



# Full wwPDB X-ray Structure Validation Report ⓘ

Oct 4, 2023 – 01:33 AM EDT

PDB ID : 6PFY  
Title : Membrane Protein Megahertz Crystallography at the European XFEL, Photosystem I at synchrotron to 2.9 Å  
Authors : Fromme, R.  
Deposited on : 2019-06-23  
Resolution : 2.90 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)  
Xtriage (Phenix) : 1.13  
EDS : 2.35.1  
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) : 2.35.1

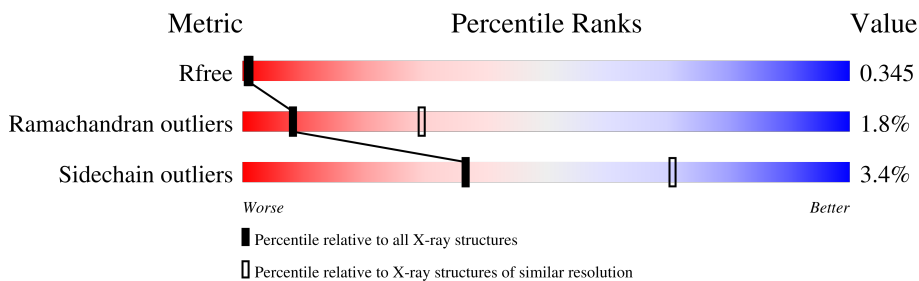
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 2.90 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	1957 (2.90-2.90)
Ramachandran outliers	138981	2115 (2.90-2.90)
Sidechain outliers	138945	2117 (2.90-2.90)

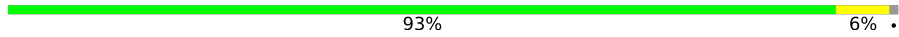
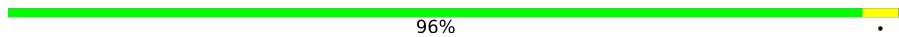
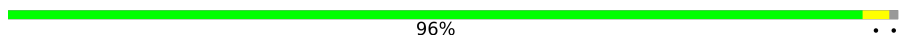







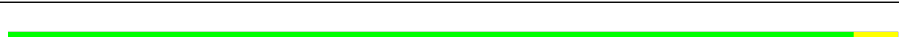


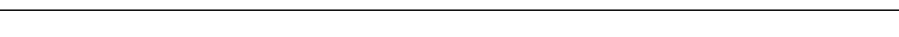
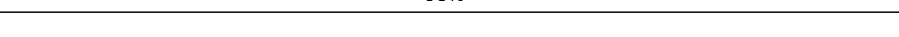
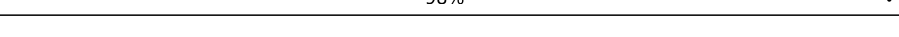
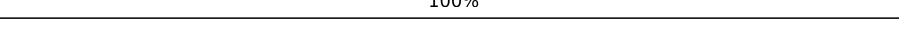
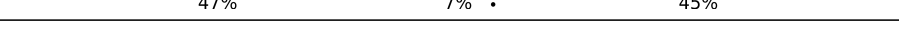

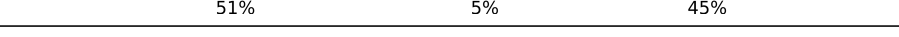
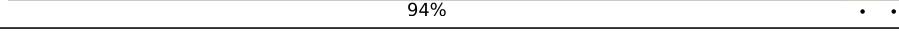
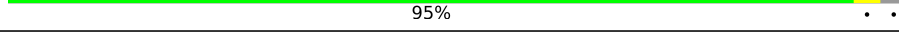
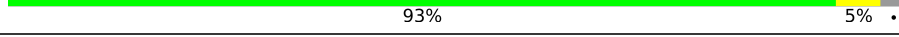
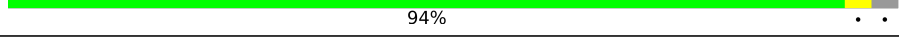
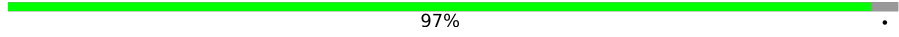
The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for  $\geq 3$ , 2, 1 and 0 types of geometric quality criteria 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  $\leq 5\%$ .

Mol	Chain	Length	Quality of chain
1	A	755	94%
1	G	755	95%
1	Y	755	93%  5%
2	B	741	95%
2	H	741	96%
2	Z	741	95%
3	C	81	96%
3	N	81	91%  7%

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Mol	Chain	Length	Quality of chain
3	a	81	 93% 6%
4	D	139	 96%
4	O	139	 96%
4	b	139	 91% 8%
5	E	76	 86% 5% 9%
5	P	76	 83% 8% 9%
5	c	76	 86% 5% 9%
6	F	164	 83% 14%
6	Q	164	 83% 14%
6	d	164	 79% 6% 14%
7	I	38	 95% 5%
7	R	38	 100%
7	e	38	 97%
8	J	41	 98%
8	S	41	 98%
8	f	41	 100%
9	K	83	 47% 7% 45%
9	T	83	 52% 45%
9	g	83	 51% 5% 45%
10	L	155	 94%
10	U	155	 95%
10	h	155	 93% 5%
11	M	31	 94%
11	V	31	 97%
11	i	31	 97%

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Mol	Chain	Length	Quality of chain	
12	W	39		67% 33%
12	X	39		64% 33%
12	j	39		64% 33%

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
13	CL0	A	801	X	-	-	-
13	CL0	G	801	X	-	-	-
13	CL0	Y	801	X	-	-	-
14	CLA	A	802	X	-	-	-
14	CLA	A	803	X	-	-	-
14	CLA	A	804	X	-	-	-
14	CLA	A	805	X	-	-	-
14	CLA	A	806	X	-	-	-
14	CLA	A	807	X	-	-	-
14	CLA	A	808	X	-	-	-
14	CLA	A	809	X	-	-	-
14	CLA	A	810	X	-	-	-
14	CLA	A	811	X	-	-	-
14	CLA	A	812	X	-	-	-
14	CLA	A	813	X	-	-	-
14	CLA	A	814	X	-	-	-
14	CLA	A	815	X	-	-	-
14	CLA	A	816	X	-	-	-
14	CLA	A	817	X	-	-	-
14	CLA	A	818	X	-	-	-
14	CLA	A	819	X	-	-	-
14	CLA	A	820	X	-	-	-
14	CLA	A	821	X	-	-	-
14	CLA	A	822	X	-	-	-
14	CLA	A	823	X	-	-	-
14	CLA	A	824	X	-	-	-
14	CLA	A	825	X	-	-	-
14	CLA	A	826	X	-	-	-
14	CLA	A	827	X	-	-	-
14	CLA	A	828	X	-	-	-
14	CLA	A	829	X	-	-	-
14	CLA	A	830	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	A	831	X	-	-	-
14	CLA	A	832	X	-	-	-
14	CLA	A	833	X	-	-	-
14	CLA	A	834	X	-	-	-
14	CLA	A	835	X	-	-	-
14	CLA	A	836	X	-	-	-
14	CLA	A	837	X	-	-	-
14	CLA	A	838	X	-	-	-
14	CLA	A	839	X	-	-	-
14	CLA	A	840	X	-	-	-
14	CLA	A	841	X	-	-	-
14	CLA	A	842	X	-	-	-
14	CLA	A	843	X	-	-	-
14	CLA	A	854	X	-	-	-
14	CLA	B	801	X	-	-	-
14	CLA	B	802	X	-	-	-
14	CLA	B	803	X	-	-	-
14	CLA	B	804	X	-	-	-
14	CLA	B	805	X	-	-	-
14	CLA	B	806	X	-	-	-
14	CLA	B	807	X	-	-	-
14	CLA	B	808	X	-	-	-
14	CLA	B	809	X	-	-	-
14	CLA	B	810	X	-	-	-
14	CLA	B	811	X	-	-	-
14	CLA	B	812	X	-	-	-
14	CLA	B	813	X	-	-	-
14	CLA	B	814	X	-	-	-
14	CLA	B	815	X	-	-	-
14	CLA	B	816	X	-	-	-
14	CLA	B	817	X	-	-	-
14	CLA	B	818	X	-	-	-
14	CLA	B	819	X	-	-	-
14	CLA	B	820	X	-	-	-
14	CLA	B	821	X	-	-	-
14	CLA	B	822	X	-	-	-
14	CLA	B	823	X	-	-	-
14	CLA	B	824	X	-	-	-
14	CLA	B	825	X	-	-	-
14	CLA	B	826	X	-	-	-
14	CLA	B	827	X	-	-	-
14	CLA	B	828	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B	829	X	-	-	-
14	CLA	B	830	X	-	-	-
14	CLA	B	831	X	-	-	-
14	CLA	B	832	X	-	-	-
14	CLA	B	833	X	-	-	-
14	CLA	B	834	X	-	-	-
14	CLA	B	835	X	-	-	-
14	CLA	B	836	X	-	-	-
14	CLA	B	837	X	-	-	-
14	CLA	B	838	X	-	-	-
14	CLA	B	839	X	-	-	-
14	CLA	B	840	X	-	-	-
14	CLA	F	202	X	-	-	-
14	CLA	G	802	X	-	-	-
14	CLA	G	803	X	-	-	-
14	CLA	G	804	X	-	-	-
14	CLA	G	805	X	-	-	-
14	CLA	G	806	X	-	-	-
14	CLA	G	807	X	-	-	-
14	CLA	G	808	X	-	-	-
14	CLA	G	809	X	-	-	-
14	CLA	G	810	X	-	-	-
14	CLA	G	811	X	-	-	-
14	CLA	G	812	X	-	-	-
14	CLA	G	813	X	-	-	-
14	CLA	G	814	X	-	-	-
14	CLA	G	815	X	-	-	-
14	CLA	G	816	X	-	-	-
14	CLA	G	817	X	-	-	-
14	CLA	G	818	X	-	-	-
14	CLA	G	819	X	-	-	-
14	CLA	G	820	X	-	-	-
14	CLA	G	821	X	-	-	-
14	CLA	G	822	X	-	-	-
14	CLA	G	823	X	-	-	-
14	CLA	G	824	X	-	-	-
14	CLA	G	825	X	-	-	-
14	CLA	G	826	X	-	-	-
14	CLA	G	827	X	-	-	-
14	CLA	G	828	X	-	-	-
14	CLA	G	829	X	-	-	-
14	CLA	G	830	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	G	831	X	-	-	-
14	CLA	G	832	X	-	-	-
14	CLA	G	833	X	-	-	-
14	CLA	G	834	X	-	-	-
14	CLA	G	835	X	-	-	-
14	CLA	G	836	X	-	-	-
14	CLA	G	837	X	-	-	-
14	CLA	G	838	X	-	-	-
14	CLA	G	839	X	-	-	-
14	CLA	G	840	X	-	-	-
14	CLA	G	841	X	-	-	-
14	CLA	G	842	X	-	-	-
14	CLA	G	852	X	-	-	-
14	CLA	G	853	X	-	-	-
14	CLA	H	801	X	-	-	-
14	CLA	H	802	X	-	-	-
14	CLA	H	803	X	-	-	-
14	CLA	H	804	X	-	-	-
14	CLA	H	805	X	-	-	-
14	CLA	H	806	X	-	-	-
14	CLA	H	807	X	-	-	-
14	CLA	H	808	X	-	-	-
14	CLA	H	809	X	-	-	-
14	CLA	H	810	X	-	-	-
14	CLA	H	811	X	-	-	-
14	CLA	H	812	X	-	-	-
14	CLA	H	813	X	-	-	-
14	CLA	H	814	X	-	-	-
14	CLA	H	815	X	-	-	-
14	CLA	H	816	X	-	-	-
14	CLA	H	817	X	-	-	-
14	CLA	H	818	X	-	-	-
14	CLA	H	819	X	-	-	-
14	CLA	H	820	X	-	-	-
14	CLA	H	821	X	-	-	-
14	CLA	H	822	X	-	-	-
14	CLA	H	823	X	-	-	-
14	CLA	H	824	X	-	-	-
14	CLA	H	825	X	-	-	-
14	CLA	H	826	X	-	-	-
14	CLA	H	827	X	-	-	-
14	CLA	H	828	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	H	829	X	-	-	-
14	CLA	H	830	X	-	-	-
14	CLA	H	831	X	-	-	-
14	CLA	H	832	X	-	-	-
14	CLA	H	833	X	-	-	-
14	CLA	H	834	X	-	-	-
14	CLA	H	835	X	-	-	-
14	CLA	H	836	X	-	-	-
14	CLA	H	837	X	-	-	-
14	CLA	H	838	X	-	-	-
14	CLA	H	839	X	-	-	-
14	CLA	H	840	X	-	-	-
14	CLA	H	851	X	-	-	-
14	CLA	J	101	X	-	-	-
14	CLA	J	102	X	-	-	-
14	CLA	K	101	X	-	-	-
14	CLA	K	102	X	-	-	-
14	CLA	L	201	X	-	-	-
14	CLA	L	202	X	-	-	-
14	CLA	L	204	X	-	-	-
14	CLA	L	205	X	-	-	-
14	CLA	L	206	X	-	-	-
14	CLA	Q	202	X	-	-	-
14	CLA	S	1101	X	-	-	-
14	CLA	S	1102	X	-	-	-
14	CLA	S	1103	X	-	-	-
14	CLA	T	101	X	-	-	-
14	CLA	T	103	X	-	-	-
14	CLA	U	1002	X	-	-	-
14	CLA	U	1003	X	-	-	-
14	CLA	U	1004	X	-	-	-
14	CLA	U	1006	X	-	-	-
14	CLA	U	1007	X	-	-	-
14	CLA	W	1701	X	-	-	-
14	CLA	X	1701	X	-	-	-
14	CLA	Y	802	X	-	-	-
14	CLA	Y	803	X	-	-	-
14	CLA	Y	804	X	-	-	-
14	CLA	Y	805	X	-	-	-
14	CLA	Y	806	X	-	-	-
14	CLA	Y	807	X	-	-	-
14	CLA	Y	808	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	Y	809	X	-	-	-
14	CLA	Y	810	X	-	-	-
14	CLA	Y	811	X	-	-	-
14	CLA	Y	812	X	-	-	-
14	CLA	Y	813	X	-	-	-
14	CLA	Y	814	X	-	-	-
14	CLA	Y	815	X	-	-	-
14	CLA	Y	816	X	-	-	-
14	CLA	Y	817	X	-	-	-
14	CLA	Y	818	X	-	-	-
14	CLA	Y	819	X	-	-	-
14	CLA	Y	820	X	-	-	-
14	CLA	Y	821	X	-	-	-
14	CLA	Y	822	X	-	-	-
14	CLA	Y	823	X	-	-	-
14	CLA	Y	824	X	-	-	-
14	CLA	Y	825	X	-	-	-
14	CLA	Y	826	X	-	-	-
14	CLA	Y	827	X	-	-	-
14	CLA	Y	828	X	-	-	-
14	CLA	Y	829	X	-	-	-
14	CLA	Y	830	X	-	-	-
14	CLA	Y	831	X	-	-	-
14	CLA	Y	832	X	-	-	-
14	CLA	Y	833	X	-	-	-
14	CLA	Y	834	X	-	-	-
14	CLA	Y	835	X	-	-	-
14	CLA	Y	836	X	-	-	-
14	CLA	Y	837	X	-	-	-
14	CLA	Y	838	X	-	-	-
14	CLA	Y	839	X	-	-	-
14	CLA	Y	840	X	-	-	-
14	CLA	Y	841	X	-	-	-
14	CLA	Z	801	X	-	-	-
14	CLA	Z	802	X	-	-	-
14	CLA	Z	803	X	-	-	-
14	CLA	Z	804	X	-	-	-
14	CLA	Z	805	X	-	-	-
14	CLA	Z	806	X	-	-	-
14	CLA	Z	807	X	-	-	-
14	CLA	Z	808	X	-	-	-
14	CLA	Z	809	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	Z	810	X	-	-	-
14	CLA	Z	811	X	-	-	-
14	CLA	Z	812	X	-	-	-
14	CLA	Z	813	X	-	-	-
14	CLA	Z	814	X	-	-	-
14	CLA	Z	815	X	-	-	-
14	CLA	Z	816	X	-	-	-
14	CLA	Z	817	X	-	-	-
14	CLA	Z	818	X	-	-	-
14	CLA	Z	819	X	-	-	-
14	CLA	Z	820	X	-	-	-
14	CLA	Z	821	X	-	-	-
14	CLA	Z	822	X	-	-	-
14	CLA	Z	823	X	-	-	-
14	CLA	Z	824	X	-	-	-
14	CLA	Z	825	X	-	-	-
14	CLA	Z	826	X	-	-	-
14	CLA	Z	827	X	-	-	-
14	CLA	Z	828	X	-	-	-
14	CLA	Z	829	X	-	-	-
14	CLA	Z	830	X	-	-	-
14	CLA	Z	831	X	-	-	-
14	CLA	Z	832	X	-	-	-
14	CLA	Z	833	X	-	-	-
14	CLA	Z	834	X	-	-	-
14	CLA	Z	835	X	-	-	-
14	CLA	Z	836	X	-	-	-
14	CLA	Z	837	X	-	-	-
14	CLA	Z	838	X	-	-	-
14	CLA	Z	839	X	-	-	-
14	CLA	Z	840	X	-	-	-
14	CLA	Z	841	X	-	-	-
14	CLA	d	201	X	-	-	-
14	CLA	d	202	X	-	-	-
14	CLA	f	101	X	-	-	-
14	CLA	f	102	X	-	-	-
14	CLA	g	101	X	-	-	-
14	CLA	g	102	X	-	-	-
14	CLA	h	201	X	-	-	-
14	CLA	h	204	X	-	-	-
14	CLA	h	205	X	-	-	-
14	CLA	h	206	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	j	102	X	-	-	-

## 2 Entry composition [i](#)

There are 21 unique types of molecules in this entry. The entry contains 72737 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	A	741	5791	3799	989	977	26	0	0	0
1	G	741	5791	3799	989	977	26	0	0	0
1	Y	741	5791	3799	989	977	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	B	739	5889	3876	987	1005	21	0	0	0
2	H	739	5889	3876	987	1005	21	0	0	0
2	Z	739	5889	3876	987	1005	21	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
3	C	80	598	367	103	117	11	0	0	0
3	N	80	598	367	103	117	11	0	0	0
3	a	80	598	367	103	117	11	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
4	D	138	1075	682	186	204	3	0	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	O	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	b	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	E	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	P	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	c	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	F	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	Q	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	d	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	I	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	R	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	e	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	J	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	S	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	f	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	K	46	Total	C	N	O	S	0	0	0
			328	214	57	56	1			
9	T	46	Total	C	N	O	S	0	0	0
			328	214	57	56	1			
9	g	46	Total	C	N	O	S	0	0	0
			328	214	57	56	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	L	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	U	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	h	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
L	143	LEU	SER	conflict	UNP Q8DGB4
U	143	LEU	SER	conflict	UNP Q8DGB4
h	143	LEU	SER	conflict	UNP Q8DGB4

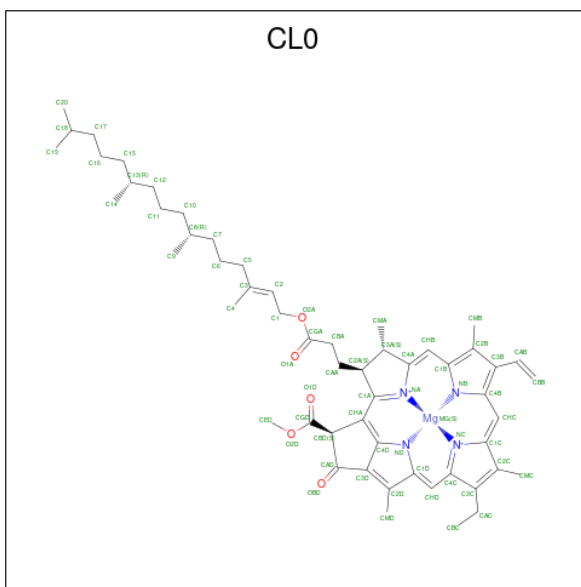
- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
11	M	30	Total	C	N	O	0	0	0
			233	156	35	42			
11	V	30	Total	C	N	O	0	0	0
			233	156	35	42			
11	i	30	Total	C	N	O	0	0	0
			233	156	35	42			

- Molecule 12 is a protein called Photosystem I 4.8K protein.

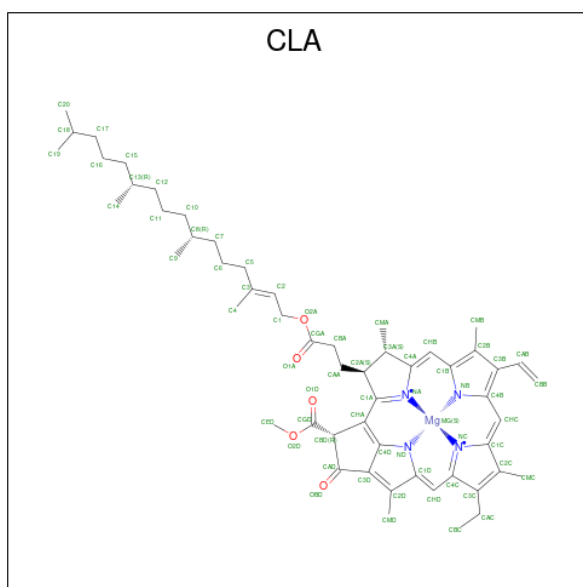
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	W	26	Total	C	N	O	0	0	0
			219	157	31	31			
12	X	26	Total	C	N	O	0	0	0
			219	157	31	31			
12	j	26	Total	C	N	O	0	0	0
			219	157	31	31			

- Molecule 13 is CHLOROPHYLL A ISOMER (three-letter code: CLO) (formula:  $C_{55}H_{72}MgN_4O_5$ ) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
13	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
13	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
13	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

- Molecule 14 is CHLOROPHYLL A (three-letter code: CLA) (formula:  $C_{55}H_{72}MgN_4O_5$ ) (labeled as "Ligand of Interest" by depositor).



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

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A	1	65	55	1	4	5	0	0
14	A	1	50	40	1	4	5	0	0
14	A	1	65	55	1	4	5	0	0
14	A	1	50	40	1	4	5	0	0
14	A	1	65	55	1	4	5	0	0
14	A	1	65	55	1	4	5	0	0
14	A	1	50	40	1	4	5	0	0
14	A	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	54	44	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	55	45	1	4	5	0	0
14	B	1	50	40	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B	1	45	35	1	4	5	0	0
14	B	1	55	45	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	60	50	1	4	5	0	0
14	B	1	60	50	1	4	5	0	0
14	B	1	45	35	1	4	5	0	0
14	B	1	45	35	1	4	5	0	0
14	B	1	55	45	1	4	5	0	0
14	B	1	60	50	1	4	5	0	0
14	B	1	55	45	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	45	35	1	4	5	0	0
14	B	1	45	35	1	4	5	0	0
14	B	1	65	55	1	4	5	0	0
14	B	1	55	45	1	4	5	0	0
14	B	1	45	35	1	4	5	0	0
14	B	1	45	35	1	4	5	0	0

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

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	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	H	1	65	55	1	4	5	0	0
14	H	1	45	35	1	4	5	0	0
14	H	1	55	45	1	4	5	0	0
14	H	1	65	55	1	4	5	0	0
14	H	1	60	50	1	4	5	0	0
14	H	1	60	50	1	4	5	0	0
14	H	1	45	35	1	4	5	0	0
14	H	1	45	35	1	4	5	0	0
14	H	1	55	45	1	4	5	0	0
14	H	1	60	50	1	4	5	0	0
14	H	1	55	45	1	4	5	0	0
14	H	1	65	55	1	4	5	0	0
14	H	1	65	55	1	4	5	0	0
14	H	1	65	55	1	4	5	0	0
14	H	1	65	55	1	4	5	0	0
14	H	1	45	35	1	4	5	0	0
14	H	1	65	55	1	4	5	0	0
14	H	1	55	45	1	4	5	0	0
14	H	1	45	35	1	4	5	0	0
14	H	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	J	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	K	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	K	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Q	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	S	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	S	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	S	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	T	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	T	1	45	35	1	4	5	0	0
14	U	1	65	55	1	4	5	0	0
14	U	1	65	55	1	4	5	0	0
14	U	1	65	55	1	4	5	0	0
14	U	1	65	55	1	4	5	0	0
14	U	1	65	55	1	4	5	0	0
14	U	1	65	55	1	4	5	0	0
14	W	1	45	35	1	4	5	0	0
14	X	1	45	35	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	59	49	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	51	41	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	45	35	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	55	45	1	4	5	0	0
14	Y	1	60	50	1	4	5	0	0
14	Y	1	55	45	1	4	5	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
			Total	C	Mg	N	O		
14	Y	1	50	40	1	4	5	0	0
14	Y	1	50	40	1	4	5	0	0
14	Y	1	60	50	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	60	50	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	50	40	1	4	5	0	0
14	Y	1	60	50	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	50	40	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	55	45	1	4	5	0	0
14	Y	1	45	35	1	4	5	0	0
14	Y	1	50	40	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	Y	1	65	55	1	4	5	0	0
14	Y	1	50	40	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	50	40	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Y	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	54	44	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	55	45	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0

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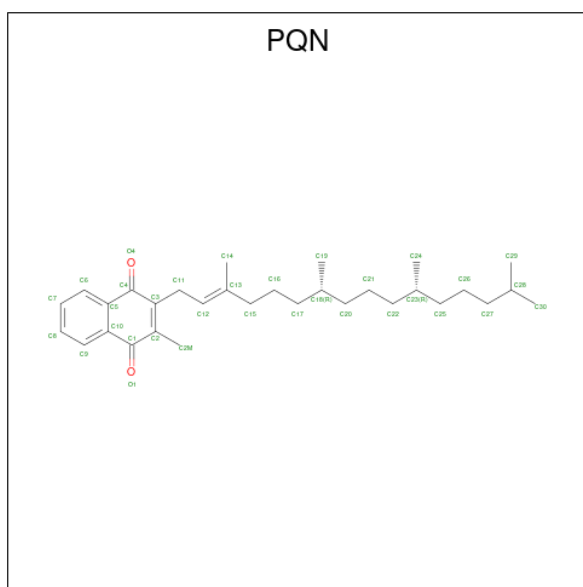
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	Z	1	45	35	1	4	5	0	0
14	Z	1	55	45	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	60	50	1	4	5	0	0
14	Z	1	60	50	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	55	45	1	4	5	0	0
14	Z	1	60	50	1	4	5	0	0
14	Z	1	55	45	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	65	55	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	55	45	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0
14	Z	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	d	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	d	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	f	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	f	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	g	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	g	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	j	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>) (labeled as "Ligand of Interest" by depositor).



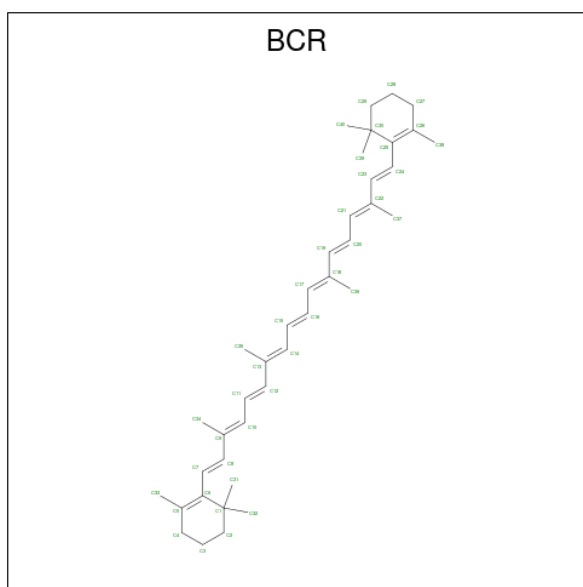
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
15	A	1	Total	C O	0	0
			33	31 2		
15	B	1	Total	C O	0	0
			33	31 2		
15	G	1	Total	C O	0	0
			33	31 2		
15	H	1	Total	C O	0	0
			33	31 2		
15	Y	1	Total	C O	0	0
			33	31 2		
15	Z	1	Total	C O	0	0
			33	31 2		

- Molecule 16 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe<sub>4</sub>S<sub>4</sub>) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
16	A	1	Total	Fe	S	0	0
			8	4	4		
16	C	1	Total	Fe	S	0	0
			8	4	4		
16	C	1	Total	Fe	S	0	0
			8	4	4		
16	G	1	Total	Fe	S	0	0
			8	4	4		
16	N	1	Total	Fe	S	0	0
			8	4	4		
16	N	1	Total	Fe	S	0	0
			8	4	4		
16	Y	1	Total	Fe	S	0	0
			8	4	4		
16	a	1	Total	Fe	S	0	0
			8	4	4		
16	a	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 17 is BETA-CAROTENE (three-letter code: BCR) (formula: C<sub>40</sub>H<sub>56</sub>) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	B	1	Total C 30 30	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 25 25	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	F	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	F	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 25 25	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	I	1	Total C 40 40	0	0
17	I	1	Total C 40 40	0	0
17	J	1	Total C 40 40	0	0
17	J	1	Total C 40 40	0	0
17	L	1	Total C 40 40	0	0
17	L	1	Total C 40 40	0	0
17	M	1	Total C 40 40	0	0
17	Q	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	Q	1	Total C 40 40	0	0
17	R	1	Total C 40 40	0	0
17	R	1	Total C 40 40	0	0
17	S	1	Total C 40 40	0	0
17	S	1	Total C 40 40	0	0
17	T	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	V	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0

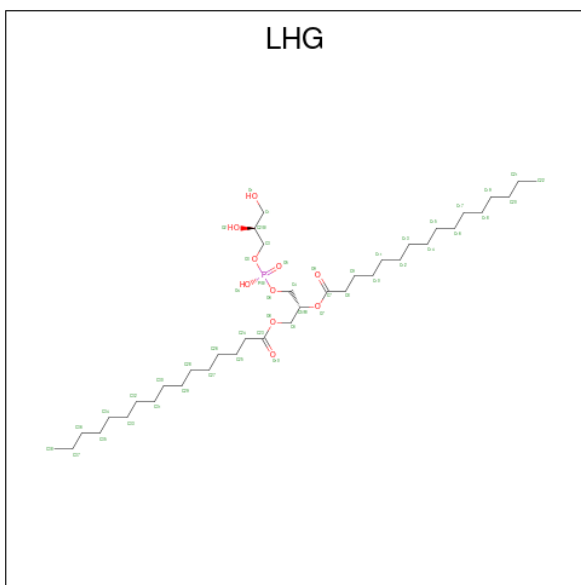
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	Z	1	Total C 25 25	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	d	1	Total C 40 40	0	0
17	e	1	Total C 40 40	0	0
17	f	1	Total C 40 40	0	0
17	h	1	Total C 40 40	0	0
17	h	1	Total C 40 40	0	0
17	i	1	Total C 40 40	0	0

- Molecule 18 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula:  $C_{38}H_{75}O_{10}P$ ) (labeled as "Ligand of Interest" by depositor).



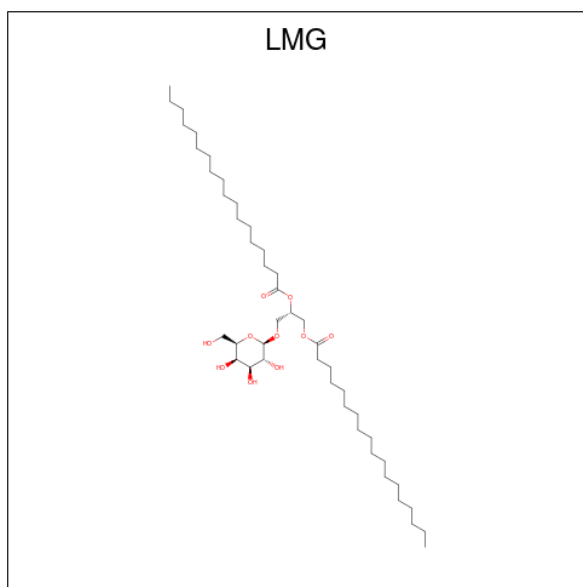
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
18	A	1	Total C O P 49 38 10 1	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
			Total	C	O	P		
18	A	1	32	21	10	1	0	0
18	B	1	39	28	10	1	0	0
18	G	1	49	38	10	1	0	0
18	G	1	32	21	10	1	0	0
18	H	1	37	26	10	1	0	0
18	Y	1	49	38	10	1	0	0
18	Y	1	25	14	10	1	0	0
18	j	1	28	17	10	1	0	0

- Molecule 19 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula: C<sub>45</sub>H<sub>86</sub>O<sub>10</sub>) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	C	O		
19	B	1	52	42	10	0	0
19	H	1	49	39	10	0	0
19	Z	1	49	39	10	0	0

- Molecule 20 is CALCIUM ION (three-letter code: CA) (formula: Ca) (labeled as "Ligand of Interest" by depositor).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
20	L	1	Total Ca 1 1	0	0
20	U	1	Total Ca 1 1	0	0
20	h	1	Total Ca 1 1	0	0

- Molecule 21 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
21	A	23	Total O 23 23	0	0
21	B	20	Total O 20 20	0	0
21	C	7	Total O 7 7	0	0
21	D	15	Total O 15 15	0	0
21	E	6	Total O 6 6	0	0
21	F	7	Total O 7 7	0	0
21	G	32	Total O 32 32	0	0
21	H	38	Total O 38 38	0	0
21	J	3	Total O 3 3	0	0
21	K	2	Total O 2 2	0	0
21	L	4	Total O 4 4	0	0
21	M	1	Total O 1 1	0	0
21	N	2	Total O 2 2	0	0
21	O	7	Total O 7 7	0	0
21	P	3	Total O 3 3	0	0

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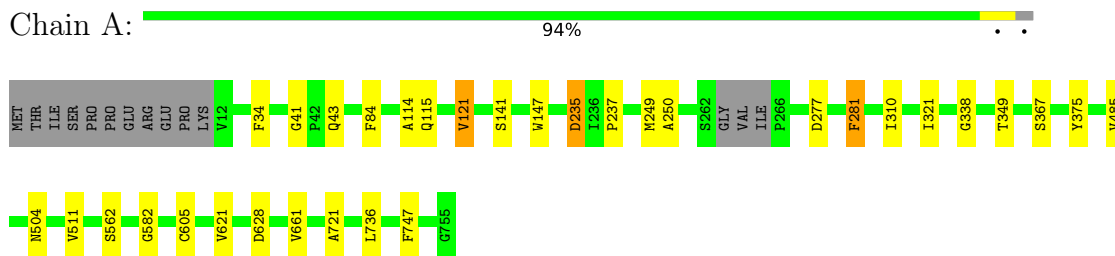
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
21	Q	7	Total O 7 7	0	0
21	S	2	Total O 2 2	0	0
21	T	1	Total O 1 1	0	0
21	U	9	Total O 9 9	0	0
21	V	2	Total O 2 2	0	0
21	W	3	Total O 3 3	0	0
21	X	2	Total O 2 2	0	0
21	Y	24	Total O 24 24	0	0
21	Z	21	Total O 21 21	0	0
21	a	4	Total O 4 4	0	0
21	b	6	Total O 6 6	0	0
21	c	4	Total O 4 4	0	0
21	d	7	Total O 7 7	0	0
21	f	5	Total O 5 5	0	0
21	g	2	Total O 2 2	0	0
21	h	4	Total O 4 4	0	0
21	i	1	Total O 1 1	0	0
21	j	2	Total O 2 2	0	0

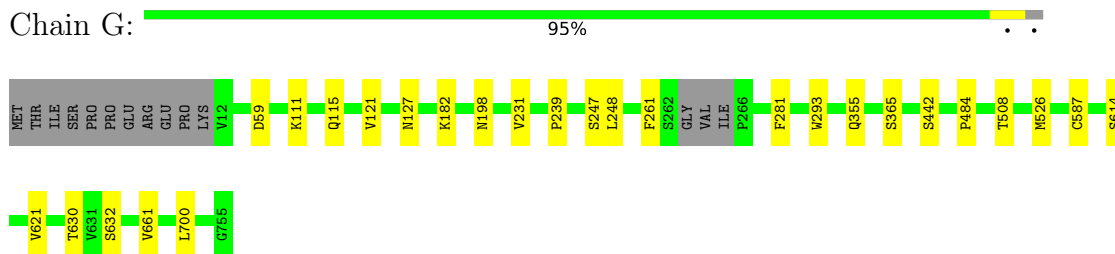
### 3 Residue-property plots [i](#)

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. 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. 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.

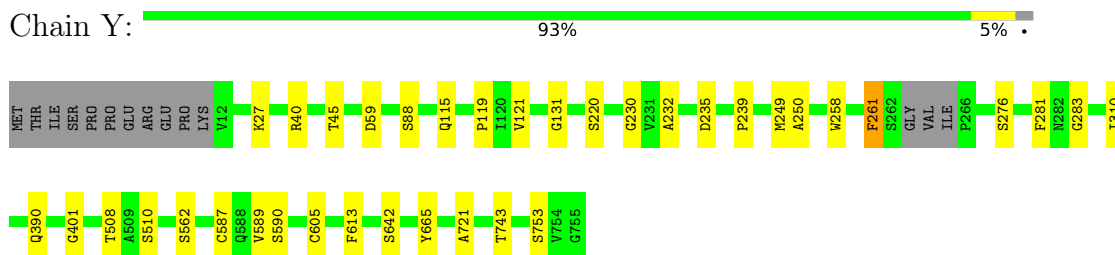
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



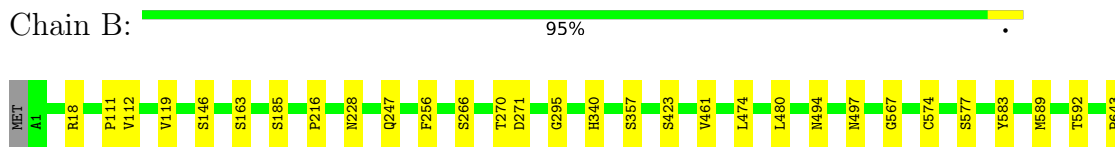
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



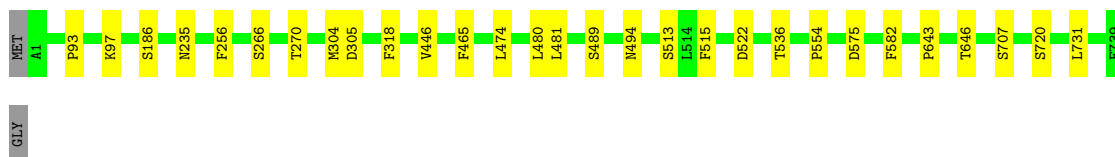
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2





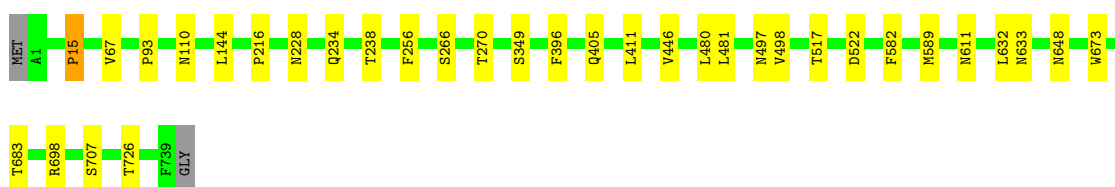
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain H: 96% .



- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain Z: 95% .



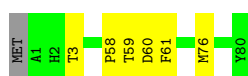
- Molecule 3: Photosystem I iron-sulfur center

Chain C: 96% ..



- Molecule 3: Photosystem I iron-sulfur center

Chain N: 91% 7% .



- Molecule 3: Photosystem I iron-sulfur center

Chain a: 93% 6% .

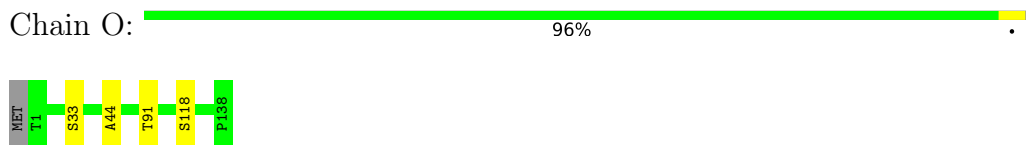


- Molecule 4: Photosystem I reaction center subunit II

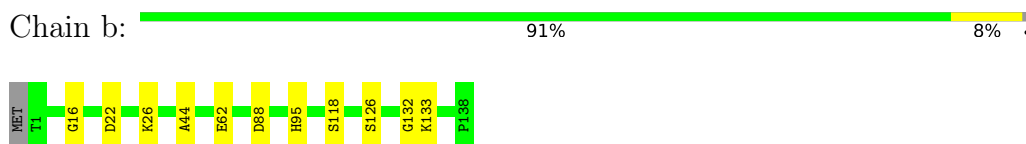
Chain D: 96% ..



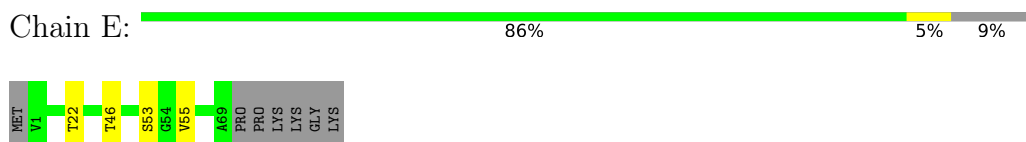
- Molecule 4: Photosystem I reaction center subunit II



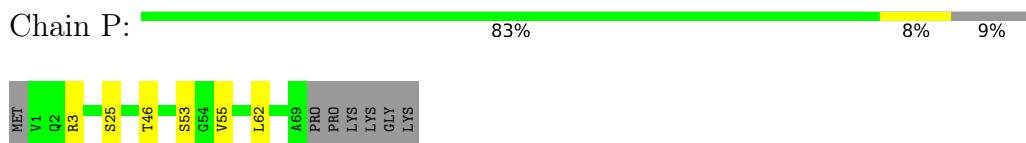
- Molecule 4: Photosystem I reaction center subunit II



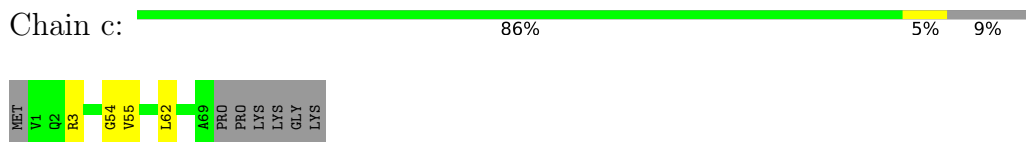
- Molecule 5: Photosystem I reaction center subunit IV



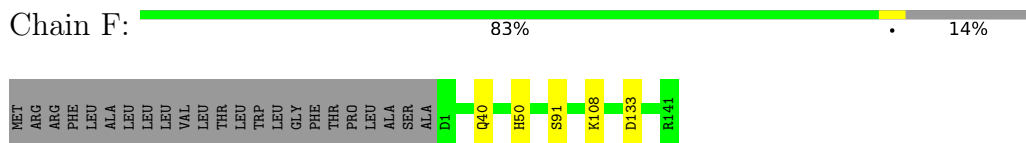
- Molecule 5: Photosystem I reaction center subunit IV



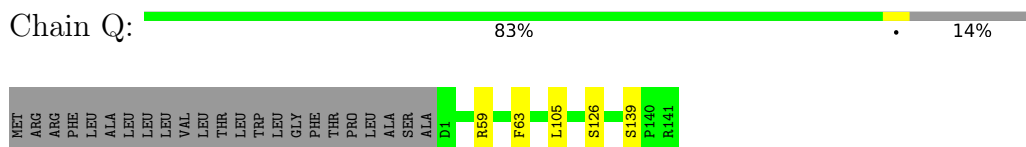
- Molecule 5: Photosystem I reaction center subunit IV




- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III

Chain d:  79% 6% • 14%



- Molecule 7: Photosystem I reaction center subunit VIII

Chain I:  95% 5%



- Molecule 7: Photosystem I reaction center subunit VIII

Chain R:  100%

There are no outlier residues recorded for this chain.

- Molecule 7: Photosystem I reaction center subunit VIII

Chain e:  97% •



- Molecule 8: Photosystem I reaction center subunit IX

Chain J:  98% •



- Molecule 8: Photosystem I reaction center subunit IX

Chain S:  98% •



- Molecule 8: Photosystem I reaction center subunit IX

Chain f:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Photosystem I reaction center subunit PsaK

Chain K:  47% 7% • 45%





- Molecule 9: Photosystem I reaction center subunit PsaK



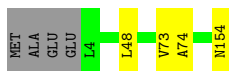
- Molecule 9: Photosystem I reaction center subunit PsaK



- 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 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII





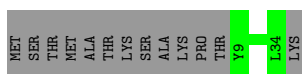
- Molecule 11: Photosystem I reaction center subunit XII

Chain i: 97%



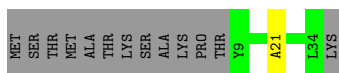
- Molecule 12: Photosystem I 4.8K protein

Chain W: 67% 33%



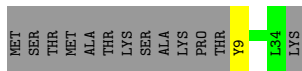
- Molecule 12: Photosystem I 4.8K protein

Chain X: 64% 33%



- Molecule 12: Photosystem I 4.8K protein

Chain j: 64% 33%



## 4 Data and refinement statistics i

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	278.50Å 165.13Å 283.43Å 90.00° 119.42° 90.00°	Depositor
Resolution (Å)	48.87 – 2.90 48.87 – 2.90	Depositor EDS
% Data completeness (in resolution range)	99.6 (48.87-2.90) 93.9 (48.87-2.90)	Depositor EDS
$R_{merge}$	0.14	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	2.48 (at 2.91Å)	Xtrriage
Refinement program	REFMAC 5.8.0238	Depositor
R, $R_{free}$	0.303 , 0.343 0.307 , 0.345	Depositor DCC
$R_{free}$ test set	24873 reflections (5.06%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	56.7	Xtrriage
Anisotropy	0.081	Xtrriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.29 , 22.8	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.31$ , $\langle L^2 \rangle = 0.14$	Xtrriage
Estimated twinning fraction	0.247 for -h-l,k,h 0.247 for l,k,-h-l 0.177 for h,-k,-h-l 0.176 for -h-l,-k,l 0.176 for l,-k,h	Xtrriage
$F_o, F_c$ correlation	0.84	EDS
Total number of atoms	72737	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	46.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.45% 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, CLA, SF4, PQN, BCR, CL0, LMG, CA

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
1	A	0.67	0/5990	0.77	0/8168
1	G	0.68	0/5990	0.76	0/8168
1	Y	0.68	0/5990	0.77	0/8168
2	B	0.66	0/6107	0.78	0/8345
2	H	0.67	0/6107	0.78	0/8345
2	Z	0.66	0/6107	0.74	0/8345
3	C	0.70	0/608	0.84	0/824
3	N	0.72	0/608	0.83	0/824
3	a	0.69	0/608	0.84	0/824
4	D	0.65	0/1101	0.79	0/1492
4	O	0.66	0/1101	0.79	0/1492
4	b	0.66	0/1101	0.82	0/1492
5	E	0.67	0/551	0.81	0/750
5	P	0.70	0/551	0.82	0/750
5	c	0.69	0/551	0.78	0/750
6	F	0.68	0/1087	0.79	0/1476
6	Q	0.69	0/1087	0.80	0/1476
6	d	0.68	0/1087	0.79	0/1476
7	I	0.66	0/312	0.75	0/425
7	R	0.69	0/312	0.77	0/425
7	e	0.66	0/312	0.74	0/425
8	J	0.64	0/350	0.69	0/477
8	S	0.65	0/350	0.70	0/477
8	f	0.67	0/350	0.73	0/477
9	K	0.70	0/331	0.81	0/444
9	T	0.75	0/331	0.84	0/444
9	g	0.73	0/331	0.81	0/444
10	L	0.71	0/1148	0.79	0/1558
10	U	0.71	0/1148	0.78	0/1558
10	h	0.70	0/1148	0.78	0/1558
11	M	0.68	0/236	0.75	0/322
11	V	0.69	0/236	0.80	0/322

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
11	i	0.71	0/236	0.76	0/322
12	W	0.69	0/227	0.71	0/310
12	X	0.66	0/227	0.72	0/310
12	j	0.63	0/227	0.63	0/310
All	All	0.67	0/54144	0.77	0/73773

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
2	Z	0	1
3	N	0	1
3	a	0	1
5	P	0	1
9	K	0	1
All	All	0	5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (5) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
9	K	56	LEU	Peptide
3	N	60	ASP	Peptide
5	P	53	SER	Peptide
2	Z	673	TRP	Peptide
3	a	60	ASP	Peptide

## 5.2 Too-close contacts

Due to software issues we are unable to calculate clashes - this section is therefore empty.

## 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	A	737/755 (98%)	644 (87%)	74 (10%)	19 (3%)	5	20
1	G	737/755 (98%)	654 (89%)	70 (10%)	13 (2%)	8	29
1	Y	737/755 (98%)	642 (87%)	77 (10%)	18 (2%)	6	22
2	B	737/741 (100%)	633 (86%)	95 (13%)	9 (1%)	13	40
2	H	737/741 (100%)	643 (87%)	87 (12%)	7 (1%)	17	48
2	Z	737/741 (100%)	649 (88%)	79 (11%)	9 (1%)	13	40
3	C	78/81 (96%)	70 (90%)	6 (8%)	2 (3%)	5	20
3	N	78/81 (96%)	67 (86%)	9 (12%)	2 (3%)	5	20
3	a	78/81 (96%)	70 (90%)	7 (9%)	1 (1%)	12	37
4	D	136/139 (98%)	119 (88%)	13 (10%)	4 (3%)	4	18
4	O	136/139 (98%)	123 (90%)	12 (9%)	1 (1%)	22	54
4	b	136/139 (98%)	123 (90%)	9 (7%)	4 (3%)	4	18
5	E	67/76 (88%)	56 (84%)	8 (12%)	3 (4%)	2	9
5	P	67/76 (88%)	56 (84%)	8 (12%)	3 (4%)	2	9
5	c	67/76 (88%)	57 (85%)	7 (10%)	3 (4%)	2	9
6	F	139/164 (85%)	115 (83%)	23 (16%)	1 (1%)	22	54
6	Q	139/164 (85%)	125 (90%)	13 (9%)	1 (1%)	22	54
6	d	139/164 (85%)	113 (81%)	19 (14%)	7 (5%)	2	7
7	I	36/38 (95%)	32 (89%)	3 (8%)	1 (3%)	5	19
7	R	36/38 (95%)	34 (94%)	2 (6%)	0	100	100
7	e	36/38 (95%)	31 (86%)	4 (11%)	1 (3%)	5	19
8	J	39/41 (95%)	36 (92%)	3 (8%)	0	100	100
8	S	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	f	39/41 (95%)	36 (92%)	3 (8%)	0	100	100
9	K	40/83 (48%)	30 (75%)	8 (20%)	2 (5%)	2	7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
9	T	40/83 (48%)	33 (82%)	5 (12%)	2 (5%)	2	7
9	g	40/83 (48%)	31 (78%)	7 (18%)	2 (5%)	2	7
10	L	149/155 (96%)	133 (89%)	16 (11%)	0	100	100
10	U	149/155 (96%)	130 (87%)	17 (11%)	2 (1%)	12	37
10	h	149/155 (96%)	133 (89%)	14 (9%)	2 (1%)	12	37
11	M	28/31 (90%)	25 (89%)	3 (11%)	0	100	100
11	V	28/31 (90%)	28 (100%)	0	0	100	100
11	i	28/31 (90%)	27 (96%)	1 (4%)	0	100	100
12	W	24/39 (62%)	23 (96%)	1 (4%)	0	100	100
12	X	24/39 (62%)	23 (96%)	0	1 (4%)	3	10
12	j	24/39 (62%)	24 (100%)	0	0	100	100
All	All	6630/7029 (94%)	5805 (88%)	705 (11%)	120 (2%)	8	29

All (120) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	121	VAL
1	A	250	ALA
3	C	61	PHE
4	D	95	HIS
5	E	55	VAL
6	F	91	SER
1	G	630	THR
2	H	480	LEU
9	K	41	PRO
3	N	61	PHE
9	T	36	SER
1	Y	121	VAL
1	Y	249	MET
1	Y	250	ALA
1	Y	590	SER
2	Z	234	GLN
2	Z	481	LEU
2	Z	497	ASN
3	a	61	PHE
6	d	54	ASP
9	g	41	PRO
10	h	74	ALA

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	A	235	ASP
1	A	249	MET
1	A	281	PHE
1	A	321	ILE
1	A	582	GLY
1	A	736	LEU
2	B	247	GLN
2	B	295	GLY
2	B	474	LEU
2	B	480	LEU
4	D	132	GLY
1	G	508	THR
2	H	474	LEU
5	P	3	ARG
6	Q	63	PHE
1	Y	115	GLN
1	Y	131	GLY
1	Y	283	GLY
2	Z	480	LEU
4	b	16	GLY
4	b	44	ALA
4	b	132	GLY
5	c	3	ARG
5	c	55	VAL
7	e	2	MET
1	A	41	GLY
1	A	43	GLN
1	A	721	ALA
1	A	747	PHE
2	B	216	PRO
2	B	494	ASN
2	B	737	ALA
5	E	46	THR
1	G	239	PRO
1	G	526	MET
7	I	37	GLU
1	Y	230	GLY
1	Y	310	ILE
2	Z	228	ASN
2	Z	498	VAL
6	d	63	PHE
6	d	93	GLU

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	A	114	ALA
2	B	567	GLY
4	D	9	LEU
1	G	115	GLN
1	G	127	ASN
1	G	261	PHE
2	H	481	LEU
2	H	515	PHE
3	N	59	THR
5	P	55	VAL
10	U	48	LEU
12	X	21	ALA
1	Y	261	PHE
1	Y	665	TYR
1	Y	721	ALA
2	Z	15	PRO
2	Z	93	PRO
6	d	114	PHE
9	g	67	HIS
1	A	115	GLN
1	A	338	GLY
5	E	53	SER
1	G	182	LYS
1	G	293	TRP
2	H	554	PRO
4	O	44	ALA
1	Y	119	PRO
1	Y	258	TRP
1	Y	613	PHE
6	d	52	VAL
6	d	97	LYS
1	G	231	VAL
5	P	46	THR
10	U	74	ALA
1	Y	232	ALA
10	h	9	ASN
1	A	237	PRO
2	H	643	PRO
9	K	56	LEU
9	T	41	PRO
1	A	621	VAL
1	G	121	VAL

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Mol	Chain	Res	Type
1	G	484	PRO
1	Y	239	PRO
4	b	95	HIS
1	A	511	VAL
3	C	42	PRO
1	Y	401	GLY
6	d	12	PRO
1	A	310	ILE
2	B	643	PRO
4	D	16	GLY
1	G	621	VAL
2	Z	216	PRO
5	c	54	GLY
2	H	93	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	A	590/603 (98%)	573 (97%)	17 (3%)	42 76
1	G	590/603 (98%)	576 (98%)	14 (2%)	49 79
1	Y	590/603 (98%)	570 (97%)	20 (3%)	37 71
2	B	597/598 (100%)	573 (96%)	24 (4%)	31 65
2	H	597/598 (100%)	575 (96%)	22 (4%)	34 68
2	Z	597/598 (100%)	572 (96%)	25 (4%)	30 63
3	C	67/68 (98%)	67 (100%)	0	100 100
3	N	67/68 (98%)	64 (96%)	3 (4%)	27 61
3	a	67/68 (98%)	64 (96%)	3 (4%)	27 61
4	D	115/116 (99%)	114 (99%)	1 (1%)	78 93
4	O	115/116 (99%)	112 (97%)	3 (3%)	46 77
4	b	115/116 (99%)	108 (94%)	7 (6%)	18 48
5	E	59/65 (91%)	58 (98%)	1 (2%)	60 86

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
5	P	59/65 (91%)	57 (97%)	2 (3%)	37	71
5	c	59/65 (91%)	58 (98%)	1 (2%)	60	86
6	F	109/128 (85%)	105 (96%)	4 (4%)	34	68
6	Q	109/128 (85%)	105 (96%)	4 (4%)	34	68
6	d	109/128 (85%)	104 (95%)	5 (5%)	27	60
7	I	32/32 (100%)	31 (97%)	1 (3%)	40	74
7	R	32/32 (100%)	32 (100%)	0	100	100
7	e	32/32 (100%)	31 (97%)	1 (3%)	40	74
8	J	36/36 (100%)	35 (97%)	1 (3%)	43	76
8	S	36/36 (100%)	35 (97%)	1 (3%)	43	76
8	f	36/36 (100%)	36 (100%)	0	100	100
9	K	33/61 (54%)	27 (82%)	6 (18%)	1	5
9	T	33/61 (54%)	32 (97%)	1 (3%)	41	75
9	g	33/61 (54%)	31 (94%)	2 (6%)	18	48
10	L	117/120 (98%)	111 (95%)	6 (5%)	24	56
10	U	117/120 (98%)	115 (98%)	2 (2%)	60	86
10	h	117/120 (98%)	112 (96%)	5 (4%)	29	62
11	M	25/26 (96%)	24 (96%)	1 (4%)	31	65
11	V	25/26 (96%)	25 (100%)	0	100	100
11	i	25/26 (96%)	25 (100%)	0	100	100
12	W	20/31 (64%)	20 (100%)	0	100	100
12	X	20/31 (64%)	20 (100%)	0	100	100
12	j	20/31 (64%)	19 (95%)	1 (5%)	24	57
All	All	5400/5652 (96%)	5216 (97%)	184 (3%)	37	71

All (184) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	34	PHE
1	A	84	PHE
1	A	121	VAL
1	A	141	SER
1	A	147	TRP
1	A	235	ASP

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	A	277	ASP
1	A	281	PHE
1	A	349	THR
1	A	367	SER
1	A	375	TYR
1	A	485	VAL
1	A	504	ASN
1	A	562	SER
1	A	605	CYS
1	A	628	ASP
1	A	661	VAL
2	B	18	ARG
2	B	111	PRO
2	B	112	VAL
2	B	119	VAL
2	B	146	SER
2	B	163	SER
2	B	185	SER
2	B	228	ASN
2	B	256	PHE
2	B	266	SER
2	B	270	THR
2	B	271	ASP
2	B	340	HIS
2	B	357	SER
2	B	423	SER
2	B	461	VAL
2	B	497	ASN
2	B	574	CYS
2	B	577	SER
2	B	583	TYR
2	B	589	MET
2	B	592	THR
2	B	646	THR
2	B	698	ARG
4	D	124	ASN
5	E	22	THR
6	F	40	GLN
6	F	50	HIS
6	F	108	LYS
6	F	133	ASP
1	G	59	ASP

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	G	111	LYS
1	G	198	ASN
1	G	247	SER
1	G	248	LEU
1	G	281	PHE
1	G	355	GLN
1	G	365	SER
1	G	442	SER
1	G	587	CYS
1	G	614	SER
1	G	632	SER
1	G	661	VAL
1	G	700	LEU
2	H	97	LYS
2	H	186	SER
2	H	235	ASN
2	H	256	PHE
2	H	266	SER
2	H	270	THR
2	H	304	MET
2	H	305	ASP
2	H	318	PHE
2	H	446	VAL
2	H	465	PHE
2	H	489	SER
2	H	494	ASN
2	H	513	SER
2	H	522	ASP
2	H	536	THR
2	H	575	ASP
2	H	582	PHE
2	H	646	THR
2	H	707	SER
2	H	720	SER
2	H	731	LEU
7	I	24	THR
8	J	19	MET
9	K	21	LEU
9	K	31	ARG
9	K	35	GLN
9	K	37	ARG
9	K	56	LEU

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
9	K	68	LEU
10	L	4	LEU
10	L	14	VAL
10	L	41	LEU
10	L	76	LEU
10	L	143	LEU
10	L	149	MET
11	M	5	ASP
3	N	3	THR
3	N	58	PRO
3	N	76	MET
4	O	33	SER
4	O	91	THR
4	O	118	SER
5	P	25	SER
5	P	62	LEU
6	Q	59	ARG
6	Q	105	LEU
6	Q	126	SER
6	Q	139	SER
8	S	14	LEU
9	T	56	LEU
10	U	73	VAL
10	U	154	ASN
1	Y	27	LYS
1	Y	40	ARG
1	Y	45	THR
1	Y	59	ASP
1	Y	88	SER
1	Y	220	SER
1	Y	235	ASP
1	Y	261	PHE
1	Y	276	SER
1	Y	281	PHE
1	Y	390	GLN
1	Y	508	THR
1	Y	510	SER
1	Y	562	SER
1	Y	587	CYS
1	Y	589	VAL
1	Y	605	CYS
1	Y	642	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	Y	743	THR
1	Y	753	SER
2	Z	15	PRO
2	Z	67	VAL
2	Z	110	ASN
2	Z	144	LEU
2	Z	238	THR
2	Z	256	PHE
2	Z	266	SER
2	Z	270	THR
2	Z	349	SER
2	Z	396	PHE
2	Z	405	GLN
2	Z	411	LEU
2	Z	446	VAL
2	Z	517	THR
2	Z	522	ASP
2	Z	582	PHE
2	Z	589	MET
2	Z	611	ASN
2	Z	632	LEU
2	Z	633	ASN
2	Z	648	ASN
2	Z	683	THR
2	Z	698	ARG
2	Z	707	SER
2	Z	726	THR
3	a	15	GLN
3	a	34	LYS
3	a	55	THR
4	b	22	ASP
4	b	26	LYS
4	b	62	GLU
4	b	88	ASP
4	b	118	SER
4	b	126	SER
4	b	133	LYS
5	c	62	LEU
6	d	89	ARG
6	d	105	LEU
6	d	114	PHE
6	d	122	LYS

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Mol	Chain	Res	Type
6	d	140	PRO
7	e	2	MET
9	g	39	LYS
9	g	58	GLU
10	h	19	THR
10	h	72	ASP
10	h	85	LEU
10	h	113	THR
10	h	118	SER
12	j	9	TYR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (120) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	192	ASN
1	A	200	HIS
1	A	216	GLN
1	A	240	HIS
1	A	301	HIS
1	A	323	HIS
1	A	427	ASN
1	A	488	GLN
1	A	491	GLN
1	A	504	ASN
1	A	542	HIS
1	A	718	GLN
2	B	13	GLN
2	B	82	ASN
2	B	136	GLN
2	B	157	GLN
2	B	228	ASN
2	B	234	GLN
2	B	241	HIS
2	B	377	HIS
2	B	494	ASN
2	B	497	ASN
2	B	633	ASN
2	B	636	GLN
2	B	639	ASN
2	B	647	ASN
2	B	710	GLN
4	D	78	ASN

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
4	D	121	GLN
6	F	50	HIS
1	G	56	HIS
1	G	61	HIS
1	G	138	GLN
1	G	191	GLN
1	G	192	ASN
1	G	198	ASN
1	G	301	HIS
1	G	332	HIS
1	G	355	GLN
1	G	359	ASN
1	G	372	GLN
1	G	445	ASN
1	G	491	GLN
1	G	547	HIS
1	G	588	GLN
1	G	718	GLN
2	H	33	HIS
2	H	40	ASN
2	H	78	GLN
2	H	105	GLN
2	H	110	ASN
2	H	192	HIS
2	H	235	ASN
2	H	241	HIS
2	H	298	HIS
2	H	319	ASN
2	H	455	GLN
2	H	494	ASN
2	H	497	ASN
2	H	527	HIS
2	H	604	HIS
2	H	633	ASN
2	H	639	ASN
2	H	647	ASN
2	H	648	ASN
2	H	678	GLN
2	H	695	ASN
10	L	9	ASN
10	L	16	HIS
10	L	75	ASN

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
3	N	2	HIS
4	O	54	ASN
4	O	71	GLN
4	O	122	ASN
6	Q	23	ASN
10	U	16	HIS
10	U	141	ASN
1	Y	33	HIS
1	Y	115	GLN
1	Y	123	GLN
1	Y	127	ASN
1	Y	191	GLN
1	Y	192	ASN
1	Y	198	ASN
1	Y	240	HIS
1	Y	301	HIS
1	Y	359	ASN
1	Y	390	GLN
1	Y	445	ASN
1	Y	461	HIS
1	Y	504	ASN
1	Y	641	GLN
1	Y	708	HIS
2	Z	82	ASN
2	Z	105	GLN
2	Z	131	ASN
2	Z	136	GLN
2	Z	192	HIS
2	Z	241	HIS
2	Z	293	GLN
2	Z	298	HIS
2	Z	378	HIS
2	Z	455	GLN
2	Z	494	ASN
2	Z	526	HIS
2	Z	611	ASN
2	Z	636	GLN
2	Z	639	ASN
2	Z	647	ASN
2	Z	648	ASN
2	Z	688	HIS
2	Z	710	GLN

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Mol	Chain	Res	Type
4	b	54	ASN
4	b	95	HIS
4	b	106	ASN
4	b	121	GLN
5	c	59	ASN
10	h	75	ASN
10	h	154	ASN
11	i	7	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 381 ligands modelled in this entry, 3 are monoatomic - leaving 378 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
14	CLA	H	836	-	60,68,73	2.29	18 (30%)	70,107,113	2.54	24 (34%)
14	CLA	H	838	-	45,53,73	2.58	20 (44%)	52,89,113	3.11	23 (44%)
17	BCR	Y	848	-	41,41,41	2.56	6 (14%)	56,56,56	7.16	26 (46%)
14	CLA	Z	823	-	55,63,73	2.51	20 (36%)	64,101,113	2.54	21 (32%)
14	CLA	Z	811	2	65,73,73	2.17	19 (29%)	76,113,113	2.78	32 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	Z	813	-	45,53,73	2.64	20 (44%)	52,89,113	2.85	20 (38%)
14	CLA	G	807	-	51,59,73	2.57	19 (37%)	59,96,113	2.77	24 (40%)
14	CLA	G	810	-	45,53,73	2.70	21 (46%)	52,89,113	2.82	19 (36%)
14	CLA	A	809	1	65,73,73	2.22	21 (32%)	76,113,113	2.44	23 (30%)
14	CLA	A	837	-	65,73,73	2.20	17 (26%)	76,113,113	2.50	21 (27%)
17	BCR	R	102	-	41,41,41	2.89	6 (14%)	56,56,56	7.11	25 (44%)
17	BCR	U	1009	-	41,41,41	2.46	7 (17%)	56,56,56	7.38	31 (55%)
14	CLA	G	804	14	59,67,73	2.34	19 (32%)	68,105,113	2.83	21 (30%)
14	CLA	H	831	-	65,73,73	2.14	19 (29%)	76,113,113	2.86	27 (35%)
14	CLA	Z	828	-	65,73,73	2.30	21 (32%)	76,113,113	2.45	24 (31%)
14	CLA	Y	814	-	55,63,73	2.50	21 (38%)	64,101,113	2.68	23 (35%)
17	BCR	J	104	-	41,41,41	2.91	8 (19%)	56,56,56	7.06	27 (48%)
14	CLA	H	810	2	65,73,73	2.24	19 (29%)	76,113,113	2.83	31 (40%)
14	CLA	Z	819	-	60,68,73	2.32	19 (31%)	70,107,113	2.69	23 (32%)
14	CLA	Z	821	-	45,53,73	2.61	18 (40%)	52,89,113	2.87	23 (44%)
14	CLA	A	810	-	65,73,73	2.23	19 (29%)	76,113,113	2.43	23 (30%)
14	CLA	Z	825	2	55,63,73	2.53	20 (36%)	64,101,113	2.74	22 (34%)
17	BCR	B	843	-	41,41,41	2.72	6 (14%)	56,56,56	7.31	24 (42%)
17	BCR	G	846	-	41,41,41	2.90	6 (14%)	56,56,56	6.89	27 (48%)
14	CLA	H	813	-	65,73,73	2.34	20 (30%)	76,113,113	2.57	25 (32%)
14	CLA	Y	808	1	65,73,73	2.22	21 (32%)	76,113,113	2.65	27 (35%)
14	CLA	A	842	-	65,73,73	2.23	19 (29%)	76,113,113	2.57	25 (32%)
14	CLA	A	811	-	45,53,73	2.60	19 (42%)	52,89,113	2.95	23 (44%)
14	CLA	Y	827	-	65,73,73	2.30	20 (30%)	76,113,113	2.46	26 (34%)
14	CLA	Z	809	-	65,73,73	2.19	19 (29%)	76,113,113	2.72	30 (39%)
17	BCR	U	1005	-	41,41,41	2.86	6 (14%)	56,56,56	7.12	26 (46%)
14	CLA	H	806	-	65,73,73	2.27	20 (30%)	76,113,113	2.39	24 (31%)
14	CLA	G	828	-	65,73,73	2.23	20 (30%)	76,113,113	2.51	25 (32%)
14	CLA	H	828	-	65,73,73	2.20	22 (33%)	76,113,113	2.52	26 (34%)
16	SF4	G	844	1,2	0,12,12	-	-	-	-	-
14	CLA	B	808	2	65,73,73	2.16	19 (29%)	76,113,113	2.75	31 (40%)
14	CLA	U	1006	-	65,73,73	2.30	20 (30%)	76,113,113	2.49	24 (31%)
14	CLA	Z	830	-	65,73,73	2.14	16 (24%)	76,113,113	2.67	22 (28%)
17	BCR	Y	849	-	41,41,41	3.03	6 (14%)	56,56,56	7.35	29 (51%)
17	BCR	L	207	-	41,41,41	2.80	7 (17%)	56,56,56	7.07	21 (37%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	G	808	1	65,73,73	2.24	19 (29%)	76,113,113	2.58	22 (28%)
14	CLA	H	824	2	55,63,73	2.57	20 (36%)	64,101,113	2.86	25 (39%)
14	CLA	T	103	-	45,53,73	2.62	19 (42%)	52,89,113	2.81	18 (34%)
14	CLA	B	832	-	55,63,73	2.42	20 (36%)	64,101,113	2.81	23 (35%)
14	CLA	H	803	-	65,73,73	2.24	20 (30%)	76,113,113	2.44	27 (35%)
16	SF4	N	102	3	0,12,12	-	-	-	-	-
14	CLA	d	202	-	45,53,73	2.63	17 (37%)	52,89,113	2.79	19 (36%)
14	CLA	H	827	-	65,73,73	2.17	18 (27%)	76,113,113	2.44	22 (28%)
14	CLA	Y	815	-	50,58,73	2.61	20 (40%)	58,95,113	3.00	22 (37%)
14	CLA	A	828	-	65,73,73	2.19	20 (30%)	76,113,113	2.36	26 (34%)
14	CLA	G	809	-	65,73,73	2.26	20 (30%)	76,113,113	2.56	26 (34%)
17	BCR	T	102	-	41,41,41	2.57	6 (14%)	56,56,56	7.29	26 (46%)
16	SF4	a	102	3	0,12,12	-	-	-	-	-
14	CLA	B	818	-	60,68,73	2.30	20 (33%)	70,107,113	2.61	23 (32%)
17	BCR	V	101	-	41,41,41	2.72	6 (14%)	56,56,56	7.26	30 (53%)
14	CLA	H	829	-	65,73,73	2.26	20 (30%)	76,113,113	2.67	26 (34%)
14	CLA	G	833	-	65,73,73	2.27	19 (29%)	76,113,113	2.61	24 (31%)
14	CLA	A	817	-	50,58,73	2.62	20 (40%)	58,95,113	2.97	23 (39%)
14	CLA	Y	841	-	65,73,73	2.14	17 (26%)	76,113,113	2.58	19 (25%)
17	BCR	I	101	-	41,41,41	2.85	7 (17%)	56,56,56	7.49	22 (39%)
14	CLA	J	102	-	55,63,73	2.51	21 (38%)	64,101,113	2.81	27 (42%)
14	CLA	Y	809	-	65,73,73	2.24	20 (30%)	76,113,113	2.42	24 (31%)
18	LHG	G	850	-	48,48,48	0.95	2 (4%)	51,54,54	1.16	5 (9%)
17	BCR	f	103	-	41,41,41	2.63	6 (14%)	56,56,56	7.10	24 (42%)
17	BCR	L	208	-	41,41,41	2.65	7 (17%)	56,56,56	7.07	31 (55%)
14	CLA	B	811	-	50,58,73	2.60	20 (40%)	58,95,113	2.82	23 (39%)
14	CLA	f	102	-	55,63,73	2.49	19 (34%)	64,101,113	2.79	25 (39%)
17	BCR	H	843	-	41,41,41	3.08	6 (14%)	56,56,56	6.96	29 (51%)
14	CLA	Y	837	-	50,58,73	2.65	21 (42%)	58,95,113	2.84	26 (44%)
14	CLA	G	836	-	50,58,73	2.69	20 (40%)	58,95,113	2.83	25 (43%)
14	CLA	G	838	-	50,58,73	2.64	19 (38%)	58,95,113	2.87	22 (37%)
14	CLA	Z	826	-	65,73,73	2.22	19 (29%)	76,113,113	2.79	27 (35%)
14	CLA	L	201	-	65,73,73	2.21	18 (27%)	76,113,113	2.59	25 (32%)
14	CLA	B	840	-	65,73,73	2.16	15 (23%)	76,113,113	2.67	32 (42%)
17	BCR	h	202	-	41,41,41	2.52	7 (17%)	56,56,56	7.11	29 (51%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	G	832	-	65,73,73	2.17	17 (26%)	76,113,113	2.57	22 (28%)
14	CLA	Z	829	-	65,73,73	2.30	21 (32%)	76,113,113	2.56	26 (34%)
17	BCR	B	842	-	30,30,41	3.31	6 (20%)	39,39,56	8.17	20 (51%)
14	CLA	G	819	-	65,73,73	2.26	19 (29%)	76,113,113	2.63	24 (31%)
14	CLA	A	830	-	65,73,73	2.31	22 (33%)	76,113,113	2.30	25 (32%)
14	CLA	G	824	-	60,68,73	2.43	20 (33%)	70,107,113	2.60	22 (31%)
14	CLA	A	804	-	65,73,73	2.38	21 (32%)	76,113,113	2.49	23 (30%)
14	CLA	H	822	-	55,63,73	2.39	20 (36%)	64,101,113	2.89	23 (35%)
14	CLA	G	825	-	65,73,73	2.26	20 (30%)	76,113,113	2.42	27 (35%)
14	CLA	A	803	-	65,73,73	2.18	18 (27%)	76,113,113	2.39	28 (36%)
17	BCR	Y	845	-	41,41,41	2.73	6 (14%)	56,56,56	7.17	28 (50%)
14	CLA	H	807	-	65,73,73	2.15	20 (30%)	76,113,113	2.71	23 (30%)
14	CLA	A	833	-	65,73,73	2.13	19 (29%)	76,113,113	2.51	23 (30%)
14	CLA	j	102	-	45,53,73	2.64	19 (42%)	52,89,113	2.91	19 (36%)
14	CLA	G	803	-	65,73,73	2.19	18 (27%)	76,113,113	2.54	27 (35%)
17	BCR	B	846	-	41,41,41	2.83	7 (17%)	56,56,56	7.13	28 (50%)
17	BCR	Z	844	-	41,41,41	2.66	6 (14%)	56,56,56	7.02	30 (53%)
14	CLA	Y	822	-	65,73,73	2.26	19 (29%)	76,113,113	2.62	22 (28%)
16	SF4	C	101	3	0,12,12	-	-	-	-	-
17	BCR	H	845	-	25,25,41	2.19	2 (8%)	33,33,56	8.00	18 (54%)
14	CLA	A	835	1	45,53,73	2.62	18 (40%)	52,89,113	2.85	21 (40%)
14	CLA	B	826	-	65,73,73	2.19	19 (29%)	76,113,113	2.33	22 (28%)
14	CLA	Z	812	-	55,63,73	2.46	21 (38%)	64,101,113	2.64	23 (35%)
14	CLA	A	821	-	60,68,73	2.39	20 (33%)	70,107,113	2.67	25 (35%)
17	BCR	Z	848	-	41,41,41	2.82	7 (17%)	56,56,56	7.30	22 (39%)
14	CLA	d	201	-	65,73,73	2.16	19 (29%)	76,113,113	2.47	25 (32%)
14	CLA	B	812	-	65,73,73	2.28	19 (29%)	76,113,113	2.69	27 (35%)
14	CLA	A	808	-	51,59,73	2.53	20 (39%)	59,96,113	3.09	22 (37%)
14	CLA	G	811	14	65,73,73	2.29	19 (29%)	76,113,113	2.53	24 (31%)
14	CLA	A	805	14	59,67,73	2.37	21 (35%)	68,105,113	2.70	22 (32%)
14	CLA	Z	801	-	65,73,73	2.16	19 (29%)	76,113,113	2.66	23 (30%)
14	CLA	A	813	-	54,62,73	2.51	20 (37%)	62,99,113	2.62	20 (32%)
14	CLA	G	841	-	65,73,73	2.28	19 (29%)	76,113,113	2.43	24 (31%)
15	PQN	Z	842	-	34,34,34	1.82	2 (5%)	42,45,45	1.28	4 (9%)
14	CLA	Y	824	-	60,68,73	2.39	20 (33%)	70,107,113	2.72	25 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	G	814	-	50,58,73	2.53	20 (40%)	58,95,113	3.12	30 (51%)
14	CLA	Z	837	-	60,68,73	2.31	20 (33%)	70,107,113	2.72	27 (38%)
17	BCR	Z	843	-	41,41,41	2.90	7 (17%)	56,56,56	6.88	26 (46%)
14	CLA	G	834	-	55,63,73	2.46	20 (36%)	64,101,113	2.54	27 (42%)
14	CLA	G	853	-	45,53,73	2.56	18 (40%)	52,89,113	2.71	22 (42%)
14	CLA	Z	833	-	55,63,73	2.46	18 (32%)	64,101,113	2.62	22 (34%)
14	CLA	G	830	-	65,73,73	2.21	18 (27%)	76,113,113	2.57	24 (31%)
14	CLA	A	802	-	65,73,73	2.21	18 (27%)	76,113,113	2.45	21 (27%)
14	CLA	Z	841	-	65,73,73	2.26	19 (29%)	76,113,113	2.66	26 (34%)
14	CLA	A	840	-	50,58,73	2.61	21 (42%)	58,95,113	2.94	23 (39%)
13	CL0	Y	801	-	65,73,73	2.37	19 (29%)	76,113,113	2.58	22 (28%)
19	LMG	H	848	-	49,49,55	1.37	6 (12%)	57,57,63	1.10	4 (7%)
14	CLA	B	831	-	65,73,73	2.20	19 (29%)	76,113,113	2.69	25 (32%)
14	CLA	H	832	-	55,63,73	2.50	18 (32%)	64,101,113	2.56	22 (34%)
14	CLA	Y	806	-	65,73,73	2.29	18 (27%)	76,113,113	2.56	24 (31%)
14	CLA	A	823	-	65,73,73	2.22	22 (33%)	76,113,113	2.79	25 (32%)
14	CLA	Y	820	-	60,68,73	2.34	19 (31%)	70,107,113	2.72	24 (34%)
17	BCR	H	842	-	41,41,41	2.94	7 (17%)	56,56,56	6.96	22 (39%)
17	BCR	Y	846	-	41,41,41	2.60	6 (14%)	56,56,56	7.42	28 (50%)
16	SF4	N	101	3	0,12,12	-	-	-	-	-
14	CLA	B	820	-	45,53,73	2.70	20 (44%)	52,89,113	2.74	21 (40%)
14	CLA	H	801	-	65,73,73	2.24	20 (30%)	76,113,113	2.57	26 (34%)
14	CLA	A	820	-	65,73,73	2.33	21 (32%)	76,113,113	2.56	24 (31%)
14	CLA	H	833	-	45,53,73	2.52	20 (44%)	52,89,113	2.96	20 (38%)
14	CLA	h	206	-	65,73,73	2.21	20 (30%)	76,113,113	2.71	24 (31%)
17	BCR	G	849	-	41,41,41	2.77	7 (17%)	56,56,56	7.34	30 (53%)
14	CLA	B	823	2	55,63,73	2.51	18 (32%)	64,101,113	2.61	22 (34%)
14	CLA	U	1007	-	65,73,73	2.25	19 (29%)	76,113,113	2.46	28 (36%)
14	CLA	H	809	2	65,73,73	2.15	20 (30%)	76,113,113	2.66	29 (38%)
14	CLA	Z	815	-	65,73,73	2.30	21 (32%)	76,113,113	2.42	20 (26%)
17	BCR	H	844	-	41,41,41	2.96	8 (19%)	56,56,56	7.04	25 (44%)
14	CLA	Y	803	-	65,73,73	2.27	20 (30%)	76,113,113	2.77	24 (31%)
14	CLA	K	101	-	42,49,73	2.50	17 (40%)	48,83,113	3.02	20 (41%)
17	BCR	A	851	-	41,41,41	2.81	7 (17%)	56,56,56	7.25	28 (50%)
18	LHG	A	852	-	48,48,48	0.98	2 (4%)	51,54,54	1.23	5 (9%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
18	LHG	j	101	-	27,27,48	1.28	2 (7%)	30,33,54	1.19	2 (6%)
14	CLA	U	1002	10	65,73,73	2.24	19 (29%)	76,113,113	2.64	23 (30%)
16	SF4	Y	843	1,2	0,12,12	-	-	-	-	-
14	CLA	Y	819	-	65,73,73	2.30	19 (29%)	76,113,113	2.74	24 (31%)
14	CLA	Y	818	-	65,73,73	2.27	18 (27%)	76,113,113	2.67	26 (34%)
14	CLA	Z	834	-	45,53,73	2.62	18 (40%)	52,89,113	3.06	24 (46%)
17	BCR	H	846	-	41,41,41	2.58	6 (14%)	56,56,56	7.13	27 (48%)
17	BCR	Y	853	-	41,41,41	2.88	6 (14%)	56,56,56	6.91	29 (51%)
17	BCR	B	850	-	41,41,41	2.78	6 (14%)	56,56,56	7.08	28 (50%)
14	CLA	Z	814	-	65,73,73	2.25	19 (29%)	76,113,113	2.47	24 (31%)
17	BCR	d	203	-	41,41,41	2.70	6 (14%)	56,56,56	6.90	29 (51%)
14	CLA	Z	840	-	65,73,73	2.24	19 (29%)	76,113,113	2.48	25 (32%)
14	CLA	B	816	-	65,73,73	2.24	20 (30%)	76,113,113	2.45	23 (30%)
18	LHG	G	851	14	31,31,48	1.27	2 (6%)	34,37,54	1.19	2 (5%)
14	CLA	B	803	-	54,62,73	2.47	21 (38%)	62,99,113	3.27	23 (37%)
14	CLA	A	818	-	60,68,73	2.34	20 (33%)	70,107,113	2.73	25 (35%)
14	CLA	Z	804	-	65,73,73	2.30	19 (29%)	76,113,113	2.27	25 (32%)
14	CLA	K	102	-	45,53,73	2.60	18 (40%)	52,89,113	2.92	20 (38%)
17	BCR	F	201	-	41,41,41	2.78	6 (14%)	56,56,56	7.11	24 (42%)
14	CLA	B	836	-	60,68,73	2.32	20 (33%)	70,107,113	2.69	27 (38%)
14	CLA	H	819	-	60,68,73	2.36	21 (35%)	70,107,113	2.48	26 (37%)
14	CLA	H	811	-	55,63,73	2.41	21 (38%)	64,101,113	2.71	30 (46%)
14	CLA	Y	840	-	65,73,73	2.22	19 (29%)	76,113,113	2.44	20 (26%)
17	BCR	A	847	-	41,41,41	2.51	7 (17%)	56,56,56	7.10	25 (44%)
14	CLA	B	819	-	45,53,73	2.62	19 (42%)	52,89,113	2.93	24 (46%)
18	LHG	H	849	-	36,36,48	1.12	2 (5%)	39,42,54	0.90	2 (5%)
14	CLA	U	1004	-	65,73,73	2.21	20 (30%)	76,113,113	2.60	22 (28%)
14	CLA	B	806	-	65,73,73	2.20	21 (32%)	76,113,113	2.67	25 (32%)
14	CLA	Z	827	-	65,73,73	2.20	19 (29%)	76,113,113	2.58	24 (31%)
14	CLA	Y	832	-	65,73,73	2.22	20 (30%)	76,113,113	2.48	26 (34%)
14	CLA	W	1701	-	45,53,73	2.65	18 (40%)	52,89,113	3.04	19 (36%)
14	CLA	G	839	-	50,58,73	2.70	20 (40%)	58,95,113	2.92	27 (46%)
14	CLA	B	838	-	45,53,73	2.72	18 (40%)	52,89,113	2.58	19 (36%)
14	CLA	A	834	-	55,63,73	2.35	19 (34%)	64,101,113	2.80	23 (35%)
14	CLA	A	831	-	65,73,73	2.22	18 (27%)	76,113,113	2.44	26 (34%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B	804	-	65,73,73	2.16	19 (29%)	76,113,113	2.63	25 (32%)
14	CLA	G	816	-	50,58,73	2.59	21 (42%)	58,95,113	2.90	23 (39%)
14	CLA	S	1103	-	55,63,73	2.46	19 (34%)	64,101,113	2.91	26 (40%)
14	CLA	H	837	-	65,73,73	2.36	19 (29%)	76,113,113	2.45	23 (30%)
14	CLA	H	840	-	65,73,73	2.19	19 (29%)	76,113,113	2.88	27 (35%)
14	CLA	G	817	-	60,68,73	2.41	20 (33%)	70,107,113	2.61	25 (35%)
14	CLA	A	814	-	60,68,73	2.35	21 (35%)	70,107,113	2.66	25 (35%)
14	CLA	Y	834	1	45,53,73	2.65	19 (42%)	52,89,113	2.77	20 (38%)
14	CLA	B	828	-	65,73,73	2.25	17 (26%)	76,113,113	2.64	25 (32%)
14	CLA	B	824	-	65,73,73	2.25	19 (29%)	76,113,113	2.65	27 (35%)
14	CLA	G	822	-	65,73,73	2.25	21 (32%)	76,113,113	2.73	23 (30%)
17	BCR	G	845	-	41,41,41	2.71	7 (17%)	56,56,56	7.15	27 (48%)
14	CLA	L	206	-	65,73,73	2.23	20 (30%)	76,113,113	2.49	23 (30%)
17	BCR	Z	847	-	41,41,41	2.60	6 (14%)	56,56,56	7.20	31 (55%)
18	LHG	B	849	-	38,38,48	1.09	2 (5%)	41,44,54	1.24	4 (9%)
14	CLA	U	1003	-	65,73,73	2.26	18 (27%)	76,113,113	2.49	22 (28%)
14	CLA	Z	807	-	65,73,73	2.33	17 (26%)	76,113,113	2.23	22 (28%)
14	CLA	G	805	-	65,73,73	2.20	20 (30%)	76,113,113	2.67	22 (28%)
14	CLA	T	101	-	42,49,73	2.54	17 (40%)	48,83,113	3.03	21 (43%)
14	CLA	G	812	-	54,62,73	2.49	19 (35%)	62,99,113	2.75	26 (41%)
14	CLA	B	813	-	65,73,73	2.22	18 (27%)	76,113,113	2.54	25 (32%)
16	SF4	C	102	21,3	0,12,12	-	-	-	-	-
14	CLA	A	815	-	50,58,73	2.60	19 (38%)	58,95,113	3.00	28 (48%)
14	CLA	Y	807	-	51,59,73	2.56	20 (39%)	59,96,113	2.83	22 (37%)
14	CLA	Y	804	14	59,67,73	2.36	19 (32%)	68,105,113	2.88	21 (30%)
14	CLA	B	835	-	45,53,73	2.60	19 (42%)	52,89,113	2.92	21 (40%)
14	CLA	B	830	-	45,53,73	2.59	19 (42%)	52,89,113	2.65	22 (42%)
16	SF4	A	845	1,2	0,12,12	-	-	-	-	-
14	CLA	f	101	8	45,53,73	2.64	21 (46%)	52,89,113	3.09	22 (42%)
14	CLA	A	841	-	65,73,73	2.24	18 (27%)	76,113,113	2.62	25 (32%)
14	CLA	B	834	-	45,53,73	2.61	20 (44%)	52,89,113	2.76	23 (44%)
14	CLA	G	837	-	65,73,73	2.23	20 (30%)	76,113,113	2.63	20 (26%)
14	CLA	Q	202	-	45,53,73	2.57	18 (40%)	52,89,113	2.85	20 (38%)
14	CLA	B	807	-	65,73,73	2.29	18 (27%)	76,113,113	2.60	22 (28%)
14	CLA	A	843	18	50,58,73	2.55	21 (42%)	58,95,113	3.15	25 (43%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A	816	-	50,58,73	2.52	20 (40%)	58,95,113	3.13	25 (43%)
14	CLA	Y	823	-	50,58,73	2.65	19 (38%)	58,95,113	2.90	24 (41%)
14	CLA	Y	825	-	65,73,73	2.20	19 (29%)	76,113,113	2.48	25 (32%)
17	BCR	A	850	-	41,41,41	2.75	6 (14%)	56,56,56	7.15	24 (42%)
13	CL0	G	801	-	65,73,73	2.49	20 (30%)	76,113,113	2.79	26 (34%)
14	CLA	L	205	-	65,73,73	2.26	22 (33%)	76,113,113	2.63	26 (34%)
14	CLA	H	830	-	45,53,73	2.56	17 (37%)	52,89,113	3.12	25 (48%)
14	CLA	B	822	-	60,68,73	2.37	17 (28%)	70,107,113	2.51	25 (35%)
14	CLA	H	804	-	54,62,73	2.43	18 (33%)	62,99,113	3.01	22 (35%)
14	CLA	G	852	-	65,73,73	2.21	21 (32%)	76,113,113	2.26	24 (31%)
18	LHG	A	853	14	31,31,48	1.20	2 (6%)	34,37,54	1.15	2 (5%)
14	CLA	Z	802	-	65,73,73	2.17	19 (29%)	76,113,113	2.50	22 (28%)
15	PQN	A	844	-	34,34,34	1.60	2 (5%)	42,45,45	1.18	4 (9%)
14	CLA	Y	816	-	50,58,73	2.54	19 (38%)	58,95,113	2.88	23 (39%)
14	CLA	H	825	-	65,73,73	2.24	20 (30%)	76,113,113	2.78	26 (34%)
14	CLA	Z	822	-	45,53,73	2.67	18 (40%)	52,89,113	2.96	23 (44%)
17	BCR	e	101	-	41,41,41	2.64	7 (17%)	56,56,56	7.76	32 (57%)
14	CLA	Y	821	-	65,73,73	2.25	21 (32%)	76,113,113	2.36	24 (31%)
17	BCR	Q	203	-	41,41,41	2.59	6 (14%)	56,56,56	7.18	27 (48%)
14	CLA	Y	805	-	65,73,73	2.16	18 (27%)	76,113,113	2.69	27 (35%)
14	CLA	h	205	-	65,73,73	2.32	20 (30%)	76,113,113	2.89	24 (31%)
14	CLA	Y	826	-	60,68,73	2.29	18 (30%)	70,107,113	2.54	20 (28%)
14	CLA	B	829	-	45,53,73	2.53	19 (42%)	52,89,113	3.09	22 (42%)
14	CLA	H	835	-	45,53,73	2.59	17 (37%)	52,89,113	2.91	21 (40%)
14	CLA	Z	838	-	65,73,73	2.20	20 (30%)	76,113,113	2.56	22 (28%)
14	CLA	A	836	-	50,58,73	2.59	21 (42%)	58,95,113	2.98	26 (44%)
17	BCR	U	1008	-	41,41,41	2.72	6 (14%)	56,56,56	7.03	26 (46%)
14	CLA	G	815	-	50,58,73	2.62	19 (38%)	58,95,113	3.12	25 (43%)
17	BCR	J	103	-	41,41,41	2.70	6 (14%)	56,56,56	6.97	30 (53%)
14	CLA	Y	839	-	50,58,73	2.49	20 (40%)	58,95,113	3.02	25 (43%)
14	CLA	H	805	-	65,73,73	2.28	19 (29%)	76,113,113	2.52	23 (30%)
14	CLA	A	819	-	65,73,73	2.24	19 (29%)	76,113,113	2.59	27 (35%)
14	CLA	H	817	-	65,73,73	2.20	19 (29%)	76,113,113	2.83	27 (35%)
17	BCR	F	203	-	41,41,41	2.80	7 (17%)	56,56,56	7.00	28 (50%)
17	BCR	Y	852	-	41,41,41	2.63	7 (17%)	56,56,56	7.15	22 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B	827	-	65,73,73	2.27	19 (29%)	76,113,113	2.39	23 (30%)
14	CLA	A	806	-	65,73,73	2.14	17 (26%)	76,113,113	2.53	24 (31%)
15	PQN	H	841	-	34,34,34	1.67	2 (5%)	42,45,45	1.19	4 (9%)
17	BCR	Y	844	-	41,41,41	2.55	8 (19%)	56,56,56	7.33	23 (41%)
14	CLA	A	838	-	50,58,73	2.59	20 (40%)	58,95,113	2.97	28 (48%)
17	BCR	H	850	-	41,41,41	2.87	6 (14%)	56,56,56	7.05	28 (50%)
14	CLA	A	854	-	65,73,73	2.24	18 (27%)	76,113,113	2.67	24 (31%)
14	CLA	G	835	-	45,53,73	2.63	19 (42%)	52,89,113	3.15	21 (40%)
14	CLA	Y	811	14	65,73,73	2.31	20 (30%)	76,113,113	2.42	22 (28%)
18	LHG	Y	850	-	48,48,48	1.03	2 (4%)	51,54,54	1.30	5 (9%)
14	CLA	H	802	-	65,73,73	2.21	19 (29%)	76,113,113	2.63	23 (30%)
14	CLA	B	821	-	55,63,73	2.42	19 (34%)	64,101,113	2.53	19 (29%)
14	CLA	H	839	-	65,73,73	2.22	20 (30%)	76,113,113	2.65	24 (31%)
14	CLA	B	805	-	65,73,73	2.20	19 (29%)	76,113,113	2.45	22 (28%)
14	CLA	B	817	-	60,68,73	2.35	21 (35%)	70,107,113	2.45	20 (28%)
14	CLA	B	839	-	65,73,73	2.26	20 (30%)	76,113,113	2.48	23 (30%)
14	CLA	H	823	-	60,68,73	2.32	18 (30%)	70,107,113	2.70	26 (37%)
17	BCR	G	848	-	41,41,41	2.64	6 (14%)	56,56,56	7.17	24 (42%)
14	CLA	Y	812	-	55,63,73	2.44	21 (38%)	64,101,113	2.70	23 (35%)
17	BCR	B	847	-	41,41,41	2.59	6 (14%)	56,56,56	7.17	26 (46%)
14	CLA	B	801	-	65,73,73	2.20	18 (27%)	76,113,113	2.54	23 (30%)
14	CLA	H	820	-	45,53,73	2.50	17 (37%)	52,89,113	3.06	23 (44%)
14	CLA	Y	836	-	65,73,73	2.31	21 (32%)	76,113,113	2.49	26 (34%)
14	CLA	Y	838	-	65,73,73	2.34	20 (30%)	76,113,113	2.51	23 (30%)
15	PQN	G	843	-	34,34,34	1.68	2 (5%)	42,45,45	1.17	5 (11%)
17	BCR	A	848	-	41,41,41	2.63	6 (14%)	56,56,56	7.17	28 (50%)
14	CLA	Z	808	-	65,73,73	2.07	17 (26%)	76,113,113	2.50	22 (28%)
14	CLA	B	833	-	45,53,73	2.60	19 (42%)	52,89,113	3.10	23 (44%)
14	CLA	G	818	-	65,73,73	2.19	18 (27%)	76,113,113	2.69	26 (34%)
17	BCR	i	101	-	41,41,41	2.80	6 (14%)	56,56,56	7.58	28 (50%)
17	BCR	A	849	-	41,41,41	2.76	7 (17%)	56,56,56	6.98	29 (51%)
18	LHG	Y	851	14	24,24,48	1.56	2 (8%)	27,30,54	1.44	2 (7%)
17	BCR	G	847	-	41,41,41	2.70	6 (14%)	56,56,56	7.20	29 (51%)
19	LMG	Z	849	-	49,49,55	1.28	6 (12%)	57,57,63	1.27	5 (8%)
14	CLA	Z	806	-	65,73,73	2.30	21 (32%)	76,113,113	2.54	25 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	L	204	-	65,73,73	2.22	19 (29%)	76,113,113	2.62	23 (30%)
14	CLA	Z	820	-	60,68,73	2.32	21 (35%)	70,107,113	2.46	22 (31%)
14	CLA	Y	813	-	60,68,73	2.34	20 (33%)	70,107,113	2.71	24 (34%)
19	LMG	B	848	-	52,52,55	1.42	7 (13%)	60,60,63	1.36	7 (11%)
14	CLA	h	201	-	65,73,73	2.22	18 (27%)	76,113,113	2.48	24 (31%)
14	CLA	g	102	-	45,53,73	2.66	18 (40%)	52,89,113	2.76	19 (36%)
14	CLA	H	815	-	45,53,73	2.60	20 (44%)	52,89,113	3.06	24 (46%)
17	BCR	B	844	-	41,41,41	2.71	6 (14%)	56,56,56	7.13	27 (48%)
14	CLA	H	814	-	65,73,73	2.31	20 (30%)	76,113,113	2.68	21 (27%)
14	CLA	H	818	-	60,68,73	2.33	18 (30%)	70,107,113	2.63	26 (37%)
14	CLA	A	807	-	65,73,73	2.25	20 (30%)	76,113,113	2.44	27 (35%)
14	CLA	B	837	-	65,73,73	2.17	18 (27%)	76,113,113	2.61	26 (34%)
14	CLA	G	826	-	60,68,73	2.34	20 (33%)	70,107,113	2.64	23 (32%)
14	CLA	B	802	-	65,73,73	2.26	20 (30%)	76,113,113	2.23	23 (30%)
14	CLA	G	827	-	65,73,73	2.28	19 (29%)	76,113,113	2.34	26 (34%)
17	BCR	H	847	-	41,41,41	2.51	7 (17%)	56,56,56	7.28	29 (51%)
14	CLA	A	824	-	50,58,73	2.66	21 (42%)	58,95,113	2.74	23 (39%)
17	BCR	S	1105	-	41,41,41	2.88	7 (17%)	56,56,56	7.33	29 (51%)
14	CLA	G	813	-	60,68,73	2.37	20 (33%)	70,107,113	2.75	25 (35%)
14	CLA	B	825	-	65,73,73	2.18	19 (29%)	76,113,113	2.64	24 (31%)
14	CLA	A	826	-	65,73,73	2.26	21 (32%)	76,113,113	2.54	25 (32%)
17	BCR	M	101	-	41,41,41	2.75	8 (19%)	56,56,56	7.14	28 (50%)
14	CLA	H	808	-	65,73,73	2.18	19 (29%)	76,113,113	2.46	28 (36%)
14	CLA	A	827	-	60,68,73	2.31	19 (31%)	70,107,113	2.69	26 (37%)
14	CLA	Z	810	2	65,73,73	2.13	19 (29%)	76,113,113	2.78	25 (32%)
14	CLA	A	812	14	65,73,73	2.17	18 (27%)	76,113,113	2.69	24 (31%)
14	CLA	H	834	-	45,53,73	2.57	18 (40%)	52,89,113	3.09	22 (42%)
14	CLA	Z	835	-	45,53,73	2.64	18 (40%)	52,89,113	2.73	20 (38%)
14	CLA	Y	828	-	65,73,73	2.27	21 (32%)	76,113,113	2.39	25 (32%)
17	BCR	Y	847	-	41,41,41	2.73	6 (14%)	56,56,56	7.17	26 (46%)
17	BCR	R	101	-	41,41,41	2.60	7 (17%)	56,56,56	7.50	23 (41%)
17	BCR	A	846	-	41,41,41	2.87	6 (14%)	56,56,56	7.35	28 (50%)
17	BCR	Z	846	-	25,25,41	2.13	2 (8%)	33,33,56	8.00	16 (48%)
14	CLA	A	829	-	65,73,73	2.16	19 (29%)	76,113,113	2.67	25 (32%)
16	SF4	a	101	3	0,12,12	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
17	BCR	h	207	-	41,41,41	2.91	8 (19%)	56,56,56	7.00	18 (32%)
14	CLA	Y	830	-	65,73,73	2.30	19 (29%)	76,113,113	2.48	22 (28%)
14	CLA	S	1101	-	65,73,73	2.23	19 (29%)	76,113,113	2.58	23 (30%)
17	BCR	Z	845	-	41,41,41	2.55	6 (14%)	56,56,56	7.27	24 (42%)
14	CLA	F	202	-	45,53,73	2.52	20 (44%)	52,89,113	3.02	22 (42%)
14	CLA	A	825	-	60,68,73	2.35	20 (33%)	70,107,113	2.53	22 (31%)
14	CLA	B	809	-	65,73,73	2.28	19 (29%)	76,113,113	2.58	27 (35%)
14	CLA	Z	803	-	65,73,73	2.24	18 (27%)	76,113,113	2.58	26 (34%)
14	CLA	G	820	-	60,68,73	2.33	20 (33%)	70,107,113	2.65	25 (35%)
15	PQN	Y	842	-	34,34,34	1.77	2 (5%)	42,45,45	1.02	3 (7%)
17	BCR	I	102	-	41,41,41	2.90	6 (14%)	56,56,56	7.00	23 (41%)
14	CLA	X	1701	-	45,53,73	2.72	19 (42%)	52,89,113	2.69	23 (44%)
14	CLA	A	839	-	65,73,73	2.23	19 (29%)	76,113,113	2.50	22 (28%)
14	CLA	H	816	-	55,63,73	2.52	19 (34%)	64,101,113	2.93	26 (40%)
14	CLA	Y	810	-	45,53,73	2.63	20 (44%)	52,89,113	2.82	25 (48%)
14	CLA	H	821	-	45,53,73	2.75	18 (40%)	52,89,113	2.81	21 (40%)
14	CLA	h	204	10	65,73,73	2.26	18 (27%)	76,113,113	2.39	26 (34%)
17	BCR	B	845	-	25,25,41	2.14	2 (8%)	33,33,56	7.99	14 (42%)
14	CLA	Y	835	-	50,58,73	2.59	19 (38%)	58,95,113	2.94	24 (41%)
14	CLA	B	815	-	55,63,73	2.47	20 (36%)	64,101,113	2.65	19 (29%)
14	CLA	G	802	-	65,73,73	2.30	20 (30%)	76,113,113	2.51	22 (28%)
17	BCR	S	1104	-	41,41,41	2.96	6 (14%)	56,56,56	6.95	26 (46%)
13	CL0	A	801	-	65,73,73	2.32	17 (26%)	76,113,113	2.63	22 (28%)
14	CLA	Z	805	-	54,62,73	2.31	18 (33%)	62,99,113	3.03	26 (41%)
14	CLA	G	823	-	50,58,73	2.59	20 (40%)	58,95,113	2.91	23 (39%)
14	CLA	Z	817	-	55,63,73	2.43	20 (36%)	64,101,113	2.83	23 (35%)
14	CLA	S	1102	8	45,53,73	2.63	19 (42%)	52,89,113	2.85	18 (34%)
14	CLA	A	822	-	65,73,73	2.31	21 (32%)	76,113,113	2.50	21 (27%)
14	CLA	A	832	-	50,58,73	2.42	19 (38%)	58,95,113	2.75	25 (43%)
14	CLA	Z	832	-	45,53,73	2.50	19 (42%)	52,89,113	2.96	23 (44%)
14	CLA	Z	831	-	45,53,73	2.49	20 (44%)	52,89,113	3.12	23 (44%)
14	CLA	Y	817	-	60,68,73	2.40	21 (35%)	70,107,113	2.59	24 (34%)
17	BCR	Q	201	-	41,41,41	2.87	6 (14%)	56,56,56	7.00	27 (48%)
14	CLA	G	806	-	65,73,73	2.24	19 (29%)	76,113,113	2.63	24 (31%)
14	CLA	B	814	-	45,53,73	2.58	18 (40%)	52,89,113	3.02	23 (44%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	G	829	-	65,73,73	2.27	19 (29%)	76,113,113	2.30	27 (35%)
14	CLA	Z	836	-	45,53,73	2.56	19 (42%)	52,89,113	3.13	23 (44%)
14	CLA	Y	831	-	50,58,73	2.41	18 (36%)	58,95,113	2.93	21 (36%)
14	CLA	Z	839	-	45,53,73	2.57	19 (42%)	52,89,113	3.02	24 (46%)
14	CLA	H	851	18	50,58,73	2.57	20 (40%)	58,95,113	3.13	26 (44%)
14	CLA	G	840	-	65,73,73	2.27	20 (30%)	76,113,113	2.54	24 (31%)
17	BCR	Z	850	-	41,41,41	2.84	6 (14%)	56,56,56	7.07	24 (42%)
14	CLA	Y	833	-	55,63,73	2.56	21 (38%)	64,101,113	2.60	23 (35%)
14	CLA	Z	818	-	65,73,73	2.33	20 (30%)	76,113,113	2.58	23 (30%)
14	CLA	G	821	-	65,73,73	2.32	18 (27%)	76,113,113	2.54	22 (28%)
14	CLA	L	202	-	65,73,73	2.21	18 (27%)	76,113,113	2.61	30 (39%)
14	CLA	B	810	-	55,63,73	2.44	20 (36%)	64,101,113	2.71	25 (39%)
14	CLA	H	826	-	65,73,73	2.28	21 (32%)	76,113,113	2.41	22 (28%)
14	CLA	G	831	-	50,58,73	2.49	18 (36%)	58,95,113	2.89	26 (44%)
14	CLA	Y	829	-	65,73,73	2.34	20 (30%)	76,113,113	2.39	21 (27%)
14	CLA	G	842	18	50,58,73	2.52	20 (40%)	58,95,113	3.00	24 (41%)
14	CLA	g	101	-	42,49,73	2.57	15 (35%)	48,83,113	2.87	21 (43%)
14	CLA	Z	816	-	45,53,73	2.57	19 (42%)	52,89,113	3.02	19 (36%)
15	PQN	B	841	-	34,34,34	1.72	3 (8%)	42,45,45	1.09	4 (9%)
14	CLA	H	812	-	45,53,73	2.59	19 (42%)	52,89,113	2.76	21 (40%)
14	CLA	J	101	8	45,53,73	2.58	18 (40%)	52,89,113	2.94	22 (42%)
14	CLA	Z	824	-	60,68,73	2.42	20 (33%)	70,107,113	2.40	23 (32%)
14	CLA	Y	802	-	65,73,73	2.26	21 (32%)	76,113,113	2.42	30 (39%)

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
14	CLA	H	836	-	1/1/14/20	17/31/109/115	-
14	CLA	H	838	-	1/1/11/20	1/13/91/115	-
17	BCR	Y	848	-	-	3/29/63/63	0/2/2/2
14	CLA	Z	823	-	1/1/13/20	10/25/103/115	-
14	CLA	Z	811	2	1/1/15/20	18/37/115/115	-
14	CLA	Z	813	-	1/1/11/20	4/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	807	-	1/1/12/20	7/21/99/115	-
14	CLA	G	810	-	1/1/11/20	9/13/91/115	-
14	CLA	A	809	1	1/1/15/20	21/37/115/115	-
14	CLA	A	837	-	1/1/15/20	19/37/115/115	-
17	BCR	R	102	-	-	11/29/63/63	0/2/2/2
17	BCR	U	1009	-	-	8/29/63/63	0/2/2/2
14	CLA	G	804	14	1/1/13/20	11/30/108/115	-
14	CLA	H	831	-	1/1/15/20	17/37/115/115	-
14	CLA	Z	828	-	1/1/15/20	17/37/115/115	-
14	CLA	Y	814	-	1/1/13/20	12/25/103/115	-
17	BCR	J	104	-	-	9/29/63/63	0/2/2/2
14	CLA	H	810	2	1/1/15/20	16/37/115/115	-
14	CLA	Z	819	-	1/1/14/20	14/31/109/115	-
14	CLA	Z	821	-	1/1/11/20	8/13/91/115	-
14	CLA	A	810	-	1/1/15/20	13/37/115/115	-
14	CLA	Z	825	2	1/1/13/20	10/25/103/115	-
17	BCR	B	843	-	-	7/29/63/63	0/2/2/2
17	BCR	G	846	-	-	9/29/63/63	0/2/2/2
14	CLA	H	813	-	1/1/15/20	18/37/115/115	-
14	CLA	Y	808	1	1/1/15/20	22/37/115/115	-
14	CLA	A	842	-	1/1/15/20	15/37/115/115	-
14	CLA	A	811	-	1/1/11/20	6/13/91/115	-
14	CLA	Y	827	-	1/1/15/20	16/37/115/115	-
14	CLA	Z	809	-	1/1/15/20	15/37/115/115	-
17	BCR	U	1005	-	-	6/29/63/63	0/2/2/2
14	CLA	H	806	-	1/1/15/20	17/37/115/115	-
14	CLA	G	828	-	1/1/15/20	11/37/115/115	-
14	CLA	H	828	-	1/1/15/20	7/37/115/115	-
16	SF4	G	844	1,2	-	-	0/6/5/5
14	CLA	B	808	2	1/1/15/20	21/37/115/115	-
14	CLA	U	1006	-	1/1/15/20	15/37/115/115	-
14	CLA	Z	830	-	1/1/15/20	11/37/115/115	-
17	BCR	Y	849	-	-	8/29/63/63	0/2/2/2
17	BCR	L	207	-	-	11/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	808	1	1/1/15/20	16/37/115/115	-
14	CLA	H	824	2	1/1/13/20	13/25/103/115	-
14	CLA	T	103	-	1/1/11/20	4/13/91/115	-
14	CLA	B	832	-	1/1/13/20	10/25/103/115	-
14	CLA	H	803	-	1/1/15/20	20/37/115/115	-
16	SF4	N	102	3	-	-	0/6/5/5
14	CLA	d	202	-	1/1/11/20	3/13/91/115	-
14	CLA	H	827	-	1/1/15/20	16/37/115/115	-
14	CLA	Y	815	-	1/1/12/20	7/19/97/115	-
14	CLA	A	828	-	1/1/15/20	15/37/115/115	-
14	CLA	G	809	-	1/1/15/20	16/37/115/115	-
17	BCR	T	102	-	-	10/29/63/63	0/2/2/2
16	SF4	a	102	3	-	-	0/6/5/5
14	CLA	B	818	-	1/1/14/20	17/31/109/115	-
17	BCR	V	101	-	-	6/29/63/63	0/2/2/2
14	CLA	H	829	-	1/1/15/20	12/37/115/115	-
14	CLA	G	833	-	1/1/15/20	14/37/115/115	-
14	CLA	A	817	-	1/1/12/20	7/19/97/115	-
14	CLA	Y	841	-	1/1/15/20	14/37/115/115	-
17	BCR	I	101	-	-	5/29/63/63	0/2/2/2
14	CLA	J	102	-	1/1/13/20	13/25/103/115	-
14	CLA	Y	809	-	1/1/15/20	16/37/115/115	-
18	LHG	G	850	-	-	25/53/53/53	-
17	BCR	f	103	-	-	5/29/63/63	0/2/2/2
17	BCR	L	208	-	-	8/29/63/63	0/2/2/2
14	CLA	B	811	-	1/1/12/20	6/19/97/115	-
14	CLA	f	102	-	1/1/13/20	15/25/103/115	-
17	BCR	H	843	-	-	9/29/63/63	0/2/2/2
14	CLA	Y	837	-	1/1/12/20	5/19/97/115	-
14	CLA	G	836	-	1/1/12/20	5/19/97/115	-
14	CLA	G	838	-	1/1/12/20	4/19/97/115	-
14	CLA	Z	826	-	1/1/15/20	13/37/115/115	-
14	CLA	L	201	-	1/1/15/20	18/37/115/115	-
14	CLA	B	840	-	1/1/15/20	10/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	h	202	-	-	7/29/63/63	0/2/2/2
14	CLA	G	832	-	1/1/15/20	13/37/115/115	-
14	CLA	Z	829	-	1/1/15/20	15/37/115/115	-
17	BCR	B	842	-	-	3/24/41/63	0/1/1/2
14	CLA	G	819	-	1/1/15/20	19/37/115/115	-
14	CLA	A	830	-	1/1/15/20	17/37/115/115	-
14	CLA	G	824	-	1/1/14/20	17/31/109/115	-
14	CLA	A	804	-	1/1/15/20	16/37/115/115	-
14	CLA	H	822	-	1/1/13/20	9/25/103/115	-
14	CLA	G	825	-	1/1/15/20	11/37/115/115	-
14	CLA	A	803	-	1/1/15/20	7/37/115/115	-
17	BCR	Y	845	-	-	4/29/63/63	0/2/2/2
14	CLA	H	807	-	1/1/15/20	10/37/115/115	-
14	CLA	A	833	-	1/1/15/20	9/37/115/115	-
14	CLA	j	102	-	1/1/11/20	5/13/91/115	-
14	CLA	G	803	-	1/1/15/20	12/37/115/115	-
17	BCR	B	846	-	-	11/29/63/63	0/2/2/2
17	BCR	Z	844	-	-	8/29/63/63	0/2/2/2
14	CLA	Y	822	-	1/1/15/20	17/37/115/115	-
16	SF4	C	101	3	-	-	0/6/5/5
17	BCR	H	845	-	-	8/18/35/63	0/1/1/2
14	CLA	A	835	1	1/1/11/20	4/13/91/115	-
14	CLA	B	826	-	1/1/15/20	12/37/115/115	-
14	CLA	Z	812	-	1/1/13/20	13/25/103/115	-
14	CLA	A	821	-	1/1/14/20	14/31/109/115	-
17	BCR	Z	848	-	-	9/29/63/63	0/2/2/2
14	CLA	d	201	-	1/1/15/20	15/37/115/115	-
14	CLA	B	812	-	1/1/15/20	23/37/115/115	-
14	CLA	A	808	-	1/1/12/20	9/21/99/115	-
14	CLA	G	811	14	1/1/15/20	22/37/115/115	-
14	CLA	A	805	14	1/1/13/20	15/30/108/115	-
14	CLA	Z	801	-	1/1/15/20	17/37/115/115	-
14	CLA	A	813	-	1/1/12/20	9/24/102/115	-
14	CLA	G	841	-	1/1/15/20	15/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	PQN	Z	842	-	-	8/23/43/43	0/2/2/2
14	CLA	Y	824	-	1/1/14/20	17/31/109/115	-
14	CLA	G	814	-	1/1/12/20	5/19/97/115	-
14	CLA	Z	837	-	1/1/14/20	12/31/109/115	-
17	BCR	Z	843	-	-	12/29/63/63	0/2/2/2
14	CLA	G	834	-	1/1/13/20	5/25/103/115	-
14	CLA	G	853	-	1/1/11/20	6/13/91/115	-
14	CLA	Z	833	-	1/1/13/20	11/25/103/115	-
14	CLA	G	830	-	1/1/15/20	13/37/115/115	-
14	CLA	A	802	-	1/1/15/20	13/37/115/115	-
14	CLA	Z	841	-	1/1/15/20	10/37/115/115	-
14	CLA	A	840	-	1/1/12/20	5/19/97/115	-
13	CL0	Y	801	-	3/3/20/25	18/37/135/135	-
19	LMG	H	848	-	-	12/44/64/70	0/1/1/1
14	CLA	B	831	-	1/1/15/20	19/37/115/115	-
14	CLA	H	832	-	1/1/13/20	12/25/103/115	-
14	CLA	Y	806	-	1/1/15/20	17/37/115/115	-
14	CLA	A	823	-	1/1/15/20	18/37/115/115	-
14	CLA	Y	820	-	1/1/14/20	11/31/109/115	-
17	BCR	H	842	-	-	10/29/63/63	0/2/2/2
17	BCR	Y	846	-	-	18/29/63/63	0/2/2/2
16	SF4	N	101	3	-	-	0/6/5/5
14	CLA	B	820	-	1/1/11/20	8/13/91/115	-
14	CLA	H	801	-	1/1/15/20	15/37/115/115	-
14	CLA	A	820	-	1/1/15/20	18/37/115/115	-
14	CLA	H	833	-	1/1/11/20	6/13/91/115	-
14	CLA	h	206	-	1/1/15/20	17/37/115/115	-
17	BCR	G	849	-	-	9/29/63/63	0/2/2/2
14	CLA	B	823	2	1/1/13/20	12/25/103/115	-
14	CLA	U	1007	-	1/1/15/20	12/37/115/115	-
14	CLA	H	809	2	1/1/15/20	17/37/115/115	-
14	CLA	Z	815	-	1/1/15/20	9/37/115/115	-
17	BCR	H	844	-	-	10/29/63/63	0/2/2/2
14	CLA	Y	803	-	1/1/15/20	15/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	K	101	-	1/1/9/20	3/7/81/115	-
17	BCR	A	851	-	-	11/29/63/63	0/2/2/2
18	LHG	A	852	-	-	30/53/53/53	-
18	LHG	j	101	-	-	17/32/32/53	-
14	CLA	U	1002	10	1/1/15/20	21/37/115/115	-
16	SF4	Y	843	1,2	-	-	0/6/5/5
14	CLA	Y	819	-	1/1/15/20	20/37/115/115	-
14	CLA	Y	818	-	1/1/15/20	14/37/115/115	-
14	CLA	Z	834	-	1/1/11/20	5/13/91/115	-
17	BCR	H	846	-	-	14/29/63/63	0/2/2/2
17	BCR	Y	853	-	-	8/29/63/63	0/2/2/2
17	BCR	B	850	-	-	10/29/63/63	0/2/2/2
14	CLA	Z	814	-	1/1/15/20	19/37/115/115	-
17	BCR	d	203	-	-	5/29/63/63	0/2/2/2
14	CLA	Z	840	-	1/1/15/20	9/37/115/115	-
14	CLA	B	816	-	1/1/15/20	8/37/115/115	-
18	LHG	G	851	14	-	16/36/36/53	-
14	CLA	B	803	-	1/1/12/20	7/24/102/115	-
14	CLA	A	818	-	1/1/14/20	14/31/109/115	-
14	CLA	Z	804	-	1/1/15/20	14/37/115/115	-
14	CLA	K	102	-	1/1/11/20	4/13/91/115	-
17	BCR	F	201	-	-	10/29/63/63	0/2/2/2
14	CLA	B	836	-	1/1/14/20	8/31/109/115	-
14	CLA	H	819	-	1/1/14/20	14/31/109/115	-
14	CLA	H	811	-	1/1/13/20	9/25/103/115	-
14	CLA	Y	840	-	1/1/15/20	13/37/115/115	-
17	BCR	A	847	-	-	9/29/63/63	0/2/2/2
14	CLA	B	819	-	1/1/11/20	4/13/91/115	-
18	LHG	H	849	-	-	23/41/41/53	-
14	CLA	U	1004	-	1/1/15/20	15/37/115/115	-
14	CLA	B	806	-	1/1/15/20	11/37/115/115	-
14	CLA	Z	827	-	1/1/15/20	14/37/115/115	-
14	CLA	Y	832	-	1/1/15/20	20/37/115/115	-
14	CLA	W	1701	-	1/1/11/20	5/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	839	-	1/1/12/20	7/19/97/115	-
14	CLA	B	838	-	1/1/11/20	2/13/91/115	-
14	CLA	A	834	-	1/1/13/20	10/25/103/115	-
14	CLA	A	831	-	1/1/15/20	16/37/115/115	-
14	CLA	B	804	-	1/1/15/20	14/37/115/115	-
14	CLA	G	816	-	1/1/12/20	10/19/97/115	-
14	CLA	S	1103	-	1/1/13/20	14/25/103/115	-
14	CLA	H	837	-	1/1/15/20	13/37/115/115	-
14	CLA	H	840	-	1/1/15/20	9/37/115/115	-
14	CLA	G	817	-	1/1/14/20	13/31/109/115	-
14	CLA	A	814	-	1/1/14/20	12/31/109/115	-
14	CLA	Y	834	1	1/1/11/20	3/13/91/115	-
14	CLA	B	828	-	1/1/15/20	9/37/115/115	-
14	CLA	B	824	-	1/1/15/20	15/37/115/115	-
14	CLA	G	822	-	1/1/15/20	12/37/115/115	-
17	BCR	G	845	-	-	8/29/63/63	0/2/2/2
14	CLA	L	206	-	1/1/15/20	9/37/115/115	-
17	BCR	Z	847	-	-	10/29/63/63	0/2/2/2
18	LHG	B	849	-	-	28/43/43/53	-
14	CLA	U	1003	-	1/1/15/20	13/37/115/115	-
14	CLA	Z	807	-	1/1/15/20	16/37/115/115	-
14	CLA	G	805	-	1/1/15/20	20/37/115/115	-
14	CLA	T	101	-	1/1/9/20	5/7/81/115	-
14	CLA	G	812	-	1/1/12/20	8/24/102/115	-
14	CLA	B	813	-	1/1/15/20	19/37/115/115	-
16	SF4	C	102	21,3	-	-	0/6/5/5
14	CLA	A	815	-	1/1/12/20	9/19/97/115	-
14	CLA	Y	807	-	1/1/12/20	11/21/99/115	-
14	CLA	Y	804	14	1/1/13/20	13/30/108/115	-
14	CLA	B	835	-	1/1/11/20	4/13/91/115	-
14	CLA	B	830	-	1/1/11/20	5/13/91/115	-
16	SF4	A	845	1,2	-	-	0/6/5/5
14	CLA	f	101	8	1/1/11/20	5/13/91/115	-
14	CLA	A	841	-	1/1/15/20	16/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B	834	-	1/1/11/20	4/13/91/115	-
14	CLA	G	837	-	1/1/15/20	21/37/115/115	-
14	CLA	Q	202	-	1/1/11/20	2/13/91/115	-
14	CLA	B	807	-	1/1/15/20	16/37/115/115	-
14	CLA	A	843	18	1/1/12/20	9/19/97/115	-
14	CLA	A	816	-	1/1/12/20	8/19/97/115	-
14	CLA	Y	823	-	1/1/12/20	8/19/97/115	-
14	CLA	Y	825	-	1/1/15/20	15/37/115/115	-
17	BCR	A	850	-	-	6/29/63/63	0/2/2/2
13	CL0	G	801	-	3/3/20/25	14/37/135/135	-
14	CLA	L	205	-	1/1/15/20	16/37/115/115	-
14	CLA	H	830	-	1/1/11/20	10/13/91/115	-
14	CLA	B	822	-	1/1/14/20	14/31/109/115	-
14	CLA	H	804	-	1/1/12/20	7/24/102/115	-
14	CLA	G	852	-	1/1/15/20	11/37/115/115	-
18	LHG	A	853	14	-	19/36/36/53	-
14	CLA	Z	802	-	1/1/15/20	19/37/115/115	-
15	PQN	A	844	-	-	4/23/43/43	0/2/2/2
14	CLA	Y	816	-	1/1/12/20	8/19/97/115	-
14	CLA	H	825	-	1/1/15/20	22/37/115/115	-
14	CLA	Z	822	-	1/1/11/20	5/13/91/115	-
17	BCR	e	101	-	-	18/29/63/63	0/2/2/2
14	CLA	Y	821	-	1/1/15/20	19/37/115/115	-
17	BCR	Q	203	-	-	6/29/63/63	0/2/2/2
14	CLA	Y	805	-	1/1/15/20	15/37/115/115	-
14	CLA	h	205	-	1/1/15/20	17/37/115/115	-
14	CLA	Y	826	-	1/1/14/20	8/31/109/115	-
14	CLA	B	829	-	1/1/11/20	4/13/91/115	-
14	CLA	H	835	-	1/1/11/20	4/13/91/115	-
14	CLA	Z	838	-	1/1/15/20	14/37/115/115	-
14	CLA	A	836	-	1/1/12/20	6/19/97/115	-
17	BCR	U	1008	-	-	16/29/63/63	0/2/2/2
14	CLA	G	815	-	1/1/12/20	7/19/97/115	-
17	BCR	J	103	-	-	6/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	839	-	1/1/12/20	5/19/97/115	-
14	CLA	H	805	-	1/1/15/20	16/37/115/115	-
14	CLA	A	819	-	1/1/15/20	20/37/115/115	-
14	CLA	H	817	-	1/1/15/20	14/37/115/115	-
17	BCR	F	203	-	-	4/29/63/63	0/2/2/2
17	BCR	Y	852	-	-	12/29/63/63	0/2/2/2
14	CLA	B	827	-	1/1/15/20	21/37/115/115	-
14	CLA	A	806	-	1/1/15/20	22/37/115/115	-
15	PQN	H	841	-	-	5/23/43/43	0/2/2/2
17	BCR	Y	844	-	-	9/29/63/63	0/2/2/2
14	CLA	A	838	-	1/1/12/20	9/19/97/115	-
17	BCR	H	850	-	-	8/29/63/63	0/2/2/2
14	CLA	A	854	-	1/1/15/20	14/37/115/115	-
14	CLA	G	835	-	1/1/11/20	7/13/91/115	-
14	CLA	Y	811	14	1/1/15/20	18/37/115/115	-
18	LHG	Y	850	-	-	32/53/53/53	-
14	CLA	H	802	-	1/1/15/20	19/37/115/115	-
14	CLA	B	821	-	1/1/13/20	11/25/103/115	-
14	CLA	H	839	-	1/1/15/20	8/37/115/115	-
14	CLA	B	805	-	1/1/15/20	15/37/115/115	-
14	CLA	B	817	-	1/1/14/20	9/31/109/115	-
14	CLA	B	839	-	1/1/15/20	12/37/115/115	-
14	CLA	H	823	-	1/1/14/20	13/31/109/115	-
17	BCR	G	848	-	-	8/29/63/63	0/2/2/2
14	CLA	Y	812	-	1/1/13/20	8/25/103/115	-
17	BCR	B	847	-	-	6/29/63/63	0/2/2/2
14	CLA	B	801	-	1/1/15/20	19/37/115/115	-
14	CLA	H	820	-	1/1/11/20	9/13/91/115	-
14	CLA	Y	836	-	1/1/15/20	19/37/115/115	-
14	CLA	Y	838	-	1/1/15/20	11/37/115/115	-
15	PQN	G	843	-	-	11/23/43/43	0/2/2/2
17	BCR	A	848	-	-	11/29/63/63	0/2/2/2
14	CLA	Z	808	-	1/1/15/20	18/37/115/115	-
14	CLA	B	833	-	1/1/11/20	5/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	818	-	1/1/15/20	19/37/115/115	-
17	BCR	i	101	-	-	11/29/63/63	0/2/2/2
17	BCR	A	849	-	-	8/29/63/63	0/2/2/2
18	LHG	Y	851	14	-	17/28/28/53	-
17	BCR	G	847	-	-	8/29/63/63	0/2/2/2
19	LMG	Z	849	-	-	14/44/64/70	0/1/1/1
14	CLA	Z	806	-	1/1/15/20	13/37/115/115	-
14	CLA	L	204	-	1/1/15/20	20/37/115/115	-
14	CLA	Z	820	-	1/1/14/20	12/31/109/115	-
14	CLA	Y	813	-	1/1/14/20	10/31/109/115	-
19	LMG	B	848	-	-	13/47/67/70	0/1/1/1
14	CLA	h	201	-	1/1/15/20	12/37/115/115	-
14	CLA	g	102	-	1/1/11/20	3/13/91/115	-
14	CLA	H	815	-	1/1/11/20	7/13/91/115	-
17	BCR	B	844	-	-	12/29/63/63	0/2/2/2
14	CLA	H	814	-	1/1/15/20	17/37/115/115	-
14	CLA	H	818	-	1/1/14/20	15/31/109/115	-
14	CLA	A	807	-	1/1/15/20	20/37/115/115	-
14	CLA	B	837	-	1/1/15/20	13/37/115/115	-
14	CLA	G	826	-	1/1/14/20	6/31/109/115	-
14	CLA	B	802	-	1/1/15/20	10/37/115/115	-
14	CLA	G	827	-	1/1/15/20	15/37/115/115	-
17	BCR	H	847	-	-	8/29/63/63	0/2/2/2
14	CLA	A	824	-	1/1/12/20	8/19/97/115	-
17	BCR	S	1105	-	-	12/29/63/63	0/2/2/2
14	CLA	G	813	-	1/1/14/20	12/31/109/115	-
14	CLA	B	825	-	1/1/15/20	20/37/115/115	-
14	CLA	A	826	-	1/1/15/20	16/37/115/115	-
17	BCR	M	101	-	-	11/29/63/63	0/2/2/2
14	CLA	H	808	-	1/1/15/20	15/37/115/115	-
14	CLA	A	827	-	1/1/14/20	11/31/109/115	-
14	CLA	Z	810	2	1/1/15/20	16/37/115/115	-
14	CLA	A	812	14	1/1/15/20	12/37/115/115	-
14	CLA	H	834	-	1/1/11/20	6/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Z	835	-	1/1/11/20	6/13/91/115	-
14	CLA	Y	828	-	1/1/15/20	15/37/115/115	-
17	BCR	Y	847	-	-	5/29/63/63	0/2/2/2
17	BCR	R	101	-	-	8/29/63/63	0/2/2/2
17	BCR	A	846	-	-	10/29/63/63	0/2/2/2
17	BCR	Z	846	-	-	8/18/35/63	0/1/1/2
14	CLA	A	829	-	1/1/15/20	13/37/115/115	-
16	SF4	a	101	3	-	-	0/6/5/5
17	BCR	h	207	-	-	10/29/63/63	0/2/2/2
14	CLA	Y	830	-	1/1/15/20	11/37/115/115	-
14	CLA	S	1101	-	1/1/15/20	19/37/115/115	-
17	BCR	Z	845	-	-	10/29/63/63	0/2/2/2
14	CLA	F	202	-	1/1/11/20	4/13/91/115	-
14	CLA	A	825	-	1/1/14/20	16/31/109/115	-
14	CLA	B	809	-	1/1/15/20	16/37/115/115	-
14	CLA	Z	803	-	1/1/15/20	19/37/115/115	-
14	CLA	G	820	-	1/1/14/20	13/31/109/115	-
15	PQN	Y	842	-	-	7/23/43/43	0/2/2/2
17	BCR	I	102	-	-	9/29/63/63	0/2/2/2
14	CLA	X	1701	-	1/1/11/20	5/13/91/115	-
14	CLA	A	839	-	1/1/15/20	13/37/115/115	-
14	CLA	H	816	-	1/1/13/20	12/25/103/115	-
14	CLA	Y	810	-	1/1/11/20	4/13/91/115	-
14	CLA	H	821	-	1/1/11/20	5/13/91/115	-
14	CLA	h	204	10	1/1/15/20	19/37/115/115	-
17	BCR	B	845	-	-	4/18/35/63	0/1/1/2
14	CLA	Y	835	-	1/1/12/20	8/19/97/115	-
14	CLA	B	815	-	1/1/13/20	8/25/103/115	-
14	CLA	G	802	-	1/1/15/20	17/37/115/115	-
17	BCR	S	1104	-	-	9/29/63/63	0/2/2/2
13	CL0	A	801	-	3/3/20/25	8/37/135/135	-
14	CLA	Z	805	-	1/1/12/20	4/24/102/115	-
14	CLA	G	823	-	1/1/12/20	6/19/97/115	-
14	CLA	Z	817	-	1/1/13/20	10/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	S	1102	8	1/1/11/20	8/13/91/115	-
14	CLA	A	822	-	1/1/15/20	16/37/115/115	-
14	CLA	A	832	-	1/1/12/20	3/19/97/115	-
14	CLA	Z	832	-	1/1/11/20	5/13/91/115	-
14	CLA	Z	831	-	1/1/11/20	4/13/91/115	-
14	CLA	Y	817	-	1/1/14/20	7/31/109/115	-
17	BCR	Q	201	-	-	11/29/63/63	0/2/2/2
14	CLA	G	806	-	1/1/15/20	22/37/115/115	-
14	CLA	B	814	-	1/1/11/20	3/13/91/115	-
14	CLA	G	829	-	1/1/15/20	16/37/115/115	-
14	CLA	Z	836	-	1/1/11/20	7/13/91/115	-
14	CLA	Y	831	-	1/1/12/20	6/19/97/115	-
14	CLA	Z	839	-	1/1/11/20	1/13/91/115	-
14	CLA	H	851	18	1/1/12/20	12/19/97/115	-
14	CLA	G	840	-	1/1/15/20	18/37/115/115	-
17	BCR	Z	850	-	-	4/29/63/63	0/2/2/2
14	CLA	Y	833	-	1/1/13/20	11/25/103/115	-
14	CLA	Z	818	-	1/1/15/20	13/37/115/115	-
14	CLA	G	821	-	1/1/15/20	20/37/115/115	-
14	CLA	L	202	-	1/1/15/20	13/37/115/115	-
14	CLA	B	810	-	1/1/13/20	12/25/103/115	-
14	CLA	H	826	-	1/1/15/20	9/37/115/115	-
14	CLA	G	831	-	1/1/12/20	10/19/97/115	-
14	CLA	Y	829	-	1/1/15/20	16/37/115/115	-
14	CLA	G	842	18	1/1/12/20	3/19/97/115	-
14	CLA	g	101	-	1/1/9/20	2/7/81/115	-
14	CLA	Z	816	-	1/1/11/20	5/13/91/115	-
15	PQN	B	841	-	-	8/23/43/43	0/2/2/2
14	CLA	H	812	-	1/1/11/20	6/13/91/115	-
14	CLA	J	101	8	1/1/11/20	7/13/91/115	-
14	CLA	Z	824	-	1/1/14/20	7/31/109/115	-
14	CLA	Y	802	-	1/1/15/20	8/37/115/115	-

All (5962) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	H	843	BCR	C10-C9	-9.34	1.23	1.35
17	S	1104	BCR	C10-C9	-9.19	1.23	1.35
13	G	801	CL0	MG-NA	9.08	2.27	2.06
13	A	801	CL0	MG-NA	9.06	2.27	2.06
13	Y	801	CL0	MG-NA	8.94	2.27	2.06
17	Y	849	BCR	C10-C9	-8.93	1.23	1.35
17	H	843	BCR	C11-C10	-8.80	1.16	1.43
17	h	207	BCR	C11-C10	-8.72	1.16	1.43
17	Y	849	BCR	C11-C10	-8.64	1.16	1.43
15	Y	842	PQN	C3-C2	8.61	1.50	1.35
17	S	1104	BCR	C11-C10	-8.57	1.16	1.43
17	U	1005	BCR	C11-C10	-8.57	1.16	1.43
17	Y	849	BCR	C8-C9	-8.44	1.27	1.45
17	Q	201	BCR	C11-C10	-8.42	1.17	1.43
17	d	203	BCR	C8-C9	-8.40	1.27	1.45
17	Q	201	BCR	C10-C9	-8.40	1.24	1.35
17	B	842	BCR	C11-C10	-8.38	1.17	1.43
17	G	846	BCR	C8-C9	-8.38	1.27	1.45
17	I	101	BCR	C10-C9	-8.37	1.24	1.35
17	H	844	BCR	C11-C10	-8.37	1.17	1.43
17	Z	850	BCR	C11-C10	-8.36	1.17	1.43
17	L	207	BCR	C11-C10	-8.35	1.17	1.43
17	B	842	BCR	C8-C9	-8.34	1.28	1.45
17	G	846	BCR	C11-C10	-8.31	1.17	1.43
17	H	842	BCR	C11-C10	-8.31	1.17	1.43
17	H	842	BCR	C20-C21	-8.30	1.17	1.43
17	J	104	BCR	C11-C10	-8.29	1.17	1.43
17	U	1005	BCR	C10-C9	-8.29	1.24	1.35
17	i	101	BCR	C11-C10	-8.29	1.17	1.43
17	B	846	BCR	C8-C9	-8.27	1.28	1.45
17	B	850	BCR	C11-C10	-8.27	1.17	1.43
17	B	846	BCR	C11-C10	-8.26	1.17	1.43
17	H	850	BCR	C11-C10	-8.25	1.17	1.43
17	H	844	BCR	C20-C21	-8.23	1.17	1.43
17	Y	853	BCR	C11-C10	-8.22	1.18	1.43
17	G	846	BCR	C10-C9	-8.21	1.24	1.35
17	I	102	BCR	C8-C9	-8.20	1.28	1.45
17	I	102	BCR	C11-C10	-8.19	1.18	1.43
17	M	101	BCR	C11-C10	-8.18	1.18	1.43
17	R	102	BCR	C8-C9	-8.17	1.28	1.45
17	A	851	BCR	C10-C9	-8.17	1.25	1.35
17	B	850	BCR	C10-C9	-8.16	1.25	1.35
17	S	1104	BCR	C8-C9	-8.15	1.28	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Z	843	BCR	C11-C10	-8.15	1.18	1.43
17	G	845	BCR	C20-C21	-8.12	1.18	1.43
17	F	203	BCR	C8-C9	-8.11	1.28	1.45
17	Y	847	BCR	C11-C10	-8.10	1.18	1.43
14	H	821	CLA	MG-NA	8.09	2.25	2.06
17	A	850	BCR	C11-C10	-8.04	1.18	1.43
17	F	203	BCR	C11-C10	-8.04	1.18	1.43
17	H	843	BCR	C8-C9	-8.03	1.28	1.45
17	R	102	BCR	C10-C9	-8.02	1.25	1.35
17	A	846	BCR	C11-C10	-8.02	1.18	1.43
17	F	201	BCR	C11-C10	-8.01	1.18	1.43
17	I	102	BCR	C20-C21	-7.99	1.18	1.43
17	H	842	BCR	C8-C9	-7.99	1.28	1.45
17	R	102	BCR	C20-C21	-7.99	1.18	1.43
17	S	1105	BCR	C11-C10	-7.97	1.18	1.43
17	Z	848	BCR	C8-C9	-7.97	1.28	1.45
17	I	101	BCR	C11-C10	-7.97	1.18	1.43
17	H	843	BCR	C20-C21	-7.97	1.18	1.43
17	h	207	BCR	C10-C9	-7.96	1.25	1.35
17	Y	853	BCR	C8-C9	-7.95	1.28	1.45
17	S	1105	BCR	C10-C9	-7.95	1.25	1.35
17	H	850	BCR	C8-C9	-7.94	1.28	1.45
17	A	851	BCR	C11-C10	-7.94	1.18	1.43
17	H	844	BCR	C16-C17	-7.94	1.18	1.43
17	Z	843	BCR	C20-C21	-7.93	1.18	1.43
17	H	850	BCR	C10-C9	-7.93	1.25	1.35
17	i	101	BCR	C10-C9	-7.92	1.25	1.35
17	U	1008	BCR	C20-C21	-7.92	1.18	1.43
17	Z	848	BCR	C11-C10	-7.89	1.19	1.43
17	L	207	BCR	C20-C21	-7.89	1.19	1.43
17	B	846	BCR	C10-C9	-7.89	1.25	1.35
17	Y	845	BCR	C11-C10	-7.88	1.19	1.43
17	V	101	BCR	C8-C9	-7.88	1.29	1.45
14	G	836	CLA	MG-NA	7.88	2.25	2.06
17	Z	843	BCR	C16-C17	-7.88	1.19	1.43
17	J	103	BCR	C11-C10	-7.86	1.19	1.43
14	H	835	CLA	MG-NA	7.86	2.24	2.06
17	A	849	BCR	C11-C10	-7.86	1.19	1.43
17	J	104	BCR	C16-C17	-7.86	1.19	1.43
17	Q	201	BCR	C8-C9	-7.85	1.29	1.45
14	H	819	CLA	MG-NA	7.84	2.24	2.06
14	G	814	CLA	MG-NA	7.84	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Z	843	BCR	C8-C9	-7.83	1.29	1.45
17	J	104	BCR	C20-C21	-7.83	1.19	1.43
17	Z	850	BCR	C10-C9	-7.82	1.25	1.35
14	A	815	CLA	MG-NA	7.82	2.24	2.06
17	A	846	BCR	C10-C9	-7.82	1.25	1.35
17	S	1105	BCR	C20-C21	-7.82	1.19	1.43
17	S	1105	BCR	C16-C17	-7.82	1.19	1.43
17	L	207	BCR	C8-C9	-7.81	1.29	1.45
17	i	101	BCR	C8-C9	-7.81	1.29	1.45
17	G	849	BCR	C8-C9	-7.81	1.29	1.45
17	Z	844	BCR	C20-C21	-7.81	1.19	1.43
15	G	843	PQN	C3-C2	7.80	1.49	1.35
14	Z	824	CLA	MG-NA	7.80	2.24	2.06
14	G	813	CLA	MG-NA	7.79	2.24	2.06
14	Z	829	CLA	MG-NA	7.79	2.24	2.06
17	F	201	BCR	C8-C9	-7.79	1.29	1.45
17	B	843	BCR	C11-C10	-7.78	1.19	1.43
17	H	842	BCR	C16-C17	-7.78	1.19	1.43
17	Y	845	BCR	C10-C9	-7.78	1.25	1.35
17	H	850	BCR	C20-C21	-7.78	1.19	1.43
17	A	846	BCR	C8-C9	-7.78	1.29	1.45
14	H	832	CLA	MG-NA	7.77	2.24	2.06
17	V	101	BCR	C11-C10	-7.77	1.19	1.43
14	f	102	CLA	MG-NA	7.77	2.24	2.06
15	A	844	PQN	C3-C2	7.76	1.49	1.35
17	U	1008	BCR	C11-C10	-7.76	1.19	1.43
17	U	1005	BCR	C20-C21	-7.75	1.19	1.43
14	j	102	CLA	MG-NA	7.75	2.24	2.06
17	G	848	BCR	C11-C10	-7.75	1.19	1.43
17	T	102	BCR	C11-C10	-7.74	1.19	1.43
17	G	847	BCR	C11-C10	-7.73	1.19	1.43
14	L	202	CLA	MG-NA	7.72	2.24	2.06
17	Y	853	BCR	C10-C9	-7.72	1.25	1.35
17	J	104	BCR	C8-C9	-7.72	1.29	1.45
17	A	851	BCR	C20-C21	-7.72	1.19	1.43
14	A	821	CLA	MG-NA	7.72	2.24	2.06
14	A	808	CLA	MG-NA	7.72	2.24	2.06
14	Z	804	CLA	MG-NA	7.71	2.24	2.06
15	Z	842	PQN	C3-C2	7.71	1.49	1.35
17	h	207	BCR	C16-C17	-7.71	1.19	1.43
14	X	1701	CLA	MG-NA	7.71	2.24	2.06
14	G	817	CLA	MG-NA	7.70	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	846	BCR	C20-C21	-7.70	1.19	1.43
14	A	824	CLA	MG-NA	7.70	2.24	2.06
14	Y	838	CLA	MG-NA	7.69	2.24	2.06
17	L	208	BCR	C20-C21	-7.69	1.19	1.43
17	B	844	BCR	C8-C9	-7.69	1.29	1.45
14	G	829	CLA	MG-NA	7.69	2.24	2.06
14	Y	807	CLA	MG-NA	7.69	2.24	2.06
17	A	846	BCR	C16-C17	-7.69	1.19	1.43
14	Y	812	CLA	MG-NA	7.68	2.24	2.06
17	R	101	BCR	C11-C10	-7.68	1.19	1.43
17	Y	849	BCR	C20-C21	-7.68	1.19	1.43
14	Z	809	CLA	MG-NA	7.68	2.24	2.06
17	J	104	BCR	C10-C9	-7.67	1.25	1.35
14	H	823	CLA	MG-NA	7.67	2.24	2.06
14	B	820	CLA	MG-NA	7.67	2.24	2.06
14	W	1701	CLA	MG-NA	7.67	2.24	2.06
14	G	810	CLA	MG-NA	7.67	2.24	2.06
17	G	849	BCR	C20-C21	-7.67	1.19	1.43
17	Q	203	BCR	C8-C9	-7.66	1.29	1.45
17	H	846	BCR	C11-C10	-7.66	1.19	1.43
14	H	837	CLA	MG-NA	7.66	2.24	2.06
17	S	1105	BCR	C8-C9	-7.66	1.29	1.45
14	Z	822	CLA	MG-NA	7.66	2.24	2.06
17	L	208	BCR	C16-C17	-7.66	1.19	1.43
14	A	809	CLA	MG-NA	7.66	2.24	2.06
17	A	849	BCR	C20-C21	-7.65	1.19	1.43
17	Y	846	BCR	C11-C10	-7.65	1.19	1.43
14	H	824	CLA	MG-NA	7.65	2.24	2.06
14	A	838	CLA	MG-NA	7.65	2.24	2.06
17	F	203	BCR	C10-C9	-7.64	1.25	1.35
17	Y	847	BCR	C10-C9	-7.64	1.25	1.35
17	G	846	BCR	C20-C21	-7.64	1.19	1.43
17	R	102	BCR	C11-C10	-7.64	1.19	1.43
14	Y	829	CLA	MG-NA	7.64	2.24	2.06
17	G	845	BCR	C11-C10	-7.64	1.19	1.43
14	Z	815	CLA	MG-NA	7.63	2.24	2.06
14	A	813	CLA	MG-NA	7.63	2.24	2.06
17	I	102	BCR	C10-C9	-7.63	1.25	1.35
14	B	816	CLA	MG-NA	7.63	2.24	2.06
17	Z	847	BCR	C11-C10	-7.62	1.19	1.43
17	Y	853	BCR	C16-C17	-7.62	1.19	1.43
14	Y	823	CLA	MG-NA	7.62	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	H	843	BCR	C16-C17	-7.62	1.19	1.43
17	A	850	BCR	C10-C9	-7.61	1.25	1.35
17	B	844	BCR	C11-C10	-7.61	1.19	1.43
14	A	814	CLA	MG-NA	7.60	2.24	2.06
14	Z	814	CLA	MG-NA	7.60	2.24	2.06
15	B	841	PQN	C3-C2	7.60	1.49	1.35
17	J	103	BCR	C8-C9	-7.60	1.29	1.45
14	G	824	CLA	MG-NA	7.60	2.24	2.06
17	H	845	BCR	C20-C21	-7.59	1.19	1.43
14	T	103	CLA	MG-NA	7.59	2.24	2.06
17	e	101	BCR	C20-C21	-7.59	1.19	1.43
17	B	850	BCR	C8-C9	-7.59	1.29	1.45
14	J	102	CLA	MG-NA	7.59	2.24	2.06
17	h	202	BCR	C11-C10	-7.58	1.20	1.43
14	B	830	CLA	MG-NA	7.58	2.24	2.06
17	Y	852	BCR	C11-C10	-7.57	1.20	1.43
17	A	849	BCR	C16-C17	-7.56	1.20	1.43
14	H	813	CLA	MG-NA	7.56	2.24	2.06
17	f	103	BCR	C11-C10	-7.56	1.20	1.43
17	Z	848	BCR	C10-C9	-7.56	1.25	1.35
17	Y	845	BCR	C8-C9	-7.56	1.29	1.45
17	B	842	BCR	C16-C17	-7.56	1.20	1.43
14	f	101	CLA	MG-NA	7.56	2.24	2.06
17	G	849	BCR	C11-C10	-7.56	1.20	1.43
14	Y	830	CLA	MG-NA	7.55	2.24	2.06
17	A	848	BCR	C8-C9	-7.55	1.29	1.45
17	H	844	BCR	C10-C9	-7.55	1.25	1.35
17	L	208	BCR	C11-C10	-7.55	1.20	1.43
17	H	842	BCR	C10-C9	-7.54	1.25	1.35
14	S	1102	CLA	MG-NA	7.53	2.24	2.06
17	Z	850	BCR	C16-C17	-7.53	1.20	1.43
14	G	823	CLA	MG-NA	7.53	2.24	2.06
14	A	820	CLA	MG-NA	7.53	2.24	2.06
15	H	841	PQN	C3-C2	7.53	1.49	1.35
17	Y	853	BCR	C20-C21	-7.53	1.20	1.43
14	H	826	CLA	MG-NA	7.53	2.24	2.06
14	B	838	CLA	MG-NA	7.53	2.24	2.06
14	G	835	CLA	MG-NA	7.52	2.24	2.06
14	G	825	CLA	MG-NA	7.52	2.24	2.06
17	h	207	BCR	C20-C21	-7.52	1.20	1.43
17	G	849	BCR	C10-C9	-7.51	1.25	1.35
14	G	827	CLA	MG-NA	7.51	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	f	103	BCR	C20-C21	-7.51	1.20	1.43
14	A	804	CLA	MG-NA	7.51	2.24	2.06
17	d	203	BCR	C11-C10	-7.50	1.20	1.43
17	Y	852	BCR	C20-C21	-7.50	1.20	1.43
14	Y	815	CLA	MG-NA	7.50	2.24	2.06
14	G	816	CLA	MG-NA	7.50	2.24	2.06
14	B	817	CLA	MG-NA	7.50	2.24	2.06
14	Z	807	CLA	MG-NA	7.50	2.24	2.06
14	B	835	CLA	MG-NA	7.50	2.24	2.06
14	Z	813	CLA	MG-NA	7.50	2.24	2.06
14	Y	806	CLA	MG-NA	7.49	2.24	2.06
14	d	202	CLA	MG-NA	7.49	2.24	2.06
17	M	101	BCR	C8-C9	-7.49	1.29	1.45
17	Z	843	BCR	C10-C9	-7.49	1.25	1.35
17	I	101	BCR	C8-C9	-7.49	1.29	1.45
14	B	814	CLA	MG-NA	7.48	2.24	2.06
17	Y	848	BCR	C20-C21	-7.48	1.20	1.43
17	Y	849	BCR	C16-C17	-7.48	1.20	1.43
17	Z	848	BCR	C20-C21	-7.48	1.20	1.43
14	K	102	CLA	MG-NA	7.47	2.24	2.06
14	Y	803	CLA	MG-NA	7.47	2.24	2.06
14	h	204	CLA	MG-NA	7.47	2.24	2.06
17	e	101	BCR	C11-C10	-7.47	1.20	1.43
17	F	201	BCR	C16-C17	-7.46	1.20	1.43
14	A	818	CLA	MG-NA	7.46	2.24	2.06
14	H	838	CLA	MG-NA	7.46	2.24	2.06
17	Z	850	BCR	C20-C21	-7.46	1.20	1.43
17	R	102	BCR	C16-C17	-7.46	1.20	1.43
17	Q	203	BCR	C11-C10	-7.46	1.20	1.43
17	B	842	BCR	C20-C21	-7.46	1.20	1.43
14	Z	821	CLA	MG-NA	7.46	2.24	2.06
17	G	845	BCR	C8-C9	-7.45	1.29	1.45
14	Y	839	CLA	MG-NA	7.45	2.24	2.06
17	B	844	BCR	C20-C21	-7.45	1.20	1.43
14	K	101	CLA	MG-NA	7.45	2.24	2.06
17	I	102	BCR	C16-C17	-7.44	1.20	1.43
14	Y	834	CLA	MG-NA	7.44	2.23	2.06
17	H	850	BCR	C16-C17	-7.43	1.20	1.43
14	g	101	CLA	MG-NA	7.43	2.23	2.06
14	Y	810	CLA	MG-NA	7.43	2.23	2.06
14	Z	825	CLA	MG-NA	7.43	2.23	2.06
17	F	203	BCR	C20-C21	-7.42	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	U	1009	BCR	C20-C21	-7.42	1.20	1.43
17	Z	845	BCR	C11-C10	-7.42	1.20	1.43
17	A	848	BCR	C11-C10	-7.42	1.20	1.43
14	Y	817	CLA	MG-NA	7.42	2.23	2.06
14	Y	827	CLA	MG-NA	7.41	2.23	2.06
17	F	201	BCR	C20-C21	-7.41	1.20	1.43
14	B	822	CLA	MG-NA	7.41	2.23	2.06
14	Q	202	CLA	MG-NA	7.41	2.23	2.06
14	Y	819	CLA	MG-NA	7.41	2.23	2.06
17	B	843	BCR	C8-C9	-7.41	1.30	1.45
17	Z	844	BCR	C16-C17	-7.41	1.20	1.43
14	H	815	CLA	MG-NA	7.40	2.23	2.06
14	G	809	CLA	MG-NA	7.40	2.23	2.06
14	Y	816	CLA	MG-NA	7.39	2.23	2.06
17	V	101	BCR	C10-C9	-7.39	1.26	1.35
17	Z	850	BCR	C8-C9	-7.39	1.30	1.45
14	U	1002	CLA	MG-NA	7.39	2.23	2.06
14	Y	811	CLA	MG-NA	7.39	2.23	2.06
14	B	836	CLA	MG-NA	7.39	2.23	2.06
17	B	847	BCR	C8-C9	-7.38	1.30	1.45
14	Y	835	CLA	MG-NA	7.38	2.23	2.06
14	Z	818	CLA	MG-NA	7.38	2.23	2.06
14	B	834	CLA	MG-NA	7.38	2.23	2.06
17	Y	852	BCR	C8-C9	-7.38	1.30	1.45
17	Y	846	BCR	C20-C21	-7.38	1.20	1.43
14	A	835	CLA	MG-NA	7.37	2.23	2.06
17	G	845	BCR	C16-C17	-7.37	1.20	1.43
14	G	820	CLA	MG-NA	7.37	2.23	2.06
17	Z	844	BCR	C8-C9	-7.37	1.30	1.45
14	Y	814	CLA	MG-NA	7.36	2.23	2.06
17	B	847	BCR	C11-C10	-7.36	1.20	1.43
14	Y	833	CLA	MG-NA	7.36	2.23	2.06
14	Y	825	CLA	MG-NA	7.36	2.23	2.06
14	A	826	CLA	MG-NA	7.36	2.23	2.06
17	G	847	BCR	C20-C21	-7.36	1.20	1.43
17	B	842	BCR	C10-C9	-7.36	1.26	1.35
17	Z	844	BCR	C11-C10	-7.36	1.20	1.43
17	Y	844	BCR	C8-C9	-7.36	1.30	1.45
17	M	101	BCR	C10-C9	-7.36	1.26	1.35
14	B	802	CLA	MG-NA	7.35	2.23	2.06
17	F	201	BCR	C10-C9	-7.35	1.26	1.35
14	B	803	CLA	MG-NA	7.35	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	844	BCR	C16-C17	-7.35	1.20	1.43
14	G	812	CLA	MG-NA	7.34	2.23	2.06
17	I	101	BCR	C16-C17	-7.34	1.20	1.43
14	U	1007	CLA	MG-NA	7.34	2.23	2.06
17	A	849	BCR	C8-C9	-7.33	1.30	1.45
17	Z	848	BCR	C16-C17	-7.33	1.20	1.43
17	H	844	BCR	C8-C9	-7.33	1.30	1.45
14	A	822	CLA	MG-NA	7.33	2.23	2.06
17	G	849	BCR	C16-C17	-7.32	1.20	1.43
17	Y	847	BCR	C16-C17	-7.32	1.20	1.43
17	J	103	BCR	C16-C17	-7.32	1.20	1.43
14	A	816	CLA	MG-NA	7.32	2.23	2.06
14	A	830	CLA	MG-NA	7.32	2.23	2.06
14	U	1006	CLA	MG-NA	7.31	2.23	2.06
17	U	1005	BCR	C16-C17	-7.31	1.20	1.43
17	G	847	BCR	C10-C9	-7.31	1.26	1.35
17	i	101	BCR	C16-C17	-7.31	1.20	1.43
17	A	850	BCR	C20-C21	-7.31	1.20	1.43
14	G	808	CLA	MG-NA	7.31	2.23	2.06
17	B	845	BCR	C16-C17	-7.30	1.20	1.43
17	Y	845	BCR	C20-C21	-7.30	1.20	1.43
17	Z	845	BCR	C20-C21	-7.30	1.20	1.43
14	G	807	CLA	MG-NA	7.30	2.23	2.06
17	H	846	BCR	C20-C21	-7.30	1.20	1.43
14	G	815	CLA	MG-NA	7.29	2.23	2.06
17	G	847	BCR	C8-C9	-7.29	1.30	1.45
17	Z	847	BCR	C8-C9	-7.29	1.30	1.45
14	A	836	CLA	MG-NA	7.29	2.23	2.06
14	H	805	CLA	MG-NA	7.29	2.23	2.06
14	Z	811	CLA	MG-NA	7.28	2.23	2.06
14	B	823	CLA	MG-NA	7.28	2.23	2.06
14	A	837	CLA	MG-NA	7.28	2.23	2.06
14	Z	836	CLA	MG-NA	7.28	2.23	2.06
17	U	1008	BCR	C8-C9	-7.28	1.30	1.45
14	B	806	CLA	MG-NA	7.28	2.23	2.06
17	B	843	BCR	C16-C17	-7.28	1.20	1.43
14	Z	841	CLA	MG-NA	7.27	2.23	2.06
17	Q	201	BCR	C16-C17	-7.27	1.20	1.43
14	H	812	CLA	MG-NA	7.27	2.23	2.06
17	Z	846	BCR	C20-C21	-7.27	1.20	1.43
17	S	1104	BCR	C16-C17	-7.27	1.20	1.43
17	f	103	BCR	C16-C17	-7.27	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	839	CLA	MG-NA	7.27	2.23	2.06
14	Y	836	CLA	MG-NA	7.27	2.23	2.06
14	A	828	CLA	MG-NA	7.26	2.23	2.06
14	H	834	CLA	MG-NA	7.26	2.23	2.06
14	A	817	CLA	MG-NA	7.26	2.23	2.06
14	T	101	CLA	MG-NA	7.25	2.23	2.06
14	A	805	CLA	MG-NA	7.25	2.23	2.06
14	Y	837	CLA	MG-NA	7.25	2.23	2.06
14	B	839	CLA	MG-NA	7.24	2.23	2.06
14	Y	813	CLA	MG-NA	7.23	2.23	2.06
14	g	102	CLA	MG-NA	7.23	2.23	2.06
17	H	847	BCR	C11-C10	-7.23	1.21	1.43
14	S	1101	CLA	MG-NA	7.22	2.23	2.06
14	Y	818	CLA	MG-NA	7.22	2.23	2.06
17	H	847	BCR	C16-C17	-7.22	1.21	1.43
17	Y	848	BCR	C11-C10	-7.22	1.21	1.43
17	B	844	BCR	C10-C9	-7.22	1.26	1.35
17	R	101	BCR	C20-C21	-7.21	1.21	1.43
14	G	826	CLA	MG-NA	7.21	2.23	2.06
14	S	1103	CLA	MG-NA	7.21	2.23	2.06
17	G	846	BCR	C16-C17	-7.21	1.21	1.43
14	Z	834	CLA	MG-NA	7.21	2.23	2.06
17	G	848	BCR	C16-C17	-7.21	1.21	1.43
17	A	847	BCR	C11-C10	-7.21	1.21	1.43
14	G	832	CLA	MG-NA	7.20	2.23	2.06
14	Z	826	CLA	MG-NA	7.20	2.23	2.06
17	B	843	BCR	C20-C21	-7.20	1.21	1.43
14	J	101	CLA	MG-NA	7.20	2.23	2.06
14	H	806	CLA	MG-NA	7.20	2.23	2.06
14	B	810	CLA	MG-NA	7.19	2.23	2.06
14	Y	832	CLA	MG-NA	7.19	2.23	2.06
17	H	847	BCR	C20-C21	-7.19	1.21	1.43
14	A	843	CLA	MG-NA	7.19	2.23	2.06
17	Y	844	BCR	C11-C10	-7.19	1.21	1.43
17	A	848	BCR	C16-C17	-7.18	1.21	1.43
14	G	839	CLA	MG-NA	7.18	2.23	2.06
17	G	848	BCR	C20-C21	-7.18	1.21	1.43
14	G	811	CLA	MG-NA	7.17	2.23	2.06
14	Z	837	CLA	MG-NA	7.17	2.23	2.06
14	Z	828	CLA	MG-NA	7.17	2.23	2.06
17	Y	847	BCR	C8-C9	-7.16	1.30	1.45
14	A	807	CLA	MG-NA	7.16	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Z	845	BCR	C8-C9	-7.16	1.30	1.45
17	M	101	BCR	C16-C17	-7.16	1.21	1.43
17	Q	201	BCR	C20-C21	-7.16	1.21	1.43
14	H	816	CLA	MG-NA	7.16	2.23	2.06
14	Y	802	CLA	MG-NA	7.16	2.23	2.06
14	A	840	CLA	MG-NA	7.15	2.23	2.06
14	G	833	CLA	MG-NA	7.15	2.23	2.06
17	A	850	BCR	C8-C9	-7.15	1.30	1.45
17	B	850	BCR	C20-C21	-7.15	1.21	1.43
14	L	201	CLA	MG-NA	7.15	2.23	2.06
14	G	838	CLA	MG-NA	7.14	2.23	2.06
17	A	848	BCR	C20-C21	-7.14	1.21	1.43
17	L	207	BCR	C16-C17	-7.14	1.21	1.43
14	B	827	CLA	MG-NA	7.13	2.23	2.06
17	A	851	BCR	C16-C17	-7.13	1.21	1.43
14	G	822	CLA	MG-NA	7.13	2.23	2.06
14	G	819	CLA	MG-NA	7.13	2.23	2.06
17	B	846	BCR	C16-C17	-7.13	1.21	1.43
14	B	819	CLA	MG-NA	7.13	2.23	2.06
17	J	103	BCR	C20-C21	-7.12	1.21	1.43
14	B	821	CLA	MG-NA	7.12	2.23	2.06
17	A	847	BCR	C20-C21	-7.12	1.21	1.43
14	A	841	CLA	MG-NA	7.12	2.23	2.06
14	L	204	CLA	MG-NA	7.12	2.23	2.06
14	Z	840	CLA	MG-NA	7.11	2.23	2.06
17	Z	847	BCR	C20-C21	-7.10	1.21	1.43
14	B	825	CLA	MG-NA	7.10	2.23	2.06
17	S	1104	BCR	C20-C21	-7.10	1.21	1.43
14	Z	817	CLA	MG-NA	7.10	2.23	2.06
14	B	811	CLA	MG-NA	7.10	2.23	2.06
14	G	840	CLA	MG-NA	7.09	2.23	2.06
17	d	203	BCR	C20-C21	-7.09	1.21	1.43
14	H	830	CLA	MG-NA	7.08	2.23	2.06
14	A	810	CLA	MG-NA	7.08	2.23	2.06
14	H	851	CLA	MG-NA	7.08	2.23	2.06
17	Y	844	BCR	C16-C17	-7.08	1.21	1.43
14	H	814	CLA	MG-NA	7.08	2.23	2.06
17	U	1008	BCR	C10-C9	-7.08	1.26	1.35
17	G	848	BCR	C8-C9	-7.08	1.30	1.45
14	Y	824	CLA	MG-NA	7.07	2.23	2.06
14	H	801	CLA	MG-NA	7.07	2.23	2.06
14	A	829	CLA	MG-NA	7.07	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	G	847	BCR	C16-C17	-7.07	1.21	1.43
17	A	850	BCR	C16-C17	-7.06	1.21	1.43
14	Y	809	CLA	MG-NA	7.06	2.23	2.06
17	Y	852	BCR	C16-C17	-7.06	1.21	1.43
14	B	832	CLA	MG-NA	7.06	2.23	2.06
14	G	834	CLA	MG-NA	7.06	2.23	2.06
17	H	845	BCR	C16-C17	-7.05	1.21	1.43
17	U	1009	BCR	C11-C10	-7.05	1.21	1.43
14	Y	826	CLA	MG-NA	7.05	2.23	2.06
14	Z	803	CLA	MG-NA	7.04	2.23	2.06
14	H	808	CLA	MG-NA	7.04	2.23	2.06
14	H	828	CLA	MG-NA	7.04	2.23	2.06
14	Y	822	CLA	MG-NA	7.04	2.23	2.06
17	B	847	BCR	C16-C17	-7.03	1.21	1.43
14	Z	831	CLA	MG-NA	7.03	2.23	2.06
14	B	818	CLA	MG-NA	7.03	2.23	2.06
14	B	831	CLA	MG-NA	7.03	2.23	2.06
17	Y	844	BCR	C20-C21	-7.02	1.21	1.43
17	Y	845	BCR	C16-C17	-7.02	1.21	1.43
14	A	825	CLA	MG-NA	7.02	2.22	2.06
17	I	101	BCR	C20-C21	-7.01	1.21	1.43
14	G	805	CLA	MG-NA	7.01	2.22	2.06
17	h	207	BCR	C8-C9	-7.01	1.30	1.45
14	H	840	CLA	MG-NA	7.01	2.22	2.06
14	G	837	CLA	MG-NA	7.00	2.22	2.06
14	Z	802	CLA	MG-NA	7.00	2.22	2.06
14	H	802	CLA	MG-NA	7.00	2.22	2.06
17	Y	847	BCR	C20-C21	-7.00	1.21	1.43
14	Z	833	CLA	MG-NA	7.00	2.22	2.06
17	Z	847	BCR	C16-C17	-7.00	1.21	1.43
14	Z	835	CLA	MG-NA	6.99	2.22	2.06
17	A	849	BCR	C10-C9	-6.99	1.26	1.35
14	Y	820	CLA	MG-NA	6.98	2.22	2.06
17	H	846	BCR	C16-C17	-6.98	1.21	1.43
14	H	825	CLA	MG-NA	6.98	2.22	2.06
17	B	850	BCR	C16-C17	-6.98	1.21	1.43
14	G	806	CLA	MG-NA	6.98	2.22	2.06
17	h	202	BCR	C20-C21	-6.97	1.21	1.43
14	A	823	CLA	MG-NA	6.97	2.22	2.06
17	Y	848	BCR	C16-C17	-6.97	1.21	1.43
14	Z	812	CLA	MG-NA	6.96	2.22	2.06
14	G	818	CLA	MG-NA	6.96	2.22	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	851	BCR	C8-C9	-6.96	1.31	1.45
17	U	1005	BCR	C8-C9	-6.95	1.31	1.45
14	G	804	CLA	MG-NA	6.94	2.22	2.06
14	A	832	CLA	MG-NA	6.94	2.22	2.06
17	H	846	BCR	C8-C9	-6.94	1.31	1.45
14	A	831	CLA	MG-NA	6.93	2.22	2.06
17	Z	846	BCR	C16-C17	-6.93	1.22	1.43
17	B	845	BCR	C20-C21	-6.93	1.22	1.43
14	H	809	CLA	MG-NA	6.93	2.22	2.06
14	B	829	CLA	MG-NA	6.93	2.22	2.06
14	h	201	CLA	MG-NA	6.93	2.22	2.06
14	Z	806	CLA	MG-NA	6.92	2.22	2.06
14	B	807	CLA	MG-NA	6.92	2.22	2.06
17	Z	845	BCR	C16-C17	-6.92	1.22	1.43
14	B	809	CLA	MG-NA	6.92	2.22	2.06
17	F	203	BCR	C16-C17	-6.92	1.22	1.43
17	T	102	BCR	C8-C9	-6.91	1.31	1.45
14	B	808	CLA	MG-NA	6.91	2.22	2.06
14	B	837	CLA	MG-NA	6.91	2.22	2.06
14	B	833	CLA	MG-NA	6.91	2.22	2.06
14	Y	841	CLA	MG-NA	6.91	2.22	2.06
14	H	818	CLA	MG-NA	6.91	2.22	2.06
14	H	804	CLA	MG-NA	6.91	2.22	2.06
14	A	854	CLA	MG-NA	6.90	2.22	2.06
14	H	822	CLA	MG-NA	6.90	2.22	2.06
14	A	811	CLA	MG-NA	6.90	2.22	2.06
14	B	828	CLA	MG-NA	6.89	2.22	2.06
17	M	101	BCR	C20-C21	-6.89	1.22	1.43
14	G	841	CLA	MG-NA	6.88	2.22	2.06
17	B	843	BCR	C10-C9	-6.88	1.26	1.35
14	B	824	CLA	MG-NA	6.88	2.22	2.06
14	A	819	CLA	MG-NA	6.88	2.22	2.06
17	d	203	BCR	C16-C17	-6.88	1.22	1.43
14	A	827	CLA	MG-NA	6.88	2.22	2.06
14	Z	839	CLA	MG-NA	6.87	2.22	2.06
17	Q	203	BCR	C20-C21	-6.87	1.22	1.43
14	H	836	CLA	MG-NA	6.87	2.22	2.06
14	Y	840	CLA	MG-NA	6.87	2.22	2.06
14	G	828	CLA	MG-NA	6.87	2.22	2.06
14	Y	831	CLA	MG-NA	6.86	2.22	2.06
17	e	101	BCR	C8-C9	-6.86	1.31	1.45
17	i	101	BCR	C20-C21	-6.86	1.22	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	816	CLA	MG-NA	6.86	2.22	2.06
17	V	101	BCR	C20-C21	-6.86	1.22	1.43
14	H	839	CLA	MG-NA	6.86	2.22	2.06
17	Y	846	BCR	C8-C9	-6.85	1.31	1.45
14	A	812	CLA	MG-NA	6.85	2.22	2.06
14	G	830	CLA	MG-NA	6.84	2.22	2.06
14	Z	823	CLA	MG-NA	6.83	2.22	2.06
14	Y	828	CLA	MG-NA	6.83	2.22	2.06
14	H	810	CLA	MG-NA	6.82	2.22	2.06
17	R	101	BCR	C8-C9	-6.82	1.31	1.45
17	V	101	BCR	C16-C17	-6.82	1.22	1.43
17	e	101	BCR	C16-C17	-6.81	1.22	1.43
14	Z	820	CLA	MG-NA	6.81	2.22	2.06
14	A	803	CLA	MG-NA	6.80	2.22	2.06
17	d	203	BCR	C10-C9	-6.80	1.26	1.35
17	T	102	BCR	C20-C21	-6.79	1.22	1.43
14	H	820	CLA	MG-NA	6.79	2.22	2.06
17	Y	846	BCR	C10-C9	-6.79	1.26	1.35
14	Z	819	CLA	MG-NA	6.79	2.22	2.06
14	Z	810	CLA	MG-NA	6.79	2.22	2.06
14	F	202	CLA	MG-NA	6.78	2.22	2.06
14	G	831	CLA	MG-NA	6.78	2.22	2.06
14	H	831	CLA	MG-NA	6.77	2.22	2.06
14	Y	805	CLA	MG-NA	6.77	2.22	2.06
14	Y	804	CLA	MG-NA	6.77	2.22	2.06
14	Y	821	CLA	MG-NA	6.77	2.22	2.06
14	G	802	CLA	MG-NA	6.76	2.22	2.06
17	f	103	BCR	C8-C9	-6.74	1.31	1.45
14	A	833	CLA	MG-NA	6.74	2.22	2.06
14	G	842	CLA	MG-NA	6.73	2.22	2.06
17	h	202	BCR	C8-C9	-6.73	1.31	1.45
14	Z	832	CLA	MG-NA	6.72	2.22	2.06
14	H	833	CLA	MG-NA	6.72	2.22	2.06
14	B	815	CLA	MG-NA	6.71	2.22	2.06
14	Z	801	CLA	MG-NA	6.71	2.22	2.06
14	B	826	CLA	MG-NA	6.71	2.22	2.06
14	H	811	CLA	MG-NA	6.71	2.22	2.06
14	H	829	CLA	O2D-CGD	6.71	1.49	1.33
14	B	812	CLA	MG-NA	6.69	2.22	2.06
14	B	801	CLA	MG-NA	6.69	2.22	2.06
14	H	829	CLA	MG-NA	6.69	2.22	2.06
17	U	1009	BCR	C16-C17	-6.68	1.22	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	J	103	BCR	C10-C9	-6.68	1.26	1.35
17	T	102	BCR	C16-C17	-6.66	1.22	1.43
14	d	201	CLA	MG-NA	6.66	2.22	2.06
17	U	1009	BCR	C8-C9	-6.66	1.31	1.45
14	U	1004	CLA	MG-NA	6.66	2.22	2.06
14	H	803	CLA	MG-NA	6.66	2.22	2.06
14	h	205	CLA	MG-NA	6.65	2.22	2.06
14	Z	827	CLA	MG-NA	6.64	2.22	2.06
17	A	847	BCR	C16-C17	-6.64	1.22	1.43
17	A	847	BCR	C8-C9	-6.64	1.31	1.45
14	B	805	CLA	MG-NA	6.64	2.22	2.06
14	A	802	CLA	MG-NA	6.64	2.22	2.06
14	Z	808	CLA	MG-NA	6.63	2.22	2.06
17	Y	848	BCR	C10-C9	-6.62	1.27	1.35
17	U	1008	BCR	C16-C17	-6.61	1.23	1.43
17	R	101	BCR	C10-C9	-6.61	1.27	1.35
14	G	852	CLA	MG-NA	6.61	2.22	2.06
14	H	817	CLA	MG-NA	6.60	2.21	2.06
17	L	207	BCR	C10-C9	-6.60	1.27	1.35
17	Q	203	BCR	C16-C17	-6.59	1.23	1.43
17	B	847	BCR	C20-C21	-6.58	1.23	1.43
17	G	848	BCR	C10-C9	-6.57	1.27	1.35
17	R	101	BCR	C16-C17	-6.56	1.23	1.43
14	G	803	CLA	MG-NA	6.56	2.21	2.06
17	T	102	BCR	C10-C9	-6.56	1.27	1.35
17	f	103	BCR	C10-C9	-6.55	1.27	1.35
14	A	842	CLA	MG-NA	6.55	2.21	2.06
17	B	846	BCR	C20-C21	-6.55	1.23	1.43
14	Z	830	CLA	MG-NA	6.54	2.21	2.06
17	h	202	BCR	C16-C17	-6.54	1.23	1.43
14	Y	808	CLA	MG-NA	6.53	2.21	2.06
14	G	853	CLA	MG-NA	6.52	2.21	2.06
17	A	848	BCR	C10-C9	-6.51	1.27	1.35
14	H	827	CLA	MG-NA	6.48	2.21	2.06
17	Y	848	BCR	C8-C9	-6.48	1.32	1.45
17	Y	846	BCR	C16-C17	-6.48	1.23	1.43
14	A	834	CLA	MG-NA	6.47	2.21	2.06
17	e	101	BCR	C10-C9	-6.42	1.27	1.35
14	B	813	CLA	MG-NA	6.41	2.21	2.06
17	L	208	BCR	C8-C9	-6.41	1.32	1.45
14	G	821	CLA	MG-NA	6.41	2.21	2.06
14	Z	838	CLA	MG-NA	6.41	2.21	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	805	CLA	MG-NA	6.40	2.21	2.06
17	H	847	BCR	C8-C9	-6.37	1.32	1.45
14	H	807	CLA	MG-NA	6.37	2.21	2.06
17	L	208	BCR	C10-C9	-6.33	1.27	1.35
14	H	810	CLA	O2D-CGD	6.31	1.48	1.33
17	B	847	BCR	C10-C9	-6.27	1.27	1.35
14	H	814	CLA	O2A-C1	6.22	1.63	1.46
14	G	808	CLA	CHC-C1C	6.22	1.50	1.35
14	h	204	CLA	O2A-C1	6.20	1.63	1.46
14	L	206	CLA	MG-NA	6.18	2.21	2.06
14	B	812	CLA	O2D-CGD	6.18	1.48	1.33
17	Z	844	BCR	C10-C9	-6.18	1.27	1.35
14	B	823	CLA	C3B-C2B	6.17	1.48	1.40
17	G	845	BCR	C10-C9	-6.16	1.27	1.35
14	B	840	CLA	MG-NA	6.16	2.20	2.06
17	Y	852	BCR	C10-C9	-6.15	1.27	1.35
17	Z	847	BCR	C10-C9	-6.15	1.27	1.35
17	A	847	BCR	C10-C9	-6.13	1.27	1.35
14	U	1003	CLA	MG-NA	6.12	2.20	2.06
17	Q	203	BCR	C10-C9	-6.08	1.27	1.35
14	A	806	CLA	MG-NA	6.08	2.20	2.06
14	L	205	CLA	MG-NA	6.07	2.20	2.06
14	G	833	CLA	O2A-C1	6.06	1.63	1.46
17	H	846	BCR	C10-C9	-6.05	1.27	1.35
14	B	804	CLA	MG-NA	6.04	2.20	2.06
14	A	809	CLA	CHC-C1C	5.98	1.50	1.35
14	H	826	CLA	O2D-CGD	5.97	1.47	1.33
14	B	838	CLA	CHC-C1C	5.97	1.50	1.35
14	H	837	CLA	CHC-C1C	5.96	1.50	1.35
14	G	841	CLA	C3B-C2B	5.96	1.48	1.40
14	Y	824	CLA	O2D-CGD	5.93	1.47	1.33
14	Z	839	CLA	O2D-CGD	5.92	1.47	1.33
14	Y	818	CLA	O2A-C1	5.91	1.62	1.46
14	G	821	CLA	CHC-C1C	5.90	1.50	1.35
14	H	813	CLA	O2D-CGD	5.90	1.47	1.33
14	H	824	CLA	O2A-C1	5.90	1.62	1.46
14	Y	839	CLA	O2A-C1	5.88	1.62	1.46
14	h	206	CLA	MG-NA	5.88	2.20	2.06
14	B	807	CLA	O2A-C1	5.88	1.62	1.46
14	Y	824	CLA	CHC-C1C	5.88	1.50	1.35
14	H	821	CLA	CHD-C1D	5.87	1.49	1.38
14	h	205	CLA	C3B-C2B	5.87	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	815	CLA	CHC-C1C	5.86	1.50	1.35
14	A	837	CLA	CHC-C1C	5.86	1.50	1.35
14	G	827	CLA	O2D-CGD	5.81	1.47	1.33
14	B	825	CLA	C3B-C2B	5.79	1.48	1.40
14	G	809	CLA	CHC-C1C	5.79	1.49	1.35
14	Y	817	CLA	CHC-C1C	5.79	1.49	1.35
14	Y	828	CLA	CHC-C1C	5.78	1.49	1.35
14	J	101	CLA	O2D-CGD	5.77	1.47	1.33
14	H	824	CLA	C3B-C2B	5.75	1.48	1.40
14	h	206	CLA	O2A-C1	5.74	1.62	1.46
14	Z	825	CLA	O2A-C1	5.74	1.62	1.46
14	A	804	CLA	C3B-C2B	5.74	1.48	1.40
14	H	830	CLA	CHC-C1C	5.74	1.49	1.35
14	G	821	CLA	O2D-CGD	5.74	1.47	1.33
14	Z	811	CLA	O2D-CGD	5.73	1.47	1.33
14	B	828	CLA	O2D-CGD	5.72	1.47	1.33
14	G	839	CLA	O2D-CGD	5.71	1.47	1.33
14	H	840	CLA	O2A-C1	5.71	1.62	1.46
14	G	840	CLA	O2D-CGD	5.71	1.47	1.33
14	Z	840	CLA	O2D-CGD	5.71	1.47	1.33
14	g	102	CLA	CHC-C1C	5.70	1.49	1.35
14	Z	822	CLA	O2D-CGD	5.70	1.47	1.33
14	G	813	CLA	O2D-CGD	5.70	1.47	1.33
14	Z	806	CLA	O2D-CGD	5.70	1.47	1.33
14	X	1701	CLA	C3B-C2B	5.70	1.48	1.40
14	Y	823	CLA	CHC-C1C	5.69	1.49	1.35
14	G	804	CLA	O2A-C1	5.69	1.62	1.46
14	H	816	CLA	O2A-C1	5.69	1.62	1.46
14	G	828	CLA	O2D-CGD	5.69	1.47	1.33
14	H	835	CLA	CHC-C1C	5.69	1.49	1.35
14	A	840	CLA	O2D-CGD	5.69	1.47	1.33
14	Z	812	CLA	O2D-CGD	5.68	1.47	1.33
14	B	834	CLA	CHC-C1C	5.68	1.49	1.35
14	A	841	CLA	O2A-C1	5.68	1.62	1.46
14	G	838	CLA	O2D-CGD	5.68	1.47	1.33
14	A	835	CLA	CHC-C1C	5.68	1.49	1.35
14	G	824	CLA	O2D-CGD	5.67	1.47	1.33
14	Z	815	CLA	O2A-C1	5.67	1.62	1.46
14	G	802	CLA	O2D-CGD	5.66	1.47	1.33
14	Y	810	CLA	CHC-C1C	5.66	1.49	1.35
14	A	854	CLA	O2A-C1	5.66	1.62	1.46
14	B	811	CLA	O2A-C1	5.65	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	836	CLA	CHC-C1C	5.65	1.49	1.35
14	B	827	CLA	CHC-C1C	5.65	1.49	1.35
14	A	819	CLA	O2A-C1	5.65	1.62	1.46
14	Z	837	CLA	CHC-C1C	5.64	1.49	1.35
14	L	201	CLA	C3B-C2B	5.64	1.48	1.40
14	Y	835	CLA	O2A-C1	5.63	1.62	1.46
14	B	839	CLA	CHC-C1C	5.63	1.49	1.35
14	G	811	CLA	O2A-C1	5.63	1.62	1.46
14	Z	822	CLA	C3B-C2B	5.62	1.48	1.40
14	Z	835	CLA	CHC-C1C	5.62	1.49	1.35
14	A	816	CLA	CHC-C1C	5.61	1.49	1.35
17	Y	844	BCR	C10-C9	-5.61	1.28	1.35
14	A	840	CLA	O2A-C1	5.61	1.62	1.46
14	B	809	CLA	O2D-CGD	5.61	1.46	1.33
14	Y	802	CLA	O2D-CGD	5.60	1.46	1.33
14	Z	838	CLA	O2D-CGD	5.60	1.46	1.33
15	Z	842	PQN	C10-C5	5.60	1.50	1.40
14	H	811	CLA	CHC-C1C	5.60	1.49	1.35
14	G	808	CLA	O2D-CGD	5.59	1.46	1.33
14	Y	811	CLA	CHC-C1C	5.59	1.49	1.35
14	J	101	CLA	CHC-C1C	5.59	1.49	1.35
14	A	836	CLA	O2A-C1	5.59	1.61	1.46
17	h	202	BCR	C10-C9	-5.58	1.28	1.35
14	Z	823	CLA	O2D-CGD	5.58	1.46	1.33
18	Y	851	LHG	O7-C7	5.58	1.47	1.35
14	A	811	CLA	O2D-CGD	5.57	1.46	1.33
14	B	813	CLA	O2A-C1	5.57	1.61	1.46
14	G	817	CLA	CHC-C1C	5.57	1.49	1.35
14	f	101	CLA	CHC-C1C	5.57	1.49	1.35
14	H	851	CLA	O2A-C1	5.57	1.61	1.46
17	H	847	BCR	C10-C9	-5.57	1.28	1.35
14	H	816	CLA	O2D-CGD	5.56	1.46	1.33
14	B	814	CLA	CHC-C1C	5.56	1.49	1.35
14	Z	821	CLA	O2D-CGD	5.56	1.46	1.33
14	Y	838	CLA	CHD-C1D	5.55	1.49	1.38
14	Y	837	CLA	O2D-CGD	5.55	1.46	1.33
14	Y	815	CLA	CHC-C1C	5.55	1.49	1.35
14	Y	820	CLA	O2D-CGD	5.55	1.46	1.33
14	L	205	CLA	CHC-C1C	5.54	1.49	1.35
14	G	824	CLA	CHC-C1C	5.54	1.49	1.35
14	Y	834	CLA	CHC-C1C	5.53	1.49	1.35
14	H	825	CLA	O2D-CGD	5.53	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	814	CLA	O2A-C1	5.53	1.61	1.46
14	A	825	CLA	CHC-C1C	5.53	1.49	1.35
14	Y	827	CLA	CHC-C1C	5.52	1.49	1.35
14	T	101	CLA	CHC-C1C	5.52	1.49	1.35
14	B	818	CLA	O2A-C1	5.52	1.61	1.46
14	A	839	CLA	CHC-C1C	5.52	1.49	1.35
14	U	1007	CLA	CHC-C1C	5.52	1.49	1.35
14	Y	821	CLA	CHC-C1C	5.52	1.49	1.35
14	U	1006	CLA	O2D-CGD	5.52	1.46	1.33
14	Y	804	CLA	O2D-CGD	5.52	1.46	1.33
14	Z	825	CLA	O2D-CGD	5.52	1.46	1.33
14	Y	823	CLA	O2A-C1	5.51	1.61	1.46
14	Y	820	CLA	CHC-C1C	5.51	1.49	1.35
14	Y	817	CLA	O2D-CGD	5.51	1.46	1.33
14	Z	829	CLA	O2A-C1	5.51	1.61	1.46
14	Z	827	CLA	O2D-CGD	5.50	1.46	1.33
14	S	1103	CLA	O2D-CGD	5.50	1.46	1.33
14	Z	805	CLA	C3B-C2B	5.50	1.48	1.40
14	Z	825	CLA	C3B-C2B	5.50	1.48	1.40
14	A	802	CLA	O2A-C1	5.50	1.61	1.46
14	f	102	CLA	O2A-C1	5.50	1.61	1.46
14	H	804	CLA	CHC-C1C	5.50	1.49	1.35
14	A	818	CLA	CHC-C1C	5.49	1.49	1.35
14	B	813	CLA	O2D-CGD	5.49	1.46	1.33
14	B	836	CLA	O2D-CGD	5.49	1.46	1.33
14	U	1007	CLA	O2D-CGD	5.49	1.46	1.33
14	H	839	CLA	CHC-C1C	5.49	1.49	1.35
14	h	204	CLA	CHC-C1C	5.49	1.49	1.35
14	Y	814	CLA	CHC-C1C	5.49	1.49	1.35
14	Z	827	CLA	C3B-C2B	5.49	1.48	1.40
14	A	804	CLA	CHD-C1D	5.49	1.49	1.38
14	Z	821	CLA	CHC-C1C	5.49	1.49	1.35
14	H	815	CLA	CHC-C1C	5.49	1.49	1.35
14	J	102	CLA	O2D-CGD	5.48	1.46	1.33
14	B	822	CLA	CHC-C1C	5.48	1.49	1.35
14	A	810	CLA	O2A-C1	5.48	1.61	1.46
14	B	812	CLA	C3B-C2B	5.48	1.48	1.40
14	A	814	CLA	O2D-CGD	5.48	1.46	1.33
14	g	102	CLA	O2D-CGD	5.48	1.46	1.33
14	G	806	CLA	C3B-C2B	5.48	1.48	1.40
14	A	822	CLA	CHC-C1C	5.48	1.49	1.35
14	H	802	CLA	O2A-C1	5.48	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	818	CLA	O2A-C1	5.48	1.61	1.46
14	G	839	CLA	CHC-C1C	5.48	1.49	1.35
14	H	805	CLA	O2D-CGD	5.47	1.46	1.33
14	X	1701	CLA	CHC-C1C	5.47	1.49	1.35
14	H	803	CLA	O2D-CGD	5.47	1.46	1.33
14	A	836	CLA	CHC-C1C	5.47	1.49	1.35
14	A	825	CLA	O2D-CGD	5.47	1.46	1.33
14	H	836	CLA	O2D-CGD	5.47	1.46	1.33
14	G	826	CLA	O2D-CGD	5.47	1.46	1.33
14	Y	813	CLA	O2A-C1	5.47	1.61	1.46
14	Y	835	CLA	CHC-C1C	5.46	1.49	1.35
14	G	839	CLA	CHD-C1D	5.46	1.49	1.38
14	Z	806	CLA	C3B-C2B	5.46	1.47	1.40
14	A	820	CLA	CHC-C1C	5.46	1.49	1.35
17	Z	845	BCR	C10-C9	-5.46	1.28	1.35
14	B	819	CLA	C3B-C2B	5.46	1.47	1.40
14	G	828	CLA	CHC-C1C	5.45	1.49	1.35
14	Y	810	CLA	C3B-C2B	5.45	1.47	1.40
14	G	853	CLA	C3B-C2B	5.45	1.47	1.40
14	A	834	CLA	CHC-C1C	5.45	1.48	1.35
14	U	1003	CLA	O2D-CGD	5.45	1.46	1.33
14	A	824	CLA	O2D-CGD	5.45	1.46	1.33
14	K	101	CLA	CHC-C1C	5.45	1.48	1.35
14	B	811	CLA	CHD-C1D	5.45	1.49	1.38
14	B	834	CLA	O2D-CGD	5.45	1.46	1.33
14	Z	835	CLA	CHD-C1D	5.44	1.49	1.38
14	d	202	CLA	CHC-C1C	5.44	1.48	1.35
14	Y	811	CLA	O2D-CGD	5.44	1.46	1.33
14	A	824	CLA	O2A-C1	5.44	1.61	1.46
14	A	820	CLA	O2A-C1	5.44	1.61	1.46
14	H	804	CLA	O2D-CGD	5.44	1.46	1.33
14	H	812	CLA	O2D-CGD	5.44	1.46	1.33
14	G	812	CLA	CHC-C1C	5.44	1.48	1.35
14	B	838	CLA	CHD-C1D	5.43	1.48	1.38
14	Z	802	CLA	O2A-C1	5.43	1.61	1.46
14	G	814	CLA	CHC-C1C	5.43	1.48	1.35
14	Z	813	CLA	O2D-CGD	5.43	1.46	1.33
14	G	840	CLA	CHC-C1C	5.43	1.48	1.35
14	Z	834	CLA	O2D-CGD	5.43	1.46	1.33
14	B	826	CLA	O2A-C1	5.43	1.61	1.46
14	H	807	CLA	CHC-C1C	5.42	1.48	1.35
14	G	807	CLA	CHC-C1C	5.42	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	828	CLA	CHC-C1C	5.42	1.48	1.35
14	A	810	CLA	CHC-C1C	5.42	1.48	1.35
14	B	809	CLA	O2A-C1	5.42	1.61	1.46
14	Y	807	CLA	CHC-C1C	5.42	1.48	1.35
14	A	817	CLA	O2D-CGD	5.42	1.46	1.33
14	L	204	CLA	CHC-C1C	5.42	1.48	1.35
14	G	815	CLA	O2A-C1	5.41	1.61	1.46
14	Y	811	CLA	O2A-C1	5.41	1.61	1.46
14	Z	803	CLA	O2D-CGD	5.41	1.46	1.33
14	L	202	CLA	O2D-CGD	5.41	1.46	1.33
14	G	802	CLA	O2A-C1	5.41	1.61	1.46
14	A	836	CLA	O2D-CGD	5.41	1.46	1.33
14	Y	806	CLA	CHC-C1C	5.41	1.48	1.35
14	G	810	CLA	O2D-CGD	5.41	1.46	1.33
14	A	838	CLA	O2D-CGD	5.40	1.46	1.33
14	H	815	CLA	O2D-CGD	5.40	1.46	1.33
14	A	806	CLA	CHC-C1C	5.40	1.48	1.35
14	B	822	CLA	O2D-CGD	5.40	1.46	1.33
14	H	813	CLA	CHC-C1C	5.40	1.48	1.35
14	Z	819	CLA	CHD-C1D	5.40	1.48	1.38
14	G	831	CLA	CHC-C1C	5.39	1.48	1.35
14	H	811	CLA	O2D-CGD	5.39	1.46	1.33
14	G	836	CLA	CHD-C1D	5.39	1.48	1.38
14	G	835	CLA	O2D-CGD	5.39	1.46	1.33
14	d	202	CLA	O2D-CGD	5.39	1.46	1.33
14	H	851	CLA	O2D-CGD	5.39	1.46	1.33
14	Y	803	CLA	C3B-C2B	5.39	1.47	1.40
14	J	102	CLA	O2A-C1	5.39	1.61	1.46
14	g	101	CLA	CHC-C1C	5.38	1.48	1.35
14	B	817	CLA	CHC-C1C	5.38	1.48	1.35
14	G	820	CLA	CHC-C1C	5.38	1.48	1.35
14	G	816	CLA	O2D-CGD	5.38	1.46	1.33
14	A	821	CLA	O2D-CGD	5.38	1.46	1.33
14	H	818	CLA	O2D-CGD	5.38	1.46	1.33
14	Y	833	CLA	CHC-C1C	5.38	1.48	1.35
14	L	204	CLA	O2D-CGD	5.37	1.46	1.33
14	Z	804	CLA	CHC-C1C	5.37	1.48	1.35
14	A	830	CLA	O2D-CGD	5.37	1.46	1.33
14	G	834	CLA	C3B-C2B	5.37	1.47	1.40
14	H	820	CLA	O2D-CGD	5.37	1.46	1.33
14	Y	808	CLA	CHC-C1C	5.37	1.48	1.35
14	H	840	CLA	O2D-CGD	5.37	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	804	CLA	O2D-CGD	5.37	1.46	1.33
14	Z	811	CLA	O2A-C1	5.37	1.61	1.46
14	B	836	CLA	CHC-C1C	5.36	1.48	1.35
14	G	828	CLA	O2A-C1	5.36	1.61	1.46
14	H	806	CLA	CHD-C1D	5.36	1.48	1.38
14	G	806	CLA	CHC-C1C	5.36	1.48	1.35
14	S	1103	CLA	O2A-C1	5.36	1.61	1.46
14	Z	802	CLA	CHC-C1C	5.36	1.48	1.35
14	Y	830	CLA	CHC-C1C	5.36	1.48	1.35
14	Z	806	CLA	O2A-C1	5.36	1.61	1.46
14	B	820	CLA	O2D-CGD	5.35	1.46	1.33
14	A	815	CLA	O2A-C1	5.35	1.61	1.46
14	Y	818	CLA	CHC-C1C	5.35	1.48	1.35
14	A	832	CLA	CHC-C1C	5.35	1.48	1.35
14	H	831	CLA	O2D-CGD	5.35	1.46	1.33
14	G	827	CLA	C3B-C2B	5.35	1.47	1.40
14	Y	806	CLA	O2A-C1	5.35	1.61	1.46
14	H	824	CLA	O2D-CGD	5.34	1.46	1.33
14	Z	836	CLA	CHC-C1C	5.34	1.48	1.35
14	Y	835	CLA	C3B-C2B	5.34	1.47	1.40
14	G	830	CLA	O2D-CGD	5.34	1.46	1.33
14	B	816	CLA	O2D-CGD	5.34	1.46	1.33
14	A	817	CLA	O2A-C1	5.34	1.61	1.46
14	Y	820	CLA	C3B-C2B	5.34	1.47	1.40
14	Y	803	CLA	O2A-C1	5.33	1.61	1.46
14	L	205	CLA	O2A-C1	5.33	1.61	1.46
14	B	824	CLA	CHC-C1C	5.33	1.48	1.35
14	B	840	CLA	CHC-C1C	5.33	1.48	1.35
14	G	804	CLA	CHC-C1C	5.33	1.48	1.35
14	A	822	CLA	O2A-C1	5.33	1.61	1.46
14	B	837	CLA	CHC-C1C	5.33	1.48	1.35
14	f	102	CLA	O2D-CGD	5.33	1.46	1.33
14	B	801	CLA	O2D-CGD	5.33	1.46	1.33
14	H	837	CLA	O2D-CGD	5.33	1.46	1.33
14	H	808	CLA	O2D-CGD	5.33	1.46	1.33
14	T	103	CLA	CHC-C1C	5.32	1.48	1.35
14	Z	803	CLA	CHC-C1C	5.32	1.48	1.35
14	H	837	CLA	CHD-C1D	5.32	1.48	1.38
14	Z	828	CLA	O2D-CGD	5.32	1.46	1.33
14	H	802	CLA	CHC-C1C	5.32	1.48	1.35
14	Y	840	CLA	CHC-C1C	5.32	1.48	1.35
14	G	809	CLA	O2A-C1	5.32	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	852	CLA	O2A-C1	5.32	1.61	1.46
14	G	807	CLA	O2A-C1	5.32	1.61	1.46
14	Z	812	CLA	O2A-C1	5.32	1.61	1.46
14	h	205	CLA	O2A-C1	5.32	1.61	1.46
14	H	840	CLA	CHC-C1C	5.32	1.48	1.35
14	H	835	CLA	O2D-CGD	5.32	1.46	1.33
14	H	826	CLA	CHC-C1C	5.32	1.48	1.35
14	G	821	CLA	O2A-C1	5.32	1.61	1.46
14	H	823	CLA	O2D-CGD	5.32	1.46	1.33
14	d	202	CLA	C3B-C2B	5.31	1.47	1.40
14	H	811	CLA	O2A-C1	5.31	1.61	1.46
14	Y	830	CLA	O2A-C1	5.31	1.61	1.46
14	Z	832	CLA	C3B-C2B	5.31	1.47	1.40
14	B	824	CLA	O2A-C1	5.31	1.61	1.46
14	H	823	CLA	CHD-C1D	5.31	1.48	1.38
14	G	815	CLA	CHC-C1C	5.31	1.48	1.35
15	H	841	PQN	C10-C5	5.31	1.49	1.40
14	Z	824	CLA	O2D-CGD	5.31	1.46	1.33
14	G	817	CLA	O2A-C1	5.31	1.61	1.46
13	G	801	CL0	O2D-CGD	5.31	1.46	1.33
14	H	851	CLA	CHC-C1C	5.30	1.48	1.35
14	A	819	CLA	CHC-C1C	5.30	1.48	1.35
14	A	834	CLA	O2A-C1	5.30	1.61	1.46
14	G	815	CLA	O2D-CGD	5.30	1.46	1.33
14	B	803	CLA	O2D-CGD	5.30	1.46	1.33
14	G	802	CLA	CHC-C1C	5.30	1.48	1.35
14	Y	831	CLA	O2D-CGD	5.30	1.46	1.33
14	W	1701	CLA	O2D-CGD	5.30	1.46	1.33
14	B	819	CLA	CHC-C1C	5.30	1.48	1.35
14	Y	822	CLA	O2A-C1	5.30	1.61	1.46
14	Y	816	CLA	CHC-C1C	5.30	1.48	1.35
14	Z	825	CLA	CHC-C1C	5.29	1.48	1.35
14	H	829	CLA	O2A-C1	5.29	1.61	1.46
14	B	802	CLA	CHC-C1C	5.29	1.48	1.35
14	Z	807	CLA	CHC-C1C	5.29	1.48	1.35
14	B	810	CLA	CHC-C1C	5.29	1.48	1.35
14	Y	833	CLA	O2D-CGD	5.29	1.46	1.33
14	Y	829	CLA	CHD-C1D	5.29	1.48	1.38
14	H	801	CLA	CHC-C1C	5.29	1.48	1.35
14	f	102	CLA	CHC-C1C	5.29	1.48	1.35
14	Q	202	CLA	O2D-CGD	5.29	1.46	1.33
14	H	816	CLA	CHC-C1C	5.29	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	815	CLA	O2D-CGD	5.29	1.46	1.33
14	G	838	CLA	O2A-C1	5.29	1.61	1.46
14	G	805	CLA	CHC-C1C	5.29	1.48	1.35
14	Z	817	CLA	CHC-C1C	5.28	1.48	1.35
14	Y	823	CLA	O2D-CGD	5.28	1.46	1.33
14	Z	818	CLA	O2D-CGD	5.28	1.46	1.33
14	G	813	CLA	C3B-C2B	5.28	1.47	1.40
14	U	1003	CLA	C3B-C2B	5.28	1.47	1.40
14	A	833	CLA	O2D-CGD	5.28	1.46	1.33
14	H	804	CLA	O2A-C1	5.28	1.61	1.46
14	Y	819	CLA	CHC-C1C	5.28	1.48	1.35
14	Y	813	CLA	CHC-C1C	5.28	1.48	1.35
14	S	1102	CLA	O2D-CGD	5.28	1.46	1.33
14	B	837	CLA	O2A-C1	5.27	1.61	1.46
14	B	813	CLA	CHC-C1C	5.27	1.48	1.35
14	Y	809	CLA	CHC-C1C	5.27	1.48	1.35
14	G	852	CLA	O2D-CGD	5.27	1.46	1.33
14	A	843	CLA	O2A-C1	5.27	1.61	1.46
14	H	825	CLA	O2A-C1	5.27	1.61	1.46
14	B	826	CLA	CHC-C1C	5.27	1.48	1.35
14	H	822	CLA	CHC-C1C	5.27	1.48	1.35
14	G	827	CLA	CHC-C1C	5.26	1.48	1.35
14	H	825	CLA	CHC-C1C	5.26	1.48	1.35
14	d	201	CLA	CHC-C1C	5.26	1.48	1.35
14	A	841	CLA	CHC-C1C	5.26	1.48	1.35
14	G	806	CLA	O2A-C1	5.26	1.61	1.46
14	Z	840	CLA	O2A-C1	5.26	1.61	1.46
14	Z	816	CLA	O2D-CGD	5.26	1.46	1.33
14	H	817	CLA	O2D-CGD	5.26	1.46	1.33
14	Z	824	CLA	CHC-C1C	5.26	1.48	1.35
14	Y	836	CLA	CHC-C1C	5.26	1.48	1.35
14	Z	801	CLA	CHC-C1C	5.26	1.48	1.35
14	T	103	CLA	O2D-CGD	5.26	1.46	1.33
14	G	822	CLA	O2A-C1	5.26	1.61	1.46
14	G	838	CLA	CHD-C1D	5.26	1.48	1.38
14	Y	830	CLA	C3B-C2B	5.25	1.47	1.40
14	K	102	CLA	O2D-CGD	5.25	1.46	1.33
14	G	829	CLA	O2D-CGD	5.25	1.46	1.33
14	G	818	CLA	O2A-C1	5.25	1.60	1.46
14	Z	814	CLA	O2D-CGD	5.25	1.46	1.33
14	Z	828	CLA	CHD-C1D	5.25	1.48	1.38
14	G	853	CLA	O2D-CGD	5.25	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	804	CLA	O2D-CGD	5.25	1.46	1.33
14	H	819	CLA	CHC-C1C	5.25	1.48	1.35
14	Z	808	CLA	O2D-CGD	5.25	1.46	1.33
14	Y	840	CLA	O2A-C1	5.25	1.60	1.46
14	B	817	CLA	O2A-C1	5.25	1.60	1.46
14	G	823	CLA	O2A-C1	5.24	1.60	1.46
14	U	1002	CLA	O2A-C1	5.24	1.60	1.46
14	A	804	CLA	O2A-C1	5.24	1.60	1.46
14	f	101	CLA	O2D-CGD	5.24	1.46	1.33
14	B	827	CLA	O2D-CGD	5.24	1.46	1.33
14	B	833	CLA	O2D-CGD	5.24	1.46	1.33
14	H	834	CLA	O2D-CGD	5.24	1.46	1.33
14	A	834	CLA	O2D-CGD	5.23	1.46	1.33
14	G	818	CLA	O2D-CGD	5.23	1.46	1.33
14	Y	817	CLA	O2A-C1	5.23	1.60	1.46
14	Y	814	CLA	C3B-C2B	5.23	1.47	1.40
14	A	824	CLA	CHC-C1C	5.23	1.48	1.35
14	Z	823	CLA	CHD-C1D	5.23	1.48	1.38
14	Z	831	CLA	CHC-C1C	5.23	1.48	1.35
14	Z	835	CLA	O2D-CGD	5.23	1.45	1.33
14	Y	812	CLA	CHC-C1C	5.22	1.48	1.35
14	Z	836	CLA	O2D-CGD	5.22	1.45	1.33
14	H	838	CLA	O2D-CGD	5.22	1.45	1.33
14	Y	828	CLA	O2D-CGD	5.22	1.45	1.33
14	G	836	CLA	O2A-C1	5.22	1.60	1.46
14	A	830	CLA	CHC-C1C	5.22	1.48	1.35
14	G	830	CLA	CHD-C1D	5.22	1.48	1.38
14	B	803	CLA	O2A-C1	5.22	1.60	1.46
14	A	825	CLA	O2A-C1	5.22	1.60	1.46
14	G	831	CLA	O2A-C1	5.22	1.60	1.46
14	Z	816	CLA	CHC-C1C	5.22	1.48	1.35
14	G	834	CLA	O2D-CGD	5.22	1.45	1.33
14	A	805	CLA	CHC-C1C	5.22	1.48	1.35
14	H	810	CLA	CHC-C1C	5.22	1.48	1.35
14	g	101	CLA	CHD-C1D	5.21	1.48	1.38
14	G	841	CLA	O2D-CGD	5.21	1.45	1.33
14	Y	804	CLA	O2A-C1	5.21	1.60	1.46
14	Z	819	CLA	O2A-C1	5.21	1.60	1.46
14	d	201	CLA	O2D-CGD	5.21	1.45	1.33
14	Z	841	CLA	O2D-CGD	5.21	1.45	1.33
14	Y	815	CLA	O2A-C1	5.21	1.60	1.46
14	Z	831	CLA	O2D-CGD	5.21	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	O2D-CGD	5.21	1.45	1.33
14	G	819	CLA	O2A-C1	5.21	1.60	1.46
14	B	835	CLA	O2D-CGD	5.21	1.45	1.33
14	H	832	CLA	CHC-C1C	5.21	1.48	1.35
14	B	837	CLA	O2D-CGD	5.21	1.45	1.33
14	L	206	CLA	O2D-CGD	5.21	1.45	1.33
14	Y	804	CLA	CHC-C1C	5.20	1.48	1.35
14	G	821	CLA	C3B-C2B	5.20	1.47	1.40
14	L	206	CLA	C3B-C2B	5.20	1.47	1.40
14	B	833	CLA	CHC-C1C	5.20	1.48	1.35
14	H	822	CLA	O2D-CGD	5.20	1.45	1.33
14	h	204	CLA	O2D-CGD	5.20	1.45	1.33
14	Y	836	CLA	CHD-C1D	5.20	1.48	1.38
14	H	828	CLA	O2D-CGD	5.20	1.45	1.33
14	B	810	CLA	C3B-C2B	5.20	1.47	1.40
14	A	802	CLA	O2D-CGD	5.20	1.45	1.33
14	H	812	CLA	CHC-C1C	5.20	1.48	1.35
14	B	815	CLA	O2A-C1	5.20	1.60	1.46
14	Y	826	CLA	O2D-CGD	5.19	1.45	1.33
14	W	1701	CLA	CHC-C1C	5.19	1.48	1.35
14	H	827	CLA	CHC-C1C	5.19	1.48	1.35
14	Z	814	CLA	CHC-C1C	5.19	1.48	1.35
14	H	826	CLA	C3B-C2B	5.19	1.47	1.40
14	B	823	CLA	CHC-C1C	5.19	1.48	1.35
14	G	819	CLA	CHD-C1D	5.19	1.48	1.38
14	G	842	CLA	CHD-C1D	5.19	1.48	1.38
13	G	801	CL0	O2A-C1	5.19	1.60	1.46
14	Y	838	CLA	O2A-C1	5.19	1.60	1.46
14	h	206	CLA	OBD-CAD	5.19	1.31	1.22
14	Y	819	CLA	O2A-C1	5.18	1.60	1.46
14	G	817	CLA	O2D-CGD	5.18	1.45	1.33
14	A	810	CLA	C3B-C2B	5.18	1.47	1.40
14	G	820	CLA	O2A-C1	5.18	1.60	1.46
14	Z	820	CLA	O2A-C1	5.18	1.60	1.46
14	Y	833	CLA	C3C-C2C	5.18	1.47	1.36
14	A	830	CLA	CHD-C1D	5.18	1.48	1.38
14	Y	806	CLA	C3B-C2B	5.18	1.47	1.40
14	Y	827	CLA	C3B-C2B	5.18	1.47	1.40
14	h	201	CLA	C3B-C2B	5.17	1.47	1.40
14	Y	819	CLA	O2D-CGD	5.17	1.45	1.33
14	H	808	CLA	CHC-C1C	5.17	1.48	1.35
14	Y	822	CLA	O2D-CGD	5.17	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	820	CLA	CHD-C1D	5.17	1.48	1.38
14	B	832	CLA	CHC-C1C	5.17	1.48	1.35
14	G	834	CLA	CHC-C1C	5.17	1.48	1.35
14	H	821	CLA	O2D-CGD	5.17	1.45	1.33
14	G	836	CLA	C3C-C2C	5.17	1.47	1.36
14	Y	827	CLA	O2A-C1	5.16	1.60	1.46
14	Z	817	CLA	O2A-C1	5.16	1.60	1.46
14	Z	822	CLA	CHC-C1C	5.16	1.48	1.35
14	H	810	CLA	O2A-C1	5.16	1.60	1.46
14	G	810	CLA	C3C-C2C	5.16	1.47	1.36
14	Z	801	CLA	O2D-CGD	5.16	1.45	1.33
14	J	102	CLA	CHC-C1C	5.16	1.48	1.35
14	G	805	CLA	O2D-CGD	5.16	1.45	1.33
14	L	205	CLA	O2D-CGD	5.16	1.45	1.33
14	H	817	CLA	CHC-C1C	5.16	1.48	1.35
14	Z	833	CLA	CHC-C1C	5.16	1.48	1.35
14	Y	825	CLA	O2D-CGD	5.16	1.45	1.33
14	A	808	CLA	O2A-C1	5.15	1.60	1.46
14	G	842	CLA	O2A-C1	5.15	1.60	1.46
14	Y	829	CLA	O2A-C1	5.15	1.60	1.46
14	H	840	CLA	C3C-C2C	5.15	1.47	1.36
14	B	839	CLA	O2D-CGD	5.15	1.45	1.33
14	G	824	CLA	O2A-C1	5.15	1.60	1.46
14	A	826	CLA	O2A-C1	5.15	1.60	1.46
14	U	1006	CLA	O2A-C1	5.15	1.60	1.46
14	j	102	CLA	CHD-C1D	5.15	1.48	1.38
14	B	838	CLA	O2D-CGD	5.15	1.45	1.33
14	G	826	CLA	C3B-C2B	5.15	1.47	1.40
14	Z	811	CLA	CHC-C1C	5.15	1.48	1.35
14	B	827	CLA	O2A-C1	5.15	1.60	1.46
14	H	832	CLA	O2D-CGD	5.15	1.45	1.33
14	A	829	CLA	CHC-C1C	5.15	1.48	1.35
14	Z	809	CLA	O2A-C1	5.15	1.60	1.46
14	Y	807	CLA	O2D-CGD	5.15	1.45	1.33
14	Y	822	CLA	CHC-C1C	5.15	1.48	1.35
14	A	822	CLA	O2D-CGD	5.15	1.45	1.33
14	H	818	CLA	CHC-C1C	5.15	1.48	1.35
14	H	827	CLA	O2D-CGD	5.14	1.45	1.33
14	B	833	CLA	CHD-C1D	5.14	1.48	1.38
14	Z	819	CLA	CHC-C1C	5.14	1.48	1.35
14	B	804	CLA	CHC-C1C	5.14	1.48	1.35
14	G	816	CLA	CHC-C1C	5.14	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	818	CLA	O2A-C1	5.14	1.60	1.46
14	L	204	CLA	C3B-C2B	5.13	1.47	1.40
14	B	811	CLA	C3C-C2C	5.13	1.47	1.36
14	Y	816	CLA	O2D-CGD	5.13	1.45	1.33
14	A	843	CLA	O2D-CGD	5.13	1.45	1.33
15	B	841	PQN	C10-C5	5.13	1.49	1.40
14	A	808	CLA	O2D-CGD	5.13	1.45	1.33
14	A	807	CLA	CHC-C1C	5.13	1.48	1.35
14	G	803	CLA	CHC-C1C	5.13	1.48	1.35
14	G	813	CLA	O2A-C1	5.13	1.60	1.46
14	G	813	CLA	CHC-C1C	5.13	1.48	1.35
14	A	816	CLA	O2A-C1	5.13	1.60	1.46
14	Y	829	CLA	CHC-C1C	5.13	1.48	1.35
14	g	102	CLA	C3B-C2B	5.13	1.47	1.40
13	Y	801	CL0	O2A-C1	5.13	1.60	1.46
14	B	805	CLA	O2A-C1	5.12	1.60	1.46
14	A	838	CLA	CHC-C1C	5.12	1.48	1.35
14	Z	829	CLA	CHC-C1C	5.12	1.48	1.35
14	H	837	CLA	O2A-C1	5.12	1.60	1.46
14	h	205	CLA	C3C-C2C	5.12	1.47	1.36
14	H	806	CLA	CHC-C1C	5.12	1.48	1.35
14	S	1101	CLA	O2D-CGD	5.12	1.45	1.33
14	B	836	CLA	O2A-C1	5.12	1.60	1.46
14	Y	820	CLA	O2A-C1	5.12	1.60	1.46
14	Z	827	CLA	C3D-C4D	-5.12	1.32	1.44
14	A	831	CLA	CHD-C1D	5.12	1.48	1.38
14	B	829	CLA	CHC-C1C	5.12	1.48	1.35
14	H	814	CLA	CHC-C1C	5.12	1.48	1.35
14	G	812	CLA	O2D-CGD	5.12	1.45	1.33
14	G	815	CLA	C3B-C2B	5.12	1.47	1.40
14	Z	834	CLA	CHC-C1C	5.12	1.48	1.35
14	K	102	CLA	CHC-C1C	5.12	1.48	1.35
14	Z	818	CLA	C3B-C2B	5.12	1.47	1.40
14	H	823	CLA	CHC-C1C	5.11	1.48	1.35
14	L	206	CLA	O2A-C1	5.11	1.60	1.46
14	Z	807	CLA	O2A-C1	5.11	1.60	1.46
14	A	826	CLA	CHD-C1D	5.11	1.48	1.38
14	A	817	CLA	CHC-C1C	5.11	1.48	1.35
14	A	814	CLA	CHC-C1C	5.11	1.48	1.35
14	A	840	CLA	CHC-C1C	5.11	1.48	1.35
14	G	804	CLA	O2D-CGD	5.11	1.45	1.33
14	B	806	CLA	O2A-C1	5.11	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	830	CLA	O2A-C1	5.11	1.60	1.46
14	A	843	CLA	CHC-C1C	5.11	1.48	1.35
14	G	814	CLA	O2A-C1	5.11	1.60	1.46
14	G	811	CLA	C3B-C2B	5.10	1.47	1.40
14	A	828	CLA	O2A-C1	5.10	1.60	1.46
14	A	805	CLA	O2D-CGD	5.10	1.45	1.33
14	Y	824	CLA	C3B-C2B	5.10	1.47	1.40
14	A	818	CLA	O2D-CGD	5.10	1.45	1.33
14	H	816	CLA	C3B-C2B	5.10	1.47	1.40
14	B	811	CLA	CHC-C1C	5.10	1.48	1.35
14	L	201	CLA	CHC-C1C	5.10	1.48	1.35
14	A	835	CLA	C3B-C2B	5.10	1.47	1.40
14	F	202	CLA	CHC-C1C	5.10	1.48	1.35
14	Z	810	CLA	O2D-CGD	5.10	1.45	1.33
14	S	1102	CLA	CHC-C1C	5.10	1.48	1.35
14	A	826	CLA	O2D-CGD	5.09	1.45	1.33
14	G	812	CLA	C3C-C2C	5.09	1.47	1.36
14	S	1101	CLA	CHD-C1D	5.09	1.48	1.38
14	Y	816	CLA	O2A-C1	5.09	1.60	1.46
14	Y	825	CLA	O2A-C1	5.09	1.60	1.46
14	Q	202	CLA	C3B-C2B	5.09	1.47	1.40
14	A	812	CLA	O2A-C1	5.09	1.60	1.46
14	L	205	CLA	C3C-C2C	5.09	1.47	1.36
14	A	819	CLA	O2D-CGD	5.09	1.45	1.33
14	Z	840	CLA	CHC-C1C	5.09	1.48	1.35
14	Z	841	CLA	CHC-C1C	5.09	1.48	1.35
14	H	832	CLA	O2A-C1	5.09	1.60	1.46
14	B	827	CLA	C3C-C2C	5.08	1.47	1.36
13	A	801	CL0	O2A-C1	5.08	1.60	1.46
13	G	801	CL0	CHD-C1D	5.08	1.48	1.38
14	B	821	CLA	CHC-C1C	5.08	1.48	1.35
14	A	833	CLA	O2A-C1	5.08	1.60	1.46
14	G	837	CLA	C3B-C2B	5.08	1.47	1.40
14	Y	831	CLA	CHC-C1C	5.08	1.48	1.35
14	Y	823	CLA	CHD-C1D	5.08	1.48	1.38
14	B	822	CLA	O2A-C1	5.08	1.60	1.46
14	H	805	CLA	O2A-C1	5.08	1.60	1.46
14	G	835	CLA	CHC-C1C	5.08	1.48	1.35
14	A	816	CLA	C3B-C2B	5.08	1.47	1.40
14	B	805	CLA	CHD-C1D	5.08	1.48	1.38
14	G	807	CLA	C3C-C2C	5.07	1.47	1.36
14	L	204	CLA	O2A-C1	5.07	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	834	CLA	C3C-C2C	5.07	1.47	1.36
14	H	802	CLA	O2D-CGD	5.07	1.45	1.33
14	H	819	CLA	O2A-C1	5.07	1.60	1.46
14	Y	808	CLA	O2D-CGD	5.07	1.45	1.33
14	Y	813	CLA	O2D-CGD	5.07	1.45	1.33
14	U	1007	CLA	OBD-CAD	5.07	1.31	1.22
14	Y	837	CLA	CHD-C1D	5.07	1.48	1.38
14	H	815	CLA	C3B-C2B	5.07	1.47	1.40
14	B	835	CLA	CHC-C1C	5.07	1.48	1.35
14	G	810	CLA	CHC-C1C	5.07	1.48	1.35
14	H	824	CLA	CHC-C1C	5.07	1.48	1.35
14	H	836	CLA	CHC-C1C	5.07	1.48	1.35
14	H	813	CLA	CHD-C1D	5.06	1.48	1.38
14	G	825	CLA	O2D-CGD	5.06	1.45	1.33
14	B	809	CLA	CHC-C1C	5.06	1.48	1.35
14	Y	819	CLA	CHD-C1D	5.06	1.48	1.38
14	G	823	CLA	CHC-C1C	5.06	1.47	1.35
14	G	839	CLA	O2A-C1	5.06	1.60	1.46
14	A	809	CLA	O2D-CGD	5.06	1.45	1.33
14	Z	823	CLA	O2A-C1	5.06	1.60	1.46
14	B	821	CLA	O2A-C1	5.06	1.60	1.46
14	A	835	CLA	O2D-CGD	5.06	1.45	1.33
14	Z	828	CLA	O2A-C1	5.05	1.60	1.46
14	B	820	CLA	CHC-C1C	5.05	1.47	1.35
14	A	813	CLA	O2D-CGD	5.05	1.45	1.33
14	Y	810	CLA	O2D-CGD	5.05	1.45	1.33
14	B	802	CLA	CHD-C1D	5.05	1.48	1.38
14	B	829	CLA	CHD-C1D	5.05	1.48	1.38
14	Y	826	CLA	CHC-C1C	5.05	1.47	1.35
14	Y	824	CLA	C3C-C2C	5.05	1.47	1.36
14	Z	823	CLA	CHC-C1C	5.05	1.47	1.35
14	B	823	CLA	O2A-C1	5.04	1.60	1.46
14	Z	816	CLA	C3C-C2C	5.04	1.47	1.36
14	A	813	CLA	O2A-C1	5.04	1.60	1.46
14	Y	806	CLA	O2D-CGD	5.04	1.45	1.33
14	B	810	CLA	O2D-CGD	5.04	1.45	1.33
14	H	801	CLA	O2D-CGD	5.04	1.45	1.33
14	Y	837	CLA	CHC-C1C	5.04	1.47	1.35
14	G	822	CLA	CHD-C1D	5.04	1.48	1.38
14	G	811	CLA	CHC-C1C	5.04	1.47	1.35
14	Z	820	CLA	CHC-C1C	5.04	1.47	1.35
14	A	837	CLA	O2A-C1	5.03	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	801	CLA	C3B-C2B	5.03	1.47	1.40
14	Z	826	CLA	O2A-C1	5.03	1.60	1.46
14	B	821	CLA	O2D-CGD	5.03	1.45	1.33
14	G	816	CLA	O2A-C1	5.03	1.60	1.46
14	G	810	CLA	C3B-C2B	5.03	1.47	1.40
14	A	833	CLA	CHC-C1C	5.03	1.47	1.35
14	A	813	CLA	C3C-C2C	5.03	1.47	1.36
14	H	839	CLA	O2A-C1	5.03	1.60	1.46
14	Y	830	CLA	CHD-C1D	5.03	1.48	1.38
14	G	837	CLA	CHC-C1C	5.02	1.47	1.35
14	B	802	CLA	O2A-C1	5.02	1.60	1.46
14	A	854	CLA	CHC-C1C	5.02	1.47	1.35
14	B	826	CLA	C3D-C4D	-5.02	1.32	1.44
14	Z	809	CLA	O2D-CGD	5.02	1.45	1.33
14	B	807	CLA	CHD-C1D	5.02	1.48	1.38
14	A	854	CLA	OBD-CAD	5.02	1.31	1.22
14	S	1101	CLA	CHC-C1C	5.02	1.47	1.35
14	B	801	CLA	CHC-C1C	5.02	1.47	1.35
14	B	822	CLA	CHD-C1D	5.02	1.48	1.38
14	j	102	CLA	CHC-C1C	5.02	1.47	1.35
14	A	807	CLA	O2D-CGD	5.02	1.45	1.33
14	B	807	CLA	CHC-C1C	5.02	1.47	1.35
14	Y	803	CLA	CHC-C1C	5.02	1.47	1.35
17	U	1009	BCR	C10-C9	-5.02	1.29	1.35
14	A	823	CLA	O2A-C1	5.02	1.60	1.46
14	Y	838	CLA	C3B-C2B	5.02	1.47	1.40
14	U	1002	CLA	CHC-C1C	5.02	1.47	1.35
14	Y	828	CLA	O2A-C1	5.01	1.60	1.46
14	Z	832	CLA	O2D-CGD	5.01	1.45	1.33
14	B	811	CLA	O2D-CGD	5.01	1.45	1.33
14	A	842	CLA	CHC-C1C	5.01	1.47	1.35
14	B	830	CLA	CHD-C1D	5.01	1.48	1.38
14	Z	824	CLA	CHD-C1D	5.01	1.48	1.38
14	B	823	CLA	O2D-CGD	5.01	1.45	1.33
14	U	1004	CLA	OBD-CAD	5.01	1.31	1.22
14	G	817	CLA	C3B-C2B	5.01	1.47	1.40
14	G	829	CLA	CHD-C1D	5.01	1.48	1.38
14	Z	807	CLA	C3C-C2C	5.01	1.47	1.36
14	Y	813	CLA	C3B-C2B	5.01	1.47	1.40
14	Y	818	CLA	C3B-C2B	5.01	1.47	1.40
14	S	1103	CLA	CHC-C1C	5.01	1.47	1.35
14	Z	820	CLA	O2D-CGD	5.01	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	829	CLA	CHC-C1C	5.01	1.47	1.35
14	H	805	CLA	CHC-C1C	5.00	1.47	1.35
18	G	851	LHG	O7-C7	5.00	1.48	1.34
14	Z	838	CLA	CHC-C1C	5.00	1.47	1.35
14	Z	826	CLA	CHC-C1C	5.00	1.47	1.35
14	A	822	CLA	C3C-C2C	5.00	1.47	1.36
14	Z	833	CLA	CHD-C1D	5.00	1.48	1.38
14	B	825	CLA	CHC-C1C	5.00	1.47	1.35
14	H	829	CLA	CHD-C1D	5.00	1.48	1.38
14	A	813	CLA	CHC-C1C	5.00	1.47	1.35
14	B	830	CLA	O2D-CGD	4.99	1.45	1.33
15	G	843	PQN	C10-C5	4.99	1.49	1.40
14	H	803	CLA	CHC-C1C	4.99	1.47	1.35
14	G	832	CLA	O2A-C1	4.99	1.60	1.46
14	Z	839	CLA	CHD-C1D	4.99	1.48	1.38
14	A	823	CLA	O2D-CGD	4.99	1.45	1.33
14	Y	807	CLA	O2A-C1	4.99	1.60	1.46
14	Z	815	CLA	C3B-C2B	4.99	1.47	1.40
14	Z	803	CLA	C3B-C2B	4.99	1.47	1.40
14	H	851	CLA	C3B-C2B	4.99	1.47	1.40
14	A	812	CLA	O2D-CGD	4.99	1.45	1.33
14	Y	827	CLA	O2D-CGD	4.99	1.45	1.33
14	U	1006	CLA	CHC-C1C	4.98	1.47	1.35
14	H	817	CLA	C3B-C2B	4.98	1.47	1.40
14	B	828	CLA	O2A-C1	4.98	1.60	1.46
14	G	809	CLA	O2D-CGD	4.98	1.45	1.33
14	B	820	CLA	C3C-C2C	4.98	1.47	1.36
14	B	838	CLA	C3B-C2B	4.98	1.47	1.40
14	Y	811	CLA	CHD-C1D	4.98	1.48	1.38
14	H	828	CLA	O2A-C1	4.98	1.60	1.46
14	G	819	CLA	CHC-C1C	4.98	1.47	1.35
14	Z	829	CLA	O2D-CGD	4.98	1.45	1.33
14	B	831	CLA	O2A-C1	4.98	1.60	1.46
14	Z	815	CLA	CHC-C1C	4.98	1.47	1.35
14	Z	814	CLA	O2A-C1	4.98	1.60	1.46
14	B	830	CLA	CHC-C1C	4.98	1.47	1.35
14	G	842	CLA	O2D-CGD	4.98	1.45	1.33
14	G	832	CLA	CHC-C1C	4.98	1.47	1.35
14	Z	834	CLA	CHD-C1D	4.98	1.48	1.38
14	B	808	CLA	O2D-CGD	4.97	1.45	1.33
14	Y	808	CLA	C3B-C2B	4.97	1.47	1.40
14	B	817	CLA	CHD-C1D	4.97	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	810	CLA	CHD-C1D	4.97	1.48	1.38
14	H	806	CLA	O2D-CGD	4.97	1.45	1.33
14	Z	841	CLA	OBD-CAD	4.97	1.31	1.22
14	G	808	CLA	O2A-C1	4.97	1.60	1.46
14	A	804	CLA	CHC-C1C	4.97	1.47	1.35
14	h	206	CLA	CHC-C1C	4.97	1.47	1.35
14	Q	202	CLA	CHC-C1C	4.97	1.47	1.35
14	G	837	CLA	C3C-C2C	4.97	1.47	1.36
14	G	836	CLA	O2D-CGD	4.96	1.45	1.33
14	H	807	CLA	O2A-C1	4.96	1.60	1.46
14	Z	817	CLA	C3B-C2B	4.96	1.47	1.40
14	Y	809	CLA	O2D-CGD	4.96	1.45	1.33
14	H	838	CLA	CHC-C1C	4.96	1.47	1.35
14	Y	821	CLA	C3C-C2C	4.96	1.47	1.36
14	G	832	CLA	O2D-CGD	4.96	1.45	1.33
14	G	852	CLA	CHC-C1C	4.96	1.47	1.35
14	G	837	CLA	CHD-C1D	4.96	1.48	1.38
14	B	832	CLA	O2D-CGD	4.96	1.45	1.33
14	A	821	CLA	CHC-C1C	4.95	1.47	1.35
14	A	822	CLA	C3D-C4D	-4.95	1.33	1.44
14	Y	808	CLA	O2A-C1	4.95	1.60	1.46
14	K	102	CLA	C3B-C2B	4.95	1.47	1.40
14	L	202	CLA	O2A-C1	4.95	1.60	1.46
14	Y	805	CLA	CHC-C1C	4.95	1.47	1.35
14	Y	812	CLA	O2D-CGD	4.95	1.45	1.33
14	Y	833	CLA	O2A-C1	4.95	1.60	1.46
14	H	823	CLA	O2A-C1	4.95	1.60	1.46
14	H	831	CLA	CHC-C1C	4.94	1.47	1.35
14	A	839	CLA	O2A-C1	4.94	1.60	1.46
14	A	811	CLA	CHD-C1D	4.94	1.48	1.38
14	A	829	CLA	O2D-CGD	4.94	1.45	1.33
14	U	1006	CLA	OBD-CAD	4.94	1.31	1.22
14	A	807	CLA	O2A-C1	4.94	1.60	1.46
14	Y	802	CLA	CHC-C1C	4.94	1.47	1.35
14	A	840	CLA	CHD-C1D	4.94	1.48	1.38
14	B	829	CLA	O2D-CGD	4.94	1.45	1.33
14	Y	839	CLA	O2D-CGD	4.94	1.45	1.33
14	Y	829	CLA	C3C-C2C	4.93	1.47	1.36
14	Y	822	CLA	CHD-C1D	4.93	1.48	1.38
14	A	824	CLA	CHD-C1D	4.93	1.48	1.38
14	H	821	CLA	C3B-C2B	4.93	1.47	1.40
14	G	842	CLA	C3C-C2C	4.93	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	817	CLA	O2A-C1	4.93	1.60	1.46
14	G	853	CLA	CHD-C1D	4.93	1.48	1.38
14	Z	806	CLA	CHD-C1D	4.93	1.48	1.38
14	H	834	CLA	C3B-C2B	4.93	1.47	1.40
14	L	201	CLA	O2D-CGD	4.93	1.45	1.33
14	Z	810	CLA	O2A-C1	4.93	1.60	1.46
14	B	803	CLA	CHC-C1C	4.93	1.47	1.35
14	G	819	CLA	O2D-CGD	4.93	1.45	1.33
14	G	805	CLA	C3B-C2B	4.93	1.47	1.40
14	G	821	CLA	C3C-C2C	4.93	1.47	1.36
14	g	102	CLA	CHD-C1D	4.92	1.48	1.38
14	Z	826	CLA	O2D-CGD	4.92	1.45	1.33
14	H	833	CLA	CHC-C1C	4.92	1.47	1.35
14	Y	841	CLA	CHD-C1D	4.92	1.47	1.38
14	B	817	CLA	C3B-C2B	4.92	1.47	1.40
14	G	823	CLA	C3B-C2B	4.92	1.47	1.40
14	Z	817	CLA	O2D-CGD	4.92	1.45	1.33
14	B	816	CLA	CHC-C1C	4.92	1.47	1.35
14	B	834	CLA	CHD-C1D	4.92	1.47	1.38
14	B	831	CLA	O2D-CGD	4.92	1.45	1.33
14	B	803	CLA	C3B-C2B	4.92	1.47	1.40
14	G	842	CLA	CHC-C1C	4.92	1.47	1.35
14	Y	803	CLA	O2D-CGD	4.92	1.45	1.33
14	Y	834	CLA	CHD-C1D	4.91	1.47	1.38
14	B	804	CLA	O2A-C1	4.91	1.60	1.46
14	H	801	CLA	O2A-C1	4.91	1.60	1.46
14	A	805	CLA	O2A-C1	4.91	1.60	1.46
14	Y	825	CLA	CHC-C1C	4.91	1.47	1.35
14	G	835	CLA	CHD-C1D	4.91	1.47	1.38
14	Y	839	CLA	CHC-C1C	4.91	1.47	1.35
14	A	838	CLA	C3B-C2B	4.91	1.47	1.40
14	B	826	CLA	O2D-CGD	4.91	1.45	1.33
14	Y	838	CLA	CHC-C1C	4.90	1.47	1.35
14	G	812	CLA	O2A-C1	4.90	1.60	1.46
14	B	840	CLA	O2D-CGD	4.90	1.45	1.33
14	U	1007	CLA	O2A-C1	4.90	1.60	1.46
14	H	818	CLA	C3C-C2C	4.90	1.47	1.36
14	A	827	CLA	CHC-C1C	4.90	1.47	1.35
14	H	801	CLA	C3C-C2C	4.90	1.47	1.36
14	G	815	CLA	CHD-C1D	4.90	1.47	1.38
14	B	808	CLA	C3B-C2B	4.90	1.47	1.40
14	Y	817	CLA	C3B-C2B	4.90	1.47	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	831	CLA	O2D-CGD	4.90	1.45	1.33
14	B	825	CLA	O2D-CGD	4.90	1.45	1.33
14	B	834	CLA	C3C-C2C	4.90	1.47	1.36
14	X	1701	CLA	O2D-CGD	4.90	1.45	1.33
14	Z	818	CLA	CHD-C1D	4.90	1.47	1.38
14	B	807	CLA	O2D-CGD	4.89	1.45	1.33
14	B	836	CLA	C3C-C2C	4.89	1.47	1.36
13	Y	801	CL0	O2D-CGD	4.89	1.45	1.33
14	B	819	CLA	O2D-CGD	4.89	1.45	1.33
14	G	840	CLA	O2A-C1	4.89	1.59	1.46
14	h	205	CLA	O2D-CGD	4.89	1.45	1.33
14	Y	818	CLA	O2D-CGD	4.89	1.45	1.33
14	G	803	CLA	O2D-CGD	4.89	1.45	1.33
14	H	806	CLA	C3C-C2C	4.89	1.47	1.36
14	A	831	CLA	O2A-C1	4.89	1.59	1.46
14	A	842	CLA	O2A-C1	4.89	1.59	1.46
14	Y	816	CLA	CHD-C1D	4.89	1.47	1.38
14	Y	840	CLA	O2D-CGD	4.88	1.45	1.33
14	A	823	CLA	C3B-C2B	4.88	1.47	1.40
14	Y	824	CLA	O2A-C1	4.88	1.59	1.46
14	H	838	CLA	CHD-C1D	4.88	1.47	1.38
14	A	838	CLA	CHD-C1D	4.88	1.47	1.38
14	Y	805	CLA	O2D-CGD	4.88	1.45	1.33
14	Y	811	CLA	C3B-C2B	4.88	1.47	1.40
14	B	812	CLA	C3D-C4D	-4.88	1.33	1.44
14	S	1102	CLA	CHD-C1D	4.88	1.47	1.38
14	B	818	CLA	O2D-CGD	4.87	1.45	1.33
14	A	819	CLA	C3B-C2B	4.87	1.47	1.40
14	B	815	CLA	C3C-C2C	4.87	1.47	1.36
14	h	205	CLA	CHD-C1D	4.87	1.47	1.38
14	S	1102	CLA	C3C-C2C	4.87	1.47	1.36
14	Y	832	CLA	CHC-C1C	4.87	1.47	1.35
14	B	827	CLA	CHD-C1D	4.87	1.47	1.38
14	A	813	CLA	CHD-C1D	4.87	1.47	1.38
14	A	828	CLA	O2D-CGD	4.87	1.45	1.33
14	G	807	CLA	O2D-CGD	4.87	1.45	1.33
14	Y	814	CLA	C3C-C2C	4.86	1.47	1.36
14	G	811	CLA	CHD-C1D	4.86	1.47	1.38
14	W	1701	CLA	C3B-C2B	4.86	1.47	1.40
14	L	206	CLA	CHC-C1C	4.86	1.47	1.35
14	G	841	CLA	C3C-C2C	4.86	1.47	1.36
14	H	818	CLA	CHD-C1D	4.86	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	809	CLA	C1C-NC	-4.86	1.30	1.37
14	A	806	CLA	O2A-C1	4.86	1.59	1.46
14	H	827	CLA	O2A-C1	4.86	1.59	1.46
14	B	832	CLA	O2A-C1	4.86	1.59	1.46
14	U	1004	CLA	O2A-C1	4.86	1.59	1.46
14	B	815	CLA	CHD-C1D	4.86	1.47	1.38
14	Y	821	CLA	O2A-C1	4.86	1.59	1.46
14	Z	837	CLA	C3B-C2B	4.86	1.47	1.40
14	A	821	CLA	C3B-C2B	4.86	1.47	1.40
14	U	1003	CLA	CHC-C1C	4.85	1.47	1.35
14	Z	821	CLA	C3C-C2C	4.85	1.47	1.36
14	S	1103	CLA	CHD-C1D	4.85	1.47	1.38
14	B	829	CLA	C3C-C2C	4.85	1.47	1.36
14	A	815	CLA	C3C-C2C	4.85	1.47	1.36
14	Z	838	CLA	O2A-C1	4.85	1.59	1.46
14	Z	833	CLA	O2D-CGD	4.85	1.45	1.33
14	Y	836	CLA	O2A-C1	4.85	1.59	1.46
14	Z	823	CLA	C3C-C2C	4.85	1.47	1.36
14	G	834	CLA	C3C-C2C	4.85	1.47	1.36
14	A	817	CLA	CHD-C1D	4.85	1.47	1.38
14	B	823	CLA	C3C-C2C	4.85	1.47	1.36
14	H	813	CLA	O2A-C1	4.85	1.59	1.46
14	Y	821	CLA	C3B-C2B	4.85	1.47	1.40
14	B	813	CLA	C3B-C2B	4.85	1.47	1.40
14	Y	804	CLA	C3B-C2B	4.85	1.47	1.40
14	Y	830	CLA	O2D-CGD	4.85	1.45	1.33
14	H	808	CLA	O2A-C1	4.85	1.59	1.46
14	B	840	CLA	C3C-C2C	4.85	1.47	1.36
14	H	814	CLA	O2D-CGD	4.85	1.45	1.33
14	G	823	CLA	CHD-C1D	4.85	1.47	1.38
14	Z	833	CLA	C3C-C2C	4.84	1.47	1.36
14	G	825	CLA	CHD-C1D	4.84	1.47	1.38
14	H	832	CLA	CHD-C1D	4.84	1.47	1.38
14	B	837	CLA	C3C-C2C	4.84	1.47	1.36
14	H	812	CLA	C3C-C2C	4.84	1.47	1.36
14	A	813	CLA	C3B-C2B	4.84	1.47	1.40
14	Z	816	CLA	C3B-C2B	4.84	1.47	1.40
14	G	838	CLA	CHC-C1C	4.84	1.47	1.35
14	Z	818	CLA	CHC-C1C	4.84	1.47	1.35
14	Z	813	CLA	CHC-C1C	4.84	1.47	1.35
14	Y	834	CLA	O2D-CGD	4.84	1.45	1.33
14	G	826	CLA	CHC-C1C	4.83	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	803	CLA	O2A-C1	4.83	1.59	1.46
14	A	854	CLA	C3D-C4D	-4.83	1.33	1.44
14	F	202	CLA	C3B-C2B	4.83	1.47	1.40
14	H	833	CLA	CHD-C1D	4.83	1.47	1.38
14	B	807	CLA	C3B-C2B	4.83	1.47	1.40
14	Z	821	CLA	C3B-C2B	4.83	1.47	1.40
14	G	803	CLA	C3D-C4D	-4.82	1.33	1.44
14	Y	815	CLA	O2D-CGD	4.82	1.45	1.33
14	A	821	CLA	C3D-C4D	-4.82	1.33	1.44
13	Y	801	CL0	C3B-C2B	4.82	1.47	1.40
14	B	824	CLA	CHD-C1D	4.82	1.47	1.38
14	H	824	CLA	CHD-C1D	4.82	1.47	1.38
14	Y	832	CLA	O2D-CGD	4.82	1.45	1.33
14	B	840	CLA	O2A-C1	4.82	1.59	1.46
14	Y	809	CLA	C3B-C2B	4.82	1.47	1.40
14	Z	818	CLA	C3C-C2C	4.82	1.47	1.36
14	T	103	CLA	CHD-C1D	4.82	1.47	1.38
14	A	836	CLA	C3C-C2C	4.82	1.47	1.36
14	H	830	CLA	C3C-C2C	4.82	1.47	1.36
14	Z	807	CLA	CHD-C1D	4.81	1.47	1.38
14	G	804	CLA	CHD-C1D	4.81	1.47	1.38
14	B	823	CLA	CHD-C1D	4.81	1.47	1.38
14	A	806	CLA	C3C-C2C	4.81	1.47	1.36
14	L	201	CLA	O2A-C1	4.81	1.59	1.46
14	Z	837	CLA	C3C-C2C	4.81	1.47	1.36
14	H	821	CLA	CHD-C4C	4.81	1.50	1.39
14	H	803	CLA	O2A-C1	4.81	1.59	1.46
14	G	820	CLA	O2D-CGD	4.81	1.44	1.33
14	h	201	CLA	C3C-C2C	4.81	1.46	1.36
14	B	839	CLA	O2A-C1	4.81	1.59	1.46
14	B	806	CLA	C3D-C4D	-4.81	1.33	1.44
14	Y	835	CLA	C3C-C2C	4.81	1.46	1.36
14	A	827	CLA	O2A-C1	4.81	1.59	1.46
14	G	833	CLA	C3C-C2C	4.80	1.46	1.36
14	G	834	CLA	O2A-C1	4.80	1.59	1.46
14	B	809	CLA	C3D-C4D	-4.80	1.33	1.44
14	Z	803	CLA	O2A-C1	4.80	1.59	1.46
14	Z	813	CLA	C3C-C2C	4.80	1.46	1.36
14	H	828	CLA	C3C-C2C	4.80	1.46	1.36
14	G	829	CLA	O2A-C1	4.80	1.59	1.46
14	J	102	CLA	CHD-C1D	4.80	1.47	1.38
14	Y	832	CLA	C3D-C4D	-4.80	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	828	CLA	CHC-C1C	4.80	1.47	1.35
14	Y	832	CLA	C3B-C2B	4.80	1.47	1.40
14	Y	806	CLA	C3C-C2C	4.80	1.46	1.36
14	H	821	CLA	CHC-C1C	4.79	1.47	1.35
14	Y	815	CLA	C3B-C2B	4.79	1.47	1.40
14	B	808	CLA	O2A-C1	4.79	1.59	1.46
14	A	833	CLA	C3D-C4D	-4.79	1.33	1.44
14	Z	805	CLA	O2A-C1	4.79	1.59	1.46
14	A	809	CLA	O2A-C1	4.79	1.59	1.46
14	Z	812	CLA	CHC-C1C	4.79	1.47	1.35
14	Z	827	CLA	C3C-C2C	4.79	1.46	1.36
14	B	821	CLA	C3D-C4D	-4.79	1.33	1.44
14	H	828	CLA	CHC-C1C	4.79	1.47	1.35
14	B	801	CLA	O2A-C1	4.79	1.59	1.46
14	Y	802	CLA	O2A-C1	4.79	1.59	1.46
14	G	837	CLA	O2A-C1	4.79	1.59	1.46
14	U	1003	CLA	O2A-C1	4.79	1.59	1.46
14	h	201	CLA	O2D-CGD	4.78	1.44	1.33
14	L	205	CLA	C3B-C2B	4.78	1.47	1.40
14	Z	833	CLA	O2A-C1	4.78	1.59	1.46
14	B	833	CLA	C3B-C2B	4.78	1.47	1.40
14	A	814	CLA	C3C-C2C	4.78	1.46	1.36
14	Y	841	CLA	CHC-C1C	4.78	1.47	1.35
14	Y	832	CLA	O2A-C1	4.78	1.59	1.46
14	Z	824	CLA	O2A-C1	4.78	1.59	1.46
14	G	814	CLA	O2D-CGD	4.78	1.44	1.33
14	H	809	CLA	O2A-C1	4.77	1.59	1.46
14	B	820	CLA	C3B-C2B	4.77	1.47	1.40
14	Z	804	CLA	CHD-C1D	4.77	1.47	1.38
14	G	840	CLA	OBD-CAD	4.77	1.30	1.22
14	Z	823	CLA	C3B-C2B	4.77	1.47	1.40
14	A	821	CLA	O2A-C1	4.77	1.59	1.46
14	H	824	CLA	C3C-C2C	4.77	1.46	1.36
14	Y	833	CLA	CHD-C1D	4.77	1.47	1.38
14	G	822	CLA	O2D-CGD	4.77	1.44	1.33
14	A	842	CLA	CHD-C1D	4.77	1.47	1.38
14	Z	830	CLA	CHC-C1C	4.77	1.47	1.35
14	G	839	CLA	C3B-C2B	4.77	1.47	1.40
14	G	831	CLA	OBD-CAD	4.77	1.30	1.22
14	G	820	CLA	C3B-C2B	4.76	1.47	1.40
14	G	826	CLA	OBD-CAD	4.76	1.30	1.22
14	A	827	CLA	O2D-CGD	4.76	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	842	CLA	C3C-C2C	4.76	1.46	1.36
14	G	835	CLA	C3B-C2B	4.76	1.47	1.40
14	B	817	CLA	O2D-CGD	4.76	1.44	1.33
14	B	821	CLA	CHD-C1D	4.76	1.47	1.38
14	G	816	CLA	CHD-C1D	4.76	1.47	1.38
13	A	801	CL0	O2D-CGD	4.76	1.44	1.33
14	X	1701	CLA	CHD-C1D	4.76	1.47	1.38
14	B	826	CLA	CHD-C1D	4.75	1.47	1.38
14	G	822	CLA	CHC-C1C	4.75	1.47	1.35
14	L	202	CLA	CHC-C1C	4.75	1.47	1.35
14	G	802	CLA	C3B-C2B	4.75	1.47	1.40
14	H	836	CLA	O2A-C1	4.75	1.59	1.46
14	h	206	CLA	C3C-C2C	4.75	1.46	1.36
14	A	817	CLA	C3C-C2C	4.75	1.46	1.36
14	f	101	CLA	C3C-C2C	4.75	1.46	1.36
14	j	102	CLA	O2D-CGD	4.75	1.44	1.33
14	Z	830	CLA	O2A-C1	4.75	1.59	1.46
14	G	811	CLA	O2D-CGD	4.75	1.44	1.33
14	B	828	CLA	C3B-C2B	4.75	1.47	1.40
14	B	804	CLA	C3D-C4D	-4.75	1.33	1.44
14	B	815	CLA	CHC-C1C	4.75	1.47	1.35
14	A	824	CLA	C3C-C2C	4.75	1.46	1.36
14	A	829	CLA	O2A-C1	4.74	1.59	1.46
19	B	848	LMG	O7-C10	4.74	1.47	1.34
14	Y	837	CLA	O2A-C1	4.74	1.59	1.46
14	Y	818	CLA	CHD-C1D	4.74	1.47	1.38
14	A	806	CLA	O2D-CGD	4.74	1.44	1.33
14	H	819	CLA	O2D-CGD	4.74	1.44	1.33
14	Y	805	CLA	CHD-C1D	4.74	1.47	1.38
14	Z	808	CLA	C3D-C4D	-4.74	1.33	1.44
14	Z	841	CLA	O2A-C1	4.74	1.59	1.46
14	Z	813	CLA	CHD-C1D	4.73	1.47	1.38
14	H	834	CLA	CHC-C1C	4.73	1.47	1.35
14	A	812	CLA	CHD-C1D	4.73	1.47	1.38
14	G	812	CLA	CHD-C1D	4.73	1.47	1.38
14	A	829	CLA	C3C-C2C	4.73	1.46	1.36
14	A	827	CLA	C3C-C2C	4.73	1.46	1.36
14	B	831	CLA	C3B-C2B	4.73	1.46	1.40
14	H	808	CLA	C3C-C2C	4.73	1.46	1.36
14	H	822	CLA	O2A-C1	4.73	1.59	1.46
14	U	1006	CLA	C3B-C2B	4.73	1.46	1.40
14	G	815	CLA	C3C-C2C	4.73	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	809	CLA	O2A-C1	4.73	1.59	1.46
14	B	810	CLA	O2A-C1	4.73	1.59	1.46
14	G	807	CLA	CHD-C1D	4.73	1.47	1.38
14	T	101	CLA	CHD-C1D	4.73	1.47	1.38
14	A	803	CLA	O2A-C1	4.73	1.59	1.46
14	Y	805	CLA	O2A-C1	4.73	1.59	1.46
14	A	841	CLA	O2D-CGD	4.72	1.44	1.33
14	Y	809	CLA	CHD-C1D	4.72	1.47	1.38
14	Z	814	CLA	C3D-C4D	-4.72	1.33	1.44
14	X	1701	CLA	C3D-C4D	-4.72	1.33	1.44
14	Z	828	CLA	C3D-C4D	-4.72	1.33	1.44
14	H	802	CLA	CHD-C1D	4.72	1.47	1.38
14	Y	837	CLA	C3B-C2B	4.72	1.46	1.40
14	G	818	CLA	C3B-C2B	4.72	1.46	1.40
14	A	839	CLA	C3D-C4D	-4.72	1.33	1.44
14	H	831	CLA	O2A-C1	4.72	1.59	1.46
14	Y	812	CLA	O2A-C1	4.72	1.59	1.46
14	Y	838	CLA	O2D-CGD	4.72	1.44	1.33
14	B	807	CLA	OBD-CAD	4.72	1.30	1.22
14	Z	807	CLA	O2D-CGD	4.71	1.44	1.33
14	Z	826	CLA	C3B-C2B	4.71	1.46	1.40
13	Y	801	CL0	CHD-C1D	4.71	1.47	1.38
14	Y	831	CLA	O2A-C1	4.71	1.59	1.46
14	G	803	CLA	OBD-CAD	4.71	1.30	1.22
14	Y	837	CLA	C3C-C2C	4.71	1.46	1.36
14	Z	824	CLA	C3B-C2B	4.71	1.46	1.40
14	A	839	CLA	C3B-C2B	4.71	1.46	1.40
14	Y	821	CLA	O2D-CGD	4.71	1.44	1.33
14	Z	834	CLA	C3B-C2B	4.71	1.46	1.40
14	Z	814	CLA	C3B-C2B	4.70	1.46	1.40
14	Y	802	CLA	CHD-C1D	4.70	1.47	1.38
14	Z	837	CLA	O2A-C1	4.70	1.59	1.46
14	L	201	CLA	C3D-C4D	-4.70	1.33	1.44
14	B	821	CLA	C3C-C2C	4.70	1.46	1.36
14	G	839	CLA	C3C-C2C	4.70	1.46	1.36
14	Z	832	CLA	CHC-C1C	4.70	1.47	1.35
14	h	205	CLA	OBD-CAD	4.70	1.30	1.22
14	Z	809	CLA	CHC-C1C	4.69	1.47	1.35
14	G	825	CLA	O2A-C1	4.69	1.59	1.46
14	A	831	CLA	C3C-C2C	4.69	1.46	1.36
14	Y	810	CLA	C3C-C2C	4.69	1.46	1.36
14	A	804	CLA	C3D-C4D	-4.69	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	852	CLA	CHD-C1D	4.69	1.47	1.38
14	B	814	CLA	O2D-CGD	4.69	1.44	1.33
14	h	201	CLA	CHC-C1C	4.69	1.47	1.35
14	G	806	CLA	C3C-C2C	4.69	1.46	1.36
14	Z	833	CLA	C3B-C2B	4.69	1.46	1.40
14	F	202	CLA	O2D-CGD	4.69	1.44	1.33
14	G	818	CLA	CHC-C1C	4.69	1.47	1.35
14	H	819	CLA	C3B-C2B	4.69	1.46	1.40
13	A	801	CL0	C3D-C4D	-4.69	1.33	1.44
14	A	838	CLA	O2A-C1	4.69	1.59	1.46
14	B	804	CLA	CHD-C1D	4.69	1.47	1.38
14	A	832	CLA	C3B-C2B	4.69	1.46	1.40
14	Z	812	CLA	CHD-C1D	4.69	1.47	1.38
14	A	803	CLA	O2D-CGD	4.69	1.44	1.33
14	B	824	CLA	O2D-CGD	4.68	1.44	1.33
14	A	811	CLA	CHC-C1C	4.68	1.47	1.35
14	K	101	CLA	C3C-C2C	4.68	1.46	1.36
14	Y	831	CLA	C3D-C4D	-4.68	1.33	1.44
14	A	811	CLA	C3C-C2C	4.68	1.46	1.36
14	G	831	CLA	CHD-C1D	4.68	1.47	1.38
14	A	830	CLA	O2A-C1	4.68	1.59	1.46
14	U	1003	CLA	OBD-CAD	4.68	1.30	1.22
14	G	824	CLA	CHD-C1D	4.68	1.47	1.38
14	B	815	CLA	C3B-C2B	4.67	1.46	1.40
14	Z	838	CLA	CHD-C1D	4.67	1.47	1.38
14	G	819	CLA	C3C-C2C	4.67	1.46	1.36
14	B	816	CLA	CHD-C1D	4.67	1.47	1.38
14	Y	819	CLA	C3B-C2B	4.67	1.46	1.40
14	B	812	CLA	O2A-C1	4.67	1.59	1.46
14	A	803	CLA	C3D-C4D	-4.67	1.33	1.44
14	T	101	CLA	C3D-C4D	-4.67	1.33	1.44
14	A	811	CLA	C3B-C2B	4.67	1.46	1.40
14	Z	807	CLA	OBD-CAD	4.67	1.30	1.22
14	A	823	CLA	CHC-C1C	4.67	1.46	1.35
14	A	808	CLA	CHC-C1C	4.67	1.46	1.35
14	Z	839	CLA	CHC-C1C	4.67	1.46	1.35
14	H	815	CLA	C3C-C2C	4.66	1.46	1.36
14	X	1701	CLA	C3C-C2C	4.66	1.46	1.36
14	B	816	CLA	C3D-C4D	-4.66	1.33	1.44
14	B	805	CLA	CHC-C1C	4.66	1.46	1.35
14	Y	833	CLA	C3D-C4D	-4.66	1.33	1.44
14	Z	818	CLA	CHD-C4C	4.66	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	837	CLA	CHD-C1D	4.66	1.47	1.38
14	G	802	CLA	OBD-CAD	4.66	1.30	1.22
14	G	832	CLA	C3D-C4D	-4.66	1.33	1.44
14	A	807	CLA	C3B-C2B	4.66	1.46	1.40
14	d	201	CLA	O2A-C1	4.66	1.59	1.46
14	H	827	CLA	C1D-ND	-4.66	1.32	1.37
18	Y	850	LHG	O7-C7	4.66	1.47	1.34
14	A	814	CLA	O2A-C1	4.66	1.59	1.46
14	B	806	CLA	O2D-CGD	4.66	1.44	1.33
14	S	1101	CLA	C3D-C4D	-4.66	1.33	1.44
14	G	827	CLA	O2A-C1	4.65	1.59	1.46
14	A	835	CLA	C3C-C2C	4.65	1.46	1.36
14	A	820	CLA	C3B-C2B	4.65	1.46	1.40
14	A	807	CLA	CHD-C1D	4.65	1.47	1.38
14	Y	817	CLA	CHD-C1D	4.65	1.47	1.38
14	A	832	CLA	O2A-C1	4.65	1.59	1.46
14	K	101	CLA	CHD-C1D	4.65	1.47	1.38
14	Y	802	CLA	C3D-C4D	-4.65	1.33	1.44
14	H	820	CLA	C3C-C2C	4.65	1.46	1.36
14	Z	815	CLA	C3C-C2C	4.65	1.46	1.36
14	G	805	CLA	O2A-C1	4.64	1.59	1.46
14	G	806	CLA	C3D-C4D	-4.64	1.33	1.44
14	H	835	CLA	CHD-C1D	4.64	1.47	1.38
14	H	826	CLA	CHD-C1D	4.64	1.47	1.38
14	B	832	CLA	C3C-C2C	4.64	1.46	1.36
14	G	837	CLA	O2D-CGD	4.64	1.44	1.33
14	A	827	CLA	C3B-C2B	4.64	1.46	1.40
14	Y	812	CLA	CHD-C1D	4.64	1.47	1.38
14	A	808	CLA	C3C-C2C	4.64	1.46	1.36
14	g	102	CLA	C3C-C2C	4.64	1.46	1.36
14	Y	815	CLA	CHD-C1D	4.63	1.47	1.38
14	H	816	CLA	CHD-C1D	4.63	1.47	1.38
14	Y	836	CLA	OBD-CAD	4.63	1.30	1.22
14	A	808	CLA	CHD-C1D	4.63	1.47	1.38
14	Z	815	CLA	O2D-CGD	4.63	1.44	1.33
14	G	836	CLA	C3D-C4D	-4.63	1.33	1.44
14	G	853	CLA	C3C-C2C	4.63	1.46	1.36
14	U	1002	CLA	CHD-C1D	4.63	1.47	1.38
14	A	820	CLA	C3C-C2C	4.63	1.46	1.36
14	G	826	CLA	CHD-C1D	4.63	1.47	1.38
14	H	818	CLA	O2A-C1	4.63	1.59	1.46
14	L	204	CLA	CHD-C1D	4.63	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	841	CLA	C3C-C2C	4.62	1.46	1.36
14	A	805	CLA	C3C-C2C	4.62	1.46	1.36
14	G	813	CLA	C3D-C4D	-4.62	1.33	1.44
14	G	823	CLA	O2D-CGD	4.62	1.44	1.33
14	G	840	CLA	C3C-C2C	4.62	1.46	1.36
14	A	816	CLA	O2D-CGD	4.62	1.44	1.33
14	Z	814	CLA	C3C-C2C	4.62	1.46	1.36
14	B	835	CLA	CHD-C1D	4.62	1.47	1.38
14	H	812	CLA	CHD-C1D	4.62	1.47	1.38
14	H	810	CLA	C3B-C2B	4.62	1.46	1.40
14	A	802	CLA	CHD-C1D	4.62	1.47	1.38
14	Y	819	CLA	C3C-C2C	4.62	1.46	1.36
14	S	1102	CLA	C3B-C2B	4.62	1.46	1.40
14	Y	816	CLA	C3C-C2C	4.62	1.46	1.36
14	A	841	CLA	C3C-C2C	4.62	1.46	1.36
14	Z	801	CLA	O2A-C1	4.62	1.59	1.46
14	Z	826	CLA	CHD-C1D	4.61	1.47	1.38
14	S	1101	CLA	O2A-C1	4.61	1.59	1.46
14	h	205	CLA	CHD-C4C	4.61	1.49	1.39
14	H	822	CLA	C3B-C2B	4.61	1.46	1.40
14	H	805	CLA	CHD-C1D	4.61	1.47	1.38
14	A	802	CLA	C3C-C2C	4.61	1.46	1.36
14	Y	829	CLA	C3D-C4D	-4.61	1.33	1.44
14	Y	829	CLA	CHD-C4C	4.61	1.49	1.39
14	W	1701	CLA	CHD-C1D	4.61	1.47	1.38
13	A	801	CL0	C1D-ND	-4.61	1.32	1.37
14	h	205	CLA	CHC-C1C	4.61	1.46	1.35
14	H	837	CLA	CHD-C4C	4.61	1.49	1.39
14	H	807	CLA	OBD-CAD	4.61	1.30	1.22
14	Z	820	CLA	C3C-C2C	4.61	1.46	1.36
14	Z	819	CLA	C3C-C2C	4.60	1.46	1.36
14	B	814	CLA	C3B-C2B	4.60	1.46	1.40
14	B	814	CLA	C3C-C2C	4.60	1.46	1.36
14	d	202	CLA	CHD-C1D	4.60	1.47	1.38
14	f	101	CLA	CHD-C1D	4.60	1.47	1.38
14	B	819	CLA	C3D-C4D	-4.60	1.33	1.44
14	B	819	CLA	C3C-C2C	4.60	1.46	1.36
14	Y	832	CLA	C3C-C2C	4.60	1.46	1.36
14	G	841	CLA	CHD-C1D	4.60	1.47	1.38
14	f	102	CLA	CHD-C1D	4.60	1.47	1.38
14	G	807	CLA	C3D-C4D	-4.60	1.33	1.44
14	A	804	CLA	C3C-C2C	4.60	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	1701	CLA	C3C-C2C	4.60	1.46	1.36
14	B	805	CLA	O2D-CGD	4.60	1.44	1.33
14	S	1103	CLA	C3B-C2B	4.60	1.46	1.40
14	A	812	CLA	CHC-C1C	4.59	1.46	1.35
14	G	824	CLA	OBD-CAD	4.59	1.30	1.22
14	A	842	CLA	C3D-C4D	-4.59	1.33	1.44
14	G	822	CLA	CHD-C4C	4.59	1.49	1.39
14	A	812	CLA	C3B-C2B	4.59	1.46	1.40
14	Y	825	CLA	CHD-C1D	4.59	1.47	1.38
14	B	826	CLA	C3C-C2C	4.59	1.46	1.36
14	G	836	CLA	C3B-C2B	4.58	1.46	1.40
14	Y	822	CLA	C3C-C2C	4.58	1.46	1.36
14	Z	837	CLA	O2D-CGD	4.58	1.44	1.33
14	B	820	CLA	CHD-C1D	4.58	1.47	1.38
14	G	821	CLA	CHD-C1D	4.58	1.47	1.38
14	Z	806	CLA	CHC-C1C	4.58	1.46	1.35
14	Z	806	CLA	C3D-C4D	-4.58	1.33	1.44
14	Z	817	CLA	C3C-C2C	4.58	1.46	1.36
14	g	101	CLA	CHD-C4C	4.57	1.49	1.39
14	G	839	CLA	C3D-C4D	-4.57	1.33	1.44
14	Y	834	CLA	C3B-C2B	4.57	1.46	1.40
14	A	826	CLA	CHC-C1C	4.57	1.46	1.35
14	Z	805	CLA	CHC-C1C	4.57	1.46	1.35
14	Y	806	CLA	CHD-C1D	4.57	1.47	1.38
14	G	803	CLA	CHD-C1D	4.57	1.47	1.38
14	U	1004	CLA	CHC-C1C	4.57	1.46	1.35
14	Z	841	CLA	C3D-C4D	-4.57	1.33	1.44
14	U	1003	CLA	C3C-C2C	4.57	1.46	1.36
14	G	833	CLA	OBD-CAD	4.57	1.30	1.22
14	j	102	CLA	C3C-C2C	4.57	1.46	1.36
14	Y	815	CLA	OBD-CAD	4.57	1.30	1.22
14	A	830	CLA	C3D-C4D	-4.57	1.33	1.44
14	Z	826	CLA	C3C-C2C	4.56	1.46	1.36
19	H	848	LMG	O8-C28	4.56	1.46	1.33
14	G	834	CLA	CHD-C1D	4.56	1.47	1.38
14	G	830	CLA	C3C-C2C	4.56	1.46	1.36
14	A	820	CLA	O2D-CGD	4.56	1.44	1.33
14	d	201	CLA	C3D-C4D	-4.56	1.33	1.44
14	H	821	CLA	C3C-C2C	4.56	1.46	1.36
14	Z	804	CLA	O2A-C1	4.56	1.59	1.46
14	B	831	CLA	CHC-C1C	4.56	1.46	1.35
14	A	830	CLA	C3C-C2C	4.56	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	818	CLA	C3C-C2C	4.56	1.46	1.36
14	H	827	CLA	C3D-C4D	-4.55	1.33	1.44
14	H	834	CLA	CHD-C1D	4.55	1.47	1.38
14	G	820	CLA	C3D-C4D	-4.55	1.33	1.44
14	L	202	CLA	C3D-C4D	-4.55	1.33	1.44
14	L	205	CLA	OBD-CAD	4.55	1.30	1.22
14	A	834	CLA	C3C-C2C	4.55	1.46	1.36
14	Z	803	CLA	C3C-C2C	4.55	1.46	1.36
14	Y	807	CLA	CHD-C1D	4.55	1.47	1.38
14	A	854	CLA	C3B-C2B	4.55	1.46	1.40
14	B	816	CLA	O2A-C1	4.55	1.59	1.46
14	G	827	CLA	C3C-C2C	4.55	1.46	1.36
14	Y	826	CLA	CHD-C1D	4.55	1.47	1.38
14	Y	827	CLA	C3C-C2C	4.55	1.46	1.36
14	H	812	CLA	C3D-C4D	-4.54	1.33	1.44
14	G	822	CLA	C3C-C2C	4.54	1.46	1.36
14	G	853	CLA	CHC-C1C	4.54	1.46	1.35
14	A	803	CLA	CHD-C1D	4.54	1.47	1.38
14	A	821	CLA	C3C-C2C	4.54	1.46	1.36
14	G	817	CLA	CHD-C1D	4.54	1.47	1.38
14	Z	837	CLA	C3D-C4D	-4.54	1.33	1.44
14	G	826	CLA	O2A-C1	4.54	1.58	1.46
14	B	835	CLA	C3D-C4D	-4.54	1.33	1.44
14	A	817	CLA	C3B-C2B	4.54	1.46	1.40
14	Z	807	CLA	C3B-C2B	4.54	1.46	1.40
14	H	802	CLA	C3C-C2C	4.54	1.46	1.36
14	Q	202	CLA	CHD-C1D	4.54	1.47	1.38
14	Z	822	CLA	CHD-C1D	4.54	1.47	1.38
14	Z	811	CLA	C3B-C2B	4.53	1.46	1.40
14	Z	830	CLA	C3D-C4D	-4.53	1.33	1.44
14	H	834	CLA	C3C-C2C	4.53	1.46	1.36
14	B	838	CLA	C3D-C4D	-4.53	1.33	1.44
14	f	102	CLA	C3C-C2C	4.53	1.46	1.36
14	Y	804	CLA	CHD-C1D	4.53	1.47	1.38
14	Y	814	CLA	CHD-C1D	4.53	1.47	1.38
14	H	825	CLA	C3C-C2C	4.53	1.46	1.36
14	Y	805	CLA	C3C-C2C	4.53	1.46	1.36
14	j	102	CLA	C3B-C2B	4.53	1.46	1.40
14	B	805	CLA	C3D-C4D	-4.53	1.34	1.44
14	A	827	CLA	C1D-ND	-4.53	1.32	1.37
14	H	816	CLA	C3D-C4D	-4.53	1.34	1.44
14	A	805	CLA	C3B-C2B	4.52	1.46	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	811	CLA	C3C-C2C	4.52	1.46	1.36
14	Z	835	CLA	OBD-CAD	4.52	1.30	1.22
14	G	828	CLA	C3B-C2B	4.52	1.46	1.40
14	A	810	CLA	C3D-C4D	-4.52	1.34	1.44
14	B	803	CLA	C3D-C4D	-4.52	1.34	1.44
14	Z	820	CLA	C3B-C2B	4.52	1.46	1.40
14	Y	821	CLA	CHD-C1D	4.52	1.47	1.38
14	H	801	CLA	CHD-C1D	4.52	1.47	1.38
14	A	814	CLA	CHD-C1D	4.52	1.47	1.38
14	d	201	CLA	C3B-C2B	4.52	1.46	1.40
19	B	848	LMG	O8-C28	4.52	1.46	1.33
14	Y	826	CLA	O2A-C1	4.52	1.58	1.46
14	Z	832	CLA	CHD-C1D	4.52	1.47	1.38
14	G	838	CLA	C3B-C2B	4.51	1.46	1.40
14	A	802	CLA	CHC-C1C	4.51	1.46	1.35
15	A	844	PQN	C10-C5	4.51	1.48	1.40
14	Y	838	CLA	C3C-C2C	4.51	1.46	1.36
14	A	825	CLA	C3C-C2C	4.51	1.46	1.36
14	A	809	CLA	CHD-C1D	4.51	1.47	1.38
14	B	817	CLA	C3D-C4D	-4.51	1.34	1.44
14	A	842	CLA	OBD-CAD	4.51	1.30	1.22
14	Y	836	CLA	C3B-C2B	4.51	1.46	1.40
14	Y	841	CLA	O2D-CGD	4.51	1.44	1.33
14	F	202	CLA	C3C-C2C	4.51	1.46	1.36
14	H	829	CLA	C3D-C4D	-4.51	1.34	1.44
14	H	803	CLA	CHD-C1D	4.51	1.47	1.38
14	G	823	CLA	C3C-C2C	4.51	1.46	1.36
14	G	814	CLA	CHD-C1D	4.51	1.47	1.38
14	A	837	CLA	C3D-C4D	-4.51	1.34	1.44
14	H	814	CLA	CHD-C1D	4.50	1.47	1.38
14	A	807	CLA	C3D-C4D	-4.50	1.34	1.44
14	Z	815	CLA	CHD-C1D	4.50	1.47	1.38
14	g	101	CLA	C3C-C2C	4.50	1.46	1.36
14	A	839	CLA	C1D-ND	-4.50	1.32	1.37
14	Y	828	CLA	CHD-C1D	4.50	1.47	1.38
14	A	815	CLA	CHD-C1D	4.50	1.47	1.38
14	A	831	CLA	CHC-C1C	4.50	1.46	1.35
14	Y	815	CLA	C3C-C2C	4.50	1.46	1.36
14	H	808	CLA	CHD-C1D	4.50	1.47	1.38
14	J	101	CLA	C3C-C2C	4.50	1.46	1.36
14	G	841	CLA	CHC-C1C	4.49	1.46	1.35
14	A	837	CLA	C3C-C2C	4.49	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	807	CLA	C3C-C2C	4.49	1.46	1.36
14	A	827	CLA	CHD-C1D	4.49	1.47	1.38
14	Y	830	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	802	CLA	O2D-CGD	4.49	1.44	1.33
14	H	813	CLA	C3D-C4D	-4.49	1.34	1.44
14	f	101	CLA	C3B-C2B	4.49	1.46	1.40
14	A	806	CLA	C3B-C2B	4.49	1.46	1.40
14	B	811	CLA	C3B-C2B	4.49	1.46	1.40
14	G	818	CLA	C3D-C4D	-4.49	1.34	1.44
14	g	101	CLA	C3D-C4D	-4.49	1.34	1.44
14	Y	836	CLA	O2D-CGD	4.49	1.44	1.33
14	G	821	CLA	C3D-C4D	-4.49	1.34	1.44
14	H	802	CLA	C3D-C4D	-4.49	1.34	1.44
14	Y	808	CLA	CHD-C1D	4.48	1.47	1.38
14	H	823	CLA	CHD-C4C	4.48	1.49	1.39
14	G	835	CLA	C3C-C2C	4.48	1.46	1.36
14	H	819	CLA	C3C-C2C	4.48	1.46	1.36
14	U	1004	CLA	O2D-CGD	4.48	1.44	1.33
14	Y	829	CLA	O2D-CGD	4.48	1.44	1.33
14	Y	841	CLA	C3D-C4D	-4.48	1.34	1.44
14	B	812	CLA	CHC-C1C	4.48	1.46	1.35
14	Y	837	CLA	OBD-CAD	4.48	1.30	1.22
14	G	833	CLA	O2D-CGD	4.48	1.44	1.33
14	Y	822	CLA	CHD-C4C	4.48	1.49	1.39
14	H	820	CLA	CHC-C1C	4.48	1.46	1.35
13	G	801	CL0	C4B-NB	-4.48	1.31	1.35
14	B	809	CLA	CHD-C1D	4.47	1.47	1.38
14	H	836	CLA	C3C-C2C	4.47	1.46	1.36
14	A	839	CLA	O2D-CGD	4.47	1.44	1.33
14	A	834	CLA	C3D-C4D	-4.47	1.34	1.44
14	B	829	CLA	C3D-C4D	-4.47	1.34	1.44
14	Y	831	CLA	C3C-C2C	4.47	1.46	1.36
14	G	806	CLA	O2D-CGD	4.47	1.44	1.33
14	G	828	CLA	CHD-C1D	4.47	1.47	1.38
14	B	822	CLA	C3B-C2B	4.47	1.46	1.40
14	A	811	CLA	C3D-C4D	-4.47	1.34	1.44
14	G	838	CLA	CHD-C4C	4.47	1.49	1.39
14	K	102	CLA	CHD-C1D	4.47	1.47	1.38
14	G	829	CLA	C3C-C2C	4.47	1.46	1.36
14	Y	811	CLA	C3C-C2C	4.47	1.46	1.36
14	Z	824	CLA	CHD-C4C	4.47	1.49	1.39
18	Y	850	LHG	O8-C23	4.47	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	819	CLA	CHD-C4C	4.47	1.49	1.39
14	Y	819	CLA	CHD-C4C	4.47	1.49	1.39
14	G	825	CLA	CHC-C1C	4.47	1.46	1.35
14	H	851	CLA	C3C-C2C	4.46	1.46	1.36
14	T	101	CLA	C3B-C2B	4.46	1.46	1.40
14	A	824	CLA	C3B-C2B	4.46	1.46	1.40
14	h	206	CLA	C3D-C4D	-4.46	1.34	1.44
14	Z	836	CLA	C3B-C2B	4.46	1.46	1.40
14	B	840	CLA	CHD-C1D	4.46	1.47	1.38
14	G	812	CLA	C3D-C4D	-4.46	1.34	1.44
14	B	819	CLA	CHD-C1D	4.46	1.47	1.38
14	H	814	CLA	C3C-C2C	4.46	1.46	1.36
13	G	801	CL0	CHD-C4C	4.46	1.49	1.39
14	H	806	CLA	CHD-C4C	4.46	1.49	1.39
14	g	101	CLA	C3B-C2B	4.46	1.46	1.40
14	B	807	CLA	C3D-C4D	-4.46	1.34	1.44
14	A	854	CLA	O2D-CGD	4.46	1.44	1.33
14	H	804	CLA	C3D-C4D	-4.46	1.34	1.44
14	Y	835	CLA	O2D-CGD	4.46	1.44	1.33
14	Y	812	CLA	C3C-C2C	4.45	1.46	1.36
14	A	822	CLA	C3B-C2B	4.45	1.46	1.40
14	B	835	CLA	C3C-C2C	4.45	1.46	1.36
14	Z	824	CLA	C3C-C2C	4.45	1.46	1.36
14	A	823	CLA	CHD-C1D	4.45	1.47	1.38
14	Y	841	CLA	O2A-C1	4.45	1.58	1.46
14	A	803	CLA	OBD-CAD	4.45	1.30	1.22
13	G	801	CL0	CHC-C1C	4.45	1.46	1.35
14	B	818	CLA	CHC-C1C	4.45	1.46	1.35
14	Z	810	CLA	C3B-C2B	4.45	1.46	1.40
14	G	816	CLA	C3C-C2C	4.45	1.46	1.36
14	H	809	CLA	C3B-C2B	4.45	1.46	1.40
18	Y	851	LHG	O8-C23	4.45	1.46	1.33
14	A	806	CLA	C3D-C4D	-4.45	1.34	1.44
14	Z	809	CLA	C3D-C4D	-4.45	1.34	1.44
14	U	1004	CLA	C3C-C2C	4.45	1.46	1.36
14	Y	803	CLA	CHD-C1D	4.45	1.47	1.38
14	A	810	CLA	O2D-CGD	4.44	1.44	1.33
14	G	853	CLA	C3D-C4D	-4.44	1.34	1.44
14	A	819	CLA	C3C-C2C	4.44	1.46	1.36
14	Y	840	CLA	C3B-C2B	4.44	1.46	1.40
14	B	831	CLA	C3C-C2C	4.44	1.46	1.36
14	H	809	CLA	C1C-NC	-4.44	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	823	CLA	C3C-C2C	4.44	1.46	1.36
13	Y	801	CL0	C3C-C2C	4.44	1.46	1.36
14	B	832	CLA	C3B-C2B	4.44	1.46	1.40
14	A	829	CLA	C3D-C4D	-4.44	1.34	1.44
14	Y	826	CLA	C3C-C2C	4.44	1.46	1.36
14	H	838	CLA	C3C-C2C	4.44	1.46	1.36
14	Z	819	CLA	O2D-CGD	4.44	1.44	1.33
14	H	825	CLA	C3B-C2B	4.43	1.46	1.40
14	H	833	CLA	C3B-C2B	4.43	1.46	1.40
14	T	101	CLA	C3C-C2C	4.43	1.46	1.36
14	Y	827	CLA	C3D-C4D	-4.43	1.34	1.44
14	G	833	CLA	CHC-C1C	4.43	1.46	1.35
14	B	824	CLA	C3D-C4D	-4.43	1.34	1.44
14	G	814	CLA	C3B-C2B	4.43	1.46	1.40
14	U	1003	CLA	C1D-ND	-4.43	1.32	1.37
14	B	804	CLA	CHD-C4C	4.43	1.49	1.39
14	A	822	CLA	CHD-C1D	4.43	1.47	1.38
14	A	818	CLA	C3C-C2C	4.43	1.46	1.36
14	H	803	CLA	C3D-C4D	-4.43	1.34	1.44
14	G	852	CLA	C3C-C2C	4.43	1.46	1.36
14	A	818	CLA	CHD-C1D	4.42	1.47	1.38
18	B	849	LHG	O8-C23	4.42	1.46	1.33
14	A	805	CLA	OBD-CAD	4.42	1.30	1.22
14	A	837	CLA	C3B-C2B	4.42	1.46	1.40
14	A	832	CLA	C3D-C4D	-4.42	1.34	1.44
14	K	101	CLA	C3B-C2B	4.42	1.46	1.40
14	H	840	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	841	CLA	O2A-C1	4.42	1.58	1.46
14	H	807	CLA	O2D-CGD	4.42	1.44	1.33
14	h	206	CLA	O2D-CGD	4.42	1.44	1.33
14	H	822	CLA	CHD-C1D	4.42	1.47	1.38
14	B	828	CLA	CHD-C1D	4.42	1.47	1.38
14	Y	840	CLA	C1D-ND	-4.42	1.32	1.37
14	B	824	CLA	C3C-C2C	4.42	1.46	1.36
14	G	839	CLA	CHD-C4C	4.41	1.49	1.39
14	B	830	CLA	C3C-C2C	4.41	1.46	1.36
14	A	825	CLA	C3B-C2B	4.41	1.46	1.40
14	A	825	CLA	C3D-C4D	-4.41	1.34	1.44
14	A	835	CLA	CHD-C1D	4.41	1.47	1.38
14	B	833	CLA	C3C-C2C	4.41	1.46	1.36
18	A	853	LHG	O7-C7	4.41	1.46	1.34
14	Z	803	CLA	C3D-C4D	-4.41	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	807	CLA	C3D-C4D	-4.41	1.34	1.44
14	H	839	CLA	C3D-C4D	-4.41	1.34	1.44
14	A	828	CLA	C3C-C2C	4.41	1.46	1.36
14	Z	836	CLA	C3C-C2C	4.41	1.46	1.36
14	G	822	CLA	C3B-C2B	4.41	1.46	1.40
14	G	824	CLA	C3B-C2B	4.41	1.46	1.40
14	B	806	CLA	CHD-C1D	4.41	1.46	1.38
14	A	823	CLA	C3C-C2C	4.41	1.46	1.36
18	G	850	LHG	O7-C7	4.41	1.46	1.34
14	Y	812	CLA	C3B-C2B	4.41	1.46	1.40
14	U	1002	CLA	C3C-C2C	4.40	1.46	1.36
14	H	806	CLA	O2A-C1	4.40	1.58	1.46
14	H	832	CLA	C3C-C2C	4.40	1.46	1.36
14	H	805	CLA	C3C-C2C	4.40	1.46	1.36
13	G	801	CL0	C3B-C2B	4.40	1.46	1.40
14	h	204	CLA	CHD-C1D	4.40	1.46	1.38
14	H	814	CLA	OBD-CAD	4.40	1.30	1.22
14	B	804	CLA	O2D-CGD	4.40	1.43	1.33
14	Q	202	CLA	C3D-C4D	-4.40	1.34	1.44
14	G	802	CLA	C3C-C2C	4.40	1.46	1.36
14	h	204	CLA	C3D-C4D	-4.40	1.34	1.44
14	U	1002	CLA	O2D-CGD	4.40	1.43	1.33
14	A	814	CLA	C3D-C4D	-4.40	1.34	1.44
14	H	809	CLA	CHD-C1D	4.40	1.46	1.38
14	B	840	CLA	OBD-CAD	4.40	1.30	1.22
14	Z	830	CLA	C1D-ND	-4.40	1.32	1.37
14	B	801	CLA	CHD-C1D	4.40	1.46	1.38
14	Q	202	CLA	C3C-C2C	4.39	1.46	1.36
14	A	816	CLA	CHD-C1D	4.39	1.46	1.38
14	H	822	CLA	C3C-C2C	4.39	1.46	1.36
14	Z	827	CLA	CHC-C1C	4.39	1.46	1.35
14	K	101	CLA	C3D-C4D	-4.39	1.34	1.44
14	Z	835	CLA	C3C-C2C	4.39	1.46	1.36
14	H	828	CLA	CHD-C1D	4.39	1.46	1.38
14	B	833	CLA	C3D-C4D	-4.39	1.34	1.44
14	Z	830	CLA	O2D-CGD	4.39	1.43	1.33
14	H	813	CLA	CHD-C4C	4.39	1.49	1.39
14	Y	834	CLA	CHD-C4C	4.39	1.49	1.39
14	A	815	CLA	O2D-CGD	4.39	1.43	1.33
14	Y	810	CLA	CHD-C1D	4.39	1.46	1.38
14	Z	829	CLA	CHD-C1D	4.38	1.46	1.38
14	H	830	CLA	OBD-CAD	4.38	1.30	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	836	CLA	C3D-C4D	-4.38	1.34	1.44
14	Y	803	CLA	C3C-C2C	4.38	1.46	1.36
14	G	835	CLA	C3D-C4D	-4.38	1.34	1.44
14	B	825	CLA	O2A-C1	4.38	1.58	1.46
14	G	841	CLA	C3D-C4D	-4.38	1.34	1.44
14	G	842	CLA	C3D-C4D	-4.38	1.34	1.44
14	H	828	CLA	OBD-CAD	4.38	1.30	1.22
14	B	837	CLA	C3D-C4D	-4.38	1.34	1.44
14	G	804	CLA	C3B-C2B	4.38	1.46	1.40
14	Z	821	CLA	CHD-C1D	4.38	1.46	1.38
14	G	836	CLA	CHD-C4C	4.38	1.49	1.39
14	H	826	CLA	O2A-C1	4.38	1.58	1.46
13	Y	801	CL0	CHC-C1C	4.38	1.46	1.35
14	G	825	CLA	C3C-C2C	4.38	1.46	1.36
14	A	841	CLA	CHD-C1D	4.38	1.46	1.38
14	G	817	CLA	C3C-C2C	4.38	1.46	1.36
14	Y	839	CLA	C3C-C2C	4.37	1.46	1.36
14	Z	827	CLA	O2A-C1	4.37	1.58	1.46
14	G	838	CLA	C3D-C4D	-4.37	1.34	1.44
14	Z	826	CLA	CHD-C4C	4.37	1.49	1.39
14	B	805	CLA	C3B-C2B	4.37	1.46	1.40
14	Y	839	CLA	C3D-C4D	-4.37	1.34	1.44
14	B	807	CLA	C3C-C2C	4.37	1.46	1.36
14	A	825	CLA	CHD-C1D	4.37	1.46	1.38
14	Z	820	CLA	C3D-C4D	-4.37	1.34	1.44
14	H	811	CLA	C3B-C2B	4.37	1.46	1.40
14	H	839	CLA	OBD-CAD	4.37	1.30	1.22
14	Z	810	CLA	C3D-C4D	-4.37	1.34	1.44
14	G	820	CLA	C3C-C2C	4.37	1.46	1.36
14	U	1006	CLA	C3C-C2C	4.37	1.46	1.36
14	d	202	CLA	C3C-C2C	4.37	1.46	1.36
14	Y	804	CLA	C3C-C2C	4.37	1.46	1.36
14	T	101	CLA	CHD-C4C	4.36	1.49	1.39
14	d	201	CLA	CHD-C1D	4.36	1.46	1.38
14	T	103	CLA	C3C-C2C	4.36	1.46	1.36
14	G	809	CLA	OBD-CAD	4.36	1.30	1.22
14	A	821	CLA	CHD-C1D	4.36	1.46	1.38
14	Z	808	CLA	O2A-C1	4.36	1.58	1.46
14	H	829	CLA	C3C-C2C	4.36	1.46	1.36
14	H	830	CLA	O2D-CGD	4.36	1.43	1.33
14	A	806	CLA	CHD-C1D	4.35	1.46	1.38
14	G	827	CLA	C1D-ND	-4.35	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	805	CLA	C3D-C4D	-4.35	1.34	1.44
14	Y	826	CLA	C3D-C4D	-4.35	1.34	1.44
14	B	808	CLA	CHC-C1C	4.35	1.46	1.35
14	B	818	CLA	C3D-C4D	-4.35	1.34	1.44
14	G	817	CLA	C3D-C4D	-4.35	1.34	1.44
14	A	835	CLA	C3D-C4D	-4.35	1.34	1.44
14	A	808	CLA	C3D-C4D	-4.35	1.34	1.44
14	Z	818	CLA	C3D-C4D	-4.35	1.34	1.44
14	G	803	CLA	C3C-C2C	4.35	1.46	1.36
14	H	838	CLA	C3B-C2B	4.34	1.46	1.40
14	A	818	CLA	C3D-C4D	-4.34	1.34	1.44
14	Y	813	CLA	C3D-C4D	-4.34	1.34	1.44
14	Y	820	CLA	CHD-C1D	4.34	1.46	1.38
14	G	811	CLA	C3D-C4D	-4.34	1.34	1.44
14	Z	832	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	837	CLA	O2D-CGD	4.34	1.43	1.33
14	Z	808	CLA	C1D-ND	-4.34	1.32	1.37
14	G	823	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	807	CLA	C3C-C2C	4.34	1.45	1.36
14	Z	805	CLA	C3D-C4D	-4.34	1.34	1.44
14	H	806	CLA	C3D-C4D	-4.34	1.34	1.44
14	Z	838	CLA	OBD-CAD	4.34	1.30	1.22
14	H	813	CLA	OBD-CAD	4.33	1.29	1.22
14	Y	806	CLA	OBD-CAD	4.33	1.29	1.22
14	A	809	CLA	C3C-C2C	4.33	1.45	1.36
14	G	813	CLA	CHD-C1D	4.33	1.46	1.38
14	A	824	CLA	C3D-C4D	-4.33	1.34	1.44
14	A	841	CLA	C3B-C2B	4.33	1.46	1.40
14	H	827	CLA	CHD-C1D	4.33	1.46	1.38
14	G	842	CLA	CHD-C4C	4.33	1.49	1.39
14	Y	838	CLA	CHD-C4C	4.33	1.49	1.39
14	A	819	CLA	C3D-C4D	-4.33	1.34	1.44
14	Y	824	CLA	C3D-C4D	-4.33	1.34	1.44
14	Z	825	CLA	C3C-C2C	4.33	1.45	1.36
14	H	837	CLA	C3C-C2C	4.32	1.45	1.36
14	L	204	CLA	CHD-C4C	4.32	1.49	1.39
14	G	838	CLA	C3C-C2C	4.32	1.45	1.36
14	B	827	CLA	CHD-C4C	4.32	1.49	1.39
14	Z	832	CLA	C3C-C2C	4.32	1.45	1.36
14	H	833	CLA	C3C-C2C	4.32	1.45	1.36
14	B	828	CLA	CHC-C1C	4.32	1.46	1.35
14	G	802	CLA	CHD-C1D	4.32	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	814	CLA	C3D-C4D	-4.32	1.34	1.44
14	J	102	CLA	C3B-C2B	4.32	1.46	1.40
14	H	818	CLA	CHD-C4C	4.32	1.49	1.39
14	j	102	CLA	OBD-CAD	4.32	1.29	1.22
14	Z	804	CLA	C3D-C4D	-4.32	1.34	1.44
14	B	820	CLA	OBD-CAD	4.31	1.29	1.22
14	B	810	CLA	C3C-C2C	4.31	1.45	1.36
14	Z	831	CLA	C3D-C4D	-4.31	1.34	1.44
14	Y	819	CLA	OBD-CAD	4.31	1.29	1.22
14	Z	817	CLA	C3D-C4D	-4.31	1.34	1.44
14	Z	835	CLA	CHD-C4C	4.31	1.49	1.39
14	S	1101	CLA	CHD-C4C	4.31	1.49	1.39
14	Y	840	CLA	CHD-C1D	4.31	1.46	1.38
14	B	818	CLA	OBD-CAD	4.31	1.29	1.22
14	H	804	CLA	C3C-C2C	4.31	1.45	1.36
13	Y	801	CL0	C3D-C4D	-4.31	1.34	1.44
14	H	822	CLA	C3D-C4D	-4.31	1.34	1.44
14	H	813	CLA	C3C-C2C	4.30	1.45	1.36
14	G	816	CLA	C3D-C4D	-4.30	1.34	1.44
14	B	822	CLA	CHD-C4C	4.30	1.49	1.39
14	B	831	CLA	C3D-C4D	-4.30	1.34	1.44
14	A	842	CLA	O2D-CGD	4.30	1.43	1.33
19	H	848	LMG	O7-C10	4.30	1.46	1.34
14	A	841	CLA	C3D-C4D	-4.30	1.34	1.44
14	f	101	CLA	OBD-CAD	4.30	1.29	1.22
14	G	825	CLA	C3D-C4D	-4.30	1.34	1.44
14	H	830	CLA	C3D-C4D	-4.30	1.34	1.44
14	Y	809	CLA	C3C-C2C	4.30	1.45	1.36
14	A	839	CLA	CHD-C1D	4.30	1.46	1.38
14	A	843	CLA	OBD-CAD	4.30	1.29	1.22
14	S	1103	CLA	C3D-C4D	-4.30	1.34	1.44
14	Z	819	CLA	CHD-C4C	4.30	1.49	1.39
14	B	812	CLA	CHD-C1D	4.30	1.46	1.38
14	Y	806	CLA	C3D-C4D	-4.30	1.34	1.44
14	Z	839	CLA	C3B-C2B	4.30	1.46	1.40
14	Z	802	CLA	C3C-C2C	4.30	1.45	1.36
14	H	851	CLA	C3D-C4D	-4.30	1.34	1.44
14	H	826	CLA	C3D-C4D	-4.29	1.34	1.44
14	S	1103	CLA	CHD-C4C	4.29	1.49	1.39
14	J	101	CLA	C3B-C2B	4.29	1.46	1.40
18	j	101	LHG	O7-C7	4.29	1.46	1.34
14	Y	825	CLA	C3B-C2B	4.29	1.46	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	201	CLA	C3C-C2C	4.29	1.45	1.36
14	H	803	CLA	C3C-C2C	4.29	1.45	1.36
14	J	101	CLA	CHD-C1D	4.29	1.46	1.38
14	A	826	CLA	C3D-C4D	-4.29	1.34	1.44
14	Z	841	CLA	CHD-C1D	4.29	1.46	1.38
14	A	818	CLA	C3B-C2B	4.29	1.46	1.40
14	B	806	CLA	C3C-C2C	4.29	1.45	1.36
14	B	801	CLA	C3D-C4D	-4.29	1.34	1.44
14	Z	839	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	839	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	820	CLA	CHD-C4C	4.29	1.49	1.39
14	G	808	CLA	C3C-C2C	4.29	1.45	1.36
18	A	852	LHG	O7-C7	4.29	1.46	1.34
14	Z	840	CLA	C3D-C4D	-4.28	1.34	1.44
18	H	849	LHG	O8-C23	4.28	1.45	1.33
14	H	825	CLA	C3D-C4D	-4.28	1.34	1.44
14	h	201	CLA	O2A-C1	4.28	1.58	1.46
14	Y	840	CLA	C3D-C4D	-4.28	1.34	1.44
14	B	808	CLA	C3D-C4D	-4.28	1.34	1.44
14	Z	816	CLA	CHD-C1D	4.28	1.46	1.38
14	Z	838	CLA	C3D-C4D	-4.28	1.34	1.44
14	G	827	CLA	C3D-C4D	-4.28	1.34	1.44
14	G	852	CLA	C3D-C4D	-4.28	1.34	1.44
14	Y	802	CLA	CHD-C4C	4.28	1.49	1.39
14	A	802	CLA	C3D-C4D	-4.28	1.34	1.44
14	H	823	CLA	C3D-C4D	-4.28	1.34	1.44
14	Z	802	CLA	OBD-CAD	4.28	1.29	1.22
14	G	834	CLA	C3D-C4D	-4.28	1.34	1.44
14	Z	802	CLA	O2D-CGD	4.27	1.43	1.33
14	B	818	CLA	CHD-C1D	4.27	1.46	1.38
14	Z	834	CLA	C3C-C2C	4.27	1.45	1.36
14	Y	821	CLA	C3D-C4D	-4.27	1.34	1.44
14	B	834	CLA	C3B-C2B	4.27	1.46	1.40
14	B	840	CLA	C3B-C2B	4.27	1.46	1.40
13	A	801	CL0	CHC-C1C	4.27	1.45	1.35
14	G	805	CLA	C3D-C4D	-4.27	1.34	1.44
14	Z	840	CLA	C3C-C2C	4.27	1.45	1.36
14	H	820	CLA	C3B-C2B	4.27	1.46	1.40
14	A	805	CLA	CHD-C1D	4.27	1.46	1.38
14	B	810	CLA	CHD-C1D	4.27	1.46	1.38
14	Z	834	CLA	C3D-C4D	-4.27	1.34	1.44
14	A	843	CLA	C3C-C2C	4.27	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	823	CLA	C3D-C4D	-4.27	1.34	1.44
14	U	1007	CLA	C3C-C2C	4.27	1.45	1.36
14	B	829	CLA	C3B-C2B	4.27	1.46	1.40
14	B	823	CLA	C3D-C4D	-4.27	1.34	1.44
14	Z	825	CLA	C3D-C4D	-4.27	1.34	1.44
14	J	102	CLA	C3C-C2C	4.27	1.45	1.36
17	h	207	BCR	C11-C12	-4.26	1.23	1.34
14	B	830	CLA	C3D-C4D	-4.26	1.34	1.44
18	j	101	LHG	O8-C23	4.26	1.45	1.33
14	Y	820	CLA	C3D-C4D	-4.26	1.34	1.44
14	B	838	CLA	C3C-C2C	4.26	1.45	1.36
14	G	807	CLA	C3B-C2B	4.26	1.46	1.40
14	A	826	CLA	CHD-C4C	4.26	1.49	1.39
14	Y	827	CLA	CHD-C1D	4.26	1.46	1.38
14	B	840	CLA	CHD-C4C	4.26	1.49	1.39
14	Y	833	CLA	CHD-C4C	4.26	1.49	1.39
14	Z	830	CLA	C3B-C2B	4.26	1.46	1.40
14	Z	833	CLA	OBD-CAD	4.26	1.29	1.22
14	Z	822	CLA	C3C-C2C	4.26	1.45	1.36
14	Z	839	CLA	C3C-C2C	4.26	1.45	1.36
14	W	1701	CLA	C3D-C4D	-4.25	1.34	1.44
14	A	814	CLA	C3B-C2B	4.25	1.46	1.40
14	Y	804	CLA	OBD-CAD	4.25	1.29	1.22
14	Z	827	CLA	CHD-C1D	4.25	1.46	1.38
14	G	826	CLA	C3C-C2C	4.25	1.45	1.36
14	B	801	CLA	C3C-C2C	4.25	1.45	1.36
14	G	832	CLA	C3C-C2C	4.25	1.45	1.36
14	Z	833	CLA	C3D-C4D	-4.25	1.34	1.44
14	H	811	CLA	CHD-C1D	4.25	1.46	1.38
15	Y	842	PQN	C10-C5	4.25	1.47	1.40
14	A	831	CLA	C3D-C4D	-4.25	1.34	1.44
14	Y	835	CLA	CHD-C1D	4.25	1.46	1.38
14	d	202	CLA	C3D-C4D	-4.25	1.34	1.44
14	H	832	CLA	C3B-C2B	4.24	1.46	1.40
14	B	834	CLA	C3D-C4D	-4.24	1.34	1.44
14	H	813	CLA	C3B-C2B	4.24	1.46	1.40
14	Y	813	CLA	CHD-C1D	4.24	1.46	1.38
14	A	828	CLA	CHD-C1D	4.24	1.46	1.38
14	Z	803	CLA	CHD-C1D	4.24	1.46	1.38
14	G	804	CLA	C3C-C2C	4.24	1.45	1.36
14	H	833	CLA	C3D-C4D	-4.24	1.34	1.44
14	Y	802	CLA	OBD-CAD	4.24	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	820	CLA	CHD-C1D	4.24	1.46	1.38
14	B	839	CLA	CHD-C1D	4.24	1.46	1.38
14	U	1006	CLA	CHD-C1D	4.24	1.46	1.38
14	Z	831	CLA	C3C-C2C	4.23	1.45	1.36
14	Y	832	CLA	CHD-C1D	4.23	1.46	1.38
14	G	823	CLA	OBD-CAD	4.23	1.29	1.22
14	H	837	CLA	C3D-C4D	-4.23	1.34	1.44
14	Y	807	CLA	C3B-C2B	4.23	1.46	1.40
14	B	806	CLA	CHC-C1C	4.23	1.45	1.35
14	A	812	CLA	C3C-C2C	4.23	1.45	1.36
14	G	816	CLA	C3B-C2B	4.23	1.46	1.40
14	L	204	CLA	C3D-C4D	-4.23	1.34	1.44
14	g	102	CLA	C3D-C4D	-4.23	1.34	1.44
14	B	822	CLA	OBD-CAD	4.23	1.29	1.22
14	H	809	CLA	C3D-C4D	-4.23	1.34	1.44
14	G	818	CLA	C3C-C2C	4.23	1.45	1.36
14	A	803	CLA	CHC-C1C	4.23	1.45	1.35
14	B	810	CLA	C3D-C4D	-4.23	1.34	1.44
14	H	819	CLA	CHD-C1D	4.23	1.46	1.38
14	G	809	CLA	C3B-C2B	4.22	1.46	1.40
14	G	840	CLA	C3B-C2B	4.22	1.46	1.40
17	Y	849	BCR	C11-C12	-4.22	1.23	1.34
14	H	836	CLA	C3B-C2B	4.22	1.46	1.40
14	B	818	CLA	C3B-C2B	4.22	1.46	1.40
14	B	828	CLA	C1C-NC	-4.22	1.31	1.37
14	L	202	CLA	C1D-ND	-4.22	1.32	1.37
14	A	812	CLA	C3D-C4D	-4.22	1.34	1.44
14	A	836	CLA	CHD-C1D	4.22	1.46	1.38
14	L	202	CLA	CHD-C1D	4.22	1.46	1.38
14	Z	809	CLA	C3B-C2B	4.22	1.46	1.40
14	G	828	CLA	C3C-C2C	4.22	1.45	1.36
14	Z	802	CLA	CHD-C1D	4.22	1.46	1.38
14	H	811	CLA	C3C-C2C	4.22	1.45	1.36
14	L	206	CLA	C3C-C2C	4.22	1.45	1.36
17	H	843	BCR	C11-C12	-4.22	1.23	1.34
18	A	852	LHG	O8-C23	4.22	1.45	1.33
14	Y	823	CLA	OBD-CAD	4.21	1.29	1.22
14	Y	802	CLA	C3C-C2C	4.21	1.45	1.36
14	G	831	CLA	C3D-C4D	-4.21	1.34	1.44
14	U	1004	CLA	C3B-C2B	4.21	1.46	1.40
14	Y	828	CLA	C3D-C4D	-4.21	1.34	1.44
14	Y	816	CLA	C3D-C4D	-4.21	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	829	CLA	OBD-CAD	4.21	1.29	1.22
14	A	820	CLA	C3D-C4D	-4.21	1.34	1.44
14	G	813	CLA	C3C-C2C	4.21	1.45	1.36
14	H	820	CLA	C3D-C4D	-4.21	1.34	1.44
14	L	206	CLA	OBD-CAD	4.21	1.29	1.22
14	A	843	CLA	C3B-C2B	4.21	1.46	1.40
14	G	830	CLA	CHC-C1C	4.21	1.45	1.35
18	A	853	LHG	O8-C23	4.21	1.45	1.33
14	B	815	CLA	C3D-C4D	-4.21	1.34	1.44
14	Z	813	CLA	OBD-CAD	4.20	1.29	1.22
14	S	1102	CLA	C3D-C4D	-4.20	1.34	1.44
14	h	201	CLA	C3D-C4D	-4.20	1.34	1.44
14	Z	837	CLA	CHD-C1D	4.20	1.46	1.38
14	H	810	CLA	C3D-C4D	-4.20	1.34	1.44
14	Y	829	CLA	C3B-C2B	4.20	1.46	1.40
14	A	839	CLA	C3C-C2C	4.20	1.45	1.36
14	H	807	CLA	C3D-C4D	-4.20	1.34	1.44
14	A	838	CLA	C3C-C2C	4.20	1.45	1.36
14	Y	825	CLA	C3C-C2C	4.20	1.45	1.36
14	G	810	CLA	CHD-C4C	4.20	1.48	1.39
14	H	819	CLA	C3D-C4D	-4.20	1.34	1.44
14	Y	809	CLA	C3D-C4D	-4.20	1.34	1.44
14	Y	839	CLA	CHD-C1D	4.20	1.46	1.38
14	H	826	CLA	C3C-C2C	4.20	1.45	1.36
14	Z	826	CLA	C3D-C4D	-4.20	1.34	1.44
14	A	813	CLA	C3D-C4D	-4.20	1.34	1.44
14	j	102	CLA	CHD-C4C	4.20	1.48	1.39
14	T	103	CLA	C3B-C2B	4.20	1.46	1.40
14	Y	833	CLA	OBD-CAD	4.20	1.29	1.22
14	B	832	CLA	CHD-C1D	4.19	1.46	1.38
14	Z	813	CLA	CHD-C4C	4.19	1.48	1.39
14	A	840	CLA	C3D-C4D	-4.19	1.34	1.44
14	B	836	CLA	C3D-C4D	-4.19	1.34	1.44
14	A	820	CLA	CHD-C4C	4.19	1.48	1.39
14	H	835	CLA	C3C-C2C	4.19	1.45	1.36
14	H	809	CLA	CHD-C4C	4.19	1.48	1.39
14	h	205	CLA	C3D-C4D	-4.19	1.34	1.44
14	Y	841	CLA	C3C-C2C	4.19	1.45	1.36
14	Y	822	CLA	C3B-C2B	4.19	1.46	1.40
14	B	824	CLA	C3B-C2B	4.19	1.46	1.40
14	Y	813	CLA	C3C-C2C	4.19	1.45	1.36
14	H	837	CLA	C3B-C2B	4.19	1.46	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	1101	CLA	C3C-C2C	4.19	1.45	1.36
14	G	809	CLA	CHD-C1D	4.19	1.46	1.38
14	L	205	CLA	C3D-C4D	-4.18	1.34	1.44
14	B	817	CLA	CHD-C4C	4.18	1.48	1.39
14	Z	805	CLA	O2D-CGD	4.18	1.43	1.33
14	G	831	CLA	O2D-CGD	4.18	1.43	1.33
14	G	837	CLA	C3D-C4D	-4.18	1.34	1.44
14	H	811	CLA	CHD-C4C	4.18	1.48	1.39
14	B	814	CLA	CHD-C1D	4.18	1.46	1.38
14	H	816	CLA	C3C-C2C	4.18	1.45	1.36
13	G	801	CL0	OBD-CAD	4.18	1.29	1.22
14	G	813	CLA	CHD-C4C	4.18	1.48	1.39
14	A	817	CLA	CHD-C4C	4.18	1.48	1.39
14	U	1004	CLA	CHD-C1D	4.18	1.46	1.38
14	A	817	CLA	C3D-C4D	-4.17	1.34	1.44
14	G	828	CLA	C3D-C4D	-4.17	1.34	1.44
14	S	1101	CLA	C3B-C2B	4.17	1.46	1.40
14	Y	824	CLA	CHD-C1D	4.17	1.46	1.38
14	Z	817	CLA	CHD-C1D	4.17	1.46	1.38
14	H	831	CLA	C3C-C2C	4.17	1.45	1.36
14	B	809	CLA	C1D-ND	-4.17	1.32	1.37
14	H	804	CLA	OBD-CAD	4.17	1.29	1.22
14	G	808	CLA	C3D-C4D	-4.17	1.34	1.44
14	Z	822	CLA	OBD-CAD	4.17	1.29	1.22
14	B	806	CLA	C1C-NC	-4.17	1.31	1.37
14	G	803	CLA	C3B-C2B	4.17	1.46	1.40
14	H	834	CLA	C3D-C4D	-4.17	1.34	1.44
14	B	802	CLA	CHD-C4C	4.16	1.48	1.39
14	U	1006	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	812	CLA	C3D-C4D	-4.16	1.34	1.44
14	A	804	CLA	CHD-C4C	4.16	1.48	1.39
14	A	813	CLA	CHD-C4C	4.16	1.48	1.39
14	A	822	CLA	CHD-C4C	4.16	1.48	1.39
14	Z	840	CLA	C3B-C2B	4.16	1.46	1.40
14	G	815	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	828	CLA	OBD-CAD	4.16	1.29	1.22
14	Y	823	CLA	CHD-C4C	4.16	1.48	1.39
14	J	101	CLA	C3D-C4D	-4.16	1.34	1.44
14	B	830	CLA	C3B-C2B	4.16	1.46	1.40
14	Z	841	CLA	C3B-C2B	4.16	1.46	1.40
14	Z	824	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	808	CLA	CHC-C1C	4.16	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	840	CLA	CHD-C1D	4.16	1.46	1.38
14	Y	803	CLA	C3D-C4D	-4.16	1.34	1.44
14	G	819	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	820	CLA	CHD-C1D	4.15	1.46	1.38
14	B	815	CLA	OBD-CAD	4.15	1.29	1.22
14	G	833	CLA	C3D-C4D	-4.15	1.34	1.44
14	Y	823	CLA	C3B-C2B	4.15	1.46	1.40
14	Y	830	CLA	C3C-C2C	4.15	1.45	1.36
14	G	809	CLA	C3D-C4D	-4.15	1.34	1.44
14	G	808	CLA	C3B-C2B	4.15	1.46	1.40
14	G	825	CLA	CHD-C4C	4.15	1.48	1.39
14	Z	801	CLA	C3C-C2C	4.15	1.45	1.36
14	B	811	CLA	C3D-C4D	-4.15	1.34	1.44
18	H	849	LHG	O7-C7	4.14	1.46	1.34
14	Z	808	CLA	OBD-CAD	4.14	1.29	1.22
14	H	824	CLA	C3D-C4D	-4.14	1.34	1.44
14	h	204	CLA	CHD-C4C	4.14	1.48	1.39
14	K	102	CLA	C3C-C2C	4.14	1.45	1.36
14	Y	804	CLA	C3D-C4D	-4.14	1.34	1.44
14	G	824	CLA	C3C-C2C	4.14	1.45	1.36
14	f	102	CLA	C3D-C4D	-4.14	1.34	1.44
14	Z	804	CLA	CHD-C4C	4.14	1.48	1.39
14	Z	836	CLA	CHD-C1D	4.14	1.46	1.38
14	T	103	CLA	C3D-C4D	-4.14	1.34	1.44
14	Y	814	CLA	C3D-C4D	-4.14	1.34	1.44
14	G	829	CLA	CHD-C4C	4.13	1.48	1.39
14	U	1003	CLA	C3D-C4D	-4.13	1.34	1.44
14	G	804	CLA	C3D-C4D	-4.13	1.34	1.44
14	H	814	CLA	C3D-C4D	-4.13	1.34	1.44
14	Z	822	CLA	C3D-C4D	-4.13	1.34	1.44
14	A	835	CLA	OBD-CAD	4.13	1.29	1.22
14	W	1701	CLA	OBD-CAD	4.13	1.29	1.22
14	H	818	CLA	C3D-C4D	-4.13	1.34	1.44
14	B	816	CLA	C3C-C2C	4.13	1.45	1.36
14	Z	810	CLA	OBD-CAD	4.13	1.29	1.22
14	A	827	CLA	OBD-CAD	4.13	1.29	1.22
14	B	813	CLA	C3D-C4D	-4.13	1.34	1.44
14	A	843	CLA	CHD-C1D	4.13	1.46	1.38
14	Y	805	CLA	C3D-C4D	-4.13	1.34	1.44
14	B	825	CLA	C3D-C4D	-4.13	1.34	1.44
14	A	815	CLA	OBD-CAD	4.13	1.29	1.22
14	B	827	CLA	OBD-CAD	4.13	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	828	CLA	C3D-C4D	-4.13	1.34	1.44
14	A	823	CLA	C3D-C4D	-4.13	1.34	1.44
14	H	808	CLA	C3D-C4D	-4.13	1.34	1.44
14	Z	801	CLA	CHD-C1D	4.13	1.46	1.38
14	H	831	CLA	C3D-C4D	-4.12	1.34	1.44
14	f	102	CLA	OBD-CAD	4.12	1.29	1.22
14	Y	838	CLA	OBD-CAD	4.12	1.29	1.22
14	H	839	CLA	C3C-C2C	4.12	1.45	1.36
14	A	843	CLA	C3D-C4D	-4.12	1.34	1.44
14	G	814	CLA	C3C-C2C	4.12	1.45	1.36
14	A	827	CLA	C3D-C4D	-4.12	1.34	1.44
14	G	826	CLA	C3D-C4D	-4.12	1.34	1.44
14	A	812	CLA	CHD-C4C	4.12	1.48	1.39
14	B	805	CLA	CHD-C4C	4.12	1.48	1.39
14	H	804	CLA	CHD-C4C	4.12	1.48	1.39
14	H	820	CLA	OBD-CAD	4.12	1.29	1.22
14	Z	823	CLA	C3D-C4D	-4.12	1.34	1.44
14	A	833	CLA	CHD-C1D	4.12	1.46	1.38
14	Y	803	CLA	OBD-CAD	4.12	1.29	1.22
14	B	827	CLA	C3D-C4D	-4.12	1.34	1.44
14	G	815	CLA	OBD-CAD	4.11	1.29	1.22
14	G	808	CLA	CHD-C1D	4.11	1.46	1.38
14	G	825	CLA	OBD-CAD	4.11	1.29	1.22
14	Y	811	CLA	CHD-C4C	4.11	1.48	1.39
14	H	835	CLA	C3B-C2B	4.11	1.46	1.40
14	H	807	CLA	CHD-C1D	4.11	1.46	1.38
14	G	824	CLA	C3D-C4D	-4.11	1.34	1.44
14	G	805	CLA	C3C-C2C	4.11	1.45	1.36
14	H	817	CLA	C3C-C2C	4.11	1.45	1.36
14	B	813	CLA	C3C-C2C	4.11	1.45	1.36
14	G	818	CLA	CHD-C1D	4.11	1.46	1.38
14	H	818	CLA	C3B-C2B	4.11	1.46	1.40
14	B	808	CLA	CHD-C1D	4.11	1.46	1.38
14	B	817	CLA	C3C-C2C	4.11	1.45	1.36
14	Y	826	CLA	C3B-C2B	4.11	1.46	1.40
14	Y	812	CLA	CHD-C4C	4.11	1.48	1.39
14	Z	816	CLA	OBD-CAD	4.10	1.29	1.22
14	Z	825	CLA	CHD-C1D	4.10	1.46	1.38
14	B	831	CLA	CHD-C1D	4.10	1.46	1.38
14	Z	840	CLA	CHD-C1D	4.10	1.46	1.38
14	Z	829	CLA	C3B-C2B	4.10	1.46	1.40
18	G	851	LHG	O8-C23	4.10	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	840	CLA	C3D-C4D	-4.10	1.34	1.44
14	Y	835	CLA	C3D-C4D	-4.10	1.34	1.44
14	Z	830	CLA	CHD-C1D	4.10	1.46	1.38
14	G	839	CLA	C1D-C2D	4.10	1.53	1.45
14	Y	820	CLA	C3C-C2C	4.09	1.45	1.36
14	H	831	CLA	CHD-C1D	4.09	1.46	1.38
14	Z	809	CLA	CHD-C1D	4.09	1.46	1.38
14	B	815	CLA	CHD-C4C	4.09	1.48	1.39
14	K	102	CLA	C3D-C4D	-4.09	1.34	1.44
14	Z	812	CLA	CHD-C4C	4.09	1.48	1.39
14	B	813	CLA	OBD-CAD	4.09	1.29	1.22
14	H	810	CLA	MG-ND	-4.09	1.97	2.05
14	Y	814	CLA	O2D-CGD	4.09	1.43	1.33
14	H	814	CLA	C3B-C2B	4.09	1.46	1.40
14	A	805	CLA	C3D-C4D	-4.09	1.34	1.44
14	G	822	CLA	C3D-C4D	-4.09	1.34	1.44
14	G	835	CLA	CHD-C4C	4.09	1.48	1.39
14	H	851	CLA	CHD-C1D	4.09	1.46	1.38
14	H	804	CLA	CHD-C1D	4.08	1.46	1.38
14	G	802	CLA	C3D-C4D	-4.08	1.35	1.44
14	B	831	CLA	CHD-C4C	4.08	1.48	1.39
14	Y	825	CLA	C3D-C4D	-4.08	1.35	1.44
14	B	824	CLA	OBD-CAD	4.08	1.29	1.22
14	Y	828	CLA	C3B-C2B	4.08	1.46	1.40
14	H	802	CLA	OBD-CAD	4.08	1.29	1.22
14	G	812	CLA	C3B-C2B	4.08	1.46	1.40
14	A	835	CLA	CHD-C4C	4.08	1.48	1.39
14	Y	817	CLA	C3D-C4D	-4.08	1.35	1.44
14	A	829	CLA	CHD-C1D	4.08	1.46	1.38
14	H	817	CLA	C3D-C4D	-4.08	1.35	1.44
14	Y	807	CLA	C3D-C4D	-4.08	1.35	1.44
14	A	854	CLA	CHD-C1D	4.08	1.46	1.38
14	B	822	CLA	C3D-C4D	-4.08	1.35	1.44
14	G	812	CLA	CHD-C4C	4.08	1.48	1.39
14	H	811	CLA	C3D-C4D	-4.07	1.35	1.44
14	A	842	CLA	C3B-C2B	4.07	1.46	1.40
14	H	833	CLA	O2D-CGD	4.07	1.43	1.33
14	Y	822	CLA	C3D-C4D	-4.07	1.35	1.44
14	G	815	CLA	CHD-C4C	4.07	1.48	1.39
14	B	803	CLA	C1D-ND	-4.07	1.32	1.37
14	H	821	CLA	OBD-CAD	4.07	1.29	1.22
14	Z	804	CLA	C1D-ND	-4.07	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	801	CL0	CHD-C1D	4.07	1.46	1.38
14	B	805	CLA	C3C-C2C	4.07	1.45	1.36
14	Z	829	CLA	C3C-C2C	4.07	1.45	1.36
14	Y	836	CLA	C3C-C2C	4.07	1.45	1.36
14	A	840	CLA	C3B-C2B	4.07	1.46	1.40
14	Y	837	CLA	CHD-C4C	4.07	1.48	1.39
14	G	833	CLA	CHD-C1D	4.07	1.46	1.38
14	H	839	CLA	C3B-C2B	4.07	1.46	1.40
14	h	206	CLA	CHD-C4C	4.06	1.48	1.39
14	J	102	CLA	C3D-C4D	-4.06	1.35	1.44
14	H	838	CLA	CHD-C4C	4.06	1.48	1.39
14	Y	815	CLA	CHD-C4C	4.06	1.48	1.39
14	A	830	CLA	CHD-C4C	4.06	1.48	1.39
14	Z	802	CLA	C3D-C4D	-4.06	1.35	1.44
14	H	836	CLA	CHD-C1D	4.06	1.46	1.38
14	Z	805	CLA	CHD-C1D	4.06	1.46	1.38
14	H	821	CLA	C3D-C4D	-4.06	1.35	1.44
14	G	839	CLA	OBD-CAD	4.06	1.29	1.22
14	T	103	CLA	CHD-C4C	4.06	1.48	1.39
14	H	819	CLA	OBD-CAD	4.06	1.29	1.22
14	A	802	CLA	OBD-CAD	4.06	1.29	1.22
14	Z	810	CLA	CHC-C1C	4.05	1.45	1.35
13	G	801	CL0	C3D-C4D	-4.05	1.35	1.44
14	A	808	CLA	C3B-C2B	4.05	1.46	1.40
14	Z	806	CLA	CHD-C4C	4.05	1.48	1.39
14	A	816	CLA	C3C-C2C	4.05	1.45	1.36
14	Z	830	CLA	C3C-C2C	4.05	1.45	1.36
14	L	202	CLA	MG-ND	-4.05	1.97	2.05
14	H	815	CLA	OBD-CAD	4.05	1.29	1.22
14	H	817	CLA	OBD-CAD	4.05	1.29	1.22
14	A	828	CLA	C3B-C2B	4.05	1.46	1.40
14	G	816	CLA	CHD-C4C	4.05	1.48	1.39
14	Y	809	CLA	CHD-C4C	4.05	1.48	1.39
14	B	839	CLA	C1D-ND	-4.05	1.32	1.37
14	f	102	CLA	CHD-C4C	4.05	1.48	1.39
14	H	801	CLA	C3D-C4D	-4.05	1.35	1.44
14	H	828	CLA	C3B-C2B	4.05	1.46	1.40
14	A	821	CLA	C1D-ND	-4.04	1.32	1.37
14	H	833	CLA	CHD-C4C	4.04	1.48	1.39
14	B	825	CLA	C3C-C2C	4.04	1.45	1.36
14	B	822	CLA	C3C-C2C	4.04	1.45	1.36
14	Z	838	CLA	C3C-C2C	4.04	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	832	CLA	C3D-C4D	-4.04	1.35	1.44
14	Z	821	CLA	C3D-C4D	-4.04	1.35	1.44
14	B	824	CLA	CHD-C4C	4.04	1.48	1.39
14	Z	829	CLA	C3D-C4D	-4.04	1.35	1.44
14	U	1007	CLA	CHD-C1D	4.04	1.46	1.38
14	B	802	CLA	C3B-C2B	4.04	1.46	1.40
14	A	838	CLA	CHD-C4C	4.03	1.48	1.39
14	G	837	CLA	CHD-C4C	4.03	1.48	1.39
14	A	803	CLA	C3C-C2C	4.03	1.45	1.36
14	A	834	CLA	C3B-C2B	4.03	1.46	1.40
14	H	801	CLA	CHD-C4C	4.03	1.48	1.39
14	Z	816	CLA	C3D-C4D	-4.03	1.35	1.44
14	Y	812	CLA	C3D-C4D	-4.03	1.35	1.44
13	A	801	CL0	OBD-CAD	4.03	1.29	1.22
14	A	806	CLA	OBD-CAD	4.03	1.29	1.22
14	K	102	CLA	OBD-CAD	4.03	1.29	1.22
14	G	830	CLA	C3D-C4D	-4.03	1.35	1.44
14	A	829	CLA	C3B-C2B	4.03	1.46	1.40
14	Z	833	CLA	CHD-C4C	4.03	1.48	1.39
14	Z	841	CLA	CHD-C4C	4.03	1.48	1.39
14	L	206	CLA	CHD-C1D	4.02	1.46	1.38
14	H	805	CLA	C3B-C2B	4.02	1.46	1.40
14	Z	835	CLA	C3B-C2B	4.02	1.46	1.40
14	G	832	CLA	CHD-C1D	4.02	1.46	1.38
14	U	1003	CLA	CHD-C1D	4.02	1.46	1.38
14	H	804	CLA	C1D-ND	-4.02	1.32	1.37
14	Z	823	CLA	CHD-C4C	4.02	1.48	1.39
14	B	810	CLA	OBD-CAD	4.02	1.29	1.22
14	G	808	CLA	CHD-C4C	4.02	1.48	1.39
14	Z	839	CLA	CHD-C4C	4.02	1.48	1.39
14	Z	819	CLA	C3D-C4D	-4.02	1.35	1.44
14	Z	811	CLA	C3D-C4D	-4.02	1.35	1.44
14	Z	801	CLA	C3D-C4D	-4.02	1.35	1.44
14	L	206	CLA	C3D-C4D	-4.02	1.35	1.44
14	Y	807	CLA	CHD-C4C	4.02	1.48	1.39
14	A	810	CLA	CHD-C1D	4.02	1.46	1.38
14	G	819	CLA	C3B-C2B	4.01	1.45	1.40
14	H	824	CLA	CHD-C4C	4.01	1.48	1.39
14	G	802	CLA	CHD-C4C	4.01	1.48	1.39
14	A	802	CLA	CHD-C4C	4.01	1.48	1.39
14	G	830	CLA	CHD-C4C	4.01	1.48	1.39
14	G	832	CLA	CHD-C4C	4.01	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	G	846	BCR	C11-C12	-4.01	1.24	1.34
14	Z	822	CLA	CHD-C4C	4.01	1.48	1.39
14	B	805	CLA	C1C-NC	-4.01	1.31	1.37
14	B	820	CLA	C3D-C4D	-4.01	1.35	1.44
14	A	814	CLA	CHD-C4C	4.00	1.48	1.39
14	G	806	CLA	CHD-C1D	4.00	1.46	1.38
14	B	838	CLA	CHD-C4C	4.00	1.48	1.39
14	A	836	CLA	C3D-C4D	-4.00	1.35	1.44
14	Z	828	CLA	C3C-C2C	4.00	1.45	1.36
14	j	102	CLA	C3D-C4D	-4.00	1.35	1.44
14	B	816	CLA	CHD-C4C	4.00	1.48	1.39
14	H	814	CLA	CHD-C4C	4.00	1.48	1.39
14	B	836	CLA	OBD-CAD	4.00	1.29	1.22
14	Y	834	CLA	C3D-C4D	-4.00	1.35	1.44
14	A	811	CLA	CHD-C4C	4.00	1.48	1.39
14	H	815	CLA	CHD-C1D	4.00	1.46	1.38
14	Z	831	CLA	CHD-C1D	4.00	1.46	1.38
14	A	838	CLA	C3D-C4D	-4.00	1.35	1.44
14	B	837	CLA	C3B-C2B	4.00	1.45	1.40
14	H	803	CLA	C3B-C2B	4.00	1.45	1.40
14	Z	804	CLA	C3C-C2C	4.00	1.45	1.36
14	h	201	CLA	CHD-C1D	4.00	1.46	1.38
14	F	202	CLA	OBD-CAD	3.99	1.29	1.22
14	h	204	CLA	C3B-C2B	3.99	1.45	1.40
14	J	102	CLA	CHD-C4C	3.99	1.48	1.39
14	Y	826	CLA	OBD-CAD	3.99	1.29	1.22
14	A	831	CLA	CHD-C4C	3.99	1.48	1.39
14	B	825	CLA	MG-ND	-3.99	1.97	2.05
14	H	833	CLA	OBD-CAD	3.99	1.29	1.22
14	X	1701	CLA	CHD-C4C	3.99	1.48	1.39
14	H	807	CLA	C3C-C2C	3.99	1.45	1.36
14	A	824	CLA	OBD-CAD	3.99	1.29	1.22
14	G	822	CLA	OBD-CAD	3.99	1.29	1.22
14	Y	816	CLA	CHD-C4C	3.99	1.48	1.39
14	G	811	CLA	CHD-C4C	3.99	1.48	1.39
14	U	1002	CLA	C3D-C4D	-3.99	1.35	1.44
14	G	821	CLA	CHD-C4C	3.99	1.48	1.39
14	Y	828	CLA	CHD-C4C	3.99	1.48	1.39
14	S	1103	CLA	C3C-C2C	3.98	1.45	1.36
14	H	835	CLA	C3D-C4D	-3.98	1.35	1.44
14	A	820	CLA	OBD-CAD	3.98	1.29	1.22
14	Z	810	CLA	CHD-C1D	3.98	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	202	CLA	CHD-C4C	3.98	1.48	1.39
14	H	830	CLA	CHD-C1D	3.98	1.46	1.38
14	Z	828	CLA	CHD-C4C	3.98	1.48	1.39
14	h	206	CLA	CHD-C1D	3.98	1.46	1.38
14	H	832	CLA	C3D-C4D	-3.98	1.35	1.44
14	F	202	CLA	CHD-C1D	3.98	1.46	1.38
14	G	825	CLA	C3B-C2B	3.98	1.45	1.40
14	Y	828	CLA	C3C-C2C	3.98	1.45	1.36
14	B	825	CLA	C1D-ND	-3.98	1.32	1.37
18	B	849	LHG	O7-C7	3.98	1.45	1.34
14	H	832	CLA	CHD-C4C	3.98	1.48	1.39
14	Y	829	CLA	OBD-CAD	3.98	1.29	1.22
14	h	204	CLA	C3C-C2C	3.97	1.45	1.36
14	B	840	CLA	C3D-C4D	-3.97	1.35	1.44
13	Y	801	CL0	CHD-C4C	3.97	1.48	1.39
14	Z	827	CLA	CHD-C4C	3.97	1.48	1.39
14	A	817	CLA	OBD-CAD	3.97	1.29	1.22
14	A	854	CLA	C3C-C2C	3.97	1.45	1.36
14	G	829	CLA	C3B-C2B	3.97	1.45	1.40
14	K	101	CLA	CHD-C4C	3.97	1.48	1.39
14	H	823	CLA	C3C-C2C	3.97	1.45	1.36
14	Y	808	CLA	C3D-C4D	-3.97	1.35	1.44
14	S	1103	CLA	OBD-CAD	3.97	1.29	1.22
13	Y	801	CL0	OBD-CAD	3.97	1.29	1.22
14	Z	812	CLA	C3C-C2C	3.97	1.45	1.36
14	Z	813	CLA	C3D-C4D	-3.97	1.35	1.44
14	Z	834	CLA	CHD-C4C	3.96	1.48	1.39
14	Y	810	CLA	C3D-C4D	-3.96	1.35	1.44
14	B	803	CLA	CHD-C1D	3.96	1.46	1.38
14	L	202	CLA	C3C-C2C	3.96	1.45	1.36
14	B	816	CLA	OBD-CAD	3.96	1.29	1.22
14	G	841	CLA	CHD-C4C	3.96	1.48	1.39
14	A	836	CLA	OBD-CAD	3.96	1.29	1.22
14	G	829	CLA	C3D-C4D	-3.96	1.35	1.44
14	B	811	CLA	CHD-C4C	3.96	1.48	1.39
14	A	832	CLA	O2D-CGD	3.95	1.42	1.33
14	H	802	CLA	CHD-C4C	3.95	1.48	1.39
14	B	818	CLA	C3C-C2C	3.95	1.45	1.36
14	B	804	CLA	C3B-C2B	3.95	1.45	1.40
14	G	853	CLA	CHD-C4C	3.95	1.48	1.39
14	Y	822	CLA	OBD-CAD	3.95	1.29	1.22
14	A	824	CLA	CHD-C4C	3.95	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	812	CLA	CHD-C4C	3.95	1.48	1.39
14	Z	820	CLA	OBD-CAD	3.95	1.29	1.22
14	Z	834	CLA	OBD-CAD	3.95	1.29	1.22
14	B	818	CLA	CHD-C4C	3.95	1.48	1.39
14	H	826	CLA	CHD-C4C	3.95	1.48	1.39
14	Z	806	CLA	OBD-CAD	3.95	1.29	1.22
14	J	101	CLA	CHD-C4C	3.95	1.48	1.39
14	A	827	CLA	CHD-C4C	3.95	1.48	1.39
14	B	835	CLA	CHD-C4C	3.95	1.48	1.39
14	G	810	CLA	C3D-C4D	-3.94	1.35	1.44
14	G	809	CLA	C3C-C2C	3.94	1.45	1.36
14	Y	836	CLA	CHD-C4C	3.94	1.48	1.39
14	A	809	CLA	C3D-C4D	-3.94	1.35	1.44
14	A	840	CLA	C3C-C2C	3.94	1.45	1.36
14	G	827	CLA	CHD-C1D	3.94	1.46	1.38
14	Y	811	CLA	C3D-C4D	-3.94	1.35	1.44
14	B	832	CLA	CHD-C4C	3.94	1.48	1.39
14	B	821	CLA	C3B-C2B	3.94	1.45	1.40
13	G	801	CL0	C3C-C2C	3.94	1.45	1.36
13	A	801	CL0	CHD-C4C	3.93	1.48	1.39
14	A	815	CLA	C3D-C4D	-3.93	1.35	1.44
14	A	807	CLA	CHD-C4C	3.93	1.48	1.39
14	H	834	CLA	CHD-C4C	3.93	1.48	1.39
14	Z	816	CLA	CHD-C4C	3.93	1.48	1.39
14	Y	820	CLA	CHD-C4C	3.93	1.48	1.39
14	Y	837	CLA	C3D-C4D	-3.93	1.35	1.44
14	A	816	CLA	C3D-C4D	-3.93	1.35	1.44
14	Z	807	CLA	CHD-C4C	3.92	1.48	1.39
14	B	828	CLA	C3C-C2C	3.92	1.45	1.36
14	A	815	CLA	CHD-C4C	3.92	1.48	1.39
14	f	101	CLA	CHD-C4C	3.92	1.48	1.39
14	Y	827	CLA	OBD-CAD	3.92	1.29	1.22
14	Z	812	CLA	C3B-C2B	3.92	1.45	1.40
14	Y	828	CLA	OBD-CAD	3.92	1.29	1.22
14	H	827	CLA	C3C-C2C	3.91	1.45	1.36
14	Z	840	CLA	OBD-CAD	3.91	1.29	1.22
14	Z	811	CLA	C3C-C2C	3.91	1.45	1.36
14	H	812	CLA	C3B-C2B	3.91	1.45	1.40
14	H	829	CLA	CHC-C1C	3.91	1.45	1.35
14	G	806	CLA	OBD-CAD	3.91	1.29	1.22
14	Y	841	CLA	CHD-C4C	3.91	1.48	1.39
14	Z	825	CLA	OBD-CAD	3.90	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	818	CLA	C3D-C4D	-3.90	1.35	1.44
14	G	804	CLA	CHD-C4C	3.90	1.48	1.39
13	A	801	CL0	C3C-C2C	3.90	1.45	1.36
14	J	102	CLA	OBD-CAD	3.90	1.29	1.22
14	Z	810	CLA	C3C-C2C	3.90	1.45	1.36
14	A	823	CLA	CHD-C4C	3.90	1.48	1.39
17	Z	843	BCR	C11-C12	-3.90	1.24	1.34
14	H	838	CLA	C3D-C4D	-3.90	1.35	1.44
14	H	835	CLA	CHD-C4C	3.90	1.48	1.39
14	Z	835	CLA	C3D-C4D	-3.90	1.35	1.44
14	Z	805	CLA	C1D-ND	-3.89	1.33	1.37
19	Z	849	LMG	O7-C10	3.89	1.45	1.34
14	H	832	CLA	OBD-CAD	3.89	1.29	1.22
14	A	831	CLA	C1D-ND	-3.89	1.33	1.37
14	H	831	CLA	CHD-C4C	3.89	1.48	1.39
14	d	201	CLA	CHD-C4C	3.89	1.48	1.39
14	Y	840	CLA	C3C-C2C	3.89	1.45	1.36
14	Z	809	CLA	C3C-C2C	3.89	1.45	1.36
14	B	801	CLA	C3B-C2B	3.89	1.45	1.40
14	U	1002	CLA	C3B-C2B	3.89	1.45	1.40
14	Y	805	CLA	CHD-C4C	3.89	1.48	1.39
14	B	839	CLA	C3C-C2C	3.89	1.45	1.36
14	B	836	CLA	C1D-ND	-3.88	1.33	1.37
14	Y	804	CLA	CHD-C4C	3.88	1.48	1.39
14	A	821	CLA	CHD-C4C	3.88	1.48	1.39
14	L	201	CLA	C3C-C2C	3.88	1.45	1.36
14	A	815	CLA	C3B-C2B	3.88	1.45	1.40
14	G	830	CLA	C1C-NC	-3.88	1.32	1.37
14	F	202	CLA	C3D-C4D	-3.88	1.35	1.44
14	Z	808	CLA	C3B-C2B	3.88	1.45	1.40
14	Z	830	CLA	OBD-CAD	3.88	1.29	1.22
14	Y	813	CLA	OBD-CAD	3.87	1.29	1.22
14	A	838	CLA	OBD-CAD	3.87	1.29	1.22
14	A	841	CLA	OBD-CAD	3.87	1.29	1.22
14	H	809	CLA	OBD-CAD	3.87	1.29	1.22
14	Y	818	CLA	CHD-C4C	3.87	1.48	1.39
14	H	836	CLA	C3D-C4D	-3.87	1.35	1.44
14	H	827	CLA	C3B-C2B	3.87	1.45	1.40
14	f	101	CLA	C3D-C4D	-3.86	1.35	1.44
14	A	818	CLA	CHD-C4C	3.86	1.48	1.39
14	G	833	CLA	C1D-ND	-3.86	1.33	1.37
14	H	829	CLA	C3B-C2B	3.86	1.45	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	806	CLA	CHD-C4C	3.86	1.48	1.39
14	A	833	CLA	CHD-C4C	3.86	1.48	1.39
14	B	801	CLA	OBD-CAD	3.86	1.29	1.22
14	B	828	CLA	OBD-CAD	3.86	1.29	1.22
14	G	824	CLA	CHD-C4C	3.86	1.48	1.39
14	A	816	CLA	OBD-CAD	3.86	1.29	1.22
14	B	801	CLA	C1D-ND	-3.85	1.33	1.37
14	Y	826	CLA	C1D-ND	-3.85	1.33	1.37
14	Z	813	CLA	C3B-C2B	3.85	1.45	1.40
14	A	832	CLA	OBD-CAD	3.85	1.29	1.22
14	Y	836	CLA	C3D-C4D	-3.85	1.35	1.44
14	Z	815	CLA	CHD-C4C	3.85	1.48	1.39
14	Y	813	CLA	CHD-C4C	3.85	1.48	1.39
14	H	825	CLA	CHD-C1D	3.85	1.45	1.38
14	S	1102	CLA	OBD-CAD	3.85	1.29	1.22
14	B	802	CLA	OBD-CAD	3.85	1.29	1.22
14	B	806	CLA	CHD-C4C	3.84	1.48	1.39
14	Y	814	CLA	OBD-CAD	3.84	1.29	1.22
14	L	201	CLA	C1D-ND	-3.84	1.33	1.37
14	h	201	CLA	OBD-CAD	3.84	1.29	1.22
14	A	821	CLA	OBD-CAD	3.84	1.29	1.22
14	f	102	CLA	C3B-C2B	3.84	1.45	1.40
14	B	812	CLA	CHD-C4C	3.84	1.48	1.39
14	G	823	CLA	CHD-C4C	3.83	1.48	1.39
14	H	822	CLA	OBD-CAD	3.83	1.29	1.22
14	L	201	CLA	CHD-C1D	3.83	1.45	1.38
14	H	820	CLA	CHD-C1D	3.83	1.45	1.38
14	A	830	CLA	C3B-C2B	3.83	1.45	1.40
14	S	1102	CLA	CHD-C4C	3.83	1.48	1.39
14	Y	831	CLA	CHD-C4C	3.83	1.48	1.39
14	B	802	CLA	C3C-C2C	3.83	1.44	1.36
17	Q	201	BCR	C11-C12	-3.83	1.24	1.34
14	B	812	CLA	C1C-NC	-3.83	1.32	1.37
14	Y	815	CLA	C3D-C4D	-3.82	1.35	1.44
14	H	817	CLA	CHD-C4C	3.82	1.48	1.39
14	A	804	CLA	OBD-CAD	3.82	1.29	1.22
14	G	828	CLA	CHD-C4C	3.82	1.48	1.39
14	H	825	CLA	CHD-C4C	3.82	1.48	1.39
14	Y	838	CLA	C3D-C4D	-3.82	1.35	1.44
14	Y	808	CLA	C3C-C2C	3.82	1.44	1.36
14	H	825	CLA	OBD-CAD	3.82	1.29	1.22
14	G	811	CLA	OBD-CAD	3.82	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	833	CLA	CHD-C4C	3.82	1.47	1.39
14	A	806	CLA	CHD-C4C	3.82	1.47	1.39
14	G	814	CLA	C3D-C4D	-3.81	1.35	1.44
14	A	811	CLA	OBD-CAD	3.81	1.29	1.22
14	G	826	CLA	CHD-C4C	3.81	1.47	1.39
14	h	206	CLA	C3B-C2B	3.81	1.45	1.40
14	Z	838	CLA	CHD-C4C	3.81	1.47	1.39
14	Z	829	CLA	C1D-ND	-3.81	1.33	1.37
14	H	805	CLA	OBD-CAD	3.81	1.29	1.22
14	Z	823	CLA	C3D-C2D	3.80	1.49	1.39
14	H	818	CLA	OBD-CAD	3.80	1.29	1.22
14	B	833	CLA	OBD-CAD	3.80	1.29	1.22
14	A	840	CLA	OBD-CAD	3.80	1.29	1.22
14	B	819	CLA	CHD-C4C	3.80	1.47	1.39
14	T	103	CLA	OBD-CAD	3.80	1.29	1.22
14	H	829	CLA	CHD-C4C	3.80	1.47	1.39
14	B	840	CLA	C1C-NC	-3.80	1.32	1.37
14	U	1007	CLA	C1D-ND	-3.80	1.33	1.37
14	G	831	CLA	C3C-C2C	3.80	1.44	1.36
14	Z	804	CLA	C3B-C2B	3.79	1.45	1.40
14	G	807	CLA	CHD-C4C	3.79	1.47	1.39
14	Z	819	CLA	C3B-C2B	3.79	1.45	1.40
14	A	808	CLA	CHD-C4C	3.79	1.47	1.39
14	B	839	CLA	CHD-C4C	3.79	1.47	1.39
14	W	1701	CLA	CHD-C4C	3.79	1.47	1.39
14	B	804	CLA	C1C-NC	-3.79	1.32	1.37
14	B	839	CLA	C3B-C2B	3.79	1.45	1.40
14	A	819	CLA	CHD-C1D	3.79	1.45	1.38
14	J	101	CLA	OBD-CAD	3.79	1.29	1.22
17	H	844	BCR	C11-C12	-3.79	1.24	1.34
14	A	816	CLA	CHD-C4C	3.78	1.47	1.39
14	G	817	CLA	CHD-C4C	3.78	1.47	1.39
14	A	831	CLA	OBD-CAD	3.78	1.29	1.22
14	G	820	CLA	OBD-CAD	3.78	1.29	1.22
14	U	1002	CLA	CHD-C4C	3.78	1.47	1.39
14	Y	821	CLA	CHD-C4C	3.78	1.47	1.39
14	A	833	CLA	C3C-C2C	3.78	1.44	1.36
14	B	831	CLA	OBD-CAD	3.78	1.29	1.22
14	B	812	CLA	C3C-C2C	3.78	1.44	1.36
14	H	837	CLA	OBD-CAD	3.78	1.29	1.22
14	Y	819	CLA	C3D-C4D	-3.78	1.35	1.44
14	A	839	CLA	OBD-CAD	3.77	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	805	CLA	OBD-CAD	3.77	1.29	1.22
14	G	810	CLA	OBD-CAD	3.77	1.29	1.22
14	L	205	CLA	CHD-C1D	3.77	1.45	1.38
14	B	808	CLA	C3C-C2C	3.77	1.44	1.36
14	G	819	CLA	OBD-CAD	3.77	1.29	1.22
13	Y	801	CL0	C1D-ND	-3.77	1.33	1.37
14	Y	824	CLA	CHD-C4C	3.77	1.47	1.39
14	Y	825	CLA	CHD-C4C	3.77	1.47	1.39
14	Z	803	CLA	CHD-C4C	3.77	1.47	1.39
17	J	104	BCR	C11-C12	-3.77	1.24	1.34
14	G	818	CLA	CHD-C4C	3.77	1.47	1.39
14	Y	839	CLA	CHD-C4C	3.77	1.47	1.39
14	H	819	CLA	CHD-C4C	3.77	1.47	1.39
14	Z	825	CLA	CHD-C4C	3.76	1.47	1.39
14	B	810	CLA	CHD-C4C	3.76	1.47	1.39
14	B	803	CLA	C3C-C2C	3.76	1.44	1.36
14	G	842	CLA	OBD-CAD	3.76	1.29	1.22
14	Z	826	CLA	OBD-CAD	3.76	1.29	1.22
14	H	815	CLA	C3D-C4D	-3.76	1.35	1.44
14	g	102	CLA	OBD-CAD	3.76	1.29	1.22
14	g	102	CLA	CHD-C4C	3.76	1.47	1.39
14	B	802	CLA	C1C-NC	-3.76	1.32	1.37
14	Z	819	CLA	OBD-CAD	3.75	1.28	1.22
14	A	805	CLA	CHD-C4C	3.75	1.47	1.39
14	B	804	CLA	C3C-C2C	3.75	1.44	1.36
14	B	833	CLA	CHD-C4C	3.75	1.47	1.39
14	B	814	CLA	CHD-C4C	3.75	1.47	1.39
14	Y	833	CLA	C3B-C2B	3.75	1.45	1.40
14	H	809	CLA	O2D-CGD	3.75	1.42	1.33
14	G	834	CLA	CHD-C4C	3.75	1.47	1.39
14	A	842	CLA	CHD-C4C	3.75	1.47	1.39
14	Y	840	CLA	OBD-CAD	3.75	1.28	1.22
14	H	806	CLA	C3B-C2B	3.75	1.45	1.40
14	B	819	CLA	C1D-ND	-3.75	1.33	1.37
14	H	803	CLA	CHD-C4C	3.75	1.47	1.39
14	G	805	CLA	CHD-C1D	3.74	1.45	1.38
14	Y	835	CLA	CHD-C4C	3.74	1.47	1.39
17	S	1104	BCR	C11-C12	-3.74	1.24	1.34
14	B	821	CLA	CHD-C4C	3.74	1.47	1.39
14	H	802	CLA	C3B-C2B	3.74	1.45	1.40
14	B	824	CLA	C1D-ND	-3.74	1.33	1.37
14	Z	806	CLA	C3C-C2C	3.74	1.44	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	813	CLA	CHD-C1D	3.74	1.45	1.38
14	G	835	CLA	OBD-CAD	3.73	1.28	1.22
14	B	836	CLA	C3B-C2B	3.73	1.45	1.40
14	G	838	CLA	OBD-CAD	3.73	1.28	1.22
14	B	812	CLA	OBD-CAD	3.73	1.28	1.22
14	B	803	CLA	CHD-C4C	3.73	1.47	1.39
14	H	810	CLA	CHD-C1D	3.72	1.45	1.38
14	H	828	CLA	C3D-C4D	-3.72	1.35	1.44
14	H	804	CLA	C3B-C2B	3.72	1.45	1.40
13	A	801	CL0	C3B-C2B	3.72	1.45	1.40
14	H	816	CLA	C1D-ND	-3.72	1.33	1.37
14	A	810	CLA	OBD-CAD	3.72	1.28	1.22
14	B	839	CLA	OBD-CAD	3.72	1.28	1.22
14	Y	814	CLA	CHD-C4C	3.72	1.47	1.39
14	H	816	CLA	OBD-CAD	3.72	1.28	1.22
14	B	826	CLA	CHD-C4C	3.72	1.47	1.39
14	Z	815	CLA	C3D-C4D	-3.72	1.35	1.44
14	Z	801	CLA	CHD-C4C	3.72	1.47	1.39
14	Y	826	CLA	CHD-C4C	3.72	1.47	1.39
14	B	801	CLA	CHD-C4C	3.72	1.47	1.39
14	L	202	CLA	CHD-C4C	3.72	1.47	1.39
14	Y	816	CLA	OBD-CAD	3.72	1.28	1.22
14	A	840	CLA	CHD-C4C	3.71	1.47	1.39
17	U	1005	BCR	C11-C12	-3.71	1.25	1.34
14	B	829	CLA	CHD-C4C	3.71	1.47	1.39
14	A	809	CLA	CHD-C4C	3.71	1.47	1.39
14	H	831	CLA	C3B-C2B	3.71	1.45	1.40
14	H	816	CLA	CHD-C4C	3.71	1.47	1.39
14	Z	812	CLA	OBD-CAD	3.71	1.28	1.22
14	B	807	CLA	CHD-C4C	3.71	1.47	1.39
17	Y	853	BCR	C11-C12	-3.71	1.25	1.34
14	B	828	CLA	C3D-C4D	-3.71	1.35	1.44
14	Y	817	CLA	C3C-C2C	3.71	1.44	1.36
14	G	806	CLA	CHD-C4C	3.70	1.47	1.39
14	G	816	CLA	OBD-CAD	3.70	1.28	1.22
14	G	829	CLA	OBD-CAD	3.70	1.28	1.22
14	H	817	CLA	C1D-ND	-3.70	1.33	1.37
14	G	804	CLA	OBD-CAD	3.70	1.28	1.22
14	B	832	CLA	OBD-CAD	3.70	1.28	1.22
14	A	832	CLA	C3C-C2C	3.70	1.44	1.36
14	H	839	CLA	CHD-C1D	3.70	1.45	1.38
14	Y	830	CLA	CHD-C4C	3.70	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	817	CLA	C1D-ND	-3.70	1.33	1.37
14	H	808	CLA	OBD-CAD	3.70	1.28	1.22
14	Z	821	CLA	CHD-C4C	3.69	1.47	1.39
14	B	802	CLA	C3D-C4D	-3.69	1.35	1.44
14	G	820	CLA	CHD-C4C	3.69	1.47	1.39
14	Z	831	CLA	CHD-C4C	3.69	1.47	1.39
14	h	205	CLA	C1D-ND	-3.69	1.33	1.37
14	Y	827	CLA	CHD-C4C	3.69	1.47	1.39
14	A	808	CLA	OBD-CAD	3.69	1.28	1.22
14	U	1007	CLA	C3D-C2D	3.69	1.49	1.39
14	A	803	CLA	CHD-C4C	3.69	1.47	1.39
14	B	808	CLA	MG-ND	-3.69	1.98	2.05
14	Y	835	CLA	OBD-CAD	3.69	1.28	1.22
13	G	801	CL0	C1D-ND	-3.69	1.33	1.37
14	H	840	CLA	C3B-C2B	3.69	1.45	1.40
14	G	803	CLA	CHD-C4C	3.69	1.47	1.39
14	B	821	CLA	OBD-CAD	3.68	1.28	1.22
14	B	813	CLA	CHD-C4C	3.68	1.47	1.39
14	A	826	CLA	C3C-C2C	3.68	1.44	1.36
14	A	822	CLA	C1D-ND	-3.68	1.33	1.37
14	H	835	CLA	OBD-CAD	3.68	1.28	1.22
14	H	834	CLA	OBD-CAD	3.68	1.28	1.22
14	B	814	CLA	OBD-CAD	3.68	1.28	1.22
14	h	201	CLA	C1B-NB	-3.68	1.31	1.35
14	A	837	CLA	CHD-C4C	3.68	1.47	1.39
14	A	832	CLA	CHD-C1D	3.68	1.45	1.38
14	A	825	CLA	OBD-CAD	3.68	1.28	1.22
14	B	826	CLA	C3B-C2B	3.68	1.45	1.40
14	B	805	CLA	OBD-CAD	3.68	1.28	1.22
14	H	828	CLA	CHD-C4C	3.67	1.47	1.39
14	A	810	CLA	C3C-C2C	3.67	1.44	1.36
14	G	836	CLA	OBD-CAD	3.67	1.28	1.22
14	Z	807	CLA	C3D-C2D	3.67	1.49	1.39
14	H	836	CLA	OBD-CAD	3.67	1.28	1.22
14	Y	817	CLA	OBD-CAD	3.67	1.28	1.22
14	Z	837	CLA	OBD-CAD	3.67	1.28	1.22
14	Y	805	CLA	OBD-CAD	3.66	1.28	1.22
14	Y	809	CLA	OBD-CAD	3.66	1.28	1.22
14	H	840	CLA	OBD-CAD	3.66	1.28	1.22
14	Y	820	CLA	OBD-CAD	3.66	1.28	1.22
14	Z	831	CLA	OBD-CAD	3.66	1.28	1.22
14	h	201	CLA	C1D-ND	-3.65	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	836	CLA	OBD-CAD	3.65	1.28	1.22
14	A	823	CLA	OBD-CAD	3.65	1.28	1.22
14	Z	827	CLA	C1D-ND	-3.65	1.33	1.37
14	G	814	CLA	CHD-C4C	3.65	1.47	1.39
14	H	817	CLA	CHD-C1D	3.65	1.45	1.38
14	A	836	CLA	CHD-C4C	3.64	1.47	1.39
14	X	1701	CLA	OBD-CAD	3.64	1.28	1.22
14	Y	821	CLA	OBD-CAD	3.64	1.28	1.22
14	Z	802	CLA	CHD-C4C	3.64	1.47	1.39
14	Y	817	CLA	CHD-C4C	3.64	1.47	1.39
14	L	204	CLA	C3C-C2C	3.64	1.44	1.36
17	B	842	BCR	C11-C12	-3.64	1.25	1.34
14	B	835	CLA	OBD-CAD	3.64	1.28	1.22
14	A	810	CLA	CHD-C4C	3.63	1.47	1.39
14	B	834	CLA	CHD-C4C	3.63	1.47	1.39
14	H	838	CLA	OBD-CAD	3.63	1.28	1.22
14	Y	810	CLA	CHD-C4C	3.63	1.47	1.39
14	G	832	CLA	C1D-ND	-3.63	1.33	1.37
14	Q	202	CLA	CHD-C4C	3.63	1.47	1.39
14	B	801	CLA	MG-ND	-3.63	1.98	2.05
14	L	206	CLA	C1D-ND	-3.63	1.33	1.37
14	Z	837	CLA	CHD-C4C	3.63	1.47	1.39
14	d	201	CLA	OBD-CAD	3.63	1.28	1.22
14	Z	801	CLA	OBD-CAD	3.62	1.28	1.22
14	U	1004	CLA	CHD-C4C	3.62	1.47	1.39
14	B	809	CLA	C3B-C2B	3.62	1.45	1.40
14	H	840	CLA	CHD-C1D	3.62	1.45	1.38
14	A	837	CLA	OBD-CAD	3.61	1.28	1.22
14	A	854	CLA	C1D-ND	-3.61	1.33	1.37
14	G	830	CLA	C3D-C2D	3.61	1.49	1.39
14	U	1002	CLA	OBD-CAD	3.61	1.28	1.22
14	Y	807	CLA	OBD-CAD	3.61	1.28	1.22
14	Y	810	CLA	OBD-CAD	3.61	1.28	1.22
17	I	102	BCR	C11-C12	-3.61	1.25	1.34
14	G	818	CLA	C1D-ND	-3.61	1.33	1.37
14	B	820	CLA	C3D-C2D	3.60	1.49	1.39
14	G	808	CLA	C1D-ND	-3.60	1.33	1.37
14	B	825	CLA	CHD-C1D	3.60	1.45	1.38
14	B	835	CLA	C3B-C2B	3.60	1.45	1.40
14	B	828	CLA	CHD-C4C	3.60	1.47	1.39
14	A	819	CLA	OBD-CAD	3.60	1.28	1.22
14	Z	829	CLA	CHD-C4C	3.60	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	806	CLA	C1D-ND	-3.59	1.33	1.37
14	A	826	CLA	MG-ND	-3.59	1.98	2.05
14	G	834	CLA	OBD-CAD	3.59	1.28	1.22
14	A	843	CLA	CHD-C4C	3.59	1.47	1.39
14	A	841	CLA	CHD-C4C	3.59	1.47	1.39
14	H	814	CLA	C1D-ND	-3.59	1.33	1.37
14	Y	831	CLA	CHD-C1D	3.59	1.45	1.38
14	A	826	CLA	OBD-CAD	3.59	1.28	1.22
14	Z	836	CLA	CHD-C4C	3.59	1.47	1.39
14	Y	832	CLA	C1D-ND	-3.59	1.33	1.37
14	h	201	CLA	CHD-C4C	3.59	1.47	1.39
14	H	810	CLA	C1C-NC	-3.59	1.32	1.37
14	G	831	CLA	CHD-C4C	3.58	1.47	1.39
14	Z	828	CLA	C3B-C2B	3.58	1.45	1.40
14	Z	820	CLA	CHD-C4C	3.58	1.47	1.39
14	A	829	CLA	CHD-C4C	3.58	1.47	1.39
14	Z	831	CLA	C3B-C2B	3.58	1.45	1.40
14	H	805	CLA	CHD-C4C	3.57	1.47	1.39
14	B	809	CLA	OBD-CAD	3.57	1.28	1.22
14	g	101	CLA	MG-NC	3.57	2.14	2.06
14	Z	804	CLA	C3D-C2D	3.57	1.48	1.39
14	G	817	CLA	OBD-CAD	3.57	1.28	1.22
14	H	810	CLA	C3C-C2C	3.57	1.44	1.36
14	H	830	CLA	C3B-C2B	3.57	1.45	1.40
14	U	1002	CLA	C1C-NC	-3.57	1.32	1.37
17	i	101	BCR	C11-C12	-3.57	1.25	1.34
17	H	842	BCR	C11-C12	-3.57	1.25	1.34
14	B	823	CLA	OBD-CAD	3.56	1.28	1.22
14	Z	814	CLA	CHD-C4C	3.56	1.47	1.39
14	Y	808	CLA	OBD-CAD	3.56	1.28	1.22
14	A	814	CLA	OBD-CAD	3.56	1.28	1.22
14	H	807	CLA	C1D-ND	-3.56	1.33	1.37
14	Z	825	CLA	C1D-ND	-3.56	1.33	1.37
14	Y	841	CLA	OBD-CAD	3.56	1.28	1.22
14	G	840	CLA	C1D-ND	-3.56	1.33	1.37
14	Z	801	CLA	C3B-C2B	3.55	1.45	1.40
14	H	851	CLA	OBD-CAD	3.55	1.28	1.22
17	B	846	BCR	C11-C12	-3.55	1.25	1.34
14	Y	841	CLA	C3B-C2B	3.55	1.45	1.40
14	K	102	CLA	CHD-C4C	3.55	1.47	1.39
14	B	838	CLA	MG-NC	3.55	2.14	2.06
17	B	850	BCR	C11-C12	-3.55	1.25	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	834	CLA	CHD-C1D	3.54	1.45	1.38
14	Z	841	CLA	C1D-ND	-3.54	1.33	1.37
17	H	844	BCR	C21-C22	-3.54	1.31	1.35
13	A	801	CL0	C1C-NC	-3.54	1.32	1.37
14	A	834	CLA	C1D-ND	-3.54	1.33	1.37
14	Y	839	CLA	C3B-C2B	3.54	1.45	1.40
14	B	806	CLA	C3B-C2B	3.53	1.45	1.40
14	H	829	CLA	OBD-CAD	3.53	1.28	1.22
14	H	832	CLA	C3D-C2D	3.53	1.48	1.39
14	Z	809	CLA	CHD-C4C	3.53	1.47	1.39
14	G	853	CLA	C1C-NC	-3.53	1.32	1.37
14	G	842	CLA	C3B-C2B	3.53	1.45	1.40
14	Y	834	CLA	C3D-C2D	3.52	1.48	1.39
14	B	823	CLA	CHD-C4C	3.52	1.47	1.39
14	A	809	CLA	C3B-C2B	3.52	1.45	1.40
14	A	828	CLA	CHD-C4C	3.52	1.47	1.39
17	L	207	BCR	C11-C12	-3.52	1.25	1.34
14	Z	814	CLA	CHD-C1D	3.52	1.45	1.38
14	A	829	CLA	C1D-ND	-3.52	1.33	1.37
14	Z	814	CLA	MG-ND	-3.52	1.98	2.05
14	A	803	CLA	C1C-NC	-3.52	1.32	1.37
14	G	814	CLA	OBD-CAD	3.51	1.28	1.22
14	Y	831	CLA	C3B-C2B	3.51	1.45	1.40
14	B	808	CLA	OBD-CAD	3.51	1.28	1.22
14	H	801	CLA	OBD-CAD	3.51	1.28	1.22
14	B	830	CLA	CHD-C4C	3.51	1.47	1.39
14	G	852	CLA	CHD-C4C	3.51	1.47	1.39
14	B	809	CLA	CHD-C4C	3.51	1.47	1.39
14	Z	812	CLA	C3D-C2D	3.50	1.48	1.39
17	Y	852	BCR	C11-C12	-3.50	1.25	1.34
14	Z	801	CLA	C1D-ND	-3.50	1.33	1.37
14	H	836	CLA	C3D-C2D	3.50	1.48	1.39
14	A	819	CLA	C1D-ND	-3.50	1.33	1.37
14	H	803	CLA	MG-ND	-3.50	1.98	2.05
14	A	803	CLA	C3B-C2B	3.50	1.45	1.40
14	Z	809	CLA	OBD-CAD	3.50	1.28	1.22
14	G	828	CLA	OBD-CAD	3.49	1.28	1.22
14	Z	817	CLA	OBD-CAD	3.49	1.28	1.22
14	Z	813	CLA	C3D-C2D	3.49	1.48	1.39
14	Z	840	CLA	C1D-ND	-3.49	1.33	1.37
14	Y	812	CLA	OBD-CAD	3.49	1.28	1.22
17	S	1105	BCR	C11-C12	-3.48	1.25	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	830	CLA	CHD-C4C	3.48	1.47	1.39
14	Y	814	CLA	MG-NC	3.48	2.14	2.06
14	G	812	CLA	MG-NC	3.48	2.14	2.06
14	L	206	CLA	CHD-C4C	3.48	1.47	1.39
14	H	831	CLA	OBD-CAD	3.48	1.28	1.22
14	H	803	CLA	C1D-ND	-3.48	1.33	1.37
14	Z	803	CLA	OBD-CAD	3.48	1.28	1.22
14	G	807	CLA	OBD-CAD	3.48	1.28	1.22
14	Y	805	CLA	C1D-C2D	3.48	1.52	1.45
14	A	818	CLA	OBD-CAD	3.48	1.28	1.22
14	B	808	CLA	C1D-ND	-3.48	1.33	1.37
14	F	202	CLA	CHD-C4C	3.48	1.47	1.39
14	Z	811	CLA	CHD-C1D	3.47	1.45	1.38
14	G	805	CLA	CHD-C4C	3.47	1.47	1.39
14	Y	840	CLA	CHD-C4C	3.47	1.47	1.39
14	A	840	CLA	C1D-ND	-3.47	1.33	1.37
14	A	842	CLA	C1D-ND	-3.47	1.33	1.37
17	A	850	BCR	C11-C12	-3.47	1.25	1.34
14	U	1007	CLA	C3D-C4D	-3.47	1.36	1.44
14	B	816	CLA	C3B-C2B	3.47	1.45	1.40
14	Y	830	CLA	OBD-CAD	3.47	1.28	1.22
14	A	831	CLA	C3B-C2B	3.46	1.45	1.40
14	Y	834	CLA	OBD-CAD	3.46	1.28	1.22
14	A	826	CLA	C3B-C2B	3.46	1.45	1.40
14	U	1004	CLA	C3D-C4D	-3.46	1.36	1.44
14	A	854	CLA	CHD-C4C	3.46	1.47	1.39
14	H	822	CLA	CHD-C4C	3.46	1.47	1.39
17	A	846	BCR	C11-C12	-3.46	1.25	1.34
14	B	831	CLA	C1D-ND	-3.46	1.33	1.37
14	Z	807	CLA	C1D-ND	-3.46	1.33	1.37
14	Z	805	CLA	CHD-C4C	3.46	1.47	1.39
14	H	851	CLA	CHD-C4C	3.46	1.47	1.39
14	Y	808	CLA	CHD-C4C	3.46	1.47	1.39
19	Z	849	LMG	O8-C28	3.46	1.43	1.33
14	G	805	CLA	OBD-CAD	3.45	1.28	1.22
14	Z	805	CLA	C3C-C2C	3.45	1.44	1.36
14	A	841	CLA	C1C-NC	-3.45	1.32	1.37
14	H	820	CLA	C1D-ND	-3.45	1.33	1.37
14	H	809	CLA	CHC-C1C	3.45	1.43	1.35
14	B	803	CLA	OBD-CAD	3.45	1.28	1.22
14	Z	838	CLA	C3B-C2B	3.44	1.45	1.40
14	G	827	CLA	CHD-C4C	3.44	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	824	CLA	C3D-C2D	3.44	1.48	1.39
14	H	810	CLA	OBD-CAD	3.44	1.28	1.22
14	G	821	CLA	C1D-ND	-3.44	1.33	1.37
17	Z	850	BCR	C11-C12	-3.44	1.25	1.34
18	G	850	LHG	O8-C23	3.44	1.43	1.33
14	A	802	CLA	C1C-NC	-3.44	1.32	1.37
14	H	815	CLA	C3D-C2D	3.44	1.48	1.39
14	A	802	CLA	C3B-C2B	3.44	1.45	1.40
14	H	830	CLA	CHD-C4C	3.43	1.47	1.39
14	Z	839	CLA	OBD-CAD	3.43	1.28	1.22
14	B	832	CLA	C3D-C2D	3.43	1.48	1.39
14	G	853	CLA	OBD-CAD	3.43	1.28	1.22
17	I	101	BCR	C1-C6	-3.43	1.49	1.53
14	G	832	CLA	OBD-CAD	3.43	1.28	1.22
14	B	837	CLA	CHD-C1D	3.43	1.45	1.38
14	H	840	CLA	C1C-NC	-3.43	1.32	1.37
14	H	811	CLA	OBD-CAD	3.43	1.28	1.22
14	H	809	CLA	MG-ND	-3.43	1.99	2.05
14	B	828	CLA	MG-ND	-3.42	1.99	2.05
14	A	834	CLA	OBD-CAD	3.42	1.28	1.22
14	G	841	CLA	C1C-NC	-3.42	1.32	1.37
17	Y	847	BCR	C11-C12	-3.42	1.25	1.34
14	U	1002	CLA	C1D-ND	-3.42	1.33	1.37
14	A	819	CLA	CHD-C4C	3.42	1.47	1.39
14	G	831	CLA	C3B-C2B	3.41	1.45	1.40
17	I	101	BCR	C11-C12	-3.41	1.25	1.34
14	B	839	CLA	C4B-CHC	3.41	1.50	1.41
14	A	832	CLA	CHD-C4C	3.41	1.47	1.39
14	B	817	CLA	C3D-C2D	3.41	1.48	1.39
17	H	850	BCR	C11-C12	-3.41	1.25	1.34
14	Y	808	CLA	C1D-ND	-3.41	1.33	1.37
14	Z	802	CLA	C3D-C2D	3.41	1.48	1.39
14	B	838	CLA	C3D-C2D	3.41	1.48	1.39
14	A	805	CLA	C3D-C2D	3.41	1.48	1.39
17	A	851	BCR	C11-C12	-3.40	1.25	1.34
14	H	806	CLA	C3D-C2D	3.40	1.48	1.39
14	G	805	CLA	C3D-C2D	3.40	1.48	1.39
14	A	838	CLA	MG-NC	3.40	2.14	2.06
13	G	801	CL0	C1C-NC	-3.40	1.32	1.37
14	U	1002	CLA	C3D-C2D	3.40	1.48	1.39
14	H	824	CLA	MG-NC	3.40	2.14	2.06
14	Y	829	CLA	C4C-C3C	3.40	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	812	CLA	OBD-CAD	3.39	1.28	1.22
14	Z	812	CLA	C1D-ND	-3.39	1.33	1.37
14	G	809	CLA	CHD-C4C	3.39	1.47	1.39
14	Z	833	CLA	C1D-ND	-3.39	1.33	1.37
14	Y	818	CLA	OBD-CAD	3.39	1.28	1.22
14	Z	804	CLA	MG-ND	-3.39	1.99	2.05
14	h	204	CLA	C3D-C2D	3.38	1.48	1.39
14	G	821	CLA	OBD-CAD	3.38	1.28	1.22
14	Z	808	CLA	C3C-C2C	3.38	1.43	1.36
14	Y	815	CLA	C4B-CHC	3.38	1.50	1.41
17	R	102	BCR	C11-C12	-3.37	1.25	1.34
14	Z	810	CLA	C1D-ND	-3.37	1.33	1.37
14	H	836	CLA	CHD-C4C	3.37	1.46	1.39
14	A	805	CLA	C1D-ND	-3.37	1.33	1.37
14	H	810	CLA	C1D-ND	-3.37	1.33	1.37
14	B	827	CLA	C3B-C2B	3.37	1.45	1.40
14	G	812	CLA	OBD-CAD	3.37	1.28	1.22
14	Z	835	CLA	C3D-C2D	3.37	1.48	1.39
14	h	201	CLA	MG-ND	-3.37	1.99	2.05
14	G	833	CLA	C3B-C2B	3.37	1.45	1.40
14	Y	811	CLA	C3D-C2D	3.37	1.48	1.39
14	Z	820	CLA	MG-ND	-3.37	1.99	2.05
14	Z	819	CLA	C1D-C2D	3.36	1.52	1.45
14	A	807	CLA	OBD-CAD	3.36	1.28	1.22
14	G	829	CLA	C3D-C2D	3.36	1.48	1.39
17	U	1008	BCR	C11-C12	-3.36	1.25	1.34
14	Y	841	CLA	C1C-NC	-3.36	1.32	1.37
14	B	807	CLA	C1D-ND	-3.36	1.33	1.37
14	Y	803	CLA	CHD-C4C	3.36	1.46	1.39
14	W	1701	CLA	MG-NC	3.35	2.14	2.06
14	A	808	CLA	C1D-ND	-3.35	1.33	1.37
14	A	825	CLA	CHD-C4C	3.35	1.46	1.39
14	A	839	CLA	CHD-C4C	3.35	1.46	1.39
14	Y	838	CLA	C3D-C2D	3.35	1.48	1.39
14	Z	804	CLA	OBD-CAD	3.34	1.28	1.22
14	H	828	CLA	C3D-C2D	3.34	1.48	1.39
14	A	802	CLA	C1D-ND	-3.34	1.33	1.37
14	Y	816	CLA	C3B-C2B	3.34	1.45	1.40
14	H	832	CLA	C1D-ND	-3.34	1.33	1.37
17	B	843	BCR	C11-C12	-3.34	1.26	1.34
14	G	826	CLA	MG-ND	-3.34	1.99	2.05
14	A	834	CLA	C4B-CHC	3.34	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	827	CLA	OBD-CAD	3.34	1.28	1.22
14	U	1004	CLA	C3D-C2D	3.34	1.48	1.39
14	T	103	CLA	C3D-C2D	3.33	1.48	1.39
17	M	101	BCR	C11-C12	-3.33	1.26	1.34
14	Z	837	CLA	C1D-ND	-3.33	1.33	1.37
14	B	813	CLA	C1D-ND	-3.33	1.33	1.37
14	Y	840	CLA	MG-ND	-3.33	1.99	2.05
14	Z	821	CLA	OBD-CAD	3.32	1.28	1.22
13	G	801	CL0	C3D-C2D	3.32	1.48	1.39
14	H	813	CLA	C3D-C2D	3.32	1.48	1.39
14	G	809	CLA	C4B-CHC	3.32	1.50	1.41
14	H	823	CLA	C3B-C2B	3.32	1.45	1.40
14	Z	818	CLA	C3D-C2D	3.32	1.48	1.39
14	A	834	CLA	CHD-C4C	3.32	1.46	1.39
14	Y	833	CLA	C1D-ND	-3.32	1.33	1.37
14	B	826	CLA	MG-ND	-3.32	1.99	2.05
14	Y	832	CLA	CHD-C4C	3.31	1.46	1.39
14	B	837	CLA	OBD-CAD	3.31	1.28	1.22
14	A	828	CLA	OBD-CAD	3.31	1.28	1.22
13	Y	801	CL0	C3D-C2D	3.31	1.48	1.39
14	G	852	CLA	C3B-C2B	3.31	1.45	1.40
14	B	823	CLA	C1D-ND	-3.31	1.33	1.37
14	Z	838	CLA	C1D-ND	-3.31	1.33	1.37
14	H	812	CLA	OBD-CAD	3.30	1.28	1.22
14	H	823	CLA	C1D-C2D	3.30	1.51	1.45
14	Z	815	CLA	OBD-CAD	3.30	1.28	1.22
14	Z	809	CLA	C1D-ND	-3.30	1.33	1.37
17	F	201	BCR	C11-C12	-3.30	1.26	1.34
14	Y	841	CLA	C1D-ND	-3.30	1.33	1.37
14	Z	811	CLA	CHD-C4C	3.30	1.46	1.39
14	B	828	CLA	C1D-ND	-3.30	1.33	1.37
17	G	848	BCR	C11-C12	-3.30	1.26	1.34
14	H	827	CLA	C1C-NC	-3.30	1.32	1.37
14	H	820	CLA	CHD-C4C	3.30	1.46	1.39
14	B	837	CLA	C1D-ND	-3.30	1.33	1.37
14	H	803	CLA	OBD-CAD	3.30	1.28	1.22
14	Y	833	CLA	C3D-C2D	3.30	1.48	1.39
14	Y	802	CLA	C3B-C2B	3.30	1.44	1.40
14	U	1006	CLA	CHD-C4C	3.30	1.46	1.39
14	Z	832	CLA	CHD-C4C	3.30	1.46	1.39
14	H	839	CLA	C1D-ND	-3.30	1.33	1.37
13	G	801	CL0	MG-NC	3.30	2.14	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	806	CLA	OBD-CAD	3.29	1.28	1.22
14	G	838	CLA	C1D-C2D	3.29	1.51	1.45
14	Y	827	CLA	C4B-CHC	3.29	1.50	1.41
14	H	807	CLA	CHD-C4C	3.29	1.46	1.39
14	d	202	CLA	MG-NC	3.29	2.14	2.06
14	A	803	CLA	C3D-C2D	3.28	1.48	1.39
14	G	810	CLA	C3D-C2D	3.28	1.48	1.39
14	Z	807	CLA	MG-ND	-3.28	1.99	2.05
14	G	841	CLA	OBD-CAD	3.28	1.28	1.22
14	Z	808	CLA	C1C-NC	-3.28	1.32	1.37
14	H	820	CLA	MG-ND	-3.27	1.99	2.05
19	B	848	LMG	C40-C39	-3.27	1.33	1.51
17	Z	848	BCR	C11-C12	-3.27	1.26	1.34
14	H	833	CLA	C3D-C2D	3.27	1.48	1.39
14	G	802	CLA	C1C-NC	-3.27	1.32	1.37
14	A	840	CLA	MG-NC	3.27	2.14	2.06
14	G	831	CLA	MG-ND	-3.27	1.99	2.05
14	G	830	CLA	C3B-C2B	3.27	1.44	1.40
19	H	848	LMG	C40-C39	-3.27	1.33	1.51
14	Z	832	CLA	C1D-ND	-3.27	1.33	1.37
14	A	822	CLA	OBD-CAD	3.27	1.28	1.22
14	Z	823	CLA	OBD-CAD	3.27	1.28	1.22
14	Y	838	CLA	MG-NC	3.27	2.14	2.06
17	J	103	BCR	C11-C12	-3.27	1.26	1.34
14	H	821	CLA	C1D-C2D	3.27	1.51	1.45
14	G	840	CLA	CHD-C4C	3.26	1.46	1.39
14	B	816	CLA	C1D-ND	-3.26	1.33	1.37
14	H	826	CLA	OBD-CAD	3.26	1.28	1.22
14	B	838	CLA	C4B-CHC	3.26	1.50	1.41
14	Y	837	CLA	MG-NC	3.26	2.14	2.06
14	B	836	CLA	CHD-C4C	3.26	1.46	1.39
14	G	802	CLA	C1D-ND	-3.26	1.33	1.37
14	H	827	CLA	CHD-C4C	3.26	1.46	1.39
14	Y	817	CLA	C4B-CHC	3.26	1.50	1.41
14	H	809	CLA	C1D-ND	-3.26	1.33	1.37
14	H	836	CLA	C1D-ND	-3.25	1.33	1.37
14	B	810	CLA	C3D-C2D	3.25	1.48	1.39
14	J	102	CLA	C3D-C2D	3.25	1.48	1.39
19	B	848	LMG	C43-C42	-3.25	1.33	1.51
14	Z	825	CLA	C3D-C2D	3.25	1.48	1.39
14	X	1701	CLA	MG-NC	3.25	2.14	2.06
14	B	832	CLA	C1D-ND	-3.25	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	836	CLA	CHD-C1D	3.24	1.44	1.38
14	Z	803	CLA	C1D-ND	-3.24	1.33	1.37
14	Z	840	CLA	CHD-C4C	3.24	1.46	1.39
14	Z	828	CLA	C1C-NC	-3.24	1.33	1.37
14	Y	807	CLA	C1D-C2D	3.24	1.51	1.45
14	G	802	CLA	C3D-C2D	3.24	1.48	1.39
14	H	837	CLA	C3D-C2D	3.24	1.48	1.39
14	L	205	CLA	CHD-C4C	3.24	1.46	1.39
14	G	837	CLA	C3D-C2D	3.24	1.48	1.39
14	B	835	CLA	C1D-ND	-3.24	1.33	1.37
14	G	817	CLA	C1D-ND	-3.24	1.33	1.37
14	Z	824	CLA	OBD-CAD	3.24	1.28	1.22
14	Z	824	CLA	MG-NC	3.24	2.14	2.06
14	Y	828	CLA	C1D-ND	-3.23	1.33	1.37
14	A	833	CLA	MG-NC	3.23	2.13	2.06
17	h	202	BCR	C11-C12	-3.23	1.26	1.34
14	A	810	CLA	C1D-ND	-3.23	1.33	1.37
14	H	819	CLA	C1D-ND	-3.23	1.33	1.37
14	Y	805	CLA	C3B-C2B	3.23	1.44	1.40
14	B	830	CLA	OBD-CAD	3.23	1.28	1.22
14	G	841	CLA	MG-NC	3.23	2.13	2.06
14	Z	835	CLA	MG-NC	3.23	2.13	2.06
13	Y	801	CL0	MG-NC	3.23	2.13	2.06
14	B	830	CLA	C1D-ND	-3.22	1.33	1.37
14	G	824	CLA	C1D-ND	-3.22	1.33	1.37
14	U	1003	CLA	CHD-C4C	3.22	1.46	1.39
14	Y	835	CLA	C3D-C2D	3.22	1.47	1.39
14	B	828	CLA	C4B-NB	-3.22	1.32	1.35
14	A	826	CLA	C1C-NC	-3.22	1.33	1.37
14	S	1102	CLA	C3D-C2D	3.22	1.47	1.39
14	H	820	CLA	C3D-C2D	3.22	1.47	1.39
14	Z	830	CLA	MG-ND	-3.22	1.99	2.05
14	Z	822	CLA	C3D-C2D	3.22	1.47	1.39
14	B	837	CLA	CHD-C4C	3.21	1.46	1.39
17	Y	845	BCR	C11-C12	-3.21	1.26	1.34
14	J	102	CLA	MG-NC	3.21	2.13	2.06
14	J	102	CLA	C4D-CHA	3.21	1.49	1.38
14	B	830	CLA	MG-ND	-3.21	1.99	2.05
14	Z	811	CLA	MG-ND	-3.21	1.99	2.05
14	G	852	CLA	C3D-C2D	3.21	1.47	1.39
14	A	838	CLA	C3D-C2D	3.20	1.47	1.39
17	A	849	BCR	C11-C12	-3.20	1.26	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	825	CLA	MG-ND	-3.20	1.99	2.05
14	H	808	CLA	CHD-C4C	3.20	1.46	1.39
14	Y	809	CLA	C3D-C2D	3.20	1.47	1.39
14	Y	824	CLA	OBD-CAD	3.20	1.28	1.22
14	F	202	CLA	MG-NC	3.20	2.13	2.06
14	U	1003	CLA	C1B-NB	-3.20	1.32	1.35
14	G	833	CLA	C1C-NC	-3.20	1.33	1.37
14	H	810	CLA	CHD-C4C	3.20	1.46	1.39
14	H	805	CLA	C1D-ND	-3.20	1.33	1.37
13	Y	801	CL0	C1C-NC	-3.19	1.33	1.37
14	L	206	CLA	C1C-NC	-3.19	1.33	1.37
14	S	1101	CLA	OBD-CAD	3.19	1.28	1.22
14	L	201	CLA	MG-NC	3.19	2.13	2.06
14	B	821	CLA	C1D-ND	-3.19	1.33	1.37
14	H	821	CLA	MG-NC	3.19	2.13	2.06
14	j	102	CLA	MG-NC	3.19	2.13	2.06
14	G	825	CLA	MG-NC	3.19	2.13	2.06
14	G	829	CLA	MG-NC	3.19	2.13	2.06
14	W	1701	CLA	C1D-ND	-3.18	1.33	1.37
14	Y	811	CLA	OBD-CAD	3.18	1.28	1.22
14	H	824	CLA	C3D-C2D	3.18	1.47	1.39
17	L	208	BCR	C11-C12	-3.18	1.26	1.34
14	H	815	CLA	CHD-C4C	3.18	1.46	1.39
14	K	101	CLA	OBD-CAD	3.18	1.29	1.23
19	Z	849	LMG	C40-C39	-3.18	1.33	1.51
14	Q	202	CLA	C3D-C2D	3.18	1.47	1.39
14	H	827	CLA	OBD-CAD	3.18	1.28	1.22
14	Z	810	CLA	MG-ND	-3.18	1.99	2.05
14	A	826	CLA	C4C-C3C	3.18	1.50	1.45
14	A	813	CLA	OBD-CAD	3.18	1.28	1.22
14	U	1006	CLA	C3D-C2D	3.18	1.47	1.39
14	A	815	CLA	C4B-CHC	3.17	1.49	1.41
14	A	830	CLA	C1D-ND	-3.17	1.33	1.37
14	Z	835	CLA	C1D-C2D	3.17	1.51	1.45
14	f	101	CLA	MG-NC	3.17	2.13	2.06
14	f	102	CLA	MG-NC	3.17	2.13	2.06
14	U	1004	CLA	C1D-C2D	3.17	1.51	1.45
14	Y	808	CLA	MG-ND	-3.17	1.99	2.05
14	Z	838	CLA	MG-NC	3.17	2.13	2.06
14	B	835	CLA	MG-NC	3.17	2.13	2.06
14	Y	802	CLA	C4B-NB	-3.17	1.32	1.35
14	H	830	CLA	MG-NC	3.17	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	815	CLA	C3D-C2D	3.16	1.47	1.39
14	B	827	CLA	C3D-C2D	3.16	1.47	1.39
14	G	819	CLA	C3D-C2D	3.16	1.47	1.39
14	Y	818	CLA	C3D-C2D	3.16	1.47	1.39
14	G	826	CLA	C1D-ND	-3.16	1.33	1.37
14	Y	836	CLA	C3D-C2D	3.16	1.47	1.39
14	Y	833	CLA	C4C-C3C	3.16	1.50	1.45
14	Z	808	CLA	CHD-C1D	3.16	1.44	1.38
14	G	813	CLA	C1B-CHB	3.16	1.49	1.41
14	A	830	CLA	C3D-C2D	3.16	1.47	1.39
17	B	847	BCR	C11-C12	-3.16	1.26	1.34
14	Z	820	CLA	C1D-ND	-3.16	1.33	1.37
14	H	804	CLA	C4B-CHC	3.16	1.49	1.41
14	B	838	CLA	OBD-CAD	3.16	1.27	1.22
14	G	814	CLA	C4D-CHA	3.16	1.49	1.38
14	Y	828	CLA	MG-ND	-3.15	1.99	2.05
14	G	852	CLA	C1D-ND	-3.15	1.33	1.37
14	d	202	CLA	C3D-C2D	3.15	1.47	1.39
14	G	804	CLA	C3D-C2D	3.15	1.47	1.39
14	B	822	CLA	C3D-C2D	3.15	1.47	1.39
14	B	809	CLA	C3C-C2C	3.15	1.43	1.36
14	G	827	CLA	MG-ND	-3.15	1.99	2.05
14	G	803	CLA	MG-NC	3.15	2.13	2.06
14	Y	836	CLA	C4C-C3C	3.14	1.50	1.45
17	G	847	BCR	C11-C12	-3.14	1.26	1.34
14	B	806	CLA	MG-ND	-3.14	1.99	2.05
19	H	848	LMG	C19-C18	-3.14	1.33	1.51
14	G	825	CLA	C3D-C2D	3.14	1.47	1.39
14	Y	802	CLA	C1C-NC	-3.14	1.33	1.37
14	Z	818	CLA	OBD-CAD	3.14	1.27	1.22
14	G	828	CLA	C1C-NC	-3.14	1.33	1.37
14	Z	808	CLA	CHD-C4C	3.14	1.46	1.39
19	B	848	LMG	C19-C18	-3.13	1.34	1.51
14	G	841	CLA	C3D-C2D	3.13	1.47	1.39
14	Y	838	CLA	C4C-C3C	3.13	1.50	1.45
14	B	839	CLA	C1C-NC	-3.13	1.33	1.37
14	Z	840	CLA	C3D-C2D	3.13	1.47	1.39
14	S	1101	CLA	C1C-NC	-3.13	1.33	1.37
14	A	817	CLA	MG-NC	3.13	2.13	2.06
14	Y	821	CLA	C3D-C2D	3.12	1.47	1.39
14	B	820	CLA	MG-NC	3.12	2.13	2.06
14	Y	835	CLA	MG-NC	3.12	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	834	CLA	C1D-ND	-3.12	1.33	1.37
14	Z	821	CLA	C4B-CHC	3.12	1.49	1.41
14	F	202	CLA	C3D-C2D	3.12	1.47	1.39
14	Y	814	CLA	C4B-CHC	3.12	1.49	1.41
14	B	824	CLA	MG-ND	-3.12	1.99	2.05
14	H	821	CLA	C3D-C2D	3.12	1.47	1.39
14	H	805	CLA	C3D-C2D	3.12	1.47	1.39
14	G	820	CLA	C1D-ND	-3.12	1.33	1.37
14	B	815	CLA	C3D-C2D	3.12	1.47	1.39
14	A	820	CLA	C3D-C2D	3.12	1.47	1.39
14	A	825	CLA	C3D-C2D	3.12	1.47	1.39
14	L	202	CLA	OBD-CAD	3.12	1.27	1.22
19	H	848	LMG	C37-C36	-3.12	1.34	1.51
14	G	809	CLA	C1D-ND	-3.12	1.34	1.37
14	H	812	CLA	C1D-ND	-3.12	1.34	1.37
14	B	840	CLA	C3D-C2D	3.11	1.47	1.39
14	A	819	CLA	MG-ND	-3.11	1.99	2.05
14	B	812	CLA	MG-NC	3.11	2.13	2.06
14	H	823	CLA	C1C-NC	-3.11	1.33	1.37
19	B	848	LMG	C37-C36	-3.11	1.34	1.51
17	F	203	BCR	C11-C12	-3.11	1.26	1.34
14	H	827	CLA	MG-ND	-3.11	1.99	2.05
14	A	802	CLA	C3D-C2D	3.11	1.47	1.39
14	G	817	CLA	MG-NC	3.11	2.13	2.06
14	G	810	CLA	C4D-CHA	3.11	1.49	1.38
14	h	204	CLA	MG-ND	-3.11	1.99	2.05
14	L	206	CLA	C3D-C2D	3.11	1.47	1.39
14	A	831	CLA	C1C-NC	-3.11	1.33	1.37
14	Y	816	CLA	C3D-C2D	3.11	1.47	1.39
14	Q	202	CLA	MG-NC	3.11	2.13	2.06
14	Y	811	CLA	MG-NC	3.11	2.13	2.06
14	H	818	CLA	C3D-C2D	3.11	1.47	1.39
14	A	809	CLA	OBD-CAD	3.11	1.27	1.22
14	Z	831	CLA	C1D-ND	-3.11	1.34	1.37
14	G	831	CLA	MG-NC	3.10	2.13	2.06
14	Z	828	CLA	C3D-C2D	3.10	1.47	1.39
14	A	836	CLA	C3B-C2B	3.10	1.44	1.40
14	G	837	CLA	OBD-CAD	3.10	1.27	1.22
14	A	810	CLA	C3D-C2D	3.10	1.47	1.39
14	A	815	CLA	MG-NC	3.10	2.13	2.06
14	B	825	CLA	MG-NC	3.10	2.13	2.06
14	G	834	CLA	C3D-C2D	3.10	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	802	CLA	C3D-C2D	3.10	1.47	1.39
14	Z	823	CLA	MG-ND	-3.09	1.99	2.05
14	H	851	CLA	C1C-NC	-3.09	1.33	1.37
14	A	854	CLA	MG-ND	-3.09	1.99	2.05
14	Y	832	CLA	MG-ND	-3.09	1.99	2.05
14	G	815	CLA	C1D-C2D	3.09	1.51	1.45
14	Y	830	CLA	C1D-ND	-3.09	1.34	1.37
14	G	808	CLA	C3D-C2D	3.09	1.47	1.39
14	A	831	CLA	C3D-C2D	3.09	1.47	1.39
14	G	834	CLA	C1D-ND	-3.09	1.34	1.37
14	L	201	CLA	CHD-C4C	3.09	1.46	1.39
17	H	846	BCR	C11-C12	-3.09	1.26	1.34
14	Z	808	CLA	MG-ND	-3.09	1.99	2.05
14	H	829	CLA	C1D-ND	-3.08	1.34	1.37
14	H	825	CLA	C3D-C2D	3.08	1.47	1.39
14	B	819	CLA	MG-ND	-3.08	1.99	2.05
14	A	810	CLA	C4B-CHC	3.08	1.49	1.41
14	Y	837	CLA	C3D-C2D	3.08	1.47	1.39
14	Y	823	CLA	C3D-C2D	3.08	1.47	1.39
14	G	813	CLA	MG-NC	3.08	2.13	2.06
14	G	823	CLA	C1D-ND	-3.08	1.34	1.37
14	H	832	CLA	MG-NC	3.08	2.13	2.06
14	H	825	CLA	C4D-CHA	3.08	1.49	1.38
14	B	812	CLA	MG-ND	-3.08	1.99	2.05
14	A	813	CLA	C3D-C2D	3.08	1.47	1.39
14	Z	821	CLA	C3D-C2D	3.08	1.47	1.39
14	B	819	CLA	OBD-CAD	3.08	1.27	1.22
14	G	824	CLA	C1D-C2D	3.08	1.51	1.45
14	Y	816	CLA	MG-NC	3.08	2.13	2.06
14	A	829	CLA	MG-ND	-3.08	1.99	2.05
14	H	813	CLA	MG-NC	3.08	2.13	2.06
14	U	1004	CLA	C1C-NC	-3.08	1.33	1.37
14	G	827	CLA	C4B-CHC	3.08	1.49	1.41
14	B	802	CLA	C1D-ND	-3.08	1.34	1.37
14	G	833	CLA	MG-ND	-3.08	1.99	2.05
14	G	832	CLA	C1C-NC	-3.08	1.33	1.37
14	Z	829	CLA	C4D-CHA	3.07	1.49	1.38
14	H	805	CLA	C1C-NC	-3.07	1.33	1.37
14	H	812	CLA	MG-ND	-3.07	1.99	2.05
14	Y	817	CLA	C1D-C2D	3.07	1.51	1.45
14	Z	824	CLA	C4C-C3C	3.07	1.50	1.45
14	G	818	CLA	C3D-C2D	3.07	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	830	CLA	C1B-NB	-3.07	1.32	1.35
14	A	811	CLA	C3D-C2D	3.07	1.47	1.39
14	H	809	CLA	C3D-C2D	3.07	1.47	1.39
14	U	1006	CLA	MG-ND	-3.07	1.99	2.05
14	h	206	CLA	C1D-ND	-3.07	1.34	1.37
14	g	102	CLA	C4B-CHC	3.07	1.49	1.41
14	A	836	CLA	C1C-C2C	3.07	1.50	1.44
14	H	838	CLA	C3D-C2D	3.07	1.47	1.39
14	Y	834	CLA	MG-NC	3.07	2.13	2.06
14	G	811	CLA	C1D-ND	-3.07	1.34	1.37
14	U	1006	CLA	C1D-ND	-3.07	1.34	1.37
14	H	821	CLA	C4D-CHA	3.06	1.49	1.38
14	G	824	CLA	C3D-C2D	3.06	1.47	1.39
14	Z	825	CLA	MG-NC	3.06	2.13	2.06
14	Y	837	CLA	C1D-ND	-3.06	1.34	1.37
14	L	205	CLA	C1D-ND	-3.06	1.34	1.37
14	W	1701	CLA	C4B-CHC	3.06	1.49	1.41
14	A	814	CLA	C1D-C2D	3.06	1.51	1.45
14	A	822	CLA	C4B-CHC	3.06	1.49	1.41
14	G	820	CLA	MG-ND	-3.06	1.99	2.05
14	B	836	CLA	C3D-C2D	3.06	1.47	1.39
14	g	102	CLA	C3D-C2D	3.06	1.47	1.39
14	Y	818	CLA	C1D-C2D	3.06	1.51	1.45
14	F	202	CLA	C1C-NC	-3.06	1.33	1.37
14	B	832	CLA	C4B-CHC	3.06	1.49	1.41
14	B	816	CLA	MG-NC	3.06	2.13	2.06
14	U	1007	CLA	CHD-C4C	3.05	1.46	1.39
14	Z	814	CLA	C3D-C2D	3.05	1.47	1.39
14	Y	821	CLA	MG-NC	3.05	2.13	2.06
14	G	836	CLA	MG-NC	3.05	2.13	2.06
14	A	830	CLA	C4C-C3C	3.05	1.50	1.45
14	A	839	CLA	MG-ND	-3.05	1.99	2.05
14	G	824	CLA	C4B-CHC	3.05	1.49	1.41
14	h	204	CLA	C1D-ND	-3.05	1.34	1.37
14	Y	825	CLA	C1C-NC	-3.05	1.33	1.37
14	j	102	CLA	C1D-C2D	3.05	1.51	1.45
14	Y	812	CLA	MG-NC	3.04	2.13	2.06
14	G	842	CLA	C1D-ND	-3.04	1.34	1.37
14	X	1701	CLA	C3D-C2D	3.04	1.47	1.39
19	Z	849	LMG	C37-C36	-3.04	1.34	1.51
14	A	833	CLA	C3D-C2D	3.04	1.47	1.39
14	h	206	CLA	C1C-NC	-3.04	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	843	CLA	C1D-ND	-3.04	1.34	1.37
14	G	841	CLA	C1B-NB	-3.04	1.32	1.35
14	G	852	CLA	C1C-NC	-3.04	1.33	1.37
14	K	102	CLA	C1D-ND	-3.04	1.34	1.37
14	A	813	CLA	C1B-CHB	3.04	1.49	1.41
14	Y	826	CLA	MG-ND	-3.04	1.99	2.05
14	B	829	CLA	C1D-C2D	3.04	1.51	1.45
14	Y	813	CLA	C1D-ND	-3.04	1.34	1.37
14	H	807	CLA	C1C-C2C	3.04	1.50	1.44
14	Z	805	CLA	MG-ND	-3.04	1.99	2.05
14	G	838	CLA	C4D-CHA	3.03	1.49	1.38
14	Z	830	CLA	C1C-NC	-3.03	1.33	1.37
14	A	835	CLA	C3D-C2D	3.03	1.47	1.39
14	Z	814	CLA	C1D-ND	-3.03	1.34	1.37
14	H	814	CLA	C3D-C2D	3.03	1.47	1.39
14	A	824	CLA	C1D-ND	-3.03	1.34	1.37
14	Y	810	CLA	C3D-C2D	3.03	1.47	1.39
14	U	1003	CLA	C3D-C2D	3.03	1.47	1.39
14	f	102	CLA	C3D-C2D	3.03	1.47	1.39
14	B	816	CLA	MG-ND	-3.03	1.99	2.05
17	G	849	BCR	C21-C22	-3.03	1.31	1.35
14	H	824	CLA	OBD-CAD	3.03	1.27	1.22
14	U	1003	CLA	MG-ND	-3.03	1.99	2.05
14	A	828	CLA	C1D-ND	-3.03	1.34	1.37
14	Y	804	CLA	C1D-ND	-3.02	1.34	1.37
14	Y	812	CLA	C3D-C2D	3.02	1.47	1.39
14	A	830	CLA	OBD-CAD	3.02	1.27	1.22
14	Y	802	CLA	C4D-CHA	3.02	1.49	1.38
14	B	811	CLA	OBD-CAD	3.02	1.27	1.22
14	Y	805	CLA	C3D-C2D	3.02	1.47	1.39
17	V	101	BCR	C11-C12	-3.02	1.26	1.34
14	G	837	CLA	C1D-C2D	3.02	1.51	1.45
14	d	202	CLA	C1D-ND	-3.02	1.34	1.37
14	K	102	CLA	C3D-C2D	3.02	1.47	1.39
14	B	806	CLA	OBD-CAD	3.02	1.27	1.22
14	Z	820	CLA	C3D-C2D	3.02	1.47	1.39
14	H	824	CLA	C1D-ND	-3.02	1.34	1.37
14	H	803	CLA	C4B-NB	-3.02	1.32	1.35
14	Z	833	CLA	MG-ND	-3.02	1.99	2.05
14	G	809	CLA	MG-NC	3.02	2.13	2.06
14	Y	825	CLA	MG-NC	3.01	2.13	2.06
14	g	101	CLA	C4C-C3C	3.01	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	h	201	CLA	C1C-NC	-3.01	1.33	1.37
14	Z	828	CLA	C1D-ND	-3.01	1.34	1.37
14	B	834	CLA	C1D-ND	-3.01	1.34	1.37
14	Y	807	CLA	C3D-C2D	3.01	1.47	1.39
14	A	828	CLA	MG-ND	-3.01	1.99	2.05
14	T	101	CLA	C4C-C3C	3.01	1.50	1.45
17	Z	847	BCR	C11-C12	-3.01	1.26	1.34
14	B	822	CLA	MG-NC	3.01	2.13	2.06
14	Y	817	CLA	C3D-C2D	3.01	1.47	1.39
14	H	836	CLA	MG-ND	-3.01	1.99	2.05
14	A	838	CLA	MG-ND	-3.01	1.99	2.05
14	H	831	CLA	C4B-CHC	3.01	1.49	1.41
14	B	812	CLA	C1B-CHB	3.01	1.49	1.41
14	G	818	CLA	C1C-NC	-3.00	1.33	1.37
14	Y	817	CLA	MG-NC	3.00	2.13	2.06
14	B	831	CLA	C1C-NC	-3.00	1.33	1.37
14	Z	840	CLA	C1C-NC	-3.00	1.33	1.37
14	A	826	CLA	C1D-ND	-3.00	1.34	1.37
14	B	834	CLA	C4B-CHC	3.00	1.49	1.41
14	L	204	CLA	C1C-NC	-3.00	1.33	1.37
14	Z	816	CLA	C3D-C2D	3.00	1.47	1.39
14	Z	812	CLA	MG-ND	-3.00	1.99	2.05
14	Y	811	CLA	C1D-C2D	3.00	1.51	1.45
14	Z	822	CLA	C4D-CHA	3.00	1.49	1.38
14	Z	835	CLA	C4B-CHC	3.00	1.49	1.41
14	Z	813	CLA	C1C-NC	-3.00	1.33	1.37
14	B	810	CLA	MG-NC	3.00	2.13	2.06
14	G	821	CLA	C4B-CHC	3.00	1.49	1.41
14	Y	824	CLA	C3D-C2D	3.00	1.47	1.39
14	Y	829	CLA	C1D-ND	-3.00	1.34	1.37
13	G	801	CL0	C4D-CHA	3.00	1.49	1.38
14	A	841	CLA	C1D-C2D	2.99	1.51	1.45
14	A	830	CLA	MG-ND	-2.99	1.99	2.05
14	Y	815	CLA	MG-NC	2.99	2.13	2.06
14	L	204	CLA	C1D-ND	-2.99	1.34	1.37
14	g	102	CLA	MG-NC	2.99	2.13	2.06
14	A	803	CLA	C4B-NB	-2.99	1.32	1.35
14	Y	821	CLA	C4B-CHC	2.99	1.49	1.41
14	Y	824	CLA	C4B-CHC	2.99	1.49	1.41
14	A	802	CLA	MG-ND	-2.99	1.99	2.05
14	H	809	CLA	C3C-C2C	2.99	1.43	1.36
14	Z	814	CLA	C4B-CHC	2.99	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	833	CLA	MG-NC	2.99	2.13	2.06
14	A	832	CLA	C1D-ND	-2.99	1.34	1.37
14	X	1701	CLA	C1D-ND	-2.99	1.34	1.37
14	B	809	CLA	C3D-C2D	2.99	1.47	1.39
14	Y	808	CLA	C3D-C2D	2.99	1.47	1.39
14	H	840	CLA	CHD-C4C	2.99	1.46	1.39
14	A	813	CLA	MG-NC	2.98	2.13	2.06
14	H	829	CLA	C1C-NC	-2.98	1.33	1.37
14	B	809	CLA	MG-ND	-2.98	1.99	2.05
14	G	803	CLA	C1D-ND	-2.98	1.34	1.37
14	H	816	CLA	C1B-CHB	2.98	1.49	1.41
14	J	101	CLA	C3D-C2D	2.98	1.47	1.39
14	A	808	CLA	C3D-C2D	2.98	1.47	1.39
14	H	812	CLA	C3D-C2D	2.98	1.47	1.39
14	H	807	CLA	C4B-CHC	2.98	1.49	1.41
14	U	1007	CLA	C4B-CHC	2.98	1.49	1.41
14	G	807	CLA	C1D-ND	-2.98	1.34	1.37
14	Y	825	CLA	OBD-CAD	2.98	1.27	1.22
14	Y	825	CLA	MG-ND	-2.98	1.99	2.05
14	H	837	CLA	MG-NC	2.98	2.13	2.06
14	A	804	CLA	MG-NC	2.98	2.13	2.06
14	B	831	CLA	C3D-C2D	2.98	1.47	1.39
14	H	824	CLA	MG-ND	-2.98	1.99	2.05
14	A	809	CLA	C3D-C2D	2.98	1.47	1.39
14	H	803	CLA	C1B-NB	-2.98	1.32	1.35
14	Z	806	CLA	C3D-C2D	2.98	1.47	1.39
14	A	823	CLA	C4D-CHA	2.98	1.49	1.38
14	Y	834	CLA	C4B-CHC	2.98	1.49	1.41
14	Z	810	CLA	CHD-C4C	2.97	1.46	1.39
14	G	839	CLA	C3D-C2D	2.97	1.47	1.39
14	H	830	CLA	C3D-C2D	2.97	1.47	1.39
14	B	838	CLA	C1D-ND	-2.97	1.34	1.37
14	A	843	CLA	MG-NC	2.97	2.13	2.06
14	f	101	CLA	C4D-CHA	2.97	1.49	1.38
14	B	811	CLA	C1D-C2D	2.97	1.51	1.45
14	H	807	CLA	C1C-NC	-2.97	1.33	1.37
14	G	822	CLA	C1D-C2D	2.97	1.51	1.45
14	B	805	CLA	C3D-C2D	2.97	1.47	1.39
14	K	102	CLA	C1B-CHB	2.97	1.49	1.41
14	A	832	CLA	C1C-NC	-2.97	1.33	1.37
14	Y	827	CLA	MG-NC	2.97	2.13	2.06
14	Y	803	CLA	C1D-ND	-2.97	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	808	CLA	C1D-ND	-2.97	1.34	1.37
14	Z	811	CLA	C1C-NC	-2.97	1.33	1.37
14	Y	836	CLA	MG-NC	2.97	2.13	2.06
14	L	201	CLA	OBD-CAD	2.97	1.27	1.22
14	A	833	CLA	C1B-NB	-2.97	1.32	1.35
14	H	823	CLA	C3D-C2D	2.97	1.47	1.39
14	Z	824	CLA	C4B-CHC	2.97	1.49	1.41
14	Z	802	CLA	C3B-C2B	2.97	1.44	1.40
17	G	849	BCR	C11-C12	-2.97	1.26	1.34
14	Z	829	CLA	C3D-C2D	2.97	1.47	1.39
14	A	811	CLA	C1D-ND	-2.96	1.34	1.37
14	Y	836	CLA	C4D-CHA	2.96	1.48	1.38
14	Y	818	CLA	MG-NC	2.96	2.13	2.06
14	Y	822	CLA	C1D-C2D	2.96	1.51	1.45
14	Y	815	CLA	C3D-C2D	2.96	1.47	1.39
14	Y	822	CLA	C3D-C2D	2.96	1.47	1.39
14	A	816	CLA	C4B-CHC	2.96	1.49	1.41
14	G	832	CLA	C3B-C2B	2.96	1.44	1.40
14	Y	836	CLA	MG-ND	-2.96	1.99	2.05
14	Y	811	CLA	C4B-CHC	2.96	1.49	1.41
14	B	809	CLA	MG-NC	2.96	2.13	2.06
14	Z	839	CLA	C3D-C2D	2.96	1.47	1.39
14	Z	836	CLA	C1D-ND	-2.96	1.34	1.37
14	G	835	CLA	C1D-C2D	2.96	1.51	1.45
14	Y	812	CLA	C4D-CHA	2.96	1.48	1.38
14	Z	832	CLA	MG-ND	-2.96	1.99	2.05
14	G	814	CLA	MG-NC	2.96	2.13	2.06
14	B	833	CLA	C3D-C2D	2.96	1.47	1.39
14	A	807	CLA	C1D-ND	-2.96	1.34	1.37
14	A	837	CLA	MG-NC	2.95	2.13	2.06
14	Y	809	CLA	C1C-NC	-2.95	1.33	1.37
14	Y	830	CLA	C3D-C2D	2.95	1.47	1.39
14	Z	839	CLA	MG-ND	-2.95	1.99	2.05
14	H	815	CLA	C4D-CHA	2.95	1.48	1.38
14	Z	827	CLA	MG-ND	-2.95	1.99	2.05
14	A	814	CLA	C1D-ND	-2.95	1.34	1.37
14	S	1103	CLA	C3D-C2D	2.95	1.47	1.39
13	G	801	CL0	C1B-NB	-2.95	1.32	1.35
14	Z	826	CLA	C4D-CHA	2.95	1.48	1.38
14	A	819	CLA	C3D-C2D	2.95	1.47	1.39
14	Z	819	CLA	C3D-C2D	2.95	1.47	1.39
14	H	839	CLA	C3D-C2D	2.95	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	803	CLA	C4D-CHA	2.95	1.48	1.38
14	Y	830	CLA	MG-ND	-2.95	1.99	2.05
14	Y	814	CLA	C1D-ND	-2.95	1.34	1.37
14	A	828	CLA	C4B-CHC	2.95	1.49	1.41
14	H	801	CLA	C4B-CHC	2.95	1.49	1.41
14	Y	807	CLA	C1D-ND	-2.95	1.34	1.37
14	G	853	CLA	C1D-C2D	2.94	1.51	1.45
14	H	823	CLA	C1B-CHB	2.94	1.49	1.41
14	B	834	CLA	OBD-CAD	2.94	1.27	1.22
14	G	825	CLA	C1D-ND	-2.94	1.34	1.37
14	H	808	CLA	C3B-C2B	2.94	1.44	1.40
14	Z	823	CLA	MG-NC	2.94	2.13	2.06
14	H	839	CLA	CHD-C4C	2.94	1.45	1.39
17	T	102	BCR	C11-C12	-2.94	1.27	1.34
14	H	826	CLA	C1D-ND	-2.94	1.34	1.37
14	H	830	CLA	C1D-ND	-2.94	1.34	1.37
14	G	810	CLA	MG-NC	2.94	2.13	2.06
14	K	102	CLA	MG-NC	2.94	2.13	2.06
13	G	801	CL0	C1D-C2D	2.94	1.51	1.45
14	B	818	CLA	MG-ND	-2.94	2.00	2.05
14	U	1007	CLA	C1C-NC	-2.94	1.33	1.37
14	B	814	CLA	C3D-C2D	2.94	1.47	1.39
14	Z	828	CLA	MG-NC	2.93	2.13	2.06
14	A	840	CLA	C1B-CHB	2.93	1.49	1.41
17	Y	846	BCR	C11-C12	-2.93	1.27	1.34
14	B	839	CLA	C1C-C2C	2.93	1.50	1.44
14	H	831	CLA	MG-NC	2.93	2.13	2.06
14	G	815	CLA	C4B-CHC	2.93	1.49	1.41
14	Z	807	CLA	C1B-CHB	2.93	1.49	1.41
14	H	811	CLA	C3D-C2D	2.93	1.47	1.39
14	B	818	CLA	C1D-ND	-2.93	1.34	1.37
17	Y	848	BCR	C11-C12	-2.92	1.27	1.34
14	G	807	CLA	C1D-C2D	2.92	1.51	1.45
14	G	822	CLA	C3D-C2D	2.92	1.47	1.39
14	A	825	CLA	C1D-ND	-2.92	1.34	1.37
14	U	1007	CLA	MG-ND	-2.92	2.00	2.05
14	A	804	CLA	C1D-ND	-2.92	1.34	1.37
14	B	814	CLA	C1B-CHB	2.92	1.49	1.41
14	G	840	CLA	C4B-CHC	2.92	1.49	1.41
14	H	839	CLA	C4B-CHC	2.92	1.49	1.41
14	G	838	CLA	C1B-NB	-2.92	1.32	1.35
14	Y	836	CLA	C1D-ND	-2.92	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	826	CLA	C1C-NC	-2.92	1.33	1.37
14	H	802	CLA	C4B-CHC	2.92	1.49	1.41
14	G	827	CLA	C3D-C2D	2.92	1.47	1.39
14	Y	823	CLA	C1D-C2D	2.92	1.51	1.45
14	A	809	CLA	C4B-CHC	2.92	1.49	1.41
14	Y	806	CLA	C3D-C2D	2.91	1.47	1.39
14	Z	811	CLA	C3D-C2D	2.91	1.47	1.39
14	B	816	CLA	C3D-C2D	2.91	1.47	1.39
14	A	843	CLA	C3D-C2D	2.91	1.47	1.39
14	H	826	CLA	C3D-C2D	2.91	1.47	1.39
14	Z	836	CLA	MG-NC	2.91	2.13	2.06
14	S	1101	CLA	C1D-ND	-2.91	1.34	1.37
14	H	822	CLA	C4B-CHC	2.91	1.49	1.41
14	H	823	CLA	OBD-CAD	2.91	1.27	1.22
14	A	810	CLA	MG-NC	2.91	2.13	2.06
14	S	1102	CLA	MG-NC	2.91	2.13	2.06
14	B	819	CLA	MG-NC	2.91	2.13	2.06
14	B	830	CLA	C3D-C2D	2.91	1.47	1.39
14	L	201	CLA	C1C-NC	-2.91	1.33	1.37
14	Z	806	CLA	C1D-ND	-2.91	1.34	1.37
14	Q	202	CLA	OBD-CAD	2.91	1.27	1.22
14	A	824	CLA	C3D-C2D	2.91	1.47	1.39
14	F	202	CLA	C4D-CHA	2.91	1.48	1.38
14	Z	810	CLA	C1C-NC	-2.91	1.33	1.37
19	Z	849	LMG	C19-C18	-2.91	1.35	1.51
14	G	808	CLA	C4B-CHC	2.91	1.49	1.41
14	G	836	CLA	C4B-CHC	2.91	1.49	1.41
14	A	841	CLA	C1D-ND	-2.91	1.34	1.37
14	g	101	CLA	C3D-C2D	2.91	1.47	1.39
14	U	1004	CLA	C1D-ND	-2.91	1.34	1.37
14	H	829	CLA	C1B-NB	-2.90	1.32	1.35
14	Y	831	CLA	MG-ND	-2.90	2.00	2.05
14	B	823	CLA	C3D-C2D	2.90	1.47	1.39
14	H	837	CLA	C1C-C2C	2.90	1.50	1.44
14	G	829	CLA	C4D-CHA	2.90	1.48	1.38
14	f	102	CLA	C4B-CHC	2.90	1.49	1.41
14	Y	837	CLA	C4B-CHC	2.90	1.49	1.41
14	B	804	CLA	C1D-C2D	2.90	1.51	1.45
14	Y	828	CLA	C1B-NB	-2.90	1.32	1.35
14	B	823	CLA	MG-NC	2.90	2.13	2.06
14	G	827	CLA	MG-NC	2.90	2.13	2.06
14	B	803	CLA	C4D-CHA	2.90	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	e	101	BCR	C23-C22	2.90	1.52	1.45
14	G	837	CLA	C4D-CHA	2.90	1.48	1.38
14	G	822	CLA	C4D-CHA	2.90	1.48	1.38
14	Z	812	CLA	C4D-CHA	2.90	1.48	1.38
14	H	810	CLA	C3D-C2D	2.90	1.47	1.39
14	Y	829	CLA	C3D-C2D	2.90	1.47	1.39
14	L	205	CLA	MG-NC	2.90	2.13	2.06
14	A	834	CLA	MG-NC	2.89	2.13	2.06
14	B	812	CLA	C3D-C2D	2.89	1.47	1.39
14	Y	819	CLA	C3D-C2D	2.89	1.47	1.39
14	H	836	CLA	C1C-NC	-2.89	1.33	1.37
14	A	826	CLA	MG-NC	2.89	2.13	2.06
14	H	835	CLA	MG-NC	2.89	2.13	2.06
14	F	202	CLA	C1D-ND	-2.89	1.34	1.37
14	f	101	CLA	C4B-CHC	2.89	1.49	1.41
14	H	806	CLA	C4D-CHA	2.89	1.48	1.38
14	H	830	CLA	C4B-CHC	2.89	1.49	1.41
14	Y	809	CLA	C1D-ND	-2.89	1.34	1.37
14	Z	804	CLA	C4D-CHA	2.89	1.48	1.38
14	d	202	CLA	C4B-CHC	2.89	1.49	1.41
14	Z	802	CLA	C1D-ND	-2.89	1.34	1.37
17	R	101	BCR	C11-C12	-2.89	1.27	1.34
17	G	845	BCR	C11-C12	-2.89	1.27	1.34
14	L	201	CLA	MG-ND	-2.89	2.00	2.05
14	d	202	CLA	C1B-CHB	2.89	1.49	1.41
14	K	102	CLA	C4D-CHA	2.88	1.48	1.38
14	H	811	CLA	C4B-CHC	2.88	1.49	1.41
14	Y	819	CLA	C4D-CHA	2.88	1.48	1.38
17	Q	203	BCR	C11-C12	-2.88	1.27	1.34
14	B	813	CLA	C3D-C2D	2.88	1.47	1.39
14	H	820	CLA	C1B-CHB	2.88	1.49	1.41
14	Y	836	CLA	C1D-C2D	2.88	1.51	1.45
14	T	101	CLA	OBD-CAD	2.88	1.28	1.23
14	Y	825	CLA	C1D-ND	-2.88	1.34	1.37
14	T	101	CLA	C4B-CHC	2.88	1.49	1.41
14	Y	814	CLA	C3D-C2D	2.88	1.47	1.39
14	Y	838	CLA	MG-ND	-2.88	2.00	2.05
14	G	811	CLA	MG-ND	-2.88	2.00	2.05
14	A	821	CLA	C3D-C2D	2.88	1.47	1.39
14	G	824	CLA	C1B-CHB	2.87	1.49	1.41
14	A	821	CLA	MG-ND	-2.87	2.00	2.05
13	Y	801	CL0	C4D-CHA	2.87	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	818	CLA	OBD-CAD	2.87	1.27	1.22
14	Y	831	CLA	C4B-CHC	2.87	1.49	1.41
14	A	809	CLA	C4D-CHA	2.87	1.48	1.38
14	f	101	CLA	C3D-C2D	2.87	1.47	1.39
14	H	803	CLA	C1C-NC	-2.87	1.33	1.37
14	Y	819	CLA	C1C-NC	-2.87	1.33	1.37
14	B	802	CLA	MG-ND	-2.87	2.00	2.05
14	A	837	CLA	C4D-CHA	2.87	1.48	1.38
14	B	815	CLA	C1D-ND	-2.87	1.34	1.37
14	H	840	CLA	C1D-ND	-2.87	1.34	1.37
14	Z	834	CLA	MG-ND	-2.87	2.00	2.05
14	G	853	CLA	C3D-C2D	2.87	1.47	1.39
14	H	835	CLA	C3D-C2D	2.87	1.47	1.39
14	Y	805	CLA	C1C-NC	-2.87	1.33	1.37
14	Z	832	CLA	C1C-NC	-2.87	1.33	1.37
19	B	848	LMG	C22-C21	-2.87	1.35	1.51
14	Y	835	CLA	C1B-CHB	2.87	1.49	1.41
14	G	805	CLA	C4B-CHC	2.87	1.49	1.41
14	G	805	CLA	MG-NC	2.87	2.13	2.06
14	B	839	CLA	C3D-C2D	2.87	1.46	1.39
14	A	804	CLA	C4C-C3C	2.87	1.50	1.45
14	Z	817	CLA	CHD-C4C	2.87	1.45	1.39
14	U	1002	CLA	C4D-CHA	2.87	1.48	1.38
14	G	803	CLA	MG-ND	-2.87	2.00	2.05
14	Z	813	CLA	C4D-CHA	2.87	1.48	1.38
14	d	202	CLA	OBD-CAD	2.87	1.27	1.22
14	H	808	CLA	C3D-C2D	2.86	1.46	1.39
14	B	835	CLA	C3D-C2D	2.86	1.46	1.39
14	Z	818	CLA	MG-NC	2.86	2.13	2.06
14	H	826	CLA	MG-ND	-2.86	2.00	2.05
14	Z	801	CLA	MG-ND	-2.86	2.00	2.05
14	S	1103	CLA	C1D-ND	-2.86	1.34	1.37
14	Y	823	CLA	C4B-CHC	2.86	1.48	1.41
14	G	838	CLA	C1C-NC	-2.86	1.33	1.37
14	Z	833	CLA	MG-NC	2.86	2.13	2.06
14	Y	837	CLA	C1D-C2D	2.86	1.51	1.45
14	A	813	CLA	C4D-CHA	2.86	1.48	1.38
14	H	836	CLA	MG-NC	2.86	2.13	2.06
14	H	835	CLA	C4D-CHA	2.86	1.48	1.38
14	G	807	CLA	C3D-C2D	2.86	1.46	1.39
14	L	205	CLA	C4B-CHC	2.86	1.48	1.41
14	S	1102	CLA	C4D-CHA	2.86	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	818	CLA	MG-NC	2.86	2.13	2.06
14	S	1103	CLA	MG-NC	2.86	2.13	2.06
17	d	203	BCR	C11-C12	-2.86	1.27	1.34
14	B	811	CLA	C4D-CHA	2.86	1.48	1.38
14	Z	840	CLA	C4D-CHA	2.86	1.48	1.38
14	A	819	CLA	MG-NC	2.86	2.13	2.06
14	A	818	CLA	C4B-CHC	2.86	1.48	1.41
14	B	801	CLA	C3D-C2D	2.86	1.46	1.39
14	B	813	CLA	C1C-NC	-2.86	1.33	1.37
14	A	823	CLA	C1D-ND	-2.86	1.34	1.37
14	G	812	CLA	C4B-CHC	2.86	1.48	1.41
14	G	830	CLA	C1B-CHB	2.86	1.48	1.41
14	G	830	CLA	MG-ND	-2.86	2.00	2.05
14	A	815	CLA	C4D-CHA	2.86	1.48	1.38
14	Y	839	CLA	C1D-C2D	2.86	1.51	1.45
14	Y	833	CLA	C4B-CHC	2.86	1.48	1.41
14	B	802	CLA	C3D-C2D	2.86	1.46	1.39
14	Z	834	CLA	C3D-C2D	2.86	1.46	1.39
14	Z	818	CLA	C4C-C3C	2.86	1.50	1.45
14	A	818	CLA	C1D-ND	-2.86	1.34	1.37
14	G	838	CLA	C1D-ND	-2.86	1.34	1.37
14	Z	821	CLA	C1D-ND	-2.86	1.34	1.37
14	Y	839	CLA	OBD-CAD	2.85	1.27	1.22
14	Y	808	CLA	C1C-NC	-2.85	1.33	1.37
14	X	1701	CLA	C1B-CHB	2.85	1.48	1.41
14	Y	840	CLA	C4B-CHC	2.85	1.48	1.41
14	G	819	CLA	C1D-C2D	2.85	1.51	1.45
14	Z	824	CLA	C4D-CHA	2.85	1.48	1.38
14	Z	813	CLA	C1D-ND	-2.85	1.34	1.37
14	G	818	CLA	C1B-CHB	2.85	1.48	1.41
14	j	102	CLA	C3D-C2D	2.85	1.46	1.39
14	G	806	CLA	C4B-CHC	2.85	1.48	1.41
14	G	807	CLA	MG-NC	2.85	2.13	2.06
14	H	819	CLA	C4D-CHA	2.85	1.48	1.38
14	H	834	CLA	C3D-C2D	2.85	1.46	1.39
14	S	1102	CLA	C4B-CHC	2.85	1.48	1.41
14	T	103	CLA	MG-NC	2.85	2.13	2.06
14	G	835	CLA	MG-NC	2.85	2.13	2.06
14	Z	823	CLA	C1D-ND	-2.85	1.34	1.37
14	Z	822	CLA	C4B-CHC	2.85	1.48	1.41
14	Z	819	CLA	C4C-C3C	2.85	1.49	1.45
14	B	812	CLA	C1D-ND	-2.85	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	823	CLA	MG-NC	2.85	2.13	2.06
14	Y	810	CLA	C1B-CHB	2.85	1.48	1.41
14	B	811	CLA	C4C-C3C	2.85	1.49	1.45
14	A	843	CLA	C1C-C2C	2.85	1.50	1.44
14	Q	202	CLA	C1C-NC	-2.85	1.33	1.37
14	U	1004	CLA	C4D-CHA	2.85	1.48	1.38
14	B	820	CLA	C4D-CHA	2.85	1.48	1.38
14	d	201	CLA	C3D-C2D	2.85	1.46	1.39
14	f	102	CLA	C4D-CHA	2.85	1.48	1.38
14	A	807	CLA	C4B-CHC	2.85	1.48	1.41
17	f	103	BCR	C11-C12	-2.85	1.27	1.34
14	Y	827	CLA	C3D-C2D	2.85	1.46	1.39
14	Y	802	CLA	C3D-C2D	2.85	1.46	1.39
14	H	832	CLA	C4D-CHA	2.85	1.48	1.38
14	Z	837	CLA	C4B-CHC	2.85	1.48	1.41
14	A	817	CLA	C1D-C2D	2.84	1.50	1.45
14	B	806	CLA	MG-NC	2.84	2.13	2.06
14	A	807	CLA	C4D-CHA	2.84	1.48	1.38
14	G	828	CLA	C4B-CHC	2.84	1.48	1.41
14	B	837	CLA	C3D-C2D	2.84	1.46	1.39
14	A	808	CLA	C1C-NC	-2.84	1.33	1.37
14	G	823	CLA	C1D-C2D	2.84	1.50	1.45
14	Y	838	CLA	C1D-C2D	2.84	1.50	1.45
14	H	825	CLA	C4B-CHC	2.84	1.48	1.41
14	Z	832	CLA	OBD-CAD	2.84	1.27	1.22
14	B	822	CLA	C4D-CHA	2.84	1.48	1.38
14	Z	818	CLA	C4D-CHA	2.84	1.48	1.38
14	Y	836	CLA	C4B-CHC	2.84	1.48	1.41
14	Z	806	CLA	C1B-NB	-2.84	1.32	1.35
14	Y	824	CLA	MG-NC	2.84	2.13	2.06
14	Y	832	CLA	MG-NC	2.84	2.13	2.06
14	F	202	CLA	MG-ND	-2.84	2.00	2.05
14	G	840	CLA	MG-NC	2.84	2.13	2.06
14	B	814	CLA	C4B-CHC	2.84	1.48	1.41
14	H	815	CLA	C4B-CHC	2.84	1.48	1.41
14	Y	833	CLA	MG-ND	-2.84	2.00	2.05
14	Z	833	CLA	C3D-C2D	2.84	1.46	1.39
14	G	819	CLA	C4D-CHA	2.84	1.48	1.38
14	A	817	CLA	C1B-CHB	2.84	1.48	1.41
14	G	812	CLA	C4D-CHA	2.84	1.48	1.38
14	H	851	CLA	C3D-C2D	2.84	1.46	1.39
14	G	821	CLA	C1D-C2D	2.84	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	843	CLA	C1B-CHB	2.84	1.48	1.41
14	A	814	CLA	C3D-C2D	2.84	1.46	1.39
14	Z	817	CLA	C4B-CHC	2.83	1.48	1.41
14	A	854	CLA	C3D-C2D	2.83	1.46	1.39
14	B	825	CLA	C1C-NC	-2.83	1.33	1.37
14	Y	815	CLA	C4D-CHA	2.83	1.48	1.38
14	Y	825	CLA	C3D-C2D	2.83	1.46	1.39
14	G	836	CLA	C1D-ND	-2.83	1.34	1.37
14	H	834	CLA	C1B-CHB	2.83	1.48	1.41
14	J	101	CLA	MG-NC	2.83	2.13	2.06
17	H	842	BCR	C21-C22	-2.83	1.32	1.35
14	Z	829	CLA	MG-NC	2.83	2.13	2.06
14	Z	811	CLA	C1D-ND	-2.83	1.34	1.37
14	H	834	CLA	C1D-C2D	2.83	1.50	1.45
14	G	835	CLA	C1D-ND	-2.83	1.34	1.37
14	B	804	CLA	C3D-C2D	2.83	1.46	1.39
14	A	812	CLA	C4D-CHA	2.83	1.48	1.38
14	G	807	CLA	C4C-C3C	2.83	1.49	1.45
14	G	809	CLA	C1D-C2D	2.83	1.50	1.45
14	B	831	CLA	C1B-CHB	2.83	1.48	1.41
14	B	833	CLA	C1D-ND	-2.82	1.34	1.37
14	B	830	CLA	C1C-NC	-2.82	1.33	1.37
14	Z	824	CLA	C1D-C2D	2.82	1.50	1.45
14	Y	816	CLA	C4B-CHC	2.82	1.48	1.41
17	e	101	BCR	C11-C12	-2.82	1.27	1.34
14	Z	821	CLA	C4D-CHA	2.82	1.48	1.38
14	B	818	CLA	C3D-C2D	2.82	1.46	1.39
14	Z	814	CLA	OBD-CAD	2.82	1.27	1.22
14	B	802	CLA	C4D-CHA	2.82	1.48	1.38
14	Y	826	CLA	C3D-C2D	2.82	1.46	1.39
14	j	102	CLA	C1B-CHB	2.82	1.48	1.41
14	B	828	CLA	C4D-CHA	2.82	1.48	1.38
14	H	837	CLA	C4B-CHC	2.82	1.48	1.41
14	B	810	CLA	MG-ND	-2.82	2.00	2.05
14	Y	828	CLA	C4B-CHC	2.82	1.48	1.41
14	W	1701	CLA	C4D-CHA	2.82	1.48	1.38
14	G	819	CLA	C1C-NC	-2.82	1.33	1.37
14	B	827	CLA	MG-ND	-2.82	2.00	2.05
14	H	819	CLA	C3D-C2D	2.82	1.46	1.39
14	B	808	CLA	CHD-C4C	2.82	1.45	1.39
14	Z	825	CLA	C4B-CHC	2.82	1.48	1.41
14	Z	838	CLA	C3D-C2D	2.82	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	832	CLA	C1B-CHB	2.82	1.48	1.41
14	A	832	CLA	MG-NC	2.81	2.13	2.06
14	G	836	CLA	C4C-C3C	2.81	1.49	1.45
14	Y	828	CLA	C1C-NC	-2.81	1.33	1.37
14	H	840	CLA	C1B-CHB	2.81	1.48	1.41
14	G	816	CLA	C1D-ND	-2.81	1.34	1.37
13	A	801	CL0	C3D-C2D	2.81	1.46	1.39
14	G	809	CLA	MG-ND	-2.81	2.00	2.05
14	H	831	CLA	C1D-C2D	2.81	1.50	1.45
14	Z	815	CLA	C4D-CHA	2.81	1.48	1.38
14	Y	830	CLA	C1C-NC	-2.81	1.33	1.37
14	A	823	CLA	C3D-C2D	2.81	1.46	1.39
14	H	839	CLA	C4D-CHA	2.81	1.48	1.38
14	Y	841	CLA	MG-ND	-2.81	2.00	2.05
14	A	806	CLA	C1D-ND	-2.81	1.34	1.37
14	T	103	CLA	C4D-CHA	2.81	1.48	1.38
14	Z	817	CLA	MG-ND	-2.81	2.00	2.05
14	G	809	CLA	C3D-C2D	2.81	1.46	1.39
14	Y	831	CLA	C3D-C2D	2.81	1.46	1.39
14	A	837	CLA	C4B-CHC	2.81	1.48	1.41
14	U	1007	CLA	C4D-CHA	2.81	1.48	1.38
14	Z	803	CLA	C3D-C2D	2.80	1.46	1.39
14	Z	803	CLA	C4D-CHA	2.80	1.48	1.38
14	Z	834	CLA	C1C-NC	-2.80	1.33	1.37
14	H	808	CLA	C4D-CHA	2.80	1.48	1.38
14	U	1006	CLA	C1B-CHB	2.80	1.48	1.41
14	d	201	CLA	C4B-CHC	2.80	1.48	1.41
17	Z	848	BCR	C30-C25	-2.80	1.49	1.53
14	H	836	CLA	C1B-CHB	2.80	1.48	1.41
14	H	851	CLA	C1D-ND	-2.80	1.34	1.37
14	Y	812	CLA	C1D-ND	-2.80	1.34	1.37
14	B	824	CLA	C4B-CHC	2.80	1.48	1.41
14	Y	837	CLA	C4C-C3C	2.80	1.49	1.45
14	B	832	CLA	C1C-NC	-2.80	1.33	1.37
14	Z	831	CLA	C3D-C2D	2.80	1.46	1.39
14	A	820	CLA	MG-NC	2.80	2.12	2.06
14	B	823	CLA	MG-ND	-2.80	2.00	2.05
14	G	811	CLA	C3D-C2D	2.80	1.46	1.39
14	H	825	CLA	C1D-ND	-2.80	1.34	1.37
14	H	808	CLA	MG-NC	2.80	2.12	2.06
14	G	832	CLA	C4D-CHA	2.80	1.48	1.38
14	A	838	CLA	C4D-CHA	2.80	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	812	CLA	C3D-C2D	2.80	1.46	1.39
14	G	836	CLA	C1C-C2C	2.80	1.50	1.44
14	Y	827	CLA	C4D-CHA	2.80	1.48	1.38
14	B	820	CLA	C4C-C3C	2.79	1.49	1.45
14	H	813	CLA	C1D-ND	-2.79	1.34	1.37
14	Z	819	CLA	C4D-CHA	2.79	1.48	1.38
14	A	807	CLA	C3D-C2D	2.79	1.46	1.39
14	G	816	CLA	C3D-C2D	2.79	1.46	1.39
14	Y	806	CLA	C4D-CHA	2.79	1.48	1.38
14	H	805	CLA	C1B-CHB	2.79	1.48	1.41
14	B	834	CLA	C3D-C2D	2.79	1.46	1.39
14	A	822	CLA	MG-NC	2.79	2.12	2.06
14	G	804	CLA	MG-NC	2.79	2.12	2.06
14	G	840	CLA	C4D-CHA	2.79	1.48	1.38
14	B	840	CLA	C1D-C2D	2.79	1.50	1.45
14	Z	801	CLA	C3D-C2D	2.79	1.46	1.39
14	H	814	CLA	C1C-NC	-2.79	1.33	1.37
14	Z	803	CLA	C4B-CHC	2.79	1.48	1.41
14	H	836	CLA	C4D-CHA	2.79	1.48	1.38
14	G	817	CLA	C1D-C2D	2.79	1.50	1.45
14	A	824	CLA	C4D-CHA	2.79	1.48	1.38
14	H	810	CLA	C1B-NB	-2.79	1.32	1.35
14	G	805	CLA	C1B-CHB	2.79	1.48	1.41
17	Z	845	BCR	C11-C12	-2.79	1.27	1.34
14	H	831	CLA	C1D-ND	-2.79	1.34	1.37
14	G	802	CLA	MG-ND	-2.79	2.00	2.05
14	X	1701	CLA	C4B-CHC	2.78	1.48	1.41
14	B	803	CLA	C1C-NC	-2.78	1.33	1.37
14	Y	839	CLA	C1D-ND	-2.78	1.34	1.37
14	A	835	CLA	C1D-ND	-2.78	1.34	1.37
14	Y	803	CLA	C3D-C2D	2.78	1.46	1.39
14	H	838	CLA	C4D-CHA	2.78	1.48	1.38
14	H	805	CLA	C4D-CHA	2.78	1.48	1.38
14	U	1003	CLA	C1C-NC	-2.78	1.33	1.37
14	A	829	CLA	OBD-CAD	2.78	1.27	1.22
14	Z	821	CLA	C1C-NC	-2.78	1.33	1.37
14	B	825	CLA	C1B-CHB	2.78	1.48	1.41
14	G	824	CLA	MG-NC	2.78	2.12	2.06
14	G	833	CLA	C3D-C2D	2.78	1.46	1.39
14	h	206	CLA	C3D-C2D	2.78	1.46	1.39
14	H	834	CLA	C4D-CHA	2.78	1.48	1.38
14	Y	835	CLA	C1C-C2C	2.78	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	841	CLA	C4D-CHA	2.78	1.48	1.38
14	Y	829	CLA	MG-NC	2.78	2.12	2.06
14	B	821	CLA	C3D-C2D	2.78	1.46	1.39
14	Q	202	CLA	C1D-ND	-2.78	1.34	1.37
14	A	817	CLA	C3D-C2D	2.77	1.46	1.39
14	Y	840	CLA	C3D-C2D	2.77	1.46	1.39
17	Z	844	BCR	C11-C12	-2.77	1.27	1.34
14	Y	806	CLA	MG-NC	2.77	2.12	2.06
14	Z	827	CLA	C1C-NC	-2.77	1.33	1.37
14	B	809	CLA	C4D-CHA	2.77	1.48	1.38
14	G	805	CLA	C1C-C2C	2.77	1.49	1.44
14	B	826	CLA	C1D-ND	-2.77	1.34	1.37
14	B	827	CLA	C4B-CHC	2.77	1.48	1.41
14	A	823	CLA	C1C-NC	-2.77	1.33	1.37
14	G	816	CLA	C1B-CHB	2.77	1.48	1.41
14	G	813	CLA	C3D-C2D	2.77	1.46	1.39
14	Y	823	CLA	C1B-CHB	2.77	1.48	1.41
17	A	851	BCR	C21-C22	-2.77	1.32	1.35
14	Z	832	CLA	MG-NC	2.77	2.12	2.06
14	Y	803	CLA	MG-NC	2.77	2.12	2.06
14	Z	810	CLA	C1B-CHB	2.77	1.48	1.41
14	Y	819	CLA	C1D-C2D	2.77	1.50	1.45
14	Y	807	CLA	C4B-CHC	2.77	1.48	1.41
14	Z	808	CLA	C3D-C2D	2.77	1.46	1.39
14	G	823	CLA	C3D-C2D	2.76	1.46	1.39
14	A	820	CLA	C4B-CHC	2.76	1.48	1.41
14	A	806	CLA	C3D-C2D	2.76	1.46	1.39
14	A	805	CLA	MG-ND	-2.76	2.00	2.05
14	B	819	CLA	C4B-CHC	2.76	1.48	1.41
14	A	817	CLA	C4B-CHC	2.76	1.48	1.41
14	Y	804	CLA	C3D-C2D	2.76	1.46	1.39
14	B	815	CLA	MG-NC	2.76	2.12	2.06
14	A	832	CLA	C4B-CHC	2.76	1.48	1.41
14	G	812	CLA	C1B-CHB	2.76	1.48	1.41
14	Y	820	CLA	C3D-C2D	2.76	1.46	1.39
14	J	101	CLA	C1B-CHB	2.76	1.48	1.41
14	G	835	CLA	C4D-CHA	2.76	1.48	1.38
14	B	828	CLA	C3D-C2D	2.76	1.46	1.39
14	G	834	CLA	C4B-CHC	2.76	1.48	1.41
14	B	839	CLA	C4C-C3C	2.76	1.49	1.45
14	Y	828	CLA	C3D-C2D	2.76	1.46	1.39
14	Y	804	CLA	C4B-CHC	2.76	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CLA	MG-NC	2.76	2.12	2.06
14	h	201	CLA	C3D-C2D	2.76	1.46	1.39
14	A	803	CLA	MG-ND	-2.76	2.00	2.05
14	G	818	CLA	MG-ND	-2.76	2.00	2.05
14	H	830	CLA	MG-ND	-2.76	2.00	2.05
14	G	821	CLA	C3D-C2D	2.76	1.46	1.39
14	H	839	CLA	C1B-NB	-2.76	1.32	1.35
14	Y	808	CLA	C1B-NB	-2.76	1.32	1.35
14	Z	836	CLA	C4D-CHA	2.76	1.48	1.38
14	Y	821	CLA	C1D-C2D	2.76	1.50	1.45
14	H	821	CLA	C1B-CHB	2.76	1.48	1.41
14	B	811	CLA	C3D-C2D	2.76	1.46	1.39
14	G	820	CLA	C3D-C2D	2.75	1.46	1.39
14	A	808	CLA	C1D-C2D	2.75	1.50	1.45
14	A	840	CLA	MG-ND	-2.75	2.00	2.05
14	T	101	CLA	MG-NC	2.75	2.12	2.06
14	J	101	CLA	C4D-CHA	2.75	1.48	1.38
14	B	822	CLA	C4B-CHC	2.75	1.48	1.41
14	H	811	CLA	C4D-CHA	2.75	1.48	1.38
14	J	102	CLA	C1D-ND	-2.75	1.34	1.37
14	B	817	CLA	C1B-CHB	2.75	1.48	1.41
14	B	815	CLA	C4D-CHA	2.75	1.48	1.38
14	A	812	CLA	C1D-C2D	2.75	1.50	1.45
14	T	101	CLA	C1D-C2D	2.75	1.50	1.45
14	B	819	CLA	C4D-CHA	2.75	1.48	1.38
14	H	831	CLA	C1B-CHB	2.75	1.48	1.41
14	Z	839	CLA	C1D-C2D	2.75	1.50	1.45
14	G	835	CLA	C3D-C2D	2.75	1.46	1.39
14	H	813	CLA	C4C-C3C	2.75	1.49	1.45
14	G	828	CLA	MG-NC	2.75	2.12	2.06
14	Z	805	CLA	C1C-NC	-2.75	1.33	1.37
14	Z	802	CLA	C4D-CHA	2.75	1.48	1.38
14	Y	841	CLA	C3D-C2D	2.74	1.46	1.39
14	A	807	CLA	MG-NC	2.74	2.12	2.06
14	B	829	CLA	OBD-CAD	2.74	1.27	1.22
14	Y	818	CLA	C4D-CHA	2.74	1.48	1.38
14	B	825	CLA	C4B-CHC	2.74	1.48	1.41
17	A	848	BCR	C11-C12	-2.74	1.27	1.34
14	G	841	CLA	C1B-CHB	2.74	1.48	1.41
14	G	817	CLA	C1B-CHB	2.74	1.48	1.41
14	Z	839	CLA	C1D-ND	-2.74	1.34	1.37
14	B	823	CLA	C4D-CHA	2.74	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	837	CLA	C1B-CHB	2.74	1.48	1.41
14	Y	831	CLA	C1D-ND	-2.74	1.34	1.37
14	Z	815	CLA	C1D-ND	-2.74	1.34	1.37
14	H	822	CLA	C3D-C2D	2.74	1.46	1.39
14	H	838	CLA	C1B-CHB	2.74	1.48	1.41
14	Y	805	CLA	C1D-ND	-2.74	1.34	1.37
14	A	818	CLA	C4D-CHA	2.74	1.48	1.38
14	A	833	CLA	C4B-CHC	2.74	1.48	1.41
14	Z	815	CLA	MG-ND	-2.74	2.00	2.05
14	A	840	CLA	C3D-C2D	2.74	1.46	1.39
14	H	829	CLA	C3D-C2D	2.74	1.46	1.39
14	G	828	CLA	C1D-ND	-2.74	1.34	1.37
14	B	803	CLA	C1B-CHB	2.74	1.48	1.41
14	B	810	CLA	C4B-CHC	2.74	1.48	1.41
14	G	838	CLA	C3D-C2D	2.74	1.46	1.39
14	A	815	CLA	C3D-C2D	2.74	1.46	1.39
14	Y	803	CLA	C1B-CHB	2.74	1.48	1.41
14	A	826	CLA	C3D-C2D	2.74	1.46	1.39
14	A	832	CLA	MG-ND	-2.74	2.00	2.05
14	A	836	CLA	C3D-C2D	2.74	1.46	1.39
14	A	854	CLA	C4B-CHC	2.74	1.48	1.41
14	B	820	CLA	C1B-CHB	2.74	1.48	1.41
14	T	101	CLA	C3D-C2D	2.74	1.46	1.39
14	G	808	CLA	OBD-CAD	2.74	1.27	1.22
14	H	834	CLA	C1C-NC	-2.73	1.33	1.37
14	B	826	CLA	C4B-CHC	2.73	1.48	1.41
14	B	835	CLA	C4B-CHC	2.73	1.48	1.41
14	B	826	CLA	OBD-CAD	2.73	1.27	1.22
14	B	833	CLA	C4B-CHC	2.73	1.48	1.41
14	Z	805	CLA	C3D-C2D	2.73	1.46	1.39
14	L	202	CLA	C3B-C2B	2.73	1.44	1.40
14	Y	808	CLA	C4B-CHC	2.73	1.48	1.41
14	L	204	CLA	C3D-C2D	2.73	1.46	1.39
14	G	803	CLA	C3D-C2D	2.73	1.46	1.39
14	Z	836	CLA	C3D-C2D	2.73	1.46	1.39
14	A	819	CLA	C4B-CHC	2.73	1.48	1.41
14	A	818	CLA	C3D-C2D	2.73	1.46	1.39
14	B	835	CLA	C1D-C2D	2.73	1.50	1.45
13	G	801	CL0	C4C-C3C	2.73	1.49	1.45
14	B	831	CLA	MG-ND	-2.73	2.00	2.05
14	A	818	CLA	C1B-CHB	2.73	1.48	1.41
14	A	809	CLA	MG-NC	2.73	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	826	CLA	C3D-C2D	2.73	1.46	1.39
14	T	101	CLA	C1D-ND	-2.73	1.34	1.37
14	W	1701	CLA	C1B-CHB	2.73	1.48	1.41
14	H	835	CLA	C1B-CHB	2.73	1.48	1.41
14	B	804	CLA	C1D-ND	-2.73	1.34	1.37
14	Z	841	CLA	C1C-NC	-2.73	1.33	1.37
14	A	815	CLA	C1D-C2D	2.73	1.50	1.45
14	g	101	CLA	OBD-CAD	2.73	1.28	1.23
14	A	831	CLA	C4D-CHA	2.73	1.48	1.38
14	G	830	CLA	C4D-CHA	2.72	1.48	1.38
14	G	842	CLA	C3D-C2D	2.72	1.46	1.39
14	Y	832	CLA	C1B-CHB	2.72	1.48	1.41
14	U	1004	CLA	MG-ND	-2.72	2.00	2.05
14	Y	831	CLA	OBD-CAD	2.72	1.27	1.22
14	B	808	CLA	C3D-C2D	2.72	1.46	1.39
14	Z	810	CLA	MG-NC	2.72	2.12	2.06
14	A	805	CLA	C4D-CHA	2.72	1.48	1.38
14	H	838	CLA	MG-NC	2.72	2.12	2.06
14	Y	831	CLA	C1C-NC	-2.72	1.33	1.37
14	H	838	CLA	C1D-C2D	2.72	1.50	1.45
14	H	827	CLA	MG-NC	2.72	2.12	2.06
14	B	821	CLA	MG-ND	-2.72	2.00	2.05
14	B	802	CLA	MG-NC	2.72	2.12	2.06
14	Y	832	CLA	C3D-C2D	2.72	1.46	1.39
14	A	814	CLA	C1C-NC	-2.72	1.33	1.37
14	G	828	CLA	C3D-C2D	2.72	1.46	1.39
14	A	825	CLA	MG-ND	-2.72	2.00	2.05
14	Y	839	CLA	C1C-NC	-2.72	1.33	1.37
14	H	818	CLA	C4B-CHC	2.72	1.48	1.41
14	Y	812	CLA	C1B-CHB	2.72	1.48	1.41
14	B	837	CLA	C1C-NC	-2.72	1.33	1.37
14	H	807	CLA	C3B-C2B	2.72	1.44	1.40
14	H	815	CLA	MG-NC	2.72	2.12	2.06
14	Z	831	CLA	C4D-CHA	2.71	1.48	1.38
14	A	811	CLA	C1D-C2D	2.71	1.50	1.45
14	G	810	CLA	C1D-C2D	2.71	1.50	1.45
14	Y	830	CLA	MG-NC	2.71	2.12	2.06
14	H	825	CLA	MG-ND	-2.71	2.00	2.05
14	A	807	CLA	C1D-C2D	2.71	1.50	1.45
14	H	828	CLA	MG-ND	-2.71	2.00	2.05
14	Y	809	CLA	C4B-CHC	2.71	1.48	1.41
14	G	819	CLA	MG-NC	2.71	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	818	CLA	C1D-C2D	2.71	1.50	1.45
14	Y	834	CLA	C4C-C3C	2.71	1.49	1.45
14	Y	820	CLA	MG-NC	2.71	2.12	2.06
14	Y	812	CLA	C4B-CHC	2.71	1.48	1.41
14	Z	803	CLA	C1C-NC	-2.71	1.33	1.37
14	H	801	CLA	C1B-CHB	2.71	1.48	1.41
14	B	805	CLA	C4D-CHA	2.71	1.48	1.38
14	H	802	CLA	C1D-ND	-2.71	1.34	1.37
14	Z	802	CLA	C4B-CHC	2.71	1.48	1.41
14	G	810	CLA	C4B-CHC	2.71	1.48	1.41
14	J	101	CLA	C4B-CHC	2.71	1.48	1.41
14	Z	809	CLA	C1B-CHB	2.71	1.48	1.41
14	Y	817	CLA	C1D-ND	-2.71	1.34	1.37
14	Z	816	CLA	C1D-ND	-2.71	1.34	1.37
14	G	805	CLA	C4D-CHA	2.71	1.48	1.38
14	B	812	CLA	C4C-C3C	2.71	1.49	1.45
14	Z	811	CLA	C1C-C2C	2.71	1.49	1.44
14	G	815	CLA	MG-NC	2.70	2.12	2.06
14	Y	809	CLA	MG-NC	2.70	2.12	2.06
14	G	804	CLA	C1D-ND	-2.70	1.34	1.37
14	G	829	CLA	C4B-CHC	2.70	1.48	1.41
14	G	813	CLA	C1D-ND	-2.70	1.34	1.37
14	A	832	CLA	C3D-C2D	2.70	1.46	1.39
14	L	205	CLA	C3D-C2D	2.70	1.46	1.39
14	G	816	CLA	C4C-C3C	2.70	1.49	1.45
14	X	1701	CLA	C4C-C3C	2.70	1.49	1.45
14	Z	814	CLA	MG-NC	2.70	2.12	2.06
14	Z	807	CLA	MG-NC	2.70	2.12	2.06
14	Z	809	CLA	C3D-C2D	2.70	1.46	1.39
14	A	828	CLA	MG-NC	2.70	2.12	2.06
14	B	814	CLA	MG-NC	2.70	2.12	2.06
14	G	814	CLA	C3D-C2D	2.70	1.46	1.39
14	G	831	CLA	C4B-CHC	2.70	1.48	1.41
14	Z	814	CLA	C1C-NC	-2.70	1.33	1.37
14	d	201	CLA	C1C-NC	-2.70	1.33	1.37
14	H	828	CLA	C1D-ND	-2.70	1.34	1.37
14	G	817	CLA	C3D-C2D	2.70	1.46	1.39
14	A	803	CLA	C1D-ND	-2.70	1.34	1.37
14	G	852	CLA	C4D-CHA	2.70	1.48	1.38
14	H	819	CLA	C4B-CHC	2.70	1.48	1.41
14	G	823	CLA	C1B-CHB	2.70	1.48	1.41
14	L	202	CLA	C1C-C2C	2.70	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	801	CL0	C4D-CHA	2.70	1.48	1.38
14	Z	805	CLA	C4D-CHA	2.70	1.48	1.38
14	h	204	CLA	C4D-CHA	2.70	1.48	1.38
14	A	816	CLA	MG-NC	2.69	2.12	2.06
17	B	846	BCR	C23-C22	2.69	1.51	1.45
14	A	820	CLA	C1D-ND	-2.69	1.34	1.37
14	A	811	CLA	MG-ND	-2.69	2.00	2.05
14	H	813	CLA	C4D-CHA	2.69	1.48	1.38
14	Y	810	CLA	C4D-CHA	2.69	1.48	1.38
14	H	825	CLA	C1C-NC	-2.69	1.33	1.37
14	L	205	CLA	MG-ND	-2.69	2.00	2.05
14	A	836	CLA	C4D-CHA	2.69	1.48	1.38
14	H	808	CLA	MG-ND	-2.69	2.00	2.05
14	B	806	CLA	C4D-CHA	2.69	1.48	1.38
14	G	840	CLA	C3D-C2D	2.69	1.46	1.39
14	S	1102	CLA	C1D-C2D	2.69	1.50	1.45
14	Y	815	CLA	C1D-C2D	2.69	1.50	1.45
14	Y	808	CLA	MG-NC	2.69	2.12	2.06
14	A	827	CLA	C1D-C2D	2.69	1.50	1.45
14	H	811	CLA	MG-ND	-2.69	2.00	2.05
14	G	852	CLA	OBD-CAD	2.69	1.27	1.22
14	A	854	CLA	MG-NC	2.69	2.12	2.06
14	Y	804	CLA	MG-NC	2.69	2.12	2.06
14	A	818	CLA	C1C-C2C	2.69	1.49	1.44
14	A	804	CLA	C1D-C2D	2.69	1.50	1.45
14	G	818	CLA	C4D-CHA	2.69	1.48	1.38
14	Y	810	CLA	MG-ND	-2.69	2.00	2.05
14	B	836	CLA	C1B-CHB	2.69	1.48	1.41
14	T	103	CLA	C1B-CHB	2.69	1.48	1.41
14	B	816	CLA	C4B-CHC	2.69	1.48	1.41
14	H	814	CLA	C1B-NB	-2.69	1.32	1.35
14	A	843	CLA	C1D-C2D	2.69	1.50	1.45
14	Y	838	CLA	C1B-CHB	2.69	1.48	1.41
14	Y	829	CLA	C4D-CHA	2.69	1.47	1.38
14	H	812	CLA	C1C-NC	-2.69	1.33	1.37
14	B	834	CLA	MG-NC	2.69	2.12	2.06
14	H	805	CLA	MG-NC	2.69	2.12	2.06
14	Z	832	CLA	C3D-C2D	2.68	1.46	1.39
14	G	816	CLA	C4D-CHA	2.68	1.47	1.38
13	Y	801	CL0	C1B-CHB	2.68	1.48	1.41
14	Z	838	CLA	C4B-CHC	2.68	1.48	1.41
14	G	804	CLA	C4D-CHA	2.68	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	809	CLA	C4D-CHA	2.68	1.47	1.38
14	Z	834	CLA	C4D-CHA	2.68	1.47	1.38
14	G	837	CLA	C1C-NC	-2.68	1.33	1.37
14	A	808	CLA	C4D-CHA	2.68	1.47	1.38
14	G	822	CLA	C1C-NC	-2.68	1.33	1.37
14	G	827	CLA	C1C-C2C	2.68	1.49	1.44
14	B	833	CLA	C1D-C2D	2.68	1.50	1.45
14	S	1103	CLA	C4D-CHA	2.68	1.47	1.38
14	H	826	CLA	MG-NC	2.68	2.12	2.06
14	Z	801	CLA	C4B-CHC	2.68	1.48	1.41
14	Z	814	CLA	C1C-C2C	2.68	1.49	1.44
14	B	814	CLA	C4D-CHA	2.68	1.47	1.38
14	G	817	CLA	C4D-CHA	2.68	1.47	1.38
14	A	804	CLA	C3D-C2D	2.68	1.46	1.39
14	H	814	CLA	C4D-CHA	2.68	1.47	1.38
14	Y	835	CLA	C4B-CHC	2.68	1.48	1.41
14	B	834	CLA	C1D-C2D	2.68	1.50	1.45
14	H	826	CLA	C1C-NC	-2.68	1.33	1.37
14	G	807	CLA	C4B-CHC	2.68	1.48	1.41
14	G	823	CLA	C4D-CHA	2.68	1.47	1.38
14	Y	810	CLA	C4B-CHC	2.68	1.48	1.41
14	H	826	CLA	C4D-CHA	2.68	1.47	1.38
14	A	842	CLA	C1C-NC	-2.67	1.33	1.37
14	Y	813	CLA	MG-NC	2.67	2.12	2.06
14	G	817	CLA	C4B-CHC	2.67	1.48	1.41
14	H	816	CLA	C4D-CHA	2.67	1.47	1.38
14	Y	839	CLA	C3D-C2D	2.67	1.46	1.39
14	G	828	CLA	C4D-CHA	2.67	1.47	1.38
14	G	839	CLA	C1D-ND	-2.67	1.34	1.37
14	H	840	CLA	C4B-CHC	2.67	1.48	1.41
14	B	833	CLA	MG-NC	2.67	2.12	2.06
14	A	827	CLA	C4D-CHA	2.67	1.47	1.38
14	Y	813	CLA	C1C-NC	-2.67	1.33	1.37
14	Z	823	CLA	C4C-C3C	2.67	1.49	1.45
14	H	820	CLA	C4D-CHA	2.67	1.47	1.38
14	G	816	CLA	C1D-C2D	2.67	1.50	1.45
14	B	811	CLA	C1D-ND	-2.67	1.34	1.37
14	Y	821	CLA	C1D-ND	-2.67	1.34	1.37
14	Y	823	CLA	C1D-ND	-2.67	1.34	1.37
14	Y	809	CLA	C1D-C2D	2.67	1.50	1.45
14	G	841	CLA	C1D-ND	-2.67	1.34	1.37
14	H	839	CLA	C1C-C2C	2.67	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	806	CLA	C4D-CHA	2.67	1.47	1.38
14	H	822	CLA	C1D-ND	-2.67	1.34	1.37
14	B	814	CLA	C1D-ND	-2.67	1.34	1.37
14	Y	817	CLA	C4D-CHA	2.67	1.47	1.38
14	U	1006	CLA	C4B-CHC	2.67	1.48	1.41
14	G	840	CLA	MG-ND	-2.66	2.00	2.05
14	L	206	CLA	MG-ND	-2.66	2.00	2.05
14	G	833	CLA	C4B-NB	-2.66	1.32	1.35
14	H	809	CLA	C4D-CHA	2.66	1.47	1.38
14	Y	807	CLA	C4D-CHA	2.66	1.47	1.38
14	H	805	CLA	C1D-C2D	2.66	1.50	1.45
14	Y	816	CLA	C1D-C2D	2.66	1.50	1.45
14	Z	802	CLA	MG-NC	2.66	2.12	2.06
14	H	809	CLA	C1B-NB	-2.66	1.32	1.35
14	A	831	CLA	C4B-CHC	2.66	1.48	1.41
14	G	831	CLA	C4D-CHA	2.66	1.47	1.38
14	Z	830	CLA	C1B-CHB	2.66	1.48	1.41
14	W	1701	CLA	C3D-C2D	2.66	1.46	1.39
14	B	806	CLA	C1D-ND	-2.66	1.34	1.37
14	H	834	CLA	C1D-ND	-2.66	1.34	1.37
14	Z	828	CLA	C4B-NB	-2.66	1.32	1.35
14	G	815	CLA	C3D-C2D	2.66	1.46	1.39
14	A	829	CLA	MG-NC	2.66	2.12	2.06
14	Z	824	CLA	C1C-NC	-2.66	1.33	1.37
14	Z	838	CLA	C1B-CHB	2.66	1.48	1.41
14	H	819	CLA	C1C-NC	-2.66	1.33	1.37
14	A	825	CLA	C1D-C2D	2.66	1.50	1.45
14	A	812	CLA	C1B-CHB	2.66	1.48	1.41
14	G	826	CLA	C3D-C2D	2.66	1.46	1.39
14	A	842	CLA	C4B-CHC	2.66	1.48	1.41
14	Z	815	CLA	C4B-CHC	2.66	1.48	1.41
14	A	820	CLA	C1D-C2D	2.66	1.50	1.45
14	S	1103	CLA	C1B-CHB	2.66	1.48	1.41
14	Y	810	CLA	C1D-ND	-2.66	1.34	1.37
14	G	827	CLA	OBD-CAD	2.66	1.27	1.22
14	Z	816	CLA	C4B-CHC	2.66	1.48	1.41
14	Z	836	CLA	C4B-CHC	2.66	1.48	1.41
14	B	808	CLA	C4D-CHA	2.66	1.47	1.38
14	Z	822	CLA	MG-NC	2.66	2.12	2.06
14	g	101	CLA	C4B-CHC	2.66	1.48	1.41
14	j	102	CLA	C4B-CHC	2.66	1.48	1.41
14	B	818	CLA	MG-NC	2.66	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	806	CLA	MG-NC	2.66	2.12	2.06
14	Y	814	CLA	C4D-CHA	2.66	1.47	1.38
14	A	833	CLA	C1D-ND	-2.65	1.34	1.37
14	Y	825	CLA	C4D-CHA	2.65	1.47	1.38
14	f	101	CLA	C1B-CHB	2.65	1.48	1.41
14	Z	834	CLA	C1D-C2D	2.65	1.50	1.45
14	A	833	CLA	C1B-CHB	2.65	1.48	1.41
14	Y	828	CLA	C1C-C2C	2.65	1.49	1.44
14	H	828	CLA	C4D-CHA	2.65	1.47	1.38
14	A	829	CLA	C4B-CHC	2.65	1.48	1.41
14	H	814	CLA	C1D-C2D	2.65	1.50	1.45
14	G	803	CLA	C4D-CHA	2.65	1.47	1.38
14	Y	803	CLA	MG-ND	-2.65	2.00	2.05
14	Y	838	CLA	C4D-CHA	2.65	1.47	1.38
14	Q	202	CLA	C1B-CHB	2.65	1.48	1.41
14	H	833	CLA	C1D-C2D	2.65	1.50	1.45
14	A	818	CLA	MG-NC	2.65	2.12	2.06
14	B	837	CLA	MG-ND	-2.65	2.00	2.05
14	H	817	CLA	C1C-NC	-2.65	1.33	1.37
14	H	816	CLA	MG-ND	-2.65	2.00	2.05
14	G	815	CLA	C4D-CHA	2.65	1.47	1.38
14	Y	816	CLA	C4D-CHA	2.65	1.47	1.38
14	A	838	CLA	C1B-CHB	2.65	1.48	1.41
14	H	810	CLA	MG-NC	2.65	2.12	2.06
14	G	804	CLA	C4B-CHC	2.65	1.48	1.41
14	A	824	CLA	C1D-C2D	2.65	1.50	1.45
14	H	821	CLA	C4D-ND	2.65	1.41	1.37
14	H	820	CLA	C1C-NC	-2.65	1.33	1.37
14	Y	834	CLA	C1D-C2D	2.65	1.50	1.45
14	H	824	CLA	C4B-CHC	2.65	1.48	1.41
14	B	822	CLA	C1B-CHB	2.65	1.48	1.41
14	Z	839	CLA	C1C-NC	-2.65	1.33	1.37
14	A	804	CLA	C4B-CHC	2.64	1.48	1.41
14	H	851	CLA	C4B-CHC	2.64	1.48	1.41
14	Z	836	CLA	C1B-CHB	2.64	1.48	1.41
14	Y	819	CLA	C4B-CHC	2.64	1.48	1.41
14	T	103	CLA	C1D-C2D	2.64	1.50	1.45
14	B	817	CLA	C1C-NC	-2.64	1.33	1.37
14	Y	827	CLA	C1C-NC	-2.64	1.33	1.37
14	A	808	CLA	C1B-CHB	2.64	1.48	1.41
14	H	816	CLA	MG-NC	2.64	2.12	2.06
14	B	837	CLA	C4B-CHC	2.64	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CLA	C1C-NC	-2.64	1.33	1.37
14	Y	820	CLA	C4B-CHC	2.64	1.48	1.41
14	H	801	CLA	C3D-C2D	2.64	1.46	1.39
14	G	825	CLA	C4C-C3C	2.64	1.49	1.45
14	X	1701	CLA	MG-ND	-2.64	2.00	2.05
14	A	830	CLA	C1D-C2D	2.64	1.50	1.45
14	G	833	CLA	C4D-CHA	2.64	1.47	1.38
14	A	810	CLA	C1B-CHB	2.64	1.48	1.41
14	B	834	CLA	C4D-CHA	2.64	1.47	1.38
14	G	835	CLA	C4B-CHC	2.64	1.48	1.41
14	H	816	CLA	C4B-CHC	2.64	1.48	1.41
14	A	840	CLA	C4B-CHC	2.64	1.48	1.41
14	A	804	CLA	MG-ND	-2.64	2.00	2.05
14	B	803	CLA	MG-ND	-2.64	2.00	2.05
14	Y	807	CLA	MG-NC	2.64	2.12	2.06
14	Y	830	CLA	C1B-CHB	2.64	1.48	1.41
14	G	809	CLA	C4D-CHA	2.64	1.47	1.38
14	G	827	CLA	C1B-CHB	2.64	1.48	1.41
14	B	837	CLA	C4D-CHA	2.63	1.47	1.38
14	H	802	CLA	MG-NC	2.63	2.12	2.06
14	H	832	CLA	C4B-CHC	2.63	1.48	1.41
14	Z	807	CLA	C4B-CHC	2.63	1.48	1.41
14	L	202	CLA	C4B-CHC	2.63	1.48	1.41
14	Z	811	CLA	C4D-CHA	2.63	1.47	1.38
14	Y	824	CLA	C4D-CHA	2.63	1.47	1.38
14	G	825	CLA	C1B-CHB	2.63	1.48	1.41
14	Y	816	CLA	C1B-CHB	2.63	1.48	1.41
14	Z	812	CLA	C4B-CHC	2.63	1.48	1.41
14	G	811	CLA	C4D-CHA	2.63	1.47	1.38
14	H	827	CLA	C4B-CHC	2.63	1.48	1.41
14	Y	806	CLA	C4B-CHC	2.63	1.48	1.41
14	B	836	CLA	C1C-NC	-2.63	1.33	1.37
14	S	1101	CLA	C4D-CHA	2.63	1.47	1.38
14	A	807	CLA	MG-ND	-2.63	2.00	2.05
14	B	835	CLA	MG-ND	-2.63	2.00	2.05
14	G	836	CLA	C4D-CHA	2.63	1.47	1.38
14	Y	802	CLA	MG-NC	2.63	2.12	2.06
14	h	205	CLA	MG-NC	2.63	2.12	2.06
14	H	824	CLA	C4C-C3C	2.63	1.49	1.45
14	G	826	CLA	C1D-C2D	2.63	1.50	1.45
14	Z	801	CLA	C1C-NC	-2.63	1.33	1.37
14	B	817	CLA	MG-NC	2.63	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	101	CLA	C1D-C2D	2.63	1.50	1.45
14	B	806	CLA	C3D-C2D	2.63	1.46	1.39
14	Z	809	CLA	C1C-NC	-2.63	1.33	1.37
14	L	201	CLA	C1B-CHB	2.63	1.48	1.41
14	Q	202	CLA	C4D-CHA	2.63	1.47	1.38
14	H	813	CLA	C4B-CHC	2.62	1.48	1.41
14	g	102	CLA	C1B-CHB	2.62	1.48	1.41
14	B	825	CLA	CHD-C4C	2.62	1.45	1.39
14	H	815	CLA	C1B-CHB	2.62	1.48	1.41
14	A	805	CLA	C4B-CHC	2.62	1.48	1.41
14	L	201	CLA	C4D-CHA	2.62	1.47	1.38
14	B	804	CLA	C4B-NB	-2.62	1.32	1.35
14	A	813	CLA	C1D-ND	-2.62	1.34	1.37
14	A	836	CLA	C1D-ND	-2.62	1.34	1.37
14	H	812	CLA	C4D-CHA	2.62	1.47	1.38
14	Z	819	CLA	MG-NC	2.62	2.12	2.06
13	A	801	CL0	MG-NC	2.62	2.12	2.06
14	G	830	CLA	C4B-NB	-2.62	1.32	1.35
14	H	805	CLA	MG-ND	-2.62	2.00	2.05
14	G	834	CLA	C4D-CHA	2.62	1.47	1.38
14	f	102	CLA	C1B-CHB	2.62	1.48	1.41
14	G	838	CLA	MG-ND	-2.62	2.00	2.05
14	Z	811	CLA	C1B-CHB	2.62	1.48	1.41
14	Y	821	CLA	C4D-CHA	2.62	1.47	1.38
14	Z	828	CLA	MG-ND	-2.62	2.00	2.05
14	A	804	CLA	C4D-CHA	2.62	1.47	1.38
14	B	829	CLA	C4B-CHC	2.62	1.48	1.41
14	H	821	CLA	C4C-C3C	2.62	1.49	1.45
14	G	827	CLA	C4D-CHA	2.62	1.47	1.38
14	G	833	CLA	MG-NC	2.62	2.12	2.06
14	A	828	CLA	C3D-C2D	2.62	1.46	1.39
14	S	1101	CLA	C1D-C2D	2.62	1.50	1.45
14	H	830	CLA	C4C-C3C	2.62	1.49	1.45
14	Z	839	CLA	C4C-C3C	2.62	1.49	1.45
14	G	808	CLA	C4D-CHA	2.62	1.47	1.38
14	G	812	CLA	C4C-C3C	2.62	1.49	1.45
14	Y	813	CLA	C4D-CHA	2.62	1.47	1.38
14	g	101	CLA	C1D-C2D	2.62	1.50	1.45
14	Y	837	CLA	C1B-CHB	2.62	1.48	1.41
14	A	816	CLA	C1D-ND	-2.62	1.34	1.37
14	Y	832	CLA	OBD-CAD	2.61	1.27	1.22
14	Y	811	CLA	C4D-CHA	2.61	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	836	CLA	C4D-CHA	2.61	1.47	1.38
14	Z	810	CLA	C3D-C2D	2.61	1.46	1.39
14	Z	817	CLA	C1C-NC	-2.61	1.33	1.37
14	H	837	CLA	C1B-CHB	2.61	1.48	1.41
14	L	204	CLA	C4B-CHC	2.61	1.48	1.41
14	G	829	CLA	C1C-NC	-2.61	1.33	1.37
14	A	816	CLA	C4D-CHA	2.61	1.47	1.38
14	H	831	CLA	C3D-C2D	2.61	1.46	1.39
14	H	837	CLA	C1D-C2D	2.61	1.50	1.45
14	H	831	CLA	C1C-NC	-2.61	1.33	1.37
14	A	835	CLA	MG-NC	2.61	2.12	2.06
14	G	817	CLA	MG-ND	-2.61	2.00	2.05
14	H	833	CLA	C1C-NC	-2.61	1.33	1.37
14	G	814	CLA	C4B-CHC	2.61	1.48	1.41
14	G	820	CLA	C4D-CHA	2.61	1.47	1.38
14	H	813	CLA	C1B-CHB	2.61	1.48	1.41
14	A	824	CLA	C4B-CHC	2.61	1.48	1.41
14	H	819	CLA	C4C-C3C	2.61	1.49	1.45
14	Q	202	CLA	C4B-CHC	2.61	1.48	1.41
14	A	841	CLA	C4B-CHC	2.60	1.48	1.41
14	B	804	CLA	C1B-NB	-2.60	1.32	1.35
14	Y	829	CLA	C1B-CHB	2.60	1.48	1.41
14	g	102	CLA	C1C-NC	-2.60	1.33	1.37
14	Y	824	CLA	C1D-ND	-2.60	1.34	1.37
14	B	827	CLA	C4D-CHA	2.60	1.47	1.38
14	G	821	CLA	MG-ND	-2.60	2.00	2.05
14	A	809	CLA	C1D-ND	-2.60	1.34	1.37
14	H	816	CLA	C3D-C2D	2.60	1.46	1.39
14	H	837	CLA	C4D-CHA	2.60	1.47	1.38
14	Z	819	CLA	C4B-CHC	2.60	1.48	1.41
14	Z	829	CLA	C4C-C3C	2.60	1.49	1.45
14	Z	815	CLA	C1D-C2D	2.60	1.50	1.45
14	B	820	CLA	C1D-C2D	2.60	1.50	1.45
14	A	825	CLA	MG-NC	2.60	2.12	2.06
14	U	1006	CLA	C1C-NC	-2.60	1.33	1.37
14	Z	838	CLA	MG-ND	-2.60	2.00	2.05
14	Y	825	CLA	C1B-CHB	2.60	1.48	1.41
14	Z	830	CLA	C3D-C2D	2.60	1.46	1.39
14	A	842	CLA	MG-NC	2.60	2.12	2.06
14	B	807	CLA	C1C-NC	-2.60	1.33	1.37
14	G	820	CLA	C4B-CHC	2.60	1.48	1.41
14	Z	818	CLA	C1D-ND	-2.60	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K	101	CLA	C1B-CHB	2.60	1.48	1.41
14	A	824	CLA	MG-NC	2.60	2.12	2.06
14	H	824	CLA	C4D-CHA	2.60	1.47	1.38
14	H	806	CLA	MG-ND	-2.60	2.00	2.05
14	Y	820	CLA	C1D-C2D	2.60	1.50	1.45
14	B	810	CLA	C1B-CHB	2.59	1.48	1.41
14	H	806	CLA	C4B-CHC	2.59	1.48	1.41
14	H	803	CLA	C4D-CHA	2.59	1.47	1.38
13	G	801	CL0	C4D-ND	2.59	1.41	1.37
14	G	816	CLA	MG-NC	2.59	2.12	2.06
14	B	818	CLA	C4D-CHA	2.59	1.47	1.38
14	B	805	CLA	MG-NC	2.59	2.12	2.06
14	G	825	CLA	C4D-CHA	2.59	1.47	1.38
17	U	1009	BCR	C11-C12	-2.59	1.27	1.34
14	Y	810	CLA	C1D-C2D	2.59	1.50	1.45
14	L	202	CLA	C1C-NC	-2.59	1.33	1.37
14	A	843	CLA	C4D-CHA	2.59	1.47	1.38
14	Z	801	CLA	C4D-CHA	2.59	1.47	1.38
14	Y	802	CLA	C1D-ND	-2.59	1.34	1.37
14	Y	817	CLA	C1C-C2C	2.59	1.49	1.44
14	K	101	CLA	C3D-C2D	2.59	1.46	1.39
14	A	810	CLA	MG-ND	-2.59	2.00	2.05
14	Z	817	CLA	MG-NC	2.59	2.12	2.06
14	Z	822	CLA	C1B-CHB	2.59	1.48	1.41
14	Z	833	CLA	C4B-CHC	2.59	1.48	1.41
14	H	830	CLA	C1C-C2C	2.59	1.49	1.44
14	B	801	CLA	C4D-CHA	2.59	1.47	1.38
14	d	202	CLA	C4D-CHA	2.59	1.47	1.38
14	J	102	CLA	C4D-ND	2.59	1.41	1.37
14	Y	804	CLA	C4D-CHA	2.59	1.47	1.38
14	A	826	CLA	C1D-C2D	2.59	1.50	1.45
14	Z	806	CLA	MG-ND	-2.59	2.00	2.05
14	H	851	CLA	MG-NC	2.59	2.12	2.06
14	Y	803	CLA	C4B-CHC	2.59	1.48	1.41
14	Y	835	CLA	C4D-CHA	2.59	1.47	1.38
14	G	816	CLA	C4B-CHC	2.59	1.48	1.41
14	Z	806	CLA	C1C-NC	-2.59	1.33	1.37
14	U	1004	CLA	C4B-CHC	2.59	1.48	1.41
14	B	826	CLA	MG-NC	2.59	2.12	2.06
14	Z	815	CLA	MG-NC	2.59	2.12	2.06
14	B	808	CLA	C1B-CHB	2.58	1.48	1.41
14	U	1007	CLA	C3B-C2B	2.58	1.44	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	817	CLA	C4B-CHC	2.58	1.48	1.41
14	A	817	CLA	C4D-CHA	2.58	1.47	1.38
14	H	817	CLA	C4D-CHA	2.58	1.47	1.38
14	H	835	CLA	C1D-C2D	2.58	1.50	1.45
14	Z	825	CLA	C1C-NC	-2.58	1.33	1.37
14	A	817	CLA	C4C-C3C	2.58	1.49	1.45
14	A	833	CLA	C3B-C2B	2.58	1.44	1.40
14	Z	840	CLA	C4B-CHC	2.58	1.48	1.41
14	A	831	CLA	MG-ND	-2.58	2.00	2.05
14	A	822	CLA	C1B-CHB	2.58	1.48	1.41
14	H	803	CLA	C3D-C2D	2.58	1.46	1.39
14	H	806	CLA	C1D-C2D	2.58	1.50	1.45
14	A	842	CLA	C1B-NB	-2.58	1.32	1.35
14	Z	818	CLA	C1C-NC	-2.58	1.34	1.37
14	G	824	CLA	C4D-CHA	2.58	1.47	1.38
14	G	829	CLA	MG-ND	-2.58	2.00	2.05
14	B	835	CLA	C4C-C3C	2.58	1.49	1.45
14	Z	804	CLA	C4B-CHC	2.58	1.48	1.41
14	T	103	CLA	C4B-CHC	2.58	1.48	1.41
14	Z	827	CLA	C3D-C2D	2.58	1.46	1.39
14	A	819	CLA	C1C-NC	-2.58	1.34	1.37
14	A	825	CLA	C4B-CHC	2.58	1.48	1.41
14	j	102	CLA	C4D-CHA	2.58	1.47	1.38
14	S	1101	CLA	C1B-CHB	2.58	1.48	1.41
14	G	819	CLA	C4B-CHC	2.58	1.48	1.41
17	B	844	BCR	C11-C12	-2.58	1.27	1.34
14	Y	813	CLA	C3D-C2D	2.58	1.46	1.39
14	L	201	CLA	C3D-C2D	2.58	1.46	1.39
14	B	832	CLA	MG-NC	2.58	2.12	2.06
14	K	101	CLA	MG-NC	2.58	2.12	2.06
14	G	839	CLA	C1B-CHB	2.58	1.48	1.41
14	A	829	CLA	C3D-C2D	2.58	1.46	1.39
14	G	811	CLA	MG-NC	2.58	2.12	2.06
14	A	836	CLA	C1C-NC	-2.58	1.34	1.37
14	H	816	CLA	C1C-NC	-2.58	1.34	1.37
14	H	822	CLA	C4D-CHA	2.58	1.47	1.38
14	J	102	CLA	C1D-C2D	2.58	1.50	1.45
14	Y	820	CLA	C1D-ND	-2.58	1.34	1.37
14	G	802	CLA	C4D-CHA	2.58	1.47	1.38
14	B	810	CLA	C1D-C2D	2.57	1.50	1.45
14	A	828	CLA	C1B-CHB	2.57	1.48	1.41
14	Y	810	CLA	MG-NC	2.57	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	835	CLA	C4B-CHC	2.57	1.48	1.41
14	B	816	CLA	C4C-C3C	2.57	1.49	1.45
14	Z	817	CLA	C4D-CHA	2.57	1.47	1.38
14	A	836	CLA	C1B-CHB	2.57	1.48	1.41
14	Z	817	CLA	C1D-C2D	2.57	1.50	1.45
14	L	206	CLA	C4B-CHC	2.57	1.48	1.41
14	A	833	CLA	C1C-NC	-2.57	1.34	1.37
14	A	835	CLA	C4D-CHA	2.57	1.47	1.38
13	A	801	CL0	C1B-CHB	2.57	1.48	1.41
14	Y	820	CLA	C4D-CHA	2.57	1.47	1.38
14	H	807	CLA	C1B-NB	-2.57	1.32	1.35
14	A	820	CLA	C1B-CHB	2.57	1.48	1.41
14	Z	829	CLA	C1B-CHB	2.57	1.48	1.41
14	g	102	CLA	C4D-CHA	2.57	1.47	1.38
14	A	842	CLA	C3D-C2D	2.57	1.46	1.39
14	A	841	CLA	C4D-CHA	2.57	1.47	1.38
14	G	834	CLA	C1C-NC	-2.57	1.34	1.37
14	B	819	CLA	C3D-C2D	2.57	1.46	1.39
14	h	201	CLA	C4B-CHC	2.57	1.48	1.41
14	Q	202	CLA	MG-ND	-2.57	2.00	2.05
14	j	102	CLA	C1C-NC	-2.57	1.34	1.37
14	Z	816	CLA	C4D-CHA	2.57	1.47	1.38
14	Y	817	CLA	C1B-CHB	2.57	1.48	1.41
14	Z	837	CLA	MG-NC	2.57	2.12	2.06
14	S	1102	CLA	C1D-ND	-2.57	1.34	1.37
14	Z	821	CLA	MG-NC	2.56	2.12	2.06
14	G	806	CLA	C4D-CHA	2.56	1.47	1.38
14	A	802	CLA	C4D-CHA	2.56	1.47	1.38
14	Z	812	CLA	MG-NC	2.56	2.12	2.06
14	H	838	CLA	C1D-ND	-2.56	1.34	1.37
14	B	838	CLA	C4D-CHA	2.56	1.47	1.38
14	Y	809	CLA	C4D-CHA	2.56	1.47	1.38
14	G	818	CLA	MG-NC	2.56	2.12	2.06
14	G	813	CLA	C4B-CHC	2.56	1.48	1.41
14	B	825	CLA	C4D-CHA	2.56	1.47	1.38
14	A	815	CLA	C1D-ND	-2.56	1.34	1.37
14	L	205	CLA	C1B-NB	-2.56	1.32	1.35
14	Y	813	CLA	C4B-CHC	2.56	1.48	1.41
14	H	827	CLA	C3D-C2D	2.56	1.46	1.39
14	Z	834	CLA	C4B-CHC	2.56	1.48	1.41
14	G	841	CLA	MG-ND	-2.56	2.00	2.05
14	A	821	CLA	C1B-CHB	2.56	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	813	CLA	C4D-CHA	2.56	1.47	1.38
14	B	835	CLA	C1B-CHB	2.56	1.48	1.41
14	Z	828	CLA	C4D-CHA	2.56	1.47	1.38
14	X	1701	CLA	C4D-CHA	2.56	1.47	1.38
14	H	818	CLA	C1B-CHB	2.56	1.48	1.41
14	H	802	CLA	C4D-CHA	2.56	1.47	1.38
14	B	820	CLA	C4B-CHC	2.56	1.48	1.41
14	A	839	CLA	C1C-C2C	2.55	1.49	1.44
14	H	851	CLA	MG-ND	-2.55	2.00	2.05
14	H	822	CLA	MG-NC	2.55	2.12	2.06
14	A	835	CLA	C4B-CHC	2.55	1.48	1.41
14	G	803	CLA	C4B-CHC	2.55	1.48	1.41
14	Z	816	CLA	C1C-NC	-2.55	1.34	1.37
14	H	826	CLA	C1B-CHB	2.55	1.48	1.41
14	h	205	CLA	C4B-CHC	2.55	1.48	1.41
14	A	828	CLA	C4D-CHA	2.55	1.47	1.38
14	A	822	CLA	C4D-CHA	2.55	1.47	1.38
14	S	1102	CLA	C1B-CHB	2.55	1.48	1.41
14	A	830	CLA	C1C-NC	-2.55	1.34	1.37
14	A	816	CLA	C3D-C2D	2.55	1.46	1.39
14	H	811	CLA	MG-NC	2.55	2.12	2.06
14	Z	825	CLA	C4D-CHA	2.55	1.47	1.38
14	G	808	CLA	C1C-C2C	2.55	1.49	1.44
14	H	840	CLA	MG-ND	-2.55	2.00	2.05
14	H	825	CLA	MG-NC	2.55	2.12	2.06
14	Y	822	CLA	C4D-CHA	2.55	1.47	1.38
14	H	804	CLA	C3D-C2D	2.55	1.46	1.39
14	B	821	CLA	MG-NC	2.55	2.12	2.06
14	G	824	CLA	C1C-C2C	2.55	1.49	1.44
14	A	811	CLA	C1C-NC	-2.55	1.34	1.37
14	B	810	CLA	C4D-CHA	2.55	1.47	1.38
14	Y	819	CLA	MG-NC	2.55	2.12	2.06
14	h	206	CLA	C1B-CHB	2.55	1.48	1.41
14	U	1006	CLA	C4D-CHA	2.55	1.47	1.38
14	A	822	CLA	C3D-C2D	2.55	1.46	1.39
14	L	201	CLA	C4B-CHC	2.54	1.48	1.41
14	Z	811	CLA	C4B-CHC	2.54	1.48	1.41
14	B	839	CLA	MG-NC	2.54	2.12	2.06
14	Z	813	CLA	C1B-CHB	2.54	1.48	1.41
14	H	822	CLA	C1B-CHB	2.54	1.48	1.41
14	A	830	CLA	C1B-CHB	2.54	1.48	1.41
14	A	830	CLA	C4D-CHA	2.54	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	817	CLA	C3D-C2D	2.54	1.46	1.39
14	A	838	CLA	C1D-C2D	2.54	1.50	1.45
14	K	102	CLA	C1D-C2D	2.54	1.50	1.45
14	U	1002	CLA	MG-ND	-2.54	2.00	2.05
14	H	816	CLA	C1D-C2D	2.54	1.50	1.45
14	Z	833	CLA	C1C-NC	-2.54	1.34	1.37
14	A	814	CLA	MG-ND	-2.54	2.00	2.05
14	G	823	CLA	MG-NC	2.54	2.12	2.06
14	G	852	CLA	MG-ND	-2.54	2.00	2.05
14	B	833	CLA	C4D-CHA	2.54	1.47	1.38
14	G	806	CLA	C1C-NC	-2.54	1.34	1.37
14	B	819	CLA	C1B-CHB	2.54	1.48	1.41
14	A	816	CLA	C1D-C2D	2.54	1.50	1.45
14	Z	836	CLA	MG-ND	-2.54	2.00	2.05
14	Y	812	CLA	C1D-C2D	2.54	1.50	1.45
14	A	812	CLA	C3D-C2D	2.54	1.46	1.39
14	B	830	CLA	C4B-CHC	2.53	1.48	1.41
14	H	807	CLA	MG-NC	2.53	2.12	2.06
14	h	206	CLA	MG-NC	2.53	2.12	2.06
14	A	832	CLA	C4D-CHA	2.53	1.47	1.38
14	U	1002	CLA	C1D-C2D	2.53	1.50	1.45
14	B	827	CLA	MG-NC	2.53	2.12	2.06
14	d	202	CLA	MG-ND	-2.53	2.00	2.05
14	J	101	CLA	C1D-ND	-2.53	1.34	1.37
14	d	202	CLA	C1C-C2C	2.53	1.49	1.44
14	A	821	CLA	C4B-CHC	2.53	1.48	1.41
14	H	815	CLA	C1C-NC	-2.53	1.34	1.37
14	G	842	CLA	C1D-C2D	2.53	1.50	1.45
14	Y	820	CLA	MG-ND	-2.53	2.00	2.05
14	Z	831	CLA	MG-ND	-2.53	2.00	2.05
14	Z	812	CLA	C1D-C2D	2.53	1.50	1.45
14	H	822	CLA	C1D-C2D	2.53	1.50	1.45
14	Z	823	CLA	C4D-CHA	2.53	1.47	1.38
14	G	805	CLA	C1D-ND	-2.53	1.34	1.37
14	Z	804	CLA	C4D-ND	2.53	1.41	1.37
14	B	807	CLA	C1B-CHB	2.53	1.48	1.41
14	B	830	CLA	MG-NC	2.53	2.12	2.06
14	G	831	CLA	C1C-NC	-2.53	1.34	1.37
14	B	820	CLA	C1D-ND	-2.53	1.34	1.37
14	Y	825	CLA	C1D-C2D	2.53	1.50	1.45
14	B	826	CLA	C3D-C2D	2.53	1.46	1.39
14	A	829	CLA	C4D-CHA	2.53	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	832	CLA	MG-ND	-2.53	2.00	2.05
14	A	811	CLA	C1B-CHB	2.53	1.48	1.41
14	B	836	CLA	MG-ND	-2.53	2.00	2.05
14	G	840	CLA	C1C-NC	-2.53	1.34	1.37
14	A	820	CLA	C4D-CHA	2.53	1.47	1.38
14	Z	820	CLA	MG-NC	2.53	2.12	2.06
14	H	808	CLA	C4B-CHC	2.53	1.48	1.41
14	U	1006	CLA	MG-NC	2.52	2.12	2.06
14	Z	803	CLA	MG-NC	2.52	2.12	2.06
14	Z	813	CLA	MG-NC	2.52	2.12	2.06
14	Z	837	CLA	C4D-CHA	2.52	1.47	1.38
14	A	837	CLA	C1D-C2D	2.52	1.50	1.45
17	S	1105	BCR	C21-C22	-2.52	1.32	1.35
14	B	825	CLA	OBD-CAD	2.52	1.26	1.22
14	A	834	CLA	C3D-C2D	2.52	1.46	1.39
14	Z	825	CLA	MG-ND	-2.52	2.00	2.05
14	B	821	CLA	C4B-CHC	2.52	1.48	1.41
14	S	1103	CLA	C1D-C2D	2.52	1.50	1.45
14	H	812	CLA	C1B-CHB	2.52	1.48	1.41
14	A	810	CLA	C1C-C2C	2.52	1.49	1.44
14	H	801	CLA	C4D-CHA	2.52	1.47	1.38
14	A	829	CLA	C1B-CHB	2.52	1.48	1.41
14	Y	820	CLA	C1B-CHB	2.52	1.48	1.41
14	H	838	CLA	C4B-CHC	2.52	1.48	1.41
14	B	817	CLA	C1D-ND	-2.52	1.34	1.37
14	Y	817	CLA	MG-ND	-2.52	2.00	2.05
14	g	102	CLA	C1D-C2D	2.52	1.50	1.45
14	G	813	CLA	C4D-CHA	2.52	1.47	1.38
14	Y	841	CLA	C1B-CHB	2.52	1.48	1.41
14	L	204	CLA	OBD-CAD	2.52	1.26	1.22
14	Y	809	CLA	C4C-C3C	2.52	1.49	1.45
14	Y	834	CLA	C4D-CHA	2.51	1.47	1.38
14	A	839	CLA	C4B-CHC	2.51	1.48	1.41
14	h	204	CLA	OBD-CAD	2.51	1.26	1.22
14	Z	841	CLA	C1B-CHB	2.51	1.48	1.41
14	B	830	CLA	C1B-CHB	2.51	1.48	1.41
14	Z	841	CLA	C3D-C2D	2.51	1.46	1.39
14	H	818	CLA	C4D-CHA	2.51	1.47	1.38
14	A	826	CLA	C4D-CHA	2.51	1.47	1.38
14	Z	840	CLA	C1B-CHB	2.51	1.48	1.41
14	H	818	CLA	C1C-NC	-2.51	1.34	1.37
14	B	831	CLA	C4B-CHC	2.51	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	823	CLA	C1B-CHB	2.51	1.48	1.41
14	B	834	CLA	C4C-C3C	2.51	1.49	1.45
14	A	812	CLA	MG-NC	2.51	2.12	2.06
14	H	812	CLA	C4B-CHC	2.51	1.48	1.41
14	Z	835	CLA	C4D-CHA	2.51	1.47	1.38
14	H	831	CLA	C4D-CHA	2.51	1.47	1.38
14	H	829	CLA	C1B-CHB	2.51	1.48	1.41
14	A	840	CLA	C4D-CHA	2.51	1.47	1.38
14	H	801	CLA	MG-NC	2.51	2.12	2.06
17	Y	844	BCR	C11-C12	-2.51	1.28	1.34
14	U	1007	CLA	MG-NC	2.51	2.12	2.06
14	G	806	CLA	C3D-C2D	2.51	1.46	1.39
14	Y	829	CLA	C1D-C2D	2.51	1.50	1.45
14	H	851	CLA	C4D-CHA	2.50	1.47	1.38
14	Y	813	CLA	MG-ND	-2.50	2.00	2.05
14	Y	805	CLA	C4B-CHC	2.50	1.48	1.41
14	Z	806	CLA	C4C-C3C	2.50	1.49	1.45
14	B	815	CLA	C1C-NC	-2.50	1.34	1.37
14	Z	811	CLA	MG-NC	2.50	2.12	2.06
14	J	102	CLA	C4B-CHC	2.50	1.47	1.41
14	G	853	CLA	C1D-ND	-2.50	1.34	1.37
14	A	807	CLA	C1C-NC	-2.50	1.34	1.37
14	A	814	CLA	C4B-CHC	2.50	1.47	1.41
14	H	851	CLA	C1B-CHB	2.50	1.47	1.41
14	Z	838	CLA	C4D-CHA	2.50	1.47	1.38
14	B	811	CLA	MG-NC	2.50	2.12	2.06
14	A	834	CLA	C1B-CHB	2.50	1.47	1.41
14	A	819	CLA	C1B-CHB	2.50	1.47	1.41
14	A	813	CLA	MG-ND	-2.50	2.00	2.05
14	Z	838	CLA	C1B-NB	-2.50	1.33	1.35
14	G	830	CLA	C1D-C2D	2.50	1.50	1.45
14	A	808	CLA	MG-ND	-2.50	2.00	2.05
14	A	814	CLA	C1B-CHB	2.50	1.47	1.41
14	B	835	CLA	C4D-CHA	2.50	1.47	1.38
14	Z	839	CLA	C4D-CHA	2.50	1.47	1.38
14	A	843	CLA	MG-ND	-2.50	2.00	2.05
14	A	823	CLA	C1D-C2D	2.50	1.50	1.45
14	K	102	CLA	MG-ND	-2.50	2.00	2.05
14	A	821	CLA	C4D-CHA	2.50	1.47	1.38
14	G	807	CLA	MG-ND	-2.50	2.00	2.05
14	A	836	CLA	C4B-CHC	2.50	1.47	1.41
14	d	201	CLA	MG-NC	2.49	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	837	CLA	C4C-C3C	2.49	1.49	1.45
14	Y	816	CLA	C1D-ND	-2.49	1.34	1.37
14	Z	838	CLA	C1D-C2D	2.49	1.50	1.45
14	Z	841	CLA	MG-ND	-2.49	2.00	2.05
14	G	837	CLA	MG-NC	2.49	2.12	2.06
14	G	802	CLA	C4B-CHC	2.49	1.47	1.41
14	T	103	CLA	MG-ND	-2.49	2.00	2.05
14	A	836	CLA	MG-NC	2.49	2.12	2.06
14	A	813	CLA	C4B-CHC	2.49	1.47	1.41
14	Z	814	CLA	C1B-CHB	2.49	1.47	1.41
14	B	821	CLA	C1C-NC	-2.49	1.34	1.37
14	H	807	CLA	MG-ND	-2.49	2.00	2.05
14	Z	826	CLA	C1B-CHB	2.49	1.47	1.41
14	G	839	CLA	C4D-ND	2.49	1.41	1.37
14	L	202	CLA	C4D-CHA	2.49	1.47	1.38
14	Y	808	CLA	C4D-CHA	2.49	1.47	1.38
14	G	834	CLA	C1C-C2C	2.49	1.49	1.44
14	A	839	CLA	C1B-CHB	2.49	1.47	1.41
14	Z	837	CLA	MG-ND	-2.49	2.00	2.05
14	G	852	CLA	MG-NC	2.49	2.12	2.06
14	Y	804	CLA	C1D-C2D	2.49	1.50	1.45
14	H	829	CLA	C4D-CHA	2.49	1.47	1.38
14	B	832	CLA	C4D-CHA	2.49	1.47	1.38
14	H	823	CLA	C4B-CHC	2.48	1.47	1.41
14	h	205	CLA	C1D-C2D	2.48	1.50	1.45
14	U	1003	CLA	C4D-CHA	2.48	1.47	1.38
14	B	810	CLA	C1D-ND	-2.48	1.34	1.37
14	H	809	CLA	MG-NC	2.48	2.12	2.06
14	A	830	CLA	C4D-ND	2.48	1.41	1.37
14	Y	827	CLA	MG-ND	-2.48	2.00	2.05
14	Z	833	CLA	C1B-CHB	2.48	1.47	1.41
14	Y	815	CLA	C1B-CHB	2.48	1.47	1.41
14	Y	813	CLA	C1D-C2D	2.48	1.50	1.45
14	H	803	CLA	C4B-CHC	2.48	1.47	1.41
14	Y	837	CLA	C4D-CHA	2.48	1.47	1.38
14	H	817	CLA	C3D-C2D	2.48	1.45	1.39
14	H	810	CLA	C4B-CHC	2.48	1.47	1.41
14	g	101	CLA	C1B-CHB	2.48	1.47	1.41
14	G	853	CLA	MG-ND	-2.48	2.00	2.05
14	Y	818	CLA	C4B-CHC	2.48	1.47	1.41
14	Z	801	CLA	C1B-CHB	2.48	1.47	1.41
14	A	811	CLA	C4D-CHA	2.48	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	C4B-CHC	2.48	1.47	1.41
14	L	202	CLA	C1B-CHB	2.48	1.47	1.41
14	A	814	CLA	C4D-CHA	2.48	1.47	1.38
14	A	819	CLA	C4D-CHA	2.48	1.47	1.38
14	H	812	CLA	MG-NC	2.48	2.12	2.06
14	Y	837	CLA	C1C-NC	-2.48	1.34	1.37
14	H	814	CLA	C4D-ND	2.48	1.41	1.37
14	H	839	CLA	MG-NC	2.48	2.12	2.06
14	Y	839	CLA	MG-ND	-2.48	2.00	2.05
14	Y	833	CLA	C4D-CHA	2.48	1.47	1.38
14	Y	826	CLA	C1B-CHB	2.48	1.47	1.41
14	H	819	CLA	MG-NC	2.48	2.12	2.06
14	H	830	CLA	C4D-CHA	2.48	1.47	1.38
14	B	832	CLA	C1B-CHB	2.48	1.47	1.41
14	H	809	CLA	C4B-NB	-2.48	1.33	1.35
14	G	820	CLA	C1B-CHB	2.47	1.47	1.41
14	B	825	CLA	C3D-C2D	2.47	1.45	1.39
14	Y	813	CLA	C1B-CHB	2.47	1.47	1.41
14	H	801	CLA	C1D-ND	-2.47	1.34	1.37
14	A	824	CLA	C1B-CHB	2.47	1.47	1.41
14	Y	823	CLA	C4D-CHA	2.47	1.47	1.38
14	G	842	CLA	MG-NC	2.47	2.12	2.06
14	B	830	CLA	C1D-C2D	2.47	1.50	1.45
14	H	824	CLA	C1B-CHB	2.47	1.47	1.41
14	B	826	CLA	C1D-C2D	2.47	1.50	1.45
14	h	204	CLA	C1B-CHB	2.47	1.47	1.41
14	Y	831	CLA	C4D-CHA	2.47	1.47	1.38
14	Z	837	CLA	C3D-C2D	2.47	1.45	1.39
14	Y	840	CLA	C1B-CHB	2.47	1.47	1.41
14	A	840	CLA	C1D-C2D	2.47	1.50	1.45
14	h	204	CLA	C4B-CHC	2.47	1.47	1.41
14	Z	836	CLA	C1C-NC	-2.47	1.34	1.37
14	Z	813	CLA	C1D-C2D	2.47	1.50	1.45
14	Y	807	CLA	C1B-CHB	2.47	1.47	1.41
14	Y	833	CLA	C1C-C2C	2.47	1.49	1.44
14	B	815	CLA	C1D-C2D	2.47	1.50	1.45
14	B	819	CLA	C1C-NC	-2.47	1.34	1.37
14	B	803	CLA	C4B-CHC	2.46	1.47	1.41
14	S	1103	CLA	C1C-NC	-2.46	1.34	1.37
14	B	829	CLA	C1C-NC	-2.46	1.34	1.37
14	Z	837	CLA	C1C-NC	-2.46	1.34	1.37
14	H	820	CLA	MG-NC	2.46	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	807	CLA	C4D-CHA	2.46	1.47	1.38
14	H	829	CLA	MG-NC	2.46	2.12	2.06
14	B	822	CLA	C1D-C2D	2.46	1.50	1.45
14	H	801	CLA	C1D-C2D	2.46	1.50	1.45
14	Y	824	CLA	C1C-NC	-2.46	1.34	1.37
14	H	832	CLA	C1C-NC	-2.46	1.34	1.37
14	B	814	CLA	C1D-C2D	2.46	1.50	1.45
14	Y	816	CLA	C1C-NC	-2.46	1.34	1.37
14	Y	828	CLA	MG-NC	2.46	2.12	2.06
14	H	813	CLA	C1D-C2D	2.46	1.50	1.45
14	d	201	CLA	C1D-ND	-2.46	1.34	1.37
14	Y	803	CLA	C1D-C2D	2.46	1.50	1.45
19	H	848	LMG	C22-C21	-2.46	1.34	1.51
14	A	809	CLA	C1C-C2C	2.46	1.49	1.44
14	Z	820	CLA	C1B-NB	-2.46	1.33	1.35
14	H	817	CLA	C1B-CHB	2.46	1.47	1.41
14	Y	818	CLA	C1B-CHB	2.46	1.47	1.41
14	Y	826	CLA	MG-NC	2.46	2.12	2.06
14	B	811	CLA	C4B-CHC	2.46	1.47	1.41
14	H	851	CLA	C4C-C3C	2.46	1.49	1.45
14	B	823	CLA	C4B-CHC	2.46	1.47	1.41
14	H	814	CLA	C4B-CHC	2.45	1.47	1.41
14	B	815	CLA	MG-ND	-2.45	2.00	2.05
14	B	803	CLA	MG-NC	2.45	2.12	2.06
14	G	816	CLA	MG-ND	-2.45	2.00	2.05
14	B	811	CLA	C1B-CHB	2.45	1.47	1.41
14	Y	830	CLA	C4B-CHC	2.45	1.47	1.41
14	Y	811	CLA	C1B-CHB	2.45	1.47	1.41
14	A	827	CLA	C1C-C2C	2.45	1.49	1.44
14	Z	809	CLA	MG-ND	-2.45	2.00	2.05
14	L	206	CLA	C4B-NB	-2.45	1.33	1.35
14	Y	805	CLA	C1B-CHB	2.45	1.47	1.41
14	B	836	CLA	C4B-CHC	2.45	1.47	1.41
14	h	205	CLA	C1B-CHB	2.45	1.47	1.41
14	H	833	CLA	C4D-CHA	2.45	1.47	1.38
14	h	201	CLA	C4D-CHA	2.45	1.47	1.38
14	B	817	CLA	C4B-CHC	2.45	1.47	1.41
14	A	825	CLA	C1C-NC	-2.45	1.34	1.37
14	Y	831	CLA	MG-NC	2.45	2.12	2.06
14	A	854	CLA	C1B-CHB	2.45	1.47	1.41
14	B	817	CLA	C1D-C2D	2.45	1.50	1.45
14	Z	818	CLA	C4B-CHC	2.44	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	837	CLA	MG-ND	-2.44	2.00	2.05
14	A	816	CLA	C1C-NC	-2.44	1.34	1.37
14	B	838	CLA	MG-ND	-2.44	2.00	2.05
14	L	204	CLA	MG-NC	2.44	2.12	2.06
14	Y	839	CLA	C1B-CHB	2.44	1.47	1.41
14	Y	835	CLA	C1D-C2D	2.44	1.50	1.45
14	F	202	CLA	C4B-CHC	2.44	1.47	1.41
14	A	835	CLA	C1B-CHB	2.44	1.47	1.41
14	A	833	CLA	MG-ND	-2.44	2.00	2.05
14	B	835	CLA	C1C-C2C	2.44	1.49	1.44
14	Y	829	CLA	C4B-CHC	2.44	1.47	1.41
14	B	829	CLA	C1D-ND	-2.44	1.34	1.37
14	G	836	CLA	C3D-C2D	2.44	1.45	1.39
14	H	827	CLA	C4D-CHA	2.44	1.47	1.38
14	Y	839	CLA	C4D-CHA	2.44	1.47	1.38
14	U	1002	CLA	MG-NC	2.44	2.12	2.06
14	B	824	CLA	C3D-C2D	2.44	1.45	1.39
14	Y	834	CLA	C1B-CHB	2.44	1.47	1.41
14	Y	830	CLA	C4D-CHA	2.44	1.47	1.38
14	B	806	CLA	C4B-NB	-2.44	1.33	1.35
14	Y	827	CLA	C1D-ND	-2.44	1.34	1.37
14	B	807	CLA	MG-ND	-2.44	2.01	2.05
14	B	808	CLA	C1D-C2D	2.44	1.50	1.45
14	H	810	CLA	C1C-C2C	2.44	1.49	1.44
14	G	828	CLA	C1D-C2D	2.44	1.50	1.45
14	Y	824	CLA	C1B-CHB	2.44	1.47	1.41
14	Z	841	CLA	C4B-CHC	2.43	1.47	1.41
14	B	829	CLA	C4D-CHA	2.43	1.47	1.38
14	A	809	CLA	C1D-C2D	2.43	1.50	1.45
14	G	852	CLA	C1B-NB	-2.43	1.33	1.35
14	Z	812	CLA	C1C-NC	-2.43	1.34	1.37
14	A	813	CLA	C1C-NC	-2.43	1.34	1.37
14	A	837	CLA	C3D-C2D	2.43	1.45	1.39
14	G	815	CLA	C1B-CHB	2.43	1.47	1.41
14	G	825	CLA	C4B-CHC	2.43	1.47	1.41
17	A	847	BCR	C11-C12	-2.43	1.28	1.34
14	B	813	CLA	C4B-CHC	2.43	1.47	1.41
14	H	833	CLA	C4B-CHC	2.43	1.47	1.41
14	j	102	CLA	C4C-C3C	2.43	1.49	1.45
14	H	821	CLA	C1C-NC	-2.43	1.34	1.37
14	h	205	CLA	C1C-NC	-2.43	1.34	1.37
14	B	839	CLA	C4D-CHA	2.43	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	814	CLA	C1C-NC	-2.43	1.34	1.37
14	B	824	CLA	C4D-CHA	2.43	1.47	1.38
14	K	101	CLA	C4B-CHC	2.43	1.47	1.41
14	T	103	CLA	C1D-ND	-2.43	1.34	1.37
14	Z	836	CLA	C1C-C2C	2.43	1.49	1.44
14	B	837	CLA	C1B-CHB	2.43	1.47	1.41
14	H	810	CLA	C4D-CHA	2.43	1.47	1.38
14	Y	814	CLA	C1B-CHB	2.43	1.47	1.41
14	g	102	CLA	C1D-ND	-2.43	1.34	1.37
14	Z	817	CLA	C1B-CHB	2.42	1.47	1.41
14	B	816	CLA	C4D-CHA	2.42	1.47	1.38
14	G	817	CLA	C4C-C3C	2.42	1.49	1.45
14	G	813	CLA	OBD-CAD	2.42	1.26	1.22
14	A	836	CLA	C4B-NB	-2.42	1.33	1.35
14	Z	820	CLA	C1D-C2D	2.42	1.50	1.45
14	B	821	CLA	C4D-CHA	2.42	1.47	1.38
14	Z	822	CLA	C1D-C2D	2.42	1.50	1.45
14	B	823	CLA	C1B-CHB	2.42	1.47	1.41
14	Z	837	CLA	C1B-CHB	2.42	1.47	1.41
14	A	829	CLA	C1C-NC	-2.42	1.34	1.37
14	Z	824	CLA	MG-ND	-2.42	2.01	2.05
14	Z	832	CLA	C4D-CHA	2.42	1.47	1.38
14	Y	825	CLA	C4B-CHC	2.42	1.47	1.41
14	B	815	CLA	C1B-CHB	2.42	1.47	1.41
14	K	101	CLA	C1C-C2C	2.42	1.49	1.44
14	B	818	CLA	C4B-CHC	2.42	1.47	1.41
14	Z	826	CLA	C1C-NC	-2.42	1.34	1.37
14	G	811	CLA	C1B-CHB	2.42	1.47	1.41
14	Z	809	CLA	MG-NC	2.42	2.12	2.06
14	Z	827	CLA	C4D-CHA	2.41	1.47	1.38
14	U	1003	CLA	C4B-CHC	2.41	1.47	1.41
14	B	808	CLA	C1B-NB	-2.41	1.33	1.35
14	B	812	CLA	C4D-CHA	2.41	1.47	1.38
14	Z	805	CLA	C1B-CHB	2.41	1.47	1.41
14	H	817	CLA	MG-ND	-2.41	2.01	2.05
14	Y	809	CLA	MG-ND	-2.41	2.01	2.05
14	Y	836	CLA	C1C-NC	-2.41	1.34	1.37
14	G	811	CLA	C1D-C2D	2.41	1.50	1.45
14	Z	811	CLA	OBD-CAD	2.41	1.26	1.22
14	G	809	CLA	C1B-CHB	2.41	1.47	1.41
14	Y	804	CLA	C1C-C2C	2.41	1.49	1.44
14	G	822	CLA	C4B-CHC	2.41	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	MG-NC	2.41	2.12	2.06
14	G	834	CLA	MG-NC	2.41	2.12	2.06
19	Z	849	LMG	C22-C21	-2.41	1.34	1.51
17	G	845	BCR	C21-C22	-2.41	1.32	1.35
14	Z	823	CLA	C1D-C2D	2.41	1.50	1.45
14	d	201	CLA	C4D-CHA	2.41	1.47	1.38
14	A	843	CLA	C4B-CHC	2.41	1.47	1.41
14	Y	840	CLA	MG-NC	2.41	2.12	2.06
14	B	826	CLA	C1C-NC	-2.41	1.34	1.37
14	H	814	CLA	MG-ND	-2.41	2.01	2.05
14	Y	827	CLA	C4C-C3C	2.41	1.49	1.45
14	S	1103	CLA	C4B-CHC	2.41	1.47	1.41
14	A	836	CLA	C1B-NB	-2.40	1.33	1.35
14	Z	829	CLA	C1C-NC	-2.40	1.34	1.37
14	B	802	CLA	C4B-CHC	2.40	1.47	1.41
14	H	836	CLA	C4B-CHC	2.40	1.47	1.41
14	Z	810	CLA	C4D-CHA	2.40	1.46	1.38
14	A	834	CLA	C4D-CHA	2.40	1.46	1.38
14	H	823	CLA	C4D-CHA	2.40	1.46	1.38
14	Y	834	CLA	C1C-C2C	2.40	1.49	1.44
14	Y	839	CLA	C4B-CHC	2.40	1.47	1.41
14	S	1101	CLA	C3D-C2D	2.40	1.45	1.39
14	A	833	CLA	C4D-CHA	2.40	1.46	1.38
14	Y	826	CLA	C1C-NC	-2.40	1.34	1.37
14	B	839	CLA	C1B-CHB	2.40	1.47	1.41
14	G	806	CLA	MG-ND	-2.40	2.01	2.05
14	G	839	CLA	MG-NC	2.40	2.12	2.06
14	Y	819	CLA	C1B-CHB	2.40	1.47	1.41
14	Z	820	CLA	C4D-CHA	2.40	1.46	1.38
14	G	853	CLA	C4C-C3C	2.40	1.49	1.45
14	A	816	CLA	C1B-CHB	2.39	1.47	1.41
14	B	804	CLA	C4D-CHA	2.39	1.46	1.38
14	Z	829	CLA	C1B-NB	-2.39	1.33	1.35
14	G	815	CLA	C1D-ND	-2.39	1.34	1.37
14	G	810	CLA	C1C-NC	-2.39	1.34	1.37
14	A	838	CLA	C4C-C3C	2.39	1.49	1.45
14	Y	804	CLA	MG-ND	-2.39	2.01	2.05
14	G	806	CLA	C1B-CHB	2.39	1.47	1.41
14	K	102	CLA	C1C-NC	-2.39	1.34	1.37
14	H	821	CLA	C4B-CHC	2.39	1.47	1.41
14	Y	821	CLA	C1C-C2C	2.39	1.49	1.44
14	A	839	CLA	MG-NC	2.39	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	201	CLA	MG-ND	-2.39	2.01	2.05
14	H	819	CLA	C1D-C2D	2.39	1.50	1.45
14	Y	806	CLA	C1B-CHB	2.39	1.47	1.41
14	H	839	CLA	C1B-CHB	2.39	1.47	1.41
14	B	804	CLA	C4B-CHC	2.38	1.47	1.41
14	G	836	CLA	C1B-CHB	2.38	1.47	1.41
14	B	816	CLA	C1B-CHB	2.38	1.47	1.41
14	Y	812	CLA	MG-ND	-2.38	2.01	2.05
14	L	204	CLA	C1D-C2D	2.38	1.50	1.45
14	G	834	CLA	C1B-CHB	2.38	1.47	1.41
14	G	835	CLA	C1B-CHB	2.38	1.47	1.41
14	Z	813	CLA	C4B-CHC	2.38	1.47	1.41
14	G	814	CLA	C1D-C2D	2.38	1.50	1.45
14	Y	827	CLA	C1C-C2C	2.38	1.49	1.44
14	G	808	CLA	MG-ND	-2.38	2.01	2.05
14	A	811	CLA	MG-NC	2.38	2.11	2.06
14	Y	802	CLA	MG-ND	-2.38	2.01	2.05
14	B	831	CLA	C4D-CHA	2.38	1.46	1.38
14	f	102	CLA	C1C-NC	-2.38	1.34	1.37
14	B	818	CLA	C4C-C3C	2.38	1.49	1.45
14	B	829	CLA	MG-ND	-2.38	2.01	2.05
14	Z	802	CLA	MG-ND	-2.38	2.01	2.05
14	U	1004	CLA	MG-NC	2.38	2.11	2.06
14	h	206	CLA	C4B-CHC	2.38	1.47	1.41
14	Z	841	CLA	C4D-CHA	2.38	1.46	1.38
14	G	822	CLA	MG-NC	2.38	2.11	2.06
14	Z	821	CLA	C1D-C2D	2.38	1.50	1.45
14	G	837	CLA	C1D-ND	-2.38	1.34	1.37
14	H	838	CLA	C4C-C3C	2.38	1.49	1.45
14	Z	805	CLA	MG-NC	2.38	2.11	2.06
14	H	805	CLA	C4B-CHC	2.38	1.47	1.41
14	B	815	CLA	C4C-C3C	2.38	1.49	1.45
14	H	808	CLA	C1B-CHB	2.38	1.47	1.41
14	A	804	CLA	C1B-CHB	2.38	1.47	1.41
14	B	801	CLA	C4B-CHC	2.38	1.47	1.41
14	U	1003	CLA	MG-NC	2.37	2.11	2.06
14	Z	825	CLA	C1B-CHB	2.37	1.47	1.41
14	K	101	CLA	C1D-ND	-2.37	1.34	1.37
14	H	829	CLA	MG-ND	-2.37	2.01	2.05
14	H	828	CLA	C1C-NC	-2.37	1.34	1.37
14	Z	819	CLA	C1C-NC	-2.37	1.34	1.37
14	B	801	CLA	MG-NC	2.37	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	809	CLA	C4B-NB	-2.37	1.33	1.35
14	Y	806	CLA	MG-ND	-2.37	2.01	2.05
17	H	847	BCR	C11-C12	-2.37	1.28	1.34
14	G	813	CLA	C1D-C2D	2.37	1.50	1.45
14	B	831	CLA	C1D-C2D	2.37	1.50	1.45
14	Z	831	CLA	C4B-CHC	2.37	1.47	1.41
14	B	820	CLA	C1C-NC	-2.37	1.34	1.37
14	Y	810	CLA	C1C-C2C	2.37	1.49	1.44
14	H	823	CLA	MG-NC	2.37	2.11	2.06
14	G	807	CLA	C4D-CHA	2.37	1.46	1.38
14	Z	816	CLA	C1D-C2D	2.37	1.50	1.45
14	A	821	CLA	MG-NC	2.37	2.11	2.06
14	Y	818	CLA	MG-ND	-2.37	2.01	2.05
14	A	839	CLA	C4D-CHA	2.37	1.46	1.38
14	G	852	CLA	C4C-C3C	2.37	1.49	1.45
14	G	805	CLA	C1D-C2D	2.37	1.50	1.45
14	A	804	CLA	C1C-NC	-2.37	1.34	1.37
14	Y	832	CLA	C1C-NC	-2.37	1.34	1.37
14	G	806	CLA	MG-NC	2.37	2.11	2.06
14	K	102	CLA	C4B-CHC	2.37	1.47	1.41
17	H	844	BCR	C17-C18	-2.37	1.32	1.35
14	G	820	CLA	MG-NC	2.37	2.11	2.06
14	f	102	CLA	C1D-ND	-2.37	1.34	1.37
14	B	817	CLA	C4D-CHA	2.37	1.46	1.38
14	A	835	CLA	C1D-C2D	2.36	1.50	1.45
14	G	822	CLA	C4D-ND	2.36	1.40	1.37
14	A	806	CLA	C4D-CHA	2.36	1.46	1.38
14	A	816	CLA	C1C-C2C	2.36	1.49	1.44
14	B	839	CLA	C1D-C2D	2.36	1.50	1.45
14	A	836	CLA	MG-ND	-2.36	2.01	2.05
14	H	822	CLA	C1C-NC	-2.36	1.34	1.37
14	B	829	CLA	C3D-C2D	2.36	1.45	1.39
14	A	803	CLA	C4D-CHA	2.36	1.46	1.38
14	A	806	CLA	MG-NC	2.36	2.11	2.06
14	Y	826	CLA	C4B-CHC	2.36	1.47	1.41
14	Z	826	CLA	MG-NC	2.36	2.11	2.06
14	G	834	CLA	C1D-C2D	2.36	1.50	1.45
14	Z	828	CLA	C1B-NB	-2.36	1.33	1.35
14	Z	824	CLA	C1B-CHB	2.36	1.47	1.41
14	A	826	CLA	C1B-CHB	2.36	1.47	1.41
14	H	813	CLA	MG-ND	-2.36	2.01	2.05
14	H	819	CLA	MG-ND	-2.36	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	MG-ND	-2.36	2.01	2.05
14	G	842	CLA	C4D-CHA	2.36	1.46	1.38
14	B	809	CLA	C1B-CHB	2.36	1.47	1.41
14	G	832	CLA	C1B-CHB	2.36	1.47	1.41
14	Y	822	CLA	C4C-C3C	2.36	1.49	1.45
14	B	832	CLA	C1C-C2C	2.36	1.49	1.44
14	A	818	CLA	C1D-C2D	2.36	1.50	1.45
14	G	823	CLA	C4B-CHC	2.36	1.47	1.41
14	B	827	CLA	C1D-ND	-2.36	1.34	1.37
14	G	812	CLA	C1D-ND	-2.36	1.34	1.37
14	f	101	CLA	C1C-C2C	2.36	1.49	1.44
14	B	827	CLA	C1D-C2D	2.36	1.50	1.45
14	U	1004	CLA	C1B-NB	-2.36	1.33	1.35
14	Z	839	CLA	C4B-NB	-2.36	1.33	1.35
14	Y	805	CLA	MG-NC	2.35	2.11	2.06
14	A	821	CLA	C4C-C3C	2.35	1.49	1.45
14	Z	805	CLA	C4B-CHC	2.35	1.47	1.41
14	Z	832	CLA	C1B-CHB	2.35	1.47	1.41
14	A	810	CLA	C4D-CHA	2.35	1.46	1.38
14	G	831	CLA	C3D-C2D	2.35	1.45	1.39
14	Y	822	CLA	C4B-CHC	2.35	1.47	1.41
14	G	819	CLA	C1D-ND	-2.35	1.34	1.37
14	H	833	CLA	C4C-C3C	2.35	1.49	1.45
14	Z	826	CLA	C4B-CHC	2.35	1.47	1.41
14	T	101	CLA	C1B-CHB	2.35	1.47	1.41
14	G	839	CLA	C4D-CHA	2.35	1.46	1.38
14	B	838	CLA	C1C-C2C	2.35	1.49	1.44
14	Y	803	CLA	C1C-NC	-2.35	1.34	1.37
14	G	836	CLA	C1D-C2D	2.35	1.50	1.45
14	G	836	CLA	MG-ND	-2.35	2.01	2.05
14	B	803	CLA	C1D-C2D	2.35	1.50	1.45
14	Y	838	CLA	C4B-CHC	2.35	1.47	1.41
14	Y	841	CLA	C4B-CHC	2.35	1.47	1.41
14	A	823	CLA	MG-NC	2.35	2.11	2.06
14	U	1006	CLA	C1D-C2D	2.35	1.50	1.45
14	S	1102	CLA	C1C-NC	-2.35	1.34	1.37
14	G	826	CLA	C4D-CHA	2.35	1.46	1.38
14	Y	806	CLA	C1D-ND	-2.35	1.34	1.37
14	G	807	CLA	C1B-CHB	2.35	1.47	1.41
14	G	853	CLA	C4D-CHA	2.35	1.46	1.38
14	Y	822	CLA	MG-NC	2.35	2.11	2.06
14	A	823	CLA	C1B-CHB	2.35	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	812	CLA	C1C-C2C	2.34	1.49	1.44
14	G	824	CLA	C4D-ND	2.34	1.40	1.37
14	Y	807	CLA	C1C-NC	-2.34	1.34	1.37
14	G	817	CLA	C1C-C2C	2.34	1.49	1.44
14	A	815	CLA	C1B-CHB	2.34	1.47	1.41
14	Y	828	CLA	C1D-C2D	2.34	1.49	1.45
14	Y	802	CLA	C4B-CHC	2.34	1.47	1.41
14	Z	822	CLA	C1C-NC	-2.34	1.34	1.37
14	G	830	CLA	C1D-ND	-2.34	1.34	1.37
14	G	841	CLA	C4B-CHC	2.34	1.47	1.41
14	G	825	CLA	C1C-NC	-2.34	1.34	1.37
14	Z	833	CLA	C1D-C2D	2.34	1.49	1.45
14	B	838	CLA	C1B-CHB	2.34	1.47	1.41
14	L	205	CLA	C1B-CHB	2.34	1.47	1.41
14	B	817	CLA	MG-ND	-2.34	2.01	2.05
14	K	101	CLA	C1C-NC	-2.34	1.34	1.37
14	G	832	CLA	C4B-CHC	2.34	1.47	1.41
14	B	818	CLA	C1D-C2D	2.34	1.49	1.45
14	H	806	CLA	C4C-C3C	2.33	1.49	1.45
14	G	810	CLA	C4C-C3C	2.33	1.49	1.45
14	Z	834	CLA	MG-NC	2.33	2.11	2.06
14	H	811	CLA	C1C-C2C	2.33	1.49	1.44
14	G	820	CLA	C1C-NC	-2.33	1.34	1.37
14	Z	831	CLA	C1B-CHB	2.33	1.47	1.41
14	H	828	CLA	C1D-C2D	2.33	1.49	1.45
14	K	101	CLA	C1D-C2D	2.33	1.49	1.45
14	Z	820	CLA	C1C-NC	-2.33	1.34	1.37
13	Y	801	CL0	C4B-CHC	2.33	1.47	1.41
14	G	810	CLA	MG-ND	-2.33	2.01	2.05
14	B	822	CLA	C1C-NC	-2.33	1.34	1.37
14	Y	828	CLA	C4D-CHA	2.33	1.46	1.38
14	Z	818	CLA	C1D-C2D	2.33	1.49	1.45
14	B	804	CLA	OBD-CAD	2.33	1.26	1.22
14	H	817	CLA	MG-NC	2.33	2.11	2.06
14	G	821	CLA	C1C-C2C	2.32	1.49	1.44
14	h	204	CLA	C1C-NC	-2.32	1.34	1.37
14	T	101	CLA	MG-ND	-2.32	2.01	2.05
14	G	814	CLA	MG-ND	-2.32	2.01	2.05
14	B	830	CLA	C4D-CHA	2.32	1.46	1.38
14	A	834	CLA	C1C-NC	-2.32	1.34	1.37
14	B	838	CLA	C1D-C2D	2.32	1.49	1.45
14	G	842	CLA	C4B-CHC	2.32	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	842	CLA	MG-ND	-2.32	2.01	2.05
14	Y	832	CLA	C4D-CHA	2.32	1.46	1.38
14	L	204	CLA	C4D-CHA	2.32	1.46	1.38
14	H	801	CLA	MG-ND	-2.32	2.01	2.05
14	A	840	CLA	C1C-NC	-2.32	1.34	1.37
14	B	807	CLA	C3D-C2D	2.32	1.45	1.39
14	G	802	CLA	C1B-CHB	2.32	1.47	1.41
14	Y	821	CLA	C4C-C3C	2.32	1.49	1.45
14	G	812	CLA	C1D-C2D	2.32	1.49	1.45
14	A	820	CLA	C1C-C2C	2.32	1.49	1.44
14	H	835	CLA	C1C-C2C	2.32	1.49	1.44
14	B	833	CLA	MG-ND	-2.32	2.01	2.05
14	H	807	CLA	C4D-CHA	2.32	1.46	1.38
14	G	804	CLA	C1D-C2D	2.32	1.49	1.45
14	H	829	CLA	C1D-C2D	2.32	1.49	1.45
14	Y	811	CLA	MG-ND	-2.32	2.01	2.05
14	f	102	CLA	C1D-C2D	2.32	1.49	1.45
14	h	205	CLA	MG-ND	-2.32	2.01	2.05
14	A	830	CLA	C4B-CHC	2.32	1.47	1.41
14	L	206	CLA	C1D-C2D	2.31	1.49	1.45
14	A	812	CLA	C1C-NC	-2.31	1.34	1.37
14	A	827	CLA	C4B-CHC	2.31	1.47	1.41
14	A	825	CLA	C1B-CHB	2.31	1.47	1.41
14	B	807	CLA	MG-NC	2.31	2.11	2.06
14	L	205	CLA	C4D-CHA	2.31	1.46	1.38
14	A	809	CLA	C1B-CHB	2.31	1.47	1.41
14	G	814	CLA	C1A-CHA	2.31	1.52	1.43
14	H	829	CLA	C4B-NB	-2.31	1.33	1.35
14	Z	807	CLA	C4D-CHA	2.31	1.46	1.38
14	H	839	CLA	C1C-NC	-2.31	1.34	1.37
14	Z	827	CLA	MG-NC	2.31	2.11	2.06
14	Z	827	CLA	C4B-CHC	2.31	1.47	1.41
14	B	821	CLA	C1B-CHB	2.31	1.47	1.41
14	Y	836	CLA	C1B-CHB	2.31	1.47	1.41
14	h	205	CLA	C4C-C3C	2.31	1.49	1.45
14	B	801	CLA	C1B-CHB	2.31	1.47	1.41
14	G	808	CLA	C1B-CHB	2.31	1.47	1.41
14	Z	803	CLA	C1B-CHB	2.31	1.47	1.41
14	Z	808	CLA	C1B-CHB	2.31	1.47	1.41
14	A	806	CLA	C1C-NC	-2.31	1.34	1.37
17	J	104	BCR	C17-C18	-2.31	1.32	1.35
14	Z	806	CLA	C1D-C2D	2.31	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	852	CLA	C4B-CHC	2.31	1.47	1.41
14	Y	809	CLA	C1B-CHB	2.31	1.47	1.41
14	Y	814	CLA	MG-ND	-2.30	2.01	2.05
13	Y	801	CL0	C1D-C2D	2.30	1.49	1.45
14	A	841	CLA	C3D-C2D	2.30	1.45	1.39
14	Z	820	CLA	C4B-CHC	2.30	1.47	1.41
14	B	834	CLA	C1C-NC	-2.30	1.34	1.37
14	A	805	CLA	MG-NC	2.30	2.11	2.06
14	Z	823	CLA	C4B-CHC	2.30	1.47	1.41
14	G	821	CLA	C4D-CHA	2.30	1.46	1.38
14	B	805	CLA	C4B-CHC	2.30	1.47	1.41
14	B	820	CLA	C4D-ND	2.30	1.40	1.37
14	A	831	CLA	MG-NC	2.30	2.11	2.06
14	H	807	CLA	C3D-C2D	2.30	1.45	1.39
14	B	818	CLA	C1C-NC	-2.30	1.34	1.37
14	Y	832	CLA	C1D-C2D	2.30	1.49	1.45
14	B	814	CLA	MG-ND	-2.30	2.01	2.05
14	Z	813	CLA	C4C-C3C	2.30	1.49	1.45
14	A	806	CLA	C4B-CHC	2.30	1.47	1.41
14	Z	828	CLA	C1D-C2D	2.30	1.49	1.45
14	Y	840	CLA	C4D-CHA	2.30	1.46	1.38
14	G	842	CLA	C1C-NC	-2.30	1.34	1.37
14	G	829	CLA	C1D-C2D	2.30	1.49	1.45
14	A	838	CLA	C1D-ND	-2.29	1.35	1.37
14	G	822	CLA	C4C-C3C	2.29	1.49	1.45
14	H	824	CLA	C1C-C2C	2.29	1.49	1.44
14	Y	841	CLA	C4D-CHA	2.29	1.46	1.38
14	Z	818	CLA	MG-ND	-2.29	2.01	2.05
14	Y	831	CLA	C1B-CHB	2.29	1.47	1.41
14	A	815	CLA	C1C-C2C	2.29	1.49	1.44
14	H	812	CLA	C4C-C3C	2.29	1.49	1.45
14	B	824	CLA	C1C-NC	-2.29	1.34	1.37
14	B	830	CLA	C4C-C3C	2.29	1.49	1.45
14	H	815	CLA	C1D-ND	-2.29	1.35	1.37
14	Z	839	CLA	MG-NC	2.29	2.11	2.06
14	A	854	CLA	C4D-CHA	2.29	1.46	1.38
14	A	832	CLA	C1B-CHB	2.29	1.47	1.41
14	g	102	CLA	MG-ND	-2.29	2.01	2.05
17	Z	843	BCR	C21-C22	-2.29	1.32	1.35
14	A	811	CLA	C4C-C3C	2.29	1.49	1.45
14	G	839	CLA	C4C-C3C	2.29	1.49	1.45
14	B	813	CLA	MG-ND	-2.29	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	804	CLA	MG-ND	-2.29	2.01	2.05
14	B	802	CLA	C4B-NB	-2.29	1.33	1.35
14	B	811	CLA	MG-ND	-2.29	2.01	2.05
14	Z	837	CLA	C1B-NB	-2.28	1.33	1.35
14	G	842	CLA	C1C-C2C	2.28	1.49	1.44
14	Z	814	CLA	C4D-CHA	2.28	1.46	1.38
14	A	817	CLA	C1C-NC	-2.28	1.34	1.37
14	A	813	CLA	C4C-C3C	2.28	1.49	1.45
17	L	207	BCR	C21-C22	-2.28	1.32	1.35
14	B	813	CLA	MG-NC	2.28	2.11	2.06
14	Z	813	CLA	MG-ND	-2.28	2.01	2.05
14	X	1701	CLA	C1C-C2C	2.28	1.49	1.44
14	j	102	CLA	C1D-ND	-2.28	1.35	1.37
14	U	1004	CLA	C1B-CHB	2.28	1.47	1.41
14	Z	822	CLA	C1D-ND	-2.28	1.35	1.37
14	B	827	CLA	C4C-C3C	2.28	1.49	1.45
14	Y	815	CLA	C1C-C2C	2.28	1.49	1.44
14	S	1103	CLA	C4C-C3C	2.27	1.49	1.45
14	H	811	CLA	C1B-NB	-2.27	1.33	1.35
14	B	801	CLA	C1D-C2D	2.27	1.49	1.45
14	A	828	CLA	C1C-NC	-2.27	1.34	1.37
14	G	842	CLA	C1B-CHB	2.27	1.47	1.41
14	Y	805	CLA	C4D-CHA	2.27	1.46	1.38
14	H	833	CLA	MG-NC	2.27	2.11	2.06
14	G	827	CLA	C1C-NC	-2.27	1.34	1.37
14	Z	821	CLA	MG-ND	-2.27	2.01	2.05
14	S	1101	CLA	MG-NC	2.27	2.11	2.06
14	J	101	CLA	C1D-C2D	2.27	1.49	1.45
14	Z	815	CLA	C1B-NB	-2.27	1.33	1.35
14	G	810	CLA	C1B-CHB	2.27	1.47	1.41
14	H	804	CLA	C4D-CHA	2.27	1.46	1.38
14	B	814	CLA	C1C-C2C	2.27	1.49	1.44
14	G	829	CLA	C4D-ND	2.27	1.40	1.37
14	Y	827	CLA	C1B-CHB	2.27	1.47	1.41
14	G	832	CLA	MG-NC	2.27	2.11	2.06
14	G	814	CLA	C1B-CHB	2.27	1.47	1.41
14	H	826	CLA	C4B-CHC	2.27	1.47	1.41
14	Z	823	CLA	C1C-NC	-2.27	1.34	1.37
14	B	815	CLA	C4B-CHC	2.27	1.47	1.41
14	A	811	CLA	C4B-CHC	2.26	1.47	1.41
14	f	101	CLA	C1A-CHA	2.26	1.52	1.43
14	Z	817	CLA	C1C-C2C	2.26	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	825	CLA	C4D-CHA	2.26	1.46	1.38
14	A	814	CLA	C4C-C3C	2.26	1.48	1.45
14	Z	835	CLA	C4C-C3C	2.26	1.48	1.45
14	A	830	CLA	MG-NC	2.26	2.11	2.06
14	Y	819	CLA	C4C-C3C	2.26	1.48	1.45
17	h	202	BCR	C15-C14	2.26	1.50	1.43
14	B	833	CLA	C1B-CHB	2.26	1.47	1.41
14	Z	832	CLA	C4B-CHC	2.26	1.47	1.41
14	H	831	CLA	C1C-C2C	2.26	1.48	1.44
14	W	1701	CLA	C1C-C2C	2.26	1.48	1.44
14	Z	804	CLA	C1D-C2D	2.26	1.49	1.45
14	A	809	CLA	MG-ND	-2.26	2.01	2.05
14	G	818	CLA	C4B-CHC	2.26	1.47	1.41
14	Y	824	CLA	MG-ND	-2.26	2.01	2.05
14	H	840	CLA	C4D-CHA	2.26	1.46	1.38
14	B	806	CLA	C4C-C3C	2.26	1.48	1.45
14	A	808	CLA	MG-NC	2.26	2.11	2.06
14	Y	819	CLA	C1A-CHA	2.26	1.52	1.43
14	B	834	CLA	C1B-CHB	2.26	1.47	1.41
14	G	823	CLA	MG-ND	-2.25	2.01	2.05
14	Z	820	CLA	C1B-CHB	2.25	1.47	1.41
14	H	808	CLA	C4C-C3C	2.25	1.48	1.45
14	Y	812	CLA	C4C-C3C	2.25	1.48	1.45
14	Z	815	CLA	C1B-CHB	2.25	1.47	1.41
14	H	815	CLA	MG-ND	-2.25	2.01	2.05
14	Z	829	CLA	C1A-CHA	2.25	1.52	1.43
14	Z	829	CLA	C4B-CHC	2.25	1.47	1.41
14	L	205	CLA	C1C-NC	-2.25	1.34	1.37
14	Z	826	CLA	C1A-CHA	2.25	1.52	1.43
14	G	834	CLA	MG-ND	-2.25	2.01	2.05
17	J	104	BCR	C21-C22	-2.25	1.32	1.35
14	Z	831	CLA	C1D-C2D	2.25	1.49	1.45
14	Z	829	CLA	MG-ND	-2.25	2.01	2.05
14	Y	814	CLA	C1C-C2C	2.25	1.48	1.44
14	H	834	CLA	MG-NC	2.25	2.11	2.06
14	A	839	CLA	C3D-C2D	2.25	1.45	1.39
14	Y	807	CLA	C1C-C2C	2.25	1.48	1.44
14	Y	808	CLA	C1B-CHB	2.24	1.47	1.41
14	A	826	CLA	C4B-NB	-2.24	1.33	1.35
14	G	826	CLA	MG-NC	2.24	2.11	2.06
14	A	834	CLA	C1C-C2C	2.24	1.48	1.44
14	G	813	CLA	MG-ND	-2.24	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	803	CLA	C1D-C2D	2.24	1.49	1.45
14	B	810	CLA	C1C-NC	-2.24	1.34	1.37
14	B	821	CLA	C1D-C2D	2.24	1.49	1.45
14	Z	816	CLA	MG-NC	2.24	2.11	2.06
14	H	802	CLA	MG-ND	-2.24	2.01	2.05
14	A	842	CLA	C4D-CHA	2.24	1.46	1.38
14	A	806	CLA	C1B-CHB	2.24	1.47	1.41
14	A	841	CLA	C1B-CHB	2.24	1.47	1.41
14	T	101	CLA	C1C-C2C	2.24	1.48	1.44
14	Y	822	CLA	C1D-ND	-2.24	1.35	1.37
14	Y	822	CLA	C1B-CHB	2.24	1.47	1.41
14	A	820	CLA	MG-ND	-2.24	2.01	2.05
14	A	835	CLA	C1C-C2C	2.24	1.48	1.44
14	A	823	CLA	C1B-NB	-2.24	1.33	1.35
14	B	817	CLA	C4C-C3C	2.24	1.48	1.45
14	G	819	CLA	C4C-C3C	2.24	1.48	1.45
14	G	826	CLA	C4C-C3C	2.24	1.48	1.45
14	S	1101	CLA	C4B-CHC	2.24	1.47	1.41
14	A	812	CLA	MG-ND	-2.24	2.01	2.05
14	Z	804	CLA	C1B-CHB	2.24	1.47	1.41
14	Y	836	CLA	C1B-NB	-2.24	1.33	1.35
14	Z	819	CLA	MG-ND	-2.24	2.01	2.05
14	Y	824	CLA	C1B-NB	-2.24	1.33	1.35
14	B	811	CLA	C1C-NC	-2.24	1.34	1.37
14	Z	816	CLA	C1B-CHB	2.24	1.47	1.41
14	G	826	CLA	C4B-CHC	2.24	1.47	1.41
14	G	831	CLA	C1D-ND	-2.24	1.35	1.37
14	G	835	CLA	C1C-NC	-2.23	1.34	1.37
14	Z	827	CLA	C4C-C3C	2.23	1.48	1.45
14	S	1102	CLA	MG-ND	-2.23	2.01	2.05
14	G	802	CLA	C4C-C3C	2.23	1.48	1.45
14	B	833	CLA	C1C-NC	-2.23	1.34	1.37
14	Z	835	CLA	C1B-CHB	2.23	1.47	1.41
14	Z	830	CLA	C4D-CHA	2.23	1.46	1.38
14	d	201	CLA	C1B-CHB	2.23	1.47	1.41
14	H	825	CLA	C1A-CHA	2.23	1.52	1.43
14	G	829	CLA	C1B-CHB	2.23	1.47	1.41
14	F	202	CLA	C1A-CHA	2.23	1.52	1.43
13	Y	801	CL0	C4C-C3C	2.23	1.48	1.45
14	U	1007	CLA	C1B-CHB	2.23	1.47	1.41
14	Y	840	CLA	C1C-NC	-2.23	1.34	1.37
14	A	821	CLA	C1D-C2D	2.23	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	841	CLA	C4C-C3C	2.23	1.48	1.45
14	A	842	CLA	C1D-C2D	2.23	1.49	1.45
14	B	817	CLA	OBD-CAD	2.23	1.26	1.22
14	A	838	CLA	C4B-CHC	2.23	1.47	1.41
14	B	805	CLA	C1D-C2D	2.23	1.49	1.45
14	A	807	CLA	C4C-C3C	2.23	1.48	1.45
14	G	830	CLA	MG-NC	2.23	2.11	2.06
14	B	820	CLA	MG-ND	-2.23	2.01	2.05
14	Y	810	CLA	C1C-NC	-2.22	1.34	1.37
14	Z	831	CLA	C1C-NC	-2.22	1.34	1.37
14	A	834	CLA	MG-ND	-2.22	2.01	2.05
14	H	819	CLA	C1B-CHB	2.22	1.47	1.41
14	B	819	CLA	C4C-C3C	2.22	1.48	1.45
14	B	827	CLA	C1B-CHB	2.22	1.47	1.41
14	L	204	CLA	C1B-CHB	2.22	1.47	1.41
14	H	828	CLA	MG-NC	2.22	2.11	2.06
14	Y	833	CLA	C4D-ND	2.22	1.40	1.37
14	G	831	CLA	C1B-CHB	2.22	1.47	1.41
14	G	810	CLA	C4D-ND	2.22	1.40	1.37
14	B	824	CLA	C1D-C2D	2.22	1.49	1.45
14	G	833	CLA	C1B-CHB	2.22	1.47	1.41
14	G	809	CLA	C1C-NC	-2.22	1.34	1.37
14	Y	821	CLA	C1C-NC	-2.22	1.34	1.37
14	G	815	CLA	C1C-NC	-2.22	1.34	1.37
14	Y	808	CLA	C1C-C2C	2.22	1.48	1.44
14	A	824	CLA	MG-ND	-2.22	2.01	2.05
14	d	201	CLA	C1D-C2D	2.22	1.49	1.45
14	H	840	CLA	MG-NC	2.22	2.11	2.06
14	Y	828	CLA	C4B-NB	-2.22	1.33	1.35
14	Y	833	CLA	C1D-C2D	2.22	1.49	1.45
14	A	815	CLA	C4C-C3C	2.22	1.48	1.45
14	H	814	CLA	C1B-CHB	2.22	1.47	1.41
14	Y	804	CLA	C1B-CHB	2.22	1.47	1.41
14	H	808	CLA	C1B-NB	-2.22	1.33	1.35
14	h	206	CLA	C1B-NB	-2.22	1.33	1.35
14	A	821	CLA	C1C-NC	-2.21	1.34	1.37
14	A	808	CLA	C4B-CHC	2.21	1.47	1.41
14	Z	827	CLA	C1B-CHB	2.21	1.47	1.41
14	A	823	CLA	C4D-ND	2.21	1.40	1.37
14	A	840	CLA	C1C-C2C	2.21	1.48	1.44
14	S	1102	CLA	C4C-C3C	2.21	1.48	1.45
14	B	810	CLA	C1C-C2C	2.21	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	801	CLA	C1C-C2C	2.21	1.48	1.44
14	Y	822	CLA	C1C-NC	-2.21	1.34	1.37
14	h	206	CLA	C1D-C2D	2.21	1.49	1.45
14	U	1002	CLA	C4C-C3C	2.21	1.48	1.45
14	B	823	CLA	C1C-NC	-2.21	1.34	1.37
14	H	826	CLA	C1C-C2C	2.21	1.48	1.44
14	G	813	CLA	C4C-C3C	2.21	1.48	1.45
14	A	842	CLA	MG-ND	-2.21	2.01	2.05
14	h	205	CLA	C3D-C2D	2.21	1.45	1.39
14	A	825	CLA	C1C-C2C	2.21	1.48	1.44
14	Z	808	CLA	C4D-CHA	2.21	1.46	1.38
14	Y	838	CLA	C4D-ND	2.21	1.40	1.37
14	H	828	CLA	C1B-CHB	2.21	1.47	1.41
14	f	101	CLA	C4C-C3C	2.21	1.48	1.45
14	Z	831	CLA	C1C-C2C	2.21	1.48	1.44
14	Y	817	CLA	C1C-NC	-2.20	1.34	1.37
14	G	828	CLA	MG-ND	-2.20	2.01	2.05
14	Z	838	CLA	C1C-C2C	2.20	1.48	1.44
14	B	824	CLA	C1B-CHB	2.20	1.47	1.41
14	j	102	CLA	MG-ND	-2.20	2.01	2.05
14	A	809	CLA	C4C-C3C	2.20	1.48	1.45
14	h	206	CLA	C4C-C3C	2.20	1.48	1.45
14	G	837	CLA	C1B-CHB	2.20	1.47	1.41
14	Y	807	CLA	MG-ND	-2.20	2.01	2.05
14	Z	812	CLA	C1B-CHB	2.20	1.47	1.41
14	B	831	CLA	MG-NC	2.20	2.11	2.06
14	B	813	CLA	C1B-CHB	2.20	1.47	1.41
14	A	827	CLA	MG-ND	-2.20	2.01	2.05
14	G	825	CLA	C1D-C2D	2.20	1.49	1.45
14	G	804	CLA	C1C-NC	-2.20	1.34	1.37
14	Y	839	CLA	MG-NC	2.20	2.11	2.06
14	G	821	CLA	MG-NC	2.19	2.11	2.06
14	G	822	CLA	C1B-CHB	2.19	1.47	1.41
14	L	206	CLA	C4D-CHA	2.19	1.46	1.38
14	B	826	CLA	C4D-CHA	2.19	1.46	1.38
14	G	811	CLA	C1C-NC	-2.19	1.34	1.37
14	A	818	CLA	MG-ND	-2.19	2.01	2.05
14	A	814	CLA	C4D-ND	2.19	1.40	1.37
14	Y	821	CLA	C1B-CHB	2.19	1.47	1.41
14	G	816	CLA	C1C-NC	-2.19	1.34	1.37
14	H	833	CLA	MG-ND	-2.19	2.01	2.05
14	G	819	CLA	C1B-CHB	2.19	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	823	CLA	C1A-CHA	2.19	1.52	1.43
14	G	806	CLA	C1C-C2C	2.19	1.48	1.44
14	Y	826	CLA	C4D-CHA	2.19	1.46	1.38
14	T	103	CLA	C1C-NC	-2.19	1.34	1.37
14	Z	840	CLA	MG-NC	2.19	2.11	2.06
14	J	101	CLA	C1C-NC	-2.19	1.34	1.37
14	Y	835	CLA	C1C-NC	-2.19	1.34	1.37
14	U	1002	CLA	C1B-CHB	2.19	1.47	1.41
14	Y	838	CLA	C1D-ND	-2.19	1.35	1.37
14	Z	806	CLA	C4B-CHC	2.19	1.47	1.41
14	A	826	CLA	C4B-CHC	2.19	1.47	1.41
14	h	204	CLA	MG-NC	2.19	2.11	2.06
14	h	206	CLA	C4D-CHA	2.18	1.46	1.38
14	L	206	CLA	C1C-C2C	2.18	1.48	1.44
14	G	805	CLA	C1C-NC	-2.18	1.34	1.37
14	Z	802	CLA	C1C-NC	-2.18	1.34	1.37
14	G	826	CLA	C1B-CHB	2.18	1.47	1.41
14	B	806	CLA	C1D-C2D	2.18	1.49	1.45
14	G	815	CLA	MG-ND	-2.18	2.01	2.05
14	B	809	CLA	C4B-NB	-2.18	1.33	1.35
14	H	826	CLA	C4C-C3C	2.18	1.48	1.45
14	H	828	CLA	C4B-CHC	2.18	1.47	1.41
14	Y	815	CLA	C4C-C3C	2.18	1.48	1.45
14	Z	826	CLA	C1D-C2D	2.18	1.49	1.45
14	G	803	CLA	C1B-CHB	2.18	1.47	1.41
14	Y	808	CLA	C1D-C2D	2.18	1.49	1.45
14	B	829	CLA	MG-NC	2.18	2.11	2.06
14	H	838	CLA	MG-ND	-2.18	2.01	2.05
14	Y	816	CLA	MG-ND	-2.18	2.01	2.05
14	Y	821	CLA	MG-ND	-2.18	2.01	2.05
14	Z	840	CLA	C4C-C3C	2.17	1.48	1.45
14	Z	804	CLA	MG-NC	2.17	2.11	2.06
14	H	807	CLA	C1B-CHB	2.17	1.47	1.41
14	H	817	CLA	C1D-C2D	2.17	1.49	1.45
14	Z	815	CLA	C4D-ND	2.17	1.40	1.37
14	B	832	CLA	MG-ND	-2.17	2.01	2.05
14	Y	820	CLA	C1C-NC	-2.17	1.34	1.37
14	B	840	CLA	C4D-CHA	2.17	1.46	1.38
14	Z	815	CLA	C1C-NC	-2.17	1.34	1.37
14	H	824	CLA	C1D-C2D	2.17	1.49	1.45
14	Z	836	CLA	C1D-C2D	2.17	1.49	1.45
14	A	803	CLA	MG-NC	2.17	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	828	CLA	C4D-ND	2.17	1.40	1.37
14	G	802	CLA	MG-NC	2.17	2.11	2.06
14	Z	837	CLA	C1D-C2D	2.17	1.49	1.45
14	G	820	CLA	C1C-C2C	2.17	1.48	1.44
14	Y	812	CLA	C1C-NC	-2.17	1.34	1.37
14	A	822	CLA	C1C-C2C	2.16	1.48	1.44
14	Z	835	CLA	C1C-C2C	2.16	1.48	1.44
17	F	203	BCR	C1-C6	-2.16	1.50	1.53
14	K	101	CLA	MG-ND	-2.16	2.01	2.05
14	A	833	CLA	OBD-CAD	2.16	1.26	1.22
14	B	832	CLA	C1D-C2D	2.16	1.49	1.45
14	Z	820	CLA	C4C-C3C	2.16	1.48	1.45
14	Z	841	CLA	MG-NC	2.16	2.11	2.06
14	Z	802	CLA	C1C-C2C	2.16	1.48	1.44
14	Y	829	CLA	MG-ND	-2.16	2.01	2.05
14	H	826	CLA	C4B-NB	-2.16	1.33	1.35
14	H	811	CLA	C1D-ND	-2.16	1.35	1.37
14	A	827	CLA	MG-NC	2.16	2.11	2.06
14	H	803	CLA	MG-NC	2.16	2.11	2.06
14	G	822	CLA	C1A-CHA	2.16	1.52	1.43
14	Y	829	CLA	C4D-ND	2.16	1.40	1.37
14	B	809	CLA	C4B-CHC	2.15	1.47	1.41
14	A	824	CLA	C1C-NC	-2.15	1.34	1.37
14	J	102	CLA	C1B-CHB	2.15	1.47	1.41
14	Y	837	CLA	C1B-NB	-2.15	1.33	1.35
14	H	811	CLA	C1D-C2D	2.15	1.49	1.45
14	A	817	CLA	C1D-ND	-2.15	1.35	1.37
14	B	803	CLA	C3D-C2D	2.15	1.45	1.39
14	A	820	CLA	C1C-NC	-2.15	1.34	1.37
14	h	201	CLA	C1C-C2C	2.15	1.48	1.44
14	Z	818	CLA	C1B-CHB	2.15	1.47	1.41
14	H	822	CLA	MG-ND	-2.15	2.01	2.05
14	G	810	CLA	C1C-C2C	2.15	1.48	1.44
14	Z	825	CLA	C1C-C2C	2.15	1.48	1.44
14	G	835	CLA	MG-ND	-2.15	2.01	2.05
14	H	832	CLA	MG-ND	-2.15	2.01	2.05
14	Y	802	CLA	C1B-NB	-2.15	1.33	1.35
14	B	833	CLA	C4C-C3C	2.15	1.48	1.45
14	Y	811	CLA	C4C-C3C	2.15	1.48	1.45
14	B	826	CLA	C1B-CHB	2.15	1.47	1.41
14	H	806	CLA	C1B-NB	-2.15	1.33	1.35
14	A	822	CLA	C1D-C2D	2.15	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	824	CLA	C4D-ND	2.15	1.40	1.37
14	Y	815	CLA	C1C-NC	-2.14	1.34	1.37
14	A	803	CLA	C4B-CHC	2.14	1.47	1.41
14	G	811	CLA	C4B-CHC	2.14	1.47	1.41
14	A	823	CLA	C4C-C3C	2.14	1.48	1.45
14	Z	812	CLA	C4D-ND	2.14	1.40	1.37
14	Z	834	CLA	C1B-CHB	2.14	1.47	1.41
14	J	102	CLA	C1A-CHA	2.14	1.52	1.43
14	G	804	CLA	C1B-CHB	2.14	1.46	1.41
14	B	805	CLA	C1D-ND	-2.14	1.35	1.37
14	Y	824	CLA	C1C-C2C	2.14	1.48	1.44
14	A	802	CLA	C1B-CHB	2.14	1.46	1.41
14	G	853	CLA	C4B-CHC	2.14	1.46	1.41
14	U	1006	CLA	C4C-C3C	2.14	1.48	1.45
14	L	204	CLA	C1C-C2C	2.14	1.48	1.44
14	B	807	CLA	C4B-CHC	2.14	1.46	1.41
14	Y	814	CLA	C4C-C3C	2.13	1.48	1.45
14	W	1701	CLA	MG-ND	-2.13	2.01	2.05
14	A	854	CLA	C1C-NC	-2.13	1.34	1.37
14	G	808	CLA	MG-NC	2.13	2.11	2.06
14	H	840	CLA	C1D-C2D	2.13	1.49	1.45
17	M	101	BCR	C14-C13	-2.13	1.33	1.35
14	A	841	CLA	MG-ND	-2.13	2.01	2.05
14	H	809	CLA	C4C-C3C	2.13	1.48	1.45
14	f	102	CLA	C1C-C2C	2.13	1.48	1.44
14	A	828	CLA	C1D-C2D	2.13	1.49	1.45
14	Y	813	CLA	C4C-C3C	2.13	1.48	1.45
14	A	831	CLA	C1B-CHB	2.13	1.46	1.41
14	g	101	CLA	C1C-NC	-2.13	1.34	1.37
14	Z	819	CLA	C4D-ND	2.13	1.40	1.37
14	H	802	CLA	C1B-CHB	2.12	1.46	1.41
14	G	804	CLA	C1B-NB	-2.12	1.33	1.35
14	Y	832	CLA	C4B-CHC	2.12	1.46	1.41
14	H	840	CLA	C3D-C2D	2.12	1.44	1.39
14	F	202	CLA	C1B-CHB	2.12	1.46	1.41
14	G	837	CLA	C4B-CHC	2.12	1.46	1.41
14	B	803	CLA	C1A-CHA	2.12	1.51	1.43
14	Z	826	CLA	C1D-ND	-2.12	1.35	1.37
14	G	852	CLA	C4D-ND	2.12	1.40	1.37
14	H	815	CLA	C1A-CHA	2.12	1.51	1.43
14	H	809	CLA	C1B-CHB	2.12	1.46	1.41
14	H	825	CLA	C1B-CHB	2.12	1.46	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	822	CLA	C4C-C3C	2.12	1.48	1.45
14	G	822	CLA	C1D-ND	-2.12	1.35	1.37
14	B	829	CLA	C4C-C3C	2.12	1.48	1.45
14	Z	808	CLA	C4B-CHC	2.12	1.46	1.41
14	Y	833	CLA	C1B-CHB	2.12	1.46	1.41
14	G	833	CLA	C4B-CHC	2.12	1.46	1.41
13	A	801	CL0	C4C-C3C	2.12	1.48	1.45
14	J	101	CLA	C1C-C2C	2.12	1.48	1.44
14	B	834	CLA	MG-ND	-2.11	2.01	2.05
14	B	824	CLA	MG-NC	2.11	2.11	2.06
14	Y	835	CLA	C1D-ND	-2.11	1.35	1.37
14	A	840	CLA	C4C-C3C	2.11	1.48	1.45
14	Y	817	CLA	C4C-C3C	2.11	1.48	1.45
14	G	823	CLA	C1C-NC	-2.11	1.34	1.37
15	B	841	PQN	C11-C12	2.11	1.53	1.50
14	B	816	CLA	C1C-NC	-2.11	1.34	1.37
14	G	840	CLA	C1C-C2C	2.11	1.48	1.44
14	B	805	CLA	C1B-CHB	2.11	1.46	1.41
14	A	813	CLA	C4D-ND	2.11	1.40	1.37
14	B	816	CLA	C1D-C2D	2.11	1.49	1.45
14	A	837	CLA	C1D-ND	-2.11	1.35	1.37
14	G	838	CLA	C4D-ND	2.11	1.40	1.37
17	L	208	BCR	C21-C22	-2.10	1.33	1.35
14	F	202	CLA	C1B-NB	-2.10	1.33	1.35
14	A	824	CLA	C4C-C3C	2.10	1.48	1.45
14	G	814	CLA	C1C-NC	-2.10	1.34	1.37
14	Z	806	CLA	MG-NC	2.10	2.11	2.06
14	Y	839	CLA	C4C-C3C	2.10	1.48	1.45
14	H	827	CLA	C1B-CHB	2.10	1.46	1.41
17	h	207	BCR	C30-C25	-2.10	1.50	1.53
14	Z	839	CLA	C1B-CHB	2.10	1.46	1.41
14	G	816	CLA	C4D-ND	2.10	1.40	1.37
14	H	811	CLA	C1B-CHB	2.10	1.46	1.41
14	Z	810	CLA	C1A-CHA	2.10	1.51	1.43
14	H	828	CLA	C1A-CHA	2.10	1.51	1.43
14	Y	834	CLA	C4D-ND	2.09	1.40	1.37
14	Z	801	CLA	C1B-NB	-2.09	1.33	1.35
14	X	1701	CLA	C1D-C2D	2.09	1.49	1.45
14	H	838	CLA	C1A-CHA	2.09	1.51	1.43
14	B	802	CLA	C1D-C2D	2.09	1.49	1.45
14	J	102	CLA	C4C-C3C	2.09	1.48	1.45
14	B	817	CLA	C1C-C2C	2.09	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	U	1009	BCR	C15-C14	2.09	1.49	1.43
14	G	810	CLA	C1D-ND	-2.09	1.35	1.37
14	G	837	CLA	MG-ND	-2.09	2.01	2.05
14	G	852	CLA	C1B-CHB	2.09	1.46	1.41
14	A	838	CLA	C1C-NC	-2.09	1.34	1.37
14	Y	823	CLA	C4C-C3C	2.09	1.48	1.45
14	Y	812	CLA	C4D-ND	2.09	1.40	1.37
14	Z	824	CLA	C1D-ND	-2.09	1.35	1.37
14	B	836	CLA	C1C-C2C	2.09	1.48	1.44
14	G	838	CLA	C4B-CHC	2.09	1.46	1.41
14	G	813	CLA	C1C-NC	-2.09	1.34	1.37
17	Y	844	BCR	C5-C6	2.09	1.38	1.34
14	H	835	CLA	C1D-ND	-2.09	1.35	1.37
14	H	804	CLA	C1C-NC	-2.09	1.34	1.37
14	L	205	CLA	C1C-C2C	2.09	1.48	1.44
14	A	807	CLA	C1B-CHB	2.08	1.46	1.41
14	G	828	CLA	C1C-C2C	2.08	1.48	1.44
14	H	825	CLA	C1C-C2C	2.08	1.48	1.44
14	A	805	CLA	C4C-C3C	2.08	1.48	1.45
14	G	803	CLA	C1C-NC	-2.08	1.34	1.37
14	H	812	CLA	C1D-C2D	2.08	1.49	1.45
14	A	814	CLA	MG-NC	2.08	2.11	2.06
14	T	103	CLA	C1C-C2C	2.08	1.48	1.44
14	H	833	CLA	C1D-ND	-2.08	1.35	1.37
14	Z	801	CLA	C1C-C2C	2.08	1.48	1.44
14	A	827	CLA	C1B-CHB	2.08	1.46	1.41
14	Z	828	CLA	C4B-CHC	2.08	1.46	1.41
14	H	838	CLA	C1C-NC	-2.08	1.34	1.37
17	A	847	BCR	C12-C13	2.08	1.50	1.45
14	B	805	CLA	C1B-NB	-2.08	1.33	1.35
14	A	820	CLA	C4C-C3C	2.08	1.48	1.45
14	H	834	CLA	MG-ND	-2.08	2.01	2.05
14	B	806	CLA	C4B-CHC	2.08	1.46	1.41
14	Z	806	CLA	C1A-CHA	2.08	1.51	1.43
14	Z	821	CLA	C1B-CHB	2.08	1.46	1.41
14	Z	840	CLA	C1D-C2D	2.08	1.49	1.45
14	L	205	CLA	C4C-C3C	2.08	1.48	1.45
14	A	822	CLA	C1A-CHA	2.08	1.51	1.43
14	F	202	CLA	C1C-C2C	2.08	1.48	1.44
14	H	815	CLA	C1D-C2D	2.08	1.49	1.45
17	M	101	BCR	C23-C22	2.07	1.50	1.45
14	Y	834	CLA	C1D-ND	-2.07	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	816	CLA	MG-ND	-2.07	2.01	2.05
14	G	837	CLA	C4C-C3C	2.07	1.48	1.45
14	B	812	CLA	C4B-CHC	2.07	1.46	1.41
14	Z	816	CLA	C1C-C2C	2.07	1.48	1.44
17	h	207	BCR	C17-C18	-2.07	1.33	1.35
14	A	828	CLA	C1C-C2C	2.07	1.48	1.44
14	J	102	CLA	MG-ND	-2.07	2.01	2.05
14	Z	812	CLA	C1B-NB	-2.07	1.33	1.35
14	A	819	CLA	C1C-C2C	2.07	1.48	1.44
14	Y	810	CLA	C4C-C3C	2.07	1.48	1.45
14	Y	815	CLA	C1D-ND	-2.07	1.35	1.37
14	B	825	CLA	C1C-C2C	2.07	1.48	1.44
14	Z	832	CLA	C1D-C2D	2.07	1.49	1.45
14	U	1007	CLA	C1A-CHA	2.06	1.51	1.43
14	H	801	CLA	C1C-NC	-2.06	1.34	1.37
14	A	802	CLA	C4B-NB	-2.06	1.33	1.35
14	Z	810	CLA	C1B-NB	-2.06	1.33	1.35
14	Z	825	CLA	C4C-C3C	2.06	1.48	1.45
14	B	828	CLA	C4B-CHC	2.06	1.46	1.41
14	Z	816	CLA	MG-ND	-2.06	2.01	2.05
14	Z	802	CLA	C1D-C2D	2.06	1.49	1.45
14	B	834	CLA	C1C-C2C	2.06	1.48	1.44
14	A	843	CLA	C1C-NC	-2.06	1.34	1.37
14	B	804	CLA	C2A-C1A	-2.06	1.47	1.52
14	B	806	CLA	C1B-CHB	2.06	1.46	1.41
14	G	820	CLA	C1D-C2D	2.06	1.49	1.45
14	B	802	CLA	C1B-CHB	2.06	1.46	1.41
14	Y	802	CLA	C4C-C3C	2.06	1.48	1.45
14	B	840	CLA	C4B-CHC	2.05	1.46	1.41
14	Y	802	CLA	C1B-CHB	2.05	1.46	1.41
14	A	822	CLA	C1C-NC	-2.05	1.34	1.37
14	G	853	CLA	MG-NC	2.05	2.11	2.06
14	B	836	CLA	C1D-C2D	2.05	1.49	1.45
14	A	809	CLA	C4D-ND	2.05	1.40	1.37
14	W	1701	CLA	C1A-CHA	2.05	1.51	1.43
14	A	805	CLA	C1B-CHB	2.05	1.46	1.41
14	A	805	CLA	C1B-NB	-2.05	1.33	1.35
14	Z	831	CLA	C1B-NB	-2.05	1.33	1.35
14	G	805	CLA	MG-ND	-2.05	2.01	2.05
14	S	1101	CLA	C1B-NB	-2.05	1.33	1.35
14	Y	823	CLA	C4D-ND	2.05	1.40	1.37
14	f	101	CLA	C1D-ND	-2.05	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	837	CLA	C1C-NC	-2.04	1.34	1.37
14	H	813	CLA	C1C-NC	-2.04	1.34	1.37
14	Y	803	CLA	C4C-C3C	2.04	1.48	1.45
14	H	820	CLA	C4B-CHC	2.04	1.46	1.41
14	Y	811	CLA	C4D-ND	2.04	1.40	1.37
14	Q	202	CLA	C1C-C2C	2.04	1.48	1.44
14	Z	832	CLA	C4C-C3C	2.04	1.48	1.45
14	Z	822	CLA	MG-ND	-2.04	2.01	2.05
14	Y	806	CLA	C1D-C2D	2.04	1.49	1.45
14	A	805	CLA	C1D-C2D	2.04	1.49	1.45
14	L	205	CLA	C1D-C2D	2.04	1.49	1.45
14	Z	803	CLA	MG-ND	-2.04	2.01	2.05
14	G	835	CLA	C4C-C3C	2.04	1.48	1.45
14	G	840	CLA	C1D-C2D	2.04	1.49	1.45
14	Y	814	CLA	C1D-C2D	2.04	1.49	1.45
14	H	804	CLA	C1C-C2C	2.04	1.48	1.44
14	H	818	CLA	C4C-C3C	2.04	1.48	1.45
14	H	811	CLA	C4C-C3C	2.04	1.48	1.45
14	G	802	CLA	C1D-C2D	2.04	1.49	1.45
14	G	814	CLA	C1C-C2C	2.04	1.48	1.44
14	Y	811	CLA	C1D-ND	-2.03	1.35	1.37
17	R	101	BCR	C24-C25	2.03	1.52	1.45
17	H	847	BCR	C30-C25	-2.03	1.51	1.53
14	A	823	CLA	MG-ND	-2.03	2.01	2.05
14	H	815	CLA	C1C-C2C	2.03	1.48	1.44
14	Z	835	CLA	C4D-ND	2.03	1.40	1.37
14	H	823	CLA	C4C-C3C	2.03	1.48	1.45
17	Y	844	BCR	C12-C13	2.03	1.50	1.45
14	f	101	CLA	C1C-NC	-2.03	1.34	1.37
14	A	818	CLA	C4D-ND	2.03	1.40	1.37
14	Y	840	CLA	C1D-C2D	2.03	1.49	1.45
14	A	832	CLA	C1C-C2C	2.03	1.48	1.44
14	B	818	CLA	C1B-CHB	2.03	1.46	1.41
17	Y	852	BCR	C30-C25	-2.03	1.51	1.53
14	A	808	CLA	C4C-C3C	2.02	1.48	1.45
14	L	206	CLA	C1B-CHB	2.02	1.46	1.41
14	H	804	CLA	MG-NC	2.02	2.11	2.06
14	A	839	CLA	C1C-NC	-2.02	1.34	1.37
14	A	829	CLA	C1C-C2C	2.02	1.48	1.44
14	h	205	CLA	C4D-CHA	2.02	1.45	1.38
14	B	829	CLA	C1B-CHB	2.02	1.46	1.41
14	B	803	CLA	C4C-C3C	2.02	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	828	CLA	C1B-NB	-2.02	1.33	1.35
17	A	849	BCR	C14-C13	-2.02	1.33	1.35
14	H	802	CLA	C1D-C2D	2.02	1.49	1.45
14	A	812	CLA	C4B-CHC	2.02	1.46	1.41
14	A	827	CLA	C1B-NB	-2.02	1.33	1.35
14	Z	813	CLA	C1B-NB	-2.02	1.33	1.35
14	Z	828	CLA	C4C-C3C	2.02	1.48	1.45
14	H	806	CLA	C4D-ND	2.02	1.40	1.37
14	H	833	CLA	C1B-NB	-2.02	1.33	1.35
14	A	843	CLA	C4C-C3C	2.02	1.48	1.45
14	A	805	CLA	C1C-NC	-2.02	1.34	1.37
14	G	840	CLA	C1B-CHB	2.02	1.46	1.41
14	H	834	CLA	C4B-CHC	2.02	1.46	1.41
14	L	202	CLA	C3D-C2D	2.01	1.44	1.39
14	G	808	CLA	C1D-C2D	2.01	1.49	1.45
14	H	802	CLA	C1A-CHA	2.01	1.51	1.43
14	B	819	CLA	C1D-C2D	2.01	1.49	1.45
14	G	839	CLA	C1C-NC	-2.01	1.34	1.37
14	G	828	CLA	C1B-CHB	2.01	1.46	1.41
14	f	101	CLA	C4D-ND	2.01	1.40	1.37
14	H	819	CLA	C1C-C2C	2.01	1.48	1.44
14	Y	830	CLA	C1D-C2D	2.01	1.49	1.45
14	A	804	CLA	C1C-C2C	2.01	1.48	1.44
14	H	851	CLA	C1A-CHA	2.01	1.51	1.43
14	Y	832	CLA	C4C-C3C	2.01	1.48	1.45
14	G	824	CLA	C1C-NC	-2.01	1.34	1.37
14	H	822	CLA	C1A-CHA	2.01	1.51	1.43
14	H	833	CLA	C1B-CHB	2.01	1.46	1.41
14	Z	831	CLA	MG-NC	2.01	2.11	2.06
14	H	806	CLA	C1C-NC	-2.01	1.34	1.37
14	B	837	CLA	C1C-C2C	2.01	1.48	1.44
14	Z	809	CLA	C4B-CHC	2.01	1.46	1.41
14	G	809	CLA	C1C-C2C	2.01	1.48	1.44
14	Y	818	CLA	C1C-NC	-2.00	1.34	1.37
14	A	835	CLA	C4C-C3C	2.00	1.48	1.45
14	A	810	CLA	C1D-C2D	2.00	1.49	1.45
14	B	836	CLA	C4D-ND	2.00	1.40	1.37
14	G	823	CLA	C1A-CHA	2.00	1.51	1.43
14	A	817	CLA	C4D-ND	2.00	1.40	1.37

All (8569) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	848	BCR	C16-C17-C18	33.23	174.73	127.31
17	i	101	BCR	C16-C17-C18	30.09	170.25	127.31
17	Y	846	BCR	C16-C17-C18	29.93	170.03	127.31
17	R	101	BCR	C16-C17-C18	29.41	169.28	127.31
17	Y	849	BCR	C16-C17-C18	28.25	167.63	127.31
17	S	1105	BCR	C16-C17-C18	28.22	167.59	127.31
17	A	847	BCR	C16-C17-C18	28.22	167.59	127.31
17	Y	845	BCR	C16-C17-C18	28.19	167.54	127.31
17	Z	850	BCR	C16-C17-C18	28.01	167.29	127.31
17	Q	201	BCR	C16-C17-C18	27.69	166.84	127.31
17	G	845	BCR	C16-C17-C18	27.53	166.60	127.31
17	A	851	BCR	C16-C17-C18	27.39	166.40	127.31
17	U	1005	BCR	C16-C17-C18	26.62	165.29	127.31
17	R	102	BCR	C16-C17-C18	26.59	165.26	127.31
17	H	846	BCR	C16-C17-C18	26.58	165.24	127.31
17	Y	844	BCR	C16-C17-C18	26.56	165.22	127.31
17	I	101	BCR	C16-C17-C18	26.52	165.16	127.31
17	B	843	BCR	C16-C17-C18	26.48	165.10	127.31
17	G	849	BCR	C16-C17-C18	26.46	165.07	127.31
17	Z	844	BCR	C16-C17-C18	26.41	165.01	127.31
17	A	846	BCR	C16-C17-C18	26.41	165.00	127.31
17	B	842	BCR	C16-C17-C18	26.38	164.96	127.31
17	Z	847	BCR	C16-C17-C18	26.37	164.94	127.31
17	d	203	BCR	C16-C17-C18	26.14	164.61	127.31
17	B	850	BCR	C16-C17-C18	26.00	164.41	127.31
17	Y	848	BCR	C16-C17-C18	25.96	164.36	127.31
17	Q	203	BCR	C16-C17-C18	25.92	164.31	127.31
17	J	103	BCR	C16-C17-C18	25.90	164.27	127.31
17	L	207	BCR	C16-C17-C18	25.89	164.26	127.31
17	G	848	BCR	C16-C17-C18	25.88	164.24	127.31
17	Y	852	BCR	C16-C17-C18	25.84	164.19	127.31
17	F	203	BCR	C16-C17-C18	25.76	164.08	127.31
17	T	102	BCR	C16-C17-C18	25.68	163.97	127.31
17	H	850	BCR	C16-C17-C18	25.62	163.87	127.31
17	G	847	BCR	C16-C17-C18	25.59	163.83	127.31
17	B	845	BCR	C16-C17-C18	25.57	163.80	127.31
17	I	101	BCR	C20-C21-C22	25.40	163.56	127.31
17	B	846	BCR	C16-C17-C18	25.28	163.39	127.31
17	U	1009	BCR	C16-C17-C18	25.20	163.27	127.31
17	B	847	BCR	C16-C17-C18	25.19	163.26	127.31
17	e	101	BCR	C20-C21-C22	25.14	163.19	127.31
17	B	843	BCR	C20-C21-C22	25.13	163.18	127.31
17	h	207	BCR	C16-C17-C18	25.04	163.04	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	V	101	BCR	C16-C17-C18	24.93	162.89	127.31
17	U	1008	BCR	C16-C17-C18	24.92	162.87	127.31
17	H	845	BCR	C16-C17-C18	24.70	162.55	127.31
17	e	101	BCR	C15-C16-C17	24.63	173.93	123.47
17	A	850	BCR	C16-C17-C18	24.49	162.26	127.31
17	Y	844	BCR	C20-C21-C22	24.43	162.18	127.31
17	A	849	BCR	C16-C17-C18	24.42	162.16	127.31
17	Z	845	BCR	C16-C17-C18	24.33	162.03	127.31
17	R	101	BCR	C20-C21-C22	24.28	161.96	127.31
17	Y	853	BCR	C16-C17-C18	24.26	161.93	127.31
17	H	842	BCR	C16-C17-C18	24.15	161.78	127.31
17	S	1104	BCR	C16-C17-C18	23.99	161.55	127.31
17	G	846	BCR	C16-C17-C18	23.99	161.54	127.31
17	A	846	BCR	C20-C21-C22	23.93	161.47	127.31
17	F	201	BCR	C16-C17-C18	23.90	161.42	127.31
17	M	101	BCR	C16-C17-C18	23.86	161.36	127.31
17	H	843	BCR	C16-C17-C18	23.82	161.30	127.31
17	Z	845	BCR	C15-C16-C17	23.68	171.99	123.47
17	h	202	BCR	C16-C17-C18	23.52	160.88	127.31
17	H	847	BCR	C16-C17-C18	23.51	160.86	127.31
17	I	102	BCR	C16-C17-C18	23.42	160.74	127.31
17	Y	847	BCR	C16-C17-C18	23.42	160.73	127.31
17	U	1009	BCR	C15-C16-C17	23.32	171.24	123.47
17	A	848	BCR	C16-C17-C18	23.29	160.55	127.31
17	L	208	BCR	C16-C17-C18	23.27	160.52	127.31
17	Z	843	BCR	C16-C17-C18	23.25	160.50	127.31
17	f	103	BCR	C16-C17-C18	23.15	160.35	127.31
17	B	844	BCR	C16-C17-C18	23.13	160.32	127.31
17	S	1105	BCR	C20-C21-C22	23.09	160.26	127.31
17	f	103	BCR	C15-C16-C17	23.08	170.75	123.47
17	Y	847	BCR	C20-C21-C22	23.00	160.14	127.31
17	Y	847	BCR	C15-C16-C17	22.97	170.52	123.47
17	e	101	BCR	C16-C17-C18	22.93	160.03	127.31
17	h	202	BCR	C15-C16-C17	22.75	170.09	123.47
17	Y	852	BCR	C15-C16-C17	22.73	170.04	123.47
17	H	844	BCR	C15-C16-C17	22.72	170.02	123.47
17	T	102	BCR	C20-C21-C22	22.70	159.71	127.31
17	L	208	BCR	C15-C16-C17	22.61	169.80	123.47
17	H	842	BCR	C15-C16-C17	22.61	169.78	123.47
17	H	847	BCR	C15-C16-C17	22.59	169.75	123.47
17	A	848	BCR	C15-C16-C17	22.52	169.61	123.47
17	Z	846	BCR	C15-C16-C17	22.52	169.60	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	M	101	BCR	C15-C16-C17	22.48	169.53	123.47
17	H	845	BCR	C15-C16-C17	22.45	169.46	123.47
17	B	844	BCR	C15-C16-C17	22.42	169.40	123.47
17	J	104	BCR	C16-C17-C18	22.37	159.23	127.31
17	Z	846	BCR	C16-C17-C18	22.05	158.78	127.31
17	H	844	BCR	C16-C17-C18	22.02	158.74	127.31
17	I	102	BCR	C15-C16-C17	21.86	168.25	123.47
17	Z	845	BCR	C20-C21-C22	21.79	158.40	127.31
17	B	844	BCR	C20-C21-C22	21.78	158.39	127.31
17	B	847	BCR	C15-C16-C17	21.77	168.07	123.47
17	A	850	BCR	C15-C16-C17	21.74	168.01	123.47
17	f	103	BCR	C20-C21-C22	21.74	158.34	127.31
17	F	201	BCR	C15-C16-C17	21.74	168.00	123.47
17	G	846	BCR	C15-C16-C17	21.73	167.98	123.47
17	B	842	BCR	C20-C21-C22	21.71	158.43	127.30
17	G	849	BCR	C20-C21-C22	21.70	158.28	127.31
17	G	847	BCR	C20-C21-C22	21.58	158.11	127.31
17	Z	848	BCR	C20-C21-C22	21.58	158.11	127.31
17	H	844	BCR	C20-C21-C22	21.54	158.06	127.31
17	J	104	BCR	C15-C16-C17	21.53	167.57	123.47
17	A	849	BCR	C15-C16-C17	21.52	167.56	123.47
17	Y	849	BCR	C20-C21-C22	21.38	157.82	127.31
17	S	1104	BCR	C15-C16-C17	21.37	167.25	123.47
17	H	850	BCR	C15-C16-C17	21.36	167.22	123.47
17	Z	843	BCR	C15-C16-C17	21.35	167.21	123.47
17	R	102	BCR	C15-C16-C17	21.25	167.00	123.47
17	Y	846	BCR	C20-C21-C22	21.25	157.64	127.31
17	Y	848	BCR	C15-C16-C17	21.19	166.88	123.47
17	B	850	BCR	C15-C16-C17	21.16	166.81	123.47
17	L	207	BCR	C15-C16-C17	21.12	166.74	123.47
17	B	846	BCR	C15-C16-C17	21.06	166.61	123.47
17	A	851	BCR	C20-C21-C22	21.04	157.34	127.31
17	V	101	BCR	C15-C16-C17	21.04	166.57	123.47
17	Y	853	BCR	C15-C16-C17	21.03	166.55	123.47
17	U	1008	BCR	C15-C16-C17	21.02	166.54	123.47
17	I	101	BCR	C15-C16-C17	20.97	166.42	123.47
17	G	848	BCR	C15-C16-C17	20.92	166.32	123.47
17	T	102	BCR	C15-C16-C17	20.91	166.32	123.47
17	J	103	BCR	C20-C21-C22	20.87	157.09	127.31
17	A	847	BCR	C20-C21-C22	20.78	156.97	127.31
17	F	203	BCR	C15-C16-C17	20.75	165.98	123.47
17	A	850	BCR	C20-C21-C22	20.74	156.91	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	844	BCR	C15-C16-C17	20.68	165.83	123.47
17	Y	848	BCR	C20-C21-C22	20.64	156.77	127.31
17	A	851	BCR	C15-C16-C17	20.63	165.73	123.47
17	H	843	BCR	C15-C16-C17	20.62	165.71	123.47
17	A	846	BCR	C15-C16-C17	20.58	165.63	123.47
17	B	843	BCR	C15-C16-C17	20.56	165.58	123.47
17	R	101	BCR	C15-C16-C17	20.48	165.43	123.47
17	G	847	BCR	C15-C16-C17	20.44	165.34	123.47
17	G	849	BCR	C15-C16-C17	20.42	165.31	123.47
17	Q	203	BCR	C15-C16-C17	20.42	165.30	123.47
17	h	207	BCR	C15-C16-C17	20.37	165.20	123.47
17	G	845	BCR	C20-C21-C22	20.24	156.20	127.31
17	B	845	BCR	C15-C16-C17	20.24	164.94	123.47
17	d	203	BCR	C15-C16-C17	20.19	164.84	123.47
17	Z	847	BCR	C15-C16-C17	20.16	164.77	123.47
17	Z	844	BCR	C15-C16-C17	20.08	164.60	123.47
17	H	842	BCR	C20-C21-C22	20.06	155.93	127.31
17	H	847	BCR	C20-C21-C22	20.02	155.89	127.31
17	H	846	BCR	C15-C16-C17	20.02	164.47	123.47
17	i	101	BCR	C20-C21-C22	19.91	155.73	127.31
17	h	207	BCR	C20-C21-C22	19.90	155.70	127.31
17	S	1104	BCR	C20-C21-C22	19.83	155.60	127.31
17	Y	845	BCR	C20-C21-C22	19.76	155.51	127.31
17	A	848	BCR	C20-C21-C22	19.74	155.48	127.31
17	I	102	BCR	C20-C21-C22	19.72	155.45	127.31
17	U	1008	BCR	C20-C21-C22	19.69	155.41	127.31
17	R	102	BCR	C20-C21-C22	19.64	155.34	127.31
17	Z	846	BCR	C20-C21-C22	19.63	155.32	127.31
17	B	847	BCR	C20-C21-C22	19.62	155.32	127.31
17	U	1005	BCR	C15-C16-C17	19.59	163.60	123.47
17	J	104	BCR	C20-C21-C22	19.57	155.24	127.31
17	B	846	BCR	C20-C21-C22	19.57	155.24	127.31
17	S	1105	BCR	C15-C16-C17	19.45	163.33	123.47
17	Y	849	BCR	C15-C16-C17	19.33	163.06	123.47
17	U	1005	BCR	C20-C21-C22	19.28	154.82	127.31
17	Z	847	BCR	C20-C21-C22	19.18	154.69	127.31
17	Z	843	BCR	C20-C21-C22	19.06	154.51	127.31
17	G	848	BCR	C20-C21-C22	19.02	154.46	127.31
17	M	101	BCR	C20-C21-C22	18.95	154.35	127.31
17	Y	846	BCR	C15-C16-C17	18.94	162.26	123.47
17	A	849	BCR	C20-C21-C22	18.92	154.31	127.31
17	L	207	BCR	C20-C21-C22	18.87	154.24	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	846	BCR	C20-C21-C22	18.83	154.18	127.31
17	F	201	BCR	C20-C21-C22	18.80	154.14	127.31
17	i	101	BCR	C15-C16-C17	18.76	161.90	123.47
17	H	843	BCR	C20-C21-C22	18.73	154.05	127.31
17	h	202	BCR	C20-C21-C22	18.70	154.00	127.31
17	Z	850	BCR	C20-C21-C22	18.64	153.92	127.31
17	U	1009	BCR	C20-C21-C22	18.54	153.77	127.31
17	Y	852	BCR	C20-C21-C22	18.37	153.53	127.31
17	G	846	BCR	C20-C21-C22	18.34	153.49	127.31
17	H	845	BCR	C20-C21-C22	18.24	153.34	127.31
17	H	850	BCR	C20-C21-C22	18.20	153.28	127.31
17	Q	201	BCR	C20-C21-C22	18.11	153.15	127.31
17	Z	844	BCR	C20-C21-C22	18.08	153.11	127.31
17	Y	853	BCR	C20-C21-C22	18.04	153.05	127.31
17	A	846	BCR	C10-C11-C12	17.82	178.82	123.22
17	B	850	BCR	C20-C21-C22	17.71	152.59	127.31
17	B	844	BCR	C10-C11-C12	17.66	178.33	123.22
17	L	208	BCR	C20-C21-C22	17.63	152.47	127.31
17	B	843	BCR	C10-C11-C12	17.56	178.03	123.22
17	d	203	BCR	C20-C21-C22	17.50	152.29	127.31
17	Q	203	BCR	C20-C21-C22	17.39	152.13	127.31
17	H	843	BCR	C10-C11-C12	17.37	177.42	123.22
17	T	102	BCR	C10-C11-C12	17.36	177.38	123.22
17	i	101	BCR	C10-C11-C12	17.35	177.36	123.22
17	Y	845	BCR	C10-C11-C12	17.33	177.29	123.22
17	H	842	BCR	C10-C11-C12	17.30	177.21	123.22
17	Y	852	BCR	C10-C11-C12	17.21	176.92	123.22
17	S	1105	BCR	C10-C11-C12	17.20	176.88	123.22
17	Y	847	BCR	C10-C11-C12	17.19	176.86	123.22
17	H	846	BCR	C10-C11-C12	17.10	176.58	123.22
17	J	104	BCR	C10-C11-C12	17.10	176.58	123.22
17	B	842	BCR	C10-C11-C12	17.09	176.54	123.22
17	A	850	BCR	C10-C11-C12	17.09	176.54	123.22
17	F	203	BCR	C20-C21-C22	17.05	151.65	127.31
17	V	101	BCR	C10-C11-C12	17.05	176.42	123.22
17	Z	850	BCR	C15-C16-C17	17.03	158.36	123.47
17	U	1005	BCR	C10-C11-C12	17.03	176.36	123.22
17	M	101	BCR	C10-C11-C12	17.00	176.26	123.22
17	f	103	BCR	C10-C11-C12	16.97	176.18	123.22
17	G	845	BCR	C10-C11-C12	16.92	176.03	123.22
17	A	848	BCR	C10-C11-C12	16.89	175.92	123.22
17	Y	846	BCR	C10-C11-C12	16.86	175.83	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	G	848	BCR	C10-C11-C12	16.85	175.81	123.22
17	B	845	BCR	C20-C21-C22	16.81	151.30	127.31
17	B	846	BCR	C10-C11-C12	16.80	175.64	123.22
17	L	207	BCR	C10-C11-C12	16.77	175.55	123.22
17	Q	203	BCR	C10-C11-C12	16.75	175.49	123.22
17	V	101	BCR	C20-C21-C22	16.67	151.10	127.31
17	H	850	BCR	C10-C11-C12	16.66	175.22	123.22
17	G	846	BCR	C10-C11-C12	16.66	175.21	123.22
17	F	201	BCR	C10-C11-C12	16.66	175.20	123.22
17	Y	845	BCR	C15-C16-C17	16.60	157.49	123.47
17	Y	853	BCR	C10-C11-C12	16.60	175.03	123.22
17	A	849	BCR	C10-C11-C12	16.60	175.02	123.22
17	I	102	BCR	C10-C11-C12	16.57	174.93	123.22
17	G	845	BCR	C15-C16-C17	16.54	157.35	123.47
17	F	203	BCR	C10-C11-C12	16.53	174.82	123.22
17	Z	850	BCR	C10-C11-C12	16.53	174.81	123.22
17	S	1104	BCR	C10-C11-C12	16.52	174.77	123.22
17	i	101	BCR	C16-C15-C14	16.51	157.30	123.47
17	G	849	BCR	C10-C11-C12	16.50	174.72	123.22
17	H	844	BCR	C10-C11-C12	16.50	174.72	123.22
17	h	202	BCR	C10-C11-C12	16.48	174.66	123.22
17	Z	848	BCR	C10-C11-C12	16.48	174.66	123.22
17	h	207	BCR	C10-C11-C12	16.48	174.65	123.22
17	A	847	BCR	C10-C11-C12	16.47	174.61	123.22
17	Z	844	BCR	C10-C11-C12	16.46	174.57	123.22
17	G	847	BCR	C10-C11-C12	16.39	174.38	123.22
17	B	850	BCR	C10-C11-C12	16.34	174.21	123.22
17	A	847	BCR	C15-C16-C17	16.30	156.87	123.47
17	I	101	BCR	C10-C11-C12	16.26	173.95	123.22
17	Q	201	BCR	C10-C11-C12	16.23	173.86	123.22
17	R	102	BCR	C10-C11-C12	16.20	173.78	123.22
17	U	1008	BCR	C10-C11-C12	16.20	173.77	123.22
17	Y	849	BCR	C10-C11-C12	16.12	173.52	123.22
17	Z	847	BCR	C10-C11-C12	16.09	173.44	123.22
17	Z	845	BCR	C10-C11-C12	16.09	173.43	123.22
17	e	101	BCR	C10-C11-C12	16.05	173.29	123.22
17	J	103	BCR	C10-C11-C12	16.03	173.25	123.22
17	L	208	BCR	C10-C11-C12	15.88	172.78	123.22
17	A	851	BCR	C10-C11-C12	15.86	172.70	123.22
17	U	1009	BCR	C10-C11-C12	15.84	172.66	123.22
17	R	101	BCR	C11-C12-C13	15.78	170.74	126.42
17	Z	843	BCR	C10-C11-C12	15.67	172.12	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	R	101	BCR	C10-C11-C12	15.62	171.98	123.22
17	H	847	BCR	C11-C10-C9	15.60	149.57	127.31
17	R	102	BCR	C11-C12-C13	15.42	169.74	126.42
17	Y	844	BCR	C10-C11-C12	15.41	171.31	123.22
17	Q	201	BCR	C21-C20-C19	15.39	171.25	123.22
17	H	847	BCR	C10-C11-C12	15.38	171.22	123.22
17	B	850	BCR	C21-C20-C19	15.26	170.83	123.22
17	J	103	BCR	C15-C16-C17	15.21	154.63	123.47
17	G	845	BCR	C16-C15-C14	15.21	154.62	123.47
17	Z	850	BCR	C16-C15-C14	15.20	154.61	123.47
17	Q	201	BCR	C15-C16-C17	15.16	154.53	123.47
17	Y	852	BCR	C21-C20-C19	15.12	170.41	123.22
17	Y	844	BCR	C11-C10-C9	15.12	148.88	127.31
17	B	842	BCR	C15-C16-C17	15.11	154.43	123.47
17	F	201	BCR	C21-C20-C19	15.09	170.32	123.22
17	M	101	BCR	C21-C20-C19	15.09	170.30	123.22
17	H	850	BCR	C11-C12-C13	15.08	168.77	126.42
17	d	203	BCR	C21-C20-C19	15.06	170.22	123.22
17	F	203	BCR	C21-C20-C19	15.02	170.08	123.22
17	A	849	BCR	C21-C20-C19	14.97	169.94	123.22
17	Y	853	BCR	C21-C20-C19	14.94	169.82	123.22
17	B	847	BCR	C10-C11-C12	14.89	169.69	123.22
17	G	849	BCR	C11-C12-C13	14.89	168.24	126.42
17	Y	848	BCR	C11-C12-C13	14.87	168.19	126.42
17	V	101	BCR	C21-C20-C19	14.87	169.62	123.22
17	Z	845	BCR	C11-C10-C9	14.85	148.50	127.31
17	A	850	BCR	C11-C12-C13	14.81	168.01	126.42
17	B	850	BCR	C11-C12-C13	14.75	167.86	126.42
17	U	1009	BCR	C11-C12-C13	14.75	167.85	126.42
17	Z	848	BCR	C15-C16-C17	14.74	153.67	123.47
17	H	847	BCR	C21-C20-C19	14.72	169.14	123.22
17	H	846	BCR	C21-C20-C19	14.69	169.06	123.22
17	f	103	BCR	C11-C12-C13	14.66	167.59	126.42
17	Y	846	BCR	C16-C15-C14	14.66	153.50	123.47
17	Y	848	BCR	C10-C11-C12	14.64	168.91	123.22
17	Z	846	BCR	C21-C20-C19	14.63	168.89	123.22
17	Q	201	BCR	C11-C10-C9	14.60	148.15	127.31
17	Z	844	BCR	C21-C20-C19	14.59	168.74	123.22
17	e	101	BCR	C11-C12-C13	14.58	167.38	126.42
17	h	202	BCR	C21-C20-C19	14.57	168.69	123.22
17	H	847	BCR	C11-C12-C13	14.52	167.19	126.42
17	I	101	BCR	C11-C12-C13	14.51	167.19	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	G	846	BCR	C21-C20-C19	14.50	168.47	123.22
17	Q	203	BCR	C21-C20-C19	14.50	168.46	123.22
17	U	1008	BCR	C11-C12-C13	14.50	167.14	126.42
17	H	850	BCR	C21-C20-C19	14.48	168.41	123.22
17	Z	844	BCR	C11-C12-C13	14.48	167.09	126.42
17	S	1105	BCR	C11-C12-C13	14.44	166.99	126.42
17	H	843	BCR	C21-C20-C19	14.38	168.10	123.22
17	I	102	BCR	C21-C20-C19	14.36	168.04	123.22
17	U	1005	BCR	C21-C20-C19	14.35	167.99	123.22
17	H	845	BCR	C21-C20-C19	14.34	167.97	123.22
17	S	1104	BCR	C21-C20-C19	14.33	167.94	123.22
17	J	104	BCR	C21-C20-C19	14.31	167.87	123.22
17	Z	847	BCR	C21-C20-C19	14.30	167.84	123.22
17	B	845	BCR	C21-C20-C19	14.29	167.82	123.22
17	L	207	BCR	C11-C12-C13	14.24	166.42	126.42
17	A	848	BCR	C21-C20-C19	14.24	167.65	123.22
17	G	848	BCR	C21-C20-C19	14.22	167.58	123.22
17	Y	844	BCR	C11-C12-C13	14.19	166.27	126.42
17	H	842	BCR	C11-C12-C13	14.17	166.22	126.42
17	Y	845	BCR	C11-C12-C13	14.17	166.21	126.42
17	d	203	BCR	C10-C11-C12	14.15	167.39	123.22
17	Z	843	BCR	C21-C20-C19	14.13	167.32	123.22
17	Z	847	BCR	C16-C15-C14	14.11	152.38	123.47
17	L	208	BCR	C11-C12-C13	14.11	166.05	126.42
17	F	201	BCR	C11-C10-C9	14.11	147.44	127.31
17	B	847	BCR	C21-C20-C19	14.11	167.24	123.22
17	h	207	BCR	C21-C20-C19	14.10	167.21	123.22
17	A	848	BCR	C11-C12-C13	14.09	166.01	126.42
17	B	844	BCR	C11-C12-C13	14.09	165.99	126.42
17	i	101	BCR	C21-C20-C19	14.08	167.16	123.22
17	Z	848	BCR	C11-C12-C13	14.03	165.84	126.42
17	J	103	BCR	C16-C15-C14	14.01	152.18	123.47
17	G	845	BCR	C21-C20-C19	14.01	166.93	123.22
17	R	102	BCR	C21-C20-C19	14.00	166.92	123.22
17	H	846	BCR	C11-C12-C13	13.93	165.56	126.42
17	Y	845	BCR	C16-C15-C14	13.93	152.01	123.47
17	Y	847	BCR	C11-C12-C13	13.91	165.48	126.42
17	G	847	BCR	C11-C12-C13	13.89	165.45	126.42
17	I	102	BCR	C11-C12-C13	13.89	165.42	126.42
17	A	846	BCR	C11-C12-C13	13.88	165.41	126.42
17	U	1008	BCR	C21-C20-C19	13.88	166.52	123.22
17	G	848	BCR	C11-C12-C13	13.87	165.37	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	F	201	BCR	C11-C12-C13	13.85	165.34	126.42
17	V	101	BCR	C11-C10-C9	13.82	147.03	127.31
17	A	850	BCR	C21-C20-C19	13.81	166.32	123.22
17	Z	850	BCR	C21-C20-C19	13.80	166.29	123.22
17	Z	850	BCR	C11-C12-C13	13.80	165.18	126.42
17	M	101	BCR	C11-C12-C13	13.77	165.09	126.42
17	A	851	BCR	C21-C20-C19	13.76	166.16	123.22
17	H	846	BCR	C16-C15-C14	13.76	151.66	123.47
17	Y	849	BCR	C11-C12-C13	13.75	165.04	126.42
17	G	847	BCR	C21-C20-C19	13.73	166.05	123.22
17	V	101	BCR	C16-C15-C14	13.72	151.58	123.47
17	A	849	BCR	C11-C12-C13	13.71	164.94	126.42
17	Z	848	BCR	C21-C20-C19	13.69	165.95	123.22
17	Y	845	BCR	C21-C20-C19	13.69	165.94	123.22
17	Y	846	BCR	C11-C12-C13	13.67	164.82	126.42
17	U	1005	BCR	C11-C12-C13	13.67	164.81	126.42
17	Z	844	BCR	C16-C15-C14	13.65	151.44	123.47
17	B	847	BCR	C11-C10-C9	13.65	146.78	127.31
17	T	102	BCR	C11-C12-C13	13.65	164.75	126.42
17	Y	849	BCR	C21-C20-C19	13.63	165.75	123.22
17	B	846	BCR	C11-C12-C13	13.62	164.69	126.42
17	Y	852	BCR	C11-C12-C13	13.61	164.66	126.42
17	B	845	BCR	C16-C15-C14	13.60	151.33	123.47
17	L	207	BCR	C21-C20-C19	13.59	165.64	123.22
17	L	208	BCR	C21-C20-C19	13.59	165.62	123.22
17	V	101	BCR	C11-C12-C13	13.56	164.52	126.42
17	e	101	BCR	C11-C10-C9	13.55	146.65	127.31
17	A	847	BCR	C21-C20-C19	13.54	165.48	123.22
17	Q	201	BCR	C11-C12-C13	13.54	164.46	126.42
17	B	846	BCR	C16-C15-C14	13.53	151.19	123.47
17	B	847	BCR	C11-C12-C13	13.52	164.41	126.42
17	G	849	BCR	C16-C15-C14	13.49	151.11	123.47
17	J	104	BCR	C11-C12-C13	13.46	164.22	126.42
17	H	844	BCR	C21-C20-C19	13.45	165.19	123.22
17	J	103	BCR	C21-C20-C19	13.40	165.02	123.22
17	A	847	BCR	C11-C12-C13	13.35	163.93	126.42
17	B	842	BCR	C21-C20-C19	13.35	164.86	123.22
17	B	842	BCR	C16-C15-C14	13.30	150.71	123.47
17	f	103	BCR	C21-C20-C19	13.29	164.69	123.22
17	H	843	BCR	C11-C12-C13	13.28	163.73	126.42
17	H	842	BCR	C21-C20-C19	13.28	164.66	123.22
17	B	846	BCR	C21-C20-C19	13.28	164.65	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	848	BCR	C21-C20-C19	13.27	164.63	123.22
17	h	207	BCR	C16-C15-C14	13.25	150.62	123.47
17	i	101	BCR	C11-C12-C13	13.22	163.55	126.42
17	U	1009	BCR	C21-C20-C19	13.22	164.46	123.22
17	Z	845	BCR	C11-C12-C13	13.21	163.54	126.42
17	B	843	BCR	C16-C15-C14	13.20	150.52	123.47
17	B	844	BCR	C21-C20-C19	13.20	164.41	123.22
17	B	842	BCR	C11-C12-C13	13.19	163.47	126.42
17	d	203	BCR	C16-C15-C14	13.19	150.48	123.47
17	G	849	BCR	C11-C10-C9	13.18	146.12	127.31
17	h	202	BCR	C11-C12-C13	13.17	163.42	126.42
17	e	101	BCR	C16-C15-C14	13.16	150.44	123.47
17	G	847	BCR	C16-C15-C14	13.16	150.43	123.47
17	H	843	BCR	C16-C15-C14	13.15	150.42	123.47
17	Y	849	BCR	C16-C15-C14	13.13	150.37	123.47
17	A	847	BCR	C16-C15-C14	13.11	150.33	123.47
17	U	1009	BCR	C11-C10-C9	13.07	145.96	127.31
17	B	843	BCR	C11-C12-C13	13.07	163.12	126.42
17	G	848	BCR	C11-C10-C9	12.99	145.85	127.31
17	Z	843	BCR	C16-C15-C14	12.98	150.07	123.47
17	h	207	BCR	C11-C12-C13	12.98	162.87	126.42
17	Q	201	BCR	C16-C15-C14	12.98	150.05	123.47
17	Q	203	BCR	C16-C15-C14	12.97	150.04	123.47
17	U	1005	BCR	C16-C15-C14	12.97	150.04	123.47
17	Z	846	BCR	C16-C15-C14	12.95	150.00	123.47
17	Y	853	BCR	C11-C12-C13	12.95	162.79	126.42
17	Y	844	BCR	C16-C15-C14	12.93	149.96	123.47
17	R	101	BCR	C11-C10-C9	12.88	145.70	127.31
17	I	102	BCR	C11-C10-C9	12.87	145.67	127.31
17	Y	846	BCR	C21-C20-C19	12.86	163.36	123.22
17	Y	847	BCR	C21-C20-C19	12.86	163.34	123.22
17	S	1104	BCR	C16-C15-C14	12.83	149.76	123.47
17	Y	849	BCR	C11-C10-C9	12.82	145.61	127.31
17	Y	848	BCR	C16-C15-C14	12.81	149.72	123.47
17	Z	845	BCR	C21-C20-C19	12.81	163.19	123.22
17	G	849	BCR	C21-C20-C19	12.80	163.15	123.22
17	F	203	BCR	C11-C12-C13	12.78	162.32	126.42
17	T	102	BCR	C16-C15-C14	12.78	149.65	123.47
17	I	101	BCR	C16-C15-C14	12.74	149.56	123.47
17	S	1104	BCR	C11-C12-C13	12.72	162.15	126.42
17	A	846	BCR	C16-C15-C14	12.68	149.45	123.47
17	H	844	BCR	C11-C12-C13	12.67	162.00	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	J	104	BCR	C16-C15-C14	12.65	149.39	123.47
17	A	851	BCR	C11-C12-C13	12.63	161.88	126.42
17	I	101	BCR	C21-C20-C19	12.60	162.54	123.22
17	Y	853	BCR	C16-C15-C14	12.51	149.11	123.47
17	Q	203	BCR	C11-C12-C13	12.49	161.52	126.42
17	G	845	BCR	C11-C12-C13	12.49	161.51	126.42
17	G	845	BCR	C11-C10-C9	12.48	145.12	127.31
17	Z	847	BCR	C11-C12-C13	12.47	161.44	126.42
17	G	848	BCR	C16-C15-C14	12.45	148.99	123.47
17	L	207	BCR	C11-C10-C9	12.45	145.08	127.31
17	I	102	BCR	C16-C15-C14	12.43	148.93	123.47
17	S	1105	BCR	C16-C15-C14	12.41	148.90	123.47
17	U	1008	BCR	C16-C15-C14	12.34	148.75	123.47
17	I	101	BCR	C11-C10-C9	12.34	144.92	127.31
17	G	846	BCR	C16-C15-C14	12.20	148.47	123.47
17	A	848	BCR	C16-C15-C14	12.17	148.40	123.47
17	h	202	BCR	C16-C15-C14	12.15	148.36	123.47
17	B	850	BCR	C16-C15-C14	12.14	148.35	123.47
17	d	203	BCR	C11-C12-C13	12.13	160.50	126.42
17	Z	843	BCR	C11-C12-C13	12.13	160.50	126.42
17	I	101	BCR	C20-C19-C18	12.12	160.45	126.42
17	L	208	BCR	C16-C15-C14	12.10	148.26	123.47
17	R	101	BCR	C21-C20-C19	12.07	160.87	123.22
17	B	844	BCR	C16-C15-C14	12.01	148.09	123.47
17	R	102	BCR	C11-C10-C9	12.00	144.44	127.31
17	F	203	BCR	C16-C15-C14	12.00	148.06	123.47
17	A	851	BCR	C11-C10-C9	11.99	144.42	127.31
17	Z	845	BCR	C16-C15-C14	11.98	148.00	123.47
17	H	847	BCR	C16-C15-C14	11.96	147.96	123.47
17	Z	848	BCR	C11-C10-C9	11.90	144.29	127.31
17	L	207	BCR	C16-C15-C14	11.89	147.84	123.47
17	G	846	BCR	C11-C12-C13	11.89	159.82	126.42
17	A	850	BCR	C16-C15-C14	11.87	147.79	123.47
17	Y	844	BCR	C21-C20-C19	11.83	160.15	123.22
17	Y	852	BCR	C16-C15-C14	11.82	147.69	123.47
17	Z	843	BCR	C11-C10-C9	11.82	144.18	127.31
17	e	101	BCR	C19-C18-C17	11.81	137.06	118.94
17	J	103	BCR	C11-C12-C13	11.80	159.57	126.42
17	i	101	BCR	C11-C10-C9	11.72	144.04	127.31
17	H	844	BCR	C16-C15-C14	11.71	147.45	123.47
17	H	845	BCR	C16-C15-C14	11.66	147.37	123.47
17	U	1008	BCR	C11-C10-C9	11.65	143.94	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	850	BCR	C16-C15-C14	11.63	147.30	123.47
17	F	201	BCR	C16-C15-C14	11.62	147.27	123.47
17	B	843	BCR	C21-C20-C19	11.60	159.42	123.22
17	B	843	BCR	C11-C10-C9	11.59	143.85	127.31
17	Y	848	BCR	C11-C10-C9	11.55	143.79	127.31
17	R	101	BCR	C20-C19-C18	11.54	158.84	126.42
17	M	101	BCR	C11-C10-C9	11.54	143.78	127.31
17	h	207	BCR	C11-C10-C9	11.50	143.72	127.31
17	A	848	BCR	C11-C10-C9	11.46	143.67	127.31
17	A	851	BCR	C16-C15-C14	11.41	146.84	123.47
17	U	1005	BCR	C11-C10-C9	11.39	143.57	127.31
17	G	847	BCR	C11-C10-C9	11.39	143.56	127.31
17	h	202	BCR	C11-C10-C9	11.38	143.56	127.31
17	M	101	BCR	C16-C15-C14	11.33	146.68	123.47
17	R	101	BCR	C16-C15-C14	11.28	146.57	123.47
17	e	101	BCR	C21-C20-C19	11.27	158.38	123.22
17	B	847	BCR	C16-C15-C14	11.25	146.51	123.47
17	A	849	BCR	C16-C15-C14	11.25	146.51	123.47
17	S	1105	BCR	C21-C20-C19	11.23	158.28	123.22
17	T	102	BCR	C21-C20-C19	11.21	158.19	123.22
17	J	103	BCR	C11-C10-C9	11.17	143.25	127.31
17	U	1009	BCR	C20-C19-C18	11.13	157.68	126.42
17	Y	847	BCR	C16-C15-C14	11.09	146.19	123.47
17	U	1009	BCR	C16-C15-C14	11.05	146.11	123.47
17	J	104	BCR	C11-C10-C9	10.97	142.97	127.31
17	J	103	BCR	C20-C19-C18	10.95	157.17	126.42
17	Z	848	BCR	C16-C15-C14	10.94	145.88	123.47
17	Y	852	BCR	C11-C10-C9	10.93	142.90	127.31
17	f	103	BCR	C16-C15-C14	10.91	145.83	123.47
17	Q	203	BCR	C11-C10-C9	10.90	142.87	127.31
17	Y	846	BCR	C11-C10-C9	10.90	142.87	127.31
17	A	850	BCR	C11-C10-C9	10.88	142.84	127.31
17	G	849	BCR	C20-C19-C18	10.87	156.97	126.42
17	H	844	BCR	C11-C10-C9	10.86	142.80	127.31
17	Y	844	BCR	C20-C19-C18	10.85	156.91	126.42
17	A	846	BCR	C21-C20-C19	10.84	157.06	123.22
17	S	1105	BCR	C20-C19-C18	10.82	156.80	126.42
17	Z	847	BCR	C11-C10-C9	10.75	142.66	127.31
17	B	846	BCR	C20-C19-C18	10.74	156.59	126.42
17	H	842	BCR	C16-C15-C14	10.70	145.40	123.47
17	S	1105	BCR	C11-C10-C9	10.62	142.47	127.31
17	Y	845	BCR	C20-C19-C18	10.61	156.21	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	L	207	BCR	C20-C19-C18	10.57	156.12	126.42
17	Z	845	BCR	C20-C19-C18	10.57	156.11	126.42
17	f	103	BCR	C11-C10-C9	10.52	142.32	127.31
17	A	847	BCR	C20-C19-C18	10.45	155.77	126.42
17	Y	847	BCR	C20-C19-C18	10.40	155.64	126.42
17	Y	849	BCR	C20-C19-C18	10.40	155.63	126.42
17	A	846	BCR	C20-C19-C18	10.37	155.56	126.42
17	A	849	BCR	C11-C10-C9	10.37	142.11	127.31
17	A	851	BCR	C20-C19-C18	10.37	155.54	126.42
17	Y	847	BCR	C11-C10-C9	10.35	142.08	127.31
17	Z	850	BCR	C20-C19-C18	10.34	155.46	126.42
17	e	101	BCR	C20-C19-C18	10.32	155.41	126.42
17	G	846	BCR	C11-C10-C9	10.28	141.98	127.31
17	B	842	BCR	C11-C10-C9	10.27	141.97	127.31
17	R	102	BCR	C16-C15-C14	10.26	144.49	123.47
17	Y	848	BCR	C20-C19-C18	10.25	155.21	126.42
17	Y	845	BCR	C11-C10-C9	10.23	141.91	127.31
17	Y	846	BCR	C20-C19-C18	10.21	155.11	126.42
17	H	842	BCR	C11-C10-C9	10.20	141.87	127.31
17	B	842	BCR	C20-C19-C18	10.20	155.07	126.42
17	A	846	BCR	C24-C23-C22	-10.18	110.86	126.23
17	T	102	BCR	C20-C19-C18	10.17	154.98	126.42
17	Z	846	BCR	C19-C18-C17	10.12	134.48	118.94
17	B	843	BCR	C20-C19-C18	10.10	154.78	126.42
17	L	208	BCR	C20-C19-C18	10.09	154.75	126.42
17	U	1008	BCR	C20-C19-C18	10.01	154.53	126.42
17	G	848	BCR	C20-C19-C18	10.00	154.50	126.42
17	T	102	BCR	C11-C10-C9	9.99	141.57	127.31
17	R	102	BCR	C20-C19-C18	9.97	154.42	126.42
17	f	103	BCR	C20-C19-C18	9.88	154.16	126.42
17	h	202	BCR	C19-C18-C17	9.85	134.06	118.94
14	H	810	CLA	C2D-C1D-ND	9.83	117.34	110.10
17	B	845	BCR	C20-C19-C18	9.80	153.94	126.42
17	Z	844	BCR	C11-C10-C9	9.77	141.25	127.31
17	A	850	BCR	C20-C19-C18	9.76	153.82	126.42
17	Z	847	BCR	C20-C19-C18	9.72	153.72	126.42
17	B	844	BCR	C20-C19-C18	9.69	153.65	126.42
17	Z	850	BCR	C11-C10-C9	9.66	141.09	127.31
17	V	101	BCR	C20-C19-C18	9.63	153.46	126.42
17	A	846	BCR	C11-C10-C9	9.62	141.03	127.31
17	A	847	BCR	C11-C10-C9	9.61	141.03	127.31
17	S	1104	BCR	C20-C19-C18	9.55	153.25	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	847	BCR	C20-C19-C18	9.55	153.25	126.42
17	Q	203	BCR	C20-C19-C18	9.54	153.21	126.42
17	H	842	BCR	C20-C19-C18	9.53	153.19	126.42
17	B	847	BCR	C19-C18-C17	9.53	133.56	118.94
17	G	847	BCR	C20-C19-C18	9.51	153.14	126.42
17	Z	843	BCR	C20-C19-C18	9.51	153.14	126.42
17	Z	848	BCR	C20-C19-C18	9.48	153.06	126.42
14	Z	811	CLA	C2D-C1D-ND	9.43	117.05	110.10
17	H	843	BCR	C11-C10-C9	9.40	140.73	127.31
17	G	846	BCR	C20-C19-C18	9.32	152.60	126.42
17	Z	844	BCR	C20-C19-C18	9.32	152.60	126.42
17	h	202	BCR	C20-C19-C18	9.31	152.56	126.42
14	A	837	CLA	CMD-C2D-C1D	9.30	141.10	124.71
14	G	839	CLA	CMD-C2D-C1D	9.26	141.04	124.71
17	H	843	BCR	C20-C19-C18	9.24	152.38	126.42
14	G	838	CLA	CMD-C2D-C1D	9.23	140.98	124.71
17	i	101	BCR	C20-C19-C18	9.23	152.34	126.42
14	A	812	CLA	CMD-C2D-C1D	9.21	140.94	124.71
17	U	1005	BCR	C20-C19-C18	9.20	152.26	126.42
17	A	848	BCR	C20-C19-C18	9.20	152.25	126.42
17	H	846	BCR	C20-C19-C18	9.17	152.19	126.42
17	H	844	BCR	C20-C19-C18	9.17	152.18	126.42
14	G	835	CLA	CMD-C2D-C1D	9.16	140.86	124.71
14	B	803	CLA	C2D-C1D-ND	9.12	116.83	110.10
17	G	845	BCR	C20-C19-C18	9.10	151.99	126.42
14	A	841	CLA	CMD-C2D-C1D	9.08	140.72	124.71
14	A	814	CLA	CMD-C2D-C1D	9.08	140.71	124.71
17	Y	853	BCR	C11-C10-C9	9.08	140.27	127.31
17	A	848	BCR	C19-C18-C17	9.07	132.85	118.94
17	H	847	BCR	C19-C18-C17	9.04	132.82	118.94
14	Y	813	CLA	CMD-C2D-C1D	9.04	140.64	124.71
14	B	803	CLA	O2D-CGD-CBD	9.03	127.31	111.27
17	A	849	BCR	C20-C19-C18	9.02	151.77	126.42
14	G	832	CLA	CMD-C2D-C1D	9.02	140.62	124.71
17	H	850	BCR	C20-C19-C18	9.02	151.76	126.42
17	H	845	BCR	C20-C19-C18	9.02	151.75	126.42
14	G	815	CLA	CMD-C2D-C1D	9.02	140.60	124.71
14	H	840	CLA	C2D-C1D-ND	8.99	116.73	110.10
14	B	829	CLA	CMD-C2D-C1D	8.98	140.54	124.71
14	B	826	CLA	CMD-C2D-C1D	8.98	140.54	124.71
17	d	203	BCR	C20-C19-C18	8.98	151.63	126.42
17	h	207	BCR	C20-C19-C18	8.95	151.56	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	823	CLA	CMD-C2D-C1D	8.94	140.47	124.71
14	B	806	CLA	CMD-C2D-C1D	8.94	140.46	124.71
17	Q	201	BCR	C20-C19-C18	8.92	151.49	126.42
14	B	803	CLA	CMD-C2D-C1D	8.92	140.43	124.71
14	B	837	CLA	C2D-C1D-ND	8.91	116.67	110.10
14	F	202	CLA	C2D-C1D-ND	8.91	116.67	110.10
17	I	102	BCR	C20-C19-C18	8.91	151.44	126.42
17	H	847	BCR	C20-C19-C18	8.90	151.42	126.42
14	Z	819	CLA	CMD-C2D-C1D	8.89	140.39	124.71
17	L	208	BCR	C11-C10-C9	8.89	140.00	127.31
14	Y	839	CLA	CMD-C2D-C1D	8.89	140.38	124.71
14	Y	822	CLA	CMD-C2D-C1D	8.87	140.35	124.71
17	F	203	BCR	C20-C19-C18	8.86	151.31	126.42
14	G	822	CLA	CMD-C2D-C1D	8.84	140.30	124.71
14	G	823	CLA	CMD-C2D-C1D	8.84	140.29	124.71
17	F	203	BCR	C11-C10-C9	8.83	139.91	127.31
17	B	850	BCR	C11-C10-C9	8.82	139.90	127.31
14	B	835	CLA	CMD-C2D-C1D	8.82	140.25	124.71
14	h	205	CLA	CMD-C2D-C1D	8.81	140.24	124.71
14	T	101	CLA	CMD-C2D-C1D	8.81	140.24	124.71
14	H	831	CLA	CMD-C2D-C1D	8.79	140.21	124.71
14	S	1101	CLA	CMD-C2D-C1D	8.79	140.20	124.71
14	H	809	CLA	C2C-C1C-NC	8.76	118.17	109.97
14	j	102	CLA	CMD-C2D-C1D	8.75	140.14	124.71
14	G	828	CLA	CMD-C2D-C1D	8.75	140.14	124.71
17	M	101	BCR	C20-C19-C18	8.71	150.88	126.42
17	H	850	BCR	C11-C10-C9	8.71	139.74	127.31
14	H	820	CLA	C2D-C1D-ND	8.69	116.50	110.10
13	Y	801	CL0	C4A-NA-C1A	8.68	110.61	106.71
14	K	101	CLA	CMD-C2D-C1D	8.68	140.00	124.71
14	H	831	CLA	C2D-C1D-ND	8.67	116.49	110.10
17	B	850	BCR	C20-C19-C18	8.66	150.75	126.42
14	h	206	CLA	CMD-C2D-C1D	8.66	139.97	124.71
14	H	804	CLA	O2D-CGD-CBD	8.65	126.63	111.27
17	J	104	BCR	C20-C19-C18	8.64	150.69	126.42
14	Y	807	CLA	CMD-C2D-C1D	8.64	139.93	124.71
17	T	102	BCR	C24-C23-C22	-8.63	113.19	126.23
14	H	807	CLA	C2D-C1D-ND	8.62	116.46	110.10
14	A	827	CLA	CMD-C2D-C1D	8.62	139.91	124.71
14	G	814	CLA	CMD-C2D-C1D	8.62	139.90	124.71
14	G	813	CLA	CMD-C2D-C1D	8.61	139.90	124.71
14	A	816	CLA	CMD-C2D-C1D	8.59	139.85	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	815	CLA	CMD-C2D-C1D	8.59	139.85	124.71
17	d	203	BCR	C11-C10-C9	8.58	139.56	127.31
14	Y	820	CLA	CMD-C2D-C1D	8.57	139.82	124.71
14	U	1007	CLA	C2D-C1D-ND	8.57	116.42	110.10
14	Y	819	CLA	CMD-C2D-C1D	8.56	139.81	124.71
14	G	809	CLA	CMD-C2D-C1D	8.56	139.80	124.71
14	B	828	CLA	C2C-C1C-NC	8.53	117.96	109.97
14	Y	825	CLA	CMD-C2D-C1D	8.53	139.74	124.71
14	B	808	CLA	C2C-C1C-NC	8.53	117.96	109.97
17	J	104	BCR	C19-C18-C17	8.52	132.02	118.94
14	H	836	CLA	C2D-C1D-ND	8.52	116.38	110.10
14	A	816	CLA	C2D-C1D-ND	8.49	116.36	110.10
14	H	822	CLA	CMD-C2D-C1D	8.49	139.68	124.71
14	Z	826	CLA	CMD-C2D-C1D	8.49	139.67	124.71
17	B	846	BCR	C37-C22-C21	-8.49	111.04	122.92
17	F	201	BCR	C20-C19-C18	8.49	150.25	126.42
14	G	821	CLA	CMD-C2D-C1D	8.48	139.66	124.71
17	e	101	BCR	C36-C18-C17	-8.47	111.05	122.92
14	G	853	CLA	CMD-C2D-C1D	8.47	139.64	124.71
14	H	835	CLA	CMD-C2D-C1D	8.46	139.63	124.71
14	G	826	CLA	CMD-C2D-C1D	8.46	139.63	124.71
14	L	204	CLA	CMD-C2D-C1D	8.46	139.62	124.71
14	A	826	CLA	CMD-C2D-C1D	8.45	139.61	124.71
14	g	101	CLA	CMD-C2D-C1D	8.44	139.59	124.71
14	H	834	CLA	CMD-C2D-C1D	8.44	139.59	124.71
14	Y	805	CLA	CMD-C2D-C1D	8.44	139.58	124.71
14	H	801	CLA	CMD-C2D-C1D	8.43	139.56	124.71
14	A	817	CLA	CMD-C2D-C1D	8.41	139.54	124.71
14	Y	815	CLA	CMD-C2D-C1D	8.41	139.53	124.71
14	H	804	CLA	C2D-C1D-ND	8.40	116.30	110.10
14	A	824	CLA	CMD-C2D-C1D	8.39	139.50	124.71
14	A	825	CLA	CMD-C2D-C1D	8.39	139.50	124.71
14	Y	804	CLA	CMD-C2D-C1D	8.36	139.46	124.71
14	H	814	CLA	CMD-C2D-C1D	8.36	139.45	124.71
17	Q	203	BCR	C19-C18-C17	8.36	131.77	118.94
14	Z	831	CLA	CMD-C2D-C1D	8.36	139.45	124.71
14	A	818	CLA	CMD-C2D-C1D	8.36	139.45	124.71
14	B	806	CLA	C2C-C1C-NC	8.35	117.79	109.97
14	Z	834	CLA	CMD-C2D-C1D	8.35	139.43	124.71
14	G	812	CLA	CMD-C2D-C1D	8.35	139.42	124.71
14	H	817	CLA	CMD-C2D-C1D	8.33	139.40	124.71
14	G	807	CLA	CMD-C2D-C1D	8.32	139.38	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	826	CLA	C4A-NA-C1A	8.32	110.45	106.71
14	Y	818	CLA	CMD-C2D-C1D	8.31	139.35	124.71
14	B	808	CLA	CMD-C2D-C1D	8.30	139.34	124.71
14	G	816	CLA	CMD-C2D-C1D	8.30	139.33	124.71
14	Y	828	CLA	CMD-C2D-C1D	8.29	139.32	124.71
14	Y	803	CLA	CMD-C2D-C1D	8.29	139.32	124.71
14	Y	803	CLA	O2D-CGD-CBD	8.28	125.99	111.27
14	A	834	CLA	C2D-C1D-ND	8.28	116.21	110.10
14	H	840	CLA	CMD-C2D-C1D	8.28	139.30	124.71
17	Y	852	BCR	C20-C19-C18	8.27	149.66	126.42
14	H	839	CLA	C2D-C1D-ND	8.26	116.19	110.10
14	H	821	CLA	CMD-C2D-C1D	8.26	139.27	124.71
14	B	836	CLA	C2D-C1D-ND	8.26	116.19	110.10
13	A	801	CL0	C4A-NA-C1A	8.25	110.42	106.71
14	B	804	CLA	CMD-C2D-C1D	8.25	139.26	124.71
14	H	816	CLA	CMD-C2D-C1D	8.24	139.23	124.71
14	Y	817	CLA	CMD-C2D-C1D	8.23	139.23	124.71
14	h	205	CLA	C4A-NA-C1A	8.23	110.41	106.71
14	G	805	CLA	C2D-C1D-ND	8.23	116.17	110.10
14	G	817	CLA	CMD-C2D-C1D	8.23	139.21	124.71
17	J	104	BCR	C36-C18-C17	-8.22	111.40	122.92
14	G	808	CLA	C2D-C1D-ND	8.22	116.16	110.10
14	Z	836	CLA	CMD-C2D-C1D	8.20	139.17	124.71
14	B	809	CLA	C2D-C1D-ND	8.19	116.14	110.10
14	H	804	CLA	CMD-C2D-C1D	8.19	139.15	124.71
14	H	833	CLA	CMD-C2D-C1D	8.19	139.15	124.71
14	G	820	CLA	CMD-C2D-C1D	8.19	139.15	124.71
14	B	824	CLA	CMD-C2D-C1D	8.19	139.14	124.71
14	H	825	CLA	C2D-C1D-ND	8.19	116.14	110.10
14	J	101	CLA	CMD-C2D-C1D	8.18	139.14	124.71
14	G	836	CLA	CMD-C2D-C1D	8.18	139.12	124.71
14	G	837	CLA	CMD-C2D-C1D	8.16	139.10	124.71
14	B	814	CLA	CMD-C2D-C1D	8.16	139.09	124.71
17	Y	853	BCR	C20-C19-C18	8.16	149.33	126.42
14	H	815	CLA	C2D-C1D-ND	8.15	116.11	110.10
14	A	823	CLA	CMD-C2D-C1D	8.15	139.08	124.71
14	Z	802	CLA	C2D-C1D-ND	8.15	116.11	110.10
14	B	805	CLA	CMD-C2D-C1D	8.15	139.08	124.71
14	Y	808	CLA	C2D-C1D-ND	8.15	116.11	110.10
14	Z	837	CLA	CMD-C2D-C1D	8.14	139.07	124.71
14	A	826	CLA	C2C-C1C-NC	8.14	117.60	109.97
14	Y	824	CLA	CMD-C2D-C1D	8.14	139.06	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	835	CLA	C2D-C1D-ND	8.14	116.10	110.10
14	G	811	CLA	CMD-C2D-C1D	8.14	139.05	124.71
14	Y	837	CLA	CMD-C2D-C1D	8.14	139.05	124.71
14	B	811	CLA	CMD-C2D-C1D	8.12	139.03	124.71
14	f	101	CLA	CMD-C2D-C1D	8.12	139.02	124.71
14	Z	837	CLA	C2D-C1D-ND	8.12	116.08	110.10
14	H	829	CLA	C2C-C1C-NC	8.10	117.56	109.97
14	Y	832	CLA	CMD-C2D-C1D	8.10	138.99	124.71
14	Z	816	CLA	C2D-C1D-ND	8.10	116.07	110.10
17	B	844	BCR	C11-C10-C9	8.10	138.86	127.31
14	L	205	CLA	CMD-C2D-C1D	8.09	138.98	124.71
14	A	807	CLA	CMD-C2D-C1D	8.09	138.97	124.71
14	G	831	CLA	CMD-C2D-C1D	8.09	138.97	124.71
14	Z	817	CLA	CMD-C2D-C1D	8.09	138.97	124.71
14	A	843	CLA	CMD-C2D-C1D	8.08	138.95	124.71
14	Z	808	CLA	CMD-C2D-C1D	8.08	138.95	124.71
14	A	838	CLA	CMD-C2D-C1D	8.06	138.91	124.71
17	H	846	BCR	C11-C10-C9	8.05	138.80	127.31
14	A	808	CLA	CMD-C2D-C1D	8.05	138.89	124.71
14	B	833	CLA	CMD-C2D-C1D	8.04	138.89	124.71
14	A	835	CLA	CMD-C2D-C1D	8.04	138.88	124.71
14	Z	820	CLA	CMD-C2D-C1D	8.03	138.87	124.71
14	Z	822	CLA	CMD-C2D-C1D	8.03	138.87	124.71
14	B	833	CLA	O2D-CGD-CBD	8.03	125.54	111.27
14	h	206	CLA	C2D-C1D-ND	8.03	116.02	110.10
14	S	1103	CLA	CMD-C2D-C1D	8.03	138.86	124.71
14	H	807	CLA	C4A-NA-C1A	8.02	110.31	106.71
14	Y	829	CLA	CMD-C2D-C1D	8.02	138.84	124.71
14	H	805	CLA	CMD-C2D-C1D	8.02	138.84	124.71
14	A	836	CLA	CMD-C2D-C1D	8.01	138.84	124.71
14	Y	831	CLA	CMD-C2D-C1D	8.01	138.83	124.71
14	Z	828	CLA	CMD-C2D-C1D	8.00	138.82	124.71
14	Z	838	CLA	CMD-C2D-C1D	8.00	138.82	124.71
14	A	842	CLA	CMD-C2D-C1D	8.00	138.81	124.71
14	Y	838	CLA	C2C-C1C-NC	8.00	117.46	109.97
17	Z	846	BCR	C20-C19-C18	7.99	148.86	126.42
14	H	807	CLA	CMD-C2D-C1D	7.97	138.76	124.71
14	A	854	CLA	CMD-C2D-C1D	7.97	138.76	124.71
14	Y	819	CLA	O2D-CGD-CBD	7.96	125.42	111.27
14	Z	841	CLA	CMD-C2D-C1D	7.96	138.74	124.71
14	B	818	CLA	CMD-C2D-C1D	7.95	138.73	124.71
14	B	832	CLA	C2D-C1D-ND	7.95	115.96	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	101	CLA	C2D-C1D-ND	7.95	115.96	110.10
14	B	812	CLA	CMD-C2D-C1D	7.95	138.72	124.71
14	L	206	CLA	C2D-C1D-ND	7.94	115.96	110.10
14	H	811	CLA	CMD-C2D-C1D	7.94	138.71	124.71
14	Y	823	CLA	CMD-C2D-C1D	7.94	138.71	124.71
17	Y	853	BCR	C19-C18-C17	7.94	131.13	118.94
14	Y	810	CLA	CMD-C2D-C1D	7.94	138.71	124.71
14	Y	827	CLA	CMD-C2D-C1D	7.94	138.70	124.71
14	f	102	CLA	CMD-C2D-C1D	7.93	138.69	124.71
14	Y	831	CLA	C2D-C1D-ND	7.93	115.95	110.10
14	Z	801	CLA	C2D-C1D-ND	7.93	115.95	110.10
14	Z	815	CLA	CMD-C2D-C1D	7.93	138.68	124.71
14	Z	824	CLA	CMD-C2D-C1D	7.92	138.68	124.71
14	A	804	CLA	CMD-C2D-C1D	7.92	138.67	124.71
14	Z	839	CLA	CMD-C2D-C1D	7.92	138.67	124.71
17	M	101	BCR	C19-C18-C17	7.92	131.09	118.94
14	A	811	CLA	CMD-C2D-C1D	7.91	138.65	124.71
14	B	827	CLA	CMD-C2D-C1D	7.90	138.64	124.71
14	Y	812	CLA	CMD-C2D-C1D	7.89	138.62	124.71
14	H	851	CLA	CMD-C2D-C1D	7.89	138.61	124.71
14	A	822	CLA	CMD-C2D-C1D	7.88	138.61	124.71
14	d	201	CLA	CMD-C2D-C1D	7.88	138.61	124.71
14	G	819	CLA	CMD-C2D-C1D	7.88	138.60	124.71
14	B	840	CLA	CMD-C2D-C1D	7.88	138.60	124.71
14	A	819	CLA	C2D-C1D-ND	7.88	115.91	110.10
17	B	844	BCR	C19-C18-C17	7.88	131.03	118.94
14	Z	810	CLA	C2D-C1D-ND	7.87	115.91	110.10
17	Z	846	BCR	C36-C18-C17	-7.87	111.89	122.92
14	Y	811	CLA	CMD-C2D-C1D	7.87	138.58	124.71
14	Y	821	CLA	CMD-C2D-C1D	7.87	138.58	124.71
14	A	830	CLA	CMD-C2D-C1D	7.86	138.57	124.71
14	H	819	CLA	CMD-C2D-C1D	7.86	138.57	124.71
13	G	801	CL0	O2A-CGA-O1A	-7.86	103.76	123.59
14	B	801	CLA	CMD-C2D-C1D	7.86	138.56	124.71
14	Y	806	CLA	CMD-C2D-C1D	7.86	138.56	124.71
17	J	103	BCR	C36-C18-C17	-7.85	111.92	122.92
14	G	833	CLA	CMD-C2D-C1D	7.85	138.55	124.71
14	A	843	CLA	C2D-C1D-ND	7.85	115.89	110.10
14	A	806	CLA	CMD-C2D-C1D	7.84	138.54	124.71
17	B	845	BCR	C37-C22-C21	-7.84	111.94	122.92
14	S	1102	CLA	CMD-C2D-C1D	7.84	138.53	124.71
14	Z	827	CLA	CMD-C2D-C1D	7.83	138.51	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	821	CLA	CMD-C2D-C1D	7.82	138.50	124.71
14	A	840	CLA	C2D-C1D-ND	7.82	115.87	110.10
14	G	810	CLA	CMD-C2D-C1D	7.81	138.49	124.71
14	A	828	CLA	CMD-C2D-C1D	7.81	138.48	124.71
17	U	1009	BCR	C37-C22-C21	-7.81	111.98	122.92
14	g	102	CLA	CMD-C2D-C1D	7.80	138.47	124.71
14	Z	805	CLA	C4A-NA-C1A	7.80	110.21	106.71
14	A	829	CLA	CMD-C2D-C1D	7.80	138.45	124.71
14	Y	816	CLA	CMD-C2D-C1D	7.79	138.44	124.71
14	Z	831	CLA	C2D-C1D-ND	7.79	115.84	110.10
14	A	810	CLA	CMD-C2D-C1D	7.78	138.43	124.71
14	B	831	CLA	CMD-C2D-C1D	7.78	138.43	124.71
14	A	829	CLA	C2D-C1D-ND	7.78	115.84	110.10
14	B	810	CLA	CMD-C2D-C1D	7.78	138.42	124.71
14	G	842	CLA	CMD-C2D-C1D	7.77	138.41	124.71
14	B	813	CLA	CMD-C2D-C1D	7.76	138.40	124.71
14	H	827	CLA	C2D-C1D-ND	7.76	115.82	110.10
14	Y	840	CLA	C2D-C1D-ND	7.76	115.82	110.10
14	H	817	CLA	C2D-C1D-ND	7.76	115.82	110.10
14	Z	810	CLA	C4A-NA-C1A	7.76	110.19	106.71
14	H	803	CLA	CMD-C2D-C1D	7.76	138.38	124.71
17	H	844	BCR	C19-C18-C17	7.75	130.83	118.94
14	G	804	CLA	C2D-C1D-ND	7.72	115.79	110.10
14	G	824	CLA	CMD-C2D-C1D	7.71	138.31	124.71
14	Z	805	CLA	CMD-C2D-C1D	7.71	138.29	124.71
14	A	823	CLA	C4A-NA-C1A	7.70	110.17	106.71
14	A	854	CLA	O2D-CGD-CBD	7.70	124.96	111.27
14	B	825	CLA	CMD-C2D-C1D	7.70	138.28	124.71
14	Z	835	CLA	CMD-C2D-C1D	7.69	138.27	124.71
13	G	801	CL0	C2C-C1C-NC	7.69	117.18	109.97
14	Z	806	CLA	CMD-C2D-C1D	7.69	138.27	124.71
14	B	807	CLA	CMD-C2D-C1D	7.69	138.27	124.71
14	A	821	CLA	CMD-C2D-C1D	7.69	138.26	124.71
14	H	830	CLA	CMD-C2D-C1D	7.69	138.26	124.71
14	G	815	CLA	O2D-CGD-CBD	7.69	124.93	111.27
14	B	831	CLA	C2D-C1D-ND	7.69	115.77	110.10
14	Z	810	CLA	CMD-C2D-C1D	7.68	138.26	124.71
14	K	102	CLA	CMD-C2D-C1D	7.68	138.25	124.71
14	A	839	CLA	CMD-C2D-C1D	7.68	138.25	124.71
14	G	830	CLA	C2C-C1C-NC	7.68	117.16	109.97
17	V	101	BCR	C37-C22-C21	-7.67	112.17	122.92
14	G	805	CLA	CMD-C2D-C1D	7.66	138.21	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	820	CLA	CMD-C2D-C1D	7.65	138.20	124.71
14	B	819	CLA	CMD-C2D-C1D	7.65	138.19	124.71
14	H	813	CLA	CMD-C2D-C1D	7.65	138.19	124.71
14	Z	814	CLA	CMD-C2D-C1D	7.64	138.18	124.71
14	B	812	CLA	C2C-C1C-NC	7.63	117.12	109.97
14	H	838	CLA	CMD-C2D-C1D	7.62	138.14	124.71
14	A	823	CLA	C2D-C1D-ND	7.62	115.72	110.10
14	h	201	CLA	CMD-C2D-C1D	7.62	138.14	124.71
14	Y	804	CLA	C2D-C1D-ND	7.62	115.72	110.10
14	Z	825	CLA	C2D-C1D-ND	7.61	115.71	110.10
14	G	829	CLA	CMD-C2D-C1D	7.60	138.11	124.71
14	L	205	CLA	C2D-C1D-ND	7.60	115.71	110.10
14	B	807	CLA	O2D-CGD-CBD	7.59	124.76	111.27
17	h	207	BCR	C24-C23-C22	-7.59	114.76	126.23
14	Z	839	CLA	O2D-CGD-CBD	7.59	124.75	111.27
14	Z	810	CLA	C2C-C1C-NC	7.58	117.07	109.97
14	H	828	CLA	C2D-C1D-ND	7.57	115.69	110.10
14	G	806	CLA	CMD-C2D-C1D	7.57	138.06	124.71
17	L	208	BCR	C19-C18-C17	7.57	130.56	118.94
14	W	1701	CLA	C2D-C1D-ND	7.57	115.68	110.10
14	G	825	CLA	C2C-C1C-NC	7.56	117.06	109.97
14	L	202	CLA	C2D-C1D-ND	7.56	115.67	110.10
17	d	203	BCR	C19-C18-C17	7.56	130.54	118.94
14	B	804	CLA	C4A-NA-C1A	7.56	110.10	106.71
14	f	101	CLA	C4A-NA-C1A	7.55	110.10	106.71
14	Y	809	CLA	CMD-C2D-C1D	7.55	138.02	124.71
14	A	822	CLA	C2D-C1D-ND	7.55	115.67	110.10
14	L	201	CLA	CMD-C2D-C1D	7.54	138.00	124.71
14	H	818	CLA	CMD-C2D-C1D	7.54	138.00	124.71
14	Y	827	CLA	C2D-C1D-ND	7.54	115.66	110.10
14	B	825	CLA	C2D-C1D-ND	7.53	115.66	110.10
14	S	1103	CLA	O2D-CGD-CBD	7.52	124.64	111.27
14	Z	841	CLA	C2D-C1D-ND	7.52	115.65	110.10
13	A	801	CL0	O2A-CGA-O1A	-7.52	104.61	123.59
14	h	205	CLA	C2C-C1C-NC	7.52	117.01	109.97
14	B	822	CLA	CMD-C2D-C1D	7.52	137.96	124.71
14	Z	836	CLA	C2D-C1D-ND	7.51	115.64	110.10
14	G	826	CLA	C2C-C1C-NC	7.50	117.00	109.97
17	L	207	BCR	C24-C23-C22	-7.50	114.90	126.23
14	Z	809	CLA	C2D-C1D-ND	7.50	115.63	110.10
17	F	201	BCR	C24-C23-C22	-7.50	114.91	126.23
17	S	1104	BCR	C19-C18-C17	7.50	130.44	118.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	840	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	G	814	CLA	CAA-C2A-C3A	-7.50	92.25	112.78
14	H	810	CLA	C4A-NA-C1A	7.49	110.08	106.71
14	H	806	CLA	CMD-C2D-C1D	7.49	137.92	124.71
17	F	201	BCR	C19-C18-C17	7.48	130.43	118.94
14	B	834	CLA	CMD-C2D-C1D	7.48	137.90	124.71
13	Y	801	CL0	C2C-C1C-NC	7.48	116.98	109.97
14	G	818	CLA	C2D-C1D-ND	7.48	115.61	110.10
14	Z	817	CLA	C2D-C1D-ND	7.47	115.61	110.10
17	Z	845	BCR	C19-C18-C17	7.47	130.41	118.94
17	Y	852	BCR	C24-C23-C22	-7.47	114.94	126.23
14	H	811	CLA	C2D-C1D-ND	7.47	115.61	110.10
14	Y	835	CLA	CMD-C2D-C1D	7.47	137.88	124.71
14	B	816	CLA	CMD-C2D-C1D	7.46	137.87	124.71
17	G	847	BCR	C19-C18-C17	7.46	130.39	118.94
14	Z	801	CLA	CMD-C2D-C1D	7.46	137.86	124.71
14	U	1002	CLA	C2D-C1D-ND	7.46	115.60	110.10
17	F	203	BCR	C19-C18-C17	7.45	130.37	118.94
14	H	809	CLA	C4A-NA-C1A	7.45	110.05	106.71
14	G	804	CLA	CMD-C2D-C1D	7.44	137.83	124.71
14	A	833	CLA	CMD-C2D-C1D	7.44	137.83	124.71
14	A	838	CLA	C2C-C1C-NC	7.44	116.94	109.97
14	H	809	CLA	CMD-C2D-C1D	7.44	137.82	124.71
14	G	827	CLA	C2D-C1D-ND	7.43	115.58	110.10
17	A	850	BCR	C19-C18-C17	7.42	130.33	118.94
14	Z	816	CLA	CMD-C2D-C1D	7.42	137.79	124.71
14	Y	841	CLA	C2D-C1D-ND	7.42	115.57	110.10
14	B	828	CLA	CMD-C2D-C1D	7.41	137.78	124.71
17	H	847	BCR	C36-C18-C17	-7.41	112.54	122.92
14	Z	829	CLA	C2D-C1D-ND	7.40	115.56	110.10
14	A	815	CLA	C2D-C1D-ND	7.40	115.56	110.10
14	H	812	CLA	CMD-C2D-C1D	7.40	137.75	124.71
14	H	851	CLA	C2D-C1D-ND	7.39	115.55	110.10
14	Z	830	CLA	CMD-C2D-C1D	7.38	137.73	124.71
14	A	805	CLA	C2D-C1D-ND	7.38	115.55	110.10
14	J	102	CLA	CMD-C2D-C1D	7.38	137.72	124.71
14	U	1006	CLA	CMD-C2D-C1D	7.38	137.72	124.71
14	Z	833	CLA	CMD-C2D-C1D	7.38	137.72	124.71
14	G	841	CLA	C2C-C1C-NC	7.37	116.88	109.97
14	T	103	CLA	CMD-C2D-C1D	7.37	137.70	124.71
14	H	839	CLA	CMD-C2D-C1D	7.36	137.69	124.71
14	Z	827	CLA	C2C-C1C-NC	7.36	116.87	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	832	CLA	CMD-C2D-C1D	7.36	137.68	124.71
14	A	836	CLA	C2D-C1D-ND	7.35	115.52	110.10
14	U	1004	CLA	C2D-C1D-ND	7.35	115.52	110.10
14	Z	826	CLA	C2D-C1D-ND	7.35	115.52	110.10
14	Y	838	CLA	CMD-C2D-C1D	7.35	137.66	124.71
14	L	202	CLA	CMD-C2D-C1D	7.34	137.65	124.71
14	Z	818	CLA	CMD-C2D-C1D	7.34	137.65	124.71
14	G	806	CLA	C2D-C1D-ND	7.34	115.51	110.10
17	h	207	BCR	C19-C18-C17	7.34	130.20	118.94
14	Y	836	CLA	CMD-C2D-C1D	7.34	137.64	124.71
14	Z	810	CLA	C1C-C2C-C3C	-7.32	99.26	106.96
14	A	834	CLA	CMD-C2D-C1D	7.32	137.61	124.71
17	V	101	BCR	C19-C18-C17	7.32	130.17	118.94
14	Z	814	CLA	C2D-C1D-ND	7.31	115.49	110.10
14	Z	821	CLA	CMD-C2D-C1D	7.31	137.60	124.71
14	H	825	CLA	CMD-C2D-C1D	7.31	137.60	124.71
14	A	839	CLA	C2D-C1D-ND	7.31	115.49	110.10
14	H	822	CLA	C2D-C1D-ND	7.31	115.49	110.10
14	X	1701	CLA	CMD-C2D-C1D	7.30	137.59	124.71
14	H	839	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	B	839	CLA	C2D-C1D-ND	7.30	115.48	110.10
14	Z	836	CLA	O2D-CGD-CBD	7.29	124.23	111.27
14	Z	816	CLA	C4A-NA-C1A	7.29	109.98	106.71
13	A	801	CL0	CMD-C2D-C1D	7.29	137.56	124.71
14	Y	810	CLA	C2D-C1D-ND	7.28	115.47	110.10
14	Y	820	CLA	C2D-C1D-ND	7.28	115.47	110.10
14	Z	811	CLA	CMD-C2D-C1D	7.28	137.55	124.71
14	W	1701	CLA	CMD-C2D-C1D	7.28	137.54	124.71
14	J	101	CLA	C2D-C1D-ND	7.28	115.47	110.10
14	Z	803	CLA	C2D-C1D-ND	7.28	115.47	110.10
14	H	833	CLA	C2C-C1C-NC	7.28	116.79	109.97
14	B	837	CLA	CMD-C2D-C1D	7.28	137.54	124.71
14	H	837	CLA	CMD-C2D-C1D	7.28	137.54	124.71
17	Z	847	BCR	C19-C18-C17	7.28	130.10	118.94
14	Y	824	CLA	C2D-C1D-ND	7.27	115.47	110.10
14	Y	840	CLA	CMD-C2D-C1D	7.27	137.52	124.71
17	G	846	BCR	C19-C18-C17	7.26	130.09	118.94
14	A	818	CLA	C2D-C1D-ND	7.26	115.46	110.10
14	B	830	CLA	CMD-C2D-C1D	7.26	137.50	124.71
14	Z	805	CLA	C2D-C1D-ND	7.26	115.45	110.10
14	Y	802	CLA	CMD-C2D-C1D	7.25	137.48	124.71
14	Y	813	CLA	C2D-C1D-ND	7.24	115.44	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	840	CLA	C4A-NA-C1A	7.24	109.96	106.71
17	f	103	BCR	C19-C18-C17	7.24	130.05	118.94
14	h	205	CLA	C2D-C1D-ND	7.24	115.44	110.10
14	K	102	CLA	C2D-C1D-ND	7.23	115.43	110.10
14	G	840	CLA	C2D-C1D-ND	7.23	115.43	110.10
14	H	824	CLA	CMD-C2D-C1D	7.23	137.45	124.71
14	Z	825	CLA	CMD-C2D-C1D	7.22	137.43	124.71
14	B	835	CLA	C2C-C1C-NC	7.21	116.73	109.97
14	B	828	CLA	C1C-C2C-C3C	-7.21	99.37	106.96
14	L	201	CLA	C2D-C1D-ND	7.21	115.42	110.10
14	A	808	CLA	C2C-C1C-NC	7.20	116.72	109.97
14	Z	839	CLA	C2C-C1C-NC	7.20	116.72	109.97
14	A	805	CLA	O2D-CGD-CBD	7.20	124.06	111.27
14	B	808	CLA	C1C-C2C-C3C	-7.20	99.39	106.96
14	A	808	CLA	C2D-C1D-ND	7.19	115.40	110.10
14	Y	812	CLA	C2D-C1D-ND	7.19	115.40	110.10
14	H	801	CLA	C2D-C1D-ND	7.19	115.40	110.10
17	T	102	BCR	C19-C18-C17	7.18	129.96	118.94
14	j	102	CLA	C2C-C1C-NC	7.18	116.70	109.97
17	U	1005	BCR	C19-C18-C17	7.18	129.95	118.94
14	Z	803	CLA	CMD-C2D-C1D	7.18	137.36	124.71
17	H	846	BCR	C19-C18-C17	7.17	129.95	118.94
14	B	815	CLA	CMD-C2D-C1D	7.17	137.36	124.71
14	Y	804	CLA	C4A-NA-C1A	7.17	109.93	106.71
14	H	831	CLA	C4A-NA-C1A	7.17	109.93	106.71
14	A	809	CLA	O2D-CGD-CBD	7.17	124.01	111.27
14	Y	814	CLA	CMD-C2D-C1D	7.17	137.35	124.71
14	H	826	CLA	C2D-C1D-ND	7.15	115.38	110.10
14	Y	834	CLA	CMD-C2D-C1D	7.15	137.31	124.71
14	Y	830	CLA	CMD-C2D-C1D	7.15	137.31	124.71
14	G	828	CLA	C2D-C1D-ND	7.15	115.37	110.10
17	H	843	BCR	C19-C18-C17	7.15	129.91	118.94
14	H	802	CLA	C2D-C1D-ND	7.14	115.37	110.10
14	Q	202	CLA	C2D-C1D-ND	7.14	115.37	110.10
14	Z	818	CLA	C2C-C1C-NC	7.14	116.66	109.97
14	A	828	CLA	C2D-C1D-ND	7.14	115.36	110.10
14	B	815	CLA	C2C-C1C-NC	7.14	116.66	109.97
14	G	803	CLA	CMD-C2D-C1D	7.14	137.29	124.71
14	H	840	CLA	C1D-ND-C4D	-7.14	101.27	106.33
14	G	825	CLA	CMD-C2D-C1D	7.14	137.29	124.71
14	B	813	CLA	C2D-C1D-ND	7.13	115.36	110.10
14	Y	817	CLA	C2D-C1D-ND	7.13	115.36	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	802	CLA	CMD-C2D-C1D	7.12	137.27	124.71
14	Z	832	CLA	C2D-C1D-ND	7.12	115.35	110.10
14	H	831	CLA	C1D-ND-C4D	-7.12	101.28	106.33
14	H	829	CLA	CMD-C2D-C1D	7.12	137.26	124.71
14	A	812	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	B	801	CLA	C2C-C1C-NC	7.11	116.63	109.97
14	Y	803	CLA	C2D-C1D-ND	7.11	115.34	110.10
14	G	818	CLA	CMD-C2D-C1D	7.11	137.24	124.71
14	G	840	CLA	CMD-C2D-C1D	7.10	137.23	124.71
14	H	828	CLA	CMD-C2D-C1D	7.10	137.23	124.71
17	L	208	BCR	C34-C9-C10	-7.10	112.98	122.92
14	A	823	CLA	C2C-C1C-NC	7.10	116.62	109.97
14	Z	830	CLA	C4A-NA-C1A	7.10	109.90	106.71
14	Z	813	CLA	C2D-C1D-ND	7.09	115.33	110.10
14	H	824	CLA	C2C-C1C-NC	7.09	116.62	109.97
14	A	840	CLA	CMD-C2D-C1D	7.09	137.21	124.71
14	Z	801	CLA	O2A-C1-C2	7.08	127.24	108.64
14	Y	839	CLA	C2D-C1D-ND	7.08	115.32	110.10
14	H	816	CLA	C2D-C1D-ND	7.07	115.31	110.10
14	U	1002	CLA	C4A-NA-C1A	7.07	109.88	106.71
14	Y	805	CLA	O2D-CGD-CBD	7.06	123.82	111.27
14	Y	836	CLA	C2C-C1C-NC	7.06	116.58	109.97
14	Z	830	CLA	C2D-C1D-ND	7.05	115.30	110.10
14	H	827	CLA	CMD-C2D-C1D	7.05	137.14	124.71
14	G	834	CLA	CMD-C2D-C1D	7.05	137.13	124.71
13	Y	801	CL0	CMD-C2D-C1D	7.04	137.12	124.71
14	B	840	CLA	C2D-C1D-ND	7.04	115.29	110.10
14	Y	831	CLA	O2D-CGD-CBD	7.04	123.77	111.27
14	B	833	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	Z	832	CLA	CMD-C2D-C1D	7.03	137.11	124.71
14	G	833	CLA	C2D-C1D-ND	7.03	115.29	110.10
14	A	820	CLA	CMD-C2D-C1D	7.03	137.10	124.71
14	Z	812	CLA	CMD-C2D-C1D	7.02	137.09	124.71
14	A	827	CLA	C1D-ND-C4D	-7.02	101.35	106.33
14	Z	838	CLA	C2D-C1D-ND	7.02	115.28	110.10
14	A	802	CLA	CMD-C2D-C1D	7.02	137.08	124.71
14	Z	832	CLA	C4A-NA-C1A	7.02	109.86	106.71
17	M	101	BCR	C36-C18-C17	-7.01	113.11	122.92
13	G	801	CL0	C4A-NA-C1A	7.00	109.86	106.71
17	d	203	BCR	C12-C13-C14	7.00	129.69	118.94
14	Y	818	CLA	C2D-C1D-ND	7.00	115.27	110.10
14	A	819	CLA	CMD-C2D-C1D	7.00	137.05	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	834	CLA	C2D-C1D-ND	7.00	115.26	110.10
14	Z	809	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	G	813	CLA	C2D-C1D-ND	6.99	115.26	110.10
14	G	842	CLA	C2D-C1D-ND	6.99	115.26	110.10
14	A	809	CLA	CMD-C2D-C1D	6.99	137.03	124.71
13	G	801	CL0	CMD-C2D-C1D	6.99	137.03	124.71
14	A	834	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	h	205	CLA	C1D-ND-C4D	-6.98	101.38	106.33
14	H	823	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	H	829	CLA	C1C-C2C-C3C	-6.98	99.62	106.96
14	A	820	CLA	C2D-C1D-ND	6.97	115.24	110.10
14	U	1006	CLA	C2D-C1D-ND	6.97	115.24	110.10
14	H	820	CLA	CMD-C2D-C1D	6.97	136.99	124.71
17	Q	203	BCR	C12-C13-C14	6.97	129.63	118.94
17	U	1009	BCR	C19-C18-C17	6.96	129.62	118.94
14	A	817	CLA	C2C-C1C-NC	6.95	116.48	109.97
14	Y	816	CLA	O2D-CGD-CBD	6.95	123.62	111.27
14	B	802	CLA	CMD-C2D-C1D	6.95	136.96	124.71
14	B	839	CLA	CMD-C2D-C1D	6.94	136.95	124.71
14	L	204	CLA	C2D-C1D-ND	6.94	115.22	110.10
14	Y	819	CLA	C2D-C1D-ND	6.94	115.22	110.10
14	A	812	CLA	C2C-C1C-NC	6.94	116.47	109.97
14	d	201	CLA	O2D-CGD-CBD	6.94	123.59	111.27
17	L	208	BCR	C37-C22-C21	-6.94	113.21	122.92
14	Z	840	CLA	C2D-C1D-ND	6.93	115.21	110.10
14	B	831	CLA	C2C-C1C-NC	6.93	116.46	109.97
14	B	836	CLA	CMD-C2D-C1D	6.93	136.92	124.71
14	A	813	CLA	C2C-C1C-NC	6.92	116.46	109.97
14	G	808	CLA	CMD-C2D-C1D	6.92	136.91	124.71
14	Z	803	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	H	802	CLA	CMD-C2D-C1D	6.92	136.91	124.71
14	Y	830	CLA	O2D-CGD-CBD	6.91	123.55	111.27
14	Z	824	CLA	C2C-C1C-NC	6.91	116.44	109.97
14	G	808	CLA	O2D-CGD-CBD	6.90	123.54	111.27
14	A	816	CLA	C1D-ND-C4D	-6.90	101.43	106.33
14	F	202	CLA	CMD-C2D-C1D	6.90	136.88	124.71
14	A	843	CLA	O2A-CGA-O1A	-6.89	106.20	123.59
14	Y	807	CLA	C2D-C1D-ND	6.88	115.18	110.10
14	G	830	CLA	O2A-C1-C2	6.88	126.72	108.64
14	B	820	CLA	C2C-C1C-NC	6.88	116.42	109.97
14	U	1002	CLA	C2C-C1C-NC	6.88	116.42	109.97
14	A	809	CLA	C2D-C1D-ND	6.88	115.17	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	d	202	CLA	C2D-C1D-ND	6.88	115.17	110.10
14	A	834	CLA	C1D-ND-C4D	-6.88	101.45	106.33
14	H	830	CLA	C2D-C1D-ND	6.87	115.17	110.10
14	B	823	CLA	CMD-C2D-C1D	6.87	136.83	124.71
14	H	832	CLA	C2D-C1D-ND	6.87	115.17	110.10
17	Y	853	BCR	C36-C18-C17	-6.87	113.30	122.92
14	Z	830	CLA	C2C-C1C-NC	6.87	116.41	109.97
17	e	101	BCR	C37-C22-C21	-6.87	113.31	122.92
14	Z	821	CLA	C2D-C1D-ND	6.86	115.16	110.10
17	B	850	BCR	C19-C18-C17	6.86	129.46	118.94
14	Y	826	CLA	CMD-C2D-C1D	6.86	136.79	124.71
14	Z	806	CLA	C2C-C1C-NC	6.86	116.39	109.97
14	Y	814	CLA	C2D-C1D-ND	6.85	115.16	110.10
14	G	814	CLA	C2D-C1D-ND	6.85	115.15	110.10
14	G	835	CLA	C2D-C1D-ND	6.85	115.15	110.10
17	Q	203	BCR	C37-C22-C21	-6.85	113.33	122.92
14	Y	833	CLA	CMD-C2D-C1D	6.85	136.78	124.71
14	Y	826	CLA	C2C-C1C-NC	6.85	116.39	109.97
17	Y	847	BCR	C19-C18-C17	6.84	129.44	118.94
14	G	837	CLA	C2C-C1C-NC	6.84	116.38	109.97
14	G	833	CLA	C2C-C1C-NC	6.84	116.38	109.97
14	A	805	CLA	CMD-C2D-C1D	6.84	136.77	124.71
14	A	821	CLA	C2C-C1C-NC	6.84	116.38	109.97
14	h	204	CLA	C2D-C1D-ND	6.84	115.14	110.10
14	U	1002	CLA	CMD-C2D-C1D	6.83	136.75	124.71
14	Y	841	CLA	C2C-C1C-NC	6.83	116.37	109.97
14	G	804	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	A	811	CLA	C2C-C1C-NC	6.83	116.37	109.97
14	Y	821	CLA	C2D-C1D-ND	6.82	115.13	110.10
17	B	845	BCR	C36-C18-C17	-6.82	113.37	122.92
14	F	202	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	Z	805	CLA	C2C-C1C-NC	6.81	116.35	109.97
14	Y	815	CLA	C2D-C1D-ND	6.81	115.12	110.10
14	H	824	CLA	O2D-CGD-CBD	6.81	123.36	111.27
14	A	841	CLA	C2D-C1D-ND	6.81	115.12	110.10
17	S	1104	BCR	C34-C9-C10	-6.80	113.40	122.92
14	A	813	CLA	CMD-C2D-C1D	6.79	136.68	124.71
14	B	814	CLA	C2D-C1D-ND	6.79	115.11	110.10
14	G	811	CLA	C2C-C1C-NC	6.78	116.33	109.97
14	Z	827	CLA	C2D-C1D-ND	6.78	115.10	110.10
14	H	815	CLA	CMD-C2D-C1D	6.78	136.66	124.71
14	A	817	CLA	C4A-NA-C1A	6.78	109.75	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	809	CLA	C2D-C1D-ND	6.77	115.10	110.10
14	B	806	CLA	O2D-CGD-CBD	6.77	123.30	111.27
14	H	838	CLA	C2D-C1D-ND	6.77	115.09	110.10
14	U	1004	CLA	CMD-C2D-C1D	6.77	136.65	124.71
13	A	801	CL0	C2C-C1C-NC	6.77	116.31	109.97
14	Z	840	CLA	CMD-C2D-C1D	6.77	136.64	124.71
17	U	1008	BCR	C19-C18-C17	6.76	129.31	118.94
14	H	831	CLA	C2C-C1C-NC	6.76	116.30	109.97
17	A	849	BCR	C19-C18-C17	6.76	129.31	118.94
17	A	848	BCR	C36-C18-C17	-6.76	113.46	122.92
14	B	817	CLA	CMD-C2D-C1D	6.75	136.61	124.71
14	H	820	CLA	C2C-C1C-NC	6.75	116.30	109.97
14	A	806	CLA	C2D-C1D-ND	6.75	115.08	110.10
17	B	845	BCR	C23-C22-C21	6.75	129.29	118.94
17	U	1009	BCR	C27-C26-C25	-6.74	112.94	122.73
14	H	819	CLA	C2D-C1D-ND	6.74	115.07	110.10
14	G	810	CLA	C2C-C1C-NC	6.74	116.29	109.97
14	H	804	CLA	C1D-ND-C4D	-6.74	101.55	106.33
14	Y	823	CLA	O2D-CGD-CBD	6.74	123.24	111.27
14	A	827	CLA	C2D-C1D-ND	6.73	115.06	110.10
14	G	831	CLA	C2D-C1D-ND	6.73	115.06	110.10
14	f	102	CLA	C2D-C1D-ND	6.73	115.06	110.10
14	B	840	CLA	C4A-NA-C1A	6.73	109.73	106.71
14	G	824	CLA	C2D-C1D-ND	6.73	115.06	110.10
14	G	809	CLA	C2D-C1D-ND	6.73	115.06	110.10
14	G	823	CLA	C2D-C1D-ND	6.73	115.06	110.10
14	Z	813	CLA	C2C-C1C-NC	6.72	116.27	109.97
14	A	833	CLA	C2C-C1C-NC	6.72	116.27	109.97
14	B	823	CLA	C2C-C1C-NC	6.72	116.27	109.97
14	Z	825	CLA	C2C-C1C-NC	6.72	116.27	109.97
14	A	832	CLA	C2D-C1D-ND	6.71	115.05	110.10
14	H	830	CLA	O2D-CGD-CBD	6.70	123.18	111.27
14	H	817	CLA	O2A-CGA-O1A	-6.70	106.68	123.59
14	G	816	CLA	C2C-C1C-NC	6.70	116.25	109.97
14	d	201	CLA	C2D-C1D-ND	6.70	115.04	110.10
14	G	822	CLA	C2C-C1C-NC	6.70	116.25	109.97
14	Y	832	CLA	C2C-C1C-NC	6.70	116.25	109.97
14	T	103	CLA	C2D-C1D-ND	6.70	115.04	110.10
17	B	847	BCR	C36-C18-C17	-6.70	113.54	122.92
14	Z	818	CLA	O2A-CGA-O1A	-6.70	106.69	123.59
14	B	803	CLA	C2C-C1C-NC	6.69	116.24	109.97
14	Y	822	CLA	C2D-C1D-ND	6.69	115.04	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	835	CLA	C2D-C1D-ND	6.69	115.04	110.10
14	G	819	CLA	C2C-C1C-NC	6.69	116.24	109.97
14	H	805	CLA	C2C-C1C-NC	6.69	116.24	109.97
14	G	841	CLA	CMD-C2D-C1D	6.69	136.50	124.71
17	B	846	BCR	C11-C10-C9	6.68	136.85	127.31
14	H	838	CLA	O2D-CGD-CBD	6.68	123.14	111.27
17	I	102	BCR	C19-C18-C17	6.68	129.19	118.94
14	H	834	CLA	C2C-C1C-NC	6.68	116.23	109.97
14	Z	832	CLA	C2C-C1C-NC	6.67	116.22	109.97
14	Y	808	CLA	CMD-C2D-C1D	6.67	136.47	124.71
13	G	801	CL0	C1C-C2C-C3C	-6.67	99.94	106.96
14	A	802	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	G	821	CLA	C2D-C1D-ND	6.67	115.02	110.10
14	G	842	CLA	O2D-CGD-CBD	6.67	123.11	111.27
14	H	805	CLA	C2D-C1D-ND	6.66	115.01	110.10
14	G	838	CLA	C2C-C1C-NC	6.66	116.21	109.97
17	U	1009	BCR	C24-C23-C22	-6.66	116.17	126.23
14	G	835	CLA	C2C-C1C-NC	6.66	116.21	109.97
14	S	1102	CLA	C2C-C1C-NC	6.66	116.21	109.97
14	B	805	CLA	C2C-C1C-NC	6.65	116.20	109.97
14	Q	202	CLA	C2C-C1C-NC	6.65	116.20	109.97
17	A	851	BCR	C34-C9-C10	-6.65	113.61	122.92
17	L	207	BCR	C19-C18-C17	6.65	129.14	118.94
17	S	1104	BCR	C36-C18-C17	-6.64	113.61	122.92
14	Y	826	CLA	C2D-C1D-ND	6.64	115.00	110.10
14	Y	837	CLA	C2C-C1C-NC	6.64	116.19	109.97
14	B	801	CLA	C1C-C2C-C3C	-6.64	99.98	106.96
17	F	201	BCR	C36-C18-C17	-6.63	113.63	122.92
14	Z	831	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	Q	202	CLA	CMD-C2D-C1D	6.63	136.39	124.71
14	Z	813	CLA	CMD-C2D-C1D	6.62	136.38	124.71
14	Y	833	CLA	O2D-CGD-CBD	6.62	123.03	111.27
17	V	101	BCR	C24-C23-C22	-6.62	116.23	126.23
14	A	840	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	Y	820	CLA	O2D-CGD-CBD	6.61	123.01	111.27
14	Z	827	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	B	814	CLA	O2D-CGD-CBD	6.60	123.00	111.27
14	G	832	CLA	C2D-C1D-ND	6.60	114.97	110.10
14	Z	808	CLA	C2D-C1D-ND	6.59	114.96	110.10
14	B	819	CLA	C2C-C1C-NC	6.59	116.15	109.97
14	Y	805	CLA	C2C-C1C-NC	6.59	116.14	109.97
14	G	812	CLA	C2D-C1D-ND	6.59	114.96	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	1003	CLA	C2D-C1D-ND	6.59	114.96	110.10
14	h	206	CLA	C1D-ND-C4D	-6.59	101.66	106.33
14	H	807	CLA	C1D-ND-C4D	-6.58	101.66	106.33
14	A	831	CLA	C2D-C1D-ND	6.58	114.95	110.10
17	J	104	BCR	C24-C23-C22	-6.58	116.30	126.23
14	B	816	CLA	C2D-C1D-ND	6.58	114.95	110.10
14	B	832	CLA	CMD-C2D-C1D	6.58	136.30	124.71
14	Z	805	CLA	O2D-CGD-CBD	6.58	122.95	111.27
17	B	845	BCR	C19-C18-C17	6.57	129.03	118.94
14	H	818	CLA	C2D-C1D-ND	6.57	114.94	110.10
14	Y	833	CLA	C2C-C1C-NC	6.57	116.13	109.97
17	B	846	BCR	C36-C18-C17	-6.56	113.73	122.92
14	H	828	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	G	804	CLA	O2D-CGD-CBD	6.56	122.93	111.27
14	H	808	CLA	O2D-CGD-CBD	6.56	122.93	111.27
14	h	201	CLA	C2D-C1D-ND	6.56	114.94	110.10
14	J	102	CLA	O2D-CGD-CBD	6.56	122.93	111.27
14	B	815	CLA	C2D-C1D-ND	6.56	114.94	110.10
17	H	843	BCR	C36-C18-C17	-6.56	113.74	122.92
14	Z	809	CLA	O2D-CGD-CBD	6.56	122.92	111.27
14	B	829	CLA	C2D-C1D-ND	6.56	114.94	110.10
14	G	833	CLA	O2D-CGD-CBD	6.55	122.91	111.27
14	Y	804	CLA	C1C-C2C-C3C	-6.55	100.07	106.96
14	T	103	CLA	C2C-C1C-NC	6.55	116.11	109.97
14	L	206	CLA	C1D-ND-C4D	-6.55	101.68	106.33
14	Z	809	CLA	CMD-C2D-C1D	6.55	136.25	124.71
14	Z	822	CLA	C2D-C1D-ND	6.55	114.93	110.10
14	Z	804	CLA	CMD-C2D-C1D	6.54	136.24	124.71
14	H	830	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	B	810	CLA	C2D-C1D-ND	6.54	114.92	110.10
14	B	823	CLA	C2D-C1D-ND	6.54	114.92	110.10
14	H	851	CLA	O2D-CGD-CBD	6.54	122.88	111.27
14	H	851	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	A	831	CLA	C2C-C1C-NC	6.53	116.09	109.97
14	B	828	CLA	C2D-C1D-ND	6.53	114.92	110.10
17	R	102	BCR	C23-C24-C25	-6.53	108.86	127.20
14	Z	829	CLA	CMD-C2D-C1D	6.52	136.21	124.71
14	A	806	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	Y	824	CLA	O2D-CGD-CBD	6.52	122.86	111.27
14	h	204	CLA	CMD-C2D-C1D	6.52	136.20	124.71
14	B	829	CLA	C2C-C1C-NC	6.52	116.08	109.97
14	B	838	CLA	CMD-C2D-C1D	6.52	136.20	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	833	CLA	C1C-C2C-C3C	-6.52	100.11	106.96
14	Z	807	CLA	C2D-C1D-ND	6.52	114.91	110.10
14	Z	823	CLA	C2C-C1C-NC	6.52	116.08	109.97
14	H	810	CLA	C3D-C2D-C1D	-6.51	96.94	105.83
14	d	202	CLA	C2C-C1C-NC	6.51	116.07	109.97
14	H	838	CLA	O2A-CGA-O1A	-6.51	107.08	123.30
14	B	808	CLA	C2D-C1D-ND	6.51	114.90	110.10
17	B	850	BCR	C34-C9-C10	-6.50	113.81	122.92
14	B	812	CLA	C2D-C1D-ND	6.50	114.90	110.10
17	Y	847	BCR	C36-C18-C17	-6.50	113.81	122.92
14	A	835	CLA	C2D-C1D-ND	6.50	114.89	110.10
14	A	829	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	Z	840	CLA	C2C-C1C-NC	6.50	116.06	109.97
14	B	813	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	Z	834	CLA	C2C-C1C-NC	6.49	116.05	109.97
14	A	854	CLA	C2D-C1D-ND	6.49	114.89	110.10
14	Z	834	CLA	C2D-C1D-ND	6.49	114.89	110.10
14	h	206	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	H	826	CLA	CMD-C2D-C1D	6.49	136.14	124.71
14	B	803	CLA	C1D-ND-C4D	-6.48	101.73	106.33
14	Y	831	CLA	C2C-C1C-NC	6.48	116.04	109.97
14	G	804	CLA	C2C-C1C-NC	6.48	116.04	109.97
17	A	847	BCR	C19-C18-C17	6.48	128.88	118.94
14	B	807	CLA	C2C-C1C-NC	6.48	116.04	109.97
14	Y	816	CLA	C2C-C1C-NC	6.47	116.04	109.97
17	B	846	BCR	C19-C18-C17	6.47	128.87	118.94
14	H	808	CLA	CMD-C2D-C1D	6.47	136.12	124.71
14	G	818	CLA	C2C-C1C-NC	6.47	116.03	109.97
14	G	802	CLA	C2D-C1D-ND	6.47	114.87	110.10
14	G	834	CLA	C2D-C1D-ND	6.47	114.87	110.10
14	Y	841	CLA	CMD-C2D-C1D	6.47	136.11	124.71
14	H	802	CLA	O2A-CGA-O1A	-6.47	107.27	123.59
14	B	839	CLA	C1D-ND-C4D	-6.47	101.74	106.33
14	S	1103	CLA	C2C-C1C-NC	6.46	116.03	109.97
14	H	838	CLA	C2C-C1C-NC	6.46	116.02	109.97
14	B	835	CLA	C1C-C2C-C3C	-6.46	100.17	106.96
14	L	201	CLA	C2C-C1C-NC	6.46	116.02	109.97
14	A	817	CLA	C2D-C1D-ND	6.46	114.86	110.10
14	Y	803	CLA	C2C-C1C-NC	6.45	116.02	109.97
14	Y	804	CLA	C2C-C1C-NC	6.45	116.02	109.97
14	G	836	CLA	C2C-C1C-NC	6.45	116.02	109.97
14	B	837	CLA	C4A-NA-C1A	6.45	109.61	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	803	CLA	C3D-C2D-C1D	-6.45	97.03	105.83
14	Z	828	CLA	C2C-C1C-NC	6.45	116.01	109.97
14	Z	812	CLA	C2D-C1D-ND	6.45	114.86	110.10
14	Y	802	CLA	C2C-C1C-NC	6.45	116.01	109.97
14	h	205	CLA	C1C-C2C-C3C	-6.45	100.18	106.96
14	Z	811	CLA	C3D-C2D-C1D	-6.44	97.04	105.83
14	A	841	CLA	C1D-ND-C4D	-6.44	101.76	106.33
14	B	824	CLA	C2D-C1D-ND	6.44	114.85	110.10
14	L	206	CLA	CMD-C2D-C1D	6.44	136.07	124.71
14	H	814	CLA	O2D-CGD-CBD	6.44	122.72	111.27
14	A	843	CLA	C2C-C1C-NC	6.44	116.01	109.97
14	H	831	CLA	C1C-C2C-C3C	-6.44	100.19	106.96
14	A	822	CLA	C1D-ND-C4D	-6.44	101.76	106.33
17	f	103	BCR	C34-C9-C10	-6.44	113.91	122.92
14	A	805	CLA	C2C-C1C-NC	6.44	116.00	109.97
14	K	102	CLA	C2C-C1C-NC	6.43	116.00	109.97
14	H	821	CLA	C2C-C1C-NC	6.43	116.00	109.97
17	U	1005	BCR	C24-C23-C22	-6.43	116.52	126.23
17	F	203	BCR	C12-C13-C14	6.43	128.81	118.94
14	Z	837	CLA	C1D-ND-C4D	-6.43	101.77	106.33
14	H	814	CLA	C2D-C1D-ND	6.43	114.84	110.10
14	G	819	CLA	O2A-C1-C2	6.42	125.52	108.64
14	H	812	CLA	C2C-C1C-NC	6.42	115.99	109.97
14	A	827	CLA	CHD-C1D-ND	-6.42	118.55	124.45
14	Y	839	CLA	O2A-C1-C2	6.42	125.50	108.64
14	G	817	CLA	C2C-C1C-NC	6.42	115.98	109.97
14	Z	838	CLA	C1C-C2C-C3C	-6.41	100.22	106.96
14	G	820	CLA	C2D-C1D-ND	6.40	114.82	110.10
14	B	818	CLA	C2C-C1C-NC	6.40	115.97	109.97
14	G	822	CLA	O2D-CGD-CBD	6.40	122.64	111.27
14	A	841	CLA	O2A-C1-C2	6.40	125.46	108.64
14	B	819	CLA	C2D-C1D-ND	6.40	114.82	110.10
17	Q	203	BCR	C24-C23-C22	-6.40	116.57	126.23
14	H	825	CLA	O2A-CGA-O1A	-6.40	107.45	123.59
14	H	827	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	B	811	CLA	C2C-C1C-NC	6.39	115.96	109.97
14	S	1103	CLA	C2D-C1D-ND	6.39	114.81	110.10
17	Y	852	BCR	C34-C9-C10	-6.39	113.97	122.92
14	G	832	CLA	C2C-C1C-NC	6.39	115.96	109.97
14	Z	820	CLA	C2C-C1C-NC	6.39	115.96	109.97
14	B	821	CLA	C2C-C1C-NC	6.39	115.96	109.97
14	Y	816	CLA	C2D-C1D-ND	6.39	114.81	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	829	CLA	C2C-C1C-NC	6.38	115.95	109.97
14	G	830	CLA	C2D-C1D-ND	6.38	114.80	110.10
14	B	824	CLA	C4A-NA-C1A	6.38	109.57	106.71
14	G	841	CLA	C2D-C1D-ND	6.38	114.80	110.10
14	H	815	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	H	824	CLA	C2D-C1D-ND	6.37	114.80	110.10
14	T	101	CLA	C2D-C1D-ND	6.37	114.80	110.10
14	B	818	CLA	C2D-C1D-ND	6.37	114.80	110.10
14	U	1003	CLA	CMD-C2D-C1D	6.37	135.94	124.71
14	H	813	CLA	O2D-CGD-CBD	6.36	122.58	111.27
14	Y	809	CLA	C2C-C1C-NC	6.36	115.93	109.97
14	H	829	CLA	C4A-NA-C1A	6.36	109.57	106.71
14	U	1007	CLA	C4A-NA-C1A	6.36	109.57	106.71
17	H	844	BCR	C36-C18-C17	-6.36	114.01	122.92
17	Y	847	BCR	C34-C9-C10	-6.36	114.01	122.92
17	Z	847	BCR	C37-C22-C21	-6.36	114.02	122.92
14	A	808	CLA	O2D-CGD-CBD	6.35	122.56	111.27
14	Z	829	CLA	C2C-C1C-NC	6.35	115.92	109.97
14	W	1701	CLA	C2C-C1C-NC	6.35	115.92	109.97
14	Y	818	CLA	O2A-C1-C2	6.35	125.31	108.64
14	H	830	CLA	C2C-C1C-NC	6.34	115.91	109.97
17	B	846	BCR	C23-C22-C21	6.34	128.67	118.94
14	Z	816	CLA	C1D-ND-C4D	-6.34	101.83	106.33
14	Z	815	CLA	C2C-C1C-NC	6.33	115.90	109.97
14	g	101	CLA	C2C-C1C-NC	6.33	115.90	109.97
14	G	803	CLA	C2C-C1C-NC	6.33	115.90	109.97
14	U	1004	CLA	O2D-CGD-CBD	6.33	122.51	111.27
14	B	836	CLA	C1D-ND-C4D	-6.33	101.84	106.33
14	Y	838	CLA	C1C-C2C-C3C	-6.33	100.31	106.96
14	A	802	CLA	C2D-C1D-ND	6.32	114.76	110.10
14	Z	814	CLA	C2C-C1C-NC	6.32	115.89	109.97
14	S	1102	CLA	C2D-C1D-ND	6.32	114.76	110.10
14	G	827	CLA	CMD-C2D-C1D	6.32	135.85	124.71
14	H	809	CLA	C2D-C1D-ND	6.32	114.76	110.10
14	G	810	CLA	C2D-C1D-ND	6.31	114.75	110.10
14	Y	808	CLA	O2D-CGD-CBD	6.31	122.47	111.27
17	H	844	BCR	C34-C9-C10	-6.30	114.09	122.92
14	H	830	CLA	O2A-CGA-O1A	-6.30	107.60	123.30
14	A	803	CLA	CMD-C2D-C1D	6.30	135.81	124.71
14	H	808	CLA	C2D-C1D-ND	6.30	114.75	110.10
14	H	818	CLA	C2C-C1C-NC	6.30	115.87	109.97
14	G	822	CLA	C1D-ND-C4D	-6.30	101.86	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	822	CLA	C2D-C1D-ND	6.29	114.74	110.10
14	U	1006	CLA	C2C-C1C-NC	6.29	115.87	109.97
14	Z	812	CLA	C2C-C1C-NC	6.29	115.87	109.97
14	Z	802	CLA	CMD-C2D-C1D	6.29	135.80	124.71
14	H	822	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	Z	840	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	H	802	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	B	809	CLA	C2C-C1C-NC	6.28	115.85	109.97
14	A	808	CLA	C4A-NA-C1A	6.27	109.53	106.71
17	Y	852	BCR	C19-C18-C17	6.27	128.57	118.94
17	d	203	BCR	C37-C22-C21	-6.27	114.14	122.92
14	W	1701	CLA	O2D-CGD-CBD	6.27	122.41	111.27
14	Z	841	CLA	C2C-C1C-NC	6.27	115.84	109.97
14	A	804	CLA	C2C-C1C-NC	6.27	115.84	109.97
14	B	830	CLA	C2C-C1C-NC	6.27	115.84	109.97
17	Y	848	BCR	C19-C18-C17	6.26	128.55	118.94
14	A	818	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	H	822	CLA	C2C-C1C-NC	6.26	115.83	109.97
14	Z	820	CLA	C2D-C1D-ND	6.26	114.72	110.10
14	B	807	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	B	806	CLA	C1C-C2C-C3C	-6.26	100.38	106.96
17	L	208	BCR	C27-C26-C25	-6.25	113.65	122.73
17	e	101	BCR	C36-C18-C19	-6.25	108.22	118.08
17	H	845	BCR	C19-C18-C17	6.25	128.53	118.94
17	J	103	BCR	C19-C18-C17	6.25	128.53	118.94
14	d	202	CLA	CMD-C2D-C1D	6.25	135.73	124.71
14	A	814	CLA	C2C-C1C-NC	6.25	115.83	109.97
17	Y	848	BCR	C24-C23-C22	-6.25	116.79	126.23
14	A	833	CLA	C2D-C1D-ND	6.25	114.71	110.10
14	G	812	CLA	C2C-C1C-NC	6.25	115.83	109.97
14	B	838	CLA	O2D-CGD-CBD	6.25	122.37	111.27
14	H	833	CLA	C2D-C1D-ND	6.24	114.70	110.10
14	G	835	CLA	O2D-CGD-CBD	6.24	122.36	111.27
14	Y	830	CLA	C2C-C1C-NC	6.24	115.82	109.97
14	G	842	CLA	C4A-NA-C1A	6.24	109.51	106.71
14	B	825	CLA	C2C-C1C-NC	6.24	115.82	109.97
14	Z	823	CLA	O2D-CGD-CBD	6.24	122.35	111.27
14	A	840	CLA	C2C-C1C-NC	6.24	115.81	109.97
14	Y	826	CLA	C1C-C2C-C3C	-6.23	100.41	106.96
17	Z	843	BCR	C19-C18-C17	6.23	128.50	118.94
14	H	822	CLA	C1D-ND-C4D	-6.23	101.91	106.33
14	Z	822	CLA	C2C-C1C-NC	6.23	115.80	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	812	CLA	C1C-C2C-C3C	-6.23	100.41	106.96
14	G	818	CLA	C4A-NA-C1A	6.22	109.50	106.71
17	i	101	BCR	C24-C23-C22	-6.22	116.83	126.23
14	G	816	CLA	C2D-C1D-ND	6.22	114.69	110.10
14	H	812	CLA	C2D-C1D-ND	6.22	114.69	110.10
14	Z	822	CLA	O2D-CGD-CBD	6.22	122.32	111.27
14	H	804	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	G	824	CLA	C1D-ND-C4D	-6.22	101.92	106.33
14	G	804	CLA	C1C-C2C-C3C	-6.21	100.42	106.96
14	G	811	CLA	C1C-C2C-C3C	-6.21	100.43	106.96
14	G	808	CLA	C1D-ND-C4D	-6.21	101.92	106.33
14	L	205	CLA	O2A-CGA-O1A	-6.21	107.92	123.59
14	Z	830	CLA	C1C-C2C-C3C	-6.21	100.43	106.96
14	Z	815	CLA	C2D-C1D-ND	6.20	114.68	110.10
14	A	837	CLA	C2D-C1D-ND	6.20	114.67	110.10
14	B	804	CLA	C2C-C1C-NC	6.20	115.78	109.97
14	Y	806	CLA	C2D-C1D-ND	6.20	114.67	110.10
14	Y	834	CLA	C2D-C1D-ND	6.20	114.67	110.10
14	H	851	CLA	C2C-C1C-NC	6.20	115.78	109.97
14	Y	812	CLA	C2C-C1C-NC	6.20	115.78	109.97
14	Z	809	CLA	C2C-C1C-NC	6.20	115.78	109.97
14	A	803	CLA	C2C-C1C-NC	6.19	115.77	109.97
14	H	813	CLA	C2C-C1C-NC	6.19	115.77	109.97
14	H	840	CLA	C3D-C2D-C1D	-6.19	97.38	105.83
14	F	202	CLA	C2C-C1C-NC	6.19	115.77	109.97
14	Z	841	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	X	1701	CLA	C2C-C1C-NC	6.19	115.77	109.97
14	G	818	CLA	O2D-CGD-CBD	6.19	122.26	111.27
14	S	1101	CLA	C2D-C1D-ND	6.19	114.66	110.10
14	B	837	CLA	C3D-C2D-C1D	-6.18	97.39	105.83
14	Y	837	CLA	C2D-C1D-ND	6.18	114.66	110.10
14	A	802	CLA	C2C-C1C-NC	6.18	115.76	109.97
14	U	1006	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	Y	806	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	H	825	CLA	C2C-C1C-NC	6.18	115.76	109.97
14	Y	834	CLA	C2C-C1C-NC	6.18	115.76	109.97
14	Z	801	CLA	C1D-ND-C4D	-6.18	101.95	106.33
14	H	837	CLA	C2D-C1D-ND	6.18	114.66	110.10
14	K	101	CLA	C2D-C1D-ND	6.17	114.65	110.10
14	B	831	CLA	C4A-NA-C1A	6.17	109.48	106.71
14	A	812	CLA	C2D-C1D-ND	6.17	114.65	110.10
14	H	816	CLA	C2C-C1C-NC	6.17	115.75	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	825	CLA	C2D-C1D-ND	6.17	114.65	110.10
17	G	848	BCR	C8-C7-C6	-6.17	109.89	127.20
14	B	822	CLA	C2D-C1D-ND	6.16	114.65	110.10
14	H	813	CLA	O2A-C1-C2	6.16	124.83	108.64
13	Y	801	CL0	C1C-C2C-C3C	-6.16	100.48	106.96
14	A	820	CLA	O2D-CGD-CBD	6.16	122.21	111.27
14	H	832	CLA	C2C-C1C-NC	6.16	115.74	109.97
17	B	844	BCR	C36-C18-C17	-6.16	114.30	122.92
14	B	824	CLA	C2C-C1C-NC	6.15	115.74	109.97
14	H	823	CLA	C2C-C1C-NC	6.15	115.74	109.97
14	A	813	CLA	C2D-C1D-ND	6.15	114.64	110.10
17	A	850	BCR	C36-C18-C17	-6.15	114.30	122.92
14	B	809	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	Z	826	CLA	C2C-C1C-NC	6.15	115.73	109.97
14	Z	835	CLA	C2D-C1D-ND	6.15	114.63	110.10
14	B	804	CLA	C2D-C1D-ND	6.14	114.63	110.10
14	Y	818	CLA	C4A-NA-C1A	6.14	109.47	106.71
14	A	840	CLA	C1D-ND-C4D	-6.14	101.97	106.33
14	L	205	CLA	C1D-ND-C4D	-6.14	101.97	106.33
14	T	101	CLA	C2C-C1C-NC	6.13	115.72	109.97
14	G	815	CLA	C2C-C1C-NC	6.13	115.72	109.97
17	Z	845	BCR	C36-C18-C17	-6.13	114.33	122.92
17	G	845	BCR	C19-C18-C17	6.13	128.34	118.94
14	Z	834	CLA	O2D-CGD-CBD	6.13	122.15	111.27
14	U	1004	CLA	C2C-C1C-NC	6.12	115.71	109.97
14	G	807	CLA	C2D-C1D-ND	6.12	114.62	110.10
14	A	838	CLA	O2D-CGD-CBD	6.12	122.15	111.27
17	A	847	BCR	C34-C9-C10	-6.12	114.34	122.92
17	U	1009	BCR	C23-C22-C21	6.12	128.34	118.94
14	Y	825	CLA	C2D-C1D-ND	6.12	114.61	110.10
14	B	816	CLA	O2A-CGA-O1A	-6.12	108.14	123.59
14	A	823	CLA	C1C-C2C-C3C	-6.12	100.52	106.96
14	H	806	CLA	C2C-C1C-NC	6.11	115.70	109.97
14	Y	841	CLA	O2A-CGA-O1A	-6.11	108.17	123.59
14	H	809	CLA	C1C-C2C-C3C	-6.11	100.53	106.96
14	B	836	CLA	C4A-NA-C1A	6.11	109.45	106.71
17	I	102	BCR	C24-C23-C22	-6.10	117.01	126.23
14	G	819	CLA	O2D-CGD-CBD	6.10	122.11	111.27
13	A	801	CL0	C1C-C2C-C3C	-6.10	100.54	106.96
14	A	808	CLA	C1C-C2C-C3C	-6.10	100.54	106.96
14	A	842	CLA	C2D-C1D-ND	6.09	114.59	110.10
17	G	847	BCR	C33-C5-C6	-6.09	117.69	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	808	CLA	C2C-C1C-NC	6.09	115.68	109.97
17	Q	201	BCR	C34-C9-C8	6.09	127.67	118.08
14	H	814	CLA	O2A-C1-C2	6.09	124.64	108.64
14	A	838	CLA	C2D-C1D-ND	6.09	114.59	110.10
14	Y	831	CLA	C3D-C2D-C1D	-6.09	97.52	105.83
14	H	839	CLA	C2C-C1C-NC	6.09	115.67	109.97
17	U	1005	BCR	C34-C9-C10	-6.09	114.40	122.92
14	G	822	CLA	C4A-NA-C1A	6.09	109.44	106.71
17	V	101	BCR	C23-C22-C21	6.09	128.28	118.94
14	g	102	CLA	C2D-C1D-ND	6.08	114.59	110.10
14	G	829	CLA	C2C-C1C-NC	6.08	115.67	109.97
17	Y	845	BCR	C34-C9-C10	-6.08	114.40	122.92
14	S	1101	CLA	C1D-ND-C4D	-6.08	102.01	106.33
14	Y	811	CLA	C2D-C1D-ND	6.08	114.59	110.10
14	B	840	CLA	C1D-ND-C4D	-6.08	102.02	106.33
14	Z	805	CLA	C1C-C2C-C3C	-6.08	100.56	106.96
14	Y	815	CLA	C2C-C1C-NC	6.08	115.67	109.97
14	H	825	CLA	O2D-CGD-CBD	6.08	122.07	111.27
14	H	823	CLA	C2D-C1D-ND	6.07	114.58	110.10
14	A	804	CLA	O2D-CGD-CBD	6.07	122.06	111.27
17	B	845	BCR	C23-C24-C25	-6.07	110.15	127.20
14	B	809	CLA	C3D-C2D-C1D	-6.06	97.56	105.83
14	G	821	CLA	C1D-ND-C4D	-6.06	102.03	106.33
14	Y	825	CLA	C4A-NA-C1A	6.06	109.43	106.71
14	B	804	CLA	C1D-ND-C4D	-6.06	102.03	106.33
14	G	819	CLA	C2D-C1D-ND	6.06	114.57	110.10
14	Y	819	CLA	C2C-C1C-NC	6.06	115.65	109.97
14	G	820	CLA	C2C-C1C-NC	6.06	115.65	109.97
14	A	803	CLA	C2D-C1D-ND	6.05	114.56	110.10
17	Z	843	BCR	C24-C23-C22	-6.05	117.09	126.23
14	H	810	CLA	CMD-C2D-C1D	6.05	135.37	124.71
14	Y	815	CLA	O2D-CGD-CBD	6.05	122.02	111.27
14	Y	822	CLA	O2A-CGA-O1A	-6.05	108.33	123.59
14	L	204	CLA	C2C-C1C-NC	6.05	115.64	109.97
14	G	832	CLA	C4A-NA-C1A	6.04	109.42	106.71
17	h	207	BCR	C36-C18-C17	-6.04	114.46	122.92
14	Y	825	CLA	C2C-C1C-NC	6.04	115.63	109.97
17	H	846	BCR	C34-C9-C10	-6.04	114.47	122.92
14	F	202	CLA	C3D-C2D-C1D	-6.03	97.60	105.83
14	A	835	CLA	O2D-CGD-CBD	6.03	121.99	111.27
14	B	820	CLA	C2D-C1D-ND	6.03	114.55	110.10
14	H	808	CLA	C2C-C1C-NC	6.03	115.62	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	828	CLA	C2C-C1C-NC	6.03	115.62	109.97
14	B	809	CLA	CMD-C2D-C1D	6.03	135.34	124.71
14	Y	823	CLA	C2D-C1D-ND	6.02	114.54	110.10
14	B	822	CLA	C4A-NA-C1A	6.02	109.41	106.71
17	Y	844	BCR	C19-C18-C17	6.02	128.17	118.94
17	Q	201	BCR	C19-C18-C17	6.02	128.17	118.94
14	Z	838	CLA	C2C-C1C-NC	6.01	115.61	109.97
17	H	844	BCR	C8-C7-C6	-6.01	110.31	127.20
17	Y	848	BCR	C34-C9-C10	-6.01	114.50	122.92
14	G	805	CLA	C1D-ND-C4D	-6.01	102.06	106.33
14	H	817	CLA	C1D-ND-C4D	-6.01	102.06	106.33
13	G	801	CL0	O2A-CGA-CBA	6.01	130.78	111.91
14	U	1004	CLA	O2A-CGA-O1A	-6.01	108.42	123.59
14	G	806	CLA	C2C-C1C-NC	6.01	115.60	109.97
14	H	834	CLA	C1C-C2C-C3C	-6.01	100.64	106.96
14	G	802	CLA	C2C-C1C-NC	6.01	115.60	109.97
17	A	851	BCR	C37-C22-C23	6.01	127.54	118.08
14	B	829	CLA	C1D-ND-C4D	-6.01	102.07	106.33
14	Y	822	CLA	C1D-ND-C4D	-6.01	102.07	106.33
14	Z	809	CLA	C1C-C2C-C3C	-6.00	100.64	106.96
14	A	807	CLA	C2D-C1D-ND	6.00	114.53	110.10
14	G	852	CLA	C4A-NA-C1A	6.00	109.40	106.71
14	Y	828	CLA	C2D-C1D-ND	6.00	114.52	110.10
14	Z	826	CLA	O2A-CGA-O1A	-6.00	108.46	123.59
14	Z	801	CLA	O2A-CGA-O1A	-6.00	108.46	123.59
14	f	102	CLA	C2C-C1C-NC	5.99	115.59	109.97
14	B	827	CLA	C2D-C1D-ND	5.99	114.52	110.10
14	H	803	CLA	C2C-C1C-NC	5.99	115.59	109.97
14	H	813	CLA	C2D-C1D-ND	5.99	114.52	110.10
14	A	843	CLA	C4A-NA-C1A	5.99	109.40	106.71
14	H	817	CLA	C2C-C1C-NC	5.99	115.58	109.97
14	A	838	CLA	O2A-CGA-O1A	-5.99	108.47	123.59
17	Y	845	BCR	C19-C18-C17	5.99	128.13	118.94
14	h	204	CLA	O2A-C1-C2	5.99	124.38	108.64
14	G	837	CLA	C2D-C1D-ND	5.99	114.52	110.10
17	G	848	BCR	C19-C18-C17	5.99	128.13	118.94
14	H	801	CLA	C2C-C1C-NC	5.99	115.58	109.97
14	Y	814	CLA	C2C-C1C-NC	5.98	115.58	109.97
14	B	812	CLA	C4A-NA-C1A	5.98	109.40	106.71
14	Z	830	CLA	O2A-CGA-O1A	-5.98	108.49	123.59
14	A	810	CLA	C2C-C1C-NC	5.98	115.58	109.97
14	B	816	CLA	C2C-C1C-NC	5.98	115.58	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	W	1701	CLA	C4A-NA-C1A	5.98	109.39	106.71
17	J	103	BCR	C15-C14-C13	-5.98	118.78	127.31
14	Z	833	CLA	O2D-CGD-CBD	5.98	121.89	111.27
14	A	821	CLA	C1C-C2C-C3C	-5.98	100.67	106.96
14	A	854	CLA	C4A-NA-C1A	5.98	109.39	106.71
14	H	819	CLA	C2C-C1C-NC	5.98	115.57	109.97
14	Y	822	CLA	C2C-C1C-NC	5.97	115.57	109.97
14	B	833	CLA	C2D-C1D-ND	5.97	114.50	110.10
14	B	834	CLA	C2D-C1D-ND	5.97	114.50	110.10
14	B	806	CLA	C4A-NA-C1A	5.97	109.39	106.71
14	G	802	CLA	O2A-CGA-O1A	-5.97	108.53	123.59
14	Y	805	CLA	C1D-ND-C4D	-5.97	102.09	106.33
14	A	811	CLA	C2D-C1D-ND	5.97	114.50	110.10
14	Z	818	CLA	C2D-C1D-ND	5.97	114.50	110.10
14	B	817	CLA	C2D-C1D-ND	5.97	114.50	110.10
14	H	802	CLA	O2D-CGD-CBD	5.97	121.87	111.27
14	H	832	CLA	C4A-NA-C1A	5.96	109.39	106.71
14	G	853	CLA	C2C-C1C-NC	5.96	115.56	109.97
14	G	817	CLA	C2D-C1D-ND	5.96	114.50	110.10
14	G	837	CLA	C4A-NA-C1A	5.95	109.38	106.71
17	h	202	BCR	C36-C18-C17	-5.95	114.58	122.92
14	H	824	CLA	C1C-C2C-C3C	-5.95	100.70	106.96
17	H	850	BCR	C19-C18-C17	5.95	128.07	118.94
14	G	811	CLA	C2D-C1D-ND	5.95	114.49	110.10
14	A	820	CLA	O2A-C1-C2	5.95	124.27	108.64
14	G	803	CLA	C2D-C1D-ND	5.95	114.49	110.10
14	A	818	CLA	C1D-ND-C4D	-5.95	102.11	106.33
17	R	101	BCR	C34-C9-C10	-5.95	114.59	122.92
14	J	102	CLA	C2D-C1D-ND	5.95	114.49	110.10
14	Y	840	CLA	C1D-ND-C4D	-5.95	102.11	106.33
14	A	833	CLA	C1C-C2C-C3C	-5.95	100.71	106.96
14	Y	808	CLA	C2C-C1C-NC	5.94	115.54	109.97
14	A	843	CLA	C1C-C2C-C3C	-5.94	100.71	106.96
17	f	103	BCR	C36-C18-C17	-5.94	114.60	122.92
14	A	842	CLA	C2C-C1C-NC	5.94	115.53	109.97
14	L	205	CLA	C2C-C1C-NC	5.94	115.53	109.97
14	B	831	CLA	C1D-ND-C4D	-5.93	102.12	106.33
14	f	101	CLA	C1D-ND-C4D	-5.93	102.12	106.33
14	A	831	CLA	CMD-C2D-C1D	5.93	135.16	124.71
14	H	820	CLA	C3D-C2D-C1D	-5.93	97.74	105.83
14	d	202	CLA	C1C-C2C-C3C	-5.92	100.73	106.96
14	H	831	CLA	C3D-C2D-C1D	-5.92	97.75	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	814	CLA	CHD-C1D-ND	-5.92	119.01	124.45
17	Y	846	BCR	C34-C9-C10	-5.92	114.63	122.92
14	A	822	CLA	C4A-NA-C1A	5.92	109.37	106.71
14	G	836	CLA	C1C-C2C-C3C	-5.92	100.73	106.96
17	Z	847	BCR	C24-C23-C22	-5.92	117.29	126.23
14	H	810	CLA	O2D-CGD-CBD	5.92	121.78	111.27
14	G	823	CLA	C2C-C1C-NC	5.92	115.52	109.97
14	B	813	CLA	C1D-ND-C4D	-5.92	102.13	106.33
14	B	826	CLA	C2D-C1D-ND	5.91	114.46	110.10
14	H	834	CLA	C4A-NA-C1A	5.91	109.36	106.71
14	A	808	CLA	C1D-ND-C4D	-5.91	102.14	106.33
14	G	839	CLA	CHD-C1D-ND	-5.91	119.02	124.45
17	Z	847	BCR	C7-C8-C9	-5.91	117.31	126.23
14	Z	808	CLA	C1C-C2C-C3C	-5.91	100.75	106.96
14	G	815	CLA	C2D-C1D-ND	5.91	114.46	110.10
14	A	843	CLA	C1D-ND-C4D	-5.91	102.14	106.33
14	A	814	CLA	C2D-C1D-ND	5.91	114.46	110.10
14	Z	810	CLA	C3D-C2D-C1D	-5.90	97.77	105.83
14	Y	837	CLA	O2D-CGD-CBD	5.90	121.76	111.27
14	Z	806	CLA	C2D-C1D-ND	5.90	114.45	110.10
14	Y	835	CLA	C3D-C2D-C1D	-5.90	97.78	105.83
14	H	814	CLA	C2C-C1C-NC	5.90	115.50	109.97
14	Y	804	CLA	C1D-ND-C4D	-5.90	102.14	106.33
14	H	840	CLA	O2A-C1-C2	5.90	124.13	108.64
14	A	810	CLA	C2D-C1D-ND	5.90	114.45	110.10
17	Y	846	BCR	C19-C18-C17	5.90	127.99	118.94
14	A	821	CLA	O2A-CGA-O1A	-5.89	108.72	123.59
17	A	850	BCR	C34-C9-C10	-5.89	114.68	122.92
14	G	835	CLA	C1C-C2C-C3C	-5.89	100.77	106.96
14	Y	807	CLA	C1D-ND-C4D	-5.89	102.15	106.33
14	Y	806	CLA	O2A-C1-C2	5.88	124.10	108.64
14	G	806	CLA	C1D-ND-C4D	-5.88	102.16	106.33
14	U	1007	CLA	C1C-C2C-C3C	-5.88	100.78	106.96
14	G	813	CLA	O2D-CGD-CBD	5.88	121.71	111.27
14	h	201	CLA	C2C-C1C-NC	5.88	115.48	109.97
14	Z	839	CLA	C1C-C2C-C3C	-5.88	100.78	106.96
14	A	820	CLA	C2C-C1C-NC	5.87	115.47	109.97
14	H	825	CLA	C4A-NA-C1A	5.87	109.35	106.71
14	B	833	CLA	C2C-C1C-NC	5.87	115.47	109.97
17	G	848	BCR	C36-C18-C17	-5.87	114.70	122.92
14	Y	829	CLA	O2A-C1-C2	5.86	124.05	108.64
14	Y	841	CLA	C1D-ND-C4D	-5.86	102.17	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	838	CLA	C1C-C2C-C3C	-5.86	100.79	106.96
17	B	850	BCR	C23-C24-C25	-5.86	110.75	127.20
14	A	802	CLA	O2A-CGA-O1A	-5.86	108.81	123.59
14	H	805	CLA	C1C-C2C-C3C	-5.86	100.80	106.96
17	U	1009	BCR	C38-C26-C25	5.86	131.10	124.53
14	Y	823	CLA	C1D-ND-C4D	-5.85	102.18	106.33
14	B	831	CLA	C1C-C2C-C3C	-5.85	100.80	106.96
14	A	818	CLA	O2D-CGD-CBD	5.85	121.66	111.27
14	A	809	CLA	O2A-CGA-O1A	-5.85	108.83	123.59
14	Y	819	CLA	C4A-NA-C1A	5.85	109.33	106.71
17	H	850	BCR	C24-C23-C22	-5.85	117.40	126.23
14	H	817	CLA	C4A-NA-C1A	5.85	109.33	106.71
14	A	816	CLA	C4A-NA-C1A	5.84	109.33	106.71
14	A	854	CLA	C2C-C1C-NC	5.84	115.45	109.97
14	J	102	CLA	C2C-C1C-NC	5.84	115.44	109.97
14	A	839	CLA	C1D-ND-C4D	-5.84	102.19	106.33
14	Z	827	CLA	C1C-C2C-C3C	-5.84	100.81	106.96
14	B	805	CLA	C2D-C1D-ND	5.84	114.41	110.10
14	h	206	CLA	CHD-C1D-ND	-5.84	119.09	124.45
14	H	839	CLA	C1C-C2C-C3C	-5.84	100.82	106.96
14	G	837	CLA	O2D-CGD-CBD	5.84	121.64	111.27
14	B	832	CLA	C1D-ND-C4D	-5.84	102.19	106.33
14	B	840	CLA	O2D-CGD-CBD	5.83	121.64	111.27
14	Y	835	CLA	C1D-ND-C4D	-5.83	102.19	106.33
17	Z	847	BCR	C36-C18-C17	-5.83	114.75	122.92
14	G	842	CLA	C1D-ND-C4D	-5.83	102.19	106.33
17	H	842	BCR	C19-C18-C17	5.83	127.88	118.94
14	L	204	CLA	C1C-C2C-C3C	-5.83	100.83	106.96
14	Z	817	CLA	C1D-ND-C4D	-5.83	102.20	106.33
14	G	813	CLA	C2C-C1C-NC	5.83	115.43	109.97
14	Y	817	CLA	C1D-ND-C4D	-5.82	102.20	106.33
14	f	101	CLA	O2D-CGD-CBD	5.82	121.62	111.27
14	B	810	CLA	C2C-C1C-NC	5.82	115.43	109.97
14	B	801	CLA	C2D-C1D-ND	5.82	114.39	110.10
14	B	819	CLA	O2D-CGD-CBD	5.82	121.61	111.27
14	G	803	CLA	C4A-NA-C1A	5.82	109.32	106.71
14	G	838	CLA	CHD-C1D-ND	-5.81	119.11	124.45
14	G	852	CLA	C2C-C1C-NC	5.81	115.42	109.97
14	Z	819	CLA	C2C-C1C-NC	5.81	115.42	109.97
14	G	852	CLA	C2D-C1D-ND	5.81	114.39	110.10
14	B	835	CLA	C2D-C1D-ND	5.81	114.39	110.10
14	A	830	CLA	C2C-C1C-NC	5.81	115.41	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	830	CLA	C2D-C1D-ND	5.81	114.38	110.10
17	S	1105	BCR	C34-C9-C10	-5.81	114.79	122.92
14	G	842	CLA	C2C-C1C-NC	5.80	115.41	109.97
14	A	821	CLA	C2D-C1D-ND	5.80	114.38	110.10
17	H	843	BCR	C34-C9-C8	5.80	127.22	118.08
14	G	814	CLA	C2C-C1C-NC	5.80	115.41	109.97
14	A	833	CLA	O2A-CGA-O1A	-5.80	108.95	123.59
14	Y	841	CLA	C1C-C2C-C3C	-5.80	100.86	106.96
14	G	826	CLA	C1C-C2C-C3C	-5.79	100.86	106.96
17	H	846	BCR	C24-C23-C22	-5.79	117.48	126.23
14	B	811	CLA	C2D-C1D-ND	5.79	114.37	110.10
14	H	820	CLA	C4A-NA-C1A	5.79	109.31	106.71
14	A	839	CLA	C4A-NA-C1A	5.79	109.31	106.71
17	Z	846	BCR	C28-C27-C26	-5.79	103.74	114.08
14	G	840	CLA	C1D-ND-C4D	-5.79	102.22	106.33
14	Z	831	CLA	O2D-CGD-CBD	5.79	121.55	111.27
14	Y	811	CLA	C2C-C1C-NC	5.78	115.39	109.97
14	G	805	CLA	C4A-NA-C1A	5.78	109.31	106.71
14	G	839	CLA	C1D-ND-C4D	-5.78	102.23	106.33
14	Z	833	CLA	C2C-C1C-NC	5.78	115.39	109.97
14	A	816	CLA	O2D-CGD-CBD	5.78	121.54	111.27
14	H	815	CLA	C2C-C1C-NC	5.78	115.39	109.97
14	Z	823	CLA	C2D-C1D-ND	5.78	114.36	110.10
14	H	825	CLA	C3D-C2D-C1D	-5.78	97.94	105.83
17	A	849	BCR	C36-C18-C17	-5.78	114.83	122.92
14	Y	805	CLA	CHD-C1D-ND	-5.78	119.14	124.45
17	I	101	BCR	C24-C23-C22	-5.78	117.50	126.23
14	A	806	CLA	C1D-ND-C4D	-5.78	102.23	106.33
14	Z	835	CLA	C4A-NA-C1A	5.78	109.30	106.71
14	Z	828	CLA	O2A-CGA-O1A	-5.78	109.02	123.59
13	G	801	CL0	O2D-CGD-CBD	5.77	121.53	111.27
14	H	801	CLA	O2A-CGA-O1A	-5.77	109.02	123.59
14	L	204	CLA	C1D-ND-C4D	-5.77	102.23	106.33
14	Z	839	CLA	C2D-C1D-ND	5.77	114.36	110.10
14	A	842	CLA	O2A-CGA-O1A	-5.77	109.03	123.59
14	A	817	CLA	C1C-C2C-C3C	-5.77	100.89	106.96
14	G	830	CLA	CMD-C2D-C1D	5.77	134.88	124.71
14	A	819	CLA	O2D-CGD-CBD	5.77	121.52	111.27
14	B	815	CLA	C1C-C2C-C3C	-5.77	100.89	106.96
14	L	206	CLA	C4A-NA-C1A	5.77	109.30	106.71
14	B	814	CLA	C2C-C1C-NC	5.77	115.38	109.97
14	Y	836	CLA	C2D-C1D-ND	5.77	114.35	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	807	CLA	C2C-C1C-NC	5.77	115.37	109.97
14	G	806	CLA	O2A-CGA-O1A	-5.77	109.04	123.59
14	H	826	CLA	C2C-C1C-NC	5.77	115.37	109.97
14	G	830	CLA	C1C-C2C-C3C	-5.76	100.90	106.96
14	j	102	CLA	O2A-CGA-O1A	-5.76	108.93	123.30
14	h	205	CLA	O2A-CGA-O1A	-5.76	109.05	123.59
14	K	101	CLA	C2C-C1C-NC	5.76	115.37	109.97
14	J	101	CLA	C1D-ND-C4D	-5.76	102.24	106.33
14	L	205	CLA	C4A-NA-C1A	5.76	109.30	106.71
14	H	837	CLA	O2D-CGD-CBD	5.76	121.50	111.27
14	Z	836	CLA	C2C-C1C-NC	5.75	115.36	109.97
14	G	833	CLA	C4A-NA-C1A	5.75	109.29	106.71
14	Y	839	CLA	C1D-ND-C4D	-5.75	102.25	106.33
14	Y	804	CLA	O2D-CGD-CBD	5.75	121.48	111.27
14	Y	803	CLA	C4A-NA-C1A	5.75	109.29	106.71
17	Q	201	BCR	C37-C22-C21	-5.75	114.87	122.92
14	h	201	CLA	O2A-C1-C2	5.74	123.73	108.64
14	B	824	CLA	C1C-C2C-C3C	-5.74	100.92	106.96
14	Z	817	CLA	C4A-NA-C1A	5.74	109.29	106.71
14	H	808	CLA	O2A-CGA-O1A	-5.74	109.11	123.59
14	B	801	CLA	C4A-NA-C1A	5.74	109.28	106.71
14	Y	827	CLA	C2C-C1C-NC	5.73	115.34	109.97
14	G	805	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
14	G	817	CLA	C1C-C2C-C3C	-5.73	100.93	106.96
14	Z	810	CLA	O2A-CGA-O1A	-5.73	109.12	123.59
14	K	102	CLA	O2D-CGD-CBD	5.73	121.45	111.27
14	Z	819	CLA	C2D-C1D-ND	5.73	114.33	110.10
14	A	819	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
17	Z	850	BCR	C24-C23-C22	-5.73	117.58	126.23
14	G	804	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
14	f	102	CLA	O2D-CGD-CBD	5.73	121.45	111.27
14	B	824	CLA	C1D-ND-C4D	-5.73	102.27	106.33
14	Z	841	CLA	C1D-ND-C4D	-5.73	102.27	106.33
14	Z	803	CLA	C1D-ND-C4D	-5.72	102.27	106.33
14	A	821	CLA	O2D-CGD-CBD	5.72	121.43	111.27
14	H	818	CLA	C1D-ND-C4D	-5.72	102.27	106.33
14	G	820	CLA	C1C-C2C-C3C	-5.72	100.94	106.96
17	T	102	BCR	C34-C9-C10	-5.72	114.91	122.92
14	Z	808	CLA	C4A-NA-C1A	5.72	109.28	106.71
14	G	822	CLA	CHD-C1D-ND	-5.72	119.20	124.45
14	H	816	CLA	C1D-ND-C4D	-5.72	102.27	106.33
14	B	818	CLA	C4A-NA-C1A	5.72	109.28	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L	202	CLA	O2D-CGD-CBD	5.72	121.43	111.27
14	B	821	CLA	C2D-C1D-ND	5.72	114.32	110.10
14	A	805	CLA	C1C-C2C-C3C	-5.71	100.95	106.96
14	U	1003	CLA	C2C-C1C-NC	5.71	115.33	109.97
14	U	1007	CLA	C2C-C1C-NC	5.71	115.32	109.97
17	H	850	BCR	C37-C22-C21	-5.71	114.92	122.92
14	J	101	CLA	C2C-C1C-NC	5.71	115.32	109.97
14	B	827	CLA	C2C-C1C-NC	5.71	115.32	109.97
14	g	102	CLA	C2C-C1C-NC	5.71	115.32	109.97
14	A	815	CLA	C1D-ND-C4D	-5.71	102.28	106.33
14	B	807	CLA	C1C-C2C-C3C	-5.71	100.96	106.96
14	B	814	CLA	C1C-C2C-C3C	-5.71	100.96	106.96
14	H	807	CLA	C3D-C2D-C1D	-5.71	98.04	105.83
14	Z	838	CLA	C4A-NA-C1A	5.71	109.27	106.71
14	Z	815	CLA	C1C-C2C-C3C	-5.70	100.96	106.96
14	B	832	CLA	O2D-CGD-CBD	5.70	121.40	111.27
14	G	805	CLA	C2C-C1C-NC	5.70	115.31	109.97
14	Y	813	CLA	C2C-C1C-NC	5.70	115.31	109.97
14	Z	814	CLA	C3D-C2D-C1D	-5.70	98.05	105.83
14	J	101	CLA	C4A-NA-C1A	5.70	109.27	106.71
14	G	818	CLA	O2A-C1-C2	5.70	123.61	108.64
14	Z	822	CLA	C1C-C2C-C3C	-5.70	100.97	106.96
14	Z	831	CLA	O2A-CGA-O1A	-5.70	109.10	123.30
14	Z	803	CLA	O2D-CGD-CBD	5.70	121.39	111.27
14	A	811	CLA	C1C-C2C-C3C	-5.69	100.97	106.96
14	H	838	CLA	C1D-ND-C4D	-5.69	102.29	106.33
14	A	816	CLA	C3D-C2D-C1D	-5.69	98.06	105.83
14	Z	835	CLA	C1D-ND-C4D	-5.69	102.29	106.33
14	Y	805	CLA	C2D-C1D-ND	5.69	114.30	110.10
14	B	829	CLA	O2A-CGA-O1A	-5.69	109.12	123.30
14	G	836	CLA	C2D-C1D-ND	5.69	114.30	110.10
14	H	802	CLA	C1C-C2C-C3C	-5.69	100.98	106.96
14	Y	833	CLA	C2D-C1D-ND	5.69	114.29	110.10
14	Z	811	CLA	C1D-ND-C4D	-5.69	102.30	106.33
17	I	101	BCR	C34-C9-C10	-5.69	114.96	122.92
14	H	811	CLA	C2C-C1C-NC	5.68	115.30	109.97
14	B	802	CLA	C2D-C1D-ND	5.68	114.29	110.10
14	A	832	CLA	O2D-CGD-CBD	5.68	121.36	111.27
14	G	815	CLA	C1C-C2C-C3C	-5.68	100.99	106.96
14	A	810	CLA	O2A-C1-C2	5.68	123.55	108.64
14	Z	804	CLA	C1C-C2C-C3C	-5.68	100.99	106.96
14	A	817	CLA	C1D-ND-C4D	-5.67	102.30	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	811	CLA	O2D-CGD-CBD	5.67	121.35	111.27
14	G	809	CLA	O2D-CGD-CBD	5.67	121.35	111.27
14	H	801	CLA	C4A-NA-C1A	5.67	109.26	106.71
14	A	836	CLA	O2A-CGA-O1A	-5.67	109.28	123.59
14	A	831	CLA	O2D-CGD-CBD	5.67	121.34	111.27
17	M	101	BCR	C37-C22-C21	-5.67	114.98	122.92
14	Z	809	CLA	C1D-ND-C4D	-5.67	102.31	106.33
14	H	836	CLA	C4A-NA-C1A	5.67	109.25	106.71
14	Z	823	CLA	CMD-C2D-C1D	5.67	134.70	124.71
14	Y	818	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	A	831	CLA	C4A-NA-C1A	5.67	109.25	106.71
14	B	813	CLA	C2C-C1C-NC	5.67	115.28	109.97
14	Z	802	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	B	826	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	Y	820	CLA	C2C-C1C-NC	5.66	115.28	109.97
17	H	845	BCR	C37-C22-C21	-5.66	114.99	122.92
14	G	852	CLA	CMD-C2D-C1D	5.66	134.69	124.71
14	j	102	CLA	C2D-C1D-ND	5.66	114.28	110.10
14	Z	831	CLA	C2C-C1C-NC	5.66	115.28	109.97
14	Y	803	CLA	O2A-C1-C2	5.66	123.51	108.64
14	B	816	CLA	C3D-C2D-C1D	-5.66	98.11	105.83
14	A	820	CLA	C1D-ND-C4D	-5.66	102.31	106.33
14	Y	830	CLA	C1C-C2C-C3C	-5.66	101.01	106.96
14	Y	820	CLA	C3D-C2D-C1D	-5.66	98.11	105.83
14	B	812	CLA	O2D-CGD-CBD	5.66	121.32	111.27
14	A	827	CLA	C1C-C2C-C3C	-5.66	101.01	106.96
14	H	814	CLA	C1C-C2C-C3C	-5.66	101.01	106.96
14	H	815	CLA	O2A-CGA-O1A	-5.66	109.20	123.30
14	H	839	CLA	C1D-ND-C4D	-5.65	102.32	106.33
17	d	203	BCR	C23-C22-C21	5.65	127.61	118.94
17	A	848	BCR	C38-C26-C25	-5.65	118.18	124.53
14	J	102	CLA	O2A-CGA-O1A	-5.65	109.33	123.59
14	G	822	CLA	C1C-C2C-C3C	-5.65	101.02	106.96
14	L	204	CLA	O2A-CGA-O1A	-5.65	109.34	123.59
14	H	801	CLA	C1C-C2C-C3C	-5.65	101.02	106.96
17	Q	203	BCR	C23-C22-C21	5.64	127.60	118.94
14	Y	827	CLA	C3D-C2D-C1D	-5.64	98.13	105.83
14	Z	834	CLA	C1C-C2C-C3C	-5.64	101.02	106.96
14	B	836	CLA	O2D-CGD-CBD	5.64	121.29	111.27
14	G	840	CLA	C2C-C1C-NC	5.64	115.26	109.97
14	W	1701	CLA	C1D-ND-C4D	-5.64	102.33	106.33
14	H	820	CLA	C1C-C2C-C3C	-5.64	101.03	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	101	CLA	C3D-C2D-C1D	-5.63	98.14	105.83
14	A	824	CLA	C2D-C1D-ND	5.63	114.25	110.10
14	H	818	CLA	C4A-NA-C1A	5.63	109.24	106.71
14	G	831	CLA	C2C-C1C-NC	5.63	115.25	109.97
14	Z	837	CLA	C3D-C2D-C1D	-5.63	98.15	105.83
14	Z	809	CLA	O2A-CGA-O1A	-5.63	109.38	123.59
14	G	810	CLA	C1C-C2C-C3C	-5.63	101.04	106.96
14	g	101	CLA	C2D-C1D-ND	5.63	114.25	110.10
14	A	806	CLA	C2C-C1C-NC	5.63	115.24	109.97
14	G	831	CLA	O2D-CGD-CBD	5.63	121.27	111.27
14	G	815	CLA	O2A-C1-C2	5.63	123.42	108.64
14	G	806	CLA	C1C-C2C-C3C	-5.63	101.04	106.96
14	Z	830	CLA	O2D-CGD-CBD	5.62	121.26	111.27
17	Q	201	BCR	C36-C18-C17	-5.62	115.05	122.92
14	G	841	CLA	C1C-C2C-C3C	-5.62	101.05	106.96
13	A	801	CL0	C2D-C1D-ND	5.62	114.25	110.10
14	B	829	CLA	C1C-C2C-C3C	-5.62	101.05	106.96
14	Y	821	CLA	C1D-ND-C4D	-5.62	102.34	106.33
14	B	811	CLA	O2A-C1-C2	5.62	123.41	108.64
14	B	807	CLA	O2A-CGA-O1A	-5.62	109.41	123.59
14	G	833	CLA	C1C-C2C-C3C	-5.62	101.05	106.96
14	Z	818	CLA	C1C-C2C-C3C	-5.62	101.05	106.96
14	H	851	CLA	O2A-CGA-O1A	-5.62	109.41	123.59
14	G	839	CLA	C2C-C1C-NC	5.62	115.23	109.97
14	H	807	CLA	O2D-CGD-CBD	5.61	121.24	111.27
14	Y	822	CLA	C4A-NA-C1A	5.61	109.23	106.71
14	Y	832	CLA	C1C-C2C-C3C	-5.61	101.06	106.96
14	H	814	CLA	O2A-CGA-O1A	-5.61	109.43	123.59
14	B	822	CLA	C2C-C1C-NC	5.61	115.23	109.97
14	Q	202	CLA	C4A-NA-C1A	5.61	109.23	106.71
14	Y	831	CLA	C1C-C2C-C3C	-5.61	101.06	106.96
14	Y	806	CLA	C2C-C1C-NC	5.61	115.23	109.97
14	A	842	CLA	C4A-NA-C1A	5.61	109.23	106.71
14	H	836	CLA	O2D-CGD-CBD	5.61	121.23	111.27
14	B	830	CLA	C2D-C1D-ND	5.60	114.23	110.10
14	G	832	CLA	C1D-ND-C4D	-5.60	102.36	106.33
14	Z	827	CLA	C3D-C2D-C1D	-5.60	98.19	105.83
14	Y	838	CLA	O2D-CGD-CBD	5.60	121.22	111.27
14	Z	816	CLA	C2C-C1C-NC	5.60	115.22	109.97
14	H	839	CLA	C3D-C2D-C1D	-5.60	98.19	105.83
14	H	825	CLA	C1C-C2C-C3C	-5.60	101.07	106.96
14	H	830	CLA	C1C-C2C-C3C	-5.59	101.08	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	803	CLA	C4A-NA-C1A	5.59	109.22	106.71
14	Y	812	CLA	O2A-CGA-O1A	-5.59	109.48	123.59
14	Z	828	CLA	O2D-CGD-CBD	5.59	121.20	111.27
14	Z	817	CLA	C2C-C1C-NC	5.59	115.21	109.97
17	H	846	BCR	C36-C18-C17	-5.59	115.09	122.92
13	Y	801	CL0	O2A-CGA-O1A	-5.59	109.48	123.59
14	G	826	CLA	C2D-C1D-ND	5.59	114.22	110.10
14	G	816	CLA	C1D-ND-C4D	-5.59	102.36	106.33
14	H	829	CLA	C2D-C1D-ND	5.59	114.22	110.10
14	H	821	CLA	C2D-C1D-ND	5.59	114.22	110.10
14	H	851	CLA	C3D-C2D-C1D	-5.58	98.21	105.83
14	Z	825	CLA	C1C-C2C-C3C	-5.58	101.09	106.96
17	U	1008	BCR	C34-C9-C8	5.58	126.87	118.08
17	d	203	BCR	C36-C18-C17	-5.58	115.10	122.92
14	B	837	CLA	C1D-ND-C4D	-5.58	102.37	106.33
14	Y	808	CLA	C1D-ND-C4D	-5.58	102.37	106.33
14	G	825	CLA	C1C-C2C-C3C	-5.58	101.09	106.96
14	A	837	CLA	C4A-NA-C1A	5.58	109.22	106.71
14	B	839	CLA	CHD-C1D-ND	-5.58	119.33	124.45
14	Z	805	CLA	O2A-CGA-O1A	-5.58	109.51	123.59
14	H	836	CLA	C2C-C1C-NC	5.58	115.20	109.97
14	B	829	CLA	C4A-NA-C1A	5.58	109.21	106.71
14	A	826	CLA	C2D-C1D-ND	5.58	114.21	110.10
14	Y	819	CLA	C1D-ND-C4D	-5.58	102.37	106.33
14	G	817	CLA	O2A-CGA-O1A	-5.58	109.52	123.59
14	B	817	CLA	C2C-C1C-NC	5.58	115.19	109.97
17	Z	844	BCR	C19-C18-C17	5.58	127.50	118.94
14	B	832	CLA	O2A-CGA-O1A	-5.57	109.52	123.59
14	H	837	CLA	C1D-ND-C4D	-5.57	102.38	106.33
14	B	807	CLA	C2D-C1D-ND	5.57	114.21	110.10
14	B	808	CLA	OBD-CAD-C3D	-5.57	115.11	128.52
14	Y	839	CLA	C2C-C1C-NC	5.57	115.19	109.97
14	Y	834	CLA	O2D-CGD-CBD	5.57	121.17	111.27
14	U	1003	CLA	C1C-C2C-C3C	-5.57	101.10	106.96
14	Z	806	CLA	C1C-C2C-C3C	-5.57	101.10	106.96
14	B	804	CLA	C1C-C2C-C3C	-5.57	101.10	106.96
14	S	1102	CLA	O2A-CGA-O1A	-5.57	109.42	123.30
14	d	201	CLA	C4A-NA-C1A	5.56	109.21	106.71
14	B	825	CLA	O2D-CGD-CBD	5.56	121.15	111.27
14	H	834	CLA	C1D-ND-C4D	-5.56	102.38	106.33
14	Z	831	CLA	C1D-ND-C4D	-5.56	102.38	106.33
14	G	835	CLA	C3D-C2D-C1D	-5.56	98.24	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L	201	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
17	F	203	BCR	C33-C5-C6	-5.56	118.28	124.53
14	Y	808	CLA	C4A-NA-C1A	5.56	109.20	106.71
14	Y	819	CLA	O2A-C1-C2	5.56	123.24	108.64
17	B	850	BCR	C37-C22-C21	-5.56	115.14	122.92
14	Z	803	CLA	C2C-C1C-NC	5.56	115.18	109.97
14	G	818	CLA	C3D-C2D-C1D	-5.56	98.25	105.83
14	Y	835	CLA	C2C-C1C-NC	5.55	115.18	109.97
14	Z	831	CLA	C3D-C2D-C1D	-5.55	98.25	105.83
14	G	832	CLA	O2A-CGA-O1A	-5.55	109.58	123.59
14	Y	810	CLA	C1D-ND-C4D	-5.55	102.39	106.33
17	R	102	BCR	C34-C9-C10	-5.55	115.15	122.92
14	G	807	CLA	C1D-ND-C4D	-5.55	102.39	106.33
14	Z	811	CLA	C4A-NA-C1A	5.55	109.20	106.71
14	A	843	CLA	C3D-C2D-C1D	-5.55	98.26	105.83
14	U	1003	CLA	O2D-CGD-CBD	5.54	121.12	111.27
14	G	819	CLA	C1C-C2C-C3C	-5.54	101.13	106.96
14	G	853	CLA	C2D-C1D-ND	5.54	114.19	110.10
14	W	1701	CLA	C1C-C2C-C3C	-5.54	101.13	106.96
14	B	805	CLA	C1C-C2C-C3C	-5.54	101.13	106.96
14	G	823	CLA	O2D-CGD-CBD	5.54	121.11	111.27
14	A	837	CLA	O2A-CGA-O1A	-5.54	109.61	123.59
14	Y	838	CLA	C4A-NA-C1A	5.54	109.20	106.71
14	Y	806	CLA	O2A-CGA-O1A	-5.54	109.62	123.59
14	G	805	CLA	C1C-C2C-C3C	-5.54	101.14	106.96
14	B	834	CLA	C2C-C1C-NC	5.54	115.16	109.97
14	A	829	CLA	C3D-C2D-C1D	-5.54	98.28	105.83
14	G	806	CLA	O2A-CGA-CBA	5.53	129.28	111.91
14	T	103	CLA	C1C-C2C-C3C	-5.53	101.14	106.96
14	A	812	CLA	O2A-CGA-O1A	-5.53	109.63	123.59
14	Y	813	CLA	C3D-C2D-C1D	-5.53	98.28	105.83
14	G	816	CLA	O2A-CGA-O1A	-5.53	109.64	123.59
17	Z	850	BCR	C37-C22-C21	-5.53	115.18	122.92
14	G	839	CLA	C1C-C2C-C3C	-5.53	101.14	106.96
14	A	813	CLA	O2D-CGD-CBD	5.53	121.09	111.27
14	A	822	CLA	C2C-C1C-NC	5.53	115.15	109.97
17	H	844	BCR	C24-C23-C22	-5.53	117.88	126.23
14	Z	836	CLA	C3D-C2D-C1D	-5.53	98.29	105.83
14	G	803	CLA	OBD-CAD-C3D	-5.53	115.22	128.52
14	B	825	CLA	C1C-C2C-C3C	-5.52	101.15	106.96
14	H	822	CLA	C1C-C2C-C3C	-5.52	101.15	106.96
14	Y	818	CLA	C2C-C1C-NC	5.52	115.14	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	101	CLA	C2C-C1C-NC	5.52	115.14	109.97
14	Z	811	CLA	O2D-CGD-CBD	5.52	121.08	111.27
14	Y	808	CLA	C3D-C2D-C1D	-5.52	98.30	105.83
14	B	808	CLA	C3D-C2D-C1D	-5.52	98.30	105.83
14	H	834	CLA	O2D-CGD-CBD	5.51	121.07	111.27
14	S	1101	CLA	O2A-CGA-O1A	-5.51	109.68	123.59
14	Y	802	CLA	C2D-C1D-ND	5.51	114.17	110.10
14	H	823	CLA	CHD-C1D-ND	-5.51	119.39	124.45
14	G	837	CLA	C1C-C2C-C3C	-5.51	101.17	106.96
14	Y	815	CLA	C1C-C2C-C3C	-5.51	101.17	106.96
14	h	206	CLA	C2C-C1C-NC	5.51	115.13	109.97
14	G	839	CLA	O2D-CGD-CBD	5.51	121.05	111.27
14	B	805	CLA	C4A-NA-C1A	5.51	109.18	106.71
14	B	810	CLA	O2D-CGD-CBD	5.50	121.05	111.27
17	i	101	BCR	C34-C9-C8	5.50	126.75	118.08
14	A	842	CLA	C1D-ND-C4D	-5.50	102.42	106.33
14	Y	814	CLA	O2A-CGA-O1A	-5.50	109.70	123.59
14	h	206	CLA	C3D-C2D-C1D	-5.50	98.32	105.83
14	T	103	CLA	O2A-CGA-O1A	-5.50	109.58	123.30
14	h	201	CLA	O2A-CGA-O1A	-5.50	109.71	123.59
14	H	806	CLA	C1C-C2C-C3C	-5.50	101.17	106.96
14	H	832	CLA	O2A-C1-C2	5.50	123.09	108.64
14	Y	807	CLA	CHD-C1D-ND	-5.50	119.40	124.45
14	H	801	CLA	C1D-ND-C4D	-5.50	102.43	106.33
14	Y	831	CLA	C4A-NA-C1A	5.50	109.18	106.71
17	R	102	BCR	C34-C9-C8	5.50	126.74	118.08
14	A	828	CLA	C1D-ND-C4D	-5.50	102.43	106.33
14	H	808	CLA	C4A-NA-C1A	5.50	109.18	106.71
14	Z	806	CLA	C4A-NA-C1A	5.50	109.18	106.71
14	Y	815	CLA	C1D-ND-C4D	-5.50	102.43	106.33
14	X	1701	CLA	C2D-C1D-ND	5.49	114.15	110.10
14	B	825	CLA	C3D-C2D-C1D	-5.49	98.34	105.83
14	G	825	CLA	C2D-C1D-ND	5.49	114.15	110.10
14	A	823	CLA	C1D-ND-C4D	-5.49	102.44	106.33
14	Y	832	CLA	O2A-C1-C2	5.49	123.06	108.64
14	G	832	CLA	C1C-C2C-C3C	-5.49	101.19	106.96
14	Y	822	CLA	C1C-C2C-C3C	-5.49	101.19	106.96
14	B	832	CLA	C2C-C1C-NC	5.49	115.11	109.97
14	Z	833	CLA	C2D-C1D-ND	5.48	114.14	110.10
14	G	815	CLA	C1D-ND-C4D	-5.48	102.44	106.33
14	U	1004	CLA	C1D-ND-C4D	-5.48	102.44	106.33
14	S	1101	CLA	C4A-NA-C1A	5.48	109.17	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	821	CLA	C2C-C1C-NC	5.48	115.11	109.97
17	G	845	BCR	C15-C14-C13	-5.48	119.49	127.31
14	H	815	CLA	C3D-C2D-C1D	-5.48	98.35	105.83
13	Y	801	CL0	C2D-C1D-ND	5.48	114.14	110.10
14	S	1103	CLA	C1C-C2C-C3C	-5.48	101.20	106.96
14	Z	818	CLA	O2D-CGD-CBD	5.48	121.00	111.27
14	H	810	CLA	C2C-C1C-NC	5.48	115.10	109.97
14	A	843	CLA	O2D-CGD-CBD	5.48	121.00	111.27
17	A	848	BCR	C37-C22-C21	-5.47	115.25	122.92
14	Z	826	CLA	C1C-C2C-C3C	-5.47	101.20	106.96
14	H	818	CLA	C1C-C2C-C3C	-5.47	101.20	106.96
14	Y	806	CLA	C1C-C2C-C3C	-5.47	101.20	106.96
14	H	835	CLA	O2A-CGA-O1A	-5.47	109.67	123.30
14	A	838	CLA	C4A-NA-C1A	5.47	109.17	106.71
17	U	1005	BCR	C34-C9-C8	5.47	126.69	118.08
14	G	814	CLA	C4A-NA-C1A	5.47	109.16	106.71
14	Y	811	CLA	C1C-C2C-C3C	-5.47	101.21	106.96
17	G	847	BCR	C36-C18-C17	-5.46	115.27	122.92
14	Y	807	CLA	C2C-C1C-NC	5.46	115.09	109.97
14	Z	841	CLA	O2D-CGD-CBD	5.46	120.98	111.27
14	H	815	CLA	O2D-CGD-CBD	5.46	120.97	111.27
17	I	101	BCR	C36-C18-C17	-5.46	115.27	122.92
14	Z	826	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	Y	803	CLA	O2A-CGA-O1A	-5.46	109.81	123.59
14	G	813	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	f	102	CLA	O2A-C1-C2	5.46	122.98	108.64
14	G	838	CLA	C1C-C2C-C3C	-5.46	101.22	106.96
14	H	836	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	K	101	CLA	C1C-C2C-C3C	-5.46	101.22	106.96
14	B	824	CLA	O2D-CGD-CBD	5.46	120.96	111.27
14	U	1003	CLA	C1D-ND-C4D	-5.46	102.46	106.33
14	G	836	CLA	O2A-C1-C2	5.46	122.97	108.64
14	S	1102	CLA	C1C-C2C-C3C	-5.45	101.22	106.96
14	Y	805	CLA	C1C-C2C-C3C	-5.45	101.22	106.96
14	G	835	CLA	CHD-C1D-ND	-5.45	119.44	124.45
14	H	811	CLA	C1D-ND-C4D	-5.45	102.46	106.33
14	Y	815	CLA	C4A-NA-C1A	5.45	109.16	106.71
14	B	840	CLA	CHD-C1D-ND	-5.45	119.44	124.45
14	H	824	CLA	O2A-CGA-O1A	-5.45	109.84	123.59
14	B	819	CLA	O2A-CGA-O1A	-5.45	109.72	123.30
17	B	842	BCR	C19-C18-C17	5.45	127.30	118.94
14	T	101	CLA	C4A-NA-C1A	5.44	109.15	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	802	CLA	C2C-C1C-NC	5.44	115.07	109.97
14	A	831	CLA	O2A-CGA-O1A	-5.44	109.87	123.59
14	G	809	CLA	C1D-ND-C4D	-5.44	102.47	106.33
14	Z	826	CLA	C1D-ND-C4D	-5.44	102.47	106.33
14	H	835	CLA	C4A-NA-C1A	5.43	109.15	106.71
17	B	847	BCR	C37-C22-C21	-5.43	115.31	122.92
14	A	815	CLA	C3D-C2D-C1D	-5.43	98.42	105.83
14	A	823	CLA	C3D-C2D-C1D	-5.43	98.42	105.83
14	H	821	CLA	C4A-NA-C1A	5.43	109.15	106.71
14	B	834	CLA	C1D-ND-C4D	-5.43	102.48	106.33
14	Y	834	CLA	C1C-C2C-C3C	-5.43	101.25	106.96
14	Y	820	CLA	C4A-NA-C1A	5.43	109.15	106.71
14	A	829	CLA	C1D-ND-C4D	-5.43	102.48	106.33
17	h	202	BCR	C27-C26-C25	-5.43	114.85	122.73
14	j	102	CLA	C1C-C2C-C3C	-5.43	101.25	106.96
14	A	807	CLA	O2A-CGA-O1A	-5.43	109.90	123.59
14	B	821	CLA	C1C-C2C-C3C	-5.43	101.25	106.96
17	L	208	BCR	C38-C26-C25	5.43	130.62	124.53
14	A	808	CLA	O2A-C1-C2	5.42	122.89	108.64
14	Y	808	CLA	O2A-CGA-O1A	-5.42	109.90	123.59
14	Z	838	CLA	C1D-ND-C4D	-5.42	102.48	106.33
14	G	816	CLA	C1C-C2C-C3C	-5.42	101.26	106.96
14	H	816	CLA	O2D-CGD-CBD	5.42	120.90	111.27
14	d	202	CLA	O2A-CGA-O1A	-5.42	109.78	123.30
14	Z	807	CLA	CMD-C2D-C1D	5.42	134.27	124.71
14	Z	824	CLA	C2D-C1D-ND	5.42	114.10	110.10
14	S	1101	CLA	C2C-C1C-NC	5.42	115.05	109.97
14	B	831	CLA	O2A-CGA-O1A	-5.42	109.92	123.59
14	H	815	CLA	C1D-ND-C4D	-5.42	102.49	106.33
14	G	831	CLA	C4A-NA-C1A	5.41	109.14	106.71
14	Z	819	CLA	O2A-CGA-CBA	5.41	128.89	111.91
14	A	839	CLA	C2C-C1C-NC	5.41	115.04	109.97
14	H	822	CLA	O2D-CGD-CBD	5.41	120.88	111.27
14	Y	816	CLA	C1C-C2C-C3C	-5.41	101.27	106.96
14	G	814	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	Y	809	CLA	C1D-ND-C4D	-5.40	102.50	106.33
14	G	828	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	H	820	CLA	O2D-CGD-CBD	5.40	120.87	111.27
14	H	811	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
17	G	849	BCR	C34-C9-C10	-5.40	115.36	122.92
14	H	833	CLA	O2D-CGD-CBD	5.40	120.86	111.27
14	L	202	CLA	C2C-C1C-NC	5.40	115.03	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	820	CLA	C4A-NA-C1A	5.40	109.13	106.71
14	A	815	CLA	C2C-C1C-NC	5.40	115.03	109.97
14	Z	841	CLA	C3D-C2D-C1D	-5.40	98.47	105.83
17	B	842	BCR	C36-C18-C17	-5.39	115.37	122.92
14	h	204	CLA	C1-O2A-CGA	5.39	130.59	116.44
14	Z	820	CLA	C1C-C2C-C3C	-5.39	101.29	106.96
14	H	806	CLA	C4A-NA-C1A	5.39	109.13	106.71
14	Z	821	CLA	O2A-CGA-O1A	-5.39	109.86	123.30
17	Q	203	BCR	C31-C1-C6	-5.39	101.56	110.30
14	H	829	CLA	O2D-CGD-CBD	5.39	120.84	111.27
14	H	803	CLA	CMB-C2B-C3B	5.38	134.75	124.68
14	Z	836	CLA	C1D-ND-C4D	-5.38	102.51	106.33
14	Y	802	CLA	OBD-CAD-C3D	-5.38	115.56	128.52
17	Y	846	BCR	C37-C22-C21	-5.38	115.38	122.92
14	A	804	CLA	C2D-C1D-ND	5.38	114.07	110.10
14	B	830	CLA	O2D-CGD-CBD	5.38	120.83	111.27
14	A	832	CLA	C2C-C1C-NC	5.38	115.01	109.97
14	Z	804	CLA	C2C-C1C-NC	5.38	115.01	109.97
14	Z	816	CLA	C3D-C2D-C1D	-5.38	98.49	105.83
17	e	101	BCR	C34-C9-C10	-5.38	115.39	122.92
14	S	1103	CLA	C4A-NA-C1A	5.38	109.12	106.71
14	A	812	CLA	C1D-ND-C4D	-5.38	102.52	106.33
17	F	203	BCR	C37-C22-C21	-5.38	115.39	122.92
14	Z	825	CLA	C3D-C2D-C1D	-5.37	98.50	105.83
14	J	101	CLA	C1C-C2C-C3C	-5.37	101.31	106.96
14	U	1007	CLA	CMD-C2D-C1D	5.37	134.18	124.71
14	Y	824	CLA	C2C-C1C-NC	5.37	115.00	109.97
14	Y	813	CLA	O2A-CGA-O1A	-5.37	110.04	123.59
17	V	101	BCR	C36-C18-C17	-5.37	115.40	122.92
14	G	838	CLA	C2D-C1D-ND	5.37	114.06	110.10
14	B	806	CLA	C2D-C1D-ND	5.37	114.06	110.10
17	A	849	BCR	C24-C23-C22	-5.37	118.13	126.23
14	A	824	CLA	C2C-C1C-NC	5.36	115.00	109.97
14	L	201	CLA	C1C-C2C-C3C	-5.36	101.32	106.96
17	H	845	BCR	C40-C30-C25	5.36	119.00	110.30
14	S	1101	CLA	O2D-CGD-CBD	5.36	120.80	111.27
14	h	204	CLA	C2C-C1C-NC	5.36	115.00	109.97
14	Q	202	CLA	C3D-C2D-C1D	-5.36	98.52	105.83
14	Y	813	CLA	C1D-ND-C4D	-5.36	102.53	106.33
14	B	815	CLA	C4A-NA-C1A	5.36	109.11	106.71
14	G	823	CLA	C1D-ND-C4D	-5.36	102.53	106.33
14	A	806	CLA	C1C-C2C-C3C	-5.36	101.32	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	839	CLA	C3D-C2D-C1D	-5.36	98.52	105.83
14	G	813	CLA	C1D-ND-C4D	-5.35	102.53	106.33
14	A	816	CLA	C2C-C1C-NC	5.35	114.99	109.97
14	H	818	CLA	O2D-CGD-CBD	5.35	120.78	111.27
14	Y	822	CLA	CHD-C1D-ND	-5.35	119.54	124.45
14	Y	841	CLA	O2A-CGA-CBA	5.35	128.70	111.91
14	K	101	CLA	OBD-CAD-C3D	-5.35	119.89	128.74
14	A	826	CLA	C1C-C2C-C3C	-5.35	101.33	106.96
14	H	804	CLA	C3D-C2D-C1D	-5.35	98.53	105.83
14	Z	812	CLA	C1C-C2C-C3C	-5.35	101.34	106.96
17	G	846	BCR	C36-C18-C17	-5.35	115.44	122.92
14	G	808	CLA	CHD-C1D-ND	-5.35	119.54	124.45
14	U	1003	CLA	C4A-NA-C1A	5.34	109.11	106.71
14	G	834	CLA	C2C-C1C-NC	5.34	114.98	109.97
14	Y	820	CLA	C1D-ND-C4D	-5.34	102.54	106.33
14	Z	840	CLA	C1D-ND-C4D	-5.34	102.54	106.33
14	Y	828	CLA	CMB-C2B-C3B	5.34	134.68	124.68
14	A	840	CLA	O2A-C1-C2	5.34	122.67	108.64
17	U	1005	BCR	C36-C18-C17	-5.34	115.44	122.92
14	B	831	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
14	G	808	CLA	C1C-C2C-C3C	-5.34	101.34	106.96
14	H	805	CLA	O2A-CGA-O1A	-5.34	110.11	123.59
14	B	811	CLA	C1C-C2C-C3C	-5.34	101.35	106.96
14	B	812	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	Y	814	CLA	O2D-CGD-CBD	5.33	120.75	111.27
17	Z	848	BCR	C19-C18-C17	5.33	127.12	118.94
14	A	829	CLA	O2D-CGD-CBD	5.33	120.75	111.27
14	A	836	CLA	C1D-ND-C4D	-5.33	102.55	106.33
14	U	1002	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	G	823	CLA	C1C-C2C-C3C	-5.33	101.35	106.96
17	A	846	BCR	C34-C9-C10	-5.33	115.46	122.92
14	H	814	CLA	C1D-ND-C4D	-5.33	102.55	106.33
17	G	845	BCR	C8-C7-C6	-5.33	112.24	127.20
14	B	831	CLA	O2D-CGD-CBD	5.32	120.73	111.27
14	Y	804	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	Y	833	CLA	C1C-C2C-C3C	-5.32	101.36	106.96
14	H	802	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	H	836	CLA	CMD-C2D-C1D	5.32	134.09	124.71
14	B	819	CLA	C1C-C2C-C3C	-5.32	101.36	106.96
14	B	804	CLA	CHD-C1D-ND	-5.32	119.57	124.45
14	K	101	CLA	C1D-ND-C4D	-5.31	102.56	106.33
14	Z	829	CLA	C1D-ND-C4D	-5.31	102.56	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	842	CLA	C1C-C2C-C3C	-5.31	101.37	106.96
17	Q	203	BCR	C36-C18-C17	-5.31	115.48	122.92
14	Z	840	CLA	O2A-CGA-O1A	-5.31	110.20	123.59
14	U	1007	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	H	827	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	L	202	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	H	832	CLA	CMD-C2D-C1D	5.30	134.06	124.71
14	H	815	CLA	C1C-C2C-C3C	-5.30	101.38	106.96
17	H	843	BCR	C34-C9-C10	-5.30	115.49	122.92
14	Y	824	CLA	C1D-ND-C4D	-5.30	102.57	106.33
14	Y	817	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	Y	827	CLA	C1D-ND-C4D	-5.30	102.57	106.33
14	Y	803	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	d	201	CLA	C1D-ND-C4D	-5.30	102.57	106.33
14	B	823	CLA	C1C-C2C-C3C	-5.30	101.39	106.96
14	Z	811	CLA	C2C-C1C-NC	5.30	114.93	109.97
14	H	836	CLA	O2A-CGA-O1A	-5.30	110.22	123.59
14	G	826	CLA	C4A-NA-C1A	5.30	109.09	106.71
14	A	839	CLA	C1C-C2C-C3C	-5.30	101.39	106.96
14	H	803	CLA	C1C-C2C-C3C	-5.30	101.39	106.96
14	Z	825	CLA	C4A-NA-C1A	5.29	109.08	106.71
14	B	825	CLA	O2A-C1-C2	5.29	122.54	108.64
14	H	828	CLA	C1D-ND-C4D	-5.29	102.58	106.33
14	g	102	CLA	C1D-ND-C4D	-5.29	102.58	106.33
14	Z	828	CLA	C2D-C1D-ND	5.29	114.00	110.10
14	H	816	CLA	C1C-C2C-C3C	-5.29	101.40	106.96
14	Z	819	CLA	CHD-C1D-ND	-5.29	119.60	124.45
14	A	840	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	S	1103	CLA	O2A-CGA-O1A	-5.28	110.26	123.59
14	Y	839	CLA	C4A-NA-C1A	5.28	109.08	106.71
14	A	805	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	H	825	CLA	OBD-CAD-C3D	-5.28	115.81	128.52
14	A	833	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	G	833	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	H	831	CLA	CHD-C1D-ND	-5.28	119.60	124.45
14	Y	840	CLA	C2C-C1C-NC	5.28	114.92	109.97
14	B	840	CLA	C2C-C1C-NC	5.28	114.92	109.97
14	L	204	CLA	CHD-C1D-ND	-5.28	119.61	124.45
14	Z	833	CLA	C1D-ND-C4D	-5.27	102.59	106.33
14	G	823	CLA	C4A-NA-C1A	5.27	109.08	106.71
14	A	834	CLA	C2C-C1C-NC	5.27	114.91	109.97
14	G	819	CLA	CHD-C1D-ND	-5.27	119.61	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	817	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	T	101	CLA	C1D-ND-C4D	-5.27	102.59	106.33
14	G	812	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	K	102	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	Y	814	CLA	C1D-ND-C4D	-5.26	102.59	106.33
14	G	824	CLA	CHD-C1D-ND	-5.26	119.62	124.45
17	J	104	BCR	C34-C9-C8	5.26	126.37	118.08
17	S	1104	BCR	C7-C8-C9	-5.26	118.28	126.23
14	H	810	CLA	C1D-ND-C4D	-5.26	102.60	106.33
14	B	838	CLA	C2D-C1D-ND	5.26	113.98	110.10
14	Y	818	CLA	O2A-CGA-O1A	-5.26	110.31	123.59
14	Z	832	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	A	810	CLA	C1C-C2C-C3C	-5.26	101.43	106.96
14	K	101	CLA	O2A-CGA-O1A	-5.26	110.19	123.30
14	H	824	CLA	O2A-C1-C2	5.26	122.46	108.64
14	Y	838	CLA	C2D-C1D-ND	5.26	113.98	110.10
14	H	832	CLA	C1C-C2C-C3C	-5.25	101.43	106.96
14	K	102	CLA	C1C-C2C-C3C	-5.25	101.43	106.96
14	H	801	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	A	817	CLA	O2D-CGD-CBD	5.25	120.60	111.27
14	d	201	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	A	809	CLA	C1D-ND-C4D	-5.25	102.60	106.33
17	Z	850	BCR	C34-C9-C10	-5.25	115.57	122.92
14	B	813	CLA	C1C-C2C-C3C	-5.25	101.44	106.96
14	H	807	CLA	C2C-C1C-NC	5.25	114.89	109.97
14	Z	831	CLA	C1C-C2C-C3C	-5.25	101.44	106.96
14	G	803	CLA	O2A-CGA-O1A	-5.25	110.35	123.59
14	A	835	CLA	C1D-ND-C4D	-5.25	102.61	106.33
14	L	202	CLA	C1D-ND-C4D	-5.25	102.61	106.33
17	T	102	BCR	C36-C18-C17	-5.25	115.58	122.92
14	A	835	CLA	C2C-C1C-NC	5.25	114.89	109.97
14	H	817	CLA	C1C-C2C-C3C	-5.25	101.44	106.96
17	Y	853	BCR	C34-C9-C10	-5.24	115.58	122.92
14	B	812	CLA	O2A-CGA-O1A	-5.24	110.36	123.59
14	Y	824	CLA	C3D-C2D-C1D	-5.24	98.67	105.83
17	Y	846	BCR	C33-C5-C6	-5.24	118.64	124.53
14	G	831	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	H	829	CLA	O2A-CGA-O1A	-5.24	110.36	123.59
14	B	814	CLA	C1D-ND-C4D	-5.24	102.61	106.33
14	A	822	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	G	834	CLA	C1D-ND-C4D	-5.24	102.61	106.33
17	Y	849	BCR	C34-C9-C10	-5.24	115.58	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	820	CLA	C1D-ND-C4D	-5.24	102.61	106.33
14	H	835	CLA	C1D-ND-C4D	-5.24	102.61	106.33
14	Q	202	CLA	C1C-C2C-C3C	-5.23	101.46	106.96
14	G	803	CLA	C1C-C2C-C3C	-5.23	101.46	106.96
14	f	102	CLA	C1C-C2C-C3C	-5.23	101.46	106.96
14	H	834	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	Z	837	CLA	C4A-NA-C1A	5.23	109.06	106.71
17	A	847	BCR	C27-C26-C25	-5.23	115.14	122.73
14	A	829	CLA	OBD-CAD-C3D	-5.23	115.94	128.52
14	B	826	CLA	O2A-CGA-O1A	-5.23	110.40	123.59
14	A	834	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	A	813	CLA	C1C-C2C-C3C	-5.22	101.46	106.96
14	Z	841	CLA	O2A-CGA-O1A	-5.22	110.41	123.59
17	H	847	BCR	C37-C22-C21	-5.22	115.61	122.92
14	H	805	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	A	829	CLA	C2C-C1C-NC	5.22	114.86	109.97
14	X	1701	CLA	O2A-CGA-O1A	-5.22	110.29	123.30
17	Z	843	BCR	C36-C18-C17	-5.22	115.61	122.92
14	G	828	CLA	C1D-ND-C4D	-5.22	102.63	106.33
14	T	101	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	A	808	CLA	CHD-C1D-ND	-5.22	119.66	124.45
17	Y	845	BCR	C24-C23-C22	-5.22	118.35	126.23
14	B	833	CLA	C1C-C2C-C3C	-5.22	101.47	106.96
17	G	848	BCR	C37-C22-C21	-5.22	115.62	122.92
14	A	820	CLA	C1C-C2C-C3C	-5.21	101.47	106.96
14	H	823	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
17	I	101	BCR	C34-C9-C8	5.21	126.29	118.08
14	H	810	CLA	O2A-CGA-O1A	-5.21	110.44	123.59
14	G	821	CLA	CHD-C1D-ND	-5.21	119.67	124.45
14	A	825	CLA	O2A-CGA-O1A	-5.21	110.44	123.59
14	S	1102	CLA	O2D-CGD-CBD	5.21	120.52	111.27
14	U	1002	CLA	O2A-CGA-O1A	-5.21	110.45	123.59
14	Z	806	CLA	O2A-CGA-O1A	-5.21	110.45	123.59
14	A	836	CLA	O2A-C1-C2	5.21	122.32	108.64
14	U	1002	CLA	O2D-CGD-CBD	5.21	120.52	111.27
14	Z	808	CLA	O2D-CGD-CBD	5.21	120.52	111.27
14	B	803	CLA	O1D-CGD-CBD	-5.20	113.83	124.48
14	G	804	CLA	C1D-ND-C4D	-5.20	102.64	106.33
14	H	836	CLA	C1D-ND-C4D	-5.20	102.64	106.33
14	Z	828	CLA	C1C-C2C-C3C	-5.20	101.49	106.96
14	K	102	CLA	C1D-ND-C4D	-5.20	102.64	106.33
14	Z	837	CLA	O2A-CGA-O1A	-5.20	110.46	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	819	CLA	O2A-CGA-CBA	5.20	128.23	111.91
14	F	202	CLA	O2A-CGA-O1A	-5.20	110.33	123.30
14	A	837	CLA	C3D-C2D-C1D	-5.20	98.73	105.83
14	G	808	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	Z	822	CLA	C4A-NA-C1A	5.20	109.04	106.71
14	G	806	CLA	O2D-CGD-CBD	5.20	120.50	111.27
14	B	834	CLA	O2A-CGA-O1A	-5.20	110.34	123.30
14	Y	812	CLA	C1D-ND-C4D	-5.20	102.64	106.33
17	i	101	BCR	C23-C24-C25	-5.20	112.61	127.20
14	A	841	CLA	CHD-C1D-ND	-5.20	119.68	124.45
14	A	836	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
17	U	1008	BCR	C23-C24-C25	-5.19	112.61	127.20
14	L	202	CLA	C4A-NA-C1A	5.19	109.04	106.71
14	A	854	CLA	C1C-C2C-C3C	-5.19	101.50	106.96
14	W	1701	CLA	O2A-CGA-O1A	-5.19	110.36	123.30
18	Y	851	LHG	O7-C7-C8	5.19	120.64	111.09
14	U	1002	CLA	C1C-C2C-C3C	-5.19	101.50	106.96
14	A	832	CLA	C1D-ND-C4D	-5.19	102.65	106.33
17	B	846	BCR	C33-C5-C6	-5.19	118.70	124.53
14	Y	812	CLA	C1C-C2C-C3C	-5.19	101.50	106.96
14	h	205	CLA	CHD-C1D-ND	-5.19	119.69	124.45
14	Z	832	CLA	C1C-C2C-C3C	-5.19	101.50	106.96
14	L	206	CLA	CHD-C1D-ND	-5.19	119.69	124.45
14	J	102	CLA	O2A-CGA-CBA	5.19	128.18	111.91
14	Y	810	CLA	C2C-C1C-NC	5.19	114.83	109.97
14	A	818	CLA	O2A-CGA-O1A	-5.19	110.50	123.59
14	H	805	CLA	C4A-NA-C1A	5.18	109.04	106.71
14	Z	813	CLA	O2A-CGA-O1A	-5.18	110.38	123.30
14	A	842	CLA	C1C-C2C-C3C	-5.18	101.51	106.96
17	L	208	BCR	C24-C23-C22	-5.18	118.41	126.23
17	h	202	BCR	C37-C22-C21	-5.18	115.67	122.92
14	Y	803	CLA	C1C-C2C-C3C	-5.18	101.51	106.96
17	H	850	BCR	C23-C24-C25	-5.18	112.66	127.20
14	H	830	CLA	C3D-C2D-C1D	-5.18	98.76	105.83
14	A	816	CLA	CHD-C1D-ND	-5.18	119.69	124.45
14	B	820	CLA	C1C-C2C-C3C	-5.18	101.51	106.96
14	Y	818	CLA	O2D-CGD-CBD	5.18	120.47	111.27
14	A	832	CLA	C4A-NA-C1A	5.18	109.03	106.71
14	A	843	CLA	O2A-CGA-CBA	5.17	128.15	111.91
14	A	814	CLA	C1D-ND-C4D	-5.17	102.66	106.33
14	Y	823	CLA	CHD-C1D-ND	-5.17	119.70	124.45
14	Y	826	CLA	C1D-ND-C4D	-5.17	102.66	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	833	CLA	C4A-NA-C1A	5.17	109.03	106.71
14	G	815	CLA	C4A-NA-C1A	5.17	109.03	106.71
14	Y	840	CLA	C4A-NA-C1A	5.17	109.03	106.71
14	Z	834	CLA	C1D-ND-C4D	-5.17	102.66	106.33
14	Z	805	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	B	829	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
17	h	202	BCR	C38-C26-C25	5.17	130.33	124.53
14	B	817	CLA	O2A-CGA-O1A	-5.17	110.55	123.59
14	Y	834	CLA	O2A-CGA-O1A	-5.17	110.42	123.30
17	Z	843	BCR	C34-C9-C8	5.16	126.21	118.08
14	Z	819	CLA	C1-O2A-CGA	5.16	129.99	116.44
14	Z	823	CLA	O2A-C1-C2	5.16	122.20	108.64
14	G	827	CLA	C1D-ND-C4D	-5.16	102.67	106.33
14	Y	823	CLA	O2A-CGA-O1A	-5.16	110.57	123.59
14	H	803	CLA	C4A-NA-C1A	5.16	109.03	106.71
14	Y	813	CLA	C4A-NA-C1A	5.16	109.03	106.71
17	S	1105	BCR	C31-C1-C6	-5.16	101.93	110.30
14	Z	814	CLA	O2A-CGA-O1A	-5.16	110.57	123.59
14	B	802	CLA	C4A-NA-C1A	5.16	109.03	106.71
14	H	826	CLA	C1D-ND-C4D	-5.16	102.67	106.33
14	W	1701	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	A	817	CLA	O2A-CGA-O1A	-5.16	110.58	123.59
14	Z	835	CLA	C2C-C1C-NC	5.16	114.80	109.97
14	Z	802	CLA	C1D-ND-C4D	-5.16	102.67	106.33
14	A	811	CLA	C4A-NA-C1A	5.16	109.02	106.71
14	Z	819	CLA	C4A-NA-C1A	5.16	109.02	106.71
14	Y	812	CLA	C3D-C2D-C1D	-5.16	98.80	105.83
14	h	201	CLA	C1C-C2C-C3C	-5.15	101.54	106.96
14	H	813	CLA	O2A-CGA-O1A	-5.15	110.58	123.59
14	U	1006	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	B	815	CLA	C1D-ND-C4D	-5.15	102.67	106.33
14	H	838	CLA	C4A-NA-C1A	5.15	109.02	106.71
17	M	101	BCR	C23-C24-C25	-5.15	112.73	127.20
14	Y	819	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	Z	819	CLA	C1D-ND-C4D	-5.15	102.68	106.33
14	A	837	CLA	C1C-C2C-C3C	-5.15	101.55	106.96
14	G	802	CLA	C4A-NA-C1A	5.15	109.02	106.71
14	H	802	CLA	C1D-ND-C4D	-5.15	102.68	106.33
14	A	836	CLA	C2C-C1C-NC	5.14	114.79	109.97
14	B	803	CLA	C1C-C2C-C3C	-5.14	101.55	106.96
14	Y	810	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	H	822	CLA	C3D-C2D-C1D	-5.14	98.82	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	T	103	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	B	836	CLA	C1C-C2C-C3C	-5.14	101.55	106.96
14	H	824	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	A	837	CLA	C2C-C1C-NC	5.14	114.78	109.97
14	H	819	CLA	C1D-ND-C4D	-5.13	102.69	106.33
14	G	813	CLA	OBD-CAD-C3D	-5.13	116.17	128.52
14	A	818	CLA	C2C-C1C-NC	5.13	114.78	109.97
17	G	845	BCR	C30-C25-C26	-5.13	115.38	122.61
14	Z	807	CLA	C2C-C1C-NC	5.13	114.78	109.97
14	U	1004	CLA	C1C-C2C-C3C	-5.13	101.56	106.96
17	M	101	BCR	C34-C9-C8	5.13	126.16	118.08
14	A	834	CLA	O2A-C1-C2	5.13	122.12	108.64
17	L	208	BCR	C8-C7-C6	-5.13	112.80	127.20
14	G	823	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	H	827	CLA	C2C-C1C-NC	5.13	114.78	109.97
14	H	840	CLA	OBD-CAD-C3D	-5.13	116.18	128.52
14	Z	821	CLA	C2C-C1C-NC	5.13	114.77	109.97
14	H	828	CLA	O2A-C1-C2	5.12	122.10	108.64
14	G	807	CLA	O2D-CGD-CBD	5.12	120.37	111.27
14	U	1006	CLA	O2A-C1-C2	5.12	122.09	108.64
14	G	842	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	814	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	832	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	G	802	CLA	O2A-CGA-CBA	5.12	127.97	111.91
14	H	840	CLA	C2C-C1C-NC	5.12	114.77	109.97
17	Z	850	BCR	C19-C18-C17	5.12	126.80	118.94
14	A	808	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	G	829	CLA	O2D-CGD-CBD	5.12	120.36	111.27
17	H	847	BCR	C34-C9-C10	-5.12	115.76	122.92
14	G	835	CLA	O2A-CGA-O1A	-5.12	110.55	123.30
14	B	837	CLA	C2C-C1C-NC	5.11	114.76	109.97
14	G	835	CLA	C1D-ND-C4D	-5.11	102.70	106.33
14	A	802	CLA	O2A-CGA-CBA	5.11	127.95	111.91
14	A	820	CLA	O2A-CGA-O1A	-5.11	110.69	123.59
14	G	830	CLA	O2A-CGA-O1A	-5.11	110.69	123.59
14	h	206	CLA	O2A-CGA-CBA	5.11	127.95	111.91
17	A	846	BCR	C34-C9-C8	5.11	126.13	118.08
14	A	837	CLA	C1D-ND-C4D	-5.11	102.70	106.33
17	B	844	BCR	C33-C5-C6	-5.11	118.79	124.53
14	J	102	CLA	C1C-C2C-C3C	-5.11	101.58	106.96
14	L	205	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	B	818	CLA	O2A-C1-C2	5.11	122.06	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	g	101	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	G	806	CLA	C4A-NA-C1A	5.10	109.00	106.71
14	Z	829	CLA	O2A-CGA-O1A	-5.10	110.71	123.59
14	H	832	CLA	C1D-ND-C4D	-5.10	102.71	106.33
14	H	811	CLA	C1C-C2C-C3C	-5.10	101.59	106.96
14	H	816	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	B	811	CLA	C1D-ND-C4D	-5.10	102.71	106.33
14	f	101	CLA	O2A-CGA-O1A	-5.10	110.59	123.30
14	B	806	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	B	829	CLA	CHD-C1D-ND	-5.10	119.77	124.45
14	Y	826	CLA	C4A-NA-C1A	5.10	109.00	106.71
14	Z	832	CLA	C1D-ND-C4D	-5.10	102.72	106.33
17	S	1104	BCR	C11-C10-C9	5.10	134.58	127.31
14	Y	839	CLA	CHD-C1D-ND	-5.09	119.77	124.45
14	B	839	CLA	CAC-C3C-C4C	5.09	131.42	124.81
14	Y	841	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	A	836	CLA	C4A-NA-C1A	5.09	109.00	106.71
14	B	808	CLA	C4A-NA-C1A	5.09	109.00	106.71
17	Y	849	BCR	C32-C1-C6	5.09	118.56	110.30
14	A	838	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
17	A	851	BCR	C34-C9-C8	5.09	126.10	118.08
14	Y	816	CLA	C1D-ND-C4D	-5.09	102.72	106.33
14	G	830	CLA	C4A-NA-C1A	5.09	108.99	106.71
14	U	1004	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	H	838	CLA	C1C-C2C-C3C	-5.09	101.61	106.96
14	H	817	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	H	827	CLA	O2A-CGA-O1A	-5.09	110.75	123.59
14	Z	819	CLA	O2A-CGA-O1A	-5.09	110.75	123.59
14	B	810	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	Z	816	CLA	C1C-C2C-C3C	-5.09	101.61	106.96
14	G	810	CLA	O2D-CGD-CBD	5.09	120.31	111.27
14	Y	830	CLA	O2A-CGA-O1A	-5.09	110.76	123.59
17	U	1008	BCR	C34-C9-C10	-5.08	115.80	122.92
17	F	203	BCR	C35-C13-C14	-5.08	115.80	122.92
14	T	101	CLA	C1C-C2C-C3C	-5.08	101.61	106.96
14	H	816	CLA	C4A-NA-C1A	5.08	108.99	106.71
14	Z	801	CLA	C2C-C1C-NC	5.08	114.73	109.97
14	H	809	CLA	CAC-C3C-C4C	5.08	131.40	124.81
14	Z	838	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	A	819	CLA	C4A-NA-C1A	5.08	108.99	106.71
14	H	834	CLA	O2A-CGA-O1A	-5.08	110.64	123.30
14	B	818	CLA	C3D-C2D-C1D	-5.08	98.90	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	846	BCR	C24-C23-C22	-5.08	118.56	126.23
14	A	814	CLA	O2D-CGD-CBD	5.08	120.29	111.27
14	Z	814	CLA	C1C-C2C-C3C	-5.08	101.62	106.96
14	H	825	CLA	O2A-CGA-CBA	5.07	127.83	111.91
14	A	824	CLA	C1D-ND-C4D	-5.07	102.73	106.33
14	Y	833	CLA	O2A-CGA-O1A	-5.07	110.79	123.59
14	B	828	CLA	O2A-C1-C2	5.07	121.96	108.64
14	A	811	CLA	O2A-CGA-O1A	-5.07	110.67	123.30
14	G	842	CLA	O2A-C1-C2	5.07	121.95	108.64
14	H	812	CLA	O2D-CGD-CBD	5.07	120.27	111.27
14	H	803	CLA	C2D-C1D-ND	5.07	113.84	110.10
14	Y	807	CLA	C1C-C2C-C3C	-5.06	101.63	106.96
14	J	101	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	B	802	CLA	C2C-C1C-NC	5.06	114.71	109.97
14	Z	804	CLA	C2D-C1D-ND	5.06	113.83	110.10
14	G	820	CLA	O2D-CGD-CBD	5.06	120.26	111.27
14	A	854	CLA	O2A-C1-C2	5.06	121.93	108.64
14	A	805	CLA	C4A-NA-C1A	5.06	108.98	106.71
14	Z	834	CLA	C4A-NA-C1A	5.06	108.98	106.71
14	A	826	CLA	CAC-C3C-C4C	5.05	131.37	124.81
17	Y	849	BCR	C28-C27-C26	-5.05	105.05	114.08
14	G	840	CLA	C1C-C2C-C3C	-5.05	101.64	106.96
14	Y	831	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	H	817	CLA	O2A-CGA-CBA	5.05	127.76	111.91
14	A	809	CLA	C2C-C1C-NC	5.05	114.70	109.97
14	B	836	CLA	C2C-C1C-NC	5.05	114.70	109.97
14	Z	817	CLA	O2A-CGA-O1A	-5.05	110.84	123.59
14	A	818	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	G	812	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	A	814	CLA	C4A-NA-C1A	5.05	108.98	106.71
14	Y	821	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	B	812	CLA	CAC-C3C-C4C	5.05	131.36	124.81
14	B	840	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	F	202	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	A	820	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
17	G	847	BCR	C34-C9-C10	-5.05	115.86	122.92
14	S	1103	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	Y	817	CLA	C2C-C1C-NC	5.04	114.70	109.97
14	H	828	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	G	806	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	G	812	CLA	C1C-C2C-C3C	-5.04	101.66	106.96
14	Z	813	CLA	C3D-C2D-C1D	-5.04	98.95	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	834	CLA	C1D-ND-C4D	-5.04	102.76	106.33
14	Y	823	CLA	C2C-C1C-NC	5.04	114.69	109.97
14	B	832	CLA	C1C-C2C-C3C	-5.04	101.66	106.96
14	Z	817	CLA	C1C-C2C-C3C	-5.04	101.66	106.96
14	Y	805	CLA	C4A-NA-C1A	5.04	108.97	106.71
17	J	103	BCR	C37-C22-C21	-5.04	115.87	122.92
14	B	817	CLA	O2A-CGA-CBA	5.04	127.71	111.91
14	Y	817	CLA	O2A-C1-C2	5.03	121.87	108.64
14	Y	829	CLA	C2D-C1D-ND	5.03	113.81	110.10
17	R	101	BCR	C24-C23-C22	-5.03	118.63	126.23
14	G	837	CLA	C1D-ND-C4D	-5.03	102.76	106.33
14	Y	811	CLA	O2A-CGA-O1A	-5.03	110.89	123.59
14	H	851	CLA	O2A-C1-C2	5.03	121.86	108.64
14	A	836	CLA	O2A-CGA-CBA	5.03	127.69	111.91
14	G	819	CLA	C1D-ND-C4D	-5.03	102.76	106.33
14	Y	824	CLA	C4A-NA-C1A	5.03	108.97	106.71
14	Z	818	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	G	824	CLA	O2D-CGD-CBD	5.03	120.20	111.27
14	H	812	CLA	C1C-C2C-C3C	-5.02	101.67	106.96
17	Y	849	BCR	C7-C8-C9	-5.02	118.64	126.23
14	H	823	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	d	202	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	Y	841	CLA	CHD-C1D-ND	-5.02	119.84	124.45
14	X	1701	CLA	O2D-CGD-CBD	5.02	120.19	111.27
14	B	836	CLA	C3D-C2D-C1D	-5.02	98.98	105.83
14	h	206	CLA	O2A-CGA-O1A	-5.02	110.93	123.59
14	A	802	CLA	C1C-C2C-C3C	-5.02	101.68	106.96
14	Y	802	CLA	C1C-C2C-C3C	-5.02	101.68	106.96
14	B	807	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	H	827	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	G	820	CLA	C3D-C2D-C1D	-5.02	98.99	105.83
14	A	841	CLA	C2C-C1C-NC	5.01	114.67	109.97
17	A	850	BCR	C34-C9-C8	5.01	125.98	118.08
14	G	808	CLA	O2A-CGA-O1A	-5.01	110.94	123.59
14	H	809	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	S	1102	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	Z	809	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
17	Z	847	BCR	C8-C7-C6	-5.01	113.13	127.20
14	Z	833	CLA	O2A-CGA-O1A	-5.01	110.95	123.59
14	H	806	CLA	C2D-C1D-ND	5.01	113.80	110.10
14	T	101	CLA	O2A-CGA-O1A	-5.01	110.82	123.30
14	B	818	CLA	C1C-C2C-C3C	-5.01	101.69	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	825	CLA	C1D-ND-C4D	-5.01	102.78	106.33
17	G	848	BCR	C33-C5-C6	-5.01	118.91	124.53
14	H	806	CLA	O2A-CGA-O1A	-5.01	110.96	123.59
14	A	839	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
17	h	207	BCR	C34-C9-C10	-5.01	115.91	122.92
14	Z	813	CLA	C4A-NA-C1A	5.00	108.96	106.71
17	Y	848	BCR	C37-C22-C21	-5.00	115.91	122.92
18	Y	850	LHG	O8-C23-C24	5.00	127.61	111.91
14	Y	839	CLA	C1-O2A-CGA	5.00	129.57	116.44
14	H	835	CLA	C3D-C2D-C1D	-5.00	99.00	105.83
14	G	814	CLA	C1C-C2C-C3C	-5.00	101.70	106.96
17	Z	848	BCR	C34-C9-C8	5.00	125.96	118.08
14	H	834	CLA	CHD-C1D-ND	-5.00	119.86	124.45
14	Y	807	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	B	823	CLA	C4A-NA-C1A	5.00	108.95	106.71
14	h	201	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	Z	822	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	f	102	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	G	828	CLA	C2C-C1C-NC	5.00	114.65	109.97
14	Y	803	CLA	C1D-ND-C4D	-4.99	102.79	106.33
14	G	817	CLA	C1D-ND-C4D	-4.99	102.79	106.33
17	T	102	BCR	C23-C24-C25	-4.99	113.19	127.20
14	A	836	CLA	C1C-C2C-C3C	-4.99	101.71	106.96
14	B	838	CLA	C2C-C1C-NC	4.99	114.65	109.97
14	B	827	CLA	C1D-ND-C4D	-4.99	102.79	106.33
14	Z	821	CLA	C1D-ND-C4D	-4.99	102.79	106.33
14	B	813	CLA	O2D-CGD-CBD	4.99	120.13	111.27
14	H	831	CLA	O2D-CGD-CBD	4.99	120.13	111.27
14	B	810	CLA	C1C-C2C-C3C	-4.99	101.71	106.96
14	Y	824	CLA	O2A-CGA-O1A	-4.99	111.00	123.59
17	G	848	BCR	C24-C23-C22	-4.99	118.70	126.23
14	G	821	CLA	C1C-C2C-C3C	-4.99	101.71	106.96
14	A	828	CLA	C3D-C2D-C1D	-4.99	99.03	105.83
14	G	812	CLA	O2A-CGA-O1A	-4.99	111.01	123.59
14	A	825	CLA	O2A-CGA-CBA	4.99	127.55	111.91
14	A	835	CLA	C1C-C2C-C3C	-4.98	101.72	106.96
14	A	804	CLA	O2A-CGA-O1A	-4.98	111.01	123.59
14	f	102	CLA	C1D-ND-C4D	-4.98	102.80	106.33
14	H	833	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
17	i	101	BCR	C37-C22-C21	-4.98	115.95	122.92
14	H	837	CLA	C2C-C1C-NC	4.98	114.64	109.97
14	J	101	CLA	O2D-CGD-CBD	4.98	120.12	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	815	CLA	CHD-C1D-ND	-4.98	119.88	124.45
17	F	203	BCR	C31-C1-C6	-4.98	102.22	110.30
14	Y	813	CLA	O2A-C1-C2	4.98	121.72	108.64
14	G	829	CLA	C2D-C1D-ND	4.98	113.77	110.10
14	Y	815	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
14	h	204	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
14	Z	836	CLA	C4A-NA-C1A	4.98	108.94	106.71
14	G	805	CLA	O2D-CGD-CBD	4.97	120.11	111.27
14	Z	808	CLA	C1D-ND-C4D	-4.97	102.80	106.33
14	B	829	CLA	O2D-CGD-CBD	4.97	120.11	111.27
17	B	843	BCR	C36-C18-C17	-4.97	115.96	122.92
14	Y	810	CLA	C4A-NA-C1A	4.97	108.94	106.71
14	f	102	CLA	O2A-CGA-O1A	-4.97	111.04	123.59
14	H	823	CLA	C1C-C2C-C3C	-4.97	101.73	106.96
14	G	820	CLA	O2A-CGA-O1A	-4.97	111.04	123.59
17	i	101	BCR	C19-C18-C17	4.97	126.57	118.94
14	Z	836	CLA	C1C-C2C-C3C	-4.97	101.73	106.96
14	Z	801	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	H	817	CLA	CHD-C1D-ND	-4.97	119.89	124.45
14	B	833	CLA	C1D-ND-C4D	-4.97	102.80	106.33
14	A	803	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	Y	840	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	Z	823	CLA	C1C-C2C-C3C	-4.97	101.73	106.96
14	A	803	CLA	O2D-CGD-CBD	4.97	120.09	111.27
17	Y	852	BCR	C37-C22-C21	-4.97	115.97	122.92
14	G	813	CLA	O2A-CGA-O1A	-4.97	111.06	123.59
14	B	809	CLA	O2A-CGA-O1A	-4.97	111.06	123.59
14	Z	839	CLA	O2A-CGA-O1A	-4.97	110.92	123.30
14	Z	802	CLA	C4A-NA-C1A	4.96	108.94	106.71
17	Y	848	BCR	C34-C9-C8	4.96	125.90	118.08
14	J	102	CLA	O2A-C1-C2	4.96	121.68	108.64
14	Y	816	CLA	C3D-C2D-C1D	-4.96	99.06	105.83
14	U	1004	CLA	C4A-NA-C1A	4.96	108.94	106.71
13	A	801	CL0	O2A-CGA-CBA	4.96	127.48	111.91
17	A	847	BCR	C37-C22-C21	-4.96	115.98	122.92
14	B	810	CLA	O2A-CGA-O1A	-4.96	111.08	123.59
14	L	204	CLA	C4A-NA-C1A	4.96	108.94	106.71
17	Q	203	BCR	C23-C24-C25	-4.96	113.28	127.20
14	G	837	CLA	CHD-C1D-ND	-4.96	119.90	124.45
17	h	202	BCR	C34-C9-C10	-4.96	115.98	122.92
14	A	854	CLA	C1D-ND-C4D	-4.96	102.81	106.33
17	Z	847	BCR	C34-C9-C10	-4.95	115.98	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L	204	CLA	C3D-C2D-C1D	-4.95	99.07	105.83
17	Y	849	BCR	C1-C6-C7	4.95	129.79	115.78
14	Z	821	CLA	C3D-C2D-C1D	-4.95	99.07	105.83
14	B	828	CLA	O2D-CGD-CBD	4.95	120.07	111.27
14	h	205	CLA	O2D-CGD-CBD	4.95	120.07	111.27
14	Z	841	CLA	C1C-C2C-C3C	-4.95	101.75	106.96
14	A	819	CLA	O2A-C1-C2	4.95	121.64	108.64
14	Z	803	CLA	C1C-C2C-C3C	-4.95	101.75	106.96
14	Y	809	CLA	C3D-C2D-C1D	-4.95	99.08	105.83
14	A	834	CLA	C1C-C2C-C3C	-4.95	101.76	106.96
14	Y	806	CLA	O2A-CGA-CBA	4.95	127.43	111.91
14	G	811	CLA	O2A-CGA-O1A	-4.94	111.11	123.59
14	Y	816	CLA	O2A-CGA-O1A	-4.94	111.12	123.59
14	H	821	CLA	C1D-ND-C4D	-4.94	102.82	106.33
14	Y	809	CLA	C1C-C2C-C3C	-4.94	101.76	106.96
14	A	811	CLA	C1D-ND-C4D	-4.94	102.83	106.33
14	G	809	CLA	C2C-C1C-NC	4.94	114.60	109.97
14	Z	841	CLA	O2A-C1-C2	4.94	121.61	108.64
14	A	841	CLA	C3D-C2D-C1D	-4.94	99.10	105.83
14	Z	830	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
14	Y	835	CLA	C1C-C2C-C3C	-4.93	101.77	106.96
14	Z	812	CLA	O2A-C1-C2	4.93	121.59	108.64
14	G	803	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	Z	830	CLA	C1D-ND-C4D	-4.93	102.83	106.33
14	G	809	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	Z	822	CLA	O2A-CGA-O1A	-4.92	111.02	123.30
17	Z	850	BCR	C34-C9-C8	4.92	125.84	118.08
17	Z	850	BCR	C15-C14-C13	-4.92	120.28	127.31
17	F	201	BCR	C37-C22-C21	-4.92	116.03	122.92
14	G	819	CLA	C4A-NA-C1A	4.92	108.92	106.71
14	H	825	CLA	C1D-ND-C4D	-4.92	102.84	106.33
14	U	1006	CLA	O2A-CGA-O1A	-4.92	111.17	123.59
14	G	842	CLA	O2A-CGA-O1A	-4.92	111.17	123.59
14	H	812	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	A	818	CLA	C1C-C2C-C3C	-4.92	101.78	106.96
14	H	826	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	H	840	CLA	CAC-C3C-C2C	4.92	135.94	127.53
17	Y	853	BCR	C37-C22-C21	-4.92	116.03	122.92
14	B	822	CLA	C1D-ND-C4D	-4.92	102.84	106.33
14	Z	834	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	H	831	CLA	O2A-CGA-O1A	-4.92	111.18	123.59
14	G	853	CLA	C3D-C2D-C1D	-4.92	99.12	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	844	BCR	C34-C9-C10	-4.92	116.04	122.92
14	B	822	CLA	O2A-CGA-O1A	-4.91	111.19	123.59
14	B	811	CLA	CHD-C1D-ND	-4.91	119.94	124.45
14	Z	815	CLA	C1D-ND-C4D	-4.91	102.85	106.33
14	Z	802	CLA	O2A-C1-C2	4.91	121.54	108.64
14	Z	820	CLA	C3D-C2D-C1D	-4.91	99.14	105.83
14	A	854	CLA	C3D-C2D-C1D	-4.91	99.14	105.83
14	H	851	CLA	O2A-CGA-CBA	4.90	127.30	111.91
14	Y	818	CLA	O2A-CGA-CBA	4.90	127.30	111.91
14	A	812	CLA	C3D-C2D-C1D	-4.90	99.14	105.83
14	H	835	CLA	C2C-C1C-NC	4.90	114.57	109.97
14	G	809	CLA	CHD-C1D-ND	-4.90	119.95	124.45
14	Z	801	CLA	C1C-C2C-C3C	-4.90	101.80	106.96
17	Z	845	BCR	C24-C23-C22	-4.90	118.83	126.23
14	H	826	CLA	O2D-CGD-CBD	4.90	119.98	111.27
14	Z	813	CLA	C1D-ND-C4D	-4.90	102.85	106.33
17	I	102	BCR	C34-C9-C8	4.90	125.80	118.08
14	B	835	CLA	C3D-C2D-C1D	-4.90	99.15	105.83
14	Z	829	CLA	O2D-CGD-CBD	4.89	119.96	111.27
17	U	1008	BCR	C36-C18-C17	-4.89	116.07	122.92
14	H	812	CLA	O2A-CGA-O1A	-4.89	111.11	123.30
17	J	104	BCR	C34-C9-C10	-4.89	116.07	122.92
14	Z	802	CLA	O2A-CGA-O1A	-4.89	111.25	123.59
14	A	815	CLA	CHD-C1D-ND	-4.89	119.96	124.45
17	I	101	BCR	C19-C18-C17	4.89	126.44	118.94
14	B	809	CLA	CAC-C3C-C4C	4.89	131.15	124.81
14	U	1007	CLA	C1D-ND-C4D	-4.89	102.86	106.33
14	H	817	CLA	O2D-CGD-CBD	4.89	119.95	111.27
14	Z	826	CLA	O2D-CGD-CBD	4.89	119.95	111.27
14	Z	804	CLA	O2A-C1-C2	4.89	121.48	108.64
14	Y	820	CLA	C1C-C2C-C3C	-4.89	101.82	106.96
14	Z	813	CLA	C1C-C2C-C3C	-4.89	101.82	106.96
14	B	826	CLA	C2C-C1C-NC	4.89	114.55	109.97
14	h	204	CLA	C1C-C2C-C3C	-4.88	101.82	106.96
17	B	843	BCR	C19-C18-C17	4.88	126.44	118.94
14	G	829	CLA	C1C-C2C-C3C	-4.88	101.82	106.96
14	Y	819	CLA	C1C-C2C-C3C	-4.88	101.82	106.96
14	H	851	CLA	C1D-ND-C4D	-4.88	102.87	106.33
14	Q	202	CLA	O2D-CGD-CBD	4.88	119.94	111.27
14	B	814	CLA	C4A-NA-C1A	4.88	108.90	106.71
14	H	821	CLA	CHD-C1D-ND	-4.88	119.97	124.45
14	Z	833	CLA	C1C-C2C-C3C	-4.88	101.83	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	850	BCR	C36-C18-C17	-4.88	116.09	122.92
14	U	1006	CLA	C1D-ND-C4D	-4.88	102.87	106.33
14	G	836	CLA	C3D-C2D-C1D	-4.88	99.17	105.83
14	H	808	CLA	C1D-ND-C4D	-4.88	102.87	106.33
14	A	816	CLA	C1C-C2C-C3C	-4.88	101.83	106.96
14	U	1003	CLA	CMB-C2B-C3B	4.88	133.80	124.68
14	B	839	CLA	C2C-C1C-NC	4.88	114.54	109.97
14	Z	839	CLA	C3D-C2D-C1D	-4.88	99.18	105.83
14	B	815	CLA	C3D-C2D-C1D	-4.88	99.18	105.83
14	L	202	CLA	C1C-C2C-C3C	-4.88	101.83	106.96
14	A	807	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
14	L	201	CLA	O2D-CGD-CBD	4.87	119.93	111.27
14	Z	840	CLA	C1C-C2C-C3C	-4.87	101.83	106.96
14	G	811	CLA	O2A-C1-C2	4.87	121.44	108.64
13	G	801	CL0	C1-O2A-CGA	4.87	129.23	116.44
14	Y	820	CLA	O2A-CGA-O1A	-4.87	111.29	123.59
17	Y	848	BCR	C33-C5-C6	-4.87	119.06	124.53
17	A	846	BCR	C36-C18-C17	-4.87	116.10	122.92
17	L	207	BCR	C37-C22-C21	-4.87	116.10	122.92
14	A	817	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
14	Z	834	CLA	O2A-CGA-O1A	-4.87	111.16	123.30
14	S	1101	CLA	CHD-C1D-ND	-4.87	119.98	124.45
14	Y	808	CLA	C1C-C2C-C3C	-4.87	101.84	106.96
17	A	848	BCR	C28-C27-C26	-4.87	105.38	114.08
14	Y	807	CLA	O2A-CGA-O1A	-4.87	111.30	123.59
14	H	816	CLA	O2A-CGA-O1A	-4.87	111.31	123.59
14	H	828	CLA	C1C-C2C-C3C	-4.87	101.84	106.96
17	B	844	BCR	C34-C9-C8	4.86	125.74	118.08
14	G	839	CLA	C2D-C1D-ND	4.86	113.69	110.10
14	Y	814	CLA	C3D-C2D-C1D	-4.86	99.19	105.83
14	G	833	CLA	O2A-C1-C2	4.86	121.42	108.64
17	H	844	BCR	C4-C5-C6	-4.86	115.67	122.73
14	Z	824	CLA	O2A-CGA-O1A	-4.86	111.32	123.59
14	Y	822	CLA	O2A-CGA-CBA	4.86	127.17	111.91
14	Y	818	CLA	C1D-ND-C4D	-4.86	102.88	106.33
14	S	1103	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
14	G	836	CLA	O2A-CGA-O1A	-4.86	111.33	123.59
14	Y	823	CLA	C4A-NA-C1A	4.86	108.89	106.71
14	G	807	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
14	Y	828	CLA	O2A-CGA-O1A	-4.86	111.34	123.59
14	B	811	CLA	C4A-NA-C1A	4.86	108.89	106.71
14	H	802	CLA	O2A-C1-C2	4.86	121.40	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	802	CLA	C1C-C2C-C3C	-4.85	101.86	106.96
14	Y	836	CLA	C1C-C2C-C3C	-4.85	101.86	106.96
14	A	810	CLA	C1D-ND-C4D	-4.85	102.89	106.33
14	U	1002	CLA	C1D-ND-C4D	-4.85	102.89	106.33
14	Z	823	CLA	O2A-CGA-O1A	-4.85	111.35	123.59
14	Y	836	CLA	C4A-NA-C1A	4.85	108.89	106.71
14	A	805	CLA	CMB-C2B-C3B	4.85	133.75	124.68
17	U	1009	BCR	C34-C9-C10	-4.85	116.13	122.92
14	H	822	CLA	O2A-CGA-O1A	-4.85	111.36	123.59
14	X	1701	CLA	C1C-C2C-C3C	-4.85	101.86	106.96
17	Y	852	BCR	C36-C18-C17	-4.85	116.13	122.92
17	B	850	BCR	C3-C4-C5	-4.85	105.42	114.08
17	A	847	BCR	C8-C7-C6	-4.85	113.59	127.20
14	A	822	CLA	C1C-C2C-C3C	-4.85	101.86	106.96
14	H	811	CLA	O2D-CGD-CBD	4.85	119.88	111.27
14	Z	815	CLA	O2A-CGA-O1A	-4.85	111.36	123.59
14	H	835	CLA	O2D-CGD-CBD	4.84	119.88	111.27
14	B	805	CLA	O2A-CGA-O1A	-4.84	111.37	123.59
14	A	809	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
14	G	838	CLA	C1D-ND-C4D	-4.84	102.89	106.33
14	Y	822	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
14	G	836	CLA	OBD-CAD-C3D	-4.84	116.87	128.52
14	G	810	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
17	A	851	BCR	C31-C1-C6	-4.84	102.45	110.30
14	A	803	CLA	OBD-CAD-C3D	-4.84	116.87	128.52
14	G	837	CLA	O2A-CGA-O1A	-4.84	111.38	123.59
14	H	804	CLA	O2A-CGA-O1A	-4.84	111.38	123.59
14	L	201	CLA	C4A-NA-C1A	4.84	108.88	106.71
14	G	827	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	H	818	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	G	805	CLA	CMC-C2C-C1C	4.84	132.40	125.04
14	H	813	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	G	807	CLA	O2A-CGA-O1A	-4.83	111.39	123.59
14	A	815	CLA	O2A-CGA-O1A	-4.83	111.39	123.59
17	B	850	BCR	C24-C23-C22	-4.83	118.93	126.23
14	T	103	CLA	C1D-ND-C4D	-4.83	102.90	106.33
14	Y	804	CLA	CHD-C1D-ND	-4.83	120.01	124.45
14	Z	826	CLA	O2A-CGA-CBA	4.83	127.07	111.91
14	A	806	CLA	O2D-CGD-CBD	4.83	119.85	111.27
14	Y	813	CLA	CHD-C1D-ND	-4.83	120.01	124.45
14	G	834	CLA	C1C-C2C-C3C	-4.83	101.88	106.96
14	B	817	CLA	C3D-C2D-C1D	-4.83	99.24	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	827	CLA	C4A-NA-C1A	4.83	108.88	106.71
14	A	808	CLA	O2A-CGA-O1A	-4.83	111.41	123.59
14	A	839	CLA	O2A-CGA-O1A	-4.83	111.41	123.59
17	H	850	BCR	C34-C9-C10	-4.83	116.16	122.92
17	i	101	BCR	C15-C14-C13	-4.83	120.42	127.31
17	S	1104	BCR	C30-C25-C26	-4.82	115.82	122.61
14	Y	835	CLA	C4A-NA-C1A	4.82	108.88	106.71
14	L	205	CLA	C1C-C2C-C3C	-4.82	101.89	106.96
14	Z	802	CLA	C2C-C1C-NC	4.82	114.49	109.97
14	B	827	CLA	C1C-C2C-C3C	-4.82	101.89	106.96
14	Y	822	CLA	O2A-C1-C2	4.82	121.31	108.64
14	Z	802	CLA	O2D-CGD-CBD	4.82	119.84	111.27
14	A	814	CLA	C1C-C2C-C3C	-4.82	101.89	106.96
17	A	847	BCR	C30-C25-C26	-4.82	115.82	122.61
17	J	103	BCR	C38-C26-C25	4.82	129.94	124.53
14	B	819	CLA	C3D-C2D-C1D	-4.82	99.26	105.83
14	G	824	CLA	O2A-CGA-O1A	-4.82	111.44	123.59
14	Y	829	CLA	C1C-C2C-C3C	-4.82	101.89	106.96
14	G	841	CLA	C3D-C2D-C1D	-4.81	99.26	105.83
14	L	201	CLA	O2A-CGA-O1A	-4.81	111.44	123.59
17	Q	203	BCR	C34-C9-C10	-4.81	116.18	122.92
14	A	831	CLA	C1D-ND-C4D	-4.81	102.92	106.33
17	H	845	BCR	C23-C24-C25	-4.81	113.69	127.20
14	G	839	CLA	O2A-C1-C2	4.81	121.28	108.64
17	G	848	BCR	C34-C9-C8	4.81	125.66	118.08
14	j	102	CLA	C1D-ND-C4D	-4.81	102.92	106.33
14	B	835	CLA	O2A-CGA-O1A	-4.81	111.31	123.30
14	H	819	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
14	G	818	CLA	C1C-C2C-C3C	-4.81	101.90	106.96
14	Z	810	CLA	C1D-ND-C4D	-4.81	102.92	106.33
14	g	102	CLA	O2A-CGA-O1A	-4.80	111.33	123.30
14	Y	811	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	L	206	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	B	805	CLA	C1D-ND-C4D	-4.80	102.92	106.33
14	A	814	CLA	CHD-C1D-ND	-4.80	120.04	124.45
14	G	853	CLA	CMB-C2B-C3B	4.80	133.66	124.68
14	G	817	CLA	O2D-CGD-CBD	4.80	119.79	111.27
17	B	844	BCR	C8-C7-C6	-4.80	113.73	127.20
14	A	819	CLA	C2C-C1C-NC	4.80	114.47	109.97
14	H	808	CLA	C1C-C2C-C3C	-4.80	101.92	106.96
14	U	1003	CLA	O2A-CGA-O1A	-4.79	111.49	123.59
14	A	826	CLA	C3D-C2D-C1D	-4.79	99.29	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	850	BCR	C23-C24-C25	-4.79	113.74	127.20
14	Z	819	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
17	H	847	BCR	C8-C7-C6	-4.79	113.75	127.20
14	G	820	CLA	O2A-C1-C2	4.79	121.22	108.64
14	H	805	CLA	C1D-ND-C4D	-4.79	102.93	106.33
14	B	815	CLA	O2A-C1-C2	4.79	121.22	108.64
14	G	821	CLA	CMB-C2B-C3B	4.79	133.63	124.68
14	G	813	CLA	CHD-C1D-ND	-4.79	120.06	124.45
14	G	818	CLA	O2A-CGA-CBA	4.78	126.92	111.91
17	G	846	BCR	C37-C22-C21	-4.78	116.22	122.92
14	A	815	CLA	CAA-C2A-C3A	-4.78	99.68	112.78
14	H	804	CLA	O1D-CGD-CBD	-4.78	114.70	124.48
14	H	806	CLA	C3D-C2D-C1D	-4.78	99.30	105.83
14	f	102	CLA	C4A-NA-C1A	4.78	108.86	106.71
14	B	821	CLA	O2D-CGD-CBD	4.78	119.77	111.27
14	G	831	CLA	O2A-C1-C2	4.78	121.20	108.64
14	Z	829	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
14	Z	806	CLA	O2A-C1-C2	4.78	121.19	108.64
14	G	818	CLA	O2A-CGA-O1A	-4.78	111.53	123.59
14	G	813	CLA	C1C-C2C-C3C	-4.78	101.93	106.96
14	H	833	CLA	CHD-C1D-ND	-4.78	120.06	124.45
14	L	206	CLA	C1C-C2C-C3C	-4.78	101.93	106.96
14	Z	832	CLA	O2D-CGD-CBD	4.78	119.76	111.27
14	A	840	CLA	C1C-C2C-C3C	-4.78	101.94	106.96
14	G	816	CLA	C4A-NA-C1A	4.78	108.85	106.71
14	Z	834	CLA	CHD-C1D-ND	-4.77	120.07	124.45
14	Y	837	CLA	C1D-ND-C4D	-4.77	102.94	106.33
14	h	201	CLA	CMB-C2B-C3B	4.77	133.61	124.68
14	A	823	CLA	O2A-C1-C2	4.77	121.18	108.64
14	G	807	CLA	C4A-NA-C1A	4.77	108.85	106.71
14	Y	814	CLA	O2A-CGA-CBA	4.77	126.88	111.91
14	A	825	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
14	Z	805	CLA	C1D-ND-C4D	-4.77	102.95	106.33
14	Y	812	CLA	O2D-CGD-CBD	4.77	119.74	111.27
17	F	201	BCR	C34-C9-C8	4.77	125.58	118.08
14	H	813	CLA	C1C-C2C-C3C	-4.76	101.95	106.96
14	A	835	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
14	U	1006	CLA	C1C-C2C-C3C	-4.76	101.95	106.96
14	G	823	CLA	CHD-C1D-ND	-4.76	120.08	124.45
17	Z	845	BCR	C34-C9-C10	-4.76	116.25	122.92
14	G	827	CLA	O2D-CGD-CBD	4.76	119.73	111.27
14	G	824	CLA	C2C-C1C-NC	4.76	114.43	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	819	CLA	CHD-C1D-ND	-4.76	120.08	124.45
17	A	851	BCR	C32-C1-C6	4.76	118.02	110.30
14	U	1002	CLA	O2A-CGA-CBA	4.76	126.84	111.91
15	Z	842	PQN	C2M-C2-C3	-4.76	116.64	124.40
14	B	835	CLA	CHD-C1D-ND	-4.76	120.08	124.45
17	A	848	BCR	C34-C9-C10	-4.76	116.26	122.92
14	Y	825	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
14	B	825	CLA	C4A-NA-C1A	4.76	108.84	106.71
14	G	835	CLA	C4A-NA-C1A	4.76	108.84	106.71
14	A	831	CLA	C1C-C2C-C3C	-4.76	101.96	106.96
14	A	807	CLA	C1D-ND-C4D	-4.76	102.96	106.33
14	Y	806	CLA	C3D-C2D-C1D	-4.75	99.34	105.83
17	B	843	BCR	C34-C9-C10	-4.75	116.26	122.92
14	A	828	CLA	C2C-C1C-NC	4.75	114.42	109.97
14	G	811	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	H	835	CLA	C1C-C2C-C3C	-4.75	101.96	106.96
14	g	101	CLA	C1C-C2C-C3C	-4.75	101.96	106.96
14	Y	811	CLA	C1D-ND-C4D	-4.75	102.96	106.33
14	G	821	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	H	833	CLA	C1D-ND-C4D	-4.75	102.96	106.33
14	Z	815	CLA	C4A-NA-C1A	4.75	108.84	106.71
14	g	101	CLA	C4A-NA-C1A	4.75	108.84	106.71
14	d	201	CLA	C2C-C1C-NC	4.75	114.42	109.97
14	B	805	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
17	e	101	BCR	C23-C24-C25	-4.75	113.88	127.20
17	B	847	BCR	C23-C22-C21	4.74	126.22	118.94
14	Y	824	CLA	C1C-C2C-C3C	-4.74	101.97	106.96
17	T	102	BCR	C37-C22-C21	-4.74	116.28	122.92
14	K	101	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	A	823	CLA	CHD-C1D-ND	-4.74	120.10	124.45
14	G	807	CLA	O2A-C1-C2	4.74	121.09	108.64
14	Z	807	CLA	O2A-CGA-O1A	-4.74	111.63	123.59
14	B	828	CLA	C4A-NA-C1A	4.74	108.84	106.71
14	A	827	CLA	C2C-C1C-NC	4.74	114.41	109.97
14	B	819	CLA	C1D-ND-C4D	-4.74	102.97	106.33
14	H	804	CLA	CHD-C1D-ND	-4.74	120.10	124.45
17	H	845	BCR	C36-C18-C17	-4.74	116.29	122.92
17	U	1009	BCR	C33-C5-C6	-4.73	119.21	124.53
14	K	102	CLA	O2A-CGA-O1A	-4.73	111.50	123.30
14	B	818	CLA	O2A-CGA-O1A	-4.73	111.64	123.59
17	A	851	BCR	C37-C22-C21	-4.73	116.29	122.92
14	Z	801	CLA	C4A-NA-C1A	4.73	108.83	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	822	CLA	C1D-ND-C4D	-4.73	102.97	106.33
14	B	837	CLA	O2A-CGA-O1A	-4.73	111.65	123.59
14	d	202	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	H	839	CLA	O2A-CGA-O1A	-4.73	111.66	123.59
14	B	822	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	G	827	CLA	C2C-C1C-NC	4.73	114.40	109.97
14	G	830	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	g	102	CLA	C1C-C2C-C3C	-4.73	101.99	106.96
17	V	101	BCR	C34-C9-C8	4.73	125.53	118.08
14	Z	806	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	B	832	CLA	C4A-NA-C1A	4.73	108.83	106.71
17	H	846	BCR	C37-C22-C21	-4.73	116.30	122.92
14	L	206	CLA	O2D-CGD-CBD	4.73	119.67	111.27
14	Y	838	CLA	O2D-CGD-O1D	-4.73	114.60	123.84
14	B	837	CLA	O2D-CGD-CBD	4.73	119.67	111.27
17	e	101	BCR	C23-C22-C21	4.73	126.19	118.94
14	F	202	CLA	C1C-C2C-C3C	-4.72	101.99	106.96
13	G	801	CL0	O2A-C1-C2	4.72	121.05	108.64
14	A	813	CLA	C4A-NA-C1A	4.72	108.83	106.71
14	A	825	CLA	CMB-C2B-C3B	4.72	133.52	124.68
14	Y	828	CLA	C1D-ND-C4D	-4.72	102.98	106.33
17	M	101	BCR	C40-C30-C25	4.72	117.96	110.30
14	Z	808	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	B	810	CLA	C1D-ND-C4D	-4.72	102.98	106.33
14	G	830	CLA	C1D-ND-C4D	-4.72	102.98	106.33
14	B	814	CLA	O2A-CGA-O1A	-4.72	111.53	123.30
14	G	821	CLA	C2C-C1C-NC	4.72	114.40	109.97
14	A	811	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	Z	831	CLA	CHD-C1D-ND	-4.72	120.11	124.45
14	B	821	CLA	C1D-ND-C4D	-4.72	102.98	106.33
14	A	825	CLA	CHD-C1D-ND	-4.72	120.12	124.45
14	H	817	CLA	O2A-C1-C2	4.72	121.04	108.64
14	G	841	CLA	O2A-CGA-O1A	-4.72	111.68	123.59
14	Z	828	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	G	825	CLA	O2A-CGA-O1A	-4.72	111.68	123.59
18	Y	850	LHG	O7-C7-C8	4.72	121.67	111.50
14	G	819	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
14	G	809	CLA	O2A-CGA-O1A	-4.71	111.69	123.59
14	G	820	CLA	C1D-ND-C4D	-4.71	102.99	106.33
14	Y	827	CLA	C4A-NA-C1A	4.71	108.83	106.71
14	G	837	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
17	i	101	BCR	C27-C26-C25	-4.71	115.89	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	S	1102	CLA	C1D-ND-C4D	-4.71	102.99	106.33
14	G	822	CLA	O2A-CGA-O1A	-4.71	111.71	123.59
17	Z	844	BCR	C36-C18-C17	-4.71	116.33	122.92
14	J	102	CLA	C4A-NA-C1A	4.71	108.82	106.71
14	G	831	CLA	C1D-ND-C4D	-4.71	102.99	106.33
17	h	207	BCR	C34-C9-C8	4.71	125.49	118.08
14	A	828	CLA	C4A-NA-C1A	4.71	108.82	106.71
14	B	801	CLA	O2A-CGA-O1A	-4.70	111.72	123.59
17	Q	203	BCR	C35-C13-C14	-4.70	116.33	122.92
17	A	849	BCR	C34-C9-C10	-4.70	116.33	122.92
14	A	820	CLA	CHD-C1D-ND	-4.70	120.13	124.45
17	B	843	BCR	C34-C9-C8	4.70	125.49	118.08
14	G	808	CLA	O2A-C1-C2	4.70	120.99	108.64
14	G	814	CLA	O2A-CGA-O1A	-4.70	111.73	123.59
14	B	812	CLA	C1C-C2C-C3C	-4.70	102.02	106.96
14	Z	827	CLA	O2D-CGD-CBD	4.70	119.62	111.27
17	S	1105	BCR	C34-C9-C8	4.70	125.48	118.08
14	Z	825	CLA	C1D-ND-C4D	-4.70	103.00	106.33
14	B	804	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
14	H	811	CLA	OBD-CAD-C3D	-4.70	117.21	128.52
14	Y	802	CLA	O2A-CGA-O1A	-4.70	111.74	123.59
14	Y	834	CLA	C4A-NA-C1A	4.70	108.82	106.71
14	Q	202	CLA	C1D-ND-C4D	-4.69	103.00	106.33
14	G	816	CLA	O2D-CGD-CBD	4.69	119.61	111.27
14	Z	803	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
14	g	101	CLA	O2A-CGA-O1A	-4.69	111.60	123.30
14	B	821	CLA	O2A-CGA-O1A	-4.69	111.75	123.59
14	B	821	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
14	A	804	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
14	G	810	CLA	C1D-ND-C4D	-4.69	103.00	106.33
14	Y	825	CLA	C1D-ND-C4D	-4.69	103.00	106.33
17	Z	847	BCR	C23-C22-C21	4.69	126.14	118.94
14	Y	837	CLA	CHD-C1D-ND	-4.69	120.14	124.45
14	G	813	CLA	O2A-C1-C2	4.69	120.95	108.64
14	L	201	CLA	O2A-C1-C2	4.69	120.95	108.64
14	Y	826	CLA	O2A-CGA-O1A	-4.68	111.77	123.59
14	A	833	CLA	O2A-CGA-CBA	4.68	126.60	111.91
14	G	832	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
14	H	821	CLA	O2D-CGD-CBD	4.68	119.58	111.27
14	A	819	CLA	O2A-CGA-O1A	-4.68	111.78	123.59
14	H	837	CLA	O2A-CGA-O1A	-4.68	111.78	123.59
14	J	101	CLA	CHD-C1D-ND	-4.68	120.15	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	804	CLA	O2D-CGD-CBD	4.68	119.58	111.27
14	Z	801	CLA	CHD-C1D-ND	-4.68	120.16	124.45
14	A	803	CLA	C1C-C2C-C3C	-4.68	102.04	106.96
14	A	804	CLA	C1C-C2C-C3C	-4.68	102.04	106.96
18	A	852	LHG	O7-C7-C8	4.68	121.58	111.50
14	B	823	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	H	807	CLA	C1C-C2C-C3C	-4.68	102.04	106.96
14	Y	830	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	h	205	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	G	817	CLA	C3D-C2D-C1D	-4.67	99.45	105.83
14	B	804	CLA	O2D-CGD-CBD	4.67	119.58	111.27
14	H	817	CLA	CMB-C2B-C3B	4.67	133.42	124.68
17	H	844	BCR	C34-C9-C8	4.67	125.44	118.08
14	A	813	CLA	O2A-CGA-O1A	-4.67	111.80	123.59
14	H	838	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
14	B	830	CLA	O2A-CGA-O1A	-4.67	111.66	123.30
14	G	828	CLA	O2A-C1-C2	4.67	120.91	108.64
14	Z	838	CLA	CHD-C1D-ND	-4.67	120.16	124.45
14	A	819	CLA	C1D-ND-C4D	-4.67	103.02	106.33
14	Z	821	CLA	C1C-C2C-C3C	-4.67	102.05	106.96
14	H	814	CLA	C4A-NA-C1A	4.67	108.81	106.71
14	K	101	CLA	C4A-NA-C1A	4.67	108.81	106.71
17	B	850	BCR	C34-C9-C8	4.67	125.43	118.08
14	Y	812	CLA	C4A-NA-C1A	4.67	108.80	106.71
14	Z	829	CLA	C1C-C2C-C3C	-4.67	102.05	106.96
14	Z	812	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
14	B	833	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
14	B	817	CLA	C1D-ND-C4D	-4.66	103.02	106.33
14	G	819	CLA	O2A-CGA-O1A	-4.66	111.82	123.59
13	Y	801	CL0	C3D-C2D-C1D	-4.66	99.47	105.83
14	A	816	CLA	O2A-CGA-O1A	-4.66	111.82	123.59
18	B	849	LHG	O7-C7-C8	4.66	121.55	111.50
14	G	814	CLA	O2A-C1-C2	4.66	120.89	108.64
14	Y	806	CLA	O2D-CGD-CBD	4.66	119.55	111.27
14	Z	802	CLA	OBD-CAD-C3D	-4.66	117.30	128.52
14	A	842	CLA	O2A-C1-C2	4.66	120.88	108.64
14	Z	815	CLA	O2A-C1-C2	4.66	120.88	108.64
14	A	802	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
17	H	846	BCR	C8-C9-C10	4.66	126.09	118.94
14	A	832	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
14	G	802	CLA	C1D-ND-C4D	-4.66	103.03	106.33
14	B	836	CLA	O2A-CGA-O1A	-4.66	111.84	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	842	CLA	O2A-CGA-CBA	4.66	126.52	111.91
14	H	833	CLA	O2A-CGA-O1A	-4.65	111.70	123.30
14	B	820	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
14	A	815	CLA	C4A-NA-C1A	4.65	108.80	106.71
14	A	806	CLA	CHD-C1D-ND	-4.65	120.18	124.45
14	Y	837	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
14	L	206	CLA	C2C-C1C-NC	4.65	114.33	109.97
14	B	823	CLA	C1D-ND-C4D	-4.65	103.03	106.33
17	G	849	BCR	C32-C1-C6	4.65	117.84	110.30
14	G	828	CLA	CHD-C1D-ND	-4.65	120.18	124.45
14	Z	824	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
14	H	822	CLA	CHD-C1D-ND	-4.65	120.19	124.45
17	H	842	BCR	C24-C23-C22	-4.65	119.22	126.23
14	B	811	CLA	O2A-CGA-O1A	-4.64	111.87	123.59
13	Y	801	CL0	O2A-C1-C2	4.64	120.84	108.64
14	A	814	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
14	A	803	CLA	O2A-CGA-O1A	-4.64	111.87	123.59
14	A	812	CLA	CHD-C1D-ND	-4.64	120.19	124.45
14	G	821	CLA	O2A-CGA-O1A	-4.64	111.88	123.59
14	H	821	CLA	O2A-CGA-O1A	-4.64	111.73	123.30
17	H	842	BCR	C34-C9-C8	4.64	125.39	118.08
14	H	832	CLA	O2D-CGD-CBD	4.64	119.51	111.27
14	A	806	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
17	A	846	BCR	C37-C22-C23	4.64	125.38	118.08
14	Y	840	CLA	O2A-CGA-CBA	4.63	126.45	111.91
14	A	823	CLA	O2D-CGD-CBD	4.63	119.50	111.27
14	G	807	CLA	C2C-C1C-NC	4.63	114.31	109.97
14	Y	841	CLA	C4A-NA-C1A	4.63	108.79	106.71
14	Z	838	CLA	O2A-CGA-O1A	-4.63	111.91	123.59
14	Y	840	CLA	O2A-CGA-O1A	-4.63	111.91	123.59
14	G	840	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
14	Y	824	CLA	CHD-C1D-ND	-4.63	120.20	124.45
14	B	809	CLA	O2A-CGA-CBA	4.63	126.43	111.91
14	G	828	CLA	O2A-CGA-O1A	-4.63	111.92	123.59
14	Z	839	CLA	C4A-NA-C1A	4.63	108.79	106.71
14	Z	824	CLA	C1C-C2C-C3C	-4.63	102.09	106.96
14	A	824	CLA	CHD-C1D-ND	-4.63	120.20	124.45
14	S	1103	CLA	CHD-C1D-ND	-4.63	120.20	124.45
14	B	827	CLA	O2A-C1-C2	4.62	120.79	108.64
14	j	102	CLA	C3D-C2D-C1D	-4.62	99.52	105.83
14	G	810	CLA	O2A-CGA-O1A	-4.62	111.77	123.30
17	H	842	BCR	C36-C18-C17	-4.62	116.45	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	i	101	BCR	C34-C9-C10	-4.62	116.45	122.92
14	Z	829	CLA	CMA-C3A-C4A	4.62	124.20	111.77
14	H	837	CLA	C4A-NA-C1A	4.62	108.78	106.71
14	G	802	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	B	817	CLA	C1C-C2C-C3C	-4.62	102.10	106.96
14	U	1004	CLA	O2D-CGD-O1D	-4.62	114.81	123.84
14	Y	811	CLA	C4A-NA-C1A	4.62	108.78	106.71
14	G	815	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	G	832	CLA	CHD-C1D-ND	-4.62	120.21	124.45
14	B	817	CLA	O2A-C1-C2	4.62	120.77	108.64
14	A	805	CLA	C1D-ND-C4D	-4.62	103.06	106.33
13	A	801	CL0	O2D-CGD-CBD	4.62	119.47	111.27
14	H	816	CLA	CHD-C1D-ND	-4.62	120.21	124.45
14	G	834	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	S	1102	CLA	C4A-NA-C1A	4.62	108.78	106.71
14	G	818	CLA	OBD-CAD-C3D	-4.62	117.41	128.52
14	Y	818	CLA	C1C-C2C-C3C	-4.61	102.11	106.96
17	R	102	BCR	C38-C26-C25	-4.61	119.35	124.53
14	A	815	CLA	C1C-C2C-C3C	-4.61	102.11	106.96
14	B	817	CLA	O2D-CGD-CBD	4.61	119.46	111.27
17	G	849	BCR	C1-C6-C7	4.61	128.82	115.78
14	B	834	CLA	O2D-CGD-CBD	4.61	119.46	111.27
14	X	1701	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
14	Z	840	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
14	A	833	CLA	O2D-CGD-CBD	4.61	119.45	111.27
14	Z	838	CLA	CMC-C2C-C1C	4.61	132.06	125.04
14	G	836	CLA	C1D-ND-C4D	-4.61	103.06	106.33
14	Q	202	CLA	O2A-CGA-O1A	-4.61	111.82	123.30
14	Z	837	CLA	C2C-C1C-NC	4.60	114.29	109.97
14	A	810	CLA	CMC-C2C-C1C	4.60	132.05	125.04
14	Z	826	CLA	CHD-C1D-ND	-4.60	120.22	124.45
14	Z	820	CLA	C1D-ND-C4D	-4.60	103.06	106.33
14	Y	812	CLA	CHD-C1D-ND	-4.60	120.22	124.45
17	L	208	BCR	C36-C18-C17	-4.60	116.48	122.92
14	B	834	CLA	C1C-C2C-C3C	-4.60	102.12	106.96
14	Y	815	CLA	O2A-C1-C2	4.60	120.72	108.64
14	A	843	CLA	CMC-C2C-C1C	4.60	132.04	125.04
14	Z	835	CLA	O2A-CGA-O1A	-4.60	111.84	123.30
14	Y	814	CLA	O2A-C1-C2	4.60	120.72	108.64
14	B	825	CLA	C1D-ND-C4D	-4.60	103.07	106.33
17	H	842	BCR	C3-C4-C5	-4.60	105.87	114.08
17	Y	849	BCR	C4-C5-C6	-4.60	116.06	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	807	CLA	CHD-C1D-ND	-4.60	120.23	124.45
14	B	802	CLA	C1D-ND-C4D	-4.59	103.07	106.33
14	Y	806	CLA	C1D-ND-C4D	-4.59	103.07	106.33
14	G	827	CLA	C4A-NA-C1A	4.59	108.77	106.71
14	S	1101	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
17	B	846	BCR	C34-C9-C10	-4.59	116.49	122.92
14	A	821	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
14	A	830	CLA	C2D-C1D-ND	4.59	113.49	110.10
14	B	826	CLA	C4A-NA-C1A	4.59	108.77	106.71
14	A	823	CLA	O2A-CGA-O1A	-4.59	112.01	123.59
14	Y	802	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
14	H	818	CLA	O2A-CGA-O1A	-4.59	112.02	123.59
14	A	813	CLA	C1D-ND-C4D	-4.59	103.08	106.33
14	A	824	CLA	C1C-C2C-C3C	-4.59	102.14	106.96
14	Y	817	CLA	CHD-C1D-ND	-4.58	120.24	124.45
14	G	814	CLA	C1D-ND-C4D	-4.58	103.08	106.33
14	H	837	CLA	C1C-C2C-C3C	-4.58	102.14	106.96
14	B	830	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
14	B	828	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
14	B	823	CLA	CMB-C2B-C3B	4.58	133.24	124.68
14	H	840	CLA	O2A-CGA-O1A	-4.58	112.04	123.59
14	A	829	CLA	O2A-C1-C2	4.58	120.66	108.64
14	Y	829	CLA	O2D-CGD-CBD	4.58	119.40	111.27
14	Y	829	CLA	C1D-ND-C4D	-4.57	103.09	106.33
14	A	824	CLA	O2A-CGA-O1A	-4.57	112.05	123.59
14	Y	804	CLA	CMC-C2C-C1C	4.57	132.00	125.04
14	G	852	CLA	C1D-ND-C4D	-4.57	103.09	106.33
14	B	816	CLA	OBD-CAD-C3D	-4.57	117.52	128.52
17	J	104	BCR	C37-C22-C21	-4.57	116.52	122.92
14	Z	825	CLA	O2A-CGA-O1A	-4.57	112.06	123.59
14	A	829	CLA	O2A-CGA-O1A	-4.57	112.07	123.59
14	Y	826	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
14	Z	836	CLA	OBD-CAD-C3D	-4.57	117.53	128.52
14	B	804	CLA	O2A-CGA-O1A	-4.56	112.07	123.59
14	B	827	CLA	O2A-CGA-O1A	-4.56	112.07	123.59
14	G	841	CLA	C4-C3-C5	4.56	122.95	115.27
14	A	841	CLA	O2A-CGA-O1A	-4.56	112.08	123.59
14	B	803	CLA	CHD-C1D-ND	-4.56	120.26	124.45
14	H	810	CLA	C3C-C4C-NC	4.56	115.69	110.57
14	G	853	CLA	C1D-ND-C4D	-4.56	103.10	106.33
14	G	831	CLA	C1C-C2C-C3C	-4.56	102.17	106.96
14	B	839	CLA	C3D-C2D-C1D	-4.56	99.61	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	802	CLA	O2D-CGD-CBD	4.56	119.36	111.27
14	Y	834	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
17	Y	847	BCR	C34-C9-C8	4.56	125.25	118.08
14	B	811	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
14	A	805	CLA	O2A-CGA-O1A	-4.55	112.10	123.59
14	G	805	CLA	O2A-C1-C2	4.55	120.60	108.64
14	B	832	CLA	CAA-C2A-C1A	-4.55	97.06	111.97
14	G	840	CLA	C4-C3-C5	4.55	122.93	115.27
17	J	103	BCR	C30-C25-C26	-4.55	116.20	122.61
14	Z	808	CLA	CHD-C1D-ND	-4.55	120.27	124.45
17	H	850	BCR	C34-C9-C8	4.55	125.24	118.08
14	Y	819	CLA	O2A-CGA-O1A	-4.55	112.11	123.59
14	Z	811	CLA	O2A-CGA-O1A	-4.55	112.11	123.59
14	G	804	CLA	O2A-C1-C2	4.55	120.58	108.64
14	G	812	CLA	O2D-CGD-CBD	4.54	119.34	111.27
14	Z	811	CLA	O2A-C1-C2	4.54	120.58	108.64
14	j	102	CLA	CHD-C1D-ND	-4.54	120.28	124.45
14	B	812	CLA	C1D-ND-C4D	-4.54	103.11	106.33
14	Z	835	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
14	A	804	CLA	CMB-C2B-C3B	4.54	133.18	124.68
14	G	804	CLA	CHD-C1D-ND	-4.54	120.28	124.45
14	G	838	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
14	B	838	CLA	C1C-C2C-C3C	-4.54	102.19	106.96
14	H	837	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
14	Y	832	CLA	C4A-NA-C1A	4.54	108.75	106.71
14	G	826	CLA	C1D-ND-C4D	-4.54	103.11	106.33
14	Z	835	CLA	C1C-C2C-C3C	-4.53	102.19	106.96
14	Z	805	CLA	CAC-C3C-C4C	4.53	130.69	124.81
14	Z	814	CLA	O2A-CGA-CBA	4.53	126.13	111.91
17	B	845	BCR	C24-C23-C22	-4.53	119.39	126.23
14	H	821	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
14	B	803	CLA	O2A-C1-C2	4.53	120.53	108.64
14	G	823	CLA	O2A-CGA-O1A	-4.52	112.17	123.59
14	Y	804	CLA	O2A-C1-C2	4.52	120.53	108.64
14	Y	836	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
14	A	807	CLA	O2A-CGA-CBA	4.52	126.10	111.91
14	A	807	CLA	C1C-C2C-C3C	-4.52	102.20	106.96
14	A	804	CLA	C1D-ND-C4D	-4.52	103.12	106.33
14	Z	806	CLA	C1D-ND-C4D	-4.52	103.12	106.33
14	Z	812	CLA	C1D-ND-C4D	-4.52	103.12	106.33
14	Z	833	CLA	C4A-NA-C1A	4.52	108.74	106.71
14	H	829	CLA	C3D-C2D-C1D	-4.52	99.66	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	837	CLA	O2D-CGD-CBD	4.52	119.30	111.27
14	Y	832	CLA	C2D-C1D-ND	4.52	113.43	110.10
14	Y	823	CLA	C1C-C2C-C3C	-4.52	102.21	106.96
14	L	204	CLA	O2A-CGA-CBA	4.52	126.08	111.91
14	Y	828	CLA	C3D-C2D-C1D	-4.52	99.67	105.83
14	H	818	CLA	CHD-C1D-ND	-4.51	120.31	124.45
14	H	826	CLA	C4A-NA-C1A	4.51	108.73	106.71
14	A	821	CLA	C1D-ND-C4D	-4.51	103.13	106.33
14	B	824	CLA	O2A-CGA-O1A	-4.51	112.21	123.59
14	J	102	CLA	C3D-C2D-C1D	-4.51	99.68	105.83
14	A	809	CLA	C1C-C2C-C3C	-4.51	102.22	106.96
14	Y	814	CLA	C1C-C2C-C3C	-4.51	102.22	106.96
14	Y	833	CLA	C1D-ND-C4D	-4.51	103.13	106.33
14	A	835	CLA	C4A-NA-C1A	4.51	108.73	106.71
14	Y	840	CLA	C1C-C2C-C3C	-4.51	102.22	106.96
14	B	825	CLA	O2A-CGA-O1A	-4.51	112.22	123.59
17	B	847	BCR	C38-C26-C25	-4.51	119.47	124.53
17	V	101	BCR	C40-C30-C25	4.50	117.61	110.30
14	B	822	CLA	O2A-C1-C2	4.50	120.47	108.64
14	d	202	CLA	C4A-NA-C1A	4.50	108.73	106.71
14	g	102	CLA	C3D-C2D-C1D	-4.50	99.68	105.83
17	Y	845	BCR	C37-C22-C21	-4.50	116.61	122.92
14	G	806	CLA	O2D-CGD-O1D	-4.50	115.03	123.84
14	G	816	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
14	G	811	CLA	C1D-ND-C4D	-4.50	103.14	106.33
14	d	202	CLA	O2D-CGD-CBD	4.50	119.27	111.27
14	A	835	CLA	CHD-C1D-ND	-4.50	120.32	124.45
14	Z	829	CLA	O2A-CGA-CBA	4.50	126.03	111.91
17	A	846	BCR	C19-C18-C17	4.50	125.85	118.94
14	L	201	CLA	CMB-C2B-C3B	4.50	133.10	124.68
14	A	825	CLA	C2C-C1C-NC	4.50	114.19	109.97
14	G	804	CLA	O2A-CGA-CBA	4.50	126.03	111.91
14	B	828	CLA	CMB-C2B-C3B	4.50	133.09	124.68
17	e	101	BCR	C39-C30-C25	4.50	117.59	110.30
14	Y	821	CLA	C4A-NA-C1A	4.50	108.73	106.71
14	Z	821	CLA	O2D-CGD-CBD	4.50	119.26	111.27
14	Z	821	CLA	C4A-NA-C1A	4.50	108.73	106.71
14	Z	813	CLA	OBD-CAD-C3D	-4.49	117.71	128.52
17	F	203	BCR	C36-C18-C17	-4.49	116.63	122.92
14	H	821	CLA	C1C-C2C-C3C	-4.49	102.24	106.96
14	Y	821	CLA	C1C-C2C-C3C	-4.49	102.24	106.96
17	I	102	BCR	C23-C24-C25	-4.49	114.60	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	853	CLA	CHD-C1D-ND	-4.49	120.33	124.45
14	A	819	CLA	OBD-CAD-C3D	-4.49	117.72	128.52
14	G	838	CLA	O2A-CGA-O1A	-4.49	112.27	123.59
14	G	826	CLA	O2D-CGD-CBD	4.49	119.24	111.27
14	Y	828	CLA	C2C-C1C-NC	4.49	114.17	109.97
14	B	820	CLA	C4A-NA-C1A	4.49	108.72	106.71
14	A	822	CLA	CHD-C1D-ND	-4.49	120.33	124.45
14	G	826	CLA	CHD-C1D-ND	-4.49	120.33	124.45
14	B	840	CLA	C1C-C2C-C3C	-4.48	102.24	106.96
14	B	826	CLA	O2A-CGA-CBA	4.48	125.98	111.91
14	h	204	CLA	O2A-CGA-CBA	4.48	125.97	111.91
14	G	812	CLA	C4A-NA-C1A	4.48	108.72	106.71
14	H	824	CLA	C4A-NA-C1A	4.48	108.72	106.71
14	B	824	CLA	C3D-C2D-C1D	-4.48	99.71	105.83
14	f	101	CLA	C1C-C2C-C3C	-4.48	102.25	106.96
14	Z	807	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
17	Y	853	BCR	C34-C9-C8	4.48	125.13	118.08
14	H	804	CLA	O2A-C1-C2	4.48	120.40	108.64
14	Z	819	CLA	C1C-C2C-C3C	-4.48	102.25	106.96
14	A	804	CLA	C4A-NA-C1A	4.48	108.72	106.71
14	Z	818	CLA	C4A-NA-C1A	4.48	108.72	106.71
14	B	838	CLA	C1D-ND-C4D	-4.48	103.16	106.33
14	G	818	CLA	C1D-ND-C4D	-4.48	103.16	106.33
14	H	822	CLA	O2A-C1-C2	4.47	120.39	108.64
17	G	845	BCR	C36-C18-C17	-4.47	116.66	122.92
14	Z	835	CLA	CHD-C1D-ND	-4.47	120.34	124.45
14	B	835	CLA	C1D-ND-C4D	-4.47	103.16	106.33
14	Z	837	CLA	CHD-C1D-ND	-4.47	120.35	124.45
14	G	838	CLA	O2D-CGD-CBD	4.47	119.21	111.27
14	G	825	CLA	C4A-NA-C1A	4.47	108.72	106.71
14	G	834	CLA	C4A-NA-C1A	4.47	108.72	106.71
14	G	824	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
14	B	827	CLA	O2D-CGD-CBD	4.47	119.21	111.27
14	Z	811	CLA	C1C-C2C-C3C	-4.47	102.26	106.96
14	A	827	CLA	CMA-C3A-C4A	4.47	123.78	111.77
14	H	811	CLA	CHD-C1D-ND	-4.47	120.35	124.45
14	H	851	CLA	C1C-C2C-C3C	-4.47	102.26	106.96
17	G	846	BCR	C7-C8-C9	-4.47	119.49	126.23
14	S	1103	CLA	O2A-CGA-CBA	4.47	125.92	111.91
14	A	826	CLA	C4A-NA-C1A	4.46	108.71	106.71
14	A	817	CLA	CHD-C1D-ND	-4.46	120.35	124.45
17	Y	845	BCR	C34-C9-C8	4.46	125.11	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	1003	CLA	O2A-C1-C2	4.46	120.36	108.64
14	L	201	CLA	C1D-ND-C4D	-4.46	103.17	106.33
14	B	830	CLA	C4A-NA-C1A	4.46	108.71	106.71
14	G	840	CLA	O2D-CGD-CBD	4.46	119.19	111.27
14	B	816	CLA	O2D-CGD-CBD	4.46	119.19	111.27
14	H	818	CLA	O2A-CGA-CBA	4.46	125.89	111.91
14	Z	807	CLA	C1C-C2C-C3C	-4.45	102.27	106.96
14	U	1004	CLA	CHD-C1D-ND	-4.45	120.36	124.45
14	Z	812	CLA	O2A-CGA-O1A	-4.45	112.36	123.59
14	A	827	CLA	CMC-C2C-C1C	4.45	131.81	125.04
14	J	101	CLA	O2A-CGA-O1A	-4.45	112.22	123.30
14	Z	832	CLA	O2A-CGA-O1A	-4.45	112.22	123.30
14	G	821	CLA	C4A-NA-C1A	4.45	108.70	106.71
14	Y	810	CLA	O2A-CGA-O1A	-4.45	112.22	123.30
14	A	842	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
14	B	816	CLA	C1C-C2C-C3C	-4.44	102.28	106.96
14	H	805	CLA	CHD-C1D-ND	-4.44	120.37	124.45
14	B	818	CLA	C1D-ND-C4D	-4.44	103.18	106.33
14	A	838	CLA	O2A-CGA-CBA	4.44	125.85	111.91
14	Y	835	CLA	O2A-C1-C2	4.44	120.31	108.64
14	Y	815	CLA	O2A-CGA-O1A	-4.44	112.38	123.59
13	Y	801	CL0	O2D-CGD-CBD	4.44	119.16	111.27
14	Y	836	CLA	C1D-ND-C4D	-4.44	103.18	106.33
14	B	802	CLA	CAC-C3C-C4C	4.44	130.57	124.81
14	H	839	CLA	O2A-C1-C2	4.44	120.30	108.64
14	B	830	CLA	C1C-C2C-C3C	-4.44	102.29	106.96
14	H	830	CLA	C1D-ND-C4D	-4.44	103.18	106.33
14	A	829	CLA	C1C-C2C-C3C	-4.44	102.29	106.96
13	A	801	CL0	CMC-C2C-C1C	4.44	131.79	125.04
14	G	827	CLA	O2A-CGA-O1A	-4.44	112.40	123.59
14	Y	809	CLA	CHD-C1D-ND	-4.44	120.38	124.45
14	j	102	CLA	C4A-NA-C1A	4.44	108.70	106.71
14	B	822	CLA	C1C-C2C-C3C	-4.43	102.29	106.96
17	L	208	BCR	C23-C22-C21	4.43	125.74	118.94
14	A	840	CLA	O2D-CGD-CBD	4.43	119.14	111.27
14	Y	821	CLA	CHD-C1D-ND	-4.43	120.38	124.45
14	A	830	CLA	C1D-ND-C4D	-4.43	103.19	106.33
14	A	830	CLA	O2D-CGD-CBD	4.43	119.14	111.27
14	K	101	CLA	CHD-C1D-ND	-4.43	120.38	124.45
14	H	810	CLA	OBD-CAD-C3D	-4.43	117.86	128.52
14	U	1004	CLA	CMB-C2B-C3B	4.43	132.96	124.68
14	B	824	CLA	CHD-C1D-ND	-4.43	120.39	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	836	CLA	O2A-CGA-O1A	-4.43	112.27	123.30
14	A	831	CLA	C3D-C2D-C1D	-4.43	99.79	105.83
14	T	101	CLA	CHD-C1D-ND	-4.43	120.39	124.45
14	Z	803	CLA	O2A-CGA-O1A	-4.42	112.43	123.59
14	B	837	CLA	O2A-CGA-CBA	4.42	125.79	111.91
17	F	203	BCR	C23-C22-C21	4.42	125.73	118.94
14	H	824	CLA	O2A-CGA-CBA	4.42	125.79	111.91
14	A	854	CLA	O2A-CGA-O1A	-4.42	112.43	123.59
14	Y	807	CLA	O2D-CGD-CBD	4.42	119.12	111.27
14	A	813	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
14	G	830	CLA	O2A-CGA-CBA	4.42	125.78	111.91
14	H	829	CLA	C1D-ND-C4D	-4.42	103.19	106.33
17	Z	844	BCR	C34-C9-C8	4.42	125.04	118.08
14	A	824	CLA	O2D-CGD-CBD	4.42	119.12	111.27
17	A	850	BCR	C30-C25-C26	-4.42	116.39	122.61
14	B	818	CLA	O2A-CGA-CBA	4.42	125.77	111.91
14	B	827	CLA	C3D-C2D-C1D	-4.42	99.81	105.83
14	B	837	CLA	C1C-C2C-C3C	-4.41	102.31	106.96
14	Z	807	CLA	C1D-ND-C4D	-4.41	103.20	106.33
14	G	828	CLA	C1C-C2C-C3C	-4.41	102.32	106.96
17	i	101	BCR	C3-C4-C5	-4.41	106.20	114.08
14	H	819	CLA	C4A-NA-C1A	4.41	108.69	106.71
14	Y	829	CLA	CHD-C1D-ND	-4.41	120.40	124.45
14	G	826	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
14	B	820	CLA	O2D-CGD-CBD	4.41	119.11	111.27
17	A	850	BCR	C8-C7-C6	-4.41	114.81	127.20
14	H	812	CLA	C1D-ND-C4D	-4.41	103.20	106.33
14	g	102	CLA	CMB-C2B-C3B	4.41	132.93	124.68
14	B	833	CLA	CHD-C1D-ND	-4.41	120.40	124.45
14	Y	813	CLA	C1C-C2C-C3C	-4.41	102.32	106.96
14	Z	804	CLA	O2D-CGD-O1D	-4.41	115.22	123.84
14	B	808	CLA	O2A-CGA-O1A	-4.41	112.47	123.59
14	U	1004	CLA	O2A-CGA-CBA	4.41	125.74	111.91
14	H	824	CLA	CMB-C2B-C3B	4.41	132.92	124.68
14	Z	810	CLA	O2A-CGA-CBA	4.41	125.73	111.91
14	G	816	CLA	CHD-C1D-ND	-4.40	120.41	124.45
14	Z	816	CLA	O2D-CGD-CBD	4.40	119.09	111.27
14	B	803	CLA	O2A-CGA-O1A	-4.40	112.48	123.59
14	B	824	CLA	O2A-CGA-CBA	4.40	125.72	111.91
14	Z	801	CLA	C1-O2A-CGA	4.40	127.99	116.44
14	B	823	CLA	O2A-CGA-O1A	-4.40	112.49	123.59
14	A	839	CLA	O2A-CGA-CBA	4.40	125.71	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	838	CLA	O2D-CGD-O1D	-4.40	115.24	123.84
14	B	801	CLA	C1D-ND-C4D	-4.40	103.21	106.33
14	K	102	CLA	C4A-NA-C1A	4.40	108.68	106.71
14	B	834	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
14	H	808	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
14	Y	815	CLA	CHD-C1D-ND	-4.39	120.42	124.45
14	B	813	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
14	B	827	CLA	C4A-NA-C1A	4.39	108.68	106.71
14	G	841	CLA	CMB-C2B-C3B	4.39	132.89	124.68
17	Z	848	BCR	C24-C23-C22	-4.39	119.60	126.23
14	H	835	CLA	CHD-C1D-ND	-4.39	120.42	124.45
14	H	813	CLA	C1D-ND-C4D	-4.39	103.22	106.33
17	I	101	BCR	C31-C1-C6	-4.39	103.18	110.30
14	S	1103	CLA	O2A-C1-C2	4.39	120.16	108.64
14	S	1101	CLA	C1C-C2C-C3C	-4.39	102.34	106.96
14	G	852	CLA	CAC-C3C-C4C	4.39	130.50	124.81
14	G	837	CLA	O2A-CGA-CBA	4.38	125.66	111.91
14	G	809	CLA	C1C-C2C-C3C	-4.38	102.35	106.96
17	A	848	BCR	C23-C24-C25	-4.38	114.90	127.20
17	G	849	BCR	C24-C23-C22	-4.38	119.62	126.23
14	H	810	CLA	O2A-CGA-CBA	4.38	125.65	111.91
17	S	1105	BCR	C33-C5-C6	-4.38	119.61	124.53
14	Y	837	CLA	C1C-C2C-C3C	-4.38	102.35	106.96
17	A	851	BCR	C24-C23-C22	-4.38	119.62	126.23
14	G	803	CLA	O2A-C1-C2	4.38	120.14	108.64
14	h	205	CLA	C4D-C3D-CAD	4.38	113.26	108.10
14	H	837	CLA	CHD-C1D-ND	-4.38	120.43	124.45
14	Y	811	CLA	CHD-C1D-ND	-4.38	120.43	124.45
14	H	832	CLA	C3D-C2D-C1D	-4.38	99.86	105.83
17	L	207	BCR	C36-C18-C17	-4.37	116.80	122.92
17	i	101	BCR	C33-C5-C6	-4.37	119.62	124.53
17	L	208	BCR	C3-C4-C5	-4.37	106.27	114.08
14	U	1002	CLA	O2D-CGD-O1D	-4.37	115.29	123.84
14	A	807	CLA	CAA-C2A-C3A	-4.37	100.81	112.78
14	A	842	CLA	CHD-C1D-ND	-4.37	120.44	124.45
14	G	807	CLA	CHD-C1D-ND	-4.37	120.44	124.45
13	Y	801	CL0	O2A-CGA-CBA	4.37	125.62	111.91
17	Z	844	BCR	C24-C23-C22	-4.37	119.63	126.23
14	Y	816	CLA	CHD-C1D-ND	-4.37	120.44	124.45
14	B	828	CLA	C1D-ND-C4D	-4.37	103.23	106.33
14	Z	826	CLA	O2A-C1-C2	4.37	120.12	108.64
14	Z	840	CLA	CHD-C1D-ND	-4.37	120.44	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	839	CLA	O2D-CGD-CBD	4.37	119.03	111.27
14	B	813	CLA	O2A-C1-C2	4.37	120.11	108.64
14	Z	823	CLA	C1D-ND-C4D	-4.37	103.23	106.33
14	B	839	CLA	O2A-CGA-O1A	-4.36	112.58	123.59
14	H	828	CLA	CHD-C1D-ND	-4.36	120.44	124.45
14	H	816	CLA	OBD-CAD-C3D	-4.36	118.02	128.52
14	B	826	CLA	C1C-C2C-C3C	-4.36	102.37	106.96
14	H	810	CLA	C1C-C2C-C3C	-4.36	102.37	106.96
14	G	822	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
14	B	816	CLA	O2A-CGA-CBA	4.36	125.59	111.91
14	A	829	CLA	O2A-CGA-CBA	4.36	125.58	111.91
14	A	830	CLA	O2A-C1-C2	4.36	120.08	108.64
14	H	819	CLA	C1C-C2C-C3C	-4.35	102.38	106.96
14	A	841	CLA	C1C-C2C-C3C	-4.35	102.38	106.96
14	G	833	CLA	O2A-CGA-O1A	-4.35	112.61	123.59
14	Y	838	CLA	O2A-CGA-O1A	-4.35	112.61	123.59
14	G	805	CLA	CHD-C1D-ND	-4.35	120.46	124.45
14	A	837	CLA	O2A-CGA-CBA	4.35	125.56	111.91
14	Y	819	CLA	O2D-CGD-O1D	-4.35	115.33	123.84
14	L	204	CLA	O2A-C1-C2	4.35	120.06	108.64
14	A	806	CLA	O2A-C1-C2	4.34	120.05	108.64
14	U	1002	CLA	O2A-C1-C2	4.34	120.05	108.64
17	R	101	BCR	C31-C1-C6	-4.34	103.25	110.30
17	G	846	BCR	C33-C5-C6	-4.34	119.65	124.53
14	Z	812	CLA	CHD-C1D-ND	-4.34	120.46	124.45
14	f	102	CLA	O2A-CGA-CBA	4.34	125.54	111.91
14	G	809	CLA	O2A-CGA-CBA	4.34	125.53	111.91
14	A	834	CLA	O2D-CGD-CBD	4.34	118.98	111.27
14	B	813	CLA	CHD-C1D-ND	-4.34	120.47	124.45
14	Y	826	CLA	CMA-C3A-C4A	4.34	123.43	111.77
14	G	811	CLA	CHD-C1D-ND	-4.33	120.47	124.45
14	A	816	CLA	O2A-C1-C2	4.33	120.02	108.64
14	H	801	CLA	CHD-C1D-ND	-4.33	120.47	124.45
14	A	802	CLA	C1D-ND-C4D	-4.33	103.26	106.33
14	B	810	CLA	C4A-NA-C1A	4.33	108.65	106.71
14	Z	813	CLA	CHD-C1D-ND	-4.33	120.48	124.45
14	H	826	CLA	O2A-CGA-O1A	-4.33	112.67	123.59
14	G	841	CLA	C1D-ND-C4D	-4.33	103.26	106.33
14	Z	840	CLA	CED-O2D-CGD	4.32	125.71	115.94
14	Y	808	CLA	CMC-C2C-C1C	4.32	131.62	125.04
14	G	842	CLA	O2A-CGA-CBA	4.32	125.47	111.91
14	G	833	CLA	C1D-ND-C4D	-4.32	103.27	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	829	CLA	O2A-C1-C2	4.32	119.99	108.64
14	Y	830	CLA	C4A-NA-C1A	4.32	108.65	106.71
17	d	203	BCR	C24-C23-C22	-4.32	119.71	126.23
14	G	825	CLA	C3D-C2D-C1D	-4.32	99.94	105.83
17	A	851	BCR	C33-C5-C6	-4.32	119.68	124.53
14	Z	802	CLA	C1C-C2C-C3C	-4.32	102.42	106.96
14	Z	827	CLA	C1D-ND-C4D	-4.32	103.27	106.33
14	G	805	CLA	O2A-CGA-O1A	-4.32	112.70	123.59
14	Z	829	CLA	C4A-NA-C1A	4.32	108.65	106.71
14	B	819	CLA	CMB-C2B-C3B	4.31	132.75	124.68
14	Y	836	CLA	CAC-C3C-C4C	4.31	130.41	124.81
14	H	829	CLA	CED-O2D-CGD	4.31	125.69	115.94
14	h	206	CLA	O2D-CGD-CBD	4.31	118.93	111.27
14	H	814	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
17	G	848	BCR	C34-C9-C10	-4.31	116.89	122.92
14	Z	829	CLA	O2A-C1-C2	4.31	119.96	108.64
13	G	801	CL0	C2D-C1D-ND	4.31	113.28	110.10
14	H	830	CLA	O2D-CGD-O1D	-4.31	115.41	123.84
14	Y	817	CLA	C1C-C2C-C3C	-4.31	102.43	106.96
17	Z	846	BCR	C24-C23-C22	-4.31	119.72	126.23
14	A	805	CLA	O2A-C1-C2	4.31	119.96	108.64
14	A	821	CLA	O2A-CGA-CBA	4.31	125.43	111.91
14	B	837	CLA	O2A-C1-C2	4.31	119.95	108.64
14	Y	838	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
14	B	809	CLA	O2A-C1-C2	4.31	119.95	108.64
14	Y	823	CLA	C3D-C2D-C1D	-4.30	99.96	105.83
14	A	832	CLA	O2A-CGA-O1A	-4.30	112.74	123.59
14	A	824	CLA	O2A-C1-C2	4.30	119.93	108.64
14	H	826	CLA	O2A-C1-C2	4.30	119.93	108.64
14	G	842	CLA	CHD-C1D-ND	-4.30	120.51	124.45
14	G	822	CLA	O2A-CGA-CBA	4.30	125.39	111.91
14	B	836	CLA	CHD-C1D-ND	-4.29	120.51	124.45
14	G	820	CLA	O2A-CGA-CBA	4.29	125.38	111.91
17	H	843	BCR	C15-C14-C13	-4.29	121.18	127.31
14	B	834	CLA	CHD-C1D-ND	-4.29	120.51	124.45
14	Z	839	CLA	C1D-ND-C4D	-4.29	103.29	106.33
14	Y	805	CLA	C3D-C2D-C1D	-4.29	99.97	105.83
14	Z	815	CLA	C3D-C2D-C1D	-4.29	99.98	105.83
14	Z	811	CLA	CMC-C2C-C1C	4.29	131.57	125.04
14	B	815	CLA	CHD-C1D-ND	-4.29	120.51	124.45
14	B	839	CLA	O2D-CGD-CBD	4.29	118.89	111.27
17	H	850	BCR	C31-C1-C6	-4.29	103.34	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	804	CLA	O2A-CGA-O1A	-4.29	112.77	123.59
14	Y	833	CLA	C3D-C2D-C1D	-4.29	99.98	105.83
17	J	104	BCR	C15-C14-C13	-4.29	121.19	127.31
17	Q	201	BCR	C24-C23-C22	-4.29	119.76	126.23
17	S	1105	BCR	C36-C18-C17	-4.28	116.92	122.92
17	H	845	BCR	C35-C13-C12	4.28	124.07	114.60
17	I	102	BCR	C36-C18-C17	-4.28	116.92	122.92
14	G	811	CLA	C4A-NA-C1A	4.28	108.63	106.71
14	L	206	CLA	CMC-C2C-C1C	4.28	131.55	125.04
14	U	1007	CLA	O2D-CGD-CBD	4.28	118.87	111.27
14	Z	805	CLA	CMC-C2C-C1C	4.27	131.55	125.04
14	G	827	CLA	C1C-C2C-C3C	-4.27	102.46	106.96
14	H	803	CLA	C1D-ND-C4D	-4.27	103.30	106.33
14	Y	841	CLA	CMB-C2B-C3B	4.27	132.67	124.68
14	G	836	CLA	CHD-C1D-ND	-4.27	120.53	124.45
14	Y	835	CLA	O2D-CGD-CBD	4.27	118.86	111.27
14	B	814	CLA	CHD-C1D-ND	-4.27	120.53	124.45
17	h	202	BCR	C36-C18-C19	-4.27	111.35	118.08
14	Z	823	CLA	C3D-C2D-C1D	-4.27	100.01	105.83
14	Y	830	CLA	O2A-C1-C2	4.27	119.85	108.64
14	G	824	CLA	C1C-C2C-C3C	-4.26	102.47	106.96
14	Z	816	CLA	CHD-C1D-ND	-4.26	120.53	124.45
14	A	840	CLA	CMC-C2C-C1C	4.26	131.53	125.04
14	A	834	CLA	O2A-CGA-O1A	-4.26	112.83	123.59
14	A	810	CLA	C3D-C2D-C1D	-4.26	100.01	105.83
14	J	102	CLA	C1D-ND-C4D	-4.26	103.31	106.33
14	H	813	CLA	C4A-NA-C1A	4.26	108.62	106.71
14	B	801	CLA	C3D-C2D-C1D	-4.26	100.02	105.83
14	Z	806	CLA	CHD-C1D-ND	-4.26	120.54	124.45
14	S	1101	CLA	O2A-C1-C2	4.26	119.83	108.64
14	Y	825	CLA	C1C-C2C-C3C	-4.26	102.48	106.96
14	G	816	CLA	O2A-CGA-CBA	4.26	125.27	111.91
14	Z	828	CLA	O2A-CGA-CBA	4.25	125.26	111.91
14	B	832	CLA	CHD-C1D-ND	-4.25	120.55	124.45
18	G	851	LHG	O7-C7-C8	4.25	120.67	111.50
14	Y	805	CLA	C3D-C4D-ND	4.25	117.11	110.24
17	F	203	BCR	C34-C9-C10	-4.25	116.97	122.92
14	g	101	CLA	OBD-CAD-C3D	-4.25	121.71	128.74
14	H	809	CLA	CHD-C1D-ND	-4.25	120.55	124.45
13	A	801	CL0	C3D-C2D-C1D	-4.25	100.03	105.83
14	H	840	CLA	O2D-CGD-CBD	4.25	118.82	111.27
14	S	1101	CLA	O2A-CGA-CBA	4.25	125.23	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	842	BCR	C34-C9-C8	4.25	124.77	118.08
17	G	846	BCR	C34-C9-C8	4.24	124.75	118.08
14	g	102	CLA	CHD-C1D-ND	-4.24	120.56	124.45
14	Y	808	CLA	CMB-C2B-C3B	4.24	132.61	124.68
14	Y	818	CLA	CHD-C1D-ND	-4.24	120.56	124.45
17	A	847	BCR	C38-C26-C25	4.24	129.29	124.53
14	Z	817	CLA	O2D-CGD-CBD	4.23	118.79	111.27
17	S	1104	BCR	C34-C9-C8	4.23	124.75	118.08
14	Y	803	CLA	O2D-CGD-O1D	-4.23	115.56	123.84
14	A	832	CLA	C1C-C2C-C3C	-4.23	102.51	106.96
14	Z	837	CLA	O2A-CGA-CBA	4.23	125.18	111.91
14	d	202	CLA	CMC-C2C-C1C	4.23	131.48	125.04
17	Z	843	BCR	C37-C22-C21	-4.23	117.00	122.92
14	A	822	CLA	O2A-CGA-O1A	-4.23	112.93	123.59
14	g	101	CLA	CHD-C1D-ND	-4.23	120.57	124.45
17	e	101	BCR	C34-C9-C8	4.23	124.73	118.08
14	Y	805	CLA	O2A-C1-C2	4.22	119.74	108.64
14	B	839	CLA	CMC-C2C-C1C	4.22	131.47	125.04
14	B	815	CLA	O2A-CGA-O1A	-4.22	112.93	123.59
14	Z	807	CLA	O2A-C1-C2	4.22	119.73	108.64
14	H	826	CLA	C1C-C2C-C3C	-4.22	102.52	106.96
14	B	805	CLA	O2A-CGA-CBA	4.22	125.15	111.91
14	G	819	CLA	O2D-CGD-O1D	-4.22	115.59	123.84
14	A	841	CLA	O2A-CGA-CBA	4.22	125.14	111.91
14	G	808	CLA	C2C-C1C-NC	4.22	113.92	109.97
14	Z	818	CLA	O2A-CGA-CBA	4.22	125.14	111.91
14	G	841	CLA	C4A-NA-C1A	4.22	108.60	106.71
17	d	203	BCR	C35-C13-C14	-4.21	117.02	122.92
14	A	823	CLA	O2A-CGA-CBA	4.21	125.13	111.91
14	Y	808	CLA	O2A-CGA-CBA	4.21	125.13	111.91
14	H	804	CLA	C1C-C2C-C3C	-4.21	102.53	106.96
17	T	102	BCR	C32-C1-C6	-4.21	103.47	110.30
14	B	809	CLA	C1D-ND-C4D	-4.21	103.34	106.33
14	A	821	CLA	O2A-C1-C2	4.21	119.70	108.64
14	B	832	CLA	O2A-CGA-CBA	4.21	125.12	111.91
14	Y	821	CLA	O2D-CGD-CBD	4.21	118.75	111.27
14	Z	806	CLA	CMB-C2B-C3B	4.21	132.55	124.68
14	Z	814	CLA	C1D-ND-C4D	-4.20	103.35	106.33
14	H	833	CLA	C4A-NA-C1A	4.20	108.60	106.71
14	G	821	CLA	CED-O2D-CGD	4.20	125.44	115.94
14	A	825	CLA	O2A-C1-C2	4.20	119.68	108.64
14	g	101	CLA	C1D-ND-C4D	-4.20	103.35	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	845	BCR	C8-C7-C6	-4.20	115.40	127.20
17	Y	845	BCR	C30-C25-C26	-4.20	116.69	122.61
14	B	820	CLA	O2A-CGA-O1A	-4.20	112.83	123.30
17	Z	844	BCR	C37-C22-C21	-4.20	117.04	122.92
14	A	804	CLA	O2A-C1-C2	4.20	119.68	108.64
17	F	203	BCR	C23-C24-C25	-4.20	115.41	127.20
14	B	805	CLA	CHD-C1D-ND	-4.20	120.59	124.45
17	Y	846	BCR	C1-C6-C7	4.20	127.66	115.78
14	A	807	CLA	O2D-CGD-CBD	4.20	118.73	111.27
14	S	1102	CLA	CHD-C1D-ND	-4.20	120.59	124.45
14	Z	815	CLA	CHD-C1D-ND	-4.20	120.59	124.45
14	Y	822	CLA	O2D-CGD-CBD	4.20	118.73	111.27
14	j	102	CLA	CMA-C3A-C4A	4.20	123.06	111.77
17	H	845	BCR	C24-C23-C22	-4.20	119.89	126.23
17	B	847	BCR	C33-C5-C6	-4.20	119.81	124.53
14	A	842	CLA	O2D-CGD-CBD	4.20	118.73	111.27
14	H	825	CLA	O2D-CGD-O1D	-4.20	115.63	123.84
14	G	826	CLA	O2A-C1-C2	4.19	119.65	108.64
14	B	828	CLA	CHD-C1D-ND	-4.19	120.60	124.45
14	h	206	CLA	C1C-C2C-C3C	-4.19	102.55	106.96
14	G	834	CLA	CMB-C2B-C3B	4.19	132.52	124.68
14	B	817	CLA	CHD-C1D-ND	-4.19	120.61	124.45
14	Y	832	CLA	C1-C2-C3	-4.19	118.80	126.04
14	G	816	CLA	O2A-C1-C2	4.19	119.63	108.64
14	G	824	CLA	O2A-C1-C2	4.18	119.63	108.64
14	Z	811	CLA	O2A-CGA-CBA	4.18	125.03	111.91
14	H	809	CLA	O2A-CGA-O1A	-4.18	113.04	123.59
14	A	836	CLA	CHD-C1D-ND	-4.18	120.61	124.45
14	G	803	CLA	O2D-CGD-CBD	4.18	118.69	111.27
14	G	839	CLA	C3D-C4D-ND	4.18	117.00	110.24
14	H	826	CLA	CMB-C2B-C3B	4.18	132.50	124.68
14	Z	818	CLA	CHD-C1D-ND	-4.18	120.61	124.45
14	B	839	CLA	O2A-C1-C2	4.18	119.61	108.64
14	Y	807	CLA	C4A-NA-C1A	4.18	108.58	106.71
17	T	102	BCR	C30-C25-C26	-4.18	116.73	122.61
17	B	847	BCR	C24-C23-C22	-4.18	119.92	126.23
17	B	844	BCR	C34-C9-C10	-4.18	117.07	122.92
14	A	824	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
14	H	801	CLA	O2A-CGA-CBA	4.17	125.00	111.91
14	G	821	CLA	O2A-C1-C2	4.17	119.60	108.64
14	Y	810	CLA	C1C-C2C-C3C	-4.17	102.57	106.96
14	Z	808	CLA	CMC-C2C-C1C	4.17	131.39	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	839	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
14	G	830	CLA	O2D-CGD-CBD	4.17	118.67	111.27
14	B	828	CLA	O2A-CGA-O1A	-4.17	113.07	123.59
14	A	843	CLA	C1-O2A-CGA	4.17	127.38	116.44
14	G	806	CLA	CHD-C1D-ND	-4.17	120.62	124.45
14	Y	829	CLA	CMB-C2B-C3B	4.17	132.47	124.68
17	U	1009	BCR	C36-C18-C19	-4.17	111.51	118.08
17	F	203	BCR	C38-C26-C25	-4.17	119.85	124.53
14	A	831	CLA	O2A-C1-C2	4.16	119.58	108.64
14	Y	811	CLA	O2D-CGD-CBD	4.16	118.66	111.27
14	Z	821	CLA	CHD-C1D-ND	-4.16	120.63	124.45
17	f	103	BCR	C8-C7-C6	-4.16	115.53	127.20
14	B	833	CLA	O2A-CGA-O1A	-4.16	112.94	123.30
14	Y	828	CLA	C1C-C2C-C3C	-4.16	102.59	106.96
14	A	810	CLA	O2D-CGD-CBD	4.15	118.65	111.27
14	Z	841	CLA	CHD-C1D-ND	-4.15	120.64	124.45
13	G	801	CL0	CHD-C1D-ND	-4.15	120.64	124.45
14	Y	823	CLA	O2A-C1-C2	4.15	119.55	108.64
14	Y	840	CLA	O2A-C1-C2	4.15	119.55	108.64
14	H	820	CLA	O2A-CGA-O1A	-4.15	112.95	123.30
14	G	810	CLA	CHD-C1D-ND	-4.15	120.64	124.45
14	Z	837	CLA	CMB-C2B-C3B	4.15	132.44	124.68
14	G	829	CLA	C3D-C2D-C1D	-4.14	100.17	105.83
17	H	842	BCR	C37-C22-C23	4.14	124.61	118.08
14	H	840	CLA	C3C-C4C-NC	4.14	115.22	110.57
14	Z	818	CLA	O2A-C1-C2	4.14	119.53	108.64
17	Y	848	BCR	C8-C7-C6	-4.14	115.57	127.20
14	A	834	CLA	CHD-C1D-ND	-4.14	120.65	124.45
14	A	837	CLA	CHD-C1D-ND	-4.14	120.65	124.45
14	B	801	CLA	O2A-CGA-CBA	4.14	124.90	111.91
14	H	806	CLA	O2A-CGA-CBA	4.14	124.90	111.91
14	A	812	CLA	O2A-C1-C2	4.14	119.51	108.64
14	G	852	CLA	C1C-C2C-C3C	-4.14	102.61	106.96
17	J	104	BCR	C33-C5-C6	-4.14	119.88	124.53
14	G	817	CLA	CHD-C1D-ND	-4.14	120.65	124.45
17	V	101	BCR	C7-C6-C5	-4.14	111.44	121.46
14	T	103	CLA	O2D-CGD-CBD	4.13	118.61	111.27
14	A	812	CLA	O2A-CGA-CBA	4.13	124.88	111.91
14	Z	809	CLA	O2A-CGA-CBA	4.13	124.88	111.91
14	B	830	CLA	C1D-ND-C4D	-4.13	103.40	106.33
14	Z	822	CLA	CHD-C1D-ND	-4.13	120.66	124.45
17	B	850	BCR	C36-C18-C17	-4.13	117.13	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	812	CLA	O2A-CGA-CBA	4.13	124.88	111.91
14	A	802	CLA	O2A-C1-C2	4.13	119.49	108.64
14	A	811	CLA	CHD-C1D-ND	-4.13	120.66	124.45
14	H	838	CLA	O2A-CGA-CBA	4.13	127.30	114.03
14	A	836	CLA	CMB-C2B-C3B	4.13	132.40	124.68
14	Z	803	CLA	O2A-CGA-CBA	4.13	124.86	111.91
14	Y	840	CLA	CHD-C1D-ND	-4.13	120.66	124.45
14	h	204	CLA	C4A-NA-C1A	4.13	108.56	106.71
14	d	201	CLA	CHD-C1D-ND	-4.13	120.66	124.45
14	Y	827	CLA	O2D-CGD-CBD	4.12	118.60	111.27
17	F	203	BCR	C24-C23-C22	-4.12	120.00	126.23
14	G	828	CLA	C4A-NA-C1A	4.12	108.56	106.71
14	A	806	CLA	O2A-CGA-O1A	-4.12	113.19	123.59
14	A	809	CLA	C4A-NA-C1A	4.12	108.56	106.71
14	B	838	CLA	C3D-C2D-C1D	-4.12	100.21	105.83
14	A	824	CLA	O2A-CGA-CBA	4.12	124.83	111.91
14	A	813	CLA	O2A-CGA-CBA	4.12	124.83	111.91
14	H	807	CLA	C3C-C4C-NC	4.12	115.19	110.57
17	B	847	BCR	C34-C9-C10	-4.12	117.16	122.92
14	B	815	CLA	O2D-CGD-CBD	4.12	118.58	111.27
14	Y	827	CLA	C1C-C2C-C3C	-4.12	102.63	106.96
14	A	821	CLA	CHD-C1D-ND	-4.11	120.67	124.45
14	H	839	CLA	CHD-C1D-ND	-4.11	120.67	124.45
14	Y	817	CLA	CMC-C2C-C1C	4.11	131.30	125.04
14	Y	825	CLA	O2D-CGD-CBD	4.11	118.57	111.27
14	H	839	CLA	CMC-C2C-C1C	4.11	131.30	125.04
17	U	1009	BCR	C7-C8-C9	-4.11	120.03	126.23
14	A	820	CLA	O2A-CGA-CBA	4.11	124.79	111.91
14	Y	820	CLA	CHD-C1D-ND	-4.10	120.68	124.45
14	Y	804	CLA	O2A-CGA-O1A	-4.10	113.24	123.59
14	B	820	CLA	C1D-ND-C4D	-4.10	103.42	106.33
14	Y	837	CLA	CMB-C2B-C3B	4.10	132.35	124.68
14	K	102	CLA	CHD-C1D-ND	-4.10	120.69	124.45
14	g	102	CLA	O2D-CGD-CBD	4.10	118.55	111.27
14	Y	836	CLA	O2D-CGD-CBD	4.10	118.55	111.27
14	Y	831	CLA	CHD-C1D-ND	-4.09	120.69	124.45
14	Z	825	CLA	O2A-CGA-CBA	4.09	124.76	111.91
14	Y	830	CLA	C1D-ND-C4D	-4.09	103.43	106.33
17	i	101	BCR	C36-C18-C17	-4.09	117.19	122.92
14	G	824	CLA	O2A-CGA-CBA	4.09	124.75	111.91
17	A	847	BCR	C36-C18-C17	-4.09	117.19	122.92
14	H	803	CLA	O2A-C1-C2	4.09	119.39	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	838	CLA	CHD-C1D-ND	-4.09	120.70	124.45
14	B	813	CLA	O2A-CGA-O1A	-4.09	113.27	123.59
14	G	808	CLA	C4A-NA-C1A	4.09	108.54	106.71
14	B	831	CLA	CHD-C1D-ND	-4.09	120.70	124.45
14	J	102	CLA	C1-O2A-CGA	4.09	127.17	116.44
17	B	850	BCR	C31-C1-C6	-4.09	103.67	110.30
14	B	810	CLA	CMA-C3A-C4A	4.09	122.76	111.77
14	Z	830	CLA	O2A-CGA-CBA	4.09	124.73	111.91
14	A	826	CLA	C1D-ND-C4D	-4.09	103.43	106.33
14	B	826	CLA	C1D-ND-C4D	-4.09	103.43	106.33
17	G	845	BCR	C37-C22-C21	-4.08	117.20	122.92
17	H	843	BCR	C37-C22-C21	-4.08	117.20	122.92
14	A	830	CLA	CAC-C3C-C4C	4.08	130.10	124.81
14	G	838	CLA	O2A-CGA-CBA	4.08	124.71	111.91
17	H	847	BCR	C24-C23-C22	-4.08	120.08	126.23
14	G	803	CLA	O2A-CGA-CBA	4.08	124.70	111.91
14	G	812	CLA	CHD-C1D-ND	-4.08	120.71	124.45
14	A	835	CLA	O2D-CGD-O1D	-4.07	115.87	123.84
14	H	814	CLA	O2D-CGD-O1D	-4.07	115.87	123.84
17	i	101	BCR	C1-C6-C7	4.07	127.31	115.78
14	A	830	CLA	C1C-C2C-C3C	-4.07	102.67	106.96
14	Y	837	CLA	C1-C2-C3	-4.07	120.16	126.75
14	B	821	CLA	C4A-NA-C1A	4.07	108.54	106.71
14	Y	809	CLA	C4A-NA-C1A	4.07	108.54	106.71
18	j	101	LHG	O7-C7-C8	4.07	120.26	111.50
14	B	812	CLA	O2A-C1-C2	4.07	119.32	108.64
14	Z	819	CLA	O2D-CGD-CBD	4.07	118.49	111.27
14	Z	809	CLA	O2A-C1-C2	4.07	119.32	108.64
14	B	807	CLA	CHD-C1D-ND	-4.06	120.72	124.45
14	Z	815	CLA	O2D-CGD-CBD	4.06	118.49	111.27
17	J	103	BCR	C33-C5-C6	-4.06	119.97	124.53
14	Y	824	CLA	O2A-CGA-CBA	4.06	124.66	111.91
14	Z	809	CLA	CMA-C3A-C4A	4.06	122.69	111.77
14	Y	835	CLA	CHD-C1D-ND	-4.06	120.72	124.45
17	h	202	BCR	C33-C5-C6	-4.06	119.97	124.53
14	L	204	CLA	CMC-C2C-C1C	4.06	131.22	125.04
14	H	831	CLA	CMC-C2C-C1C	4.06	131.22	125.04
17	A	849	BCR	C34-C9-C8	4.06	124.47	118.08
14	Y	820	CLA	O2A-CGA-CBA	4.06	124.65	111.91
14	H	833	CLA	CMB-C2B-C3B	4.06	132.27	124.68
14	H	803	CLA	C3D-C2D-C1D	-4.06	100.29	105.83
14	G	815	CLA	O2A-CGA-O1A	-4.06	113.35	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	834	CLA	O2D-CGD-CBD	4.06	118.48	111.27
14	Y	828	CLA	O2A-CGA-CBA	4.06	124.64	111.91
14	Y	815	CLA	CMB-C2B-C3B	4.06	132.27	124.68
17	G	846	BCR	C23-C24-C25	-4.06	115.81	127.20
17	S	1104	BCR	C24-C23-C22	-4.05	120.11	126.23
14	A	808	CLA	CMA-C3A-C4A	4.05	122.67	111.77
14	Z	824	CLA	C1D-ND-C4D	-4.05	103.45	106.33
14	Y	839	CLA	C1C-C2C-C3C	-4.05	102.69	106.96
14	Z	833	CLA	O2A-C1-C2	4.05	119.29	108.64
17	Y	853	BCR	C24-C23-C22	-4.05	120.11	126.23
14	G	810	CLA	C4A-NA-C1A	4.05	108.53	106.71
14	Y	832	CLA	C1-O2A-CGA	4.05	127.07	116.44
14	Y	829	CLA	C3D-C2D-C1D	-4.05	100.30	105.83
14	H	840	CLA	CHD-C1D-ND	-4.05	120.73	124.45
14	A	814	CLA	O2A-CGA-O1A	-4.05	113.37	123.59
14	B	809	CLA	OBD-CAD-C3D	-4.05	118.78	128.52
14	G	853	CLA	C1C-C2C-C3C	-4.05	102.70	106.96
14	Z	837	CLA	C1C-C2C-C3C	-4.05	102.70	106.96
14	f	102	CLA	CHD-C1D-ND	-4.05	120.73	124.45
14	B	807	CLA	C3D-C2D-C1D	-4.05	100.31	105.83
17	S	1104	BCR	C37-C22-C21	-4.04	117.26	122.92
14	d	201	CLA	C1C-C2C-C3C	-4.04	102.70	106.96
14	G	803	CLA	C1D-ND-C4D	-4.04	103.46	106.33
14	G	811	CLA	O2A-CGA-CBA	4.04	124.59	111.91
14	Y	802	CLA	O2A-CGA-CBA	4.04	124.59	111.91
17	H	846	BCR	C39-C30-C25	-4.04	103.74	110.30
13	G	801	CL0	C4-C3-C5	4.04	122.07	115.27
14	h	204	CLA	CED-O2D-CGD	4.04	125.08	115.94
17	A	850	BCR	C27-C26-C25	-4.04	116.87	122.73
14	G	812	CLA	O2A-CGA-CBA	4.04	124.58	111.91
14	Z	812	CLA	CMC-C2C-C1C	4.04	131.19	125.04
14	Y	835	CLA	O2A-CGA-O1A	-4.04	113.40	123.59
14	Y	809	CLA	O2D-CGD-CBD	4.04	118.44	111.27
14	A	813	CLA	O2D-CGD-O1D	-4.04	115.94	123.84
17	Y	852	BCR	C8-C7-C6	-4.04	115.87	127.20
14	h	201	CLA	C1-C2-C3	-4.03	119.07	126.04
14	L	202	CLA	O2A-CGA-O1A	-4.03	113.42	123.59
14	Z	803	CLA	CMB-C2B-C3B	4.03	132.22	124.68
14	A	833	CLA	C1D-ND-C4D	-4.03	103.47	106.33
14	H	819	CLA	CHD-C1D-ND	-4.03	120.75	124.45
17	h	202	BCR	C8-C7-C6	-4.03	115.89	127.20
14	A	833	CLA	CHD-C1D-ND	-4.02	120.76	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	810	CLA	C1-O2A-CGA	4.02	127.00	116.44
14	g	101	CLA	CAC-C3C-C4C	4.02	130.03	124.81
14	H	836	CLA	C1C-C2C-C3C	-4.02	102.73	106.96
17	H	847	BCR	C34-C9-C8	4.02	124.41	118.08
14	T	103	CLA	CHD-C1D-ND	-4.02	120.76	124.45
14	A	818	CLA	CMC-C2C-C1C	4.02	131.16	125.04
14	h	205	CLA	C3D-C4D-ND	4.02	116.74	110.24
14	G	829	CLA	O2A-CGA-O1A	-4.02	113.45	123.59
14	H	825	CLA	C1-O2A-CGA	4.02	126.99	116.44
14	A	813	CLA	O2A-C1-C2	4.02	119.19	108.64
14	Z	828	CLA	C4A-NA-C1A	4.02	108.51	106.71
17	Z	843	BCR	C27-C26-C25	-4.02	116.90	122.73
14	h	204	CLA	O2A-CGA-O1A	-4.02	113.46	123.59
17	A	850	BCR	C24-C23-C22	-4.01	120.17	126.23
14	B	834	CLA	C4A-NA-C1A	4.01	108.51	106.71
14	A	836	CLA	O2D-CGD-CBD	4.01	118.39	111.27
14	U	1003	CLA	O2A-CGA-CBA	4.01	124.48	111.91
14	B	833	CLA	O1D-CGD-CBD	-4.01	116.29	124.48
14	j	102	CLA	O2A-CGA-CBA	4.01	126.90	114.03
14	Z	804	CLA	CHD-C1D-ND	-4.01	120.77	124.45
14	X	1701	CLA	C1D-ND-C4D	-4.00	103.49	106.33
14	G	837	CLA	O2D-CGD-O1D	-4.00	116.01	123.84
14	G	825	CLA	C1D-ND-C4D	-4.00	103.49	106.33
14	G	833	CLA	O2A-CGA-CBA	4.00	124.47	111.91
14	G	826	CLA	O2A-CGA-O1A	-4.00	113.49	123.59
17	H	846	BCR	C33-C5-C6	-4.00	120.03	124.53
14	G	802	CLA	CHD-C1D-ND	-4.00	120.78	124.45
14	B	831	CLA	O2A-CGA-CBA	4.00	124.46	111.91
17	A	851	BCR	C1-C6-C7	4.00	127.08	115.78
14	H	806	CLA	O2A-C1-C2	4.00	119.14	108.64
17	S	1104	BCR	C31-C1-C6	-4.00	103.82	110.30
14	B	822	CLA	O2A-CGA-CBA	3.99	124.44	111.91
14	U	1002	CLA	CHD-C1D-ND	-3.99	120.78	124.45
14	A	839	CLA	O2A-C1-C2	3.99	119.13	108.64
14	Y	835	CLA	OBD-CAD-C3D	-3.99	118.92	128.52
14	h	205	CLA	O2A-C1-C2	3.99	119.12	108.64
14	G	824	CLA	C4A-NA-C1A	3.99	108.50	106.71
14	A	828	CLA	O2A-CGA-O1A	-3.99	113.53	123.59
17	Y	846	BCR	C36-C18-C17	-3.99	117.34	122.92
14	A	843	CLA	CHD-C1D-ND	-3.99	120.79	124.45
14	H	840	CLA	C1C-C2C-C3C	-3.99	102.77	106.96
17	S	1105	BCR	C24-C23-C22	-3.99	120.21	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	814	CLA	O2A-CGA-CBA	3.98	124.41	111.91
14	A	825	CLA	C1C-C2C-C3C	-3.98	102.77	106.96
14	Y	836	CLA	O2A-CGA-O1A	-3.98	113.54	123.59
14	Z	839	CLA	CHD-C1D-ND	-3.98	120.80	124.45
14	B	807	CLA	O2A-CGA-CBA	3.98	124.40	111.91
14	f	101	CLA	CHD-C1D-ND	-3.98	120.80	124.45
14	Z	825	CLA	CMB-C2B-C3B	3.98	132.12	124.68
17	L	208	BCR	C33-C5-C6	-3.98	120.06	124.53
17	h	207	BCR	C7-C8-C9	-3.98	120.22	126.23
14	L	205	CLA	O2D-CGD-CBD	3.98	118.34	111.27
14	A	804	CLA	O2A-CGA-CBA	3.98	124.39	111.91
14	A	816	CLA	CMC-C2C-C1C	3.97	131.09	125.04
14	L	205	CLA	O2A-C1-C2	3.97	119.08	108.64
17	G	849	BCR	C7-C8-C9	-3.97	120.23	126.23
17	f	103	BCR	C32-C1-C6	-3.97	103.86	110.30
14	A	827	CLA	C3D-C4D-ND	3.97	116.66	110.24
14	L	202	CLA	CMC-C2C-C1C	3.97	131.09	125.04
14	B	836	CLA	O2A-CGA-CBA	3.97	124.37	111.91
17	T	102	BCR	C34-C9-C8	3.97	124.33	118.08
14	Y	834	CLA	CHD-C1D-ND	-3.97	120.80	124.45
17	V	101	BCR	C27-C26-C25	-3.97	116.97	122.73
14	Z	812	CLA	O2D-CGD-CBD	3.97	118.32	111.27
14	A	802	CLA	C1-O2A-CGA	3.97	126.86	116.44
14	Y	832	CLA	C3D-C2D-C1D	-3.97	100.41	105.83
14	h	201	CLA	C1D-ND-C4D	-3.97	103.52	106.33
14	Z	802	CLA	O2A-CGA-CBA	3.97	124.36	111.91
14	Y	810	CLA	O2D-CGD-CBD	3.97	118.32	111.27
14	A	805	CLA	CHD-C1D-ND	-3.97	120.81	124.45
14	H	816	CLA	O2A-C1-C2	3.97	119.06	108.64
14	B	816	CLA	C1D-ND-C4D	-3.97	103.52	106.33
14	G	805	CLA	CMA-C3A-C4A	3.97	122.43	111.77
17	G	847	BCR	C40-C30-C25	3.97	116.73	110.30
14	h	206	CLA	CMB-C2B-C3B	3.97	132.10	124.68
14	G	831	CLA	O2A-CGA-O1A	-3.96	113.59	123.59
14	B	809	CLA	C3C-C4C-NC	3.96	115.02	110.57
14	Y	838	CLA	CAC-C3C-C4C	3.96	129.95	124.81
17	G	847	BCR	C38-C26-C25	-3.96	120.08	124.53
14	Y	809	CLA	O2A-C1-C2	3.96	119.05	108.64
14	A	827	CLA	C3D-C2D-C1D	-3.96	100.43	105.83
14	Z	816	CLA	O2A-CGA-O1A	-3.96	113.43	123.30
14	Y	833	CLA	O2A-C1-C2	3.96	119.04	108.64
17	I	102	BCR	C34-C9-C10	-3.95	117.38	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	814	CLA	CMA-C3A-C4A	3.95	122.40	111.77
14	B	822	CLA	CHD-C1D-ND	-3.95	120.82	124.45
17	G	849	BCR	C7-C6-C5	-3.95	111.89	121.46
17	H	844	BCR	C37-C22-C23	3.95	124.30	118.08
14	B	839	CLA	C3D-C4D-ND	3.95	116.63	110.24
14	G	824	CLA	CMA-C3A-C4A	3.95	122.39	111.77
14	B	835	CLA	CMC-C2C-C1C	3.95	131.06	125.04
14	G	852	CLA	C3D-C2D-C1D	-3.95	100.44	105.83
17	M	101	BCR	C24-C23-C22	-3.95	120.27	126.23
14	Y	815	CLA	O2A-CGA-CBA	3.95	124.30	111.91
14	U	1003	CLA	C3D-C2D-C1D	-3.95	100.44	105.83
14	Y	803	CLA	O2A-CGA-CBA	3.95	124.30	111.91
14	G	840	CLA	O2A-CGA-O1A	-3.95	113.63	123.59
14	Z	820	CLA	O2D-CGD-CBD	3.95	118.28	111.27
14	Y	839	CLA	O2A-CGA-O1A	-3.95	113.63	123.59
14	H	805	CLA	O2D-CGD-CBD	3.95	118.28	111.27
14	L	201	CLA	CHD-C1D-ND	-3.95	120.83	124.45
14	A	854	CLA	O2A-CGA-CBA	3.94	124.28	111.91
17	H	843	BCR	C1-C6-C5	-3.94	117.06	122.61
14	G	832	CLA	O2D-CGD-CBD	3.94	118.27	111.27
17	L	207	BCR	C34-C9-C8	3.94	124.29	118.08
14	A	808	CLA	O2D-CGD-O1D	-3.94	116.13	123.84
14	G	833	CLA	CHD-C1D-ND	-3.94	120.83	124.45
14	Z	814	CLA	O2A-C1-C2	3.94	118.99	108.64
14	G	815	CLA	CMB-C2B-C3B	3.94	132.05	124.68
14	B	825	CLA	O1D-CGD-CBD	-3.94	116.43	124.48
17	H	843	BCR	C24-C23-C22	-3.94	120.29	126.23
17	A	851	BCR	C7-C6-C5	-3.94	111.93	121.46
14	G	852	CLA	O2D-CGD-CBD	3.94	118.26	111.27
14	B	806	CLA	CHD-C1D-ND	-3.94	120.84	124.45
14	B	829	CLA	O2A-CGA-CBA	3.94	126.67	114.03
14	H	803	CLA	CHB-C4A-NA	3.94	129.95	124.51
14	L	202	CLA	C4-C3-C5	3.94	121.89	115.27
14	B	818	CLA	CHD-C1D-ND	-3.93	120.84	124.45
14	A	815	CLA	O2D-CGD-CBD	3.93	118.26	111.27
13	G	801	CL0	CMC-C2C-C1C	3.93	131.03	125.04
14	L	201	CLA	CMC-C2C-C1C	3.93	131.03	125.04
14	H	813	CLA	CHD-C1D-ND	-3.93	120.84	124.45
14	Y	830	CLA	CMB-C2B-C3B	3.93	132.03	124.68
14	d	201	CLA	O2A-CGA-O1A	-3.93	113.67	123.59
14	B	816	CLA	O2A-C1-C2	3.93	118.96	108.64
14	G	834	CLA	CHD-C1D-ND	-3.93	120.84	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	844	BCR	C33-C5-C6	-3.93	120.12	124.53
14	Y	817	CLA	O2D-CGD-CBD	3.93	118.25	111.27
14	H	823	CLA	O2D-CGD-CBD	3.93	118.25	111.27
17	B	844	BCR	C1-C6-C7	3.93	126.89	115.78
14	G	802	CLA	C1-O2A-CGA	3.93	126.74	116.44
14	A	818	CLA	CHD-C1D-ND	-3.92	120.85	124.45
14	Z	811	CLA	C3C-C4C-NC	3.92	114.97	110.57
17	U	1009	BCR	C35-C13-C14	-3.92	117.43	122.92
14	Y	827	CLA	O2A-C1-C2	3.92	118.94	108.64
14	F	202	CLA	C3C-C4C-NC	3.92	114.97	110.57
14	G	839	CLA	C4D-C3D-CAD	3.92	112.71	108.10
17	Y	847	BCR	C24-C23-C22	-3.91	120.32	126.23
14	A	823	CLA	CMB-C2B-C3B	3.91	132.00	124.68
14	A	817	CLA	O2A-CGA-CBA	3.91	124.18	111.91
14	H	829	CLA	O2A-C1-C2	3.91	118.91	108.64
17	U	1009	BCR	C1-C6-C5	-3.91	117.11	122.61
14	B	806	CLA	O2D-CGD-O1D	-3.91	116.20	123.84
17	L	208	BCR	C31-C1-C6	-3.91	103.96	110.30
14	H	806	CLA	CHD-C1D-ND	-3.90	120.87	124.45
14	G	838	CLA	C4A-NA-C1A	3.90	108.46	106.71
14	Y	838	CLA	C1D-ND-C4D	-3.90	103.56	106.33
14	H	813	CLA	O2A-CGA-CBA	3.90	124.16	111.91
14	Z	819	CLA	CAC-C3C-C4C	3.90	129.87	124.81
14	U	1004	CLA	O2A-C1-C2	3.90	118.89	108.64
14	B	839	CLA	C4A-NA-C1A	3.90	108.46	106.71
14	A	804	CLA	CAC-C3C-C4C	3.90	129.87	124.81
14	Y	811	CLA	O2A-C1-C2	3.90	118.89	108.64
14	H	832	CLA	O2A-CGA-O1A	-3.90	113.75	123.59
14	H	824	CLA	C1D-ND-C4D	-3.90	103.56	106.33
14	B	802	CLA	O2A-CGA-O1A	-3.90	113.75	123.59
14	h	201	CLA	CHD-C1D-ND	-3.90	120.87	124.45
14	Z	807	CLA	C4A-NA-C1A	3.89	108.46	106.71
17	J	104	BCR	C40-C30-C25	3.89	116.62	110.30
14	A	840	CLA	O2A-CGA-O1A	-3.89	113.77	123.59
15	A	844	PQN	C14-C13-C15	3.89	121.82	115.27
17	Y	849	BCR	C1-C6-C5	-3.89	117.13	122.61
14	Z	817	CLA	CHD-C1D-ND	-3.89	120.88	124.45
14	G	811	CLA	O2D-CGD-CBD	3.89	118.18	111.27
14	A	820	CLA	C4A-NA-C1A	3.89	108.45	106.71
14	B	822	CLA	O2D-CGD-CBD	3.89	118.18	111.27
14	Z	824	CLA	CHD-C1D-ND	-3.89	120.88	124.45
17	B	846	BCR	C3-C4-C5	-3.89	107.14	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	803	CLA	C1D-ND-C4D	-3.89	103.57	106.33
14	L	206	CLA	O2A-C1-C2	3.89	118.85	108.64
19	Z	849	LMG	C7-O1-C1	-3.89	106.15	113.74
13	G	801	CL0	C3D-C2D-C1D	-3.88	100.53	105.83
14	Z	804	CLA	O2A-CGA-O1A	-3.88	113.80	123.59
17	U	1008	BCR	C24-C23-C22	-3.88	120.37	126.23
14	A	824	CLA	C4A-NA-C1A	3.88	108.45	106.71
14	A	825	CLA	C4A-NA-C1A	3.88	108.45	106.71
14	B	821	CLA	CHD-C1D-ND	-3.88	120.89	124.45
14	Y	827	CLA	O2A-CGA-O1A	-3.88	113.80	123.59
14	B	835	CLA	CMA-C3A-C4A	3.88	122.19	111.77
14	H	822	CLA	O2A-CGA-CBA	3.88	124.08	111.91
14	Z	818	CLA	C1D-ND-C4D	-3.88	103.58	106.33
14	Z	829	CLA	CMB-C2B-C3B	3.88	131.93	124.68
17	G	845	BCR	C37-C22-C23	3.88	124.18	118.08
17	V	101	BCR	C1-C6-C7	3.88	126.74	115.78
17	f	103	BCR	C34-C9-C8	3.88	124.18	118.08
14	G	838	CLA	O2A-C1-C2	3.87	118.81	108.64
14	J	102	CLA	CHD-C1D-ND	-3.87	120.90	124.45
14	G	814	CLA	CBA-CAA-C2A	3.87	125.29	113.86
14	Z	811	CLA	C1-O2A-CGA	3.87	126.60	116.44
14	Y	832	CLA	O2A-CGA-O1A	-3.87	113.83	123.59
14	B	820	CLA	CHD-C1D-ND	-3.87	120.90	124.45
17	Z	843	BCR	C28-C27-C26	-3.87	107.17	114.08
14	G	817	CLA	O2A-CGA-CBA	3.87	124.05	111.91
14	B	801	CLA	CHD-C1D-ND	-3.87	120.90	124.45
14	A	814	CLA	C4D-C3D-CAD	3.87	112.65	108.10
14	G	807	CLA	O2A-CGA-CBA	3.87	124.04	111.91
14	H	805	CLA	O2A-CGA-CBA	3.87	124.04	111.91
14	Z	806	CLA	CAC-C3C-C4C	3.87	129.82	124.81
17	A	851	BCR	C39-C30-C25	-3.86	104.03	110.30
17	B	850	BCR	C23-C22-C21	3.86	124.87	118.94
14	h	201	CLA	O2D-CGD-CBD	3.86	118.13	111.27
17	Y	849	BCR	C37-C22-C23	3.86	124.16	118.08
14	Z	807	CLA	O2A-CGA-CBA	3.86	124.02	111.91
14	H	808	CLA	O2A-CGA-CBA	3.86	124.02	111.91
17	Y	846	BCR	C34-C9-C8	3.86	124.15	118.08
17	A	847	BCR	C24-C23-C22	-3.86	120.41	126.23
17	B	846	BCR	C1-C6-C5	-3.85	117.18	122.61
14	U	1006	CLA	O2A-CGA-CBA	3.85	124.00	111.91
17	e	101	BCR	C24-C23-C22	-3.85	120.41	126.23
14	G	815	CLA	C1-O2A-CGA	3.85	126.55	116.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	838	CLA	C1D-ND-C4D	-3.85	103.60	106.33
14	Y	812	CLA	O2A-CGA-CBA	3.85	123.99	111.91
14	G	802	CLA	C1-C2-C3	-3.85	119.38	126.04
14	Y	825	CLA	O2A-CGA-O1A	-3.85	113.88	123.59
14	Y	802	CLA	C1D-ND-C4D	-3.85	103.60	106.33
17	Y	848	BCR	C36-C18-C17	-3.85	117.53	122.92
14	H	828	CLA	O2D-CGD-CBD	3.85	118.11	111.27
14	Z	807	CLA	O2D-CGD-CBD	3.85	118.11	111.27
14	Z	817	CLA	O2A-C1-C2	3.85	118.75	108.64
17	h	207	BCR	C15-C14-C13	-3.85	121.82	127.31
14	H	802	CLA	CHD-C1D-ND	-3.85	120.92	124.45
14	A	835	CLA	O2A-CGA-O1A	-3.85	113.71	123.30
14	Y	816	CLA	O2A-CGA-CBA	3.84	123.97	111.91
14	H	814	CLA	C1-O2A-CGA	3.84	126.52	116.44
14	G	815	CLA	O2D-CGD-O1D	-3.84	116.33	123.84
14	H	815	CLA	CMA-C3A-C4A	3.84	122.09	111.77
14	Y	817	CLA	CMA-C3A-C4A	3.84	122.08	111.77
17	R	101	BCR	C34-C9-C8	3.84	124.12	118.08
14	G	809	CLA	CMC-C2C-C1C	3.83	130.88	125.04
14	Y	839	CLA	OBD-CAD-C3D	-3.83	119.30	128.52
17	Y	852	BCR	C34-C9-C8	3.83	124.11	118.08
14	Z	827	CLA	OBD-CAD-C3D	-3.83	119.30	128.52
14	Y	817	CLA	O2A-CGA-O1A	-3.83	113.93	123.59
14	B	808	CLA	O2D-CGD-CBD	3.83	118.07	111.27
14	H	801	CLA	O2D-CGD-CBD	3.83	118.07	111.27
14	Y	826	CLA	O2D-CGD-CBD	3.83	118.07	111.27
14	Z	830	CLA	O2A-C1-C2	3.83	118.70	108.64
14	G	839	CLA	CMD-C2D-C3D	-3.83	118.81	127.61
14	B	839	CLA	C1C-C2C-C3C	-3.83	102.93	106.96
14	A	830	CLA	CHD-C1D-ND	-3.83	120.94	124.45
17	e	101	BCR	C8-C7-C6	-3.83	116.45	127.20
14	Z	819	CLA	CMA-C3A-C4A	3.83	122.06	111.77
14	G	824	CLA	CMC-C2C-C1C	3.83	130.87	125.04
14	B	816	CLA	CAC-C3C-C4C	3.83	129.77	124.81
14	Y	837	CLA	C4A-NA-C1A	3.83	108.43	106.71
14	B	810	CLA	CHD-C1D-ND	-3.82	120.94	124.45
14	G	813	CLA	CMB-C2B-C3B	3.82	131.83	124.68
14	A	807	CLA	C4A-NA-C1A	3.82	108.42	106.71
14	Y	823	CLA	O2A-CGA-CBA	3.82	123.91	111.91
14	H	851	CLA	C1-O2A-CGA	3.82	126.47	116.44
14	Y	837	CLA	O2A-CGA-O1A	-3.82	113.94	123.59
17	A	848	BCR	C24-C23-C22	-3.82	120.46	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	F	201	BCR	C32-C1-C6	-3.82	104.10	110.30
14	Y	828	CLA	O2A-C1-C2	3.82	118.68	108.64
14	B	804	CLA	CMB-C2B-C3B	3.82	131.83	124.68
14	G	825	CLA	O2D-CGD-CBD	3.82	118.05	111.27
17	Y	852	BCR	C33-C5-C6	-3.82	120.24	124.53
14	U	1003	CLA	CHD-C1D-ND	-3.82	120.95	124.45
14	A	841	CLA	C4A-NA-C1A	3.82	108.42	106.71
14	G	836	CLA	C4A-NA-C1A	3.82	108.42	106.71
14	A	828	CLA	O2D-CGD-CBD	3.81	118.05	111.27
14	H	827	CLA	C1C-C2C-C3C	-3.81	102.95	106.96
14	H	804	CLA	C2C-C1C-NC	3.81	113.54	109.97
14	h	204	CLA	C1D-ND-C4D	-3.81	103.63	106.33
14	A	815	CLA	O2A-CGA-CBA	3.81	123.87	111.91
14	Y	813	CLA	O2D-CGD-CBD	3.81	118.04	111.27
14	H	837	CLA	O2A-C1-C2	3.81	118.65	108.64
14	H	837	CLA	CMC-C2C-C1C	3.81	130.84	125.04
14	Z	812	CLA	O2A-CGA-CBA	3.81	123.86	111.91
14	L	205	CLA	O2A-CGA-CBA	3.81	123.86	111.91
17	G	849	BCR	C34-C9-C8	3.81	124.08	118.08
17	A	847	BCR	C34-C9-C8	3.81	124.07	118.08
14	A	832	CLA	O2A-C1-C2	3.81	118.64	108.64
18	G	850	LHG	O8-C23-C24	3.80	123.85	111.91
14	H	811	CLA	O2A-C1-C2	3.80	118.63	108.64
14	G	812	CLA	O2A-C1-C2	3.80	118.63	108.64
14	H	818	CLA	O2A-C1-C2	3.80	118.63	108.64
14	B	809	CLA	O2D-CGD-CBD	3.80	118.02	111.27
14	Y	828	CLA	C4D-C3D-CAD	3.80	112.58	108.10
14	Z	834	CLA	CED-O2D-CGD	3.80	124.54	115.94
14	Z	804	CLA	C1D-ND-C4D	-3.80	103.64	106.33
14	A	810	CLA	CHD-C1D-ND	-3.80	120.96	124.45
14	Z	838	CLA	O2D-CGD-CBD	3.80	118.02	111.27
14	Y	832	CLA	C1D-ND-C4D	-3.80	103.64	106.33
17	Y	844	BCR	C36-C18-C17	-3.80	117.60	122.92
14	A	828	CLA	C1C-C2C-C3C	-3.80	102.96	106.96
14	Z	823	CLA	O2D-CGD-O1D	-3.80	116.41	123.84
14	A	816	CLA	CMB-C2B-C3B	3.80	131.78	124.68
14	L	206	CLA	CMB-C2B-C3B	3.79	131.78	124.68
14	G	829	CLA	O2A-CGA-CBA	3.79	123.81	111.91
14	G	813	CLA	C4A-NA-C1A	3.79	108.41	106.71
14	B	818	CLA	O2D-CGD-CBD	3.79	118.00	111.27
14	f	101	CLA	O2D-CGD-O1D	-3.79	116.43	123.84
17	S	1105	BCR	C32-C1-C6	3.79	116.45	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	828	CLA	O2A-CGA-CBA	3.79	123.80	111.91
17	Y	853	BCR	C3-C4-C5	-3.79	107.31	114.08
14	G	841	CLA	O2A-CGA-CBA	3.79	123.80	111.91
14	Z	817	CLA	CMB-C2B-C3B	3.79	131.76	124.68
14	Y	820	CLA	O2A-C1-C2	3.79	118.59	108.64
18	H	849	LHG	O7-C7-C8	3.79	119.66	111.50
14	A	815	CLA	O2A-C1-C2	3.79	118.59	108.64
17	A	849	BCR	C38-C26-C27	3.79	120.89	113.62
14	A	806	CLA	O2A-CGA-CBA	3.79	123.79	111.91
17	G	849	BCR	C40-C30-C25	3.78	116.44	110.30
14	Y	824	CLA	OBD-CAD-C3D	-3.78	119.42	128.52
14	Z	823	CLA	O2A-CGA-CBA	3.78	123.78	111.91
14	G	810	CLA	CMB-C2B-C3B	3.78	131.76	124.68
14	Z	802	CLA	CHD-C1D-ND	-3.78	120.98	124.45
14	H	827	CLA	O2A-CGA-CBA	3.78	123.77	111.91
17	J	103	BCR	C34-C9-C8	3.78	124.03	118.08
17	Z	845	BCR	C33-C5-C6	-3.78	120.28	124.53
14	G	837	CLA	O2A-C1-C2	3.78	118.56	108.64
14	G	825	CLA	O2A-CGA-CBA	3.77	123.75	111.91
14	Z	827	CLA	CMB-C2B-C3B	3.77	131.74	124.68
14	B	806	CLA	C1D-ND-C4D	-3.77	103.66	106.33
14	G	808	CLA	O2A-CGA-CBA	3.77	123.75	111.91
14	G	853	CLA	O2A-CGA-O1A	-3.77	113.90	123.30
14	H	840	CLA	C4D-C3D-CAD	3.77	112.54	108.10
14	G	827	CLA	CMC-C2C-C1C	3.77	130.78	125.04
14	G	824	CLA	C3D-C4D-ND	3.77	116.34	110.24
14	B	817	CLA	CMB-C2B-C3B	3.77	131.73	124.68
14	A	810	CLA	CMB-C2B-C3B	3.77	131.73	124.68
14	Y	808	CLA	CHD-C1D-ND	-3.77	120.99	124.45
14	Z	829	CLA	CHD-C1D-ND	-3.77	120.99	124.45
14	Z	833	CLA	C3D-C2D-C1D	-3.77	100.69	105.83
14	A	841	CLA	C4-C3-C5	3.77	121.61	115.27
14	A	830	CLA	C4A-NA-C1A	3.77	108.40	106.71
14	A	854	CLA	C4D-C3D-CAD	3.77	112.53	108.10
14	G	829	CLA	C1D-ND-C4D	-3.76	103.66	106.33
17	G	846	BCR	C24-C23-C22	-3.76	120.55	126.23
17	Y	845	BCR	C36-C18-C17	-3.76	117.65	122.92
14	B	802	CLA	C3D-C2D-C1D	-3.76	100.69	105.83
14	G	838	CLA	CMB-C2B-C3B	3.76	131.72	124.68
14	A	809	CLA	CHD-C1D-ND	-3.76	121.00	124.45
14	h	206	CLA	O2A-C1-C2	3.76	118.52	108.64
14	Y	810	CLA	CHD-C1D-ND	-3.76	121.00	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	823	CLA	C3D-C4D-ND	3.76	116.32	110.24
14	G	819	CLA	C1-O2A-CGA	3.76	126.31	116.44
14	Y	836	CLA	CMB-C2B-C3B	3.76	131.71	124.68
14	T	103	CLA	C4A-NA-C1A	3.76	108.40	106.71
14	B	803	CLA	CMC-C2C-C1C	3.76	130.76	125.04
14	Y	815	CLA	O2D-CGD-O1D	-3.76	116.49	123.84
14	h	201	CLA	O2A-CGA-CBA	3.76	123.70	111.91
14	A	819	CLA	C1C-C2C-C3C	-3.75	103.01	106.96
18	A	852	LHG	O8-C23-C24	3.75	123.69	111.91
14	Z	833	CLA	C4D-C3D-CAD	3.75	112.52	108.10
17	U	1005	BCR	C28-C27-C26	-3.75	107.38	114.08
14	A	829	CLA	CHD-C1D-ND	-3.75	121.01	124.45
14	Z	825	CLA	O2D-CGD-CBD	3.75	117.93	111.27
14	Z	837	CLA	O2A-C1-C2	3.75	118.48	108.64
14	H	803	CLA	O2A-CGA-O1A	-3.75	114.14	123.59
14	T	101	CLA	OBD-CAD-C3D	-3.75	122.54	128.74
14	Y	829	CLA	C4A-NA-C1A	3.75	108.39	106.71
14	G	830	CLA	CHD-C1D-ND	-3.75	121.01	124.45
14	G	822	CLA	O2A-C1-C2	3.74	118.48	108.64
14	F	202	CLA	CMB-C2B-C3B	3.74	131.68	124.68
17	B	842	BCR	C15-C14-C13	-3.74	121.97	127.31
14	H	806	CLA	CAA-C2A-C3A	-3.74	102.53	112.78
14	G	805	CLA	O2A-CGA-CBA	3.74	123.64	111.91
17	H	850	BCR	C3-C4-C5	-3.74	107.41	114.08
14	G	814	CLA	CHD-C1D-ND	-3.74	121.02	124.45
14	Y	816	CLA	C4A-NA-C1A	3.73	108.39	106.71
14	H	826	CLA	C1-C2-C3	-3.73	119.58	126.04
14	Y	803	CLA	CHD-C1D-ND	-3.73	121.02	124.45
14	H	807	CLA	CMC-C2C-C1C	3.73	130.72	125.04
17	V	101	BCR	C33-C5-C6	-3.73	120.34	124.53
14	Y	823	CLA	O2D-CGD-O1D	-3.73	116.55	123.84
14	H	851	CLA	CMB-C2B-C3B	3.73	131.66	124.68
14	Y	827	CLA	OBD-CAD-C3D	-3.73	119.55	128.52
14	Z	813	CLA	O2A-CGA-CBA	3.73	126.00	114.03
14	H	829	CLA	CHD-C1D-ND	-3.73	121.03	124.45
14	T	103	CLA	CMA-C3A-C4A	3.73	121.79	111.77
14	Z	820	CLA	O2A-CGA-O1A	-3.73	114.19	123.59
17	I	101	BCR	C37-C22-C21	-3.72	117.71	122.92
14	A	833	CLA	C6-C5-C3	-3.72	103.69	113.45
14	Y	838	CLA	O2A-CGA-CBA	3.72	123.59	111.91
14	Y	805	CLA	CGD-CBD-CAD	-3.72	98.67	110.73
14	Z	825	CLA	CMC-C2C-C1C	3.72	130.71	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
19	B	848	LMG	O7-C10-C11	3.72	119.53	111.50
14	Y	833	CLA	CHD-C1D-ND	-3.72	121.03	124.45
14	A	842	CLA	C4D-C3D-CAD	3.72	112.48	108.10
17	i	101	BCR	C7-C6-C5	-3.72	112.45	121.46
14	A	854	CLA	CHD-C1D-ND	-3.72	121.03	124.45
14	H	817	CLA	C4D-C3D-CAD	3.72	112.48	108.10
14	Z	825	CLA	CHD-C1D-ND	-3.72	121.03	124.45
14	d	201	CLA	O2A-CGA-CBA	3.72	123.58	111.91
14	Y	824	CLA	CMB-C2B-C3B	3.72	131.64	124.68
14	A	836	CLA	CMC-C2C-C1C	3.72	130.70	125.04
17	Y	847	BCR	C33-C5-C6	-3.72	120.35	124.53
17	B	847	BCR	C34-C9-C8	3.72	123.93	118.08
14	G	829	CLA	C4A-NA-C1A	3.72	108.38	106.71
14	B	805	CLA	O2A-C1-C2	3.72	118.40	108.64
14	Z	805	CLA	CHD-C1D-ND	-3.71	121.04	124.45
14	B	825	CLA	C3C-C4C-NC	3.71	114.74	110.57
17	e	101	BCR	C33-C5-C6	-3.71	120.36	124.53
17	h	202	BCR	C24-C23-C22	-3.71	120.62	126.23
14	G	831	CLA	O2D-CGD-O1D	-3.71	116.58	123.84
17	G	845	BCR	C12-C13-C14	3.71	124.64	118.94
14	A	822	CLA	O2A-C1-C2	3.71	118.39	108.64
14	W	1701	CLA	CHD-C1D-ND	-3.71	121.04	124.45
17	Y	844	BCR	C34-C9-C10	-3.71	117.73	122.92
14	B	803	CLA	CMB-C2B-C3B	3.71	131.62	124.68
17	h	207	BCR	C37-C22-C21	-3.71	117.73	122.92
14	Z	833	CLA	C3D-C4D-ND	3.71	116.24	110.24
14	h	201	CLA	C4A-NA-C1A	3.71	108.37	106.71
17	A	849	BCR	C28-C27-C26	-3.71	107.46	114.08
14	Z	832	CLA	CMB-C2B-C3B	3.71	131.61	124.68
14	L	204	CLA	O2D-CGD-CBD	3.70	117.85	111.27
17	J	103	BCR	C34-C9-C10	-3.70	117.73	122.92
14	L	202	CLA	C5-C3-C2	-3.70	113.62	121.12
14	Z	820	CLA	CHD-C1D-ND	-3.70	121.05	124.45
14	A	823	CLA	O2D-CGD-O1D	-3.70	116.60	123.84
14	B	838	CLA	O2A-CGA-O1A	-3.70	114.07	123.30
17	Z	843	BCR	C34-C9-C10	-3.70	117.74	122.92
14	G	837	CLA	CMB-C2B-C3B	3.70	131.60	124.68
14	H	827	CLA	CMB-C2B-C3B	3.70	131.59	124.68
14	Z	828	CLA	C1D-ND-C4D	-3.70	103.71	106.33
14	Y	809	CLA	CAC-C3C-C4C	3.70	129.61	124.81
14	L	205	CLA	CMB-C2B-C3B	3.70	131.59	124.68
14	U	1003	CLA	C3D-C4D-ND	3.70	116.22	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	R	102	BCR	C24-C23-C22	-3.69	120.65	126.23
14	L	204	CLA	CMB-C2B-C3B	3.69	131.59	124.68
14	Y	808	CLA	C3C-C4C-NC	3.69	114.71	110.57
14	U	1006	CLA	O2D-CGD-CBD	3.69	117.82	111.27
17	Y	845	BCR	C28-C27-C26	-3.69	107.49	114.08
14	d	201	CLA	O2D-CGD-O1D	-3.69	116.63	123.84
14	Y	837	CLA	O2A-C1-C2	3.69	118.32	108.64
14	A	807	CLA	CHD-C1D-ND	-3.69	121.07	124.45
17	S	1105	BCR	C7-C8-C9	-3.69	120.67	126.23
17	Z	847	BCR	C3-C4-C5	-3.69	107.50	114.08
14	H	804	CLA	O2A-CGA-CBA	3.68	123.47	111.91
14	Y	821	CLA	O2A-CGA-O1A	-3.68	114.29	123.59
14	H	809	CLA	C1D-ND-C4D	-3.68	103.72	106.33
14	B	811	CLA	O2A-CGA-CBA	3.68	123.47	111.91
14	G	820	CLA	C4A-NA-C1A	3.68	108.36	106.71
17	V	101	BCR	C23-C24-C25	-3.68	116.86	127.20
17	I	102	BCR	C15-C14-C13	-3.68	122.05	127.31
14	B	825	CLA	CMB-C2B-C3B	3.68	131.57	124.68
14	H	819	CLA	O2D-CGD-CBD	3.68	117.81	111.27
14	H	814	CLA	CMB-C2B-C3B	3.68	131.56	124.68
14	Y	836	CLA	O2A-CGA-CBA	3.68	123.45	111.91
14	A	803	CLA	C4-C3-C5	3.68	121.46	115.27
14	G	840	CLA	O2A-C1-C2	3.68	118.30	108.64
14	Z	817	CLA	C4D-C3D-CAD	3.68	112.43	108.10
14	G	813	CLA	O2A-CGA-CBA	3.68	123.44	111.91
17	Q	201	BCR	C34-C9-C10	-3.68	117.78	122.92
14	Y	814	CLA	CMB-C2B-C3B	3.67	131.55	124.68
17	H	847	BCR	C30-C25-C26	-3.67	117.44	122.61
14	B	801	CLA	O2D-CGD-CBD	3.67	117.80	111.27
14	Y	829	CLA	O2A-CGA-O1A	-3.67	114.32	123.59
14	Z	803	CLA	CHD-C1D-ND	-3.67	121.08	124.45
14	Z	839	CLA	O2D-CGD-O1D	-3.67	116.66	123.84
17	S	1105	BCR	C37-C22-C23	3.67	123.86	118.08
14	G	822	CLA	O2D-CGD-O1D	-3.67	116.66	123.84
14	Y	826	CLA	O2A-C1-C2	3.67	118.28	108.64
17	A	848	BCR	C33-C5-C6	-3.67	120.41	124.53
14	A	837	CLA	O2A-C1-C2	3.67	118.28	108.64
14	B	802	CLA	O2A-C1-C2	3.67	118.28	108.64
14	B	808	CLA	C4-C3-C5	3.67	121.44	115.27
17	f	103	BCR	C3-C4-C5	-3.67	107.53	114.08
14	A	803	CLA	C4A-NA-C1A	3.67	108.35	106.71
18	A	853	LHG	O7-C7-C8	3.66	119.40	111.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	808	CLA	C1D-ND-C4D	-3.66	103.73	106.33
17	H	846	BCR	C8-C7-C6	-3.66	116.91	127.20
14	Y	835	CLA	O2A-CGA-CBA	3.66	123.40	111.91
14	G	817	CLA	CMB-C2B-C3B	3.66	131.53	124.68
14	H	827	CLA	O2D-CGD-CBD	3.66	117.77	111.27
14	B	831	CLA	O2A-C1-C2	3.66	118.26	108.64
17	G	848	BCR	C30-C25-C26	-3.66	117.46	122.61
17	B	842	BCR	C3-C4-C5	-3.66	107.55	114.08
14	A	840	CLA	O2A-CGA-CBA	3.66	123.38	111.91
14	A	854	CLA	O2D-CGD-O1D	-3.65	116.69	123.84
14	L	206	CLA	C3D-C4D-ND	3.65	116.15	110.24
14	Z	836	CLA	O2D-CGD-O1D	-3.65	116.69	123.84
17	Z	844	BCR	C8-C7-C6	-3.65	116.94	127.20
14	Z	838	CLA	O2A-CGA-CBA	3.65	123.37	111.91
17	Y	844	BCR	C34-C9-C8	3.65	123.83	118.08
17	B	844	BCR	C33-C5-C4	3.65	120.63	113.62
14	Y	835	CLA	O2D-CGD-O1D	-3.65	116.70	123.84
14	Z	821	CLA	CMB-C2B-C3B	3.65	131.51	124.68
17	A	849	BCR	C33-C5-C6	-3.65	120.43	124.53
14	H	815	CLA	O2A-CGA-CBA	3.65	125.75	114.03
14	H	829	CLA	C1-O2A-CGA	3.65	126.02	116.44
14	B	840	CLA	C1-O2A-CGA	3.65	126.02	116.44
14	Z	806	CLA	CED-O2D-CGD	3.65	124.19	115.94
14	B	803	CLA	C4D-C3D-CAD	3.65	112.39	108.10
17	M	101	BCR	C39-C30-C25	-3.65	104.38	110.30
14	K	102	CLA	CMA-C3A-C4A	3.65	121.57	111.77
17	J	103	BCR	C12-C13-C14	3.65	124.53	118.94
14	Y	833	CLA	O2D-CGD-O1D	-3.64	116.71	123.84
14	H	802	CLA	O2A-CGA-CBA	3.64	123.34	111.91
14	Z	813	CLA	O2D-CGD-CBD	3.64	117.74	111.27
14	Z	835	CLA	C3D-C4D-ND	3.64	116.13	110.24
17	Y	849	BCR	C34-C9-C8	3.64	123.81	118.08
14	Z	841	CLA	O2A-CGA-CBA	3.64	123.34	111.91
14	G	809	CLA	CMB-C2B-C3B	3.64	131.49	124.68
14	Z	818	CLA	CMB-C2B-C3B	3.64	131.49	124.68
14	J	102	CLA	CMA-C3A-C4A	3.64	121.56	111.77
14	Z	807	CLA	OBD-CAD-C3D	-3.64	119.76	128.52
17	B	847	BCR	C7-C8-C9	-3.64	120.73	126.23
14	A	830	CLA	O2A-CGA-O1A	-3.64	114.40	123.59
14	H	823	CLA	O2A-CGA-O1A	-3.64	114.40	123.59
17	T	102	BCR	C23-C22-C21	3.64	124.53	118.94
14	A	840	CLA	CHD-C1D-ND	-3.64	121.11	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	846	BCR	C38-C26-C25	3.64	128.62	124.53
14	B	804	CLA	C3D-C4D-ND	3.64	116.12	110.24
17	F	203	BCR	C34-C9-C8	3.64	123.81	118.08
13	Y	801	CL0	CHD-C1D-ND	-3.64	121.11	124.45
14	G	804	CLA	O1D-CGD-CBD	-3.64	117.04	124.48
14	G	852	CLA	O2A-CGA-O1A	-3.64	114.41	123.59
14	H	832	CLA	O2A-CGA-CBA	3.64	123.33	111.91
17	H	842	BCR	C34-C9-C10	-3.64	117.83	122.92
14	B	823	CLA	O2A-CGA-CBA	3.63	123.31	111.91
14	G	822	CLA	C3D-C4D-ND	3.63	116.12	110.24
14	A	833	CLA	CMC-C2C-C1C	3.63	130.57	125.04
14	Y	811	CLA	O2A-CGA-CBA	3.63	123.31	111.91
14	B	808	CLA	CHD-C1D-ND	-3.63	121.12	124.45
14	B	816	CLA	CHD-C1D-ND	-3.63	121.12	124.45
14	J	102	CLA	O2D-CGD-O1D	-3.63	116.74	123.84
14	S	1103	CLA	O1D-CGD-CBD	-3.63	117.06	124.48
14	G	820	CLA	C4-C3-C5	3.63	121.37	115.27
14	A	804	CLA	CHD-C1D-ND	-3.63	121.12	124.45
14	A	830	CLA	C3D-C2D-C1D	-3.63	100.88	105.83
17	f	103	BCR	C24-C23-C22	-3.63	120.75	126.23
14	G	814	CLA	O2D-CGD-CBD	3.63	117.71	111.27
14	Y	806	CLA	CMB-C2B-C3B	3.63	131.46	124.68
17	A	846	BCR	C33-C5-C6	-3.63	120.46	124.53
14	Y	814	CLA	CHD-C1D-ND	-3.62	121.12	124.45
17	S	1104	BCR	C29-C30-C25	-3.62	104.90	110.48
17	G	849	BCR	C36-C18-C17	3.62	128.00	122.92
14	H	802	CLA	O2D-CGD-O1D	-3.62	116.75	123.84
14	A	822	CLA	O2D-CGD-CBD	3.62	117.70	111.27
14	Y	816	CLA	O2A-C1-C2	3.62	118.15	108.64
14	Y	814	CLA	C4A-NA-C1A	3.62	108.33	106.71
14	Z	833	CLA	O1D-CGD-CBD	-3.62	117.08	124.48
14	Z	811	CLA	CMA-C3A-C4A	3.62	121.50	111.77
14	A	818	CLA	O2A-CGA-CBA	3.62	123.27	111.91
14	H	810	CLA	CMC-C2C-C1C	3.62	130.55	125.04
13	A	801	CL0	C4D-C3D-CAD	3.62	112.36	108.10
14	g	102	CLA	C4A-NA-C1A	3.62	108.33	106.71
17	G	846	BCR	C7-C6-C5	-3.62	112.70	121.46
17	Z	848	BCR	C34-C9-C10	-3.62	117.86	122.92
17	R	102	BCR	C7-C8-C9	-3.62	120.77	126.23
14	A	827	CLA	O2A-CGA-O1A	-3.62	114.47	123.59
14	A	827	CLA	O2D-CGD-CBD	3.62	117.69	111.27
14	G	818	CLA	CHD-C1D-ND	-3.61	121.13	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	1007	CLA	O2A-CGA-O1A	-3.61	114.47	123.59
14	Z	810	CLA	C4D-C3D-CAD	3.61	112.36	108.10
14	G	834	CLA	O2A-CGA-O1A	-3.61	114.47	123.59
14	Z	822	CLA	CMB-C2B-C3B	3.61	131.44	124.68
14	B	810	CLA	O2D-CGD-O1D	-3.61	116.78	123.84
14	B	821	CLA	O2A-CGA-CBA	3.61	123.24	111.91
14	Z	838	CLA	O2A-C1-C2	3.61	118.12	108.64
14	H	840	CLA	CHD-C4C-C3C	-3.61	119.53	124.84
14	Y	825	CLA	O2A-CGA-CBA	3.61	123.23	111.91
17	G	845	BCR	C24-C23-C22	-3.61	120.78	126.23
14	G	821	CLA	C3D-C4D-ND	3.61	116.07	110.24
17	H	846	BCR	C1-C6-C7	3.61	125.98	115.78
14	G	852	CLA	O2A-C1-C2	3.60	118.11	108.64
14	G	820	CLA	CHD-C1D-ND	-3.60	121.14	124.45
14	H	829	CLA	O2A-CGA-CBA	3.60	123.21	111.91
17	G	849	BCR	C39-C30-C25	-3.60	104.46	110.30
14	H	819	CLA	CMB-C2B-C3B	3.60	131.41	124.68
14	Y	838	CLA	CHD-C1D-ND	-3.60	121.15	124.45
14	Z	834	CLA	CMB-C2B-C3B	3.59	131.40	124.68
14	A	816	CLA	O2A-CGA-CBA	3.59	123.19	111.91
14	A	822	CLA	O2A-CGA-CBA	3.59	123.19	111.91
14	H	813	CLA	C1-C2-C3	-3.59	119.83	126.04
14	Y	802	CLA	C4A-NA-C1A	3.59	108.32	106.71
17	A	848	BCR	C34-C9-C8	3.59	123.73	118.08
14	H	835	CLA	CMC-C2C-C1C	3.59	130.51	125.04
14	G	828	CLA	CMC-C2C-C1C	3.59	130.50	125.04
14	G	809	CLA	O2A-C1-C2	3.59	118.06	108.64
14	B	803	CLA	OBD-CAD-C3D	-3.59	119.89	128.52
14	H	819	CLA	O2A-CGA-O1A	-3.59	114.54	123.59
14	H	837	CLA	O2D-CGD-O1D	-3.58	116.83	123.84
14	Z	822	CLA	O2A-CGA-CBA	3.58	125.55	114.03
14	Z	827	CLA	CHD-C1D-ND	-3.58	121.16	124.45
14	H	813	CLA	CAC-C3C-C4C	3.58	129.46	124.81
17	Z	845	BCR	C8-C7-C6	-3.58	117.14	127.20
14	A	826	CLA	CHD-C1D-ND	-3.58	121.16	124.45
17	G	846	BCR	C34-C9-C10	-3.58	117.90	122.92
14	A	819	CLA	CMB-C2B-C3B	3.58	131.38	124.68
14	Z	836	CLA	CHD-C1D-ND	-3.58	121.16	124.45
14	G	837	CLA	CMA-C3A-C4A	3.58	121.39	111.77
17	Z	843	BCR	C8-C7-C6	-3.58	117.15	127.20
17	B	844	BCR	C3-C4-C5	-3.58	107.69	114.08
14	B	801	CLA	O2A-C1-C2	3.58	118.04	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	804	CLA	C3D-C2D-C1D	-3.58	100.95	105.83
14	Z	821	CLA	O2A-CGA-CBA	3.58	125.53	114.03
14	B	807	CLA	C4D-C3D-CAD	3.58	112.31	108.10
14	G	838	CLA	CMD-C2D-C3D	-3.58	119.38	127.61
14	B	827	CLA	O2A-CGA-CBA	3.58	123.14	111.91
14	B	832	CLA	O1D-CGD-CBD	-3.58	117.17	124.48
14	G	817	CLA	C4A-NA-C1A	3.58	108.31	106.71
14	H	812	CLA	C4A-NA-C1A	3.58	108.31	106.71
14	H	816	CLA	CMA-C3A-C4A	3.58	121.39	111.77
17	H	845	BCR	C23-C22-C21	3.57	124.42	118.94
14	B	826	CLA	CHD-C1D-ND	-3.57	121.17	124.45
14	Y	813	CLA	CMB-C2B-C3B	3.57	131.36	124.68
17	G	846	BCR	C28-C27-C26	-3.57	107.71	114.08
14	A	814	CLA	O2A-CGA-CBA	3.57	123.10	111.91
14	Z	815	CLA	O2A-CGA-CBA	3.57	123.10	111.91
14	A	828	CLA	O2A-C1-C2	3.57	118.01	108.64
17	Y	844	BCR	C24-C23-C22	-3.57	120.85	126.23
14	Y	828	CLA	CMC-C2C-C1C	3.56	130.47	125.04
14	A	835	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	A	825	CLA	O2D-CGD-CBD	3.56	117.60	111.27
14	Z	809	CLA	CHD-C1D-ND	-3.56	121.18	124.45
14	H	807	CLA	O2D-CGD-O1D	-3.56	116.88	123.84
14	A	817	CLA	O2A-C1-C2	3.56	117.99	108.64
14	A	826	CLA	CMA-C3A-C4A	3.56	121.34	111.77
17	A	846	BCR	C23-C22-C21	-3.56	113.48	118.94
14	Y	824	CLA	C3C-C4C-NC	3.56	114.56	110.57
13	A	801	CL0	C1D-ND-C4D	-3.56	103.81	106.33
14	A	804	CLA	O2D-CGD-O1D	-3.56	116.88	123.84
14	Z	823	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	G	830	CLA	CMA-C3A-C4A	3.56	121.33	111.77
14	Z	825	CLA	O2A-C1-C2	3.56	117.98	108.64
17	M	101	BCR	C23-C22-C21	3.56	124.40	118.94
14	G	832	CLA	O2A-CGA-CBA	3.56	123.07	111.91
14	Y	839	CLA	O2A-CGA-CBA	3.56	123.07	111.91
14	G	820	CLA	O2D-CGD-O1D	-3.56	116.88	123.84
19	B	848	LMG	O4-C4-C3	-3.56	102.13	110.35
14	A	828	CLA	CHD-C1D-ND	-3.56	121.19	124.45
14	G	839	CLA	O2A-CGA-O1A	-3.56	114.62	123.59
17	Q	203	BCR	C39-C30-C25	-3.55	104.53	110.30
14	G	820	CLA	CMB-C2B-C3B	3.55	131.33	124.68
13	Y	801	CL0	O2D-CGD-O1D	-3.55	116.89	123.84
14	H	805	CLA	CED-O2D-CGD	3.55	123.97	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	G	847	BCR	C37-C22-C21	-3.55	117.95	122.92
14	H	803	CLA	CHD-C1D-ND	-3.55	121.19	124.45
14	Z	815	CLA	CMC-C2C-C1C	3.55	130.44	125.04
14	A	803	CLA	CBC-CAC-C3C	-3.55	102.65	112.43
14	Z	804	CLA	CED-O2D-CGD	3.55	123.96	115.94
14	Y	831	CLA	CMC-C2C-C1C	3.55	130.44	125.04
17	H	850	BCR	C36-C18-C17	-3.55	117.95	122.92
14	G	823	CLA	C4D-C3D-CAD	3.55	112.28	108.10
17	Y	847	BCR	C30-C25-C24	3.54	125.81	115.78
14	Z	810	CLA	CMC-C2C-C1C	3.54	130.44	125.04
14	G	807	CLA	C3D-C4D-ND	3.54	115.97	110.24
17	Y	846	BCR	C28-C27-C26	-3.54	107.75	114.08
14	H	837	CLA	C1-O2A-CGA	3.54	125.74	116.44
14	H	836	CLA	C3C-C4C-NC	3.54	114.54	110.57
14	B	840	CLA	CAA-C2A-C3A	-3.54	103.08	112.78
14	B	825	CLA	C1-C2-C3	-3.54	119.92	126.04
14	H	827	CLA	CHB-C4A-NA	3.54	129.41	124.51
14	B	811	CLA	C1-C2-C3	-3.54	121.03	126.75
14	Y	832	CLA	O2D-CGD-CBD	3.54	117.56	111.27
14	Z	823	CLA	CHD-C1D-ND	-3.54	121.20	124.45
14	T	101	CLA	CAC-C3C-C4C	3.54	129.40	124.81
14	A	838	CLA	CHD-C1D-ND	-3.54	121.20	124.45
14	Z	837	CLA	OBD-CAD-C3D	-3.54	120.01	128.52
15	Y	842	PQN	C12-C11-C3	-3.54	102.51	112.05
14	Y	805	CLA	O2A-CGA-O1A	-3.54	114.67	123.59
14	B	838	CLA	CAA-CBA-CGA	-3.53	103.13	112.51
14	Y	818	CLA	CMB-C2B-C3B	3.53	131.29	124.68
17	B	846	BCR	C23-C24-C25	-3.53	117.28	127.20
14	B	834	CLA	CAC-C3C-C4C	3.53	129.39	124.81
14	B	803	CLA	O2A-CGA-CBA	3.53	122.99	111.91
14	Z	830	CLA	CHD-C1D-ND	-3.53	121.21	124.45
17	d	203	BCR	C28-C27-C26	-3.53	107.78	114.08
17	Y	846	BCR	C1-C6-C5	-3.53	117.65	122.61
14	G	853	CLA	C4A-NA-C1A	3.53	108.29	106.71
14	Y	835	CLA	CMB-C2B-C3B	3.52	131.27	124.68
14	Y	836	CLA	C1-O2A-CGA	3.52	125.69	116.44
14	Z	820	CLA	O2A-C1-C2	3.52	117.90	108.64
17	G	849	BCR	C28-C27-C26	-3.52	107.79	114.08
14	X	1701	CLA	C4A-NA-C1A	3.52	108.29	106.71
14	A	828	CLA	OBD-CAD-C3D	-3.52	120.05	128.52
14	G	807	CLA	CMA-C3A-C4A	3.52	121.23	111.77
14	Y	831	CLA	O2A-CGA-O1A	-3.52	114.71	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	806	CLA	CMB-C2B-C3B	3.52	131.26	124.68
17	A	850	BCR	C37-C22-C21	-3.52	117.99	122.92
14	H	811	CLA	CMC-C2C-C1C	3.52	130.40	125.04
14	G	821	CLA	O2A-CGA-CBA	3.52	122.95	111.91
14	B	825	CLA	O2A-CGA-CBA	3.52	122.94	111.91
14	Z	833	CLA	O2A-CGA-CBA	3.52	122.94	111.91
14	A	831	CLA	O2A-CGA-CBA	3.52	122.94	111.91
14	Y	813	CLA	O2A-CGA-CBA	3.51	122.94	111.91
14	H	820	CLA	CHD-C1D-ND	-3.51	121.22	124.45
14	Y	826	CLA	O2A-CGA-CBA	3.51	122.93	111.91
17	Q	203	BCR	C27-C26-C25	-3.51	117.63	122.73
14	G	831	CLA	O2A-CGA-CBA	3.51	122.93	111.91
14	H	804	CLA	CMC-C2C-C1C	3.51	130.38	125.04
14	Y	817	CLA	CAC-C3C-C4C	3.51	129.36	124.81
14	A	837	CLA	CMA-C3A-C4A	3.51	121.20	111.77
14	A	825	CLA	C3C-C4C-NC	3.51	114.50	110.57
13	A	801	CL0	CAC-C3C-C4C	3.51	129.36	124.81
17	Z	850	BCR	C23-C22-C21	3.51	124.32	118.94
14	H	837	CLA	CMA-C3A-C4A	3.51	121.20	111.77
14	G	807	CLA	CAC-C3C-C4C	3.51	129.36	124.81
17	J	104	BCR	C8-C7-C6	-3.50	117.36	127.20
17	V	101	BCR	C39-C30-C25	-3.50	104.61	110.30
14	Y	826	CLA	CHD-C1D-ND	-3.50	121.23	124.45
14	Y	840	CLA	C4-C3-C5	3.50	121.16	115.27
14	H	820	CLA	OBD-CAD-C3D	-3.50	120.10	128.52
17	d	203	BCR	C31-C1-C6	-3.50	104.62	110.30
17	R	101	BCR	C8-C7-C6	-3.50	117.38	127.20
14	G	823	CLA	O2A-CGA-CBA	3.50	122.88	111.91
14	Y	825	CLA	CED-O2D-CGD	3.50	123.84	115.94
14	K	101	CLA	C4D-C3D-CAD	3.49	112.36	107.70
14	Y	832	CLA	OBD-CAD-C3D	-3.49	120.11	128.52
17	J	104	BCR	C39-C30-C25	-3.49	104.63	110.30
14	B	834	CLA	C3D-C4D-ND	3.49	115.89	110.24
14	A	839	CLA	CMC-C2C-C1C	3.49	130.36	125.04
14	A	811	CLA	O2A-CGA-CBA	3.49	125.25	114.03
14	B	827	CLA	CHD-C1D-ND	-3.49	121.25	124.45
14	S	1101	CLA	CMB-C2B-C3B	3.49	131.21	124.68
14	B	804	CLA	CHB-C4A-NA	3.49	129.34	124.51
17	F	201	BCR	C3-C4-C5	-3.49	107.85	114.08
14	A	840	CLA	C3C-C4C-NC	3.49	114.48	110.57
14	Z	811	CLA	CHD-C4C-C3C	-3.49	119.71	124.84
14	Z	810	CLA	OBD-CAD-C3D	-3.49	120.13	128.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	804	CLA	CMB-C2B-C3B	3.49	131.20	124.68
14	Y	807	CLA	C3D-C4D-ND	3.49	115.88	110.24
14	H	816	CLA	CMC-C2C-C1C	3.48	130.35	125.04
14	Z	827	CLA	O2A-C1-C2	3.48	117.79	108.64
14	Z	828	CLA	CHD-C1D-ND	-3.48	121.25	124.45
14	G	841	CLA	CED-O2D-CGD	3.48	123.81	115.94
14	Y	820	CLA	O1D-CGD-CBD	-3.48	117.36	124.48
14	H	812	CLA	CHD-C1D-ND	-3.48	121.25	124.45
17	Y	849	BCR	C7-C6-C5	-3.48	113.03	121.46
17	Z	847	BCR	C33-C5-C6	-3.48	120.62	124.53
14	Z	831	CLA	CMC-C2C-C1C	3.48	130.34	125.04
17	Y	849	BCR	C33-C5-C4	3.48	120.30	113.62
14	H	817	CLA	OBD-CAD-C3D	-3.48	120.14	128.52
14	H	806	CLA	C4-C3-C5	3.48	121.12	115.27
14	Y	804	CLA	O2A-CGA-CBA	3.48	122.83	111.91
17	Q	201	BCR	C30-C25-C26	-3.48	117.72	122.61
14	Z	821	CLA	CMA-C3A-C4A	3.48	121.11	111.77
14	Y	836	CLA	O2A-C1-C2	3.47	117.76	108.64
14	A	854	CLA	OBD-CAD-C3D	-3.47	120.16	128.52
14	A	839	CLA	CHD-C1D-ND	-3.47	121.27	124.45
14	B	833	CLA	CMB-C2B-C3B	3.47	131.17	124.68
14	Y	809	CLA	CMB-C2B-C3B	3.47	131.17	124.68
14	Z	830	CLA	CMB-C2B-C3B	3.47	131.17	124.68
14	L	202	CLA	C6-C7-C8	-3.47	104.71	115.92
14	Z	809	CLA	CMC-C2C-C1C	3.47	130.32	125.04
14	B	838	CLA	C3D-C4D-ND	3.47	115.84	110.24
14	B	819	CLA	C4A-NA-C1A	3.47	108.26	106.71
14	B	819	CLA	O2A-CGA-CBA	3.46	125.16	114.03
17	H	844	BCR	C3-C4-C5	-3.46	107.89	114.08
14	H	851	CLA	O2D-CGD-O1D	-3.46	117.07	123.84
14	H	824	CLA	CMC-C2C-C1C	3.46	130.31	125.04
14	Y	825	CLA	CMA-C3A-C4A	3.46	121.08	111.77
14	A	827	CLA	CMD-C2D-C3D	-3.46	119.65	127.61
17	G	845	BCR	C27-C26-C25	-3.46	117.71	122.73
14	A	812	CLA	O2D-CGD-CBD	3.46	117.41	111.27
17	B	844	BCR	C37-C22-C23	3.46	123.53	118.08
14	L	204	CLA	C1-O2A-CGA	3.46	125.52	116.44
14	H	823	CLA	O2A-C1-C2	3.46	117.72	108.64
14	B	818	CLA	CMC-C2C-C1C	3.46	130.30	125.04
14	U	1003	CLA	O1D-CGD-CBD	-3.46	117.41	124.48
14	A	841	CLA	CED-O2D-CGD	3.46	123.75	115.94
18	B	849	LHG	O8-C23-C24	3.45	122.75	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	811	CLA	C4A-NA-C1A	3.45	108.26	106.71
14	G	831	CLA	C1-O2A-CGA	3.45	125.51	116.44
14	B	824	CLA	C3D-C4D-ND	3.45	115.83	110.24
14	G	802	CLA	CAC-C3C-C4C	3.45	129.29	124.81
14	g	102	CLA	O2A-CGA-CBA	3.45	125.13	114.03
14	B	840	CLA	C3D-C4D-ND	3.45	115.82	110.24
14	Y	830	CLA	CMC-C2C-C1C	3.45	130.30	125.04
14	G	840	CLA	CHD-C1D-ND	-3.45	121.28	124.45
17	Y	845	BCR	C30-C25-C24	3.45	125.54	115.78
14	Z	817	CLA	O2A-CGA-CBA	3.45	122.74	111.91
14	A	826	CLA	O2A-C1-C2	3.45	117.70	108.64
17	G	845	BCR	C34-C9-C10	-3.45	118.09	122.92
14	G	831	CLA	CMB-C2B-C3B	3.45	131.13	124.68
14	H	816	CLA	O2A-CGA-CBA	3.45	122.73	111.91
14	A	821	CLA	C4-C3-C5	3.45	121.07	115.27
14	G	835	CLA	CMB-C2B-C3B	3.45	131.12	124.68
14	H	810	CLA	O2A-C1-C2	3.45	117.69	108.64
14	B	802	CLA	CMB-C2B-C3B	3.44	131.12	124.68
14	G	802	CLA	O2A-C1-C2	3.44	117.68	108.64
14	L	206	CLA	O2A-CGA-O1A	-3.44	114.91	123.59
17	Y	852	BCR	C7-C8-C9	-3.44	121.03	126.23
14	H	839	CLA	C3C-C4C-NC	3.44	114.43	110.57
14	Y	814	CLA	C3C-C4C-NC	3.44	114.43	110.57
14	G	825	CLA	CHD-C1D-ND	-3.44	121.29	124.45
13	G	801	CL0	CMB-C2B-C3B	3.44	131.11	124.68
14	A	832	CLA	C3C-C4C-NC	3.44	114.43	110.57
14	A	808	CLA	C3D-C4D-ND	3.44	115.80	110.24
14	A	842	CLA	C3D-C4D-ND	3.44	115.80	110.24
14	Z	809	CLA	O1D-CGD-CBD	-3.44	117.45	124.48
17	H	846	BCR	C3-C4-C5	-3.44	107.94	114.08
14	Z	824	CLA	CAC-C3C-C4C	3.44	129.27	124.81
14	Y	832	CLA	CMB-C2B-C3B	3.44	131.11	124.68
14	Z	835	CLA	CED-O2D-CGD	3.44	123.71	115.94
14	B	835	CLA	C4A-NA-C1A	3.44	108.25	106.71
14	G	824	CLA	CED-O2D-CGD	3.44	123.71	115.94
13	G	801	CL0	CAA-C2A-C3A	-3.43	103.37	112.78
17	d	203	BCR	C23-C24-C25	-3.43	117.56	127.20
14	B	817	CLA	CAC-C3C-C4C	3.43	129.26	124.81
14	Z	810	CLA	CHD-C1D-ND	-3.43	121.30	124.45
17	M	101	BCR	C33-C5-C6	-3.43	120.68	124.53
14	B	817	CLA	C4A-NA-C1A	3.43	108.25	106.71
14	Y	809	CLA	O2A-CGA-CBA	3.43	122.67	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	840	CLA	O2A-CGA-CBA	3.43	122.67	111.91
17	Z	843	BCR	C30-C25-C26	-3.43	117.78	122.61
14	B	815	CLA	O2A-CGA-CBA	3.43	122.67	111.91
14	G	826	CLA	C4D-C3D-CAD	3.43	112.14	108.10
14	L	206	CLA	O2A-CGA-CBA	3.43	122.66	111.91
14	Y	819	CLA	CMB-C2B-C3B	3.43	131.09	124.68
14	G	814	CLA	O2A-CGA-CBA	3.43	122.66	111.91
14	B	838	CLA	O2D-CGD-O1D	-3.42	117.14	123.84
17	Y	845	BCR	C38-C26-C27	3.42	120.19	113.62
14	G	802	CLA	CMB-C2B-C3B	3.42	131.08	124.68
14	Y	840	CLA	C3D-C4D-ND	3.42	115.78	110.24
17	U	1009	BCR	C3-C4-C5	-3.42	107.96	114.08
17	Z	848	BCR	C36-C18-C17	-3.42	118.13	122.92
14	G	822	CLA	CMB-C2B-C3B	3.42	131.08	124.68
14	A	830	CLA	C3D-C4D-ND	3.42	115.77	110.24
14	W	1701	CLA	O2A-CGA-CBA	3.42	125.03	114.03
14	H	831	CLA	O2A-CGA-CBA	3.42	122.64	111.91
14	H	817	CLA	C1-C2-C3	-3.42	120.13	126.04
14	Z	823	CLA	C3D-C4D-ND	3.42	115.77	110.24
17	Y	849	BCR	C3-C4-C5	-3.42	107.97	114.08
14	H	827	CLA	C3C-C4C-NC	3.42	114.41	110.57
14	H	827	CLA	CHD-C1D-ND	-3.42	121.31	124.45
17	B	843	BCR	C15-C14-C13	-3.42	122.43	127.31
14	A	841	CLA	C3D-C4D-ND	3.42	115.77	110.24
14	Z	814	CLA	OBD-CAD-C3D	-3.42	120.30	128.52
14	Y	809	CLA	O2A-CGA-O1A	-3.42	114.97	123.59
14	W	1701	CLA	CMC-C2C-C1C	3.42	130.24	125.04
14	B	809	CLA	C4C-C3C-C2C	-3.42	101.92	106.90
14	H	837	CLA	O2A-CGA-CBA	3.42	122.63	111.91
17	A	851	BCR	C8-C7-C6	-3.42	117.61	127.20
14	A	826	CLA	O2A-CGA-CBA	3.41	122.62	111.91
14	H	832	CLA	CHD-C1D-ND	-3.41	121.32	124.45
17	A	846	BCR	C30-C25-C26	-3.41	117.80	122.61
14	G	807	CLA	C1C-C2C-C3C	-3.41	103.37	106.96
14	Z	821	CLA	CED-O2D-CGD	3.41	123.65	115.94
14	Z	806	CLA	O2D-CGD-CBD	3.41	117.33	111.27
14	A	839	CLA	C4D-C3D-CAD	3.41	112.12	108.10
13	A	801	CL0	CHD-C1D-ND	-3.41	121.32	124.45
14	K	101	CLA	O2A-CGA-CBA	3.41	124.98	114.03
14	X	1701	CLA	CMB-C2B-C3B	3.41	131.05	124.68
14	Z	814	CLA	C4A-NA-C1A	3.41	108.24	106.71
17	Z	846	BCR	C39-C30-C25	-3.41	104.77	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	K	101	CLA	CMC-C2C-C1C	3.41	130.23	125.04
14	Y	827	CLA	CHD-C1D-ND	-3.41	121.32	124.45
14	A	808	CLA	O2A-CGA-CBA	3.41	122.59	111.91
14	Z	812	CLA	C4A-NA-C1A	3.41	108.24	106.71
14	Y	812	CLA	O2D-CGD-O1D	-3.41	117.18	123.84
14	G	832	CLA	C4D-C3D-CAD	3.40	112.11	108.10
14	Y	822	CLA	CMB-C2B-C3B	3.40	131.05	124.68
14	H	838	CLA	CAC-C3C-C4C	3.40	129.23	124.81
14	A	814	CLA	CMD-C2D-C3D	-3.40	119.78	127.61
17	G	848	BCR	C23-C22-C21	3.40	124.16	118.94
14	G	833	CLA	O1D-CGD-CBD	-3.40	117.52	124.48
14	Y	823	CLA	C1-O2A-CGA	3.40	125.37	116.44
14	B	813	CLA	O2A-CGA-CBA	3.40	122.57	111.91
14	Y	830	CLA	C1-O2A-CGA	3.40	125.36	116.44
14	B	823	CLA	O2D-CGD-CBD	3.40	117.30	111.27
14	H	828	CLA	C1-O2A-CGA	3.40	125.35	116.44
17	Q	203	BCR	C36-C18-C19	-3.39	112.73	118.08
14	Y	822	CLA	C3D-C4D-ND	3.39	115.73	110.24
14	S	1101	CLA	C3D-C4D-ND	3.39	115.73	110.24
14	B	833	CLA	CHB-C4A-NA	3.39	129.20	124.51
14	G	839	CLA	C1-C2-C3	-3.39	121.26	126.75
14	H	837	CLA	C3D-C4D-ND	3.39	115.72	110.24
14	G	807	CLA	O2D-CGD-O1D	-3.39	117.21	123.84
14	Y	836	CLA	CHD-C1D-ND	-3.39	121.34	124.45
14	H	836	CLA	O2A-CGA-CBA	3.39	122.55	111.91
14	H	816	CLA	CMB-C2B-C3B	3.39	131.02	124.68
14	G	822	CLA	CMD-C2D-C3D	-3.39	119.81	127.61
14	Y	833	CLA	C4A-NA-C1A	3.39	108.23	106.71
14	B	810	CLA	O2A-CGA-CBA	3.39	122.54	111.91
14	H	809	CLA	CHC-C1C-C2C	-3.39	117.35	126.72
14	B	808	CLA	C4D-C3D-CAD	3.39	112.09	108.10
14	Z	836	CLA	CMA-C3A-C4A	3.39	120.88	111.77
14	B	801	CLA	CHC-C1C-C2C	-3.39	117.35	126.72
14	H	835	CLA	O2A-CGA-CBA	3.39	124.91	114.03
14	B	819	CLA	CHD-C1D-ND	-3.39	121.34	124.45
14	G	802	CLA	CGD-CBD-CAD	3.39	121.70	110.73
14	Y	819	CLA	O2A-CGA-CBA	3.38	122.53	111.91
14	Y	816	CLA	CMA-C3A-C4A	3.38	120.87	111.77
14	G	812	CLA	CMA-C3A-C4A	3.38	120.86	111.77
14	H	851	CLA	CED-O2D-CGD	3.38	123.59	115.94
17	G	849	BCR	C31-C1-C6	-3.38	104.81	110.30
14	F	202	CLA	O2D-CGD-CBD	3.38	117.28	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	804	CLA	C3D-C4D-ND	3.38	115.71	110.24
14	H	825	CLA	CHD-C1D-ND	-3.38	121.35	124.45
14	Y	832	CLA	C4D-C3D-CAD	3.38	112.08	108.10
14	G	836	CLA	CMB-C2B-C3B	3.38	131.00	124.68
14	G	815	CLA	C4D-C3D-CAD	3.38	112.08	108.10
17	I	102	BCR	C8-C7-C6	-3.38	117.72	127.20
14	X	1701	CLA	CHD-C1D-ND	-3.38	121.35	124.45
17	B	842	BCR	C37-C22-C23	3.38	122.06	114.60
14	G	828	CLA	C4D-C3D-CAD	3.38	112.07	108.10
14	A	821	CLA	CMA-C3A-C4A	3.37	120.84	111.77
14	H	809	CLA	O2A-CGA-CBA	3.37	122.50	111.91
13	G	801	CL0	O2D-CGD-O1D	-3.37	117.24	123.84
14	h	206	CLA	C3D-C4D-ND	3.37	115.69	110.24
14	Y	820	CLA	CMB-C2B-C3B	3.37	130.99	124.68
17	Y	844	BCR	C3-C4-C5	-3.37	108.06	114.08
17	G	845	BCR	C39-C30-C25	-3.37	104.83	110.30
14	L	201	CLA	CMA-C3A-C4A	3.37	120.83	111.77
14	B	806	CLA	CAC-C3C-C4C	3.37	129.18	124.81
14	G	817	CLA	CMC-C2C-C1C	3.37	130.17	125.04
14	Z	829	CLA	CAC-C3C-C4C	3.37	129.18	124.81
17	M	101	BCR	C34-C9-C10	-3.37	118.21	122.92
14	G	815	CLA	CMD-C2D-C3D	-3.37	119.87	127.61
14	Z	810	CLA	CMB-C2B-C3B	3.37	130.98	124.68
17	R	101	BCR	C19-C18-C17	3.37	124.11	118.94
14	G	828	CLA	CMB-C2B-C3B	3.37	130.97	124.68
14	A	834	CLA	C3D-C4D-ND	3.36	115.68	110.24
14	Y	817	CLA	C3D-C4D-ND	3.36	115.68	110.24
17	i	101	BCR	C23-C22-C21	3.36	124.10	118.94
14	B	831	CLA	C3D-C4D-ND	3.36	115.68	110.24
14	Z	837	CLA	C3C-C4C-NC	3.36	114.34	110.57
14	Z	836	CLA	O2A-CGA-CBA	3.36	124.83	114.03
14	Y	814	CLA	CMA-C3A-C4A	3.36	120.81	111.77
14	A	826	CLA	C4D-C3D-CAD	3.36	112.06	108.10
14	Y	830	CLA	O2A-CGA-CBA	3.36	122.45	111.91
14	G	814	CLA	CMC-C2C-C1C	3.36	130.15	125.04
14	Z	817	CLA	C3C-C4C-NC	3.36	114.34	110.57
14	H	823	CLA	CAA-C2A-C1A	-3.36	100.97	111.97
14	A	829	CLA	C1-C2-C3	-3.36	120.24	126.04
14	G	813	CLA	CMC-C2C-C1C	3.36	130.15	125.04
14	G	836	CLA	O2D-CGD-CBD	3.36	117.23	111.27
14	Z	812	CLA	CED-O2D-CGD	3.35	123.52	115.94
14	B	807	CLA	O2A-C1-C2	3.35	117.45	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	S	1101	CLA	C4D-C3D-CAD	3.35	112.05	108.10
14	H	823	CLA	CED-O2D-CGD	3.35	123.52	115.94
14	A	812	CLA	CMD-C2D-C3D	-3.35	119.90	127.61
17	H	847	BCR	C3-C4-C5	-3.35	108.09	114.08
14	H	824	CLA	CHD-C1D-ND	-3.35	121.37	124.45
17	Y	846	BCR	C7-C8-C9	-3.35	121.17	126.23
14	B	813	CLA	CMC-C2C-C1C	3.35	130.14	125.04
14	B	827	CLA	C4-C3-C5	3.35	120.90	115.27
14	B	835	CLA	O2D-CGD-CBD	3.35	117.22	111.27
14	A	826	CLA	O2A-CGA-O1A	-3.35	115.14	123.59
17	Z	848	BCR	C24-C25-C26	3.35	129.57	121.46
14	B	812	CLA	OBD-CAD-C3D	-3.35	120.47	128.52
14	A	815	CLA	CMA-C3A-C4A	3.35	120.76	111.77
14	B	823	CLA	CMA-C3A-C4A	3.34	120.76	111.77
17	S	1105	BCR	C8-C7-C6	-3.34	117.81	127.20
14	Z	826	CLA	CHB-C4A-NA	3.34	129.14	124.51
14	A	827	CLA	C4D-C3D-CAD	3.34	112.04	108.10
14	Y	827	CLA	C3C-C4C-NC	3.34	114.32	110.57
17	B	847	BCR	C36-C18-C19	-3.34	112.81	118.08
14	Z	835	CLA	C4D-C3D-CAD	3.34	112.03	108.10
19	B	848	LMG	O6-C5-C4	3.34	115.76	109.69
14	H	830	CLA	O2A-CGA-CBA	3.34	124.76	114.03
14	Z	826	CLA	C4-C3-C5	3.34	120.89	115.27
14	U	1004	CLA	C3D-C4D-ND	3.34	115.64	110.24
14	G	832	CLA	CMD-C2D-C3D	-3.34	119.94	127.61
14	Z	834	CLA	O2D-CGD-O1D	-3.34	117.32	123.84
14	G	828	CLA	OBD-CAD-C3D	-3.34	120.49	128.52
17	B	843	BCR	C37-C22-C23	3.33	123.33	118.08
14	Z	814	CLA	O2D-CGD-CBD	3.33	117.19	111.27
17	Y	853	BCR	C31-C1-C6	-3.33	104.89	110.30
17	Z	845	BCR	C32-C1-C6	-3.33	104.89	110.30
14	G	836	CLA	C4D-C3D-CAD	3.33	112.02	108.10
14	h	204	CLA	CHD-C1D-ND	-3.33	121.39	124.45
14	T	101	CLA	CMC-C2C-C1C	3.33	130.11	125.04
14	Z	818	CLA	OBD-CAD-C3D	-3.33	120.50	128.52
14	H	820	CLA	CMA-C3A-C4A	3.33	120.72	111.77
14	Z	841	CLA	C4D-C3D-CAD	3.33	112.02	108.10
14	A	824	CLA	CED-O2D-CGD	3.33	123.47	115.94
14	Z	824	CLA	O2D-CGD-CBD	3.33	117.18	111.27
14	H	839	CLA	O2D-CGD-CBD	3.33	117.18	111.27
14	A	807	CLA	O2A-C1-C2	3.33	117.38	108.64
14	Y	818	CLA	C1-O2A-CGA	3.33	125.18	116.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	823	CLA	O2A-C1-C2	3.33	117.38	108.64
14	A	841	CLA	C1-O2A-CGA	3.33	125.17	116.44
17	R	101	BCR	C37-C22-C23	3.33	123.32	118.08
17	V	101	BCR	C34-C9-C10	-3.33	118.27	122.92
17	U	1009	BCR	C8-C9-C10	3.32	124.04	118.94
14	Y	809	CLA	C3D-C4D-ND	3.32	115.61	110.24
14	Y	806	CLA	C1-C2-C3	-3.32	120.29	126.04
14	Y	826	CLA	C3D-C4D-ND	3.32	115.61	110.24
14	G	826	CLA	CAC-C3C-C4C	3.32	129.12	124.81
14	G	827	CLA	O2A-CGA-CBA	3.32	122.34	111.91
14	H	822	CLA	CED-O2D-CGD	3.32	123.45	115.94
17	B	844	BCR	C7-C6-C5	-3.32	113.42	121.46
14	G	829	CLA	CHD-C1D-ND	-3.32	121.40	124.45
14	K	102	CLA	O2D-CGD-O1D	-3.32	117.34	123.84
14	Z	824	CLA	O2A-CGA-CBA	3.32	122.33	111.91
14	h	205	CLA	O2A-CGA-CBA	3.32	122.33	111.91
14	B	828	CLA	O1D-CGD-CBD	-3.32	117.69	124.48
14	G	808	CLA	CMC-C2C-C1C	3.32	130.09	125.04
14	G	820	CLA	CMC-C2C-C1C	3.32	130.09	125.04
14	Y	818	CLA	CMA-C3A-C4A	3.32	120.69	111.77
17	F	203	BCR	C8-C7-C6	-3.32	117.88	127.20
14	B	824	CLA	O2A-C1-C2	3.32	117.36	108.64
17	F	201	BCR	C34-C9-C10	-3.32	118.27	122.92
14	d	202	CLA	CMB-C2B-C3B	3.32	130.89	124.68
14	H	826	CLA	O1D-CGD-CBD	-3.32	117.69	124.48
17	Y	847	BCR	C30-C25-C26	-3.32	117.94	122.61
14	A	832	CLA	CMB-C2B-C3B	3.32	130.88	124.68
17	S	1105	BCR	C19-C18-C17	3.32	124.03	118.94
14	B	818	CLA	CAC-C3C-C4C	3.32	129.11	124.81
14	A	820	CLA	CMC-C2C-C1C	3.32	130.09	125.04
14	H	830	CLA	OBD-CAD-C3D	-3.31	120.54	128.52
14	A	823	CLA	CMA-C3A-C4A	3.31	120.68	111.77
14	Z	832	CLA	CHD-C1D-ND	-3.31	121.41	124.45
14	H	851	CLA	C3C-C4C-NC	3.31	114.29	110.57
14	F	202	CLA	CMA-C3A-C4A	3.31	120.67	111.77
14	Y	821	CLA	C3D-C4D-ND	3.31	115.59	110.24
14	Z	808	CLA	C1-O2A-CGA	3.31	125.13	116.44
14	A	809	CLA	O2A-CGA-CBA	3.31	122.30	111.91
17	G	847	BCR	C7-C8-C9	-3.31	121.23	126.23
14	Y	836	CLA	C5-C3-C2	-3.31	114.42	121.12
17	B	843	BCR	C24-C23-C22	-3.31	121.24	126.23
14	B	807	CLA	O2D-CGD-O1D	-3.31	117.37	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	806	CLA	CHB-C4A-NA	3.31	129.08	124.51
14	G	826	CLA	CMA-C3A-C4A	3.30	120.65	111.77
14	Z	825	CLA	CMA-C3A-C4A	3.30	120.65	111.77
14	A	802	CLA	CHD-C1D-ND	-3.30	121.42	124.45
14	G	815	CLA	O2A-CGA-CBA	3.30	122.28	111.91
14	B	818	CLA	CMB-C2B-C3B	3.30	130.86	124.68
14	A	805	CLA	O2A-CGA-CBA	3.30	122.27	111.91
14	J	102	CLA	CMC-C2C-C1C	3.30	130.07	125.04
14	G	852	CLA	O2A-CGA-CBA	3.30	122.27	111.91
14	Z	806	CLA	O2A-CGA-CBA	3.30	122.27	111.91
14	Y	839	CLA	C4D-C3D-CAD	3.30	111.99	108.10
14	Z	814	CLA	C3C-C4C-NC	3.30	114.27	110.57
14	Y	833	CLA	O2A-CGA-CBA	3.30	122.26	111.91
14	A	820	CLA	CMB-C2B-C3B	3.30	130.85	124.68
17	U	1005	BCR	C40-C30-C25	-3.30	104.95	110.30
17	A	850	BCR	C33-C5-C6	-3.30	120.82	124.53
14	L	201	CLA	O2A-CGA-CBA	3.30	122.26	111.91
14	H	811	CLA	C1-O2A-CGA	3.30	125.10	116.44
14	Y	825	CLA	CHD-C1D-ND	-3.30	121.42	124.45
14	G	816	CLA	CAC-C3C-C4C	3.30	129.09	124.81
14	L	204	CLA	C3D-C4D-ND	3.30	115.57	110.24
17	A	849	BCR	C27-C26-C25	-3.30	117.95	122.73
14	B	808	CLA	CHC-C1C-C2C	-3.29	117.61	126.72
14	G	813	CLA	CMA-C3A-C4A	3.29	120.62	111.77
14	Y	835	CLA	C1-O2A-CGA	3.29	125.08	116.44
14	Y	825	CLA	CAC-C3C-C4C	3.29	129.08	124.81
14	G	819	CLA	O2A-CGA-CBA	3.29	122.23	111.91
14	Z	827	CLA	O2A-CGA-O1A	-3.29	115.29	123.59
14	B	814	CLA	CMC-C2C-C1C	3.29	130.05	125.04
17	Y	849	BCR	C24-C23-C22	-3.29	121.27	126.23
14	G	842	CLA	CMC-C2C-C1C	3.29	130.04	125.04
14	B	824	CLA	CAA-C2A-C1A	-3.28	101.21	111.97
14	Y	806	CLA	CHD-C1D-ND	-3.28	121.44	124.45
14	B	802	CLA	C4D-C3D-CAD	3.28	111.97	108.10
14	Z	805	CLA	CMB-C2B-C3B	3.28	130.82	124.68
14	A	806	CLA	C3D-C4D-ND	3.28	115.55	110.24
14	H	832	CLA	C3D-C4D-ND	3.28	115.55	110.24
14	G	842	CLA	O2D-CGD-O1D	-3.28	117.42	123.84
14	A	822	CLA	CMB-C2B-C3B	3.28	130.82	124.68
14	Y	832	CLA	CHD-C1D-ND	-3.28	121.44	124.45
14	Y	804	CLA	C4D-C3D-CAD	3.28	111.96	108.10
14	Z	805	CLA	O1D-CGD-CBD	-3.28	117.77	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	823	CLA	CMC-C2C-C1C	3.28	130.03	125.04
14	G	836	CLA	O2A-CGA-CBA	3.28	122.20	111.91
14	Z	833	CLA	CHD-C1D-ND	-3.28	121.44	124.45
17	i	101	BCR	C33-C5-C4	3.28	119.91	113.62
14	Y	821	CLA	CMB-C2B-C3B	3.28	130.81	124.68
17	G	846	BCR	C15-C14-C13	-3.28	122.63	127.31
14	Q	202	CLA	CMA-C3A-C4A	3.28	120.58	111.77
14	Z	824	CLA	O2A-C1-C2	3.28	117.24	108.64
17	Y	853	BCR	C1-C6-C7	3.28	125.05	115.78
14	G	842	CLA	C3D-C4D-ND	3.28	115.54	110.24
14	Z	817	CLA	OBD-CAD-C3D	-3.27	120.64	128.52
14	A	824	CLA	C3D-C4D-ND	3.27	115.53	110.24
14	G	808	CLA	C3D-C4D-ND	3.27	115.53	110.24
14	Y	817	CLA	O2A-CGA-CBA	3.27	122.18	111.91
14	B	828	CLA	O2A-CGA-CBA	3.27	122.18	111.91
17	Z	847	BCR	C23-C24-C25	-3.27	118.01	127.20
14	G	811	CLA	CMB-C2B-C3B	3.27	130.80	124.68
14	Z	816	CLA	CMB-C2B-C3B	3.27	130.80	124.68
17	J	104	BCR	C38-C26-C25	-3.27	120.85	124.53
14	Z	840	CLA	C3C-C4C-NC	3.27	114.24	110.57
14	B	840	CLA	CAA-CBA-CGA	-3.27	103.69	113.25
14	Z	831	CLA	O2A-CGA-CBA	3.27	124.54	114.03
17	B	844	BCR	C24-C23-C22	-3.27	121.29	126.23
14	H	807	CLA	O2A-C1-C2	3.27	117.23	108.64
14	G	816	CLA	C4D-C3D-CAD	3.27	111.95	108.10
14	H	803	CLA	C4-C3-C5	3.27	120.77	115.27
14	A	807	CLA	CMB-C2B-C3B	3.27	130.79	124.68
14	W	1701	CLA	CMA-C3A-C4A	3.27	120.56	111.77
14	H	831	CLA	C3D-C4D-ND	3.27	115.52	110.24
14	Y	827	CLA	O2A-CGA-CBA	3.27	122.16	111.91
14	H	838	CLA	C3D-C4D-ND	3.27	115.52	110.24
14	Z	830	CLA	O2D-CGD-O1D	-3.27	117.45	123.84
14	Y	836	CLA	C3D-C4D-ND	3.27	115.52	110.24
14	B	808	CLA	O2A-CGA-CBA	3.27	122.16	111.91
17	Z	844	BCR	C39-C30-C25	-3.26	105.00	110.30
17	H	850	BCR	C23-C22-C21	3.26	123.95	118.94
14	Y	803	CLA	CMB-C2B-C3B	3.26	130.78	124.68
14	Z	830	CLA	C4D-C3D-CAD	3.26	111.94	108.10
17	M	101	BCR	C1-C6-C7	3.26	125.01	115.78
14	A	820	CLA	C3D-C4D-ND	3.26	115.52	110.24
17	A	851	BCR	C40-C30-C25	3.26	115.59	110.30
14	H	816	CLA	C4D-C3D-CAD	3.26	111.94	108.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	812	CLA	CHD-C1D-ND	-3.26	121.46	124.45
14	L	205	CLA	CHD-C1D-ND	-3.26	121.46	124.45
17	A	849	BCR	C37-C22-C21	-3.26	118.36	122.92
14	G	835	CLA	OBD-CAD-C3D	-3.26	120.68	128.52
14	A	810	CLA	C4D-C3D-CAD	3.26	111.94	108.10
15	B	841	PQN	C2M-C2-C3	-3.26	119.08	124.40
14	H	823	CLA	CAA-CBA-CGA	-3.26	103.73	113.25
14	Z	815	CLA	CMB-C2B-C3B	3.26	130.77	124.68
14	H	806	CLA	C1D-ND-C4D	-3.26	104.02	106.33
17	Z	843	BCR	C38-C26-C27	3.26	119.87	113.62
14	G	834	CLA	C3D-C4D-ND	3.26	115.50	110.24
17	Y	846	BCR	C37-C22-C23	3.26	123.21	118.08
14	G	820	CLA	CMA-C3A-C4A	3.26	120.52	111.77
14	Z	810	CLA	CBC-CAC-C3C	-3.26	103.46	112.43
14	B	825	CLA	CMC-C2C-C1C	3.25	130.00	125.04
14	H	815	CLA	CMB-C2B-C3B	3.25	130.77	124.68
14	H	825	CLA	CMB-C2B-C3B	3.25	130.77	124.68
17	H	843	BCR	C38-C26-C25	-3.25	120.87	124.53
14	B	831	CLA	C4D-C3D-CAD	3.25	111.93	108.10
14	B	813	CLA	C3D-C4D-ND	3.25	115.50	110.24
14	g	102	CLA	C3D-C4D-ND	3.25	115.50	110.24
17	H	844	BCR	C15-C14-C13	-3.25	122.67	127.31
17	Y	845	BCR	C38-C26-C25	-3.25	120.88	124.53
14	A	828	CLA	O2A-CGA-CBA	3.25	122.11	111.91
14	B	840	CLA	CAA-C2A-C1A	-3.25	101.32	111.97
14	Z	811	CLA	CGD-CBD-CAD	-3.25	100.20	110.73
17	L	208	BCR	C36-C18-C19	-3.25	112.96	118.08
14	B	832	CLA	C3D-C4D-ND	3.25	115.49	110.24
14	G	816	CLA	CMA-C3A-C4A	3.25	120.50	111.77
14	L	202	CLA	C4D-C3D-CAD	3.25	111.92	108.10
14	Y	813	CLA	C4D-C3D-CAD	3.25	111.92	108.10
14	Z	804	CLA	C3D-C4D-ND	3.25	115.49	110.24
17	Z	850	BCR	C38-C26-C25	-3.25	120.88	124.53
14	Z	809	CLA	OBD-CAD-C3D	-3.25	120.70	128.52
17	Z	843	BCR	C15-C14-C13	-3.25	122.67	127.31
14	H	820	CLA	C3C-C4C-NC	3.25	114.21	110.57
14	H	814	CLA	C3D-C4D-ND	3.25	115.49	110.24
14	G	831	CLA	CMC-C2C-C1C	3.25	129.98	125.04
14	Z	819	CLA	CMB-C2B-C3B	3.25	130.75	124.68
14	G	827	CLA	C3C-C4C-NC	3.25	114.21	110.57
14	G	829	CLA	CMB-C2B-C3B	3.25	130.75	124.68
17	F	203	BCR	C36-C18-C19	-3.25	112.96	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	815	CLA	C3D-C4D-ND	3.25	115.49	110.24
14	Z	836	CLA	CMB-C2B-C3B	3.25	130.75	124.68
17	B	842	BCR	C33-C5-C6	-3.25	120.88	124.53
14	G	803	CLA	CHB-C4A-NA	3.24	129.00	124.51
14	A	819	CLA	O2D-CGD-O1D	-3.24	117.49	123.84
14	A	828	CLA	C4D-C3D-CAD	3.24	111.92	108.10
14	A	811	CLA	C3D-C4D-ND	3.24	115.49	110.24
14	Z	801	CLA	C3D-C4D-ND	3.24	115.48	110.24
14	L	205	CLA	C3D-C4D-ND	3.24	115.48	110.24
14	S	1103	CLA	CMC-C2C-C1C	3.24	129.98	125.04
14	Z	830	CLA	CMA-C3A-C4A	3.24	120.49	111.77
14	Y	835	CLA	CMC-C2C-C1C	3.24	129.98	125.04
17	R	102	BCR	C19-C18-C17	3.24	123.92	118.94
14	L	205	CLA	C3C-C4C-NC	3.24	114.21	110.57
14	B	809	CLA	CAA-C2A-C1A	3.24	122.59	111.97
17	G	847	BCR	C37-C22-C23	3.24	123.18	118.08
14	B	824	CLA	C4-C3-C2	-3.24	115.36	123.68
14	F	202	CLA	O2A-CGA-CBA	3.24	124.44	114.03
17	L	207	BCR	C23-C22-C21	3.24	123.91	118.94
14	A	837	CLA	CMD-C2D-C3D	-3.24	120.16	127.61
14	B	814	CLA	CAA-CBA-CGA	3.24	121.11	112.51
14	B	807	CLA	O1D-CGD-CBD	-3.24	117.86	124.48
17	H	843	BCR	C38-C26-C27	3.24	119.84	113.62
14	d	201	CLA	O2A-C1-C2	3.24	117.14	108.64
14	Y	810	CLA	C3C-C4C-NC	3.24	114.20	110.57
14	G	824	CLA	O2D-CGD-O1D	-3.24	117.51	123.84
14	H	816	CLA	CED-O2D-CGD	3.24	123.26	115.94
14	Z	806	CLA	CMC-C2C-C1C	3.24	129.97	125.04
14	A	838	CLA	CAA-C2A-C1A	3.24	122.58	111.97
17	Y	849	BCR	C15-C14-C13	-3.24	122.69	127.31
14	B	838	CLA	CHD-C1D-ND	-3.23	121.48	124.45
14	G	837	CLA	C3D-C4D-ND	3.23	115.47	110.24
14	H	815	CLA	CHD-C1D-ND	-3.23	121.48	124.45
14	Y	812	CLA	C4-C3-C5	3.23	120.71	115.27
14	Z	803	CLA	CHB-C4A-NA	3.23	128.98	124.51
17	J	104	BCR	C37-C22-C23	3.23	123.17	118.08
14	A	819	CLA	C3C-C4C-NC	3.23	114.20	110.57
14	B	806	CLA	O2A-C1-C2	3.23	117.13	108.64
14	H	821	CLA	O2A-CGA-CBA	3.23	124.42	114.03
14	A	841	CLA	CMD-C2D-C3D	-3.23	120.18	127.61
14	J	102	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	H	812	CLA	CED-O2D-CGD	3.23	123.24	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	812	CLA	C4-C3-C5	3.23	120.70	115.27
17	G	849	BCR	C37-C22-C21	-3.23	118.40	122.92
14	B	828	CLA	CMC-C2C-C1C	3.23	129.96	125.04
14	G	816	CLA	C3D-C4D-ND	3.23	115.46	110.24
14	G	815	CLA	C3D-C4D-ND	3.23	115.46	110.24
14	A	841	CLA	O2D-CGD-CBD	3.23	117.00	111.27
14	B	810	CLA	CMC-C2C-C1C	3.23	129.95	125.04
14	H	822	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
14	Z	835	CLA	CMC-C2C-C1C	3.22	129.95	125.04
14	H	812	CLA	O2A-CGA-CBA	3.22	124.39	114.03
14	Y	834	CLA	C3D-C4D-ND	3.22	115.45	110.24
14	G	852	CLA	CHB-C4A-NA	3.22	128.97	124.51
14	Y	807	CLA	C4-C3-C5	3.22	119.67	115.98
14	A	822	CLA	C3D-C4D-ND	3.22	115.45	110.24
14	B	836	CLA	C3D-C4D-ND	3.22	115.45	110.24
14	Q	202	CLA	CHD-C1D-ND	-3.22	121.49	124.45
14	Y	810	CLA	CMB-C2B-C3B	3.22	130.71	124.68
17	H	850	BCR	C38-C26-C25	-3.22	120.91	124.53
14	A	854	CLA	CMC-C2C-C1C	3.22	129.94	125.04
14	G	831	CLA	OBD-CAD-C3D	-3.22	120.77	128.52
14	H	816	CLA	C1-O2A-CGA	3.22	124.89	116.44
14	A	831	CLA	CHD-C1D-ND	-3.22	121.50	124.45
17	B	847	BCR	C8-C7-C6	-3.22	118.16	127.20
14	B	813	CLA	O1D-CGD-CBD	-3.22	117.90	124.48
17	H	847	BCR	C15-C14-C13	-3.22	122.72	127.31
17	A	848	BCR	C30-C25-C24	3.22	124.88	115.78
17	A	848	BCR	C23-C22-C21	3.22	123.88	118.94
14	Z	839	CLA	CBC-CAC-C3C	-3.22	103.56	112.43
14	Y	829	CLA	O2D-CGD-O1D	-3.22	117.55	123.84
14	A	824	CLA	CMB-C2B-C3B	3.22	130.70	124.68
14	B	817	CLA	C3D-C4D-ND	3.22	115.44	110.24
14	Z	801	CLA	CED-O2D-CGD	3.22	123.21	115.94
14	A	814	CLA	O2A-C1-C2	3.22	117.09	108.64
14	Y	807	CLA	CMA-C3A-C4A	3.22	120.42	111.77
14	Y	807	CLA	O2A-CGA-CBA	3.21	121.99	111.91
14	A	830	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
14	G	838	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
14	A	802	CLA	CHB-C4A-NA	3.21	128.95	124.51
14	Z	820	CLA	CMB-C2B-C3B	3.21	130.68	124.68
14	H	810	CLA	CHD-C4C-C3C	-3.21	120.12	124.84
14	H	833	CLA	CMC-C2C-C1C	3.21	129.93	125.04
14	A	821	CLA	CMB-C2B-C3B	3.21	130.68	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	S	1101	CLA	CMD-C2D-C3D	-3.21	120.23	127.61
17	H	844	BCR	C33-C5-C4	3.21	119.78	113.62
14	G	830	CLA	CHC-C1C-C2C	-3.21	117.85	126.72
17	Y	853	BCR	C15-C14-C13	-3.21	122.73	127.31
14	G	817	CLA	O2A-C1-C2	3.20	117.06	108.64
14	H	830	CLA	C4D-C3D-CAD	3.20	111.87	108.10
14	Z	807	CLA	C4D-C3D-CAD	3.20	111.87	108.10
14	A	810	CLA	C3D-C4D-ND	3.20	115.42	110.24
17	A	851	BCR	C7-C8-C9	-3.20	121.39	126.23
19	Z	849	LMG	O7-C10-C11	3.20	118.40	111.50
14	H	826	CLA	C3C-C4C-NC	3.20	114.16	110.57
17	R	101	BCR	C37-C22-C21	-3.20	118.44	122.92
14	A	825	CLA	C3D-C4D-ND	3.20	115.42	110.24
14	G	825	CLA	CAC-C3C-C4C	3.20	128.96	124.81
14	Z	828	CLA	CMC-C2C-C1C	3.20	129.91	125.04
14	B	806	CLA	O2A-CGA-CBA	3.20	121.95	111.91
18	G	850	LHG	O8-C23-O10	-3.20	115.51	123.59
14	B	838	CLA	CMB-C2B-C3B	3.20	130.67	124.68
14	B	823	CLA	C3C-C4C-NC	3.20	114.16	110.57
14	Y	807	CLA	CMC-C2C-C1C	3.20	129.91	125.04
14	G	818	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
14	Y	835	CLA	C3C-C4C-NC	3.20	114.16	110.57
14	Z	812	CLA	O2D-CGD-O1D	-3.20	117.59	123.84
17	L	208	BCR	C34-C9-C8	3.20	123.11	118.08
14	Y	841	CLA	C3D-C4D-ND	3.20	115.41	110.24
14	A	809	CLA	O2A-C1-C2	3.20	117.04	108.64
14	Z	801	CLA	O2A-CGA-CBA	3.20	121.94	111.91
14	S	1102	CLA	O2A-CGA-CBA	3.20	124.30	114.03
14	U	1007	CLA	C7-C6-C5	-3.20	104.68	113.36
14	H	813	CLA	CMB-C2B-C3B	3.20	130.66	124.68
17	L	208	BCR	C8-C9-C10	3.20	123.84	118.94
14	H	839	CLA	O2A-CGA-CBA	3.19	121.93	111.91
14	A	816	CLA	CGD-CBD-CAD	-3.19	100.39	110.73
14	H	810	CLA	C1-O2A-CGA	3.19	124.82	116.44
14	G	817	CLA	CMA-C3A-C4A	3.19	120.35	111.77
14	H	818	CLA	C3D-C4D-ND	3.19	115.40	110.24
14	H	851	CLA	CAC-C3C-C4C	3.19	128.95	124.81
14	B	820	CLA	O2A-CGA-CBA	3.19	124.28	114.03
14	A	840	CLA	C4D-C3D-CAD	3.19	111.85	108.10
14	H	831	CLA	C4D-C3D-CAD	3.19	111.85	108.10
14	G	837	CLA	CHC-C1C-C2C	-3.19	117.90	126.72
14	Z	801	CLA	CMC-C2C-C1C	3.19	129.89	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	816	CLA	O1D-CGD-CBD	-3.19	117.97	124.48
14	H	824	CLA	CMA-C3A-C4A	3.18	120.33	111.77
14	G	814	CLA	CMB-C2B-C3B	3.18	130.64	124.68
14	B	832	CLA	CAA-CBA-CGA	-3.18	103.95	113.25
14	Z	825	CLA	C3C-C4C-NC	3.18	114.14	110.57
14	G	802	CLA	CED-O2D-CGD	3.18	123.14	115.94
14	L	204	CLA	CED-O2D-CGD	3.18	123.14	115.94
14	h	205	CLA	CMD-C2D-C3D	-3.18	120.29	127.61
14	A	818	CLA	O2D-CGD-O1D	-3.18	117.61	123.84
14	A	842	CLA	C4-C3-C5	3.18	120.62	115.27
14	d	202	CLA	CHD-C1D-ND	-3.18	121.53	124.45
14	A	821	CLA	C3D-C4D-ND	3.18	115.38	110.24
14	Y	838	CLA	CMC-C2C-C1C	3.18	129.88	125.04
14	G	838	CLA	CHC-C1C-C2C	-3.18	117.93	126.72
14	G	814	CLA	C1-O2A-CGA	3.18	124.78	116.44
14	H	822	CLA	C3D-C4D-ND	3.18	115.38	110.24
17	A	847	BCR	C28-C27-C26	-3.18	108.40	114.08
14	H	829	CLA	CHC-C1C-C2C	-3.18	117.93	126.72
14	L	202	CLA	O2A-CGA-CBA	3.18	121.88	111.91
14	Y	836	CLA	CMA-C3A-C4A	3.18	120.31	111.77
14	H	834	CLA	O2D-CGD-O1D	-3.18	117.63	123.84
14	Z	814	CLA	CMC-C2C-C1C	3.18	129.88	125.04
14	Z	819	CLA	CMD-C2D-C3D	-3.18	120.31	127.61
17	H	850	BCR	C35-C13-C12	3.18	123.08	118.08
14	G	804	CLA	CMB-C2B-C3B	3.18	130.62	124.68
14	A	818	CLA	O2A-C1-C2	3.18	116.98	108.64
14	B	836	CLA	OBD-CAD-C3D	-3.17	120.88	128.52
14	B	809	CLA	C1C-C2C-C3C	-3.17	103.62	106.96
14	B	811	CLA	C3D-C4D-ND	3.17	115.37	110.24
17	Z	847	BCR	C33-C5-C4	3.17	119.71	113.62
14	H	829	CLA	O1D-CGD-CBD	-3.17	117.99	124.48
14	A	809	CLA	O2D-CGD-O1D	-3.17	117.63	123.84
14	H	839	CLA	CMA-C3A-C4A	3.17	120.30	111.77
14	G	814	CLA	CAC-C3C-C4C	3.17	128.93	124.81
14	Z	802	CLA	CMC-C2C-C1C	3.17	129.87	125.04
14	B	838	CLA	O2A-CGA-CBA	3.17	124.22	114.03
14	Y	837	CLA	C3D-C4D-ND	3.17	115.37	110.24
14	Z	824	CLA	CMA-C3A-C4A	3.17	120.29	111.77
14	B	824	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
14	A	810	CLA	O2A-CGA-O1A	-3.17	115.60	123.59
14	A	826	CLA	O2D-CGD-CBD	3.17	116.90	111.27
14	B	837	CLA	CHD-C1D-ND	-3.17	121.54	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	811	CLA	O2A-CGA-O1A	-3.17	115.60	123.59
17	H	845	BCR	C39-C30-C25	-3.17	105.16	110.30
14	Z	832	CLA	C3C-C4C-NC	3.17	114.12	110.57
14	T	101	CLA	O2A-CGA-CBA	3.17	124.20	114.03
14	Y	815	CLA	CMC-C2C-C1C	3.17	129.86	125.04
14	H	830	CLA	CAA-CBA-CGA	3.17	120.91	112.51
14	Y	824	CLA	O2A-C1-C2	3.17	116.95	108.64
14	B	820	CLA	CED-O2D-CGD	3.17	123.10	115.94
14	Y	834	CLA	O2A-CGA-CBA	3.16	124.20	114.03
14	G	802	CLA	C3D-C4D-ND	3.16	115.36	110.24
14	L	205	CLA	C4D-C3D-CAD	3.16	111.83	108.10
14	j	102	CLA	CMD-C2D-C3D	-3.16	120.34	127.61
14	G	836	CLA	C1-C2-C3	-3.16	121.63	126.75
14	H	801	CLA	CMB-C2B-C3B	3.16	130.60	124.68
14	Y	816	CLA	C3D-C4D-ND	3.16	115.35	110.24
14	B	840	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
14	G	841	CLA	CHD-C1D-ND	-3.16	121.55	124.45
14	G	825	CLA	CMA-C3A-C4A	3.16	120.26	111.77
14	A	832	CLA	CMC-C2C-C1C	3.16	129.85	125.04
14	G	803	CLA	C6-C5-C3	-3.16	105.18	113.45
14	H	819	CLA	O2A-CGA-CBA	3.16	121.81	111.91
14	A	816	CLA	C3D-C4D-ND	3.16	115.34	110.24
17	H	843	BCR	C4-C5-C6	-3.16	118.15	122.73
14	H	801	CLA	CMC-C2C-C1C	3.16	129.84	125.04
14	G	828	CLA	O2D-CGD-CBD	3.15	116.87	111.27
14	B	827	CLA	C3D-C4D-ND	3.15	115.34	110.24
14	A	824	CLA	CMD-C2D-C3D	-3.15	120.36	127.61
14	B	827	CLA	C4D-C3D-CAD	3.15	111.81	108.10
14	Z	812	CLA	CMB-C2B-C3B	3.15	130.58	124.68
14	Z	826	CLA	CMB-C2B-C3B	3.15	130.58	124.68
14	Y	830	CLA	O1D-CGD-CBD	-3.15	118.03	124.48
14	H	836	CLA	OBD-CAD-C3D	-3.15	120.93	128.52
14	B	802	CLA	O2A-CGA-CBA	3.15	121.80	111.91
14	f	102	CLA	CMC-C2C-C1C	3.15	129.84	125.04
17	G	845	BCR	C34-C9-C8	3.15	123.04	118.08
14	Q	202	CLA	C3C-C4C-NC	3.15	114.11	110.57
14	Y	824	CLA	CMA-C3A-C4A	3.15	120.24	111.77
17	S	1105	BCR	C39-C30-C25	-3.15	105.19	110.30
14	Y	804	CLA	CHB-C4A-NA	3.15	128.87	124.51
17	Z	850	BCR	C31-C1-C6	-3.15	105.19	110.30
14	G	819	CLA	C3D-C4D-ND	3.15	115.33	110.24
14	H	806	CLA	CMB-C2B-C3B	3.15	130.57	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	818	CLA	C4D-C3D-CAD	3.15	111.81	108.10
14	B	817	CLA	CMC-C2C-C1C	3.15	129.83	125.04
14	G	823	CLA	O2A-C1-C2	3.15	116.91	108.64
14	A	836	CLA	CED-O2D-CGD	3.15	123.06	115.94
14	A	840	CLA	C3D-C4D-ND	3.15	115.33	110.24
17	H	847	BCR	C35-C13-C14	-3.15	118.52	122.92
17	B	842	BCR	C8-C7-C6	-3.14	118.37	127.20
14	G	821	CLA	C4D-C3D-CAD	3.14	111.80	108.10
14	Z	808	CLA	C3D-C4D-ND	3.14	115.32	110.24
14	A	828	CLA	C3C-C4C-NC	3.14	114.10	110.57
14	Y	811	CLA	CMC-C2C-C1C	3.14	129.82	125.04
17	Z	844	BCR	C28-C27-C26	-3.14	108.47	114.08
14	A	814	CLA	C3D-C4D-ND	3.14	115.32	110.24
14	Y	830	CLA	CHD-C1D-ND	-3.14	121.57	124.45
14	H	823	CLA	O2A-CGA-CBA	3.14	121.77	111.91
17	I	101	BCR	C38-C26-C25	-3.14	121.00	124.53
14	G	827	CLA	CHD-C1D-ND	-3.14	121.57	124.45
14	Z	805	CLA	CHB-C4A-NA	3.14	128.85	124.51
14	G	804	CLA	CBC-CAC-C3C	-3.14	103.78	112.43
14	A	805	CLA	O1D-CGD-CBD	-3.14	118.06	124.48
14	H	818	CLA	C1-C2-C3	-3.14	120.62	126.04
14	H	829	CLA	CMA-C3A-C4A	3.14	120.20	111.77
14	Y	807	CLA	O2A-C1-C2	3.14	116.88	108.64
14	G	817	CLA	C3D-C4D-ND	3.14	115.31	110.24
14	G	834	CLA	CMC-C2C-C1C	3.14	129.81	125.04
17	L	207	BCR	C34-C9-C10	-3.14	118.53	122.92
14	B	801	CLA	CHB-C4A-NA	3.13	128.85	124.51
14	A	834	CLA	CMC-C2C-C1C	3.13	129.81	125.04
14	H	806	CLA	C1-C2-C3	-3.13	120.62	126.04
14	H	838	CLA	CGD-CBD-CAD	-3.13	100.58	110.73
14	f	102	CLA	C1-O2A-CGA	3.13	124.66	116.44
14	Z	815	CLA	C4D-C3D-CAD	3.13	111.79	108.10
14	Z	834	CLA	C3D-C4D-ND	3.13	115.30	110.24
14	A	836	CLA	C3C-C4C-NC	3.13	114.08	110.57
14	Y	816	CLA	O1D-CGD-CBD	-3.13	118.08	124.48
14	h	206	CLA	C4D-C3D-CAD	3.13	111.78	108.10
14	G	825	CLA	C16-C15-C13	-3.13	105.81	115.92
14	B	824	CLA	CHB-C4A-NA	3.13	128.83	124.51
14	H	826	CLA	CHD-C1D-ND	-3.13	121.58	124.45
14	Y	826	CLA	CMC-C2C-C1C	3.12	129.80	125.04
14	Y	822	CLA	CMD-C2D-C3D	-3.12	120.43	127.61
14	Y	833	CLA	CAC-C3C-C4C	3.12	128.86	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	838	CLA	C3D-C4D-ND	3.12	115.29	110.24
14	Z	840	CLA	C1-O2A-CGA	3.12	124.63	116.44
14	G	806	CLA	O2A-C1-C2	3.12	116.83	108.64
14	B	832	CLA	CMB-C2B-C3B	3.12	130.51	124.68
14	Y	805	CLA	CMD-C2D-C3D	-3.12	120.44	127.61
14	H	830	CLA	CHB-C4A-NA	3.12	128.82	124.51
14	Y	828	CLA	CHD-C1D-ND	-3.12	121.59	124.45
14	Z	839	CLA	O2A-CGA-CBA	3.12	124.05	114.03
17	S	1104	BCR	C38-C26-C25	-3.12	121.03	124.53
14	Y	829	CLA	C3D-C4D-ND	3.12	115.28	110.24
14	g	102	CLA	C3C-C4C-NC	3.12	114.07	110.57
17	G	847	BCR	C34-C9-C8	3.12	122.99	118.08
14	G	852	CLA	CED-O2D-CGD	3.12	122.98	115.94
14	H	831	CLA	O2A-C1-C2	3.12	116.82	108.64
14	H	824	CLA	O1D-CGD-CBD	-3.11	118.11	124.48
17	d	203	BCR	C33-C5-C6	-3.11	121.03	124.53
14	G	803	CLA	C4D-C3D-CAD	3.11	111.77	108.10
14	Y	804	CLA	O1D-CGD-CBD	-3.11	118.11	124.48
14	Z	816	CLA	C3D-C4D-ND	3.11	115.27	110.24
14	H	816	CLA	C3D-C4D-ND	3.11	115.27	110.24
14	B	833	CLA	C4D-C3D-CAD	3.11	111.76	108.10
14	A	831	CLA	C3D-C4D-ND	3.11	115.27	110.24
14	Y	819	CLA	C1-O2A-CGA	3.11	124.60	116.44
14	B	834	CLA	CMB-C2B-C3B	3.11	130.49	124.68
14	A	839	CLA	C3D-C4D-ND	3.11	115.26	110.24
17	Y	853	BCR	C30-C25-C26	-3.11	118.24	122.61
14	B	805	CLA	O2D-CGD-CBD	3.11	116.79	111.27
14	A	812	CLA	O2D-CGD-O1D	-3.11	117.77	123.84
14	A	812	CLA	C4D-C3D-CAD	3.11	111.76	108.10
14	Z	840	CLA	C3D-C4D-ND	3.11	115.26	110.24
17	T	102	BCR	C3-C4-C5	-3.10	108.53	114.08
14	T	103	CLA	CED-O2D-CGD	3.10	122.96	115.94
14	G	826	CLA	CHC-C1C-C2C	-3.10	118.14	126.72
14	G	837	CLA	CMC-C2C-C3C	3.10	134.54	126.12
14	A	814	CLA	CMB-C2B-C3B	3.10	130.48	124.68
14	B	806	CLA	O2A-CGA-O1A	-3.10	115.77	123.59
14	Y	805	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
14	B	805	CLA	C4-C3-C5	3.10	120.48	115.27
14	A	811	CLA	C4D-C3D-CAD	3.10	111.75	108.10
14	T	101	CLA	CAD-CBD-CHA	-3.10	101.65	105.14
14	B	821	CLA	C3D-C4D-ND	3.10	115.25	110.24
14	h	205	CLA	CMB-C2B-C3B	3.10	130.47	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	1006	CLA	CHD-C1D-ND	-3.09	121.61	124.45
14	A	821	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
14	H	835	CLA	CMB-C2B-C3B	3.09	130.46	124.68
14	B	802	CLA	CHB-C4A-NA	3.09	128.79	124.51
14	A	806	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
14	H	813	CLA	C1-O2A-CGA	3.09	124.55	116.44
14	B	812	CLA	O1D-CGD-CBD	-3.09	118.16	124.48
14	Z	836	CLA	C4D-C3D-CAD	3.09	111.74	108.10
14	H	840	CLA	C4C-C3C-C2C	-3.09	102.40	106.90
14	g	102	CLA	CMA-C3A-C4A	3.09	120.07	111.77
14	H	802	CLA	CMC-C2C-C1C	3.09	129.74	125.04
14	H	803	CLA	O2A-CGA-CBA	3.09	121.60	111.91
14	Y	805	CLA	C4D-C3D-CAD	3.09	111.73	108.10
14	B	833	CLA	C3D-C4D-ND	3.09	115.23	110.24
14	Y	827	CLA	CAC-C3C-C4C	3.09	128.81	124.81
14	H	804	CLA	C4D-C3D-CAD	3.09	111.73	108.10
14	G	823	CLA	CMB-C2B-C3B	3.09	130.45	124.68
14	B	819	CLA	C4D-C3D-CAD	3.08	111.73	108.10
14	G	853	CLA	O2D-CGD-CBD	3.08	116.75	111.27
14	G	840	CLA	C3D-C4D-ND	3.08	115.22	110.24
14	h	205	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
17	Y	846	BCR	C7-C6-C5	-3.08	114.00	121.46
14	H	807	CLA	O2A-CGA-O1A	-3.08	115.81	123.59
17	Y	849	BCR	C40-C30-C25	3.08	115.30	110.30
14	G	805	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
14	L	201	CLA	C3C-C4C-NC	3.08	114.03	110.57
14	G	809	CLA	C3D-C4D-ND	3.08	115.22	110.24
14	H	802	CLA	OBD-CAD-C3D	-3.08	121.11	128.52
14	Z	836	CLA	CMC-C2C-C1C	3.08	129.73	125.04
14	Y	811	CLA	CMB-C2B-C3B	3.08	130.44	124.68
14	B	822	CLA	CMB-C2B-C3B	3.08	130.44	124.68
14	d	202	CLA	CMA-C3A-C4A	3.08	120.05	111.77
14	A	820	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
14	A	832	CLA	C4D-C3D-CAD	3.08	111.72	108.10
17	H	842	BCR	C37-C22-C21	-3.08	118.61	122.92
14	Z	807	CLA	C3D-C4D-ND	3.07	115.21	110.24
14	A	830	CLA	CMD-C2D-C3D	-3.07	120.55	127.61
14	A	835	CLA	C4D-C3D-CAD	3.07	111.72	108.10
14	Y	840	CLA	C4D-C3D-CAD	3.07	111.72	108.10
17	Y	853	BCR	C7-C8-C9	-3.07	121.59	126.23
18	G	850	LHG	O7-C7-C8	3.07	118.12	111.50
17	G	849	BCR	C3-C4-C5	-3.07	108.60	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	825	CLA	C4D-C3D-CAD	3.07	111.71	108.10
14	G	830	CLA	C3D-C4D-ND	3.07	115.20	110.24
17	Q	203	BCR	C34-C9-C8	3.07	122.91	118.08
14	A	817	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
14	Y	803	CLA	CAC-C3C-C4C	3.07	128.79	124.81
14	Z	839	CLA	CED-O2D-CGD	3.07	122.87	115.94
14	G	826	CLA	CMD-C2D-C3D	-3.07	120.56	127.61
14	Y	833	CLA	C3D-C4D-ND	3.07	115.20	110.24
14	A	840	CLA	CAC-C3C-C4C	3.07	128.79	124.81
14	A	812	CLA	CBC-CAC-C3C	-3.07	103.98	112.43
14	H	851	CLA	C4D-C3D-CAD	3.06	111.71	108.10
14	H	836	CLA	O2A-C1-C2	3.06	116.69	108.64
14	Z	815	CLA	C3D-C4D-ND	3.06	115.19	110.24
14	T	103	CLA	O2A-CGA-CBA	3.06	123.87	114.03
14	A	829	CLA	C4D-C3D-CAD	3.06	111.71	108.10
14	G	831	CLA	C4D-C3D-CAD	3.06	111.71	108.10
17	F	201	BCR	C37-C22-C23	3.06	122.90	118.08
17	T	102	BCR	C27-C26-C25	-3.06	118.28	122.73
15	G	843	PQN	C2M-C2-C3	-3.06	119.41	124.40
17	Q	201	BCR	C38-C26-C25	3.06	127.96	124.53
14	Y	814	CLA	C3D-C4D-ND	3.06	115.19	110.24
14	G	842	CLA	C4D-C3D-CAD	3.06	111.70	108.10
14	f	101	CLA	C4D-C3D-CAD	3.06	111.70	108.10
14	B	802	CLA	CHD-C1D-ND	-3.06	121.64	124.45
14	J	101	CLA	O2A-CGA-CBA	3.06	123.85	114.03
14	A	829	CLA	C3C-C4C-NC	3.06	114.00	110.57
17	B	850	BCR	C36-C18-C19	-3.06	113.26	118.08
14	K	101	CLA	CMB-C2B-C3B	3.06	130.40	124.68
14	Z	838	CLA	C1-O2A-CGA	3.06	124.46	116.44
14	A	827	CLA	CMB-C2B-C3B	3.06	130.40	124.68
17	G	846	BCR	C1-C6-C7	3.06	124.42	115.78
14	G	839	CLA	CED-O2D-CGD	3.06	122.85	115.94
14	B	825	CLA	CMA-C3A-C4A	3.06	119.99	111.77
14	H	828	CLA	O2A-CGA-O1A	-3.06	115.88	123.59
14	B	806	CLA	CHC-C1C-C2C	-3.05	118.27	126.72
14	A	835	CLA	C3D-C4D-ND	3.05	115.18	110.24
14	B	835	CLA	CMD-C2D-C3D	-3.05	120.59	127.61
14	Y	832	CLA	CMD-C2D-C3D	-3.05	120.59	127.61
14	B	811	CLA	CHC-C1C-C2C	-3.05	118.28	126.72
14	A	805	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
14	G	808	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	Y	841	CLA	O2A-C1-C2	3.05	116.65	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	814	CLA	CMD-C2D-C3D	-3.05	120.60	127.61
14	G	840	CLA	C5-C3-C2	-3.05	114.94	121.12
17	G	849	BCR	C36-C18-C19	-3.05	113.27	118.08
14	A	811	CLA	OBD-CAD-C3D	-3.05	121.18	128.52
14	G	819	CLA	C1-C2-C3	-3.05	120.77	126.04
17	Y	845	BCR	C7-C8-C9	-3.05	121.63	126.23
17	H	846	BCR	C40-C30-C25	3.05	115.24	110.30
14	Z	834	CLA	CHB-C4A-NA	3.05	128.72	124.51
14	B	807	CLA	C3D-C4D-ND	3.05	115.17	110.24
14	U	1007	CLA	O2A-C1-C2	3.05	116.64	108.64
17	I	102	BCR	C40-C30-C25	-3.05	105.36	110.30
14	H	812	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	L	202	CLA	C7-C6-C5	-3.04	105.09	113.36
14	H	803	CLA	C3D-C4D-ND	3.04	115.16	110.24
17	Z	846	BCR	C37-C22-C21	-3.04	118.66	122.92
14	Y	838	CLA	O2A-C1-C2	3.04	116.63	108.64
14	A	842	CLA	C1-C2-C3	-3.04	120.78	126.04
14	L	206	CLA	CHB-C4A-NA	3.04	128.72	124.51
17	A	849	BCR	C38-C26-C25	-3.04	121.11	124.53
14	Z	808	CLA	O2A-CGA-O1A	-3.04	115.92	123.59
14	Y	834	CLA	CMB-C2B-C3B	3.04	130.37	124.68
14	B	808	CLA	C5-C3-C2	-3.04	114.96	121.12
14	j	102	CLA	C3D-C4D-ND	3.04	115.16	110.24
14	B	837	CLA	C3C-C4C-NC	3.04	113.98	110.57
14	U	1003	CLA	C1-C2-C3	-3.04	120.79	126.04
17	d	203	BCR	C35-C13-C12	-3.04	113.29	118.08
14	G	831	CLA	CHD-C1D-ND	-3.04	121.66	124.45
14	S	1103	CLA	CMB-C2B-C3B	3.04	130.36	124.68
14	A	817	CLA	C3D-C4D-ND	3.04	115.15	110.24
14	Z	801	CLA	C4D-C3D-CAD	3.04	111.68	108.10
14	Z	819	CLA	C3D-C4D-ND	3.04	115.15	110.24
14	Z	841	CLA	C6-C5-C3	-3.04	105.49	113.45
14	B	829	CLA	C3D-C4D-ND	3.04	115.15	110.24
14	G	830	CLA	CED-O2D-CGD	3.04	122.80	115.94
14	H	830	CLA	CHD-C1D-ND	-3.04	121.66	124.45
14	B	813	CLA	CMB-C2B-C3B	3.04	130.36	124.68
14	Y	831	CLA	O1D-CGD-CBD	-3.03	118.27	124.48
14	H	822	CLA	C4D-C3D-CAD	3.03	111.67	108.10
14	K	101	CLA	CMD-C2D-C3D	-3.03	120.63	127.61
17	Y	853	BCR	C38-C26-C25	-3.03	121.12	124.53
17	T	102	BCR	C8-C7-C6	-3.03	118.68	127.20
14	J	102	CLA	C4-C3-C5	3.03	120.37	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	844	BCR	C37-C22-C21	-3.03	118.67	122.92
14	G	831	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	Z	803	CLA	O2A-C1-C2	3.03	116.60	108.64
14	G	853	CLA	C3D-C4D-ND	3.03	115.14	110.24
14	G	806	CLA	C1-O2A-CGA	3.03	124.39	116.44
14	H	829	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	B	806	CLA	CMD-C2D-C3D	-3.03	120.65	127.61
14	H	807	CLA	O2A-CGA-CBA	3.03	121.41	111.91
14	B	838	CLA	CMC-C2C-C1C	3.03	129.65	125.04
14	Z	829	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	A	821	CLA	C4D-C3D-CAD	3.03	111.67	108.10
14	G	835	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
14	G	821	CLA	CHB-C4A-NA	3.03	128.70	124.51
14	H	837	CLA	CAC-C3C-C4C	3.03	128.74	124.81
14	G	806	CLA	C3D-C4D-ND	3.02	115.13	110.24
14	A	803	CLA	CHD-C1D-ND	-3.02	121.67	124.45
14	A	815	CLA	CMB-C2B-C3B	3.02	130.34	124.68
14	G	832	CLA	OBD-CAD-C3D	-3.02	121.25	128.52
14	G	827	CLA	C3D-C4D-ND	3.02	115.13	110.24
14	G	830	CLA	CMB-C2B-C3B	3.02	130.33	124.68
17	B	844	BCR	C40-C30-C25	-3.02	105.40	110.30
14	G	830	CLA	CAA-CBA-CGA	3.02	122.08	113.25
14	G	829	CLA	CMA-C3A-C4A	3.02	119.89	111.77
17	Y	847	BCR	C38-C26-C27	3.02	119.42	113.62
14	G	809	CLA	CMA-C3A-C4A	3.02	119.89	111.77
14	B	813	CLA	C4D-C3D-CAD	3.02	111.65	108.10
14	Y	824	CLA	CED-O2D-CGD	3.02	122.76	115.94
14	B	829	CLA	CMD-C2D-C3D	-3.02	120.67	127.61
14	B	814	CLA	OBD-CAD-C3D	-3.02	121.26	128.52
14	Y	803	CLA	C4D-C3D-CAD	3.02	111.65	108.10
14	A	854	CLA	O1D-CGD-CBD	-3.02	118.31	124.48
14	Y	815	CLA	C3D-C4D-ND	3.02	115.12	110.24
14	A	807	CLA	CAC-C3C-C4C	3.02	128.72	124.81
14	Z	836	CLA	C3C-C4C-NC	3.01	113.95	110.57
17	Y	848	BCR	C30-C25-C26	-3.01	118.37	122.61
14	B	804	CLA	O2D-CGD-O1D	-3.01	117.94	123.84
14	B	832	CLA	CMC-C2C-C1C	3.01	129.63	125.04
14	B	840	CLA	CAC-C3C-C2C	3.01	132.68	127.53
17	G	849	BCR	C4-C5-C6	-3.01	118.36	122.73
14	S	1103	CLA	C4-C3-C5	3.01	120.34	115.27
14	B	835	CLA	O2A-CGA-CBA	3.01	123.70	114.03
14	A	807	CLA	CHB-C4A-NA	3.01	128.68	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	833	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	G	811	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	Y	831	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	B	810	CLA	O2A-C1-C2	3.01	116.54	108.64
14	Y	805	CLA	C1-C2-C3	-3.01	120.84	126.04
14	A	832	CLA	CHD-C1D-ND	-3.01	121.69	124.45
14	G	826	CLA	C3D-C4D-ND	3.01	115.10	110.24
14	H	821	CLA	C3D-C4D-ND	3.01	115.10	110.24
14	A	843	CLA	C4D-C3D-CAD	3.01	111.64	108.10
14	H	819	CLA	O2A-C1-C2	3.01	116.54	108.64
17	U	1005	BCR	C37-C22-C21	-3.01	118.71	122.92
14	G	808	CLA	O1D-CGD-CBD	-3.01	118.33	124.48
14	S	1103	CLA	C3D-C4D-ND	3.00	115.10	110.24
13	G	801	CL0	CAC-C3C-C4C	3.00	128.71	124.81
14	A	825	CLA	C4D-C3D-CAD	3.00	111.64	108.10
14	H	819	CLA	C4D-C3D-CAD	3.00	111.64	108.10
14	Z	801	CLA	OBD-CAD-C3D	-3.00	121.30	128.52
14	Z	838	CLA	C3D-C4D-ND	3.00	115.09	110.24
14	Q	202	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
17	U	1005	BCR	C3-C4-C5	-3.00	108.72	114.08
14	Y	813	CLA	OBD-CAD-C3D	-3.00	121.30	128.52
14	g	101	CLA	CMB-C2B-C3B	3.00	130.29	124.68
14	A	803	CLA	CAA-C2A-C3A	-3.00	104.56	112.78
14	Z	813	CLA	CED-O2D-CGD	3.00	122.72	115.94
14	H	851	CLA	CHD-C1D-ND	-3.00	121.70	124.45
14	L	201	CLA	O1D-CGD-CBD	-3.00	118.35	124.48
14	G	822	CLA	CGD-CBD-CAD	-3.00	101.02	110.73
14	H	817	CLA	CMC-C2C-C1C	3.00	129.61	125.04
14	Z	810	CLA	O2A-C1-C2	3.00	116.52	108.64
17	B	847	BCR	C23-C24-C25	-3.00	118.79	127.20
14	A	821	CLA	C4A-NA-C1A	3.00	108.05	106.71
14	Y	806	CLA	C4D-C3D-CAD	3.00	111.63	108.10
13	G	801	CL0	CHB-C4A-NA	3.00	128.65	124.51
14	H	817	CLA	C3D-C4D-ND	3.00	115.08	110.24
14	Z	812	CLA	C3D-C4D-ND	3.00	115.08	110.24
14	Y	835	CLA	CMA-C3A-C4A	2.99	119.82	111.77
14	A	809	CLA	O1D-CGD-CBD	-2.99	118.36	124.48
14	G	831	CLA	CAC-C3C-C4C	2.99	128.69	124.81
14	Y	806	CLA	CED-O2D-CGD	2.99	122.71	115.94
17	f	103	BCR	C37-C22-C21	-2.99	118.73	122.92
14	Y	815	CLA	CMA-C3A-C4A	2.99	119.82	111.77
17	M	101	BCR	C7-C6-C5	-2.99	114.21	121.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	805	CLA	O1D-CGD-CBD	-2.99	118.36	124.48
17	Z	843	BCR	C37-C22-C23	2.99	122.79	118.08
14	G	811	CLA	CAA-C2A-C1A	-2.99	102.17	111.97
14	H	809	CLA	O2A-C1-C2	2.99	116.50	108.64
14	B	809	CLA	CMA-C3A-C4A	2.99	119.81	111.77
14	B	802	CLA	C3D-C4D-ND	2.99	115.08	110.24
14	G	821	CLA	C1-O2A-CGA	2.99	124.29	116.44
17	A	846	BCR	C39-C30-C25	-2.99	105.45	110.30
14	Y	828	CLA	C3D-C4D-ND	2.99	115.07	110.24
14	Y	811	CLA	C3D-C4D-ND	2.99	115.07	110.24
14	G	852	CLA	C3D-C4D-ND	2.99	115.07	110.24
14	Z	808	CLA	CAC-C3C-C4C	2.99	128.69	124.81
14	Z	837	CLA	C4D-C3D-CAD	2.99	111.62	108.10
14	Y	808	CLA	O1D-CGD-CBD	-2.99	118.37	124.48
14	L	202	CLA	CGD-CBD-CAD	-2.98	101.07	110.73
14	Y	828	CLA	CED-O2D-CGD	2.98	122.69	115.94
14	Y	823	CLA	CAC-C3C-C4C	2.98	128.68	124.81
14	Z	802	CLA	CMB-C2B-C3B	2.98	130.26	124.68
14	B	808	CLA	CBC-CAC-C3C	-2.98	104.21	112.43
14	Z	834	CLA	O2A-CGA-CBA	2.98	123.61	114.03
14	G	805	CLA	C3D-C4D-ND	2.98	115.06	110.24
14	Y	837	CLA	C3C-C4C-NC	2.98	113.91	110.57
14	G	812	CLA	C4-C3-C5	2.98	120.28	115.27
14	Y	803	CLA	O1D-CGD-CBD	-2.98	118.39	124.48
14	j	102	CLA	C4D-C3D-CAD	2.98	111.61	108.10
14	H	808	CLA	CMA-C3A-C4A	2.98	119.78	111.77
14	G	802	CLA	CHB-C4A-NA	2.98	128.63	124.51
14	G	807	CLA	CMB-C2B-C3B	2.98	130.25	124.68
17	Y	853	BCR	C33-C5-C6	-2.98	121.18	124.53
14	Y	824	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	B	833	CLA	CMC-C2C-C1C	2.98	129.57	125.04
14	L	202	CLA	C1-O2A-CGA	2.98	124.26	116.44
17	R	101	BCR	C30-C25-C26	-2.98	118.42	122.61
14	B	830	CLA	C3C-C4C-NC	2.98	113.91	110.57
14	Z	817	CLA	C3D-C4D-ND	2.98	115.05	110.24
14	J	101	CLA	CMC-C2C-C1C	2.98	129.57	125.04
14	Y	808	CLA	C6-C5-C3	-2.97	105.66	113.45
14	H	805	CLA	C3D-C4D-ND	2.97	115.05	110.24
17	B	846	BCR	C8-C9-C10	2.97	123.50	118.94
14	Z	814	CLA	CMB-C2B-C3B	2.97	130.24	124.68
14	A	818	CLA	C4-C3-C5	2.97	120.27	115.27
17	J	103	BCR	C8-C7-C6	-2.97	118.86	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	832	CLA	CMA-C3A-C4A	2.97	119.76	111.77
14	A	832	CLA	O2A-CGA-CBA	2.97	121.23	111.91
14	T	101	CLA	C4D-C3D-CAD	2.97	111.66	107.70
14	H	801	CLA	C4D-C3D-CAD	2.97	111.60	108.10
14	H	827	CLA	CMC-C2C-C1C	2.97	129.56	125.04
14	B	835	CLA	C3D-C4D-ND	2.97	115.04	110.24
14	Z	801	CLA	CAA-C2A-C3A	-2.97	104.65	112.78
17	H	846	BCR	C1-C6-C5	-2.97	118.43	122.61
14	H	807	CLA	C3D-C4D-ND	2.97	115.04	110.24
14	Z	808	CLA	CBC-CAC-C3C	-2.97	104.25	112.43
17	R	101	BCR	C7-C8-C9	-2.97	121.75	126.23
14	Y	803	CLA	C3C-C4C-NC	2.97	113.90	110.57
14	A	827	CLA	O2A-C1-C2	2.97	116.43	108.64
14	J	101	CLA	C3D-C4D-ND	2.97	115.04	110.24
14	J	101	CLA	CED-O2D-CGD	2.96	122.64	115.94
14	L	205	CLA	CED-O2D-CGD	2.96	122.64	115.94
14	A	843	CLA	C3D-C4D-ND	2.96	115.03	110.24
14	Y	802	CLA	O2A-C1-C2	2.96	116.42	108.64
14	A	822	CLA	C4D-C3D-CAD	2.96	111.59	108.10
17	h	202	BCR	C23-C22-C21	2.96	123.49	118.94
18	j	101	LHG	O8-C23-C24	2.96	121.20	111.91
14	Z	828	CLA	CAC-C3C-C4C	2.96	128.65	124.81
14	B	824	CLA	CMB-C2B-C3B	2.96	130.22	124.68
14	G	828	CLA	C3C-C4C-NC	2.96	113.89	110.57
14	A	816	CLA	C1-O2A-CGA	2.96	124.21	116.44
14	Z	820	CLA	O1D-CGD-CBD	-2.96	118.43	124.48
14	H	823	CLA	CMD-C2D-C3D	-2.96	120.81	127.61
17	d	203	BCR	C34-C9-C10	-2.96	118.78	122.92
14	H	816	CLA	C4-C3-C5	2.96	120.25	115.27
14	H	832	CLA	CED-O2D-CGD	2.96	122.63	115.94
14	A	807	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
14	W	1701	CLA	C3C-C4C-NC	2.96	113.89	110.57
14	Z	833	CLA	CMB-C2B-C3B	2.96	130.21	124.68
14	Z	816	CLA	O1D-CGD-CBD	-2.96	118.44	124.48
14	H	822	CLA	CMC-C2C-C1C	2.96	129.54	125.04
14	f	101	CLA	C3C-C4C-NC	2.95	113.89	110.57
14	Z	837	CLA	C3D-C4D-ND	2.95	115.02	110.24
14	Y	804	CLA	C3D-C4D-ND	2.95	115.02	110.24
14	Z	819	CLA	CHB-C4A-NA	2.95	128.60	124.51
14	A	813	CLA	CHD-C1D-ND	-2.95	121.74	124.45
14	H	834	CLA	C3D-C4D-ND	2.95	115.01	110.24
14	B	808	CLA	O2A-C1-C2	2.95	116.39	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	823	CLA	C3D-C4D-ND	2.95	115.01	110.24
14	S	1102	CLA	C3D-C4D-ND	2.95	115.01	110.24
17	J	103	BCR	C27-C26-C25	-2.95	118.45	122.73
14	X	1701	CLA	O2A-CGA-CBA	2.95	123.51	114.03
17	G	847	BCR	C30-C25-C24	2.95	124.12	115.78
17	L	207	BCR	C31-C1-C6	-2.95	105.52	110.30
14	H	813	CLA	O1D-CGD-CBD	-2.95	118.45	124.48
14	Y	805	CLA	CMA-C3A-C4A	2.95	119.69	111.77
14	G	835	CLA	C4D-C3D-CAD	2.95	111.57	108.10
14	Z	837	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	B	803	CLA	C3C-C4C-NC	2.95	113.88	110.57
14	Y	832	CLA	CAC-C3C-C4C	2.95	128.63	124.81
14	d	202	CLA	O2A-CGA-CBA	2.95	123.49	114.03
14	B	840	CLA	CMB-C2B-C3B	2.95	130.19	124.68
14	Z	812	CLA	CMA-C3A-C4A	2.95	119.69	111.77
14	B	827	CLA	C5-C3-C2	-2.94	115.16	121.12
14	Y	832	CLA	O2A-CGA-CBA	2.94	121.15	111.91
14	T	101	CLA	C3D-C4D-ND	2.94	115.00	110.24
14	A	809	CLA	CMC-C2C-C1C	2.94	129.52	125.04
17	S	1104	BCR	C15-C14-C13	-2.94	123.11	127.31
17	G	849	BCR	C37-C22-C23	2.94	122.71	118.08
17	J	103	BCR	C37-C22-C23	2.94	122.71	118.08
14	Y	829	CLA	CMD-C2D-C3D	-2.94	120.85	127.61
14	G	806	CLA	CMC-C2C-C1C	2.94	129.52	125.04
17	B	844	BCR	C1-C6-C5	-2.94	118.47	122.61
14	G	841	CLA	O2A-C1-C2	2.94	116.36	108.64
19	B	848	LMG	C1-O6-C5	2.94	119.46	113.69
14	A	803	CLA	CAC-C3C-C4C	2.94	128.62	124.81
14	B	814	CLA	O1D-CGD-CBD	-2.94	118.47	124.48
14	H	823	CLA	CMA-C3A-C4A	2.94	119.67	111.77
14	H	821	CLA	CMB-C2B-C3B	2.94	130.18	124.68
14	Y	804	CLA	CMB-C2B-C3B	2.94	130.18	124.68
14	B	802	CLA	C1C-C2C-C3C	-2.94	103.87	106.96
14	A	841	CLA	C4D-C3D-CAD	2.94	111.56	108.10
14	H	808	CLA	CAC-C3C-C4C	2.94	128.62	124.81
14	Y	825	CLA	C3D-C4D-ND	2.94	114.99	110.24
14	Z	811	CLA	CHD-C1D-ND	-2.94	121.75	124.45
14	Z	820	CLA	C3D-C4D-ND	2.94	114.99	110.24
14	A	815	CLA	CBA-CAA-C2A	2.93	122.53	113.86
14	Y	805	CLA	CHC-C1C-C2C	-2.93	118.61	126.72
14	G	823	CLA	CMD-C2D-C3D	-2.93	120.86	127.61
17	Z	846	BCR	C36-C18-C19	-2.93	113.45	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	849	BCR	C30-C25-C26	-2.93	118.48	122.61
19	Z	849	LMG	O1-C1-C2	2.93	112.88	108.30
14	Y	812	CLA	CMC-C2C-C1C	2.93	129.50	125.04
14	B	811	CLA	O2D-CGD-CBD	2.93	116.48	111.27
14	A	812	CLA	CHC-C1C-C2C	-2.93	118.61	126.72
14	G	841	CLA	C3C-C4C-NC	2.93	113.86	110.57
14	G	833	CLA	C1-O2A-CGA	2.93	124.13	116.44
14	B	812	CLA	C3C-C4C-NC	2.93	113.86	110.57
14	Y	840	CLA	C3C-C4C-NC	2.93	113.86	110.57
14	B	801	CLA	C3D-C4D-ND	2.93	114.98	110.24
14	A	840	CLA	CMA-C3A-C4A	2.93	119.64	111.77
14	G	840	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	Y	802	CLA	CHD-C1D-ND	-2.93	121.76	124.45
14	A	815	CLA	C3D-C4D-ND	2.93	114.97	110.24
17	B	842	BCR	C34-C9-C10	-2.93	118.82	122.92
14	B	821	CLA	CED-O2D-CGD	2.93	122.56	115.94
14	H	838	CLA	CMC-C2C-C1C	2.93	129.50	125.04
14	H	832	CLA	O1D-CGD-CBD	-2.93	118.50	124.48
14	G	808	CLA	O2D-CGD-O1D	-2.93	118.12	123.84
14	L	201	CLA	C6-C5-C3	-2.93	105.78	113.45
14	G	835	CLA	CMD-C2D-C3D	-2.92	120.89	127.61
14	A	830	CLA	C4D-C3D-CAD	2.92	111.54	108.10
14	H	816	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
14	G	839	CLA	CMC-C2C-C1C	2.92	129.49	125.04
14	d	201	CLA	C3D-C4D-ND	2.92	114.97	110.24
14	H	812	CLA	CMA-C3A-C4A	2.92	119.63	111.77
17	B	846	BCR	C8-C7-C6	-2.92	118.99	127.20
14	A	854	CLA	C3D-C4D-ND	2.92	114.97	110.24
17	B	844	BCR	C23-C24-C25	-2.92	119.00	127.20
14	A	804	CLA	CMC-C2C-C1C	2.92	129.49	125.04
14	H	819	CLA	CAC-C3C-C4C	2.92	128.60	124.81
14	H	812	CLA	CMB-C2B-C3B	2.92	130.14	124.68
14	A	836	CLA	CHD-C4C-C3C	-2.92	120.55	124.84
14	A	803	CLA	C5-C3-C2	-2.92	115.21	121.12
14	Y	810	CLA	C3D-C4D-ND	2.92	114.96	110.24
14	G	840	CLA	C3C-C4C-NC	2.92	113.85	110.57
14	G	825	CLA	CMC-C2C-C1C	2.92	129.49	125.04
14	G	817	CLA	C1-O2A-CGA	2.92	124.11	116.44
14	Y	825	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
14	G	832	CLA	CHB-C4A-NA	2.92	128.55	124.51
14	Z	827	CLA	CHC-C1C-C2C	-2.92	118.65	126.72
14	B	830	CLA	C3D-C4D-ND	2.92	114.96	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	808	CLA	CMA-C3A-C4A	2.92	119.62	111.77
17	H	843	BCR	C33-C5-C4	2.92	119.22	113.62
17	J	103	BCR	C1-C6-C7	2.92	124.03	115.78
14	H	806	CLA	CMC-C2C-C1C	2.92	129.48	125.04
14	S	1103	CLA	CAC-C3C-C4C	2.92	128.60	124.81
14	B	804	CLA	O2A-C1-C2	2.92	116.30	108.64
14	G	821	CLA	CMC-C2C-C1C	2.92	129.48	125.04
14	j	102	CLA	O2D-CGD-CBD	2.92	116.45	111.27
14	A	831	CLA	CAA-C2A-C3A	-2.92	104.79	112.78
14	h	205	CLA	CMA-C3A-C4A	2.92	119.61	111.77
14	B	832	CLA	C3C-C4C-NC	2.91	113.84	110.57
14	B	839	CLA	C3C-C4C-NC	2.91	113.84	110.57
17	H	846	BCR	C7-C6-C5	-2.91	114.40	121.46
14	Z	829	CLA	C3D-C4D-ND	2.91	114.95	110.24
14	Y	827	CLA	CMA-C3A-C4A	2.91	119.61	111.77
14	G	817	CLA	C4D-C3D-CAD	2.91	111.53	108.10
14	G	809	CLA	C3C-C4C-NC	2.91	113.84	110.57
14	B	834	CLA	CED-O2D-CGD	2.91	122.52	115.94
14	Y	825	CLA	CMD-C2D-C3D	-2.91	120.92	127.61
17	d	203	BCR	C7-C8-C9	-2.91	121.84	126.23
14	g	101	CLA	O2A-CGA-CBA	2.91	123.38	114.03
14	A	811	CLA	CHC-C1C-C2C	-2.91	118.67	126.72
14	Y	836	CLA	C4-C3-C5	2.91	120.16	115.27
14	A	836	CLA	C4D-C3D-CAD	2.91	111.52	108.10
17	Y	849	BCR	C31-C1-C6	-2.91	105.58	110.30
14	A	816	CLA	C3C-C4C-NC	2.91	113.83	110.57
17	H	843	BCR	C3-C4-C5	-2.91	108.89	114.08
14	Y	817	CLA	C4A-NA-C1A	2.91	108.01	106.71
14	B	812	CLA	CHC-C1C-C2C	-2.91	118.68	126.72
14	B	813	CLA	CHB-C4A-NA	2.91	128.53	124.51
14	Z	802	CLA	C3C-C4C-NC	2.91	113.83	110.57
14	B	814	CLA	CMB-C2B-C3B	2.91	130.11	124.68
14	A	829	CLA	CGD-CBD-CAD	2.91	120.14	110.73
14	A	826	CLA	CMC-C2C-C1C	2.91	129.46	125.04
14	Y	832	CLA	C3D-C4D-ND	2.90	114.94	110.24
14	G	840	CLA	O2A-CGA-CBA	2.90	121.02	111.91
14	A	839	CLA	CED-O2D-CGD	2.90	122.51	115.94
14	A	837	CLA	C4-C3-C5	2.90	120.16	115.27
17	U	1009	BCR	C36-C18-C17	-2.90	118.86	122.92
14	B	808	CLA	CAC-C3C-C4C	2.90	128.58	124.81
14	A	818	CLA	C3D-C4D-ND	2.90	114.93	110.24
14	H	805	CLA	O2A-C1-C2	2.90	116.26	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	808	CLA	O2A-C1-C2	2.90	116.26	108.64
14	A	803	CLA	CMB-C2B-C3B	2.90	130.11	124.68
14	B	823	CLA	C4D-C3D-CAD	2.90	111.52	108.10
14	G	810	CLA	CMA-C3A-C4A	2.90	119.57	111.77
14	H	808	CLA	C3D-C4D-ND	2.90	114.93	110.24
14	H	813	CLA	CMA-C3A-C4A	2.90	119.57	111.77
14	B	828	CLA	CHC-C1C-C2C	-2.90	118.70	126.72
14	A	802	CLA	C3D-C4D-ND	2.90	114.93	110.24
14	G	816	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	B	812	CLA	C4-C3-C5	2.90	120.15	115.27
14	B	833	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	H	839	CLA	OBD-CAD-C3D	-2.90	121.55	128.52
17	Q	201	BCR	C15-C14-C13	-2.90	123.17	127.31
17	U	1008	BCR	C30-C25-C26	-2.90	118.53	122.61
14	Y	803	CLA	CMC-C2C-C1C	2.90	129.45	125.04
14	A	824	CLA	C4D-C3D-CAD	2.89	111.51	108.10
14	Z	816	CLA	C4D-C3D-CAD	2.89	111.51	108.10
17	G	845	BCR	C3-C4-C5	-2.89	108.91	114.08
14	B	826	CLA	CHB-C4A-NA	2.89	128.51	124.51
14	H	820	CLA	O2A-CGA-CBA	2.89	123.33	114.03
14	G	805	CLA	C3C-C4C-NC	2.89	113.82	110.57
14	B	822	CLA	C3D-C4D-ND	2.89	114.92	110.24
17	H	847	BCR	C39-C30-C25	-2.89	105.61	110.30
17	Y	852	BCR	C38-C26-C25	-2.89	121.28	124.53
14	X	1701	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	Y	802	CLA	CAC-C3C-C4C	2.89	128.56	124.81
14	B	805	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	H	825	CLA	CMC-C2C-C1C	2.89	129.44	125.04
14	H	821	CLA	C4D-C3D-CAD	2.89	111.50	108.10
13	Y	801	CL0	C1D-ND-C4D	-2.89	104.28	106.33
14	G	835	CLA	O2A-CGA-CBA	2.89	123.31	114.03
14	A	843	CLA	O2A-C1-C2	2.89	116.22	108.64
14	Z	827	CLA	CHB-C4A-NA	2.89	128.50	124.51
14	H	815	CLA	C3C-C4C-NC	2.89	113.81	110.57
17	Q	201	BCR	C8-C9-C10	-2.89	114.51	118.94
14	U	1006	CLA	C3D-C4D-ND	2.89	114.91	110.24
17	Y	844	BCR	C37-C22-C21	-2.89	118.88	122.92
14	B	838	CLA	C4A-NA-C1A	2.88	108.00	106.71
14	G	825	CLA	OBD-CAD-C3D	-2.88	121.58	128.52
14	Z	841	CLA	C3D-C4D-ND	2.88	114.90	110.24
14	Z	839	CLA	O1D-CGD-CBD	-2.88	118.58	124.48
14	B	810	CLA	OBD-CAD-C3D	-2.88	121.58	128.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	816	CLA	CMD-C2D-C3D	-2.88	120.98	127.61
14	Y	839	CLA	C3D-C4D-ND	2.88	114.90	110.24
14	Z	813	CLA	C3D-C4D-ND	2.88	114.90	110.24
17	J	104	BCR	C30-C25-C24	2.88	123.93	115.78
17	M	101	BCR	C30-C25-C24	2.88	123.93	115.78
14	Y	825	CLA	C4D-C3D-CAD	2.88	111.49	108.10
14	H	808	CLA	O1D-CGD-CBD	-2.88	118.59	124.48
14	F	202	CLA	CHD-C1D-ND	-2.88	121.81	124.45
14	G	821	CLA	CMD-C2D-C3D	-2.88	120.99	127.61
17	M	101	BCR	C24-C25-C26	-2.88	114.49	121.46
14	B	836	CLA	CMB-C2B-C3B	2.88	130.06	124.68
14	H	813	CLA	C3D-C4D-ND	2.88	114.89	110.24
17	d	203	BCR	C38-C26-C25	-2.88	121.30	124.53
14	K	102	CLA	CMC-C2C-C1C	2.88	129.42	125.04
14	B	811	CLA	CAC-C3C-C4C	2.88	128.54	124.81
14	B	836	CLA	CHD-C4C-C3C	-2.88	120.61	124.84
14	Y	828	CLA	CMD-C2D-C3D	-2.88	121.00	127.61
14	A	802	CLA	CED-O2D-CGD	2.88	122.44	115.94
14	W	1701	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
14	L	202	CLA	C3C-C4C-NC	2.88	113.80	110.57
14	X	1701	CLA	C3C-C4C-NC	2.88	113.80	110.57
14	A	819	CLA	CMA-C3A-C4A	2.87	119.50	111.77
14	Z	828	CLA	CMB-C2B-C3B	2.87	130.06	124.68
14	G	823	CLA	CMA-C3A-C4A	2.87	119.49	111.77
14	Z	824	CLA	C3D-C4D-ND	2.87	114.88	110.24
17	B	843	BCR	C3-C4-C5	-2.87	108.95	114.08
14	A	804	CLA	C3D-C4D-ND	2.87	114.88	110.24
14	Q	202	CLA	CMB-C2B-C3B	2.87	130.05	124.68
14	Y	809	CLA	CMC-C2C-C1C	2.87	129.41	125.04
14	A	810	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
17	Y	844	BCR	C37-C22-C23	2.87	122.60	118.08
14	A	819	CLA	C4D-C3D-CAD	2.87	111.48	108.10
14	H	811	CLA	CED-O2D-CGD	2.87	122.42	115.94
15	H	841	PQN	C2M-C2-C3	-2.86	119.73	124.40
14	H	826	CLA	O2A-CGA-CBA	2.86	120.89	111.91
14	B	805	CLA	C3D-C4D-ND	2.86	114.87	110.24
14	B	825	CLA	C4D-C3D-CAD	2.86	111.47	108.10
14	L	205	CLA	O1D-CGD-CBD	-2.86	118.63	124.48
14	Z	830	CLA	C3D-C4D-ND	2.86	114.87	110.24
14	G	839	CLA	CMA-C3A-C4A	2.86	119.47	111.77
14	H	807	CLA	CHD-C4C-C3C	-2.86	120.63	124.84
14	H	823	CLA	C3D-C4D-ND	2.86	114.87	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	833	CLA	C4D-C3D-CAD	2.86	111.47	108.10
17	G	849	BCR	C15-C14-C13	-2.86	123.23	127.31
14	Z	830	CLA	CHC-C1C-C2C	-2.86	118.81	126.72
17	Z	844	BCR	C33-C5-C4	2.86	119.11	113.62
14	A	817	CLA	CED-O2D-CGD	2.86	122.41	115.94
17	A	850	BCR	C31-C1-C6	-2.86	105.66	110.30
14	H	834	CLA	CMA-C3A-C4A	2.86	119.46	111.77
17	Y	849	BCR	C24-C25-C26	-2.86	114.54	121.46
14	G	803	CLA	CMC-C2C-C1C	2.86	129.39	125.04
14	U	1002	CLA	C3D-C4D-ND	2.86	114.86	110.24
17	B	847	BCR	C2-C3-C4	-2.86	104.99	111.38
17	Y	847	BCR	C27-C26-C25	-2.86	118.58	122.73
14	G	809	CLA	CMD-C2D-C3D	-2.86	121.04	127.61
17	J	103	BCR	C24-C25-C26	2.86	128.38	121.46
14	B	819	CLA	C3C-C4C-NC	2.86	113.78	110.57
14	T	103	CLA	CMC-C2C-C1C	2.86	129.39	125.04
14	G	803	CLA	CAC-C3C-C4C	2.86	128.52	124.81
14	Y	838	CLA	CHC-C1C-C2C	-2.86	118.82	126.72
14	K	101	CLA	C3D-C4D-ND	2.85	114.86	110.24
14	B	821	CLA	O2A-C1-C2	2.85	116.14	108.64
17	Z	847	BCR	C15-C14-C13	-2.85	123.24	127.31
17	A	846	BCR	C40-C30-C25	2.85	114.93	110.30
14	Z	810	CLA	C6-C5-C3	-2.85	105.97	113.45
14	A	837	CLA	O2D-CGD-CBD	2.85	116.34	111.27
14	A	808	CLA	CHC-C1C-C2C	-2.85	118.83	126.72
14	G	810	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	T	101	CLA	CMD-C2D-C3D	-2.85	121.05	127.61
14	Y	820	CLA	C4D-C3D-CAD	2.85	111.46	108.10
17	B	843	BCR	C31-C1-C6	-2.85	105.67	110.30
14	G	834	CLA	C1-O2A-CGA	2.85	123.92	116.44
14	Z	811	CLA	C1D-CHD-C4C	-2.85	119.91	126.06
14	G	835	CLA	CMC-C2C-C1C	2.85	129.38	125.04
14	A	810	CLA	C3C-C4C-NC	2.85	113.77	110.57
14	G	824	CLA	C3C-C4C-NC	2.85	113.77	110.57
14	Y	807	CLA	CMD-C2D-C3D	-2.85	121.06	127.61
17	I	101	BCR	C1-C6-C5	-2.85	118.60	122.61
17	H	846	BCR	C23-C22-C21	2.85	123.31	118.94
14	B	801	CLA	C4D-C3D-CAD	2.85	111.45	108.10
14	Z	817	CLA	CMC-C2C-C1C	2.85	129.38	125.04
14	Z	838	CLA	C4D-C3D-CAD	2.85	111.45	108.10
17	Y	853	BCR	C1-C6-C5	-2.85	118.60	122.61
14	H	819	CLA	C3C-C4C-NC	2.85	113.76	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	821	CLA	C3C-C4C-NC	2.85	113.76	110.57
14	Z	827	CLA	O2A-CGA-CBA	2.85	120.84	111.91
14	B	814	CLA	C3D-C4D-ND	2.85	114.84	110.24
14	W	1701	CLA	C4D-C3D-CAD	2.85	111.45	108.10
17	e	101	BCR	C3-C4-C5	-2.85	109.00	114.08
14	Y	825	CLA	O2A-C1-C2	2.85	116.11	108.64
14	B	831	CLA	OBD-CAD-C3D	-2.85	121.67	128.52
14	H	828	CLA	C4-C3-C5	2.85	120.06	115.27
14	H	839	CLA	C4-C3-C5	2.85	120.06	115.27
14	Z	827	CLA	CED-O2D-CGD	2.84	122.37	115.94
14	A	834	CLA	CHB-C4A-NA	2.84	128.44	124.51
14	B	821	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	Y	819	CLA	C3D-C4D-ND	2.84	114.84	110.24
14	d	202	CLA	C3D-C4D-ND	2.84	114.84	110.24
14	Y	813	CLA	CMD-C2D-C3D	-2.84	121.08	127.61
14	G	840	CLA	C4D-C3D-CAD	2.84	111.45	108.10
14	H	807	CLA	C4D-C3D-CAD	2.84	111.45	108.10
14	H	821	CLA	CMD-C2D-C3D	-2.84	121.08	127.61
14	A	832	CLA	CMA-C3A-C4A	2.84	119.41	111.77
14	H	824	CLA	CAC-C3C-C4C	2.84	128.49	124.81
17	A	850	BCR	C38-C26-C27	2.84	119.07	113.62
14	f	102	CLA	OBD-CAD-C3D	-2.84	121.69	128.52
14	Y	840	CLA	O2D-CGD-CBD	2.84	116.31	111.27
17	Q	203	BCR	C2-C1-C6	2.84	114.85	110.48
14	Y	816	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	A	824	CLA	C1-O2A-CGA	2.84	123.89	116.44
14	Z	829	CLA	CMC-C2C-C1C	2.84	129.36	125.04
14	B	819	CLA	OBD-CAD-C3D	-2.84	121.69	128.52
14	Y	829	CLA	O2A-CGA-CBA	2.84	120.81	111.91
14	G	818	CLA	CHC-C1C-C2C	-2.84	118.87	126.72
17	A	847	BCR	C36-C18-C19	-2.84	113.61	118.08
17	J	104	BCR	C24-C25-C26	-2.83	114.59	121.46
14	Y	821	CLA	C3C-C4C-NC	2.83	113.75	110.57
17	h	202	BCR	C34-C9-C8	2.83	122.54	118.08
14	Y	819	CLA	CMA-C3A-C4A	2.83	119.39	111.77
14	K	102	CLA	C3D-C4D-ND	2.83	114.82	110.24
14	S	1103	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	Z	826	CLA	CHC-C1C-C2C	-2.83	118.89	126.72
14	f	102	CLA	C4D-C3D-CAD	2.83	111.44	108.10
17	U	1008	BCR	C39-C30-C25	2.83	114.89	110.30
17	S	1105	BCR	C7-C6-C5	-2.83	114.60	121.46
14	Y	839	CLA	CMD-C2D-C3D	-2.83	121.10	127.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	822	CLA	CED-O2D-CGD	2.83	122.34	115.94
14	G	813	CLA	CED-O2D-CGD	2.83	122.34	115.94
14	L	206	CLA	O1D-CGD-CBD	-2.83	118.69	124.48
14	A	813	CLA	C3C-C4C-NC	2.83	113.75	110.57
14	Y	802	CLA	O1D-CGD-CBD	-2.83	118.69	124.48
14	A	826	CLA	CMD-C2D-C3D	-2.83	121.10	127.61
14	A	834	CLA	C3C-C4C-NC	2.83	113.74	110.57
14	U	1007	CLA	CHD-C1D-ND	-2.83	121.85	124.45
14	B	820	CLA	CMB-C2B-C3B	2.83	129.97	124.68
17	Y	849	BCR	C37-C22-C21	-2.83	118.96	122.92
14	Y	835	CLA	CHD-C4C-C3C	-2.83	120.69	124.84
14	B	815	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	Y	828	CLA	C1-O2A-CGA	2.83	123.86	116.44
17	J	103	BCR	C3-C4-C5	-2.83	109.03	114.08
14	A	834	CLA	O2A-CGA-CBA	2.83	120.78	111.91
14	Z	803	CLA	C3D-C4D-ND	2.82	114.81	110.24
14	Y	822	CLA	C4D-C3D-CAD	2.82	111.42	108.10
14	Y	808	CLA	C3D-C4D-ND	2.82	114.81	110.24
14	B	831	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
14	G	810	CLA	O2A-CGA-CBA	2.82	123.10	114.03
14	Y	826	CLA	C4D-C3D-CAD	2.82	111.42	108.10
17	A	849	BCR	C15-C14-C13	-2.82	123.28	127.31
17	Y	846	BCR	C38-C26-C25	-2.82	121.36	124.53
14	H	803	CLA	C5-C3-C2	-2.82	115.41	121.12
14	Y	833	CLA	CMC-C2C-C1C	2.82	129.34	125.04
14	J	101	CLA	CMA-C3A-C4A	2.82	119.36	111.77
14	A	839	CLA	C3C-C4C-NC	2.82	113.73	110.57
14	Z	822	CLA	CED-O2D-CGD	2.82	122.32	115.94
17	Y	844	BCR	C15-C14-C13	-2.82	123.28	127.31
14	G	814	CLA	C4D-C3D-CAD	2.82	111.42	108.10
14	G	839	CLA	CMB-C2B-C3B	2.82	129.95	124.68
14	Y	807	CLA	CMB-C2B-C3B	2.82	129.95	124.68
14	B	821	CLA	CMB-C2B-C3B	2.82	129.95	124.68
14	B	815	CLA	CED-O2D-CGD	2.82	122.31	115.94
14	B	824	CLA	C4-C3-C5	2.82	120.01	115.27
17	A	848	BCR	C36-C18-C19	-2.82	113.64	118.08
14	Z	823	CLA	C1-O2A-CGA	2.82	123.84	116.44
14	Y	802	CLA	CMB-C2B-C3B	2.82	129.95	124.68
14	H	817	CLA	CMA-C3A-C4A	2.82	119.34	111.77
14	G	815	CLA	O1D-CGD-CBD	-2.82	118.72	124.48
14	B	840	CLA	CHB-C4A-NA	2.82	128.41	124.51
15	G	843	PQN	C2M-C2-C1	2.82	120.94	116.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L	205	CLA	CAA-CBA-CGA	2.82	121.48	113.25
14	Y	836	CLA	CHC-C1C-C2C	-2.81	118.94	126.72
14	Y	834	CLA	CMC-C2C-C1C	2.81	129.32	125.04
14	Y	810	CLA	C4D-C3D-CAD	2.81	111.41	108.10
14	A	832	CLA	CHD-C4C-C3C	-2.81	120.70	124.84
14	B	824	CLA	CMD-C2D-C3D	-2.81	121.14	127.61
14	Z	818	CLA	CHC-C1C-C2C	-2.81	118.94	126.72
14	B	819	CLA	CAC-C3C-C4C	2.81	128.46	124.81
14	Y	817	CLA	C1-O2A-CGA	2.81	123.82	116.44
14	Z	820	CLA	C4D-C3D-CAD	2.81	111.41	108.10
14	G	811	CLA	C3D-C4D-ND	2.81	114.79	110.24
17	S	1104	BCR	C28-C27-C26	-2.81	109.06	114.08
17	Q	201	BCR	C23-C22-C21	2.81	123.25	118.94
14	B	832	CLA	CBA-CAA-C2A	2.81	122.16	113.86
14	T	103	CLA	C3D-C4D-ND	2.81	114.78	110.24
14	B	830	CLA	C4D-C3D-CAD	2.81	111.41	108.10
14	h	204	CLA	CMB-C2B-C3B	2.81	129.94	124.68
14	H	803	CLA	C4D-C3D-CAD	2.81	111.41	108.10
14	S	1101	CLA	OBD-CAD-C3D	-2.81	121.76	128.52
14	H	828	CLA	C4D-C3D-CAD	2.81	111.41	108.10
17	Y	844	BCR	C35-C13-C14	-2.81	118.99	122.92
14	Y	825	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	A	824	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	A	823	CLA	CAA-C2A-C3A	-2.81	105.10	112.78
14	H	807	CLA	CED-O2D-CGD	2.80	122.28	115.94
14	B	808	CLA	CMA-C3A-C4A	2.80	119.31	111.77
17	F	201	BCR	C39-C30-C25	-2.80	105.75	110.30
14	Y	841	CLA	CHC-C1C-C2C	-2.80	118.97	126.72
17	I	102	BCR	C39-C30-C25	2.80	114.84	110.30
14	h	206	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	Z	806	CLA	CBC-CAC-C3C	-2.80	104.71	112.43
14	Z	805	CLA	CBC-CAC-C3C	-2.80	104.72	112.43
14	Z	835	CLA	CAC-C3C-C4C	2.80	128.44	124.81
14	Z	810	CLA	CHC-C1C-C2C	-2.80	118.98	126.72
14	H	827	CLA	C4-C3-C5	2.80	119.98	115.27
14	H	833	CLA	C3D-C4D-ND	2.80	114.76	110.24
14	Z	821	CLA	C3D-C4D-ND	2.80	114.76	110.24
14	d	201	CLA	CED-O2D-CGD	2.80	122.26	115.94
14	H	805	CLA	C1-O2A-CGA	2.80	123.78	116.44
14	H	825	CLA	C3C-C4C-NC	2.80	113.71	110.57
14	A	825	CLA	CMD-C2D-C3D	-2.80	121.18	127.61
17	h	202	BCR	C30-C25-C26	-2.80	118.68	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	808	CLA	C3C-C4C-NC	2.80	113.71	110.57
14	Z	817	CLA	C1-O2A-CGA	2.80	123.78	116.44
14	Y	802	CLA	CBC-CAC-C3C	-2.80	104.72	112.43
14	G	816	CLA	CMC-C2C-C1C	2.79	129.29	125.04
14	Y	802	CLA	CED-O2D-CGD	2.79	122.26	115.94
14	B	833	CLA	CAC-C3C-C4C	2.79	128.44	124.81
14	H	816	CLA	CAC-C3C-C4C	2.79	128.44	124.81
17	Y	847	BCR	C7-C8-C9	-2.79	122.01	126.23
14	G	826	CLA	O1D-CGD-CBD	-2.79	118.77	124.48
14	H	816	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	H	839	CLA	CAC-C3C-C4C	2.79	128.43	124.81
14	Y	813	CLA	CAC-C3C-C4C	2.79	128.43	124.81
14	G	839	CLA	C4A-NA-C1A	2.79	107.96	106.71
14	Y	806	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	B	825	CLA	CHD-C4C-C3C	-2.79	120.74	124.84
14	A	838	CLA	C1-C2-C3	-2.79	122.24	126.75
14	J	102	CLA	CAC-C3C-C4C	2.79	128.43	124.81
14	B	807	CLA	CHC-C1C-C2C	-2.79	119.00	126.72
14	A	815	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	d	202	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	B	836	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	B	805	CLA	CAA-C2A-C3A	-2.79	105.14	112.78
14	A	804	CLA	C4D-C3D-CAD	2.79	111.38	108.10
14	Z	832	CLA	O1D-CGD-CBD	-2.79	118.78	124.48
14	B	802	CLA	C1-O2A-CGA	2.79	123.76	116.44
14	A	805	CLA	C3D-C4D-ND	2.79	114.75	110.24
14	A	828	CLA	C3D-C4D-ND	2.79	114.75	110.24
14	Z	834	CLA	C4D-C3D-CAD	2.79	111.38	108.10
14	H	808	CLA	O2A-C1-C2	2.79	115.96	108.64
14	L	202	CLA	CMA-C3A-C4A	2.79	119.26	111.77
14	A	832	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
14	B	814	CLA	C4D-C3D-CAD	2.79	111.38	108.10
17	H	850	BCR	C29-C30-C25	-2.78	106.19	110.48
14	H	834	CLA	O2A-CGA-CBA	2.78	122.98	114.03
14	U	1007	CLA	C3D-C4D-ND	2.78	114.74	110.24
14	S	1103	CLA	CMA-C3A-C4A	2.78	119.25	111.77
14	B	806	CLA	C6-C5-C3	-2.78	106.16	113.45
14	A	817	CLA	C4D-C3D-CAD	2.78	111.38	108.10
14	H	829	CLA	C3D-C4D-ND	2.78	114.74	110.24
17	Z	846	BCR	C40-C30-C25	2.78	114.81	110.30
14	Y	832	CLA	CHC-C1C-C2C	-2.78	119.03	126.72
14	A	807	CLA	C3D-C4D-ND	2.78	114.73	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	811	CLA	CAA-C2A-C1A	2.78	121.08	111.97
14	Z	816	CLA	CHB-C4A-NA	2.78	128.35	124.51
14	Y	841	CLA	C1-C2-C3	-2.78	121.24	126.04
14	Z	839	CLA	C3D-C4D-ND	2.78	114.73	110.24
14	Z	818	CLA	C4-C3-C2	-2.78	116.55	123.68
14	H	827	CLA	C3D-C4D-ND	2.78	114.73	110.24
14	H	822	CLA	C3C-C4C-NC	2.78	113.68	110.57
14	Z	816	CLA	C3C-C4C-NC	2.78	113.68	110.57
17	i	101	BCR	C30-C25-C26	-2.78	118.70	122.61
14	j	102	CLA	CHC-C1C-C2C	-2.78	119.04	126.72
14	A	826	CLA	CHC-C1C-C2C	-2.77	119.05	126.72
14	H	828	CLA	O2A-CGA-CBA	2.77	120.61	111.91
14	Z	823	CLA	CAC-C3C-C4C	2.77	128.41	124.81
14	Z	804	CLA	CMC-C2C-C1C	2.77	129.26	125.04
14	G	834	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	Y	830	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	G	853	CLA	CMD-C2D-C3D	-2.77	121.24	127.61
17	Y	844	BCR	C12-C13-C14	2.77	123.19	118.94
14	B	823	CLA	C3D-C4D-ND	2.77	114.72	110.24
14	H	814	CLA	CHC-C1C-C2C	-2.77	119.05	126.72
14	G	814	CLA	CAA-CBA-CGA	-2.77	105.15	113.25
14	Y	835	CLA	C3D-C4D-ND	2.77	114.72	110.24
14	Z	802	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	G	818	CLA	CAC-C3C-C4C	2.77	128.41	124.81
14	B	823	CLA	CHD-C1D-ND	-2.77	121.91	124.45
14	H	819	CLA	C3D-C4D-ND	2.77	114.72	110.24
14	A	831	CLA	C16-C15-C13	-2.77	106.97	115.92
14	Y	838	CLA	C1-O2A-CGA	2.77	123.71	116.44
17	d	203	BCR	C34-C9-C8	2.77	122.44	118.08
14	A	809	CLA	C3D-C4D-ND	2.77	114.72	110.24
14	A	831	CLA	CHC-C1C-C2C	-2.77	119.06	126.72
15	Z	842	PQN	C2M-C2-C1	2.77	120.86	116.27
14	A	822	CLA	CMC-C2C-C1C	2.77	129.25	125.04
14	K	102	CLA	C3C-C4C-NC	2.77	113.67	110.57
14	H	810	CLA	CHD-C1D-C2D	-2.77	119.67	125.48
14	G	819	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	Y	810	CLA	CMA-C3A-C4A	2.77	119.21	111.77
14	G	805	CLA	CED-O2D-CGD	2.77	122.20	115.94
14	Y	838	CLA	C3D-C4D-ND	2.77	114.71	110.24
13	G	801	CL0	C4-C3-C2	-2.77	116.58	123.68
14	Z	824	CLA	C1-O2A-CGA	2.76	123.70	116.44
14	h	204	CLA	CMC-C2C-C1C	2.76	129.25	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	841	CLA	CMA-C3A-C4A	2.76	119.20	111.77
14	G	820	CLA	C4D-C3D-CAD	2.76	111.35	108.10
14	h	204	CLA	O2D-CGD-CBD	2.76	116.18	111.27
14	G	805	CLA	CHD-C4C-C3C	-2.76	120.78	124.84
14	g	101	CLA	CMA-C3A-C4A	2.76	119.19	111.77
14	G	830	CLA	OBD-CAD-C3D	-2.76	121.88	128.52
14	Y	837	CLA	O2A-CGA-CBA	2.76	120.57	111.91
14	f	101	CLA	O2A-CGA-CBA	2.76	122.89	114.03
14	B	829	CLA	CAA-C2A-C3A	-2.76	105.22	112.78
17	Y	849	BCR	C30-C25-C24	2.76	123.58	115.78
14	H	818	CLA	CMC-C2C-C1C	2.76	129.24	125.04
14	S	1102	CLA	CMB-C2B-C3B	2.76	129.84	124.68
14	B	805	CLA	CHB-C4A-NA	2.76	128.32	124.51
14	A	817	CLA	CMD-C2D-C3D	-2.76	121.27	127.61
14	U	1002	CLA	C3C-C4C-NC	2.76	113.66	110.57
14	U	1007	CLA	C3C-C4C-NC	2.76	113.66	110.57
17	H	843	BCR	C7-C8-C9	-2.76	122.07	126.23
14	Z	806	CLA	C3D-C4D-ND	2.75	114.69	110.24
14	H	826	CLA	OBD-CAD-C3D	-2.75	121.89	128.52
17	V	101	BCR	C38-C26-C27	2.75	118.91	113.62
14	B	840	CLA	O2A-CGA-O1A	-2.75	116.64	123.59
14	H	840	CLA	C3D-C4D-ND	2.75	114.69	110.24
17	Q	201	BCR	C24-C25-C26	2.75	128.13	121.46
14	B	824	CLA	C4D-C3D-CAD	2.75	111.34	108.10
14	G	802	CLA	CHC-C1C-C2C	-2.75	119.11	126.72
14	L	204	CLA	CMD-C2D-C3D	-2.75	121.28	127.61
17	L	208	BCR	C33-C5-C4	2.75	118.90	113.62
14	B	834	CLA	C4D-C3D-CAD	2.75	111.34	108.10
14	Y	826	CLA	CMB-C2B-C3B	2.75	129.83	124.68
14	G	819	CLA	CHC-C1C-C2C	-2.75	119.11	126.72
17	L	207	BCR	C36-C18-C19	-2.75	113.74	118.08
14	Z	833	CLA	CMA-C3A-C4A	2.75	119.17	111.77
14	Y	819	CLA	C4D-C3D-CAD	2.75	111.34	108.10
14	A	832	CLA	C3D-C4D-ND	2.75	114.69	110.24
14	A	820	CLA	CMA-C3A-C4A	2.75	119.16	111.77
18	G	851	LHG	O8-C23-C24	2.75	120.53	111.91
14	A	830	CLA	CMB-C2B-C3B	2.75	129.82	124.68
17	B	850	BCR	C7-C8-C9	-2.75	122.08	126.23
17	d	203	BCR	C8-C7-C6	-2.75	119.49	127.20
17	L	208	BCR	C32-C1-C6	2.75	114.75	110.30
14	Y	839	CLA	CMA-C3A-C4A	2.74	119.15	111.77
17	e	101	BCR	C35-C13-C14	-2.74	119.08	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	805	CLA	CMA-C3A-C4A	2.74	119.15	111.77
14	U	1002	CLA	CAC-C3C-C4C	2.74	128.37	124.81
14	H	808	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	G	836	CLA	CMC-C2C-C1C	2.74	129.21	125.04
14	A	814	CLA	CHC-C1C-C2C	-2.74	119.14	126.72
14	Y	817	CLA	C3C-C4C-NC	2.74	113.64	110.57
14	H	825	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	B	811	CLA	CMB-C2B-C3B	2.74	129.80	124.68
14	U	1007	CLA	C1-O2A-CGA	2.74	123.63	116.44
14	B	810	CLA	CMB-C2B-C3B	2.74	129.80	124.68
14	A	826	CLA	C3D-C4D-ND	2.74	114.67	110.24
14	Z	814	CLA	C1D-CHD-C4C	-2.74	120.15	126.06
14	G	809	CLA	C4D-C3D-CAD	2.74	111.32	108.10
14	Z	828	CLA	C4D-C3D-CAD	2.74	111.32	108.10
14	Z	804	CLA	CBC-CAC-C3C	-2.74	104.89	112.43
14	Z	811	CLA	OBD-CAD-C3D	-2.74	121.94	128.52
14	B	804	CLA	CMD-C2D-C3D	-2.74	121.32	127.61
17	L	207	BCR	C28-C27-C26	-2.74	109.19	114.08
17	Z	847	BCR	C38-C26-C25	-2.73	121.46	124.53
14	H	836	CLA	CHD-C1D-ND	-2.73	121.94	124.45
14	H	803	CLA	CMD-C2D-C3D	-2.73	121.33	127.61
14	H	828	CLA	C3D-C4D-ND	2.73	114.66	110.24
14	Z	810	CLA	CED-O2D-CGD	2.73	122.12	115.94
17	Z	850	BCR	C39-C30-C25	-2.73	105.87	110.30
14	F	202	CLA	CHD-C4C-C3C	-2.73	120.82	124.84
14	H	801	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	B	802	CLA	C4C-C3C-C2C	-2.73	102.92	106.90
14	Y	823	CLA	CMD-C2D-C3D	-2.73	121.33	127.61
17	Q	201	BCR	C27-C26-C25	-2.73	118.77	122.73
14	Y	834	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	A	821	CLA	C5-C3-C2	-2.73	115.59	121.12
14	B	808	CLA	CMB-C2B-C3B	2.73	129.79	124.68
14	A	812	CLA	C3D-C4D-ND	2.73	114.65	110.24
14	B	810	CLA	C3D-C4D-ND	2.73	114.65	110.24
14	U	1006	CLA	CMA-C3A-C4A	2.73	119.11	111.77
14	H	809	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	Z	822	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	G	817	CLA	CMD-C2D-C3D	-2.73	121.34	127.61
14	Z	815	CLA	CMD-C2D-C3D	-2.73	121.34	127.61
14	Q	202	CLA	OBD-CAD-C3D	-2.73	121.96	128.52
14	B	814	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
14	B	830	CLA	O1D-CGD-CBD	-2.73	118.90	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	836	CLA	C4D-C3D-CAD	2.73	111.31	108.10
17	H	847	BCR	C23-C24-C25	-2.73	119.54	127.20
17	B	843	BCR	C30-C25-C26	-2.73	118.77	122.61
17	Y	846	BCR	C30-C25-C26	-2.73	118.78	122.61
14	Y	828	CLA	C4A-NA-C1A	2.72	107.93	106.71
14	H	834	CLA	C4D-C3D-CAD	2.72	111.31	108.10
14	B	826	CLA	CMD-C2D-C3D	-2.72	121.35	127.61
14	G	836	CLA	C3D-C4D-ND	2.72	114.64	110.24
14	B	807	CLA	CMD-C2D-C3D	-2.72	121.35	127.61
14	Q	202	CLA	O2A-CGA-CBA	2.72	122.78	114.03
14	G	818	CLA	CMB-C2B-C3B	2.72	129.77	124.68
14	Y	841	CLA	CMB-C2B-C1B	-2.72	124.28	128.46
14	B	834	CLA	O2A-CGA-CBA	2.72	122.78	114.03
17	B	847	BCR	C30-C25-C26	-2.72	118.78	122.61
14	Z	803	CLA	C4D-C3D-CAD	2.72	111.31	108.10
14	Z	809	CLA	C3D-C4D-ND	2.72	114.64	110.24
13	A	801	CL0	O2A-C1-C2	2.72	115.79	108.64
17	G	847	BCR	C8-C7-C6	-2.72	119.56	127.20
14	A	829	CLA	CMB-C2B-C3B	2.72	129.77	124.68
14	G	817	CLA	C4-C3-C2	-2.72	116.70	123.68
14	H	809	CLA	CBC-CAC-C3C	-2.72	104.93	112.43
14	H	824	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	Z	805	CLA	CHC-C1C-C2C	-2.72	119.20	126.72
14	B	816	CLA	CMC-C2C-C1C	2.72	129.18	125.04
14	B	811	CLA	CMD-C2D-C3D	-2.72	121.36	127.61
14	B	822	CLA	CAC-C3C-C4C	2.72	128.34	124.81
14	B	820	CLA	C3D-C4D-ND	2.72	114.64	110.24
18	G	850	LHG	C5-O7-C7	-2.72	111.10	117.79
14	Z	832	CLA	CED-O2D-CGD	2.72	122.08	115.94
14	G	825	CLA	C3D-C4D-ND	2.72	114.63	110.24
14	H	802	CLA	C3D-C4D-ND	2.72	114.63	110.24
17	G	847	BCR	C28-C27-C26	-2.72	109.23	114.08
14	H	835	CLA	CMD-C2D-C3D	-2.72	121.37	127.61
17	Z	845	BCR	C7-C8-C9	-2.72	122.13	126.23
14	G	820	CLA	C3D-C4D-ND	2.72	114.63	110.24
14	H	834	CLA	CHC-C1C-C2C	-2.72	119.21	126.72
14	B	819	CLA	O1D-CGD-CBD	-2.71	118.93	124.48
14	H	807	CLA	CHB-C4A-NA	2.71	128.27	124.51
14	U	1006	CLA	C4-C3-C5	2.71	119.84	115.27
14	G	804	CLA	C3D-C4D-ND	2.71	114.63	110.24
14	H	824	CLA	C1-O2A-CGA	2.71	123.56	116.44
14	A	810	CLA	O2A-CGA-CBA	2.71	120.42	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	832	CLA	C1-C2-C3	-2.71	121.35	126.04
14	H	802	CLA	CBC-CAC-C3C	-2.71	104.95	112.43
14	Z	838	CLA	CBC-CAC-C3C	-2.71	104.95	112.43
14	G	816	CLA	CED-O2D-CGD	2.71	122.07	115.94
14	B	826	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	H	832	CLA	CMA-C3A-C4A	2.71	119.06	111.77
17	S	1104	BCR	C38-C26-C27	2.71	118.82	113.62
17	h	202	BCR	C23-C24-C25	-2.71	119.59	127.20
14	Z	807	CLA	C3C-C4C-NC	2.71	113.61	110.57
13	Y	801	CL0	CHC-C1C-C2C	-2.71	119.24	126.72
14	Z	806	CLA	CHC-C1C-C2C	-2.71	119.24	126.72
14	Y	819	CLA	CMD-C2D-C3D	-2.71	121.39	127.61
17	A	847	BCR	C31-C1-C6	-2.71	105.91	110.30
17	Y	845	BCR	C31-C1-C6	-2.71	105.91	110.30
14	B	829	CLA	C4D-C3D-CAD	2.71	111.28	108.10
19	H	848	LMG	O2-C2-C1	-2.71	103.47	110.05
14	U	1006	CLA	CMC-C2C-C1C	2.70	129.16	125.04
17	J	104	BCR	C7-C6-C5	-2.70	114.91	121.46
14	Y	837	CLA	C4D-C3D-CAD	2.70	111.28	108.10
14	T	101	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	Z	813	CLA	CHC-C1C-C2C	-2.70	119.25	126.72
14	Z	816	CLA	CAC-C3C-C2C	2.70	132.15	127.53
17	A	849	BCR	C30-C25-C24	2.70	123.42	115.78
14	Z	827	CLA	C1-C2-C3	-2.70	121.37	126.04
14	Z	811	CLA	O1D-CGD-CBD	-2.70	118.96	124.48
14	G	810	CLA	C3D-C4D-ND	2.70	114.61	110.24
14	H	835	CLA	CMA-C3A-C4A	2.70	119.03	111.77
14	Z	810	CLA	CMA-C3A-C4A	2.70	119.03	111.77
14	G	828	CLA	CMD-C2D-C3D	-2.70	121.40	127.61
14	G	813	CLA	C3D-C4D-ND	2.70	114.60	110.24
14	H	835	CLA	C4D-C3D-CAD	2.70	111.28	108.10
14	B	816	CLA	CED-O2D-CGD	2.70	122.04	115.94
14	G	807	CLA	CMD-C2D-C3D	-2.70	121.41	127.61
14	Z	837	CLA	CHD-C4C-C3C	-2.70	120.87	124.84
14	Z	818	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
17	A	849	BCR	C8-C7-C6	-2.70	119.63	127.20
14	B	801	CLA	C1-C2-C3	-2.70	121.38	126.04
17	H	845	BCR	C28-C27-C26	-2.70	109.26	114.08
14	H	826	CLA	CMA-C3A-C4A	2.70	119.02	111.77
14	G	813	CLA	C1-C2-C3	-2.70	121.38	126.04
17	Y	845	BCR	C27-C26-C25	-2.70	118.82	122.73
17	I	102	BCR	C36-C18-C19	-2.69	113.83	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	842	CLA	OBD-CAD-C3D	-2.69	122.04	128.52
14	A	842	CLA	CMD-C2D-C3D	-2.69	121.42	127.61
17	Z	846	BCR	C15-C14-C13	-2.69	123.44	127.30
18	A	853	LHG	O8-C23-C24	2.69	120.36	111.91
14	G	818	CLA	C1-O2A-CGA	2.69	123.51	116.44
17	F	201	BCR	C8-C7-C6	-2.69	119.64	127.20
14	B	801	CLA	CMD-C2D-C3D	-2.69	121.42	127.61
14	A	811	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
14	f	102	CLA	O1D-CGD-CBD	-2.69	118.98	124.48
14	H	833	CLA	CHB-C4A-NA	2.69	128.23	124.51
14	H	851	CLA	CMA-C3A-C4A	2.69	119.00	111.77
17	Y	847	BCR	C37-C22-C21	-2.69	119.16	122.92
14	G	809	CLA	C16-C15-C13	-2.69	107.23	115.92
14	L	202	CLA	CAA-C2A-C3A	-2.69	105.42	112.78
17	U	1008	BCR	C29-C30-C25	-2.69	106.34	110.48
14	Y	811	CLA	CED-O2D-CGD	2.69	122.02	115.94
15	B	841	PQN	C2M-C2-C1	2.69	120.72	116.27
17	L	208	BCR	C1-C6-C5	-2.69	118.83	122.61
14	Y	815	CLA	CMD-C2D-C3D	-2.69	121.43	127.61
14	G	812	CLA	C3D-C4D-ND	2.69	114.58	110.24
14	A	831	CLA	CHB-C4A-NA	2.69	128.23	124.51
14	h	201	CLA	C3C-C4C-NC	2.69	113.58	110.57
17	Y	846	BCR	C33-C5-C4	2.69	118.78	113.62
14	G	824	CLA	CMB-C2B-C3B	2.69	129.70	124.68
14	G	827	CLA	OBD-CAD-C3D	-2.69	122.06	128.52
14	Z	820	CLA	CED-O2D-CGD	2.68	122.01	115.94
14	H	812	CLA	C3D-C4D-ND	2.68	114.58	110.24
17	A	851	BCR	C30-C25-C24	2.68	123.37	115.78
14	Z	833	CLA	CAA-CBA-CGA	-2.68	105.41	113.25
17	H	847	BCR	C33-C5-C6	-2.68	121.51	124.53
14	Z	834	CLA	CMD-C2D-C3D	-2.68	121.44	127.61
14	Z	831	CLA	C4D-C3D-CAD	2.68	111.26	108.10
14	A	815	CLA	CMC-C2C-C1C	2.68	129.13	125.04
14	H	830	CLA	CAA-C2A-C3A	-2.68	105.43	112.78
14	Z	808	CLA	C4D-C3D-CAD	2.68	111.26	108.10
14	Y	837	CLA	CMD-C2D-C3D	-2.68	121.44	127.61
19	Z	849	LMG	O8-C28-C29	2.68	120.33	111.91
14	H	802	CLA	C4D-C3D-CAD	2.68	111.26	108.10
14	Y	810	CLA	O2A-CGA-CBA	2.68	122.65	114.03
14	Z	832	CLA	C3D-C4D-ND	2.68	114.57	110.24
14	H	833	CLA	CHC-C1C-C2C	-2.68	119.31	126.72
14	U	1002	CLA	CHC-C1C-C2C	-2.68	119.31	126.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	843	BCR	C23-C24-C25	-2.68	119.68	127.20
14	Y	829	CLA	C4D-C3D-CAD	2.68	111.25	108.10
14	H	836	CLA	C4C-C3C-C2C	-2.68	102.99	106.90
14	Y	824	CLA	C3D-C4D-ND	2.68	114.57	110.24
14	H	809	CLA	CHB-C4A-NA	2.68	128.22	124.51
17	G	849	BCR	C30-C25-C24	2.68	123.36	115.78
14	f	102	CLA	CMA-C3A-C4A	2.68	118.97	111.77
14	U	1006	CLA	C4D-C3D-CAD	2.68	111.25	108.10
14	G	835	CLA	C3D-C4D-ND	2.68	114.57	110.24
14	H	834	CLA	CED-O2D-CGD	2.68	121.99	115.94
14	A	806	CLA	CHC-C1C-C2C	-2.68	119.32	126.72
17	H	850	BCR	C7-C8-C9	-2.68	122.19	126.23
14	A	843	CLA	O2D-CGD-O1D	-2.68	118.61	123.84
14	A	835	CLA	OBD-CAD-C3D	-2.68	122.08	128.52
17	R	101	BCR	C36-C18-C17	-2.68	119.17	122.92
18	Y	851	LHG	O8-C23-C24	2.67	120.30	111.91
17	B	850	BCR	C2-C1-C6	2.67	114.60	110.48
14	Y	830	CLA	C3C-C4C-NC	2.67	113.57	110.57
14	Y	807	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
14	Y	840	CLA	CMB-C2B-C3B	2.67	129.68	124.68
14	A	839	CLA	CMA-C3A-C4A	2.67	118.95	111.77
14	G	825	CLA	O2A-C1-C2	2.67	115.66	108.64
17	G	845	BCR	C33-C5-C6	-2.67	121.53	124.53
14	A	819	CLA	CMC-C2C-C1C	2.67	129.11	125.04
14	H	827	CLA	CAC-C3C-C4C	2.67	128.27	124.81
14	U	1002	CLA	CHB-C4A-NA	2.67	128.20	124.51
14	H	825	CLA	C4-C3-C2	-2.67	116.83	123.68
14	A	823	CLA	CHC-C1C-C2C	-2.67	119.34	126.72
14	A	838	CLA	O1D-CGD-CBD	-2.67	119.03	124.48
14	H	836	CLA	C3D-C4D-ND	2.67	114.55	110.24
14	Y	813	CLA	C3D-C4D-ND	2.67	114.55	110.24
14	A	843	CLA	C3C-C4C-NC	2.67	113.56	110.57
14	T	103	CLA	C3C-C4C-NC	2.67	113.56	110.57
14	G	813	CLA	O2D-CGD-O1D	-2.67	118.63	123.84
14	G	811	CLA	C4D-C3D-CAD	2.66	111.24	108.10
14	B	819	CLA	C3D-C4D-ND	2.66	114.55	110.24
14	G	814	CLA	CHA-C1A-NA	-2.66	120.30	126.40
14	B	808	CLA	CMC-C2C-C1C	2.66	129.10	125.04
14	B	815	CLA	CHC-C1C-C2C	-2.66	119.35	126.72
14	G	832	CLA	C1-O2A-CGA	2.66	123.43	116.44
15	B	841	PQN	O4-C4-C5	-2.66	117.25	121.56
14	Z	828	CLA	C3D-C4D-ND	2.66	114.55	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	1007	CLA	O1D-CGD-CBD	-2.66	119.04	124.48
14	K	102	CLA	O2A-CGA-CBA	2.66	122.58	114.03
17	e	101	BCR	C40-C30-C25	-2.66	105.98	110.30
14	B	830	CLA	O2A-CGA-CBA	2.66	122.58	114.03
14	A	810	CLA	CMD-C2D-C3D	-2.66	121.49	127.61
17	R	102	BCR	C3-C4-C5	-2.66	109.33	114.08
17	Z	845	BCR	C23-C24-C25	-2.66	119.73	127.20
17	U	1009	BCR	C33-C5-C4	2.66	118.72	113.62
14	G	831	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	A	820	CLA	C1-O2A-CGA	2.66	123.42	116.44
14	A	815	CLA	C3C-C4C-NC	2.66	113.55	110.57
14	G	837	CLA	CMD-C2D-C3D	-2.66	121.50	127.61
17	H	843	BCR	C2-C1-C6	-2.66	106.39	110.48
14	Y	817	CLA	CMB-C2B-C3B	2.66	129.65	124.68
14	A	838	CLA	O2A-C1-C2	2.66	115.62	108.64
17	G	848	BCR	C40-C30-C25	2.66	114.61	110.30
14	Y	820	CLA	C3D-C4D-ND	2.66	114.54	110.24
14	h	205	CLA	CHC-C1C-C2C	-2.66	119.37	126.72
14	G	833	CLA	C11-C10-C8	-2.66	107.33	115.92
14	H	835	CLA	C3D-C4D-ND	2.66	114.53	110.24
14	B	810	CLA	C3C-C4C-NC	2.66	113.55	110.57
14	H	830	CLA	C3C-C4C-NC	2.66	113.55	110.57
14	B	837	CLA	CHD-C4C-C3C	-2.66	120.94	124.84
14	H	822	CLA	CMD-C2D-C3D	-2.66	121.50	127.61
14	Y	837	CLA	CAC-C3C-C4C	2.65	128.25	124.81
14	H	818	CLA	CMA-C3A-C4A	2.65	118.91	111.77
14	H	809	CLA	C6-C7-C8	-2.65	107.34	115.92
17	Y	853	BCR	C39-C30-C25	-2.65	106.00	110.30
14	H	838	CLA	C4D-C3D-CAD	2.65	111.22	108.10
14	B	826	CLA	O2D-CGD-CBD	2.65	115.98	111.27
14	Z	829	CLA	O2D-CGD-O1D	-2.65	118.65	123.84
14	B	838	CLA	CAC-C3C-C4C	2.65	128.25	124.81
14	U	1006	CLA	O1D-CGD-CBD	-2.65	119.06	124.48
14	A	822	CLA	C3C-C4C-NC	2.65	113.54	110.57
14	Y	807	CLA	C4D-C3D-CAD	2.65	111.22	108.10
14	A	815	CLA	C1-O2A-CGA	2.65	123.40	116.44
14	H	811	CLA	O2A-CGA-CBA	2.65	120.22	111.91
14	Z	832	CLA	C4D-C3D-CAD	2.65	111.22	108.10
17	Z	845	BCR	C35-C13-C14	-2.65	119.21	122.92
14	H	804	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
17	Z	848	BCR	C38-C26-C25	2.65	127.50	124.53
14	B	811	CLA	CED-O2D-CGD	2.65	121.92	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	836	CLA	C4D-C3D-CAD	2.65	111.22	108.10
14	G	809	CLA	C4A-NA-C1A	2.65	107.90	106.71
14	Z	833	CLA	CMD-C2D-C3D	-2.65	121.53	127.61
17	G	845	BCR	C32-C1-C6	2.65	114.59	110.30
14	f	101	CLA	CHB-C4A-NA	2.65	128.17	124.51
17	Y	848	BCR	C36-C18-C19	-2.65	113.91	118.08
14	h	204	CLA	CGD-CBD-CAD	-2.64	102.17	110.73
14	U	1007	CLA	C1-C2-C3	-2.64	121.47	126.04
14	Z	836	CLA	O1D-CGD-CBD	-2.64	119.08	124.48
14	G	816	CLA	CHC-C1C-C2C	-2.64	119.41	126.72
14	A	826	CLA	CED-O2D-CGD	2.64	121.91	115.94
17	V	101	BCR	C15-C14-C13	-2.64	123.54	127.31
14	A	833	CLA	C4-C3-C5	2.64	119.71	115.27
14	B	816	CLA	CMB-C2B-C3B	2.64	129.62	124.68
14	G	818	CLA	CAA-CBA-CGA	-2.64	105.54	113.25
14	g	101	CLA	CMD-C2D-C3D	-2.64	121.54	127.61
14	B	830	CLA	CMB-C2B-C3B	2.64	129.62	124.68
17	B	846	BCR	C39-C30-C25	-2.64	106.02	110.30
14	H	840	CLA	CMA-C3A-C4A	2.64	118.86	111.77
17	U	1005	BCR	C27-C26-C25	-2.64	118.90	122.73
14	Z	829	CLA	CED-O2D-CGD	2.64	121.90	115.94
14	A	812	CLA	CMC-C2C-C1C	2.64	129.06	125.04
14	Y	830	CLA	C3D-C4D-ND	2.64	114.50	110.24
14	G	834	CLA	C3C-C4C-NC	2.64	113.53	110.57
14	G	840	CLA	CHB-C4A-NA	2.64	128.16	124.51
17	B	850	BCR	C27-C26-C25	-2.64	118.90	122.73
14	G	825	CLA	CHC-C1C-C2C	-2.64	119.43	126.72
17	G	846	BCR	C38-C26-C25	-2.64	121.57	124.53
14	Y	820	CLA	CMA-C3A-C4A	2.64	118.86	111.77
14	A	830	CLA	CHC-C1C-C2C	-2.64	119.43	126.72
14	B	805	CLA	CMD-C2D-C3D	-2.64	121.55	127.61
14	X	1701	CLA	C3D-C4D-ND	2.63	114.50	110.24
14	Y	812	CLA	C3D-C4D-ND	2.63	114.50	110.24
14	H	810	CLA	C4C-C3C-C2C	-2.63	103.06	106.90
14	B	832	CLA	CED-O2D-CGD	2.63	121.90	115.94
17	S	1105	BCR	C15-C14-C13	-2.63	123.55	127.31
14	G	806	CLA	C3C-C4C-NC	2.63	113.53	110.57
14	B	827	CLA	CMD-C2D-C3D	-2.63	121.56	127.61
14	Z	840	CLA	O2D-CGD-CBD	2.63	115.95	111.27
14	B	837	CLA	CMA-C3A-C4A	2.63	118.85	111.77
14	A	839	CLA	CMB-C2B-C3B	2.63	129.60	124.68
14	A	822	CLA	CED-O2D-CGD	2.63	121.89	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	U	1009	BCR	C2-C1-C6	-2.63	106.43	110.48
14	H	827	CLA	C4C-C3C-C2C	-2.63	103.06	106.90
14	K	101	CLA	CMA-C3A-C4A	2.63	118.84	111.77
14	L	201	CLA	CAC-C3C-C4C	2.63	128.22	124.81
14	G	814	CLA	C1-C2-C3	-2.63	122.50	126.75
14	W	1701	CLA	C3D-C4D-ND	2.63	114.49	110.24
14	Z	822	CLA	C3D-C4D-ND	2.63	114.49	110.24
14	Y	839	CLA	C3C-C4C-NC	2.63	113.52	110.57
14	Y	837	CLA	CMA-C3A-C4A	2.63	118.84	111.77
14	B	831	CLA	CAC-C3C-C2C	2.63	132.03	127.53
14	A	839	CLA	C1-C2-C3	-2.63	121.50	126.04
17	L	208	BCR	C7-C8-C9	-2.63	122.26	126.23
14	Z	806	CLA	C4D-C3D-CAD	2.63	111.19	108.10
17	H	847	BCR	C23-C22-C21	2.63	122.97	118.94
17	G	846	BCR	C36-C18-C19	-2.63	113.94	118.08
14	H	825	CLA	CED-O2D-CGD	2.63	121.88	115.94
14	H	826	CLA	C3D-C4D-ND	2.63	114.49	110.24
14	A	814	CLA	O1D-CGD-CBD	-2.63	119.11	124.48
14	Z	840	CLA	CAC-C3C-C4C	2.63	128.22	124.81
14	G	834	CLA	C4-C3-C5	2.63	119.69	115.27
14	Z	812	CLA	CAC-C3C-C4C	2.63	128.22	124.81
14	G	828	CLA	C3D-C4D-ND	2.63	114.48	110.24
14	A	827	CLA	C1-O2A-CGA	2.62	123.33	116.44
14	B	820	CLA	CMA-C3A-C4A	2.62	118.83	111.77
14	B	809	CLA	C1D-CHD-C4C	-2.62	120.40	126.06
14	L	202	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
14	H	819	CLA	CED-O2D-CGD	2.62	121.87	115.94
14	G	832	CLA	C3D-C4D-ND	2.62	114.48	110.24
14	Y	824	CLA	O1D-CGD-CBD	-2.62	119.12	124.48
14	Y	824	CLA	C4D-C3D-CAD	2.62	111.19	108.10
14	A	836	CLA	C1-O2A-CGA	2.62	123.32	116.44
17	I	101	BCR	C7-C8-C9	-2.62	122.28	126.23
14	Y	802	CLA	CMC-C2C-C1C	2.62	129.03	125.04
14	Z	831	CLA	C3C-C4C-NC	2.62	113.51	110.57
17	H	846	BCR	C7-C8-C9	-2.62	122.28	126.23
14	G	813	CLA	C4D-C3D-CAD	2.62	111.18	108.10
17	Z	843	BCR	C3-C4-C5	-2.62	109.40	114.08
14	A	832	CLA	OBD-CAD-C3D	-2.62	122.22	128.52
17	Y	848	BCR	C39-C30-C25	-2.62	106.05	110.30
14	A	828	CLA	CMC-C2C-C1C	2.62	129.03	125.04
14	G	811	CLA	CMC-C2C-C1C	2.62	129.03	125.04
14	A	802	CLA	CGD-CBD-CAD	2.62	119.22	110.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	834	CLA	C1-O2A-CGA	2.62	123.31	116.44
14	B	810	CLA	CED-O2D-CGD	2.62	121.86	115.94
17	Z	844	BCR	C37-C22-C23	2.62	122.20	118.08
14	Y	833	CLA	C3C-C4C-NC	2.62	113.51	110.57
14	A	809	CLA	C6-C5-C3	-2.62	106.59	113.45
14	B	827	CLA	C1-C2-C3	-2.62	121.52	126.04
14	H	835	CLA	CED-O2D-CGD	2.62	121.86	115.94
14	B	804	CLA	CHC-C1C-C2C	-2.62	119.48	126.72
17	H	842	BCR	C32-C1-C6	-2.62	106.06	110.30
14	Z	801	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	Z	807	CLA	CMC-C2C-C1C	2.62	129.02	125.04
14	G	811	CLA	CMD-C2D-C3D	-2.61	121.60	127.61
17	L	207	BCR	C38-C26-C25	-2.61	121.59	124.53
14	g	101	CLA	CAD-CBD-CHA	-2.61	102.19	105.14
14	B	809	CLA	C1-O2A-CGA	2.61	123.30	116.44
17	Z	844	BCR	C38-C26-C27	2.61	118.64	113.62
17	H	842	BCR	C27-C26-C25	-2.61	118.94	122.73
14	B	835	CLA	C4D-C3D-CAD	2.61	111.17	108.10
17	S	1105	BCR	C1-C6-C7	2.61	123.17	115.78
14	G	814	CLA	CHB-C4A-NA	2.61	128.12	124.51
14	Z	824	CLA	CHC-C1C-C2C	-2.61	119.50	126.72
17	G	847	BCR	C24-C23-C22	-2.61	122.29	126.23
14	G	838	CLA	CMA-C3A-C4A	2.61	118.79	111.77
14	B	836	CLA	CED-O2D-CGD	2.61	121.84	115.94
14	Y	828	CLA	C3C-C4C-NC	2.61	113.50	110.57
14	G	829	CLA	CED-O2D-CGD	2.61	121.84	115.94
14	G	841	CLA	C3D-C4D-ND	2.61	114.46	110.24
14	B	825	CLA	CHD-C1D-ND	-2.61	122.06	124.45
14	A	818	CLA	CMD-C2D-C3D	-2.61	121.61	127.61
14	B	826	CLA	CAC-C3C-C4C	2.61	128.19	124.81
14	H	838	CLA	CHC-C1C-C2C	-2.61	119.51	126.72
14	h	204	CLA	C3C-C4C-NC	2.61	113.50	110.57
14	A	813	CLA	C3D-C4D-ND	2.61	114.45	110.24
14	Z	805	CLA	O2A-CGA-CBA	2.61	120.08	111.91
17	H	850	BCR	C36-C18-C19	-2.61	113.97	118.08
14	Z	822	CLA	CMA-C3A-C4A	2.60	118.77	111.77
14	B	830	CLA	CHD-C1D-ND	-2.60	122.06	124.45
14	A	829	CLA	CED-O2D-CGD	2.60	121.83	115.94
14	B	833	CLA	CMD-C2D-C3D	-2.60	121.63	127.61
14	B	826	CLA	O2A-C1-C2	2.60	115.48	108.64
14	G	839	CLA	O2A-CGA-CBA	2.60	120.07	111.91
14	B	806	CLA	CMC-C2C-C1C	2.60	129.00	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	829	CLA	CMA-C3A-C4A	2.60	118.76	111.77
14	Z	815	CLA	C1-O2A-CGA	2.60	123.27	116.44
14	X	1701	CLA	CAC-C3C-C4C	2.60	128.18	124.81
14	H	812	CLA	CHC-C1C-C2C	-2.60	119.53	126.72
14	G	814	CLA	CMD-C2D-C3D	-2.60	121.64	127.61
14	H	805	CLA	C3C-C4C-NC	2.60	113.48	110.57
15	H	841	PQN	C11-C12-C13	-2.60	122.47	126.79
14	G	824	CLA	C4D-C3D-CAD	2.60	111.16	108.10
14	H	813	CLA	CHC-C1C-C2C	-2.60	119.54	126.72
17	B	850	BCR	C38-C26-C27	2.60	118.61	113.62
14	G	827	CLA	CMA-C3A-C4A	2.60	118.75	111.77
14	H	820	CLA	CHC-C1C-C2C	-2.60	119.54	126.72
14	A	829	CLA	C3D-C4D-ND	2.60	114.44	110.24
14	H	819	CLA	C4-C3-C5	2.60	119.64	115.27
14	A	841	CLA	CMB-C2B-C3B	2.60	129.54	124.68
14	B	837	CLA	OBD-CAD-C3D	-2.60	122.27	128.52
14	A	827	CLA	C4-C3-C5	2.60	119.64	115.27
14	H	824	CLA	C3D-C4D-ND	2.60	114.44	110.24
14	B	839	CLA	CMB-C2B-C3B	2.60	129.53	124.68
14	Z	822	CLA	O1D-CGD-CBD	-2.60	119.17	124.48
17	A	850	BCR	C39-C30-C25	-2.60	106.09	110.30
14	Z	824	CLA	CMB-C2B-C3B	2.59	129.53	124.68
14	Z	808	CLA	CMD-C2D-C3D	-2.59	121.64	127.61
14	B	832	CLA	CMA-C3A-C4A	2.59	118.75	111.77
14	Z	818	CLA	C3D-C4D-ND	2.59	114.43	110.24
14	Z	808	CLA	O1D-CGD-CBD	-2.59	119.18	124.48
14	G	822	CLA	C4-C3-C5	2.59	119.63	115.27
14	A	841	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	f	102	CLA	C3D-C4D-ND	2.59	114.43	110.24
14	U	1007	CLA	C4D-C3D-CAD	2.59	111.15	108.10
14	A	829	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
14	A	820	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	G	811	CLA	CAA-CBA-CGA	2.59	120.83	113.25
17	T	102	BCR	C38-C26-C27	2.59	118.59	113.62
14	Z	801	CLA	C3C-C4C-NC	2.59	113.48	110.57
17	L	208	BCR	C15-C14-C13	-2.59	123.61	127.31
14	J	102	CLA	C3D-C4D-ND	2.59	114.43	110.24
14	f	102	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	Y	827	CLA	C4D-C3D-CAD	2.59	111.15	108.10
14	Y	831	CLA	C1-O2A-CGA	2.59	123.24	116.44
14	B	820	CLA	CHC-C1C-C2C	-2.59	119.56	126.72
14	H	828	CLA	CHC-C1C-C2C	-2.59	119.56	126.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	801	CLA	C3D-C4D-ND	2.59	114.43	110.24
14	A	819	CLA	CAA-CBA-CGA	-2.59	105.69	113.25
14	Z	832	CLA	O2A-CGA-CBA	2.59	122.35	114.03
14	G	804	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	A	814	CLA	CMC-C2C-C3C	2.59	133.14	126.12
13	G	801	CL0	C1D-ND-C4D	-2.59	104.50	106.33
14	Q	202	CLA	CMC-C2C-C1C	2.59	128.98	125.04
14	Z	805	CLA	CAC-C3C-C2C	-2.58	123.11	127.53
14	B	804	CLA	CBC-CAC-C3C	-2.58	105.31	112.43
14	H	851	CLA	C4C-C3C-C2C	-2.58	103.13	106.90
14	G	818	CLA	C1-C2-C3	-2.58	121.57	126.04
13	Y	801	CL0	CHB-C4A-NA	2.58	128.09	124.51
14	G	853	CLA	C4D-C3D-CAD	2.58	111.14	108.10
14	Z	805	CLA	C3D-C4D-ND	2.58	114.42	110.24
14	G	832	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
14	G	807	CLA	C4C-C3C-C2C	-2.58	103.13	106.90
14	U	1004	CLA	CMC-C2C-C1C	2.58	128.97	125.04
14	B	833	CLA	CAA-C2A-C3A	-2.58	105.71	112.78
14	Z	825	CLA	C3D-C4D-ND	2.58	114.41	110.24
14	Y	837	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
14	A	833	CLA	O2A-C1-C2	2.58	115.42	108.64
14	A	831	CLA	CMB-C2B-C3B	2.58	129.51	124.68
17	A	849	BCR	C29-C30-C25	-2.58	106.51	110.48
14	A	823	CLA	CHB-C4A-NA	2.58	128.08	124.51
19	B	848	LMG	C4-C3-C2	-2.58	106.32	110.82
14	G	823	CLA	CMC-C2C-C1C	2.58	128.97	125.04
14	S	1103	CLA	C1-O2A-CGA	2.58	123.21	116.44
14	Y	818	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	A	821	CLA	CMC-C2C-C1C	2.58	128.97	125.04
14	Y	815	CLA	C4D-C3D-CAD	2.58	111.14	108.10
14	A	836	CLA	C3D-C4D-ND	2.58	114.41	110.24
14	A	805	CLA	CMC-C2C-C1C	2.58	128.96	125.04
14	B	840	CLA	O2A-C1-C2	2.58	115.40	108.64
14	Y	823	CLA	C4D-C3D-CAD	2.58	111.13	108.10
14	A	838	CLA	CAC-C3C-C4C	2.57	128.15	124.81
14	B	803	CLA	C3D-C4D-ND	2.57	114.40	110.24
14	H	806	CLA	O2D-CGD-CBD	2.57	115.84	111.27
14	G	826	CLA	O2A-CGA-CBA	2.57	119.98	111.91
17	G	847	BCR	C33-C5-C4	2.57	118.56	113.62
14	A	838	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	U	1006	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	Y	831	CLA	CHB-C4A-NA	2.57	128.07	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	839	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
14	G	833	CLA	C3D-C4D-ND	2.57	114.39	110.24
14	G	852	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	Y	819	CLA	O1D-CGD-CBD	-2.57	119.23	124.48
17	T	102	BCR	C30-C25-C24	2.57	123.05	115.78
14	G	822	CLA	CMA-C3A-C4A	2.57	118.68	111.77
14	h	206	CLA	CMD-C2D-C3D	-2.57	121.70	127.61
14	G	836	CLA	CMD-C2D-C3D	-2.57	121.71	127.61
14	H	834	CLA	CMD-C2D-C3D	-2.57	121.71	127.61
14	Y	805	CLA	O2A-CGA-CBA	2.57	119.97	111.91
14	H	831	CLA	CBC-CAC-C3C	-2.57	105.35	112.43
14	A	838	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
17	B	842	BCR	C33-C5-C4	2.57	118.55	113.62
14	G	825	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	Z	833	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	Y	805	CLA	C4D-CHA-C1A	2.57	124.37	121.25
14	H	829	CLA	C6-C5-C3	-2.57	106.73	113.45
14	H	817	CLA	CMD-C2D-C3D	-2.57	121.71	127.61
17	A	851	BCR	C36-C18-C17	2.57	126.52	122.92
14	G	829	CLA	CMD-C2D-C3D	-2.57	121.71	127.61
14	Y	821	CLA	O2A-CGA-CBA	2.57	119.96	111.91
14	H	823	CLA	CHC-C1C-C2C	-2.57	119.62	126.72
17	Q	203	BCR	C35-C13-C12	-2.57	114.03	118.08
14	Z	828	CLA	O1D-CGD-CBD	-2.57	119.23	124.48
14	Z	805	CLA	O2A-C1-C2	2.56	115.38	108.64
14	G	803	CLA	CHD-C1D-ND	-2.56	122.10	124.45
17	e	101	BCR	C12-C13-C14	2.56	122.88	118.94
14	H	811	CLA	C4-C3-C2	-2.56	117.10	123.68
14	Z	819	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
14	L	204	CLA	O1D-CGD-CBD	-2.56	119.24	124.48
14	A	834	CLA	CMB-C2B-C3B	2.56	129.47	124.68
14	G	827	CLA	CMB-C2B-C3B	2.56	129.47	124.68
14	Y	830	CLA	C4D-C3D-CAD	2.56	111.11	108.10
14	H	810	CLA	O1D-CGD-CBD	-2.56	119.24	124.48
14	G	813	CLA	CMD-C2D-C3D	-2.56	121.72	127.61
17	Z	847	BCR	C8-C9-C10	2.56	122.87	118.94
14	Z	804	CLA	O2A-CGA-CBA	2.56	119.94	111.91
14	A	816	CLA	C4D-C3D-CAD	2.56	111.11	108.10
14	Z	809	CLA	C4D-C3D-CAD	2.56	111.11	108.10
14	B	831	CLA	CMB-C2B-C3B	2.56	129.46	124.68
14	H	822	CLA	CMB-C2B-C3B	2.56	129.46	124.68
14	A	802	CLA	C4D-C3D-CAD	2.56	111.11	108.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	809	CLA	CMC-C2C-C1C	2.56	128.93	125.04
14	B	803	CLA	O2D-CGD-O1D	-2.56	118.84	123.84
14	A	815	CLA	CMD-C2D-C3D	-2.56	121.73	127.61
14	Z	823	CLA	CED-O2D-CGD	2.56	121.72	115.94
17	Y	853	BCR	C23-C22-C21	2.56	122.86	118.94
14	A	810	CLA	C4A-NA-C1A	2.56	107.86	106.71
14	Z	821	CLA	CAC-C3C-C2C	2.56	131.90	127.53
14	H	821	CLA	OBD-CAD-C3D	-2.55	122.37	128.52
14	B	828	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	Z	822	CLA	CHC-C1C-C2C	-2.55	119.66	126.72
14	B	838	CLA	C3C-C4C-NC	2.55	113.44	110.57
17	S	1105	BCR	C37-C22-C21	-2.55	119.35	122.92
14	Z	806	CLA	CHB-C4A-NA	2.55	128.04	124.51
17	G	847	BCR	C23-C24-C25	-2.55	120.03	127.20
14	H	801	CLA	CBC-CAC-C3C	-2.55	105.39	112.43
14	Z	837	CLA	CMA-C3A-C4A	2.55	118.64	111.77
14	A	807	CLA	CMC-C2C-C1C	2.55	128.93	125.04
18	A	852	LHG	O7-C7-O9	-2.55	117.53	123.70
14	H	828	CLA	C1-C2-C3	-2.55	121.63	126.04
14	B	837	CLA	C1D-CHD-C4C	-2.55	120.55	126.06
14	Z	831	CLA	C3D-C4D-ND	2.55	114.37	110.24
14	A	818	CLA	C4-C3-C2	-2.55	117.13	123.68
14	A	829	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	Z	828	CLA	CMD-C2D-C3D	-2.55	121.75	127.61
14	G	806	CLA	C4D-C3D-CAD	2.55	111.10	108.10
14	H	818	CLA	O1D-CGD-CBD	-2.55	119.27	124.48
14	H	810	CLA	CMA-C3A-C4A	2.55	118.63	111.77
17	A	849	BCR	C7-C8-C9	-2.55	122.38	126.23
14	G	840	CLA	CMC-C2C-C1C	2.55	128.92	125.04
17	J	103	BCR	C31-C1-C6	-2.55	106.16	110.30
14	Z	803	CLA	C3C-C4C-NC	2.55	113.43	110.57
14	H	803	CLA	CHC-C1C-C2C	-2.55	119.67	126.72
14	H	815	CLA	CMC-C2C-C1C	2.55	128.92	125.04
14	G	817	CLA	C4-C3-C5	2.55	119.56	115.27
14	G	809	CLA	O1D-CGD-CBD	-2.55	119.27	124.48
17	Y	848	BCR	C38-C26-C27	2.55	118.51	113.62
14	H	803	CLA	CMB-C2B-C1B	-2.55	124.55	128.46
14	A	818	CLA	C3C-C4C-NC	2.55	113.43	110.57
14	A	810	CLA	C1-C2-C3	-2.55	121.64	126.04
14	H	828	CLA	OBD-CAD-C3D	-2.55	122.39	128.52
14	A	838	CLA	CHC-C1C-C2C	-2.55	119.68	126.72
17	Y	845	BCR	C23-C22-C21	2.55	122.85	118.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	853	BCR	C30-C25-C24	2.55	122.98	115.78
14	B	813	CLA	CMD-C2D-C3D	-2.54	121.76	127.61
14	H	810	CLA	CAA-C2A-C1A	2.54	120.31	111.97
14	B	821	CLA	CHC-C1C-C2C	-2.54	119.68	126.72
14	Z	814	CLA	C4D-C3D-CAD	2.54	111.09	108.10
14	G	853	CLA	CHC-C1C-C2C	-2.54	119.69	126.72
14	G	836	CLA	C1-O2A-CGA	2.54	123.12	116.44
17	I	102	BCR	C38-C26-C25	-2.54	121.67	124.53
14	Z	820	CLA	CHC-C1C-C2C	-2.54	119.69	126.72
14	Y	818	CLA	C3D-C4D-ND	2.54	114.35	110.24
14	H	815	CLA	C3D-C4D-ND	2.54	114.35	110.24
14	H	808	CLA	C4D-C3D-CAD	2.54	111.09	108.10
14	Y	841	CLA	CGD-CBD-CAD	2.54	118.97	110.73
14	H	811	CLA	C3D-C4D-ND	2.54	114.35	110.24
14	H	823	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
14	Z	826	CLA	O1D-CGD-CBD	-2.54	119.29	124.48
14	G	807	CLA	C3C-C4C-NC	2.54	113.42	110.57
14	h	206	CLA	C3C-C4C-NC	2.54	113.42	110.57
14	G	841	CLA	CHC-C1C-C2C	-2.54	119.70	126.72
14	H	801	CLA	CMD-C2D-C3D	-2.54	121.77	127.61
14	G	834	CLA	O2A-CGA-CBA	2.54	119.87	111.91
14	H	840	CLA	CMC-C2C-C3C	2.54	133.01	126.12
14	A	842	CLA	CAA-C2A-C3A	-2.54	105.83	112.78
14	H	821	CLA	CAC-C3C-C4C	2.54	128.10	124.81
14	H	810	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
14	A	817	CLA	CMC-C2C-C1C	2.54	128.90	125.04
14	B	814	CLA	CAA-C2A-C3A	-2.54	105.83	112.78
14	A	814	CLA	OBD-CAD-C3D	-2.54	122.42	128.52
14	A	813	CLA	CMB-C2B-C3B	2.54	129.42	124.68
14	G	853	CLA	C4C-C3C-C2C	-2.54	103.20	106.90
14	A	816	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
14	A	837	CLA	CBC-CAC-C3C	-2.54	105.44	112.43
17	i	101	BCR	C38-C26-C25	2.54	127.38	124.53
14	B	828	CLA	C3D-C4D-ND	2.53	114.34	110.24
14	B	805	CLA	CHC-C1C-C2C	-2.53	119.71	126.72
14	A	837	CLA	C3D-C4D-ND	2.53	114.34	110.24
14	B	807	CLA	CBC-CAC-C3C	-2.53	105.44	112.43
14	Z	822	CLA	CMC-C2C-C1C	2.53	128.90	125.04
14	H	820	CLA	CMB-C2B-C3B	2.53	129.42	124.68
14	Z	801	CLA	CMB-C2B-C3B	2.53	129.42	124.68
14	A	835	CLA	CMD-C2D-C3D	-2.53	121.79	127.61
14	f	101	CLA	C3D-C4D-ND	2.53	114.33	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	842	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
14	A	831	CLA	O1D-CGD-CBD	-2.53	119.30	124.48
14	H	814	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	H	851	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	Z	813	CLA	CMB-C2B-C3B	2.53	129.41	124.68
14	A	839	CLA	CBC-CAC-C3C	-2.53	105.46	112.43
17	H	843	BCR	C37-C22-C23	2.53	122.06	118.08
17	G	847	BCR	C3-C4-C5	-2.53	109.56	114.08
14	A	835	CLA	CMA-C3A-C4A	2.53	118.57	111.77
14	A	828	CLA	O1D-CGD-CBD	-2.53	119.31	124.48
14	Y	840	CLA	CMC-C2C-C1C	2.53	128.89	125.04
17	A	846	BCR	C15-C14-C13	-2.53	123.70	127.31
14	Z	841	CLA	C3C-C4C-NC	2.53	113.41	110.57
14	Y	827	CLA	C4C-C3C-C2C	-2.53	103.21	106.90
14	B	840	CLA	C4D-C3D-CAD	2.53	111.08	108.10
14	Y	839	CLA	CMB-C2B-C1B	2.53	132.35	128.46
17	F	201	BCR	C2-C1-C6	2.53	114.37	110.48
14	U	1002	CLA	C1-O2A-CGA	2.53	123.08	116.44
14	H	828	CLA	C3C-C4C-NC	2.53	113.41	110.57
14	Z	840	CLA	O1D-CGD-CBD	-2.53	119.31	124.48
14	H	819	CLA	CMA-C3A-C4A	2.53	118.57	111.77
14	B	801	CLA	C4-C3-C5	2.53	119.52	115.27
14	A	812	CLA	CMB-C2B-C3B	2.53	129.41	124.68
14	A	854	CLA	C3C-C4C-NC	2.53	113.41	110.57
14	Y	831	CLA	O2A-C1-C2	2.53	115.28	108.64
14	Y	817	CLA	CED-O2D-CGD	2.53	121.65	115.94
14	G	805	CLA	C1-C2-C3	-2.53	121.67	126.04
14	H	821	CLA	CHC-C1C-C2C	-2.53	119.73	126.72
17	B	847	BCR	C35-C13-C14	-2.53	119.38	122.92
14	Z	836	CLA	C3D-C4D-ND	2.53	114.32	110.24
14	A	817	CLA	CHC-C1C-C2C	-2.53	119.73	126.72
14	G	815	CLA	CMA-C3A-C4A	2.53	118.56	111.77
17	Y	844	BCR	C8-C7-C6	-2.53	120.11	127.20
17	Z	844	BCR	C15-C14-C13	-2.52	123.71	127.31
14	U	1002	CLA	CMB-C2B-C3B	2.52	129.40	124.68
14	W	1701	CLA	O1D-CGD-CBD	-2.52	119.32	124.48
14	A	808	CLA	C1-C2-C3	-2.52	121.68	126.04
14	G	825	CLA	O2D-CGD-O1D	-2.52	118.90	123.84
14	Z	803	CLA	C4-C3-C5	2.52	119.52	115.27
14	G	828	CLA	CHD-C4C-C3C	-2.52	121.13	124.84
14	H	808	CLA	CMB-C2B-C1B	2.52	132.34	128.46
14	Z	808	CLA	O2A-C1-C2	2.52	115.27	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	815	CLA	CHD-C4C-C3C	-2.52	121.13	124.84
14	G	811	CLA	CHC-C1C-C2C	-2.52	119.74	126.72
14	H	823	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	S	1104	BCR	C40-C30-C25	2.52	114.39	110.30
14	H	833	CLA	CMD-C2D-C3D	-2.52	121.81	127.61
14	G	829	CLA	C3D-C4D-ND	2.52	114.32	110.24
14	G	829	CLA	C1-O2A-CGA	2.52	123.06	116.44
14	G	840	CLA	CED-O2D-CGD	2.52	121.64	115.94
14	B	826	CLA	CMC-C2C-C1C	2.52	128.88	125.04
14	Z	839	CLA	CHC-C1C-C2C	-2.52	119.75	126.72
14	B	829	CLA	C3C-C4C-NC	2.52	113.40	110.57
14	Z	837	CLA	C1-C2-C3	-2.52	121.69	126.04
17	I	101	BCR	C23-C24-C25	-2.52	120.13	127.20
14	H	836	CLA	O1D-CGD-CBD	-2.52	119.33	124.48
14	H	839	CLA	C3D-C4D-ND	2.52	114.31	110.24
14	H	809	CLA	C1-O2A-CGA	2.52	123.05	116.44
14	Z	803	CLA	CMC-C2C-C1C	2.52	128.87	125.04
14	A	804	CLA	CED-O2D-CGD	2.52	121.63	115.94
14	A	803	CLA	CED-O2D-CGD	2.52	121.63	115.94
17	H	844	BCR	C23-C24-C25	-2.52	120.14	127.20
13	G	801	CL0	C3D-C4D-ND	2.52	114.31	110.24
14	Y	803	CLA	C1-O2A-CGA	2.51	123.04	116.44
14	A	826	CLA	CGD-CBD-CAD	-2.51	102.59	110.73
14	Z	824	CLA	CMD-C2D-C3D	-2.51	121.83	127.61
14	G	820	CLA	C1-O2A-CGA	2.51	123.03	116.44
14	A	813	CLA	CHC-C1C-C2C	-2.51	119.78	126.72
14	Z	803	CLA	C1-C2-C3	-2.51	121.70	126.04
14	B	840	CLA	CHC-C1C-C2C	-2.51	119.78	126.72
14	B	810	CLA	C4-C3-C5	2.51	119.49	115.27
14	Z	838	CLA	CMA-C3A-C4A	2.51	118.52	111.77
17	Z	844	BCR	C23-C24-C25	-2.51	120.16	127.20
17	H	850	BCR	C2-C1-C6	2.51	114.34	110.48
17	Y	852	BCR	C39-C30-C25	-2.51	106.23	110.30
14	Y	828	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	Z	809	CLA	CBC-CAC-C3C	-2.51	105.52	112.43
14	g	102	CLA	CMD-C2D-C3D	-2.51	121.85	127.61
14	Y	837	CLA	C4C-C3C-C2C	-2.51	103.24	106.90
14	Z	808	CLA	O2A-CGA-CBA	2.51	119.77	111.91
14	A	807	CLA	CMD-C2D-C3D	-2.51	121.85	127.61
13	A	801	CL0	O2D-CGD-O1D	-2.51	118.94	123.84
14	A	830	CLA	C3C-C4C-NC	2.51	113.38	110.57
14	H	819	CLA	CMC-C2C-C1C	2.51	128.85	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	S	1104	BCR	C23-C22-C21	2.51	122.78	118.94
14	Y	820	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	G	812	CLA	C3C-C4C-NC	2.50	113.38	110.57
14	Q	202	CLA	C3D-C4D-ND	2.50	114.29	110.24
14	A	818	CLA	CMA-C3A-C4A	2.50	118.50	111.77
14	A	806	CLA	CAA-C2A-C1A	-2.50	103.77	111.97
14	B	810	CLA	C4D-C3D-CAD	2.50	111.05	108.10
17	U	1005	BCR	C24-C25-C26	-2.50	115.40	121.46
14	H	836	CLA	CMB-C2B-C3B	2.50	129.36	124.68
14	H	805	CLA	CMC-C2C-C1C	2.50	128.85	125.04
14	G	820	CLA	CMD-C2D-C3D	-2.50	121.86	127.61
14	L	202	CLA	CHD-C1D-ND	-2.50	122.16	124.45
14	A	835	CLA	O2A-CGA-CBA	2.50	122.07	114.03
14	A	835	CLA	CMC-C2C-C1C	2.50	128.85	125.04
14	h	201	CLA	CMC-C2C-C1C	2.50	128.85	125.04
14	Z	803	CLA	OBD-CAD-C3D	-2.50	122.50	128.52
14	Y	812	CLA	O2A-C1-C2	2.50	115.21	108.64
14	Y	821	CLA	O2A-C1-C2	2.50	115.21	108.64
14	J	101	CLA	O2D-CGD-O1D	-2.50	118.95	123.84
14	B	806	CLA	C11-C12-C13	-2.50	107.84	115.92
13	Y	801	CL0	CAC-C3C-C4C	2.50	128.05	124.81
14	j	102	CLA	CAC-C3C-C4C	2.50	128.05	124.81
17	Z	847	BCR	C40-C30-C25	2.50	114.35	110.30
14	A	817	CLA	C1-O2A-CGA	2.50	123.00	116.44
14	G	839	CLA	C3D-C4D-CHA	-2.50	107.01	112.72
14	B	825	CLA	C1D-CHD-C4C	-2.50	120.67	126.06
14	Y	829	CLA	CAC-C3C-C4C	2.50	128.05	124.81
17	A	848	BCR	C3-C4-C5	-2.50	109.62	114.08
17	A	848	BCR	C29-C30-C25	-2.50	106.64	110.48
14	F	202	CLA	C4C-C3C-C2C	-2.50	103.26	106.90
14	B	839	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	H	834	CLA	CMC-C2C-C1C	2.49	128.84	125.04
17	Y	852	BCR	C23-C22-C21	2.49	122.77	118.94
14	A	806	CLA	C4-C3-C5	2.49	119.47	115.27
14	H	809	CLA	CAC-C3C-C2C	-2.49	123.27	127.53
14	Z	810	CLA	C4-C3-C5	2.49	119.46	115.27
14	G	814	CLA	CMA-C3A-C4A	2.49	118.47	111.77
14	U	1006	CLA	CAC-C3C-C4C	2.49	128.04	124.81
14	Y	832	CLA	CMA-C3A-C4A	2.49	118.47	111.77
17	F	203	BCR	C40-C30-C25	-2.49	106.26	110.30
14	H	808	CLA	C3C-C4C-NC	2.49	113.36	110.57
14	Z	827	CLA	C4D-C3D-CAD	2.49	111.03	108.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	813	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
14	U	1007	CLA	OBD-CAD-C3D	-2.49	122.53	128.52
14	Z	835	CLA	CHB-C4A-NA	2.49	127.96	124.51
17	Z	848	BCR	C37-C22-C23	2.49	122.00	118.08
14	L	204	CLA	C4D-C3D-CAD	2.49	111.03	108.10
14	G	822	CLA	CHC-C1C-C2C	-2.49	119.83	126.72
14	H	816	CLA	CMD-C2D-C3D	-2.49	121.89	127.61
14	A	825	CLA	C4C-C3C-C2C	-2.49	103.27	106.90
14	Z	828	CLA	CAA-C2A-C3A	-2.49	105.96	112.78
14	H	803	CLA	CAA-C2A-C3A	-2.49	105.96	112.78
13	A	801	CL0	C3D-C4D-ND	2.49	114.26	110.24
17	B	850	BCR	C4-C5-C6	-2.49	119.12	122.73
14	B	818	CLA	CED-O2D-CGD	2.49	121.56	115.94
14	Z	802	CLA	C3D-C4D-ND	2.49	114.26	110.24
14	B	818	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	H	813	CLA	C4D-C3D-CAD	2.49	111.03	108.10
14	A	804	CLA	CMD-C2D-C3D	-2.49	121.89	127.61
14	Z	832	CLA	CAC-C3C-C4C	2.49	128.04	124.81
14	A	814	CLA	CED-O2D-CGD	2.49	121.56	115.94
14	B	836	CLA	O2D-CGD-O1D	-2.49	118.98	123.84
14	B	823	CLA	CHC-C1C-C2C	-2.49	119.84	126.72
14	S	1102	CLA	CHC-C1C-C2C	-2.49	119.84	126.72
14	U	1004	CLA	CHC-C1C-C2C	-2.49	119.84	126.72
14	B	818	CLA	C4D-C3D-CAD	2.49	111.03	108.10
14	Y	802	CLA	C4D-C3D-CAD	2.49	111.03	108.10
14	Y	813	CLA	C3C-C4C-NC	2.48	113.36	110.57
14	H	831	CLA	CED-O2D-CGD	2.48	121.56	115.94
17	R	102	BCR	C2-C1-C6	-2.48	106.66	110.48
14	U	1007	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	Y	811	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
14	Z	821	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
14	B	801	CLA	CBC-CAC-C3C	-2.48	105.59	112.43
14	Z	831	CLA	O1D-CGD-CBD	-2.48	119.40	124.48
14	H	810	CLA	C1D-CHD-C4C	-2.48	120.70	126.06
14	B	811	CLA	CMA-C3A-C4A	2.48	118.44	111.77
14	Y	821	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	G	812	CLA	OBD-CAD-C3D	-2.48	122.55	128.52
14	L	201	CLA	CAA-C2A-C3A	-2.48	105.99	112.78
14	G	852	CLA	CHC-C1C-C2C	-2.48	119.86	126.72
14	g	101	CLA	CMC-C2C-C1C	2.48	128.82	125.04
14	B	827	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	A	821	CLA	CHC-C1C-C2C	-2.48	119.86	126.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	834	CLA	C1-C2-C3	-2.48	121.75	126.04
14	A	803	CLA	C3D-C4D-ND	2.48	114.25	110.24
14	H	809	CLA	CAA-C2A-C3A	-2.48	105.99	112.78
14	H	820	CLA	C4D-C3D-CAD	2.48	111.02	108.10
14	A	813	CLA	CMA-C3A-C4A	2.48	118.44	111.77
19	Z	849	LMG	O7-C10-O9	-2.48	117.71	123.70
17	Y	845	BCR	C36-C18-C19	-2.48	114.17	118.08
17	Z	847	BCR	C1-C6-C7	2.48	122.78	115.78
14	A	808	CLA	C4D-C3D-CAD	2.48	111.01	108.10
14	G	812	CLA	O2D-CGD-O1D	-2.48	119.00	123.84
14	G	812	CLA	CMD-C2D-C3D	-2.48	121.92	127.61
14	S	1102	CLA	O2D-CGD-O1D	-2.48	119.00	123.84
14	Y	822	CLA	CMC-C2C-C1C	2.47	128.81	125.04
14	Y	841	CLA	C1-O2A-CGA	2.47	122.94	116.44
14	Y	827	CLA	CMC-C2C-C1C	2.47	128.81	125.04
14	Y	805	CLA	CMC-C2C-C3C	2.47	132.83	126.12
14	Y	822	CLA	C1-O2A-CGA	2.47	122.93	116.44
14	Y	827	CLA	O2D-CGD-O1D	-2.47	119.00	123.84
14	B	831	CLA	CMA-C3A-C4A	2.47	118.42	111.77
14	Z	818	CLA	CMA-C3A-C4A	2.47	118.42	111.77
14	H	834	CLA	CMB-C2B-C3B	2.47	129.30	124.68
14	Z	831	CLA	O2D-CGD-O1D	-2.47	119.00	123.84
14	B	836	CLA	O2A-C1-C2	2.47	115.13	108.64
14	Z	823	CLA	CHC-C1C-C2C	-2.47	119.89	126.72
14	A	837	CLA	CHC-C1C-C2C	-2.47	119.89	126.72
14	Z	819	CLA	CHC-C1C-C2C	-2.47	119.89	126.72
17	B	846	BCR	C1-C6-C7	2.47	122.77	115.78
14	A	823	CLA	C4D-C3D-CAD	2.47	111.01	108.10
14	Y	826	CLA	CHC-C1C-C2C	-2.47	119.89	126.72
14	X	1701	CLA	C4D-C3D-CAD	2.47	111.01	108.10
14	Y	829	CLA	CHC-C1C-C2C	-2.47	119.89	126.72
14	H	810	CLA	CAC-C3C-C4C	2.47	128.01	124.81
14	G	842	CLA	O1D-CGD-CBD	-2.47	119.43	124.48
17	U	1005	BCR	C36-C18-C19	-2.47	114.19	118.08
14	G	822	CLA	C4D-C3D-CAD	2.47	111.00	108.10
17	Y	849	BCR	C2-C1-C6	-2.47	106.68	110.48
14	H	818	CLA	C4-C3-C5	2.47	119.42	115.27
14	B	816	CLA	CHA-C1A-NA	-2.47	120.75	126.40
14	J	101	CLA	CMD-C2D-C3D	-2.47	121.94	127.61
14	Y	803	CLA	CHC-C1C-C2C	-2.47	119.90	126.72
14	Y	816	CLA	CMB-C2B-C1B	2.47	132.26	128.46
14	X	1701	CLA	OBD-CAD-C3D	-2.47	122.58	128.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	839	CLA	C1-O2A-CGA	2.47	122.91	116.44
14	Z	841	CLA	CHC-C1C-C2C	-2.47	119.90	126.72
14	Z	826	CLA	CMD-C2D-C3D	-2.47	121.94	127.61
14	S	1103	CLA	CMD-C2D-C3D	-2.47	121.94	127.61
14	F	202	CLA	CMC-C2C-C1C	2.47	128.79	125.04
14	Z	834	CLA	CHC-C1C-C2C	-2.47	119.90	126.72
14	A	802	CLA	CHC-C1C-C2C	-2.46	119.90	126.72
14	H	801	CLA	CAA-C2A-C3A	-2.46	106.03	112.78
14	A	837	CLA	C1D-CHD-C4C	-2.46	120.74	126.06
14	G	804	CLA	CMA-C3A-C4A	2.46	118.39	111.77
14	B	809	CLA	C4D-CHA-C1A	2.46	124.25	121.25
14	A	803	CLA	CMC-C2C-C1C	2.46	128.79	125.04
14	B	810	CLA	CAA-C2A-C1A	-2.46	103.91	111.97
17	R	101	BCR	C35-C13-C12	2.46	121.96	118.08
14	Y	809	CLA	C3C-C4C-NC	2.46	113.33	110.57
14	Z	826	CLA	CBC-CAC-C3C	-2.46	105.64	112.43
14	A	806	CLA	CMD-C2D-C3D	-2.46	121.95	127.61
14	Z	803	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
15	H	841	PQN	C2M-C2-C1	2.46	120.35	116.27
14	B	812	CLA	C4C-C3C-C2C	-2.46	103.31	106.90
17	S	1105	BCR	C3-C4-C5	-2.46	109.68	114.08
14	Y	837	CLA	O1D-CGD-CBD	-2.46	119.45	124.48
17	B	846	BCR	C40-C30-C25	2.46	114.29	110.30
14	Z	837	CLA	C4C-C3C-C2C	-2.46	103.31	106.90
14	G	824	CLA	CMD-C2D-C3D	-2.46	121.96	127.61
14	H	810	CLA	CED-O2D-CGD	2.46	121.50	115.94
14	G	831	CLA	CAA-C2A-C3A	-2.46	106.05	112.78
17	A	848	BCR	C7-C8-C9	-2.46	122.52	126.23
17	B	846	BCR	C38-C26-C25	-2.46	121.77	124.53
14	H	820	CLA	O1D-CGD-CBD	-2.46	119.45	124.48
14	Z	820	CLA	O2A-CGA-CBA	2.46	119.62	111.91
17	Y	844	BCR	C36-C18-C19	-2.46	114.20	118.08
14	A	831	CLA	CED-O2D-CGD	2.46	121.50	115.94
14	Y	816	CLA	CMC-C2C-C1C	2.46	128.78	125.04
14	A	827	CLA	CBC-CAC-C3C	-2.46	105.66	112.43
14	A	819	CLA	C4C-C3C-C2C	-2.46	103.32	106.90
14	A	811	CLA	CMD-C2D-C3D	-2.46	121.96	127.61
14	Y	819	CLA	CHC-C1C-C2C	-2.46	119.93	126.72
14	B	826	CLA	C6-C5-C3	-2.46	107.01	113.45
13	A	801	CL0	CHB-C4A-NA	2.46	127.91	124.51
14	G	823	CLA	C1-O2A-CGA	2.46	122.89	116.44
14	Z	837	CLA	CAA-CBA-CGA	-2.46	106.08	113.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	835	CLA	O2D-CGD-O1D	-2.46	119.04	123.84
14	G	828	CLA	CED-O2D-CGD	2.46	121.49	115.94
14	Y	802	CLA	C1D-CHD-C4C	-2.45	120.76	126.06
14	Z	812	CLA	C3C-C4C-NC	2.45	113.32	110.57
14	A	816	CLA	CMA-C3A-C4A	2.45	118.36	111.77
17	A	846	BCR	C27-C26-C25	-2.45	119.17	122.73
13	Y	801	CL0	CBC-CAC-C3C	-2.45	105.67	112.43
14	G	829	CLA	C11-C10-C8	-2.45	108.00	115.92
14	A	815	CLA	C4D-CHA-C1A	2.45	124.23	121.25
14	B	840	CLA	C3A-C2A-C1A	2.45	105.01	101.34
14	Y	804	CLA	CMD-C2D-C3D	-2.45	121.98	127.61
17	F	203	BCR	C33-C5-C4	2.45	118.32	113.62
14	G	819	CLA	CMD-C2D-C3D	-2.45	121.98	127.61
14	A	814	CLA	CMA-C3A-C4A	2.45	118.36	111.77
14	H	828	CLA	CMB-C2B-C3B	2.45	129.26	124.68
14	Y	833	CLA	CMB-C2B-C3B	2.45	129.26	124.68
14	J	102	CLA	CED-O2D-CGD	2.45	121.48	115.94
17	G	847	BCR	C24-C25-C26	-2.45	115.53	121.46
17	e	101	BCR	C24-C25-C26	2.45	127.39	121.46
14	A	811	CLA	CED-O2D-CGD	2.45	121.47	115.94
14	A	819	CLA	CHD-C1D-ND	-2.45	122.20	124.45
14	A	828	CLA	CAC-C3C-C4C	2.45	127.99	124.81
14	Z	816	CLA	CHD-C4C-C3C	-2.45	121.24	124.84
14	B	818	CLA	C4-C3-C5	2.45	119.39	115.27
14	H	820	CLA	C3D-C4D-ND	2.45	114.20	110.24
14	B	832	CLA	CHD-C4C-C3C	-2.45	121.25	124.84
14	B	840	CLA	C11-C10-C8	-2.45	108.01	115.92
14	G	828	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	Z	820	CLA	CMD-C2D-C3D	-2.44	121.99	127.61
14	H	815	CLA	C1D-CHD-C4C	-2.44	120.78	126.06
14	Y	831	CLA	O2A-CGA-CBA	2.44	119.58	111.91
14	B	835	CLA	CAC-C3C-C4C	2.44	127.98	124.81
14	Y	807	CLA	CED-O2D-CGD	2.44	121.46	115.94
14	Y	827	CLA	C1-O2A-CGA	2.44	122.85	116.44
14	A	836	CLA	OBD-CAD-C3D	-2.44	122.64	128.52
17	Z	843	BCR	C29-C30-C25	-2.44	106.72	110.48
14	B	837	CLA	C1-O2A-CGA	2.44	122.85	116.44
14	B	822	CLA	CHC-C1C-C2C	-2.44	119.97	126.72
14	A	809	CLA	CMA-C3A-C4A	2.44	118.34	111.77
14	A	805	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	G	829	CLA	CMC-C2C-C1C	2.44	128.76	125.04
14	B	818	CLA	C3D-C4D-ND	2.44	114.19	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Y	801	CL0	CMC-C2C-C1C	2.44	128.76	125.04
14	Y	811	CLA	CMA-C3A-C4A	2.44	118.33	111.77
14	B	822	CLA	O1D-CGD-CBD	-2.44	119.49	124.48
14	Z	810	CLA	C3C-C4C-NC	2.44	113.31	110.57
19	H	848	LMG	O8-C28-C29	2.44	119.56	111.91
14	Y	803	CLA	C3D-C4D-ND	2.44	114.18	110.24
14	B	840	CLA	CMC-C2C-C3C	2.44	132.74	126.12
14	g	101	CLA	C3D-C4D-ND	2.44	114.18	110.24
17	J	103	BCR	C7-C6-C5	-2.44	115.56	121.46
14	B	828	CLA	CAA-C2A-C3A	-2.44	106.10	112.78
14	B	837	CLA	CMB-C2B-C3B	2.44	129.24	124.68
14	B	836	CLA	CAC-C3C-C2C	2.44	131.70	127.53
17	G	849	BCR	C33-C5-C4	2.44	118.30	113.62
14	A	823	CLA	C4-C3-C5	2.44	119.37	115.27
14	A	819	CLA	C3D-C4D-ND	2.44	114.18	110.24
14	G	822	CLA	CMC-C2C-C1C	2.44	128.75	125.04
14	Z	832	CLA	CHC-C1C-C2C	-2.44	119.98	126.72
14	g	101	CLA	CHC-C1C-C2C	-2.44	119.98	126.72
14	G	819	CLA	CAA-C2A-C1A	-2.44	103.99	111.97
17	A	848	BCR	C24-C25-C26	-2.44	115.56	121.46
14	B	801	CLA	C5-C3-C2	-2.44	116.19	121.12
14	H	802	CLA	CHB-C4A-NA	2.43	127.88	124.51
14	B	822	CLA	CMA-C3A-C4A	2.43	118.32	111.77
14	Z	835	CLA	CMB-C2B-C3B	2.43	129.23	124.68
14	Y	821	CLA	C4-C3-C5	2.43	119.36	115.27
14	H	814	CLA	CMC-C2C-C1C	2.43	128.75	125.04
14	H	829	CLA	OBD-CAD-C3D	-2.43	122.66	128.52
14	Z	823	CLA	C3C-C4C-NC	2.43	113.30	110.57
14	H	829	CLA	CBC-CAC-C3C	-2.43	105.72	112.43
14	L	205	CLA	C1D-CHD-C4C	-2.43	120.81	126.06
14	A	815	CLA	C4D-C3D-CAD	2.43	110.96	108.10
14	Y	806	CLA	C3D-C4D-ND	2.43	114.17	110.24
14	Z	838	CLA	C6-C5-C3	-2.43	107.08	113.45
14	U	1002	CLA	CMA-C3A-C4A	2.43	118.31	111.77
14	G	809	CLA	OBD-CAD-C3D	-2.43	122.67	128.52
14	B	805	CLA	C4D-C3D-CAD	2.43	110.96	108.10
14	B	816	CLA	CMA-C3A-C4A	2.43	118.31	111.77
14	Z	816	CLA	O2A-CGA-CBA	2.43	121.84	114.03
14	Y	812	CLA	C3C-C4C-NC	2.43	113.30	110.57
17	Q	201	BCR	C33-C5-C6	-2.43	121.80	124.53
14	G	814	CLA	CBC-CAC-C3C	-2.43	105.73	112.43
14	H	832	CLA	CHB-C4A-NA	2.43	127.87	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	848	BCR	C23-C24-C25	-2.43	120.38	127.20
14	Z	840	CLA	CMB-C2B-C3B	2.43	129.22	124.68
14	G	803	CLA	CMA-C3A-C4A	2.43	118.30	111.77
14	B	839	CLA	C4C-C3C-C2C	-2.43	103.36	106.90
14	Y	838	CLA	C4D-C3D-CAD	2.43	110.96	108.10
15	Y	842	PQN	C14-C13-C15	2.43	119.35	115.27
14	U	1007	CLA	C11-C10-C8	-2.43	108.07	115.92
14	B	806	CLA	C1-O2A-CGA	2.43	122.81	116.44
14	A	823	CLA	C3D-C4D-ND	2.43	114.16	110.24
14	B	812	CLA	C3D-C4D-ND	2.43	114.16	110.24
14	Y	833	CLA	C4D-C3D-CAD	2.43	110.96	108.10
14	Z	829	CLA	C7-C6-C5	-2.43	106.77	113.36
14	B	824	CLA	CED-O2D-CGD	2.43	121.42	115.94
14	B	812	CLA	C16-C15-C13	-2.43	108.08	115.92
14	d	202	CLA	CED-O2D-CGD	2.43	121.42	115.94
14	Y	821	CLA	CMC-C2C-C1C	2.42	128.73	125.04
14	Z	805	CLA	C5-C3-C2	-2.42	116.21	121.12
14	H	831	CLA	CMD-C2D-C3D	-2.42	122.04	127.61
14	H	840	CLA	CAC-C3C-C4C	-2.42	121.66	124.81
14	B	813	CLA	C3C-C4C-NC	2.42	113.29	110.57
14	Y	815	CLA	C1-O2A-CGA	2.42	122.80	116.44
17	H	847	BCR	C12-C13-C14	2.42	122.66	118.94
14	G	841	CLA	C5-C3-C2	-2.42	116.21	121.12
14	G	825	CLA	CAA-CBA-CGA	-2.42	106.17	113.25
14	H	830	CLA	CMC-C2C-C1C	2.42	128.73	125.04
14	A	812	CLA	CMA-C3A-C4A	2.42	118.28	111.77
14	Z	841	CLA	O1D-CGD-CBD	-2.42	119.53	124.48
14	A	828	CLA	CED-O2D-CGD	2.42	121.42	115.94
14	A	830	CLA	CED-O2D-CGD	2.42	121.42	115.94
14	H	831	CLA	C3C-C4C-NC	2.42	113.29	110.57
14	A	854	CLA	CAA-C2A-C1A	2.42	119.91	111.97
14	Y	828	CLA	O2D-CGD-CBD	2.42	115.57	111.27
14	G	853	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	H	806	CLA	CAA-CBA-CGA	-2.42	106.18	113.25
14	A	803	CLA	O2A-CGA-CBA	2.42	119.50	111.91
14	A	842	CLA	CMB-C2B-C3B	2.42	129.20	124.68
14	B	812	CLA	CMB-C2B-C3B	2.42	129.20	124.68
14	B	812	CLA	C4D-C3D-CAD	2.42	110.95	108.10
14	G	818	CLA	CMA-C3A-C4A	2.42	118.27	111.77
17	R	102	BCR	C36-C18-C17	-2.42	119.54	122.92
17	H	850	BCR	C4-C5-C6	-2.42	119.22	122.73
14	G	852	CLA	C14-C13-C15	2.42	120.05	111.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	810	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
14	B	814	CLA	CMD-C2D-C3D	-2.42	122.06	127.61
14	Y	808	CLA	CHB-C4A-NA	2.42	127.85	124.51
14	j	102	CLA	CMB-C2B-C3B	2.42	129.20	124.68
14	Y	809	CLA	C1-C2-C3	-2.42	121.86	126.04
14	Z	823	CLA	C4A-NA-C1A	2.42	107.79	106.71
14	B	816	CLA	C3D-C4D-ND	2.42	114.14	110.24
14	Z	820	CLA	C1-O2A-CGA	2.42	122.78	116.44
14	h	206	CLA	C4C-C3C-C2C	-2.42	103.38	106.90
14	G	811	CLA	CMA-C3A-C4A	2.42	118.26	111.77
18	B	849	LHG	O8-C23-O10	-2.42	117.50	123.59
14	G	817	CLA	CAC-C3C-C4C	2.41	127.94	124.81
14	A	830	CLA	C4C-C3C-C2C	-2.41	103.38	106.90
14	f	101	CLA	OBD-CAD-C3D	-2.41	122.71	128.52
14	B	835	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
14	H	838	CLA	CBC-CAC-C3C	-2.41	105.78	112.43
14	A	807	CLA	C4D-C3D-CAD	2.41	110.94	108.10
17	U	1009	BCR	C1-C6-C7	2.41	122.61	115.78
14	B	829	CLA	CHB-C4A-NA	2.41	127.85	124.51
19	B	848	LMG	O4-C4-C5	2.41	115.29	109.30
14	H	801	CLA	CED-O2D-CGD	2.41	121.39	115.94
14	f	101	CLA	CMB-C2B-C3B	2.41	129.19	124.68
17	Q	203	BCR	C8-C7-C6	-2.41	120.43	127.20
14	B	821	CLA	CMD-C2D-C3D	-2.41	122.07	127.61
17	e	101	BCR	C29-C30-C25	-2.41	106.77	110.48
14	Z	817	CLA	C4-C3-C5	2.41	119.33	115.27
14	h	205	CLA	CMC-C2C-C3C	2.41	132.66	126.12
14	A	843	CLA	CAC-C3C-C4C	2.41	127.94	124.81
17	R	102	BCR	C37-C22-C23	2.41	121.88	118.08
14	H	807	CLA	C4C-C3C-C2C	-2.41	103.38	106.90
14	L	202	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	H	814	CLA	C4D-C3D-CAD	2.41	110.94	108.10
14	G	834	CLA	CMA-C3A-C4A	2.41	118.25	111.77
14	Z	840	CLA	O2A-CGA-CBA	2.41	119.47	111.91
14	A	854	CLA	CMD-C2D-C3D	-2.41	122.07	127.61
14	A	825	CLA	CED-O2D-CGD	2.41	121.39	115.94
17	B	845	BCR	C15-C14-C13	-2.41	123.85	127.30
14	H	806	CLA	CHC-C1C-C2C	-2.41	120.06	126.72
14	A	827	CLA	O2A-CGA-CBA	2.41	119.46	111.91
14	Y	820	CLA	CMD-C2D-C3D	-2.41	122.08	127.61
14	G	835	CLA	CHC-C1C-C2C	-2.41	120.06	126.72
14	Y	803	CLA	CMD-C2D-C3D	-2.41	122.08	127.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	838	CLA	CMB-C2B-C3B	2.41	129.18	124.68
14	Y	819	CLA	CAC-C3C-C4C	2.41	127.93	124.81
17	Y	848	BCR	C31-C1-C6	-2.41	106.39	110.30
17	G	846	BCR	C3-C4-C5	-2.41	109.78	114.08
14	U	1004	CLA	C1-C2-C3	-2.41	121.88	126.04
14	Y	826	CLA	C1-C2-C3	-2.41	121.88	126.04
14	H	829	CLA	C6-C7-C8	-2.41	108.14	115.92
14	H	809	CLA	CMB-C2B-C3B	2.41	129.18	124.68
14	G	807	CLA	C4D-C3D-CAD	2.40	110.93	108.10
17	J	104	BCR	C1-C6-C7	2.40	122.58	115.78
14	Y	814	CLA	C4C-C3C-C2C	-2.40	103.39	106.90
14	U	1007	CLA	O2A-CGA-CBA	2.40	119.45	111.91
14	Z	840	CLA	CHC-C1C-C2C	-2.40	120.07	126.72
14	Y	806	CLA	CMD-C2D-C3D	-2.40	122.09	127.61
14	G	852	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	A	816	CLA	CMD-C2D-C3D	-2.40	122.09	127.61
14	Z	835	CLA	CMD-C2D-C3D	-2.40	122.09	127.61
14	H	825	CLA	C4D-C3D-CAD	2.40	110.93	108.10
14	G	818	CLA	C3D-C4D-ND	2.40	114.12	110.24
14	B	809	CLA	O2D-CGD-O1D	-2.40	119.14	123.84
14	A	816	CLA	O1D-CGD-CBD	-2.40	119.57	124.48
14	L	202	CLA	C11-C10-C8	-2.40	108.16	115.92
14	G	803	CLA	CMB-C2B-C3B	2.40	129.17	124.68
14	G	812	CLA	C4D-C3D-CAD	2.40	110.92	108.10
14	Y	808	CLA	CAC-C3C-C4C	2.40	127.92	124.81
14	Z	804	CLA	CAC-C3C-C4C	2.40	127.92	124.81
14	Y	820	CLA	CED-O2D-CGD	2.40	121.36	115.94
14	H	817	CLA	C3C-C4C-NC	2.40	113.26	110.57
14	H	824	CLA	CED-O2D-CGD	2.40	121.36	115.94
14	Z	803	CLA	O1D-CGD-CBD	-2.40	119.58	124.48
14	Y	823	CLA	CMA-C3A-C4A	2.40	118.22	111.77
14	Y	811	CLA	C4D-C3D-CAD	2.40	110.92	108.10
17	U	1008	BCR	C36-C18-C19	-2.40	114.30	118.08
14	G	839	CLA	CHC-C1C-C2C	-2.40	120.09	126.72
14	A	814	CLA	C4-C3-C5	2.40	119.30	115.27
14	H	811	CLA	C3C-C4C-NC	2.40	113.26	110.57
14	Z	825	CLA	C1-C2-C3	-2.40	121.90	126.04
17	e	101	BCR	C1-C6-C7	2.40	122.56	115.78
17	Z	845	BCR	C3-C4-C5	-2.40	109.80	114.08
14	B	830	CLA	CAC-C3C-C4C	2.40	127.92	124.81
14	Y	808	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
14	Y	838	CLA	CMB-C2B-C3B	2.40	129.16	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	826	CLA	C4-C3-C2	-2.40	117.53	123.68
14	Z	826	CLA	C4D-C3D-CAD	2.40	110.92	108.10
14	H	810	CLA	CMB-C2B-C3B	2.39	129.16	124.68
14	Y	805	CLA	C1-O2A-CGA	2.39	122.73	116.44
14	Y	821	CLA	C4D-C3D-CAD	2.39	110.92	108.10
14	B	834	CLA	C3C-C4C-NC	2.39	113.26	110.57
17	A	846	BCR	C8-C7-C6	-2.39	120.48	127.20
14	Y	805	CLA	CAA-CBA-CGA	-2.39	106.26	113.25
14	H	809	CLA	C3D-C4D-ND	2.39	114.11	110.24
14	A	836	CLA	CHA-C1A-NA	-2.39	120.92	126.40
14	B	802	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	B	821	CLA	C4D-C3D-CAD	2.39	110.92	108.10
14	G	823	CLA	CHC-C1C-C2C	-2.39	120.11	126.72
14	H	823	CLA	C4D-C3D-CAD	2.39	110.91	108.10
14	A	803	CLA	C1D-CHD-C4C	-2.39	120.90	126.06
17	h	202	BCR	C12-C13-C14	2.39	122.61	118.94
14	B	819	CLA	CED-O2D-CGD	2.39	121.34	115.94
14	U	1007	CLA	C1D-CHD-C4C	-2.39	120.90	126.06
14	Z	825	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	H	805	CLA	CHC-C1C-C2C	-2.39	120.11	126.72
14	B	828	CLA	CGD-CBD-CAD	2.39	118.47	110.73
14	A	814	CLA	C1-C2-C3	-2.39	121.91	126.04
14	Z	822	CLA	CMD-C2D-C3D	-2.39	122.12	127.61
14	B	804	CLA	C4-C3-C5	2.39	119.29	115.27
17	i	101	BCR	C40-C30-C25	2.39	114.17	110.30
14	G	809	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	B	801	CLA	CMC-C2C-C3C	2.39	132.59	126.12
14	Y	820	CLA	CMC-C2C-C1C	2.39	128.67	125.04
14	Z	822	CLA	C4D-C3D-CAD	2.38	110.91	108.10
14	Y	818	CLA	O2D-CGD-O1D	-2.38	119.18	123.84
14	Z	802	CLA	CHD-C4C-C3C	-2.38	121.34	124.84
17	Z	847	BCR	C1-C6-C5	-2.38	119.26	122.61
14	Y	824	CLA	CHD-C4C-C3C	-2.38	121.34	124.84
14	Y	811	CLA	CMD-C2D-C3D	-2.38	122.13	127.61
17	Z	843	BCR	C32-C1-C6	-2.38	106.44	110.30
14	B	806	CLA	C3D-C4D-ND	2.38	114.09	110.24
14	Z	839	CLA	CMD-C2D-C3D	-2.38	122.14	127.61
14	B	813	CLA	CED-O2D-CGD	2.38	121.32	115.94
14	Y	810	CLA	CAC-C3C-C4C	2.38	127.90	124.81
14	Y	835	CLA	C4D-C3D-CAD	2.38	110.90	108.10
17	H	850	BCR	C38-C26-C27	2.38	118.19	113.62
17	G	848	BCR	C32-C1-C6	-2.38	106.44	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	814	CLA	O1D-CGD-CBD	-2.38	119.61	124.48
14	Z	809	CLA	CAA-C2A-C3A	-2.38	106.26	112.78
13	Y	801	CL0	C11-C10-C8	-2.38	108.23	115.92
17	e	101	BCR	C7-C6-C5	-2.38	115.70	121.46
14	G	830	CLA	CMC-C2C-C3C	2.38	132.57	126.12
17	e	101	BCR	C30-C25-C26	-2.38	119.26	122.61
14	H	808	CLA	CHD-C1D-ND	-2.38	122.27	124.45
17	h	202	BCR	C3-C4-C5	-2.38	109.83	114.08
14	A	804	CLA	C3C-C4C-NC	2.38	113.24	110.57
14	Z	826	CLA	C3D-C4D-ND	2.38	114.08	110.24
14	A	811	CLA	CAC-C3C-C4C	2.38	127.89	124.81
14	Y	818	CLA	CHC-C1C-C2C	-2.38	120.14	126.72
14	G	808	CLA	C6-C5-C3	-2.38	107.22	113.45
18	Y	850	LHG	O8-C23-O10	-2.38	117.59	123.59
17	H	843	BCR	C27-C26-C25	-2.38	119.28	122.73
14	H	838	CLA	CED-O2D-CGD	2.38	121.31	115.94
14	A	854	CLA	CBC-CAC-C3C	-2.38	105.88	112.43
14	Z	835	CLA	O2A-CGA-CBA	2.37	121.66	114.03
14	G	823	CLA	O2D-CGD-O1D	-2.37	119.19	123.84
14	A	803	CLA	O1D-CGD-CBD	-2.37	119.62	124.48
14	H	815	CLA	O1D-CGD-CBD	-2.37	119.62	124.48
14	U	1003	CLA	CMC-C2C-C1C	2.37	128.66	125.04
17	G	847	BCR	C36-C18-C19	-2.37	114.34	118.08
14	B	824	CLA	CHC-C1C-C2C	-2.37	120.15	126.72
14	B	824	CLA	CMA-C3A-C4A	2.37	118.15	111.77
14	G	823	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	Z	824	CLA	C4A-NA-C1A	2.37	107.77	106.71
14	G	827	CLA	O2A-C1-C2	2.37	114.87	108.64
18	A	852	LHG	O8-C23-O10	-2.37	117.60	123.59
14	Y	827	CLA	C3D-C4D-ND	2.37	114.08	110.24
14	L	205	CLA	CMD-C2D-C3D	-2.37	122.16	127.61
14	Z	827	CLA	CMA-C3A-C4A	2.37	118.15	111.77
17	F	201	BCR	C15-C14-C13	-2.37	123.92	127.31
17	H	846	BCR	C15-C14-C13	-2.37	123.92	127.31
14	H	836	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	B	827	CLA	CHC-C1C-C2C	-2.37	120.16	126.72
14	H	808	CLA	CHC-C1C-C2C	-2.37	120.16	126.72
14	Z	809	CLA	C1-C2-C3	-2.37	121.94	126.04
14	H	819	CLA	CMD-C2D-C3D	-2.37	122.16	127.61
14	h	206	CLA	OBD-CAD-C3D	-2.37	122.81	128.52
14	B	835	CLA	CED-O2D-CGD	2.37	121.30	115.94
14	G	805	CLA	C4-C3-C5	2.37	119.26	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	K	102	CLA	CHC-C1C-C2C	-2.37	120.17	126.72
14	S	1103	CLA	CHC-C1C-C2C	-2.37	120.17	126.72
17	Z	848	BCR	C30-C25-C24	-2.37	109.07	115.78
14	Z	801	CLA	CHD-C4C-C3C	-2.37	121.36	124.84
14	G	815	CLA	C1-C2-C3	-2.37	122.92	126.75
14	Y	825	CLA	CMB-C2B-C3B	2.37	129.11	124.68
14	A	820	CLA	CAC-C3C-C4C	2.37	127.88	124.81
14	L	204	CLA	CBC-CAC-C3C	-2.37	105.90	112.43
14	H	810	CLA	CBA-CAA-C2A	-2.37	106.87	113.86
14	A	821	CLA	CMD-C2D-C3D	-2.37	122.17	127.61
14	A	815	CLA	CAA-C2A-C1A	-2.37	104.21	111.97
14	Y	824	CLA	C4C-C3C-C2C	-2.37	103.44	106.90
14	S	1103	CLA	C4-C3-C2	-2.37	117.60	123.68
14	T	101	CLA	CMB-C2B-C3B	2.37	129.11	124.68
14	B	827	CLA	CED-O2D-CGD	2.37	121.29	115.94
14	H	804	CLA	CHB-C4A-NA	2.37	127.78	124.51
14	A	835	CLA	CED-O2D-CGD	2.37	121.29	115.94
14	H	817	CLA	O2D-CGD-O1D	-2.37	119.21	123.84
14	G	806	CLA	CHB-C4A-NA	2.37	127.78	124.51
14	A	822	CLA	C1-O2A-CGA	2.37	122.65	116.44
14	H	802	CLA	CED-O2D-CGD	2.37	121.29	115.94
14	G	803	CLA	CHC-C1C-C2C	-2.37	120.18	126.72
14	Y	817	CLA	CMD-C2D-C3D	-2.37	122.17	127.61
14	S	1101	CLA	CHC-C1C-C2C	-2.36	120.18	126.72
14	H	839	CLA	C1-C2-C3	-2.36	121.95	126.04
14	B	833	CLA	O2A-CGA-CBA	2.36	121.63	114.03
14	G	852	CLA	C4C-C3C-C2C	-2.36	103.45	106.90
14	Z	804	CLA	C1-O2A-CGA	2.36	122.65	116.44
14	Y	839	CLA	CHC-C1C-C2C	-2.36	120.18	126.72
14	H	811	CLA	C4D-C3D-CAD	2.36	110.88	108.10
17	G	849	BCR	C1-C6-C5	-2.36	119.28	122.61
14	T	103	CLA	O2D-CGD-O1D	-2.36	119.22	123.84
14	J	101	CLA	C4D-C3D-CAD	2.36	110.88	108.10
14	B	820	CLA	O1D-CGD-CBD	-2.36	119.65	124.48
14	H	803	CLA	CHA-C1A-NA	-2.36	120.99	126.40
14	G	836	CLA	CMA-C3A-C4A	2.36	118.12	111.77
14	G	804	CLA	CMC-C2C-C1C	2.36	128.63	125.04
14	H	824	CLA	CHC-C1C-C2C	-2.36	120.19	126.72
14	H	836	CLA	CHD-C4C-C3C	-2.36	121.37	124.84
14	B	836	CLA	CMC-C2C-C1C	2.36	128.63	125.04
14	L	205	CLA	CMC-C2C-C1C	2.36	128.63	125.04
17	d	203	BCR	C36-C18-C19	-2.36	114.36	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	802	CLA	C4D-C3D-CAD	2.36	110.88	108.10
14	A	838	CLA	CMD-C2D-C3D	-2.36	122.19	127.61
14	A	808	CLA	CMB-C2B-C1B	2.36	132.09	128.46
14	A	806	CLA	C1-C2-C3	-2.36	121.96	126.04
14	G	813	CLA	O1D-CGD-CBD	-2.36	119.66	124.48
14	L	202	CLA	C1D-CHD-C4C	-2.36	120.97	126.06
17	A	846	BCR	C3-C4-C5	-2.36	109.87	114.08
17	G	847	BCR	C39-C30-C25	-2.36	106.47	110.30
14	F	202	CLA	O2D-CGD-O1D	-2.36	119.23	123.84
14	H	827	CLA	C1-O2A-CGA	2.36	122.63	116.44
14	B	824	CLA	CMC-C2C-C1C	2.36	128.63	125.04
14	G	842	CLA	CHB-C4A-NA	2.36	127.77	124.51
14	A	833	CLA	C1-C2-C3	-2.35	121.97	126.04
14	A	809	CLA	C3C-C4C-NC	2.35	113.21	110.57
14	G	804	CLA	CHC-C1C-C2C	-2.35	120.21	126.72
14	Z	839	CLA	CGD-CBD-CAD	-2.35	103.11	110.73
14	G	808	CLA	CBC-CAC-C3C	-2.35	105.94	112.43
14	A	826	CLA	C3C-C4C-NC	2.35	113.21	110.57
14	K	102	CLA	CMB-C2B-C3B	2.35	129.08	124.68
14	A	843	CLA	CMA-C3A-C4A	2.35	118.10	111.77
17	U	1008	BCR	C40-C30-C25	-2.35	106.48	110.30
17	Q	201	BCR	C2-C3-C4	-2.35	106.12	111.38
14	B	826	CLA	CHA-C4D-ND	2.35	137.42	132.50
17	G	846	BCR	C37-C22-C23	2.35	121.78	118.08
14	H	826	CLA	C6-C5-C3	-2.35	107.29	113.45
14	A	838	CLA	C3D-C4D-ND	2.35	114.04	110.24
14	B	815	CLA	CMA-C3A-C4A	2.35	118.09	111.77
14	Y	822	CLA	CHC-C1C-C2C	-2.35	120.22	126.72
14	H	808	CLA	C3A-C2A-C1A	2.35	104.86	101.34
14	B	819	CLA	CMA-C3A-C4A	2.35	118.09	111.77
14	H	828	CLA	CMC-C2C-C3C	2.35	132.49	126.12
14	A	813	CLA	C4-C3-C5	2.35	119.22	115.27
14	G	853	CLA	C3C-C4C-NC	2.35	113.20	110.57
14	H	825	CLA	C4-C3-C5	2.35	119.22	115.27
17	S	1104	BCR	C30-C25-C24	2.35	122.42	115.78
14	Y	813	CLA	CHC-C1C-C2C	-2.35	120.23	126.72
14	G	823	CLA	O1D-CGD-CBD	-2.35	119.68	124.48
14	H	829	CLA	C4D-C3D-CAD	2.35	110.86	108.10
14	B	820	CLA	CAC-C3C-C4C	2.35	127.86	124.81
14	Z	831	CLA	CMB-C2B-C3B	2.35	129.07	124.68
14	H	818	CLA	C1-O2A-CGA	2.35	122.60	116.44
14	G	833	CLA	CHC-C1C-C2C	-2.35	120.23	126.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	833	CLA	C4D-C3D-CAD	2.35	110.86	108.10
17	I	101	BCR	C7-C6-C5	2.35	127.14	121.46
14	Y	825	CLA	CHC-C1C-C2C	-2.35	120.23	126.72
17	Y	846	BCR	C24-C23-C22	-2.35	122.69	126.23
14	G	840	CLA	CAA-C2A-C3A	-2.35	106.36	112.78
14	B	819	CLA	CHC-C1C-C2C	-2.34	120.24	126.72
17	I	102	BCR	C37-C22-C23	2.34	121.77	118.08
14	B	825	CLA	C3D-C4D-ND	2.34	114.03	110.24
14	Y	814	CLA	CMC-C2C-C1C	2.34	128.61	125.04
14	Z	828	CLA	C6-C5-C3	-2.34	107.31	113.45
14	H	824	CLA	C3C-C4C-NC	2.34	113.20	110.57
14	Y	804	CLA	CBC-CAC-C3C	-2.34	105.97	112.43
14	G	833	CLA	CHB-C4A-NA	2.34	127.75	124.51
17	Z	847	BCR	C12-C13-C14	2.34	122.53	118.94
14	B	834	CLA	CHC-C1C-C2C	-2.34	120.25	126.72
17	A	848	BCR	C30-C25-C26	-2.34	119.32	122.61
14	A	838	CLA	C4D-C3D-CAD	2.34	110.86	108.10
14	U	1003	CLA	C4D-C3D-CAD	2.34	110.86	108.10
14	Z	807	CLA	CMB-C2B-C3B	2.34	129.06	124.68
14	H	840	CLA	CED-O2D-CGD	2.34	121.23	115.94
14	A	830	CLA	O2A-CGA-CBA	2.34	119.25	111.91
14	H	827	CLA	C4D-C3D-CAD	2.34	110.85	108.10
14	Y	836	CLA	O2D-CGD-O1D	-2.34	119.26	123.84
14	J	101	CLA	C3C-C4C-NC	2.34	113.19	110.57
17	i	101	BCR	C12-C13-C14	2.34	122.53	118.94
14	Z	829	CLA	CHC-C1C-C2C	-2.34	120.25	126.72
14	A	811	CLA	CMA-C3A-C4A	2.34	118.06	111.77
14	Z	840	CLA	CMC-C2C-C1C	2.34	128.60	125.04
14	B	830	CLA	CHC-C1C-C2C	-2.34	120.25	126.72
14	G	806	CLA	C11-C12-C13	-2.34	108.36	115.92
14	L	202	CLA	C3D-C4D-ND	2.34	114.02	110.24
17	T	102	BCR	C7-C8-C9	-2.34	122.70	126.23
14	Z	805	CLA	O2D-CGD-O1D	-2.34	119.27	123.84
14	A	828	CLA	C4C-C3C-C2C	-2.34	103.49	106.90
14	Z	818	CLA	CAC-C3C-C4C	2.34	127.84	124.81
14	B	813	CLA	C4-C3-C5	2.34	119.20	115.27
17	Z	848	BCR	C33-C5-C6	-2.34	121.90	124.53
14	G	838	CLA	CED-O2D-CGD	2.34	121.22	115.94
14	A	807	CLA	CAA-C2A-C1A	2.34	119.63	111.97
14	A	854	CLA	CHB-C4A-NA	2.34	127.74	124.51
14	U	1006	CLA	CMB-C2B-C3B	2.34	129.05	124.68
14	Y	823	CLA	CMB-C2B-C3B	2.34	129.05	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	844	BCR	C1-C6-C5	-2.34	119.32	122.61
14	B	808	CLA	C7-C6-C5	-2.34	107.02	113.36
14	G	825	CLA	CED-O2D-CGD	2.34	121.22	115.94
14	B	830	CLA	C4C-C3C-C2C	-2.34	103.49	106.90
17	B	843	BCR	C1-C6-C5	-2.33	119.33	122.61
14	A	825	CLA	CMC-C2C-C1C	2.33	128.59	125.04
14	Z	819	CLA	C4D-C3D-CAD	2.33	110.85	108.10
14	A	838	CLA	CHA-C1A-NA	-2.33	121.05	126.40
14	G	803	CLA	CBC-CAC-C3C	-2.33	106.00	112.43
14	G	835	CLA	CED-O2D-CGD	2.33	121.21	115.94
14	Z	831	CLA	CMD-C2D-C3D	-2.33	122.25	127.61
14	H	812	CLA	C3C-C4C-NC	2.33	113.19	110.57
14	h	205	CLA	CHB-C4A-NA	2.33	127.73	124.51
14	Y	810	CLA	C4C-C3C-C2C	-2.33	103.50	106.90
14	Z	802	CLA	CAA-C2A-C1A	2.33	119.61	111.97
14	Y	837	CLA	CED-O2D-CGD	2.33	121.21	115.94
14	G	829	CLA	C3C-C4C-NC	2.33	113.18	110.57
17	V	101	BCR	C36-C18-C19	-2.33	114.41	118.08
14	A	829	CLA	CMC-C2C-C1C	2.33	128.59	125.04
14	G	832	CLA	CHC-C1C-C2C	-2.33	120.28	126.72
14	L	205	CLA	CHD-C4C-C3C	-2.33	121.42	124.84
14	G	835	CLA	O1D-CGD-CBD	-2.33	119.72	124.48
14	T	103	CLA	CHC-C1C-C2C	-2.33	120.28	126.72
14	B	804	CLA	CMC-C2C-C1C	2.33	128.59	125.04
14	B	829	CLA	CMC-C2C-C1C	2.33	128.59	125.04
14	B	820	CLA	C4D-C3D-CAD	2.33	110.84	108.10
17	M	101	BCR	C38-C26-C25	-2.33	121.91	124.53
14	Z	811	CLA	CMB-C2B-C3B	2.33	129.03	124.68
14	B	831	CLA	C3C-C4C-NC	2.33	113.18	110.57
14	Y	820	CLA	C3C-C4C-NC	2.33	113.18	110.57
14	Y	816	CLA	CED-O2D-CGD	2.33	121.20	115.94
14	A	832	CLA	C1D-CHD-C4C	-2.33	121.04	126.06
14	Z	806	CLA	OBD-CAD-C3D	-2.33	122.92	128.52
14	A	808	CLA	CMD-C2D-C3D	-2.33	122.26	127.61
14	A	806	CLA	CMA-C3A-C4A	2.33	118.03	111.77
14	Z	819	CLA	CMC-C2C-C1C	2.33	128.58	125.04
14	H	811	CLA	CMB-C2B-C3B	2.33	129.03	124.68
17	A	847	BCR	C23-C22-C21	2.33	122.51	118.94
14	B	834	CLA	CMD-C2D-C3D	-2.33	122.26	127.61
14	B	836	CLA	O1D-CGD-CBD	-2.33	119.73	124.48
14	Y	814	CLA	C4D-CHA-C1A	2.32	124.08	121.25
14	Y	824	CLA	CMD-C2D-C3D	-2.32	122.27	127.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	838	CLA	CHB-C4A-NA	2.32	127.73	124.51
14	S	1101	CLA	O2D-CGD-O1D	-2.32	119.29	123.84
17	Z	850	BCR	C30-C25-C26	-2.32	119.34	122.61
14	H	851	CLA	C3D-C4D-ND	2.32	114.00	110.24
14	B	828	CLA	C4D-C3D-CAD	2.32	110.83	108.10
14	H	808	CLA	C1D-CHD-C4C	-2.32	121.05	126.06
14	G	819	CLA	CMA-C3A-C4A	2.32	118.01	111.77
14	B	829	CLA	O1D-CGD-CBD	-2.32	119.73	124.48
14	Z	805	CLA	C4-C3-C5	2.32	119.18	115.27
14	A	824	CLA	CMC-C2C-C1C	2.32	128.57	125.04
14	J	101	CLA	CMB-C2B-C3B	2.32	129.02	124.68
14	B	816	CLA	CHC-C1C-C2C	-2.32	120.30	126.72
14	Z	838	CLA	CMD-C2D-C3D	-2.32	122.28	127.61
17	H	842	BCR	C4-C5-C6	-2.32	119.36	122.73
17	R	101	BCR	C35-C13-C14	-2.32	119.67	122.92
17	T	102	BCR	C36-C18-C19	-2.32	114.42	118.08
14	h	201	CLA	CMA-C3A-C4A	2.32	118.01	111.77
17	Z	844	BCR	C32-C1-C6	-2.32	106.54	110.30
14	U	1003	CLA	CHC-C1C-C2C	-2.32	120.31	126.72
14	H	817	CLA	C6-C5-C3	-2.32	107.38	113.45
14	G	833	CLA	CMB-C2B-C3B	2.32	129.02	124.68
14	Z	841	CLA	C1-C2-C3	-2.32	122.03	126.04
14	H	825	CLA	CHD-C4C-C3C	-2.32	121.43	124.84
14	H	819	CLA	O2D-CGD-O1D	-2.32	119.31	123.84
17	Z	844	BCR	C27-C26-C25	-2.32	119.36	122.73
14	B	809	CLA	CHA-C1A-NA	-2.32	121.09	126.40
13	Y	801	CL0	C3D-C4D-ND	2.32	113.99	110.24
14	A	827	CLA	CGD-CBD-CAD	-2.32	103.23	110.73
14	A	840	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	B	822	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	Y	822	CLA	CMA-C3A-C4A	2.32	118.00	111.77
17	Y	846	BCR	C15-C14-C13	-2.32	124.00	127.31
14	Y	837	CLA	CAA-CBA-CGA	-2.32	106.49	113.25
14	B	824	CLA	CBC-CAC-C3C	-2.32	106.05	112.43
14	B	809	CLA	CHC-C1C-C2C	-2.32	120.32	126.72
14	A	825	CLA	CHD-C4C-C3C	-2.32	121.44	124.84
14	L	202	CLA	O1D-CGD-CBD	-2.32	119.75	124.48
14	Y	827	CLA	CED-O2D-CGD	2.31	121.17	115.94
14	Y	817	CLA	O2D-CGD-O1D	-2.31	119.31	123.84
17	Z	845	BCR	C8-C9-C10	2.31	122.49	118.94
17	S	1105	BCR	C33-C5-C4	2.31	118.06	113.62
14	Y	835	CLA	CED-O2D-CGD	2.31	121.17	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	810	CLA	CMD-C2D-C3D	-2.31	122.29	127.61
14	G	838	CLA	C4D-C3D-CAD	2.31	110.82	108.10
14	Z	809	CLA	C3A-C2A-C1A	2.31	104.80	101.34
14	H	819	CLA	C4C-C3C-C2C	-2.31	103.53	106.90
14	f	102	CLA	CMD-C2D-C3D	-2.31	122.30	127.61
14	Y	814	CLA	C4D-C3D-CAD	2.31	110.82	108.10
14	B	802	CLA	CMD-C2D-C3D	-2.31	122.30	127.61
14	H	826	CLA	C4C-C3C-C2C	-2.31	103.53	106.90
14	K	102	CLA	CAC-C3C-C4C	2.31	127.81	124.81
14	U	1007	CLA	CMC-C2C-C1C	2.31	128.56	125.04
17	Q	201	BCR	C37-C22-C23	2.31	121.72	118.08
17	B	843	BCR	C7-C8-C9	-2.31	122.75	126.23
14	Z	812	CLA	C4-C3-C2	-2.31	117.76	123.68
14	Z	808	CLA	CHC-C1C-C2C	-2.31	120.34	126.72
14	K	102	CLA	C4D-C3D-CAD	2.31	110.81	108.10
14	L	205	CLA	CHB-C4A-NA	2.31	127.70	124.51
14	d	202	CLA	O2D-CGD-O1D	-2.31	119.33	123.84
17	h	202	BCR	C7-C8-C9	-2.31	122.75	126.23
17	U	1008	BCR	C38-C26-C27	2.31	118.05	113.62
17	A	847	BCR	C32-C1-C6	2.31	114.04	110.30
14	B	820	CLA	CMD-C2D-C3D	-2.30	122.31	127.61
14	L	206	CLA	CAA-C2A-C3A	-2.30	106.47	112.78
14	U	1003	CLA	CMB-C2B-C1B	-2.30	124.92	128.46
14	G	803	CLA	C1-C2-C3	-2.30	122.06	126.04
17	J	104	BCR	C31-C1-C6	-2.30	106.56	110.30
14	H	804	CLA	CMD-C2D-C3D	-2.30	122.32	127.61
14	Y	802	CLA	CHC-C1C-C2C	-2.30	120.36	126.72
14	A	831	CLA	O2D-CGD-O1D	-2.30	119.34	123.84
14	Z	839	CLA	C4D-C3D-CAD	2.30	110.81	108.10
14	H	806	CLA	CED-O2D-CGD	2.30	121.14	115.94
14	U	1003	CLA	C6-C5-C3	-2.30	107.42	113.45
14	Z	810	CLA	O2D-CGD-CBD	2.30	115.36	111.27
14	d	201	CLA	O1D-CGD-CBD	-2.30	119.78	124.48
14	B	808	CLA	CHA-C1A-NA	-2.30	121.13	126.40
14	Y	839	CLA	C4C-C3C-C2C	-2.30	103.55	106.90
14	Y	809	CLA	C6-C5-C3	-2.30	107.42	113.45
17	h	202	BCR	C28-C27-C26	-2.30	109.97	114.08
14	B	839	CLA	C4D-C3D-CAD	2.30	110.81	108.10
15	H	841	PQN	C21-C20-C18	-2.30	108.49	115.92
14	Y	809	CLA	CHC-C1C-C2C	-2.30	120.36	126.72
14	A	834	CLA	CHD-C4C-C3C	-2.30	121.46	124.84
14	A	838	CLA	CMC-C2C-C1C	2.30	128.54	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	803	CLA	CHC-C1C-C2C	-2.30	120.36	126.72
14	B	807	CLA	CMB-C2B-C3B	2.30	128.98	124.68
14	H	810	CLA	C4D-C3D-CAD	2.30	110.80	108.10
14	Y	836	CLA	C16-C15-C13	-2.30	108.49	115.92
14	Z	837	CLA	C4-C3-C5	2.30	119.14	115.27
14	G	832	CLA	CMC-C2C-C1C	2.30	128.54	125.04
14	H	840	CLA	CMB-C2B-C1B	2.30	131.99	128.46
14	B	805	CLA	CMC-C2C-C1C	2.30	128.54	125.04
14	G	810	CLA	CHC-C1C-C2C	-2.30	120.37	126.72
17	Y	844	BCR	C2-C3-C4	-2.30	106.25	111.38
14	H	815	CLA	O2D-CGD-O1D	-2.30	119.35	123.84
14	Z	811	CLA	CHA-C1A-NA	-2.30	121.14	126.40
17	Z	844	BCR	C38-C26-C25	-2.30	121.95	124.53
14	A	833	CLA	C3C-C4C-NC	2.30	113.14	110.57
14	X	1701	CLA	CMC-C2C-C1C	2.29	128.53	125.04
14	Z	837	CLA	CMC-C2C-C1C	2.29	128.53	125.04
14	A	842	CLA	CMA-C3A-C4A	2.29	117.94	111.77
14	G	834	CLA	O2A-C1-C2	2.29	114.67	108.64
14	A	821	CLA	CED-O2D-CGD	2.29	121.13	115.94
14	B	808	CLA	CMD-C2D-C3D	-2.29	122.34	127.61
14	Z	814	CLA	CHD-C1D-ND	-2.29	122.35	124.45
17	Y	847	BCR	C28-C27-C26	-2.29	109.98	114.08
14	S	1103	CLA	C4D-C3D-CAD	2.29	110.80	108.10
14	A	836	CLA	CHB-C4A-NA	2.29	127.68	124.51
18	Y	850	LHG	O10-C23-C24	-2.29	114.79	123.73
17	I	101	BCR	C8-C7-C6	-2.29	120.76	127.20
14	h	204	CLA	CHC-C1C-C2C	-2.29	120.38	126.72
14	H	815	CLA	CED-O2D-CGD	2.29	121.12	115.94
14	A	841	CLA	CHC-C1C-C2C	-2.29	120.38	126.72
14	G	840	CLA	C1-O2A-CGA	2.29	122.46	116.44
14	Z	809	CLA	CAA-C2A-C1A	-2.29	104.47	111.97
14	Y	818	CLA	C4D-C3D-CAD	2.29	110.80	108.10
17	Y	848	BCR	C37-C22-C23	2.29	121.69	118.08
14	H	825	CLA	CMA-C3A-C4A	2.29	117.93	111.77
14	Y	832	CLA	CHA-C1A-NA	-2.29	121.15	126.40
14	G	831	CLA	CMD-C2D-C3D	-2.29	122.34	127.61
14	Z	806	CLA	CMD-C2D-C3D	-2.29	122.34	127.61
14	G	826	CLA	C1-C2-C3	-2.29	122.08	126.04
14	A	819	CLA	C1D-CHD-C4C	-2.29	121.12	126.06
14	B	812	CLA	C1-C2-C3	-2.29	122.08	126.04
14	B	812	CLA	CHB-C4A-NA	2.29	127.68	124.51
14	Z	826	CLA	CAA-C2A-C3A	-2.29	106.51	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	820	CLA	CHC-C1C-C2C	-2.29	120.39	126.72
14	Z	809	CLA	CMB-C2B-C1B	2.29	131.98	128.46
14	Y	823	CLA	CHC-C1C-C2C	-2.29	120.39	126.72
14	Y	812	CLA	C4-C3-C2	-2.29	117.81	123.68
14	Y	818	CLA	OBD-CAD-C3D	-2.29	123.02	128.52
17	A	850	BCR	C28-C27-C26	-2.29	109.99	114.08
14	H	817	CLA	C7-C6-C5	-2.29	107.15	113.36
14	A	834	CLA	CED-O2D-CGD	2.29	121.11	115.94
14	G	814	CLA	C3C-C4C-NC	2.29	113.13	110.57
14	G	825	CLA	CMB-C2B-C3B	2.28	128.95	124.68
14	B	818	CLA	CMD-C2D-C3D	-2.28	122.36	127.61
14	Y	802	CLA	CHB-C4A-NA	2.28	127.67	124.51
17	H	842	BCR	C38-C26-C27	2.28	118.00	113.62
14	L	201	CLA	C11-C10-C8	-2.28	108.54	115.92
14	h	201	CLA	C3D-C4D-ND	2.28	113.93	110.24
14	Z	809	CLA	C3C-C4C-NC	2.28	113.13	110.57
17	F	201	BCR	C24-C25-C26	2.28	126.99	121.46
14	Y	812	CLA	CHC-C1C-C2C	-2.28	120.42	126.72
14	G	806	CLA	CHD-C4C-C3C	-2.28	121.49	124.84
17	Q	203	BCR	C1-C6-C5	-2.28	119.40	122.61
14	H	821	CLA	CED-O2D-CGD	2.28	121.09	115.94
14	Y	802	CLA	C3D-C4D-ND	2.28	113.92	110.24
14	A	840	CLA	C1-O2A-CGA	2.28	122.42	116.44
14	G	809	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
14	B	819	CLA	CMC-C2C-C1C	2.28	128.51	125.04
14	G	829	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
14	G	841	CLA	C6-C7-C8	-2.28	108.56	115.92
14	L	201	CLA	C3D-C4D-ND	2.28	113.92	110.24
14	Y	838	CLA	CMD-C2D-C3D	-2.28	122.38	127.61
15	B	841	PQN	C11-C3-C4	2.28	120.94	118.50
17	f	103	BCR	C37-C22-C23	2.28	121.66	118.08
14	S	1102	CLA	C3C-C4C-NC	2.28	113.12	110.57
14	Z	825	CLA	C4-C3-C5	2.28	119.10	115.27
14	f	102	CLA	CED-O2D-CGD	2.28	121.08	115.94
14	Z	840	CLA	C4C-C3C-C2C	-2.28	103.58	106.90
14	Z	821	CLA	C4D-C3D-CAD	2.28	110.78	108.10
14	Y	821	CLA	CAA-C2A-C3A	-2.28	106.55	112.78
14	H	832	CLA	CMC-C2C-C1C	2.28	128.50	125.04
14	A	825	CLA	CMA-C3A-C4A	2.28	117.89	111.77
14	B	836	CLA	C1-O2A-CGA	2.28	122.41	116.44
14	Z	831	CLA	CHB-C4A-NA	2.28	127.66	124.51
14	Z	840	CLA	CHB-C4A-NA	2.28	127.66	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	836	CLA	C1D-CHD-C4C	-2.27	121.15	126.06
17	B	843	BCR	C8-C7-C6	-2.27	120.81	127.20
14	H	838	CLA	CMD-C2D-C3D	-2.27	122.38	127.61
14	L	206	CLA	C3C-C4C-NC	2.27	113.12	110.57
17	B	846	BCR	C7-C8-C9	-2.27	122.80	126.23
17	L	207	BCR	C29-C28-C27	-2.27	106.30	111.38
14	H	818	CLA	CMB-C2B-C3B	2.27	128.93	124.68
14	B	826	CLA	C3C-C4C-NC	2.27	113.12	110.57
14	Y	813	CLA	CMC-C2C-C1C	2.27	128.50	125.04
14	B	840	CLA	C2A-C3A-C4A	-2.27	98.20	101.87
13	G	801	CL0	CHC-C1C-C2C	-2.27	120.44	126.72
14	G	812	CLA	CED-O2D-CGD	2.27	121.08	115.94
17	Z	848	BCR	C3-C4-C5	-2.27	110.02	114.08
14	H	839	CLA	CHD-C4C-C3C	-2.27	121.50	124.84
14	B	829	CLA	CHC-C1C-C2C	-2.27	120.44	126.72
14	H	835	CLA	OBD-CAD-C3D	-2.27	123.06	128.52
14	Z	817	CLA	CMD-C2D-C3D	-2.27	122.39	127.61
14	H	831	CLA	CMA-C3A-C4A	2.27	117.88	111.77
14	L	201	CLA	CED-O2D-CGD	2.27	121.07	115.94
14	G	817	CLA	C3C-C4C-NC	2.27	113.12	110.57
14	B	825	CLA	C6-C5-C3	-2.27	107.50	113.45
14	G	810	CLA	CMC-C2C-C1C	2.27	128.50	125.04
14	G	833	CLA	C3C-C4C-NC	2.27	113.12	110.57
14	A	823	CLA	CAC-C3C-C4C	2.27	127.75	124.81
14	B	804	CLA	CAC-C3C-C4C	2.27	127.75	124.81
14	H	809	CLA	CBA-CAA-C2A	-2.27	107.17	113.86
14	B	835	CLA	CHC-C1C-C2C	-2.27	120.45	126.72
14	f	101	CLA	CMC-C2C-C1C	2.27	128.49	125.04
14	H	818	CLA	CHC-C1C-C2C	-2.27	120.45	126.72
14	Z	811	CLA	C3D-C4D-ND	2.27	113.91	110.24
14	H	818	CLA	CED-O2D-CGD	2.27	121.07	115.94
14	Y	831	CLA	C3D-C4D-ND	2.27	113.91	110.24
15	A	844	PQN	C11-C12-C13	-2.27	123.02	126.79
14	A	817	CLA	CAC-C3C-C4C	2.27	127.75	124.81
17	Y	848	BCR	C27-C26-C25	-2.27	119.44	122.73
14	Z	803	CLA	CED-O2D-CGD	2.27	121.06	115.94
14	Z	830	CLA	C6-C5-C3	-2.27	107.51	113.45
14	h	205	CLA	C6-C5-C3	-2.27	107.51	113.45
14	H	822	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	H	830	CLA	CMB-C2B-C1B	2.27	131.95	128.46
14	H	832	CLA	C3C-C4C-NC	2.27	113.11	110.57
14	A	818	CLA	C1-O2A-CGA	2.27	122.39	116.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	853	CLA	CMC-C2C-C3C	2.27	132.27	126.12
14	Z	817	CLA	CHD-C4C-C3C	-2.27	121.51	124.84
14	d	201	CLA	CHB-C4A-NA	2.26	127.64	124.51
14	A	837	CLA	C4D-C3D-CAD	2.26	110.77	108.10
14	G	830	CLA	O2D-CGD-O1D	-2.26	119.41	123.84
14	Z	814	CLA	CHD-C4C-C3C	-2.26	121.51	124.84
14	A	833	CLA	CHC-C1C-C2C	-2.26	120.46	126.72
14	G	834	CLA	CED-O2D-CGD	2.26	121.06	115.94
14	H	851	CLA	CMC-C2C-C1C	2.26	128.49	125.04
13	A	801	CL0	CMD-C2D-C3D	-2.26	122.41	127.61
14	Y	825	CLA	C4C-C3C-C2C	-2.26	103.60	106.90
17	V	101	BCR	C8-C7-C6	-2.26	120.85	127.20
14	Y	806	CLA	CAA-C2A-C3A	-2.26	106.58	112.78
14	A	816	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	Z	837	CLA	CAC-C3C-C2C	2.26	131.40	127.53
14	B	829	CLA	CMB-C2B-C3B	2.26	128.91	124.68
14	A	812	CLA	OBD-CAD-C3D	-2.26	123.08	128.52
14	Z	807	CLA	C4-C3-C5	2.26	119.07	115.27
14	H	830	CLA	CAC-C3C-C4C	2.26	127.74	124.81
14	Y	810	CLA	CMC-C2C-C1C	2.26	128.48	125.04
14	A	817	CLA	CMA-C3A-C4A	2.26	117.84	111.77
14	A	840	CLA	CED-O2D-CGD	2.26	121.05	115.94
14	Y	833	CLA	CED-O2D-CGD	2.26	121.05	115.94
14	A	818	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	Y	806	CLA	CHC-C1C-C2C	-2.26	120.47	126.72
17	Y	848	BCR	C38-C26-C25	-2.26	121.99	124.53
14	A	836	CLA	CMD-C2D-C3D	-2.26	122.42	127.61
14	G	832	CLA	C3C-C4C-NC	2.26	113.10	110.57
14	Y	813	CLA	CED-O2D-CGD	2.26	121.04	115.94
14	Y	825	CLA	C11-C10-C8	-2.26	108.63	115.92
14	B	837	CLA	CHC-C1C-C2C	-2.26	120.48	126.72
14	Y	807	CLA	C3C-C4C-NC	2.26	113.10	110.57
17	Y	853	BCR	C33-C5-C4	2.26	117.95	113.62
14	G	842	CLA	C3C-C4C-NC	2.25	113.10	110.57
14	G	827	CLA	O2D-CGD-O1D	-2.25	119.43	123.84
14	Q	202	CLA	CHC-C1C-C2C	-2.25	120.49	126.72
14	A	841	CLA	C4C-C3C-C2C	-2.25	103.61	106.90
14	Z	824	CLA	C1-C2-C3	-2.25	122.14	126.04
14	H	802	CLA	CMA-C3A-C4A	2.25	117.83	111.77
14	B	804	CLA	O2A-CGA-CBA	2.25	118.98	111.91
14	B	823	CLA	C1-C2-C3	-2.25	122.15	126.04
14	G	852	CLA	O2D-CGD-O1D	-2.25	119.43	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	845	BCR	C24-C25-C26	-2.25	116.01	121.46
14	Z	826	CLA	CBA-CAA-C2A	2.25	120.51	113.86
14	H	831	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	H	851	CLA	CHC-C1C-C2C	-2.25	120.49	126.72
14	Z	835	CLA	O2D-CGD-CBD	2.25	115.27	111.27
14	Z	807	CLA	CHD-C1D-ND	-2.25	122.39	124.45
14	H	836	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	Y	834	CLA	CAC-C3C-C4C	2.25	127.73	124.81
17	Y	852	BCR	C36-C18-C19	-2.25	114.53	118.08
14	H	817	CLA	CHC-C1C-C2C	-2.25	120.50	126.72
13	G	801	CL0	CMD-C2D-C3D	-2.25	122.44	127.61
14	A	838	CLA	CED-O2D-CGD	2.25	121.03	115.94
14	B	840	CLA	O2A-CGA-CBA	2.25	118.97	111.91
14	G	821	CLA	C3C-C4C-NC	2.25	113.09	110.57
17	Y	847	BCR	C38-C26-C25	-2.25	122.00	124.53
14	H	807	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	Z	821	CLA	O2D-CGD-O1D	-2.25	119.44	123.84
14	H	836	CLA	O2D-CGD-O1D	-2.25	119.44	123.84
14	Y	809	CLA	CMA-C3A-C4A	2.25	117.82	111.77
14	H	818	CLA	C4D-C3D-CAD	2.25	110.75	108.10
14	B	819	CLA	O2D-CGD-O1D	-2.25	119.44	123.84
14	G	803	CLA	C3D-C4D-ND	2.25	113.87	110.24
14	G	809	CLA	C4-C3-C5	2.25	119.05	115.27
14	A	831	CLA	CMA-C3A-C4A	2.25	117.81	111.77
14	A	838	CLA	C5-C3-C4	2.25	119.56	114.60
14	H	837	CLA	OBD-CAD-C3D	-2.25	123.11	128.52
14	G	803	CLA	C1-O2A-CGA	2.25	122.34	116.44
14	G	814	CLA	C1D-CHD-C4C	-2.25	121.21	126.06
14	B	837	CLA	C4C-C3C-C2C	-2.25	103.62	106.90
14	B	804	CLA	C6-C5-C3	-2.25	107.57	113.45
14	H	840	CLA	C1D-CHD-C4C	-2.25	121.21	126.06
14	Z	831	CLA	CMA-C3A-C4A	2.24	117.81	111.77
14	Y	816	CLA	C4D-C3D-CAD	2.24	110.74	108.10
14	H	805	CLA	CMD-C2D-C3D	-2.24	122.45	127.61
14	H	836	CLA	CHC-C1C-C2C	-2.24	120.52	126.72
14	H	808	CLA	CMC-C2C-C1C	2.24	128.46	125.04
17	A	846	BCR	C24-C25-C26	2.24	126.90	121.46
14	G	812	CLA	CAC-C3C-C4C	2.24	127.72	124.81
14	B	825	CLA	CHA-C1A-NA	-2.24	121.26	126.40
14	G	810	CLA	C3C-C4C-NC	2.24	113.09	110.57
14	B	839	CLA	C1-C2-C3	-2.24	122.16	126.04
14	Y	818	CLA	C5-C3-C2	2.24	125.66	121.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L	205	CLA	C4C-C3C-C2C	-2.24	103.63	106.90
14	H	823	CLA	CAC-C3C-C4C	2.24	127.72	124.81
14	U	1007	CLA	CAA-C2A-C3A	-2.24	106.64	112.78
17	G	848	BCR	C28-C27-C26	-2.24	110.07	114.08
14	L	201	CLA	OBD-CAD-C3D	-2.24	123.12	128.52
14	A	824	CLA	C3C-C4C-NC	2.24	113.08	110.57
14	Z	841	CLA	C1-O2A-CGA	2.24	122.33	116.44
17	R	101	BCR	C2-C1-C6	2.24	113.93	110.48
14	Z	822	CLA	CHB-C4A-NA	2.24	127.61	124.51
14	G	853	CLA	O2A-CGA-CBA	2.24	121.23	114.03
14	H	810	CLA	C5-C3-C2	-2.24	116.58	121.12
14	Z	829	CLA	CHA-C1A-NA	-2.24	121.27	126.40
14	B	840	CLA	CMD-C2D-C3D	-2.24	122.46	127.61
14	F	202	CLA	OBD-CAD-C3D	-2.24	123.13	128.52
14	Y	817	CLA	C1-C2-C3	-2.24	122.17	126.04
14	A	834	CLA	C4D-C3D-CAD	2.24	110.74	108.10
14	A	805	CLA	CHC-C1C-C2C	-2.24	120.53	126.72
14	B	802	CLA	O2D-CGD-CBD	2.24	115.25	111.27
14	A	807	CLA	C1-C2-C3	-2.24	122.17	126.04
17	U	1008	BCR	C37-C22-C23	2.24	121.61	118.08
14	A	812	CLA	CED-O2D-CGD	2.24	121.00	115.94
14	A	831	CLA	C1-O2A-CGA	2.24	122.32	116.44
14	Y	831	CLA	C1D-CHD-C4C	-2.24	121.23	126.06
14	Y	805	CLA	C4-C3-C5	2.24	119.04	115.27
17	A	849	BCR	C37-C22-C23	2.24	121.60	118.08
14	B	824	CLA	C1-O2A-CGA	2.24	122.31	116.44
14	Y	821	CLA	O2D-CGD-O1D	-2.24	119.46	123.84
14	S	1101	CLA	O1D-CGD-CBD	-2.24	119.91	124.48
17	V	101	BCR	C7-C8-C9	-2.24	122.86	126.23
14	A	807	CLA	CHA-C1A-NA	-2.24	121.28	126.40
15	G	843	PQN	C21-C20-C18	-2.24	108.69	115.92
14	G	815	CLA	CHC-C1C-C2C	-2.24	120.54	126.72
14	A	810	CLA	C11-C12-C13	-2.24	108.69	115.92
14	Y	811	CLA	CAA-C2A-C3A	-2.23	106.66	112.78
14	A	833	CLA	C3D-C4D-ND	2.23	113.85	110.24
14	f	102	CLA	CMB-C2B-C3B	2.23	128.86	124.68
14	A	833	CLA	OBD-CAD-C3D	-2.23	123.14	128.52
14	B	835	CLA	C3C-C4C-NC	2.23	113.08	110.57
14	H	807	CLA	C1-C2-C3	-2.23	122.18	126.04
14	G	826	CLA	CHB-C4A-NA	2.23	127.60	124.51
14	Y	810	CLA	CMD-C2D-C3D	-2.23	122.48	127.61
14	A	809	CLA	CED-O2D-CGD	2.23	120.99	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	821	CLA	CMD-C2D-C3D	-2.23	122.48	127.61
14	H	824	CLA	CHA-C1A-NA	-2.23	121.28	126.40
14	H	839	CLA	C4D-C3D-CAD	2.23	110.73	108.10
14	W	1701	CLA	CGD-CBD-CAD	-2.23	103.50	110.73
14	Y	839	CLA	O1D-CGD-CBD	-2.23	119.92	124.48
14	H	806	CLA	C3D-C4D-ND	2.23	113.85	110.24
14	S	1102	CLA	CMD-C2D-C3D	-2.23	122.48	127.61
14	Z	828	CLA	O2D-CGD-O1D	-2.23	119.48	123.84
14	B	810	CLA	CBA-CAA-C2A	2.23	120.45	113.86
13	G	801	CL0	CED-O2D-CGD	2.23	120.98	115.94
14	Z	804	CLA	CHC-C1C-C2C	-2.23	120.55	126.72
14	A	830	CLA	C3D-C4D-CHA	-2.23	107.62	112.72
17	U	1008	BCR	C37-C22-C21	-2.23	119.80	122.92
14	Y	816	CLA	C3C-C4C-NC	2.23	113.07	110.57
14	Z	841	CLA	OBD-CAD-C3D	-2.23	123.15	128.52
14	G	834	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	H	805	CLA	C4D-C3D-CAD	2.23	110.72	108.10
17	A	849	BCR	C35-C13-C14	-2.23	119.80	122.92
14	A	828	CLA	CMD-C2D-C3D	-2.23	122.49	127.61
14	Y	816	CLA	CMD-C2D-C3D	-2.23	122.49	127.61
14	Z	810	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	B	809	CLA	C3D-C4D-ND	2.23	113.84	110.24
14	H	837	CLA	C2A-C1A-CHA	-2.23	119.96	123.86
14	G	813	CLA	C3C-C4C-NC	2.23	113.07	110.57
14	G	836	CLA	C3C-C4C-NC	2.23	113.07	110.57
17	M	101	BCR	C31-C1-C6	-2.23	106.69	110.30
14	H	810	CLA	CGD-CBD-CAD	-2.23	103.52	110.73
17	R	102	BCR	C29-C30-C25	-2.23	107.05	110.48
17	H	843	BCR	C28-C27-C26	-2.23	110.10	114.08
14	h	201	CLA	C4D-C3D-CAD	2.23	110.72	108.10
14	A	804	CLA	CHC-C1C-C2C	-2.23	120.56	126.72
14	Y	806	CLA	CMC-C2C-C1C	2.22	128.43	125.04
14	B	833	CLA	CHC-C1C-C2C	-2.22	120.57	126.72
14	Y	809	CLA	C4D-C3D-CAD	2.22	110.72	108.10
14	U	1006	CLA	CHC-C1C-C2C	-2.22	120.57	126.72
14	Z	841	CLA	O2D-CGD-O1D	-2.22	119.49	123.84
14	A	842	CLA	C3C-C4C-NC	2.22	113.06	110.57
14	B	803	CLA	CAC-C3C-C4C	2.22	127.69	124.81
14	G	836	CLA	CED-O2D-CGD	2.22	120.96	115.94
14	B	818	CLA	CHC-C1C-C2C	-2.22	120.58	126.72
13	Y	801	CL0	C4D-C3D-CAD	2.22	110.71	108.10
14	Z	828	CLA	C3C-C4C-NC	2.22	113.06	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	823	CLA	CMD-C2D-C3D	-2.22	122.50	127.61
14	Z	803	CLA	CBA-CAA-C2A	-2.22	107.31	113.86
14	H	830	CLA	C3D-C4D-ND	2.22	113.83	110.24
14	Z	835	CLA	CMA-C3A-C4A	2.22	117.74	111.77
14	Z	812	CLA	CHC-C1C-C2C	-2.22	120.58	126.72
17	H	844	BCR	C1-C6-C5	-2.22	119.49	122.61
14	Z	830	CLA	C1-O2A-CGA	2.22	122.27	116.44
14	Y	836	CLA	C3C-C4C-NC	2.22	113.06	110.57
17	f	103	BCR	C35-C13-C12	2.22	121.57	118.08
14	A	832	CLA	C4C-C3C-C2C	-2.22	103.66	106.90
17	Z	843	BCR	C12-C13-C14	2.22	122.34	118.94
17	R	102	BCR	C12-C13-C14	-2.22	115.54	118.94
14	G	827	CLA	C4D-C3D-CAD	2.22	110.71	108.10
14	A	827	CLA	C5-C3-C2	-2.22	116.63	121.12
14	A	815	CLA	CAA-CBA-CGA	-2.22	106.78	113.25
14	Y	806	CLA	OBD-CAD-C3D	-2.22	123.19	128.52
17	B	842	BCR	C31-C1-C6	-2.22	106.71	110.30
17	G	848	BCR	C29-C30-C25	-2.22	107.07	110.48
17	B	850	BCR	C29-C30-C25	-2.21	107.07	110.48
17	H	847	BCR	C36-C18-C19	-2.21	114.59	118.08
14	G	834	CLA	CHB-C4A-NA	2.21	127.57	124.51
19	H	848	LMG	O3-C3-C4	-2.21	105.23	110.35
14	A	803	CLA	C4D-C3D-CAD	2.21	110.70	108.10
14	K	101	CLA	CAC-C3C-C4C	2.21	127.68	124.81
14	A	820	CLA	O1D-CGD-CBD	-2.21	119.96	124.48
14	B	803	CLA	CMD-C2D-C3D	-2.21	122.53	127.61
14	T	101	CLA	CMA-C3A-C4A	2.21	117.72	111.77
17	M	101	BCR	C2-C3-C4	-2.21	106.44	111.38
14	Y	839	CLA	CAC-C3C-C4C	2.21	127.68	124.81
14	h	204	CLA	CHD-C4C-C3C	-2.21	121.59	124.84
14	Z	810	CLA	C3D-C4D-ND	2.21	113.81	110.24
14	G	831	CLA	C1D-CHD-C4C	-2.21	121.29	126.06
14	B	808	CLA	C11-C10-C8	-2.21	108.78	115.92
14	h	204	CLA	CHA-C1A-NA	-2.21	121.34	126.40
14	A	841	CLA	CAC-C3C-C2C	2.21	131.31	127.53
17	J	103	BCR	C35-C13-C12	-2.21	114.60	118.08
14	j	102	CLA	C3C-C4C-NC	2.21	113.05	110.57
17	V	101	BCR	C30-C25-C26	-2.21	119.50	122.61
17	Y	847	BCR	C8-C7-C6	-2.21	121.00	127.20
17	A	851	BCR	C30-C25-C26	-2.21	119.50	122.61
14	Z	836	CLA	CMD-C2D-C3D	-2.21	122.54	127.61
14	H	820	CLA	CHD-C4C-C3C	-2.21	121.60	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	815	CLA	CAA-CBA-CGA	2.21	118.36	112.51
14	X	1701	CLA	CED-O2D-CGD	2.21	120.93	115.94
14	B	826	CLA	C3D-C4D-ND	2.21	113.81	110.24
14	Z	814	CLA	C3D-C4D-ND	2.21	113.81	110.24
14	Z	804	CLA	C4A-NA-C1A	2.21	107.70	106.71
17	e	101	BCR	C7-C8-C9	-2.21	122.90	126.23
14	B	813	CLA	CAC-C3C-C4C	2.21	127.67	124.81
14	G	815	CLA	CHB-C4A-NA	2.21	127.56	124.51
14	A	803	CLA	CMA-C3A-C4A	2.20	117.70	111.77
17	L	208	BCR	C35-C13-C14	-2.20	119.83	122.92
14	G	842	CLA	CED-O2D-CGD	2.20	120.92	115.94
17	B	843	BCR	C24-C25-C26	2.20	126.80	121.46
17	Z	844	BCR	C3-C4-C5	-2.20	110.14	114.08
14	Z	839	CLA	CMB-C2B-C3B	2.20	128.80	124.68
14	Y	823	CLA	CMC-C2C-C1C	2.20	128.39	125.04
14	B	834	CLA	O2D-CGD-O1D	-2.20	119.53	123.84
14	B	837	CLA	O1D-CGD-CBD	-2.20	119.98	124.48
14	g	102	CLA	C4D-C3D-CAD	2.20	110.69	108.10
14	G	841	CLA	CHD-C4C-C3C	-2.20	121.60	124.84
14	B	811	CLA	O2D-CGD-O1D	-2.20	119.53	123.84
14	Y	818	CLA	CMD-C2D-C3D	-2.20	122.55	127.61
14	Y	824	CLA	CAC-C3C-C2C	2.20	131.29	127.53
14	G	807	CLA	CMC-C2C-C1C	2.20	128.39	125.04
14	B	819	CLA	CMD-C2D-C3D	-2.20	122.55	127.61
14	G	827	CLA	CHD-C4C-C3C	-2.20	121.61	124.84
14	Z	840	CLA	O2A-C1-C2	2.20	114.42	108.64
14	A	824	CLA	CBA-CAA-C2A	2.20	120.36	113.86
13	A	801	CL0	C5-C3-C2	-2.20	116.66	121.12
14	H	808	CLA	CAA-C2A-C3A	-2.20	106.75	112.78
14	G	803	CLA	CGD-CBD-CAD	-2.20	103.61	110.73
14	Z	811	CLA	C4D-CHA-C1A	2.20	123.93	121.25
14	H	803	CLA	CAA-C2A-C1A	2.20	119.18	111.97
14	A	805	CLA	C4D-C3D-CAD	2.20	110.69	108.10
14	B	811	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	Z	832	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	H	811	CLA	CHC-C1C-C2C	-2.20	120.64	126.72
14	Z	827	CLA	C3D-C4D-ND	2.20	113.79	110.24
14	Y	833	CLA	OBD-CAD-C3D	-2.20	123.23	128.52
14	G	820	CLA	C3C-C4C-NC	2.20	113.04	110.57
14	A	815	CLA	C1-C2-C3	-2.20	123.20	126.75
14	A	833	CLA	CHB-C4A-NA	2.20	127.55	124.51
17	U	1005	BCR	C38-C26-C27	2.20	117.84	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	845	BCR	C15-C14-C13	-2.20	124.17	127.31
17	H	843	BCR	C30-C25-C26	-2.20	119.52	122.61
14	G	842	CLA	CMA-C3A-C4A	2.19	117.67	111.77
14	G	806	CLA	C6-C7-C8	-2.19	108.83	115.92
14	Z	828	CLA	O2A-C1-C2	2.19	114.40	108.64
14	S	1101	CLA	CAC-C3C-C4C	2.19	127.66	124.81
14	Y	812	CLA	CMD-C2D-C3D	-2.19	122.57	127.61
14	Z	840	CLA	C1B-CHB-C4A	-2.19	125.77	130.12
14	Y	808	CLA	C5-C3-C2	-2.19	116.68	121.12
14	H	810	CLA	CHB-C4A-NA	2.19	127.54	124.51
14	H	803	CLA	C11-C10-C8	-2.19	108.84	115.92
14	A	806	CLA	CMC-C2C-C3C	2.19	132.06	126.12
14	H	813	CLA	CMD-C2D-C3D	-2.19	122.58	127.61
14	B	839	CLA	C6-C5-C3	-2.19	107.72	113.45
14	L	206	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	f	102	CLA	O2D-CGD-O1D	-2.19	119.56	123.84
14	G	825	CLA	C7-C6-C5	-2.19	107.42	113.36
14	Y	837	CLA	CHC-C1C-C2C	-2.19	120.67	126.72
14	H	801	CLA	C3C-C4C-NC	2.19	113.03	110.57
17	H	842	BCR	C7-C8-C9	-2.19	122.93	126.23
14	B	806	CLA	C1D-CHD-C4C	-2.19	121.34	126.06
14	H	836	CLA	C1D-CHD-C4C	-2.19	121.34	126.06
14	B	811	CLA	CMC-C2C-C3C	2.19	132.06	126.12
14	H	813	CLA	CED-O2D-CGD	2.19	120.88	115.94
14	B	837	CLA	C3D-C4D-ND	2.19	113.78	110.24
14	G	814	CLA	CHC-C1C-C2C	-2.19	120.67	126.72
14	F	202	CLA	C1D-CHD-C4C	-2.19	121.34	126.06
14	Z	804	CLA	CHB-C4A-NA	2.19	127.53	124.51
14	H	833	CLA	O2A-CGA-CBA	2.19	121.05	114.03
14	Z	825	CLA	C4D-C3D-CAD	2.19	110.67	108.10
14	G	833	CLA	O2D-CGD-O1D	-2.19	119.56	123.84
14	G	812	CLA	CHC-C1C-C2C	-2.19	120.68	126.72
14	G	811	CLA	C1-O2A-CGA	2.18	122.18	116.44
14	Z	820	CLA	C3C-C4C-NC	2.18	113.02	110.57
14	B	808	CLA	CAA-C2A-C1A	2.18	119.13	111.97
14	h	204	CLA	CHB-C4A-NA	2.18	127.53	124.51
14	F	202	CLA	C4D-C3D-CAD	2.18	110.67	108.10
14	G	814	CLA	O1D-CGD-CBD	-2.18	120.02	124.48
14	G	829	CLA	CHC-C1C-C2C	-2.18	120.69	126.72
14	A	809	CLA	CMB-C2B-C1B	2.18	131.82	128.46
14	G	841	CLA	O2D-CGD-CBD	2.18	115.14	111.27
14	B	840	CLA	C1-C2-C3	-2.18	122.27	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	851	CLA	O1D-CGD-CBD	-2.18	120.02	124.48
14	B	806	CLA	C6-C7-C8	-2.18	108.87	115.92
14	A	803	CLA	C1-O2A-CGA	2.18	122.16	116.44
17	B	844	BCR	C36-C18-C19	-2.18	114.64	118.08
14	J	102	CLA	CMD-C2D-C3D	-2.18	122.60	127.61
14	Z	821	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	Y	805	CLA	CAC-C3C-C4C	2.18	127.64	124.81
17	U	1008	BCR	C30-C25-C24	2.18	121.94	115.78
14	G	812	CLA	C5-C3-C2	-2.18	116.71	121.12
14	H	831	CLA	CGD-CBD-CAD	-2.18	103.68	110.73
14	A	842	CLA	CHC-C1C-C2C	-2.18	120.70	126.72
14	G	833	CLA	CMC-C2C-C1C	2.17	128.35	125.04
14	X	1701	CLA	CHC-C1C-C2C	-2.17	120.71	126.72
14	B	833	CLA	C3C-C4C-NC	2.17	113.01	110.57
17	Y	846	BCR	C36-C18-C19	-2.17	114.65	118.08
14	H	829	CLA	CMC-C2C-C1C	2.17	128.35	125.04
17	e	101	BCR	C31-C1-C6	2.17	113.82	110.30
14	Z	807	CLA	CHC-C1C-C2C	-2.17	120.71	126.72
14	B	838	CLA	C4D-C3D-CAD	2.17	110.66	108.10
14	Z	831	CLA	CHC-C1C-C2C	-2.17	120.71	126.72
14	A	827	CLA	CAA-C2A-C1A	-2.17	104.86	111.97
14	G	820	CLA	C1D-CHD-C4C	-2.17	121.37	126.06
14	H	831	CLA	O1D-CGD-CBD	-2.17	120.04	124.48
14	A	819	CLA	CED-O2D-CGD	2.17	120.85	115.94
14	A	805	CLA	C3C-C4C-NC	2.17	113.00	110.57
15	Z	842	PQN	O1-C1-C2	2.17	123.07	120.25
14	Y	823	CLA	CBA-CAA-C2A	2.17	120.27	113.86
14	B	809	CLA	CMB-C2B-C1B	2.17	131.80	128.46
17	M	101	BCR	C8-C9-C10	-2.17	115.61	118.94
14	B	828	CLA	CMD-C2D-C3D	-2.17	122.62	127.61
14	H	831	CLA	CAA-C2A-C1A	-2.17	104.87	111.97
17	Y	853	BCR	C7-C6-C5	-2.17	116.21	121.46
14	J	102	CLA	CHB-C4A-NA	2.17	127.51	124.51
14	A	839	CLA	C4-C3-C5	2.17	118.92	115.27
14	B	817	CLA	CHC-C1C-C2C	-2.17	120.73	126.72
14	H	829	CLA	CMC-C2C-C3C	2.17	132.00	126.12
14	Y	802	CLA	C6-C7-C8	-2.17	108.91	115.92
14	A	807	CLA	CED-O2D-CGD	2.17	120.84	115.94
17	R	102	BCR	C30-C25-C26	-2.17	119.56	122.61
14	Z	804	CLA	C3D-C4D-CHA	-2.17	107.77	112.72
17	A	850	BCR	C7-C8-C9	-2.17	122.96	126.23
14	Z	834	CLA	CAC-C3C-C4C	2.17	127.62	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	831	CLA	CHC-C1C-C2C	-2.17	120.73	126.72
14	G	826	CLA	C1-O2A-CGA	2.17	122.13	116.44
14	H	803	CLA	C1-O2A-CGA	2.17	122.13	116.44
14	A	843	CLA	CMB-C2B-C1B	2.17	131.79	128.46
14	Y	841	CLA	C3C-C4C-NC	2.17	113.00	110.57
17	U	1009	BCR	C28-C27-C26	-2.17	110.21	114.08
14	G	803	CLA	C1D-CHD-C4C	-2.17	121.39	126.06
14	Y	806	CLA	C1D-CHD-C4C	-2.17	121.39	126.06
14	H	820	CLA	CMC-C2C-C1C	2.16	128.34	125.04
14	B	828	CLA	C3C-C4C-NC	2.16	113.00	110.57
14	Y	808	CLA	C4C-C3C-C2C	-2.16	103.74	106.90
18	B	849	LHG	C5-O7-C7	-2.16	112.46	117.79
17	A	847	BCR	C37-C22-C23	2.16	121.49	118.08
17	U	1005	BCR	C32-C1-C6	-2.16	106.79	110.30
14	K	101	CLA	C3C-C4C-NC	2.16	113.00	110.57
17	H	847	BCR	C38-C26-C25	-2.16	122.10	124.53
14	G	822	CLA	CHB-C4A-NA	2.16	127.50	124.51
14	H	832	CLA	CHC-C1C-C2C	-2.16	120.74	126.72
14	Z	811	CLA	C4C-C3C-C2C	-2.16	103.75	106.90
14	G	834	CLA	CAA-C2A-C3A	-2.16	106.86	112.78
14	H	823	CLA	CMB-C2B-C3B	2.16	128.72	124.68
17	Z	844	BCR	C35-C13-C14	-2.16	119.89	122.92
14	G	841	CLA	O2D-CGD-O1D	-2.16	119.61	123.84
17	f	103	BCR	C35-C13-C14	-2.16	119.90	122.92
18	A	852	LHG	O4-P-O5	2.16	122.92	112.24
17	J	103	BCR	C7-C8-C9	-2.16	122.97	126.23
14	T	101	CLA	CHC-C1C-C2C	-2.16	120.75	126.72
17	Y	847	BCR	C24-C25-C26	-2.16	116.23	121.46
14	Y	808	CLA	C1-O2A-CGA	2.16	122.11	116.44
15	A	844	PQN	C26-C25-C23	-2.16	108.94	115.92
14	B	840	CLA	C4C-C3C-C2C	-2.16	103.75	106.90
14	H	828	CLA	CAC-C3C-C2C	2.16	131.22	127.53
14	Z	813	CLA	CMA-C3A-C4A	2.16	117.58	111.77
14	Y	811	CLA	CHC-C1C-C2C	-2.16	120.75	126.72
14	H	813	CLA	CMC-C2C-C1C	2.16	128.33	125.04
14	Y	802	CLA	CGD-CBD-CAD	-2.16	103.74	110.73
14	G	826	CLA	CMC-C2C-C3C	2.16	131.98	126.12
17	B	850	BCR	C30-C25-C26	-2.16	119.57	122.61
14	A	819	CLA	CHD-C4C-C3C	-2.16	121.67	124.84
14	L	202	CLA	CHA-C4D-ND	2.16	137.01	132.50
14	H	809	CLA	OBD-CAD-C3D	-2.16	123.33	128.52
14	Z	821	CLA	CBA-CAA-C2A	2.16	120.23	113.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	818	CLA	CHB-C4A-NA	2.16	127.50	124.51
14	Y	810	CLA	OBD-CAD-C3D	-2.16	123.33	128.52
14	B	817	CLA	C3C-C4C-NC	2.16	112.99	110.57
14	H	801	CLA	CMA-C3A-C4A	2.16	117.57	111.77
14	Z	801	CLA	CGD-CBD-CAD	2.16	117.72	110.73
14	G	813	CLA	CAC-C3C-C4C	2.16	127.61	124.81
14	G	830	CLA	CHB-C4A-NA	2.16	127.49	124.51
14	A	811	CLA	O1D-CGD-CBD	-2.16	120.07	124.48
14	Y	821	CLA	C1-O2A-CGA	2.16	122.10	116.44
14	Y	804	CLA	C3C-C4C-NC	2.16	112.99	110.57
13	G	801	CL0	CHA-C1A-NA	-2.16	121.46	126.40
14	h	204	CLA	C1D-CHD-C4C	-2.16	121.41	126.06
14	B	831	CLA	CMC-C2C-C3C	2.15	131.97	126.12
14	H	833	CLA	CAC-C3C-C4C	2.15	127.61	124.81
17	B	844	BCR	C2-C1-C6	-2.15	107.17	110.48
14	Y	808	CLA	C4D-C3D-CAD	2.15	110.63	108.10
14	Z	809	CLA	O2D-CGD-O1D	-2.15	119.63	123.84
14	H	837	CLA	CED-O2D-CGD	2.15	120.81	115.94
14	B	814	CLA	CHC-C1C-C2C	-2.15	120.77	126.72
14	d	201	CLA	C1D-CHD-C4C	-2.15	121.41	126.06
14	G	839	CLA	OBD-CAD-C3D	-2.15	123.34	128.52
14	G	827	CLA	C1-C2-C3	-2.15	122.32	126.04
14	Y	820	CLA	O2D-CGD-O1D	-2.15	119.63	123.84
14	A	840	CLA	CMB-C2B-C1B	2.15	131.77	128.46
14	B	822	CLA	CMD-C2D-C3D	-2.15	122.66	127.61
14	Z	824	CLA	C3C-C4C-NC	2.15	112.98	110.57
14	G	827	CLA	CED-O2D-CGD	2.15	120.80	115.94
14	Y	814	CLA	O2D-CGD-O1D	-2.15	119.63	123.84
14	Y	814	CLA	C1-O2A-CGA	2.15	122.09	116.44
14	Z	807	CLA	CAA-C2A-C3A	-2.15	106.89	112.78
14	Y	816	CLA	CHC-C1C-C2C	-2.15	120.78	126.72
14	A	841	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	Y	803	CLA	CMA-C3A-C4A	2.15	117.55	111.77
14	A	826	CLA	CAA-CBA-CGA	-2.15	106.97	113.25
17	Z	845	BCR	C15-C14-C13	-2.15	124.24	127.31
14	B	829	CLA	CMA-C3A-C4A	2.15	117.55	111.77
14	A	829	CLA	CMA-C3A-C4A	2.15	117.55	111.77
14	B	837	CLA	CHB-C4A-NA	2.15	127.48	124.51
17	Z	847	BCR	C4-C5-C6	-2.15	119.61	122.73
17	G	846	BCR	C31-C1-C6	-2.15	106.81	110.30
17	S	1105	BCR	C38-C26-C25	-2.15	122.12	124.53
17	G	845	BCR	C35-C13-C12	-2.15	114.69	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	848	BCR	C1-C6-C7	2.15	121.85	115.78
14	G	817	CLA	O1D-CGD-CBD	-2.15	120.09	124.48
14	H	801	CLA	O2A-C1-C2	2.15	114.27	108.64
14	G	818	CLA	C3C-C4C-NC	2.15	112.98	110.57
14	H	824	CLA	C4D-C3D-CAD	2.14	110.62	108.10
14	Z	838	CLA	OBD-CAD-C3D	-2.14	123.36	128.52
14	Y	817	CLA	C4D-C3D-CAD	2.14	110.62	108.10
14	B	804	CLA	C1-C2-C3	-2.14	122.33	126.04
14	H	804	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
14	G	842	CLA	CMB-C2B-C3B	2.14	128.69	124.68
14	Z	829	CLA	C4D-C3D-CAD	2.14	110.62	108.10
14	B	806	CLA	CMB-C2B-C1B	2.14	131.76	128.46
14	U	1002	CLA	C4C-C3C-C2C	-2.14	103.77	106.90
14	B	823	CLA	O1D-CGD-CBD	-2.14	120.10	124.48
14	B	810	CLA	CMD-C2D-C3D	-2.14	122.69	127.61
14	G	836	CLA	CHC-C1C-C2C	-2.14	120.80	126.72
14	Z	827	CLA	C3C-C4C-NC	2.14	112.97	110.57
14	H	822	CLA	CMA-C3A-C4A	2.14	117.53	111.77
14	G	819	CLA	CHB-C4A-NA	2.14	127.47	124.51
14	B	831	CLA	CHC-C1C-C2C	-2.14	120.80	126.72
14	A	829	CLA	C4C-C3C-C2C	-2.14	103.78	106.90
14	L	206	CLA	CBA-CAA-C2A	-2.14	107.55	113.86
14	B	837	CLA	CAA-C2A-C3A	-2.14	106.92	112.78
17	S	1105	BCR	C30-C25-C24	2.14	121.83	115.78
14	Y	836	CLA	CMD-C2D-C3D	-2.14	122.70	127.61
14	S	1101	CLA	CMC-C2C-C1C	2.14	128.29	125.04
17	H	845	BCR	C38-C26-C25	-2.14	122.13	124.53
14	Y	820	CLA	CHC-C1C-C2C	-2.14	120.81	126.72
14	d	201	CLA	CMB-C2B-C3B	2.14	128.67	124.68
14	A	821	CLA	CHA-C1A-NA	-2.14	121.51	126.40
14	Z	833	CLA	CHC-C1C-C2C	-2.14	120.82	126.72
14	g	102	CLA	CHC-C1C-C2C	-2.13	120.82	126.72
14	A	827	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	A	828	CLA	CHB-C4A-NA	2.13	127.46	124.51
14	U	1006	CLA	C1D-CHD-C4C	-2.13	121.45	126.06
14	g	102	CLA	C4C-C3C-C2C	-2.13	103.79	106.90
14	A	828	CLA	CMB-C2B-C3B	2.13	128.67	124.68
14	B	812	CLA	CMD-C2D-C3D	-2.13	122.71	127.61
14	H	823	CLA	CMC-C2C-C1C	2.13	128.29	125.04
14	A	804	CLA	CHB-C4A-NA	2.13	127.46	124.51
14	B	832	CLA	CAA-C2A-C3A	-2.13	106.94	112.78
14	G	853	CLA	CAA-C2A-C3A	-2.13	106.94	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	819	CLA	CAA-C2A-C1A	-2.13	104.99	111.97
14	H	816	CLA	CHC-C1C-C2C	-2.13	120.83	126.72
14	A	822	CLA	CMD-C2D-C3D	-2.13	122.71	127.61
14	Y	821	CLA	C4C-C3C-C2C	-2.13	103.79	106.90
14	Z	839	CLA	CMC-C2C-C1C	2.13	128.28	125.04
14	Z	813	CLA	C3C-C4C-NC	2.13	112.96	110.57
14	G	819	CLA	CMC-C2C-C3C	2.13	131.90	126.12
14	H	811	CLA	C5-C3-C2	2.13	125.43	121.12
14	B	831	CLA	C16-C15-C13	-2.13	109.03	115.92
14	G	827	CLA	C4C-C3C-C2C	-2.13	103.79	106.90
14	H	820	CLA	O2D-CGD-O1D	-2.13	119.67	123.84
14	Y	840	CLA	C1-O2A-CGA	2.13	122.03	116.44
14	H	834	CLA	OBD-CAD-C3D	-2.13	123.40	128.52
14	H	809	CLA	C3B-C4B-NB	2.13	111.96	109.21
14	Z	827	CLA	CMC-C2C-C3C	2.13	131.90	126.12
14	G	828	CLA	O1D-CGD-CBD	-2.13	120.13	124.48
14	H	828	CLA	C5-C3-C2	-2.13	116.81	121.12
14	B	813	CLA	CHC-C1C-C2C	-2.13	120.84	126.72
14	G	839	CLA	O1D-CGD-CBD	-2.13	120.13	124.48
14	G	838	CLA	CMC-C2C-C3C	2.13	131.89	126.12
14	B	836	CLA	CBA-CAA-C2A	-2.13	107.58	113.86
14	L	204	CLA	CHB-C4A-NA	2.13	127.45	124.51
14	A	826	CLA	C1-O2A-CGA	2.13	122.02	116.44
14	A	834	CLA	O2D-CGD-O1D	-2.13	119.68	123.84
14	Y	815	CLA	CHB-C4A-NA	2.13	127.45	124.51
14	h	206	CLA	CHD-C4C-C3C	-2.12	121.72	124.84
14	Z	805	CLA	C4D-C3D-CAD	2.12	110.60	108.10
14	d	201	CLA	CMD-C2D-C3D	-2.12	122.73	127.61
14	Z	827	CLA	O1D-CGD-CBD	-2.12	120.14	124.48
14	H	822	CLA	CHC-C1C-C2C	-2.12	120.85	126.72
14	B	827	CLA	C1D-CHD-C4C	-2.12	121.48	126.06
17	A	846	BCR	C7-C8-C9	-2.12	123.03	126.23
17	Z	845	BCR	C12-C13-C14	2.12	122.20	118.94
17	H	847	BCR	C33-C5-C4	2.12	117.69	113.62
14	Y	830	CLA	CHC-C1C-C2C	-2.12	120.85	126.72
14	H	809	CLA	CAA-C2A-C1A	2.12	118.93	111.97
14	B	822	CLA	C4D-C3D-CAD	2.12	110.60	108.10
14	Z	809	CLA	CHD-C4C-C3C	-2.12	121.72	124.84
14	G	842	CLA	CMD-C2D-C3D	-2.12	122.73	127.61
14	Z	834	CLA	CAA-C2A-C3A	-2.12	106.97	112.78
17	Z	847	BCR	C7-C6-C5	-2.12	116.33	121.46
14	B	834	CLA	CHB-C4A-NA	2.12	127.44	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	802	CLA	O2D-CGD-O1D	-2.12	119.69	123.84
14	Q	202	CLA	CAC-C3C-C4C	2.12	127.56	124.81
14	G	818	CLA	O1D-CGD-CBD	-2.12	120.15	124.48
14	B	809	CLA	CHD-C1D-C2D	-2.12	121.04	125.48
15	G	843	PQN	C14-C13-C15	2.12	118.83	115.27
14	Z	836	CLA	CHD-C4C-C3C	-2.12	121.73	124.84
14	H	817	CLA	C1-O2A-CGA	2.12	122.00	116.44
14	Y	833	CLA	CHB-C4A-NA	2.12	127.44	124.51
19	B	848	LMG	C19-C18-C17	2.12	125.17	114.42
17	U	1009	BCR	C8-C7-C6	-2.12	121.26	127.20
14	A	842	CLA	CMC-C2C-C1C	2.12	128.26	125.04
14	Z	809	CLA	C1D-CHD-C4C	-2.12	121.49	126.06
17	Z	848	BCR	C36-C18-C19	-2.12	114.74	118.08
14	H	815	CLA	CHB-C4A-NA	2.12	127.44	124.51
14	A	802	CLA	C3C-C4C-NC	2.12	112.94	110.57
13	A	801	CL0	CHC-C1C-C2C	-2.12	120.87	126.72
14	A	806	CLA	C1D-CHD-C4C	-2.12	121.49	126.06
14	B	837	CLA	C4D-C3D-CAD	2.12	110.59	108.10
14	B	834	CLA	CMC-C2C-C1C	2.12	128.26	125.04
17	H	847	BCR	C38-C26-C27	2.12	117.68	113.62
14	G	802	CLA	C1D-CHD-C4C	-2.11	121.50	126.06
14	U	1007	CLA	CHC-C1C-C2C	-2.11	120.87	126.72
14	B	818	CLA	C3C-C4C-NC	2.11	112.94	110.57
14	A	816	CLA	CHB-C4A-NA	2.11	127.44	124.51
14	Y	827	CLA	CMB-C2B-C3B	2.11	128.63	124.68
14	Y	813	CLA	C1-C2-C3	-2.11	122.39	126.04
14	Y	827	CLA	C1D-CHD-C4C	-2.11	121.50	126.06
14	B	830	CLA	CED-O2D-CGD	2.11	120.72	115.94
14	A	826	CLA	CMB-C2B-C3B	2.11	128.63	124.68
15	G	843	PQN	O1-C1-C10	-2.11	118.14	121.56
14	A	839	CLA	CMD-C2D-C3D	-2.11	122.75	127.61
14	A	818	CLA	CED-O2D-CGD	2.11	120.71	115.94
14	B	805	CLA	C1D-CHD-C4C	-2.11	121.50	126.06
14	H	811	CLA	O1D-CGD-CBD	-2.11	120.16	124.48
14	H	826	CLA	C4D-C3D-CAD	2.11	110.58	108.10
14	Y	823	CLA	O1D-CGD-CBD	-2.11	120.17	124.48
14	A	823	CLA	C3C-C4C-NC	2.11	112.94	110.57
14	A	843	CLA	CED-O2D-CGD	2.11	120.71	115.94
17	L	208	BCR	C23-C24-C25	-2.11	121.28	127.20
14	A	806	CLA	CHB-C4A-NA	2.11	127.43	124.51
14	G	852	CLA	C1-O2A-CGA	2.11	121.98	116.44
14	B	804	CLA	C4D-C3D-CAD	2.11	110.58	108.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	850	BCR	C7-C8-C9	-2.11	123.05	126.23
14	G	820	CLA	C5-C3-C2	-2.11	116.85	121.12
14	B	802	CLA	CHC-C1C-C2C	-2.11	120.89	126.72
14	Y	831	CLA	C3C-C4C-NC	2.11	112.94	110.57
14	A	803	CLA	CHB-C4A-NA	2.11	127.43	124.51
14	Y	818	CLA	C1D-CHD-C4C	-2.11	121.51	126.06
17	f	103	BCR	C23-C24-C25	-2.11	121.28	127.20
14	H	805	CLA	CBC-CAC-C3C	-2.11	106.62	112.43
14	J	102	CLA	C4D-C3D-CAD	2.11	110.58	108.10
14	H	818	CLA	CMD-C2D-C3D	-2.11	122.77	127.61
14	Z	830	CLA	CMC-C2C-C3C	2.11	131.84	126.12
14	Z	814	CLA	CHA-C4D-ND	2.11	136.91	132.50
17	B	847	BCR	C12-C13-C14	2.11	122.17	118.94
14	Z	826	CLA	CED-O2D-CGD	2.11	120.70	115.94
14	H	806	CLA	CMD-C2D-C3D	-2.11	122.77	127.61
14	J	101	CLA	CHC-C1C-C2C	-2.11	120.90	126.72
14	Y	835	CLA	C1D-CHD-C4C	-2.11	121.52	126.06
14	H	809	CLA	C4D-C3D-CAD	2.10	110.58	108.10
14	Z	831	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	A	841	CLA	CMC-C2C-C3C	2.10	131.83	126.12
14	G	825	CLA	CMD-C2D-C3D	-2.10	122.77	127.61
14	G	830	CLA	CAA-C2A-C3A	-2.10	107.01	112.78
14	L	204	CLA	CHC-C1C-C2C	-2.10	120.90	126.72
17	f	103	BCR	C7-C8-C9	-2.10	123.06	126.23
14	Y	834	CLA	CHC-C1C-C2C	-2.10	120.90	126.72
14	H	803	CLA	CMC-C2C-C1C	2.10	128.24	125.04
17	I	102	BCR	C37-C22-C21	-2.10	119.98	122.92
14	Z	826	CLA	CMA-C3A-C4A	2.10	117.42	111.77
14	A	831	CLA	C3C-C4C-NC	2.10	112.93	110.57
14	Y	829	CLA	CED-O2D-CGD	2.10	120.69	115.94
13	A	801	CL0	C11-C12-C13	-2.10	109.12	115.92
14	Z	806	CLA	C1-C2-C3	-2.10	122.41	126.04
14	A	828	CLA	C1D-CHD-C4C	-2.10	121.52	126.06
14	Z	803	CLA	CHC-C1C-C2C	-2.10	120.91	126.72
14	h	205	CLA	CAA-C2A-C1A	-2.10	105.09	111.97
14	Y	810	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	H	834	CLA	C3B-C4B-NB	2.10	111.93	109.21
14	A	808	CLA	CMC-C2C-C1C	2.10	128.24	125.04
14	H	811	CLA	CAC-C3C-C4C	2.10	127.53	124.81
14	H	821	CLA	O2D-CGD-O1D	-2.10	119.73	123.84
14	G	841	CLA	CMA-C3A-C4A	2.10	117.42	111.77
14	G	807	CLA	C1-C2-C3	-2.10	122.41	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	S	1103	CLA	CHB-C4A-NA	2.10	127.42	124.51
14	Z	836	CLA	C1D-CHD-C4C	-2.10	121.53	126.06
14	G	829	CLA	C4D-C3D-CAD	2.10	110.57	108.10
14	A	802	CLA	CAA-C2A-C3A	-2.10	107.03	112.78
14	A	818	CLA	CMB-C2B-C3B	2.10	128.60	124.68
14	U	1007	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	A	843	CLA	CMD-C2D-C3D	-2.10	122.79	127.61
14	Z	837	CLA	CMD-C2D-C3D	-2.10	122.79	127.61
14	U	1004	CLA	C3C-C4C-NC	2.10	112.92	110.57
14	G	812	CLA	CMC-C2C-C1C	2.10	128.23	125.04
17	Y	846	BCR	C3-C4-C5	-2.10	110.33	114.08
14	A	822	CLA	CHB-C4A-NA	2.10	127.41	124.51
14	Z	808	CLA	CED-O2D-CGD	2.10	120.68	115.94
14	G	807	CLA	CGD-CBD-CAD	-2.10	103.94	110.73
14	Y	827	CLA	CAA-CBA-CGA	-2.10	107.12	113.25
14	B	812	CLA	C16-C17-C18	-2.10	106.10	115.98
17	G	848	BCR	C30-C25-C24	2.10	121.71	115.78
14	Z	841	CLA	CMD-C2D-C3D	-2.10	122.79	127.61
17	H	846	BCR	C36-C18-C19	-2.10	114.77	118.08
14	A	835	CLA	C3C-C4C-NC	2.10	112.92	110.57
14	Z	820	CLA	CHB-C4A-NA	2.10	127.41	124.51
14	A	810	CLA	CED-O2D-CGD	2.10	120.68	115.94
17	A	851	BCR	C2-C3-C4	-2.10	106.69	111.38
17	f	103	BCR	C2-C1-C6	2.10	113.71	110.48
14	B	822	CLA	C1-O2A-CGA	2.10	121.94	116.44
15	Y	842	PQN	C2M-C2-C3	-2.10	120.98	124.40
14	B	802	CLA	CAA-C2A-C3A	-2.09	107.04	112.78
14	G	805	CLA	CMB-C2B-C3B	2.09	128.60	124.68
17	B	843	BCR	C12-C13-C14	2.09	122.16	118.94
18	H	849	LHG	O8-C23-C24	2.09	118.48	111.91
13	Y	801	CL0	CED-O2D-CGD	2.09	120.67	115.94
14	Z	823	CLA	C1-C2-C3	-2.09	122.42	126.04
14	A	806	CLA	C4D-C3D-CAD	2.09	110.56	108.10
14	H	804	CLA	CAA-C2A-C1A	-2.09	105.11	111.97
14	A	802	CLA	C1-C2-C3	-2.09	122.42	126.04
14	Z	834	CLA	CMC-C2C-C1C	2.09	128.23	125.04
14	Z	829	CLA	C4C-C3C-C2C	-2.09	103.85	106.90
14	A	824	CLA	CMA-C3A-C4A	2.09	117.40	111.77
14	Y	819	CLA	CMC-C2C-C1C	2.09	128.22	125.04
14	H	808	CLA	C2A-C3A-C4A	-2.09	98.49	101.87
14	Y	834	CLA	C4D-C3D-CAD	2.09	110.56	108.10
14	G	817	CLA	CHC-C1C-C2C	-2.09	120.94	126.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	809	CLA	CAC-C3C-C4C	2.09	127.52	124.81
14	H	825	CLA	C1D-CHD-C4C	-2.09	121.55	126.06
14	G	815	CLA	CGD-CBD-CAD	-2.09	103.96	110.73
14	J	102	CLA	CHC-C1C-C2C	-2.09	120.94	126.72
14	Z	841	CLA	CMC-C2C-C1C	2.09	128.22	125.04
14	h	205	CLA	C5-C3-C2	-2.09	116.89	121.12
14	Z	804	CLA	CMD-C2D-C3D	-2.09	122.81	127.61
14	G	827	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	h	201	CLA	CHC-C1C-C2C	-2.09	120.94	126.72
14	A	814	CLA	C3C-C4C-NC	2.09	112.91	110.57
14	Z	830	CLA	C3C-C4C-NC	2.09	112.91	110.57
14	B	813	CLA	C5-C3-C2	-2.09	116.89	121.12
14	H	809	CLA	O2D-CGD-CBD	2.09	114.98	111.27
14	Y	808	CLA	CHD-C4C-C3C	-2.09	121.77	124.84
14	A	828	CLA	CHD-C4C-C3C	-2.09	121.77	124.84
14	G	839	CLA	CAC-C3C-C4C	2.09	127.52	124.81
14	B	806	CLA	C16-C15-C13	-2.09	109.18	115.92
14	G	834	CLA	C4D-C3D-CAD	2.09	110.55	108.10
14	Y	809	CLA	C16-C15-C13	-2.08	109.18	115.92
14	Z	838	CLA	C3C-C4C-NC	2.08	112.91	110.57
17	B	844	BCR	C23-C22-C21	-2.08	115.74	118.94
14	H	805	CLA	O1D-CGD-CBD	-2.08	120.22	124.48
18	Y	850	LHG	O8-C6-C5	2.08	114.50	108.43
17	A	846	BCR	C37-C22-C21	-2.08	120.00	122.92
14	G	812	CLA	C1-O2A-CGA	2.08	121.91	116.44
14	S	1101	CLA	CHB-C4A-NA	2.08	127.39	124.51
14	B	817	CLA	C1-C2-C3	-2.08	122.44	126.04
14	H	811	CLA	CMD-C2D-C3D	-2.08	122.82	127.61
14	A	821	CLA	C3C-C4C-NC	2.08	112.91	110.57
14	B	828	CLA	C1D-CHD-C4C	-2.08	121.57	126.06
14	G	833	CLA	CMD-C2D-C3D	-2.08	122.83	127.61
14	H	837	CLA	CMD-C2D-C3D	-2.08	122.83	127.61
14	Y	818	CLA	C4-C3-C2	-2.08	118.34	123.68
17	Y	848	BCR	C23-C22-C21	2.08	122.13	118.94
14	H	811	CLA	CHA-C1A-NA	-2.08	121.63	126.40
14	Z	815	CLA	CHC-C1C-C2C	-2.08	120.97	126.72
14	Z	833	CLA	C1-C2-C3	-2.08	122.45	126.04
17	U	1005	BCR	C2-C3-C4	-2.08	106.73	111.38
14	A	817	CLA	CHB-C4A-NA	2.08	127.39	124.51
14	Z	839	CLA	CHB-C4A-NA	2.08	127.39	124.51
14	K	101	CLA	CHC-C1C-C2C	-2.08	120.97	126.72
14	Z	841	CLA	CMB-C2B-C3B	2.08	128.57	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	101	CLA	CMD-C2D-C3D	-2.08	122.83	127.61
17	h	202	BCR	C29-C28-C27	2.08	116.02	111.38
17	B	846	BCR	C33-C5-C4	2.08	117.61	113.62
14	L	206	CLA	C1-C2-C3	-2.08	122.45	126.04
17	U	1008	BCR	C27-C26-C25	-2.08	119.71	122.73
14	B	823	CLA	CMB-C2B-C1B	-2.08	125.27	128.46
14	H	801	CLA	O2D-CGD-O1D	-2.08	119.78	123.84
14	Y	838	CLA	CBC-CAC-C3C	-2.08	106.70	112.43
14	Y	825	CLA	C1D-CHD-C4C	-2.08	121.58	126.06
14	B	816	CLA	C3C-C4C-NC	2.08	112.90	110.57
14	A	809	CLA	CHB-C4A-NA	2.08	127.38	124.51
14	H	821	CLA	CHB-C4A-NA	2.08	127.38	124.51
14	Y	840	CLA	C5-C3-C2	-2.08	116.92	121.12
14	Z	807	CLA	CHB-C4A-NA	2.08	127.38	124.51
14	H	830	CLA	CHC-C1C-C2C	-2.08	120.98	126.72
14	G	808	CLA	C1-O2A-CGA	2.07	121.89	116.44
14	Z	834	CLA	C3C-C4C-NC	2.07	112.90	110.57
14	H	831	CLA	O2D-CGD-O1D	-2.07	119.78	123.84
14	G	852	CLA	CAA-C2A-C3A	-2.07	107.10	112.78
14	Z	832	CLA	C4C-C3C-C2C	-2.07	103.87	106.90
14	Z	809	CLA	CED-O2D-CGD	2.07	120.63	115.94
14	H	838	CLA	CMB-C2B-C3B	2.07	128.56	124.68
14	A	805	CLA	CHA-C1A-NA	-2.07	121.65	126.40
14	Z	824	CLA	CHA-C1A-NA	-2.07	121.65	126.40
14	A	832	CLA	O1D-CGD-CBD	-2.07	120.24	124.48
14	A	832	CLA	CMD-C2D-C3D	-2.07	122.85	127.61
14	B	803	CLA	CMA-C3A-C4A	2.07	117.34	111.77
14	h	201	CLA	CMB-C2B-C1B	-2.07	125.28	128.46
14	h	201	CLA	CMD-C2D-C3D	-2.07	122.85	127.61
17	U	1008	BCR	C38-C26-C25	-2.07	122.20	124.53
14	G	802	CLA	C4D-C3D-CAD	2.07	110.54	108.10
14	G	836	CLA	O2D-CGD-O1D	-2.07	119.79	123.84
14	Z	811	CLA	CAC-C3C-C4C	2.07	127.50	124.81
17	Z	846	BCR	C30-C25-C24	2.07	121.64	115.78
17	A	849	BCR	C1-C6-C5	-2.07	119.70	122.61
17	U	1009	BCR	C30-C25-C26	-2.07	119.70	122.61
14	U	1004	CLA	CHB-C4A-NA	2.07	127.37	124.51
17	B	850	BCR	C28-C27-C26	-2.07	110.38	114.08
14	H	840	CLA	CHC-C1C-C2C	-2.07	121.00	126.72
14	H	817	CLA	CMB-C2B-C1B	-2.07	125.28	128.46
14	H	838	CLA	C3C-C4C-NC	2.07	112.89	110.57
14	G	829	CLA	C1D-CHD-C4C	-2.07	121.59	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	807	CLA	CHC-C1C-C2C	-2.07	121.00	126.72
14	f	101	CLA	CMA-C3A-C4A	2.07	117.33	111.77
14	B	827	CLA	C3C-C4C-NC	2.07	112.89	110.57
14	Y	833	CLA	O1D-CGD-CBD	-2.07	120.25	124.48
14	H	840	CLA	CHB-C4A-NA	2.07	127.37	124.51
14	G	834	CLA	CBC-CAC-C3C	-2.07	106.73	112.43
14	Z	832	CLA	CMC-C2C-C1C	2.07	128.19	125.04
14	G	829	CLA	O1D-CGD-CBD	-2.07	120.26	124.48
14	A	843	CLA	CHB-C4A-NA	2.07	127.37	124.51
14	H	831	CLA	CHB-C4A-NA	2.07	127.37	124.51
14	J	101	CLA	CHD-C4C-C3C	-2.06	121.81	124.84
14	H	806	CLA	CAC-C3C-C4C	2.06	127.49	124.81
14	d	201	CLA	CHC-C1C-C2C	-2.06	121.01	126.72
14	G	818	CLA	C3B-C4B-NB	2.06	111.88	109.21
14	G	828	CLA	C4C-C3C-C2C	-2.06	103.89	106.90
14	Z	826	CLA	CAA-C2A-C1A	-2.06	105.21	111.97
15	Z	842	PQN	C11-C3-C4	2.06	120.71	118.50
17	h	202	BCR	C31-C1-C6	-2.06	106.95	110.30
14	H	818	CLA	CHB-C4A-NA	2.06	127.36	124.51
17	Z	850	BCR	C38-C26-C27	2.06	117.58	113.62
14	A	819	CLA	C4-C3-C5	2.06	118.74	115.27
14	Y	809	CLA	CMD-C2D-C3D	-2.06	122.87	127.61
14	H	839	CLA	CMB-C2B-C3B	2.06	128.54	124.68
14	G	829	CLA	C6-C5-C3	-2.06	108.05	113.45
17	Q	201	BCR	C23-C24-C25	-2.06	121.41	127.20
14	G	804	CLA	C4D-C3D-CAD	2.06	110.53	108.10
14	B	831	CLA	C1D-CHD-C4C	-2.06	121.61	126.06
14	A	808	CLA	C3C-C4C-NC	2.06	112.88	110.57
14	Y	832	CLA	CAA-CBA-CGA	-2.06	107.23	113.25
14	X	1701	CLA	CMD-C2D-C3D	-2.06	122.87	127.61
14	H	819	CLA	C11-C10-C8	-2.06	109.26	115.92
14	Y	832	CLA	CHB-C4A-NA	2.06	127.36	124.51
14	G	821	CLA	C3D-C4D-CHA	-2.06	108.01	112.72
14	B	815	CLA	C3C-C4C-NC	2.06	112.88	110.57
17	R	102	BCR	C30-C25-C24	2.06	121.61	115.78
14	Y	812	CLA	CAC-C3C-C4C	2.06	127.48	124.81
14	Y	836	CLA	CMC-C2C-C1C	2.06	128.18	125.04
14	B	826	CLA	C4D-C3D-CAD	2.06	110.52	108.10
14	h	206	CLA	O1D-CGD-CBD	-2.06	120.27	124.48
14	B	840	CLA	C6-C5-C3	-2.06	108.06	113.45
14	H	815	CLA	CBC-CAC-C3C	-2.06	106.75	112.43
17	H	844	BCR	C7-C8-C9	-2.06	123.12	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	101	CLA	C4C-C3C-C2C	-2.06	103.90	106.90
14	H	837	CLA	CHB-C4A-NA	2.06	127.36	124.51
14	Y	838	CLA	CHB-C4A-NA	2.06	127.36	124.51
14	L	202	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	B	817	CLA	O1D-CGD-CBD	-2.06	120.28	124.48
14	H	827	CLA	C1B-CHB-C4A	-2.06	126.04	130.12
14	Z	811	CLA	C4D-C3D-CAD	2.06	110.52	108.10
14	H	819	CLA	CHC-C1C-C2C	-2.06	121.03	126.72
14	A	827	CLA	O2D-CGD-O1D	-2.06	119.82	123.84
14	B	815	CLA	C4D-C3D-CAD	2.06	110.52	108.10
14	Y	830	CLA	CHB-C4A-NA	2.06	127.35	124.51
14	B	839	CLA	C4D-CHA-C1A	2.06	123.75	121.25
14	A	812	CLA	C6-C5-C3	-2.05	108.07	113.45
14	d	201	CLA	CMA-C3A-C4A	2.05	117.29	111.77
14	H	828	CLA	CHB-C4A-NA	2.05	127.35	124.51
17	Y	845	BCR	C39-C30-C25	-2.05	106.97	110.30
14	A	820	CLA	CHC-C1C-C2C	-2.05	121.04	126.72
14	Y	802	CLA	CAA-C2A-C1A	2.05	118.70	111.97
17	H	850	BCR	C8-C7-C6	-2.05	121.44	127.20
14	Y	828	CLA	CMB-C2B-C1B	-2.05	125.31	128.46
14	Y	808	CLA	CMA-C3A-C4A	2.05	117.29	111.77
14	G	819	CLA	C4D-C3D-CAD	2.05	110.52	108.10
14	Z	829	CLA	CBA-CAA-C2A	2.05	119.92	113.86
14	Z	839	CLA	C3C-C4C-NC	2.05	112.87	110.57
14	A	811	CLA	CMC-C2C-C1C	2.05	128.16	125.04
14	U	1002	CLA	CBA-CAA-C2A	2.05	119.92	113.86
14	G	838	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	Z	813	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	G	852	CLA	CMB-C2B-C3B	2.05	128.51	124.68
14	A	815	CLA	CHA-C1A-NA	-2.05	121.70	126.40
14	L	206	CLA	CED-O2D-CGD	2.05	120.57	115.94
14	G	834	CLA	C1D-CHD-C4C	-2.05	121.64	126.06
14	A	840	CLA	C4C-C3C-C2C	-2.05	103.91	106.90
14	H	812	CLA	C1D-CHD-C4C	-2.05	121.64	126.06
14	B	828	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	H	811	CLA	CGD-CBD-CAD	2.05	117.37	110.73
17	Q	201	BCR	C3-C4-C5	-2.05	110.42	114.08
14	A	831	CLA	CMC-C2C-C3C	2.05	131.68	126.12
14	G	840	CLA	O1D-CGD-CBD	-2.05	120.29	124.48
14	H	832	CLA	CMB-C2B-C3B	2.05	128.51	124.68
17	G	845	BCR	C28-C27-C26	-2.05	110.42	114.08
14	Y	818	CLA	O1D-CGD-CBD	-2.05	120.29	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	811	CLA	C3C-C4C-NC	2.05	112.87	110.57
17	F	201	BCR	C30-C25-C26	-2.05	119.73	122.61
14	Y	810	CLA	C1D-CHD-C4C	-2.05	121.64	126.06
14	Z	825	CLA	OBD-CAD-C3D	-2.05	123.59	128.52
14	h	201	CLA	C6-C5-C3	-2.05	108.09	113.45
14	B	823	CLA	CED-O2D-CGD	2.05	120.56	115.94
14	G	831	CLA	C1-C2-C3	-2.05	123.44	126.75
14	B	816	CLA	C4D-C3D-CAD	2.05	110.51	108.10
14	A	820	CLA	C11-C10-C8	-2.05	109.31	115.92
14	g	101	CLA	C4D-C3D-CAD	2.04	110.42	107.70
14	Z	814	CLA	CHA-C1A-NA	-2.04	121.72	126.40
14	Y	828	CLA	CHA-C4D-ND	2.04	136.78	132.50
14	Y	802	CLA	CMD-C2D-C3D	-2.04	122.91	127.61
14	Z	811	CLA	CHD-C1D-C2D	-2.04	121.19	125.48
14	H	812	CLA	C4D-C3D-CAD	2.04	110.50	108.10
17	d	203	BCR	C24-C25-C26	-2.04	116.51	121.46
14	Y	822	CLA	O2D-CGD-O1D	-2.04	119.84	123.84
14	d	201	CLA	C3C-C4C-NC	2.04	112.86	110.57
17	Y	847	BCR	C3-C4-C5	-2.04	110.43	114.08
14	U	1004	CLA	C1D-CHD-C4C	-2.04	121.65	126.06
14	B	809	CLA	CED-O2D-CGD	2.04	120.56	115.94
14	Y	810	CLA	CHC-C1C-C2C	-2.04	121.07	126.72
14	B	830	CLA	CMD-C2D-C3D	-2.04	122.91	127.61
14	L	201	CLA	CHD-C4C-C3C	-2.04	121.84	124.84
14	Y	822	CLA	CHB-C4A-NA	2.04	127.34	124.51
14	H	823	CLA	OBD-CAD-C3D	-2.04	123.60	128.52
14	B	822	CLA	C1D-CHD-C4C	-2.04	121.65	126.06
14	Y	839	CLA	C1-C2-C3	-2.04	123.45	126.75
14	Z	824	CLA	C4C-C3C-C2C	-2.04	103.92	106.90
17	J	103	BCR	C23-C24-C25	-2.04	121.47	127.20
14	U	1003	CLA	C3C-C4C-NC	2.04	112.86	110.57
14	A	833	CLA	CMA-C3A-C4A	2.04	117.26	111.77
14	U	1007	CLA	CMB-C2B-C1B	2.04	131.60	128.46
14	H	801	CLA	CAA-CBA-CGA	-2.04	107.29	113.25
14	Z	815	CLA	C3C-C4C-NC	2.04	112.86	110.57
14	G	816	CLA	C1-C2-C3	-2.04	123.45	126.75
17	R	102	BCR	C24-C25-C26	-2.04	116.52	121.46
14	H	828	CLA	C6-C7-C8	-2.04	109.33	115.92
14	H	808	CLA	C1-O2A-CGA	2.04	121.80	116.44
14	G	837	CLA	C6-C5-C3	-2.04	108.11	113.45
14	Z	821	CLA	C4C-C3C-C2C	-2.04	103.92	106.90
14	B	808	CLA	C3B-C4B-NB	2.04	111.85	109.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	822	CLA	CMC-C2C-C1C	2.04	128.14	125.04
17	h	207	BCR	C37-C22-C23	2.04	121.29	118.08
14	Z	805	CLA	CMD-C2D-C3D	-2.04	122.93	127.61
14	H	804	CLA	C3C-C4C-NC	2.04	112.86	110.57
14	G	828	CLA	C16-C15-C13	-2.04	109.34	115.92
14	G	841	CLA	C1D-CHD-C4C	-2.04	121.67	126.06
14	h	204	CLA	C3D-C4D-ND	2.04	113.53	110.24
14	h	204	CLA	CHA-C4D-ND	2.04	136.76	132.50
14	B	801	CLA	CAA-C2A-C1A	2.04	118.64	111.97
14	H	812	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	G	815	CLA	CMC-C2C-C1C	2.03	128.14	125.04
14	Y	815	CLA	C1D-CHD-C4C	-2.03	121.67	126.06
14	J	102	CLA	O1D-CGD-CBD	-2.03	120.32	124.48
14	G	816	CLA	C3C-C4C-NC	2.03	112.85	110.57
14	Z	818	CLA	CMC-C2C-C1C	2.03	128.14	125.04
14	Y	834	CLA	O1D-CGD-CBD	-2.03	120.32	124.48
14	H	825	CLA	CHC-C1C-C2C	-2.03	121.10	126.72
14	F	202	CLA	C3D-C4D-ND	2.03	113.53	110.24
14	Y	834	CLA	CHB-C4A-NA	2.03	127.32	124.51
14	Z	818	CLA	CHB-C4A-NA	2.03	127.32	124.51
14	G	831	CLA	C3D-C4D-ND	2.03	113.53	110.24
14	H	802	CLA	CHD-C4C-C3C	-2.03	121.85	124.84
14	H	820	CLA	CAA-C2A-C3A	2.03	118.34	112.78
14	Y	812	CLA	C4D-C3D-CAD	2.03	110.49	108.10
14	A	830	CLA	OBD-CAD-C3D	-2.03	123.63	128.52
14	Y	828	CLA	C4-C3-C5	2.03	118.69	115.27
14	B	836	CLA	CMA-C3A-C4A	2.03	117.23	111.77
14	Z	819	CLA	O2A-C1-C2	2.03	113.97	108.64
14	H	835	CLA	C3C-C4C-NC	2.03	112.85	110.57
14	A	819	CLA	CHB-C4A-NA	2.03	127.32	124.51
14	h	201	CLA	CHD-C4C-C3C	-2.03	121.86	124.84
14	Y	802	CLA	C4-C3-C5	2.03	118.68	115.27
14	B	830	CLA	C1D-CHD-C4C	-2.03	121.68	126.06
14	S	1102	CLA	C4D-C3D-CAD	2.03	110.49	108.10
14	B	820	CLA	C3C-C4C-NC	2.03	112.85	110.57
14	G	830	CLA	C3C-C4C-NC	2.03	112.85	110.57
14	Z	818	CLA	C5-C3-C2	2.03	125.22	121.12
14	H	808	CLA	C4-C3-C5	2.03	118.68	115.27
14	B	814	CLA	C1D-CHD-C4C	-2.03	121.68	126.06
14	d	201	CLA	CAA-CBA-CGA	-2.03	107.33	113.25
14	B	814	CLA	CMA-C3A-C4A	2.03	117.22	111.77
17	F	203	BCR	C7-C8-C9	-2.03	123.17	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	A	844	PQN	C2M-C2-C1	2.03	119.63	116.27
14	Z	817	CLA	CHB-C4A-NA	2.03	127.32	124.51
14	Z	804	CLA	CHA-C4D-ND	2.03	136.74	132.50
14	d	202	CLA	C4D-C3D-CAD	2.03	110.48	108.10
14	Y	812	CLA	C1-C2-C3	-2.03	122.54	126.04
14	Y	802	CLA	CHA-C4D-ND	2.03	136.74	132.50
17	F	203	BCR	C28-C27-C26	-2.03	110.46	114.08
14	A	837	CLA	O2D-CGD-O1D	-2.02	119.88	123.84
14	H	803	CLA	C1D-CHD-C4C	-2.02	121.69	126.06
14	Z	811	CLA	O2D-CGD-O1D	-2.02	119.88	123.84
14	Z	809	CLA	CHC-C1C-C2C	-2.02	121.13	126.72
17	B	845	BCR	C38-C26-C25	-2.02	122.26	124.53
14	A	836	CLA	O2D-CGD-O1D	-2.02	119.88	123.84
19	H	848	LMG	O6-C1-O1	-2.02	105.19	109.97
14	G	806	CLA	CMD-C2D-C3D	-2.02	122.96	127.61
14	A	830	CLA	CMA-C3A-C4A	2.02	117.21	111.77
17	V	101	BCR	C12-C13-C14	2.02	122.04	118.94
14	X	1701	CLA	CHA-C1A-NA	-2.02	121.77	126.40
14	Z	840	CLA	CHD-C4C-C3C	-2.02	121.87	124.84
14	Z	814	CLA	CED-O2D-CGD	2.02	120.51	115.94
14	Z	822	CLA	C1D-CHD-C4C	-2.02	121.70	126.06
14	H	830	CLA	CMD-C2D-C3D	-2.02	122.97	127.61
14	Y	828	CLA	CMA-C3A-C4A	2.02	117.20	111.77
14	G	821	CLA	CMA-C3A-C4A	2.02	117.20	111.77
14	G	853	CLA	C1D-CHD-C4C	-2.02	121.70	126.06
14	B	808	CLA	C3D-C4D-ND	2.02	113.50	110.24
14	G	808	CLA	C3C-C4C-NC	2.02	112.83	110.57
14	H	801	CLA	CHC-C1C-C2C	-2.02	121.14	126.72
17	Z	845	BCR	C34-C9-C8	2.02	121.25	118.08
14	A	807	CLA	C3C-C4C-NC	2.02	112.83	110.57
14	B	808	CLA	CHA-C4D-ND	2.02	136.72	132.50
14	H	811	CLA	O2D-CGD-O1D	-2.02	119.89	123.84
14	A	811	CLA	C3D-C4D-CHA	-2.02	108.11	112.72
14	Z	811	CLA	C6-C7-C8	-2.02	109.40	115.92
14	U	1006	CLA	CHB-C4A-NA	2.02	127.30	124.51
17	Z	847	BCR	C35-C13-C14	-2.02	120.10	122.92
14	Y	832	CLA	CMC-C2C-C1C	2.02	128.11	125.04
14	A	833	CLA	CHA-C1A-NA	-2.02	121.78	126.40
14	f	102	CLA	CHD-C4C-C3C	-2.01	121.88	124.84
18	G	850	LHG	O8-C6-C5	2.01	114.30	108.43
14	H	830	CLA	CHA-C4D-ND	2.01	136.71	132.50
14	A	820	CLA	C4D-C3D-CAD	2.01	110.47	108.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	831	CLA	C2A-C1A-CHA	-2.01	120.34	123.86
14	H	839	CLA	CMA-C3A-C2A	2.01	121.94	113.83
14	B	840	CLA	CHD-C4C-C3C	-2.01	121.88	124.84
14	Z	828	CLA	OBD-CAD-C3D	-2.01	123.68	128.52
14	B	834	CLA	C4C-C3C-C2C	-2.01	103.97	106.90
17	U	1005	BCR	C2-C1-C6	2.01	113.58	110.48
14	G	842	CLA	C1-C2-C3	-2.01	123.50	126.75
17	d	203	BCR	C30-C25-C24	2.01	121.47	115.78
17	U	1005	BCR	C31-C1-C6	-2.01	107.04	110.30
14	A	813	CLA	C4C-C3C-C2C	-2.01	103.97	106.90
14	B	807	CLA	C3C-C4C-NC	2.01	112.83	110.57
14	A	836	CLA	C1D-CHD-C4C	-2.01	121.72	126.06
14	Z	813	CLA	C4C-C3C-C2C	-2.01	103.97	106.90
14	G	809	CLA	CBC-CAC-C3C	-2.01	106.89	112.43
14	H	831	CLA	OBD-CAD-C3D	-2.01	123.69	128.52
14	Y	813	CLA	C4C-C3C-C2C	-2.01	103.97	106.90
14	H	818	CLA	C3C-C4C-NC	2.01	112.82	110.57
14	G	824	CLA	C2A-C1A-CHA	-2.01	120.35	123.86
17	A	851	BCR	C3-C4-C5	-2.01	110.49	114.08
14	G	827	CLA	C6-C7-C8	-2.01	109.43	115.92
14	H	802	CLA	CHC-C1C-C2C	-2.01	121.17	126.72
14	B	839	CLA	O1D-CGD-CBD	-2.01	120.38	124.48
14	g	101	CLA	CHB-C4A-NA	2.01	127.29	124.51
14	G	832	CLA	C6-C7-C8	-2.01	109.44	115.92
14	Z	806	CLA	C4-C3-C5	2.01	118.64	115.27
17	B	846	BCR	C28-C27-C26	-2.00	110.50	114.08
14	L	205	CLA	CHC-C1C-C2C	-2.00	121.18	126.72
14	J	102	CLA	C4-C3-C2	-2.00	118.53	123.68
14	A	854	CLA	CGD-CBD-CAD	-2.00	104.24	110.73
14	U	1004	CLA	CHA-C1A-NA	-2.00	121.81	126.40
14	B	807	CLA	C1-O2A-CGA	2.00	121.70	116.44
14	h	206	CLA	CMC-C2C-C1C	2.00	128.09	125.04
14	H	811	CLA	C1D-CHD-C4C	-2.00	121.74	126.06
14	Z	834	CLA	O1D-CGD-CBD	-2.00	120.39	124.48
14	d	201	CLA	CMC-C2C-C1C	2.00	128.09	125.04
17	H	844	BCR	C29-C30-C25	2.00	113.56	110.48
14	h	206	CLA	CHC-C1C-C2C	-2.00	121.19	126.72
17	U	1009	BCR	C23-C24-C25	-2.00	121.58	127.20
14	h	204	CLA	C11-C10-C8	-2.00	109.45	115.92
14	A	831	CLA	CAC-C3C-C4C	2.00	127.41	124.81
14	A	843	CLA	O1D-CGD-CBD	-2.00	120.39	124.48
14	Y	826	CLA	C3C-C4C-NC	2.00	112.81	110.57

All (291) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
13	A	801	CL0	ND
13	A	801	CL0	NC
13	A	801	CL0	NA
13	G	801	CL0	ND
13	G	801	CL0	NC
13	G	801	CL0	NA
13	Y	801	CL0	ND
13	Y	801	CL0	NC
13	Y	801	CL0	NA
14	A	802	CLA	ND
14	A	803	CLA	ND
14	A	804	CLA	ND
14	A	805	CLA	ND
14	A	806	CLA	ND
14	A	807	CLA	ND
14	A	808	CLA	ND
14	A	809	CLA	ND
14	A	810	CLA	ND
14	A	811	CLA	ND
14	A	812	CLA	ND
14	A	813	CLA	ND
14	A	814	CLA	ND
14	A	815	CLA	ND
14	A	816	CLA	ND
14	A	817	CLA	ND
14	A	818	CLA	ND
14	A	819	CLA	ND
14	A	820	CLA	ND
14	A	821	CLA	ND
14	A	822	CLA	ND
14	A	823	CLA	ND
14	A	824	CLA	ND
14	A	825	CLA	ND
14	A	826	CLA	ND
14	A	827	CLA	ND
14	A	828	CLA	ND
14	A	829	CLA	ND
14	A	830	CLA	ND
14	A	831	CLA	ND
14	A	832	CLA	ND
14	A	833	CLA	ND
14	A	834	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	A	835	CLA	ND
14	A	836	CLA	ND
14	A	837	CLA	ND
14	A	838	CLA	ND
14	A	839	CLA	ND
14	A	840	CLA	ND
14	A	841	CLA	ND
14	A	842	CLA	ND
14	A	843	CLA	ND
14	A	854	CLA	ND
14	B	801	CLA	ND
14	B	802	CLA	ND
14	B	803	CLA	ND
14	B	804	CLA	ND
14	B	805	CLA	ND
14	B	806	CLA	ND
14	B	807	CLA	ND
14	B	808	CLA	ND
14	B	809	CLA	ND
14	B	810	CLA	ND
14	B	811	CLA	ND
14	B	812	CLA	ND
14	B	813	CLA	ND
14	B	814	CLA	ND
14	B	815	CLA	ND
14	B	816	CLA	ND
14	B	817	CLA	ND
14	B	818	CLA	ND
14	B	819	CLA	ND
14	B	820	CLA	ND
14	B	821	CLA	ND
14	B	822	CLA	ND
14	B	823	CLA	ND
14	B	824	CLA	ND
14	B	825	CLA	ND
14	B	826	CLA	ND
14	B	827	CLA	ND
14	B	828	CLA	ND
14	B	829	CLA	ND
14	B	830	CLA	ND
14	B	831	CLA	ND
14	B	832	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	B	833	CLA	ND
14	B	834	CLA	ND
14	B	835	CLA	ND
14	B	836	CLA	ND
14	B	837	CLA	ND
14	B	838	CLA	ND
14	B	839	CLA	ND
14	B	840	CLA	ND
14	F	202	CLA	ND
14	G	802	CLA	ND
14	G	803	CLA	ND
14	G	804	CLA	ND
14	G	805	CLA	ND
14	G	806	CLA	ND
14	G	807	CLA	ND
14	G	808	CLA	ND
14	G	809	CLA	ND
14	G	810	CLA	ND
14	G	811	CLA	ND
14	G	812	CLA	ND
14	G	813	CLA	ND
14	G	814	CLA	ND
14	G	815	CLA	ND
14	G	816	CLA	ND
14	G	817	CLA	ND
14	G	818	CLA	ND
14	G	819	CLA	ND
14	G	820	CLA	ND
14	G	821	CLA	ND
14	G	822	CLA	ND
14	G	823	CLA	ND
14	G	824	CLA	ND
14	G	825	CLA	ND
14	G	826	CLA	ND
14	G	827	CLA	ND
14	G	828	CLA	ND
14	G	829	CLA	ND
14	G	830	CLA	ND
14	G	831	CLA	ND
14	G	832	CLA	ND
14	G	833	CLA	ND
14	G	834	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	G	835	CLA	ND
14	G	836	CLA	ND
14	G	837	CLA	ND
14	G	838	CLA	ND
14	G	839	CLA	ND
14	G	840	CLA	ND
14	G	841	CLA	ND
14	G	842	CLA	ND
14	G	852	CLA	ND
14	G	853	CLA	ND
14	H	801	CLA	ND
14	H	802	CLA	ND
14	H	803	CLA	ND
14	H	804	CLA	ND
14	H	805	CLA	ND
14	H	806	CLA	ND
14	H	807	CLA	ND
14	H	808	CLA	ND
14	H	809	CLA	ND
14	H	810	CLA	ND
14	H	811	CLA	ND
14	H	812	CLA	ND
14	H	813	CLA	ND
14	H	814	CLA	ND
14	H	815	CLA	ND
14	H	816	CLA	ND
14	H	817	CLA	ND
14	H	818	CLA	ND
14	H	819	CLA	ND
14	H	820	CLA	ND
14	H	821	CLA	ND
14	H	822	CLA	ND
14	H	823	CLA	ND
14	H	824	CLA	ND
14	H	825	CLA	ND
14	H	826	CLA	ND
14	H	827	CLA	ND
14	H	828	CLA	ND
14	H	829	CLA	ND
14	H	830	CLA	ND
14	H	831	CLA	ND
14	H	832	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	H	833	CLA	ND
14	H	834	CLA	ND
14	H	835	CLA	ND
14	H	836	CLA	ND
14	H	837	CLA	ND
14	H	838	CLA	ND
14	H	839	CLA	ND
14	H	840	CLA	ND
14	H	851	CLA	ND
14	J	101	CLA	ND
14	J	102	CLA	ND
14	K	101	CLA	ND
14	K	102	CLA	ND
14	L	201	CLA	ND
14	L	202	CLA	ND
14	L	204	CLA	ND
14	L	205	CLA	ND
14	L	206	CLA	ND
14	Q	202	CLA	ND
14	S	1101	CLA	ND
14	S	1102	CLA	ND
14	S	1103	CLA	ND
14	T	101	CLA	ND
14	T	103	CLA	ND
14	U	1002	CLA	ND
14	U	1003	CLA	ND
14	U	1004	CLA	ND
14	U	1006	CLA	ND
14	U	1007	CLA	ND
14	W	1701	CLA	ND
14	X	1701	CLA	ND
14	Y	802	CLA	ND
14	Y	803	CLA	ND
14	Y	804	CLA	ND
14	Y	805	CLA	ND
14	Y	806	CLA	ND
14	Y	807	CLA	ND
14	Y	808	CLA	ND
14	Y	809	CLA	ND
14	Y	810	CLA	ND
14	Y	811	CLA	ND
14	Y	812	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	Y	813	CLA	ND
14	Y	814	CLA	ND
14	Y	815	CLA	ND
14	Y	816	CLA	ND
14	Y	817	CLA	ND
14	Y	818	CLA	ND
14	Y	819	CLA	ND
14	Y	820	CLA	ND
14	Y	821	CLA	ND
14	Y	822	CLA	ND
14	Y	823	CLA	ND
14	Y	824	CLA	ND
14	Y	825	CLA	ND
14	Y	826	CLA	ND
14	Y	827	CLA	ND
14	Y	828	CLA	ND
14	Y	829	CLA	ND
14	Y	830	CLA	ND
14	Y	831	CLA	ND
14	Y	832	CLA	ND
14	Y	833	CLA	ND
14	Y	834	CLA	ND
14	Y	835	CLA	ND
14	Y	836	CLA	ND
14	Y	837	CLA	ND
14	Y	838	CLA	ND
14	Y	839	CLA	ND
14	Y	840	CLA	ND
14	Y	841	CLA	ND
14	Z	801	CLA	ND
14	Z	802	CLA	ND
14	Z	803	CLA	ND
14	Z	804	CLA	ND
14	Z	805	CLA	ND
14	Z	806	CLA	ND
14	Z	807	CLA	ND
14	Z	808	CLA	ND
14	Z	809	CLA	ND
14	Z	810	CLA	ND
14	Z	811	CLA	ND
14	Z	812	CLA	ND
14	Z	813	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	Z	814	CLA	ND
14	Z	815	CLA	ND
14	Z	816	CLA	ND
14	Z	817	CLA	ND
14	Z	818	CLA	ND
14	Z	819	CLA	ND
14	Z	820	CLA	ND
14	Z	821	CLA	ND
14	Z	822	CLA	ND
14	Z	823	CLA	ND
14	Z	824	CLA	ND
14	Z	825	CLA	ND
14	Z	826	CLA	ND
14	Z	827	CLA	ND
14	Z	828	CLA	ND
14	Z	829	CLA	ND
14	Z	830	CLA	ND
14	Z	831	CLA	ND
14	Z	832	CLA	ND
14	Z	833	CLA	ND
14	Z	834	CLA	ND
14	Z	835	CLA	ND
14	Z	836	CLA	ND
14	Z	837	CLA	ND
14	Z	838	CLA	ND
14	Z	839	CLA	ND
14	Z	840	CLA	ND
14	Z	841	CLA	ND
14	d	201	CLA	ND
14	d	202	CLA	ND
14	f	101	CLA	ND
14	f	102	CLA	ND
14	g	101	CLA	ND
14	g	102	CLA	ND
14	h	201	CLA	ND
14	h	204	CLA	ND
14	h	205	CLA	ND
14	h	206	CLA	ND
14	j	102	CLA	ND

All (4236) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
13	G	801	CL0	C1A-C2A-CAA-CBA
13	G	801	CL0	C3A-C2A-CAA-CBA
13	G	801	CL0	CBD-CGD-O2D-CED
13	G	801	CL0	C2-C3-C5-C6
13	G	801	CL0	C4-C3-C5-C6
13	Y	801	CL0	CBD-CGD-O2D-CED
14	A	802	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	O1A-CGA-O2A-C1
14	A	802	CLA	CHA-CBD-CGD-O1D
14	A	802	CLA	CHA-CBD-CGD-O2D
14	A	802	CLA	O2A-C1-C2-C3
14	A	804	CLA	C1A-C2A-CAA-CBA
14	A	804	CLA	CHA-CBD-CGD-O1D
14	A	804	CLA	CHA-CBD-CGD-O2D
14	A	805	CLA	C1A-C2A-CAA-CBA
14	A	805	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	CHA-CBD-CGD-O2D
14	A	807	CLA	C1A-C2A-CAA-CBA
14	A	807	CLA	CBD-CGD-O2D-CED
14	A	808	CLA	C2-C1-O2A-CGA
14	A	809	CLA	C3A-C2A-CAA-CBA
14	A	809	CLA	CHA-CBD-CGD-O1D
14	A	809	CLA	CHA-CBD-CGD-O2D
14	A	810	CLA	C2-C1-O2A-CGA
14	A	811	CLA	CHA-CBD-CGD-O1D
14	A	811	CLA	CHA-CBD-CGD-O2D
14	A	812	CLA	C1A-C2A-CAA-CBA
14	A	812	CLA	C3A-C2A-CAA-CBA
14	A	812	CLA	C2A-CAA-CBA-CGA
14	A	813	CLA	CHA-CBD-CGD-O1D
14	A	814	CLA	C6-C7-C8-C9
14	A	815	CLA	CBD-CGD-O2D-CED
14	A	818	CLA	CHA-CBD-CGD-O1D
14	A	818	CLA	CHA-CBD-CGD-O2D
14	A	819	CLA	C3A-C2A-CAA-CBA
14	A	819	CLA	C2-C1-O2A-CGA
14	A	819	CLA	C2-C3-C5-C6
14	A	819	CLA	C4-C3-C5-C6
14	A	820	CLA	C1A-C2A-CAA-CBA
14	A	820	CLA	C3A-C2A-CAA-CBA
14	A	821	CLA	C4-C3-C5-C6
14	A	822	CLA	C1A-C2A-CAA-CBA
14	A	822	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	A	822	CLA	CHA-CBD-CGD-O2D
14	A	822	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	C2-C3-C5-C6
14	A	823	CLA	C4-C3-C5-C6
14	A	824	CLA	C1A-C2A-CAA-CBA
14	A	824	CLA	C3A-C2A-CAA-CBA
14	A	824	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	CHA-CBD-CGD-O1D
14	A	825	CLA	CHA-CBD-CGD-O2D
14	A	829	CLA	C1A-C2A-CAA-CBA
14	A	829	CLA	C3A-C2A-CAA-CBA
14	A	829	CLA	CHA-CBD-CGD-O1D
14	A	829	CLA	CHA-CBD-CGD-O2D
14	A	829	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CHA-CBD-CGD-O1D
14	A	830	CLA	CHA-CBD-CGD-O2D
14	A	833	CLA	CBD-CGD-O2D-CED
14	A	833	CLA	C6-C7-C8-C9
14	A	834	CLA	CHA-CBD-CGD-O2D
14	A	834	CLA	CBD-CGD-O2D-CED
14	A	835	CLA	C1A-C2A-CAA-CBA
14	A	836	CLA	C1A-C2A-CAA-CBA
14	A	838	CLA	CHA-CBD-CGD-O1D
14	A	838	CLA	CHA-CBD-CGD-O2D
14	A	840	CLA	CHA-CBD-CGD-O1D
14	A	840	CLA	CBD-CGD-O2D-CED
14	A	841	CLA	C2-C1-O2A-CGA
14	A	842	CLA	CBA-CGA-O2A-C1
14	A	842	CLA	O1A-CGA-O2A-C1
14	A	842	CLA	CBD-CGD-O2D-CED
14	A	842	CLA	C4-C3-C5-C6
14	A	843	CLA	C1A-C2A-CAA-CBA
14	A	843	CLA	C3A-C2A-CAA-CBA
14	A	843	CLA	CBA-CGA-O2A-C1
14	A	843	CLA	O1A-CGA-O2A-C1
14	A	843	CLA	CHA-CBD-CGD-O1D
14	A	843	CLA	CHA-CBD-CGD-O2D
14	A	854	CLA	C2-C3-C5-C6
14	A	854	CLA	C4-C3-C5-C6
14	A	854	CLA	C11-C12-C13-C15
14	B	801	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	B	801	CLA	CHA-CBD-CGD-O2D
14	B	801	CLA	CBD-CGD-O2D-CED
14	B	801	CLA	C11-C12-C13-C14
14	B	802	CLA	CHA-CBD-CGD-O1D
14	B	802	CLA	CHA-CBD-CGD-O2D
14	B	802	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	CBD-CGD-O2D-CED
14	B	805	CLA	C4-C3-C5-C6
14	B	806	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	CHA-CBD-CGD-O1D
14	B	807	CLA	CHA-CBD-CGD-O2D
14	B	807	CLA	CBD-CGD-O2D-CED
14	B	808	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	C1A-C2A-CAA-CBA
14	B	810	CLA	CAD-CBD-CGD-O1D
14	B	810	CLA	CAD-CBD-CGD-O2D
14	B	811	CLA	C2-C1-O2A-CGA
14	B	812	CLA	C1A-C2A-CAA-CBA
14	B	812	CLA	C3A-C2A-CAA-CBA
14	B	812	CLA	CBD-CGD-O2D-CED
14	B	812	CLA	C4-C3-C5-C6
14	B	813	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	C1A-C2A-CAA-CBA
14	B	817	CLA	C3A-C2A-CAA-CBA
14	B	818	CLA	C1A-C2A-CAA-CBA
14	B	818	CLA	C2-C1-O2A-CGA
14	B	818	CLA	CHA-CBD-CGD-O1D
14	B	818	CLA	CHA-CBD-CGD-O2D
14	B	818	CLA	C2-C3-C5-C6
14	B	818	CLA	C4-C3-C5-C6
14	B	820	CLA	CBD-CGD-O2D-CED
14	B	821	CLA	CBD-CGD-O2D-CED
14	B	823	CLA	C1A-C2A-CAA-CBA
14	B	823	CLA	C3A-C2A-CAA-CBA
14	B	823	CLA	C2-C3-C5-C6
14	B	823	CLA	C4-C3-C5-C6
14	B	824	CLA	CHA-CBD-CGD-O1D
14	B	824	CLA	CHA-CBD-CGD-O2D
14	B	824	CLA	C2-C3-C5-C6
14	B	824	CLA	C4-C3-C5-C6
14	B	825	CLA	C1A-C2A-CAA-CBA
14	B	825	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B	825	CLA	C2-C3-C5-C6
14	B	825	CLA	C4-C3-C5-C6
14	B	826	CLA	C1A-C2A-CAA-CBA
14	B	826	CLA	C3A-C2A-CAA-CBA
14	B	827	CLA	C1A-C2A-CAA-CBA
14	B	827	CLA	CHA-CBD-CGD-O1D
14	B	827	CLA	CHA-CBD-CGD-O2D
14	B	827	CLA	C4-C3-C5-C6
14	B	829	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	C3A-C2A-CAA-CBA
14	B	831	CLA	C2-C1-O2A-CGA
14	B	833	CLA	C1A-C2A-CAA-CBA
14	B	833	CLA	C3A-C2A-CAA-CBA
14	B	833	CLA	CBD-CGD-O2D-CED
14	B	833	CLA	O1D-CGD-O2D-CED
14	B	834	CLA	CBD-CGD-O2D-CED
14	B	835	CLA	CBD-CGD-O2D-CED
14	G	802	CLA	CBA-CGA-O2A-C1
14	G	802	CLA	O1A-CGA-O2A-C1
14	G	802	CLA	CHA-CBD-CGD-O1D
14	G	802	CLA	CHA-CBD-CGD-O2D
14	G	802	CLA	CBD-CGD-O2D-CED
14	G	802	CLA	O2A-C1-C2-C3
14	G	803	CLA	C2-C1-O2A-CGA
14	G	804	CLA	C1A-C2A-CAA-CBA
14	G	804	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C1A-C2A-CAA-CBA
14	G	805	CLA	CHA-CBD-CGD-O1D
14	G	805	CLA	CHA-CBD-CGD-O2D
14	G	805	CLA	CAD-CBD-CGD-O1D
14	G	805	CLA	CAD-CBD-CGD-O2D
14	G	806	CLA	CBA-CGA-O2A-C1
14	G	806	CLA	O1A-CGA-O2A-C1
14	G	807	CLA	C2-C1-O2A-CGA
14	G	808	CLA	C3A-C2A-CAA-CBA
14	G	810	CLA	C1A-C2A-CAA-CBA
14	G	810	CLA	C3A-C2A-CAA-CBA
14	G	810	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	C1A-C2A-CAA-CBA
14	G	811	CLA	C3A-C2A-CAA-CBA
14	G	812	CLA	C2-C3-C5-C6
14	G	812	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	G	814	CLA	CHA-CBD-CGD-O1D
14	G	815	CLA	C2-C1-O2A-CGA
14	G	815	CLA	CHA-CBD-CGD-O1D
14	G	818	CLA	C3A-C2A-CAA-CBA
14	G	818	CLA	C2-C1-O2A-CGA
14	G	819	CLA	C3A-C2A-CAA-CBA
14	G	819	CLA	C2-C1-O2A-CGA
14	G	820	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	C1A-C2A-CAA-CBA
14	G	822	CLA	C2-C1-O2A-CGA
14	G	823	CLA	CHA-CBD-CGD-O1D
14	G	824	CLA	CHA-CBD-CGD-O1D
14	G	824	CLA	CHA-CBD-CGD-O2D
14	G	825	CLA	C2-C1-O2A-CGA
14	G	825	CLA	CBD-CGD-O2D-CED
14	G	829	CLA	CHA-CBD-CGD-O1D
14	G	829	CLA	CHA-CBD-CGD-O2D
14	G	830	CLA	C1A-C2A-CAA-CBA
14	G	830	CLA	C3A-C2A-CAA-CBA
14	G	831	CLA	C1A-C2A-CAA-CBA
14	G	831	CLA	C3A-C2A-CAA-CBA
14	G	833	CLA	C2-C1-O2A-CGA
14	G	834	CLA	CBD-CGD-O2D-CED
14	G	835	CLA	C1A-C2A-CAA-CBA
14	G	837	CLA	CHA-CBD-CGD-O1D
14	G	837	CLA	CHA-CBD-CGD-O2D
14	G	839	CLA	CBD-CGD-O2D-CED
14	G	840	CLA	CBD-CGD-O2D-CED
14	G	841	CLA	C2-C3-C5-C6
14	G	841	CLA	C4-C3-C5-C6
14	G	852	CLA	CBD-CGD-O2D-CED
14	H	801	CLA	CHA-CBD-CGD-O1D
14	H	801	CLA	CHA-CBD-CGD-O2D
14	H	801	CLA	CBD-CGD-O2D-CED
14	H	802	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	CHA-CBD-CGD-O1D
14	H	803	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	O1D-CGD-O2D-CED
14	H	803	CLA	C2-C3-C5-C6
14	H	803	CLA	C4-C3-C5-C6
14	H	803	CLA	C11-C12-C13-C14
14	H	805	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	H	807	CLA	CHA-CBD-CGD-O1D
14	H	807	CLA	CHA-CBD-CGD-O2D
14	H	809	CLA	CHA-CBD-CGD-O1D
14	H	809	CLA	CHA-CBD-CGD-O2D
14	H	811	CLA	C1A-C2A-CAA-CBA
14	H	811	CLA	C3A-C2A-CAA-CBA
14	H	811	CLA	CBD-CGD-O2D-CED
14	H	813	CLA	C1A-C2A-CAA-CBA
14	H	813	CLA	C3A-C2A-CAA-CBA
14	H	813	CLA	CBD-CGD-O2D-CED
14	H	814	CLA	CHA-CBD-CGD-O1D
14	H	814	CLA	CHA-CBD-CGD-O2D
14	H	815	CLA	C1A-C2A-CAA-CBA
14	H	815	CLA	C3A-C2A-CAA-CBA
14	H	815	CLA	CBD-CGD-O2D-CED
14	H	816	CLA	C2-C3-C5-C6
14	H	816	CLA	C4-C3-C5-C6
14	H	817	CLA	CBA-CGA-O2A-C1
14	H	817	CLA	O1A-CGA-O2A-C1
14	H	818	CLA	C3A-C2A-CAA-CBA
14	H	819	CLA	C1A-C2A-CAA-CBA
14	H	820	CLA	C1A-C2A-CAA-CBA
14	H	820	CLA	C3A-C2A-CAA-CBA
14	H	821	CLA	CBD-CGD-O2D-CED
14	H	822	CLA	CBD-CGD-O2D-CED
14	H	823	CLA	CHA-CBD-CGD-O1D
14	H	823	CLA	CHA-CBD-CGD-O2D
14	H	824	CLA	C2-C1-O2A-CGA
14	H	825	CLA	CBA-CGA-O2A-C1
14	H	825	CLA	O1A-CGA-O2A-C1
14	H	825	CLA	CHA-CBD-CGD-O1D
14	H	825	CLA	CHA-CBD-CGD-O2D
14	H	827	CLA	C1A-C2A-CAA-CBA
14	H	827	CLA	C3A-C2A-CAA-CBA
14	H	827	CLA	CHA-CBD-CGD-O1D
14	H	827	CLA	CHA-CBD-CGD-O2D
14	H	827	CLA	CBD-CGD-O2D-CED
14	H	828	CLA	C1A-C2A-CAA-CBA
14	H	828	CLA	C3A-C2A-CAA-CBA
14	H	829	CLA	CHA-CBD-CGD-O2D
14	H	830	CLA	C1A-C2A-CAA-CBA
14	H	830	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	H	830	CLA	CHA-CBD-CGD-O1D
14	H	830	CLA	CHA-CBD-CGD-O2D
14	H	830	CLA	CAD-CBD-CGD-O1D
14	H	830	CLA	CBD-CGD-O2D-CED
14	H	831	CLA	C3A-C2A-CAA-CBA
14	H	832	CLA	C1A-C2A-CAA-CBA
14	H	832	CLA	C3A-C2A-CAA-CBA
14	H	833	CLA	C1A-C2A-CAA-CBA
14	H	833	CLA	C3A-C2A-CAA-CBA
14	H	834	CLA	C3A-C2A-CAA-CBA
14	H	834	CLA	CBD-CGD-O2D-CED
14	H	839	CLA	C14-C13-C15-C16
14	H	840	CLA	C2-C1-O2A-CGA
14	H	851	CLA	C1A-C2A-CAA-CBA
14	H	851	CLA	C3A-C2A-CAA-CBA
14	J	101	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	C1A-C2A-CAA-CBA
14	J	102	CLA	CHA-CBD-CGD-O1D
14	J	102	CLA	CHA-CBD-CGD-O2D
14	J	102	CLA	C4-C3-C5-C6
14	K	101	CLA	C3A-C2A-CAA-CBA
14	L	202	CLA	CHA-CBD-CGD-O1D
14	L	202	CLA	CHA-CBD-CGD-O2D
14	L	204	CLA	C1A-C2A-CAA-CBA
14	L	204	CLA	C3A-C2A-CAA-CBA
14	S	1101	CLA	C1A-C2A-CAA-CBA
14	S	1101	CLA	C3A-C2A-CAA-CBA
14	S	1103	CLA	C1A-C2A-CAA-CBA
14	S	1103	CLA	C3A-C2A-CAA-CBA
14	S	1103	CLA	CBA-CGA-O2A-C1
14	S	1103	CLA	O1A-CGA-O2A-C1
14	S	1103	CLA	CHA-CBD-CGD-O1D
14	S	1103	CLA	CHA-CBD-CGD-O2D
14	U	1002	CLA	C1A-C2A-CAA-CBA
14	U	1002	CLA	C3A-C2A-CAA-CBA
14	U	1002	CLA	CHA-CBD-CGD-O1D
14	U	1002	CLA	CHA-CBD-CGD-O2D
14	U	1002	CLA	CAD-CBD-CGD-O1D
14	U	1002	CLA	CAD-CBD-CGD-O2D
14	U	1006	CLA	C2-C3-C5-C6
14	U	1006	CLA	C4-C3-C5-C6
14	Y	803	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	Y	803	CLA	C2-C1-O2A-CGA
14	Y	804	CLA	C3A-C2A-CAA-CBA
14	Y	804	CLA	CBD-CGD-O2D-CED
14	Y	805	CLA	C1A-C2A-CAA-CBA
14	Y	805	CLA	C3A-C2A-CAA-CBA
14	Y	806	CLA	CBD-CGD-O2D-CED
14	Y	807	CLA	C2-C3-C5-C6
14	Y	808	CLA	C3A-C2A-CAA-CBA
14	Y	808	CLA	CHA-CBD-CGD-O1D
14	Y	808	CLA	CHA-CBD-CGD-O2D
14	Y	809	CLA	C6-C7-C8-C9
14	Y	810	CLA	CHA-CBD-CGD-O1D
14	Y	810	CLA	CHA-CBD-CGD-O2D
14	Y	810	CLA	CBD-CGD-O2D-CED
14	Y	812	CLA	C1A-C2A-CAA-CBA
14	Y	814	CLA	C1A-C2A-CAA-CBA
14	Y	814	CLA	C3A-C2A-CAA-CBA
14	Y	814	CLA	C2-C1-O2A-CGA
14	Y	816	CLA	CHA-CBD-CGD-O1D
14	Y	816	CLA	CHA-CBD-CGD-O2D
14	Y	817	CLA	CBD-CGD-O2D-CED
14	Y	818	CLA	C1A-C2A-CAA-CBA
14	Y	818	CLA	C3A-C2A-CAA-CBA
14	Y	818	CLA	C2-C1-O2A-CGA
14	Y	819	CLA	C3A-C2A-CAA-CBA
14	Y	819	CLA	CBD-CGD-O2D-CED
14	Y	823	CLA	C1A-C2A-CAA-CBA
14	Y	823	CLA	CBD-CGD-O2D-CED
14	Y	828	CLA	C1A-C2A-CAA-CBA
14	Y	828	CLA	C3A-C2A-CAA-CBA
14	Y	828	CLA	CHA-CBD-CGD-O1D
14	Y	828	CLA	CHA-CBD-CGD-O2D
14	Y	829	CLA	CHA-CBD-CGD-O1D
14	Y	829	CLA	CHA-CBD-CGD-O2D
14	Y	832	CLA	C2-C1-O2A-CGA
14	Y	833	CLA	CHA-CBD-CGD-O1D
14	Y	836	CLA	C2-C3-C5-C6
14	Y	836	CLA	C4-C3-C5-C6
14	Y	838	CLA	CHA-CBD-CGD-O1D
14	Y	838	CLA	CHA-CBD-CGD-O2D
14	Y	838	CLA	CBD-CGD-O2D-CED
14	Y	839	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	Y	839	CLA	CBD-CGD-O2D-CED
14	Y	840	CLA	CBD-CGD-O2D-CED
14	Y	840	CLA	C11-C10-C8-C9
14	Y	841	CLA	CBA-CGA-O2A-C1
14	Y	841	CLA	O1A-CGA-O2A-C1
14	Z	801	CLA	C2-C1-O2A-CGA
14	Z	803	CLA	C1A-C2A-CAA-CBA
14	Z	803	CLA	C3A-C2A-CAA-CBA
14	Z	803	CLA	CBD-CGD-O2D-CED
14	Z	804	CLA	CBD-CGD-O2D-CED
14	Z	805	CLA	CBD-CGD-O2D-CED
14	Z	806	CLA	C2-C1-O2A-CGA
14	Z	807	CLA	C2-C3-C5-C6
14	Z	807	CLA	C4-C3-C5-C6
14	Z	808	CLA	CHA-CBD-CGD-O1D
14	Z	808	CLA	CHA-CBD-CGD-O2D
14	Z	808	CLA	C11-C12-C13-C14
14	Z	809	CLA	CHA-CBD-CGD-O1D
14	Z	809	CLA	CHA-CBD-CGD-O2D
14	Z	809	CLA	C14-C13-C15-C16
14	Z	810	CLA	CHA-CBD-CGD-O1D
14	Z	810	CLA	CHA-CBD-CGD-O2D
14	Z	812	CLA	C2-C1-O2A-CGA
14	Z	812	CLA	CBD-CGD-O2D-CED
14	Z	812	CLA	C2-C3-C5-C6
14	Z	812	CLA	C4-C3-C5-C6
14	Z	813	CLA	CBD-CGD-O2D-CED
14	Z	816	CLA	CBD-CGD-O2D-CED
14	Z	817	CLA	C2-C3-C5-C6
14	Z	817	CLA	C4-C3-C5-C6
14	Z	818	CLA	C2-C1-O2A-CGA
14	Z	819	CLA	C3A-C2A-CAA-CBA
14	Z	819	CLA	CBA-CGA-O2A-C1
14	Z	819	CLA	O1A-CGA-O2A-C1
14	Z	821	CLA	C3A-C2A-CAA-CBA
14	Z	823	CLA	CBD-CGD-O2D-CED
14	Z	826	CLA	CHA-CBD-CGD-O1D
14	Z	826	CLA	CHA-CBD-CGD-O2D
14	Z	826	CLA	C2-C3-C5-C6
14	Z	826	CLA	C4-C3-C5-C6
14	Z	827	CLA	C3A-C2A-CAA-CBA
14	Z	827	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	Z	828	CLA	C3A-C2A-CAA-CBA
14	Z	828	CLA	C14-C13-C15-C16
14	Z	829	CLA	C1A-C2A-CAA-CBA
14	Z	829	CLA	C3A-C2A-CAA-CBA
14	Z	830	CLA	CHA-CBD-CGD-O1D
14	Z	830	CLA	CHA-CBD-CGD-O2D
14	Z	832	CLA	C1A-C2A-CAA-CBA
14	Z	832	CLA	C3A-C2A-CAA-CBA
14	Z	833	CLA	C1A-C2A-CAA-CBA
14	Z	833	CLA	C3A-C2A-CAA-CBA
14	Z	834	CLA	C1A-C2A-CAA-CBA
14	Z	834	CLA	C3A-C2A-CAA-CBA
14	Z	834	CLA	CBD-CGD-O2D-CED
14	Z	835	CLA	C3A-C2A-CAA-CBA
14	Z	836	CLA	CAD-CBD-CGD-O2D
14	Z	837	CLA	C1A-C2A-CAA-CBA
14	Z	837	CLA	C3A-C2A-CAA-CBA
14	Z	841	CLA	CBD-CGD-O2D-CED
14	d	201	CLA	C3A-C2A-CAA-CBA
14	d	201	CLA	CHA-CBD-CGD-O1D
14	d	201	CLA	CHA-CBD-CGD-O2D
14	f	101	CLA	CBD-CGD-O2D-CED
14	f	102	CLA	C2-C1-O2A-CGA
14	f	102	CLA	CHA-CBD-CGD-O1D
14	f	102	CLA	CHA-CBD-CGD-O2D
14	g	101	CLA	C3A-C2A-CAA-CBA
14	h	204	CLA	C1A-C2A-CAA-CBA
14	h	204	CLA	C3A-C2A-CAA-CBA
14	h	204	CLA	CHA-CBD-CGD-O1D
14	h	204	CLA	CHA-CBD-CGD-O2D
14	h	204	CLA	CAD-CBD-CGD-O1D
14	h	204	CLA	CAD-CBD-CGD-O2D
14	h	204	CLA	CBD-CGD-O2D-CED
14	h	206	CLA	C2-C1-O2A-CGA
15	G	843	PQN	C21-C22-C23-C25
17	A	846	BCR	C10-C11-C12-C13
17	A	846	BCR	C37-C22-C23-C24
17	A	847	BCR	C9-C10-C11-C12
17	A	847	BCR	C10-C11-C12-C13
17	A	847	BCR	C11-C12-C13-C14
17	A	847	BCR	C11-C12-C13-C35
17	A	848	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	A	848	BCR	C14-C15-C16-C17
17	A	849	BCR	C10-C11-C12-C13
17	A	850	BCR	C10-C11-C12-C13
17	A	850	BCR	C11-C12-C13-C14
17	A	850	BCR	C11-C12-C13-C35
17	A	850	BCR	C23-C24-C25-C26
17	A	851	BCR	C1-C6-C7-C8
17	A	851	BCR	C5-C6-C7-C8
17	A	851	BCR	C11-C10-C9-C8
17	A	851	BCR	C11-C10-C9-C34
17	A	851	BCR	C10-C11-C12-C13
17	A	851	BCR	C11-C12-C13-C14
17	A	851	BCR	C11-C12-C13-C35
17	B	843	BCR	C11-C10-C9-C8
17	B	843	BCR	C11-C10-C9-C34
17	B	843	BCR	C10-C11-C12-C13
17	B	843	BCR	C23-C24-C25-C26
17	B	843	BCR	C23-C24-C25-C30
17	B	844	BCR	C1-C6-C7-C8
17	B	844	BCR	C5-C6-C7-C8
17	B	844	BCR	C11-C10-C9-C8
17	B	844	BCR	C11-C10-C9-C34
17	B	844	BCR	C10-C11-C12-C13
17	B	846	BCR	C9-C10-C11-C12
17	B	847	BCR	C11-C10-C9-C8
17	B	847	BCR	C10-C11-C12-C13
17	B	847	BCR	C11-C12-C13-C14
17	B	847	BCR	C11-C12-C13-C35
17	B	850	BCR	C10-C11-C12-C13
17	F	201	BCR	C11-C10-C9-C8
17	F	201	BCR	C11-C10-C9-C34
17	F	201	BCR	C10-C11-C12-C13
17	F	201	BCR	C23-C24-C25-C26
17	F	201	BCR	C23-C24-C25-C30
17	F	203	BCR	C9-C10-C11-C12
17	F	203	BCR	C10-C11-C12-C13
17	G	845	BCR	C1-C6-C7-C8
17	G	845	BCR	C5-C6-C7-C8
17	G	845	BCR	C10-C11-C12-C13
17	G	846	BCR	C11-C10-C9-C8
17	G	846	BCR	C11-C10-C9-C34
17	G	846	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	G	847	BCR	C9-C10-C11-C12
17	G	847	BCR	C10-C11-C12-C13
17	G	848	BCR	C10-C11-C12-C13
17	G	848	BCR	C11-C12-C13-C14
17	G	848	BCR	C11-C12-C13-C35
17	G	849	BCR	C10-C11-C12-C13
17	H	842	BCR	C9-C10-C11-C12
17	H	842	BCR	C10-C11-C12-C13
17	H	842	BCR	C23-C24-C25-C26
17	H	843	BCR	C11-C10-C9-C8
17	H	843	BCR	C11-C10-C9-C34
17	H	844	BCR	C11-C10-C9-C8
17	H	844	BCR	C11-C10-C9-C34
17	H	845	BCR	C18-C19-C20-C21
17	H	845	BCR	C19-C20-C21-C22
17	H	845	BCR	C23-C24-C25-C26
17	H	845	BCR	C23-C24-C25-C30
17	H	846	BCR	C5-C6-C7-C8
17	H	846	BCR	C7-C8-C9-C10
17	H	846	BCR	C7-C8-C9-C34
17	H	846	BCR	C10-C11-C12-C13
17	H	847	BCR	C11-C10-C9-C8
17	H	847	BCR	C10-C11-C12-C13
17	H	847	BCR	C11-C12-C13-C14
17	H	847	BCR	C11-C12-C13-C35
17	H	850	BCR	C9-C10-C11-C12
17	H	850	BCR	C10-C11-C12-C13
17	H	850	BCR	C11-C12-C13-C14
17	H	850	BCR	C11-C12-C13-C35
17	I	101	BCR	C10-C11-C12-C13
17	I	101	BCR	C11-C12-C13-C14
17	I	101	BCR	C11-C12-C13-C35
17	I	101	BCR	C19-C20-C21-C22
17	I	102	BCR	C10-C11-C12-C13
17	I	102	BCR	C23-C24-C25-C26
17	I	102	BCR	C23-C24-C25-C30
17	J	103	BCR	C5-C6-C7-C8
17	J	103	BCR	C10-C11-C12-C13
17	J	104	BCR	C5-C6-C7-C8
17	J	104	BCR	C11-C10-C9-C8
17	J	104	BCR	C11-C10-C9-C34
17	J	104	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	J	104	BCR	C21-C22-C23-C24
17	L	207	BCR	C10-C11-C12-C13
17	L	208	BCR	C9-C10-C11-C12
17	L	208	BCR	C10-C11-C12-C13
17	M	101	BCR	C11-C10-C9-C8
17	M	101	BCR	C11-C10-C9-C34
17	M	101	BCR	C10-C11-C12-C13
17	M	101	BCR	C23-C24-C25-C30
17	Q	201	BCR	C11-C10-C9-C8
17	Q	201	BCR	C11-C10-C9-C34
17	Q	201	BCR	C10-C11-C12-C13
17	Q	201	BCR	C17-C18-C19-C20
17	Q	201	BCR	C18-C19-C20-C21
17	Q	201	BCR	C19-C20-C21-C22
17	Q	203	BCR	C9-C10-C11-C12
17	Q	203	BCR	C10-C11-C12-C13
17	R	101	BCR	C21-C22-C23-C24
17	R	101	BCR	C23-C24-C25-C26
17	R	102	BCR	C10-C11-C12-C13
17	S	1104	BCR	C9-C10-C11-C12
17	S	1104	BCR	C10-C11-C12-C13
17	S	1105	BCR	C1-C6-C7-C8
17	S	1105	BCR	C5-C6-C7-C8
17	S	1105	BCR	C11-C10-C9-C8
17	S	1105	BCR	C11-C10-C9-C34
17	S	1105	BCR	C10-C11-C12-C13
17	S	1105	BCR	C18-C19-C20-C21
17	S	1105	BCR	C19-C20-C21-C22
17	T	102	BCR	C11-C10-C9-C8
17	T	102	BCR	C11-C10-C9-C34
17	T	102	BCR	C9-C10-C11-C12
17	T	102	BCR	C10-C11-C12-C13
17	T	102	BCR	C19-C20-C21-C22
17	U	1005	BCR	C11-C10-C9-C8
17	U	1005	BCR	C11-C10-C9-C34
17	U	1005	BCR	C9-C10-C11-C12
17	U	1008	BCR	C11-C10-C9-C8
17	U	1008	BCR	C11-C10-C9-C34
17	U	1008	BCR	C10-C11-C12-C13
17	U	1008	BCR	C23-C24-C25-C30
17	U	1009	BCR	C7-C8-C9-C10
17	U	1009	BCR	C9-C10-C11-C12

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
17	U	1009	BCR	C10-C11-C12-C13
17	U	1009	BCR	C11-C12-C13-C35
17	U	1009	BCR	C14-C15-C16-C17
17	U	1009	BCR	C15-C16-C17-C18
17	Y	844	BCR	C11-C10-C9-C8
17	Y	844	BCR	C11-C10-C9-C34
17	Y	844	BCR	C10-C11-C12-C13
17	Y	844	BCR	C18-C19-C20-C21
17	Y	846	BCR	C11-C10-C9-C8
17	Y	846	BCR	C11-C10-C9-C34
17	Y	846	BCR	C10-C11-C12-C13
17	Y	846	BCR	C16-C17-C18-C19
17	Y	846	BCR	C17-C18-C19-C20
17	Y	846	BCR	C36-C18-C19-C20
17	Y	847	BCR	C9-C10-C11-C12
17	Y	847	BCR	C10-C11-C12-C13
17	Y	847	BCR	C14-C15-C16-C17
17	Y	847	BCR	C15-C16-C17-C18
17	Y	848	BCR	C10-C11-C12-C13
17	Y	849	BCR	C10-C11-C12-C13
17	Y	849	BCR	C11-C12-C13-C14
17	Y	849	BCR	C11-C12-C13-C35
17	Y	852	BCR	C10-C11-C12-C13
17	Y	852	BCR	C11-C12-C13-C14
17	Y	852	BCR	C11-C12-C13-C35
17	Y	852	BCR	C14-C15-C16-C17
17	Y	852	BCR	C17-C18-C19-C20
17	Y	853	BCR	C11-C10-C9-C8
17	Y	853	BCR	C11-C10-C9-C34
17	Y	853	BCR	C9-C10-C11-C12
17	Z	843	BCR	C11-C10-C9-C8
17	Z	843	BCR	C11-C10-C9-C34
17	Z	843	BCR	C10-C11-C12-C13
17	Z	843	BCR	C11-C12-C13-C14
17	Z	843	BCR	C11-C12-C13-C35
17	Z	843	BCR	C14-C15-C16-C17
17	Z	843	BCR	C16-C17-C18-C36
17	Z	843	BCR	C23-C24-C25-C26
17	Z	843	BCR	C23-C24-C25-C30
17	Z	844	BCR	C11-C10-C9-C8
17	Z	844	BCR	C11-C10-C9-C34
17	Z	844	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	Z	845	BCR	C11-C10-C9-C8
17	Z	845	BCR	C11-C10-C9-C34
17	Z	845	BCR	C10-C11-C12-C13
17	Z	845	BCR	C11-C12-C13-C14
17	Z	845	BCR	C11-C12-C13-C35
17	Z	845	BCR	C14-C15-C16-C17
17	Z	846	BCR	C14-C15-C16-C17
17	Z	846	BCR	C17-C18-C19-C20
17	Z	846	BCR	C18-C19-C20-C21
17	Z	846	BCR	C21-C22-C23-C24
17	Z	846	BCR	C37-C22-C23-C24
17	Z	847	BCR	C1-C6-C7-C8
17	Z	847	BCR	C10-C11-C12-C13
17	Z	847	BCR	C23-C24-C25-C26
17	Z	847	BCR	C23-C24-C25-C30
17	Z	848	BCR	C9-C10-C11-C12
17	Z	848	BCR	C10-C11-C12-C13
17	Z	848	BCR	C16-C17-C18-C19
17	Z	848	BCR	C16-C17-C18-C36
17	Z	850	BCR	C9-C10-C11-C12
17	Z	850	BCR	C10-C11-C12-C13
17	Z	850	BCR	C15-C16-C17-C18
17	d	203	BCR	C10-C11-C12-C13
17	e	101	BCR	C1-C6-C7-C8
17	e	101	BCR	C5-C6-C7-C8
17	e	101	BCR	C10-C11-C12-C13
17	e	101	BCR	C14-C15-C16-C17
17	e	101	BCR	C17-C18-C19-C20
17	e	101	BCR	C36-C18-C19-C20
17	e	101	BCR	C18-C19-C20-C21
17	e	101	BCR	C21-C22-C23-C24
17	f	103	BCR	C9-C10-C11-C12
17	f	103	BCR	C10-C11-C12-C13
17	f	103	BCR	C11-C12-C13-C35
17	h	202	BCR	C11-C10-C9-C34
17	h	202	BCR	C9-C10-C11-C12
17	h	202	BCR	C10-C11-C12-C13
17	h	202	BCR	C11-C12-C13-C14
17	h	202	BCR	C11-C12-C13-C35
17	h	207	BCR	C5-C6-C7-C8
17	h	207	BCR	C11-C10-C9-C8
17	h	207	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
17	h	207	BCR	C10-C11-C12-C13
17	h	207	BCR	C11-C12-C13-C14
17	i	101	BCR	C17-C18-C19-C20
17	i	101	BCR	C36-C18-C19-C20
17	i	101	BCR	C23-C24-C25-C30
18	A	852	LHG	C1-C2-C3-O3
18	A	852	LHG	C3-O3-P-O5
18	A	852	LHG	C3-O3-P-O6
18	A	853	LHG	O1-C1-C2-C3
18	A	853	LHG	O9-C7-O7-C5
18	A	853	LHG	C8-C7-O7-C5
18	B	849	LHG	O1-C1-C2-C3
18	B	849	LHG	C1-C2-C3-O3
18	B	849	LHG	C3-O3-P-O4
18	B	849	LHG	C3-O3-P-O5
18	G	850	LHG	O1-C1-C2-C3
18	G	850	LHG	O2-C2-C3-O3
18	G	851	LHG	C3-O3-P-O5
18	G	851	LHG	C8-C7-O7-C5
18	H	849	LHG	C4-O6-P-O4
18	H	849	LHG	C4-O6-P-O5
18	Y	850	LHG	O2-C2-C3-O3
18	Y	850	LHG	C4-O6-P-O4
18	Y	850	LHG	C4-O6-P-O5
18	Y	851	LHG	C1-C2-C3-O3
18	Y	851	LHG	C3-O3-P-O4
18	Y	851	LHG	C3-O3-P-O5
18	Y	851	LHG	C4-O6-P-O4
18	j	101	LHG	C2-C3-O3-P
18	j	101	LHG	C3-O3-P-O4
18	j	101	LHG	C4-O6-P-O3
18	j	101	LHG	C4-O6-P-O5
14	A	803	CLA	O1D-CGD-O2D-CED
14	A	811	CLA	O1D-CGD-O2D-CED
14	A	823	CLA	O1D-CGD-O2D-CED
14	B	808	CLA	O1D-CGD-O2D-CED
14	F	202	CLA	O1D-CGD-O2D-CED
14	G	809	CLA	O1D-CGD-O2D-CED
14	G	839	CLA	O1D-CGD-O2D-CED
14	H	809	CLA	O1D-CGD-O2D-CED
14	H	818	CLA	O1D-CGD-O2D-CED
14	H	822	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	H	834	CLA	O1D-CGD-O2D-CED
14	Y	821	CLA	O1D-CGD-O2D-CED
14	Y	824	CLA	O1D-CGD-O2D-CED
14	Y	838	CLA	O1D-CGD-O2D-CED
14	Y	839	CLA	O1D-CGD-O2D-CED
14	Y	841	CLA	O1D-CGD-O2D-CED
14	Z	803	CLA	O1D-CGD-O2D-CED
14	Z	834	CLA	O1D-CGD-O2D-CED
14	H	837	CLA	C5-C6-C7-C8
14	B	840	CLA	C2C-C3C-CAC-CBC
14	B	840	CLA	C4C-C3C-CAC-CBC
14	H	840	CLA	C2C-C3C-CAC-CBC
18	Y	851	LHG	C8-C7-O7-C5
14	A	807	CLA	O1D-CGD-O2D-CED
14	A	808	CLA	O1D-CGD-O2D-CED
14	A	840	CLA	O1D-CGD-O2D-CED
14	B	801	CLA	O1D-CGD-O2D-CED
14	B	802	CLA	O1D-CGD-O2D-CED
14	B	805	CLA	O1D-CGD-O2D-CED
14	B	821	CLA	O1D-CGD-O2D-CED
14	B	834	CLA	O1D-CGD-O2D-CED
14	G	807	CLA	O1D-CGD-O2D-CED
14	G	824	CLA	O1D-CGD-O2D-CED
14	G	837	CLA	O1D-CGD-O2D-CED
14	G	842	CLA	O1D-CGD-O2D-CED
14	G	852	CLA	O1D-CGD-O2D-CED
14	G	853	CLA	O1D-CGD-O2D-CED
14	H	801	CLA	O1D-CGD-O2D-CED
14	H	811	CLA	O1D-CGD-O2D-CED
14	H	851	CLA	O1D-CGD-O2D-CED
14	J	101	CLA	O1D-CGD-O2D-CED
14	Y	806	CLA	O1D-CGD-O2D-CED
14	Y	817	CLA	O1D-CGD-O2D-CED
14	Y	818	CLA	O1D-CGD-O2D-CED
14	Y	829	CLA	O1D-CGD-O2D-CED
14	Z	804	CLA	O1D-CGD-O2D-CED
14	Z	812	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	CBD-CGD-O2D-CED
14	A	803	CLA	CBD-CGD-O2D-CED
14	A	808	CLA	CBD-CGD-O2D-CED
14	A	811	CLA	CBD-CGD-O2D-CED
14	A	812	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	814	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	CBD-CGD-O2D-CED
14	A	817	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	CBD-CGD-O2D-CED
14	A	820	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CBD-CGD-O2D-CED
14	A	843	CLA	CBD-CGD-O2D-CED
14	B	805	CLA	CBD-CGD-O2D-CED
14	B	811	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	CBD-CGD-O2D-CED
14	B	815	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	CBD-CGD-O2D-CED
14	B	823	CLA	CBD-CGD-O2D-CED
14	B	824	CLA	CBD-CGD-O2D-CED
14	B	830	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	CBD-CGD-O2D-CED
14	B	839	CLA	CBD-CGD-O2D-CED
14	F	202	CLA	CBD-CGD-O2D-CED
14	G	807	CLA	CBD-CGD-O2D-CED
14	G	809	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	CBD-CGD-O2D-CED
14	G	818	CLA	CBD-CGD-O2D-CED
14	G	819	CLA	CBD-CGD-O2D-CED
14	G	824	CLA	CBD-CGD-O2D-CED
14	G	829	CLA	CBD-CGD-O2D-CED
14	G	831	CLA	CBD-CGD-O2D-CED
14	G	833	CLA	CBD-CGD-O2D-CED
14	G	837	CLA	CBD-CGD-O2D-CED
14	G	842	CLA	CBD-CGD-O2D-CED
14	G	853	CLA	CBD-CGD-O2D-CED
14	H	804	CLA	CBD-CGD-O2D-CED
14	H	807	CLA	CBD-CGD-O2D-CED
14	H	809	CLA	CBD-CGD-O2D-CED
14	H	810	CLA	CBD-CGD-O2D-CED
14	H	818	CLA	CBD-CGD-O2D-CED
14	H	835	CLA	CBD-CGD-O2D-CED
14	H	837	CLA	CBD-CGD-O2D-CED
14	H	851	CLA	CBD-CGD-O2D-CED
14	K	102	CLA	CBD-CGD-O2D-CED
14	L	202	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	S	1102	CLA	CBD-CGD-O2D-CED
14	S	1103	CLA	CBD-CGD-O2D-CED
14	U	1002	CLA	CBD-CGD-O2D-CED
14	U	1004	CLA	CBD-CGD-O2D-CED
14	U	1006	CLA	CBD-CGD-O2D-CED
14	X	1701	CLA	CBD-CGD-O2D-CED
14	Y	809	CLA	CBD-CGD-O2D-CED
14	Y	812	CLA	CBD-CGD-O2D-CED
14	Y	818	CLA	CBD-CGD-O2D-CED
14	Y	821	CLA	CBD-CGD-O2D-CED
14	Y	822	CLA	CBD-CGD-O2D-CED
14	Y	824	CLA	CBD-CGD-O2D-CED
14	Y	829	CLA	CBD-CGD-O2D-CED
14	Y	832	CLA	CBD-CGD-O2D-CED
14	Y	833	CLA	CBD-CGD-O2D-CED
14	Y	841	CLA	CBD-CGD-O2D-CED
14	Z	807	CLA	CBD-CGD-O2D-CED
14	Z	808	CLA	CBD-CGD-O2D-CED
14	Z	809	CLA	CBD-CGD-O2D-CED
14	Z	814	CLA	CBD-CGD-O2D-CED
14	Z	815	CLA	CBD-CGD-O2D-CED
14	Z	818	CLA	CBD-CGD-O2D-CED
14	Z	822	CLA	CBD-CGD-O2D-CED
14	Z	828	CLA	CBD-CGD-O2D-CED
14	Z	830	CLA	CBD-CGD-O2D-CED
14	Z	833	CLA	CBD-CGD-O2D-CED
14	Z	837	CLA	CBD-CGD-O2D-CED
14	f	102	CLA	CBD-CGD-O2D-CED
14	g	102	CLA	CBD-CGD-O2D-CED
14	j	102	CLA	CBD-CGD-O2D-CED
13	G	801	CL0	O1A-CGA-O2A-C1
14	B	812	CLA	O1A-CGA-O2A-C1
14	B	816	CLA	O1A-CGA-O2A-C1
14	B	824	CLA	O1A-CGA-O2A-C1
14	H	801	CLA	O1A-CGA-O2A-C1
14	H	851	CLA	O1A-CGA-O2A-C1
14	J	102	CLA	O1A-CGA-O2A-C1
14	S	1101	CLA	O1A-CGA-O2A-C1
14	U	1002	CLA	O1A-CGA-O2A-C1
14	Y	807	CLA	O1A-CGA-O2A-C1
14	Y	815	CLA	O1A-CGA-O2A-C1
14	Z	814	CLA	O1A-CGA-O2A-C1

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	Z	818	CLA	O1A-CGA-O2A-C1
14	h	201	CLA	O1A-CGA-O2A-C1
14	H	840	CLA	C4C-C3C-CAC-CBC
13	Y	801	CL0	O1D-CGD-O2D-CED
14	A	812	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	O1D-CGD-O2D-CED
14	A	834	CLA	O1D-CGD-O2D-CED
14	B	806	CLA	O1D-CGD-O2D-CED
14	B	815	CLA	O1D-CGD-O2D-CED
14	G	811	CLA	O1D-CGD-O2D-CED
14	G	825	CLA	O1D-CGD-O2D-CED
14	H	813	CLA	O1D-CGD-O2D-CED
14	H	821	CLA	O1D-CGD-O2D-CED
14	L	202	CLA	O1D-CGD-O2D-CED
14	S	1102	CLA	O1D-CGD-O2D-CED
14	U	1002	CLA	O1D-CGD-O2D-CED
14	Y	822	CLA	O1D-CGD-O2D-CED
14	Z	807	CLA	O1D-CGD-O2D-CED
14	Z	818	CLA	O1D-CGD-O2D-CED
14	Z	823	CLA	O1D-CGD-O2D-CED
14	Z	828	CLA	O1D-CGD-O2D-CED
13	G	801	CL0	O1D-CGD-O2D-CED
14	A	815	CLA	O1D-CGD-O2D-CED
14	A	817	CLA	O1D-CGD-O2D-CED
14	A	820	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	O1D-CGD-O2D-CED
14	A	829	CLA	O1D-CGD-O2D-CED
14	A	833	CLA	O1D-CGD-O2D-CED
14	A	842	CLA	O1D-CGD-O2D-CED
14	B	803	CLA	O1D-CGD-O2D-CED
14	B	807	CLA	O1D-CGD-O2D-CED
14	B	812	CLA	O1D-CGD-O2D-CED
14	B	813	CLA	O1D-CGD-O2D-CED
14	B	820	CLA	O1D-CGD-O2D-CED
14	B	829	CLA	O1D-CGD-O2D-CED
14	G	802	CLA	O1D-CGD-O2D-CED
14	G	810	CLA	O1D-CGD-O2D-CED
14	G	834	CLA	O1D-CGD-O2D-CED
14	G	840	CLA	O1D-CGD-O2D-CED
14	H	802	CLA	O1D-CGD-O2D-CED
14	H	804	CLA	O1D-CGD-O2D-CED
14	H	815	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Y	810	CLA	O1D-CGD-O2D-CED
14	Y	823	CLA	O1D-CGD-O2D-CED
14	Y	840	CLA	O1D-CGD-O2D-CED
14	Z	813	CLA	O1D-CGD-O2D-CED
14	Z	822	CLA	O1D-CGD-O2D-CED
14	f	101	CLA	O1D-CGD-O2D-CED
14	g	102	CLA	O1D-CGD-O2D-CED
14	h	204	CLA	O1D-CGD-O2D-CED
14	j	102	CLA	O1D-CGD-O2D-CED
14	B	816	CLA	CBA-CGA-O2A-C1
14	B	824	CLA	CBA-CGA-O2A-C1
14	H	851	CLA	CBA-CGA-O2A-C1
14	J	102	CLA	CBA-CGA-O2A-C1
14	Y	815	CLA	CBA-CGA-O2A-C1
14	Z	818	CLA	CBA-CGA-O2A-C1
14	h	201	CLA	CBA-CGA-O2A-C1
14	A	818	CLA	CBD-CGD-O2D-CED
14	A	828	CLA	CBD-CGD-O2D-CED
14	B	809	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	CBD-CGD-O2D-CED
14	B	840	CLA	CBD-CGD-O2D-CED
14	G	804	CLA	CBD-CGD-O2D-CED
14	G	808	CLA	CBD-CGD-O2D-CED
14	G	817	CLA	CBD-CGD-O2D-CED
14	G	823	CLA	CBD-CGD-O2D-CED
14	G	827	CLA	CBD-CGD-O2D-CED
14	G	828	CLA	CBD-CGD-O2D-CED
14	H	808	CLA	CBD-CGD-O2D-CED
14	H	812	CLA	CBD-CGD-O2D-CED
14	H	814	CLA	CBD-CGD-O2D-CED
14	H	817	CLA	CBD-CGD-O2D-CED
14	H	825	CLA	CBD-CGD-O2D-CED
14	H	829	CLA	CBD-CGD-O2D-CED
14	H	832	CLA	CBD-CGD-O2D-CED
14	H	833	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	CBD-CGD-O2D-CED
14	Q	202	CLA	CBD-CGD-O2D-CED
14	U	1007	CLA	CBD-CGD-O2D-CED
14	Y	808	CLA	CBD-CGD-O2D-CED
14	Y	813	CLA	CBD-CGD-O2D-CED
14	Y	828	CLA	CBD-CGD-O2D-CED
14	Y	830	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	819	CLA	CBD-CGD-O2D-CED
14	Z	825	CLA	CBD-CGD-O2D-CED
14	Z	831	CLA	CBD-CGD-O2D-CED
14	Z	836	CLA	CBD-CGD-O2D-CED
14	h	201	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	O1A-CGA-O2A-C1
14	B	811	CLA	O1A-CGA-O2A-C1
14	B	822	CLA	O1A-CGA-O2A-C1
14	B	831	CLA	O1A-CGA-O2A-C1
14	B	832	CLA	O1A-CGA-O2A-C1
14	G	817	CLA	O1A-CGA-O2A-C1
14	G	841	CLA	O1A-CGA-O2A-C1
14	H	806	CLA	O1A-CGA-O2A-C1
14	H	822	CLA	O1A-CGA-O2A-C1
14	H	823	CLA	O1A-CGA-O2A-C1
14	L	206	CLA	O1A-CGA-O2A-C1
14	U	1006	CLA	O1A-CGA-O2A-C1
14	Y	804	CLA	O1A-CGA-O2A-C1
14	Y	829	CLA	O1A-CGA-O2A-C1
14	Z	826	CLA	O1A-CGA-O2A-C1
14	Z	830	CLA	O1A-CGA-O2A-C1
14	A	822	CLA	O1D-CGD-O2D-CED
14	B	835	CLA	O1D-CGD-O2D-CED
14	H	827	CLA	O1D-CGD-O2D-CED
14	Z	805	CLA	O1D-CGD-O2D-CED
14	Z	814	CLA	C8-C10-C11-C12
14	H	830	CLA	O1D-CGD-O2D-CED
14	Y	804	CLA	O1D-CGD-O2D-CED
14	Z	816	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	CBD-CGD-O2D-CED
14	A	837	CLA	CBD-CGD-O2D-CED
14	A	841	CLA	CBD-CGD-O2D-CED
14	B	826	CLA	CBD-CGD-O2D-CED
14	G	806	CLA	CBD-CGD-O2D-CED
14	H	836	CLA	CBD-CGD-O2D-CED
14	L	206	CLA	CBD-CGD-O2D-CED
14	Y	803	CLA	CBD-CGD-O2D-CED
14	Y	836	CLA	C10-C11-C12-C13
14	A	830	CLA	O1D-CGD-O2D-CED
14	B	811	CLA	O1D-CGD-O2D-CED
14	K	102	CLA	O1D-CGD-O2D-CED
14	Z	841	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
18	G	851	LHG	O9-C7-O7-C5
14	A	834	CLA	O1A-CGA-O2A-C1
14	A	809	CLA	C3-C5-C6-C7
14	A	813	CLA	C3-C5-C6-C7
14	A	828	CLA	C3-C5-C6-C7
14	A	834	CLA	C3-C5-C6-C7
14	B	807	CLA	C3-C5-C6-C7
14	B	816	CLA	C3-C5-C6-C7
14	B	818	CLA	C3-C5-C6-C7
14	B	826	CLA	C3-C5-C6-C7
14	B	832	CLA	C3-C5-C6-C7
14	B	837	CLA	C3-C5-C6-C7
14	G	802	CLA	C3-C5-C6-C7
14	G	804	CLA	C3-C5-C6-C7
14	G	811	CLA	C3-C5-C6-C7
14	G	812	CLA	C3-C5-C6-C7
14	G	818	CLA	C3-C5-C6-C7
14	G	832	CLA	C3-C5-C6-C7
14	H	803	CLA	C3-C5-C6-C7
14	H	813	CLA	C3-C5-C6-C7
14	H	817	CLA	C3-C5-C6-C7
14	H	831	CLA	C3-C5-C6-C7
14	H	839	CLA	C3-C5-C6-C7
14	U	1002	CLA	C3-C5-C6-C7
14	U	1006	CLA	C3-C5-C6-C7
14	Y	808	CLA	C3-C5-C6-C7
14	Y	818	CLA	C3-C5-C6-C7
14	Z	801	CLA	C3-C5-C6-C7
14	Z	808	CLA	C3-C5-C6-C7
14	Z	812	CLA	C3-C5-C6-C7
14	Z	818	CLA	C3-C5-C6-C7
14	Z	827	CLA	C3-C5-C6-C7
14	f	102	CLA	C3-C5-C6-C7
13	G	801	CL0	CBA-CGA-O2A-C1
14	A	804	CLA	CBA-CGA-O2A-C1
14	A	818	CLA	CBA-CGA-O2A-C1
14	A	821	CLA	CBA-CGA-O2A-C1
14	B	811	CLA	CBA-CGA-O2A-C1
14	B	812	CLA	CBA-CGA-O2A-C1
14	B	832	CLA	CBA-CGA-O2A-C1
14	G	841	CLA	CBA-CGA-O2A-C1
14	H	806	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	H	822	CLA	CBA-CGA-O2A-C1
14	L	206	CLA	CBA-CGA-O2A-C1
14	S	1101	CLA	CBA-CGA-O2A-C1
14	U	1002	CLA	CBA-CGA-O2A-C1
14	U	1006	CLA	CBA-CGA-O2A-C1
14	Y	804	CLA	CBA-CGA-O2A-C1
14	Y	807	CLA	CBA-CGA-O2A-C1
14	Y	811	CLA	CBA-CGA-O2A-C1
14	Y	812	CLA	CBA-CGA-O2A-C1
14	Y	816	CLA	CBA-CGA-O2A-C1
14	Y	829	CLA	CBA-CGA-O2A-C1
14	Z	814	CLA	CBA-CGA-O2A-C1
14	Z	826	CLA	CBA-CGA-O2A-C1
14	f	102	CLA	CBA-CGA-O2A-C1
14	A	843	CLA	O1D-CGD-O2D-CED
14	B	823	CLA	O1D-CGD-O2D-CED
14	B	824	CLA	O1D-CGD-O2D-CED
14	G	819	CLA	O1D-CGD-O2D-CED
14	H	837	CLA	O1D-CGD-O2D-CED
14	U	1006	CLA	O1D-CGD-O2D-CED
14	Y	819	CLA	O1D-CGD-O2D-CED
14	Y	832	CLA	O1D-CGD-O2D-CED
14	Z	815	CLA	O1D-CGD-O2D-CED
14	B	818	CLA	CBD-CGD-O2D-CED
14	B	827	CLA	CBD-CGD-O2D-CED
14	G	805	CLA	CBD-CGD-O2D-CED
14	G	841	CLA	CBD-CGD-O2D-CED
14	G	820	CLA	O1A-CGA-O2A-C1
14	A	806	CLA	C4-C3-C5-C6
14	G	830	CLA	C4-C3-C5-C6
14	H	802	CLA	C4-C3-C5-C6
14	H	827	CLA	C4-C3-C5-C6
14	h	206	CLA	C4-C3-C5-C6
14	A	821	CLA	C2-C3-C5-C6
14	A	842	CLA	C2-C3-C5-C6
14	H	802	CLA	C2-C3-C5-C6
14	J	102	CLA	C2-C3-C5-C6
14	Y	816	CLA	CBD-CGD-O2D-CED
14	Z	811	CLA	CBD-CGD-O2D-CED
14	Z	835	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	C2A-CAA-CBA-CGA
14	A	839	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	A	843	CLA	C2A-CAA-CBA-CGA
14	B	829	CLA	C2A-CAA-CBA-CGA
14	B	839	CLA	C2A-CAA-CBA-CGA
14	G	811	CLA	C2A-CAA-CBA-CGA
14	G	812	CLA	C2A-CAA-CBA-CGA
14	G	822	CLA	C2A-CAA-CBA-CGA
14	G	833	CLA	C2A-CAA-CBA-CGA
14	G	836	CLA	C2A-CAA-CBA-CGA
14	G	842	CLA	C2A-CAA-CBA-CGA
14	H	811	CLA	C2A-CAA-CBA-CGA
14	H	815	CLA	C2A-CAA-CBA-CGA
14	H	839	CLA	C2A-CAA-CBA-CGA
14	H	851	CLA	C2A-CAA-CBA-CGA
14	Y	807	CLA	C2A-CAA-CBA-CGA
14	Y	824	CLA	C2A-CAA-CBA-CGA
14	Y	834	CLA	C2A-CAA-CBA-CGA
14	Z	819	CLA	C2A-CAA-CBA-CGA
14	G	816	CLA	O1A-CGA-O2A-C1
14	H	840	CLA	O1A-CGA-O2A-C1
14	Y	833	CLA	O1A-CGA-O2A-C1
19	B	848	LMG	C35-C36-C37-C38
19	H	848	LMG	C35-C36-C37-C38
19	Z	849	LMG	C35-C36-C37-C38
14	A	810	CLA	C3-C5-C6-C7
14	B	803	CLA	C3-C5-C6-C7
14	B	805	CLA	C3-C5-C6-C7
14	B	839	CLA	C3-C5-C6-C7
14	G	806	CLA	C3-C5-C6-C7
14	G	821	CLA	C3-C5-C6-C7
14	G	837	CLA	C3-C5-C6-C7
14	G	841	CLA	C3-C5-C6-C7
14	H	808	CLA	C3-C5-C6-C7
14	L	205	CLA	C3-C5-C6-C7
14	Y	809	CLA	C3-C5-C6-C7
14	Y	813	CLA	C3-C5-C6-C7
14	Y	825	CLA	C3-C5-C6-C7
14	Y	841	CLA	C3-C5-C6-C7
14	Z	828	CLA	C3-C5-C6-C7
14	Z	838	CLA	C3-C5-C6-C7
14	Z	840	CLA	C3-C5-C6-C7
14	A	805	CLA	CBA-CGA-O2A-C1
14	A	812	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	A	830	CLA	CBA-CGA-O2A-C1
14	A	834	CLA	CBA-CGA-O2A-C1
14	A	838	CLA	CBA-CGA-O2A-C1
14	B	815	CLA	CBA-CGA-O2A-C1
14	B	822	CLA	CBA-CGA-O2A-C1
14	B	831	CLA	CBA-CGA-O2A-C1
14	G	816	CLA	CBA-CGA-O2A-C1
14	G	817	CLA	CBA-CGA-O2A-C1
14	G	825	CLA	CBA-CGA-O2A-C1
14	H	801	CLA	CBA-CGA-O2A-C1
14	H	814	CLA	CBA-CGA-O2A-C1
14	H	819	CLA	CBA-CGA-O2A-C1
14	H	823	CLA	CBA-CGA-O2A-C1
14	H	840	CLA	CBA-CGA-O2A-C1
14	L	204	CLA	CBA-CGA-O2A-C1
14	L	205	CLA	CBA-CGA-O2A-C1
14	Y	813	CLA	CBA-CGA-O2A-C1
14	Y	825	CLA	CBA-CGA-O2A-C1
14	Z	830	CLA	CBA-CGA-O2A-C1
14	Z	837	CLA	CBA-CGA-O2A-C1
14	h	205	CLA	CBA-CGA-O2A-C1
19	B	848	LMG	C20-C21-C22-C23
14	B	830	CLA	O1D-CGD-O2D-CED
14	G	831	CLA	O1D-CGD-O2D-CED
14	Y	812	CLA	O1D-CGD-O2D-CED
14	Y	833	CLA	O1D-CGD-O2D-CED
14	Z	808	CLA	O1D-CGD-O2D-CED
14	Z	837	CLA	O1D-CGD-O2D-CED
14	G	816	CLA	CBD-CGD-O2D-CED
14	G	832	CLA	CBD-CGD-O2D-CED
14	A	802	CLA	O1D-CGD-O2D-CED
14	B	839	CLA	O1D-CGD-O2D-CED
14	H	810	CLA	O1D-CGD-O2D-CED
14	Y	809	CLA	O1D-CGD-O2D-CED
14	f	102	CLA	O1D-CGD-O2D-CED
14	A	812	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	O1A-CGA-O2A-C1
14	A	838	CLA	O1A-CGA-O2A-C1
14	G	825	CLA	O1A-CGA-O2A-C1
14	H	819	CLA	O1A-CGA-O2A-C1
14	U	1003	CLA	O1A-CGA-O2A-C1
14	Y	812	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	Y	813	CLA	O1A-CGA-O2A-C1
14	Y	816	CLA	O1A-CGA-O2A-C1
14	Y	825	CLA	O1A-CGA-O2A-C1
14	f	102	CLA	O1A-CGA-O2A-C1
14	h	205	CLA	O1A-CGA-O2A-C1
18	Y	851	LHG	O9-C7-O7-C5
14	A	814	CLA	O1D-CGD-O2D-CED
17	A	846	BCR	C19-C20-C21-C22
17	A	851	BCR	C9-C10-C11-C12
17	B	842	BCR	C9-C10-C11-C12
17	B	842	BCR	C15-C16-C17-C18
17	B	843	BCR	C19-C20-C21-C22
17	G	845	BCR	C15-C16-C17-C18
17	G	846	BCR	C9-C10-C11-C12
17	G	848	BCR	C9-C10-C11-C12
17	H	843	BCR	C9-C10-C11-C12
17	J	103	BCR	C15-C16-C17-C18
17	L	207	BCR	C15-C16-C17-C18
17	R	101	BCR	C19-C20-C21-C22
17	Y	845	BCR	C15-C16-C17-C18
17	Y	852	BCR	C9-C10-C11-C12
17	Z	845	BCR	C15-C16-C17-C18
17	Z	847	BCR	C9-C10-C11-C12
17	d	203	BCR	C9-C10-C11-C12
17	e	101	BCR	C19-C20-C21-C22
14	A	809	CLA	CBD-CGD-O2D-CED
14	B	816	CLA	CBD-CGD-O2D-CED
14	B	825	CLA	CBD-CGD-O2D-CED
14	G	835	CLA	CBD-CGD-O2D-CED
14	Y	815	CLA	CBD-CGD-O2D-CED
14	Z	810	CLA	CBD-CGD-O2D-CED
14	Z	829	CLA	CBD-CGD-O2D-CED
14	h	206	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	O1D-CGD-O2D-CED
14	H	807	CLA	O1D-CGD-O2D-CED
14	Z	809	CLA	O1D-CGD-O2D-CED
14	Z	814	CLA	O1D-CGD-O2D-CED
18	A	852	LHG	O2-C2-C3-O3
18	B	849	LHG	O2-C2-C3-O3
13	G	801	CL0	C3-C5-C6-C7
14	A	818	CLA	C3-C5-C6-C7
14	B	809	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	H	805	CLA	C3-C5-C6-C7
14	H	811	CLA	C3-C5-C6-C7
14	L	204	CLA	C3-C5-C6-C7
14	Z	807	CLA	C3-C5-C6-C7
14	Z	809	CLA	C3-C5-C6-C7
14	A	817	CLA	CBA-CGA-O2A-C1
14	A	823	CLA	CBA-CGA-O2A-C1
14	A	836	CLA	CBA-CGA-O2A-C1
14	G	820	CLA	CBA-CGA-O2A-C1
14	H	804	CLA	CBA-CGA-O2A-C1
14	H	805	CLA	CBA-CGA-O2A-C1
14	U	1003	CLA	CBA-CGA-O2A-C1
14	Y	808	CLA	CBA-CGA-O2A-C1
14	Y	833	CLA	CBA-CGA-O2A-C1
14	Z	801	CLA	CBA-CGA-O2A-C1
14	Z	823	CLA	CBA-CGA-O2A-C1
14	Z	841	CLA	CBA-CGA-O2A-C1
14	h	204	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	O1A-CGA-O2A-C1
14	A	821	CLA	O1A-CGA-O2A-C1
14	L	204	CLA	O1A-CGA-O2A-C1
14	A	816	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	O1D-CGD-O2D-CED
14	B	817	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	O1D-CGD-O2D-CED
14	G	818	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O1D-CGD-O2D-CED
14	B	836	CLA	CBD-CGD-O2D-CED
14	G	813	CLA	CBD-CGD-O2D-CED
14	G	830	CLA	CBD-CGD-O2D-CED
14	H	826	CLA	CBD-CGD-O2D-CED
14	L	205	CLA	CBD-CGD-O2D-CED
14	T	103	CLA	CBD-CGD-O2D-CED
14	Z	817	CLA	CBD-CGD-O2D-CED
14	Z	824	CLA	CBD-CGD-O2D-CED
14	Z	840	CLA	CBD-CGD-O2D-CED
19	B	848	LMG	O6-C5-C6-O5
14	L	205	CLA	O1A-CGA-O2A-C1
14	Y	811	CLA	O1A-CGA-O2A-C1
14	Z	823	CLA	O1A-CGA-O2A-C1
14	h	204	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
18	Y	850	LHG	C13-C14-C15-C16
19	H	848	LMG	O6-C5-C6-O5
14	S	1103	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	C3-C5-C6-C7
14	A	806	CLA	C3-C5-C6-C7
14	A	841	CLA	C3-C5-C6-C7
14	B	806	CLA	C3-C5-C6-C7
14	G	827	CLA	C3-C5-C6-C7
14	H	825	CLA	C3-C5-C6-C7
14	A	832	CLA	CBA-CGA-O2A-C1
14	A	817	CLA	O1A-CGA-O2A-C1
14	A	823	CLA	O1A-CGA-O2A-C1
14	A	836	CLA	O1A-CGA-O2A-C1
14	B	815	CLA	O1A-CGA-O2A-C1
14	Z	801	CLA	O1A-CGA-O2A-C1
14	Z	837	CLA	O1A-CGA-O2A-C1
14	Z	841	CLA	O1A-CGA-O2A-C1
14	Z	810	CLA	C15-C16-C17-C18
14	A	818	CLA	C4-C3-C5-C6
14	A	841	CLA	C4-C3-C5-C6
14	B	813	CLA	C4-C3-C5-C6
14	G	817	CLA	C4-C3-C5-C6
14	G	820	CLA	C4-C3-C5-C6
14	G	840	CLA	C4-C3-C5-C6
14	H	806	CLA	C4-C3-C5-C6
14	H	824	CLA	C4-C3-C5-C6
14	H	828	CLA	C4-C3-C5-C6
14	Y	840	CLA	C4-C3-C5-C6
14	A	818	CLA	C2-C3-C5-C6
14	A	841	CLA	C2-C3-C5-C6
14	B	805	CLA	C2-C3-C5-C6
14	B	812	CLA	C2-C3-C5-C6
14	B	813	CLA	C2-C3-C5-C6
14	B	827	CLA	C2-C3-C5-C6
14	G	817	CLA	C2-C3-C5-C6
14	G	820	CLA	C2-C3-C5-C6
14	G	840	CLA	C2-C3-C5-C6
14	H	806	CLA	C2-C3-C5-C6
14	H	824	CLA	C2-C3-C5-C6
14	H	828	CLA	C2-C3-C5-C6
14	Y	840	CLA	C2-C3-C5-C6
14	A	842	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	H	831	CLA	C2A-CAA-CBA-CGA
14	Y	835	CLA	C2A-CAA-CBA-CGA
14	Y	841	CLA	C2A-CAA-CBA-CGA
14	Z	831	CLA	C2A-CAA-CBA-CGA
14	f	102	CLA	C2A-CAA-CBA-CGA
14	B	832	CLA	O1D-CGD-O2D-CED
14	G	829	CLA	O1D-CGD-O2D-CED
14	G	833	CLA	O1D-CGD-O2D-CED
14	H	814	CLA	O1D-CGD-O2D-CED
14	H	835	CLA	O1D-CGD-O2D-CED
14	Z	833	CLA	O1D-CGD-O2D-CED
18	A	853	LHG	C27-C28-C29-C30
14	A	832	CLA	O1A-CGA-O2A-C1
14	H	804	CLA	O1A-CGA-O2A-C1
14	H	805	CLA	O1A-CGA-O2A-C1
14	H	814	CLA	O1A-CGA-O2A-C1
14	Y	808	CLA	O1A-CGA-O2A-C1
14	Y	825	CLA	C2C-C3C-CAC-CBC
14	A	820	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	CBA-CGA-O2A-C1
14	B	828	CLA	CBA-CGA-O2A-C1
14	G	812	CLA	CBA-CGA-O2A-C1
14	G	822	CLA	CBA-CGA-O2A-C1
14	h	206	CLA	CBA-CGA-O2A-C1
14	G	804	CLA	O1D-CGD-O2D-CED
14	H	812	CLA	O1D-CGD-O2D-CED
14	Q	202	CLA	O1D-CGD-O2D-CED
14	G	827	CLA	O1D-CGD-O2D-CED
14	H	829	CLA	O1D-CGD-O2D-CED
14	U	1004	CLA	O1D-CGD-O2D-CED
14	Y	808	CLA	O1D-CGD-O2D-CED
14	Y	813	CLA	O1D-CGD-O2D-CED
14	Y	828	CLA	O1D-CGD-O2D-CED
14	Y	830	CLA	O1D-CGD-O2D-CED
14	Z	830	CLA	O1D-CGD-O2D-CED
14	H	806	CLA	CBD-CGD-O2D-CED
14	Y	807	CLA	CBD-CGD-O2D-CED
14	B	812	CLA	C2C-C3C-CAC-CBC
14	Z	841	CLA	C2C-C3C-CAC-CBC
14	G	817	CLA	O1D-CGD-O2D-CED
14	H	833	CLA	O1D-CGD-O2D-CED
14	Z	825	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
18	G	850	LHG	C1-C2-C3-O3
14	G	822	CLA	O1A-CGA-O2A-C1
14	H	813	CLA	O1A-CGA-O2A-C1
14	A	826	CLA	C2C-C3C-CAC-CBC
14	B	808	CLA	C3-C5-C6-C7
14	G	820	CLA	C3-C5-C6-C7
14	Y	806	CLA	C3-C5-C6-C7
14	Z	802	CLA	C3-C5-C6-C7
14	U	1007	CLA	O1D-CGD-O2D-CED
14	A	809	CLA	CBA-CGA-O2A-C1
14	A	819	CLA	CBA-CGA-O2A-C1
14	A	839	CLA	CBA-CGA-O2A-C1
14	B	803	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	CBA-CGA-O2A-C1
14	B	813	CLA	CBA-CGA-O2A-C1
14	B	821	CLA	CBA-CGA-O2A-C1
14	B	827	CLA	CBA-CGA-O2A-C1
14	G	803	CLA	CBA-CGA-O2A-C1
14	G	807	CLA	CBA-CGA-O2A-C1
14	G	818	CLA	CBA-CGA-O2A-C1
14	G	829	CLA	CBA-CGA-O2A-C1
14	G	837	CLA	CBA-CGA-O2A-C1
14	H	813	CLA	CBA-CGA-O2A-C1
14	H	831	CLA	CBA-CGA-O2A-C1
14	H	836	CLA	CBA-CGA-O2A-C1
14	L	201	CLA	CBA-CGA-O2A-C1
14	U	1004	CLA	CBA-CGA-O2A-C1
14	Y	803	CLA	CBA-CGA-O2A-C1
14	Y	819	CLA	CBA-CGA-O2A-C1
14	Y	822	CLA	CBA-CGA-O2A-C1
14	Z	815	CLA	CBA-CGA-O2A-C1
14	Z	817	CLA	CBA-CGA-O2A-C1
14	Z	833	CLA	CBA-CGA-O2A-C1
18	B	849	LHG	C24-C23-O8-C6
18	Y	851	LHG	C24-C23-O8-C6
14	A	831	CLA	CBD-CGD-O2D-CED
18	H	849	LHG	C27-C28-C29-C30
14	G	808	CLA	O1D-CGD-O2D-CED
14	G	828	CLA	O1D-CGD-O2D-CED
17	B	850	BCR	C15-C16-C17-C18
17	J	104	BCR	C9-C10-C11-C12
17	Z	843	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	Z	846	BCR	C15-C16-C17-C18
14	B	806	CLA	C15-C16-C17-C18
14	B	828	CLA	C15-C16-C17-C18
14	G	805	CLA	C13-C15-C16-C17
14	H	813	CLA	C5-C6-C7-C8
14	Y	805	CLA	C15-C16-C17-C18
14	h	204	CLA	C15-C16-C17-C18
19	H	848	LMG	C4-C5-C6-O5
14	L	201	CLA	CBD-CGD-O2D-CED
13	A	801	CL0	C8-C10-C11-C12
14	A	810	CLA	C5-C6-C7-C8
14	B	826	CLA	C15-C16-C17-C18
14	G	806	CLA	C15-C16-C17-C18
14	G	829	CLA	C15-C16-C17-C18
14	H	813	CLA	C8-C10-C11-C12
14	L	204	CLA	C15-C16-C17-C18
14	S	1101	CLA	C8-C10-C11-C12
14	Y	806	CLA	C15-C16-C17-C18
14	Y	828	CLA	C5-C6-C7-C8
14	Y	838	CLA	C8-C10-C11-C12
14	Y	841	CLA	C15-C16-C17-C18
14	Z	807	CLA	C10-C11-C12-C13
14	Z	818	CLA	C8-C10-C11-C12
14	Z	833	CLA	C5-C6-C7-C8
18	A	853	LHG	O2-C2-C3-O3
18	Y	851	LHG	O2-C2-C3-O3
18	G	850	LHG	C23-C24-C25-C26
18	B	849	LHG	O7-C5-C6-O8
18	j	101	LHG	O7-C5-C6-O8
14	G	826	CLA	CBA-CGA-O2A-C1
18	H	849	LHG	C25-C26-C27-C28
14	B	821	CLA	O1A-CGA-O2A-C1
14	G	812	CLA	O1A-CGA-O2A-C1
14	H	831	CLA	O1A-CGA-O2A-C1
18	Y	851	LHG	O10-C23-O8-C6
14	A	806	CLA	C2-C3-C5-C6
14	H	827	CLA	C2-C3-C5-C6
14	h	206	CLA	C2-C3-C5-C6
14	A	809	CLA	C14-C13-C15-C16
14	A	819	CLA	C11-C10-C8-C9
14	A	827	CLA	C6-C7-C8-C9
14	A	828	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A	828	CLA	C11-C10-C8-C9
14	B	804	CLA	C6-C7-C8-C9
14	B	807	CLA	C14-C13-C15-C16
14	B	808	CLA	C14-C13-C15-C16
14	B	809	CLA	C6-C7-C8-C9
14	B	839	CLA	C6-C7-C8-C9
14	G	809	CLA	C6-C7-C8-C9
14	G	821	CLA	C11-C12-C13-C14
14	G	825	CLA	C11-C12-C13-C14
14	G	827	CLA	C14-C13-C15-C16
14	G	830	CLA	C6-C7-C8-C9
14	G	852	CLA	C14-C13-C15-C16
14	H	805	CLA	C6-C7-C8-C9
14	H	814	CLA	C11-C12-C13-C14
14	H	825	CLA	C11-C10-C8-C9
14	L	201	CLA	C11-C12-C13-C14
14	L	205	CLA	C6-C7-C8-C9
14	S	1101	CLA	C11-C12-C13-C14
14	U	1006	CLA	C11-C12-C13-C14
14	Y	803	CLA	C6-C7-C8-C9
14	Y	806	CLA	C6-C7-C8-C9
14	Y	808	CLA	C14-C13-C15-C16
14	Y	822	CLA	C11-C10-C8-C9
14	Y	827	CLA	C11-C12-C13-C14
14	Y	830	CLA	C6-C7-C8-C9
14	Z	802	CLA	C6-C7-C8-C9
14	Z	804	CLA	C6-C7-C8-C9
14	Z	814	CLA	C14-C13-C15-C16
14	h	205	CLA	C6-C7-C8-C9
14	A	828	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	O1D-CGD-O2D-CED
14	H	825	CLA	O1D-CGD-O2D-CED
14	H	832	CLA	O1D-CGD-O2D-CED
14	Z	831	CLA	O1D-CGD-O2D-CED
14	d	202	CLA	CBD-CGD-O2D-CED
14	A	818	CLA	C5-C6-C7-C8
14	G	819	CLA	C10-C11-C12-C13
14	H	827	CLA	C5-C6-C7-C8
14	L	201	CLA	C15-C16-C17-C18
14	Y	819	CLA	C15-C16-C17-C18
14	Z	838	CLA	C8-C10-C11-C12
14	B	822	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	G	824	CLA	C2A-CAA-CBA-CGA
14	G	840	CLA	C2A-CAA-CBA-CGA
17	B	846	BCR	C7-C8-C9-C34
17	J	104	BCR	C37-C22-C23-C24
17	L	208	BCR	C11-C12-C13-C35
17	R	101	BCR	C37-C22-C23-C24
17	U	1008	BCR	C11-C12-C13-C35
17	Y	844	BCR	C36-C18-C19-C20
17	Z	844	BCR	C11-C12-C13-C35
17	Z	846	BCR	C36-C18-C19-C20
17	Z	847	BCR	C7-C8-C9-C34
17	A	846	BCR	C21-C22-C23-C24
17	B	846	BCR	C7-C8-C9-C10
17	L	208	BCR	C11-C12-C13-C14
17	U	1009	BCR	C11-C12-C13-C14
17	Z	847	BCR	C7-C8-C9-C10
18	A	852	LHG	C8-C7-O7-C5
18	H	849	LHG	C7-C8-C9-C10
14	G	829	CLA	O1A-CGA-O2A-C1
14	U	1004	CLA	O1A-CGA-O2A-C1
14	Y	803	CLA	O1A-CGA-O2A-C1
14	Y	822	CLA	O1A-CGA-O2A-C1
14	Z	833	CLA	O1A-CGA-O2A-C1
13	A	801	CL0	C13-C15-C16-C17
14	A	831	CLA	C15-C16-C17-C18
14	G	819	CLA	C15-C16-C17-C18
14	G	824	CLA	C10-C11-C12-C13
14	G	828	CLA	C5-C6-C7-C8
14	H	825	CLA	C5-C6-C7-C8
14	U	1004	CLA	C8-C10-C11-C12
14	Z	828	CLA	C10-C11-C12-C13
14	B	809	CLA	O1D-CGD-O2D-CED
14	h	201	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	C2C-C3C-CAC-CBC
14	G	809	CLA	C3-C5-C6-C7
14	A	807	CLA	CBA-CGA-O2A-C1
14	B	836	CLA	CBA-CGA-O2A-C1
14	Y	831	CLA	CBA-CGA-O2A-C1
14	Z	806	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	C15-C16-C17-C18
14	A	810	CLA	C8-C10-C11-C12
14	A	810	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	A	820	CLA	C10-C11-C12-C13
14	A	826	CLA	C13-C15-C16-C17
14	A	826	CLA	C15-C16-C17-C18
14	A	841	CLA	C8-C10-C11-C12
14	B	805	CLA	C13-C15-C16-C17
14	B	807	CLA	C5-C6-C7-C8
14	B	821	CLA	C5-C6-C7-C8
14	B	822	CLA	C5-C6-C7-C8
14	B	832	CLA	C5-C6-C7-C8
14	G	806	CLA	C10-C11-C12-C13
14	G	818	CLA	C8-C10-C11-C12
14	G	832	CLA	C13-C15-C16-C17
14	H	801	CLA	C13-C15-C16-C17
14	H	811	CLA	C5-C6-C7-C8
14	H	818	CLA	C10-C11-C12-C13
14	H	826	CLA	C13-C15-C16-C17
14	Y	817	CLA	C10-C11-C12-C13
14	Y	819	CLA	C10-C11-C12-C13
14	Y	826	CLA	C8-C10-C11-C12
14	Z	808	CLA	C8-C10-C11-C12
14	h	205	CLA	C8-C10-C11-C12
14	A	837	CLA	O1D-CGD-O2D-CED
14	G	821	CLA	CBD-CGD-O2D-CED
13	Y	801	CL0	C13-C15-C16-C17
14	A	819	CLA	C10-C11-C12-C13
14	A	819	CLA	C15-C16-C17-C18
14	B	804	CLA	C13-C15-C16-C17
14	B	824	CLA	C8-C10-C11-C12
14	B	827	CLA	C5-C6-C7-C8
14	G	805	CLA	C15-C16-C17-C18
14	G	809	CLA	C8-C10-C11-C12
14	G	826	CLA	C8-C10-C11-C12
14	G	829	CLA	C10-C11-C12-C13
14	G	830	CLA	C5-C6-C7-C8
14	G	852	CLA	C13-C15-C16-C17
14	H	803	CLA	C10-C11-C12-C13
14	H	806	CLA	C10-C11-C12-C13
14	H	823	CLA	C8-C10-C11-C12
14	H	827	CLA	C15-C16-C17-C18
14	H	828	CLA	C5-C6-C7-C8
14	H	831	CLA	C8-C10-C11-C12
14	L	204	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	Y	806	CLA	C13-C15-C16-C17
14	Y	811	CLA	C5-C6-C7-C8
14	Y	811	CLA	C13-C15-C16-C17
14	Y	827	CLA	C13-C15-C16-C17
14	Y	828	CLA	C15-C16-C17-C18
14	Z	803	CLA	C8-C10-C11-C12
14	Z	807	CLA	C5-C6-C7-C8
14	Z	814	CLA	C10-C11-C12-C13
15	Y	842	PQN	C25-C26-C27-C28
14	B	840	CLA	O1D-CGD-O2D-CED
14	Z	811	CLA	O1D-CGD-O2D-CED
14	Y	819	CLA	O1A-CGA-O2A-C1
18	B	849	LHG	C23-C24-C25-C26
13	Y	801	CL0	C5-C6-C7-C8
14	A	827	CLA	C5-C6-C7-C8
14	A	830	CLA	C15-C16-C17-C18
14	A	837	CLA	C13-C15-C16-C17
14	B	805	CLA	C5-C6-C7-C8
14	B	831	CLA	C5-C6-C7-C8
14	G	803	CLA	C8-C10-C11-C12
14	G	811	CLA	C13-C15-C16-C17
14	G	822	CLA	C13-C15-C16-C17
14	H	801	CLA	C10-C11-C12-C13
14	H	816	CLA	C5-C6-C7-C8
14	H	831	CLA	C5-C6-C7-C8
14	H	837	CLA	C10-C11-C12-C13
14	Y	812	CLA	C5-C6-C7-C8
14	Z	809	CLA	C5-C6-C7-C8
14	Z	809	CLA	C8-C10-C11-C12
14	Z	837	CLA	C8-C10-C11-C12
14	G	808	CLA	CBA-CGA-O2A-C1
14	G	827	CLA	CBA-CGA-O2A-C1
14	Y	823	CLA	CBA-CGA-O2A-C1
14	J	102	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	C2-C1-O2A-CGA
14	B	816	CLA	C2-C1-O2A-CGA
14	B	822	CLA	C2-C1-O2A-CGA
14	B	823	CLA	C2-C1-O2A-CGA
14	G	805	CLA	C2-C1-O2A-CGA
14	H	802	CLA	C2-C1-O2A-CGA
14	H	813	CLA	C2-C1-O2A-CGA
14	H	814	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	H	819	CLA	C2-C1-O2A-CGA
14	H	831	CLA	C2-C1-O2A-CGA
14	Y	825	CLA	C2-C1-O2A-CGA
14	d	201	CLA	C2-C1-O2A-CGA
14	h	204	CLA	C2-C1-O2A-CGA
14	A	827	CLA	C10-C11-C12-C13
14	H	837	CLA	C8-C10-C11-C12
14	L	206	CLA	C13-C15-C16-C17
14	Y	830	CLA	C5-C6-C7-C8
14	Z	841	CLA	C8-C10-C11-C12
18	A	852	LHG	C2-C3-O3-P
14	H	808	CLA	O1D-CGD-O2D-CED
18	j	101	LHG	C7-C8-C9-C10
14	d	201	CLA	CBD-CGD-O2D-CED
14	A	802	CLA	C13-C15-C16-C17
14	G	837	CLA	C15-C16-C17-C18
14	Y	820	CLA	C10-C11-C12-C13
14	A	803	CLA	C11-C10-C8-C7
14	A	822	CLA	C11-C12-C13-C15
14	B	825	CLA	C11-C10-C8-C7
14	G	806	CLA	C11-C10-C8-C7
14	G	808	CLA	C6-C7-C8-C10
14	G	808	CLA	C11-C12-C13-C15
14	G	820	CLA	C11-C10-C8-C7
14	G	821	CLA	C11-C12-C13-C15
14	G	821	CLA	C12-C13-C15-C16
14	H	806	CLA	C11-C10-C8-C7
14	H	823	CLA	C6-C7-C8-C10
14	L	204	CLA	C11-C12-C13-C15
14	U	1004	CLA	C6-C7-C8-C10
14	U	1004	CLA	C11-C12-C13-C15
14	U	1006	CLA	C11-C12-C13-C15
14	Y	832	CLA	C11-C10-C8-C7
14	Y	840	CLA	C11-C10-C8-C7
14	Z	808	CLA	C11-C12-C13-C15
14	A	809	CLA	O1A-CGA-O2A-C1
14	G	803	CLA	O1A-CGA-O2A-C1
14	G	837	CLA	O1A-CGA-O2A-C1
14	H	836	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	O1A-CGA-O2A-C1
17	A	848	BCR	C15-C16-C17-C18
17	A	849	BCR	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	B	850	BCR	C9-C10-C11-C12
17	H	845	BCR	C15-C16-C17-C18
17	J	103	BCR	C9-C10-C11-C12
17	M	101	BCR	C9-C10-C11-C12
17	U	1005	BCR	C15-C16-C17-C18
17	Y	846	BCR	C15-C16-C17-C18
17	Z	844	BCR	C9-C10-C11-C12
17	Z	846	BCR	C19-C20-C21-C22
17	Z	848	BCR	C15-C16-C17-C18
17	e	101	BCR	C15-C16-C17-C18
14	G	804	CLA	CBA-CGA-O2A-C1
14	H	829	CLA	CBA-CGA-O2A-C1
14	A	806	CLA	C2A-CAA-CBA-CGA
14	G	804	CLA	C2A-CAA-CBA-CGA
14	H	828	CLA	C2A-CAA-CBA-CGA
14	K	101	CLA	C2A-CAA-CBA-CGA
14	U	1004	CLA	C2A-CAA-CBA-CGA
14	Y	813	CLA	C2A-CAA-CBA-CGA
14	Z	818	CLA	C2A-CAA-CBA-CGA
14	Z	839	CLA	C2A-CAA-CBA-CGA
14	G	805	CLA	O1D-CGD-O2D-CED
14	G	823	CLA	O1D-CGD-O2D-CED
14	H	817	CLA	O1D-CGD-O2D-CED
14	H	836	CLA	O1D-CGD-O2D-CED
14	L	206	CLA	O1D-CGD-O2D-CED
14	Z	819	CLA	O1D-CGD-O2D-CED
14	Z	836	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	C13-C15-C16-C17
14	A	830	CLA	C13-C15-C16-C17
14	B	808	CLA	C15-C16-C17-C18
14	B	809	CLA	C13-C15-C16-C17
14	G	813	CLA	C10-C11-C12-C13
14	H	817	CLA	C13-C15-C16-C17
14	Y	818	CLA	C10-C11-C12-C13
14	Y	825	CLA	C5-C6-C7-C8
14	Y	829	CLA	C13-C15-C16-C17
14	Z	810	CLA	C5-C6-C7-C8
14	Z	817	CLA	C5-C6-C7-C8
15	Z	842	PQN	C23-C25-C26-C27
14	A	820	CLA	O1A-CGA-O2A-C1
14	A	839	CLA	O1A-CGA-O2A-C1
14	B	809	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	818	CLA	O1A-CGA-O2A-C1
14	B	828	CLA	O1A-CGA-O2A-C1
14	Y	823	CLA	O1A-CGA-O2A-C1
14	Z	817	CLA	O1A-CGA-O2A-C1
14	h	206	CLA	O1A-CGA-O2A-C1
19	H	848	LMG	O6-C1-O1-C7
13	Y	801	CL0	C15-C16-C17-C18
14	A	829	CLA	C8-C10-C11-C12
14	A	841	CLA	C13-C15-C16-C17
14	B	827	CLA	C10-C11-C12-C13
14	B	827	CLA	C15-C16-C17-C18
14	B	828	CLA	C10-C11-C12-C13
14	H	806	CLA	C13-C15-C16-C17
14	H	808	CLA	C13-C15-C16-C17
14	Y	840	CLA	C5-C6-C7-C8
14	Z	835	CLA	O1D-CGD-O2D-CED
17	A	849	BCR	C18-C19-C20-C21
17	B	845	BCR	C18-C19-C20-C21
17	F	201	BCR	C18-C19-C20-C21
17	G	846	BCR	C10-C11-C12-C13
17	G	846	BCR	C18-C19-C20-C21
17	H	842	BCR	C18-C19-C20-C21
17	M	101	BCR	C18-C19-C20-C21
17	R	101	BCR	C10-C11-C12-C13
17	R	102	BCR	C18-C19-C20-C21
17	U	1008	BCR	C18-C19-C20-C21
17	i	101	BCR	C10-C11-C12-C13
14	H	851	CLA	C2C-C3C-CAC-CBC
18	G	851	LHG	O2-C2-C3-O3
18	A	852	LHG	O9-C7-O7-C5
14	H	823	CLA	C3-C5-C6-C7
14	A	829	CLA	C13-C15-C16-C17
14	A	830	CLA	C8-C10-C11-C12
14	B	812	CLA	C10-C11-C12-C13
14	B	825	CLA	C13-C15-C16-C17
14	B	831	CLA	C10-C11-C12-C13
14	G	808	CLA	C13-C15-C16-C17
14	H	805	CLA	C13-C15-C16-C17
14	H	814	CLA	C5-C6-C7-C8
14	H	824	CLA	C5-C6-C7-C8
14	H	825	CLA	C8-C10-C11-C12
14	H	825	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	Y	809	CLA	C8-C10-C11-C12
14	Y	829	CLA	C15-C16-C17-C18
14	Z	801	CLA	C10-C11-C12-C13
14	Z	804	CLA	C10-C11-C12-C13
14	Z	815	CLA	C8-C10-C11-C12
14	Z	827	CLA	C15-C16-C17-C18
15	H	841	PQN	C15-C16-C17-C18
14	A	806	CLA	CBA-CGA-O2A-C1
14	A	837	CLA	CBA-CGA-O2A-C1
14	G	813	CLA	CBA-CGA-O2A-C1
14	G	833	CLA	CBA-CGA-O2A-C1
14	Y	826	CLA	CBA-CGA-O2A-C1
14	S	1101	CLA	CBD-CGD-O2D-CED
14	B	827	CLA	O1D-CGD-O2D-CED
14	A	807	CLA	O1A-CGA-O2A-C1
14	A	819	CLA	O1A-CGA-O2A-C1
14	B	813	CLA	O1A-CGA-O2A-C1
14	B	836	CLA	O1A-CGA-O2A-C1
14	G	807	CLA	O1A-CGA-O2A-C1
14	G	818	CLA	O1A-CGA-O2A-C1
14	G	826	CLA	O1A-CGA-O2A-C1
14	Z	815	CLA	O1A-CGA-O2A-C1
18	B	849	LHG	O10-C23-O8-C6
14	A	807	CLA	C10-C11-C12-C13
14	A	825	CLA	C5-C6-C7-C8
14	B	801	CLA	C13-C15-C16-C17
14	B	810	CLA	C5-C6-C7-C8
14	B	816	CLA	C15-C16-C17-C18
14	B	818	CLA	C10-C11-C12-C13
14	B	840	CLA	C15-C16-C17-C18
14	G	805	CLA	C10-C11-C12-C13
14	G	809	CLA	C5-C6-C7-C8
14	G	837	CLA	C13-C15-C16-C17
14	G	841	CLA	C15-C16-C17-C18
14	H	829	CLA	C8-C10-C11-C12
14	U	1002	CLA	C15-C16-C17-C18
14	U	1006	CLA	C15-C16-C17-C18
14	Y	804	CLA	C8-C10-C11-C12
14	Y	814	CLA	C5-C6-C7-C8
14	Y	822	CLA	C8-C10-C11-C12
14	Y	836	CLA	C5-C6-C7-C8
14	Z	824	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	Z	826	CLA	C8-C10-C11-C12
14	Z	829	CLA	C13-C15-C16-C17
15	Z	842	PQN	C15-C16-C17-C18
14	G	806	CLA	O1D-CGD-O2D-CED
14	G	841	CLA	O1D-CGD-O2D-CED
14	Y	816	CLA	O1D-CGD-O2D-CED
14	Z	829	CLA	O1D-CGD-O2D-CED
14	B	822	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	O1A-CGA-O2A-C1
14	G	808	CLA	O1A-CGA-O2A-C1
14	G	827	CLA	O1A-CGA-O2A-C1
14	Y	831	CLA	O1A-CGA-O2A-C1
14	Z	806	CLA	O1A-CGA-O2A-C1
14	A	826	CLA	C4C-C3C-CAC-CBC
14	Y	825	CLA	C4C-C3C-CAC-CBC
14	A	818	CLA	O1D-CGD-O2D-CED
14	A	828	CLA	C10-C11-C12-C13
14	A	839	CLA	C8-C10-C11-C12
14	A	841	CLA	C5-C6-C7-C8
14	B	801	CLA	C10-C11-C12-C13
14	B	836	CLA	C5-C6-C7-C8
14	B	840	CLA	C8-C10-C11-C12
14	G	811	CLA	C15-C16-C17-C18
14	H	829	CLA	C13-C15-C16-C17
14	L	201	CLA	C10-C11-C12-C13
14	Y	805	CLA	C13-C15-C16-C17
14	Y	821	CLA	C15-C16-C17-C18
14	Y	825	CLA	C13-C15-C16-C17
14	Y	838	CLA	C15-C16-C17-C18
14	Z	807	CLA	C13-C15-C16-C17
14	Z	809	CLA	C13-C15-C16-C17
14	Z	814	CLA	C13-C15-C16-C17
14	Z	820	CLA	C10-C11-C12-C13
15	G	843	PQN	C15-C16-C17-C18
15	H	841	PQN	C25-C26-C27-C28
18	B	849	LHG	C3-O3-P-O6
18	G	850	LHG	C4-O6-P-O3
18	H	849	LHG	C4-O6-P-O3
18	Y	850	LHG	C4-O6-P-O3
18	Y	851	LHG	C3-O3-P-O6
18	Y	851	LHG	C4-O6-P-O3
14	G	819	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	Y	824	CLA	C3-C5-C6-C7
14	A	827	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	CBA-CGA-O2A-C1
14	G	815	CLA	CBA-CGA-O2A-C1
14	Y	818	CLA	CBA-CGA-O2A-C1
14	Y	824	CLA	CBA-CGA-O2A-C1
14	Y	830	CLA	CBA-CGA-O2A-C1
14	A	825	CLA	C10-C11-C12-C13
14	G	819	CLA	C5-C6-C7-C8
14	L	201	CLA	C5-C6-C7-C8
14	Z	807	CLA	C15-C16-C17-C18
14	Z	811	CLA	C15-C16-C17-C18
14	B	827	CLA	O1A-CGA-O2A-C1
14	A	817	CLA	C2C-C3C-CAC-CBC
18	A	853	LHG	C1-C2-C3-O3
18	G	851	LHG	C1-C2-C3-O3
18	Y	850	LHG	C1-C2-C3-O3
14	A	837	CLA	C4-C3-C5-C6
14	B	801	CLA	C4-C3-C5-C6
14	G	819	CLA	C4-C3-C5-C6
14	S	1103	CLA	C4-C3-C5-C6
14	U	1007	CLA	C13-C15-C16-C17
14	Y	803	CLA	C5-C6-C7-C8
14	H	820	CLA	C2A-CAA-CBA-CGA
14	H	823	CLA	C2A-CAA-CBA-CGA
14	T	101	CLA	C2A-CAA-CBA-CGA
14	Y	822	CLA	C2A-CAA-CBA-CGA
14	Z	840	CLA	C2A-CAA-CBA-CGA
14	B	824	CLA	C16-C17-C18-C20
14	G	837	CLA	C16-C17-C18-C20
14	G	852	CLA	C16-C17-C18-C19
14	U	1002	CLA	C16-C17-C18-C19
14	h	206	CLA	C3-C5-C6-C7
14	G	821	CLA	CBA-CGA-O2A-C1
14	H	816	CLA	CBA-CGA-O2A-C1
14	Y	806	CLA	CBA-CGA-O2A-C1
14	Y	820	CLA	CBA-CGA-O2A-C1
14	Y	835	CLA	CBA-CGA-O2A-C1
14	Z	803	CLA	CBA-CGA-O2A-C1
14	Z	812	CLA	CBA-CGA-O2A-C1
14	Z	828	CLA	C15-C16-C17-C18
14	B	812	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
17	F	201	BCR	C14-C15-C16-C17
17	Y	846	BCR	C14-C15-C16-C17
14	Y	835	CLA	C2C-C3C-CAC-CBC
14	A	823	CLA	C8-C10-C11-C12
14	Z	808	CLA	C5-C6-C7-C8
14	Z	841	CLA	C4C-C3C-CAC-CBC
17	U	1008	BCR	C15-C16-C17-C18
17	Y	852	BCR	C15-C16-C17-C18
17	Z	843	BCR	C9-C10-C11-C12
18	A	853	LHG	C23-C24-C25-C26
14	W	1701	CLA	CBD-CGD-O2D-CED
18	B	849	LHG	C8-C7-O7-C5
14	Y	820	CLA	C5-C6-C7-C8
15	Z	842	PQN	C25-C26-C27-C28
17	A	846	BCR	C11-C10-C9-C34
17	A	848	BCR	C11-C10-C9-C34
17	A	848	BCR	C16-C17-C18-C36
17	B	846	BCR	C11-C10-C9-C34
17	B	847	BCR	C11-C10-C9-C34
17	B	850	BCR	C16-C17-C18-C36
17	G	846	BCR	C16-C17-C18-C36
17	G	849	BCR	C11-C10-C9-C34
17	H	846	BCR	C11-C10-C9-C34
17	H	847	BCR	C11-C10-C9-C34
17	I	102	BCR	C11-C10-C9-C34
17	L	207	BCR	C11-C10-C9-C34
17	L	207	BCR	C16-C17-C18-C36
17	S	1104	BCR	C11-C10-C9-C34
17	S	1105	BCR	C16-C17-C18-C36
17	U	1005	BCR	C16-C17-C18-C36
17	U	1009	BCR	C11-C10-C9-C34
17	V	101	BCR	C11-C10-C9-C34
17	Y	846	BCR	C16-C17-C18-C36
17	Y	849	BCR	C11-C10-C9-C34
17	Y	849	BCR	C16-C17-C18-C36
17	Y	852	BCR	C11-C10-C9-C34
17	Y	852	BCR	C16-C17-C18-C36
17	Z	847	BCR	C11-C10-C9-C34
17	Z	848	BCR	C11-C10-C9-C34
17	e	101	BCR	C11-C10-C9-C34
17	e	101	BCR	C16-C17-C18-C36
17	e	101	BCR	C20-C21-C22-C37

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Mol	Chain	Res	Type	Atoms
17	i	101	BCR	C11-C10-C9-C34
17	i	101	BCR	C16-C17-C18-C36
14	A	829	CLA	C3-C5-C6-C7
18	B	849	LHG	C13-C14-C15-C16
18	G	851	LHG	C25-C26-C27-C28
19	Z	849	LMG	C14-C15-C16-C17
14	G	813	CLA	O1A-CGA-O2A-C1
14	G	816	CLA	O1D-CGD-O2D-CED
14	G	835	CLA	O1D-CGD-O2D-CED
14	A	842	CLA	C16-C17-C18-C19
14	B	808	CLA	C16-C17-C18-C19
14	H	829	CLA	C16-C17-C18-C20
14	L	201	CLA	C16-C17-C18-C19
14	Z	823	CLA	C6-C7-C8-C10
14	Z	826	CLA	C16-C17-C18-C19
14	f	102	CLA	C6-C7-C8-C10
14	H	837	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	O1D-CGD-O2D-CED
18	B	849	LHG	O9-C7-O7-C5
14	B	827	CLA	C13-C15-C16-C17
14	H	807	CLA	C13-C15-C16-C17
14	H	817	CLA	C15-C16-C17-C18
14	H	840	CLA	CBD-CGD-O2D-CED
18	Y	850	LHG	C11-C12-C13-C14
19	Z	849	LMG	C19-C20-C21-C22
14	A	841	CLA	O1D-CGD-O2D-CED
14	Y	803	CLA	O1D-CGD-O2D-CED
18	Y	851	LHG	C24-C25-C26-C27
14	G	832	CLA	O1D-CGD-O2D-CED
14	G	828	CLA	C13-C15-C16-C17
14	B	801	CLA	C3-C5-C6-C7
17	A	846	BCR	C11-C10-C9-C8
17	A	848	BCR	C11-C10-C9-C8
17	A	849	BCR	C11-C10-C9-C8
17	B	846	BCR	C11-C10-C9-C8
17	G	847	BCR	C11-C10-C9-C8
17	I	102	BCR	C11-C10-C9-C8
17	L	207	BCR	C11-C10-C9-C8
17	S	1104	BCR	C11-C10-C9-C8
17	S	1105	BCR	C16-C17-C18-C19
17	U	1005	BCR	C16-C17-C18-C19
17	V	101	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
17	Y	849	BCR	C11-C10-C9-C8
17	Y	849	BCR	C16-C17-C18-C19
17	Y	852	BCR	C11-C10-C9-C8
17	Z	843	BCR	C16-C17-C18-C19
17	Z	848	BCR	C11-C10-C9-C8
17	e	101	BCR	C11-C10-C9-C8
17	h	202	BCR	C11-C10-C9-C8
17	i	101	BCR	C11-C10-C9-C8
19	H	848	LMG	C2-C1-O1-C7
14	G	805	CLA	CBA-CGA-O2A-C1
14	H	839	CLA	CBA-CGA-O2A-C1
14	B	804	CLA	C15-C16-C17-C18
14	B	807	CLA	C13-C15-C16-C17
14	G	806	CLA	C5-C6-C7-C8
14	G	808	CLA	C8-C10-C11-C12
14	L	204	CLA	C13-C15-C16-C17
14	A	827	CLA	O1A-CGA-O2A-C1
14	G	804	CLA	O1A-CGA-O2A-C1
14	G	815	CLA	O1A-CGA-O2A-C1
14	H	816	CLA	O1A-CGA-O2A-C1
14	Y	818	CLA	O1A-CGA-O2A-C1
14	A	822	CLA	C16-C17-C18-C19
14	A	830	CLA	C16-C17-C18-C19
14	B	825	CLA	C16-C17-C18-C20
14	G	824	CLA	C11-C12-C13-C15
14	H	817	CLA	C16-C17-C18-C19
14	Z	810	CLA	C16-C17-C18-C19
15	Z	842	PQN	C26-C27-C28-C30
14	A	820	CLA	C4-C3-C5-C6
15	B	841	PQN	C14-C13-C15-C16
14	G	830	CLA	C2-C3-C5-C6
13	Y	801	CL0	C11-C12-C13-C14
14	A	830	CLA	C6-C7-C8-C9
14	A	854	CLA	C11-C12-C13-C14
14	B	828	CLA	C11-C10-C8-C9
14	G	806	CLA	C11-C12-C13-C14
14	G	837	CLA	C11-C12-C13-C14
14	G	840	CLA	C11-C10-C8-C9
14	H	805	CLA	C11-C10-C8-C9
14	H	808	CLA	C11-C12-C13-C14
14	H	809	CLA	C6-C7-C8-C9
14	U	1006	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	Y	811	CLA	C11-C10-C8-C9
14	Z	811	CLA	C11-C12-C13-C14
14	Z	820	CLA	C6-C7-C8-C9
14	Z	827	CLA	C11-C10-C8-C9
14	A	806	CLA	O1D-CGD-O2D-CED
14	A	809	CLA	O1D-CGD-O2D-CED
19	Z	849	LMG	C31-C32-C33-C34
14	A	833	CLA	C8-C10-C11-C12
14	Y	825	CLA	C8-C10-C11-C12
15	B	841	PQN	C25-C26-C27-C28
14	A	825	CLA	C2A-CAA-CBA-CGA
14	A	826	CLA	C2A-CAA-CBA-CGA
14	B	827	CLA	C2A-CAA-CBA-CGA
14	B	831	CLA	C2A-CAA-CBA-CGA
14	G	802	CLA	C2A-CAA-CBA-CGA
14	G	805	CLA	C2A-CAA-CBA-CGA
14	G	841	CLA	C2A-CAA-CBA-CGA
14	Z	811	CLA	C2A-CAA-CBA-CGA
14	Z	817	CLA	C2A-CAA-CBA-CGA
14	A	806	CLA	O1A-CGA-O2A-C1
14	H	829	CLA	O1A-CGA-O2A-C1
14	Y	826	CLA	O1A-CGA-O2A-C1
14	Y	835	CLA	O1A-CGA-O2A-C1
14	A	825	CLA	C4C-C3C-CAC-CBC
18	G	851	LHG	O1-C1-C2-C3
18	Y	851	LHG	O1-C1-C2-C3
17	A	851	BCR	C21-C22-C23-C24
17	H	845	BCR	C17-C18-C19-C20
17	I	102	BCR	C21-C22-C23-C24
17	f	103	BCR	C11-C12-C13-C14
14	A	854	CLA	C3-C5-C6-C7
14	B	831	CLA	C3-C5-C6-C7
14	Y	827	CLA	C3-C5-C6-C7
14	A	819	CLA	C5-C6-C7-C8
14	A	829	CLA	C5-C6-C7-C8
14	B	807	CLA	C10-C11-C12-C13
18	G	850	LHG	C8-C7-O7-C5
18	A	852	LHG	C26-C27-C28-C29
14	B	816	CLA	O1D-CGD-O2D-CED
14	A	805	CLA	C10-C11-C12-C13
18	A	852	LHG	C13-C14-C15-C16
18	A	852	LHG	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
18	A	852	LHG	C29-C30-C31-C32
18	Y	850	LHG	C33-C34-C35-C36
19	B	848	LMG	C11-C12-C13-C14
14	A	804	CLA	C16-C17-C18-C19
14	A	804	CLA	C16-C17-C18-C20
14	A	809	CLA	C16-C17-C18-C19
14	A	826	CLA	C16-C17-C18-C19
14	A	841	CLA	C16-C17-C18-C19
14	A	841	CLA	C16-C17-C18-C20
14	B	831	CLA	C16-C17-C18-C19
14	B	839	CLA	C16-C17-C18-C19
14	G	833	CLA	C16-C17-C18-C19
14	G	833	CLA	C16-C17-C18-C20
14	H	806	CLA	C16-C17-C18-C20
14	H	822	CLA	C6-C7-C8-C9
14	H	822	CLA	C6-C7-C8-C10
14	Y	803	CLA	C16-C17-C18-C19
14	Y	803	CLA	C16-C17-C18-C20
14	Y	808	CLA	C16-C17-C18-C19
14	Y	808	CLA	C16-C17-C18-C20
14	Y	811	CLA	C16-C17-C18-C19
14	Y	811	CLA	C16-C17-C18-C20
14	Y	819	CLA	C16-C17-C18-C20
14	Y	829	CLA	C16-C17-C18-C19
14	Y	836	CLA	C16-C17-C18-C20
14	Z	801	CLA	C16-C17-C18-C20
14	Z	826	CLA	C16-C17-C18-C20
14	Z	828	CLA	C16-C17-C18-C19
14	h	204	CLA	C16-C17-C18-C20
15	B	841	PQN	C26-C27-C28-C29
15	B	841	PQN	C26-C27-C28-C30
14	G	817	CLA	C10-C11-C12-C13
14	G	825	CLA	C15-C16-C17-C18
14	Z	806	CLA	C15-C16-C17-C18
14	h	204	CLA	C10-C11-C12-C13
18	A	852	LHG	C33-C34-C35-C36
14	B	825	CLA	O1D-CGD-O2D-CED
14	A	804	CLA	C13-C15-C16-C17
14	H	836	CLA	C5-C6-C7-C8
14	Y	805	CLA	C8-C10-C11-C12
14	h	201	CLA	C5-C6-C7-C8
14	Y	821	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
18	H	849	LHG	C24-C23-O8-C6
19	H	848	LMG	C11-C12-C13-C14
14	H	826	CLA	O1D-CGD-O2D-CED
14	L	205	CLA	O1D-CGD-O2D-CED
14	T	103	CLA	O1D-CGD-O2D-CED
14	Z	840	CLA	O1D-CGD-O2D-CED
14	A	804	CLA	C3A-C2A-CAA-CBA
14	A	806	CLA	C3A-C2A-CAA-CBA
14	A	814	CLA	C3A-C2A-CAA-CBA
14	A	815	CLA	C3A-C2A-CAA-CBA
14	A	836	CLA	C3A-C2A-CAA-CBA
14	B	818	CLA	C3A-C2A-CAA-CBA
14	B	827	CLA	C3A-C2A-CAA-CBA
14	B	840	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C3A-C2A-CAA-CBA
14	G	806	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	C3A-C2A-CAA-CBA
14	G	835	CLA	C3A-C2A-CAA-CBA
14	G	836	CLA	C3A-C2A-CAA-CBA
14	H	819	CLA	C3A-C2A-CAA-CBA
14	H	836	CLA	C3A-C2A-CAA-CBA
14	Y	806	CLA	C3A-C2A-CAA-CBA
14	Y	823	CLA	C3A-C2A-CAA-CBA
14	Y	835	CLA	C3A-C2A-CAA-CBA
14	B	805	CLA	C8-C10-C11-C12
14	B	813	CLA	C8-C10-C11-C12
14	L	206	CLA	C5-C6-C7-C8
14	Y	829	CLA	C5-C6-C7-C8
17	A	847	BCR	C15-C16-C17-C18
17	B	844	BCR	C9-C10-C11-C12
17	U	1008	BCR	C19-C20-C21-C22
14	H	806	CLA	O1D-CGD-O2D-CED
14	A	837	CLA	O1A-CGA-O2A-C1
14	Y	820	CLA	O1A-CGA-O2A-C1
14	Y	824	CLA	O1A-CGA-O2A-C1
13	A	801	CL0	C16-C17-C18-C19
14	A	807	CLA	C16-C17-C18-C19
14	A	809	CLA	C16-C17-C18-C20
14	A	854	CLA	C16-C17-C18-C20
14	G	819	CLA	C16-C17-C18-C20
14	G	837	CLA	C16-C17-C18-C19
14	H	809	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	L	204	CLA	C16-C17-C18-C19
14	U	1002	CLA	C16-C17-C18-C20
14	Y	829	CLA	C16-C17-C18-C20
14	Y	836	CLA	C16-C17-C18-C19
14	Z	801	CLA	C16-C17-C18-C19
14	Z	807	CLA	C16-C17-C18-C19
14	Z	807	CLA	C16-C17-C18-C20
14	Z	808	CLA	C16-C17-C18-C19
14	h	204	CLA	C16-C17-C18-C19
14	Y	804	CLA	C10-C11-C12-C13
14	H	831	CLA	CBD-CGD-O2D-CED
14	Y	831	CLA	CBD-CGD-O2D-CED
17	G	846	BCR	C14-C15-C16-C17
17	H	842	BCR	C14-C15-C16-C17
17	H	845	BCR	C14-C15-C16-C17
14	G	805	CLA	C3-C5-C6-C7
14	H	804	CLA	C3-C5-C6-C7
18	A	853	LHG	C25-C26-C27-C28
14	Y	830	CLA	O1A-CGA-O2A-C1
14	B	808	CLA	C13-C15-C16-C17
14	H	805	CLA	C4-C3-C5-C6
14	L	206	CLA	C4-C3-C5-C6
14	U	1004	CLA	C4-C3-C5-C6
14	Y	803	CLA	C4-C3-C5-C6
14	G	831	CLA	CBA-CGA-O2A-C1
14	H	824	CLA	CBA-CGA-O2A-C1
14	A	820	CLA	C2-C3-C5-C6
14	H	805	CLA	C2-C3-C5-C6
14	L	206	CLA	C2-C3-C5-C6
14	Y	803	CLA	C2-C3-C5-C6
14	d	201	CLA	C2-C3-C5-C6
18	Y	850	LHG	C8-C7-O7-C5
14	H	824	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	C2A-CAA-CBA-CGA
18	B	849	LHG	O1-C1-C2-O2
18	G	850	LHG	O1-C1-C2-O2
18	G	851	LHG	O1-C1-C2-O2
18	Y	851	LHG	O1-C1-C2-O2
18	H	849	LHG	C9-C10-C11-C12
14	H	837	CLA	O1A-CGA-O2A-C1
14	G	824	CLA	C11-C12-C13-C14
14	G	852	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	H	806	CLA	C16-C17-C18-C19
14	L	201	CLA	C16-C17-C18-C20
14	L	204	CLA	C16-C17-C18-C20
14	Z	823	CLA	C6-C7-C8-C9
14	L	201	CLA	O1D-CGD-O2D-CED
14	Y	841	CLA	C5-C6-C7-C8
14	h	201	CLA	C13-C15-C16-C17
14	G	817	CLA	C3-C5-C6-C7
14	B	817	CLA	CBA-CGA-O2A-C1
14	Y	814	CLA	CBA-CGA-O2A-C1
14	Y	814	CLA	C2C-C3C-CAC-CBC
14	A	833	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	O1A-CGA-O2A-C1
14	G	833	CLA	O1A-CGA-O2A-C1
14	A	807	CLA	C15-C16-C17-C18
14	B	805	CLA	C10-C11-C12-C13
14	A	806	CLA	C2-C1-O2A-CGA
14	A	823	CLA	C2-C1-O2A-CGA
14	A	840	CLA	C2-C1-O2A-CGA
14	B	813	CLA	C2-C1-O2A-CGA
14	G	814	CLA	C2-C1-O2A-CGA
14	G	820	CLA	C2-C1-O2A-CGA
14	H	806	CLA	C2-C1-O2A-CGA
14	S	1103	CLA	C2-C1-O2A-CGA
14	Y	805	CLA	C2-C1-O2A-CGA
14	Y	807	CLA	C2-C1-O2A-CGA
14	Y	816	CLA	C2-C1-O2A-CGA
14	Y	826	CLA	C2-C1-O2A-CGA
14	Z	825	CLA	C2-C1-O2A-CGA
14	Z	841	CLA	C2-C1-O2A-CGA
18	G	850	LHG	C28-C29-C30-C31
13	Y	801	CL0	C10-C11-C12-C13
14	B	836	CLA	C8-C10-C11-C12
14	G	804	CLA	C8-C10-C11-C12
14	G	809	CLA	C15-C16-C17-C18
14	G	840	CLA	C10-C11-C12-C13
14	Z	826	CLA	C5-C6-C7-C8
14	Z	837	CLA	C10-C11-C12-C13
14	G	821	CLA	O1A-CGA-O2A-C1
14	Y	837	CLA	O1A-CGA-O2A-C1
14	Z	803	CLA	O1A-CGA-O2A-C1
14	H	829	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	H	802	CLA	C3-C5-C6-C7
17	A	846	BCR	C23-C24-C25-C26
17	A	847	BCR	C1-C6-C7-C8
17	A	847	BCR	C5-C6-C7-C8
17	A	850	BCR	C23-C24-C25-C30
17	B	844	BCR	C23-C24-C25-C26
17	B	845	BCR	C23-C24-C25-C30
17	B	846	BCR	C5-C6-C7-C8
17	B	846	BCR	C23-C24-C25-C26
17	B	846	BCR	C23-C24-C25-C30
17	B	850	BCR	C5-C6-C7-C8
17	B	850	BCR	C23-C24-C25-C26
17	B	850	BCR	C23-C24-C25-C30
17	G	845	BCR	C23-C24-C25-C26
17	G	847	BCR	C23-C24-C25-C26
17	G	848	BCR	C1-C6-C7-C8
17	H	842	BCR	C5-C6-C7-C8
17	H	842	BCR	C23-C24-C25-C30
17	H	843	BCR	C5-C6-C7-C8
17	H	843	BCR	C23-C24-C25-C26
17	H	843	BCR	C23-C24-C25-C30
17	H	844	BCR	C1-C6-C7-C8
17	H	846	BCR	C1-C6-C7-C8
17	H	847	BCR	C1-C6-C7-C8
17	H	847	BCR	C23-C24-C25-C26
17	J	103	BCR	C1-C6-C7-C8
17	J	104	BCR	C1-C6-C7-C8
17	L	207	BCR	C1-C6-C7-C8
17	L	207	BCR	C5-C6-C7-C8
17	L	208	BCR	C1-C6-C7-C8
17	L	208	BCR	C5-C6-C7-C8
17	M	101	BCR	C23-C24-C25-C26
17	Q	201	BCR	C5-C6-C7-C8
17	Q	203	BCR	C23-C24-C25-C30
17	R	101	BCR	C23-C24-C25-C30
17	R	102	BCR	C23-C24-C25-C30
17	S	1104	BCR	C1-C6-C7-C8
17	S	1104	BCR	C5-C6-C7-C8
17	S	1104	BCR	C23-C24-C25-C26
17	S	1104	BCR	C23-C24-C25-C30
17	T	102	BCR	C23-C24-C25-C26
17	T	102	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
17	U	1008	BCR	C23-C24-C25-C26
17	V	101	BCR	C5-C6-C7-C8
17	V	101	BCR	C23-C24-C25-C26
17	V	101	BCR	C23-C24-C25-C30
17	Y	846	BCR	C5-C6-C7-C8
17	Y	846	BCR	C23-C24-C25-C26
17	Y	848	BCR	C23-C24-C25-C26
17	Y	852	BCR	C23-C24-C25-C26
17	Z	844	BCR	C23-C24-C25-C26
17	Z	844	BCR	C23-C24-C25-C30
17	Z	847	BCR	C5-C6-C7-C8
17	Z	848	BCR	C5-C6-C7-C8
17	Z	850	BCR	C5-C6-C7-C8
17	e	101	BCR	C23-C24-C25-C26
17	e	101	BCR	C23-C24-C25-C30
17	h	207	BCR	C1-C6-C7-C8
14	A	804	CLA	C2C-C3C-CAC-CBC
18	B	849	LHG	C26-C27-C28-C29
13	Y	801	CL0	CBA-CGA-O2A-C1
14	G	840	CLA	CBA-CGA-O2A-C1
14	Y	836	CLA	CBA-CGA-O2A-C1
14	Y	837	CLA	CBA-CGA-O2A-C1
14	Z	820	CLA	CBA-CGA-O2A-C1
14	A	812	CLA	C10-C11-C12-C13
14	A	826	CLA	C5-C6-C7-C8
14	G	817	CLA	C8-C10-C11-C12
14	G	840	CLA	C13-C15-C16-C17
14	H	805	CLA	C15-C16-C17-C18
14	H	840	CLA	C15-C16-C17-C18
14	U	1003	CLA	C13-C15-C16-C17
14	Y	809	CLA	C13-C15-C16-C17
14	Y	820	CLA	C8-C10-C11-C12
14	Z	806	CLA	C13-C15-C16-C17
14	h	206	CLA	C13-C15-C16-C17
15	B	841	PQN	C23-C25-C26-C27
15	G	843	PQN	C20-C21-C22-C23
15	H	841	PQN	C18-C20-C21-C22
14	H	839	CLA	O1A-CGA-O2A-C1
14	Z	812	CLA	O1A-CGA-O2A-C1
14	Y	830	CLA	C4-C3-C5-C6
14	d	201	CLA	C4-C3-C5-C6
14	A	827	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	A	828	CLA	C12-C13-C15-C16
14	A	830	CLA	C6-C7-C8-C10
14	A	831	CLA	C12-C13-C15-C16
14	A	833	CLA	C12-C13-C15-C16
14	B	806	CLA	C6-C7-C8-C10
14	B	807	CLA	C11-C12-C13-C15
14	B	808	CLA	C11-C10-C8-C7
14	B	809	CLA	C11-C10-C8-C7
14	B	812	CLA	C6-C7-C8-C10
14	B	821	CLA	C2-C3-C5-C6
14	B	825	CLA	C11-C12-C13-C15
14	G	819	CLA	C2-C3-C5-C6
14	G	825	CLA	C11-C12-C13-C15
14	G	827	CLA	C12-C13-C15-C16
14	G	852	CLA	C12-C13-C15-C16
14	H	818	CLA	C6-C7-C8-C10
14	S	1101	CLA	C6-C7-C8-C10
14	S	1103	CLA	C2-C3-C5-C6
14	U	1002	CLA	C6-C7-C8-C10
14	U	1004	CLA	C2-C3-C5-C6
14	U	1006	CLA	C6-C7-C8-C10
14	Y	822	CLA	C11-C12-C13-C15
14	Y	824	CLA	C2-C3-C5-C6
14	Y	826	CLA	C6-C7-C8-C10
14	Y	832	CLA	C6-C7-C8-C10
14	Y	832	CLA	C12-C13-C15-C16
14	Z	807	CLA	C11-C10-C8-C7
14	Z	811	CLA	C11-C12-C13-C15
14	Z	814	CLA	C6-C7-C8-C10
14	Z	814	CLA	C11-C12-C13-C15
14	Z	827	CLA	C11-C12-C13-C15
14	Z	840	CLA	C11-C10-C8-C7
14	h	205	CLA	C11-C12-C13-C15
15	B	841	PQN	C12-C13-C15-C16
15	B	841	PQN	C17-C18-C20-C21
14	Z	817	CLA	C3-C5-C6-C7
14	G	831	CLA	O1A-CGA-O2A-C1
14	H	824	CLA	O1A-CGA-O2A-C1
14	Y	806	CLA	O1A-CGA-O2A-C1
14	Y	836	CLA	O1A-CGA-O2A-C1
18	H	849	LHG	O10-C23-O8-C6
14	G	840	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	F	201	BCR	C15-C16-C17-C18
14	B	831	CLA	C16-C17-C18-C20
14	Y	815	CLA	O1D-CGD-O2D-CED
14	Z	824	CLA	O1D-CGD-O2D-CED
18	G	850	LHG	O9-C7-O7-C5
14	A	829	CLA	CBA-CGA-O2A-C1
14	A	815	CLA	C2C-C3C-CAC-CBC
18	G	850	LHG	C33-C34-C35-C36
14	A	802	CLA	C2A-CAA-CBA-CGA
14	A	838	CLA	C2A-CAA-CBA-CGA
14	B	811	CLA	C2A-CAA-CBA-CGA
14	Z	823	CLA	C2A-CAA-CBA-CGA
14	A	810	CLA	C10-C11-C12-C13
14	A	839	CLA	C15-C16-C17-C18
14	B	815	CLA	C5-C6-C7-C8
14	G	837	CLA	C8-C10-C11-C12
14	H	813	CLA	C10-C11-C12-C13
14	H	818	CLA	C8-C10-C11-C12
14	H	827	CLA	C10-C11-C12-C13
14	Y	803	CLA	C8-C10-C11-C12
14	Y	808	CLA	C5-C6-C7-C8
14	Y	836	CLA	C13-C15-C16-C17
14	Z	829	CLA	C5-C6-C7-C8
14	A	807	CLA	C2C-C3C-CAC-CBC
14	G	818	CLA	C10-C11-C12-C13
14	H	827	CLA	C3-C5-C6-C7
14	U	1004	CLA	C3-C5-C6-C7
14	h	205	CLA	C3-C5-C6-C7
14	G	827	CLA	C2C-C3C-CAC-CBC
14	G	840	CLA	O1A-CGA-O2A-C1
14	Y	825	CLA	CBD-CGD-O2D-CED
14	A	814	CLA	CBA-CGA-O2A-C1
14	B	805	CLA	C16-C17-C18-C20
14	G	840	CLA	C16-C17-C18-C19
14	B	804	CLA	C10-C11-C12-C13
14	G	802	CLA	C10-C11-C12-C13
14	H	840	CLA	C8-C10-C11-C12
14	Z	841	CLA	C15-C16-C17-C18
14	G	821	CLA	O1D-CGD-O2D-CED
14	Z	810	CLA	O1D-CGD-O2D-CED
17	H	844	BCR	C10-C11-C12-C13
17	T	102	BCR	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
18	G	851	LHG	C28-C29-C30-C31
14	A	802	CLA	C10-C11-C12-C13
14	G	826	CLA	C5-C6-C7-C8
14	G	827	CLA	C13-C15-C16-C17
14	G	803	CLA	CBD-CGD-O2D-CED
14	Y	827	CLA	CBD-CGD-O2D-CED
14	Y	822	CLA	C3-C5-C6-C7
18	B	849	LHG	C11-C12-C13-C14
14	H	809	CLA	C15-C16-C17-C18
14	G	813	CLA	O1D-CGD-O2D-CED
14	G	830	CLA	O1D-CGD-O2D-CED
14	B	825	CLA	C16-C17-C18-C19
15	Z	842	PQN	C26-C27-C28-C29
14	A	812	CLA	C8-C10-C11-C12
14	B	802	CLA	C10-C11-C12-C13
14	Y	817	CLA	C8-C10-C11-C12
14	Z	815	CLA	C15-C16-C17-C18
14	B	826	CLA	O1D-CGD-O2D-CED
14	A	837	CLA	C2-C3-C5-C6
14	B	801	CLA	C2-C3-C5-C6
13	Y	801	CL0	C6-C7-C8-C9
14	A	807	CLA	C11-C12-C13-C14
14	A	822	CLA	C11-C10-C8-C9
14	A	830	CLA	C14-C13-C15-C16
14	A	831	CLA	C14-C13-C15-C16
14	A	833	CLA	C14-C13-C15-C16
14	A	854	CLA	C6-C7-C8-C9
14	B	808	CLA	C11-C10-C8-C9
14	B	809	CLA	C11-C10-C8-C9
14	B	809	CLA	C14-C13-C15-C16
14	B	812	CLA	C6-C7-C8-C9
14	B	813	CLA	C6-C7-C8-C9
14	B	825	CLA	C11-C12-C13-C14
14	B	831	CLA	C14-C13-C15-C16
14	G	808	CLA	C6-C7-C8-C9
14	H	810	CLA	C14-C13-C15-C16
14	H	818	CLA	C6-C7-C8-C9
14	L	204	CLA	C11-C12-C13-C14
14	S	1101	CLA	C6-C7-C8-C9
14	U	1002	CLA	C6-C7-C8-C9
14	U	1004	CLA	C6-C7-C8-C9
14	U	1004	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	Y	806	CLA	C14-C13-C15-C16
14	Y	822	CLA	C11-C12-C13-C14
14	Z	801	CLA	C11-C10-C8-C9
14	Z	814	CLA	C6-C7-C8-C9
14	d	201	CLA	C14-C13-C15-C16
14	h	201	CLA	C6-C7-C8-C9
14	h	204	CLA	C14-C13-C15-C16
15	G	843	PQN	C16-C17-C18-C19
14	B	817	CLA	O1A-CGA-O2A-C1
14	B	818	CLA	C2A-CAA-CBA-CGA
14	H	822	CLA	C2A-CAA-CBA-CGA
14	Y	802	CLA	C2A-CAA-CBA-CGA
14	A	822	CLA	CBA-CGA-O2A-C1
17	L	207	BCR	C11-C12-C13-C35
17	h	207	BCR	C11-C12-C13-C35
14	G	816	CLA	C2C-C3C-CAC-CBC
17	L	207	BCR	C11-C12-C13-C14
13	Y	801	CL0	O1A-CGA-O2A-C1
14	Y	821	CLA	O1A-CGA-O2A-C1
14	Z	820	CLA	O1A-CGA-O2A-C1
14	A	809	CLA	C1A-C2A-CAA-CBA
14	A	814	CLA	C1A-C2A-CAA-CBA
14	A	815	CLA	C1A-C2A-CAA-CBA
14	A	817	CLA	C1A-C2A-CAA-CBA
14	A	819	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C1A-C2A-CAA-CBA
14	A	838	CLA	C1A-C2A-CAA-CBA
14	B	820	CLA	C1A-C2A-CAA-CBA
14	B	824	CLA	C1A-C2A-CAA-CBA
14	B	831	CLA	C1A-C2A-CAA-CBA
14	B	840	CLA	C1A-C2A-CAA-CBA
14	G	806	CLA	C1A-C2A-CAA-CBA
14	G	808	CLA	C1A-C2A-CAA-CBA
14	G	815	CLA	C1A-C2A-CAA-CBA
14	G	816	CLA	C1A-C2A-CAA-CBA
14	G	818	CLA	C1A-C2A-CAA-CBA
14	G	819	CLA	C1A-C2A-CAA-CBA
14	G	820	CLA	C1A-C2A-CAA-CBA
14	G	822	CLA	C1A-C2A-CAA-CBA
14	G	824	CLA	C1A-C2A-CAA-CBA
14	G	834	CLA	C1A-C2A-CAA-CBA
14	G	836	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	H	805	CLA	C1A-C2A-CAA-CBA
14	H	814	CLA	C1A-C2A-CAA-CBA
14	H	818	CLA	C1A-C2A-CAA-CBA
14	H	829	CLA	C1A-C2A-CAA-CBA
14	H	831	CLA	C1A-C2A-CAA-CBA
14	H	834	CLA	C1A-C2A-CAA-CBA
14	H	836	CLA	C1A-C2A-CAA-CBA
14	K	101	CLA	C1A-C2A-CAA-CBA
14	Y	803	CLA	C1A-C2A-CAA-CBA
14	Y	804	CLA	C1A-C2A-CAA-CBA
14	Y	806	CLA	C1A-C2A-CAA-CBA
14	Y	808	CLA	C1A-C2A-CAA-CBA
14	Y	816	CLA	C1A-C2A-CAA-CBA
14	Y	819	CLA	C1A-C2A-CAA-CBA
14	Y	821	CLA	C1A-C2A-CAA-CBA
14	Y	835	CLA	C1A-C2A-CAA-CBA
14	Y	838	CLA	C1A-C2A-CAA-CBA
14	Z	806	CLA	C1A-C2A-CAA-CBA
14	Z	819	CLA	C1A-C2A-CAA-CBA
14	Z	820	CLA	C1A-C2A-CAA-CBA
14	Z	821	CLA	C1A-C2A-CAA-CBA
14	Z	827	CLA	C1A-C2A-CAA-CBA
14	Z	828	CLA	C1A-C2A-CAA-CBA
14	Z	835	CLA	C1A-C2A-CAA-CBA
14	d	201	CLA	C1A-C2A-CAA-CBA
14	g	101	CLA	C1A-C2A-CAA-CBA
14	A	822	CLA	C16-C17-C18-C20
14	A	830	CLA	C16-C17-C18-C20
14	B	839	CLA	C16-C17-C18-C20
14	Z	810	CLA	C16-C17-C18-C20
14	f	102	CLA	C6-C7-C8-C9
18	Y	850	LHG	O9-C7-O7-C5
14	Y	835	CLA	C4C-C3C-CAC-CBC
18	B	849	LHG	C29-C30-C31-C32
18	G	850	LHG	C11-C10-C9-C8
17	Y	846	BCR	C9-C10-C11-C12
14	B	836	CLA	O1D-CGD-O2D-CED
14	h	206	CLA	O1D-CGD-O2D-CED
18	G	850	LHG	C15-C16-C17-C18
18	Y	850	LHG	C17-C18-C19-C20
14	H	809	CLA	C3-C5-C6-C7
14	Z	817	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	801	CLA	C15-C16-C17-C18
14	G	808	CLA	C15-C16-C17-C18
14	Y	822	CLA	C13-C15-C16-C17
14	Y	824	CLA	C5-C6-C7-C8
14	Y	836	CLA	C15-C16-C17-C18
14	G	828	CLA	CBA-CGA-O2A-C1
18	B	849	LHG	O6-C4-C5-C6
18	H	849	LHG	O6-C4-C5-C6
14	B	820	CLA	C2C-C3C-CAC-CBC
18	G	851	LHG	C23-C24-C25-C26
14	B	808	CLA	C16-C17-C18-C20
14	Z	806	CLA	C16-C17-C18-C19
14	A	824	CLA	CBA-CGA-O2A-C1
14	B	821	CLA	C4-C3-C5-C6
14	Y	824	CLA	C4-C3-C5-C6
14	A	805	CLA	C2-C3-C5-C6
14	B	807	CLA	C8-C10-C11-C12
14	H	818	CLA	C5-C6-C7-C8
19	H	848	LMG	C14-C15-C16-C17
14	Y	814	CLA	O1A-CGA-O2A-C1
18	B	849	LHG	C9-C10-C11-C12
14	G	815	CLA	C2A-CAA-CBA-CGA
14	G	835	CLA	C2A-CAA-CBA-CGA
14	H	801	CLA	C2A-CAA-CBA-CGA
14	Y	815	CLA	C2A-CAA-CBA-CGA
14	H	809	CLA	C16-C17-C18-C19
14	H	817	CLA	C16-C17-C18-C20
14	H	832	CLA	C6-C7-C8-C10
14	Z	829	CLA	C16-C17-C18-C19
14	d	202	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	C3-C5-C6-C7
18	B	849	LHG	C4-C5-C6-O8
18	j	101	LHG	C4-C5-C6-O8
13	G	801	CL0	C15-C16-C17-C18
14	B	826	CLA	C13-C15-C16-C17
19	Z	849	LMG	C11-C12-C13-C14
14	A	824	CLA	O1A-CGA-O2A-C1
14	H	812	CLA	C2C-C3C-CAC-CBC
14	S	1101	CLA	C2C-C3C-CAC-CBC
18	B	849	LHG	C30-C31-C32-C33
18	G	850	LHG	C16-C17-C18-C19
14	Z	837	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
18	A	852	LHG	C27-C28-C29-C30
18	Y	850	LHG	C35-C36-C37-C38
14	A	807	CLA	C13-C15-C16-C17
14	Z	802	CLA	C13-C15-C16-C17
14	h	204	CLA	C13-C15-C16-C17
14	G	819	CLA	O1A-CGA-O2A-C1
18	Y	850	LHG	C28-C29-C30-C31
14	S	1101	CLA	C5-C6-C7-C8
17	A	849	BCR	C11-C10-C9-C34
17	H	850	BCR	C11-C10-C9-C34
19	Z	849	LMG	O6-C5-C6-O5
14	A	805	CLA	C4-C3-C5-C6
14	G	832	CLA	C4-C3-C5-C6
14	H	837	CLA	C4-C3-C5-C6
18	H	849	LHG	C11-C10-C9-C8
18	j	101	LHG	C10-C11-C12-C13
13	Y	801	CL0	C16-C17-C18-C20
14	Y	819	CLA	C16-C17-C18-C19
14	Z	802	CLA	C16-C17-C18-C20
14	G	819	CLA	CBA-CGA-O2A-C1
14	A	812	CLA	C13-C15-C16-C17
14	B	837	CLA	C8-C10-C11-C12
14	Y	819	CLA	C5-C6-C7-C8
14	G	812	CLA	C6-C7-C8-C9
14	U	1007	CLA	C2A-CAA-CBA-CGA
14	A	816	CLA	C2-C1-O2A-CGA
14	A	820	CLA	C2-C1-O2A-CGA
14	B	809	CLA	C2-C1-O2A-CGA
14	G	836	CLA	C2-C1-O2A-CGA
14	G	838	CLA	C2-C1-O2A-CGA
14	H	810	CLA	C2-C1-O2A-CGA
14	Y	819	CLA	C2-C1-O2A-CGA
14	Y	820	CLA	C2-C1-O2A-CGA
14	Y	822	CLA	C2-C1-O2A-CGA
14	Y	840	CLA	C2-C1-O2A-CGA
14	Z	807	CLA	C2-C1-O2A-CGA
14	d	201	CLA	O1D-CGD-O2D-CED
14	h	204	CLA	C3-C5-C6-C7
18	G	851	LHG	C26-C27-C28-C29
18	Y	850	LHG	C11-C10-C9-C8
14	Y	807	CLA	O1D-CGD-O2D-CED
14	A	837	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	B	825	CLA	C5-C6-C7-C8
14	Z	827	CLA	C13-C15-C16-C17
14	G	832	CLA	CBA-CGA-O2A-C1
14	h	205	CLA	CBD-CGD-O2D-CED
14	A	837	CLA	C10-C11-C12-C13
14	Y	811	CLA	C15-C16-C17-C18
14	Z	801	CLA	C15-C16-C17-C18
19	Z	849	LMG	C39-C40-C41-C42
14	H	840	CLA	O1D-CGD-O2D-CED
14	A	814	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	C2C-C3C-CAC-CBC
14	Z	813	CLA	C2C-C3C-CAC-CBC
14	A	803	CLA	C13-C15-C16-C17
14	Y	818	CLA	C13-C15-C16-C17
14	Z	803	CLA	C10-C11-C12-C13
17	L	207	BCR	C16-C17-C18-C19
14	A	817	CLA	C4C-C3C-CAC-CBC
14	G	804	CLA	C5-C6-C7-C8
14	Y	819	CLA	C4-C3-C5-C6
14	H	808	CLA	C5-C6-C7-C8
13	Y	801	CL0	C6-C7-C8-C10
13	Y	801	CL0	C12-C13-C15-C16
14	A	807	CLA	C11-C10-C8-C7
14	A	807	CLA	C11-C12-C13-C15
14	A	809	CLA	C12-C13-C15-C16
14	A	820	CLA	C6-C7-C8-C10
14	A	820	CLA	C12-C13-C15-C16
14	A	822	CLA	C11-C10-C8-C7
14	A	823	CLA	C11-C10-C8-C7
14	A	828	CLA	C11-C10-C8-C7
14	A	830	CLA	C12-C13-C15-C16
14	A	837	CLA	C12-C13-C15-C16
14	A	839	CLA	C11-C10-C8-C7
14	B	804	CLA	C6-C7-C8-C10
14	B	807	CLA	C12-C13-C15-C16
14	B	808	CLA	C12-C13-C15-C16
14	B	809	CLA	C12-C13-C15-C16
14	B	813	CLA	C6-C7-C8-C10
14	B	825	CLA	C6-C7-C8-C10
14	B	826	CLA	C11-C10-C8-C7
14	B	831	CLA	C12-C13-C15-C16
14	B	839	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	G	803	CLA	C11-C12-C13-C15
14	G	809	CLA	C12-C13-C15-C16
14	G	811	CLA	C11-C12-C13-C15
14	G	828	CLA	C12-C13-C15-C16
14	G	832	CLA	C2-C3-C5-C6
14	G	833	CLA	C12-C13-C15-C16
14	H	802	CLA	C12-C13-C15-C16
14	H	805	CLA	C6-C7-C8-C10
14	H	810	CLA	C12-C13-C15-C16
14	H	813	CLA	C6-C7-C8-C10
14	H	814	CLA	C11-C10-C8-C7
14	H	819	CLA	C11-C10-C8-C7
14	L	201	CLA	C11-C10-C8-C7
14	L	204	CLA	C6-C7-C8-C10
14	L	205	CLA	C6-C7-C8-C10
14	L	205	CLA	C12-C13-C15-C16
14	S	1101	CLA	C11-C12-C13-C15
14	U	1007	CLA	C12-C13-C15-C16
14	Y	804	CLA	C11-C10-C8-C7
14	Y	806	CLA	C12-C13-C15-C16
14	Y	808	CLA	C11-C10-C8-C7
14	Y	819	CLA	C2-C3-C5-C6
14	Y	821	CLA	C11-C10-C8-C7
14	Y	822	CLA	C6-C7-C8-C10
14	Y	827	CLA	C11-C12-C13-C15
14	Y	836	CLA	C6-C7-C8-C10
14	Y	836	CLA	C11-C12-C13-C15
14	Y	836	CLA	C12-C13-C15-C16
14	Y	838	CLA	C11-C10-C8-C7
14	Y	840	CLA	C6-C7-C8-C10
14	Z	802	CLA	C12-C13-C15-C16
14	Z	803	CLA	C11-C12-C13-C15
14	Z	804	CLA	C11-C10-C8-C7
14	d	201	CLA	C12-C13-C15-C16
14	h	201	CLA	C6-C7-C8-C10
14	h	204	CLA	C12-C13-C15-C16
14	h	205	CLA	C6-C7-C8-C10
14	h	205	CLA	C11-C10-C8-C7
14	A	826	CLA	C3-C5-C6-C7
14	H	829	CLA	C3-C5-C6-C7
14	A	829	CLA	O1A-CGA-O2A-C1
13	Y	801	CL0	C14-C13-C15-C16

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A	806	CLA	C6-C7-C8-C9
14	A	819	CLA	C11-C12-C13-C14
14	A	820	CLA	C6-C7-C8-C9
14	A	823	CLA	C11-C10-C8-C9
14	A	828	CLA	C11-C12-C13-C14
14	A	828	CLA	C14-C13-C15-C16
14	B	825	CLA	C6-C7-C8-C9
14	B	825	CLA	C11-C10-C8-C9
14	B	826	CLA	C11-C10-C8-C9
14	B	837	CLA	C11-C12-C13-C14
14	G	802	CLA	C14-C13-C15-C16
14	G	806	CLA	C11-C10-C8-C9
14	G	809	CLA	C14-C13-C15-C16
14	G	811	CLA	C6-C7-C8-C9
14	G	824	CLA	C11-C10-C8-C9
14	G	825	CLA	C11-C10-C8-C9
14	G	829	CLA	C14-C13-C15-C16
14	G	833	CLA	C14-C13-C15-C16
14	G	837	CLA	C14-C13-C15-C16
14	H	801	CLA	C11-C12-C13-C14
14	H	802	CLA	C14-C13-C15-C16
14	H	813	CLA	C6-C7-C8-C9
14	H	814	CLA	C11-C10-C8-C9
14	H	814	CLA	C14-C13-C15-C16
14	H	817	CLA	C11-C12-C13-C14
14	H	819	CLA	C11-C10-C8-C9
14	H	823	CLA	C6-C7-C8-C9
14	H	825	CLA	C6-C7-C8-C9
14	H	831	CLA	C11-C12-C13-C14
14	L	201	CLA	C11-C10-C8-C9
14	L	202	CLA	C14-C13-C15-C16
14	L	204	CLA	C6-C7-C8-C9
14	L	205	CLA	C14-C13-C15-C16
14	U	1002	CLA	C11-C12-C13-C14
14	U	1007	CLA	C14-C13-C15-C16
14	Y	804	CLA	C11-C10-C8-C9
14	Y	809	CLA	C11-C12-C13-C14
14	Y	821	CLA	C11-C10-C8-C9
14	Y	822	CLA	C6-C7-C8-C9
14	Y	828	CLA	C14-C13-C15-C16
14	Y	832	CLA	C6-C7-C8-C9
14	Y	832	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Y	841	CLA	C11-C12-C13-C14
14	Z	802	CLA	C14-C13-C15-C16
14	Z	803	CLA	C11-C12-C13-C14
14	Z	827	CLA	C11-C12-C13-C14
14	Z	838	CLA	C6-C7-C8-C9
14	h	205	CLA	C11-C10-C8-C9
14	h	205	CLA	C11-C12-C13-C14
15	B	841	PQN	C19-C18-C20-C21
17	Y	844	BCR	C19-C20-C21-C22
18	H	849	LHG	C10-C11-C12-C13
14	A	831	CLA	CBA-CGA-O2A-C1
14	H	832	CLA	CBA-CGA-O2A-C1
14	Z	838	CLA	CBA-CGA-O2A-C1
14	B	822	CLA	C10-C11-C12-C13
14	G	805	CLA	C8-C10-C11-C12
15	H	841	PQN	C20-C21-C22-C23
14	A	819	CLA	C2A-CAA-CBA-CGA
14	B	830	CLA	C2A-CAA-CBA-CGA
14	H	813	CLA	C2A-CAA-CBA-CGA
14	Y	808	CLA	C2A-CAA-CBA-CGA
14	A	831	CLA	O1D-CGD-O2D-CED
14	S	1101	CLA	O1D-CGD-O2D-CED
17	T	102	BCR	C37-C22-C23-C24
14	Z	826	CLA	C15-C16-C17-C18
14	A	825	CLA	C11-C12-C13-C14
14	A	842	CLA	C16-C17-C18-C20
14	B	805	CLA	C16-C17-C18-C19
14	B	826	CLA	C16-C17-C18-C19
14	H	825	CLA	C16-C17-C18-C20
14	Y	825	CLA	C16-C17-C18-C19
18	A	852	LHG	C28-C29-C30-C31
18	Y	850	LHG	C23-C24-C25-C26
17	G	847	BCR	C7-C8-C9-C10
17	H	846	BCR	C21-C22-C23-C24
17	R	101	BCR	C17-C18-C19-C20
17	T	102	BCR	C21-C22-C23-C24
17	Z	844	BCR	C11-C12-C13-C14
14	Y	814	CLA	C4C-C3C-CAC-CBC
18	G	850	LHG	C35-C36-C37-C38
14	G	840	CLA	C3-C5-C6-C7
14	H	801	CLA	C3-C5-C6-C7
14	G	832	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	Y	826	CLA	C10-C11-C12-C13
19	Z	849	LMG	C18-C19-C20-C21
14	G	828	CLA	O1A-CGA-O2A-C1
14	A	813	CLA	CBA-CGA-O2A-C1
14	H	818	CLA	CBA-CGA-O2A-C1
19	H	848	LMG	C10-C11-C12-C13
14	A	831	CLA	C5-C6-C7-C8
18	H	849	LHG	C13-C14-C15-C16
14	A	826	CLA	C16-C17-C18-C20
14	B	824	CLA	C16-C17-C18-C19
14	Y	813	CLA	C8-C10-C11-C12
18	Y	850	LHG	C25-C26-C27-C28
19	B	848	LMG	C18-C19-C20-C21
19	Z	849	LMG	C12-C13-C14-C15
14	A	808	CLA	CBA-CGA-O2A-C1
14	G	838	CLA	CBA-CGA-O2A-C1
14	H	802	CLA	CBA-CGA-O2A-C1
14	H	808	CLA	CBA-CGA-O2A-C1
14	G	829	CLA	C5-C6-C7-C8
14	Z	830	CLA	C8-C10-C11-C12
14	G	809	CLA	C4-C3-C5-C6
14	Z	829	CLA	C4-C3-C5-C6
14	H	837	CLA	C2-C3-C5-C6
14	Y	841	CLA	C13-C15-C16-C17
15	Y	842	PQN	C20-C21-C22-C23
18	Y	850	LHG	C12-C13-C14-C15
14	H	824	CLA	O1D-CGD-O2D-CED
14	Z	811	CLA	C16-C17-C18-C19
14	B	817	CLA	C8-C10-C11-C12
14	Z	828	CLA	C13-C15-C16-C17
14	Y	827	CLA	O1D-CGD-O2D-CED
14	Y	809	CLA	C2A-CAA-CBA-CGA
14	G	811	CLA	CBA-CGA-O2A-C1
14	Y	827	CLA	CBA-CGA-O2A-C1
14	Z	840	CLA	CBA-CGA-O2A-C1
14	A	821	CLA	C3A-C2A-CAA-CBA
14	A	835	CLA	C3A-C2A-CAA-CBA
14	B	810	CLA	C3A-C2A-CAA-CBA
14	H	824	CLA	C3A-C2A-CAA-CBA
14	H	825	CLA	C3A-C2A-CAA-CBA
14	J	102	CLA	C3A-C2A-CAA-CBA
14	Y	811	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	Y	812	CLA	C3A-C2A-CAA-CBA
14	Y	833	CLA	C3A-C2A-CAA-CBA
14	Y	838	CLA	C3A-C2A-CAA-CBA
14	Z	806	CLA	C3A-C2A-CAA-CBA
14	Z	825	CLA	C3A-C2A-CAA-CBA
14	f	102	CLA	C3A-C2A-CAA-CBA
17	A	849	BCR	C19-C20-C21-C22
17	S	1105	BCR	C15-C16-C17-C18
17	Y	849	BCR	C15-C16-C17-C18
14	H	816	CLA	C3-C5-C6-C7
14	H	802	CLA	C8-C10-C11-C12
14	L	205	CLA	C8-C10-C11-C12
14	Y	811	CLA	C10-C11-C12-C13
18	Y	850	LHG	C27-C28-C29-C30
14	A	807	CLA	C16-C17-C18-C20
14	G	822	CLA	C16-C17-C18-C19
14	H	816	CLA	C6-C7-C8-C10
13	A	801	CL0	CBA-CGA-O2A-C1
14	B	805	CLA	CBA-CGA-O2A-C1
14	G	823	CLA	CBA-CGA-O2A-C1
18	A	852	LHG	C4-C5-C6-O8
18	Y	850	LHG	C4-C5-C6-O8
18	A	852	LHG	C23-C24-C25-C26
14	G	832	CLA	O1A-CGA-O2A-C1
14	B	822	CLA	O1D-CGD-O2D-CED
14	G	803	CLA	C15-C16-C17-C18
14	G	840	CLA	C5-C6-C7-C8
14	Z	838	CLA	O1A-CGA-O2A-C1
14	B	832	CLA	C4-C3-C5-C6
14	G	818	CLA	C4-C3-C5-C6
14	G	824	CLA	C4-C3-C5-C6
14	B	832	CLA	C2-C3-C5-C6
14	Y	825	CLA	O1D-CGD-O2D-CED
14	Z	818	CLA	C15-C16-C17-C18
14	B	802	CLA	C2C-C3C-CAC-CBC
14	G	828	CLA	C3-C5-C6-C7
14	Z	820	CLA	C3-C5-C6-C7
14	B	810	CLA	C2A-CAA-CBA-CGA
14	G	808	CLA	C2A-CAA-CBA-CGA
14	H	817	CLA	C2A-CAA-CBA-CGA
14	Y	838	CLA	C2A-CAA-CBA-CGA
18	A	853	LHG	O1-C1-C2-O2

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Mol	Chain	Res	Type	Atoms
14	U	1002	CLA	C10-C11-C12-C13
18	G	850	LHG	C13-C14-C15-C16
18	H	849	LHG	O6-C4-C5-O7
14	A	816	CLA	CBA-CGA-O2A-C1
14	Y	805	CLA	CBA-CGA-O2A-C1
14	Z	807	CLA	CBA-CGA-O2A-C1
14	H	851	CLA	C4C-C3C-CAC-CBC
14	A	822	CLA	O1A-CGA-O2A-C1
14	A	806	CLA	C16-C17-C18-C20
14	Y	802	CLA	C16-C17-C18-C19
15	A	844	PQN	C26-C27-C28-C30
18	Y	850	LHG	O8-C23-C24-C25
14	A	828	CLA	C13-C15-C16-C17
14	A	830	CLA	C5-C6-C7-C8
14	B	805	CLA	C15-C16-C17-C18
14	Z	840	CLA	O1A-CGA-O2A-C1
14	Y	817	CLA	C2C-C3C-CAC-CBC
18	G	850	LHG	C25-C26-C27-C28
18	A	852	LHG	O7-C5-C6-O8
18	Y	850	LHG	O7-C5-C6-O8
14	Y	825	CLA	C10-C11-C12-C13
14	A	815	CLA	C4C-C3C-CAC-CBC
19	H	848	LMG	C18-C19-C20-C21
17	H	844	BCR	C9-C10-C11-C12
17	i	101	BCR	C15-C16-C17-C18
14	G	819	CLA	C16-C17-C18-C19
14	G	840	CLA	C16-C17-C18-C20
14	H	827	CLA	C16-C17-C18-C20
18	A	853	LHG	C29-C30-C31-C32
19	Z	849	LMG	C13-C14-C15-C16
14	H	836	CLA	C2-C1-O2A-CGA
14	H	837	CLA	C2-C1-O2A-CGA
14	Y	809	CLA	C2-C1-O2A-CGA
14	Z	805	CLA	C2-C1-O2A-CGA
14	Z	837	CLA	C2-C1-O2A-CGA
14	G	824	CLA	C2-C3-C5-C6
14	H	804	CLA	C6-C7-C8-C9
14	H	818	CLA	O1A-CGA-O2A-C1
14	A	809	CLA	C5-C6-C7-C8
14	A	822	CLA	C11-C12-C13-C14
14	A	831	CLA	C6-C7-C8-C9
14	A	831	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	A	837	CLA	C14-C13-C15-C16
14	A	839	CLA	C11-C10-C8-C9
14	A	841	CLA	C11-C12-C13-C14
14	B	807	CLA	C11-C12-C13-C14
14	G	803	CLA	C11-C12-C13-C14
14	G	820	CLA	C11-C10-C8-C9
14	G	828	CLA	C14-C13-C15-C16
14	H	808	CLA	C11-C10-C8-C9
14	L	204	CLA	C14-C13-C15-C16
14	L	206	CLA	C6-C7-C8-C9
14	Y	829	CLA	C14-C13-C15-C16
14	Y	832	CLA	C11-C10-C8-C9
14	Y	838	CLA	C11-C10-C8-C9
14	Z	804	CLA	C11-C10-C8-C9
15	G	843	PQN	C21-C22-C23-C24
18	Y	850	LHG	C10-C11-C12-C13
14	B	831	CLA	C8-C10-C11-C12
14	H	806	CLA	C5-C6-C7-C8
14	H	806	CLA	C15-C16-C17-C18
14	H	813	CLA	C13-C15-C16-C17
14	H	826	CLA	C15-C16-C17-C18
14	S	1101	CLA	C10-C11-C12-C13
14	Y	807	CLA	C4-C3-C5-C6
18	B	849	LHG	C2-C3-O3-P
14	Z	837	CLA	C4C-C3C-CAC-CBC
14	A	821	CLA	C2A-CAA-CBA-CGA
14	Y	820	CLA	C2A-CAA-CBA-CGA
14	Z	821	CLA	C2A-CAA-CBA-CGA
13	Y	801	CL0	C16-C17-C18-C19
14	A	825	CLA	C11-C12-C13-C15
14	A	854	CLA	C16-C17-C18-C19
14	H	810	CLA	C16-C17-C18-C19
14	H	832	CLA	C6-C7-C8-C9
14	Y	821	CLA	C16-C17-C18-C19
14	Y	825	CLA	C16-C17-C18-C20
17	A	846	BCR	C23-C24-C25-C30
17	B	845	BCR	C23-C24-C25-C26
17	G	845	BCR	C23-C24-C25-C30
17	G	848	BCR	C5-C6-C7-C8
17	G	848	BCR	C23-C24-C25-C26
17	H	843	BCR	C1-C6-C7-C8
17	H	844	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	H	846	BCR	C23-C24-C25-C26
17	M	101	BCR	C5-C6-C7-C8
17	Q	201	BCR	C1-C6-C7-C8
17	R	102	BCR	C5-C6-C7-C8
17	R	102	BCR	C23-C24-C25-C26
17	U	1008	BCR	C5-C6-C7-C8
14	Z	803	CLA	C15-C16-C17-C18
14	A	828	CLA	C2C-C3C-CAC-CBC
17	G	849	BCR	C11-C12-C13-C35
17	H	845	BCR	C36-C18-C19-C20
17	S	1105	BCR	C36-C18-C19-C20
17	B	845	BCR	C17-C18-C19-C20
17	F	201	BCR	C21-C22-C23-C24
17	G	849	BCR	C11-C12-C13-C14
17	M	101	BCR	C17-C18-C19-C20
17	U	1008	BCR	C11-C12-C13-C14
17	Y	853	BCR	C17-C18-C19-C20
14	G	803	CLA	C13-C15-C16-C17
14	G	817	CLA	C5-C6-C7-C8
14	G	824	CLA	C8-C10-C11-C12
14	Y	829	CLA	C10-C11-C12-C13
17	H	844	BCR	C14-C15-C16-C17
13	A	801	CL0	C16-C17-C18-C20
14	B	812	CLA	C16-C17-C18-C20
14	Z	806	CLA	C16-C17-C18-C20
14	Z	808	CLA	C16-C17-C18-C20
14	Z	828	CLA	C16-C17-C18-C20
14	Z	830	CLA	C16-C17-C18-C19
14	H	819	CLA	C3-C5-C6-C7
14	h	205	CLA	O1D-CGD-O2D-CED
14	A	839	CLA	C13-C15-C16-C17
14	Z	803	CLA	C13-C15-C16-C17
18	A	852	LHG	O6-C4-C5-C6
18	A	853	LHG	O6-C4-C5-C6
18	G	851	LHG	O6-C4-C5-C6
18	Y	850	LHG	O6-C4-C5-C6
14	G	827	CLA	C4C-C3C-CAC-CBC
14	A	805	CLA	C11-C10-C8-C7
14	A	806	CLA	C6-C7-C8-C10
14	A	806	CLA	C11-C10-C8-C7
14	A	814	CLA	C6-C7-C8-C10
14	A	819	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	A	821	CLA	C11-C10-C8-C7
14	A	826	CLA	C11-C10-C8-C7
14	A	831	CLA	C11-C12-C13-C15
14	A	833	CLA	C6-C7-C8-C10
14	B	801	CLA	C11-C10-C8-C7
14	B	801	CLA	C11-C12-C13-C15
14	B	804	CLA	C11-C10-C8-C7
14	B	812	CLA	C11-C10-C8-C7
14	B	813	CLA	C12-C13-C15-C16
14	B	837	CLA	C11-C12-C13-C15
14	G	809	CLA	C6-C7-C8-C10
14	G	809	CLA	C11-C12-C13-C15
14	G	811	CLA	C6-C7-C8-C10
14	G	824	CLA	C11-C10-C8-C7
14	G	825	CLA	C11-C10-C8-C7
14	G	829	CLA	C12-C13-C15-C16
14	G	832	CLA	C11-C10-C8-C7
14	G	837	CLA	C12-C13-C15-C16
14	G	840	CLA	C11-C12-C13-C15
14	H	803	CLA	C11-C12-C13-C15
14	H	813	CLA	C11-C10-C8-C7
14	H	814	CLA	C12-C13-C15-C16
14	H	817	CLA	C11-C12-C13-C15
14	H	825	CLA	C6-C7-C8-C10
14	H	825	CLA	C11-C10-C8-C7
14	H	831	CLA	C11-C12-C13-C15
14	L	201	CLA	C11-C12-C13-C15
14	L	202	CLA	C12-C13-C15-C16
14	L	205	CLA	C11-C12-C13-C15
14	U	1002	CLA	C11-C12-C13-C15
14	U	1003	CLA	C11-C12-C13-C15
14	U	1006	CLA	C12-C13-C15-C16
14	Y	803	CLA	C6-C7-C8-C10
14	Y	809	CLA	C6-C7-C8-C10
14	Y	809	CLA	C11-C12-C13-C15
14	Y	811	CLA	C11-C12-C13-C15
14	Y	828	CLA	C12-C13-C15-C16
14	Y	829	CLA	C12-C13-C15-C16
14	Y	841	CLA	C11-C12-C13-C15
14	Y	841	CLA	C12-C13-C15-C16
14	Z	809	CLA	C12-C13-C15-C16
14	Z	819	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	Z	820	CLA	C6-C7-C8-C10
14	Z	838	CLA	C12-C13-C15-C16
15	Y	842	PQN	C17-C18-C20-C21
14	Y	805	CLA	C3-C5-C6-C7
14	G	824	CLA	C5-C6-C7-C8
17	A	848	BCR	C9-C10-C11-C12
17	B	844	BCR	C15-C16-C17-C18
17	G	845	BCR	C9-C10-C11-C12
17	H	842	BCR	C15-C16-C17-C18
17	H	842	BCR	C19-C20-C21-C22
17	H	846	BCR	C9-C10-C11-C12
17	H	850	BCR	C15-C16-C17-C18
18	Y	850	LHG	C19-C20-C21-C22
14	A	842	CLA	C5-C6-C7-C8
14	H	819	CLA	C10-C11-C12-C13
14	Z	824	CLA	C8-C10-C11-C12
14	G	838	CLA	O1A-CGA-O2A-C1
14	Y	827	CLA	O1A-CGA-O2A-C1
14	G	821	CLA	C2A-CAA-CBA-CGA
14	Y	824	CLA	C2C-C3C-CAC-CBC
18	A	852	LHG	C16-C17-C18-C19
14	A	818	CLA	C10-C11-C12-C13
14	H	803	CLA	C13-C15-C16-C17
17	A	847	BCR	C16-C17-C18-C36
17	G	847	BCR	C11-C10-C9-C34
17	R	102	BCR	C16-C17-C18-C36
17	U	1008	BCR	C16-C17-C18-C36
17	Y	845	BCR	C11-C10-C9-C34
14	L	201	CLA	C3-C5-C6-C7
14	Y	826	CLA	C3-C5-C6-C7
14	Y	805	CLA	O1A-CGA-O2A-C1
14	B	823	CLA	C6-C7-C8-C10
14	H	816	CLA	C6-C7-C8-C9
14	U	1007	CLA	C16-C17-C18-C20
14	Z	829	CLA	C16-C17-C18-C20
14	G	811	CLA	C10-C11-C12-C13
14	Y	827	CLA	C5-C6-C7-C8
14	Z	806	CLA	C10-C11-C12-C13
14	A	825	CLA	CBA-CGA-O2A-C1
18	A	853	LHG	C24-C23-O8-C6
13	Y	801	CL0	CAA-CBA-CGA-O2A
14	Y	831	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	818	CLA	C15-C16-C17-C18
14	Z	832	CLA	CBD-CGD-O2D-CED
13	G	801	CL0	CAD-CBD-CGD-O2D
14	A	808	CLA	CAD-CBD-CGD-O2D
14	A	810	CLA	CAD-CBD-CGD-O2D
14	A	821	CLA	CAD-CBD-CGD-O2D
14	A	826	CLA	CAD-CBD-CGD-O2D
14	A	836	CLA	CAD-CBD-CGD-O2D
14	B	809	CLA	CAD-CBD-CGD-O2D
14	B	825	CLA	CAD-CBD-CGD-O2D
14	B	829	CLA	CAD-CBD-CGD-O2D
14	B	839	CLA	CAD-CBD-CGD-O2D
14	G	804	CLA	CAD-CBD-CGD-O2D
14	G	835	CLA	CAD-CBD-CGD-O2D
14	G	836	CLA	CAD-CBD-CGD-O2D
14	H	810	CLA	CAD-CBD-CGD-O2D
14	H	821	CLA	CAD-CBD-CGD-O2D
14	Y	819	CLA	CAD-CBD-CGD-O2D
14	Z	802	CLA	CAD-CBD-CGD-O2D
14	Z	834	CLA	CAD-CBD-CGD-O2D
14	h	206	CLA	CAD-CBD-CGD-O2D
14	A	807	CLA	C8-C10-C11-C12
14	A	839	CLA	C10-C11-C12-C13
14	H	809	CLA	C13-C15-C16-C17
14	h	206	CLA	C8-C10-C11-C12
14	H	810	CLA	CBA-CGA-O2A-C1
14	B	806	CLA	C4-C3-C5-C6
14	G	806	CLA	C4-C3-C5-C6
14	H	825	CLA	C4-C3-C5-C6
14	H	831	CLA	C4-C3-C5-C6
14	Y	814	CLA	C4-C3-C5-C6
14	Y	822	CLA	C4-C3-C5-C6
14	B	818	CLA	C11-C12-C13-C14
14	B	826	CLA	C16-C17-C18-C20
14	Z	803	CLA	C16-C17-C18-C19
14	G	806	CLA	C2-C3-C5-C6
18	Y	851	LHG	C4-C5-C6-O8
14	A	813	CLA	CBD-CGD-O2D-CED
14	A	831	CLA	O1A-CGA-O2A-C1
14	Z	814	CLA	C5-C6-C7-C8
14	Z	828	CLA	C5-C6-C7-C8
14	Z	830	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	G	837	CLA	C2A-CAA-CBA-CGA
14	Z	812	CLA	C2A-CAA-CBA-CGA
14	h	206	CLA	C2A-CAA-CBA-CGA
14	H	807	CLA	C8-C10-C11-C12
14	h	201	CLA	C8-C10-C11-C12
14	A	805	CLA	CHA-CBD-CGD-O1D
14	A	814	CLA	CHA-CBD-CGD-O1D
14	A	814	CLA	CHA-CBD-CGD-O2D
14	A	816	CLA	CHA-CBD-CGD-O1D
14	A	831	CLA	CHA-CBD-CGD-O1D
14	A	831	CLA	CHA-CBD-CGD-O2D
14	A	834	CLA	CHA-CBD-CGD-O1D
14	A	837	CLA	CHA-CBD-CGD-O1D
14	A	837	CLA	CHA-CBD-CGD-O2D
14	A	840	CLA	CHA-CBD-CGD-O2D
14	B	803	CLA	CHA-CBD-CGD-O1D
14	B	803	CLA	CHA-CBD-CGD-O2D
14	B	806	CLA	CHA-CBD-CGD-O1D
14	B	806	CLA	CHA-CBD-CGD-O2D
14	B	828	CLA	CHA-CBD-CGD-O2D
14	B	832	CLA	CHA-CBD-CGD-O1D
14	B	832	CLA	CHA-CBD-CGD-O2D
14	B	837	CLA	CHA-CBD-CGD-O1D
14	G	810	CLA	CHA-CBD-CGD-O1D
14	G	810	CLA	CHA-CBD-CGD-O2D
14	G	814	CLA	CHA-CBD-CGD-O2D
14	G	815	CLA	CHA-CBD-CGD-O2D
14	G	820	CLA	CHA-CBD-CGD-O1D
14	G	820	CLA	CHA-CBD-CGD-O2D
14	G	823	CLA	CHA-CBD-CGD-O2D
14	G	830	CLA	CHA-CBD-CGD-O1D
14	G	852	CLA	CHA-CBD-CGD-O1D
14	G	852	CLA	CHA-CBD-CGD-O2D
14	H	803	CLA	CHA-CBD-CGD-O2D
14	H	826	CLA	CHA-CBD-CGD-O1D
14	H	829	CLA	CHA-CBD-CGD-O1D
14	J	101	CLA	CHA-CBD-CGD-O1D
14	J	101	CLA	CHA-CBD-CGD-O2D
14	K	102	CLA	CHA-CBD-CGD-O1D
14	K	102	CLA	CHA-CBD-CGD-O2D
14	T	103	CLA	CHA-CBD-CGD-O1D
14	Y	824	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	Y	830	CLA	CHA-CBD-CGD-O1D
14	Y	830	CLA	CHA-CBD-CGD-O2D
14	Y	833	CLA	CHA-CBD-CGD-O2D
14	Y	834	CLA	CHA-CBD-CGD-O2D
14	Z	821	CLA	CHA-CBD-CGD-O1D
14	Z	821	CLA	CHA-CBD-CGD-O2D
14	Z	825	CLA	CHA-CBD-CGD-O1D
14	Z	825	CLA	CHA-CBD-CGD-O2D
14	Z	827	CLA	CHA-CBD-CGD-O1D
14	Z	827	CLA	CHA-CBD-CGD-O2D
14	f	101	CLA	CHA-CBD-CGD-O1D
14	f	101	CLA	CHA-CBD-CGD-O2D
14	B	819	CLA	C2C-C3C-CAC-CBC
13	A	801	CL0	C3-C5-C6-C7
14	d	201	CLA	C3-C5-C6-C7
13	A	801	CL0	O1A-CGA-O2A-C1
14	A	813	CLA	O1A-CGA-O2A-C1
14	G	823	CLA	O1A-CGA-O2A-C1
14	H	802	CLA	O1A-CGA-O2A-C1
14	H	808	CLA	O1A-CGA-O2A-C1
14	H	832	CLA	O1A-CGA-O2A-C1
14	Z	807	CLA	O1A-CGA-O2A-C1
17	A	847	BCR	C11-C10-C9-C8
17	G	849	BCR	C11-C10-C9-C8
17	H	846	BCR	C11-C10-C9-C8
17	Y	845	BCR	C11-C10-C9-C8
14	G	822	CLA	C8-C10-C11-C12
14	Z	802	CLA	C8-C10-C11-C12
14	B	805	CLA	O1A-CGA-O2A-C1
18	H	849	LHG	O1-C1-C2-O2
14	Y	805	CLA	C4-C3-C5-C6
14	Z	829	CLA	C2-C3-C5-C6
14	A	820	CLA	C11-C12-C13-C14
14	A	821	CLA	C11-C10-C8-C9
14	A	826	CLA	C11-C10-C8-C9
14	B	839	CLA	C11-C12-C13-C14
14	G	832	CLA	C11-C10-C8-C9
14	G	840	CLA	C11-C12-C13-C14
14	H	836	CLA	C11-C10-C8-C9
14	U	1003	CLA	C11-C12-C13-C14
14	Y	836	CLA	C11-C12-C13-C14
14	Y	840	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	Z	804	CLA	C14-C13-C15-C16
14	Z	819	CLA	C6-C7-C8-C9
14	h	206	CLA	C11-C10-C8-C9
14	A	816	CLA	O1A-CGA-O2A-C1
14	H	817	CLA	C10-C11-C12-C13
14	H	830	CLA	C2C-C3C-CAC-CBC
14	A	808	CLA	O1A-CGA-O2A-C1
17	e	101	BCR	C37-C22-C23-C24
17	J	103	BCR	C7-C8-C9-C10
14	A	827	CLA	C1A-C2A-CAA-CBA
14	G	809	CLA	C1A-C2A-CAA-CBA
14	H	816	CLA	C1A-C2A-CAA-CBA
14	H	825	CLA	C1A-C2A-CAA-CBA
14	J	101	CLA	C1A-C2A-CAA-CBA
14	L	205	CLA	C1A-C2A-CAA-CBA
14	Y	837	CLA	C1A-C2A-CAA-CBA
14	Z	816	CLA	C1A-C2A-CAA-CBA
14	Z	817	CLA	C1A-C2A-CAA-CBA
14	Z	825	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C11-C12-C13-C14
14	H	803	CLA	C16-C17-C18-C20
14	Y	802	CLA	C10-C11-C12-C13
14	Z	829	CLA	C8-C10-C11-C12
14	h	205	CLA	C13-C15-C16-C17
18	A	852	LHG	C25-C26-C27-C28
18	G	851	LHG	C29-C30-C31-C32
14	A	842	CLA	C2-C1-O2A-CGA
14	B	804	CLA	C2-C1-O2A-CGA
14	B	825	CLA	C2-C1-O2A-CGA
14	G	816	CLA	C2-C1-O2A-CGA
14	G	839	CLA	C2-C1-O2A-CGA
14	L	202	CLA	C2-C1-O2A-CGA
14	Y	824	CLA	C2-C1-O2A-CGA
14	B	810	CLA	CBA-CGA-O2A-C1
14	Y	824	CLA	C4C-C3C-CAC-CBC
17	H	843	BCR	C15-C16-C17-C18
17	R	102	BCR	C15-C16-C17-C18
17	S	1104	BCR	C15-C16-C17-C18
14	A	825	CLA	O1A-CGA-O2A-C1
18	G	851	LHG	C3-O3-P-O6
14	L	201	CLA	C4C-C3C-CAC-CBC
14	A	804	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	Z	826	CLA	C3-C5-C6-C7
14	Y	830	CLA	C2-C3-C5-C6
14	G	816	CLA	C4C-C3C-CAC-CBC
18	G	850	LHG	C4-O6-P-O5
18	G	850	LHG	C30-C31-C32-C33
14	U	1007	CLA	C15-C16-C17-C18
14	Y	832	CLA	C8-C10-C11-C12
14	Z	809	CLA	C10-C11-C12-C13
14	Y	828	CLA	CBA-CGA-O2A-C1
14	Z	802	CLA	CBA-CGA-O2A-C1
18	j	101	LHG	O6-C4-C5-C6
14	Z	804	CLA	C3-C5-C6-C7
14	Y	818	CLA	C15-C16-C17-C18
14	Y	817	CLA	C4C-C3C-CAC-CBC
18	A	852	LHG	C11-C10-C9-C8
14	A	823	CLA	C16-C17-C18-C20
14	B	801	CLA	C16-C17-C18-C19
14	Y	802	CLA	C16-C17-C18-C20
14	A	806	CLA	CAD-CBD-CGD-O1D
14	A	814	CLA	CAD-CBD-CGD-O1D
14	A	837	CLA	CAD-CBD-CGD-O1D
14	B	836	CLA	CAD-CBD-CGD-O1D
14	H	826	CLA	CAD-CBD-CGD-O1D
14	H	836	CLA	CAD-CBD-CGD-O1D
14	H	851	CLA	CAD-CBD-CGD-O1D
14	L	204	CLA	CAD-CBD-CGD-O1D
14	Z	821	CLA	CAD-CBD-CGD-O1D
14	Z	827	CLA	CAD-CBD-CGD-O1D
14	G	833	CLA	C10-C11-C12-C13
14	Z	840	CLA	C15-C16-C17-C18
14	H	810	CLA	O1A-CGA-O2A-C1
14	A	823	CLA	C3-C5-C6-C7
14	H	832	CLA	C3-C5-C6-C7
14	Y	804	CLA	C3-C5-C6-C7
14	A	854	CLA	CBA-CGA-O2A-C1
14	H	803	CLA	CBA-CGA-O2A-C1
18	A	853	LHG	O10-C23-O8-C6
18	j	101	LHG	C1-C2-C3-O3
14	A	827	CLA	C8-C10-C11-C12
14	Z	824	CLA	C11-C12-C13-C14
14	Z	825	CLA	C4-C3-C5-C6
14	A	804	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	A	809	CLA	C11-C10-C8-C7
14	A	837	CLA	C6-C7-C8-C10
14	A	839	CLA	C11-C12-C13-C15
14	A	841	CLA	C12-C13-C15-C16
14	B	839	CLA	C6-C7-C8-C10
14	G	811	CLA	C11-C10-C8-C7
14	G	829	CLA	C3A-C2A-CAA-CBA
14	G	832	CLA	C6-C7-C8-C10
14	G	837	CLA	C6-C7-C8-C10
14	G	841	CLA	C12-C13-C15-C16
14	H	801	CLA	C12-C13-C15-C16
14	H	802	CLA	C6-C7-C8-C10
14	H	802	CLA	C11-C12-C13-C15
14	H	819	CLA	C6-C7-C8-C10
14	H	826	CLA	C12-C13-C15-C16
14	L	205	CLA	C11-C10-C8-C7
14	U	1003	CLA	C12-C13-C15-C16
14	Y	808	CLA	C12-C13-C15-C16
14	Y	819	CLA	C6-C7-C8-C10
14	Y	820	CLA	C6-C7-C8-C10
14	Y	824	CLA	C6-C7-C8-C10
14	Z	801	CLA	C11-C12-C13-C15
14	Z	810	CLA	C11-C10-C8-C7
14	Z	814	CLA	C11-C10-C8-C7
14	Z	814	CLA	C12-C13-C15-C16
14	Z	828	CLA	C11-C12-C13-C15
14	h	206	CLA	C11-C10-C8-C7
15	G	843	PQN	C22-C23-C25-C26
15	Z	842	PQN	C21-C22-C23-C25
18	A	852	LHG	O6-C4-C5-O7
18	B	849	LHG	O6-C4-C5-O7
18	G	850	LHG	O6-C4-C5-O7
18	G	851	LHG	O6-C4-C5-O7
18	Y	850	LHG	O6-C4-C5-O7
18	j	101	LHG	O6-C4-C5-O7
14	Y	832	CLA	O1A-CGA-O2A-C1
14	H	812	CLA	C4C-C3C-CAC-CBC
14	A	842	CLA	C8-C10-C11-C12
14	B	837	CLA	C5-C6-C7-C8
14	G	830	CLA	C15-C16-C17-C18
14	A	854	CLA	O1A-CGA-O2A-C1
14	Z	819	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	G	810	CLA	C2A-CAA-CBA-CGA
14	U	1006	CLA	C2A-CAA-CBA-CGA
14	A	806	CLA	C16-C17-C18-C19
14	B	813	CLA	C16-C17-C18-C19
14	B	815	CLA	C6-C7-C8-C9
14	H	825	CLA	C16-C17-C18-C19
15	A	844	PQN	C26-C27-C28-C29
14	Y	809	CLA	C2C-C3C-CAC-CBC
19	B	848	LMG	C42-C43-C44-C45
14	U	1003	CLA	C3-C5-C6-C7
18	B	849	LHG	C7-C8-C9-C10
19	Z	849	LMG	C28-C29-C30-C31
18	B	849	LHG	C24-C25-C26-C27
18	G	850	LHG	C29-C30-C31-C32
17	B	844	BCR	C14-C15-C16-C17
14	B	827	CLA	C8-C10-C11-C12
14	H	810	CLA	C15-C16-C17-C18
14	U	1003	CLA	C10-C11-C12-C13
14	G	834	CLA	C3-C5-C6-C7
14	S	1103	CLA	C3-C5-C6-C7
14	A	805	CLA	C11-C12-C13-C14
14	B	810	CLA	O1A-CGA-O2A-C1
14	G	827	CLA	C8-C10-C11-C12
14	A	807	CLA	C4-C3-C5-C6
14	A	810	CLA	C4-C3-C5-C6
14	A	828	CLA	C4-C3-C5-C6
14	Y	821	CLA	C4-C3-C5-C6
18	A	852	LHG	O8-C23-C24-C25
18	B	849	LHG	C28-C29-C30-C31
14	Y	809	CLA	C10-C11-C12-C13
14	A	839	CLA	C11-C12-C13-C14
14	B	804	CLA	C11-C10-C8-C9
14	B	808	CLA	C6-C7-C8-C9
14	B	812	CLA	C11-C10-C8-C9
14	B	813	CLA	C14-C13-C15-C16
14	B	822	CLA	C11-C10-C8-C9
14	B	824	CLA	C11-C10-C8-C9
14	G	808	CLA	C11-C12-C13-C14
14	G	841	CLA	C14-C13-C15-C16
14	H	825	CLA	C14-C13-C15-C16
14	L	205	CLA	C11-C10-C8-C9
14	S	1101	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Y	821	CLA	C6-C7-C8-C9
14	Y	824	CLA	C6-C7-C8-C9
14	Y	836	CLA	C6-C7-C8-C9
14	Z	801	CLA	C14-C13-C15-C16
14	Z	838	CLA	C14-C13-C15-C16
14	B	801	CLA	C16-C17-C18-C20
14	H	810	CLA	C16-C17-C18-C20
14	Y	821	CLA	C16-C17-C18-C20
14	H	803	CLA	O1A-CGA-O2A-C1
14	Y	828	CLA	O1A-CGA-O2A-C1
14	Z	802	CLA	O1A-CGA-O2A-C1
14	Y	833	CLA	C2A-CAA-CBA-CGA
14	U	1003	CLA	C2C-C3C-CAC-CBC
17	A	846	BCR	C18-C19-C20-C21
17	B	842	BCR	C10-C11-C12-C13
17	B	843	BCR	C18-C19-C20-C21
17	B	846	BCR	C10-C11-C12-C13
17	H	843	BCR	C10-C11-C12-C13
17	I	101	BCR	C18-C19-C20-C21
17	R	101	BCR	C18-C19-C20-C21
17	Y	853	BCR	C10-C11-C12-C13
14	Y	822	CLA	C5-C6-C7-C8
14	Z	802	CLA	C16-C17-C18-C19
17	Y	844	BCR	C17-C18-C19-C20
17	h	207	BCR	C7-C8-C9-C10
17	i	101	BCR	C21-C22-C23-C24
14	Z	812	CLA	C5-C6-C7-C8
14	B	828	CLA	CBD-CGD-O2D-CED
14	A	809	CLA	C15-C16-C17-C18
14	A	814	CLA	C10-C11-C12-C13
14	Y	818	CLA	C8-C10-C11-C12
17	U	1008	BCR	C20-C21-C22-C37
14	G	827	CLA	C4-C3-C5-C6
14	G	811	CLA	O1A-CGA-O2A-C1
14	Y	814	CLA	C2-C3-C5-C6
14	Y	809	CLA	C15-C16-C17-C18
14	Z	818	CLA	C16-C17-C18-C20
14	A	807	CLA	C4C-C3C-CAC-CBC
18	j	101	LHG	C11-C10-C9-C8
14	A	807	CLA	C3-C5-C6-C7
14	B	804	CLA	C3-C5-C6-C7
14	Y	828	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	B	808	CLA	C8-C10-C11-C12
14	H	836	CLA	C10-C11-C12-C13
14	H	834	CLA	C2A-CAA-CBA-CGA
14	Y	836	CLA	C2A-CAA-CBA-CGA
14	A	831	CLA	C2-C1-O2A-CGA
14	A	832	CLA	C2-C1-O2A-CGA
14	A	836	CLA	C2-C1-O2A-CGA
14	A	839	CLA	C2-C1-O2A-CGA
14	B	827	CLA	C2-C1-O2A-CGA
14	H	822	CLA	C2-C1-O2A-CGA
14	Y	802	CLA	C2-C1-O2A-CGA
14	Y	830	CLA	C2-C1-O2A-CGA
14	Y	835	CLA	C2-C1-O2A-CGA
14	Z	823	CLA	C2-C1-O2A-CGA
14	Z	838	CLA	C2-C1-O2A-CGA
14	Z	811	CLA	C16-C17-C18-C20
17	B	850	BCR	C14-C15-C16-C17
17	i	101	BCR	C14-C15-C16-C17
14	U	1004	CLA	CAA-CBA-CGA-O2A
17	R	102	BCR	C19-C20-C21-C22
18	A	853	LHG	O6-C4-C5-O7
14	Y	806	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	C11-C12-C13-C15
14	Z	809	CLA	C16-C17-C18-C19
14	B	837	CLA	C4-C3-C5-C6
14	H	836	CLA	C4-C3-C5-C6
14	Y	811	CLA	C4-C3-C5-C6
17	Z	848	BCR	C1-C6-C7-C8
14	B	806	CLA	C2-C3-C5-C6
14	G	818	CLA	C2-C3-C5-C6
14	H	831	CLA	C2-C3-C5-C6
14	Y	822	CLA	C2-C3-C5-C6
18	H	849	LHG	O9-C7-O7-C5
14	Z	829	CLA	C15-C16-C17-C18
14	Y	832	CLA	CBA-CGA-O2A-C1
14	Y	840	CLA	CAA-CBA-CGA-O2A
14	H	816	CLA	C2A-CAA-CBA-CGA
14	Y	837	CLA	C2A-CAA-CBA-CGA
14	W	1701	CLA	O1D-CGD-O2D-CED
17	Z	847	BCR	C11-C10-C9-C8
17	e	101	BCR	C20-C21-C22-C23
14	W	1701	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	B	801	CLA	O1A-CGA-O2A-C1
18	G	850	LHG	O7-C5-C6-O8
18	Y	851	LHG	O7-C5-C6-O8
14	G	813	CLA	C8-C10-C11-C12
14	H	831	CLA	C15-C16-C17-C18
14	A	804	CLA	C4C-C3C-CAC-CBC
18	A	852	LHG	C4-O6-P-O3
18	A	853	LHG	C3-O3-P-O6
18	G	850	LHG	C3-O3-P-O6
18	H	849	LHG	C3-O3-P-O6
18	Y	850	LHG	C3-O3-P-O6
14	S	1101	CLA	C4C-C3C-CAC-CBC
14	A	806	CLA	C10-C11-C12-C13
14	H	836	CLA	C11-C12-C13-C15
18	G	851	LHG	O8-C23-C24-C25
14	Z	810	CLA	C8-C10-C11-C12
14	Y	827	CLA	C4-C3-C5-C6
14	Z	801	CLA	C4-C3-C5-C6
14	A	821	CLA	CBD-CGD-O2D-CED
14	B	813	CLA	C13-C15-C16-C17
14	A	828	CLA	C2-C3-C5-C6
14	B	808	CLA	C6-C7-C8-C10
14	B	828	CLA	C11-C10-C8-C7
14	G	802	CLA	C11-C12-C13-C15
14	G	809	CLA	C2-C3-C5-C6
14	H	809	CLA	C6-C7-C8-C10
14	H	818	CLA	C11-C10-C8-C7
14	Y	811	CLA	C2-C3-C5-C6
14	Y	811	CLA	C11-C10-C8-C7
14	Z	801	CLA	C6-C7-C8-C10
14	Z	806	CLA	C11-C12-C13-C15
15	G	843	PQN	C16-C17-C18-C20
14	A	803	CLA	C11-C10-C8-C9
14	A	805	CLA	C11-C10-C8-C9
14	A	806	CLA	C11-C10-C8-C9
14	A	819	CLA	C6-C7-C8-C9
14	A	837	CLA	C6-C7-C8-C9
14	B	801	CLA	C11-C10-C8-C9
14	B	802	CLA	C11-C10-C8-C9
14	G	809	CLA	C11-C12-C13-C14
14	G	811	CLA	C11-C12-C13-C14
14	L	205	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	U	1003	CLA	C14-C13-C15-C16
14	Y	808	CLA	C11-C10-C8-C9
14	Y	811	CLA	C11-C12-C13-C14
14	Y	841	CLA	C14-C13-C15-C16
14	Z	814	CLA	C11-C12-C13-C14
14	Z	818	CLA	C14-C13-C15-C16
14	Z	829	CLA	C14-C13-C15-C16
15	Y	842	PQN	C19-C18-C20-C21
14	H	836	CLA	C8-C10-C11-C12
17	H	844	BCR	C15-C16-C17-C18
17	H	846	BCR	C19-C20-C21-C22
17	M	101	BCR	C15-C16-C17-C18
14	Z	803	CLA	C16-C17-C18-C20
14	Y	821	CLA	C2C-C3C-CAC-CBC
18	A	852	LHG	C17-C18-C19-C20
14	Y	808	CLA	C13-C15-C16-C17
15	Y	842	PQN	C13-C15-C16-C17
14	A	854	CLA	C5-C6-C7-C8
14	G	822	CLA	C16-C17-C18-C20
14	U	1007	CLA	C16-C17-C18-C19
18	Y	850	LHG	O1-C1-C2-C3
14	G	829	CLA	CAA-CBA-CGA-O2A
14	B	824	CLA	C10-C11-C12-C13
14	B	821	CLA	C3-C5-C6-C7
14	H	836	CLA	C3-C5-C6-C7
14	B	813	CLA	C2C-C3C-CAC-CBC
14	G	818	CLA	C13-C15-C16-C17
14	G	813	CLA	C4-C3-C5-C6
14	L	202	CLA	C2-C3-C5-C6
14	Y	805	CLA	C2-C3-C5-C6
14	G	829	CLA	C16-C17-C18-C19
14	W	1701	CLA	CAA-CBA-CGA-O1A
14	H	831	CLA	O1D-CGD-O2D-CED
14	d	201	CLA	C8-C10-C11-C12
14	B	801	CLA	CBA-CGA-O2A-C1
14	Z	824	CLA	C11-C12-C13-C15
14	A	805	CLA	C8-C10-C11-C12
17	F	201	BCR	C19-C20-C21-C22
17	G	846	BCR	C19-C20-C21-C22
17	G	848	BCR	C15-C16-C17-C18
17	U	1008	BCR	C9-C10-C11-C12
17	Z	845	BCR	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	Y	821	CLA	C4C-C3C-CAC-CBC
14	Z	821	CLA	CAA-CBA-CGA-O2A
17	Y	846	BCR	C18-C19-C20-C21
17	h	207	BCR	C18-C19-C20-C21
14	L	202	CLA	O1A-CGA-O2A-C1
14	U	1003	CLA	C16-C17-C18-C20
14	Z	803	CLA	CAA-CBA-CGA-O2A
14	j	102	CLA	CAA-CBA-CGA-O1A
14	B	809	CLA	C10-C11-C12-C13
14	Y	833	CLA	C2C-C3C-CAC-CBC
14	Z	832	CLA	C2C-C3C-CAC-CBC
14	H	820	CLA	O1D-CGD-O2D-CED
14	Z	821	CLA	CAA-CBA-CGA-O1A
14	H	805	CLA	C2-C1-O2A-CGA
14	A	806	CLA	C15-C16-C17-C18
14	A	818	CLA	C2A-CAA-CBA-CGA
14	G	809	CLA	C2A-CAA-CBA-CGA
14	H	807	CLA	C2A-CAA-CBA-CGA
14	H	818	CLA	C2A-CAA-CBA-CGA
14	f	101	CLA	C2C-C3C-CAC-CBC
14	G	808	CLA	C3-C5-C6-C7
18	A	853	LHG	C26-C27-C28-C29
14	A	827	CLA	C3A-C2A-CAA-CBA
14	A	834	CLA	C3A-C2A-CAA-CBA
14	B	824	CLA	C3A-C2A-CAA-CBA
14	G	828	CLA	C3A-C2A-CAA-CBA
14	G	839	CLA	C3A-C2A-CAA-CBA
14	T	101	CLA	C3A-C2A-CAA-CBA
14	Y	840	CLA	C3A-C2A-CAA-CBA
14	Z	812	CLA	C3A-C2A-CAA-CBA
14	Z	813	CLA	C3A-C2A-CAA-CBA
14	Z	818	CLA	C5-C6-C7-C8
14	B	804	CLA	C16-C17-C18-C19
14	B	812	CLA	C16-C17-C18-C19
14	A	823	CLA	CAA-CBA-CGA-O2A
17	Y	852	BCR	C19-C20-C21-C22
17	f	103	BCR	C19-C20-C21-C22
14	G	810	CLA	CAA-CBA-CGA-O1A
14	Z	802	CLA	C4-C3-C5-C6
19	H	848	LMG	C12-C13-C14-C15
14	Z	804	CLA	C8-C10-C11-C12
14	A	827	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A	842	CLA	C14-C13-C15-C16
14	B	807	CLA	C11-C10-C8-C9
14	B	812	CLA	C11-C12-C13-C14
14	G	827	CLA	C11-C12-C13-C14
14	H	807	CLA	C11-C12-C13-C14
14	H	827	CLA	C11-C10-C8-C9
14	U	1003	CLA	C6-C7-C8-C9
14	Y	804	CLA	C6-C7-C8-C9
14	Y	832	CLA	C11-C12-C13-C14
14	Y	836	CLA	C14-C13-C15-C16
14	Z	801	CLA	C6-C7-C8-C9
14	Z	809	CLA	C11-C12-C13-C14
14	Z	838	CLA	C11-C12-C13-C14
15	H	841	PQN	C21-C22-C23-C24
14	Z	827	CLA	C2C-C3C-CAC-CBC
18	Y	850	LHG	C26-C27-C28-C29
14	X	1701	CLA	CAA-CBA-CGA-O1A
14	Z	822	CLA	CAA-CBA-CGA-O1A
14	G	852	CLA	C10-C11-C12-C13
14	H	828	CLA	C15-C16-C17-C18
17	A	851	BCR	C16-C17-C18-C36
17	F	203	BCR	C35-C13-C14-C15
17	H	844	BCR	C20-C21-C22-C37
17	I	102	BCR	C20-C21-C22-C37
17	L	208	BCR	C11-C10-C9-C34
17	Q	201	BCR	C16-C17-C18-C36
17	Q	203	BCR	C35-C13-C14-C15
17	Z	845	BCR	C20-C21-C22-C37
17	d	203	BCR	C11-C10-C9-C34
17	d	203	BCR	C35-C13-C14-C15
19	B	848	LMG	C4-C5-C6-O5
14	B	823	CLA	C3-C5-C6-C7
14	A	811	CLA	CAA-CBA-CGA-O2A
14	T	101	CLA	CAA-CBA-CGA-O2A
14	A	809	CLA	C2A-CAA-CBA-CGA
14	Z	805	CLA	C2A-CAA-CBA-CGA
14	Y	827	CLA	C10-C11-C12-C13
19	Z	849	LMG	C33-C34-C35-C36
14	B	840	CLA	C10-C11-C12-C13
18	Y	850	LHG	C14-C15-C16-C17
14	H	820	CLA	CAA-CBA-CGA-O1A
14	Y	808	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	G	849	BCR	C21-C22-C23-C24
18	A	852	LHG	C18-C19-C20-C21
19	B	848	LMG	C9-C8-O7-C10
14	G	822	CLA	C4-C3-C5-C6
14	A	806	CLA	C1A-C2A-CAA-CBA
14	B	804	CLA	C1A-C2A-CAA-CBA
14	G	839	CLA	C1A-C2A-CAA-CBA
14	H	803	CLA	C1A-C2A-CAA-CBA
14	H	804	CLA	C1A-C2A-CAA-CBA
14	H	824	CLA	C1A-C2A-CAA-CBA
14	L	201	CLA	C1A-C2A-CAA-CBA
14	S	1102	CLA	C1A-C2A-CAA-CBA
14	T	101	CLA	C1A-C2A-CAA-CBA
14	Y	802	CLA	C1A-C2A-CAA-CBA
14	Y	811	CLA	C1A-C2A-CAA-CBA
14	Z	811	CLA	C1A-C2A-CAA-CBA
14	h	205	CLA	C1A-C2A-CAA-CBA
14	h	206	CLA	C1A-C2A-CAA-CBA
14	B	802	CLA	C11-C10-C8-C7
14	B	808	CLA	C11-C12-C13-C15
14	B	825	CLA	C12-C13-C15-C16
14	G	806	CLA	C11-C12-C13-C15
14	G	806	CLA	C12-C13-C15-C16
14	G	821	CLA	C6-C7-C8-C10
14	G	822	CLA	C6-C7-C8-C10
14	G	840	CLA	C11-C10-C8-C7
14	G	852	CLA	C11-C10-C8-C7
14	H	803	CLA	C12-C13-C15-C16
14	Z	802	CLA	C6-C7-C8-C10
14	Z	811	CLA	C6-C7-C8-C10
14	Z	819	CLA	C11-C10-C8-C7
18	H	849	LHG	C8-C7-O7-C5
14	Y	819	CLA	C13-C15-C16-C17
14	B	838	CLA	CAA-CBA-CGA-O1A
14	T	101	CLA	CAA-CBA-CGA-O1A
17	A	846	BCR	C9-C10-C11-C12
17	R	102	BCR	C9-C10-C11-C12
14	Z	808	CLA	O1A-CGA-O2A-C1
14	A	811	CLA	CAA-CBA-CGA-O1A
14	j	102	CLA	CAA-CBA-CGA-O2A
14	G	819	CLA	C13-C15-C16-C17
14	G	833	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	A	820	CLA	C3-C5-C6-C7
14	A	837	CLA	C2A-CAA-CBA-CGA
14	G	817	CLA	C2A-CAA-CBA-CGA
14	d	201	CLA	C2A-CAA-CBA-CGA
14	Z	819	CLA	C8-C10-C11-C12
14	Y	820	CLA	CAA-CBA-CGA-O2A
14	H	815	CLA	CAA-CBA-CGA-O1A
14	W	1701	CLA	CAA-CBA-CGA-O2A
14	B	804	CLA	CBA-CGA-O2A-C1
14	B	816	CLA	C16-C17-C18-C20
14	B	838	CLA	CAA-CBA-CGA-O2A
14	J	101	CLA	CAA-CBA-CGA-O2A
14	B	809	CLA	C4-C3-C5-C6
14	H	825	CLA	C15-C16-C17-C18
14	Z	828	CLA	C8-C10-C11-C12
14	A	804	CLA	C2-C3-C5-C6
14	A	810	CLA	C2-C3-C5-C6
14	Z	801	CLA	C2-C3-C5-C6
13	G	801	CL0	C5-C6-C7-C8
14	G	819	CLA	C8-C10-C11-C12
14	Y	827	CLA	C15-C16-C17-C18
14	Y	832	CLA	C15-C16-C17-C18
15	G	843	PQN	C23-C25-C26-C27
14	Y	817	CLA	C3-C5-C6-C7
18	H	849	LHG	C23-C24-C25-C26
17	A	851	BCR	C16-C17-C18-C19
17	B	844	BCR	C20-C21-C22-C23
17	F	203	BCR	C12-C13-C14-C15
17	G	849	BCR	C16-C17-C18-C19
17	H	844	BCR	C20-C21-C22-C23
17	I	102	BCR	C20-C21-C22-C23
17	Q	201	BCR	C16-C17-C18-C19
17	Q	203	BCR	C12-C13-C14-C15
17	Z	845	BCR	C20-C21-C22-C23
17	d	203	BCR	C12-C13-C14-C15
14	H	815	CLA	CAA-CBA-CGA-O2A
18	H	849	LHG	O7-C5-C6-O8
17	G	845	BCR	C19-C20-C21-C22
17	Y	844	BCR	C9-C10-C11-C12
14	B	819	CLA	CAA-CBA-CGA-O1A
14	H	820	CLA	CAA-CBA-CGA-O2A
14	H	821	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	A	839	CLA	C5-C6-C7-C8
14	Y	808	CLA	C15-C16-C17-C18
14	Z	815	CLA	C16-C17-C18-C19
14	Y	805	CLA	C10-C11-C12-C13
14	Y	821	CLA	C8-C10-C11-C12
18	j	101	LHG	O10-C23-O8-C6
14	S	1102	CLA	CAA-CBA-CGA-O2A
14	Z	822	CLA	CAA-CBA-CGA-O2A
14	H	806	CLA	C3-C5-C6-C7
14	H	814	CLA	C4-C3-C5-C6
14	Y	806	CLA	C4-C3-C5-C6
14	A	837	CLA	C2-C1-O2A-CGA
14	B	808	CLA	C2-C1-O2A-CGA
14	G	813	CLA	C2-C1-O2A-CGA
14	Z	802	CLA	C2-C1-O2A-CGA
14	Z	811	CLA	C2-C1-O2A-CGA
14	B	837	CLA	C2-C3-C5-C6
14	Y	827	CLA	C2-C3-C5-C6
14	Z	820	CLA	C2-C3-C5-C6
14	H	820	CLA	CBD-CGD-O2D-CED
14	G	810	CLA	CAA-CBA-CGA-O2A
14	J	101	CLA	CAA-CBA-CGA-O1A
14	X	1701	CLA	CAA-CBA-CGA-O2A
14	B	815	CLA	C6-C7-C8-C10
14	B	805	CLA	C11-C12-C13-C14
14	h	206	CLA	C14-C13-C15-C16
18	A	853	LHG	C7-C8-C9-C10
14	H	802	CLA	C15-C16-C17-C18
14	Z	829	CLA	C2A-CAA-CBA-CGA
14	A	823	CLA	C16-C17-C18-C19
14	B	823	CLA	C6-C7-C8-C9
14	H	808	CLA	C16-C17-C18-C20
14	H	819	CLA	C11-C12-C13-C15
14	H	827	CLA	C16-C17-C18-C19
14	B	820	CLA	CAA-CBA-CGA-O1A
17	A	848	BCR	C5-C6-C7-C8
17	G	847	BCR	C23-C24-C25-C30
17	H	850	BCR	C5-C6-C7-C8
17	V	101	BCR	C1-C6-C7-C8
17	Y	846	BCR	C23-C24-C25-C30
14	Z	808	CLA	C13-C15-C16-C17
14	A	834	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	A	807	CLA	CAA-CBA-CGA-O2A
17	H	846	BCR	C37-C22-C23-C24
18	H	849	LHG	O1-C1-C2-C3
14	B	804	CLA	O1A-CGA-O2A-C1
17	I	102	BCR	C9-C10-C11-C12
17	L	208	BCR	C15-C16-C17-C18
17	Y	845	BCR	C9-C10-C11-C12
14	A	802	CLA	C4-C3-C5-C6
14	A	803	CLA	C4-C3-C5-C6
14	B	831	CLA	C4-C3-C5-C6
14	L	204	CLA	C4-C3-C5-C6
14	Y	832	CLA	C4-C3-C5-C6
15	G	843	PQN	C14-C13-C15-C16
17	A	849	BCR	C21-C22-C23-C24
17	B	847	BCR	C7-C8-C9-C10
14	B	813	CLA	C16-C17-C18-C20
14	B	827	CLA	C16-C17-C18-C19
14	A	807	CLA	C2-C3-C5-C6
14	G	813	CLA	C2-C3-C5-C6
14	G	827	CLA	C2-C3-C5-C6
14	H	836	CLA	C2-C3-C5-C6
14	Y	821	CLA	C2-C3-C5-C6
14	Y	833	CLA	C3-C5-C6-C7
14	H	809	CLA	O1A-CGA-O2A-C1
14	Z	810	CLA	C13-C15-C16-C17
14	B	819	CLA	CAA-CBA-CGA-O2A
14	H	835	CLA	CAA-CBA-CGA-O2A
14	A	821	CLA	CAA-CBA-CGA-O2A
18	A	853	LHG	C28-C29-C30-C31
14	H	832	CLA	C5-C6-C7-C8
14	U	1004	CLA	C5-C6-C7-C8
14	d	201	CLA	C15-C16-C17-C18
15	A	844	PQN	C15-C16-C17-C18
15	Y	842	PQN	C18-C20-C21-C22
14	G	820	CLA	O1D-CGD-O2D-CED
14	Z	816	CLA	C2A-CAA-CBA-CGA
13	G	801	CL0	CAA-CBA-CGA-O2A
14	H	803	CLA	CAA-CBA-CGA-O2A
14	H	818	CLA	C3-C5-C6-C7
14	H	835	CLA	CAA-CBA-CGA-O1A
14	H	813	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	G	821	CLA	C4-C3-C5-C6
14	L	202	CLA	C4-C3-C5-C6
13	G	801	CL0	C11-C10-C8-C7
13	Y	801	CL0	C11-C12-C13-C15
14	A	809	CLA	C11-C12-C13-C15
14	A	820	CLA	C11-C12-C13-C15
14	G	837	CLA	C11-C12-C13-C15
14	H	805	CLA	C11-C10-C8-C7
14	L	204	CLA	C12-C13-C15-C16
14	Z	801	CLA	C12-C13-C15-C16
14	Z	840	CLA	C11-C12-C13-C15
14	Z	836	CLA	CAA-CBA-CGA-O1A
17	A	850	BCR	C9-C10-C11-C12
17	H	847	BCR	C15-C16-C17-C18
14	Y	832	CLA	C16-C17-C18-C19
14	H	821	CLA	CAA-CBA-CGA-O1A
14	A	813	CLA	O1D-CGD-O2D-CED
14	Z	808	CLA	CBA-CGA-O2A-C1
14	B	810	CLA	C3-C5-C6-C7
14	G	853	CLA	CAA-CBA-CGA-O2A
14	S	1102	CLA	CAA-CBA-CGA-O1A
14	A	808	CLA	CAA-CBA-CGA-O2A
14	A	826	CLA	CAA-CBA-CGA-O2A
14	H	830	CLA	C2A-CAA-CBA-CGA
14	B	801	CLA	C8-C10-C11-C12
14	A	837	CLA	C16-C17-C18-C20
14	Z	836	CLA	CAA-CBA-CGA-O2A
14	A	821	CLA	O1D-CGD-O2D-CED
18	j	101	LHG	C24-C23-O8-C6
17	B	844	BCR	C20-C21-C22-C37
17	B	850	BCR	C11-C10-C9-C34
17	G	849	BCR	C16-C17-C18-C36
17	R	102	BCR	C20-C21-C22-C37
17	Y	846	BCR	C20-C21-C22-C37
14	G	837	CLA	CAA-CBA-CGA-O2A
18	Y	850	LHG	O10-C23-C24-C25
14	G	824	CLA	C2C-C3C-CAC-CBC
14	B	807	CLA	C4-C3-C5-C6
14	G	802	CLA	C4-C3-C5-C6
14	H	810	CLA	C4-C3-C5-C6
14	H	823	CLA	C4-C3-C5-C6
14	U	1002	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	Y	802	CLA	C4-C3-C5-C6
14	Z	809	CLA	C4-C3-C5-C6
14	Z	810	CLA	C4-C3-C5-C6
15	A	844	PQN	C23-C25-C26-C27
18	Y	851	LHG	C25-C26-C27-C28
18	j	101	LHG	C3-O3-P-O6
14	A	803	CLA	C2-C3-C5-C6
14	B	809	CLA	C2-C3-C5-C6
14	B	831	CLA	C2-C3-C5-C6
14	G	802	CLA	C2-C3-C5-C6
14	H	825	CLA	C2-C3-C5-C6
14	Y	832	CLA	C2-C3-C5-C6
14	Y	807	CLA	CAA-CBA-CGA-O2A
14	A	804	CLA	C11-C12-C13-C14
14	A	809	CLA	C11-C10-C8-C9
14	A	820	CLA	C14-C13-C15-C16
14	B	825	CLA	C14-C13-C15-C16
14	B	839	CLA	C14-C13-C15-C16
14	G	802	CLA	C11-C12-C13-C14
14	G	811	CLA	C11-C10-C8-C9
14	G	818	CLA	C14-C13-C15-C16
14	H	801	CLA	C14-C13-C15-C16
14	H	802	CLA	C6-C7-C8-C9
14	H	802	CLA	C11-C10-C8-C9
14	H	813	CLA	C14-C13-C15-C16
14	H	826	CLA	C14-C13-C15-C16
14	U	1006	CLA	C14-C13-C15-C16
14	Y	819	CLA	C6-C7-C8-C9
14	Y	820	CLA	C6-C7-C8-C9
14	Y	826	CLA	C6-C7-C8-C9
14	Z	806	CLA	C11-C12-C13-C14
14	Z	807	CLA	C6-C7-C8-C9
14	Z	810	CLA	C11-C10-C8-C9
14	Z	811	CLA	C6-C7-C8-C9
15	G	843	PQN	C24-C23-C25-C26
15	Z	842	PQN	C21-C22-C23-C24
14	G	824	CLA	C4C-C3C-CAC-CBC
14	A	838	CLA	C3A-C2A-CAA-CBA
14	B	837	CLA	C3A-C2A-CAA-CBA
14	G	813	CLA	C3A-C2A-CAA-CBA
14	H	803	CLA	C3A-C2A-CAA-CBA
14	Y	813	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	h	206	CLA	C3A-C2A-CAA-CBA
14	Z	811	CLA	O1A-CGA-O2A-C1
13	A	801	CL0	CAA-CBA-CGA-O2A
14	Z	808	CLA	CAA-CBA-CGA-O2A
14	Z	823	CLA	CAA-CBA-CGA-O2A
14	B	834	CLA	CAA-CBA-CGA-O2A
14	B	835	CLA	CAA-CBA-CGA-O1A
14	A	816	CLA	CAD-CBD-CGD-O2D
14	A	823	CLA	CAD-CBD-CGD-O2D
14	A	827	CLA	CAD-CBD-CGD-O2D
14	B	806	CLA	CAD-CBD-CGD-O2D
14	B	812	CLA	CAD-CBD-CGD-O2D
14	B	814	CLA	CAD-CBD-CGD-O2D
14	B	819	CLA	CAD-CBD-CGD-O2D
14	B	820	CLA	CAD-CBD-CGD-O2D
14	G	813	CLA	CAD-CBD-CGD-O2D
14	H	805	CLA	CAD-CBD-CGD-O2D
14	H	830	CLA	CAD-CBD-CGD-O2D
14	H	839	CLA	CAD-CBD-CGD-O2D
14	Y	807	CLA	CAD-CBD-CGD-O2D
14	Y	824	CLA	CAD-CBD-CGD-O2D
14	Y	825	CLA	CAD-CBD-CGD-O2D
14	Y	827	CLA	CAD-CBD-CGD-O2D
14	Y	831	CLA	CAD-CBD-CGD-O2D
14	Z	806	CLA	CAD-CBD-CGD-O2D
14	Z	812	CLA	CAD-CBD-CGD-O2D
14	Z	816	CLA	CAD-CBD-CGD-O2D
14	Z	831	CLA	CAD-CBD-CGD-O2D
14	d	202	CLA	CAD-CBD-CGD-O2D
14	g	102	CLA	CAD-CBD-CGD-O2D
14	G	821	CLA	C13-C15-C16-C17
17	Q	201	BCR	C9-C10-C11-C12
14	B	815	CLA	C3-C5-C6-C7
14	Y	812	CLA	C3-C5-C6-C7
14	Z	833	CLA	C2C-C3C-CAC-CBC
14	A	810	CLA	CAA-CBA-CGA-O2A
14	B	808	CLA	CAA-CBA-CGA-O2A
14	B	837	CLA	CAA-CBA-CGA-O2A
14	Z	811	CLA	CBA-CGA-O2A-C1
14	A	809	CLA	C4-C3-C5-C6
14	A	822	CLA	C4-C3-C5-C6
14	H	808	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	Z	811	CLA	C4-C3-C5-C6
15	Z	842	PQN	C14-C13-C15-C16
14	Y	836	CLA	C3-C5-C6-C7
14	B	835	CLA	CAA-CBA-CGA-O2A
14	A	809	CLA	C2-C3-C5-C6
14	H	808	CLA	C2-C3-C5-C6
14	Z	809	CLA	C2-C3-C5-C6
14	A	806	CLA	CAA-CBA-CGA-O2A
14	B	812	CLA	CAA-CBA-CGA-O2A
14	B	818	CLA	CAA-CBA-CGA-O2A
14	G	818	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	CAA-CBA-CGA-O2A
14	H	851	CLA	CAA-CBA-CGA-O2A
17	A	849	BCR	C11-C12-C13-C14
17	B	844	BCR	C7-C8-C9-C10
17	B	846	BCR	C17-C18-C19-C20
17	H	846	BCR	C11-C12-C13-C14
17	J	104	BCR	C17-C18-C19-C20
17	S	1105	BCR	C17-C18-C19-C20
17	Y	846	BCR	C11-C12-C13-C14
17	Y	847	BCR	C17-C18-C19-C20
17	h	207	BCR	C21-C22-C23-C24
14	B	813	CLA	C4C-C3C-CAC-CBC
18	G	850	LHG	C31-C32-C33-C34
14	B	821	CLA	CAA-CBA-CGA-O2A
14	G	811	CLA	CAA-CBA-CGA-O2A
14	G	831	CLA	CAA-CBA-CGA-O2A
14	H	809	CLA	CAA-CBA-CGA-O2A
14	Y	832	CLA	CAA-CBA-CGA-O2A
14	Z	838	CLA	CAA-CBA-CGA-O2A
19	Z	849	LMG	O7-C10-C11-C12
19	B	848	LMG	C14-C15-C16-C17
14	B	820	CLA	CAA-CBA-CGA-O2A
14	H	839	CLA	O2A-C1-C2-C3
14	Z	825	CLA	O2A-C1-C2-C3
14	L	202	CLA	CBA-CGA-O2A-C1
14	L	202	CLA	C2A-CAA-CBA-CGA
14	S	1102	CLA	C2A-CAA-CBA-CGA
14	A	812	CLA	C15-C16-C17-C18
14	G	807	CLA	CAA-CBA-CGA-O2A
14	Y	815	CLA	CAA-CBA-CGA-O2A
14	Z	810	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
18	A	852	LHG	O7-C7-C8-C9
14	B	834	CLA	CAA-CBA-CGA-O1A
14	G	853	CLA	CAA-CBA-CGA-O1A
14	B	827	CLA	C16-C17-C18-C20
14	G	826	CLA	C11-C12-C13-C14
14	Y	828	CLA	C16-C17-C18-C19
18	j	101	LHG	O2-C2-C3-O3
14	A	813	CLA	CHA-CBD-CGD-O2D
14	A	815	CLA	CHA-CBD-CGD-O1D
14	A	815	CLA	CHA-CBD-CGD-O2D
14	A	816	CLA	CHA-CBD-CGD-O2D
14	A	826	CLA	CHA-CBD-CGD-O1D
14	A	826	CLA	CHA-CBD-CGD-O2D
14	A	835	CLA	CHA-CBD-CGD-O1D
14	A	835	CLA	CHA-CBD-CGD-O2D
14	A	842	CLA	CHA-CBD-CGD-O2D
14	A	854	CLA	CHA-CBD-CGD-O1D
14	A	854	CLA	CHA-CBD-CGD-O2D
14	B	808	CLA	CHA-CBD-CGD-O1D
14	B	808	CLA	CHA-CBD-CGD-O2D
14	B	823	CLA	CHA-CBD-CGD-O1D
14	B	823	CLA	CHA-CBD-CGD-O2D
14	B	828	CLA	CHA-CBD-CGD-O1D
14	B	830	CLA	CHA-CBD-CGD-O1D
14	B	830	CLA	CHA-CBD-CGD-O2D
14	B	833	CLA	CHA-CBD-CGD-O2D
14	B	837	CLA	CHA-CBD-CGD-O2D
14	G	808	CLA	CHA-CBD-CGD-O1D
14	G	811	CLA	CHA-CBD-CGD-O1D
14	G	811	CLA	CHA-CBD-CGD-O2D
14	G	817	CLA	CHA-CBD-CGD-O1D
14	G	817	CLA	CHA-CBD-CGD-O2D
14	G	821	CLA	CHA-CBD-CGD-O1D
14	G	821	CLA	CHA-CBD-CGD-O2D
14	G	830	CLA	CHA-CBD-CGD-O2D
14	G	831	CLA	CHA-CBD-CGD-O1D
14	G	831	CLA	CHA-CBD-CGD-O2D
14	G	833	CLA	CHA-CBD-CGD-O1D
14	G	833	CLA	CHA-CBD-CGD-O2D
14	G	838	CLA	CHA-CBD-CGD-O2D
14	G	839	CLA	CHA-CBD-CGD-O1D
14	G	839	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	G	853	CLA	CHA-CBD-CGD-O1D
14	G	853	CLA	CHA-CBD-CGD-O2D
14	H	802	CLA	CHA-CBD-CGD-O2D
14	H	808	CLA	CHA-CBD-CGD-O1D
14	H	808	CLA	CHA-CBD-CGD-O2D
14	H	816	CLA	CHA-CBD-CGD-O1D
14	H	816	CLA	CHA-CBD-CGD-O2D
14	H	820	CLA	CHA-CBD-CGD-O1D
14	H	820	CLA	CHA-CBD-CGD-O2D
14	H	824	CLA	CHA-CBD-CGD-O1D
14	H	824	CLA	CHA-CBD-CGD-O2D
14	H	826	CLA	CHA-CBD-CGD-O2D
14	H	832	CLA	CHA-CBD-CGD-O1D
14	H	832	CLA	CHA-CBD-CGD-O2D
14	H	833	CLA	CHA-CBD-CGD-O1D
14	H	833	CLA	CHA-CBD-CGD-O2D
14	H	834	CLA	CHA-CBD-CGD-O2D
14	L	201	CLA	CHA-CBD-CGD-O2D
14	L	204	CLA	CHA-CBD-CGD-O1D
14	L	205	CLA	CHA-CBD-CGD-O2D
14	S	1101	CLA	CHA-CBD-CGD-O2D
14	S	1102	CLA	CHA-CBD-CGD-O1D
14	S	1102	CLA	CHA-CBD-CGD-O2D
14	T	103	CLA	CHA-CBD-CGD-O2D
14	U	1003	CLA	CHA-CBD-CGD-O2D
14	U	1007	CLA	CHA-CBD-CGD-O1D
14	U	1007	CLA	CHA-CBD-CGD-O2D
14	Y	806	CLA	CHA-CBD-CGD-O1D
14	Y	806	CLA	CHA-CBD-CGD-O2D
14	Y	820	CLA	CHA-CBD-CGD-O1D
14	Y	821	CLA	CHA-CBD-CGD-O1D
14	Y	821	CLA	CHA-CBD-CGD-O2D
14	Y	824	CLA	CHA-CBD-CGD-O2D
14	Y	834	CLA	CHA-CBD-CGD-O1D
14	Y	837	CLA	CHA-CBD-CGD-O2D
14	Y	839	CLA	CHA-CBD-CGD-O1D
14	Y	839	CLA	CHA-CBD-CGD-O2D
14	Y	841	CLA	CHA-CBD-CGD-O2D
14	Z	802	CLA	CHA-CBD-CGD-O1D
14	Z	802	CLA	CHA-CBD-CGD-O2D
14	Z	803	CLA	CHA-CBD-CGD-O1D
14	Z	803	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	Z	804	CLA	CHA-CBD-CGD-O1D
14	Z	804	CLA	CHA-CBD-CGD-O2D
14	Z	811	CLA	CHA-CBD-CGD-O1D
14	Z	815	CLA	CHA-CBD-CGD-O1D
14	Z	822	CLA	CHA-CBD-CGD-O2D
14	Z	838	CLA	CHA-CBD-CGD-O1D
14	Z	838	CLA	CHA-CBD-CGD-O2D
14	h	201	CLA	CHA-CBD-CGD-O1D
14	h	201	CLA	CHA-CBD-CGD-O2D
14	h	205	CLA	CHA-CBD-CGD-O1D
14	h	205	CLA	CHA-CBD-CGD-O2D
14	G	834	CLA	C4-C3-C5-C6
14	Z	824	CLA	C4-C3-C5-C6
14	A	824	CLA	CAA-CBA-CGA-O2A
14	A	825	CLA	CAA-CBA-CGA-O2A
14	H	814	CLA	C2-C3-C5-C6
14	L	204	CLA	C2-C3-C5-C6
14	G	812	CLA	C2C-C3C-CAC-CBC
17	A	848	BCR	C16-C17-C18-C19
17	R	102	BCR	C20-C21-C22-C23
17	U	1008	BCR	C20-C21-C22-C23
14	G	805	CLA	CAA-CBA-CGA-O2A
14	G	841	CLA	CAA-CBA-CGA-O2A
14	H	823	CLA	CAA-CBA-CGA-O2A
14	Y	818	CLA	CAA-CBA-CGA-O2A
14	Y	827	CLA	CAA-CBA-CGA-O2A
14	U	1007	CLA	C2C-C3C-CAC-CBC
19	H	848	LMG	C29-C30-C31-C32
14	B	831	CLA	C15-C16-C17-C18
14	H	806	CLA	C8-C10-C11-C12
14	Z	830	CLA	C5-C6-C7-C8
14	A	810	CLA	O1D-CGD-O2D-CED
14	Y	809	CLA	C4C-C3C-CAC-CBC
14	A	815	CLA	CAA-CBA-CGA-O2A
14	A	838	CLA	CAA-CBA-CGA-O2A
14	B	813	CLA	CAA-CBA-CGA-O2A
14	B	840	CLA	CAA-CBA-CGA-O2A
14	H	837	CLA	CAA-CBA-CGA-O2A
14	S	1103	CLA	CAA-CBA-CGA-O2A
14	B	820	CLA	C4C-C3C-CAC-CBC
14	H	801	CLA	CAA-CBA-CGA-O2A
14	Z	835	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
18	A	852	LHG	C35-C36-C37-C38
14	A	823	CLA	C11-C12-C13-C15
14	A	841	CLA	C11-C10-C8-C7
14	B	827	CLA	C11-C12-C13-C15
14	G	822	CLA	C2-C3-C5-C6
14	Y	806	CLA	C6-C7-C8-C10
14	Y	832	CLA	C11-C12-C13-C15
14	Z	804	CLA	C6-C7-C8-C10
14	Z	815	CLA	C2-C3-C5-C6
14	Z	825	CLA	C2-C3-C5-C6
14	Z	828	CLA	C12-C13-C15-C16
14	Z	829	CLA	C12-C13-C15-C16
14	h	205	CLA	C12-C13-C15-C16
14	A	829	CLA	CAA-CBA-CGA-O2A
14	Z	833	CLA	CAA-CBA-CGA-O2A
14	A	818	CLA	C6-C7-C8-C9
14	A	822	CLA	C14-C13-C15-C16
14	A	823	CLA	C11-C12-C13-C14
14	A	841	CLA	C14-C13-C15-C16
14	B	817	CLA	C6-C7-C8-C9
14	G	806	CLA	C14-C13-C15-C16
14	G	819	CLA	C6-C7-C8-C9
14	G	832	CLA	C6-C7-C8-C9
14	G	837	CLA	C6-C7-C8-C9
14	H	802	CLA	C11-C12-C13-C14
14	H	806	CLA	C11-C10-C8-C9
14	S	1101	CLA	C11-C10-C8-C9
14	Y	836	CLA	C11-C10-C8-C9
14	Z	801	CLA	C11-C12-C13-C14
14	Z	814	CLA	C11-C10-C8-C9
14	Z	828	CLA	C11-C12-C13-C14
14	H	824	CLA	C2C-C3C-CAC-CBC
17	H	850	BCR	C14-C15-C16-C17
17	U	1008	BCR	C14-C15-C16-C17
14	G	826	CLA	C2C-C3C-CAC-CBC
14	H	809	CLA	CBA-CGA-O2A-C1
14	Z	828	CLA	CAA-CBA-CGA-O2A
14	B	837	CLA	CAA-CBA-CGA-O1A
14	B	804	CLA	C16-C17-C18-C20
14	H	831	CLA	C16-C17-C18-C19
15	Y	842	PQN	C26-C27-C28-C30
14	Y	819	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	G	829	CLA	C2A-CAA-CBA-CGA
14	X	1701	CLA	C2A-CAA-CBA-CGA
14	A	826	CLA	CAA-CBA-CGA-O1A
14	B	817	CLA	CAA-CBA-CGA-O2A
17	G	849	BCR	C37-C22-C23-C24
14	G	818	CLA	CAA-CBA-CGA-O1A
14	G	837	CLA	CAA-CBA-CGA-O1A
14	H	851	CLA	CAA-CBA-CGA-O1A
14	H	819	CLA	CAA-CBA-CGA-O2A
18	A	852	LHG	C30-C31-C32-C33
17	H	842	BCR	C17-C18-C19-C20
19	B	848	LMG	C34-C35-C36-C37
19	H	848	LMG	C31-C32-C33-C34
14	B	837	CLA	C13-C15-C16-C17
14	B	836	CLA	C1A-C2A-CAA-CBA
14	G	803	CLA	C1A-C2A-CAA-CBA
14	G	813	CLA	C1A-C2A-CAA-CBA
14	G	814	CLA	C1A-C2A-CAA-CBA
14	G	828	CLA	C1A-C2A-CAA-CBA
14	G	829	CLA	C1A-C2A-CAA-CBA
14	Y	813	CLA	C1A-C2A-CAA-CBA
14	Y	833	CLA	C1A-C2A-CAA-CBA
14	Y	840	CLA	C1A-C2A-CAA-CBA
14	Z	802	CLA	C1A-C2A-CAA-CBA
14	Z	812	CLA	C1A-C2A-CAA-CBA
14	Z	814	CLA	C1A-C2A-CAA-CBA
14	Z	826	CLA	C1A-C2A-CAA-CBA
14	f	102	CLA	C1A-C2A-CAA-CBA
14	h	201	CLA	C1A-C2A-CAA-CBA
14	j	102	CLA	C1A-C2A-CAA-CBA
14	B	818	CLA	CAA-CBA-CGA-O1A
14	G	807	CLA	CAA-CBA-CGA-O1A
14	G	821	CLA	CAA-CBA-CGA-O1A
14	G	831	CLA	CAA-CBA-CGA-O1A
14	Z	808	CLA	CAA-CBA-CGA-O1A
14	Z	835	CLA	CAA-CBA-CGA-O1A
14	Z	836	CLA	C2C-C3C-CAC-CBC
14	G	841	CLA	C2-C1-O2A-CGA
14	Y	831	CLA	C2-C1-O2A-CGA
14	Z	808	CLA	C2-C1-O2A-CGA
14	Z	833	CLA	C2-C1-O2A-CGA
14	G	802	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	B	821	CLA	CAA-CBA-CGA-O1A
14	G	811	CLA	CAA-CBA-CGA-O1A
14	Y	815	CLA	CAA-CBA-CGA-O1A
17	h	202	BCR	C15-C16-C17-C18
14	B	802	CLA	CAA-CBA-CGA-O2A
14	Z	819	CLA	CAA-CBA-CGA-O2A
14	A	854	CLA	C2A-CAA-CBA-CGA
14	B	821	CLA	C2A-CAA-CBA-CGA
14	G	806	CLA	C2A-CAA-CBA-CGA
14	G	818	CLA	C2A-CAA-CBA-CGA
14	Z	808	CLA	C2A-CAA-CBA-CGA
14	H	805	CLA	C16-C17-C18-C20
14	Z	841	CLA	C16-C17-C18-C20
14	A	838	CLA	CAA-CBA-CGA-O1A
14	B	808	CLA	CAA-CBA-CGA-O1A
14	Z	820	CLA	C4-C3-C5-C6
14	J	102	CLA	CAA-CBA-CGA-O2A
14	f	102	CLA	C5-C6-C7-C8
14	A	825	CLA	CAA-CBA-CGA-O1A
14	B	802	CLA	CAA-CBA-CGA-O1A
14	B	813	CLA	CAA-CBA-CGA-O1A
14	G	805	CLA	CAA-CBA-CGA-O1A
14	Y	807	CLA	CAA-CBA-CGA-O1A
14	Z	823	CLA	CAA-CBA-CGA-O1A
14	A	802	CLA	C2-C3-C5-C6
14	H	810	CLA	C4C-C3C-CAC-CBC
14	G	806	CLA	C8-C10-C11-C12
18	A	853	LHG	C3-O3-P-O5
18	G	850	LHG	C3-O3-P-O5
18	H	849	LHG	C3-O3-P-O5
18	j	101	LHG	C3-O3-P-O5
14	A	806	CLA	CAA-CBA-CGA-O1A
14	G	841	CLA	CAA-CBA-CGA-O1A
14	H	823	CLA	CAA-CBA-CGA-O1A
14	Z	810	CLA	CAA-CBA-CGA-O1A
14	Z	833	CLA	CAA-CBA-CGA-O1A
14	Z	838	CLA	CAA-CBA-CGA-O1A
18	B	849	LHG	O7-C7-C8-C9
18	G	850	LHG	O7-C7-C8-C9
17	B	846	BCR	C1-C6-C7-C8
17	B	850	BCR	C1-C6-C7-C8
17	H	846	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
17	M	101	BCR	C1-C6-C7-C8
17	Q	203	BCR	C23-C24-C25-C26
17	Y	844	BCR	C23-C24-C25-C26
17	Y	846	BCR	C1-C6-C7-C8
17	Y	848	BCR	C23-C24-C25-C30
17	i	101	BCR	C5-C6-C7-C8
14	G	841	CLA	C5-C6-C7-C8
14	A	808	CLA	CAA-CBA-CGA-O1A
14	H	809	CLA	CAA-CBA-CGA-O1A
14	J	102	CLA	CAA-CBA-CGA-O1A
14	Y	832	CLA	CAA-CBA-CGA-O1A
14	H	822	CLA	CAA-CBA-CGA-O2A
14	F	202	CLA	CAA-CBA-CGA-O2A
14	S	1101	CLA	C16-C17-C18-C19
14	L	202	CLA	C2C-C3C-CAC-CBC
17	Y	853	BCR	C18-C19-C20-C21
14	H	810	CLA	C2A-CAA-CBA-CGA
14	A	824	CLA	CAA-CBA-CGA-O1A
14	Y	818	CLA	CAA-CBA-CGA-O1A
14	Y	827	CLA	CAA-CBA-CGA-O1A
18	A	852	LHG	O9-C7-C8-C9
14	Y	828	CLA	C2C-C3C-CAC-CBC
19	B	848	LMG	C37-C38-C39-C40
14	H	808	CLA	CAA-CBA-CGA-O2A
14	H	803	CLA	C8-C10-C11-C12
14	Z	811	CLA	C10-C11-C12-C13
14	H	801	CLA	CAA-CBA-CGA-O1A
14	H	819	CLA	CAA-CBA-CGA-O1A
14	H	837	CLA	CAA-CBA-CGA-O1A
14	H	809	CLA	C4-C3-C5-C6
14	H	810	CLA	C2-C3-C5-C6
18	H	849	LHG	C11-C12-C13-C14
14	A	808	CLA	C2-C3-C5-C6
14	A	831	CLA	CAD-CBD-CGD-O1D
14	B	808	CLA	CAD-CBD-CGD-O1D
14	G	811	CLA	CAD-CBD-CGD-O1D
14	G	818	CLA	CAD-CBD-CGD-O1D
14	G	821	CLA	CAD-CBD-CGD-O1D
14	G	825	CLA	CAD-CBD-CGD-O1D
14	G	827	CLA	CAD-CBD-CGD-O1D
14	G	835	CLA	CAD-CBD-CGD-O1D
14	H	803	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	H	838	CLA	CAD-CBD-CGD-O1D
14	Y	813	CLA	CAD-CBD-CGD-O1D
14	Y	814	CLA	CAD-CBD-CGD-O1D
14	Y	819	CLA	CAD-CBD-CGD-O1D
14	Y	821	CLA	CAD-CBD-CGD-O1D
14	Z	803	CLA	CAD-CBD-CGD-O1D
14	Z	810	CLA	CAD-CBD-CGD-O1D
14	Z	818	CLA	CAD-CBD-CGD-O1D
14	Z	830	CLA	CAD-CBD-CGD-O1D
14	Z	836	CLA	CAD-CBD-CGD-O1D
14	A	805	CLA	CAA-CBA-CGA-O1A
14	A	810	CLA	CAA-CBA-CGA-O1A
14	Y	823	CLA	CAA-CBA-CGA-O1A
14	B	822	CLA	CAA-CBA-CGA-O2A
14	G	806	CLA	CAA-CBA-CGA-O2A
14	B	806	CLA	C10-C11-C12-C13
14	B	827	CLA	C11-C12-C13-C14
14	G	821	CLA	C6-C7-C8-C9
14	H	818	CLA	C11-C10-C8-C9
14	H	819	CLA	C6-C7-C8-C9
14	H	837	CLA	C6-C7-C8-C9
14	Y	808	CLA	C11-C12-C13-C14
14	Y	829	CLA	C11-C12-C13-C14
14	G	803	CLA	O1D-CGD-O2D-CED
14	S	1103	CLA	CAA-CBA-CGA-O1A
14	Z	827	CLA	CBA-CGA-O2A-C1
14	A	834	CLA	C6-C7-C8-C9
14	A	805	CLA	CAA-CBA-CGA-O2A
14	A	813	CLA	CAA-CBA-CGA-O2A
14	A	831	CLA	CAA-CBA-CGA-O2A
14	H	811	CLA	CAA-CBA-CGA-O2A
14	Y	805	CLA	CAA-CBA-CGA-O2A
14	Y	829	CLA	CAA-CBA-CGA-O2A
18	Y	850	LHG	C29-C30-C31-C32
14	B	812	CLA	C8-C10-C11-C12
14	A	841	CLA	C4C-C3C-CAC-CBC
13	Y	801	CL0	CAA-CBA-CGA-O1A
18	Y	850	LHG	C31-C32-C33-C34
14	A	819	CLA	CAA-CBA-CGA-O2A
14	A	830	CLA	CAA-CBA-CGA-O2A
14	G	830	CLA	CAA-CBA-CGA-O2A
14	H	810	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	H	811	CLA	CAA-CBA-CGA-O1A
14	Z	819	CLA	CAA-CBA-CGA-O1A
14	A	812	CLA	C4-C3-C5-C6
14	Z	814	CLA	C4-C3-C5-C6
14	U	1002	CLA	C13-C15-C16-C17
14	Z	838	CLA	C13-C15-C16-C17
17	A	848	BCR	C36-C18-C19-C20
14	A	810	CLA	C12-C13-C15-C16
14	A	818	CLA	C6-C7-C8-C10
14	A	819	CLA	C11-C10-C8-C7
14	A	828	CLA	C6-C7-C8-C10
14	A	842	CLA	C12-C13-C15-C16
14	B	807	CLA	C6-C7-C8-C10
14	B	812	CLA	C11-C12-C13-C15
14	B	822	CLA	C2-C3-C5-C6
14	G	803	CLA	C11-C10-C8-C7
14	G	805	CLA	C11-C12-C13-C15
14	G	814	CLA	C3A-C2A-CAA-CBA
14	G	819	CLA	C6-C7-C8-C10
14	H	809	CLA	C12-C13-C15-C16
14	H	814	CLA	C11-C12-C13-C15
14	H	817	CLA	C11-C10-C8-C7
14	H	827	CLA	C11-C10-C8-C7
14	H	836	CLA	C6-C7-C8-C10
14	H	839	CLA	C12-C13-C15-C16
14	Y	802	CLA	C3A-C2A-CAA-CBA
14	Y	804	CLA	C6-C7-C8-C10
14	Y	805	CLA	C11-C10-C8-C7
14	Y	808	CLA	C11-C12-C13-C15
14	Z	802	CLA	C2-C3-C5-C6
14	Z	814	CLA	C3A-C2A-CAA-CBA
15	G	843	PQN	C12-C13-C15-C16
14	G	806	CLA	CAA-CBA-CGA-O1A
14	G	830	CLA	CAA-CBA-CGA-O1A
14	Y	811	CLA	CAA-CBA-CGA-O1A
19	Z	849	LMG	O9-C10-C11-C12
14	Z	832	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	CAA-CBA-CGA-O2A
14	G	816	CLA	CAA-CBA-CGA-O2A
14	H	807	CLA	CAA-CBA-CGA-O2A
14	Y	811	CLA	CAA-CBA-CGA-O2A
14	Z	804	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	Z	820	CLA	CAA-CBA-CGA-O2A
14	G	802	CLA	C8-C10-C11-C12
17	A	848	BCR	C11-C12-C13-C14
17	G	847	BCR	C11-C12-C13-C14
17	Y	853	BCR	C7-C8-C9-C10
14	H	812	CLA	CAA-CBA-CGA-O1A
17	L	207	BCR	C19-C20-C21-C22
17	Y	846	BCR	C19-C20-C21-C22
17	Y	853	BCR	C19-C20-C21-C22
19	B	848	LMG	C39-C40-C41-C42
14	Y	823	CLA	CAA-CBA-CGA-O2A
14	H	823	CLA	C10-C11-C12-C13
14	Z	802	CLA	C5-C6-C7-C8
14	A	813	CLA	CAA-CBA-CGA-O1A
14	B	822	CLA	CAA-CBA-CGA-O1A
14	G	816	CLA	CAA-CBA-CGA-O1A
14	Z	820	CLA	CAA-CBA-CGA-O1A
18	B	849	LHG	O9-C7-C8-C9
14	A	820	CLA	C5-C6-C7-C8
14	Z	837	CLA	C5-C6-C7-C8
14	H	802	CLA	CAA-CBA-CGA-O2A
14	Y	814	CLA	CAA-CBA-CGA-O2A
19	B	848	LMG	O7-C10-C11-C12
14	B	812	CLA	C5-C6-C7-C8
14	Z	804	CLA	CAA-CBA-CGA-O1A
14	H	812	CLA	C2A-CAA-CBA-CGA
14	Z	803	CLA	C2A-CAA-CBA-CGA
14	F	202	CLA	CAA-CBA-CGA-O1A
14	Z	811	CLA	C4C-C3C-CAC-CBC
14	B	826	CLA	C8-C10-C11-C12
14	Z	820	CLA	C5-C6-C7-C8
14	H	807	CLA	CAA-CBA-CGA-O1A
14	Y	805	CLA	CAA-CBA-CGA-O1A
14	Y	809	CLA	CAA-CBA-CGA-O2A
14	f	102	CLA	CAA-CBA-CGA-O2A

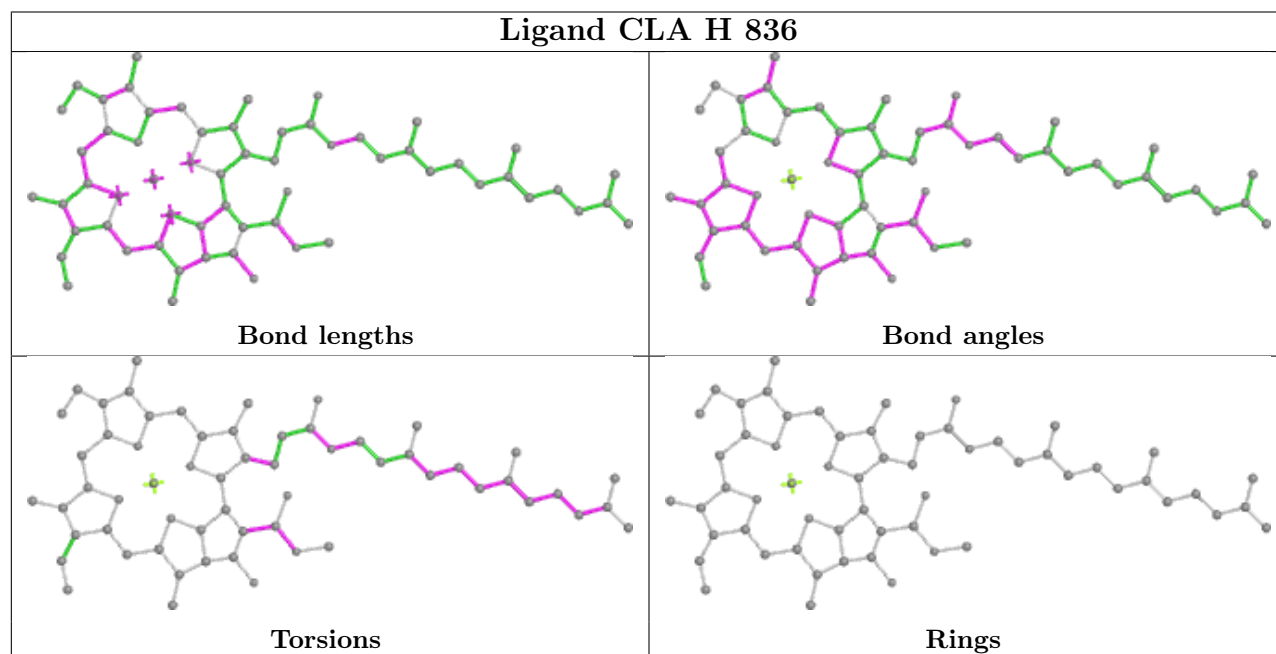
There are no ring outliers.

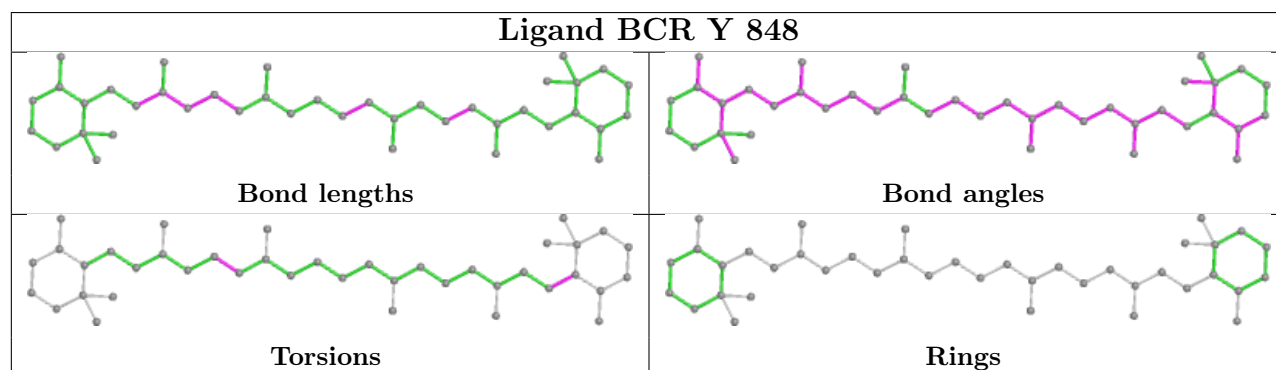
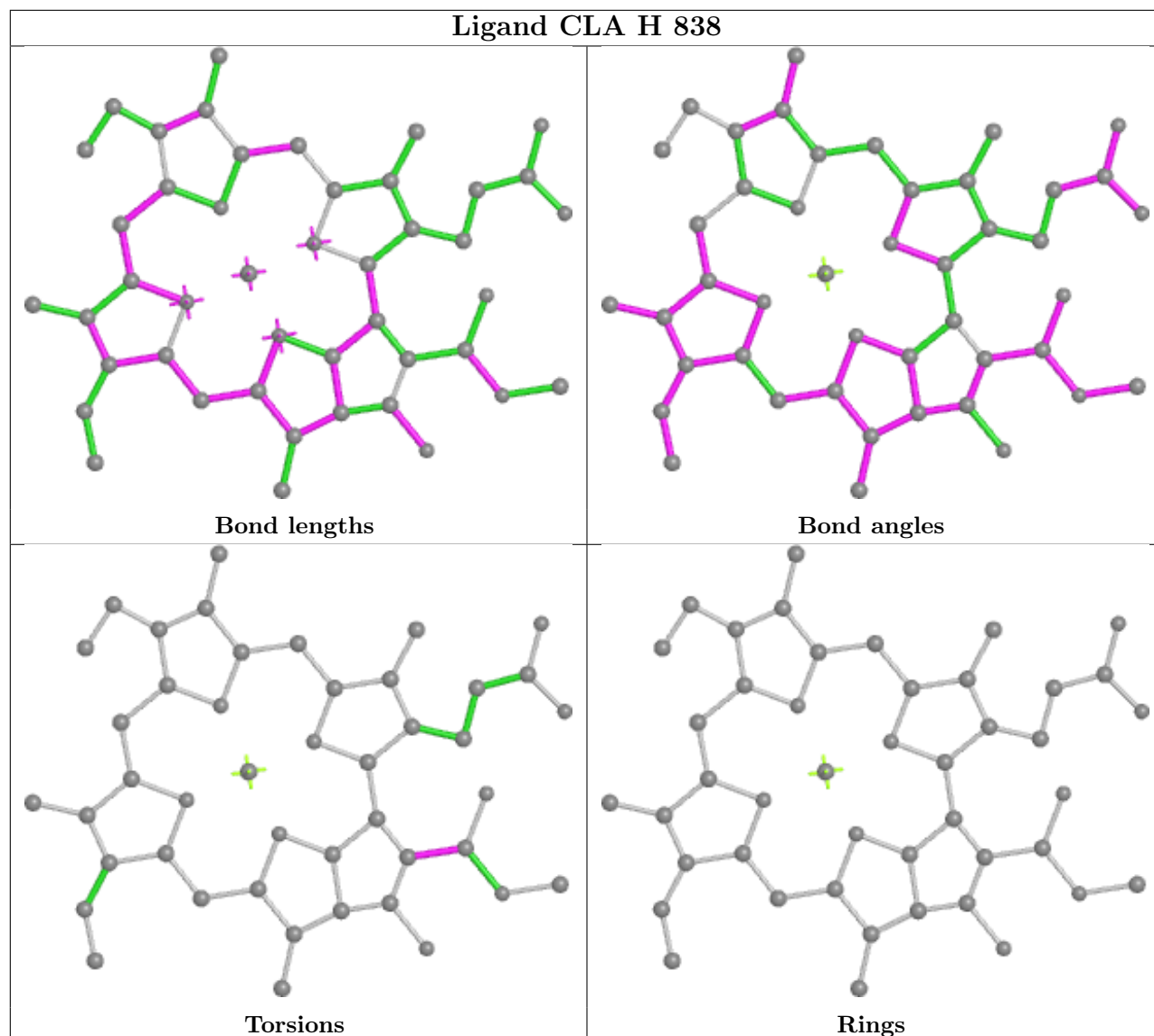
No monomer is involved in short contacts.

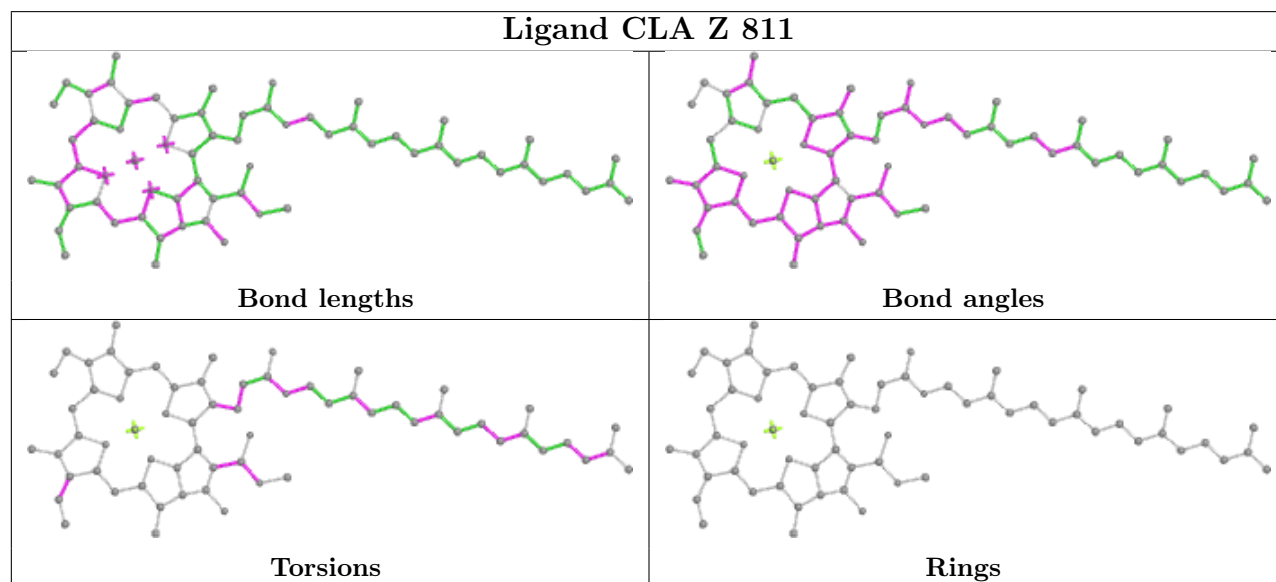
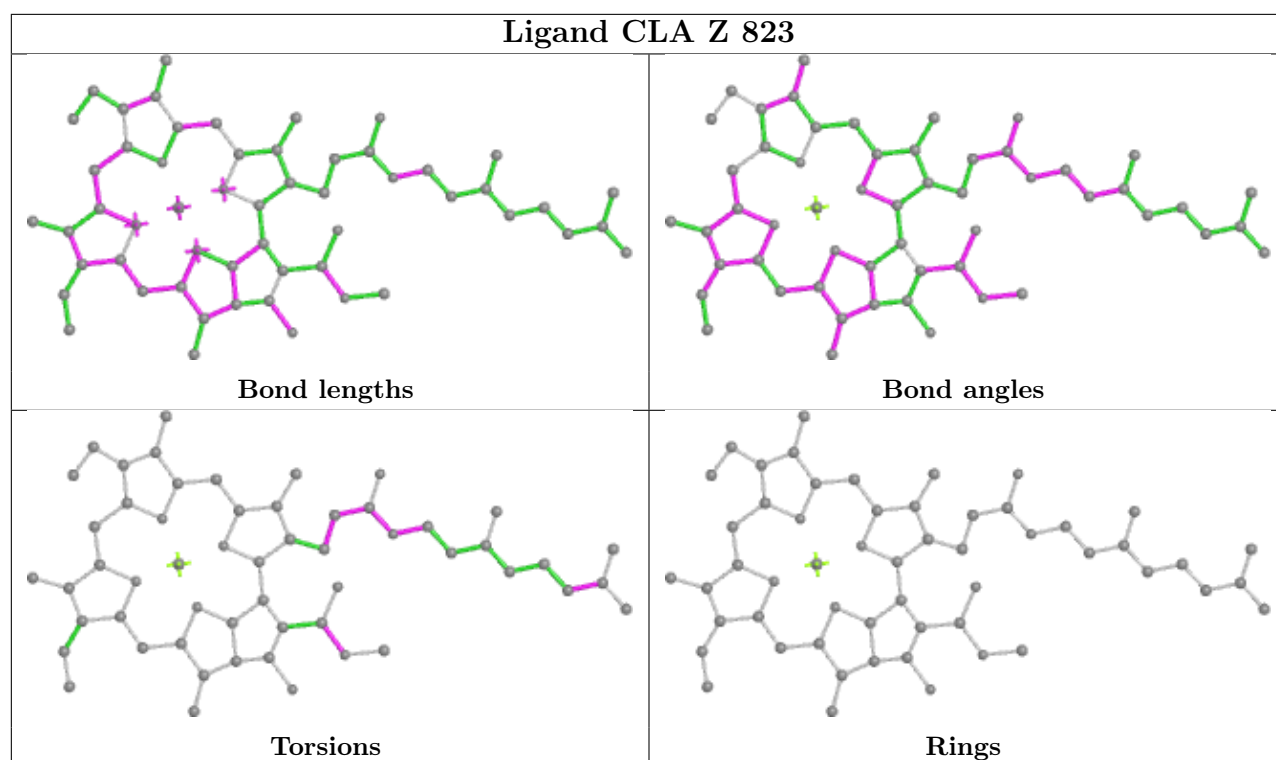
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is

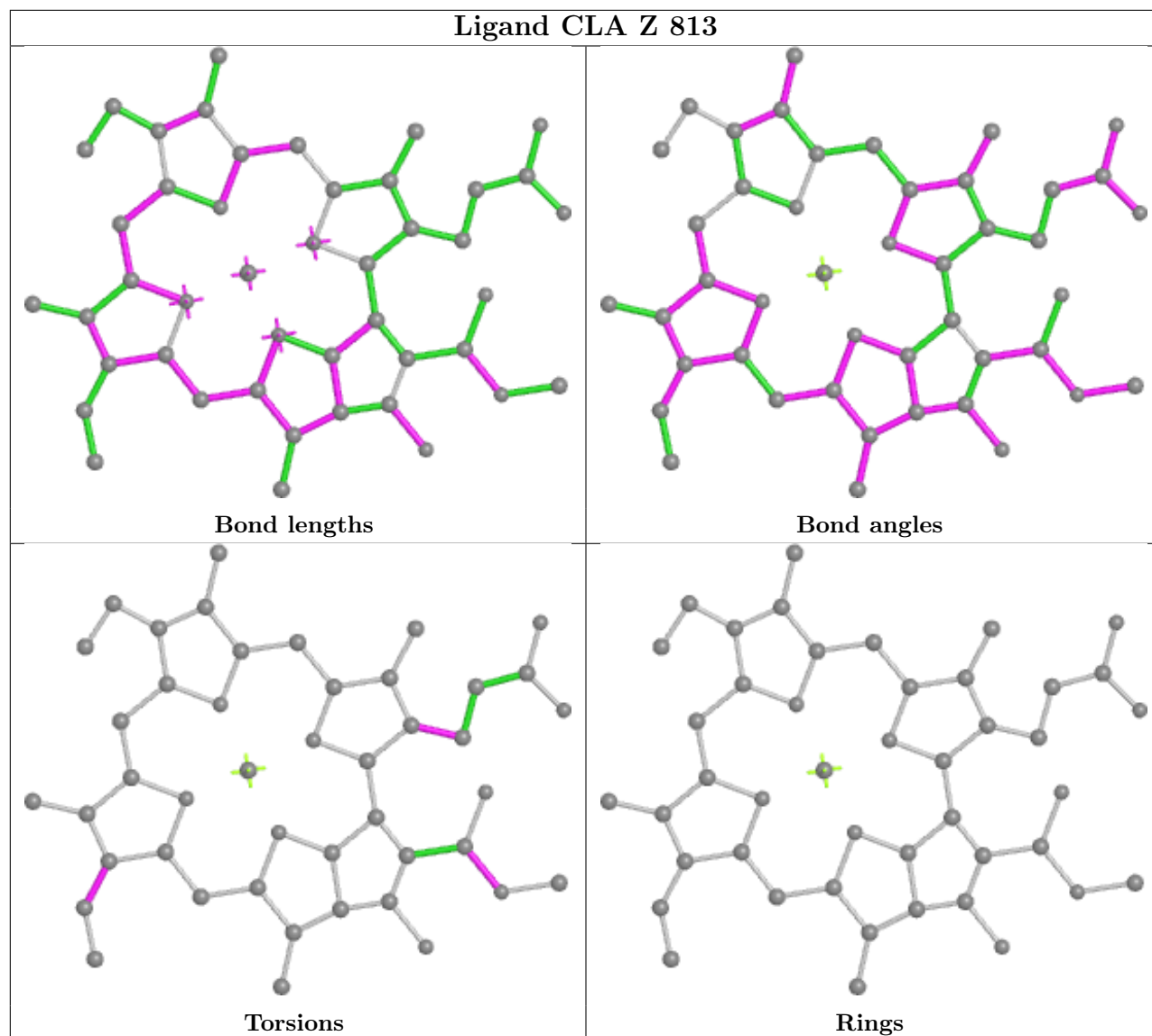


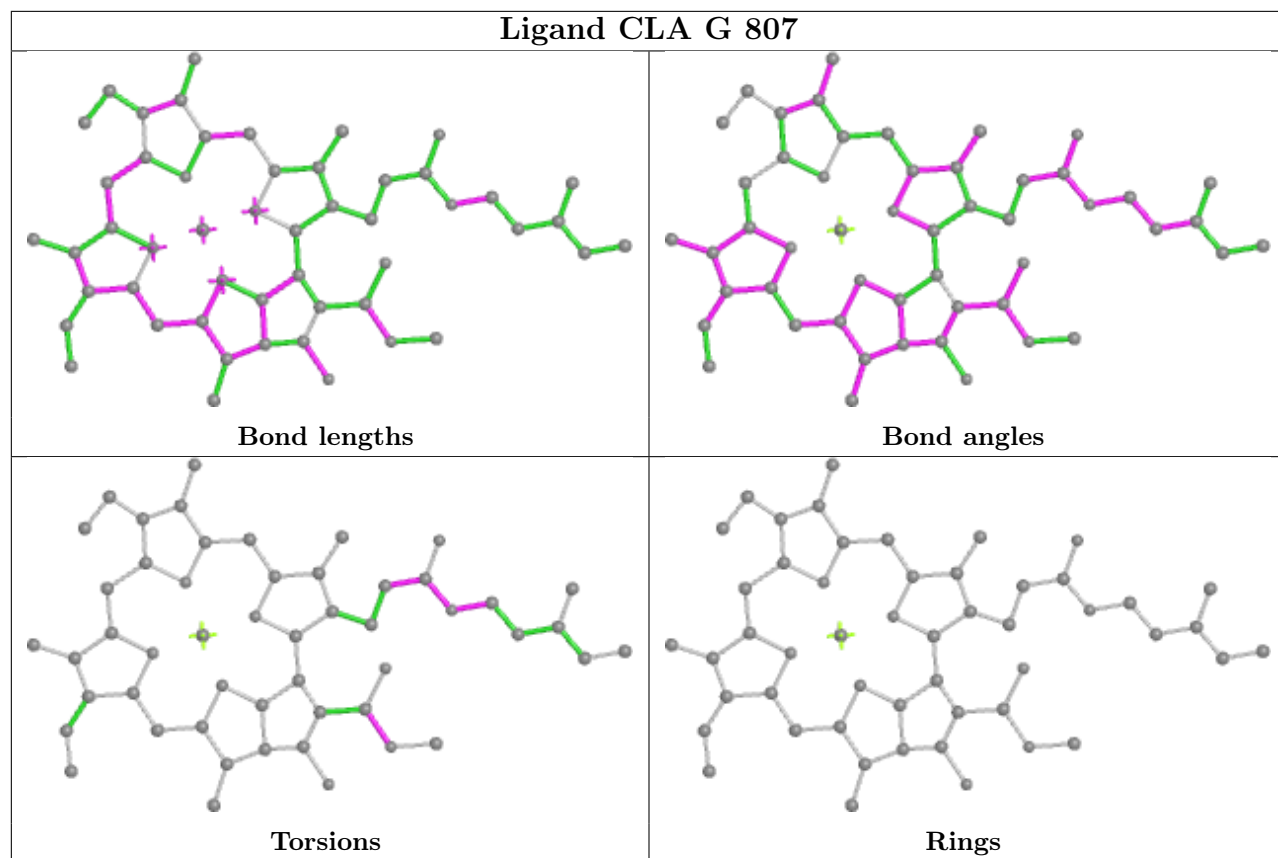
within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

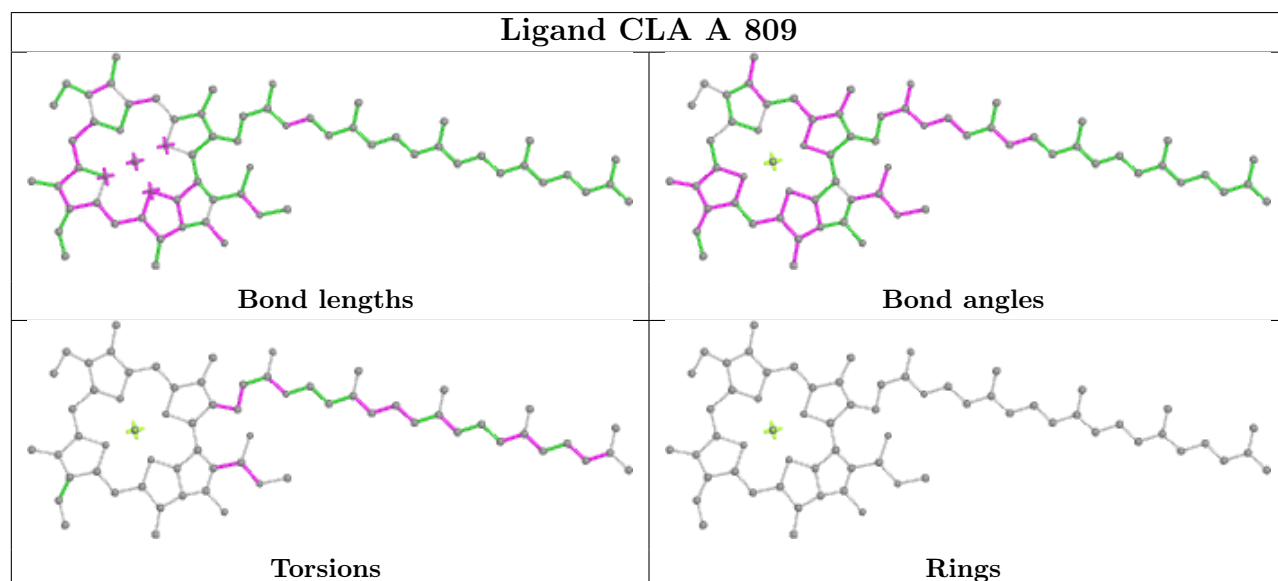
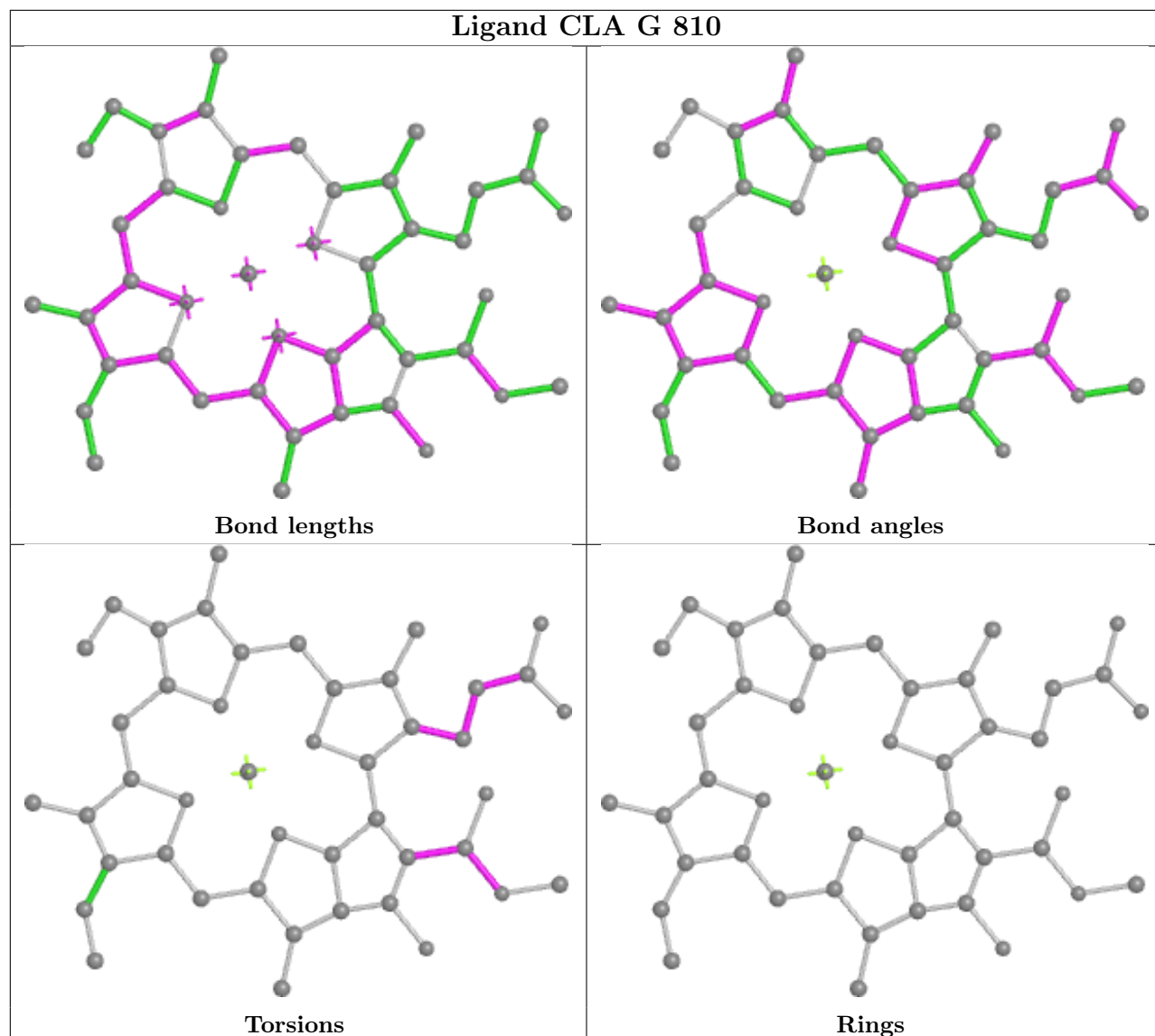


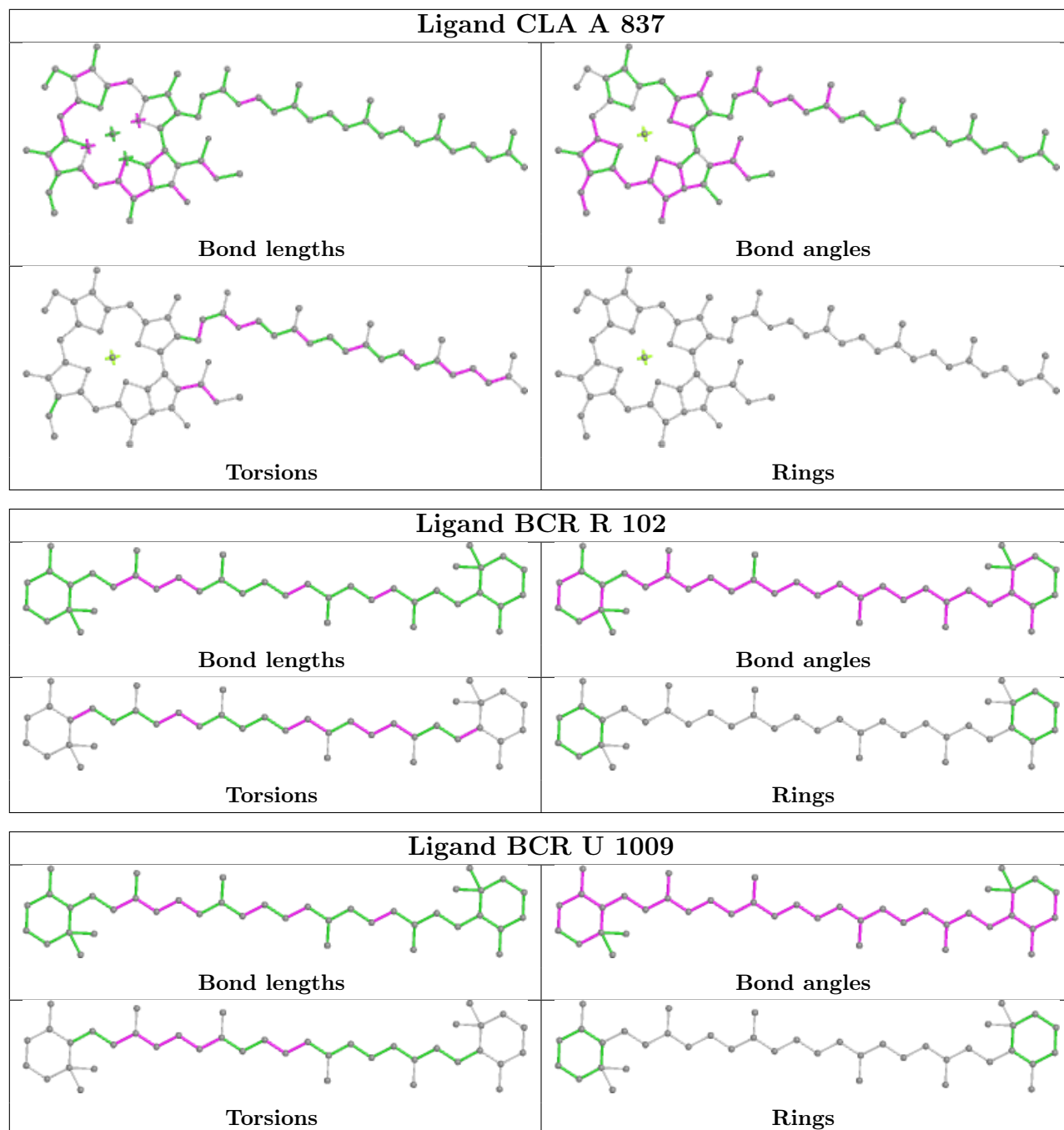


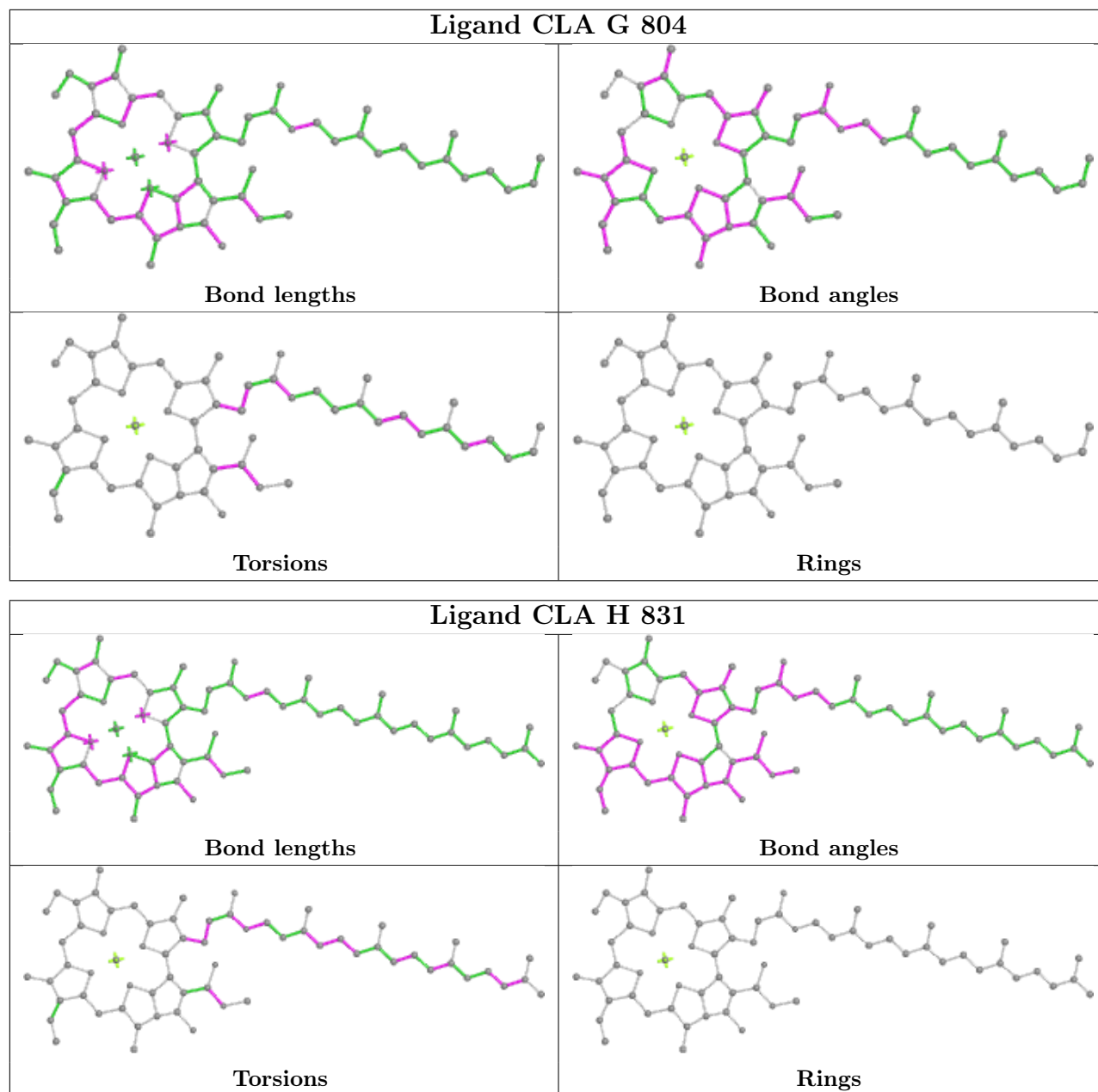




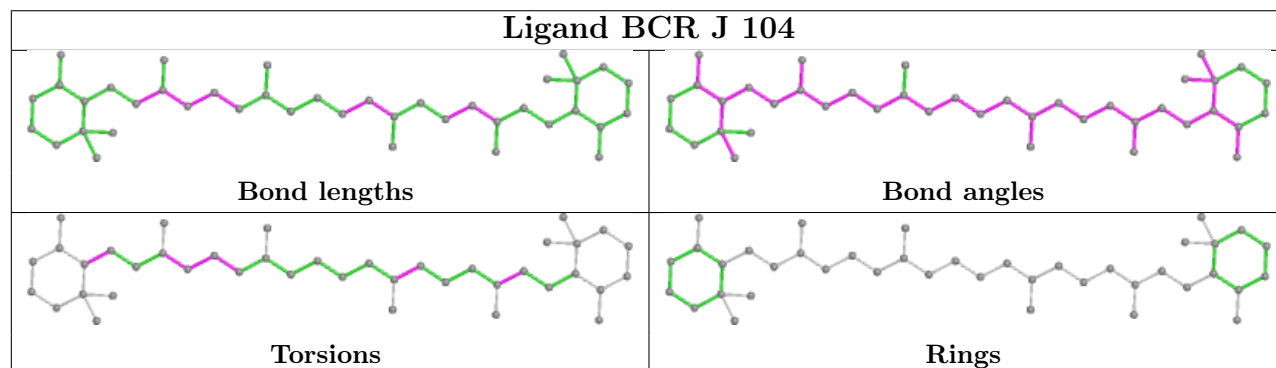
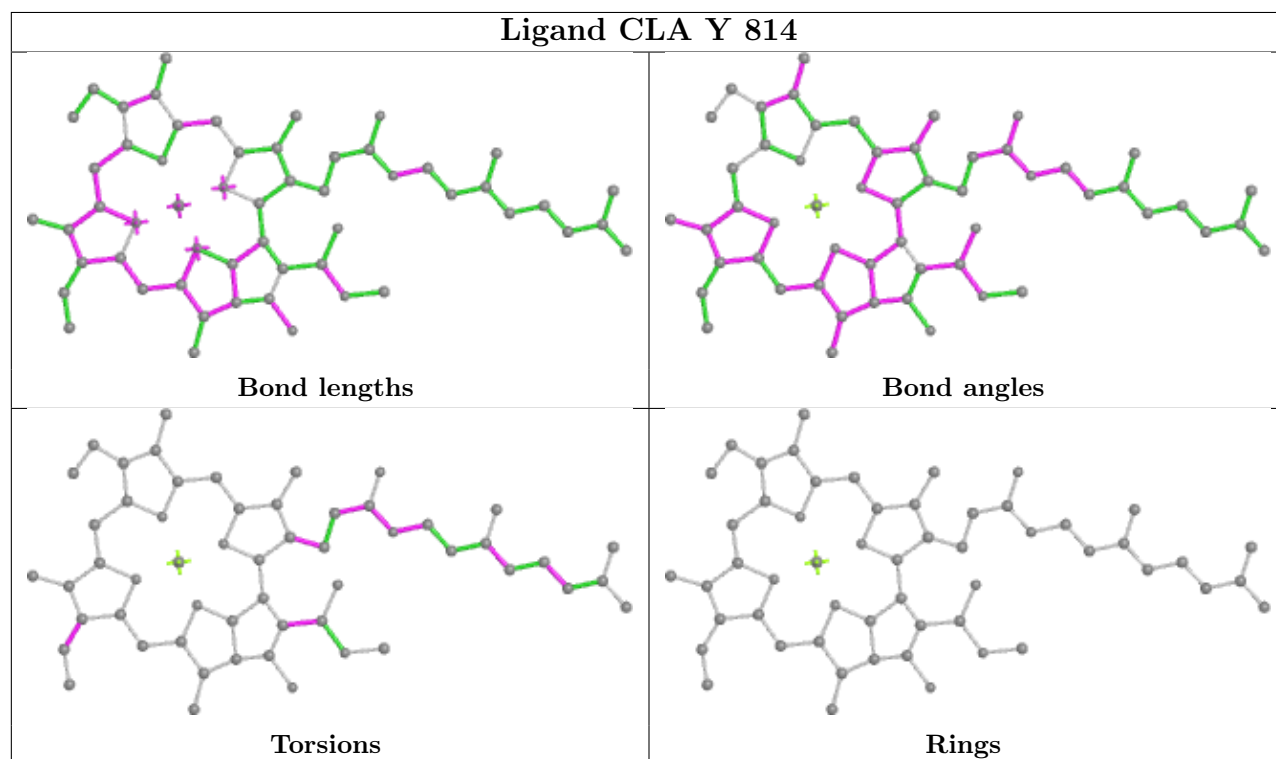
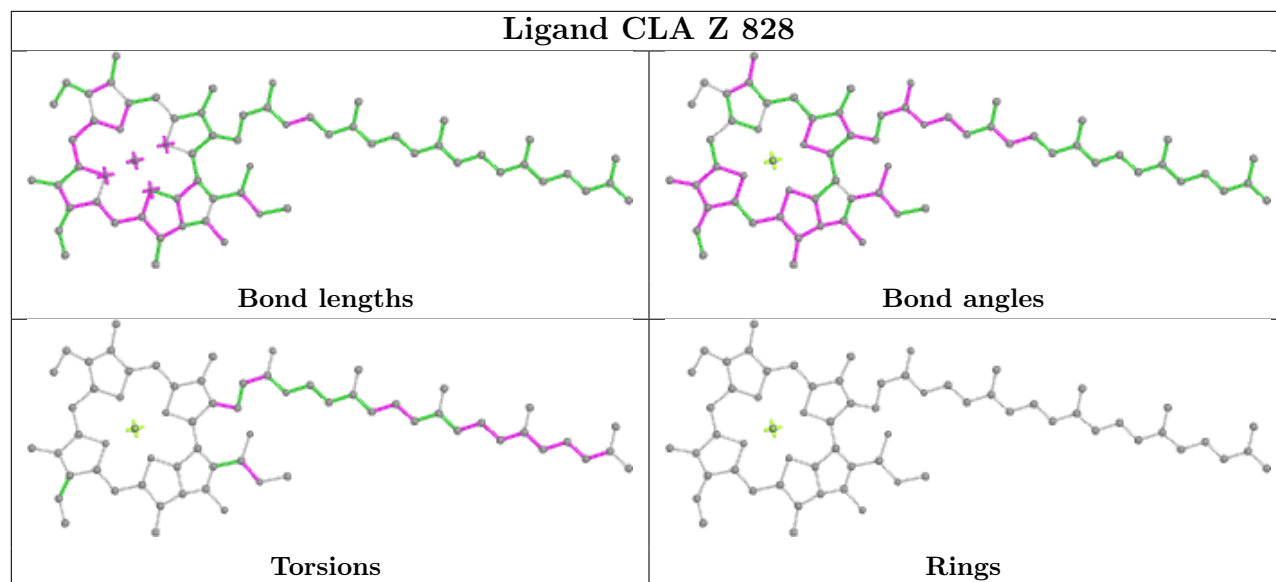


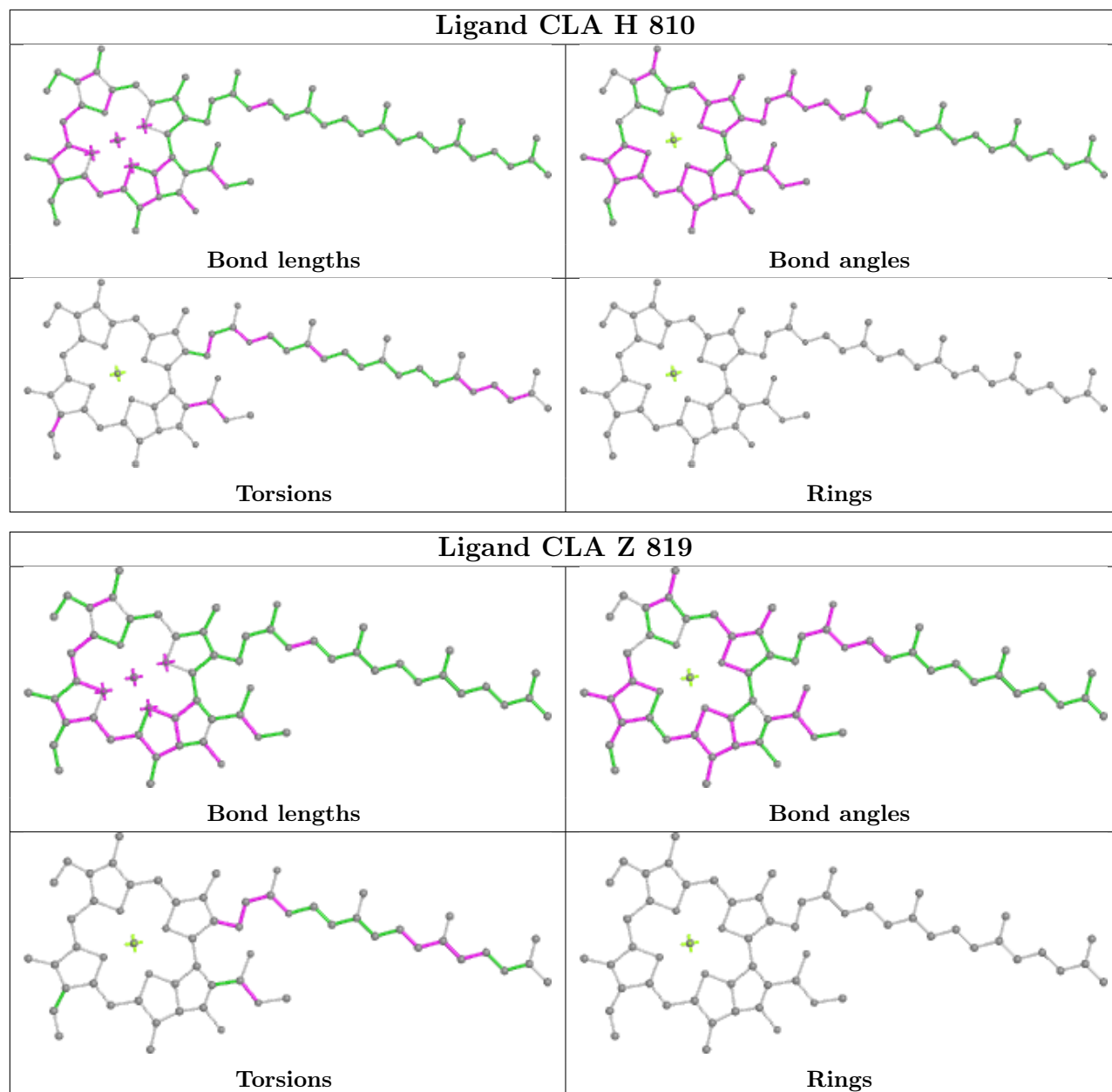




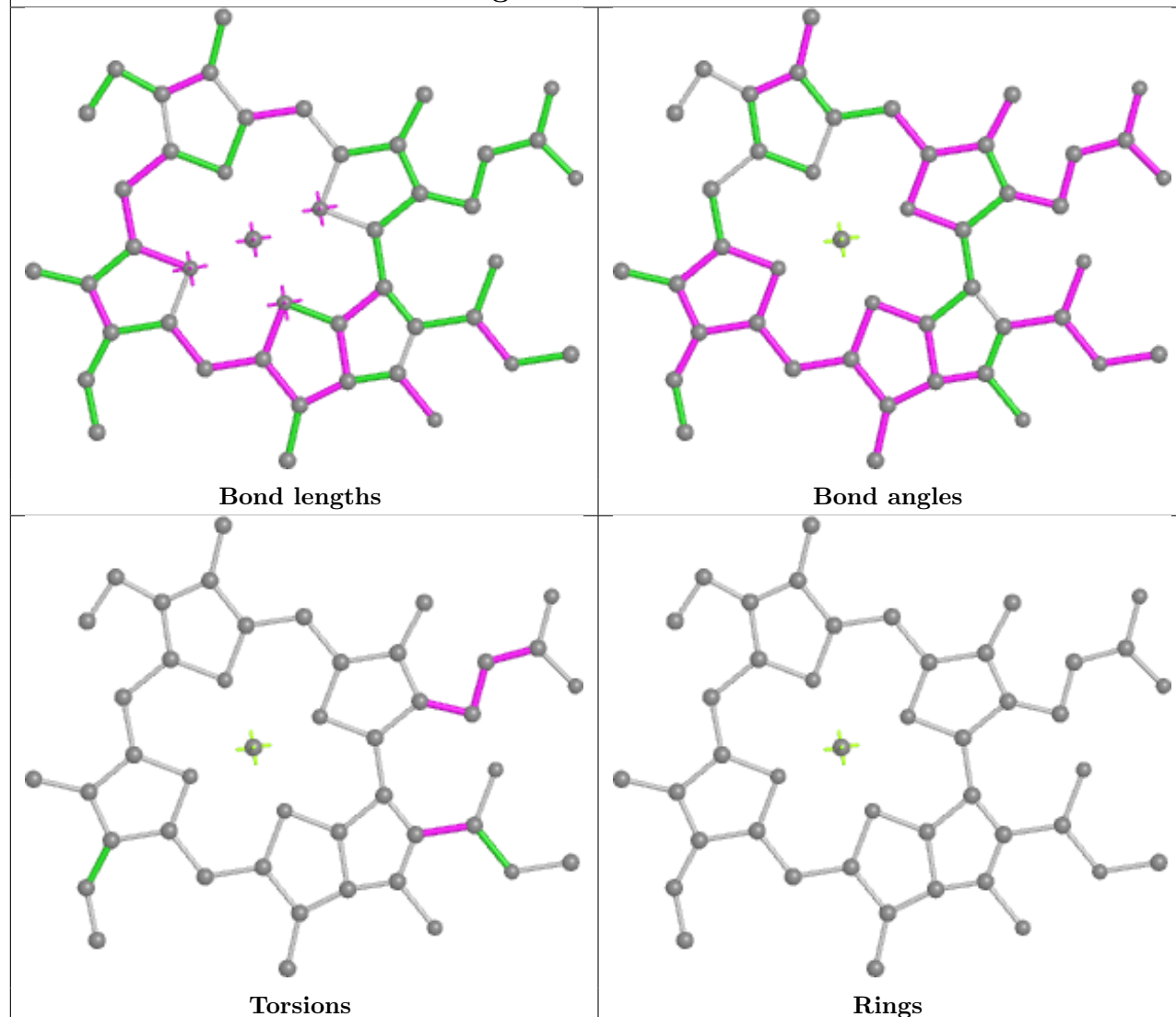




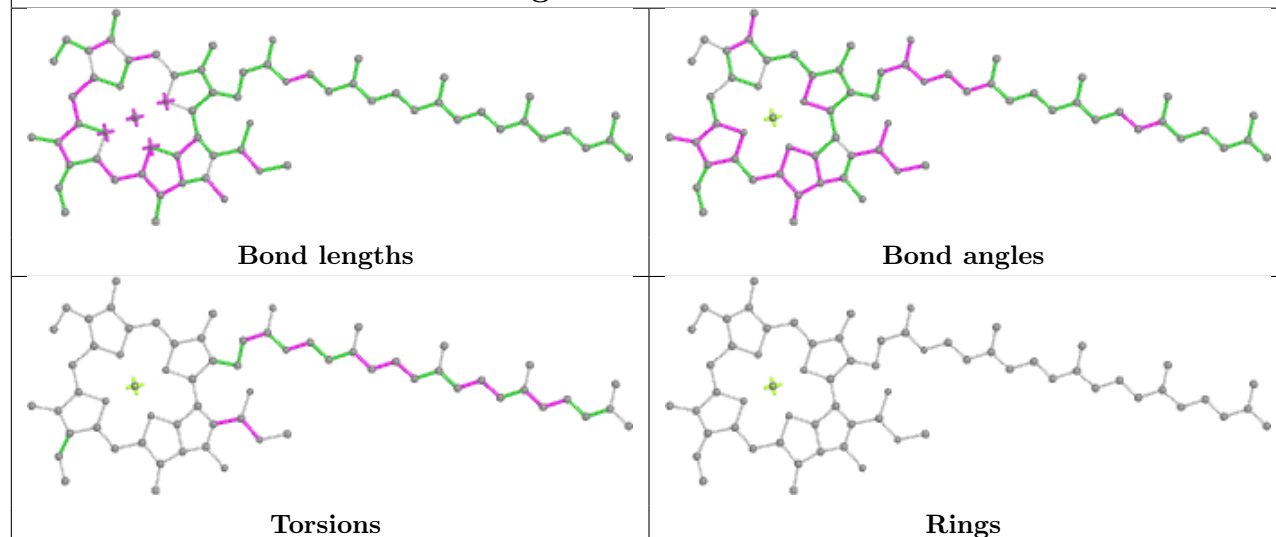


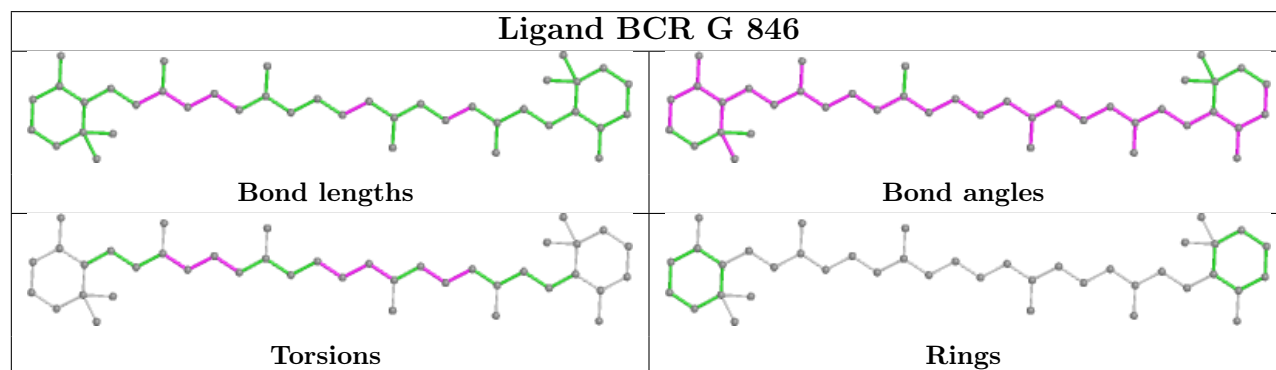
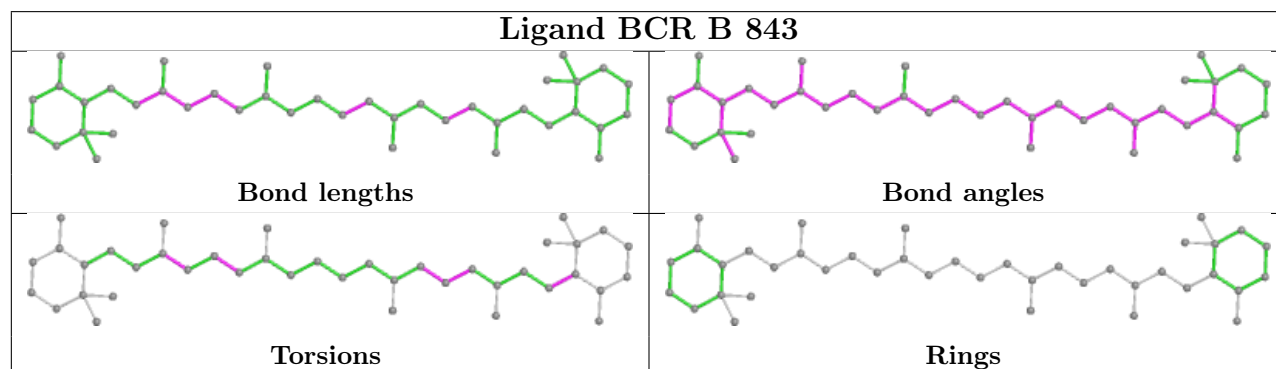
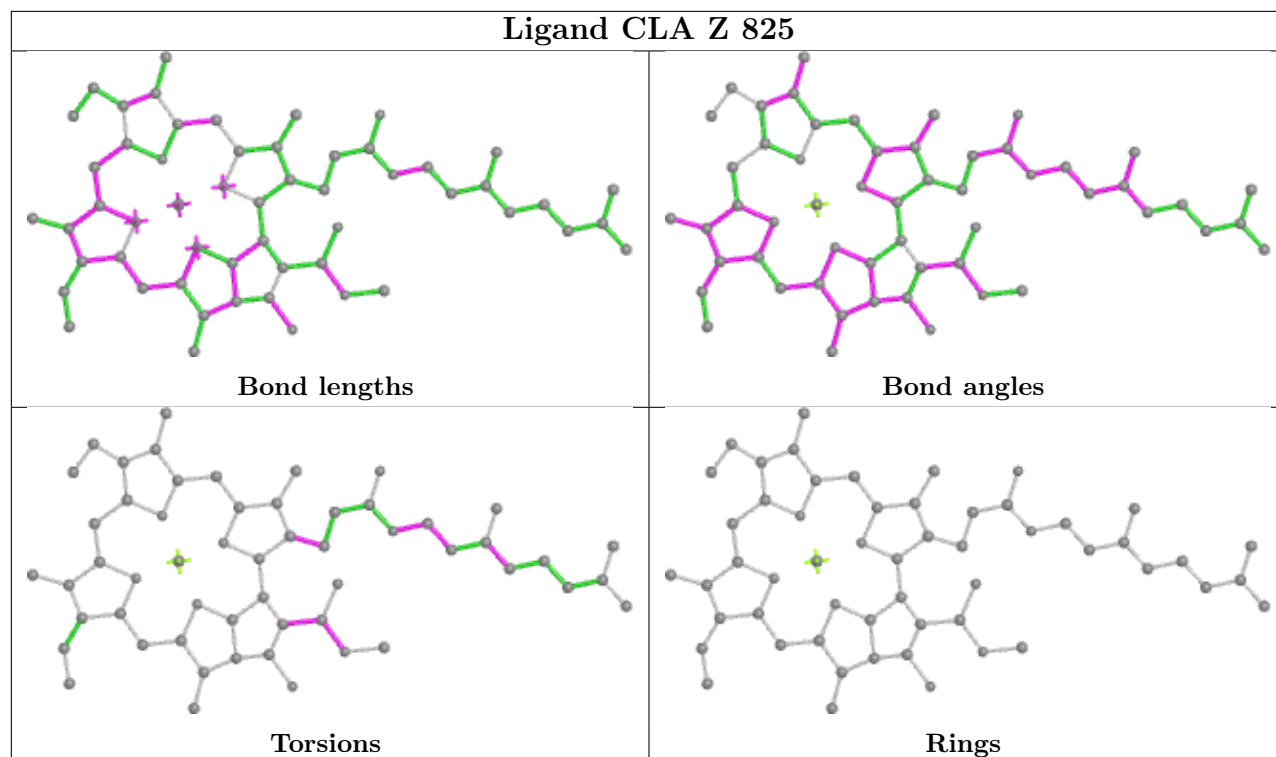


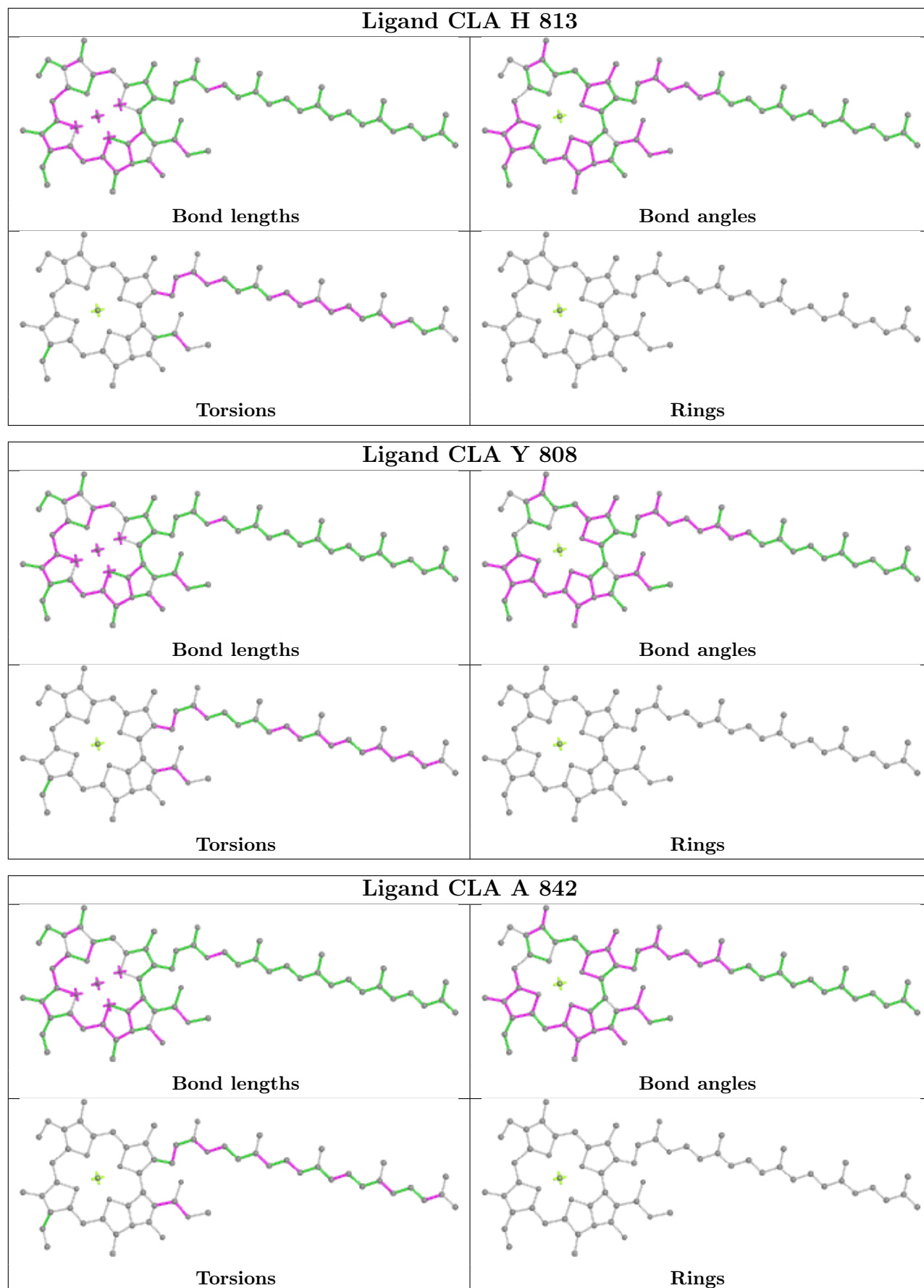
## Ligand CLA Z 821



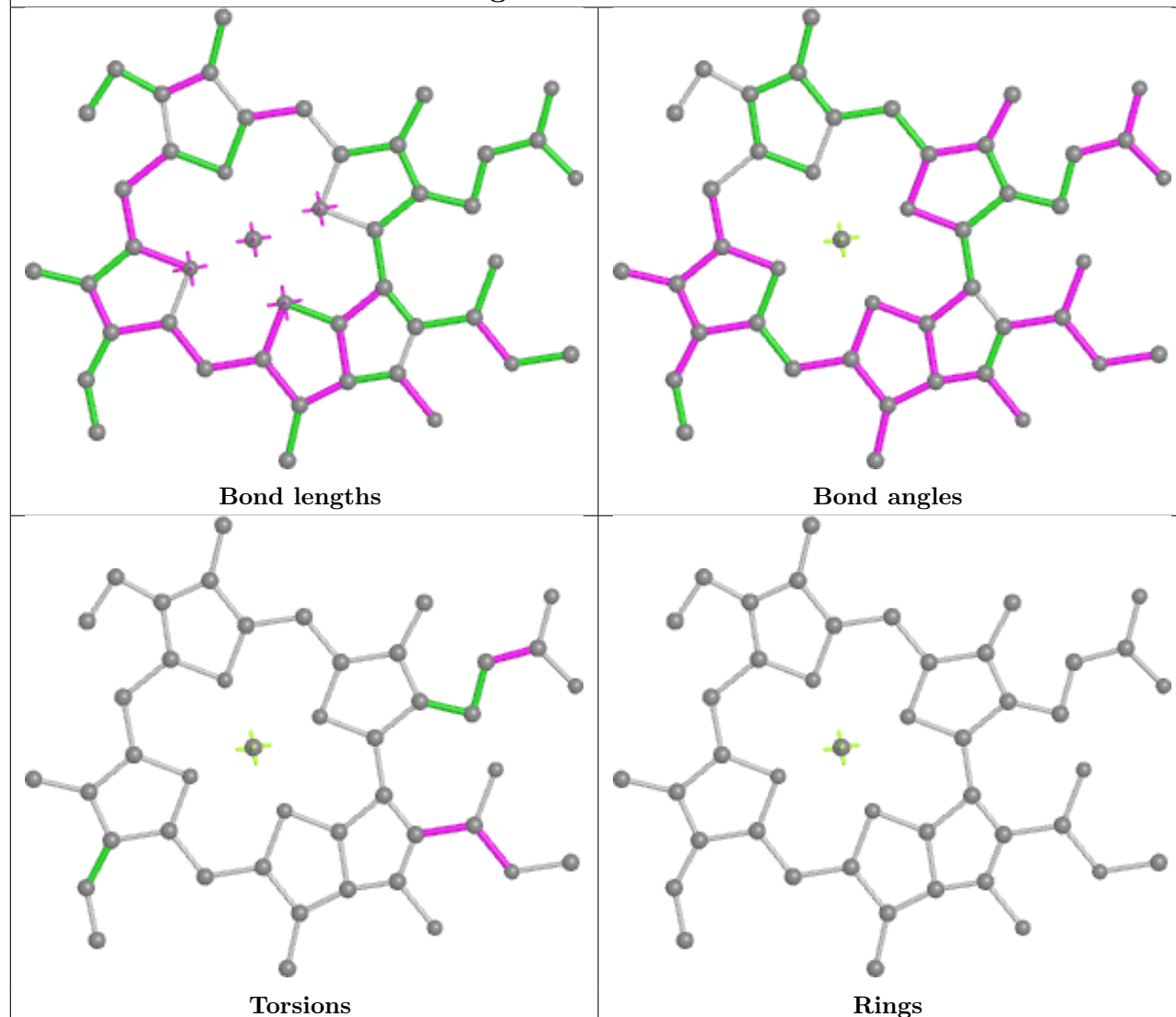
## Ligand CLA A 810



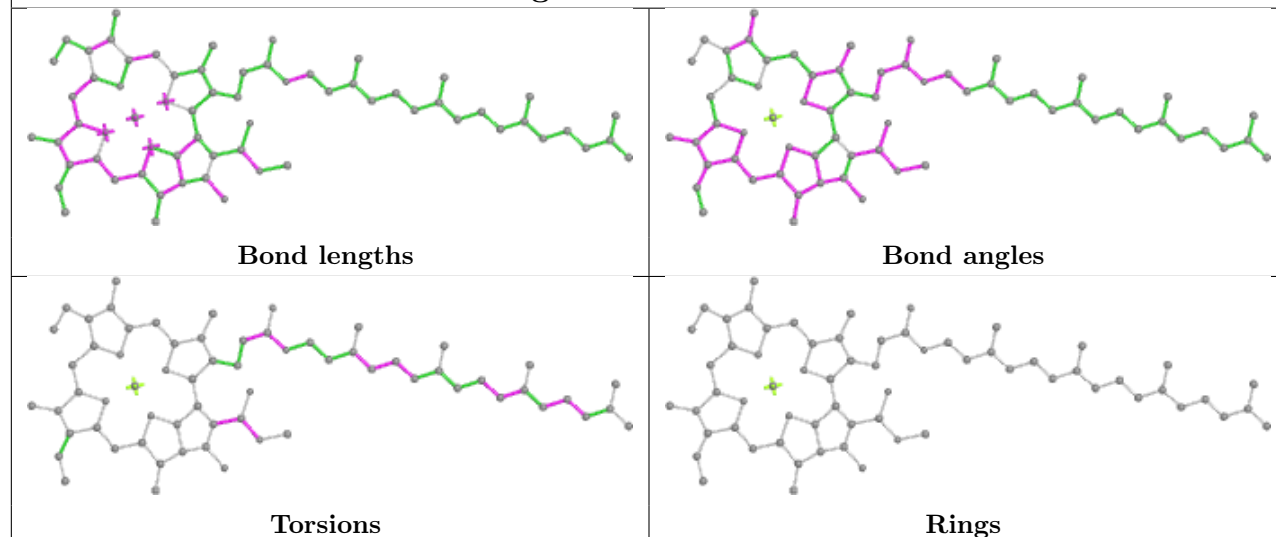


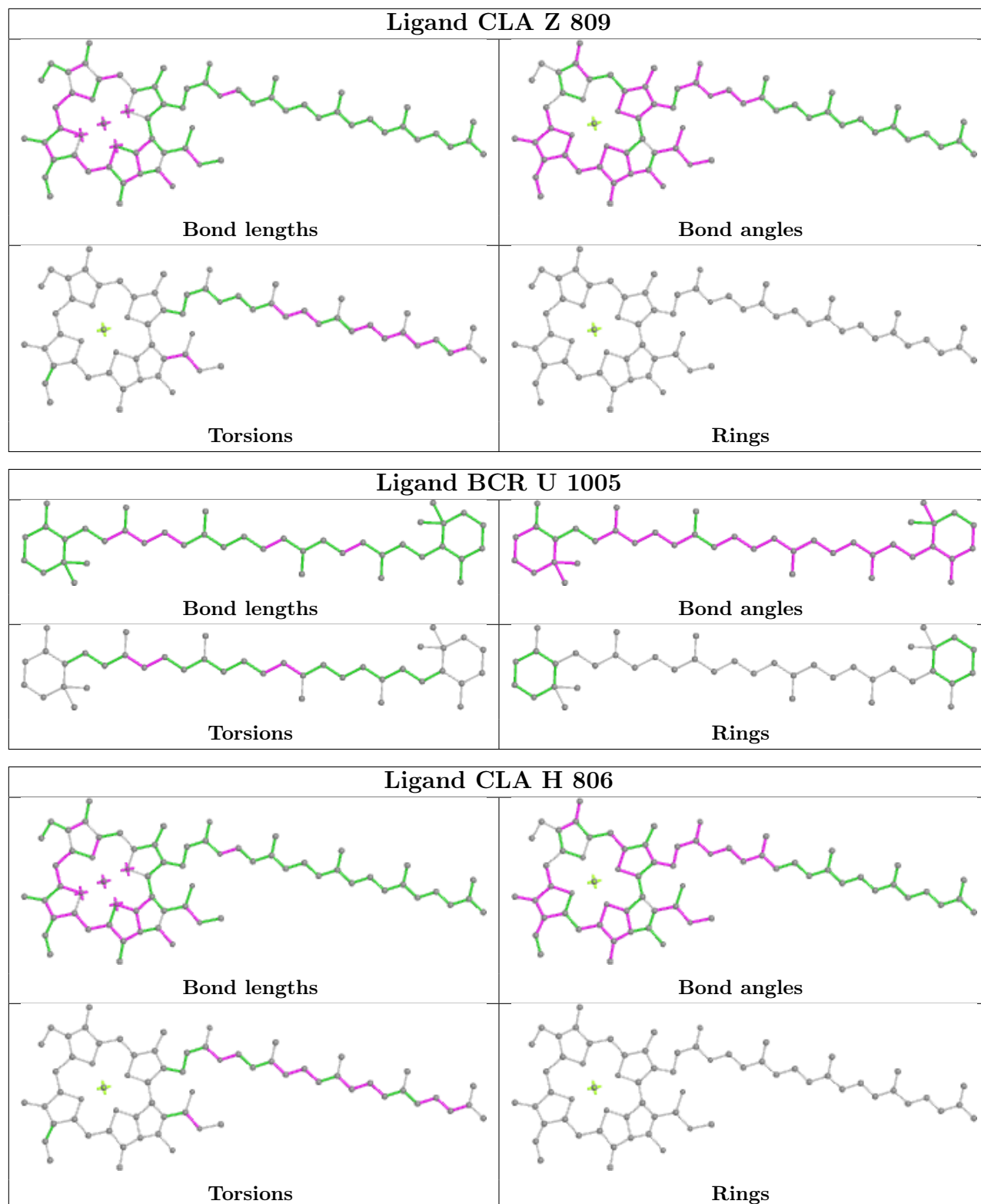


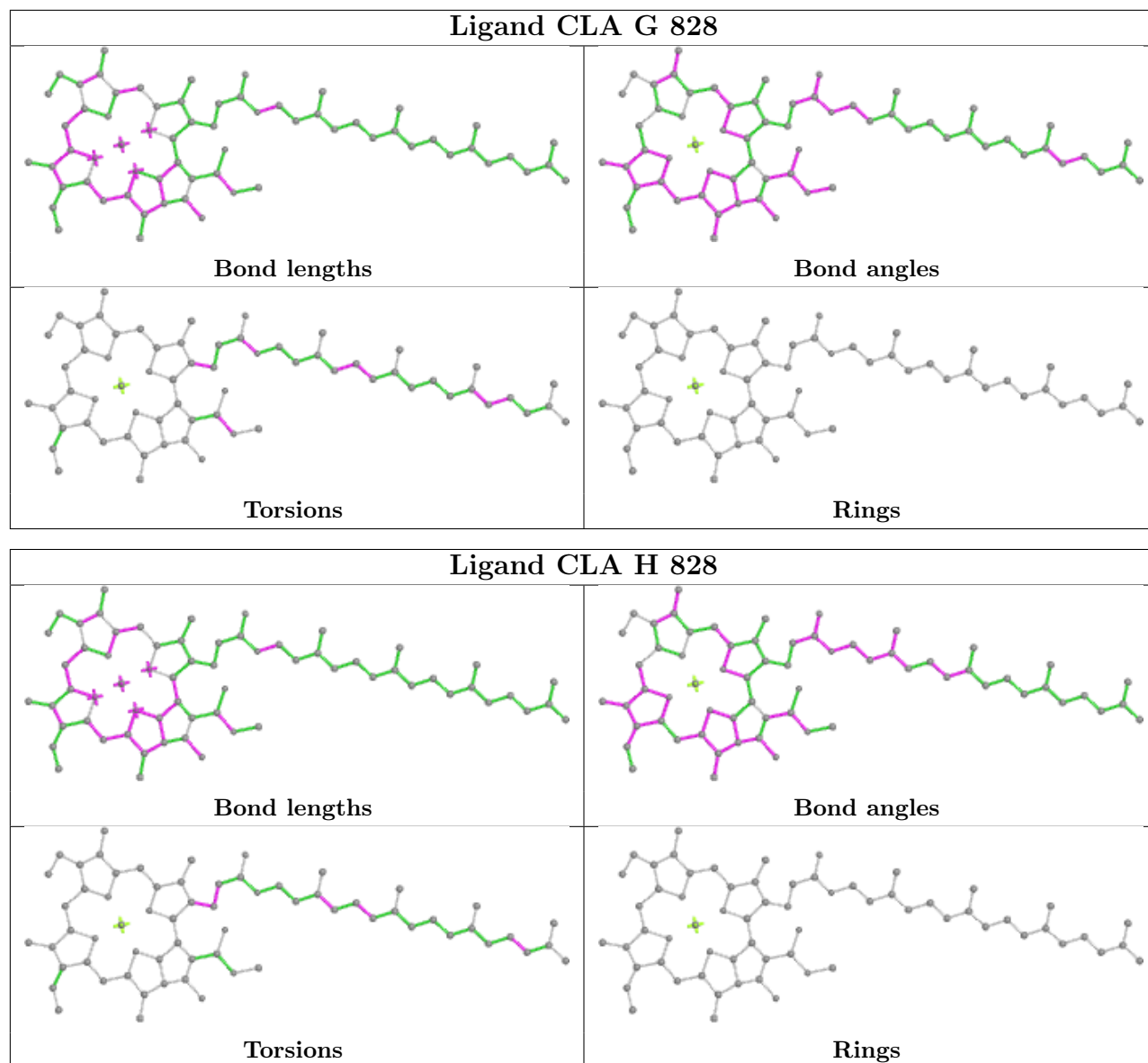
## Ligand CLA A 811



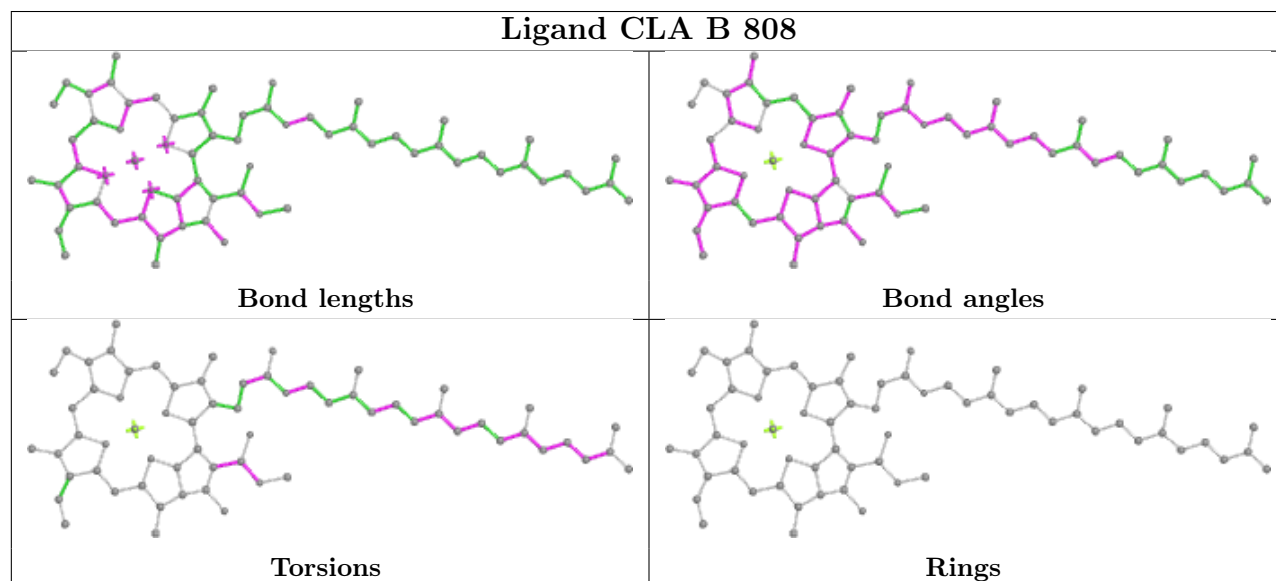
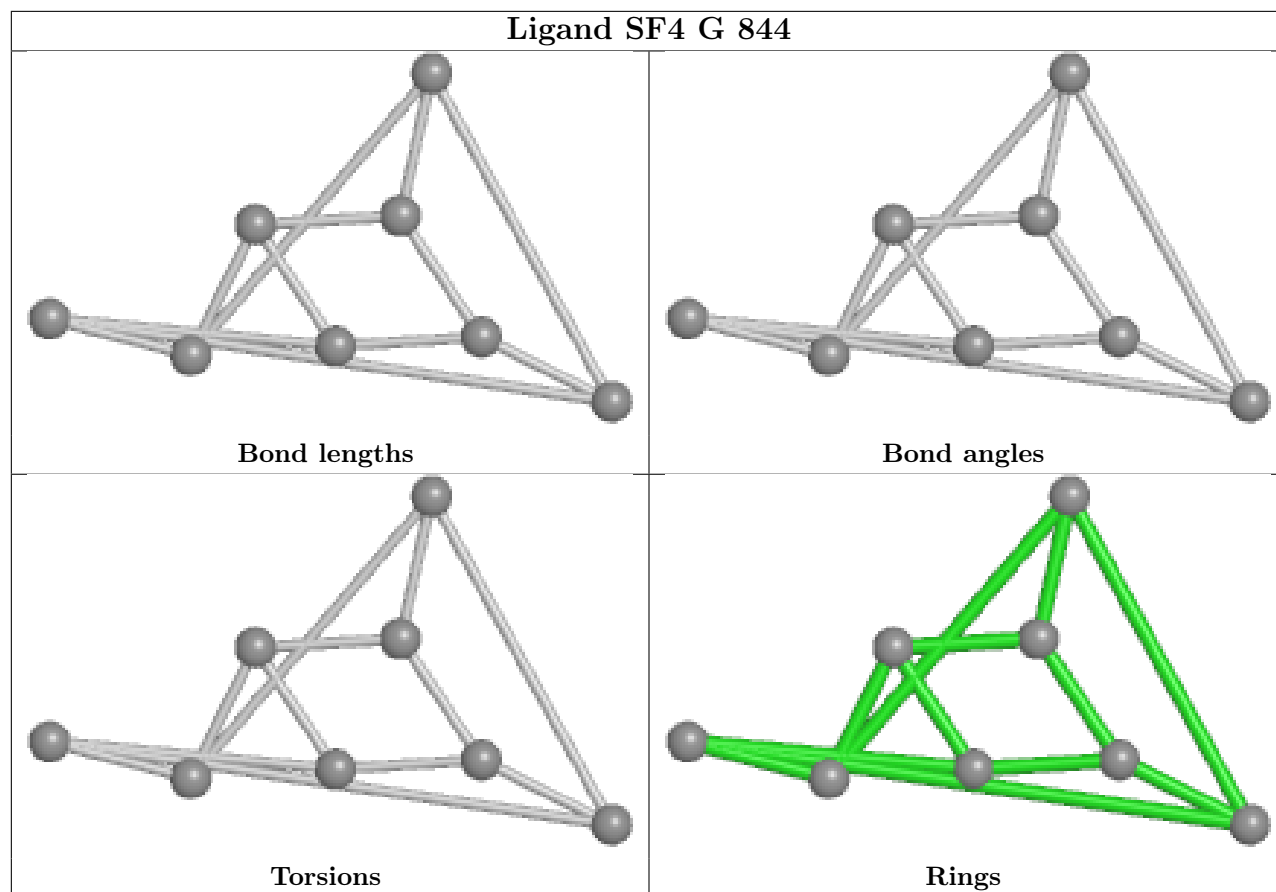
## Ligand CLA Y 827

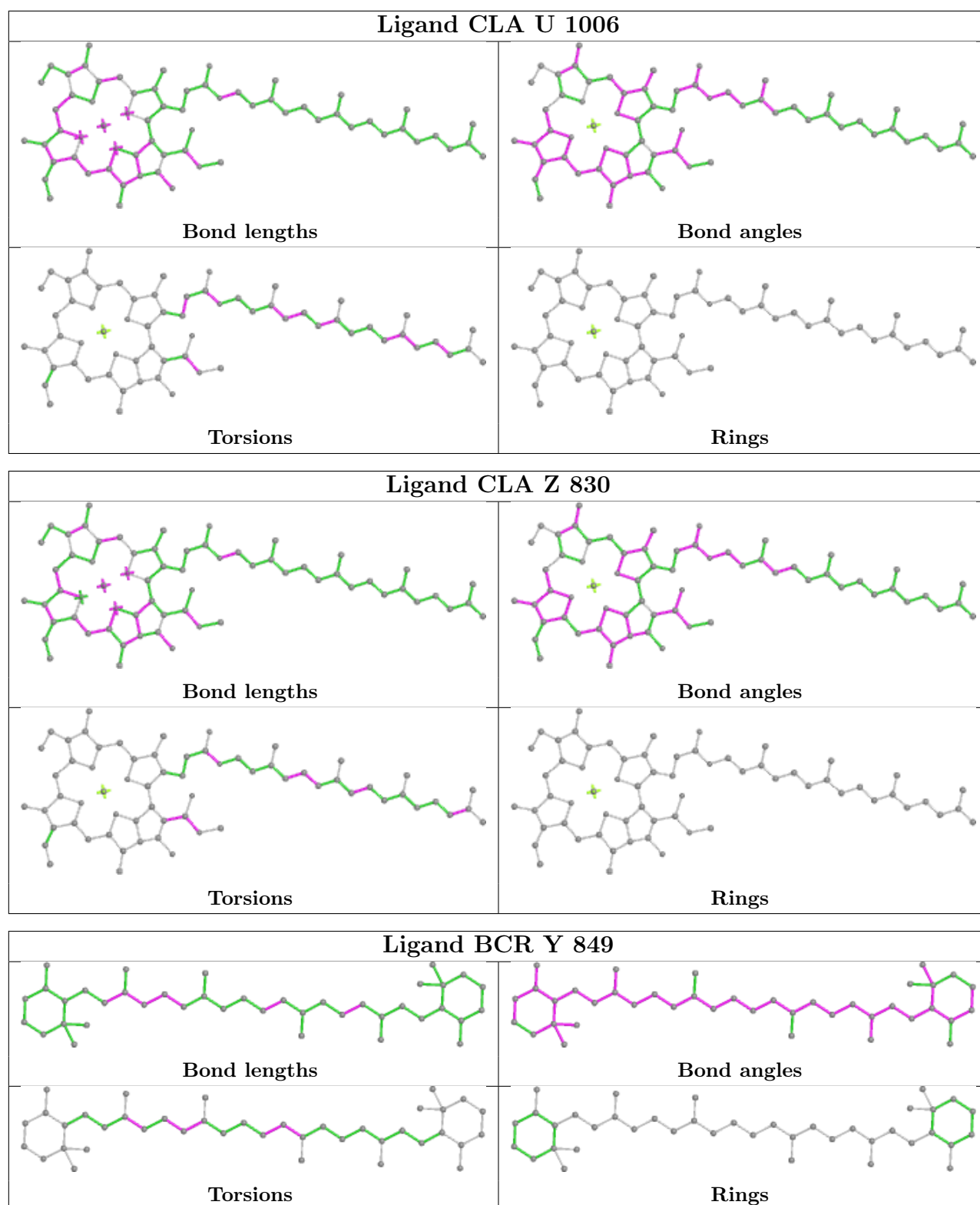


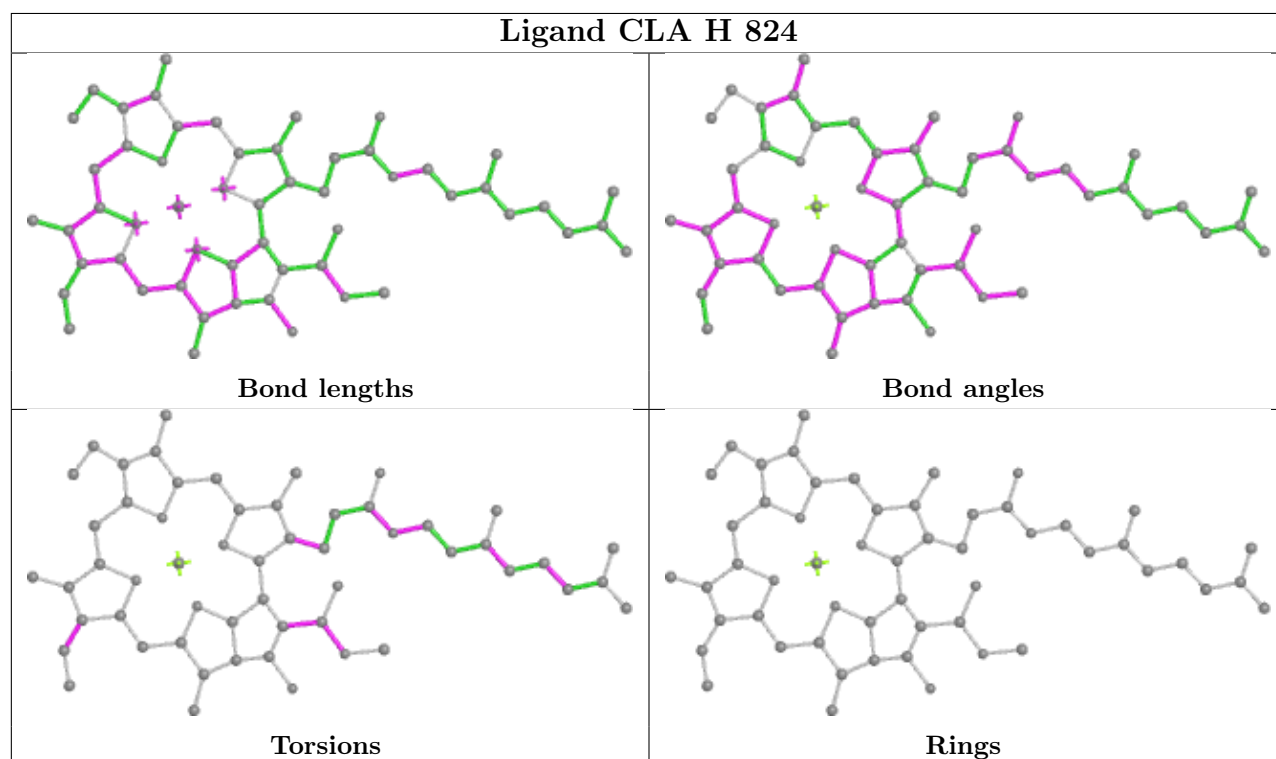
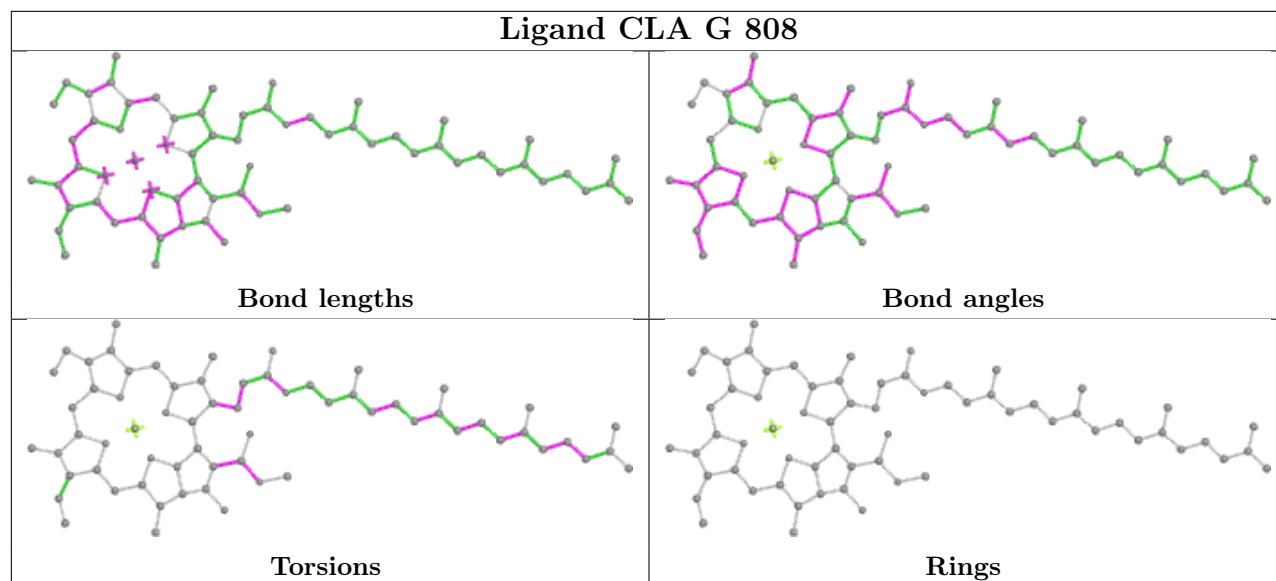
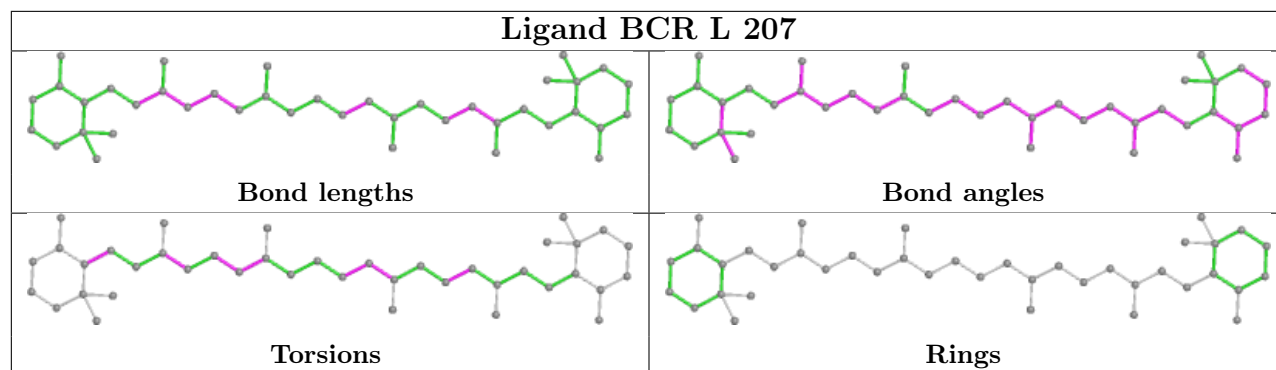


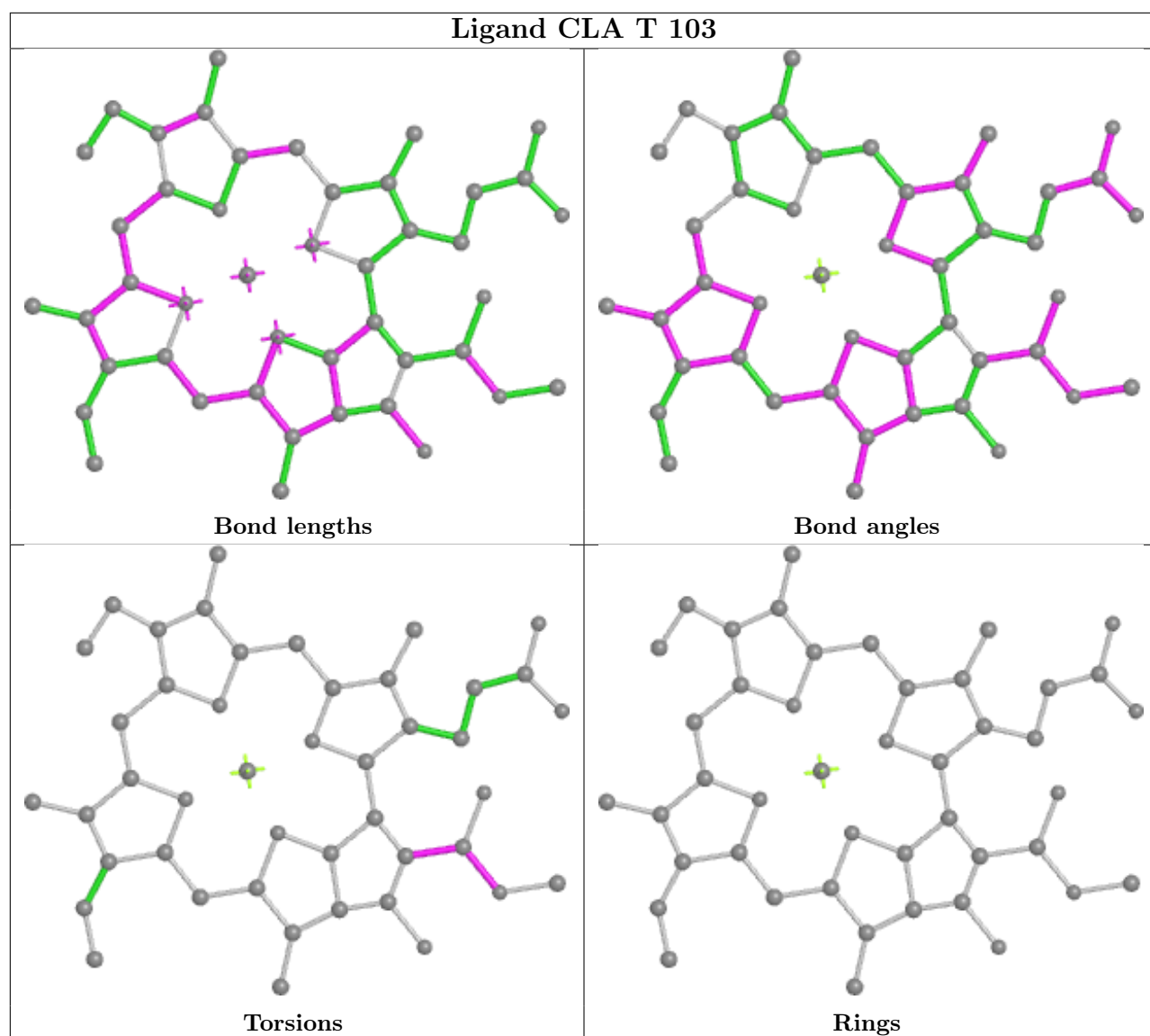


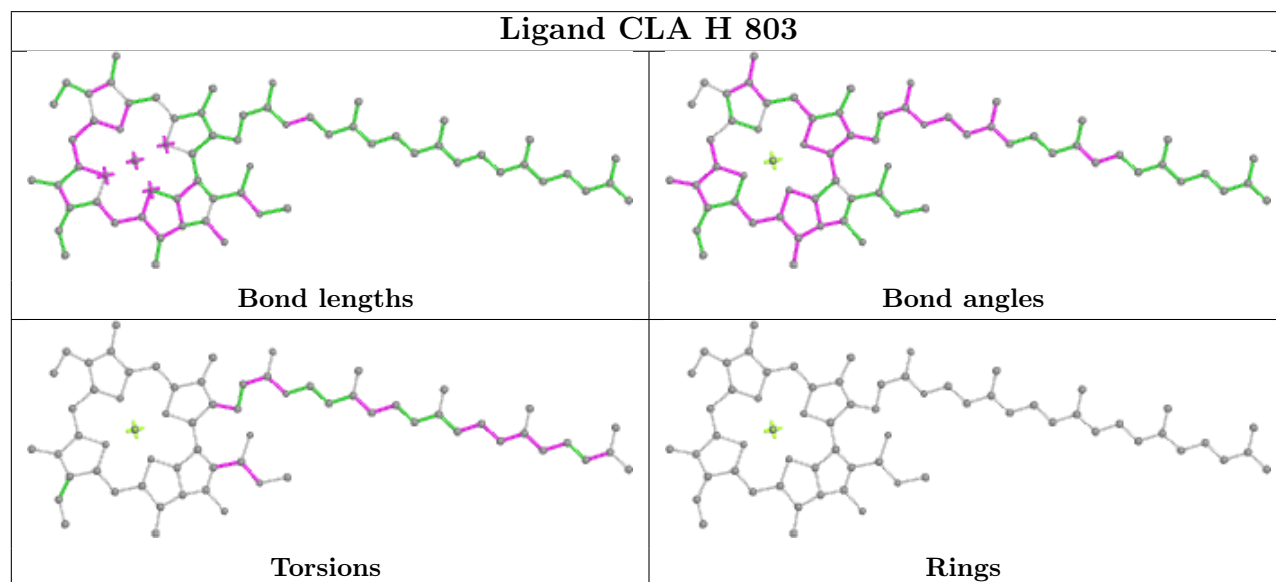
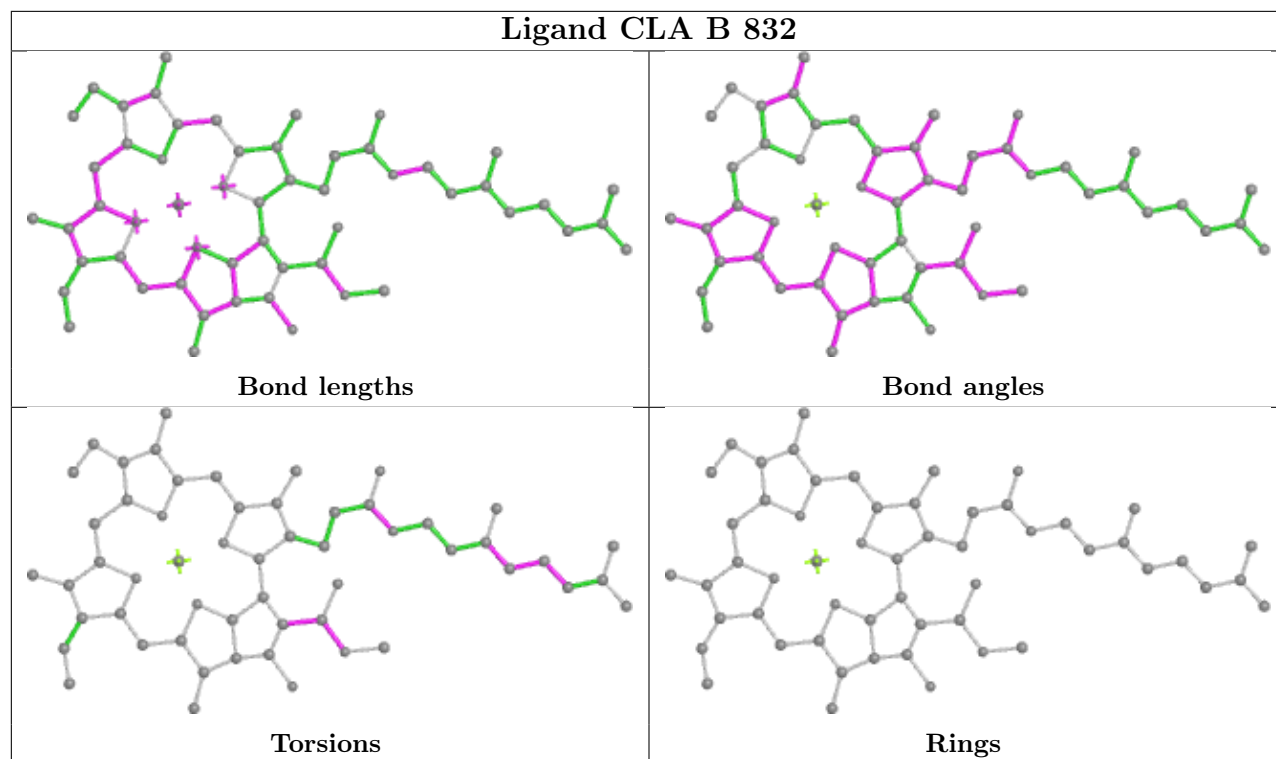


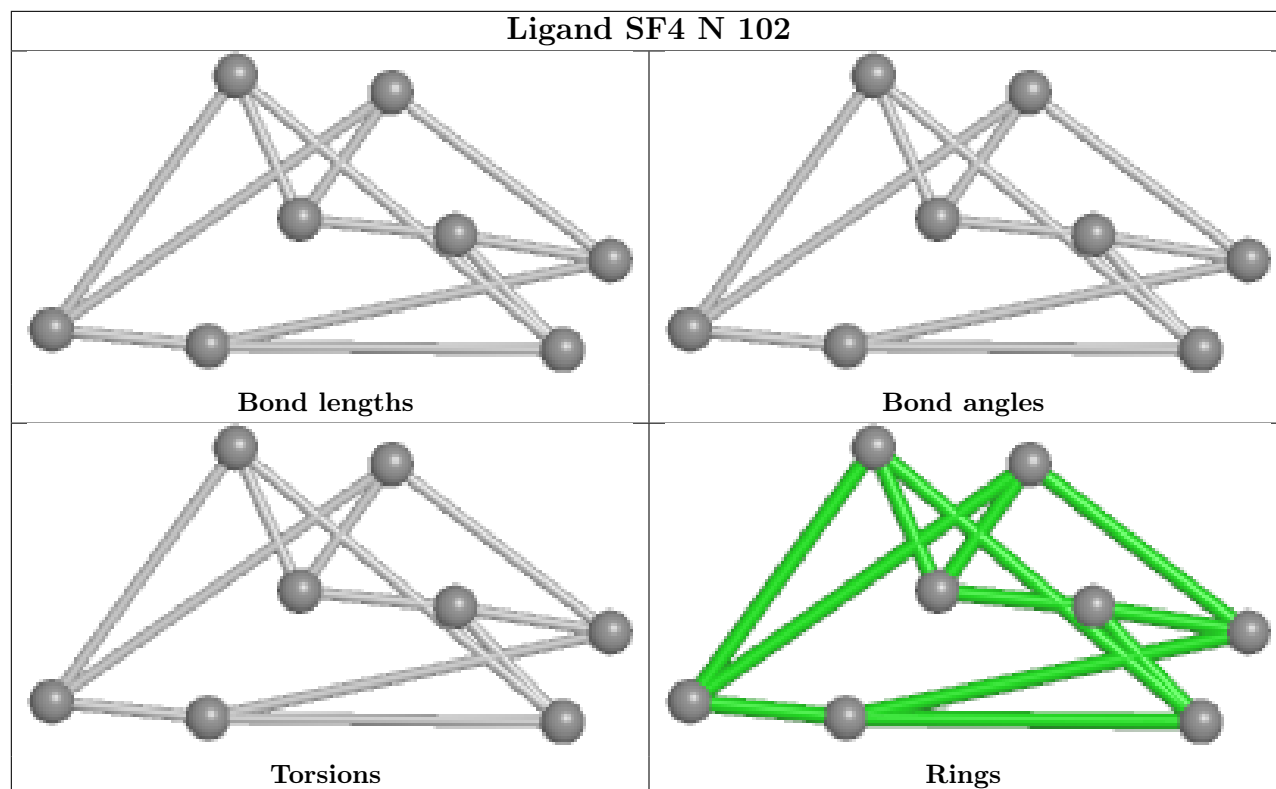


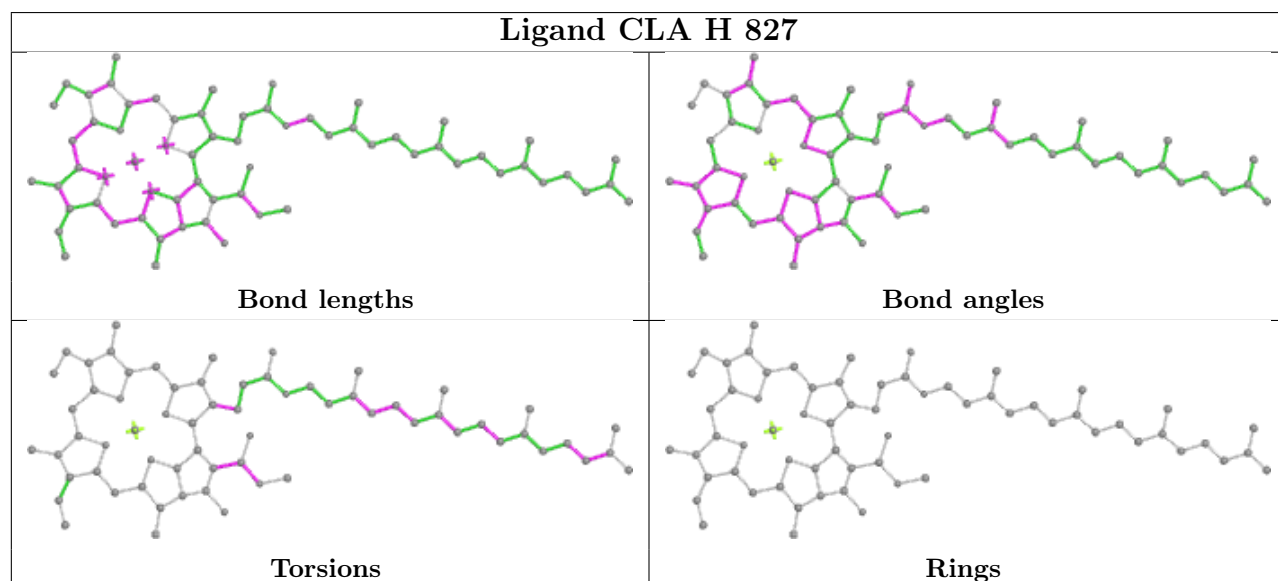
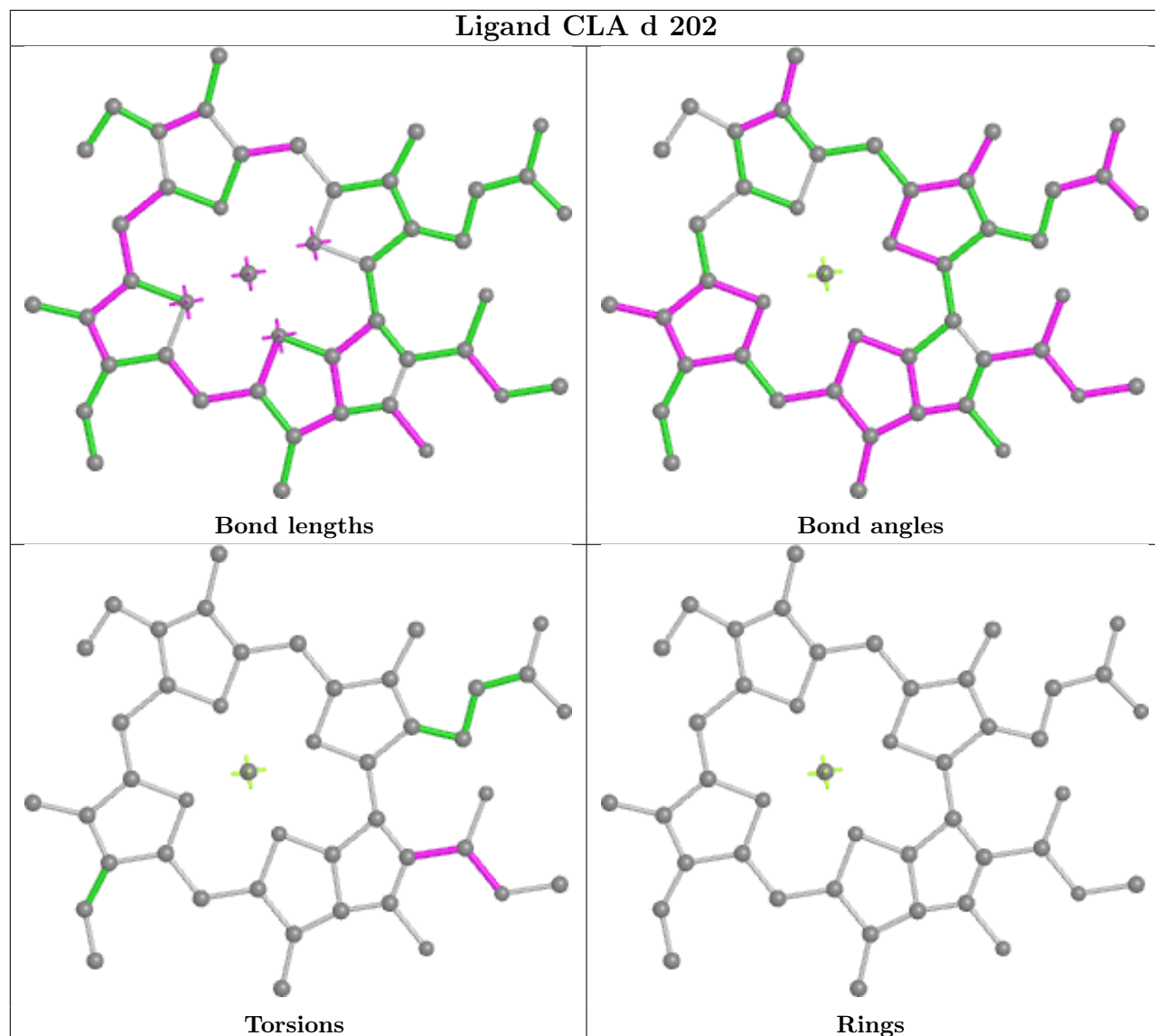


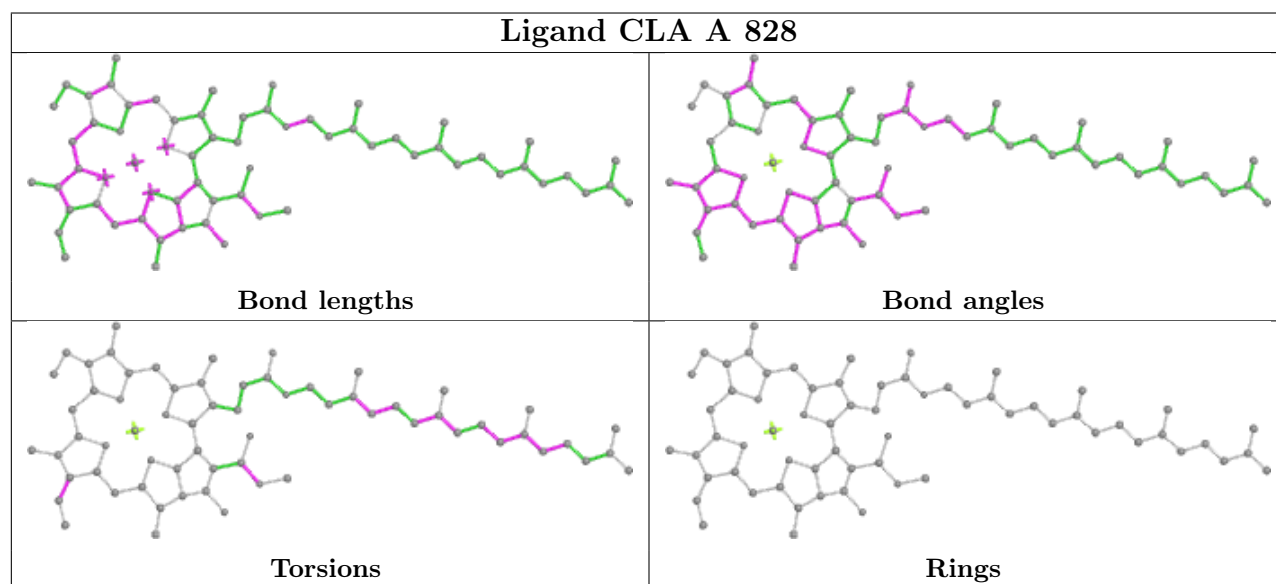
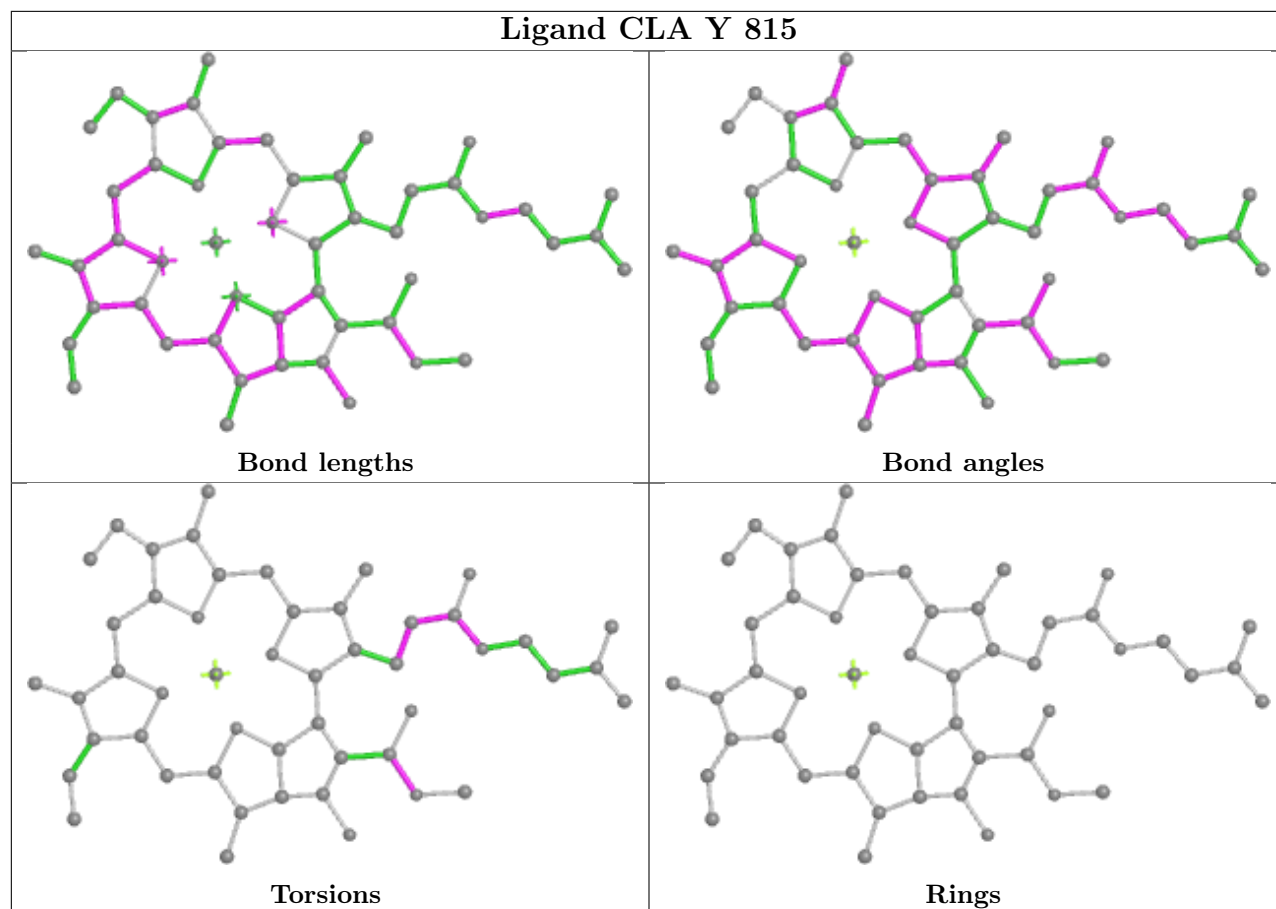




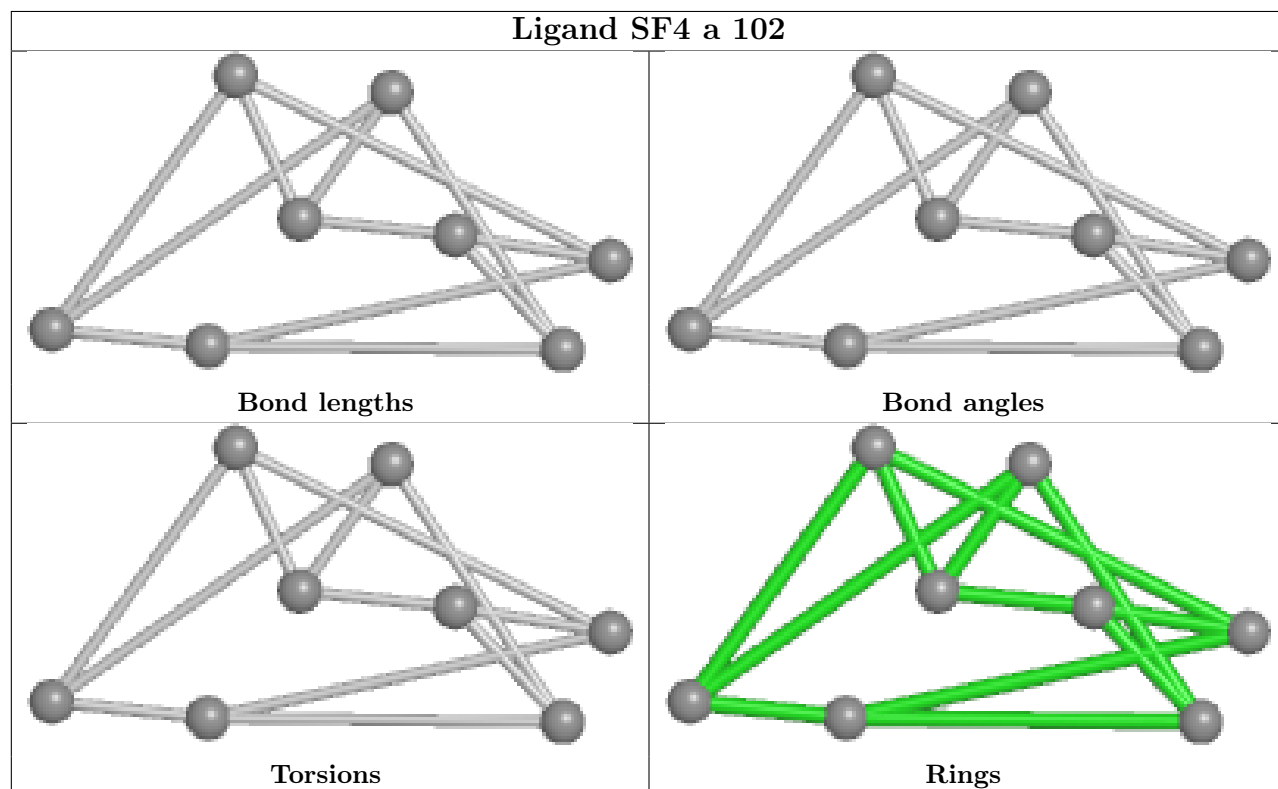
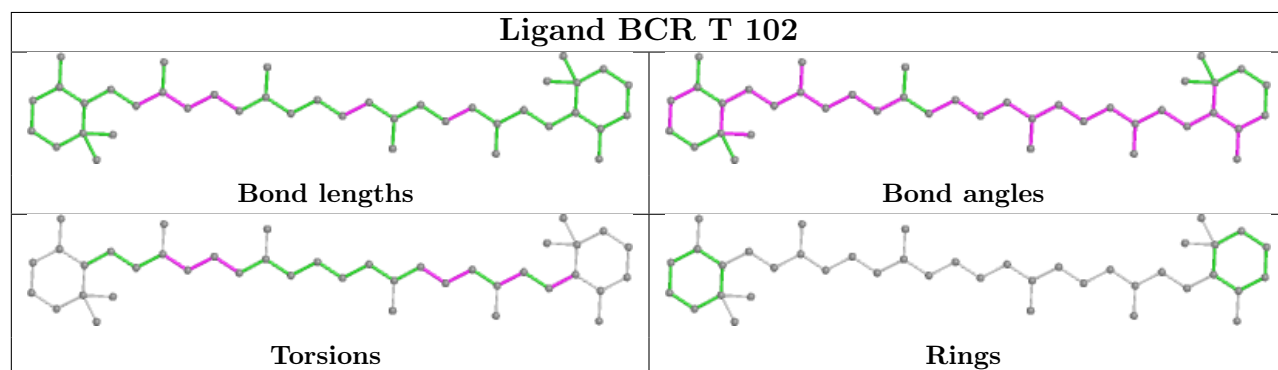
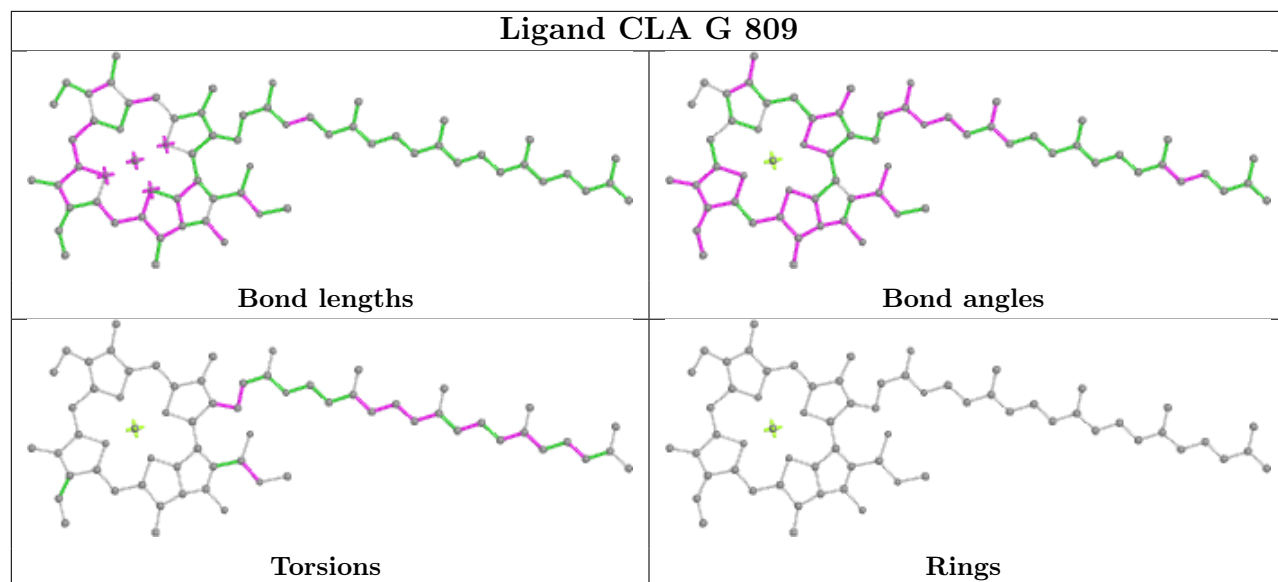


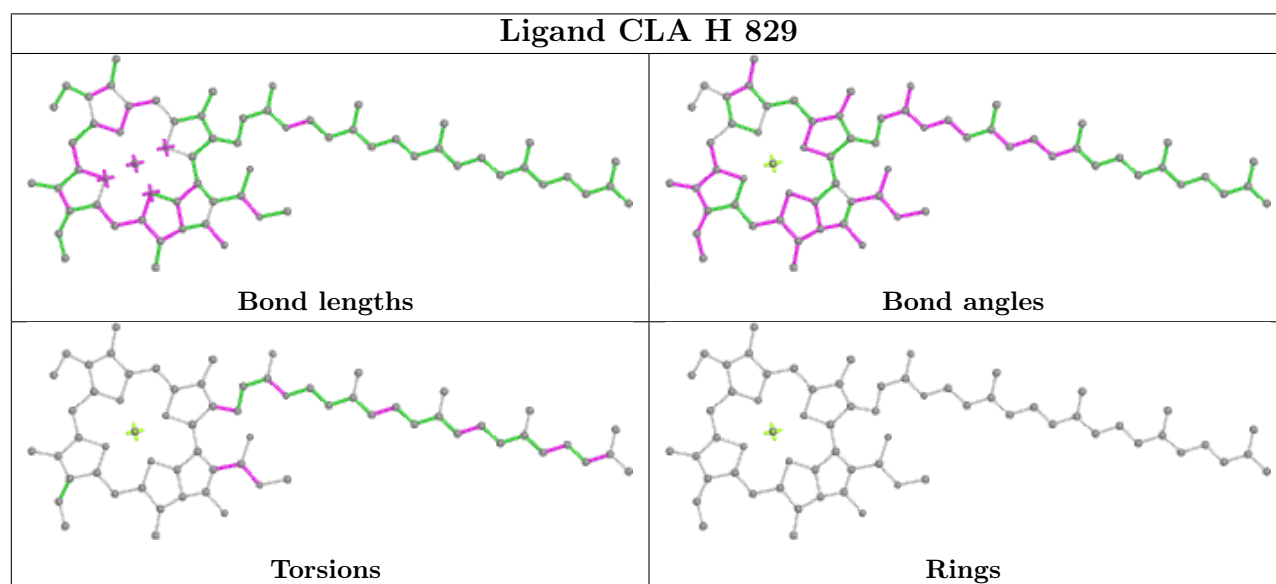
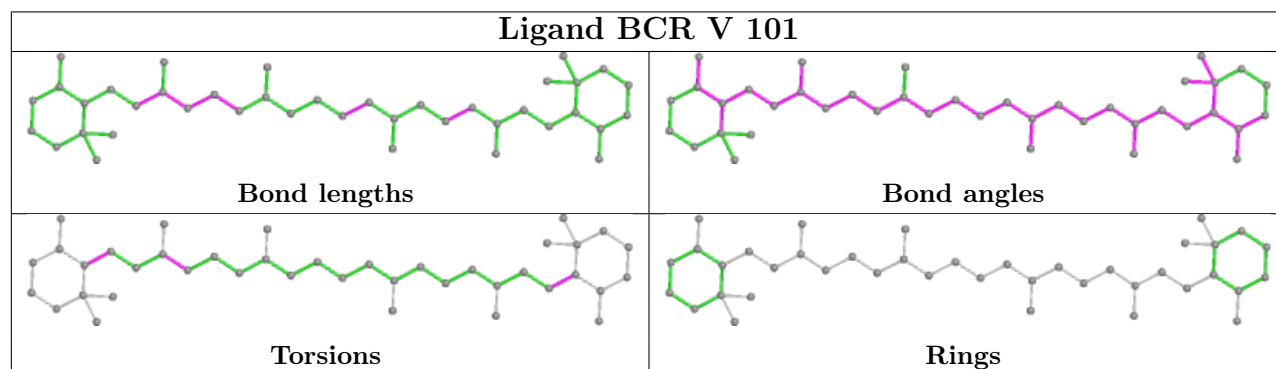
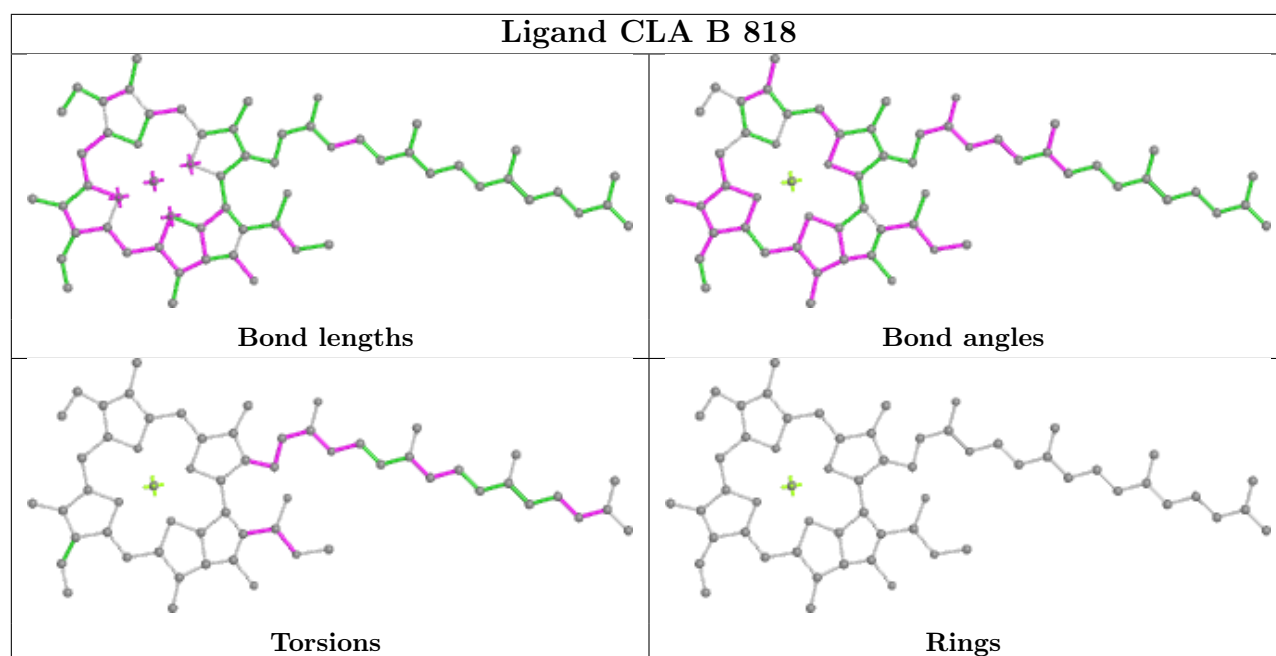


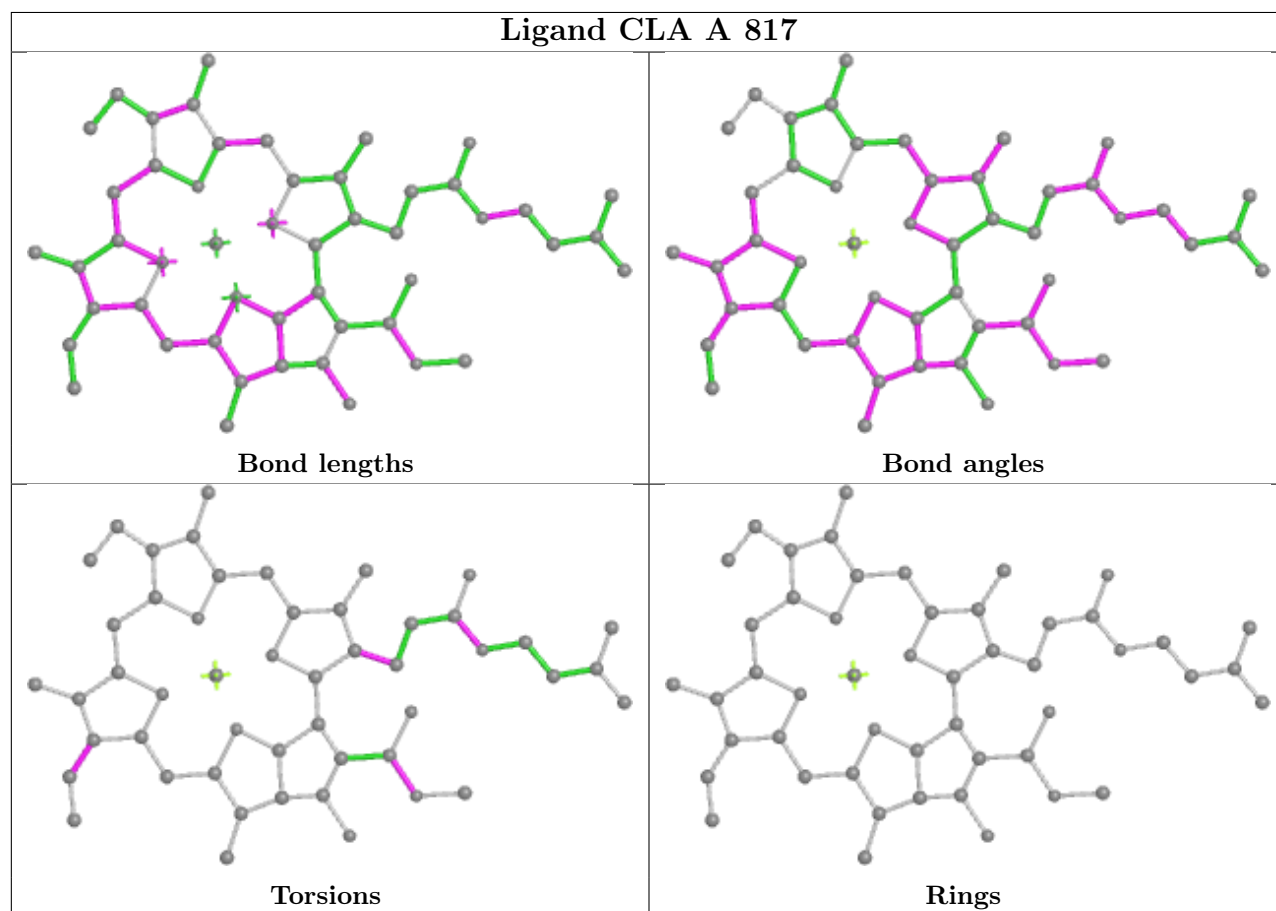
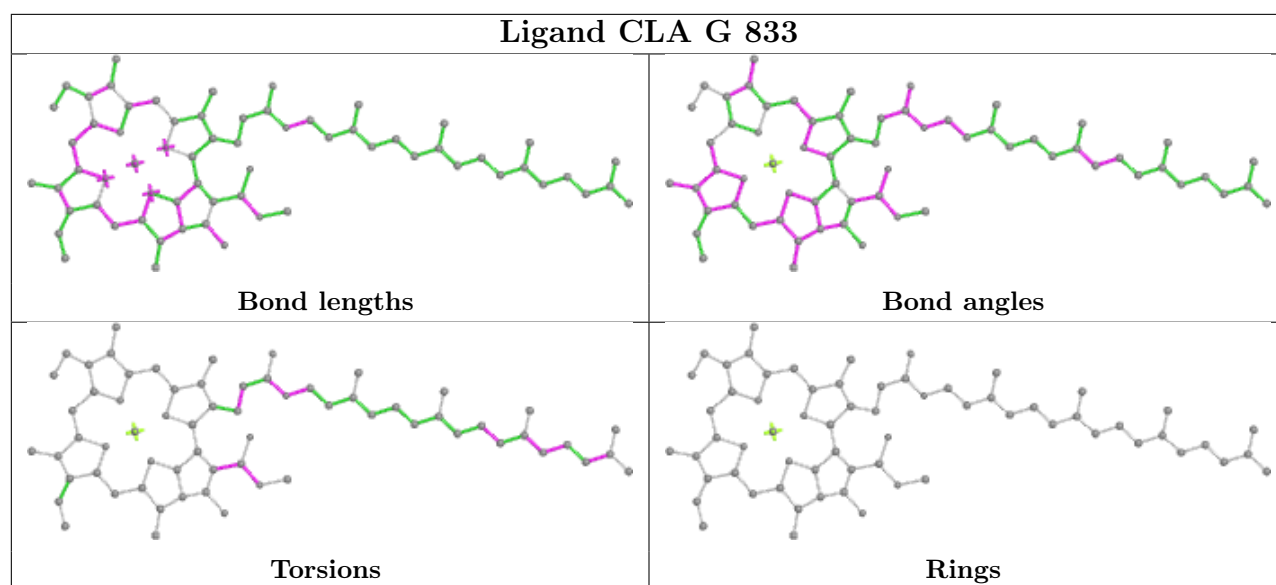


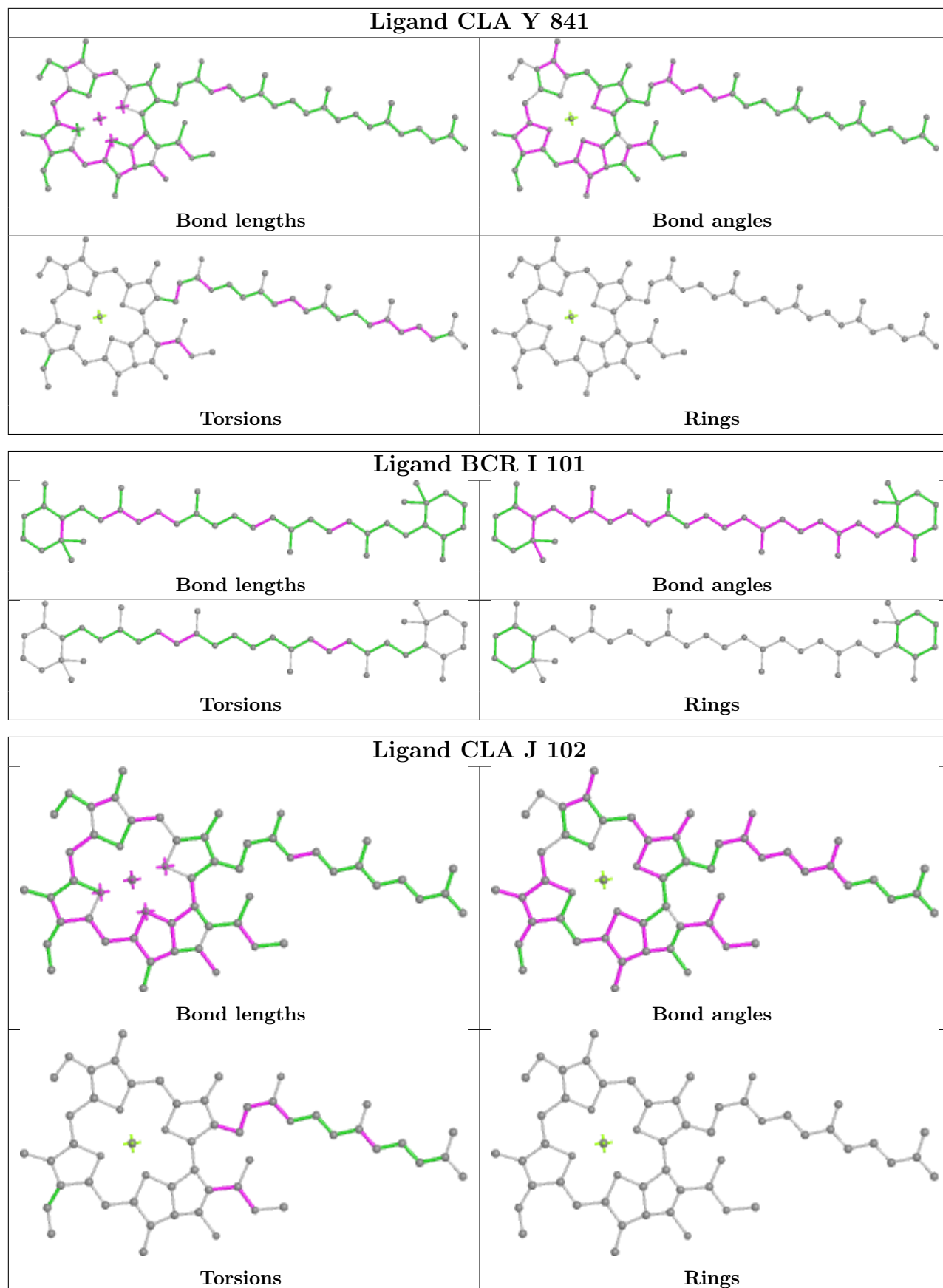


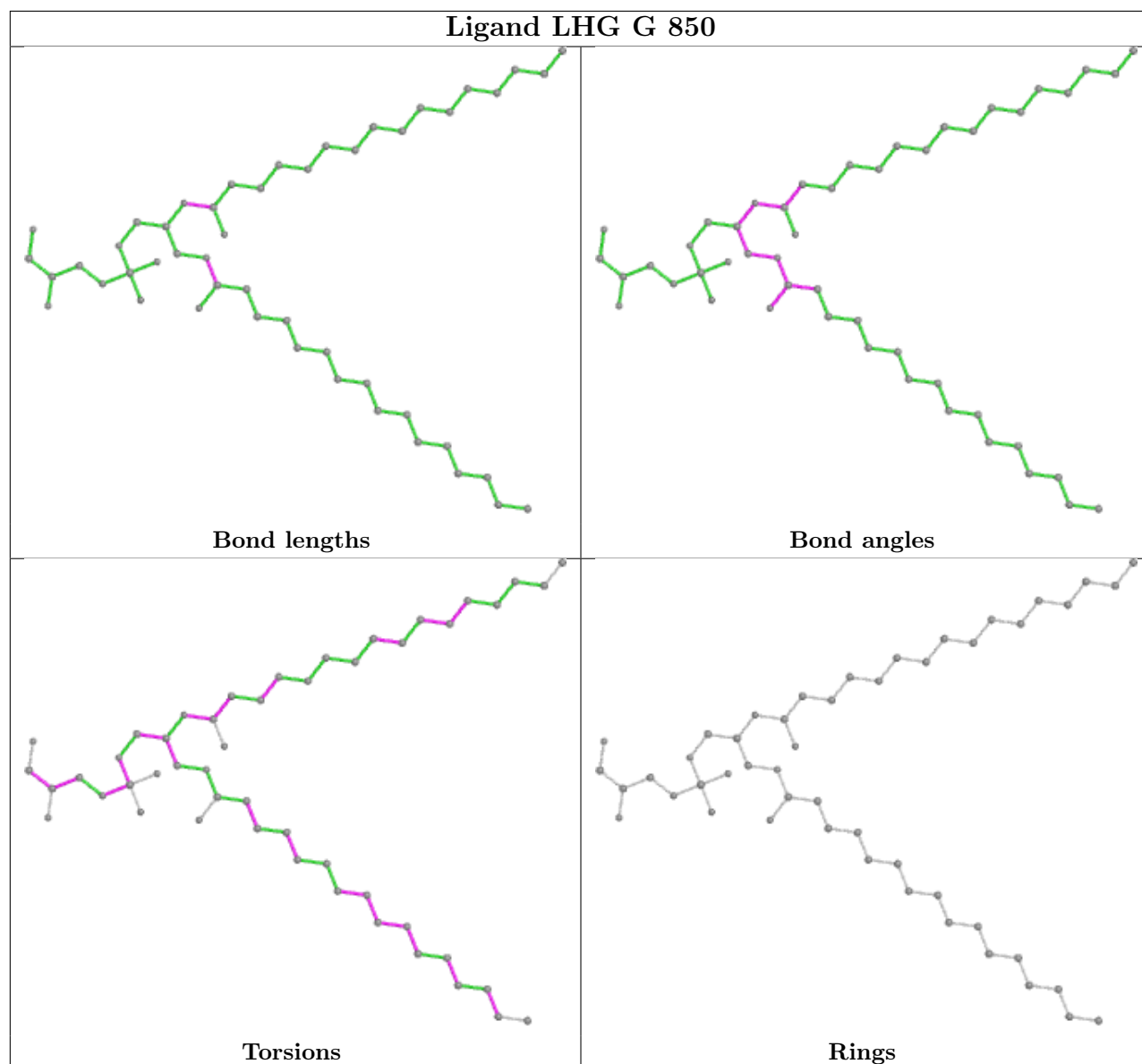
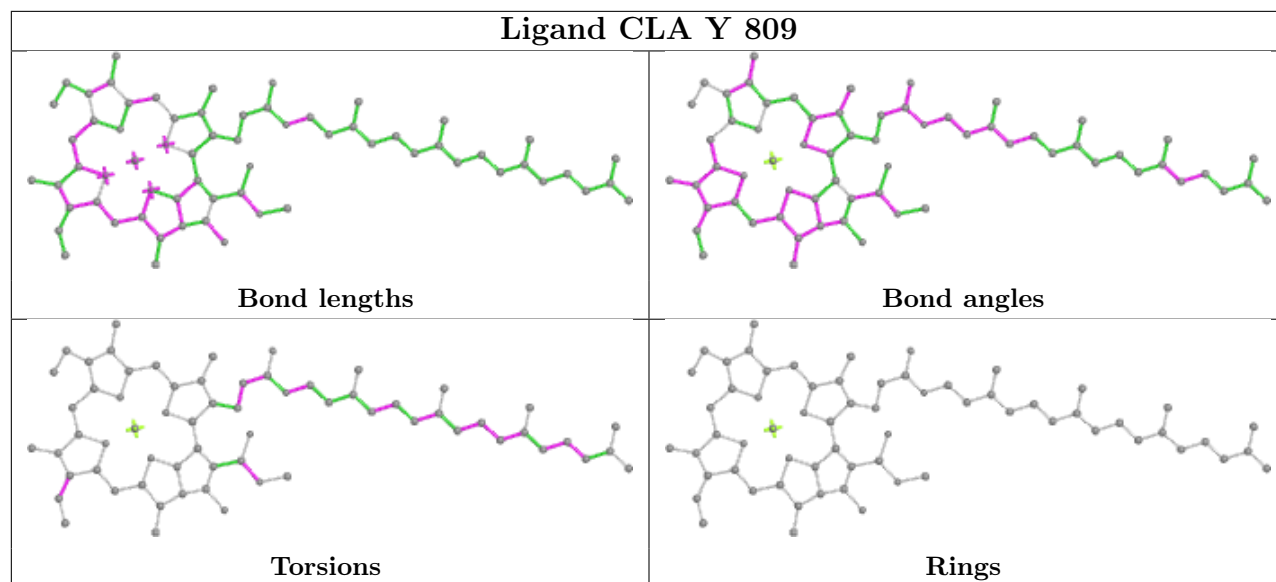


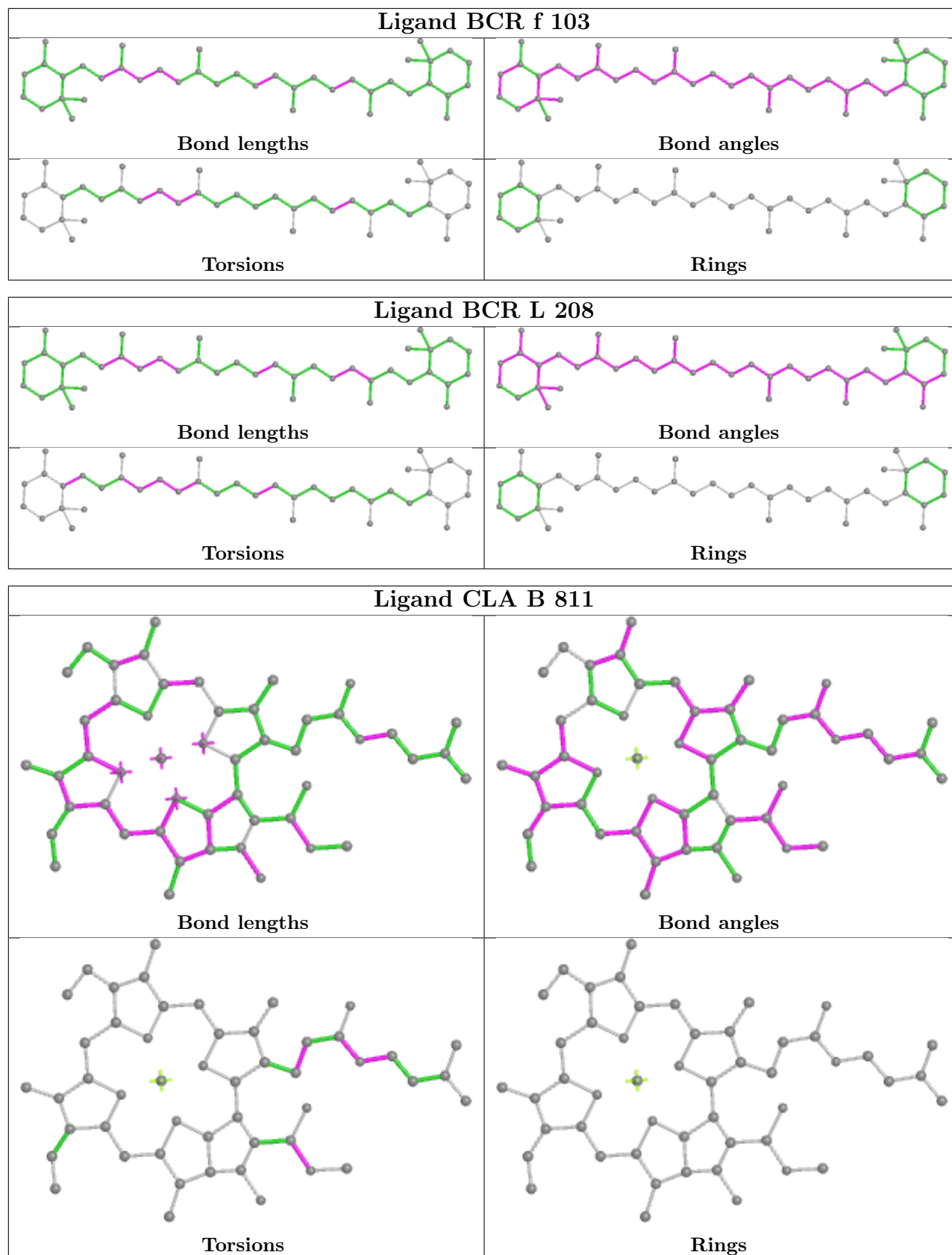


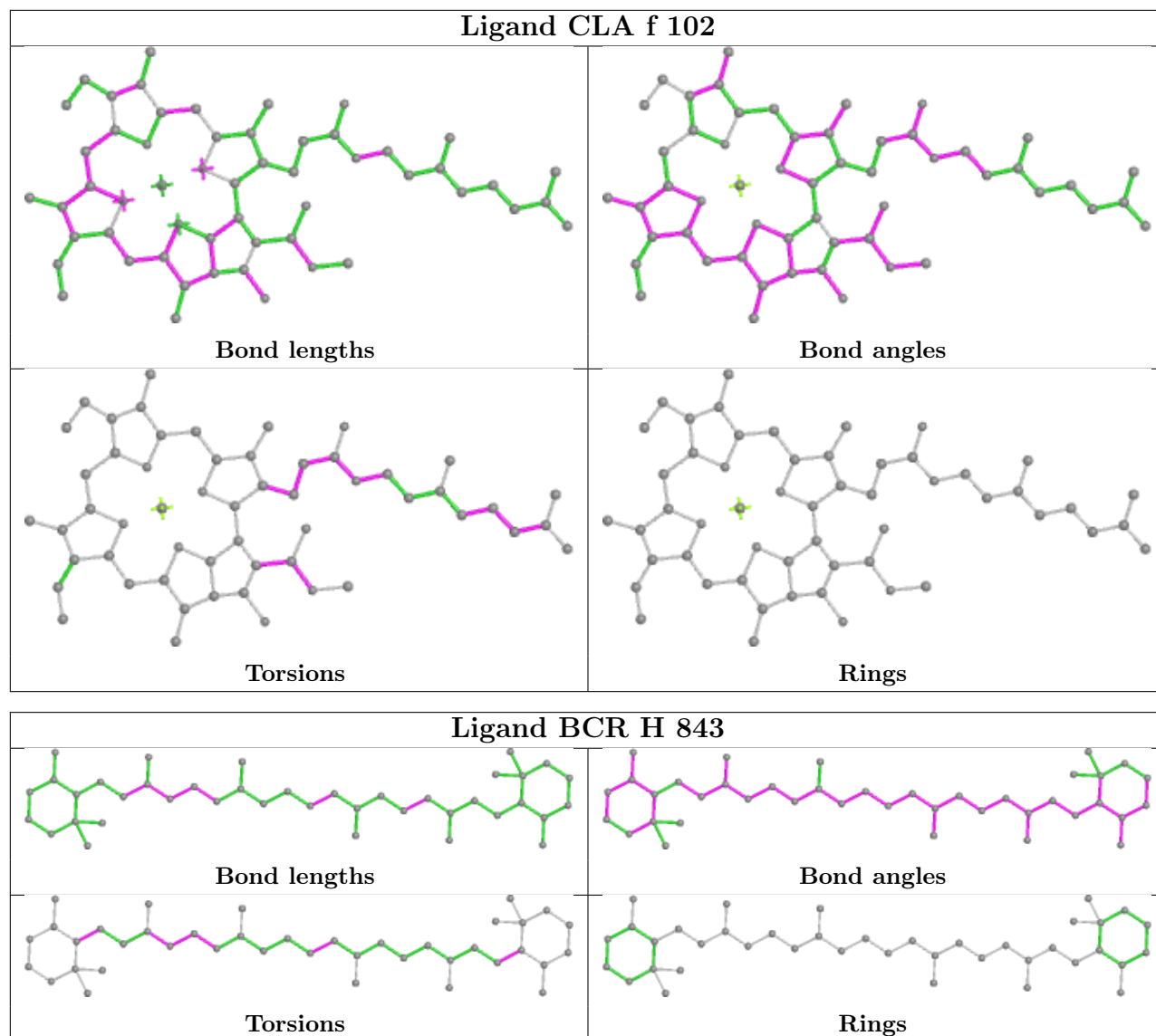


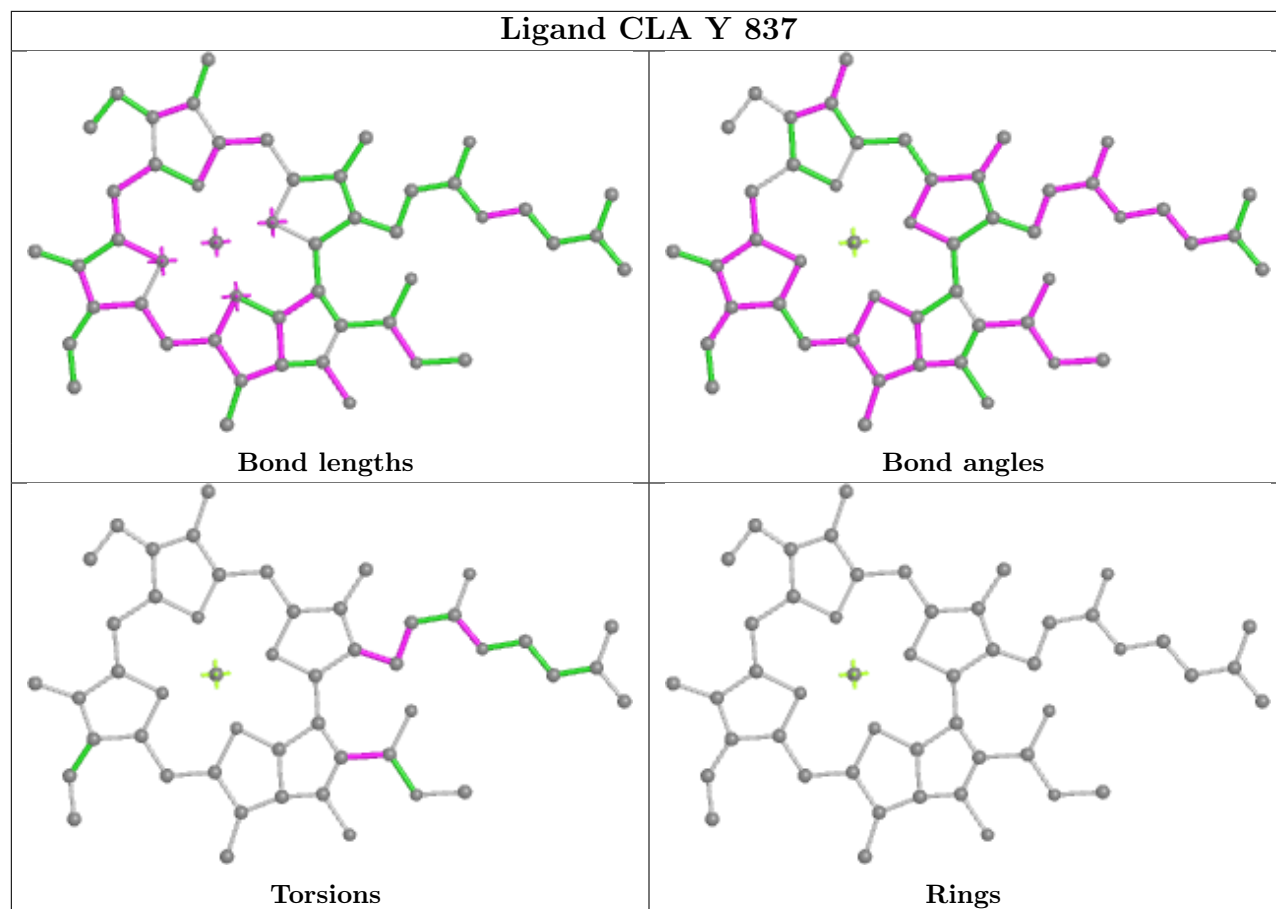




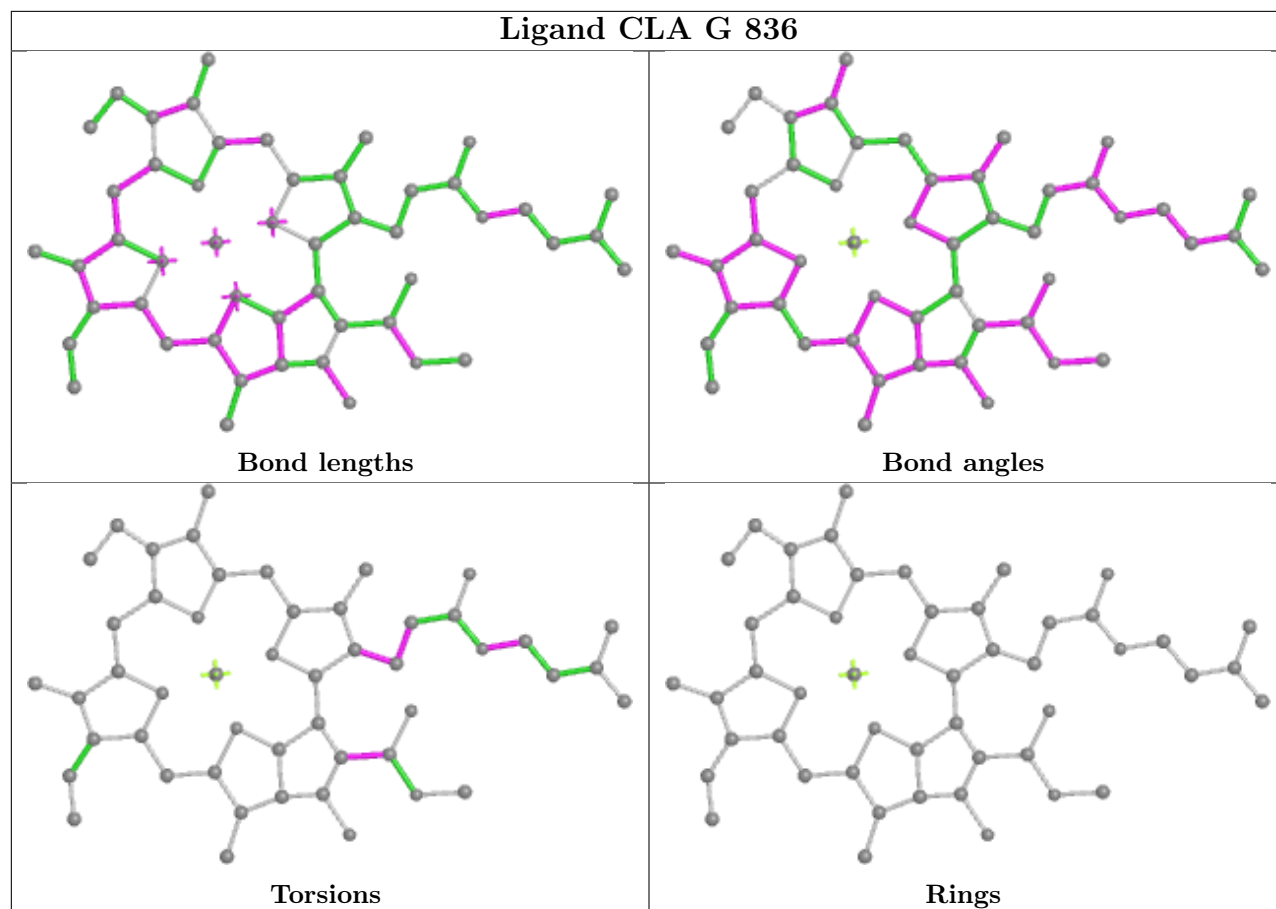


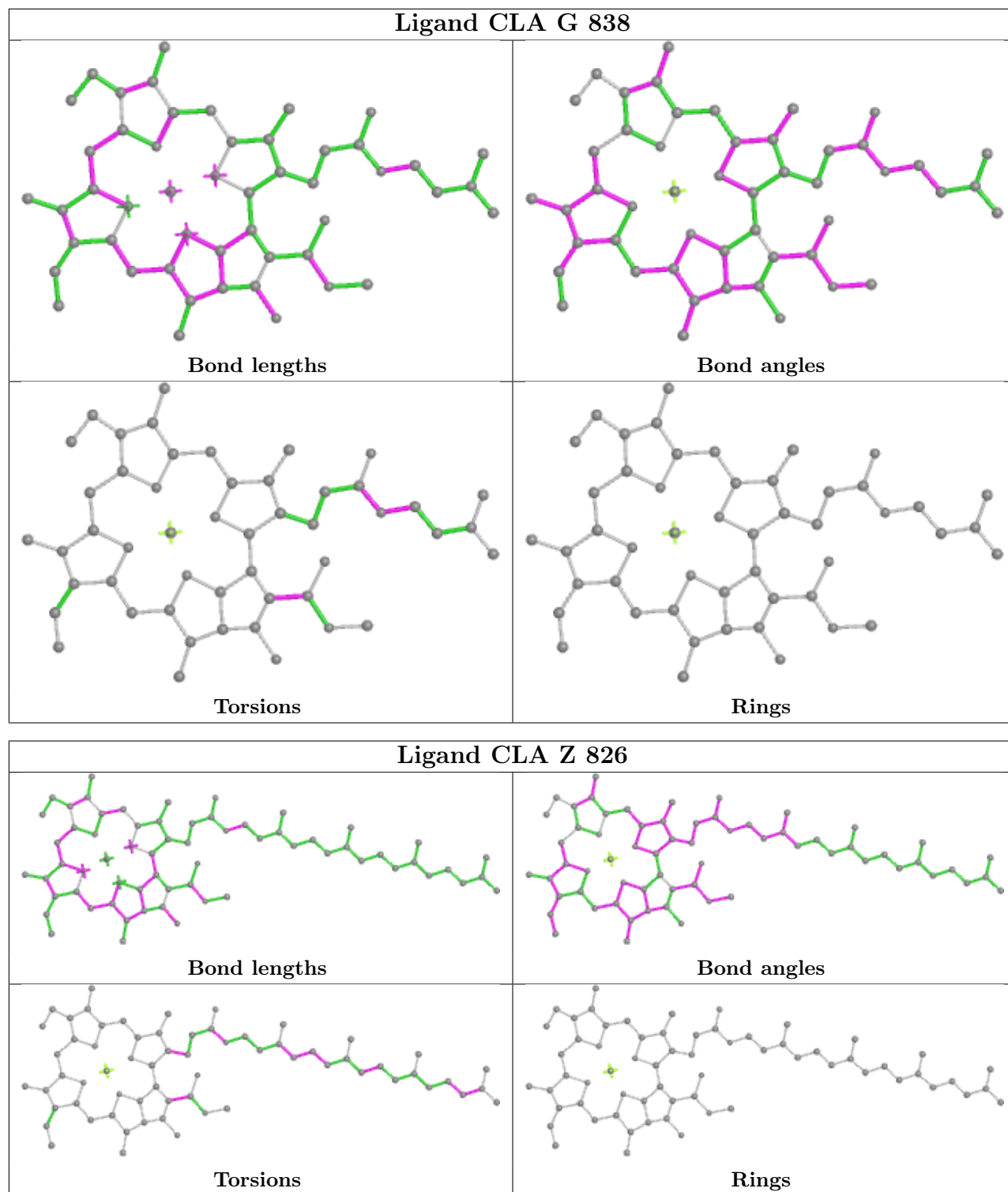


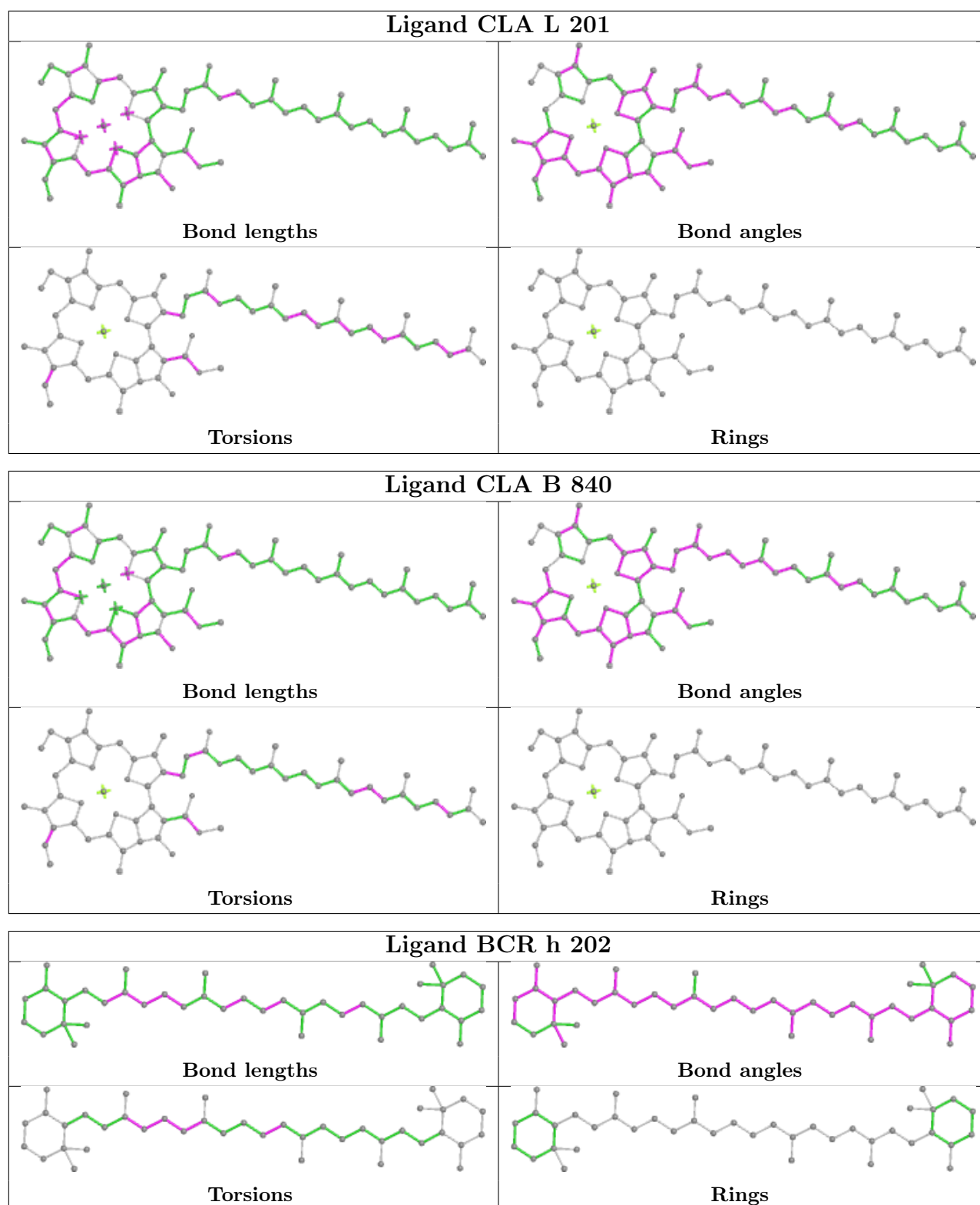


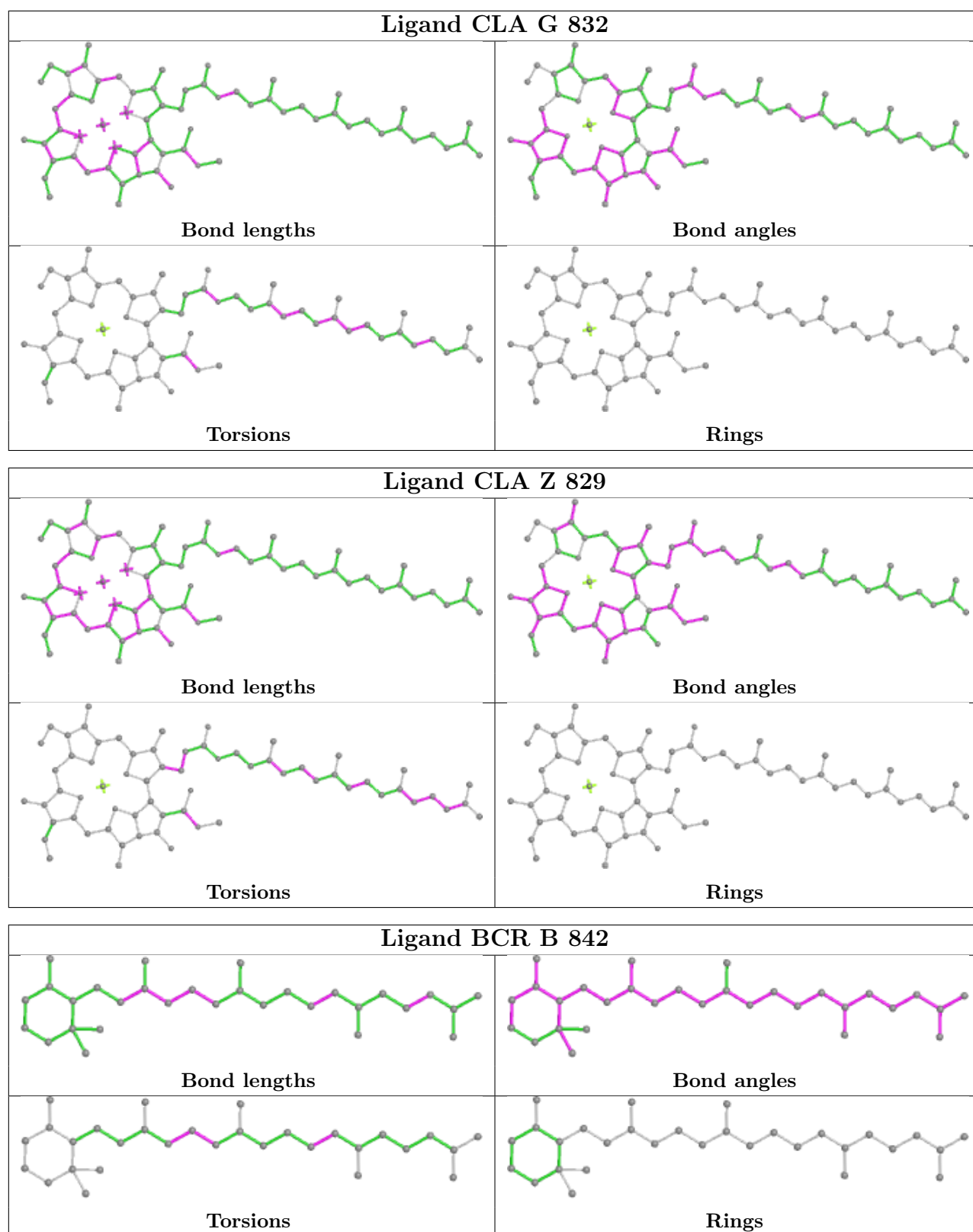


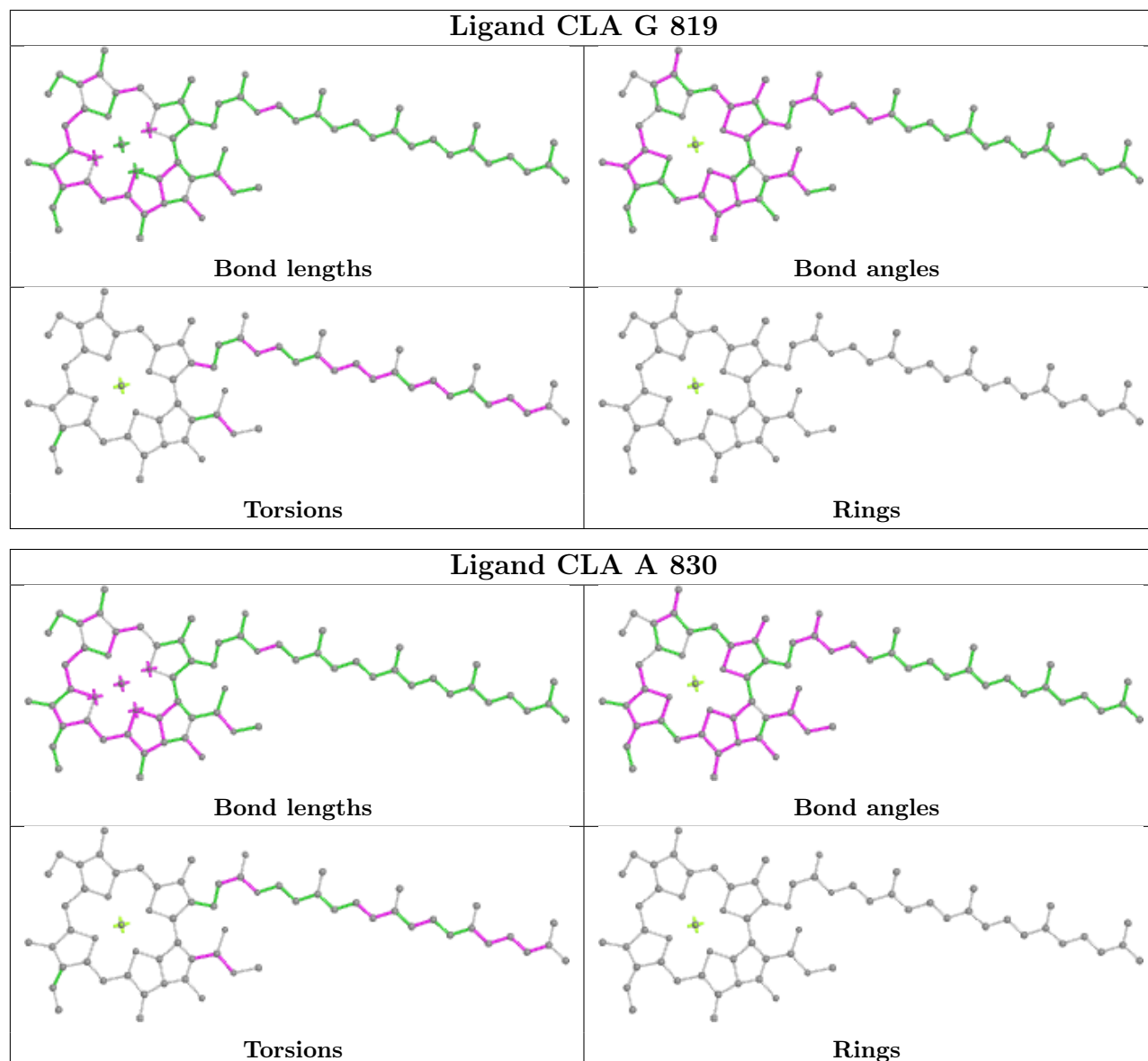


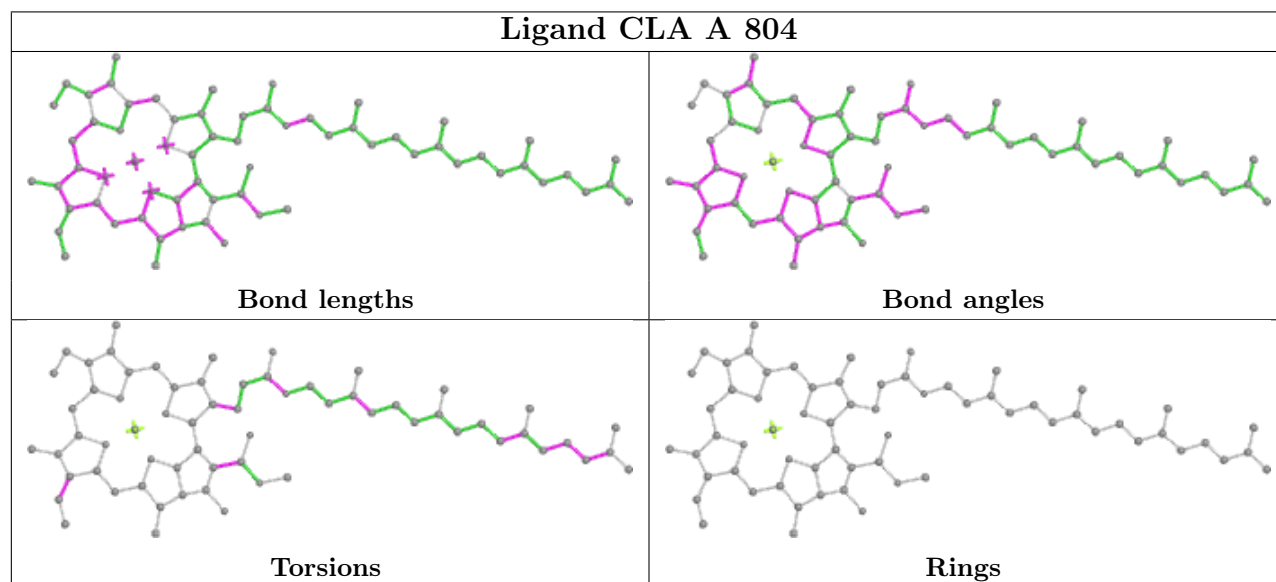
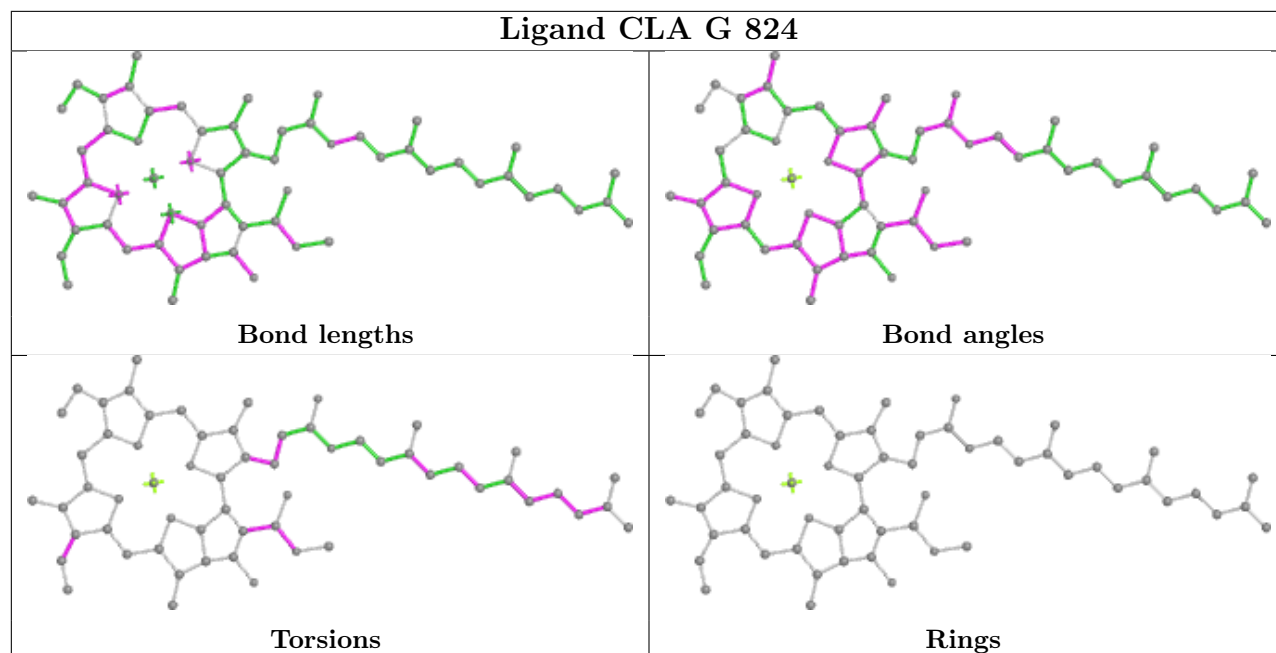


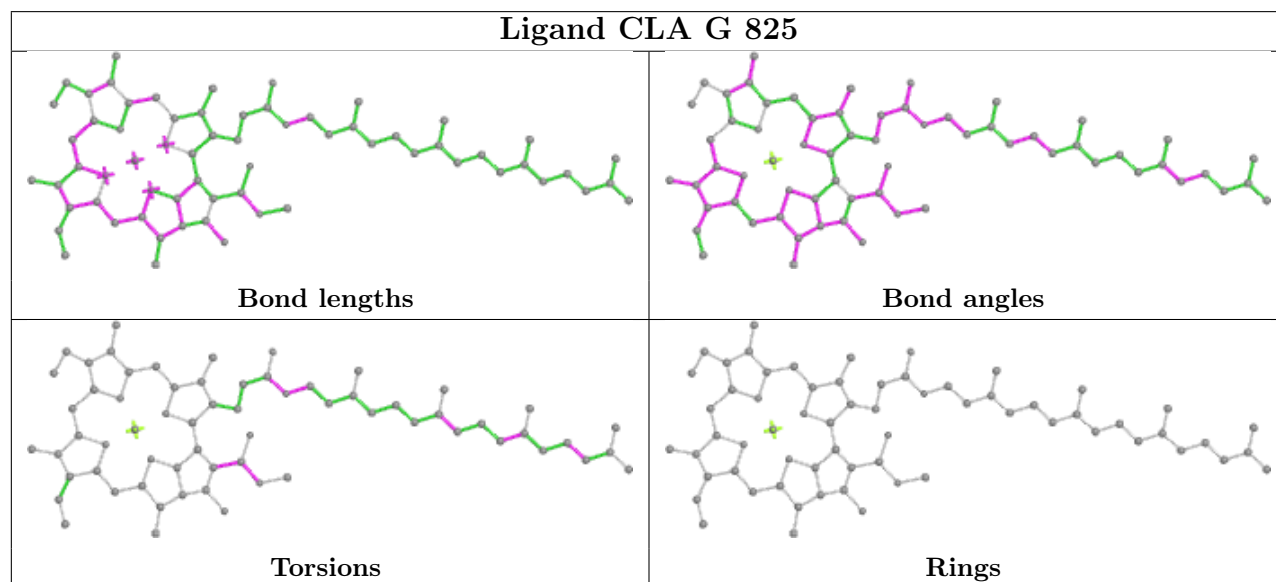
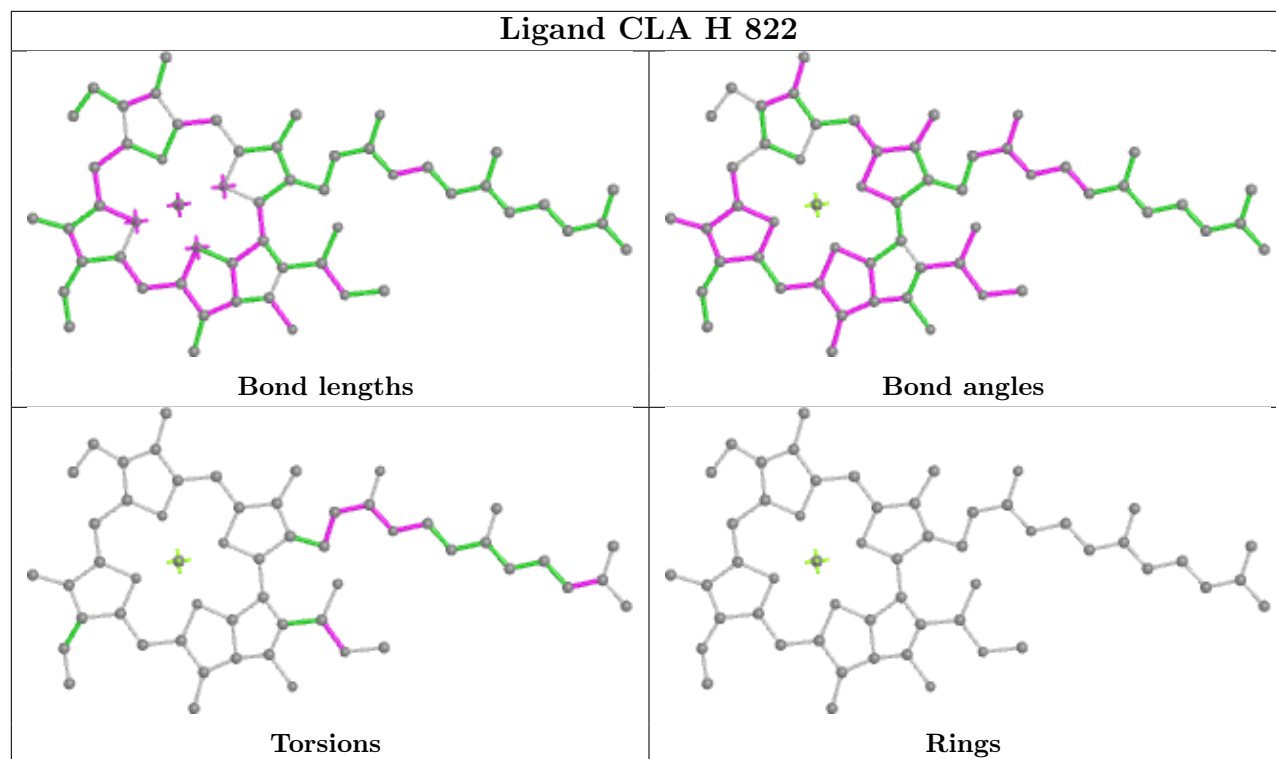


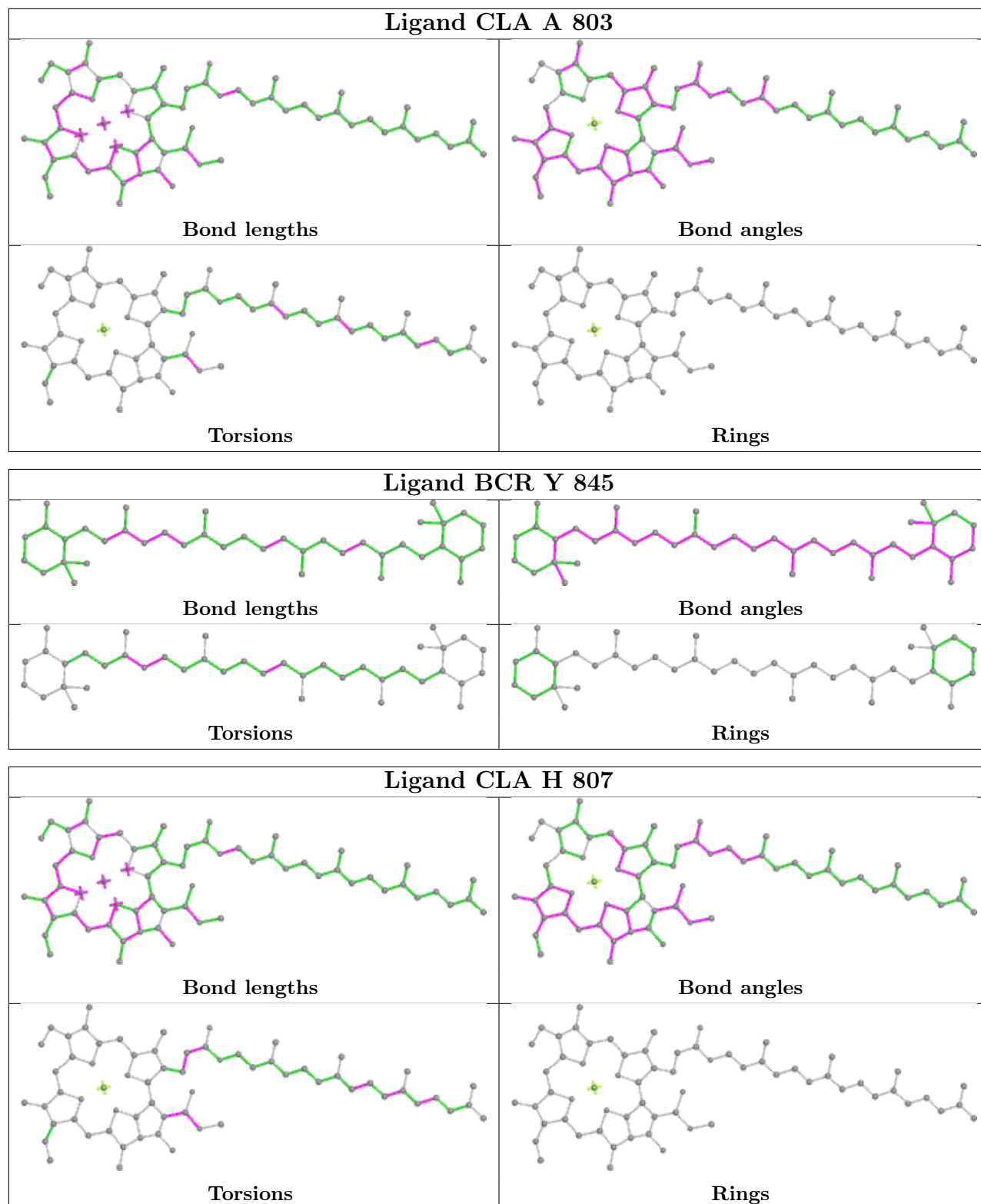




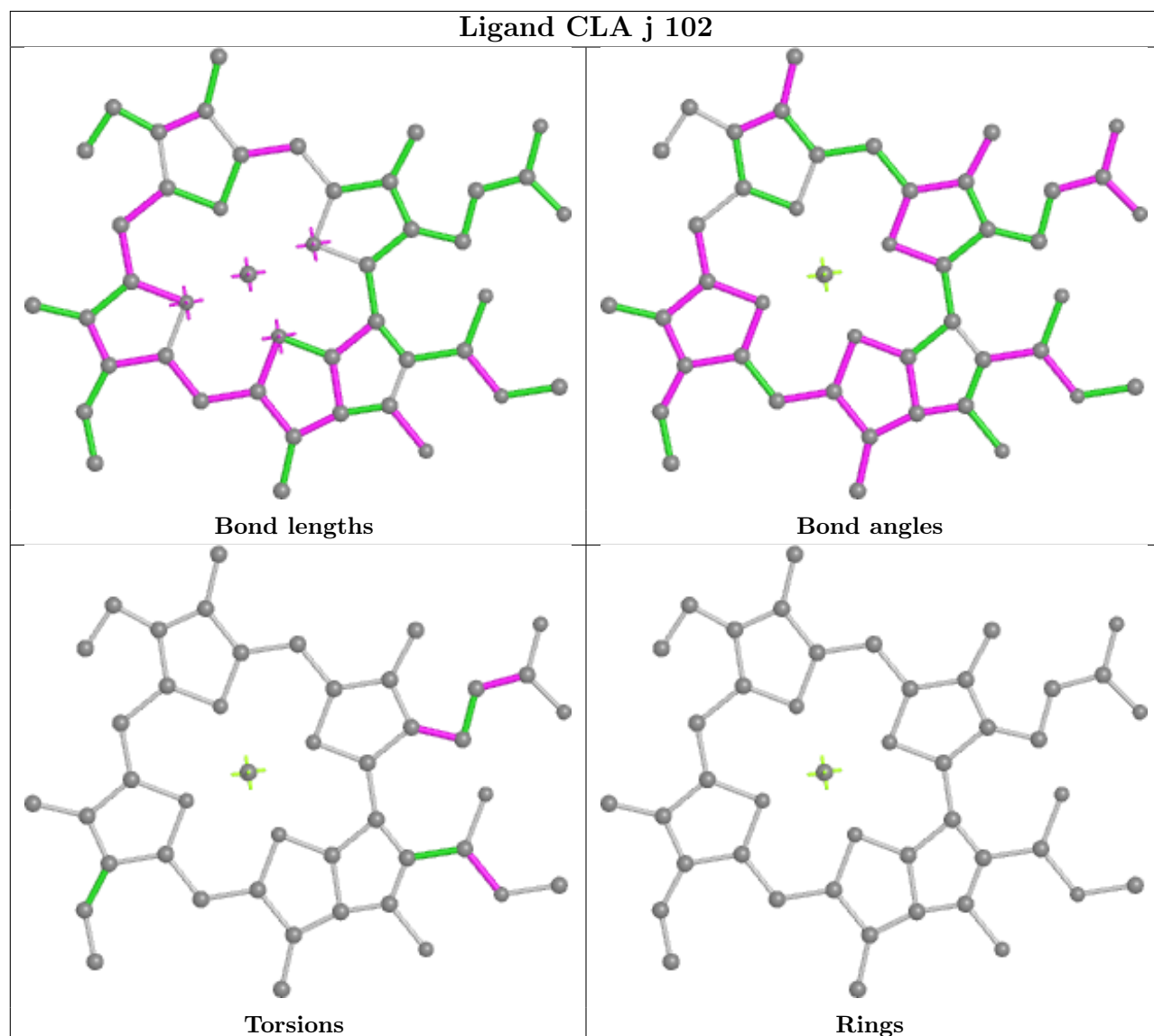
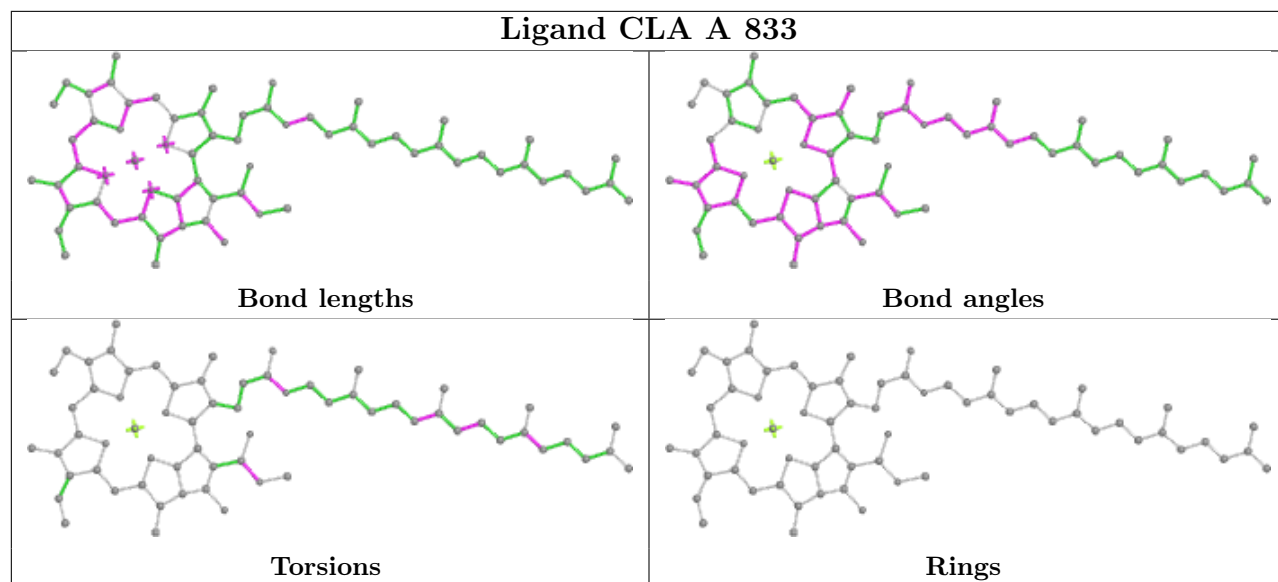


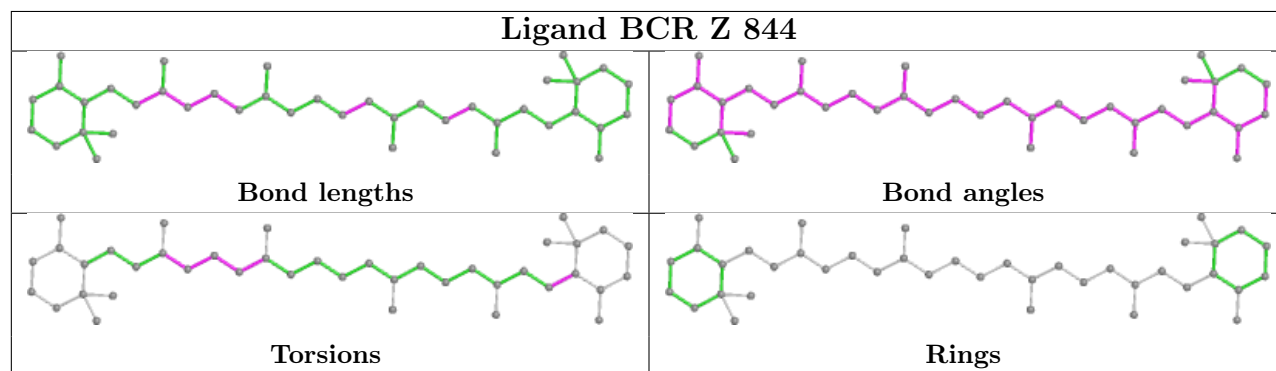
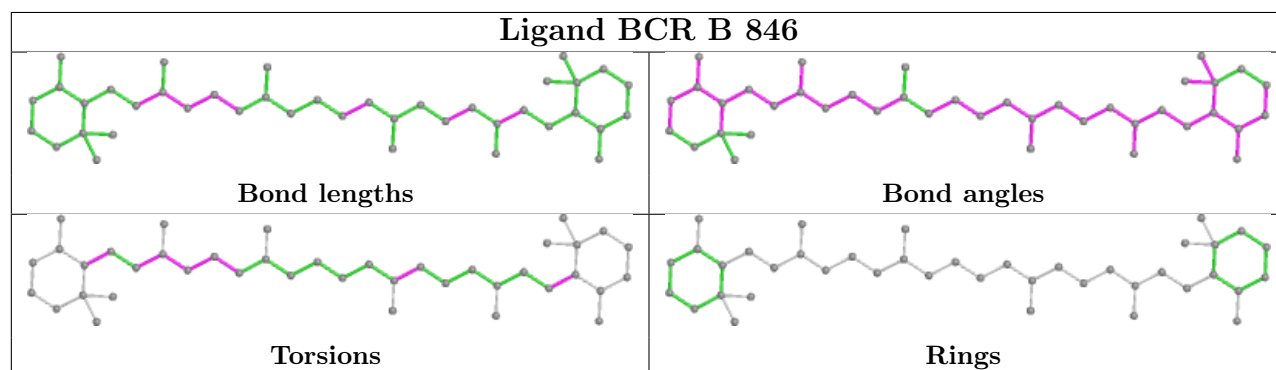
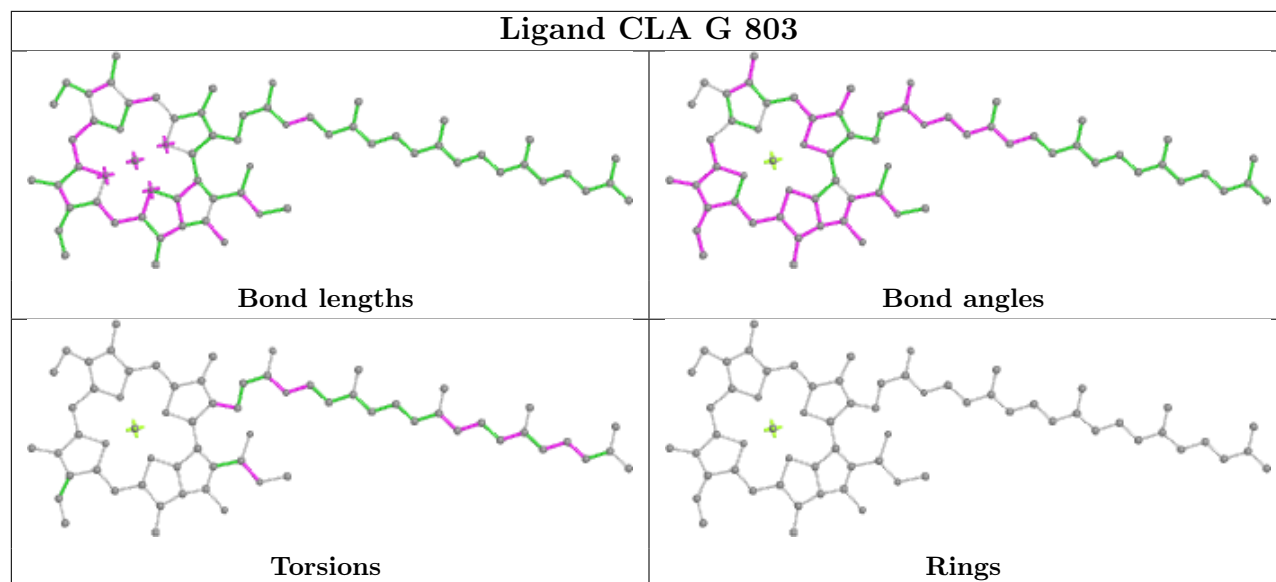


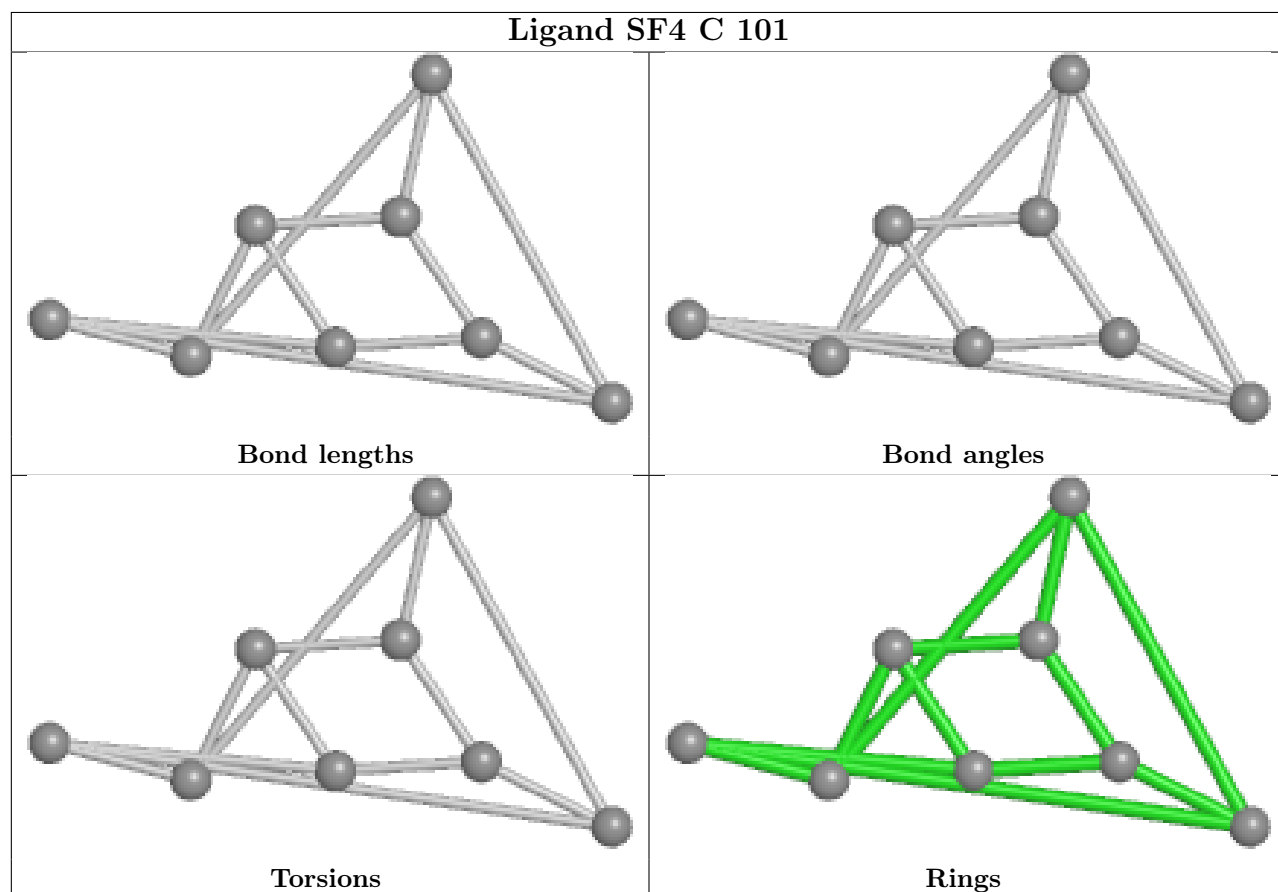
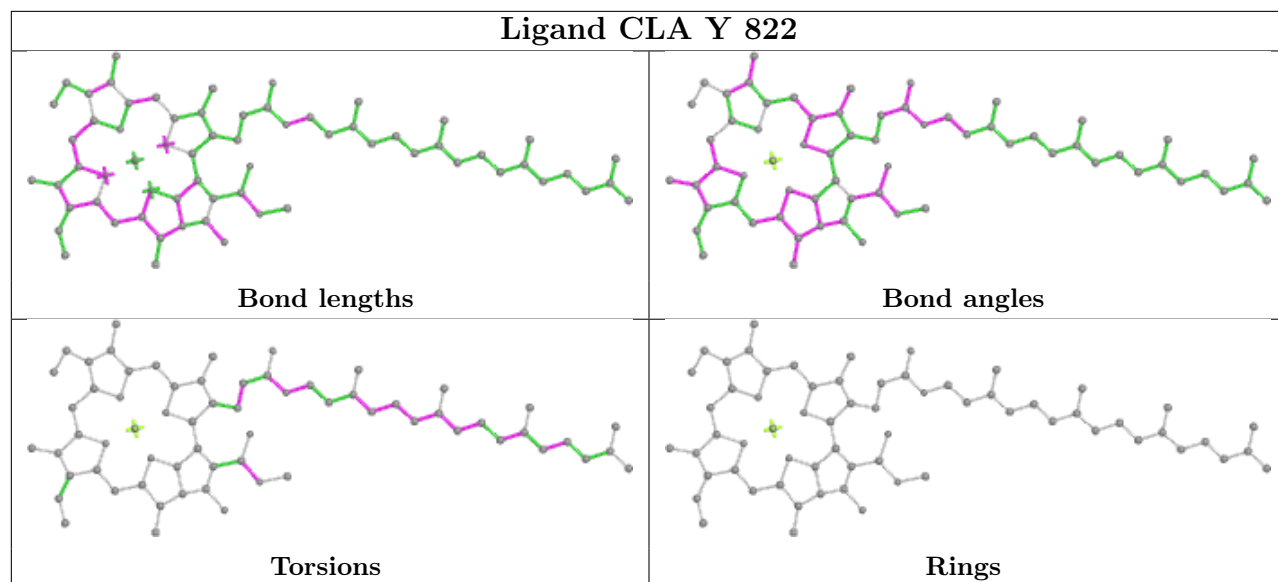


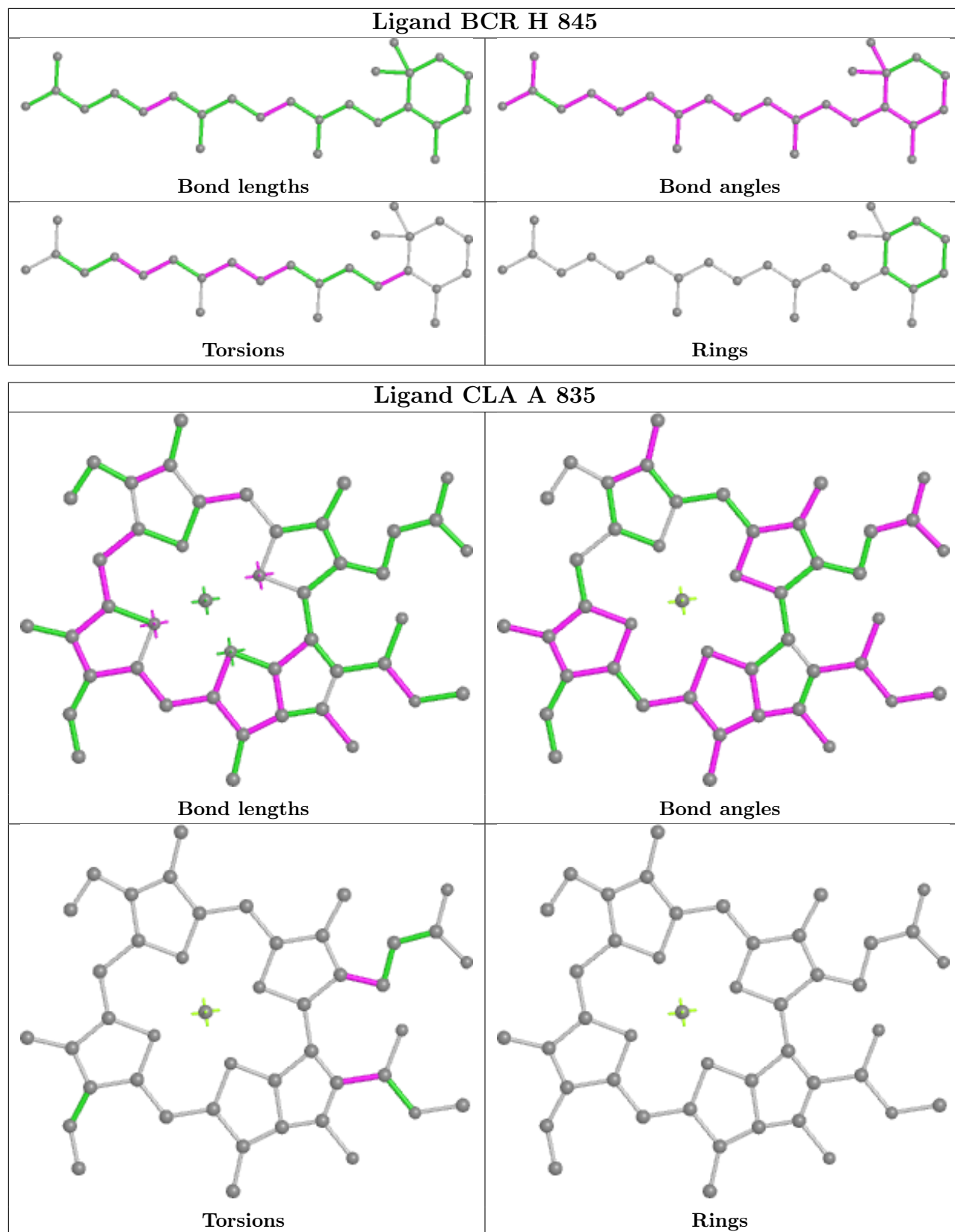


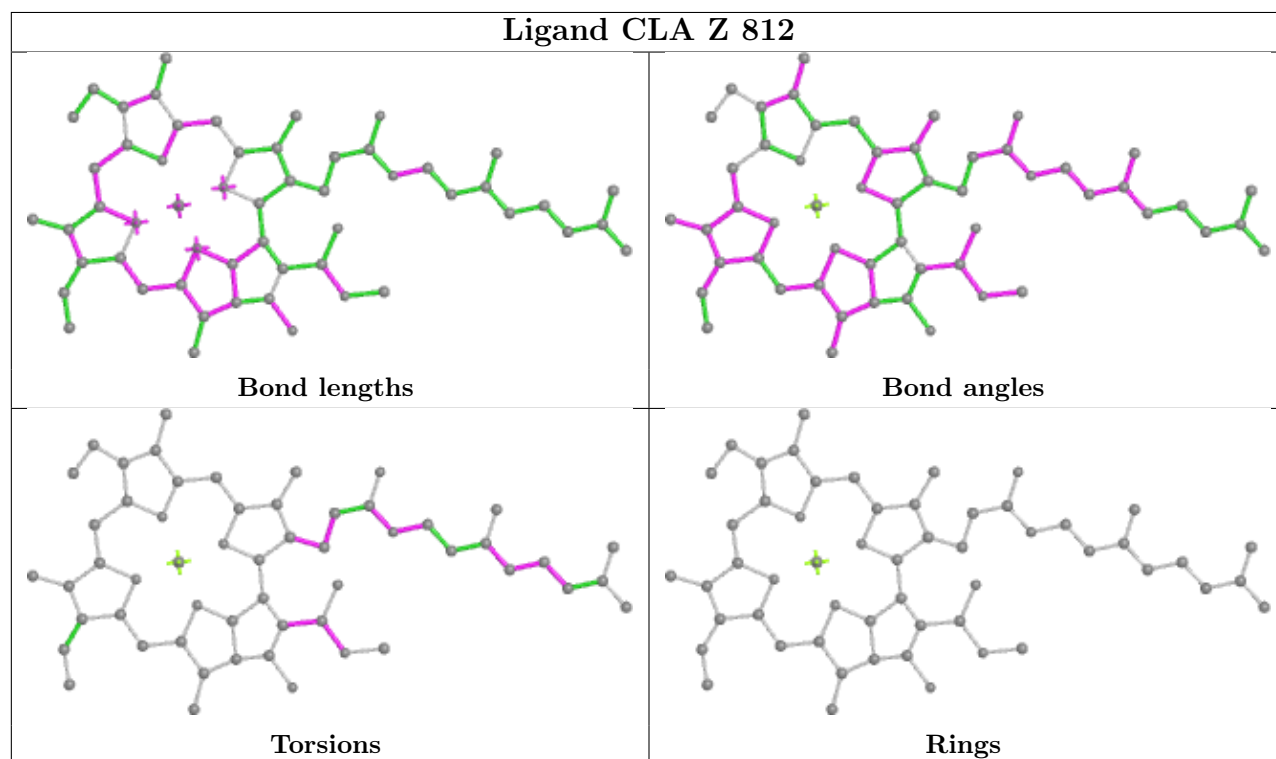
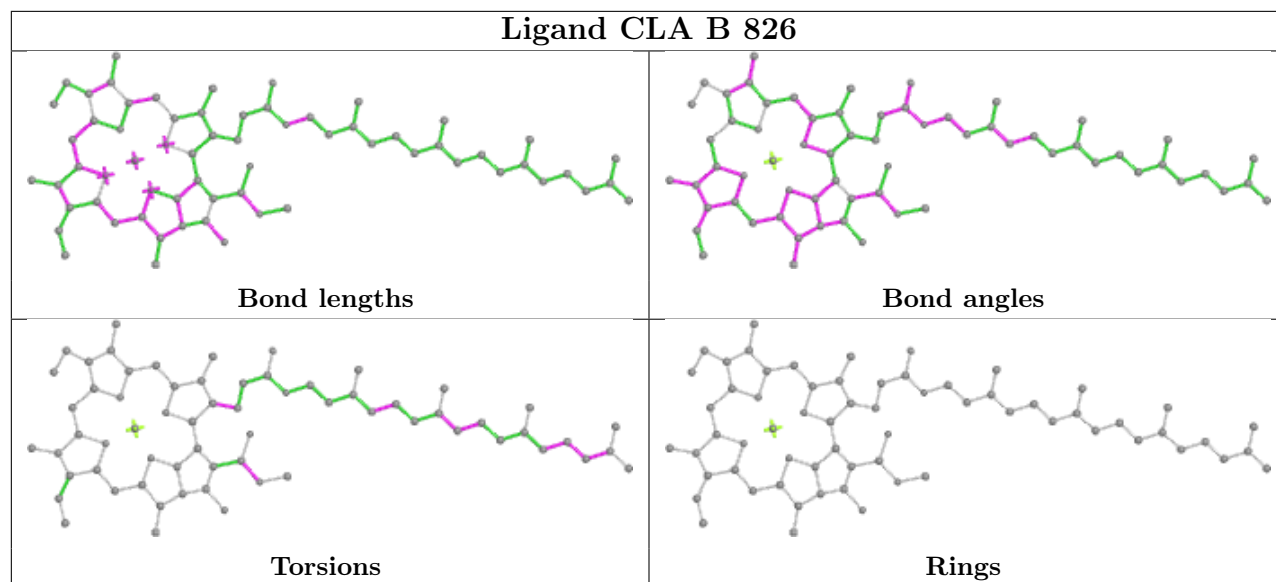


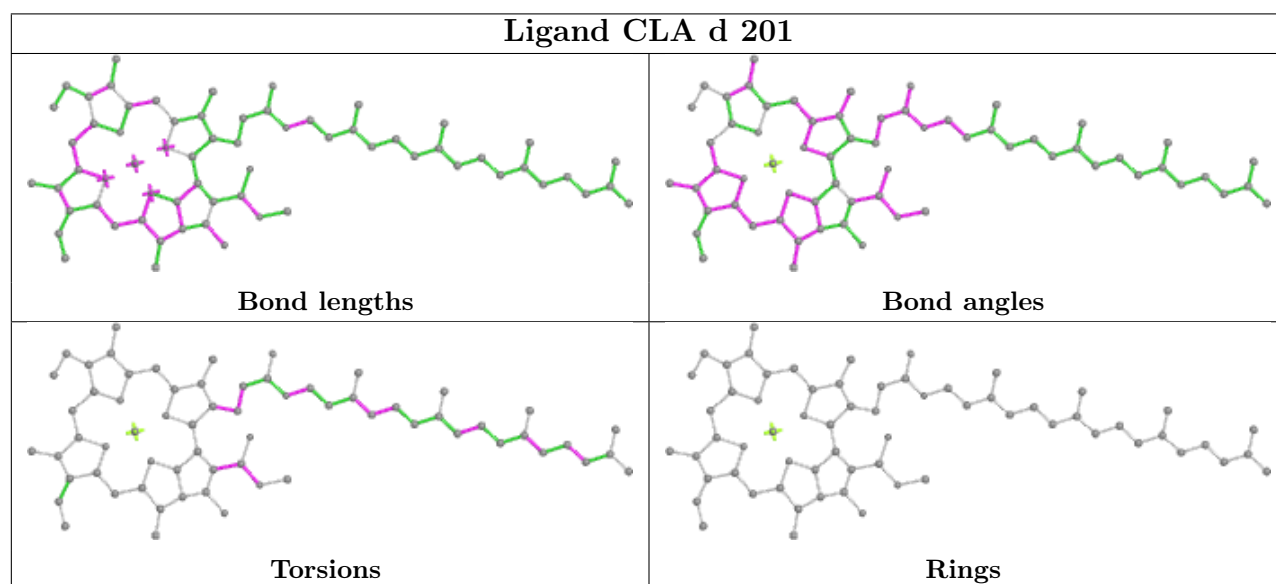
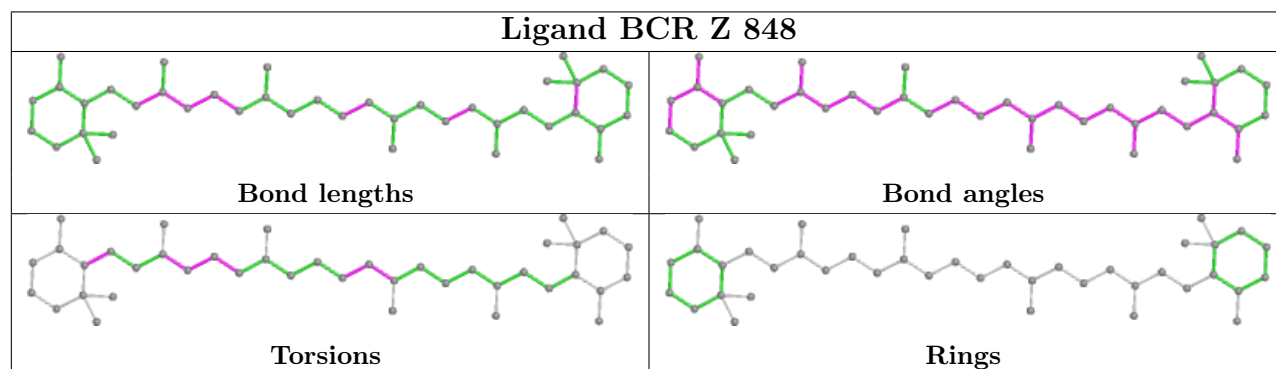
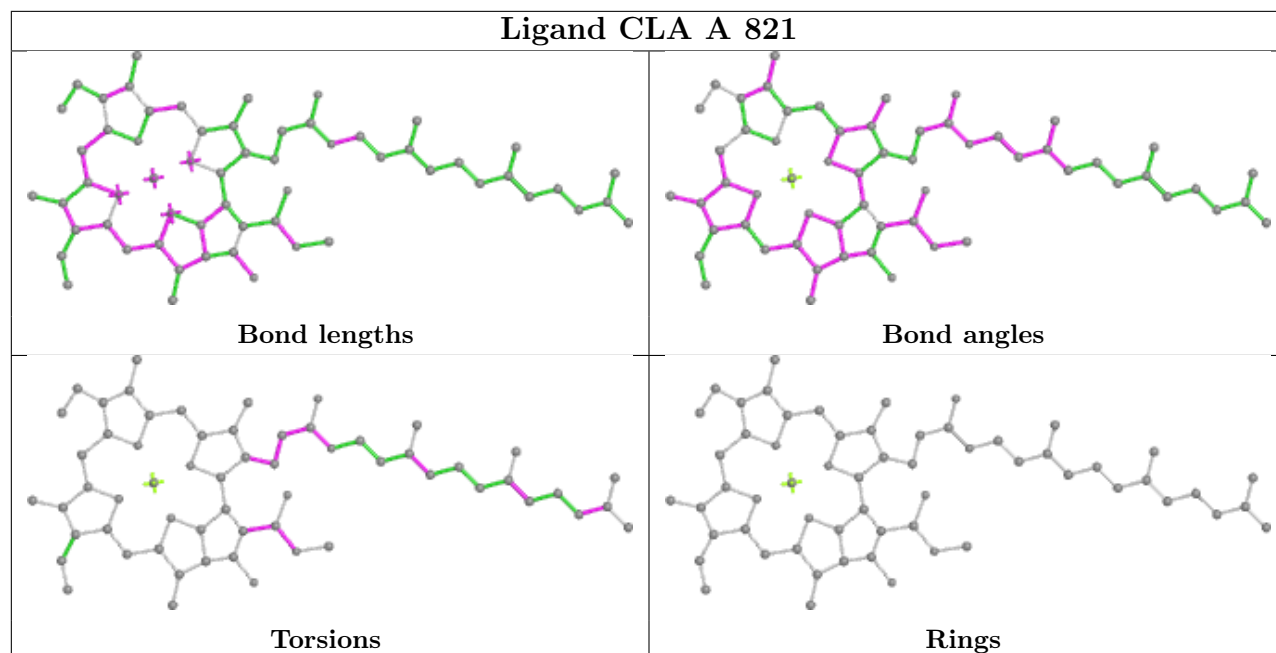


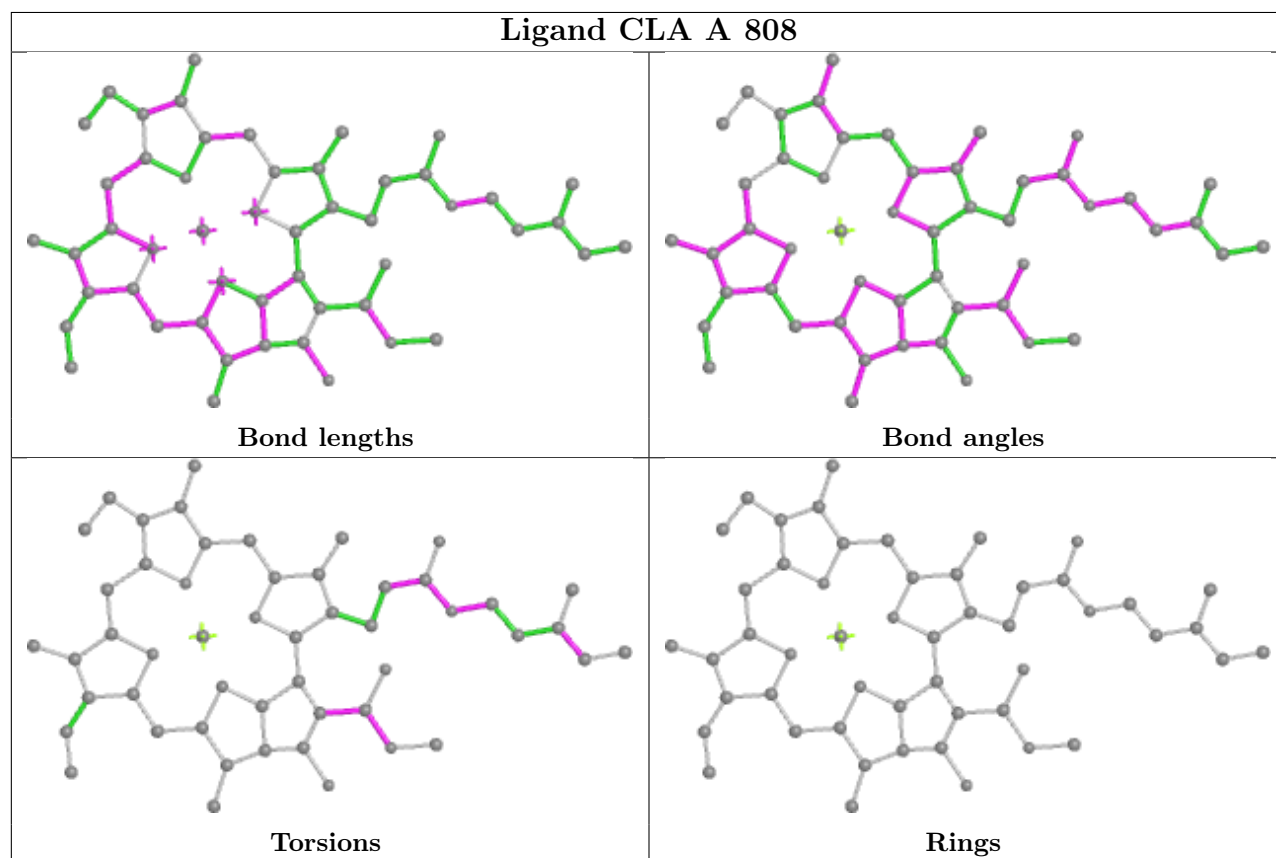
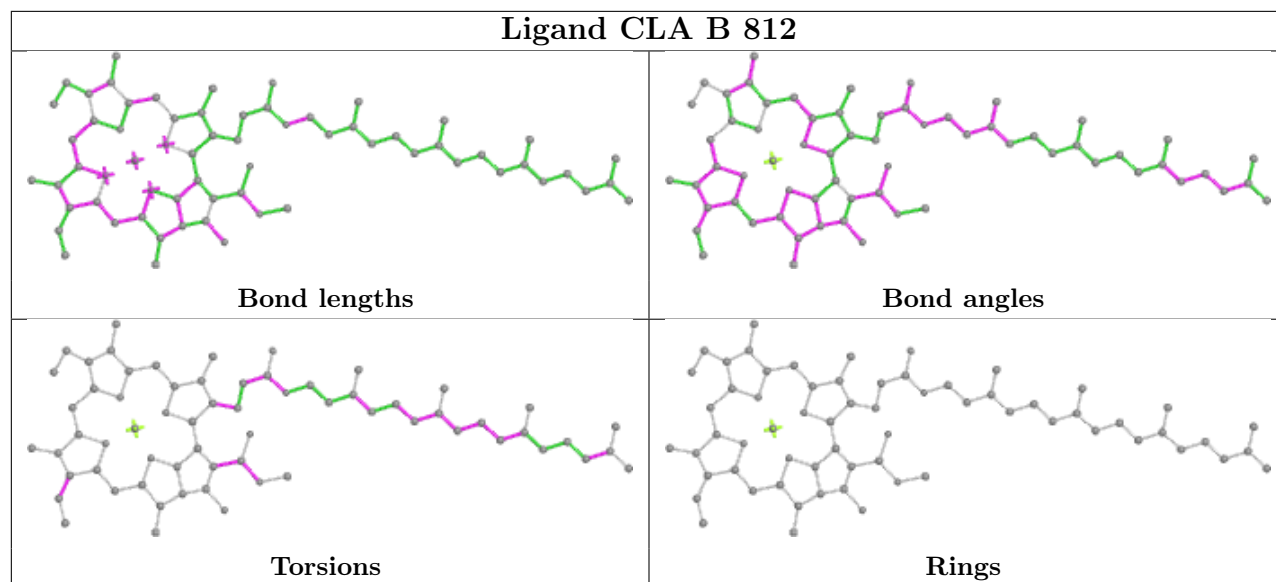


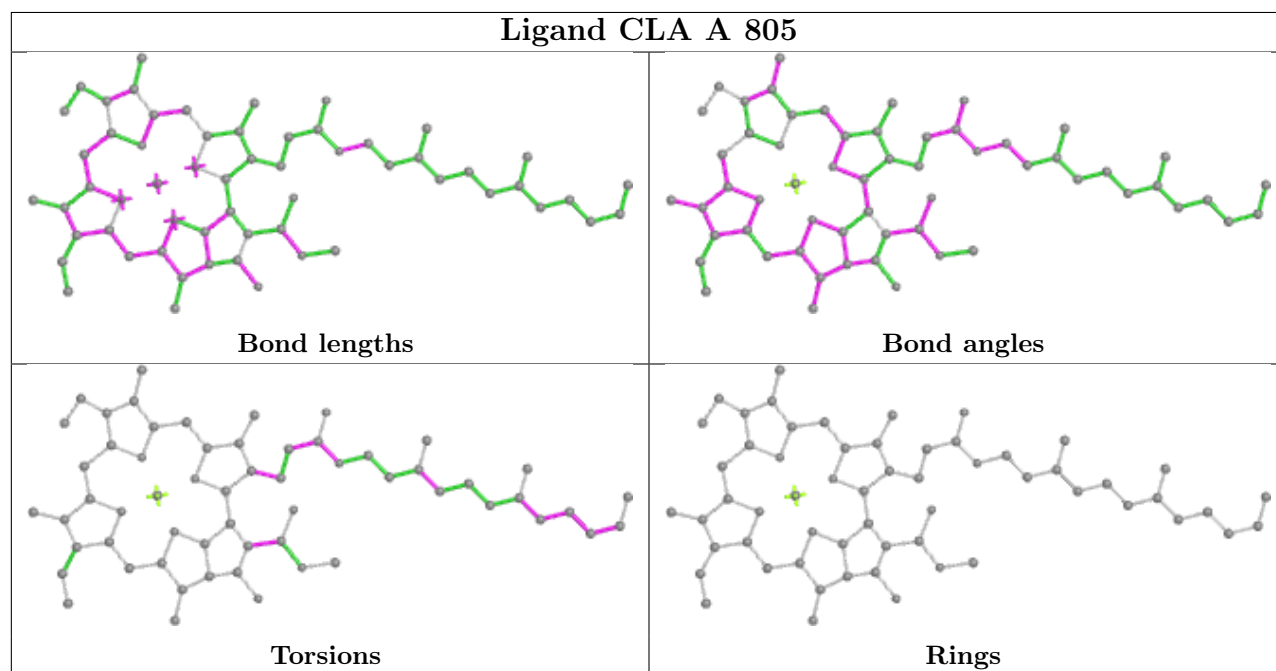
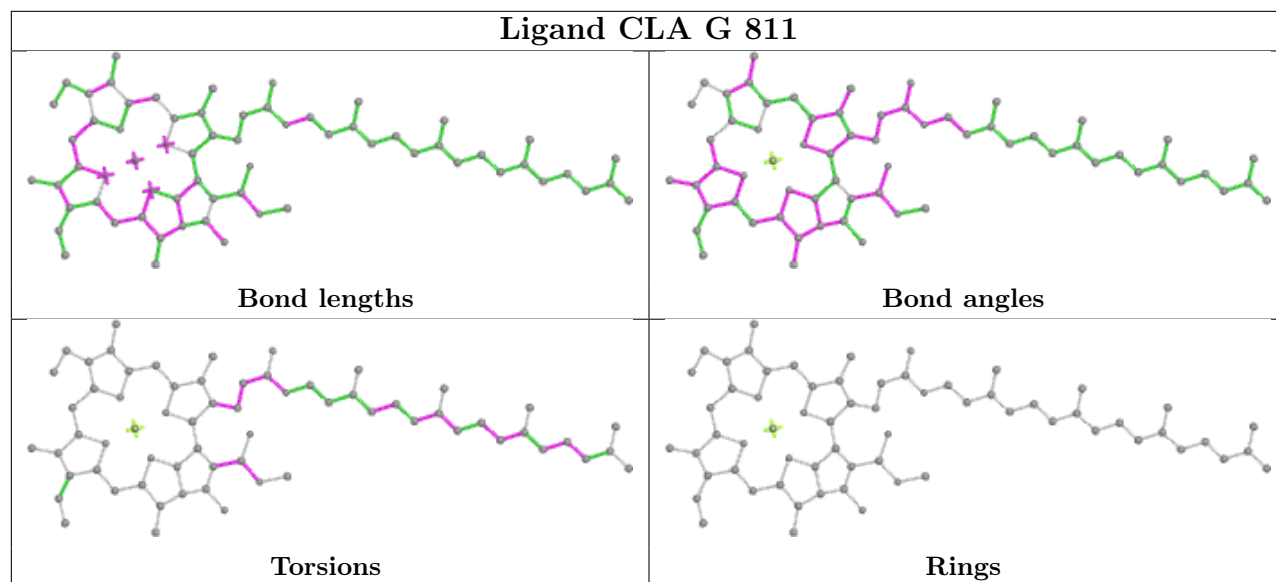




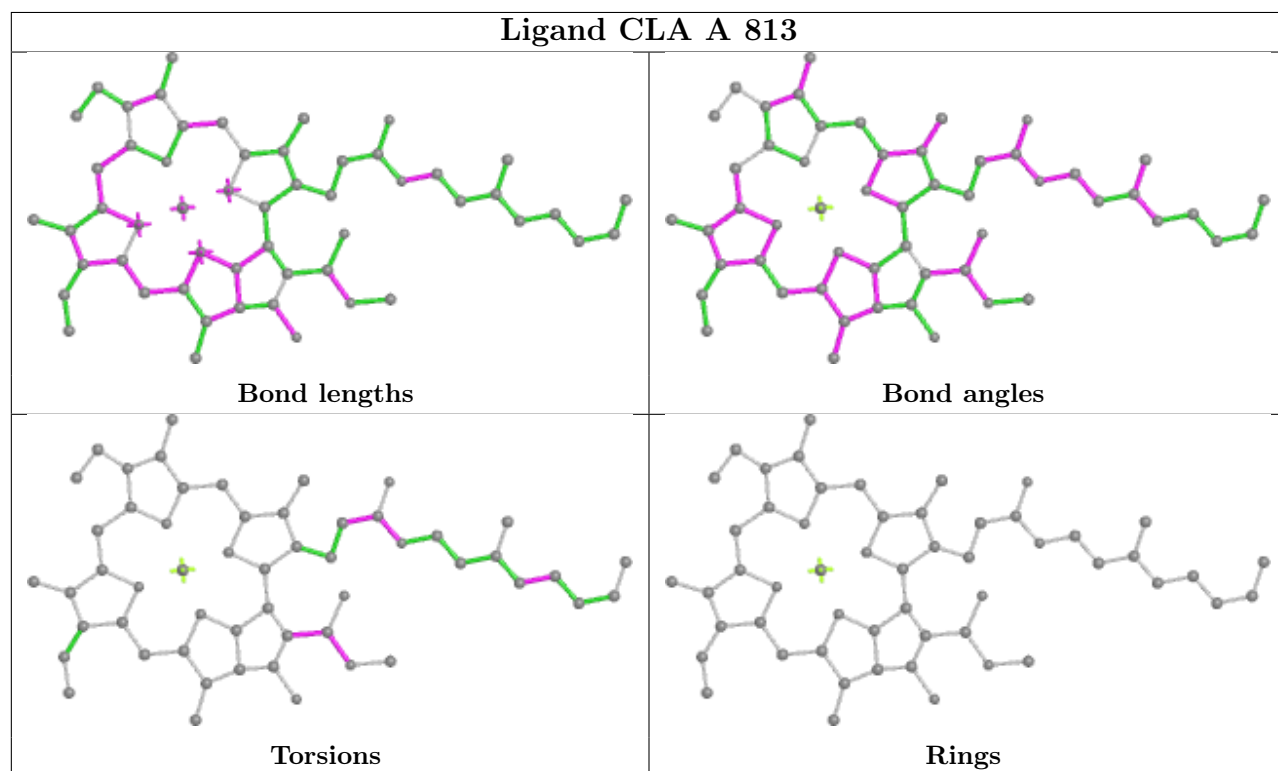
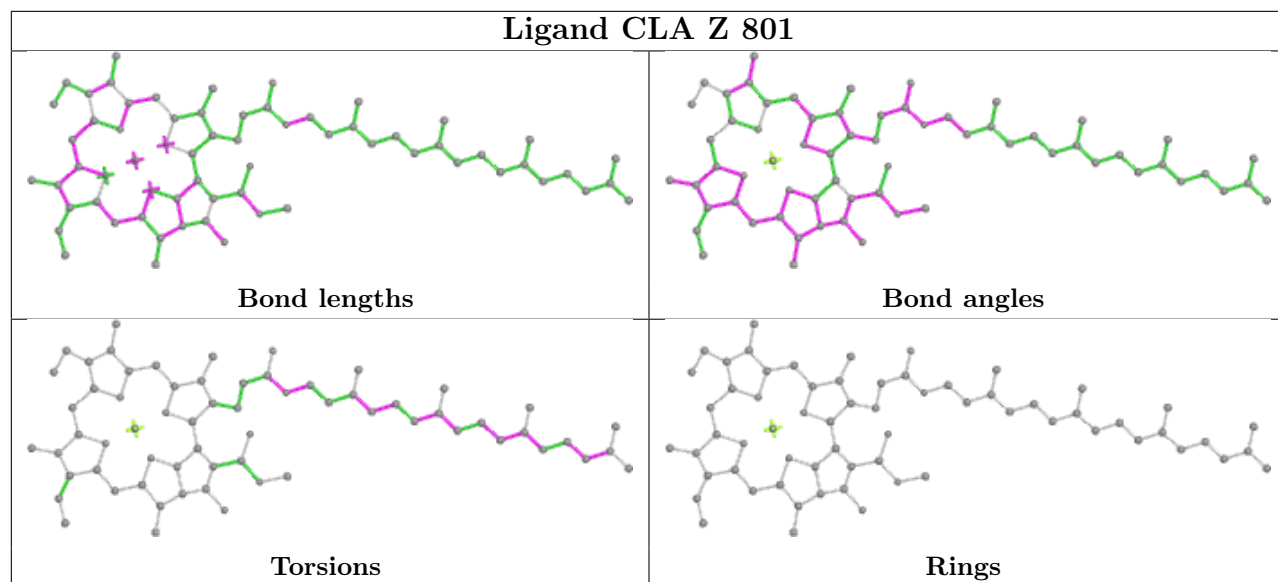


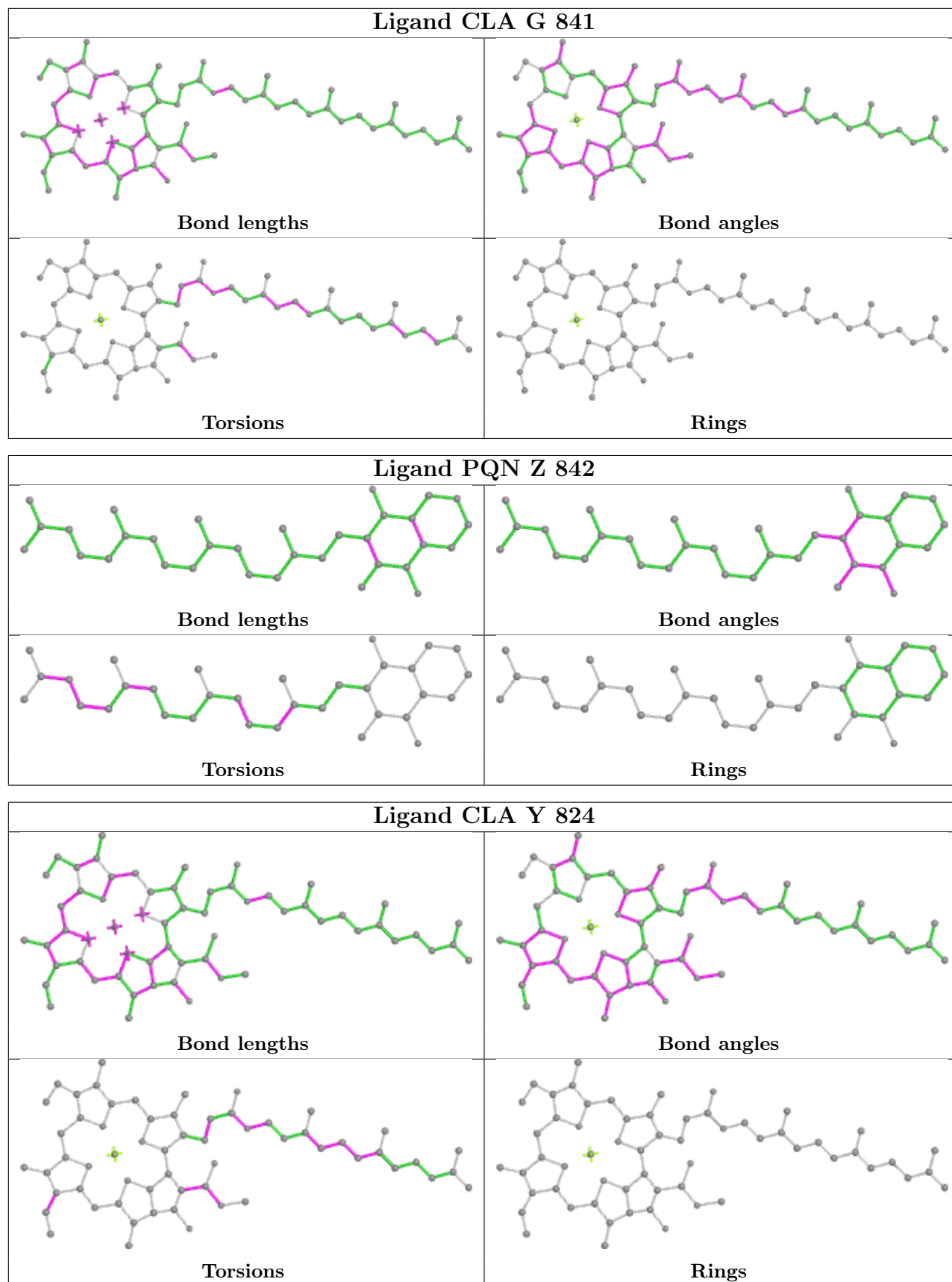


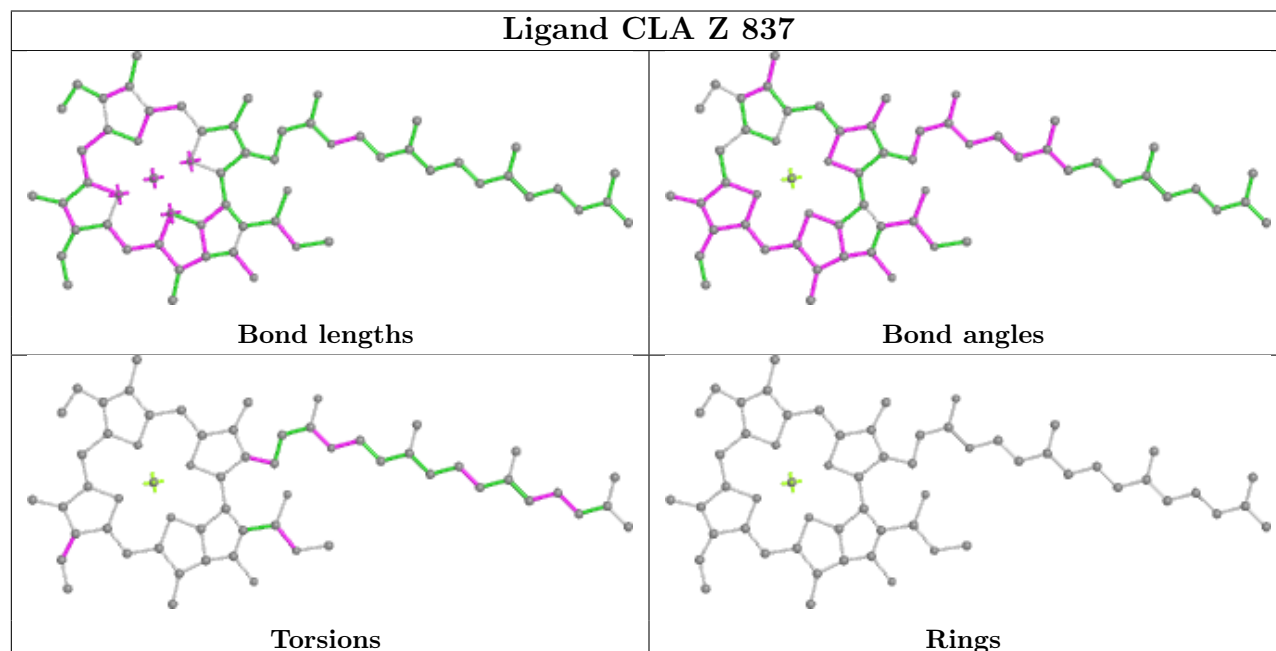
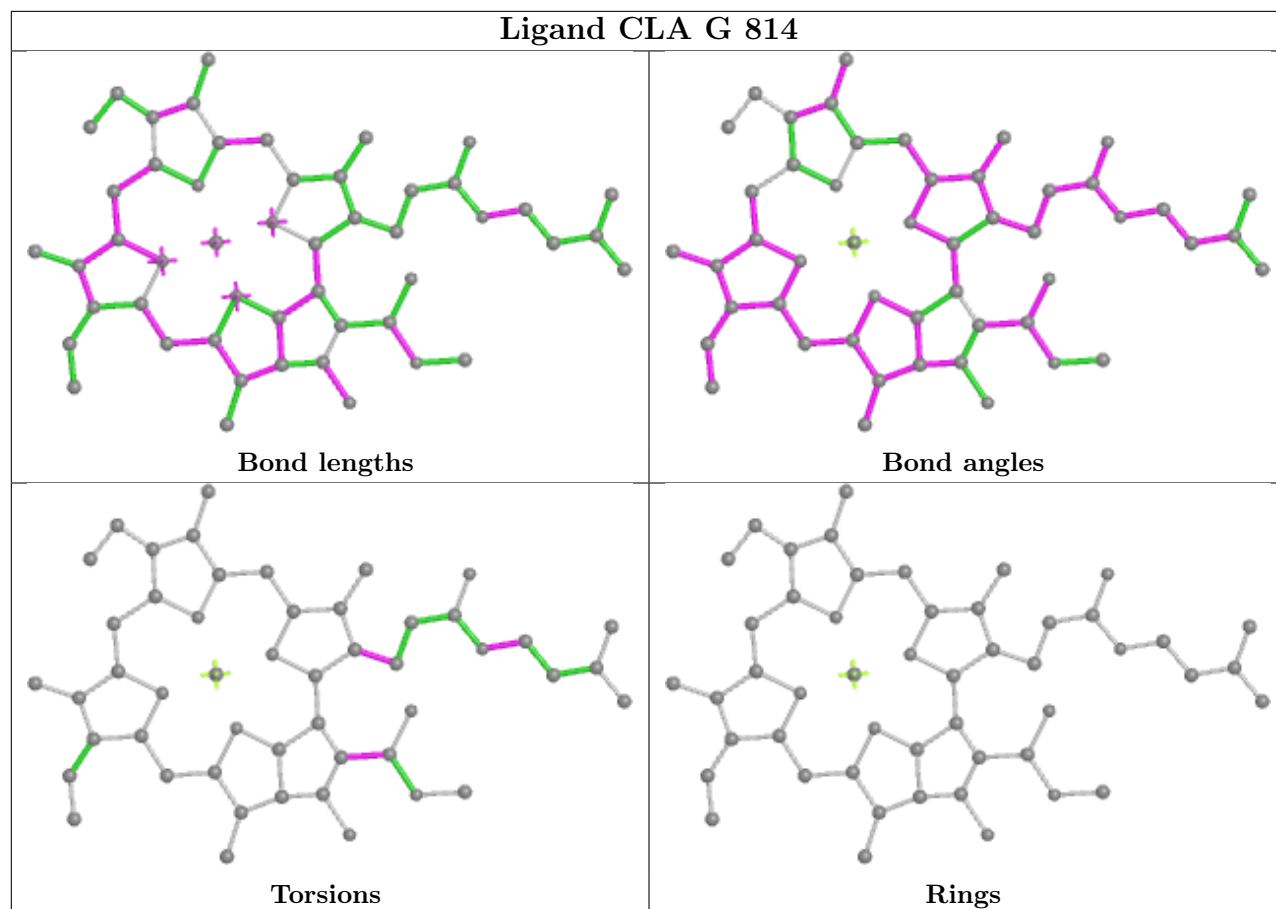


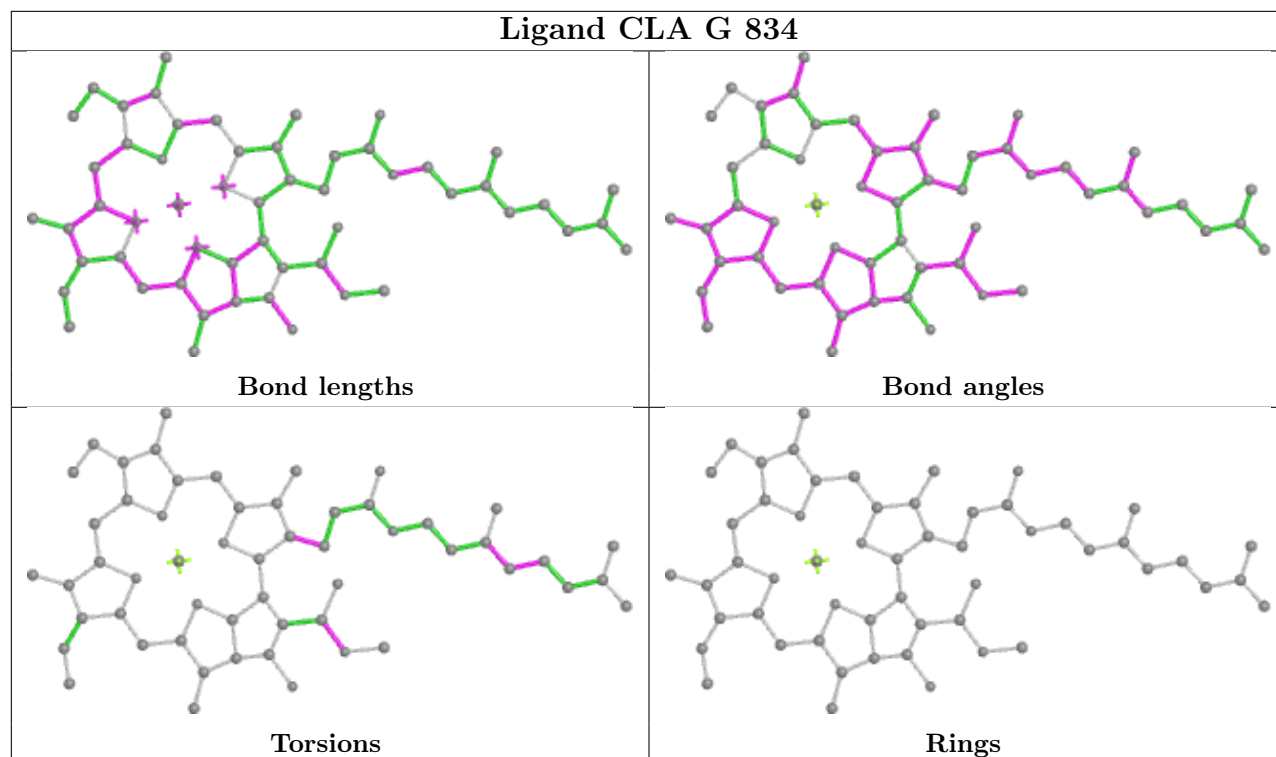
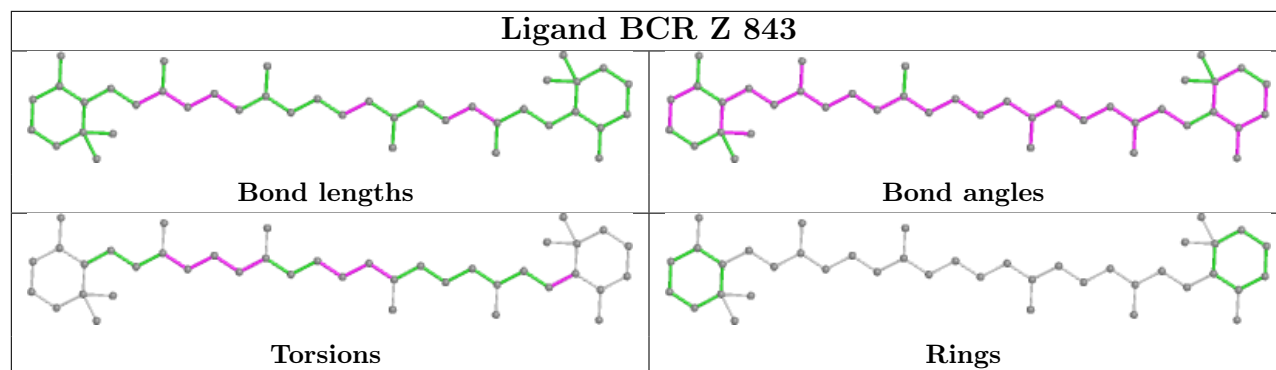


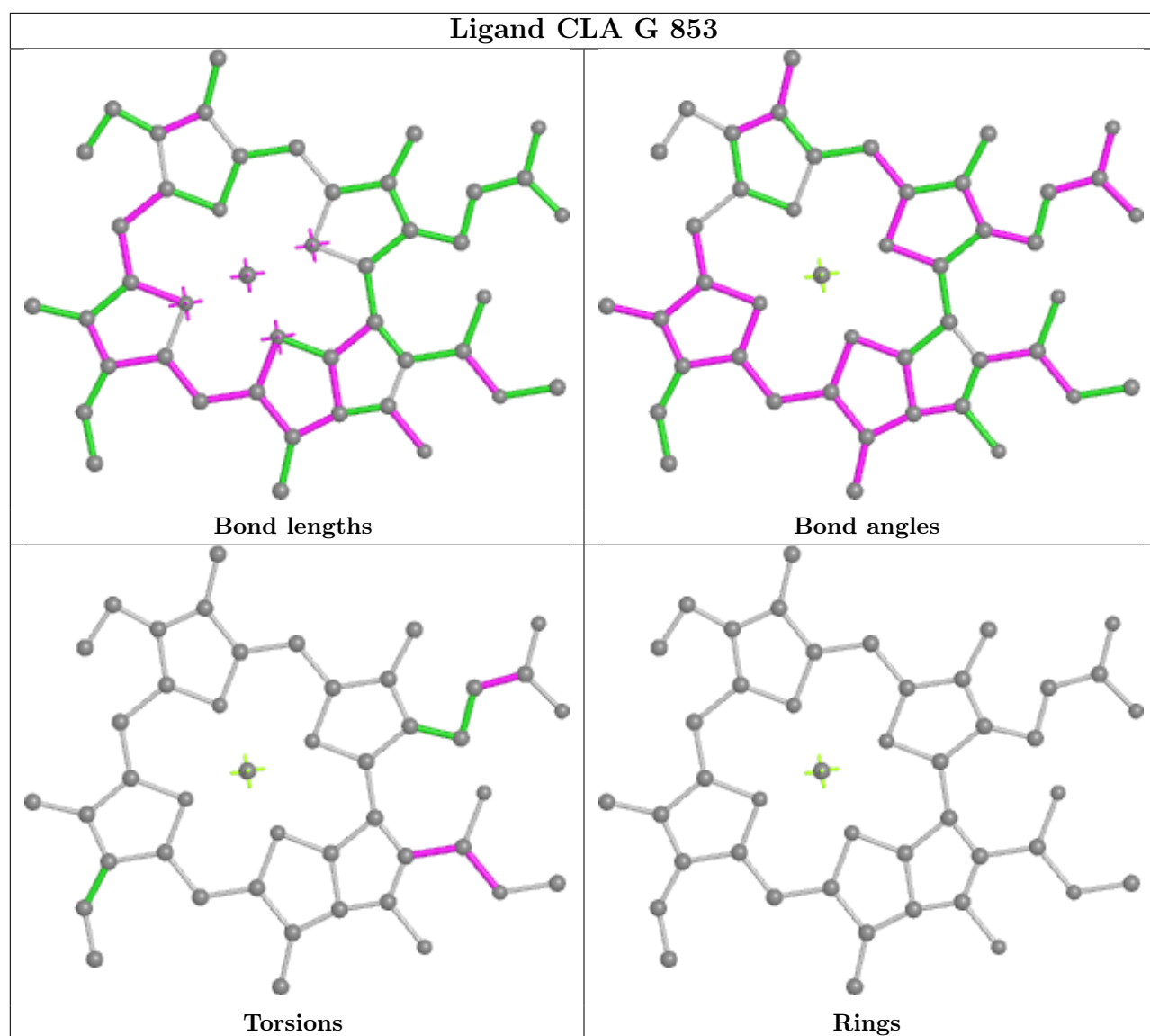


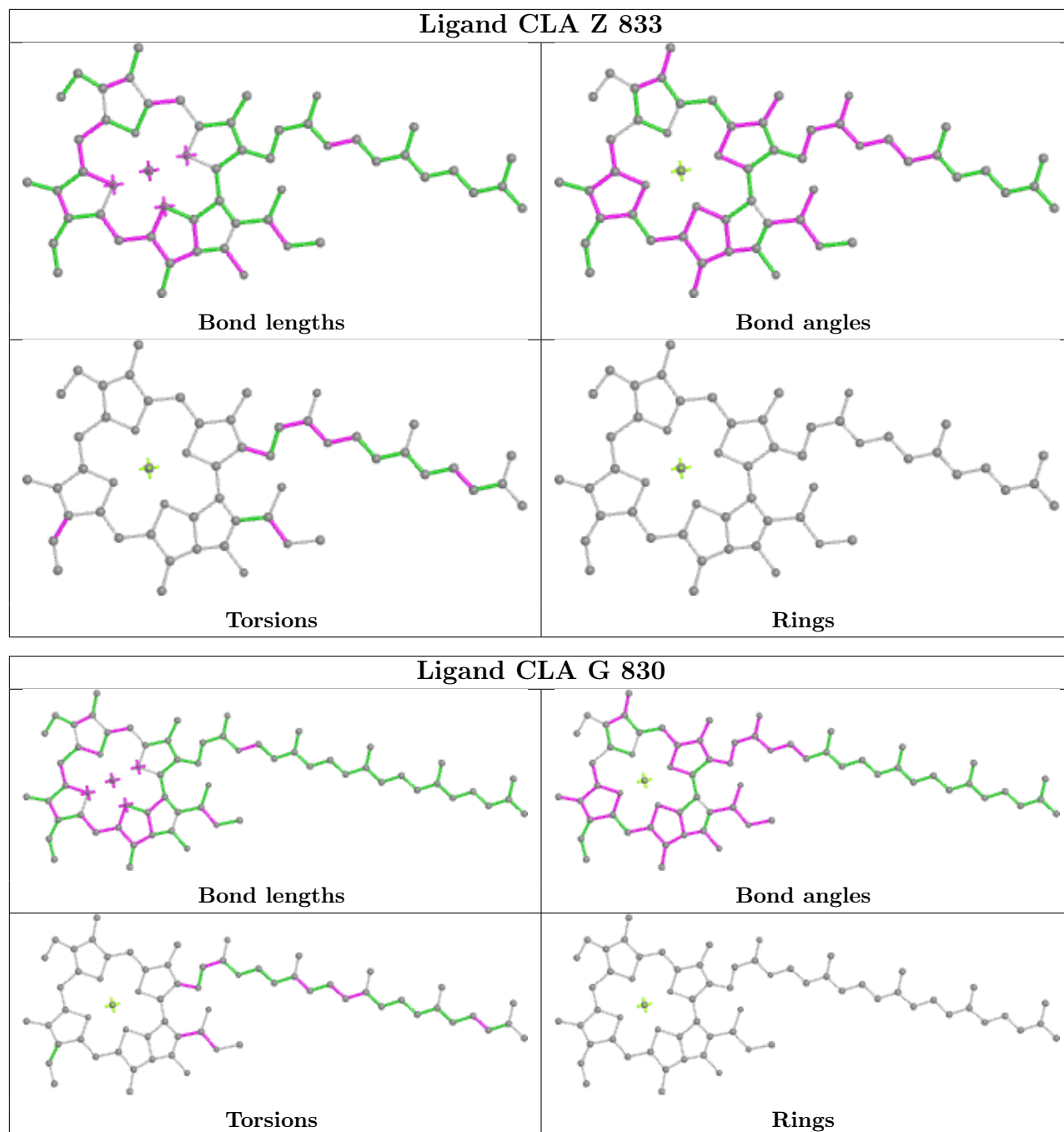


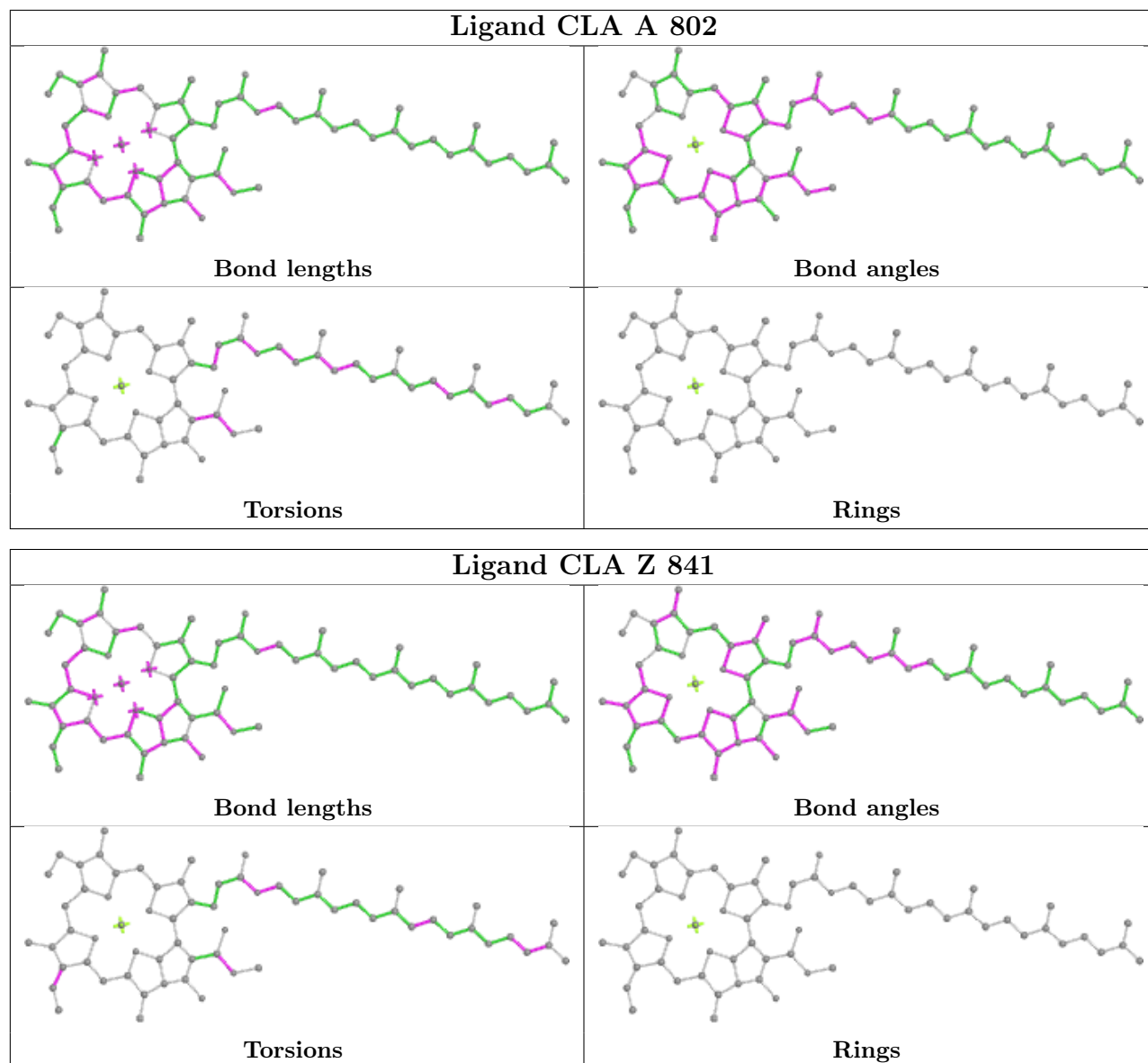


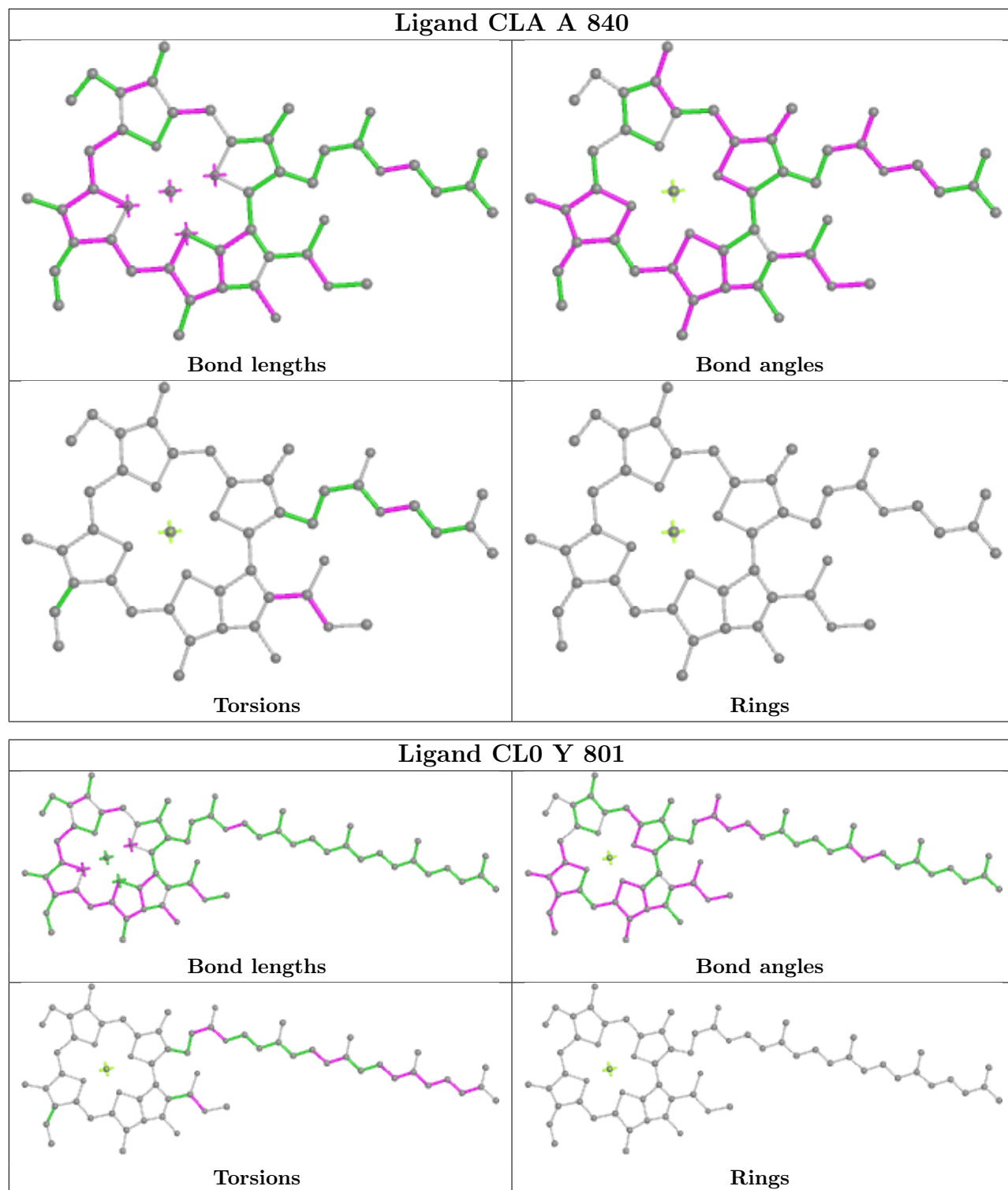




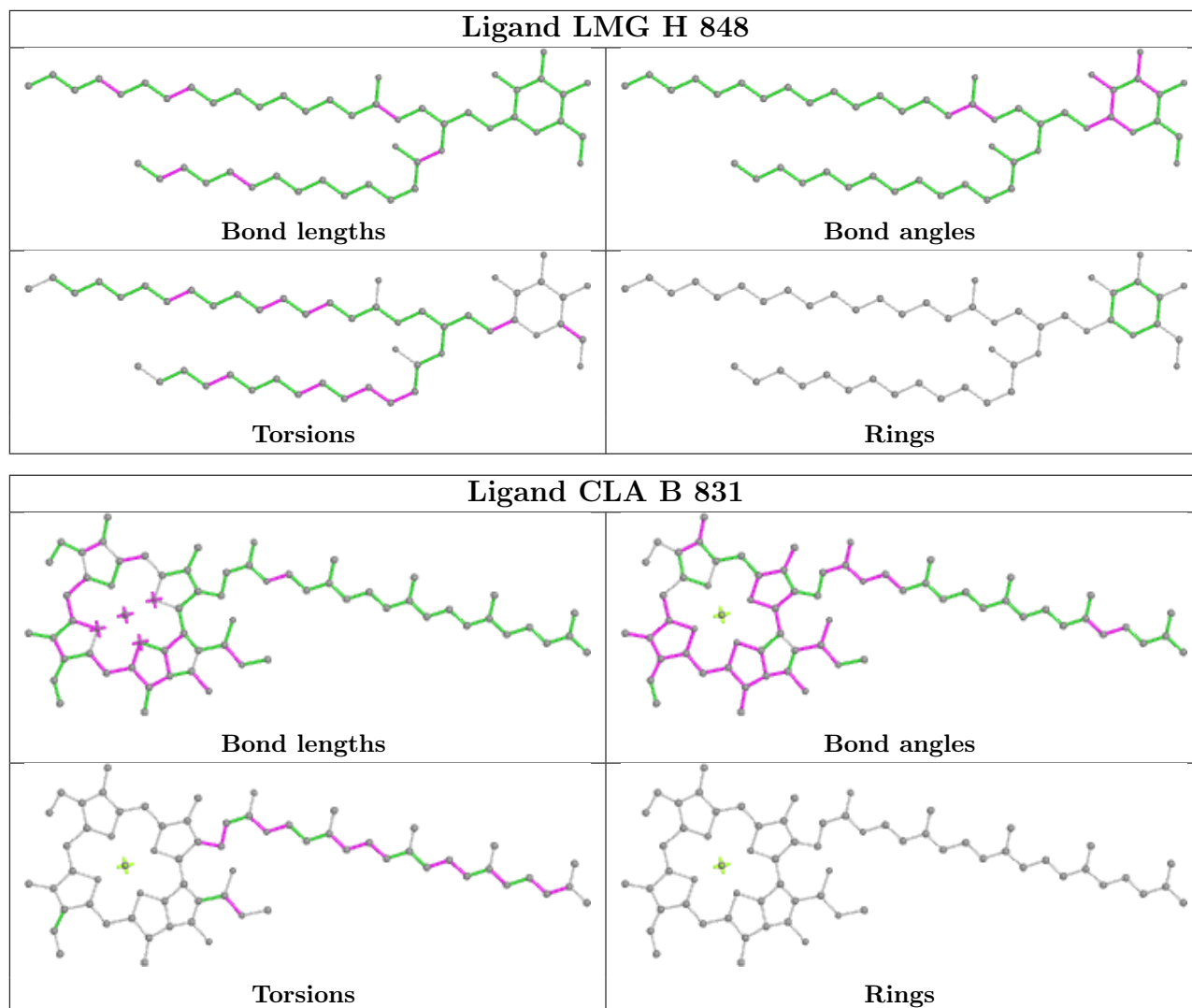


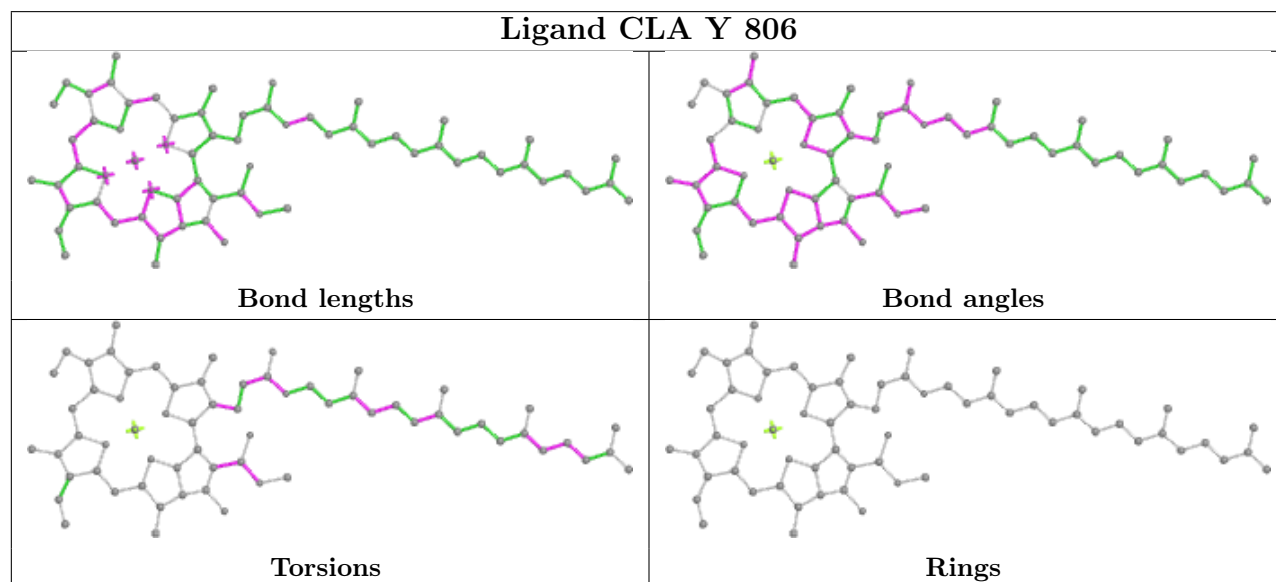
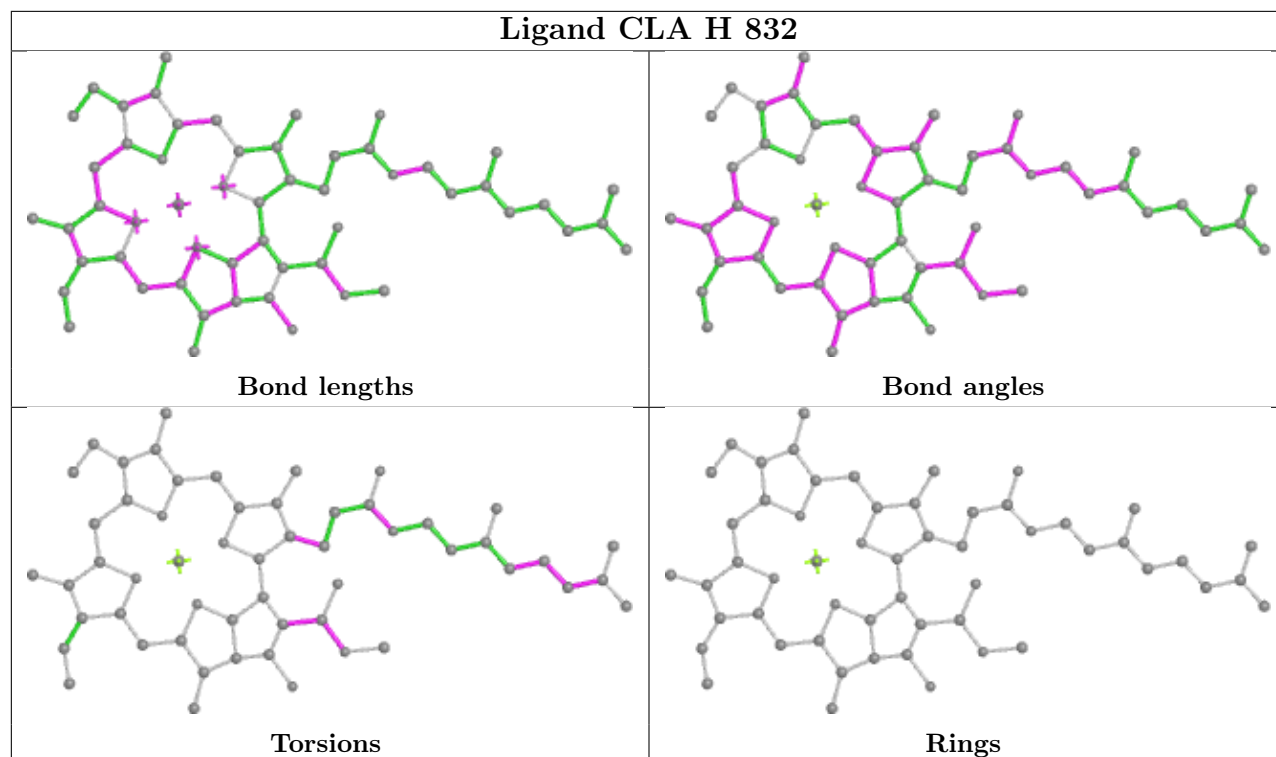


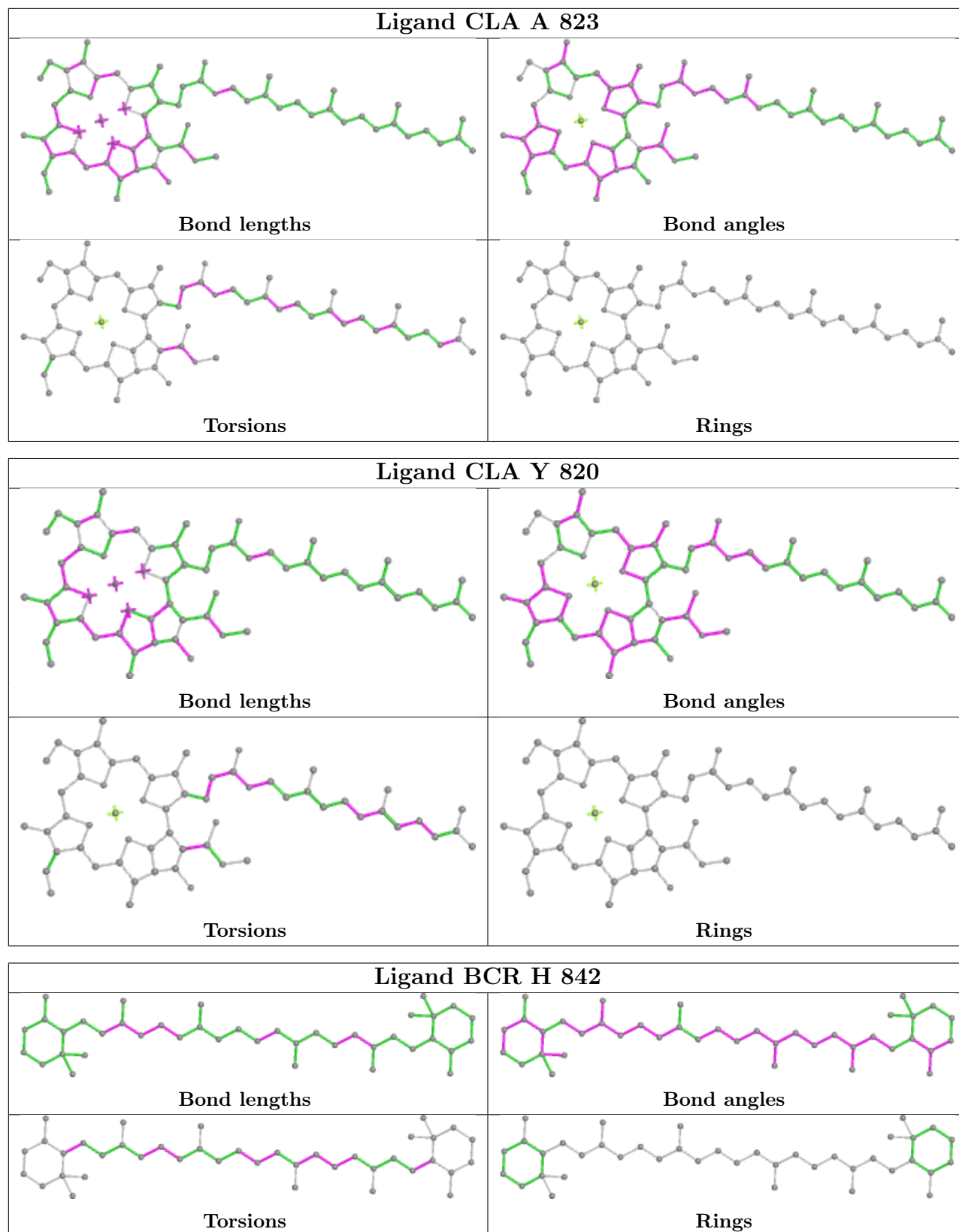


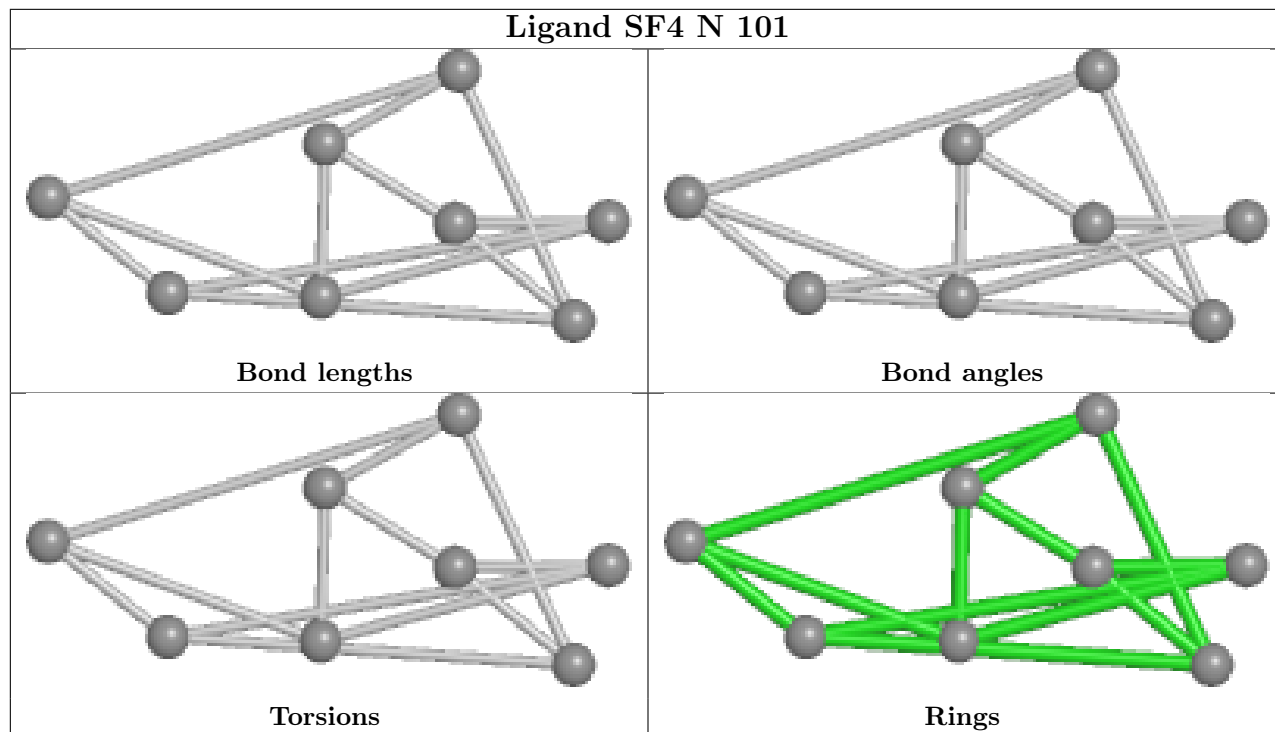
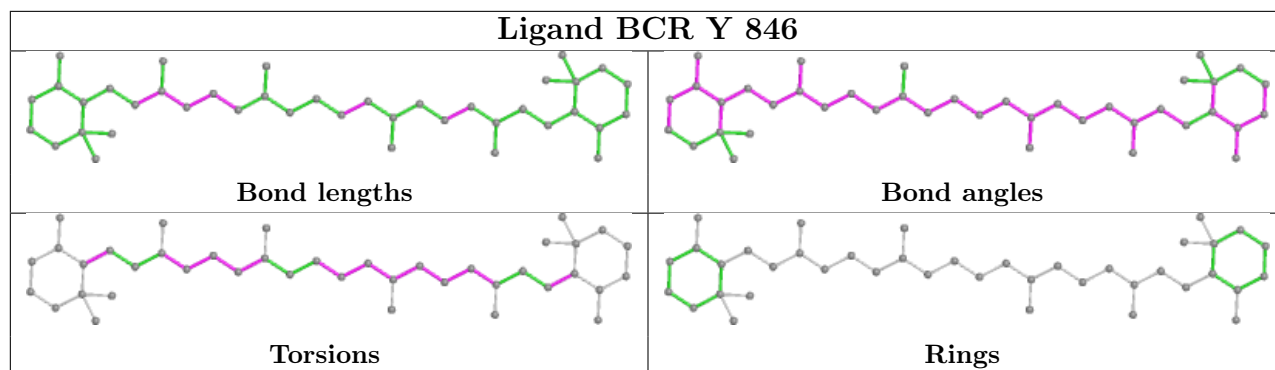


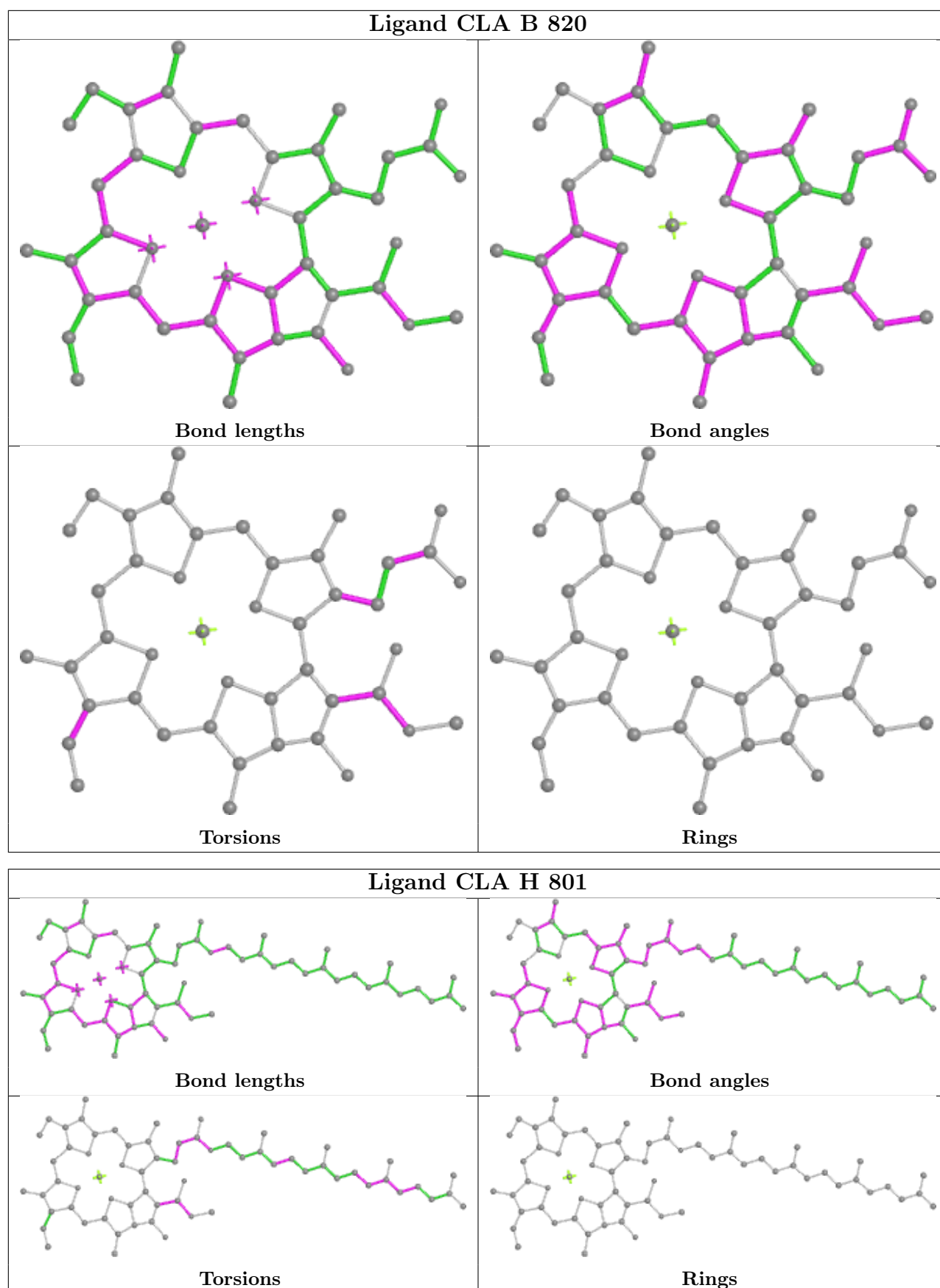


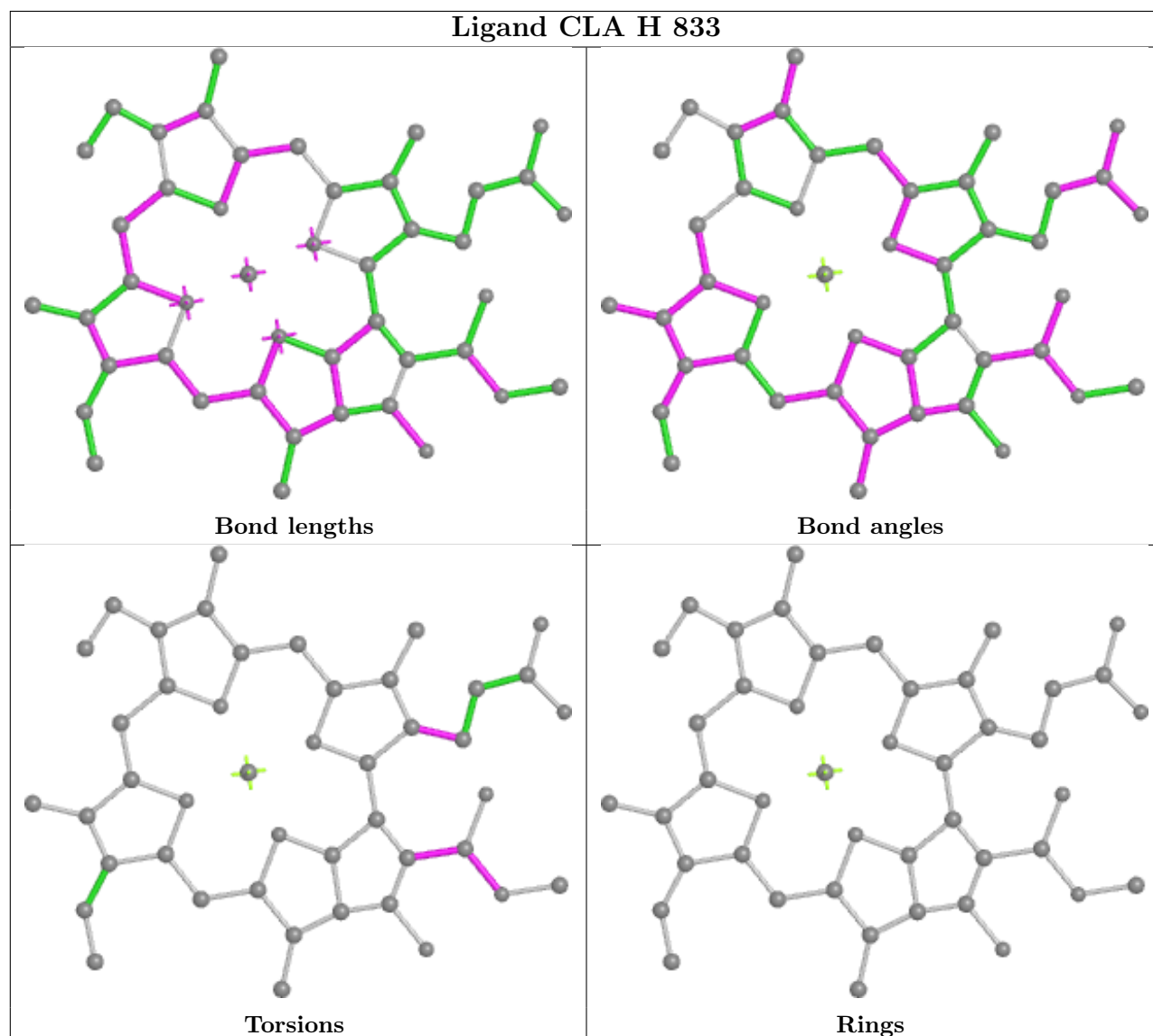
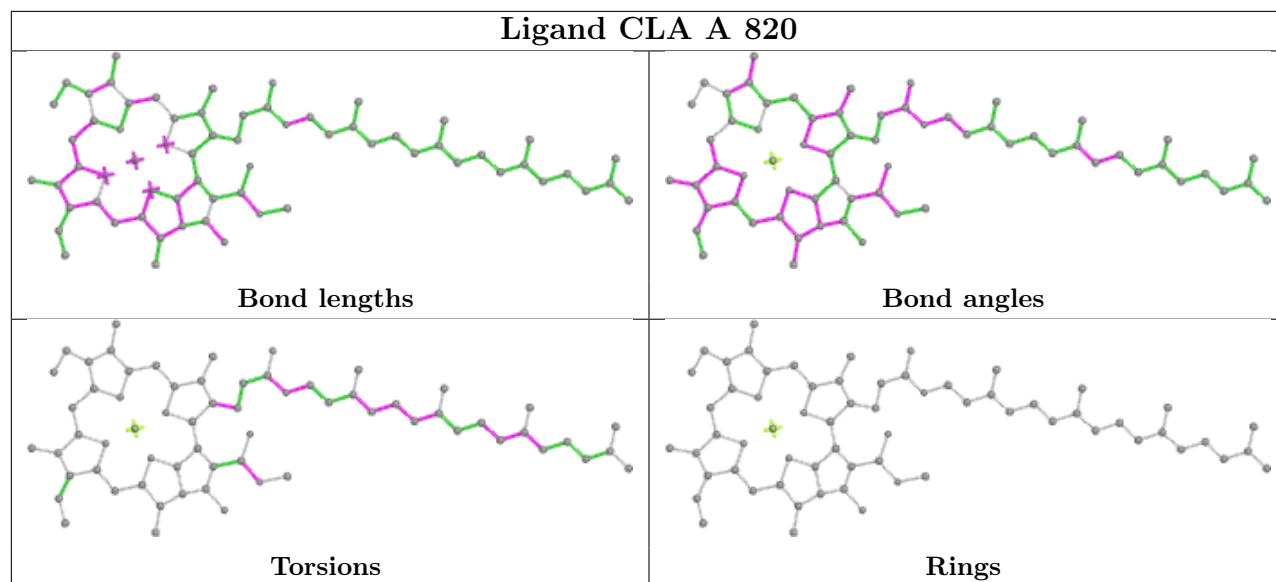


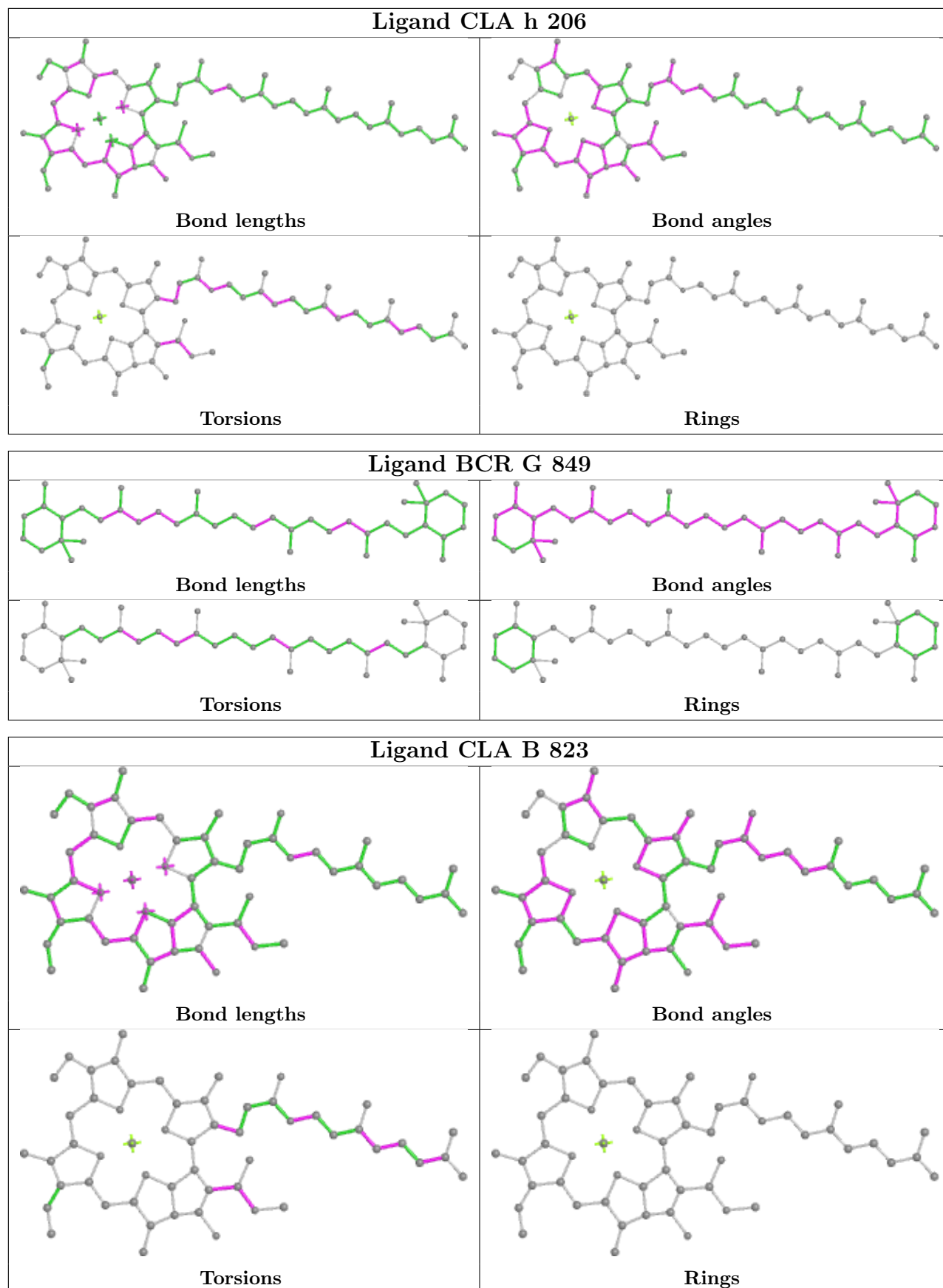


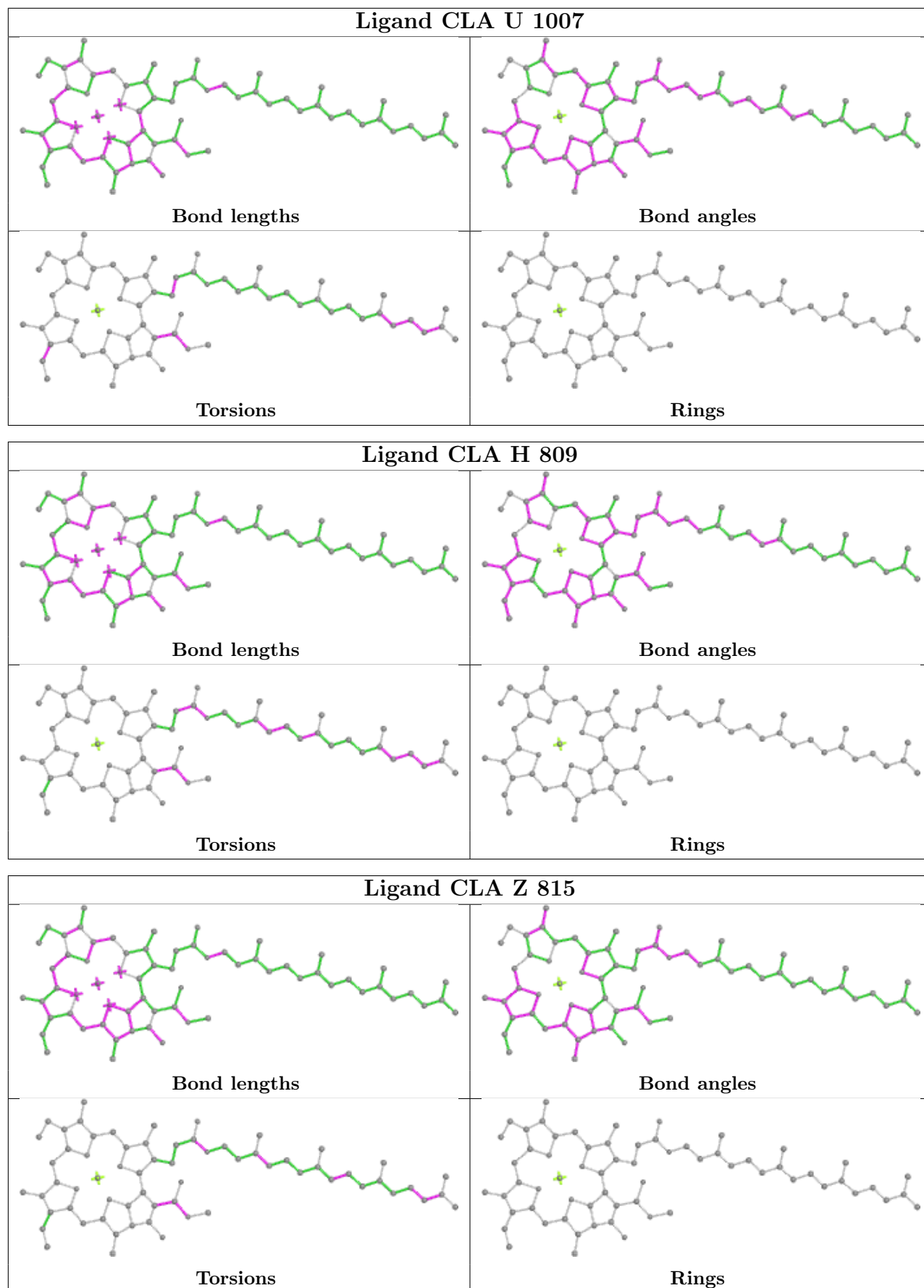




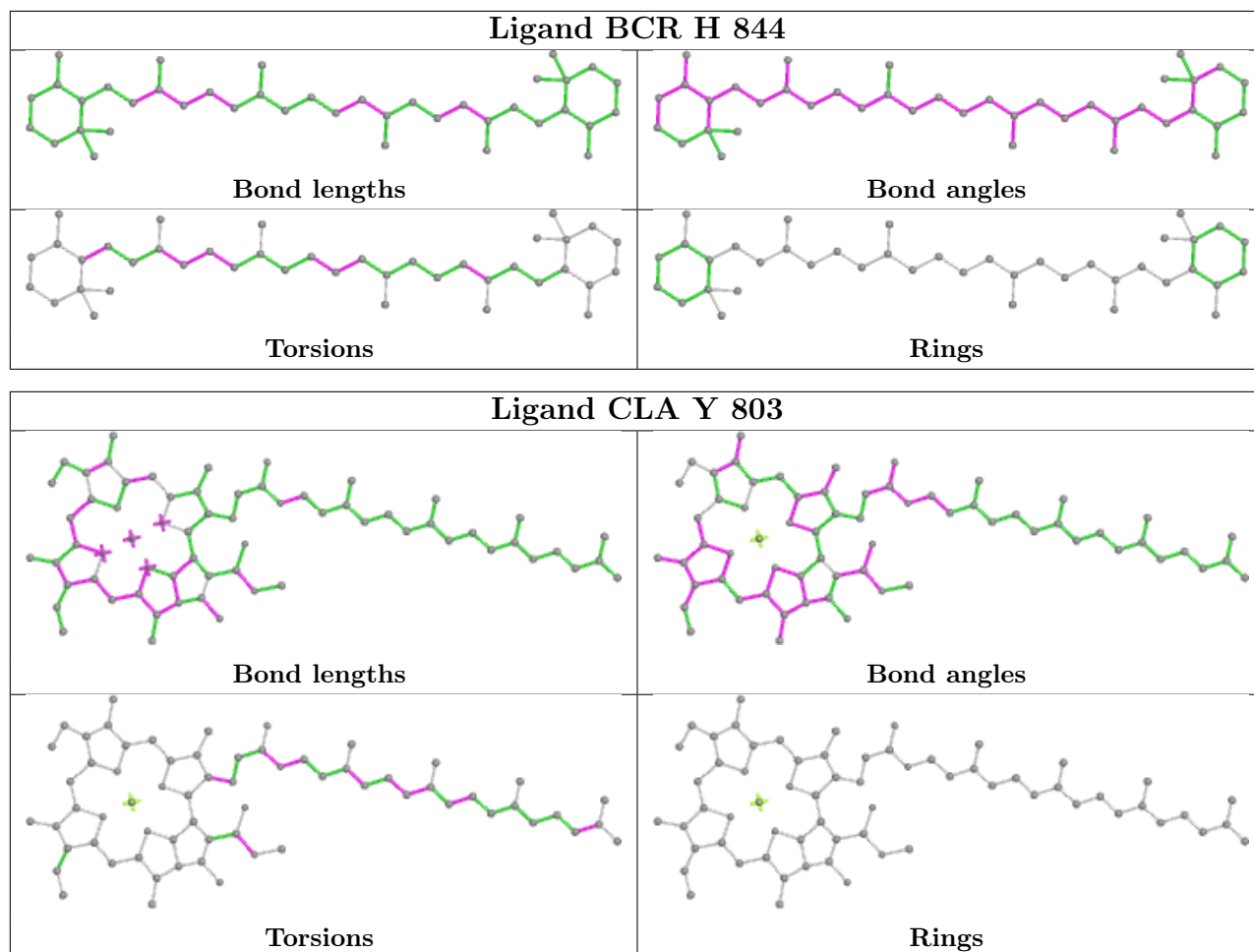


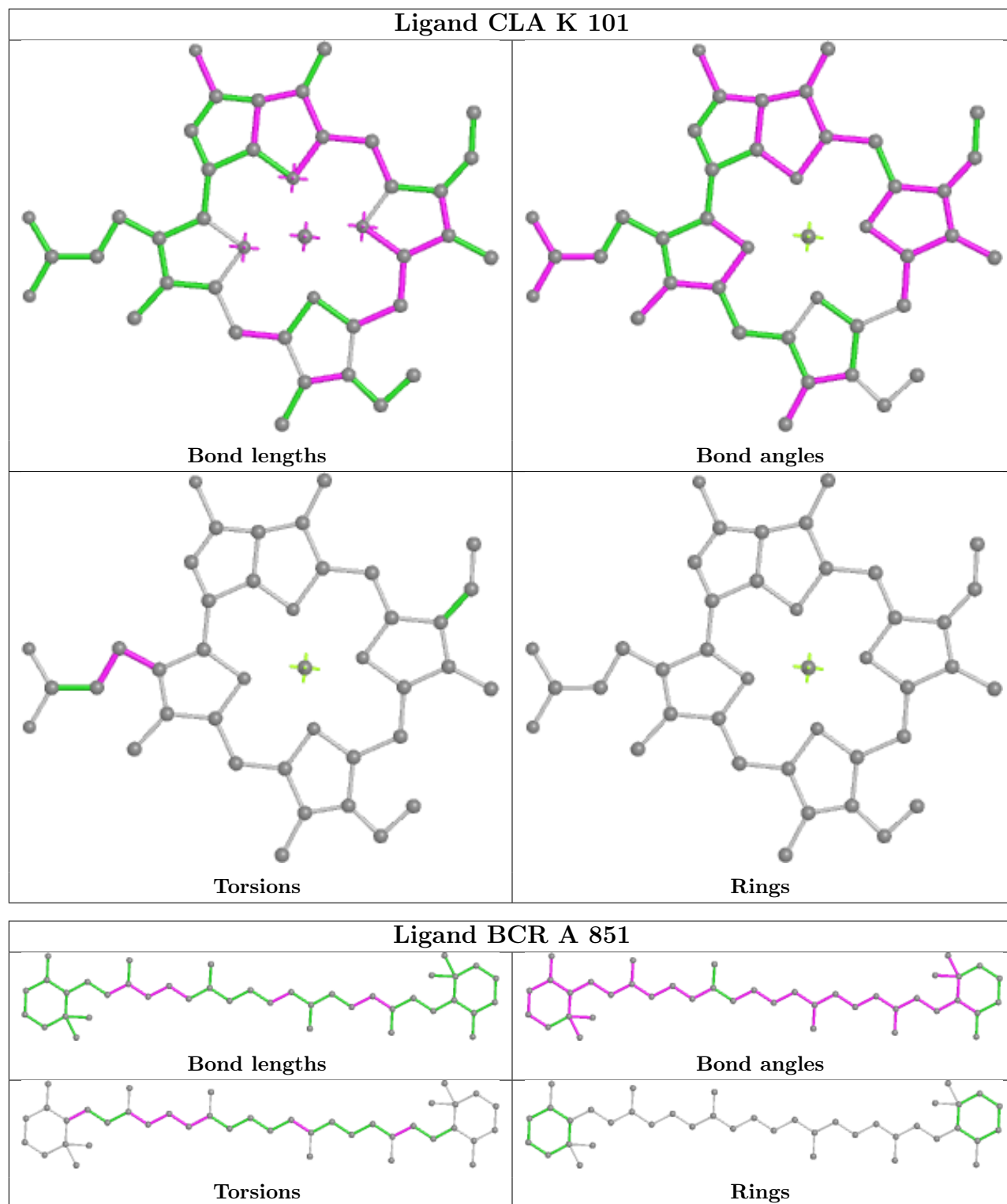


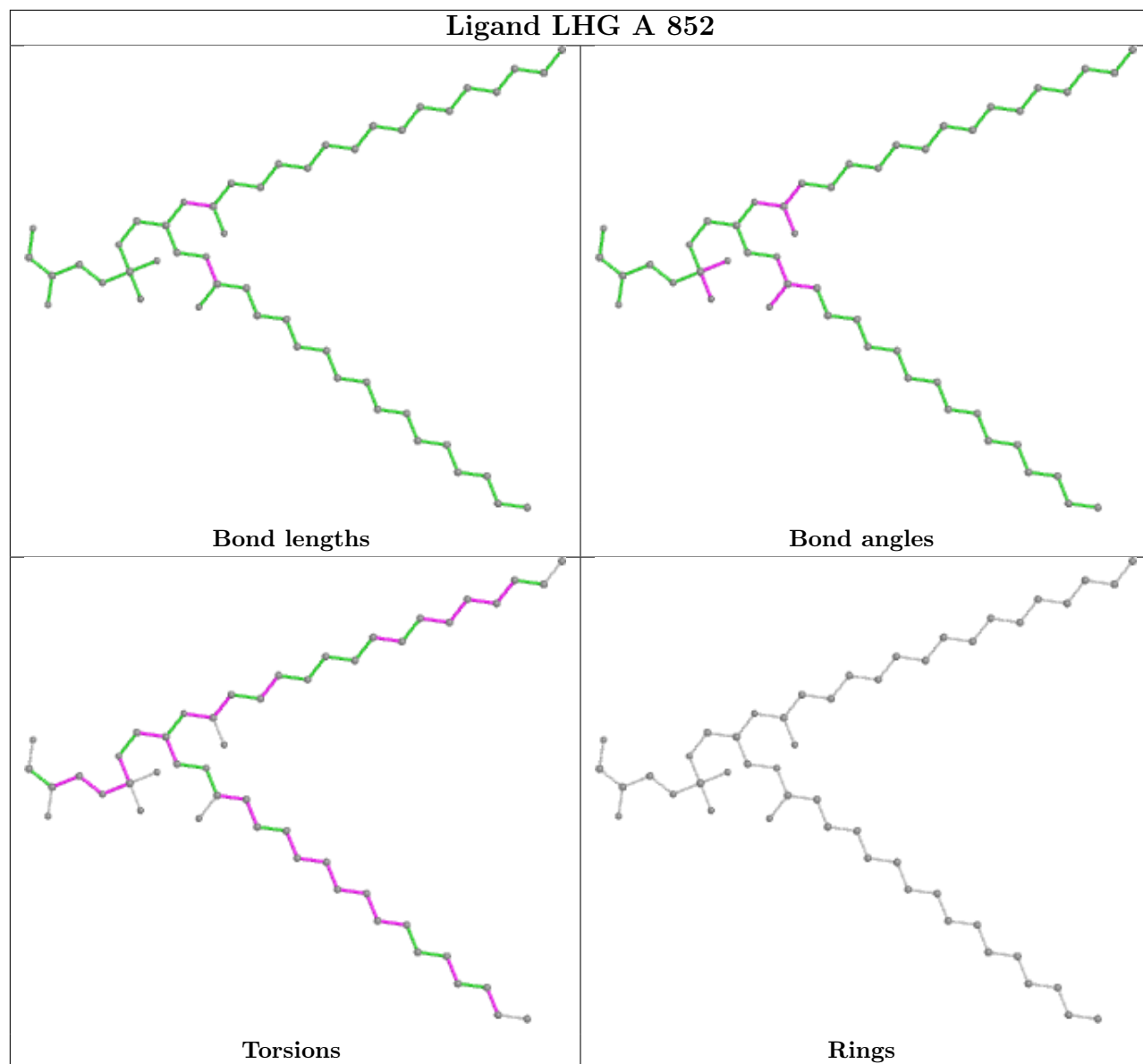


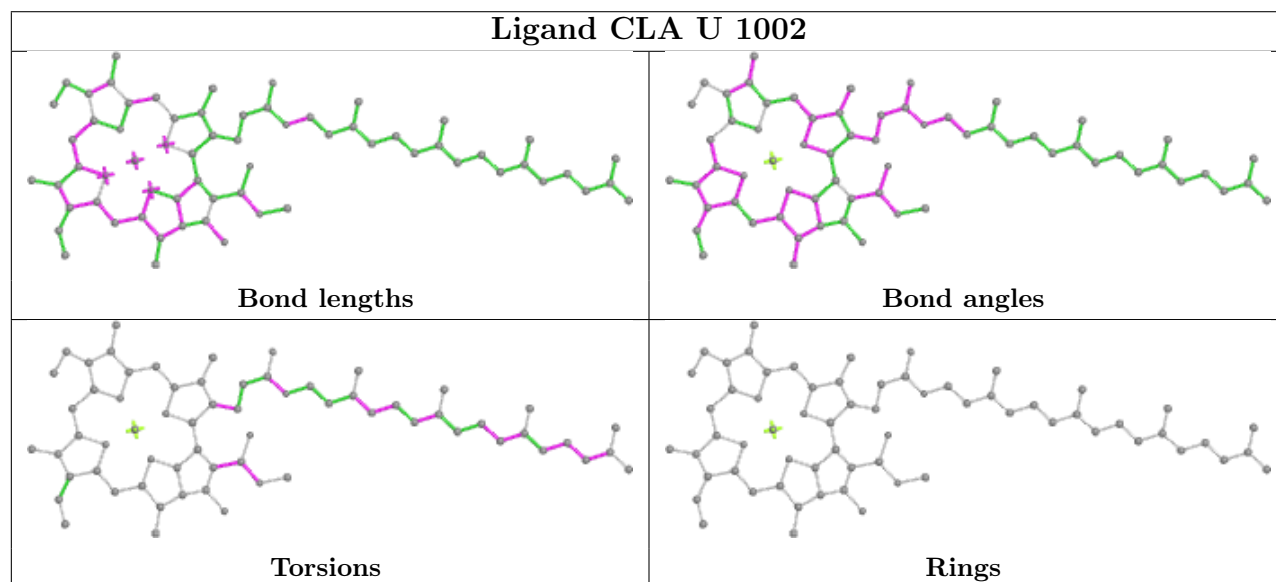
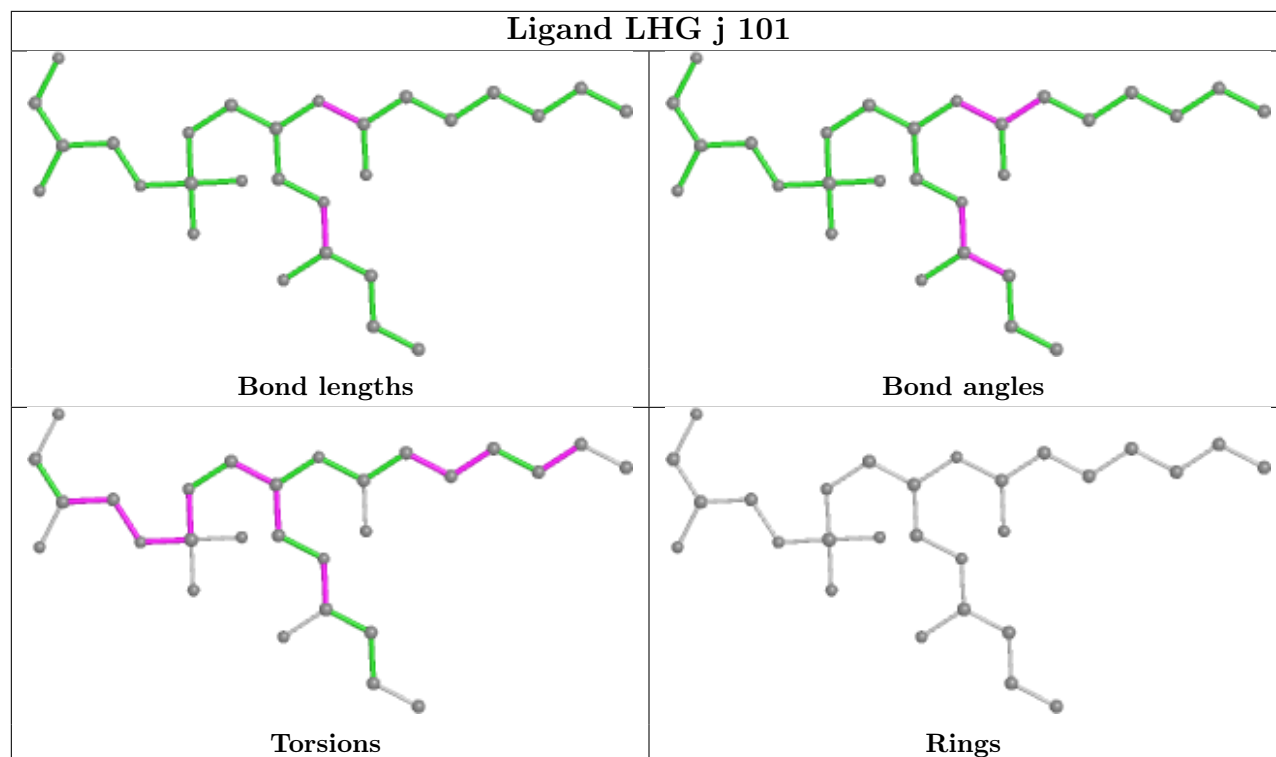


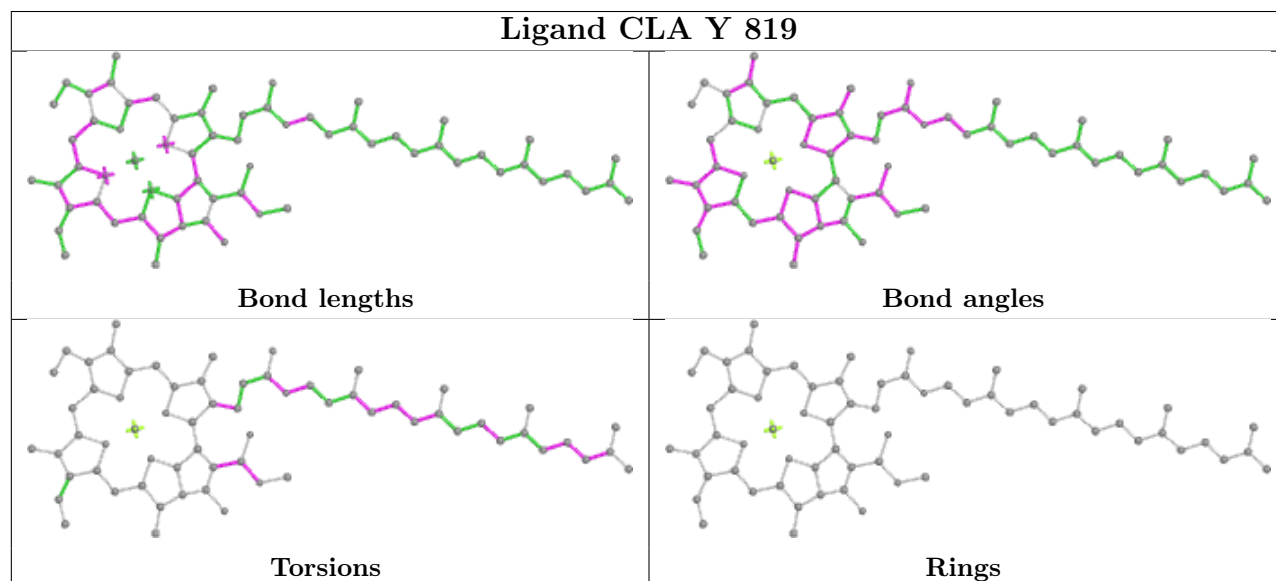
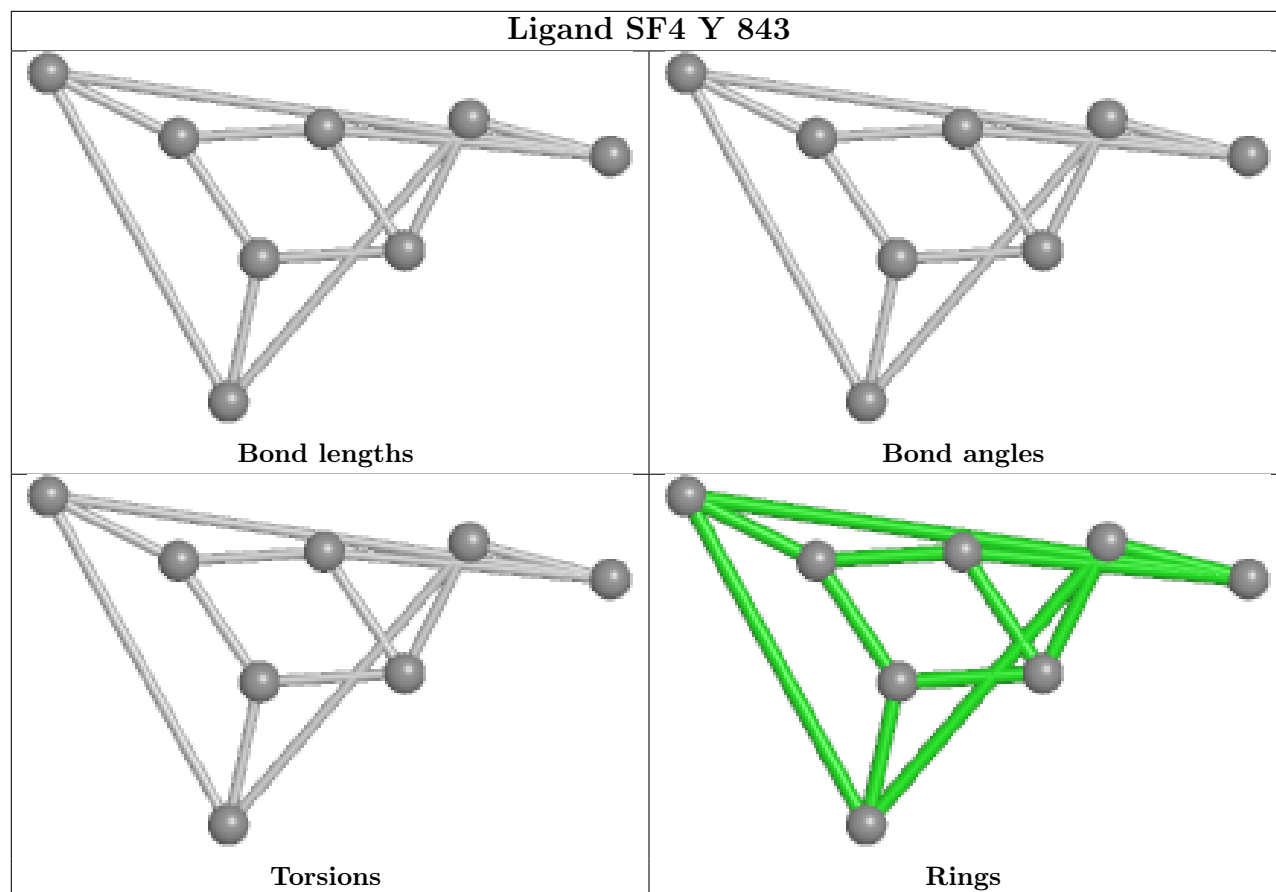


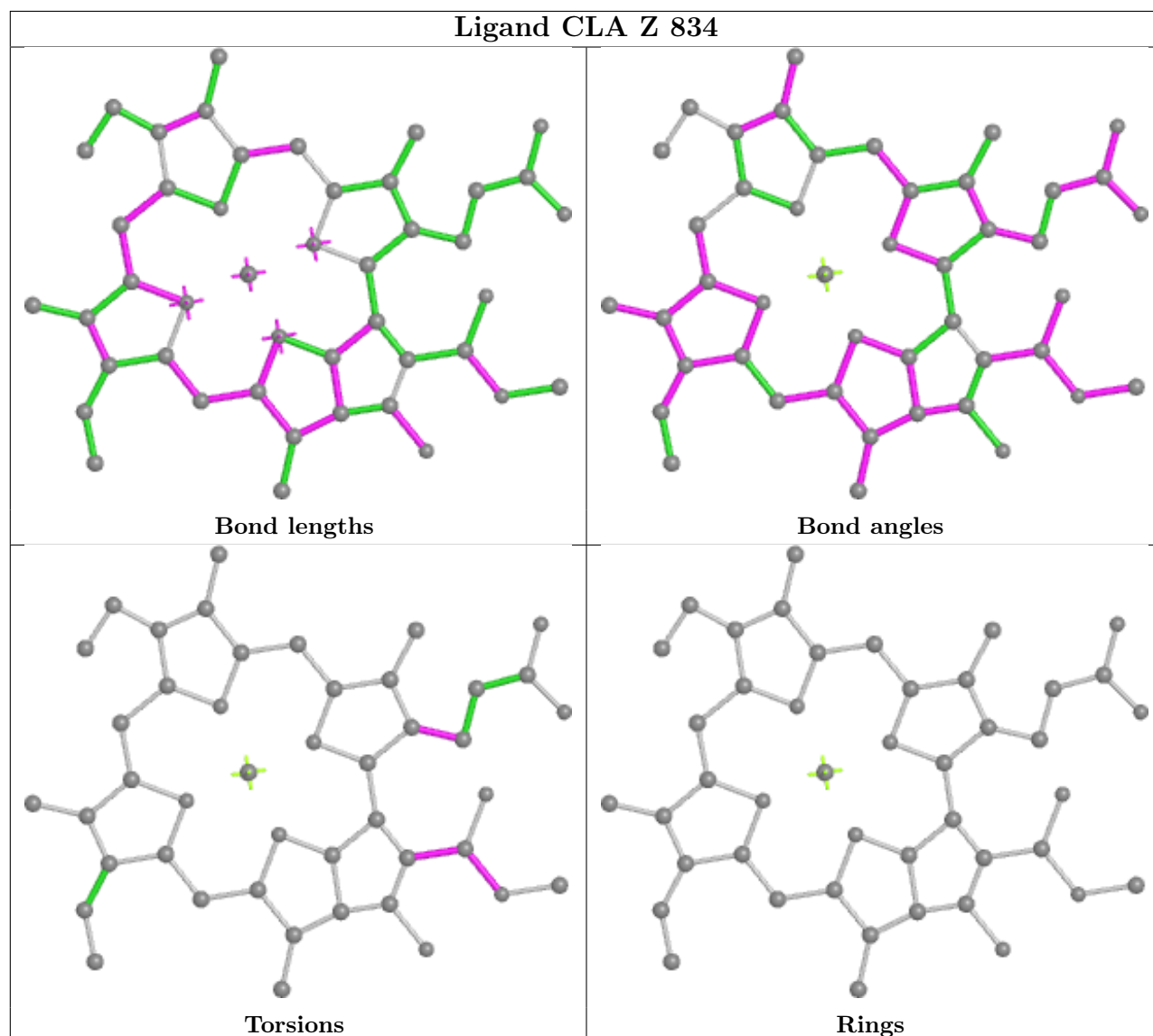
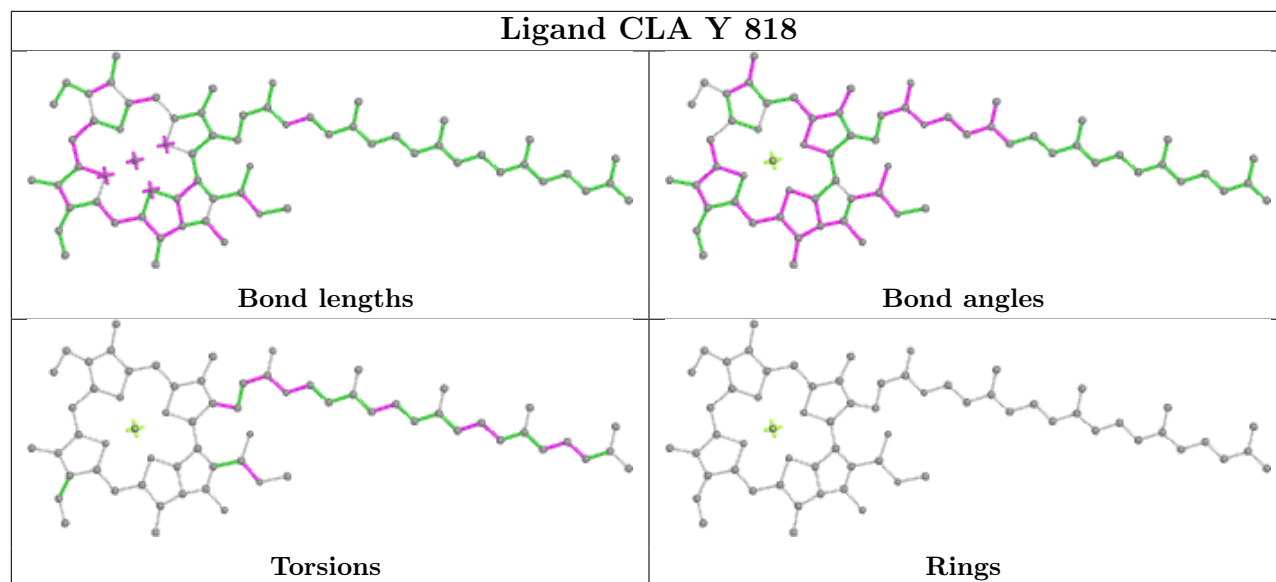


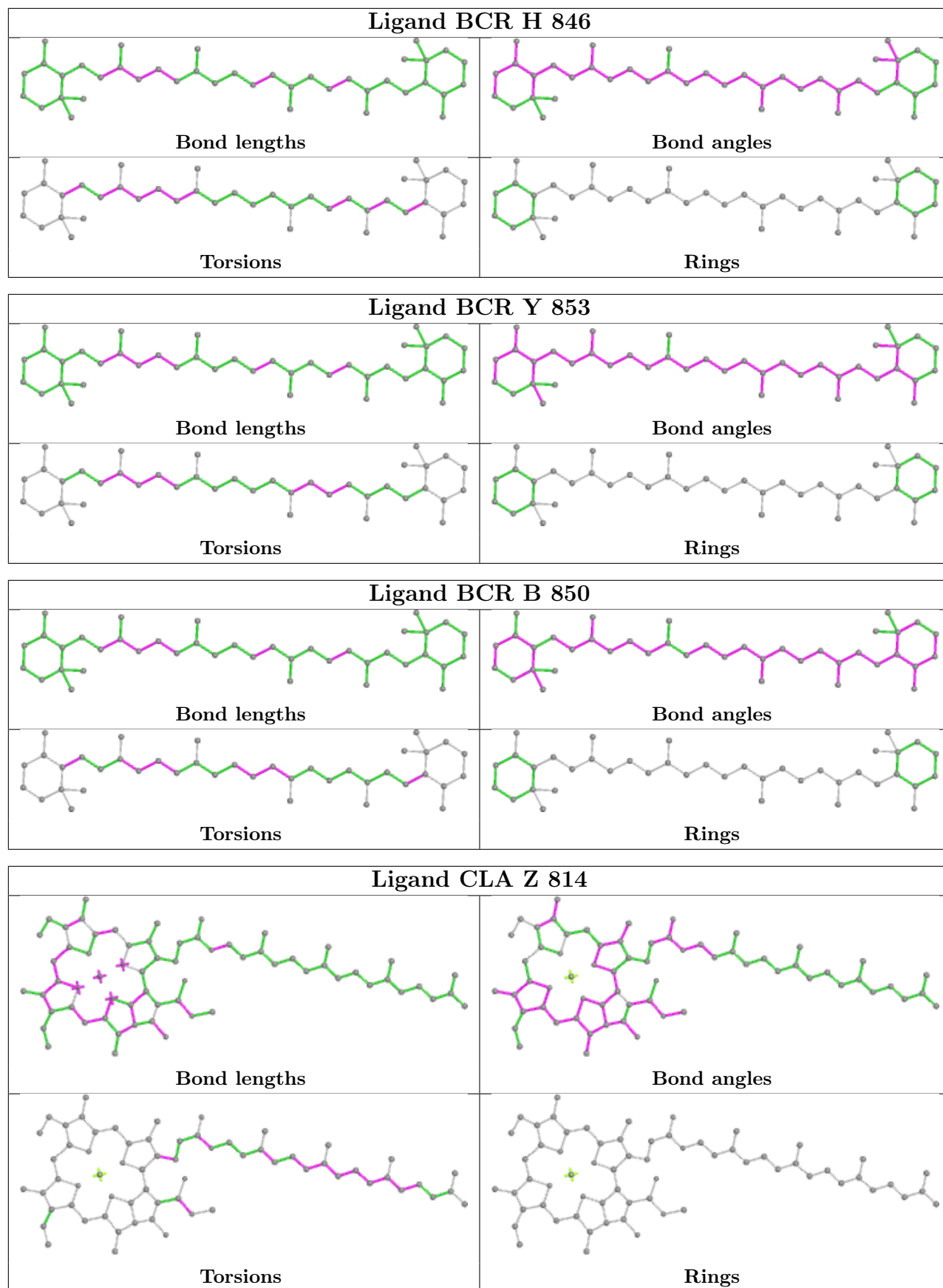


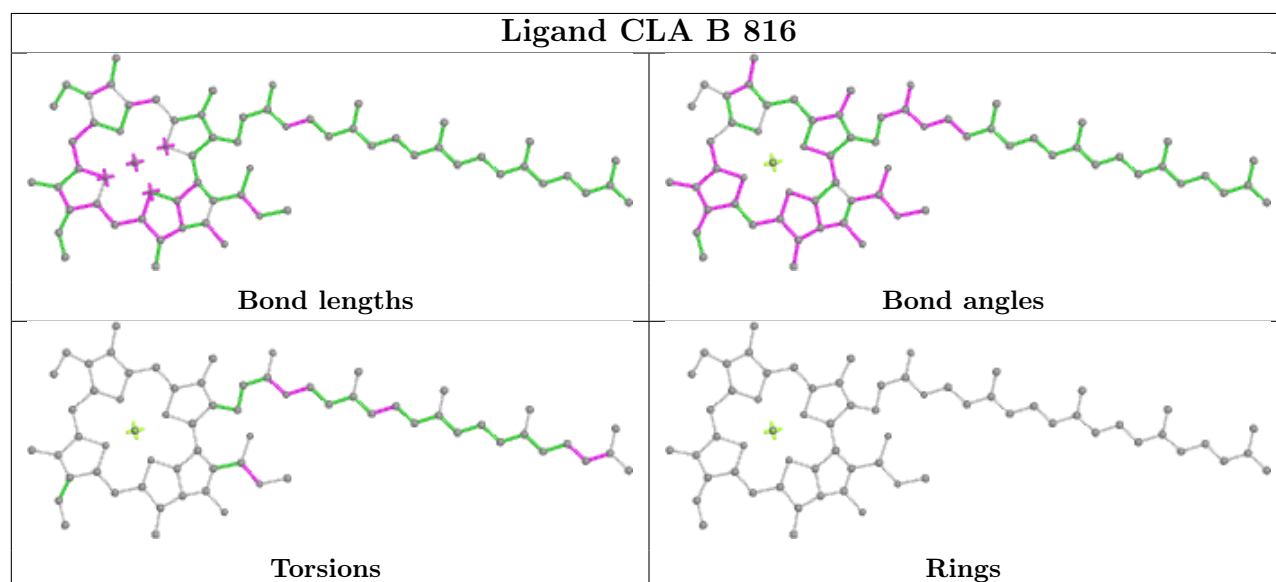
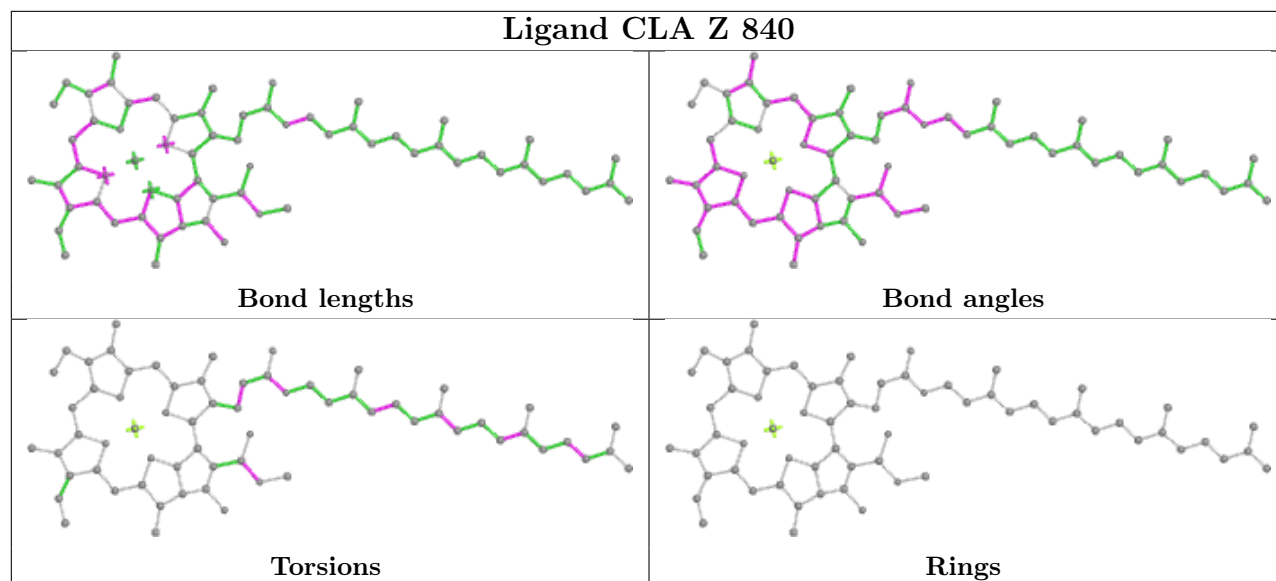
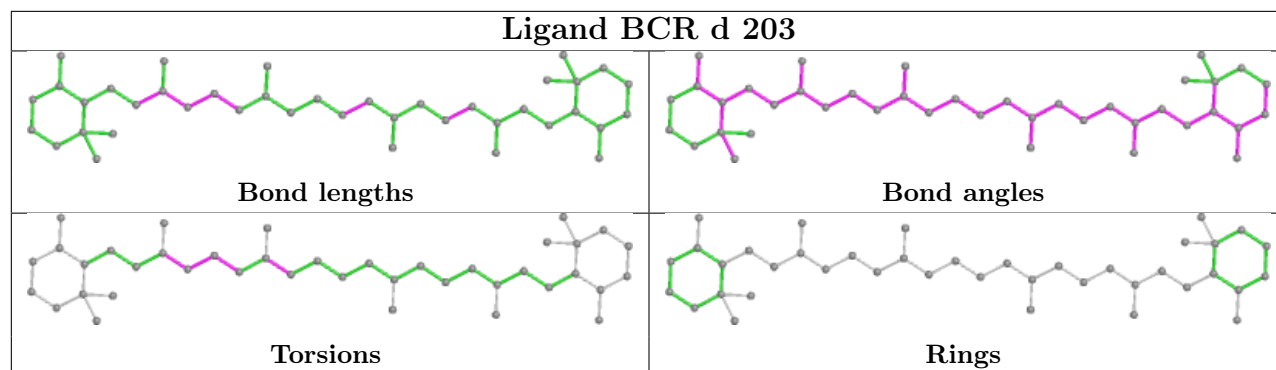




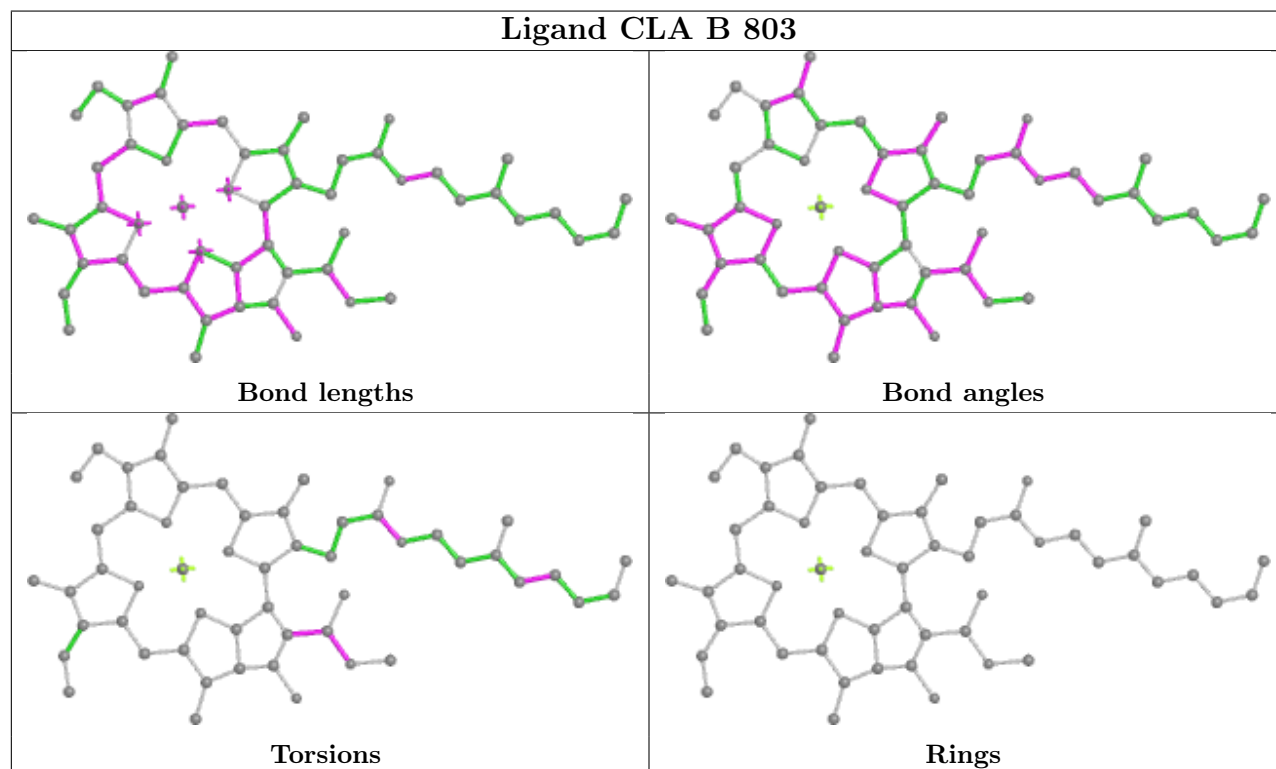
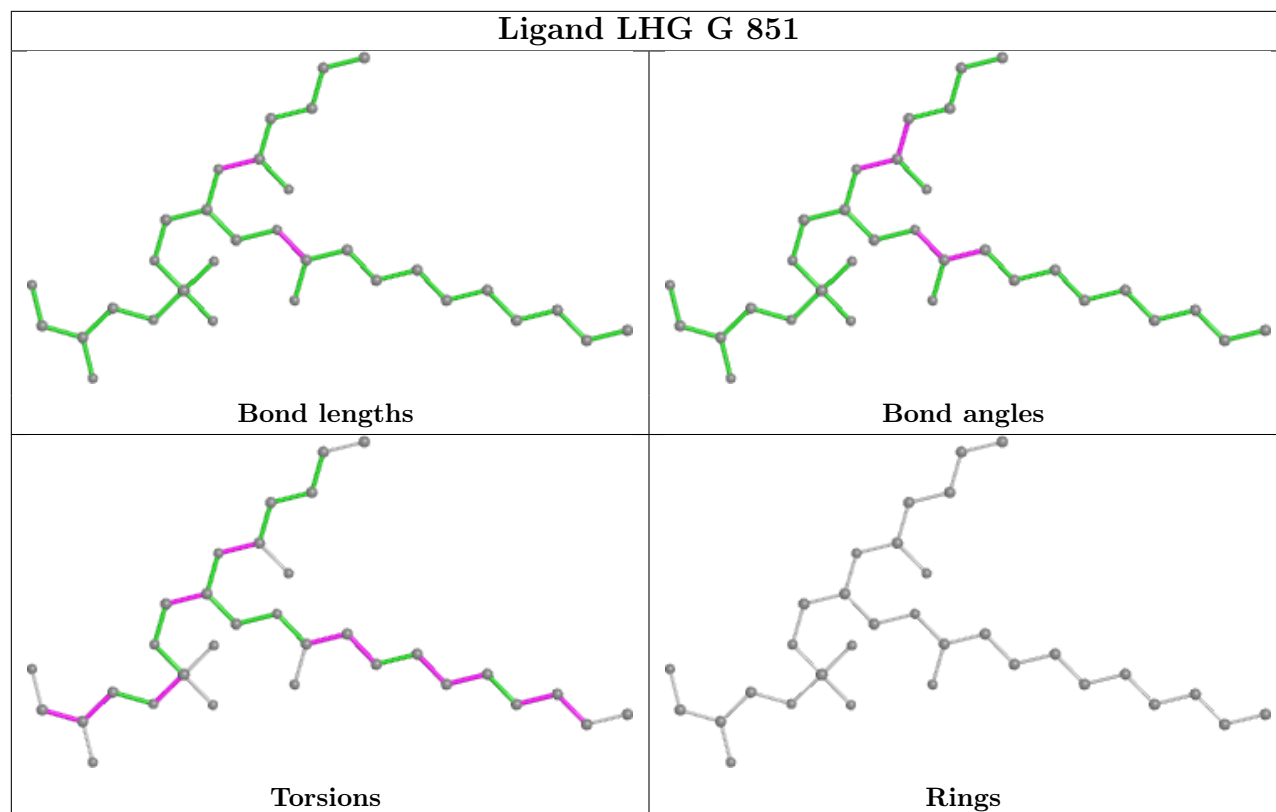


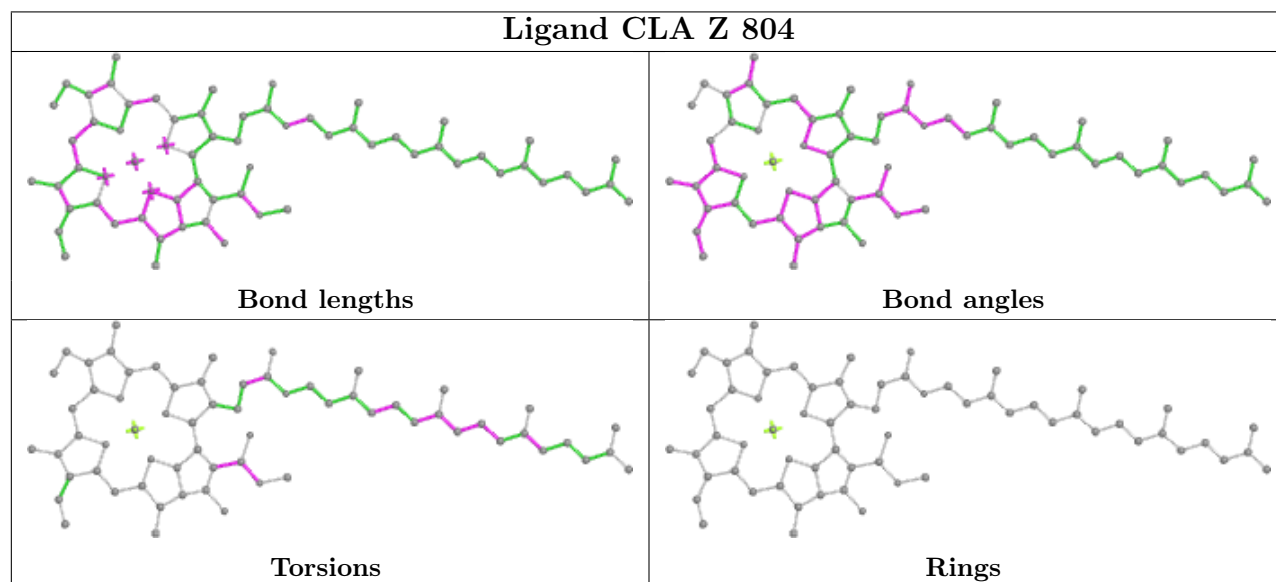
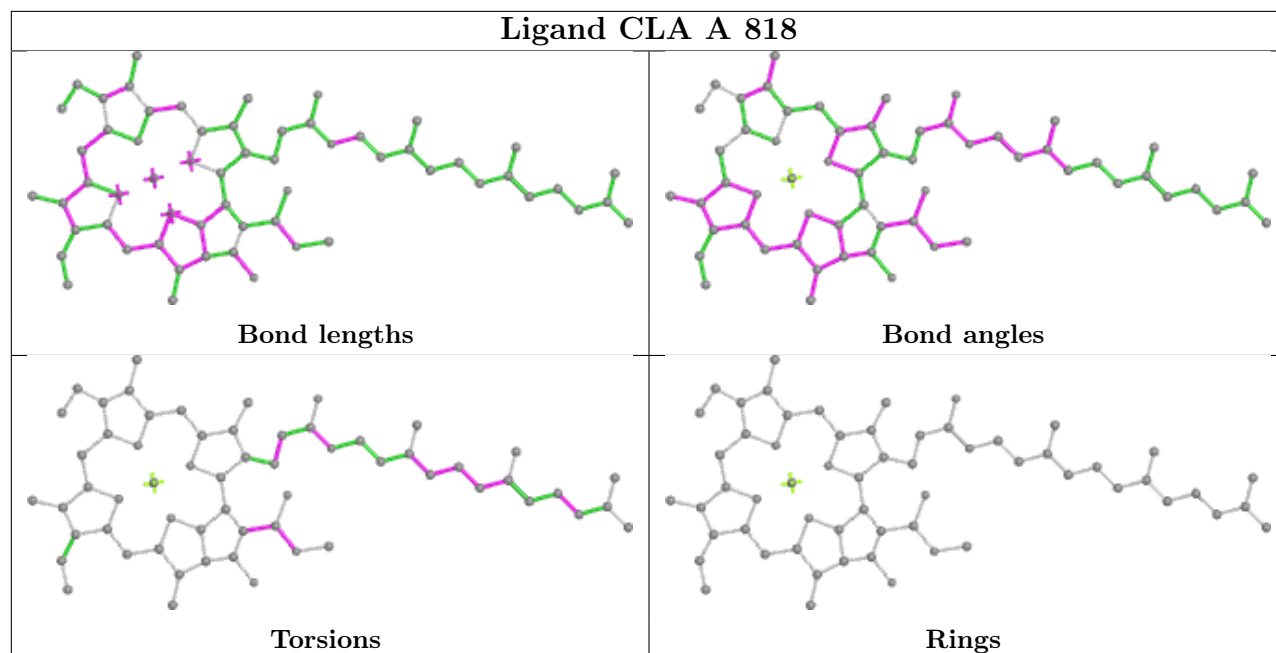


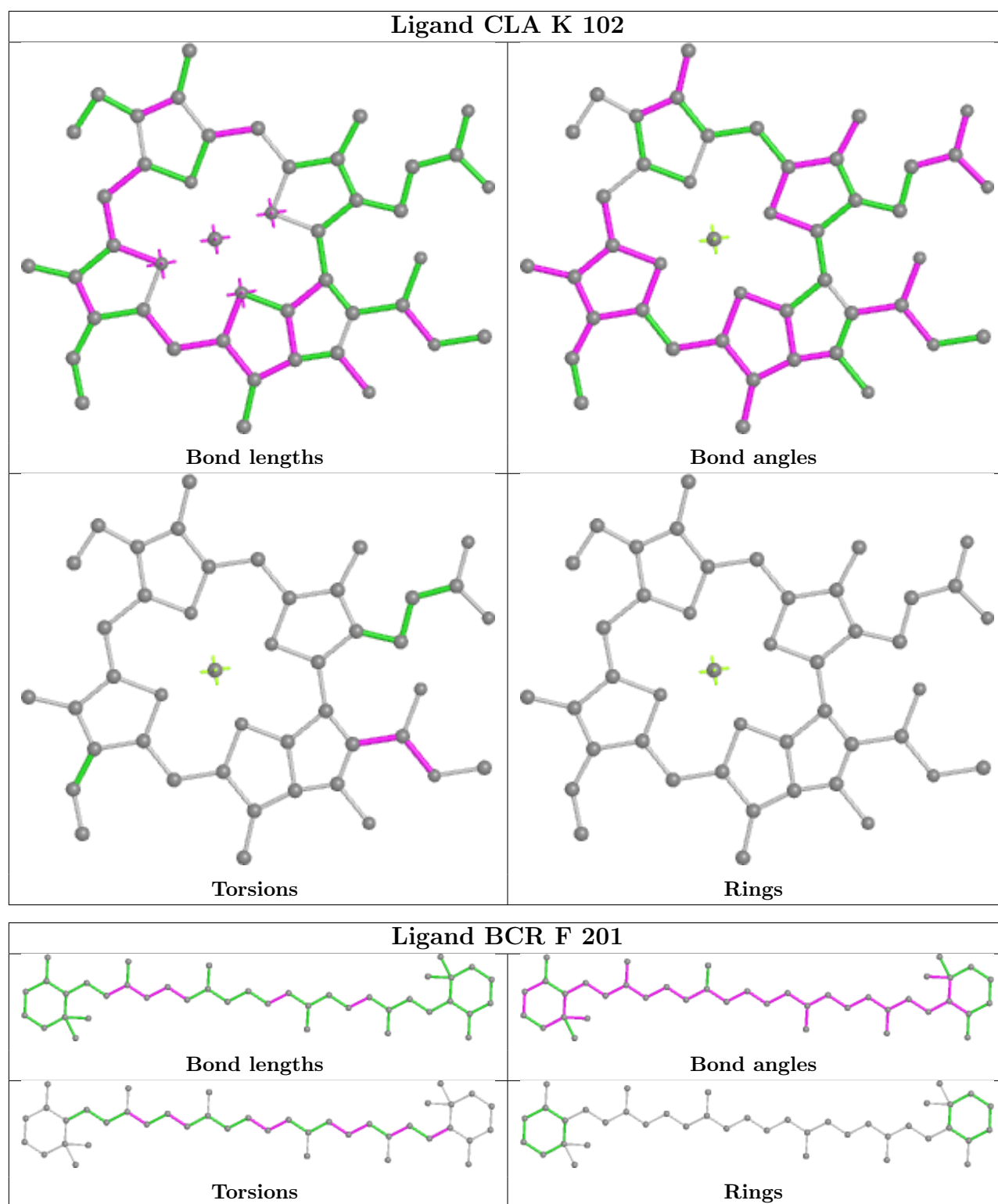


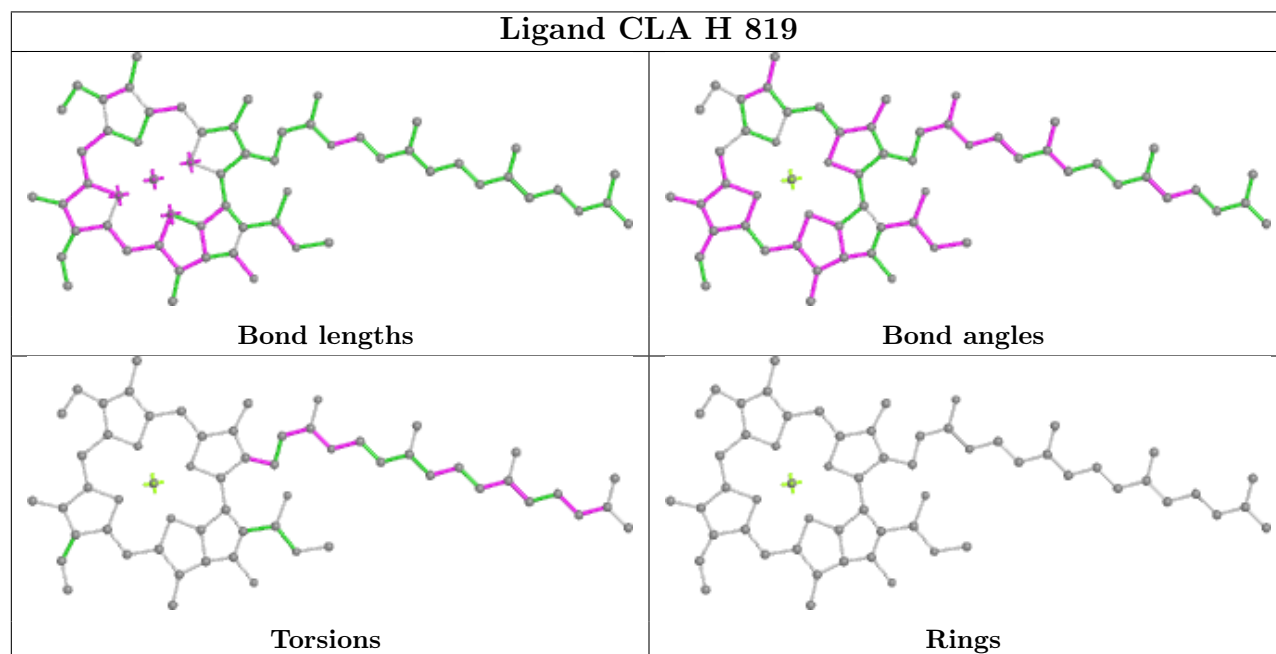
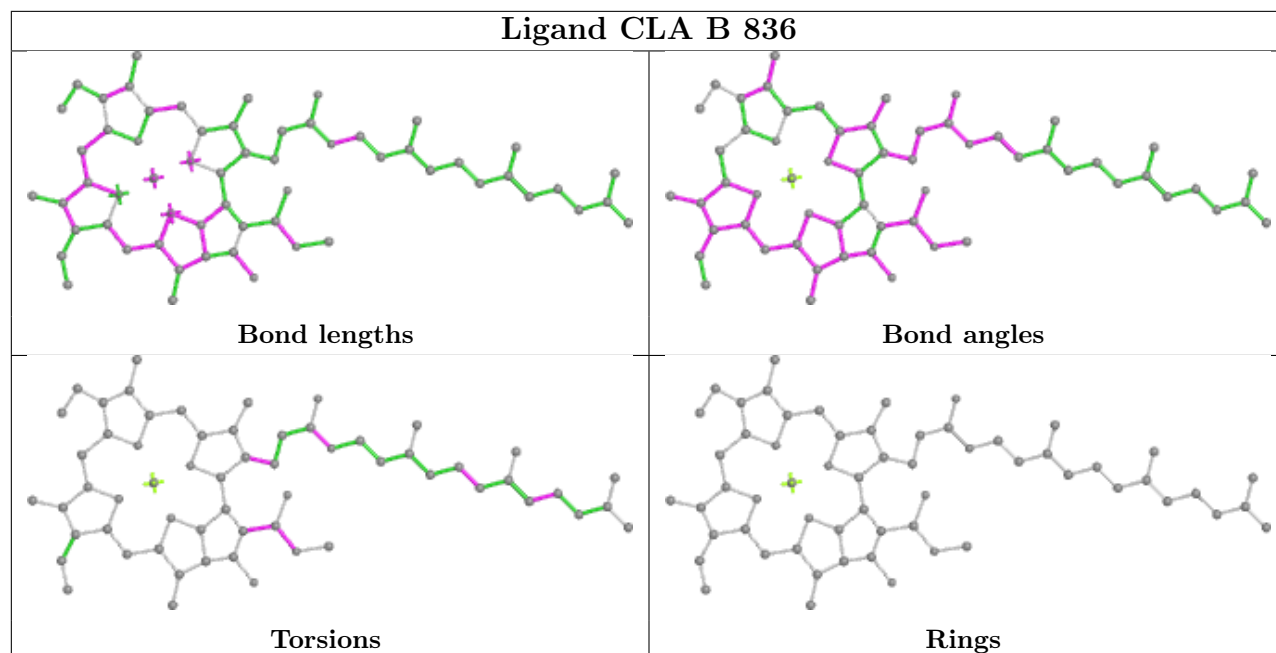


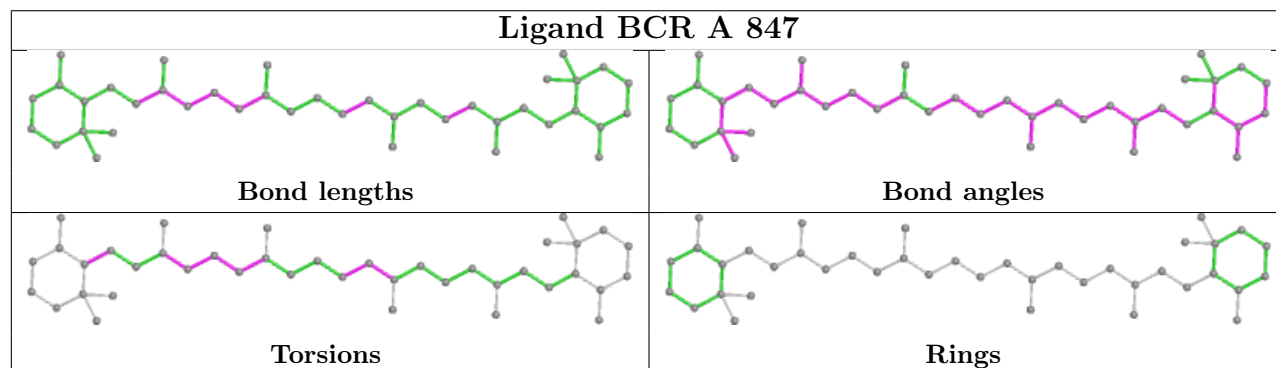
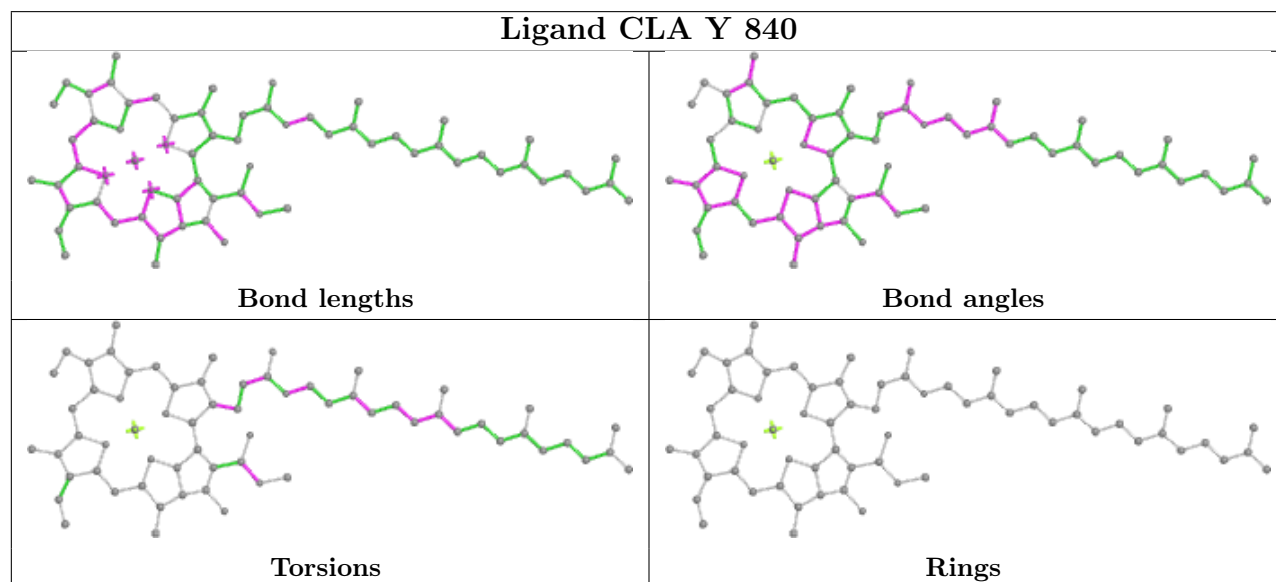
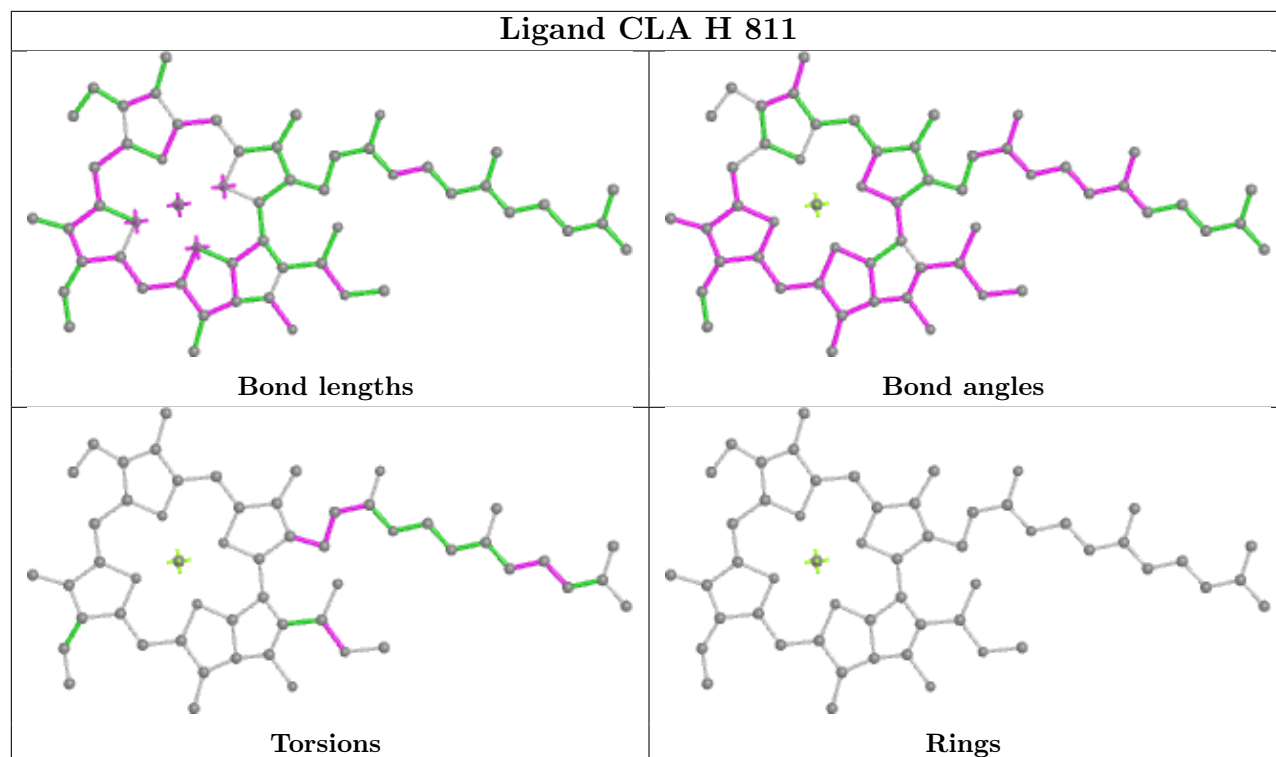


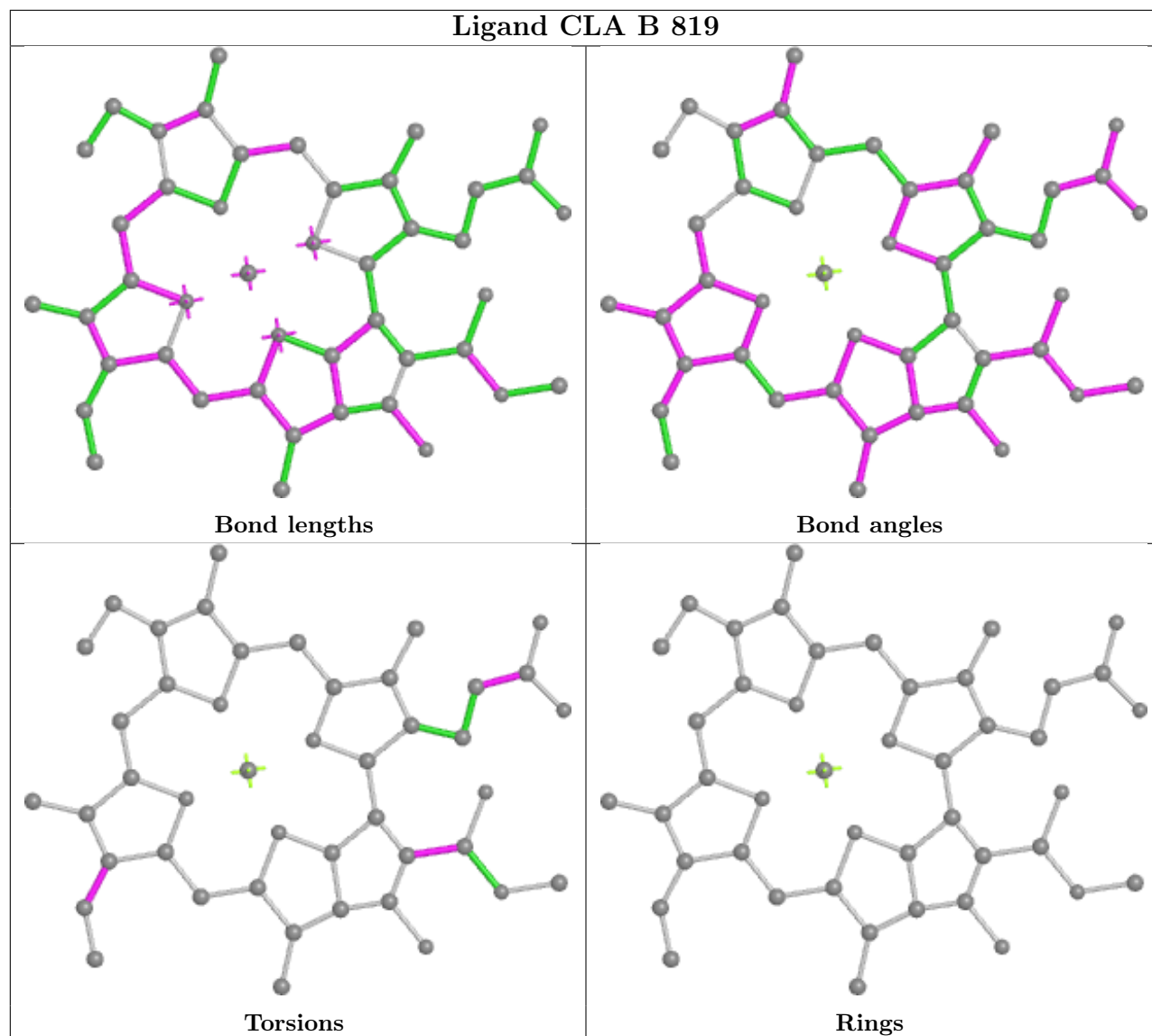


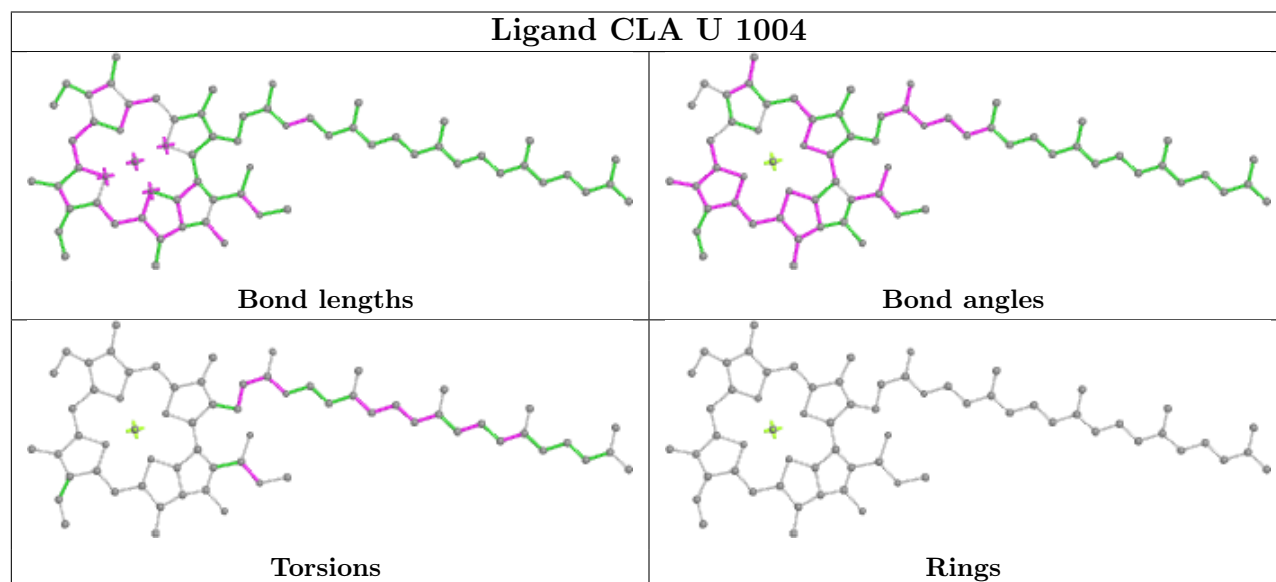
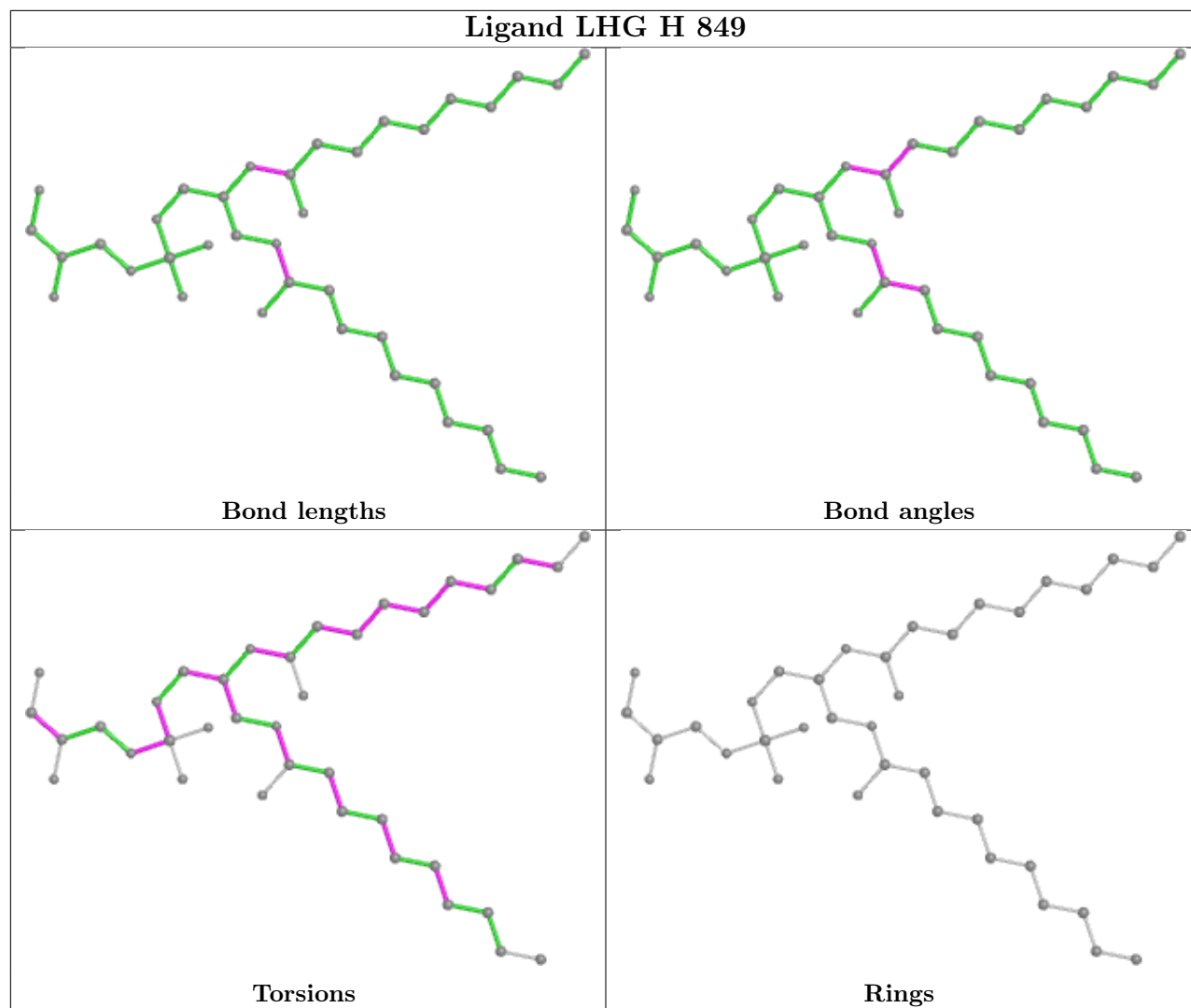


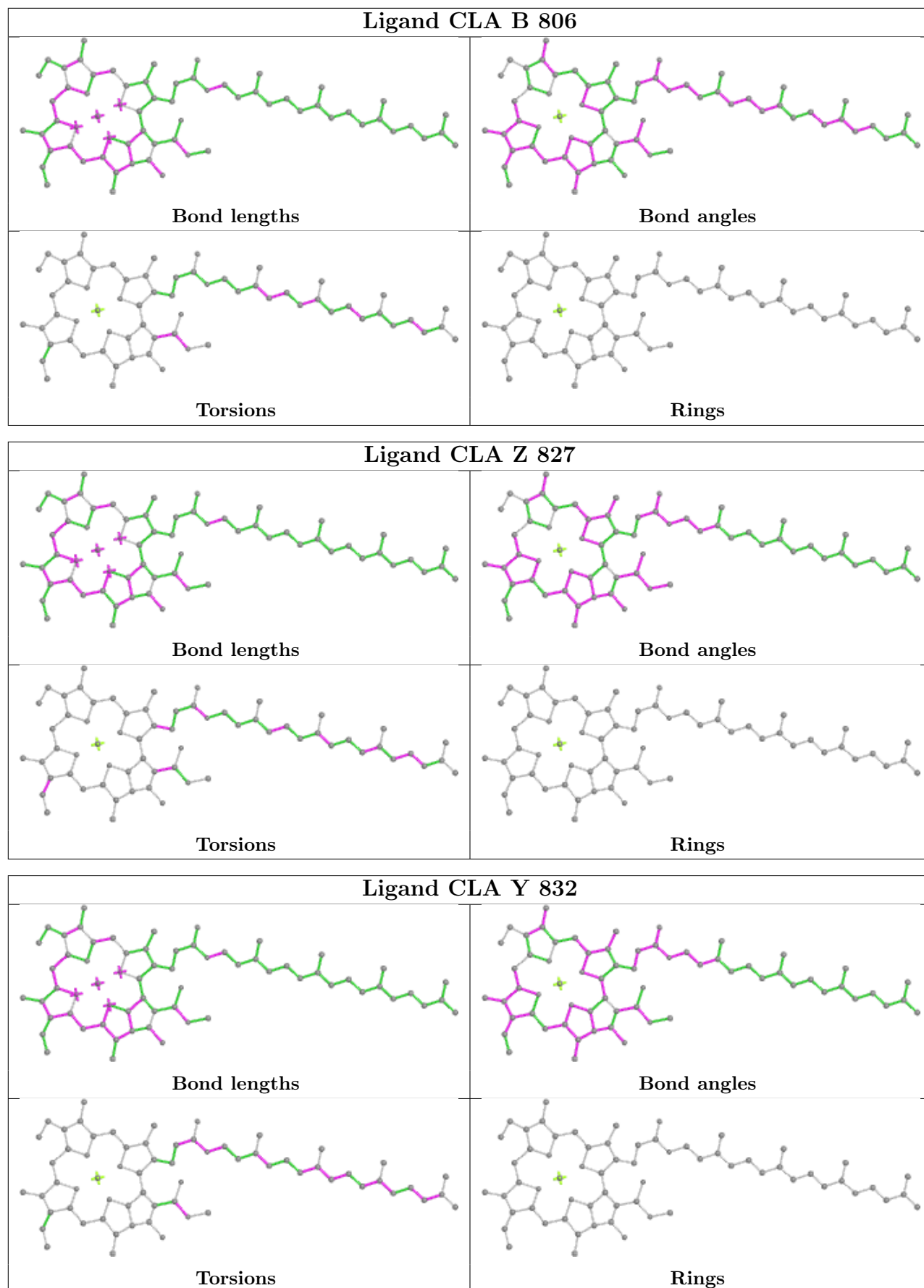




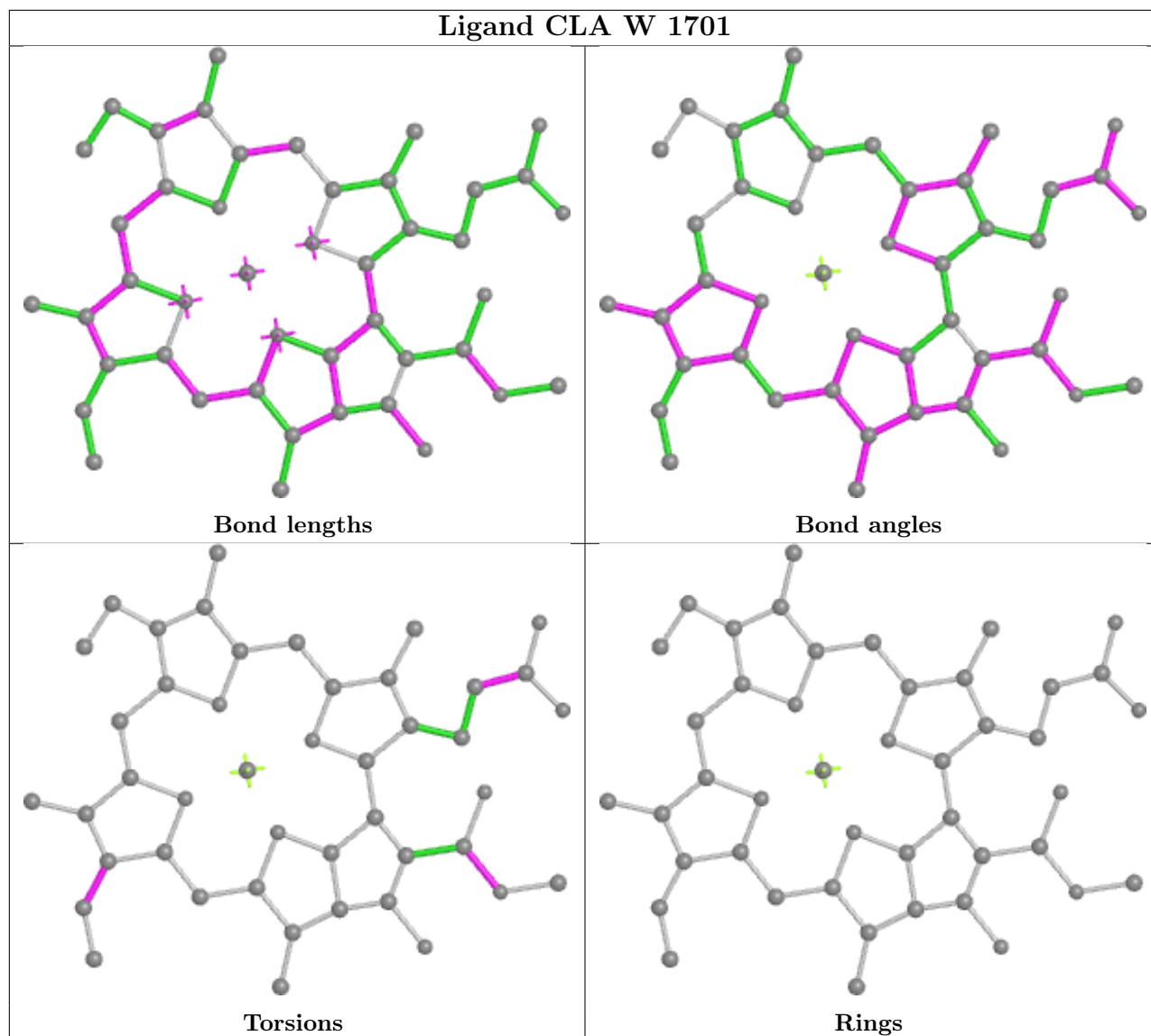


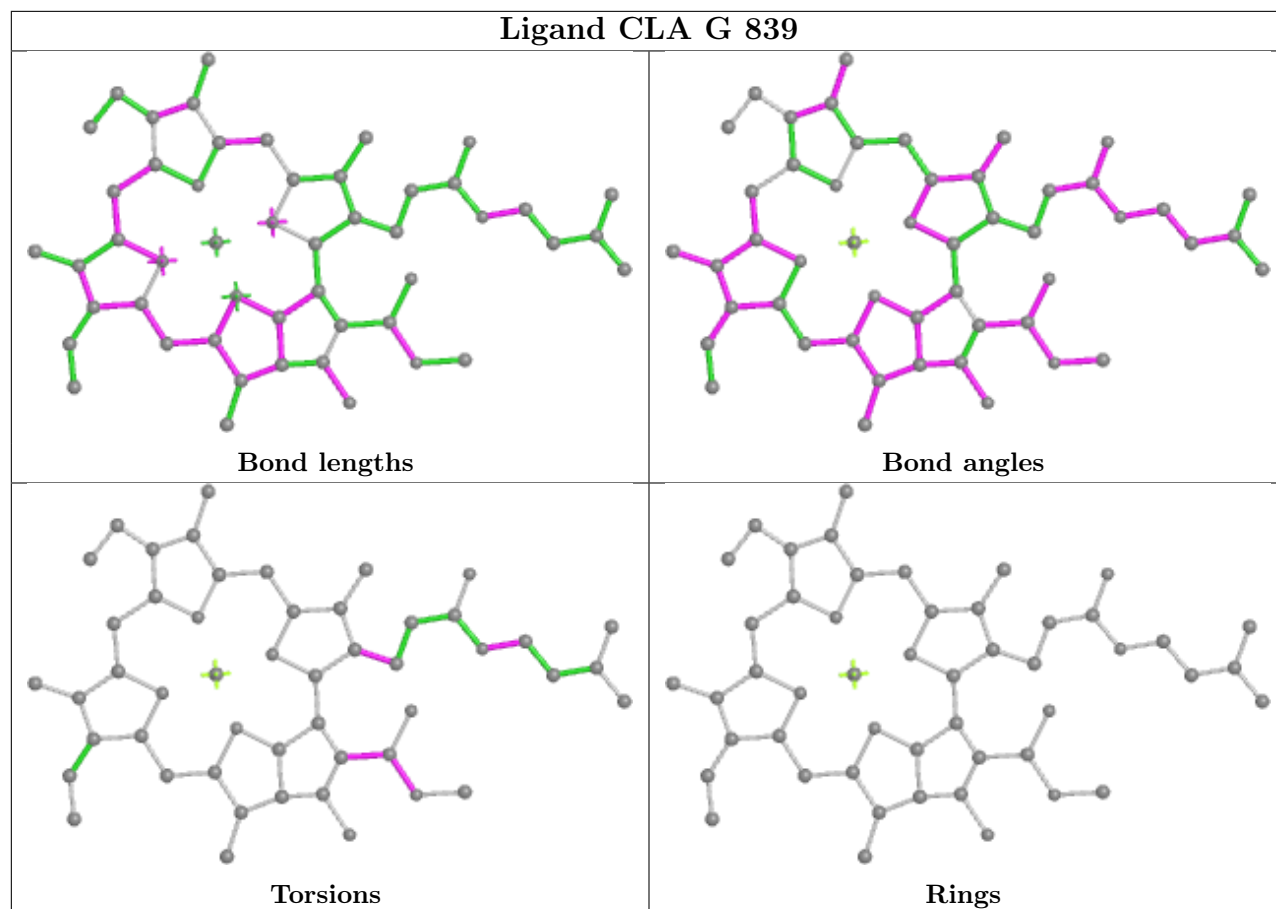


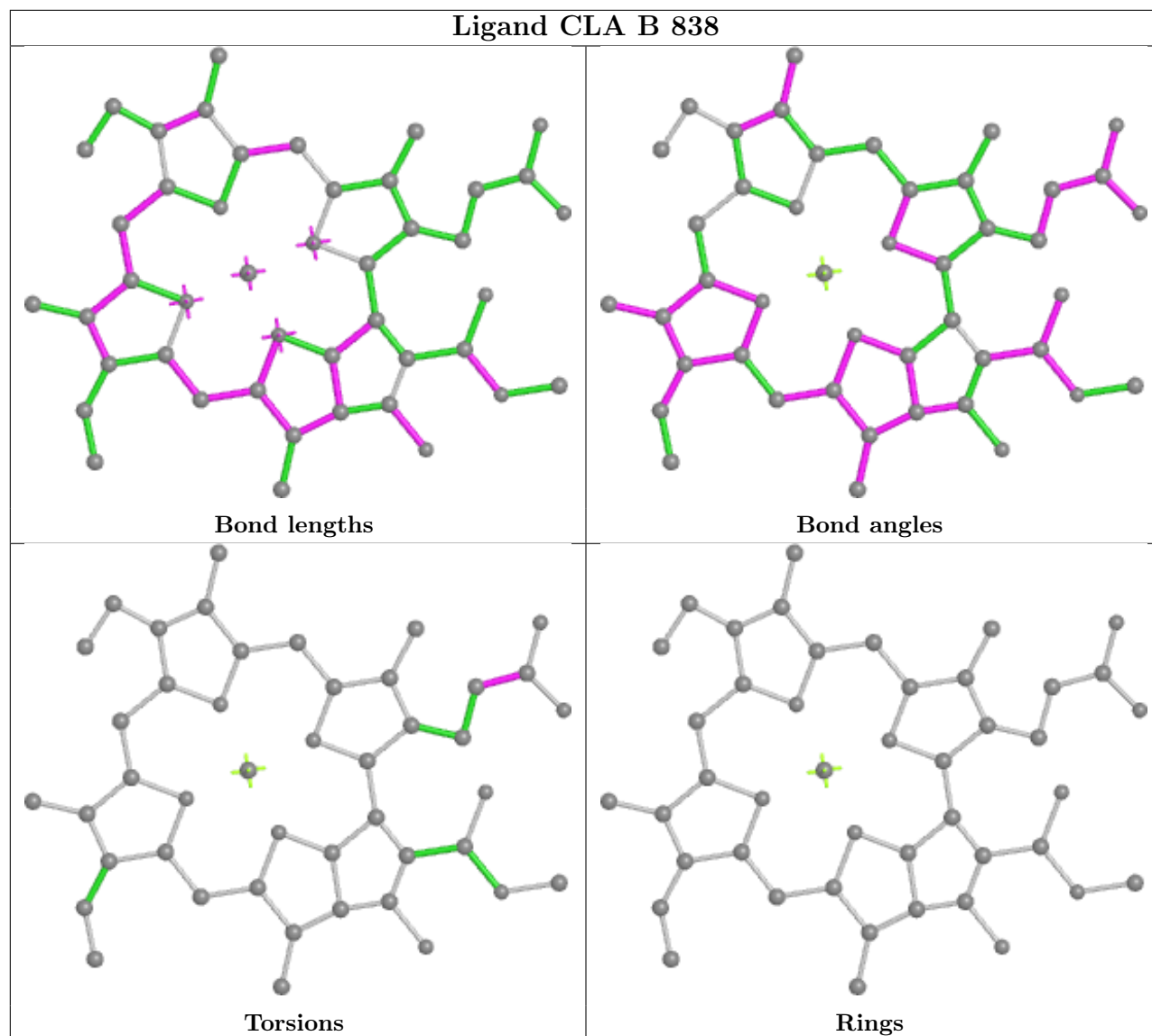


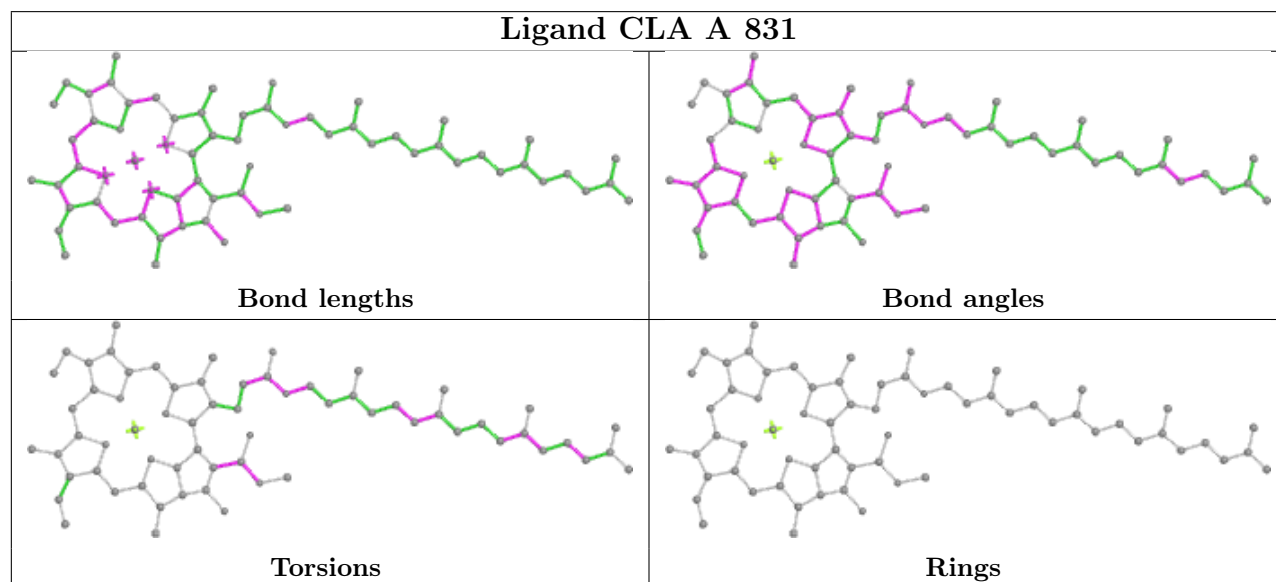
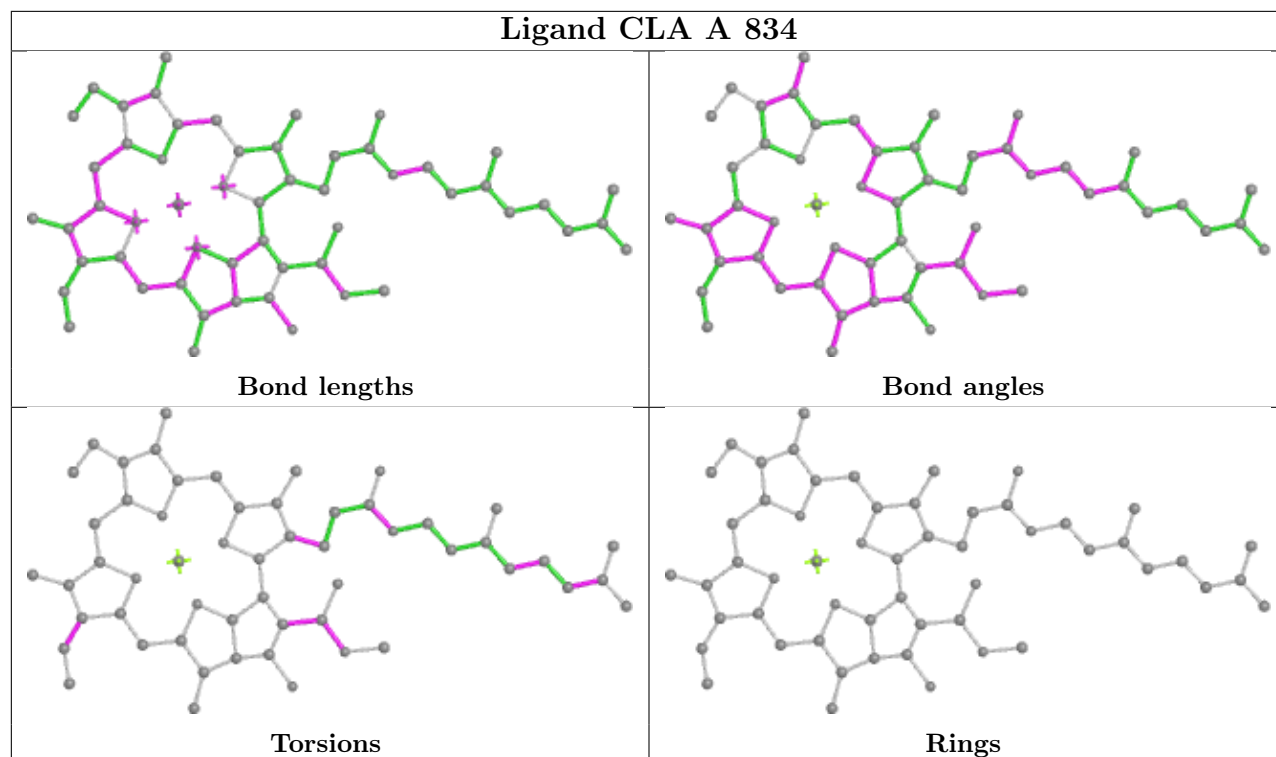


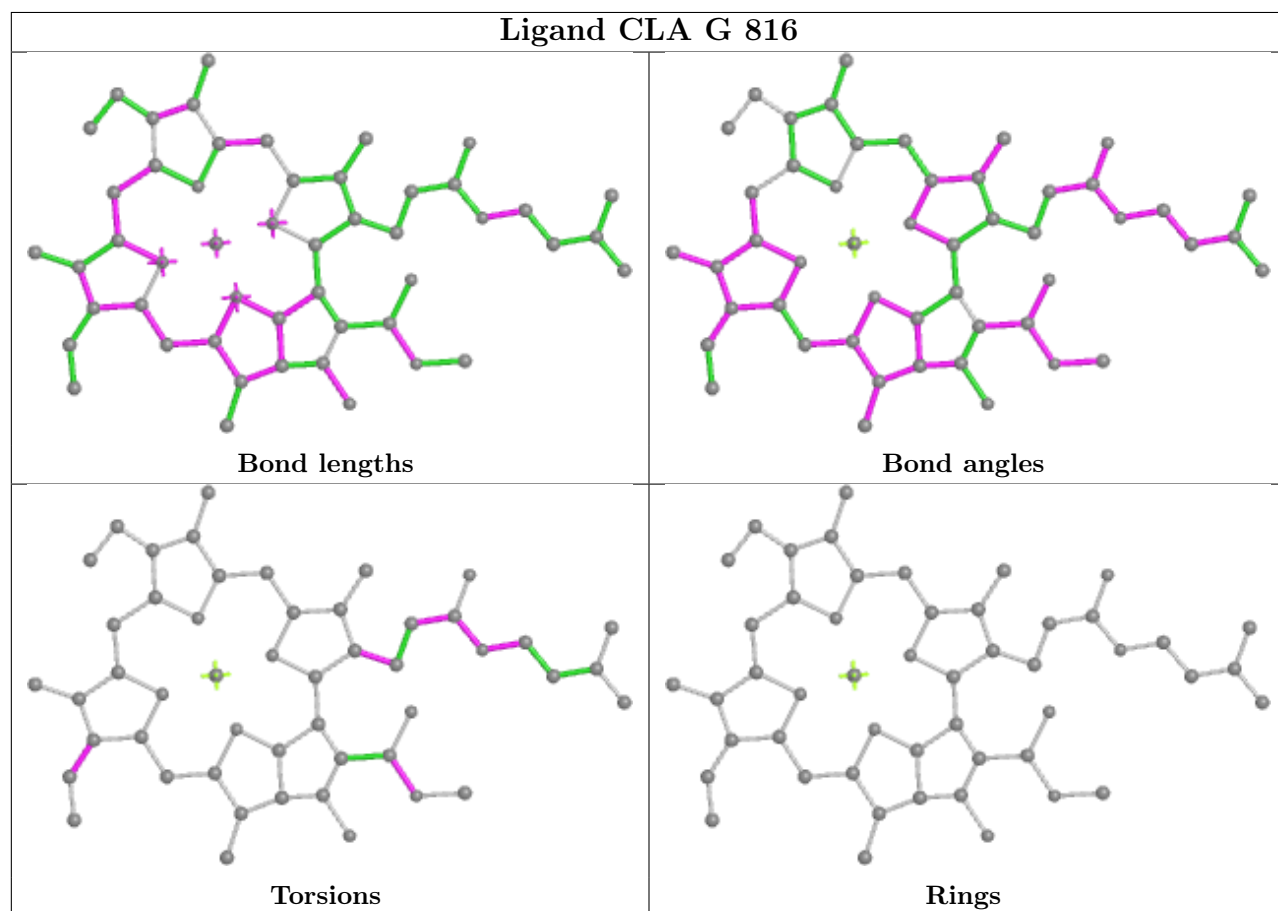
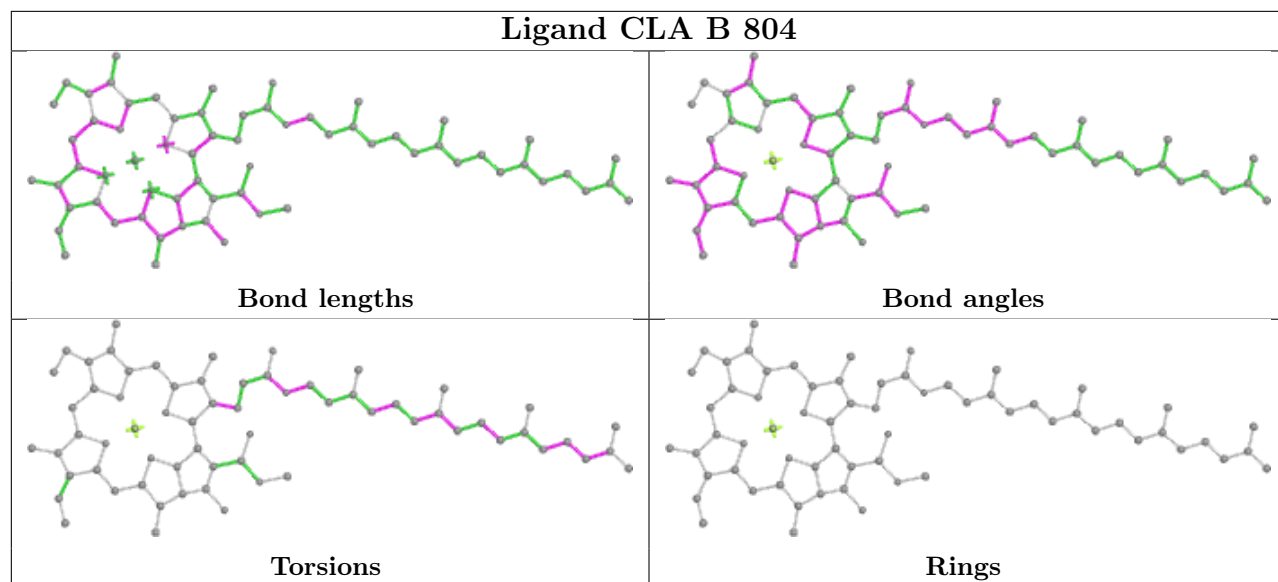


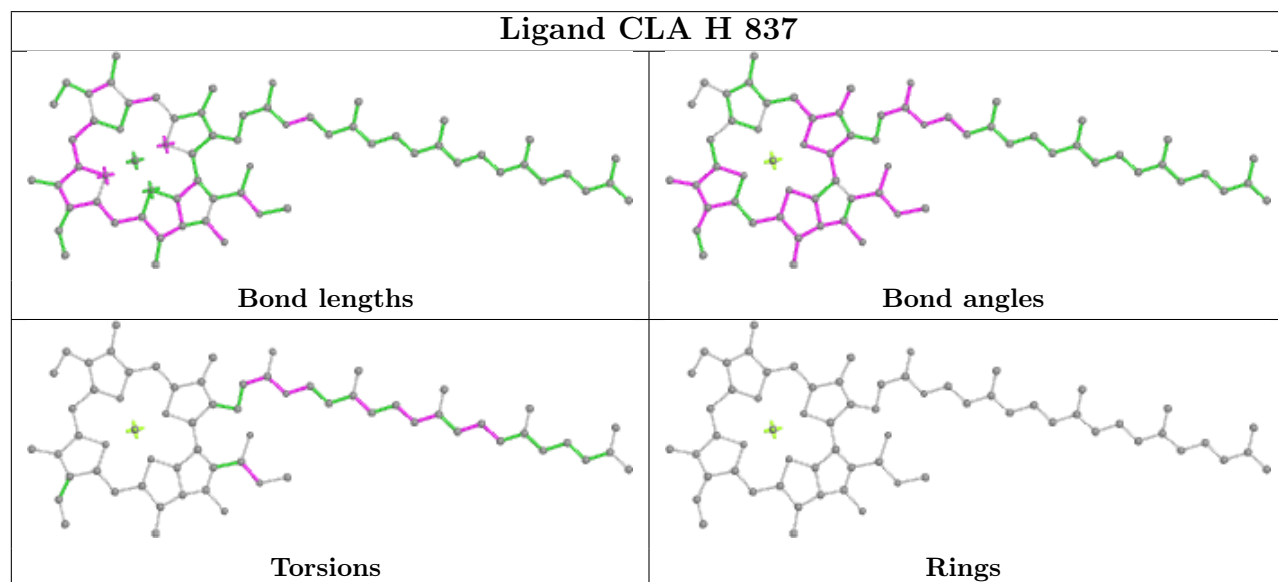
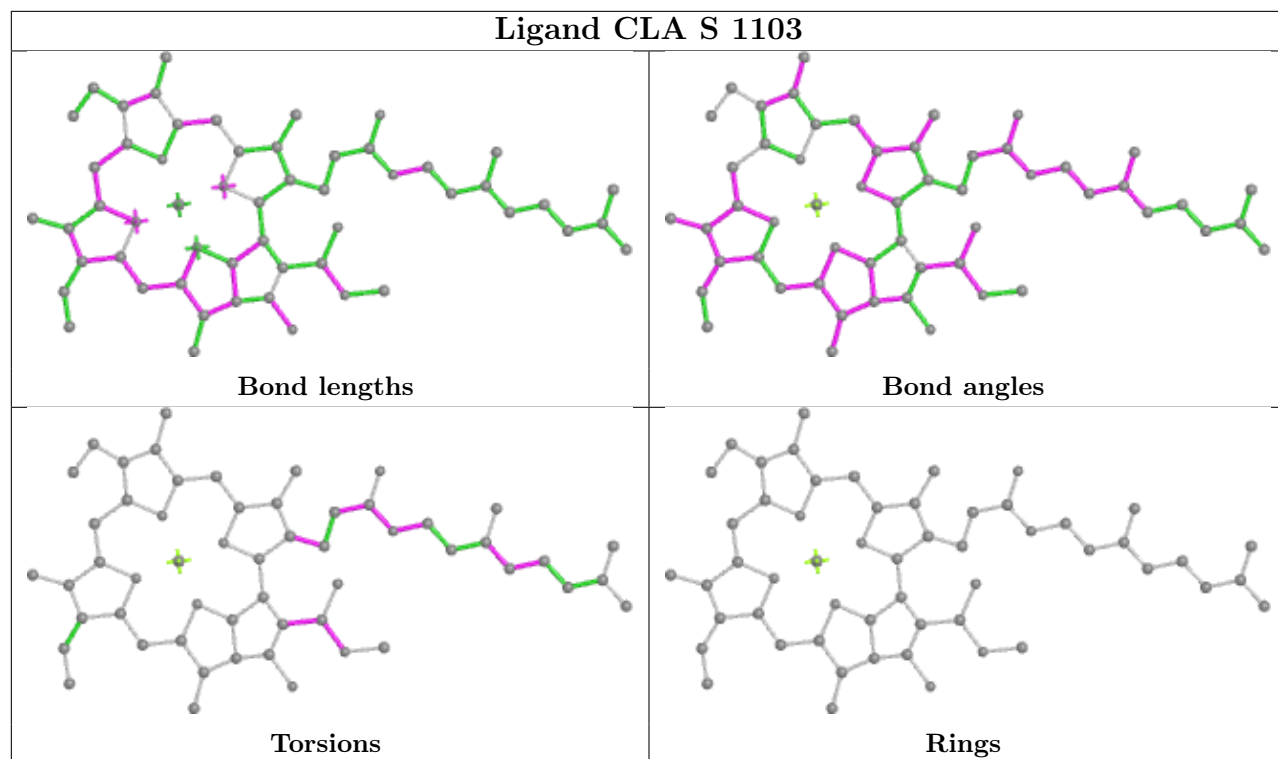


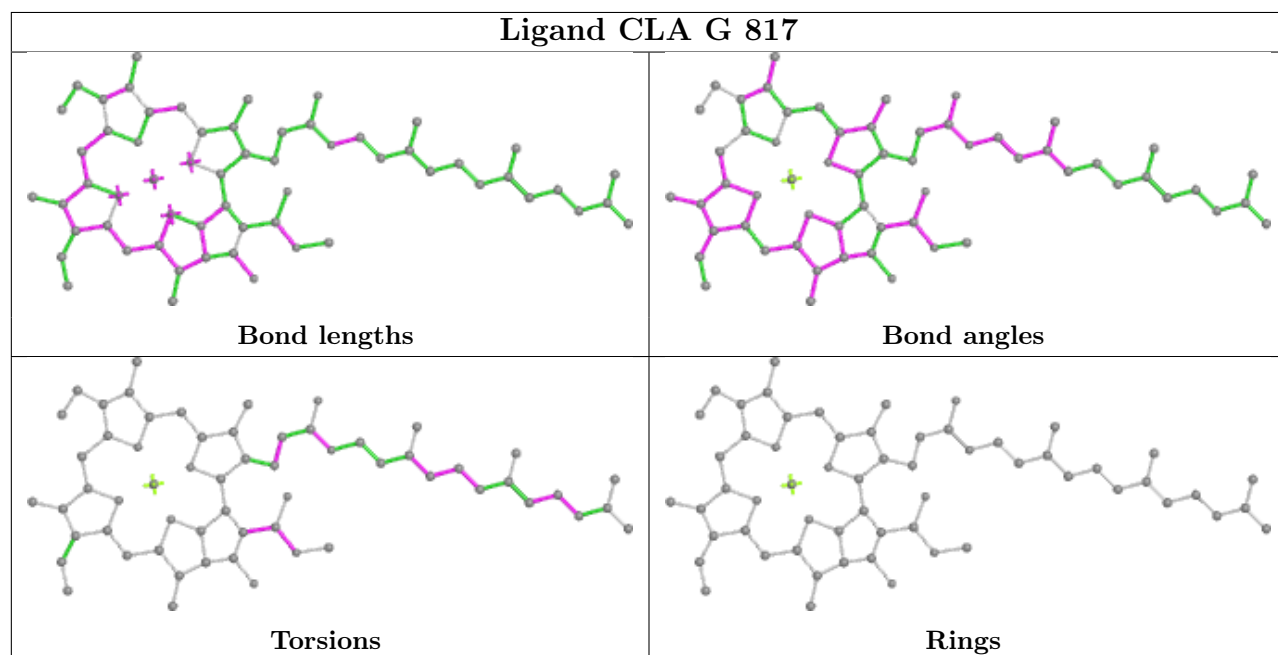
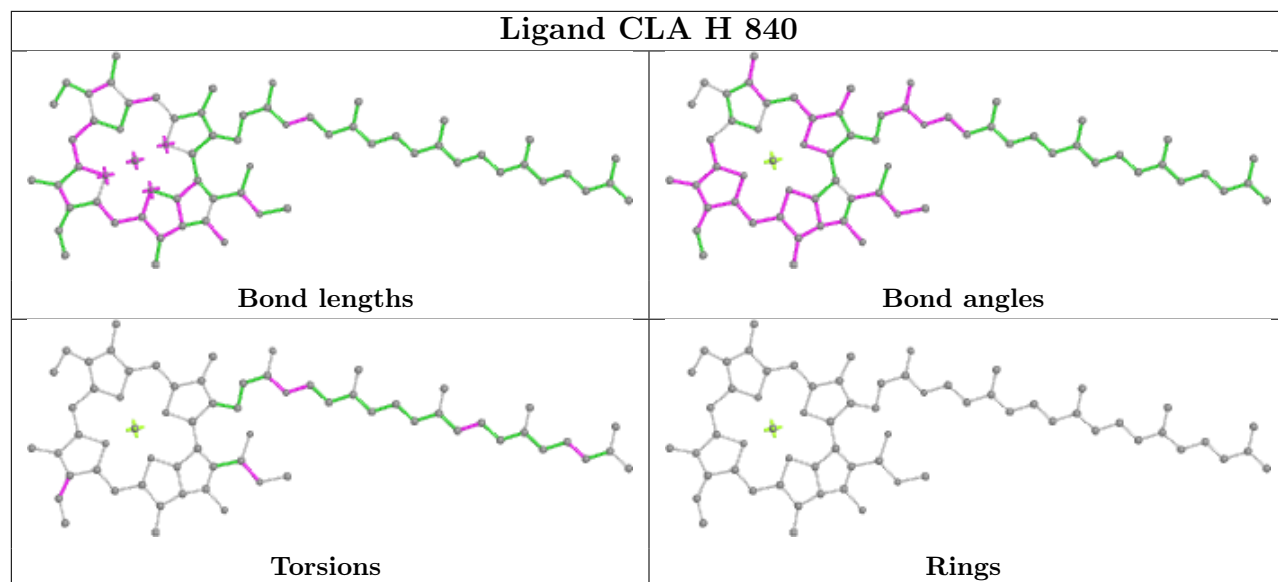


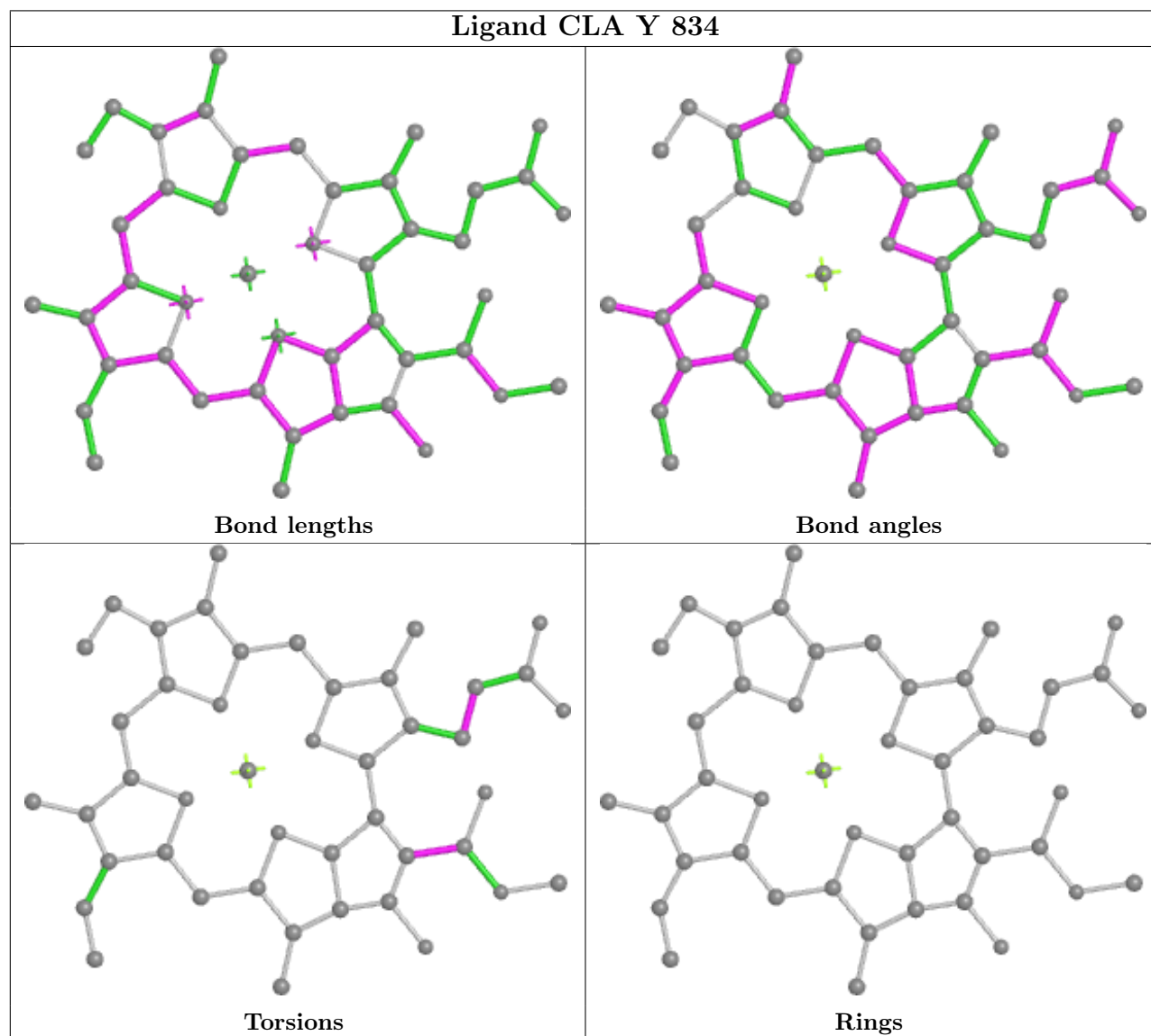
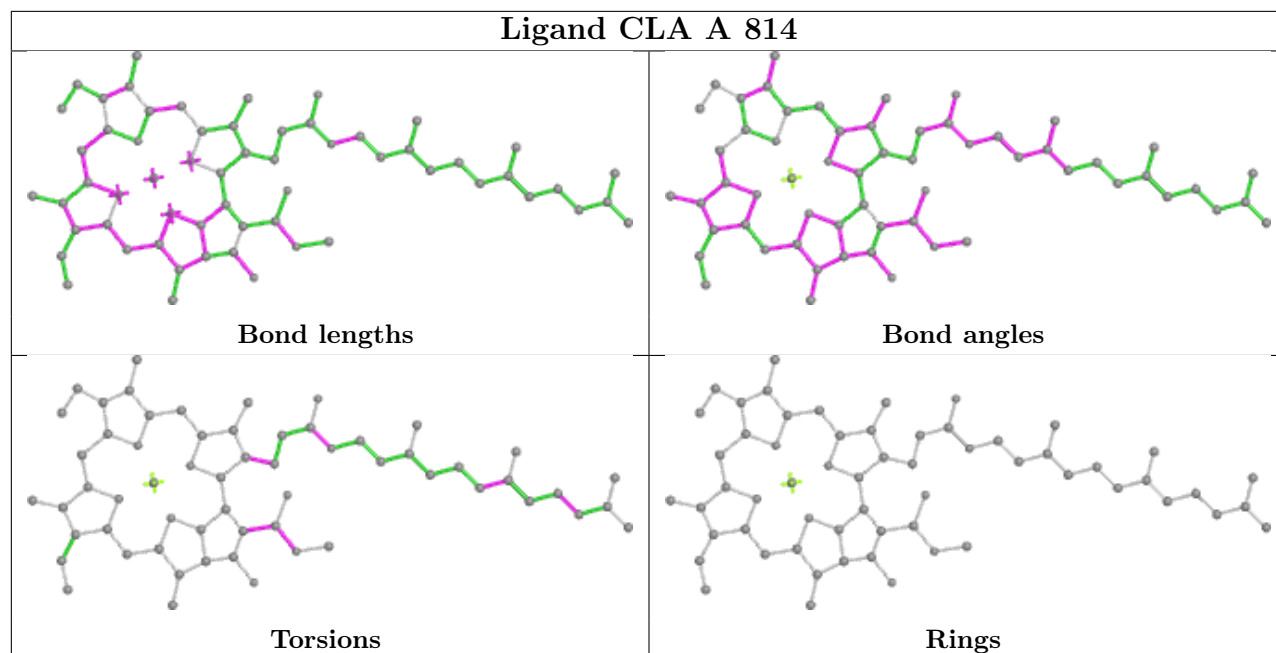




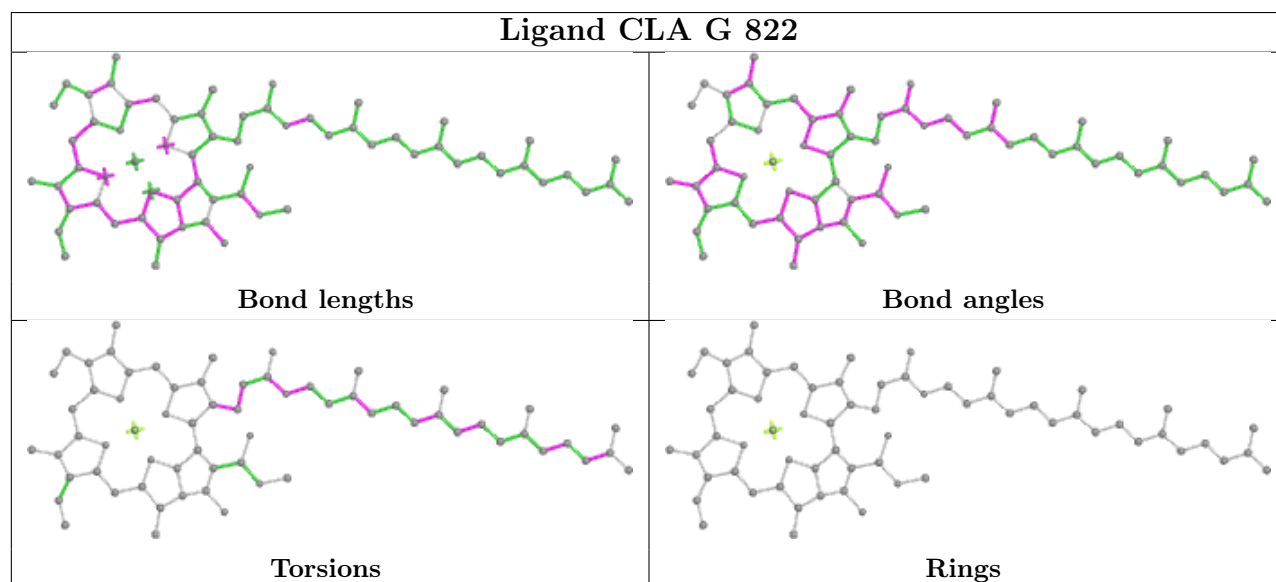
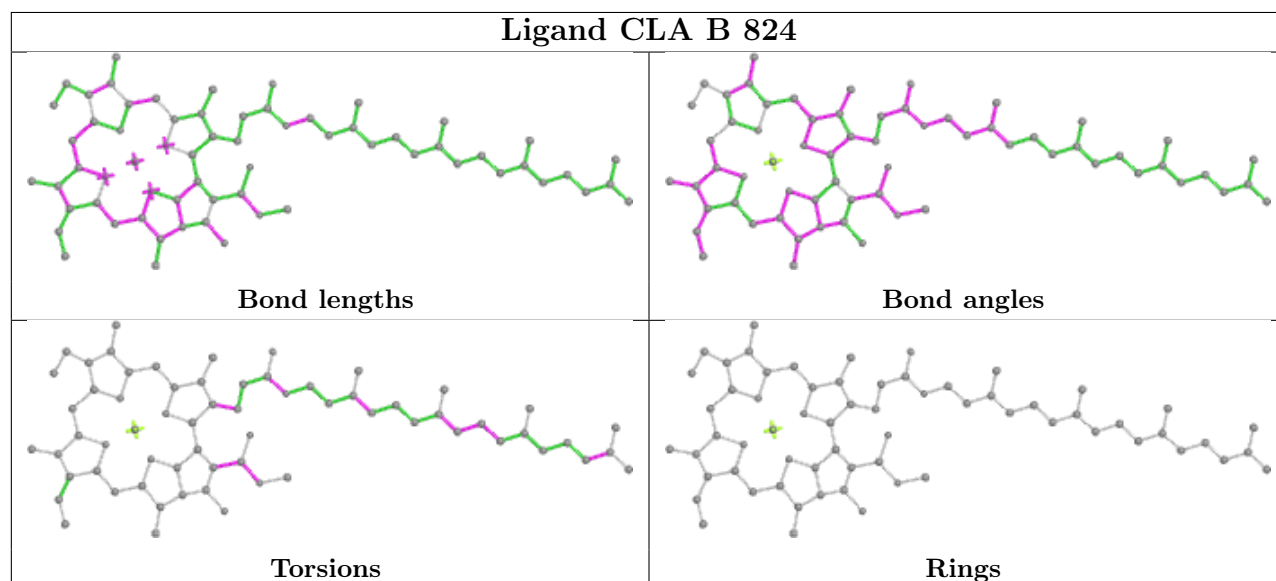
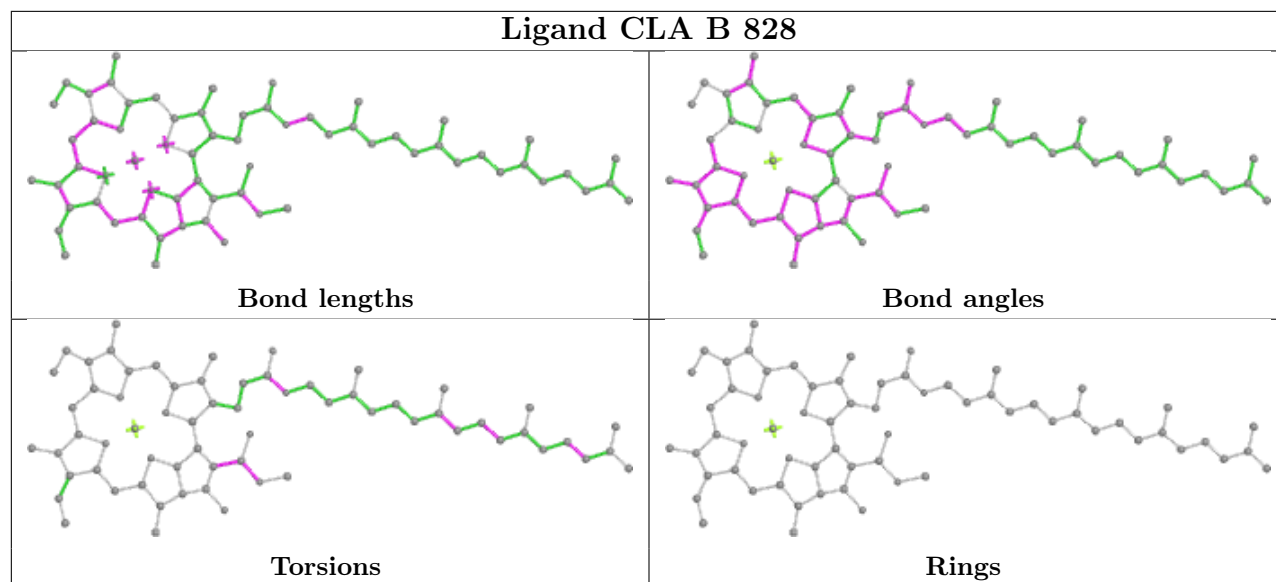


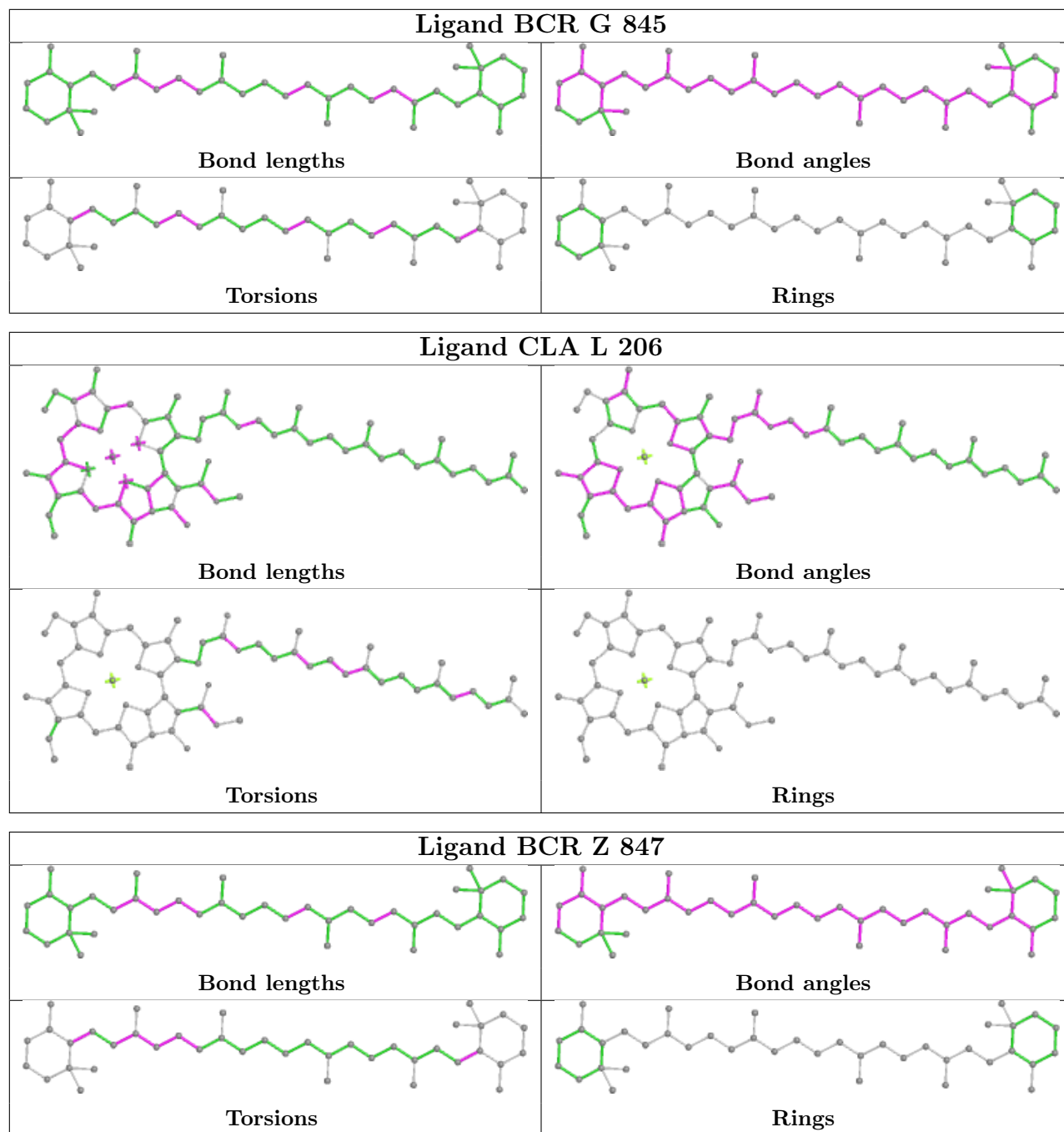


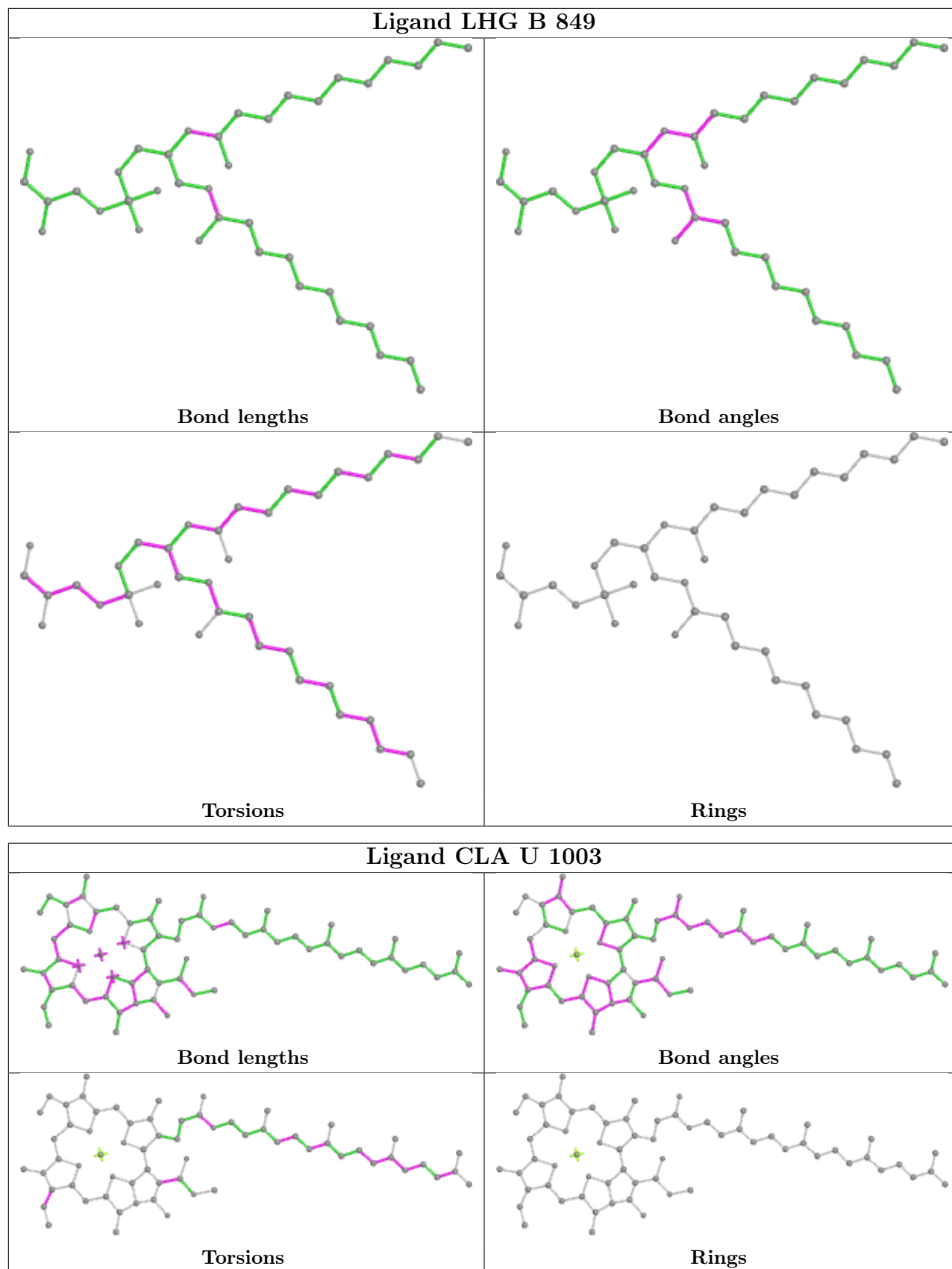


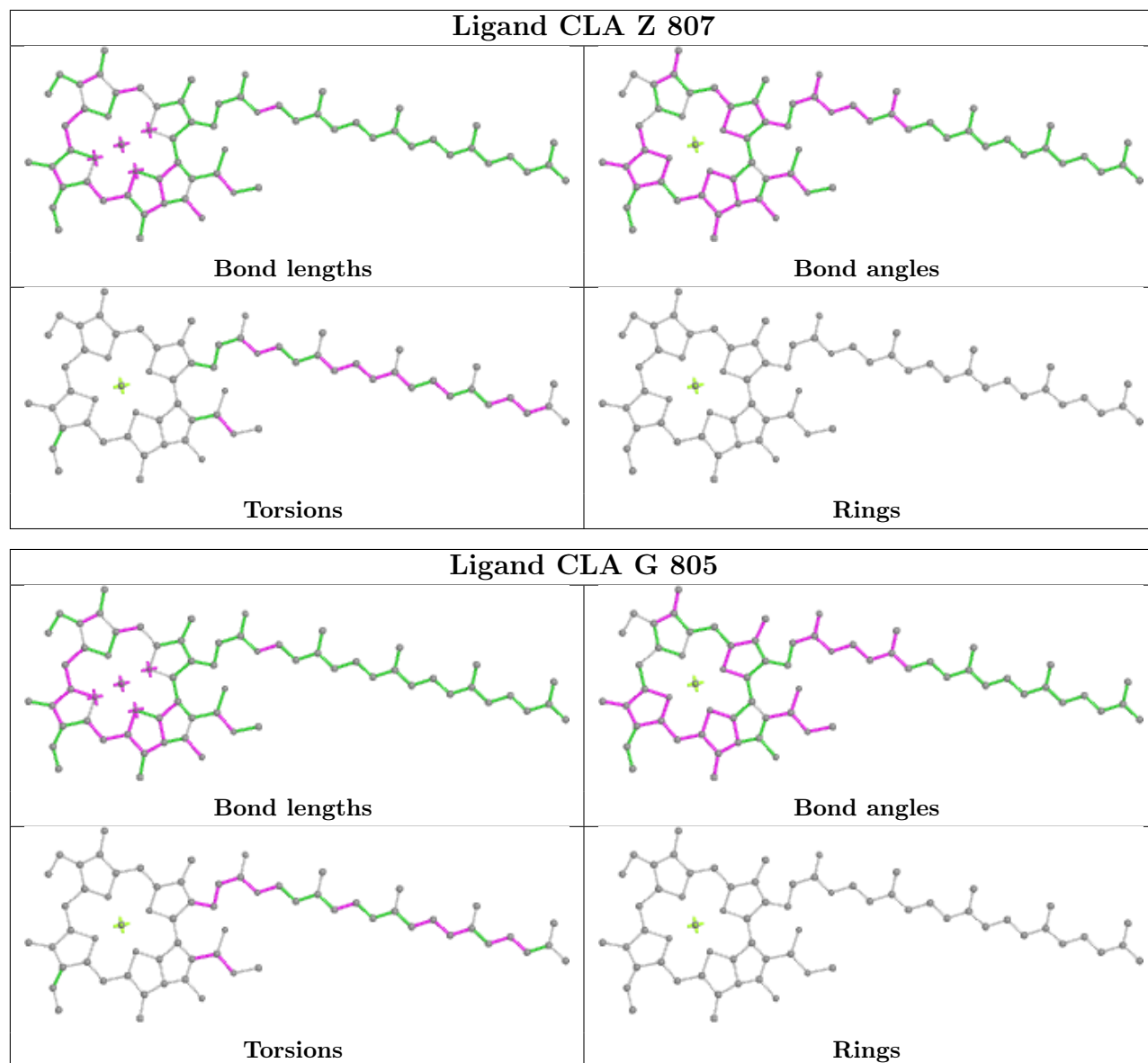


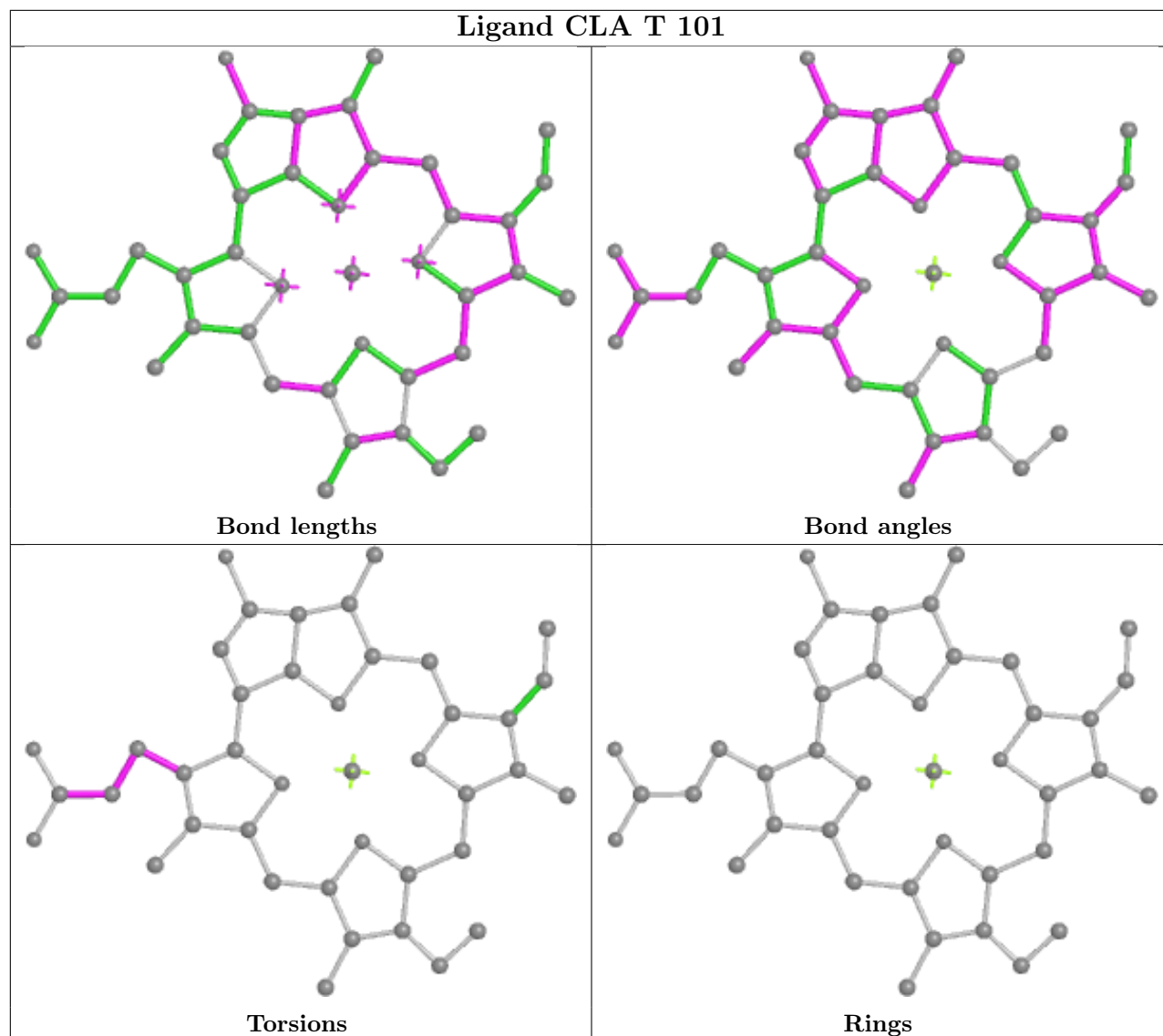


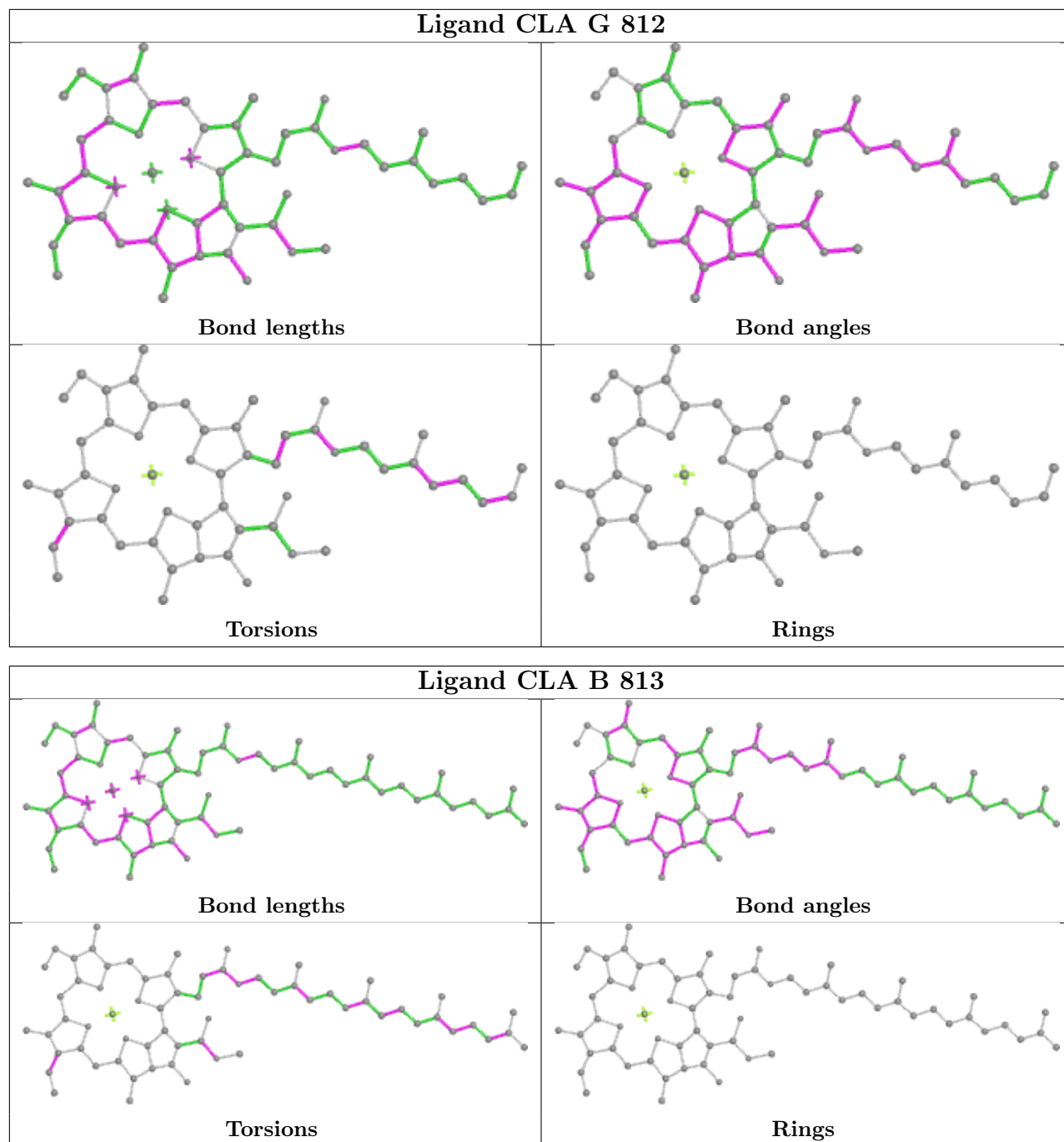


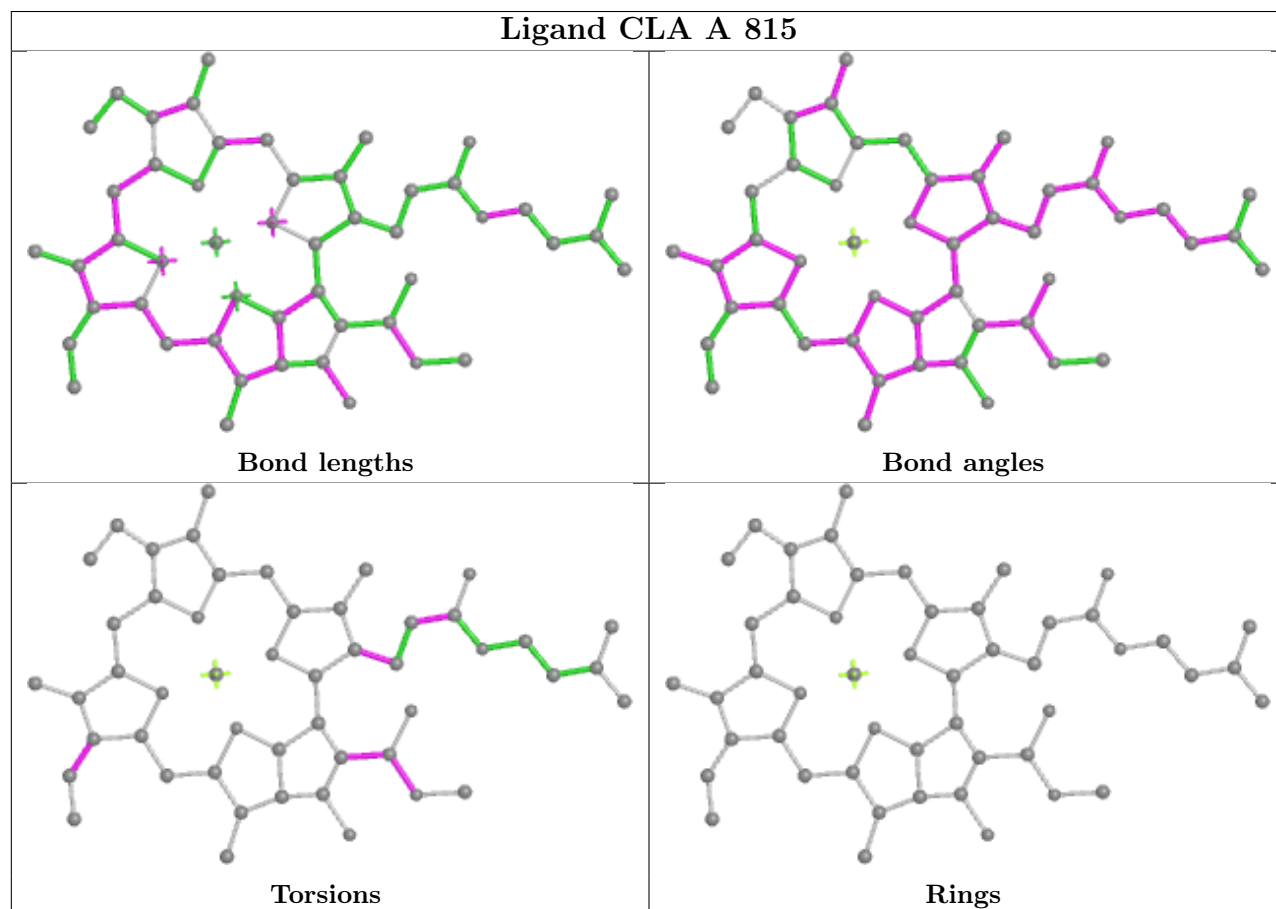
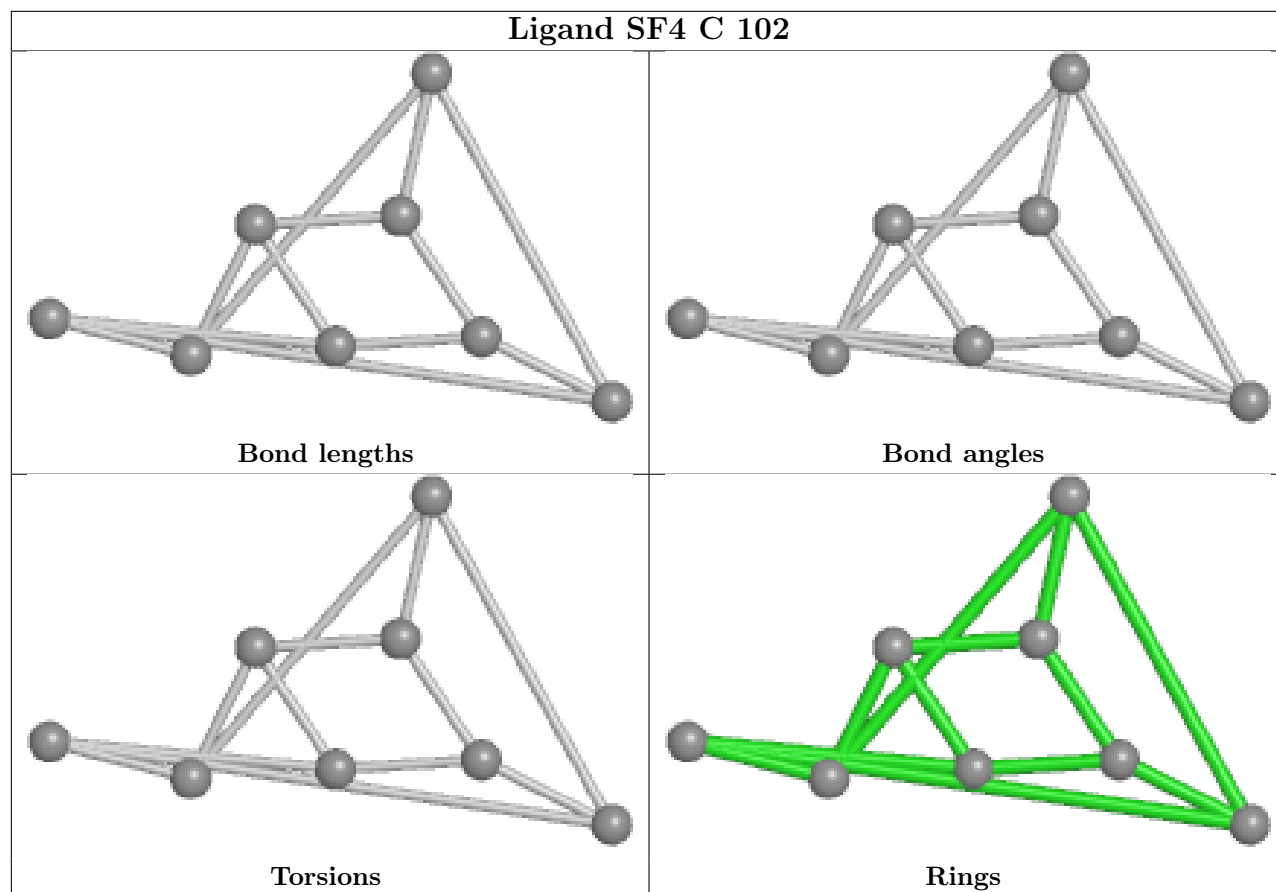


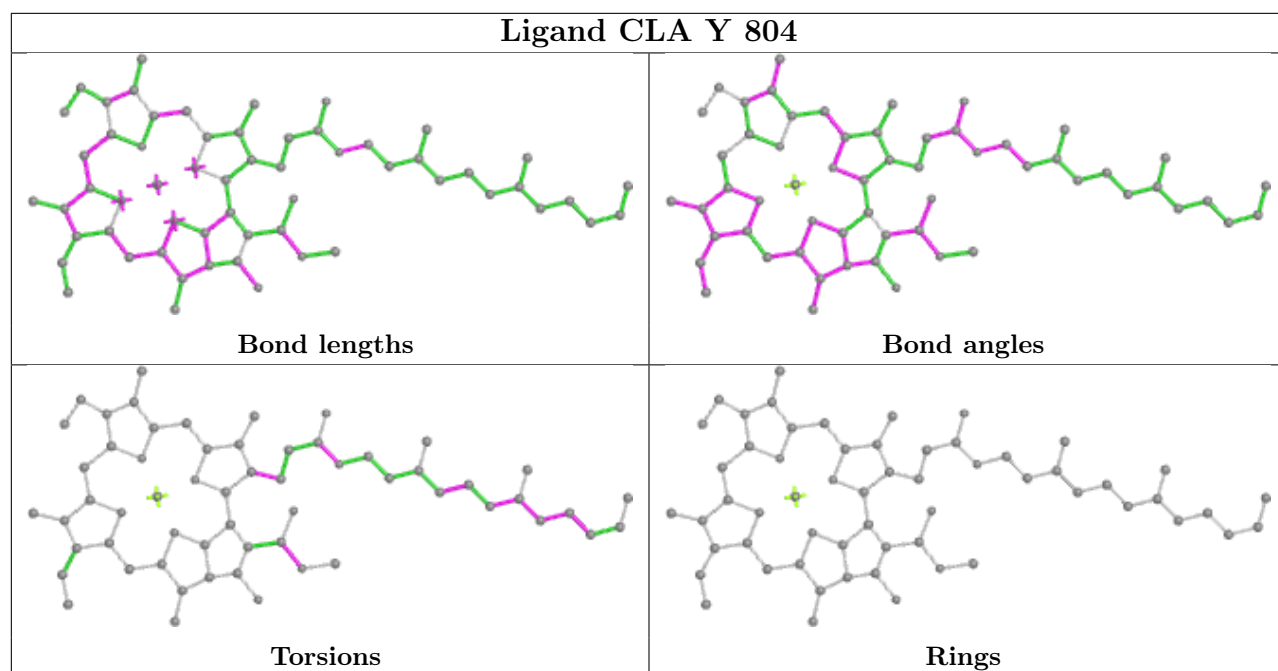
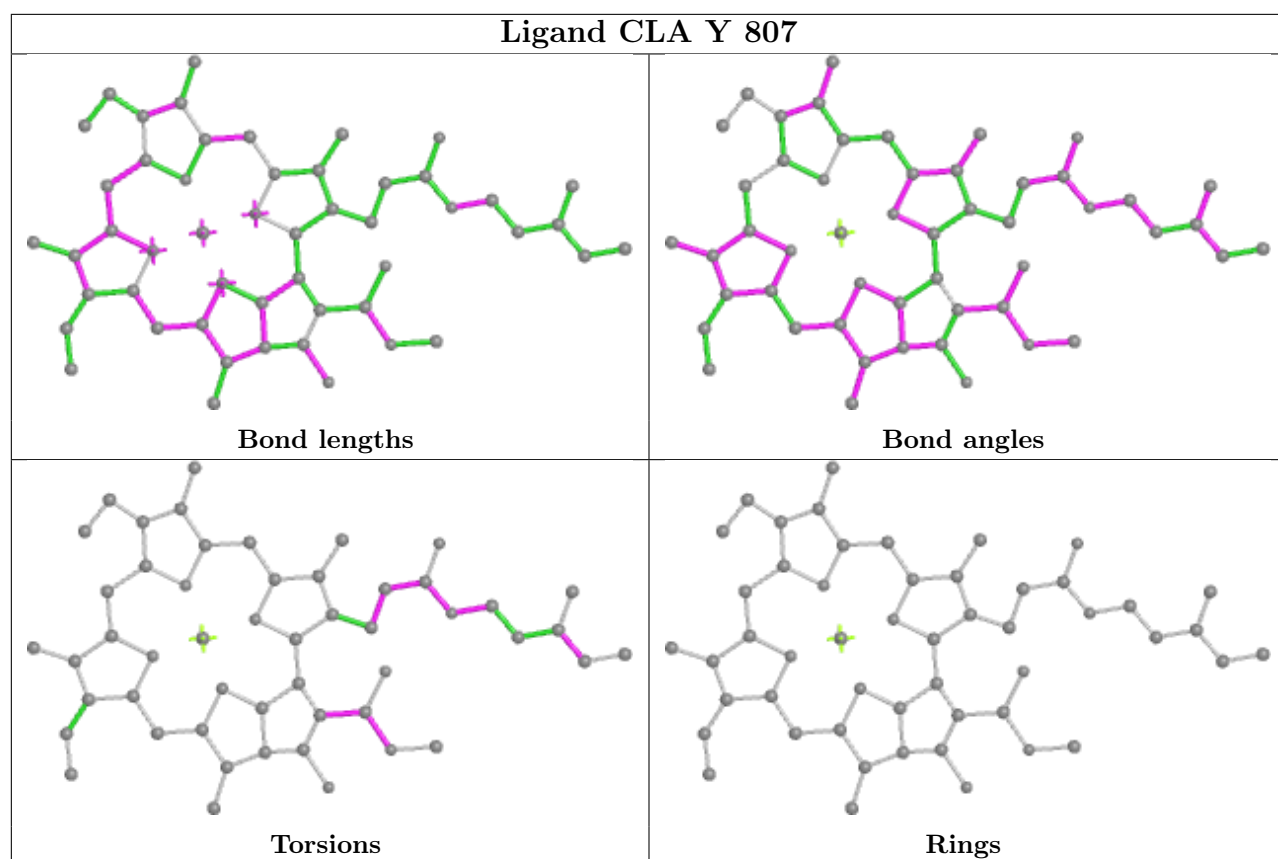




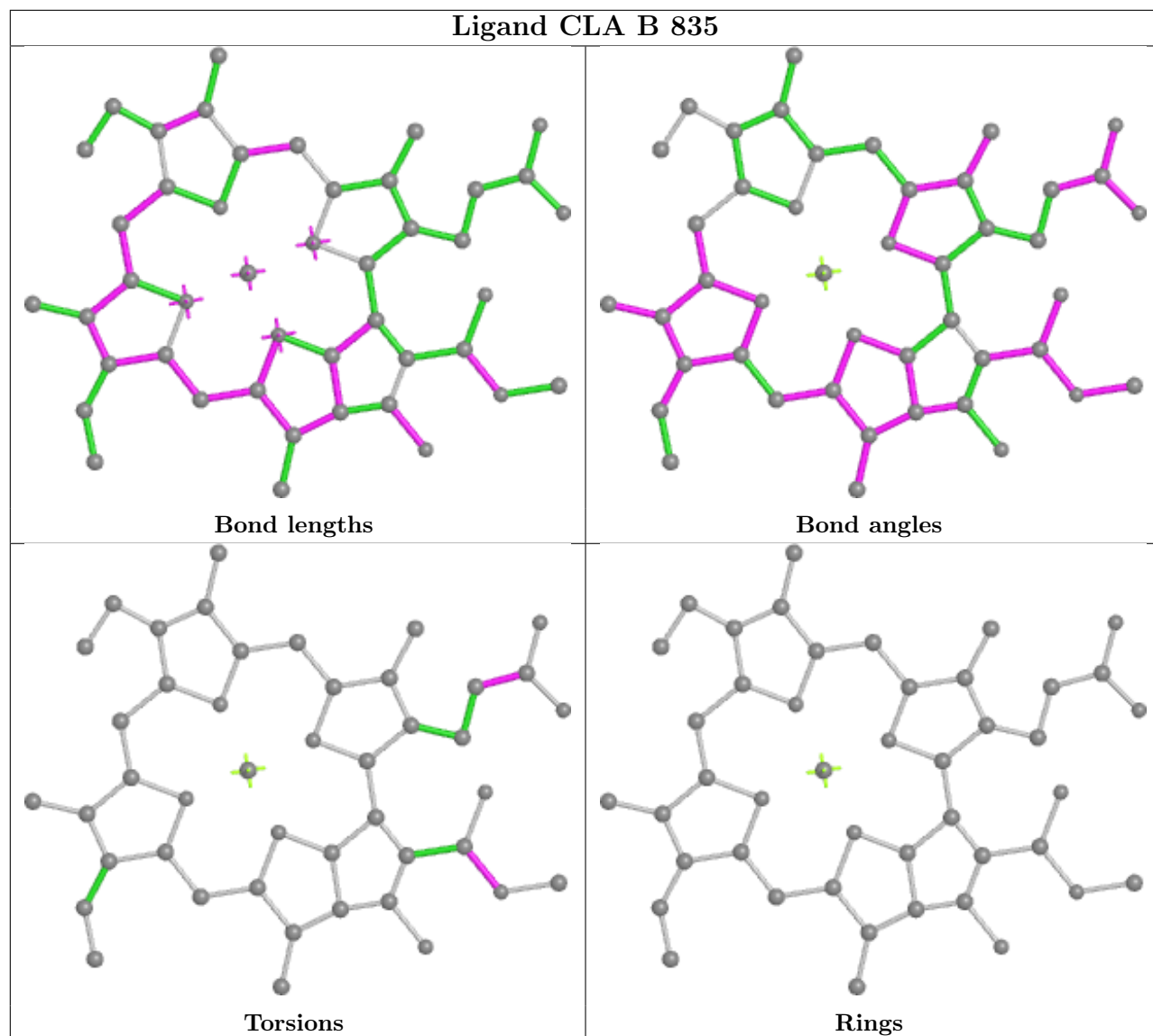


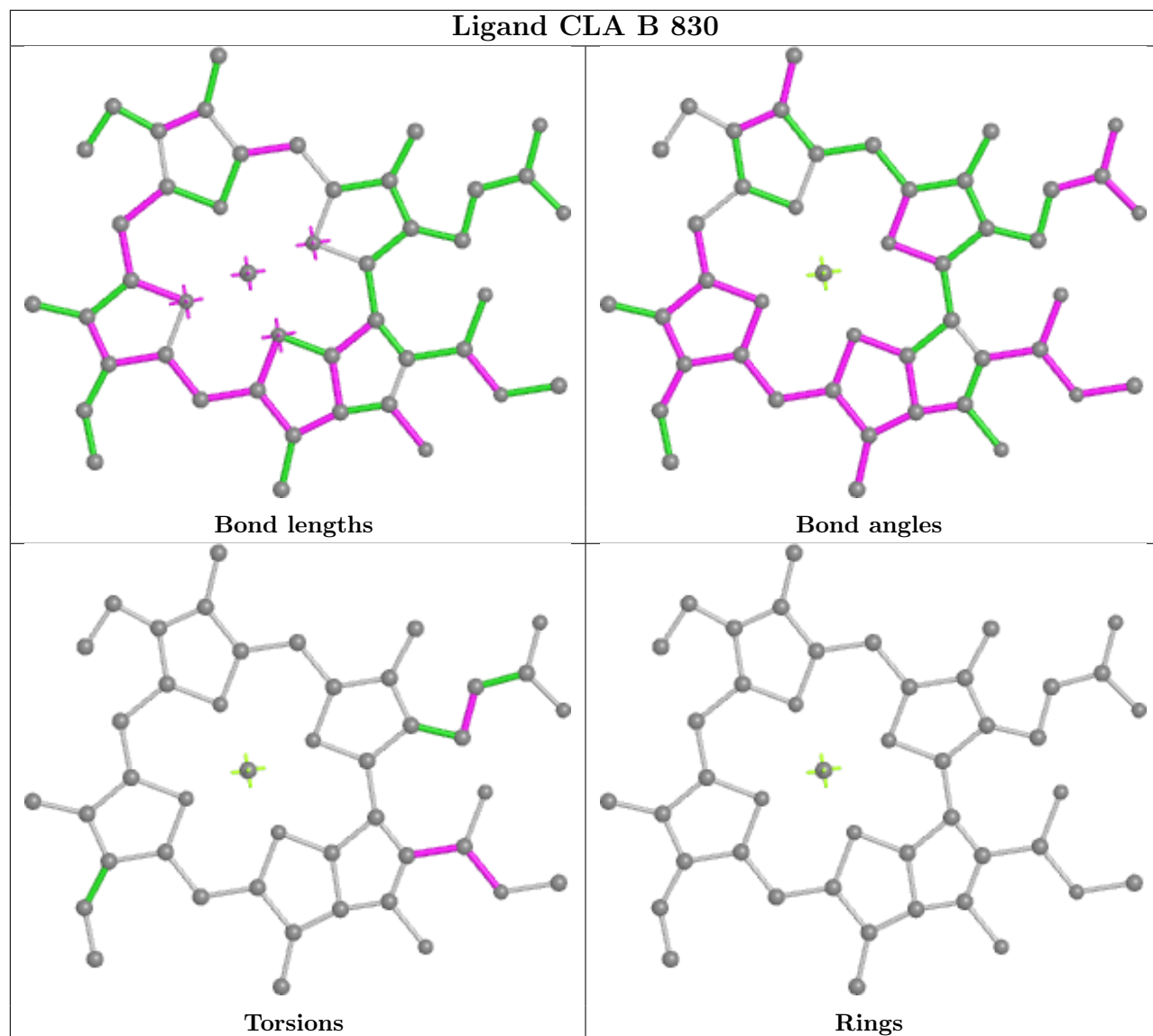


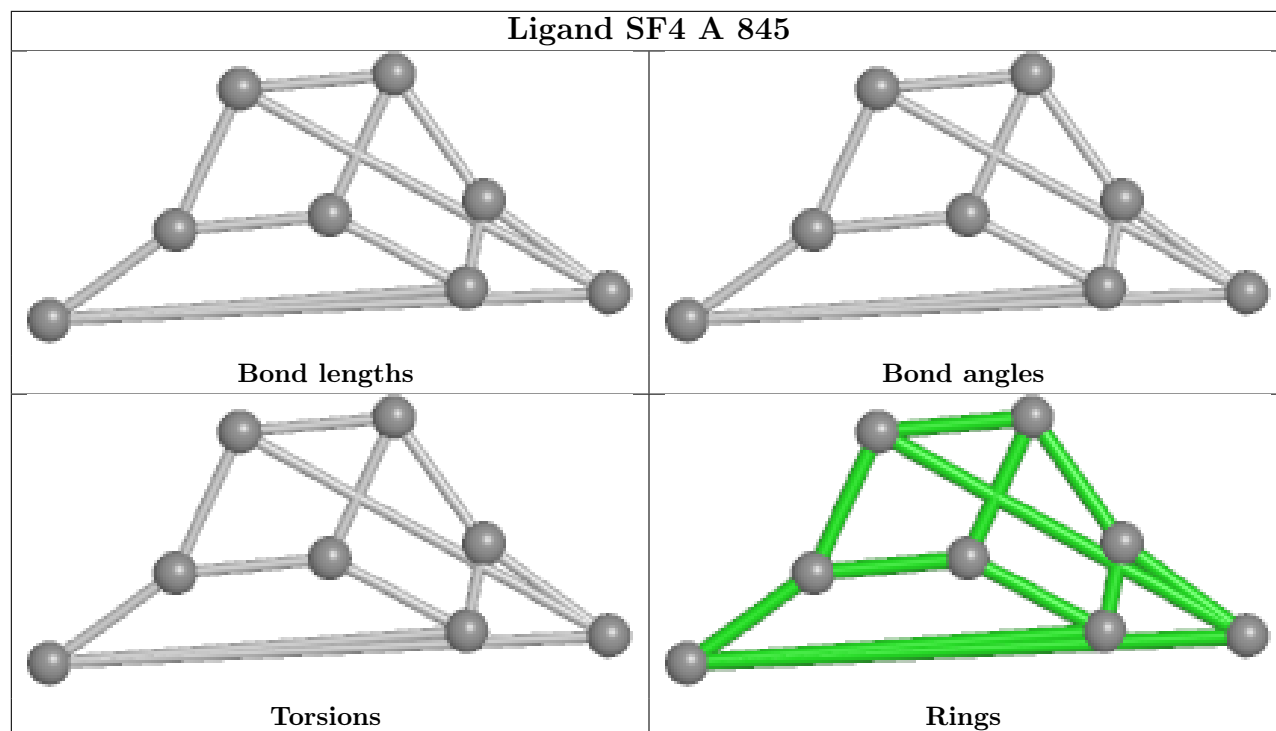


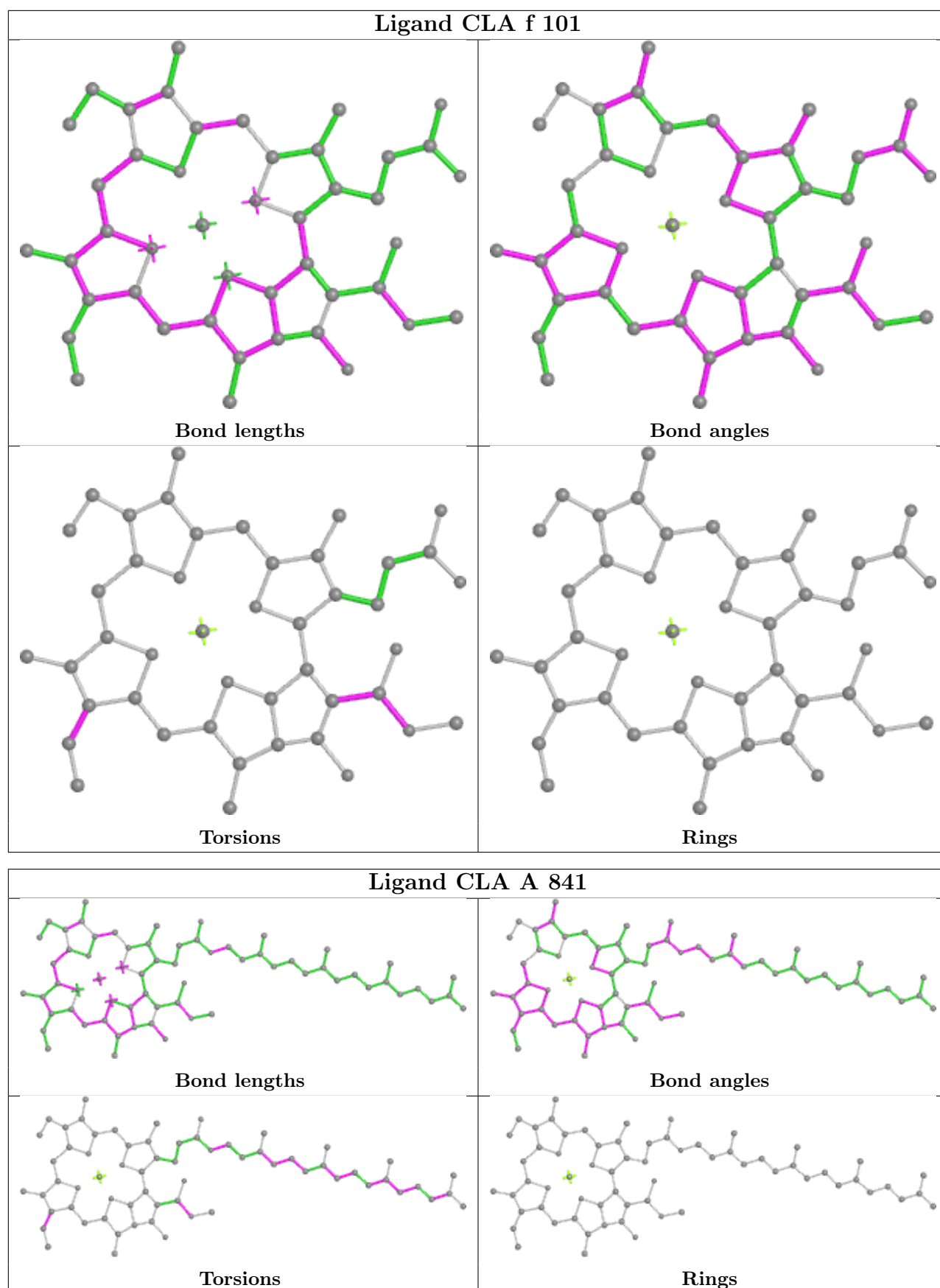


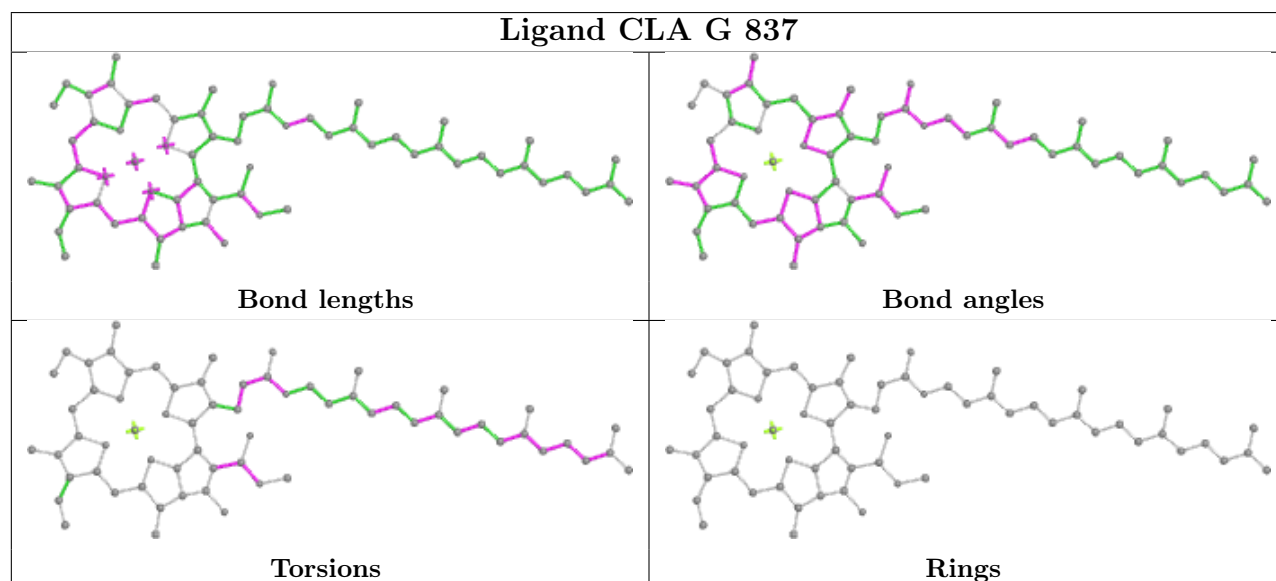
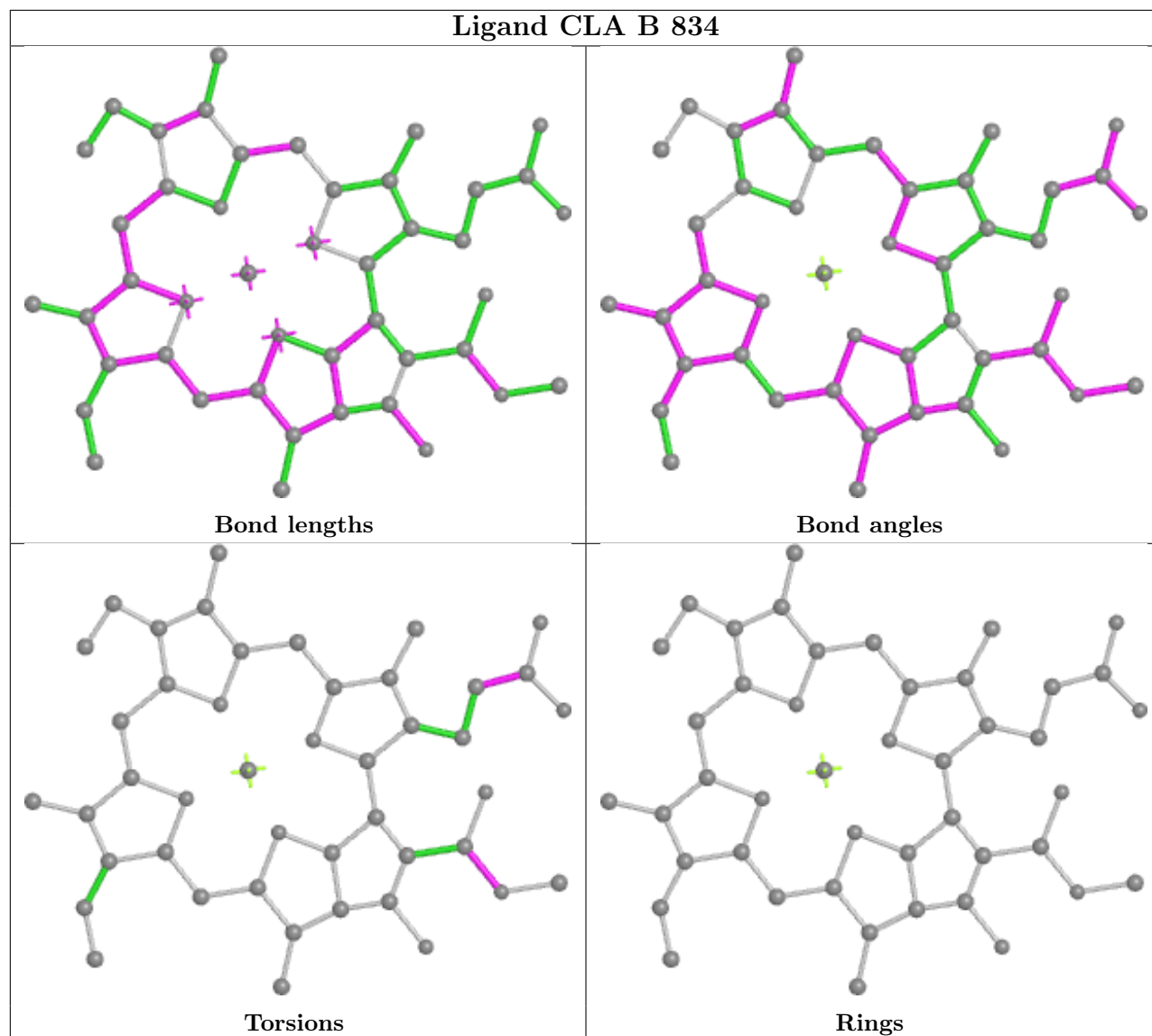


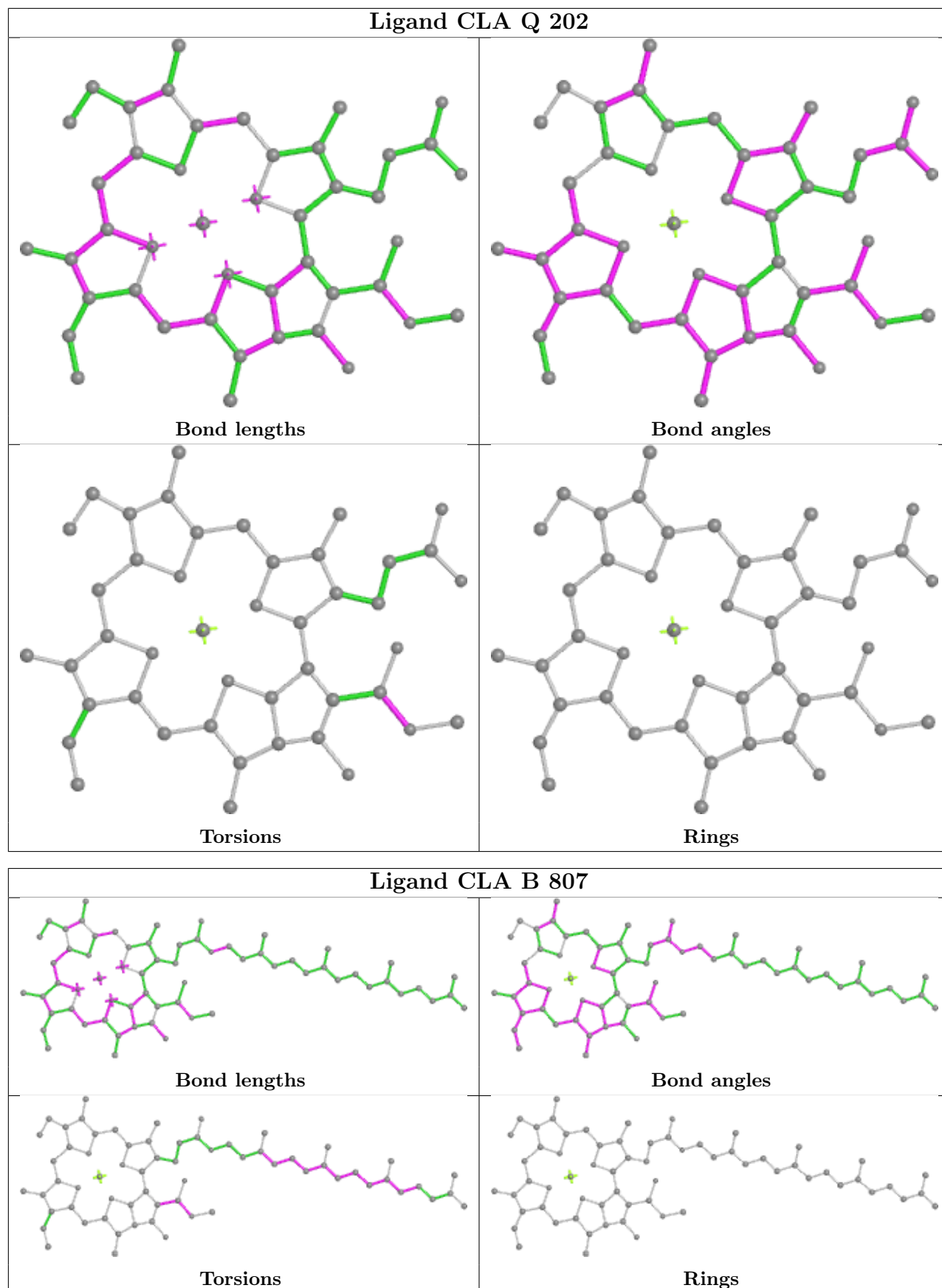


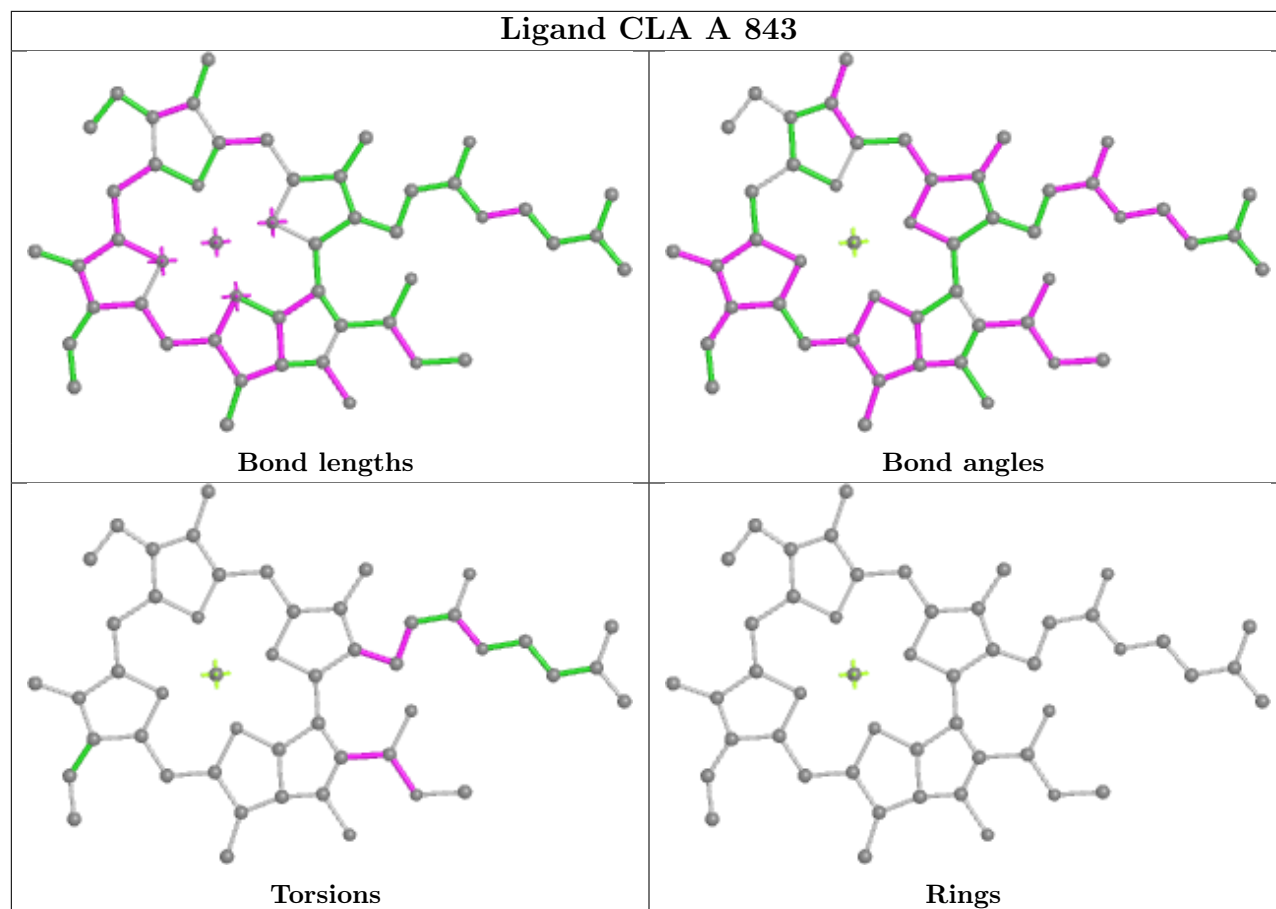


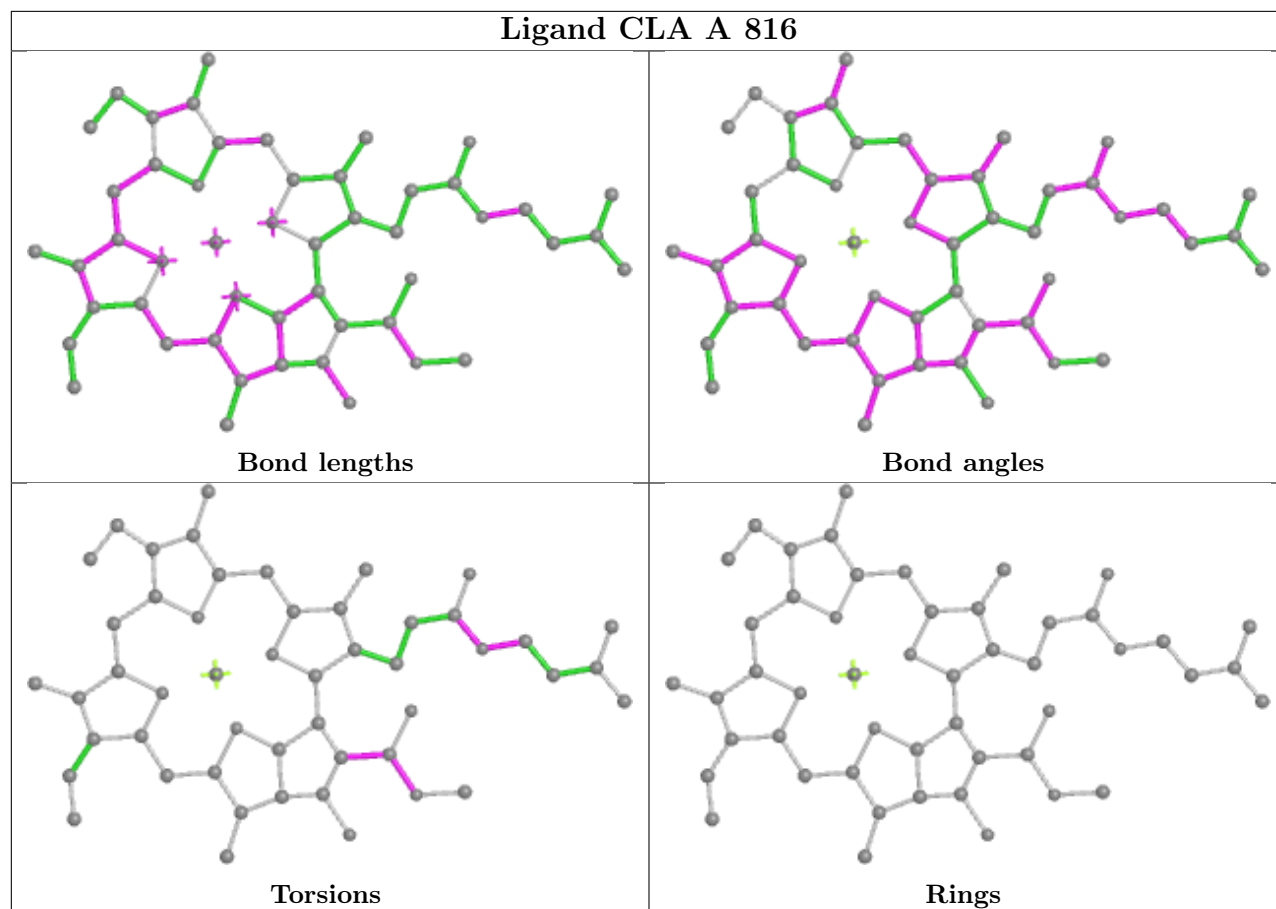




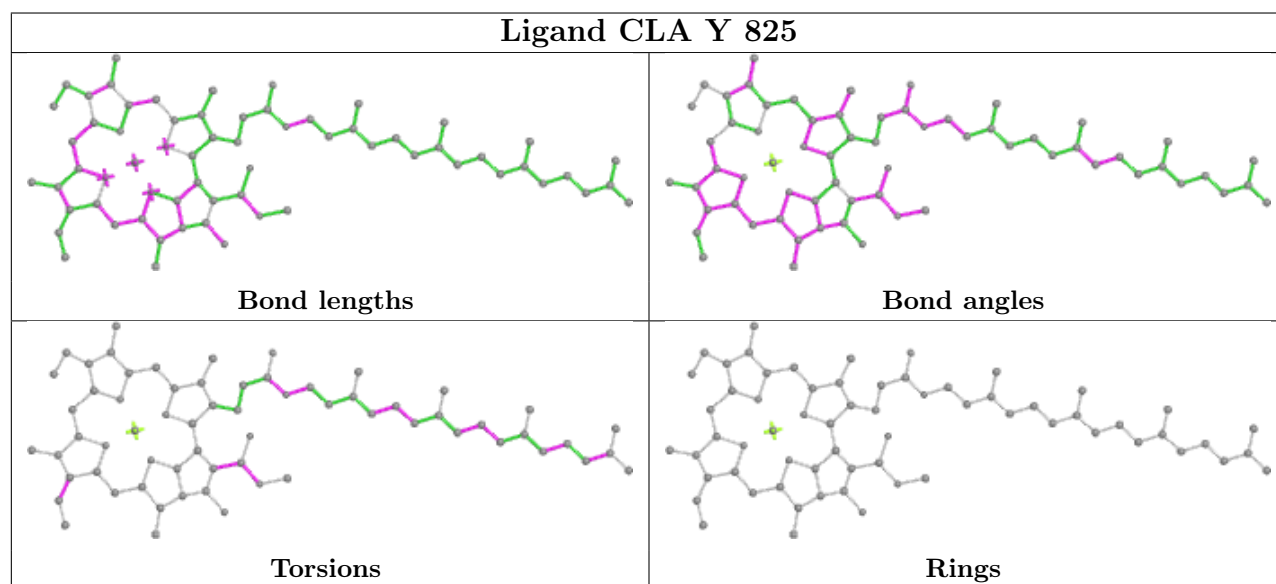
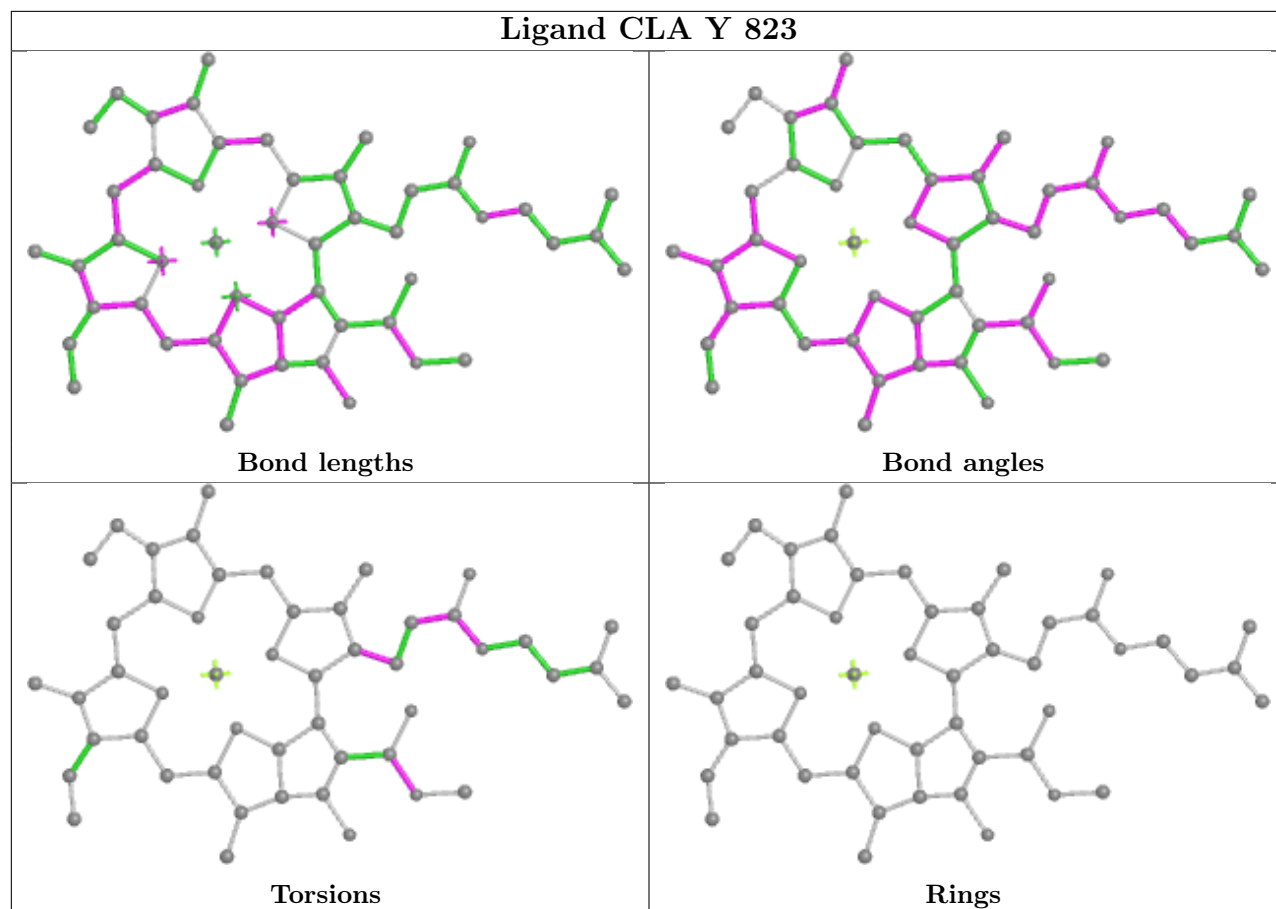


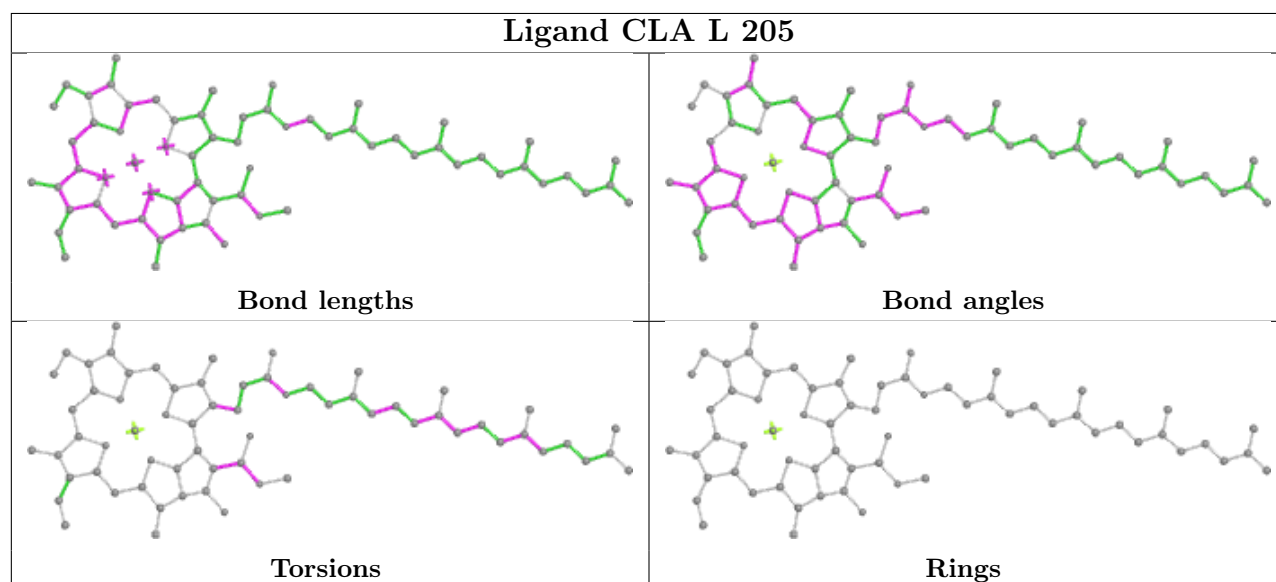
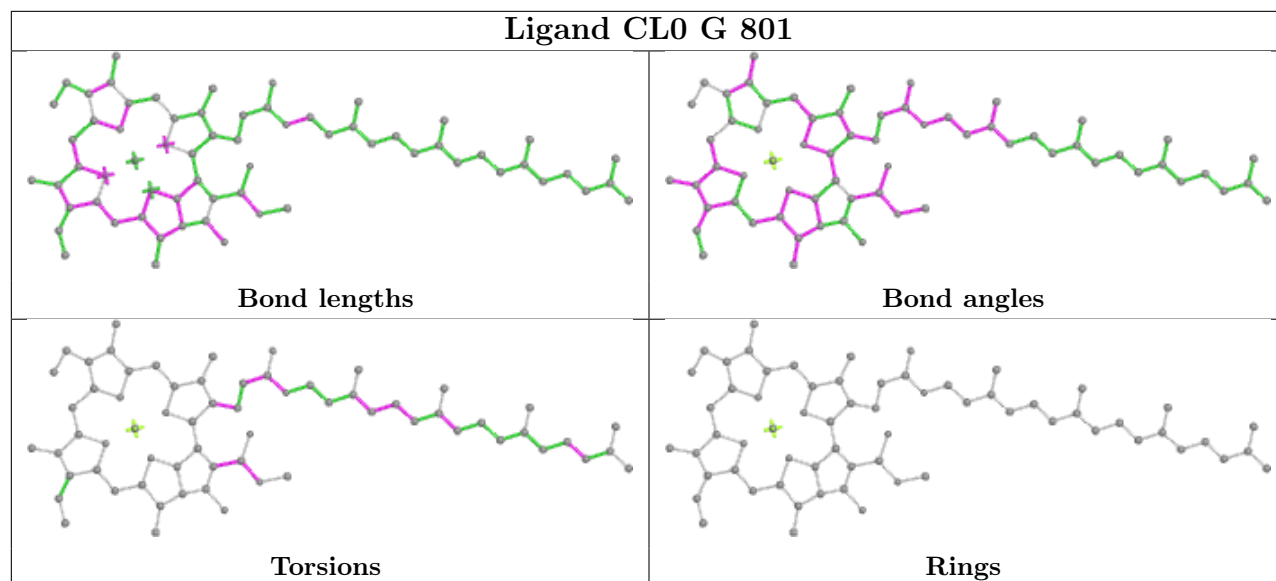
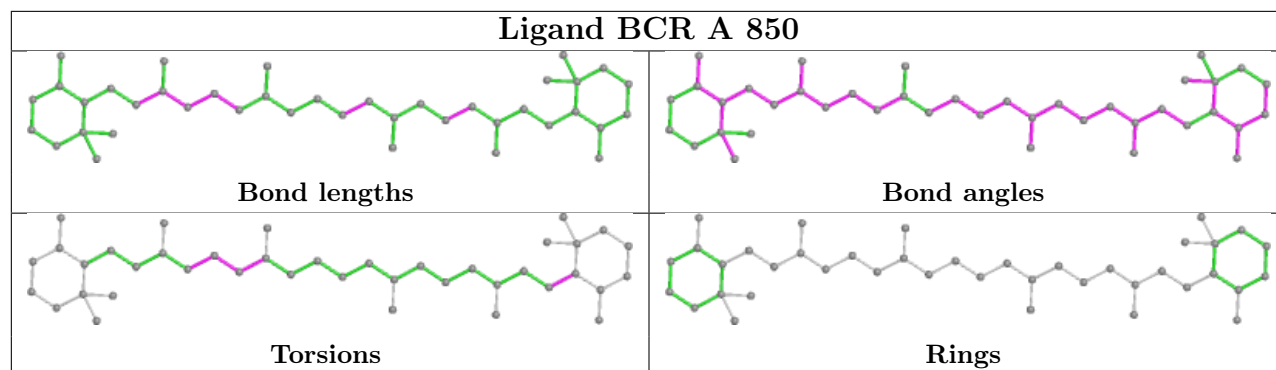


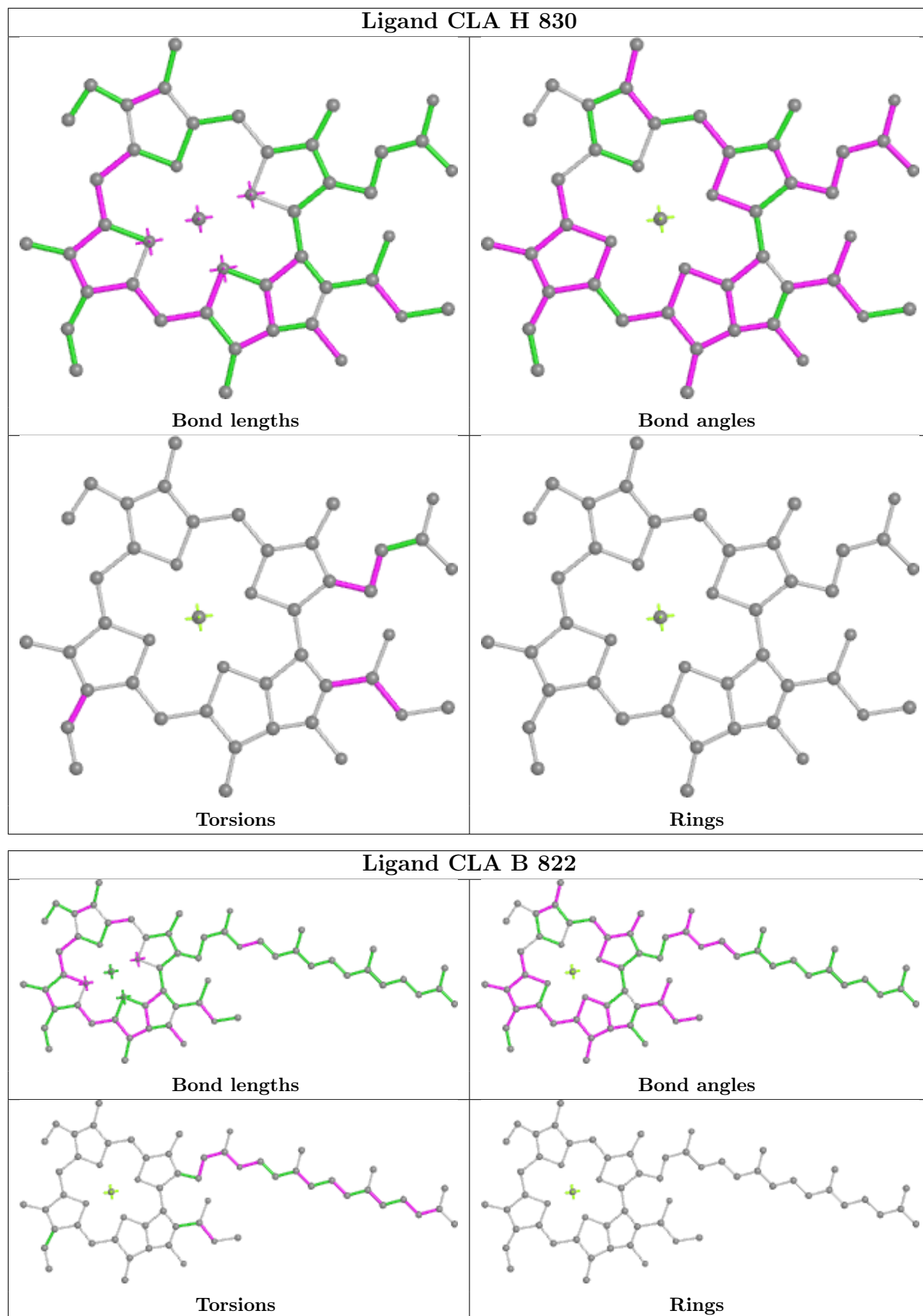


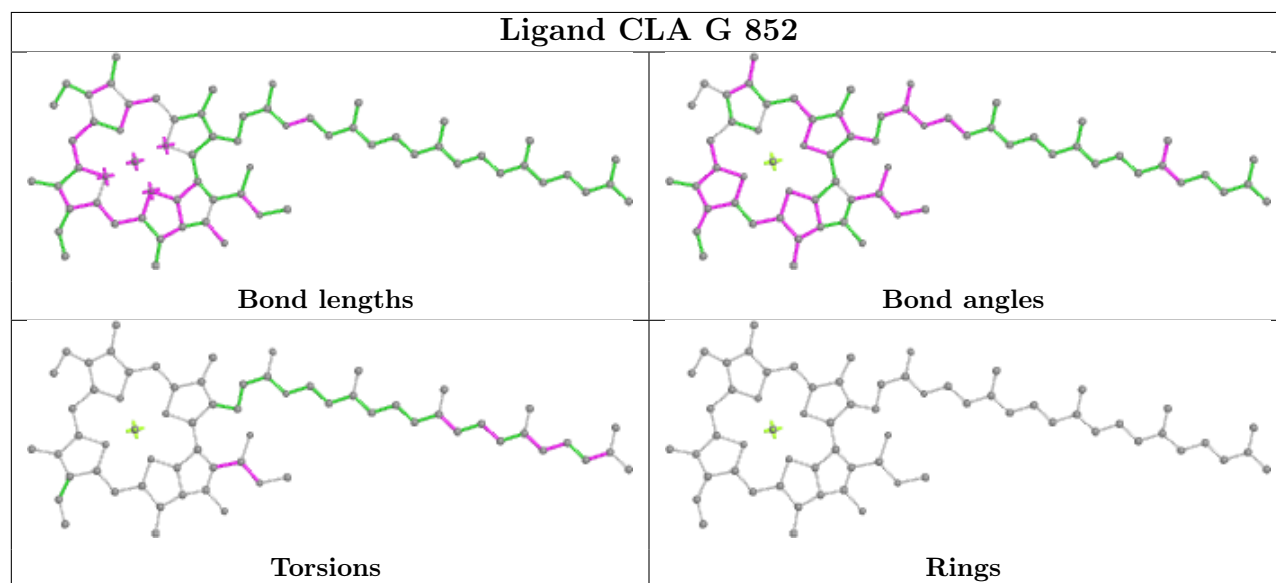
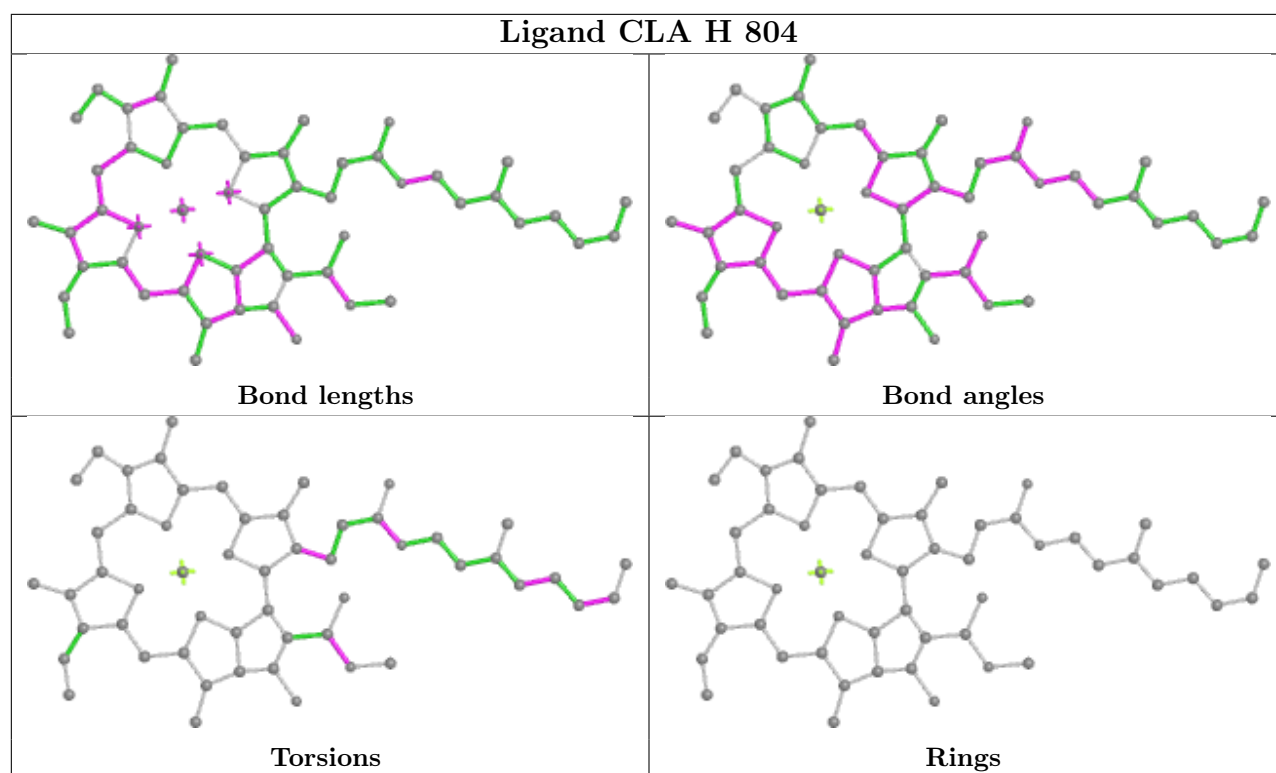


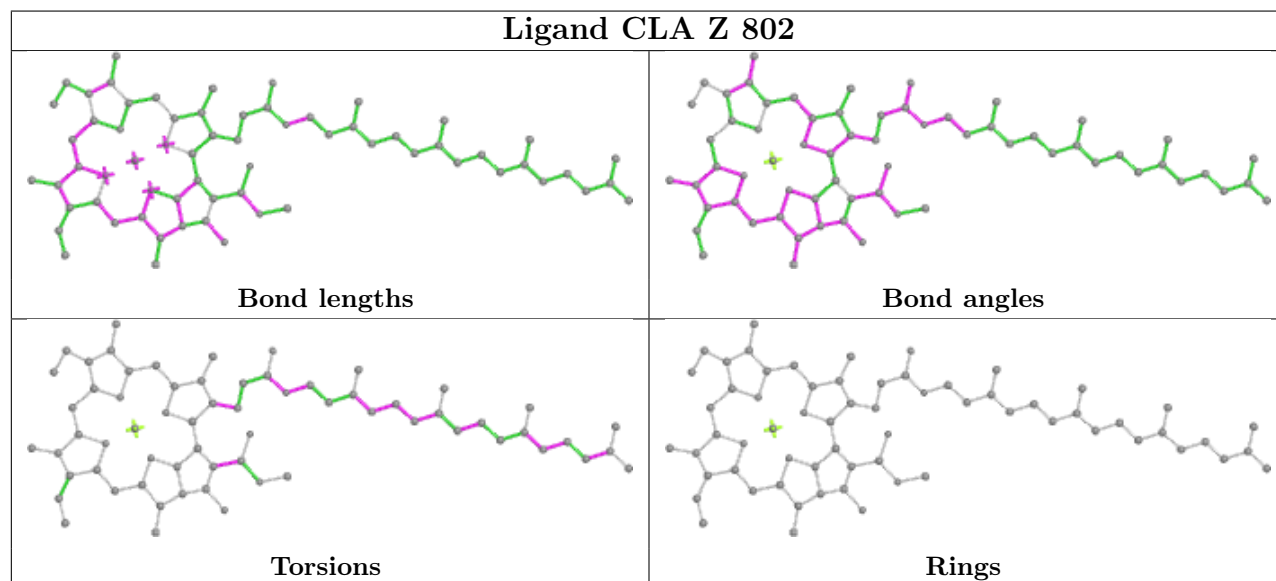
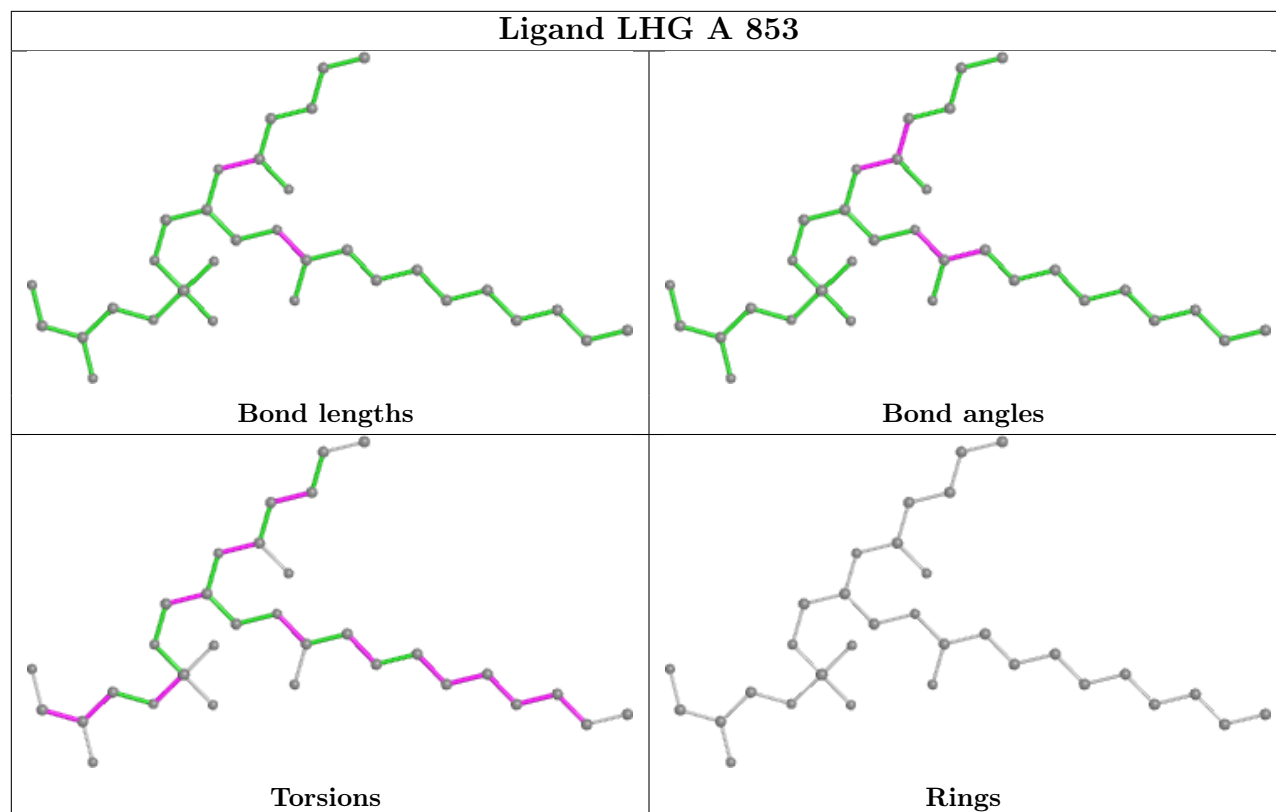


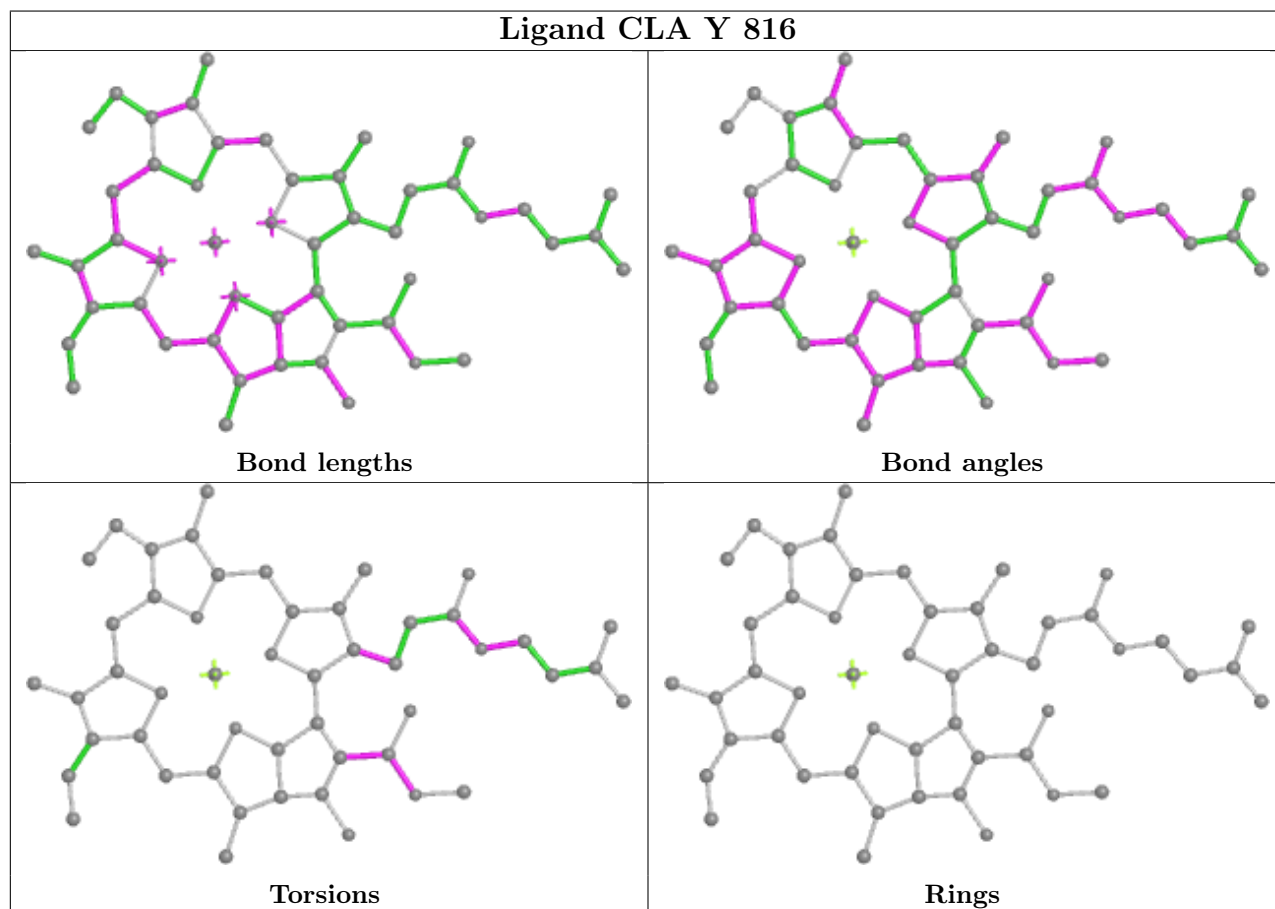
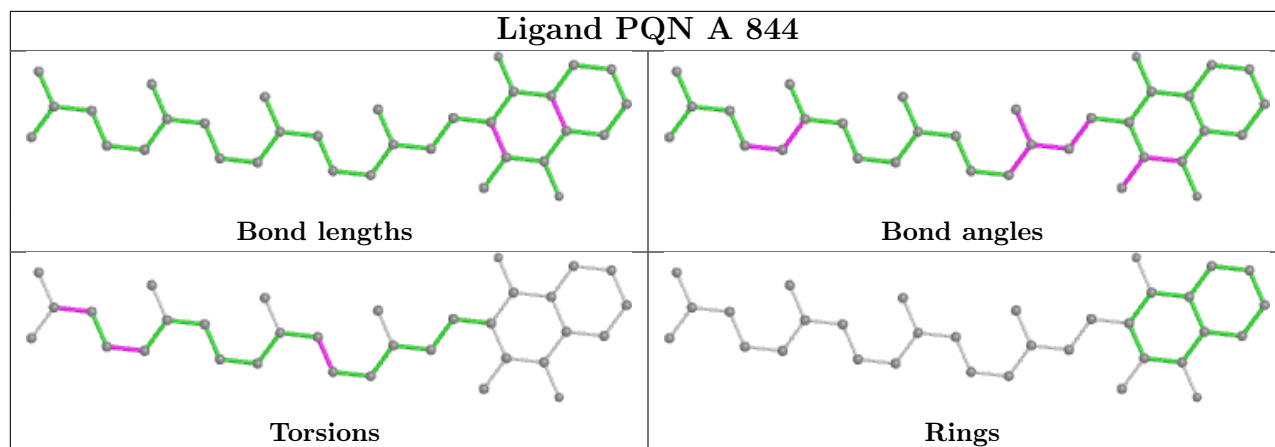


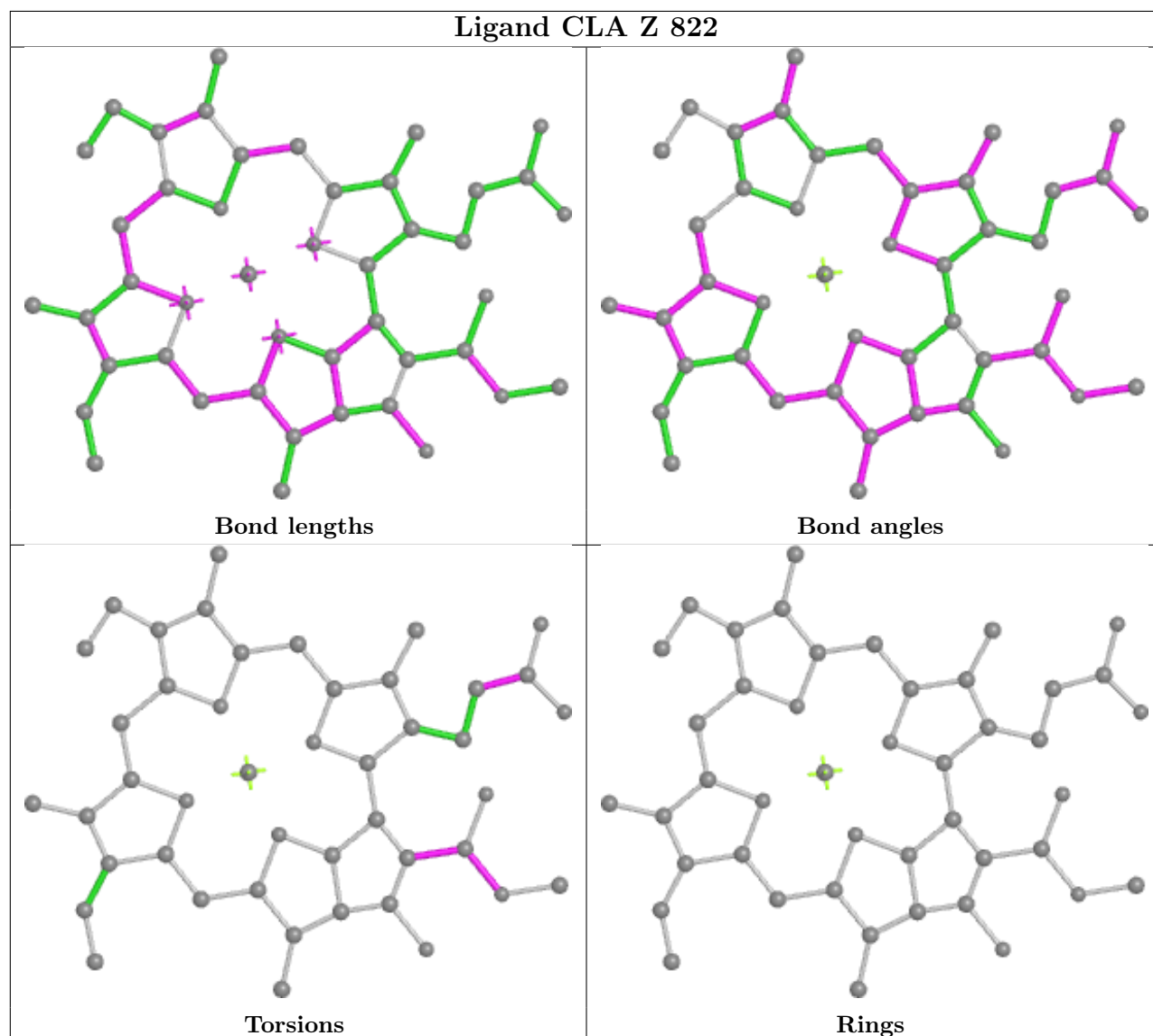
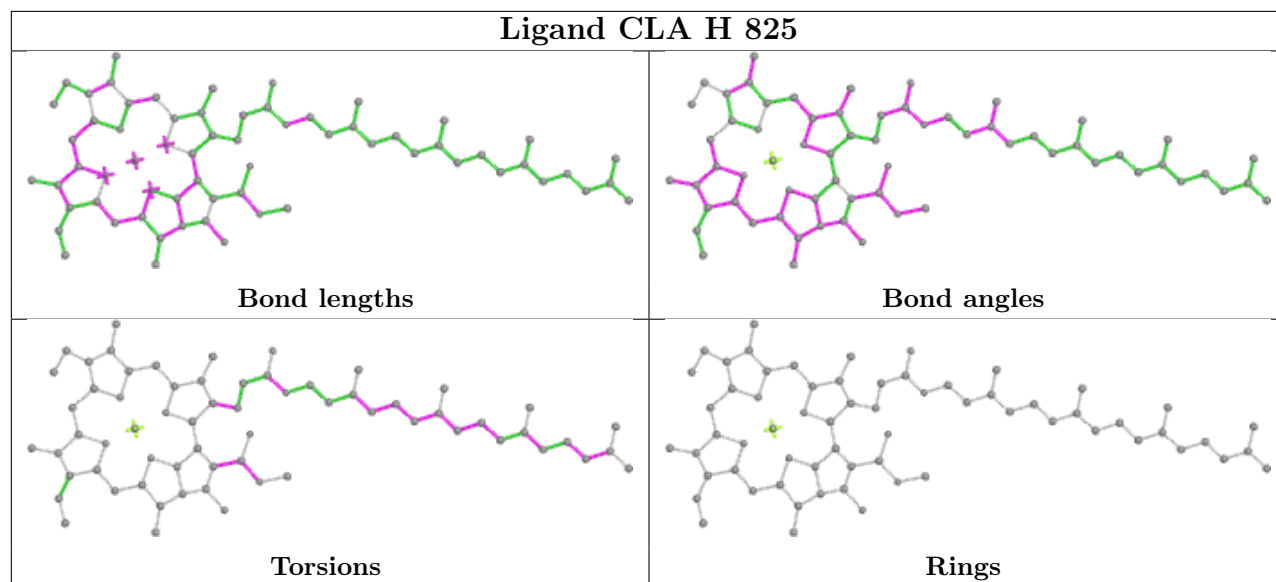


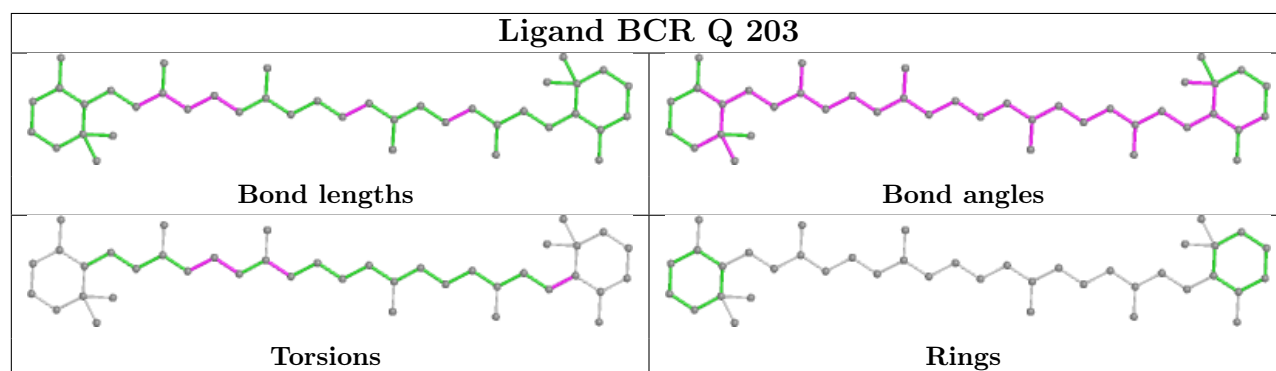
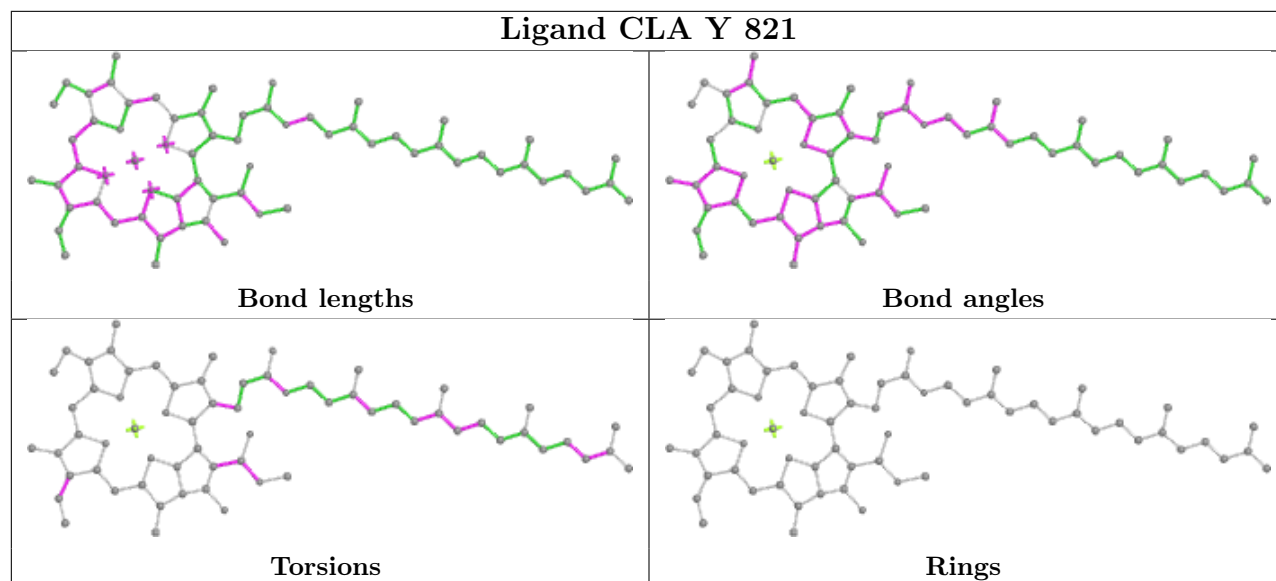
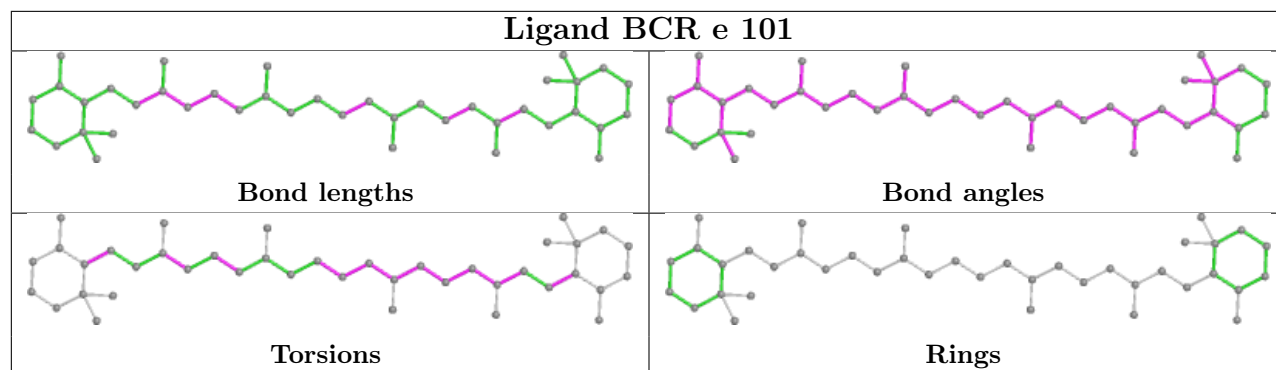




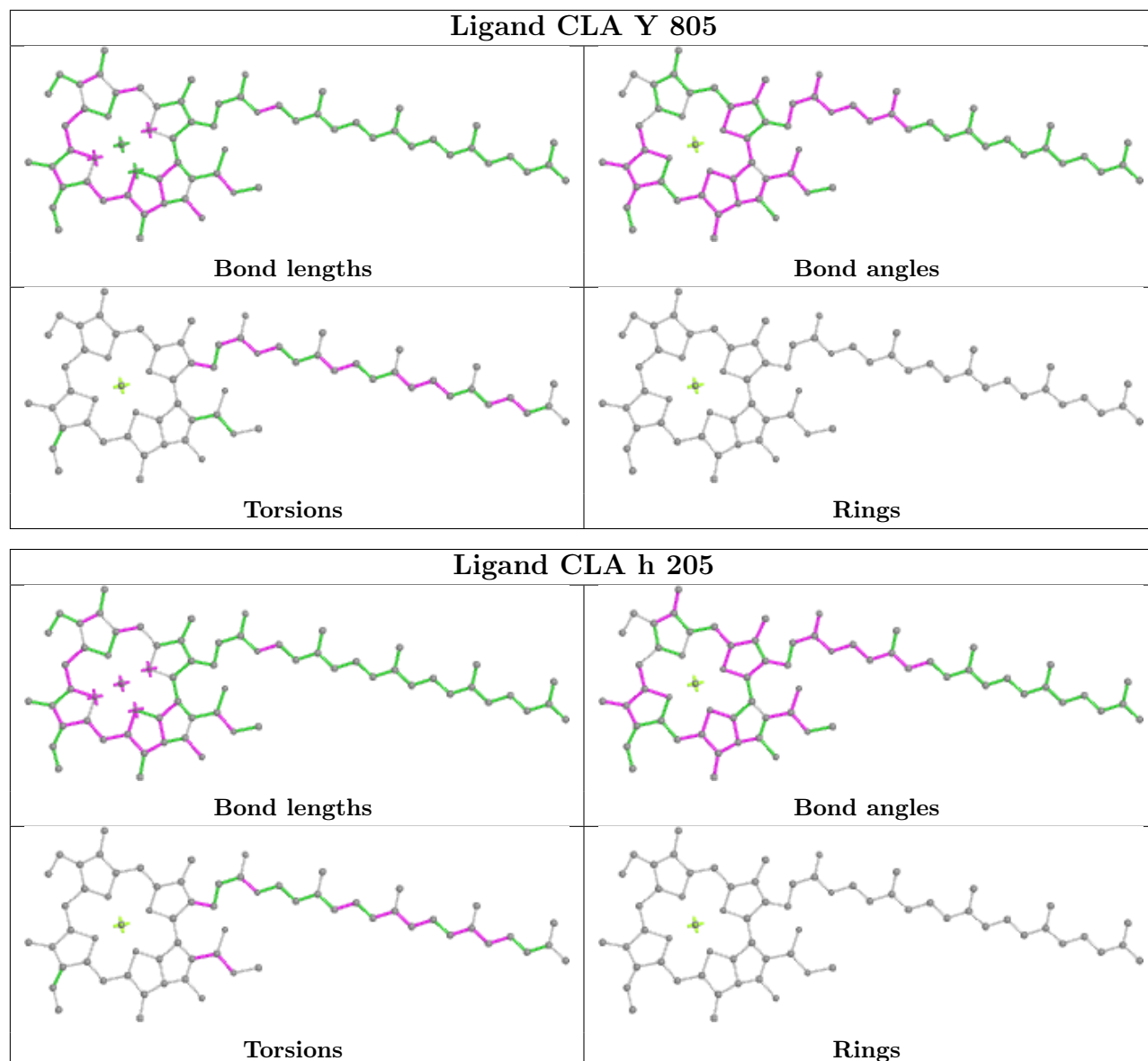


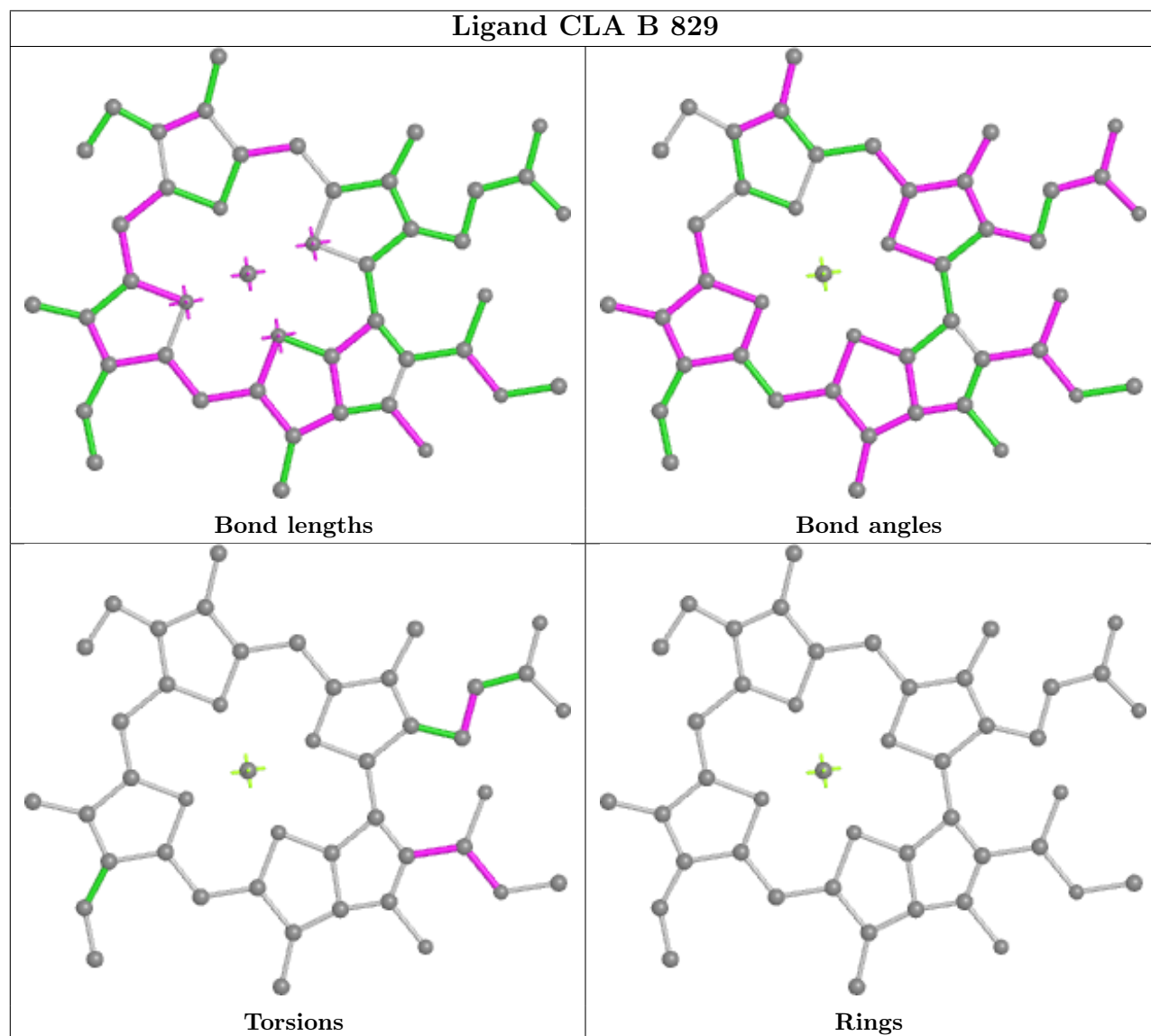
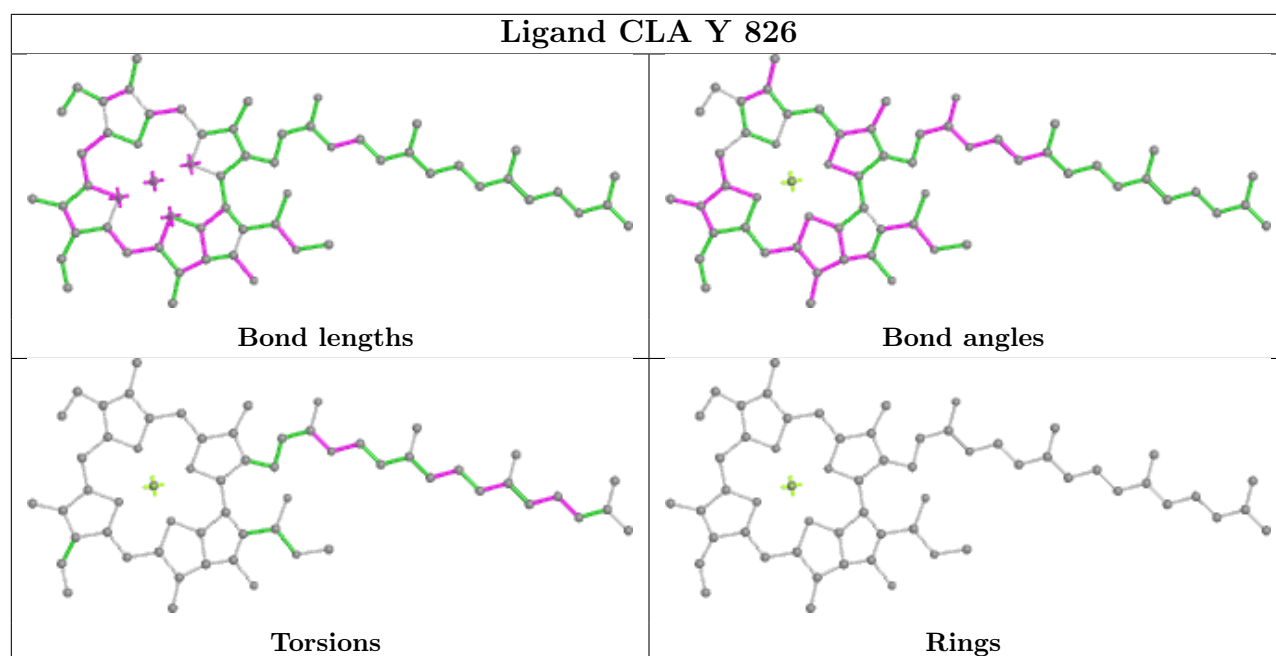


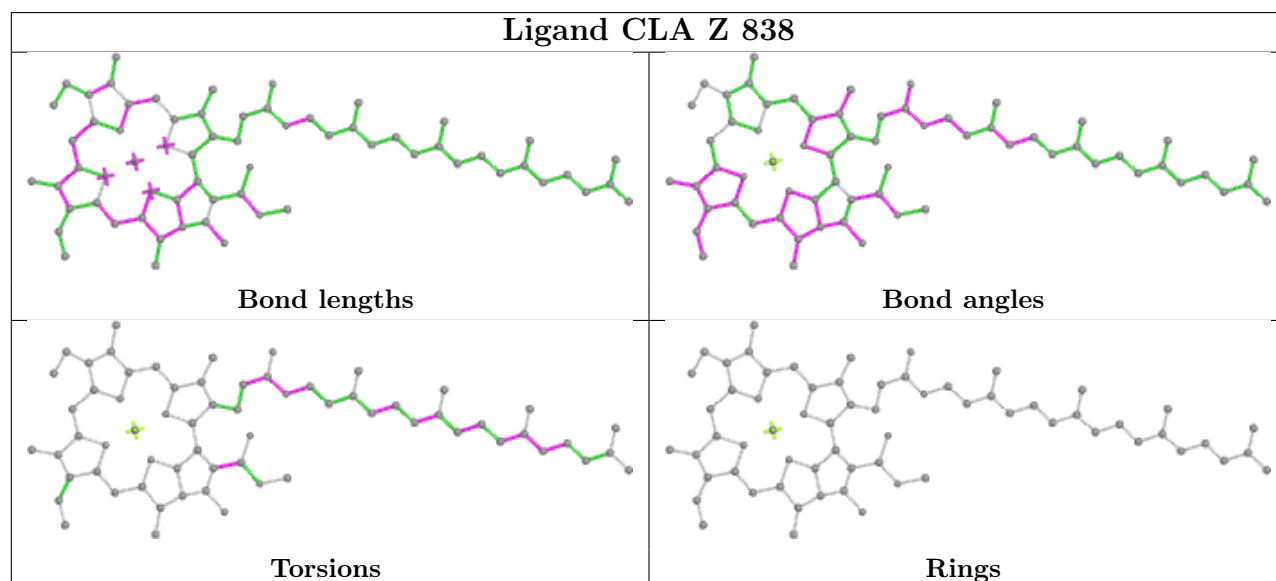
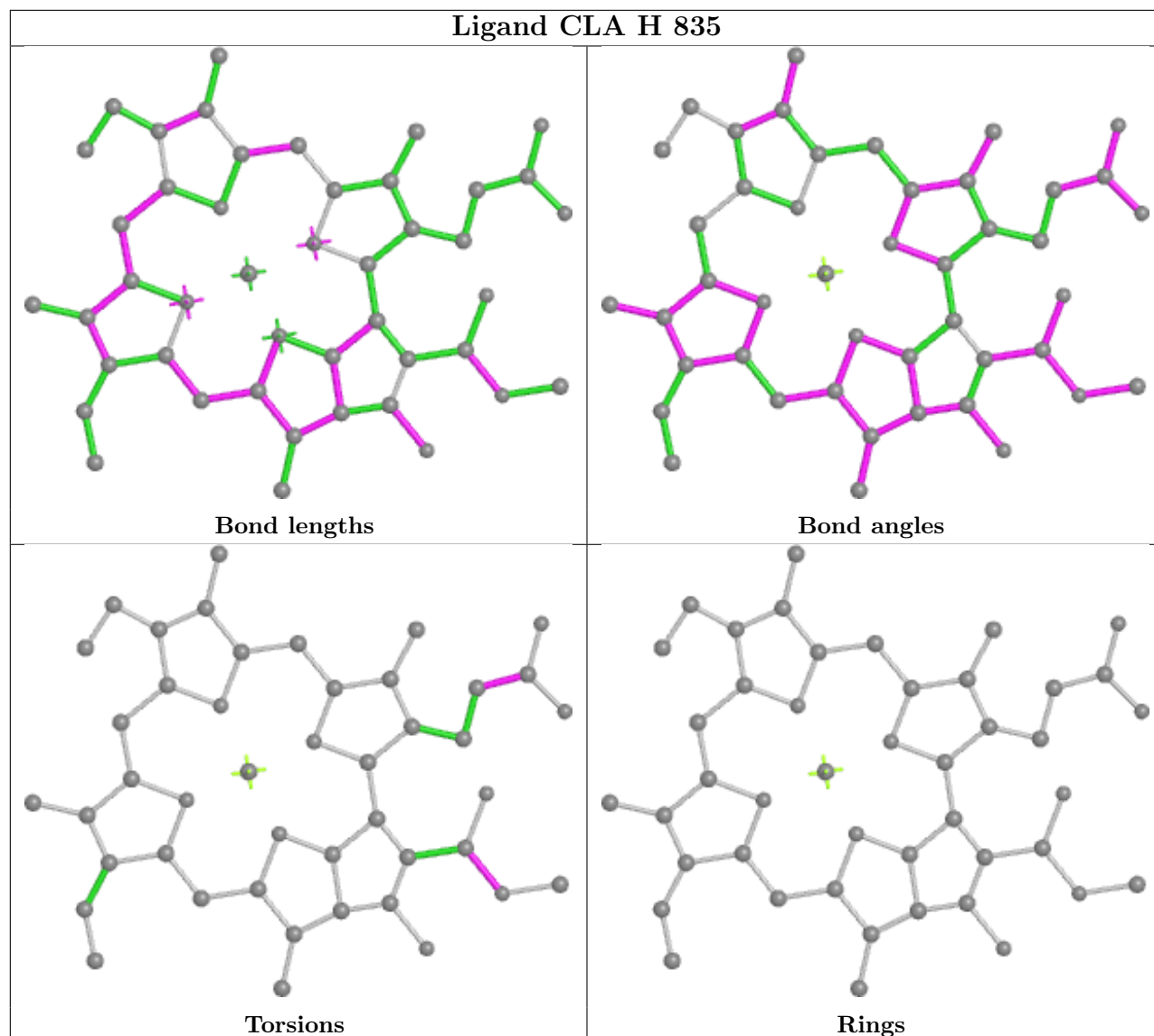


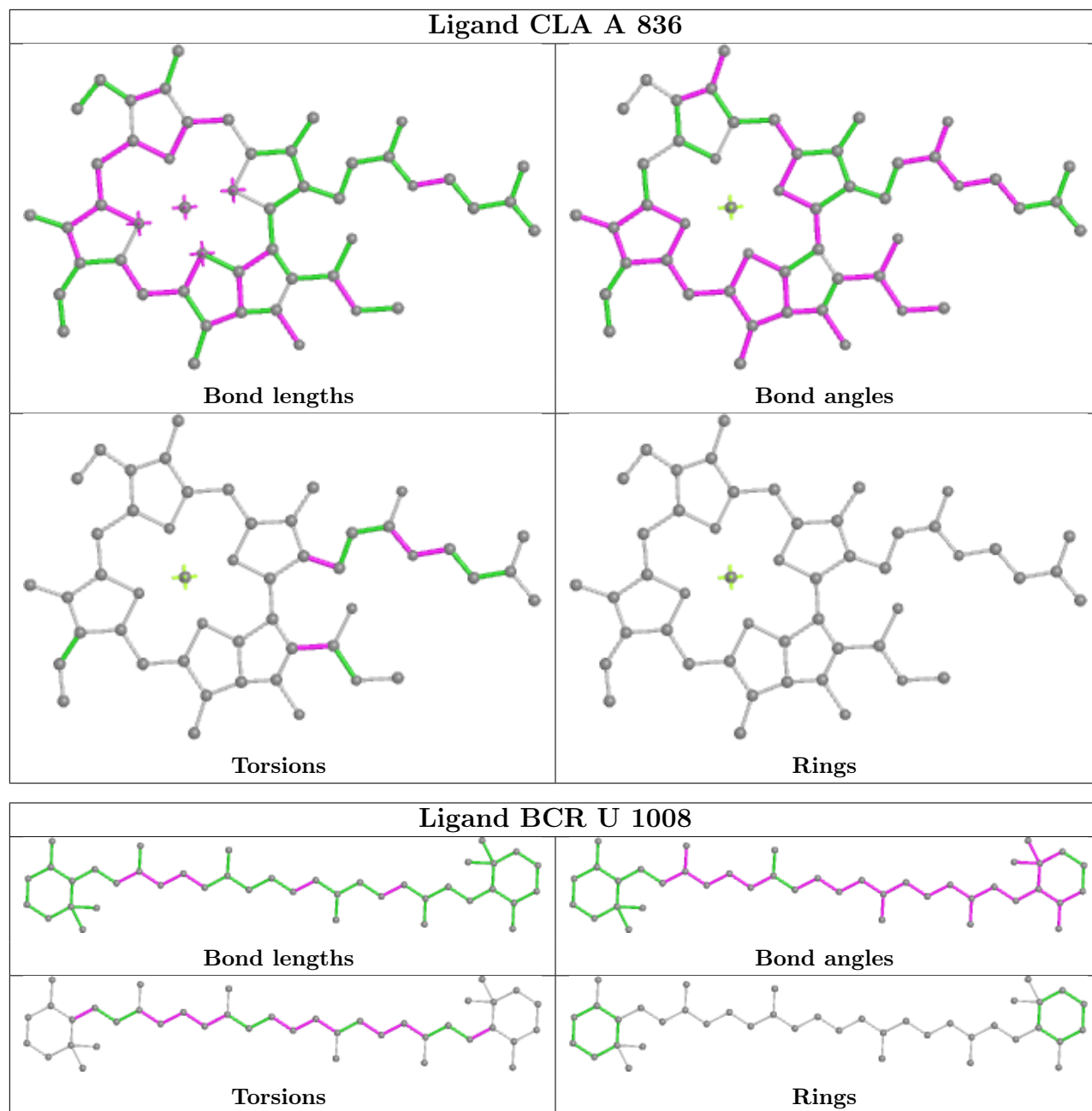


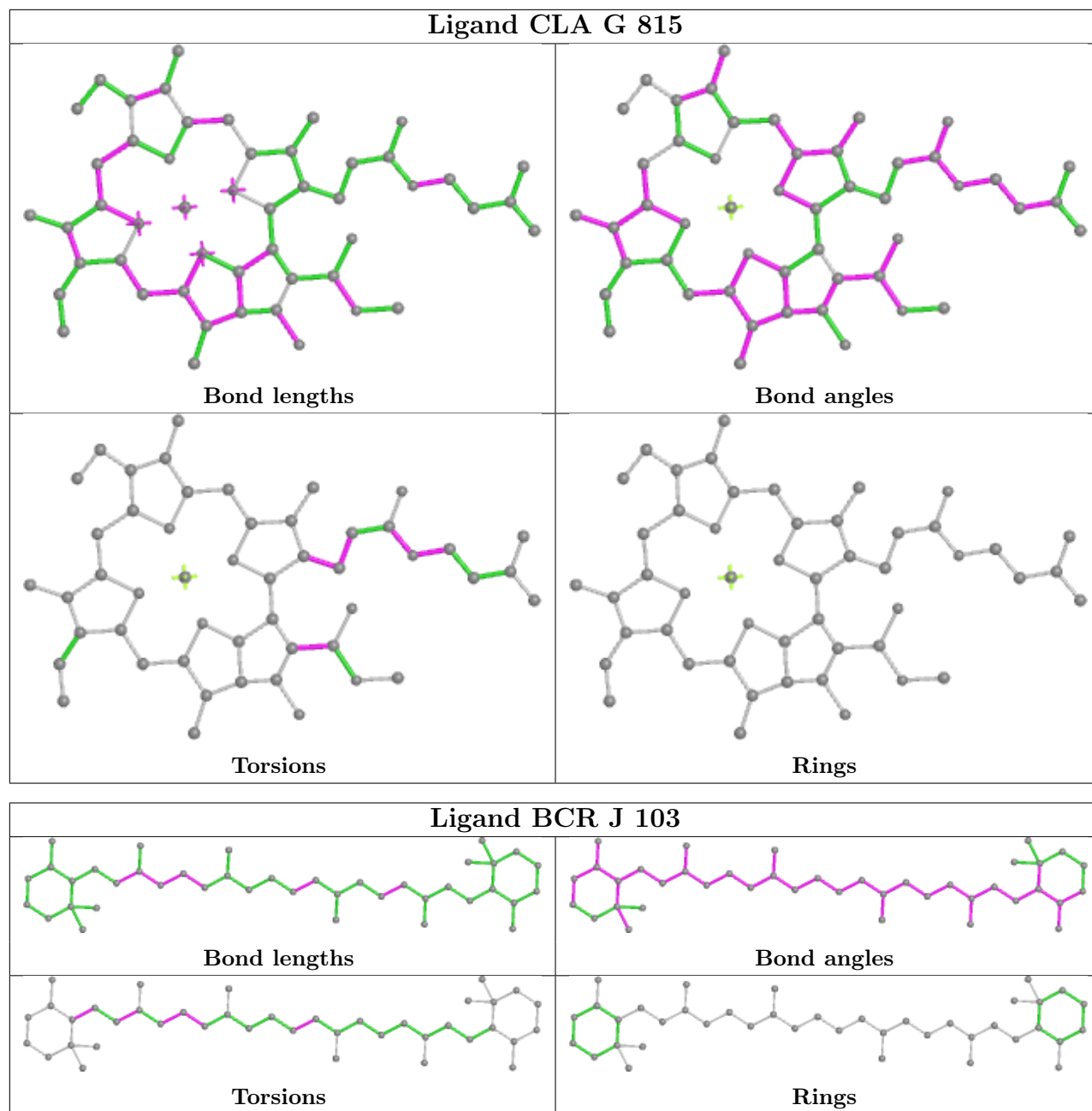


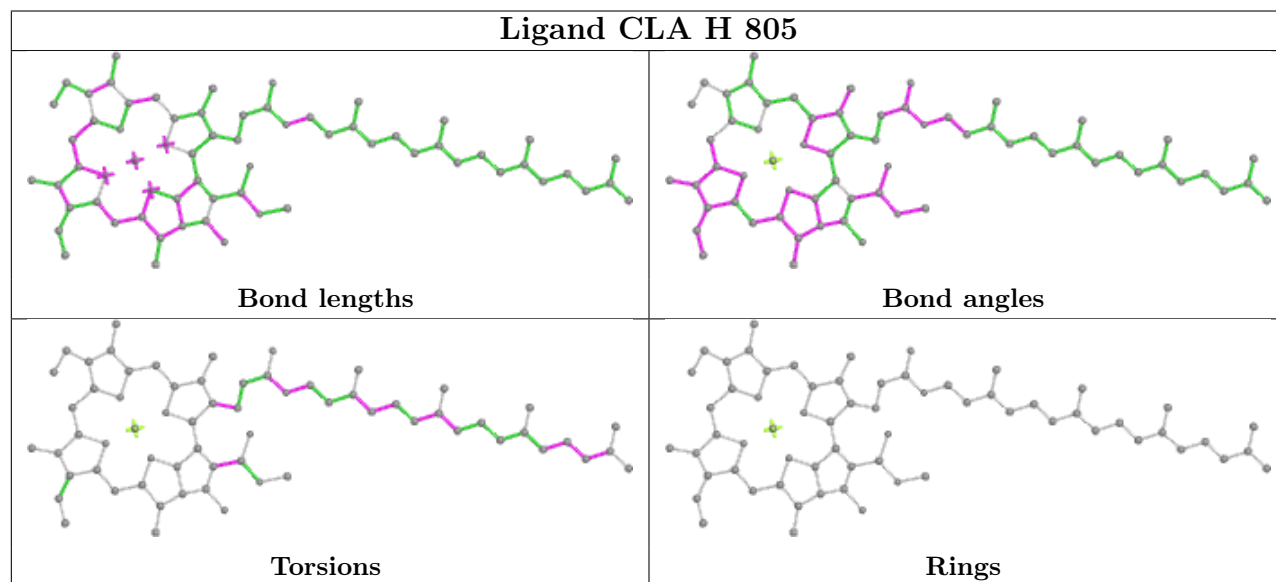
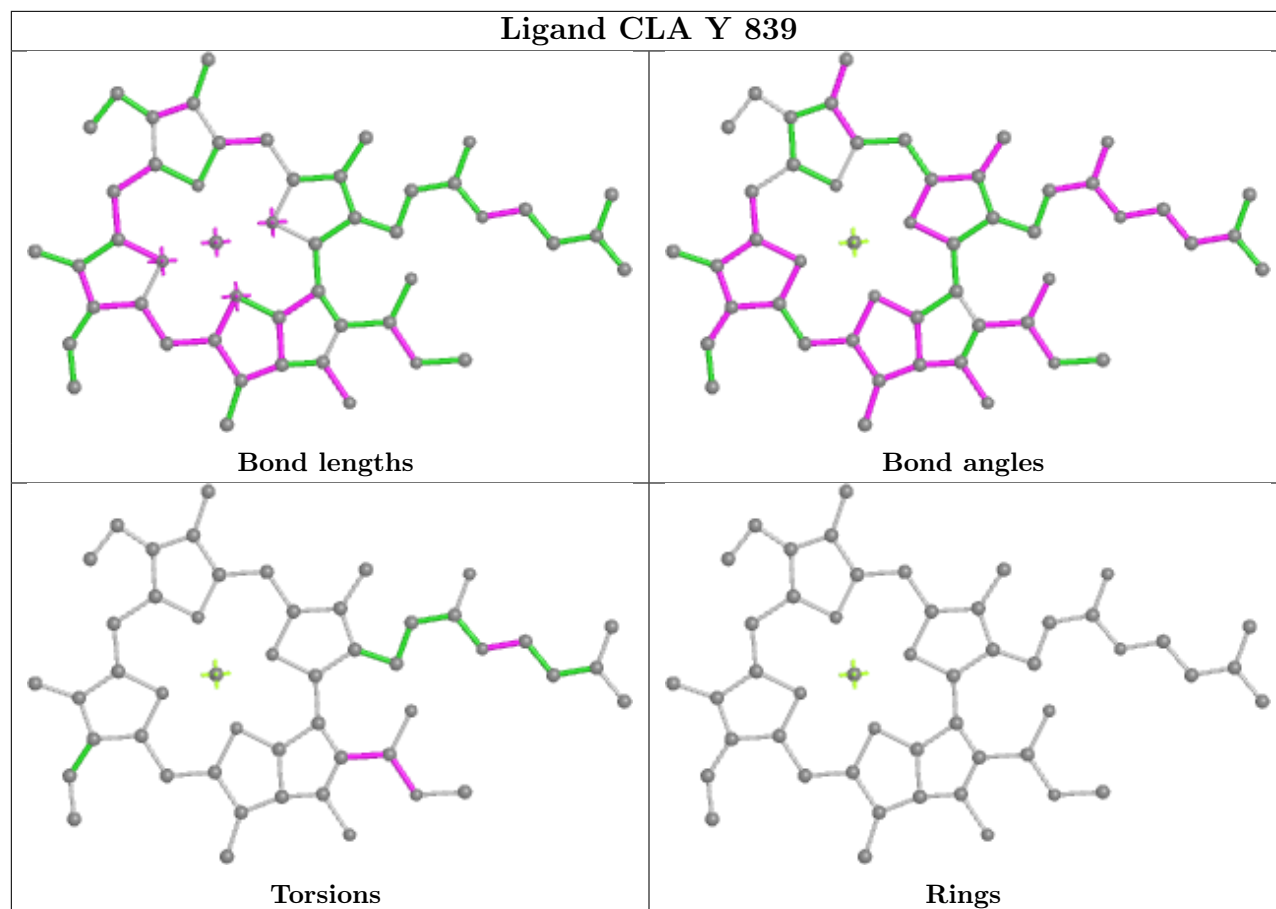


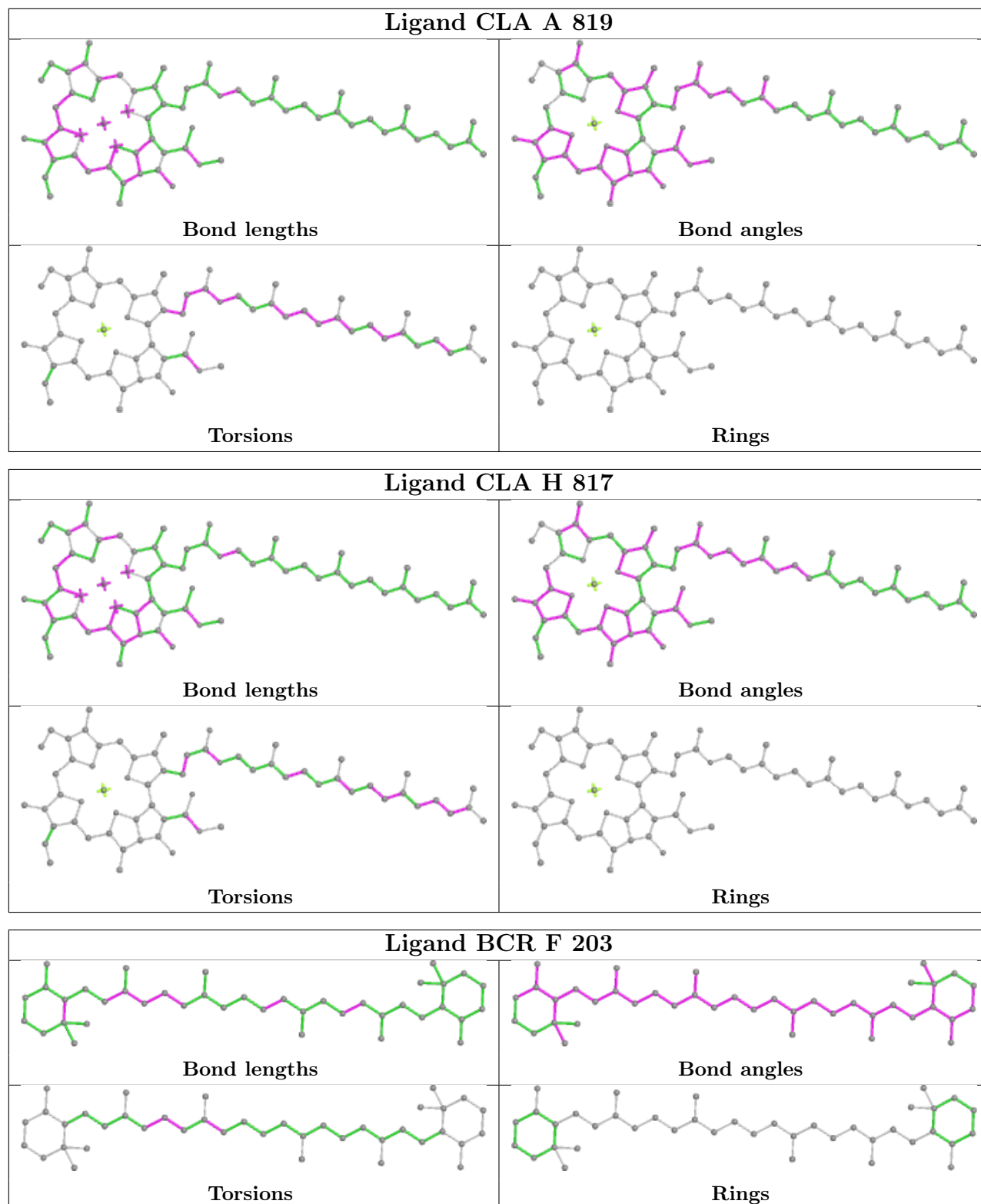


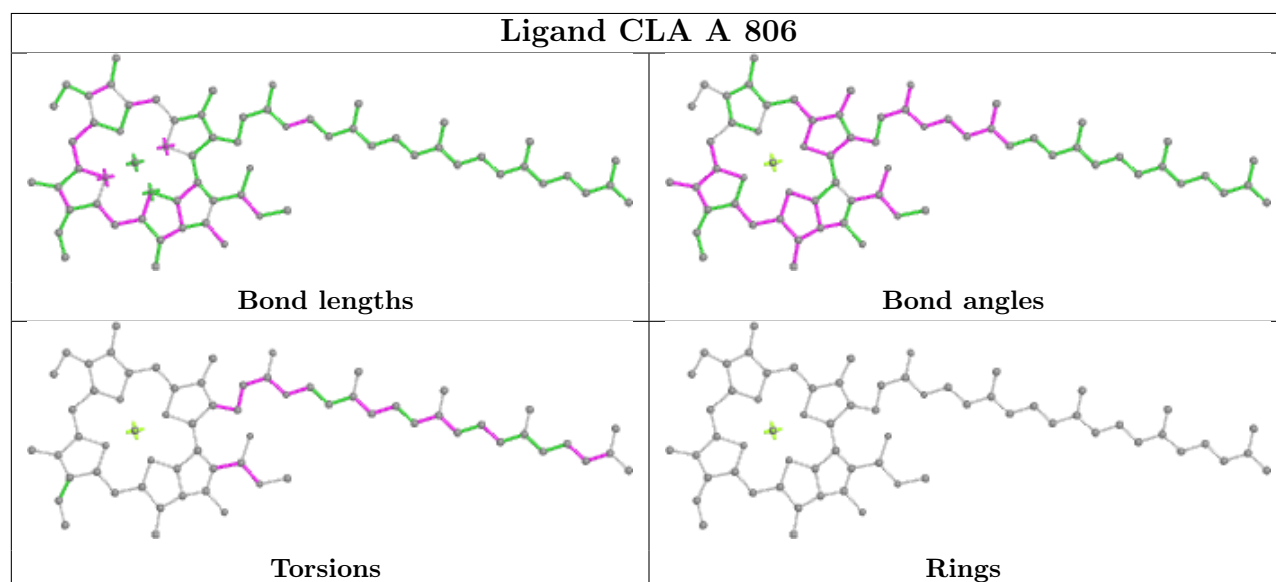
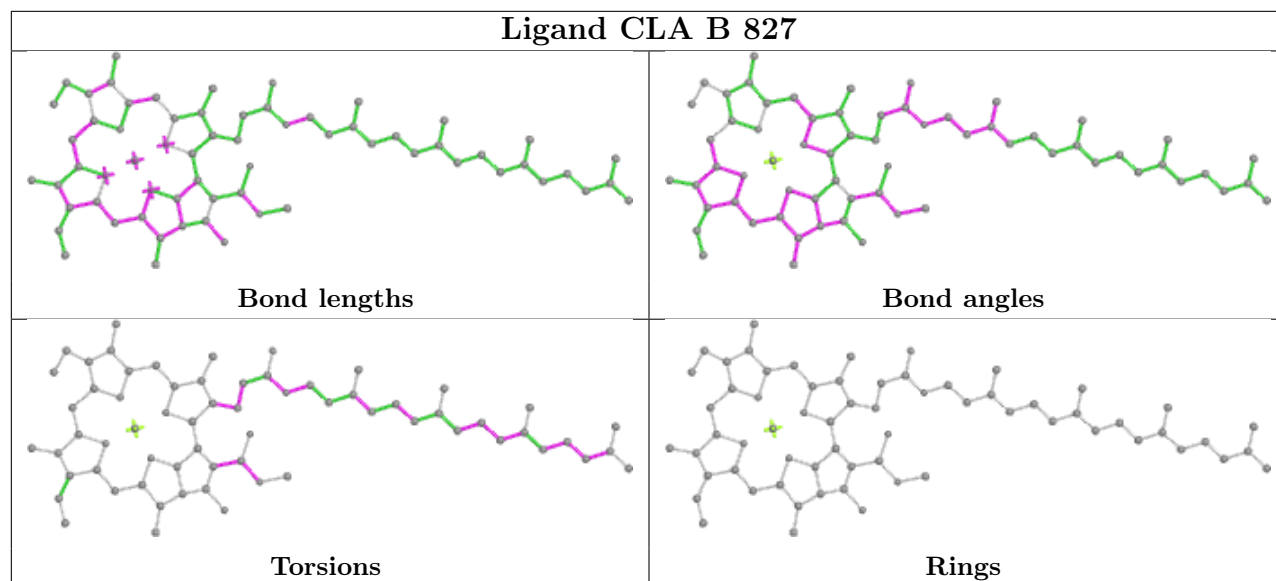
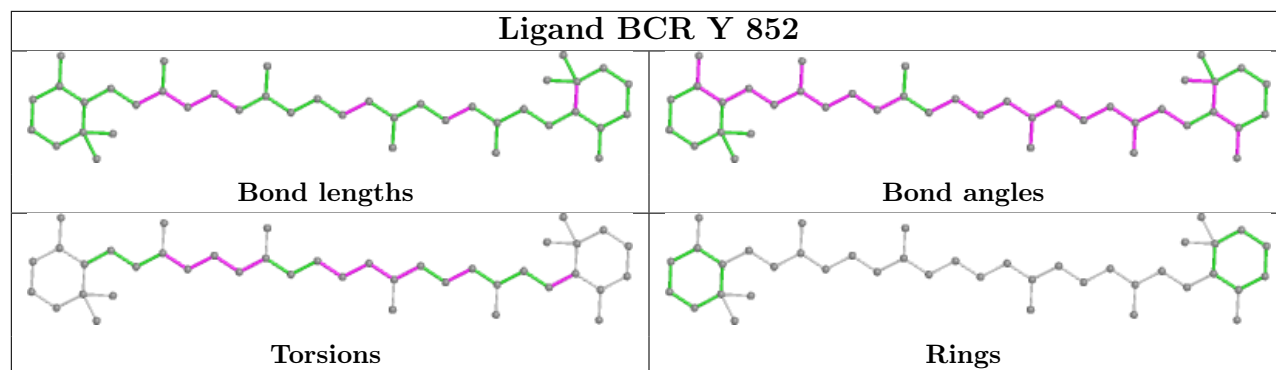




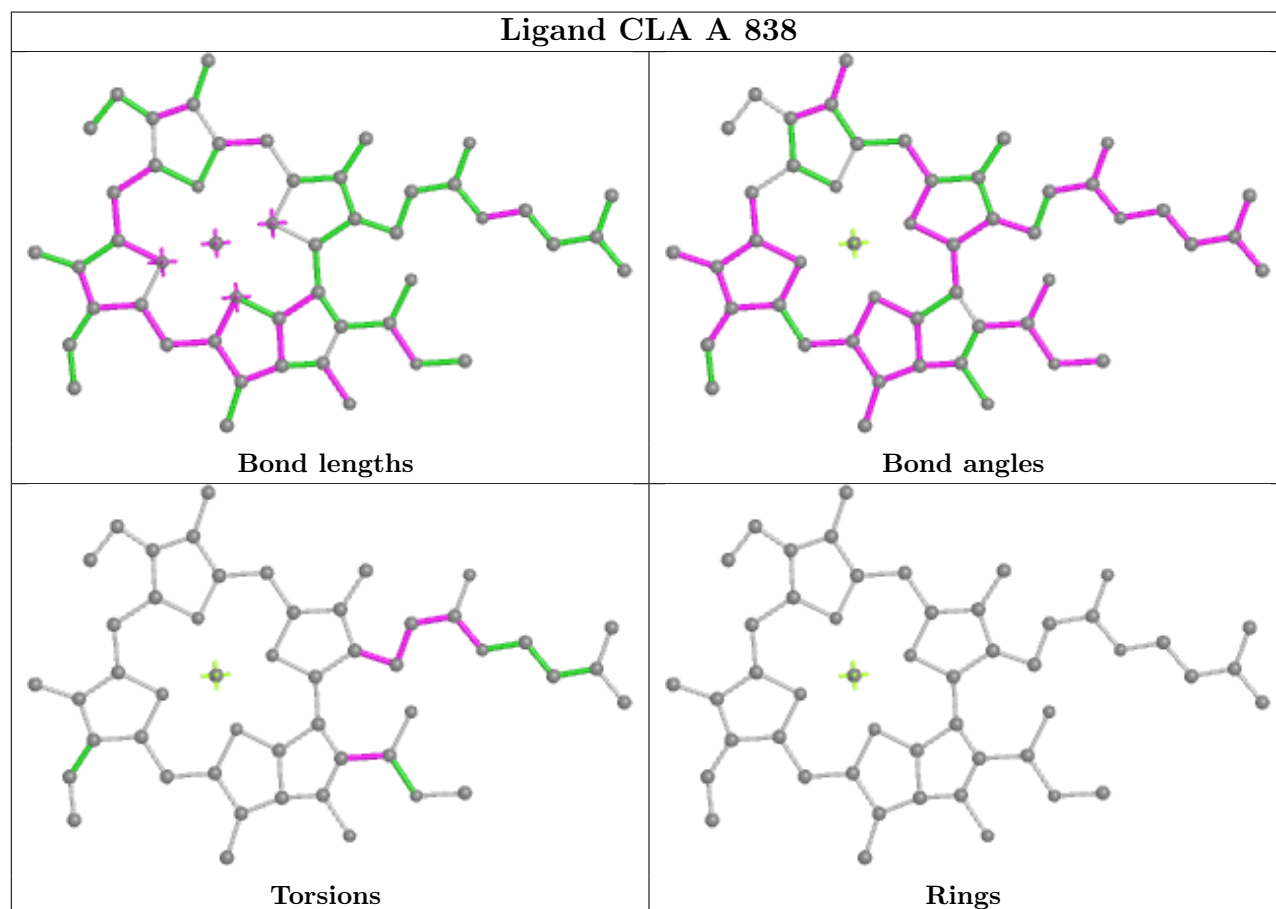
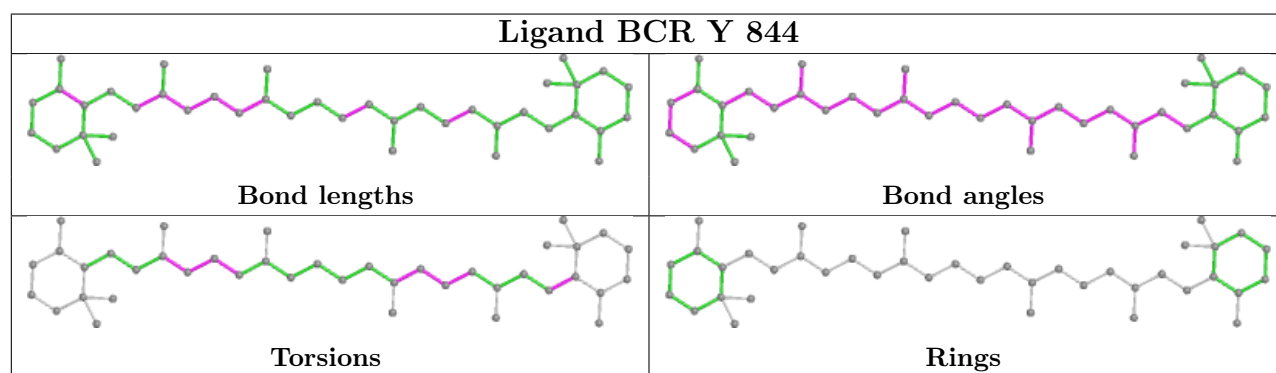
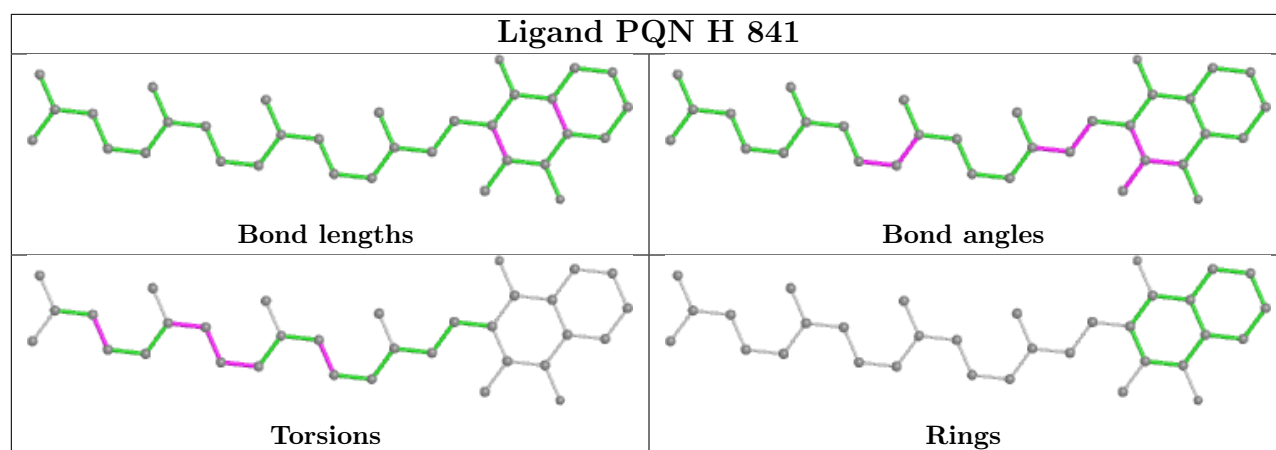


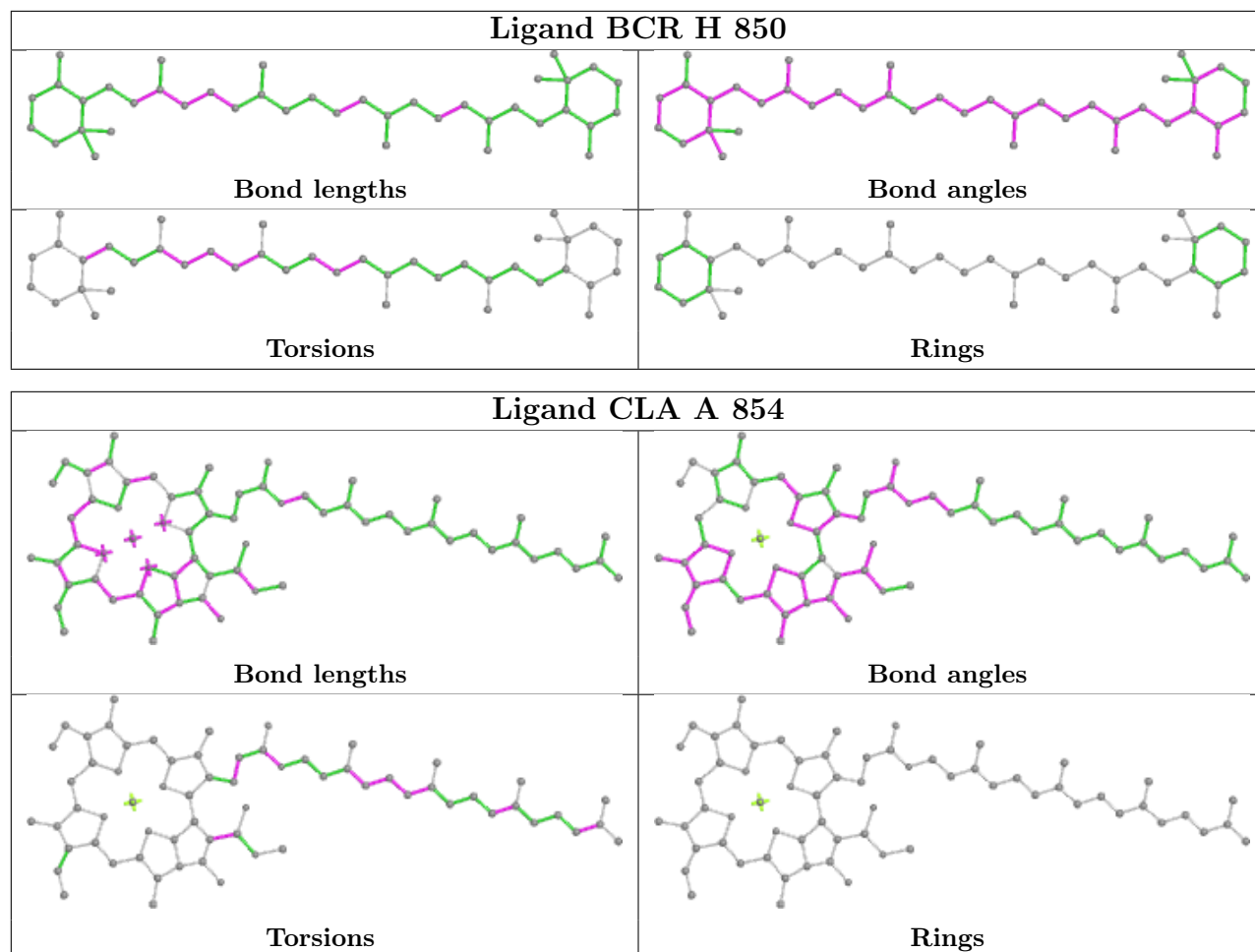


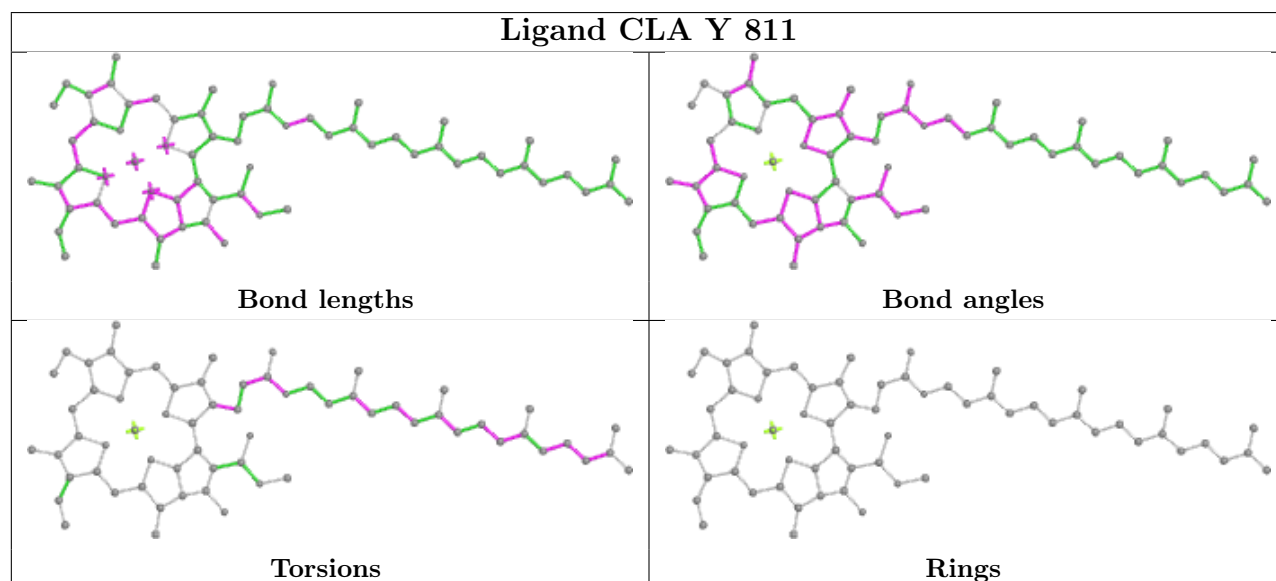
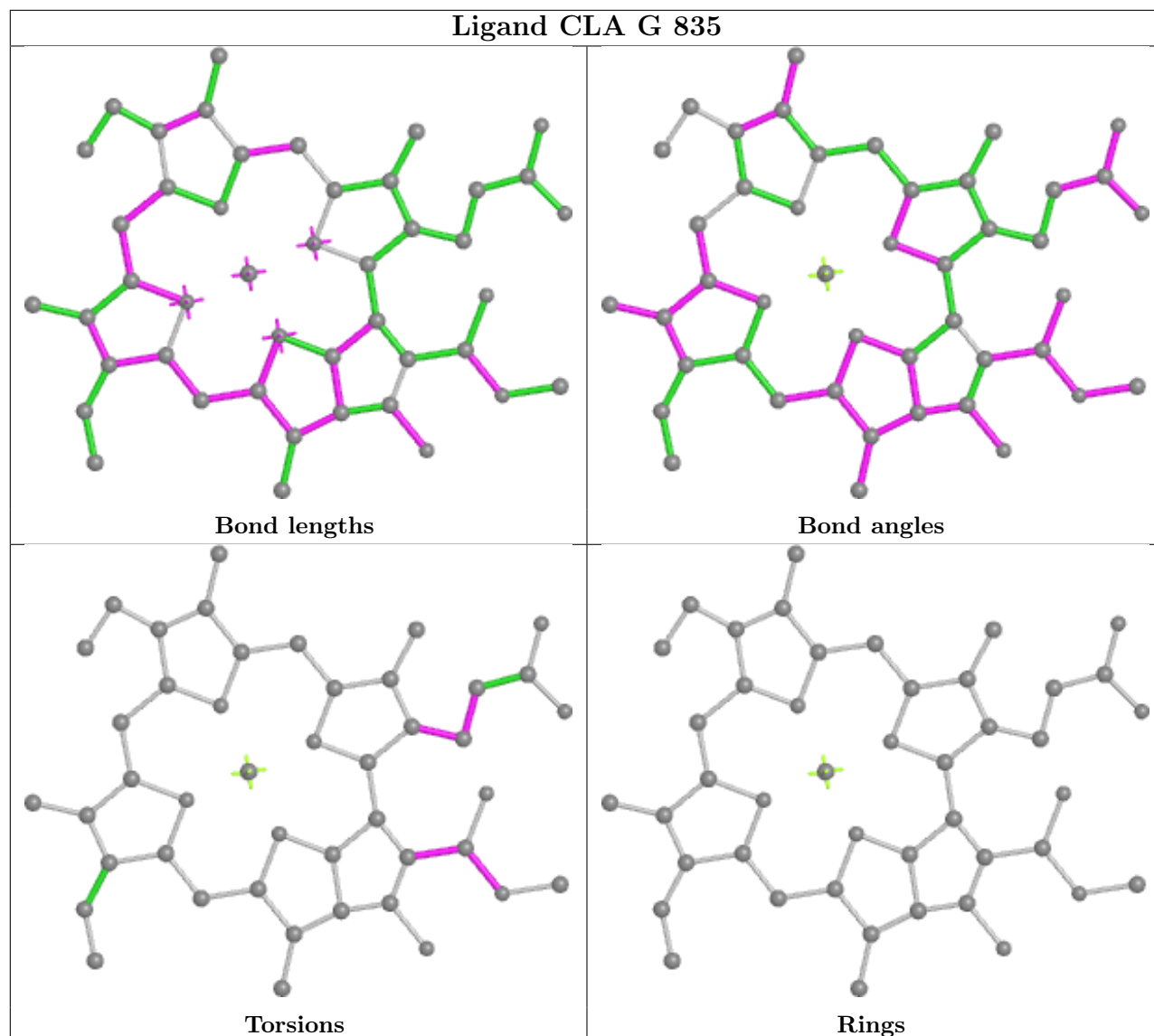


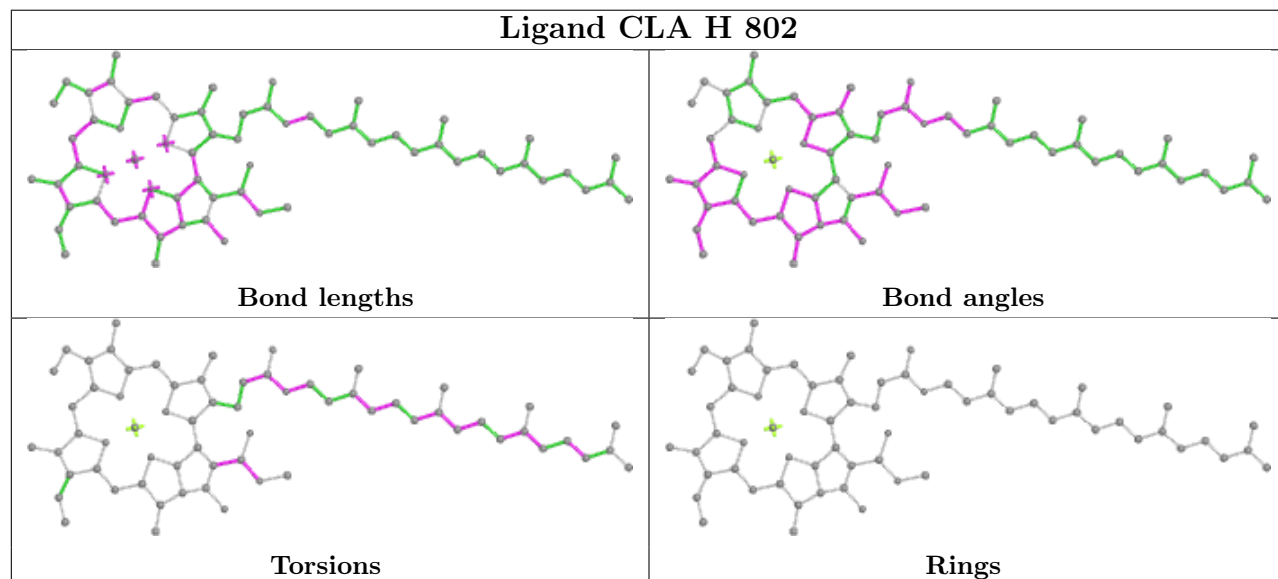
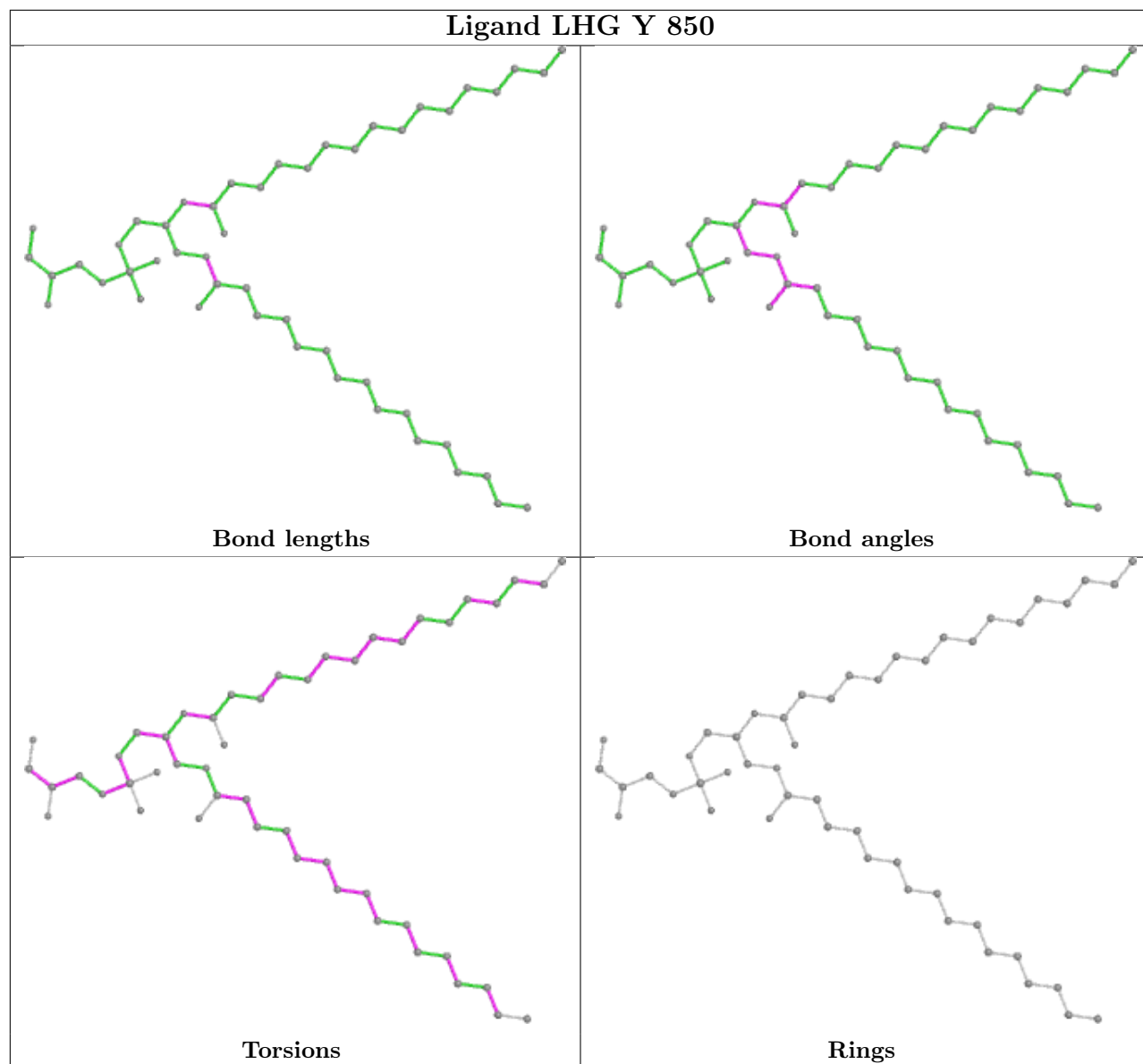


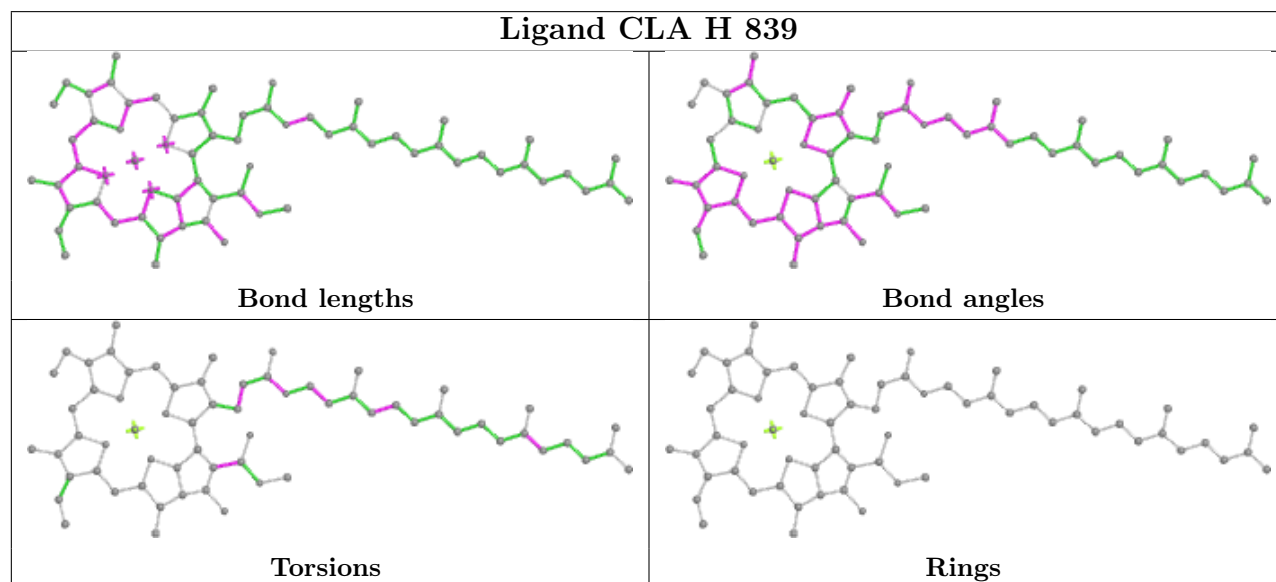
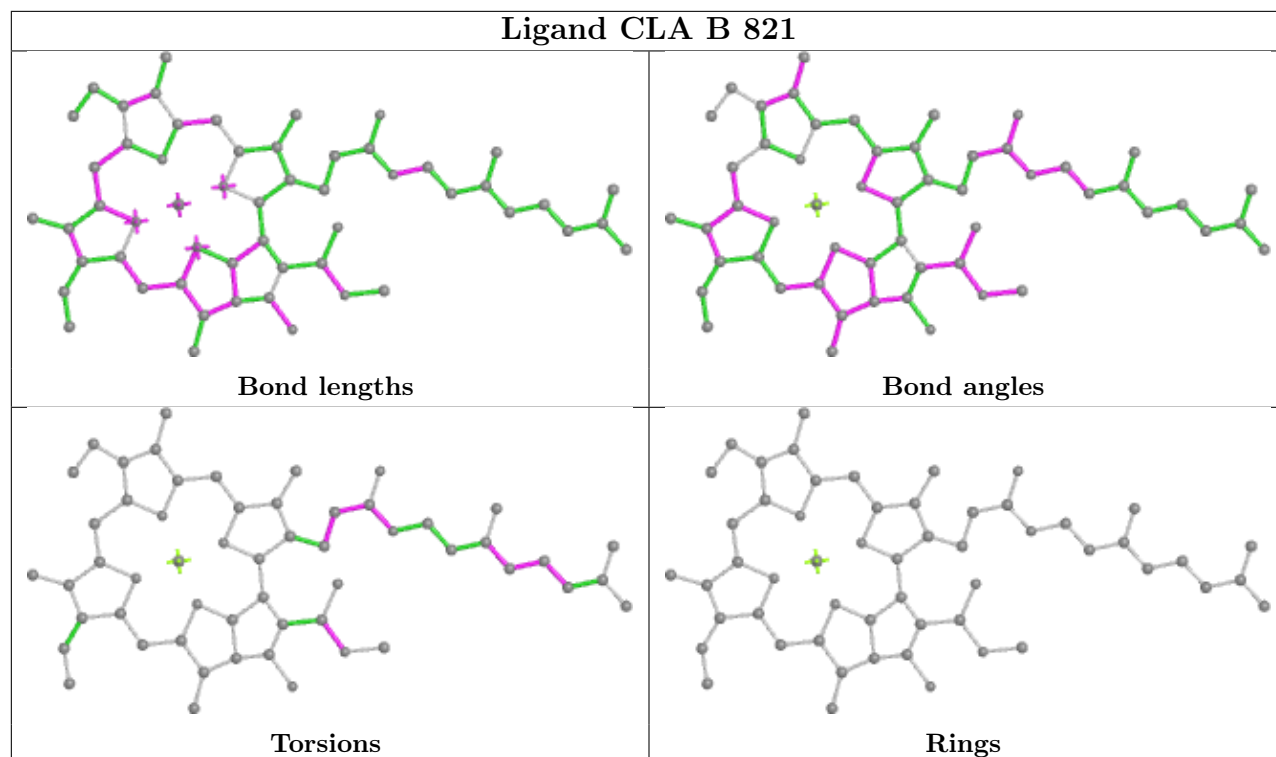


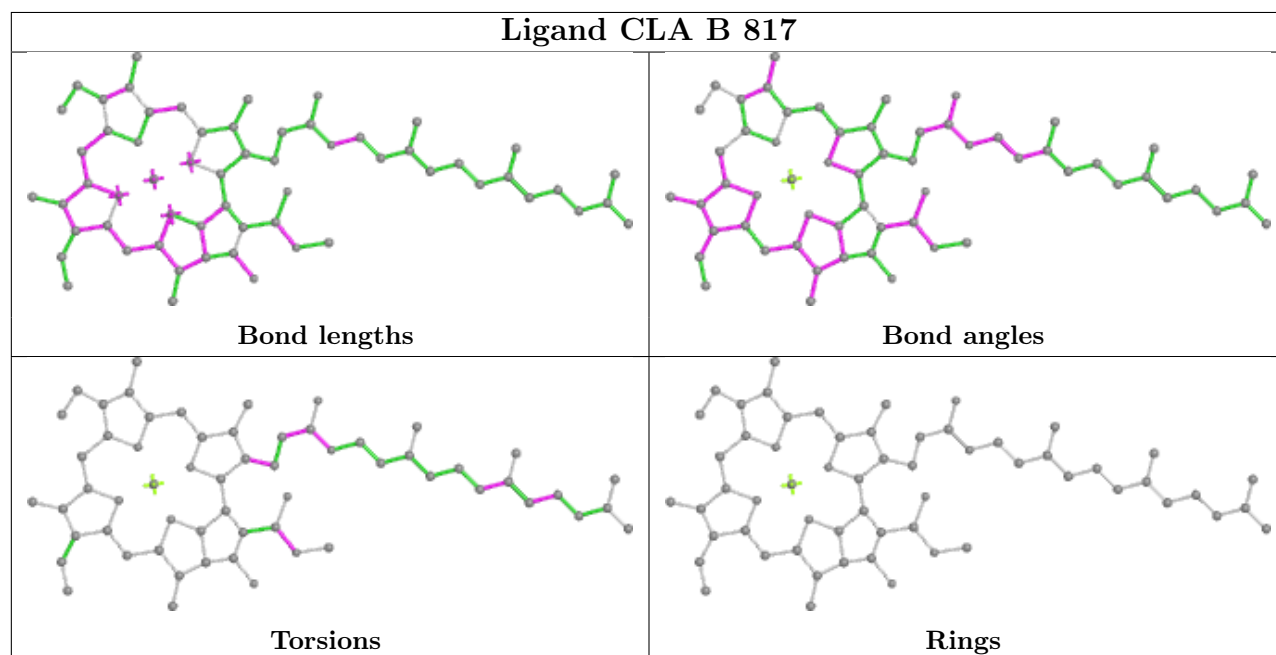
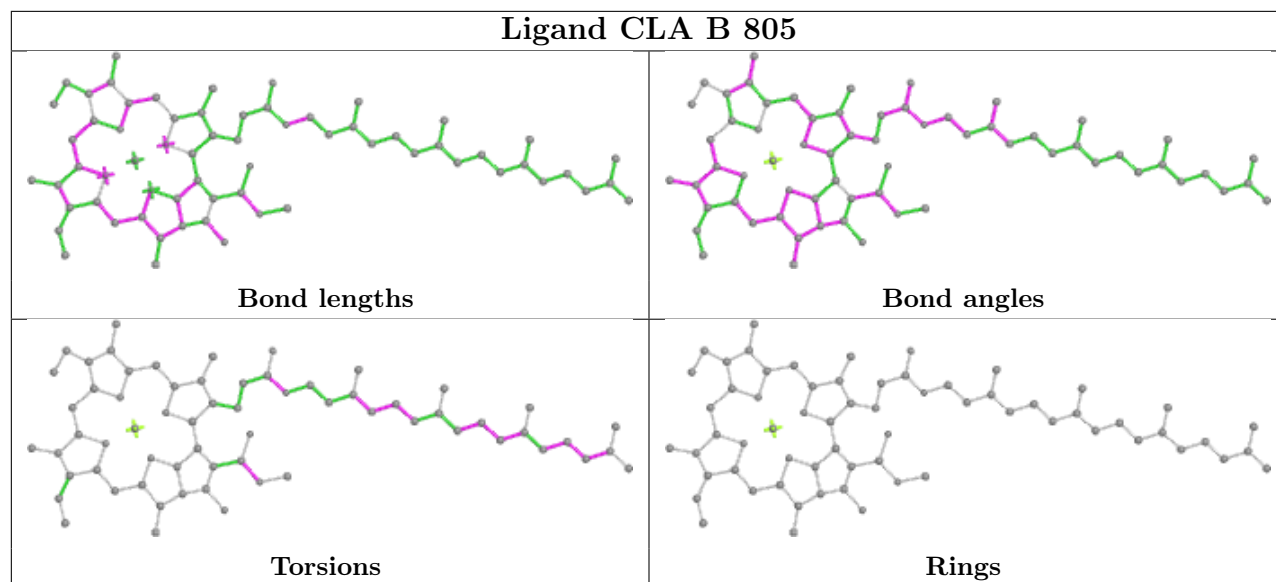


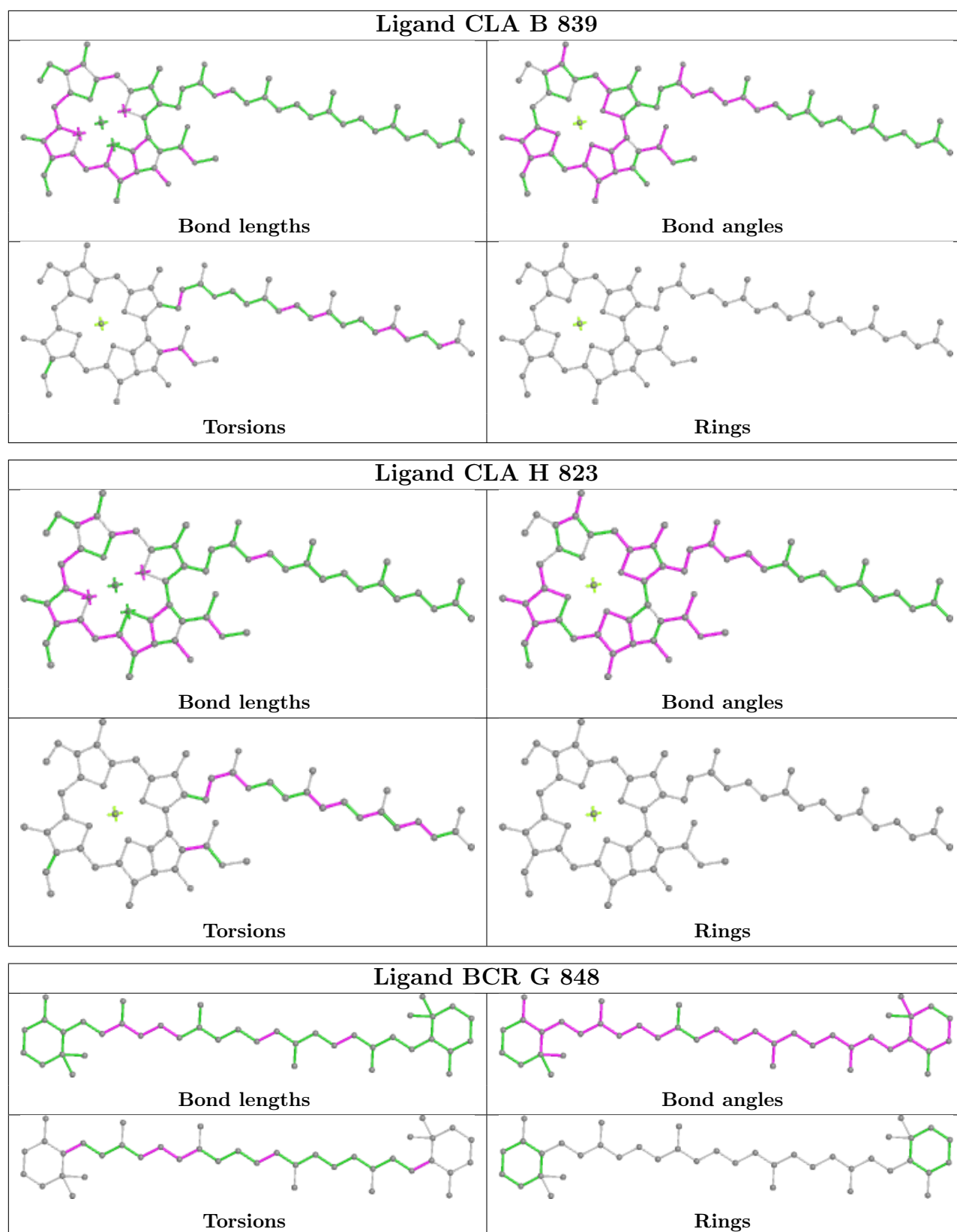


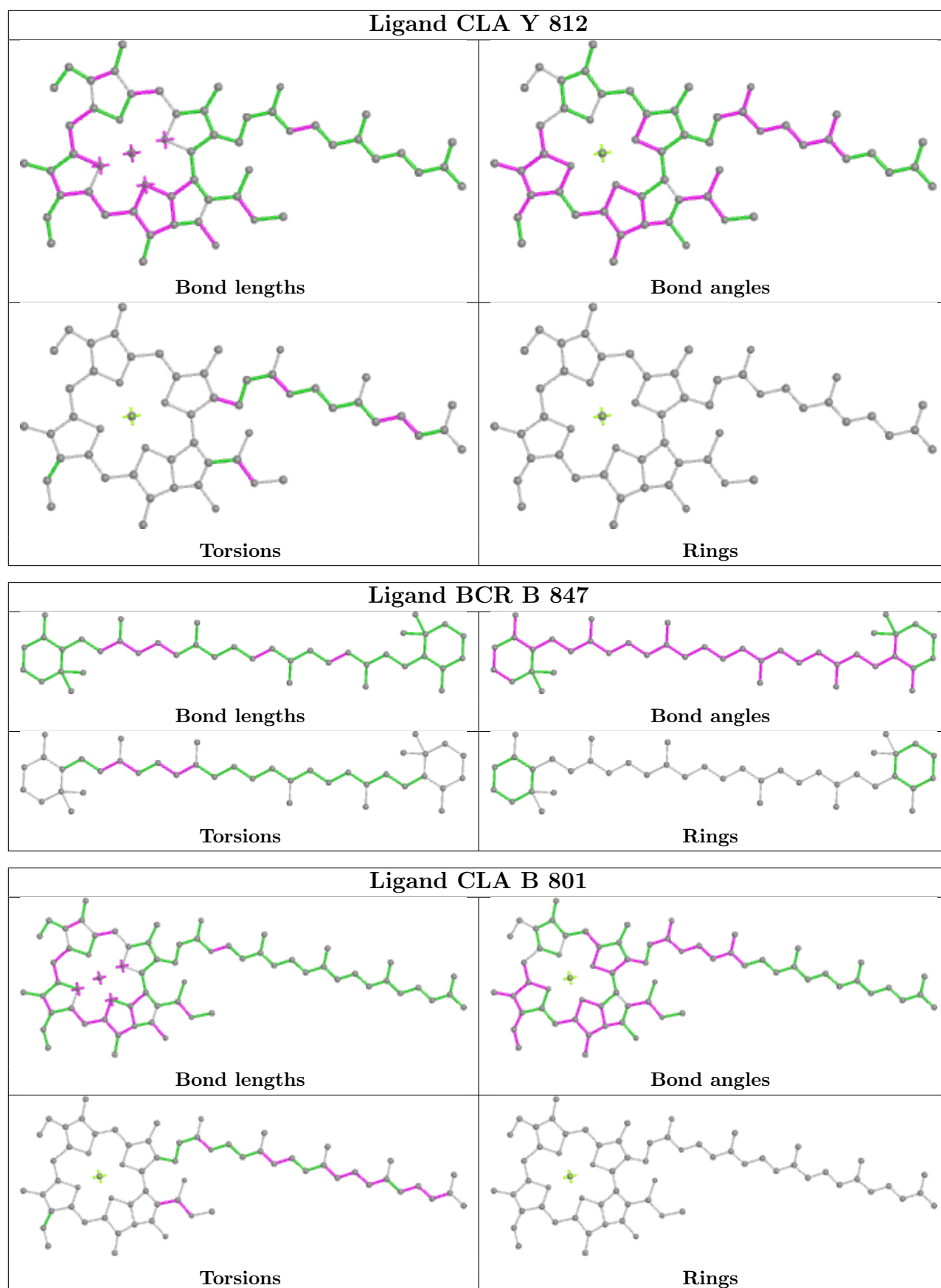




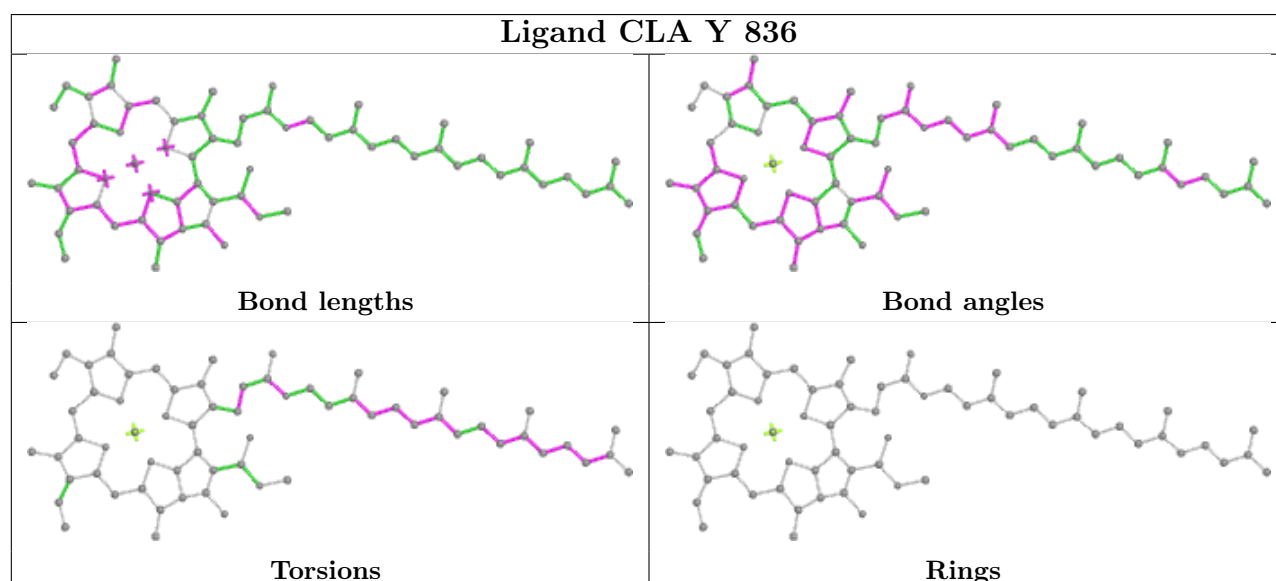
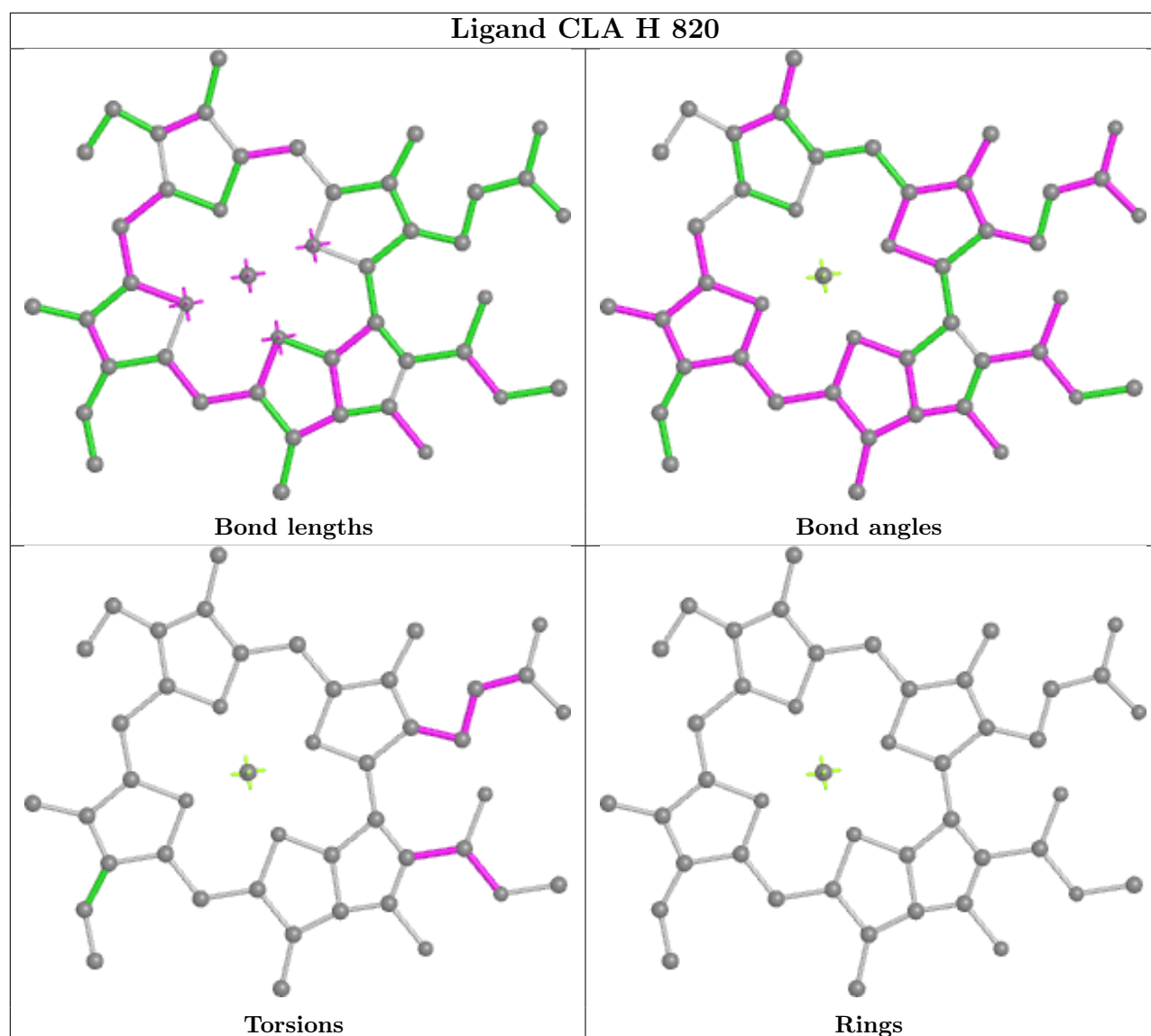


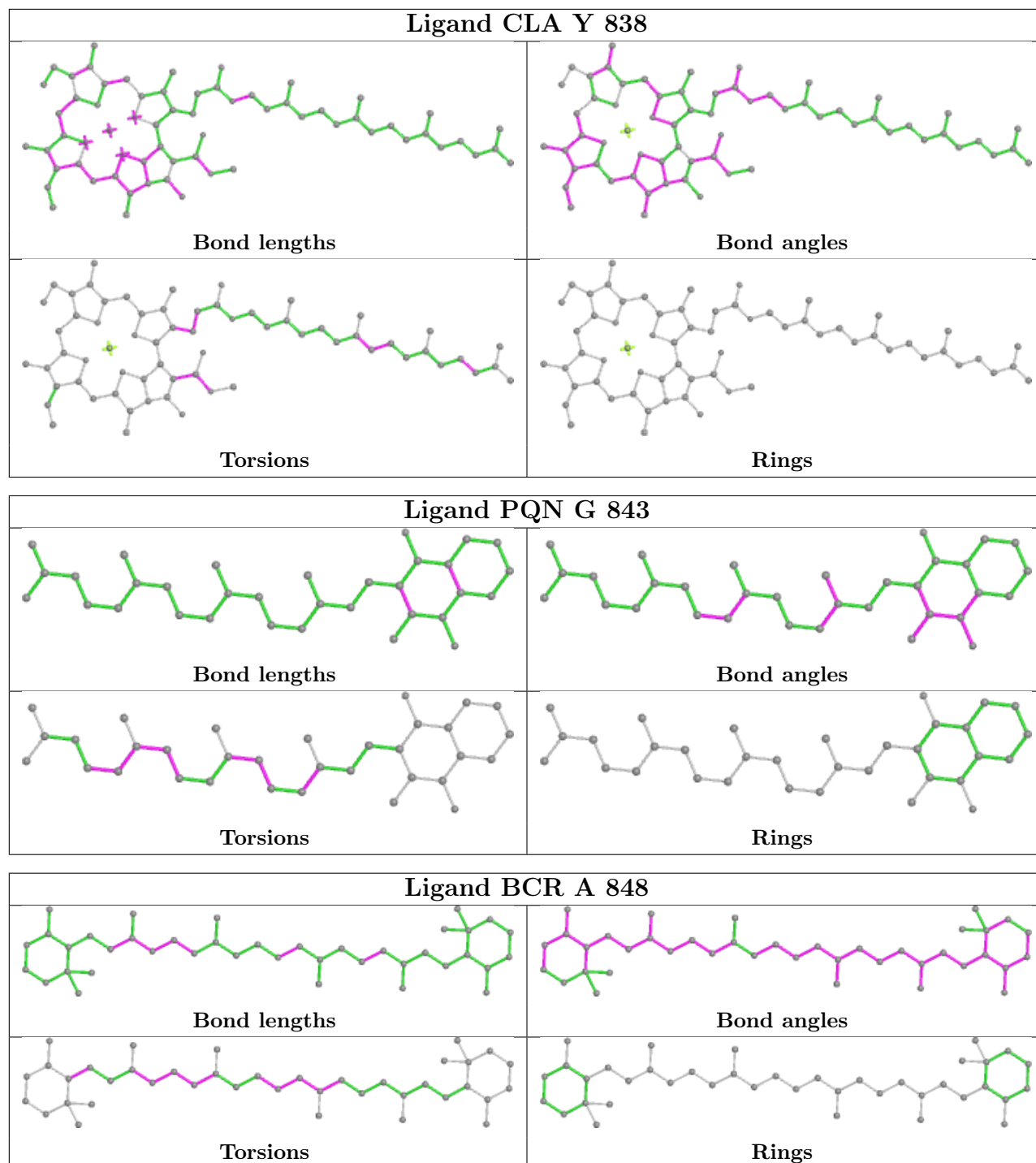


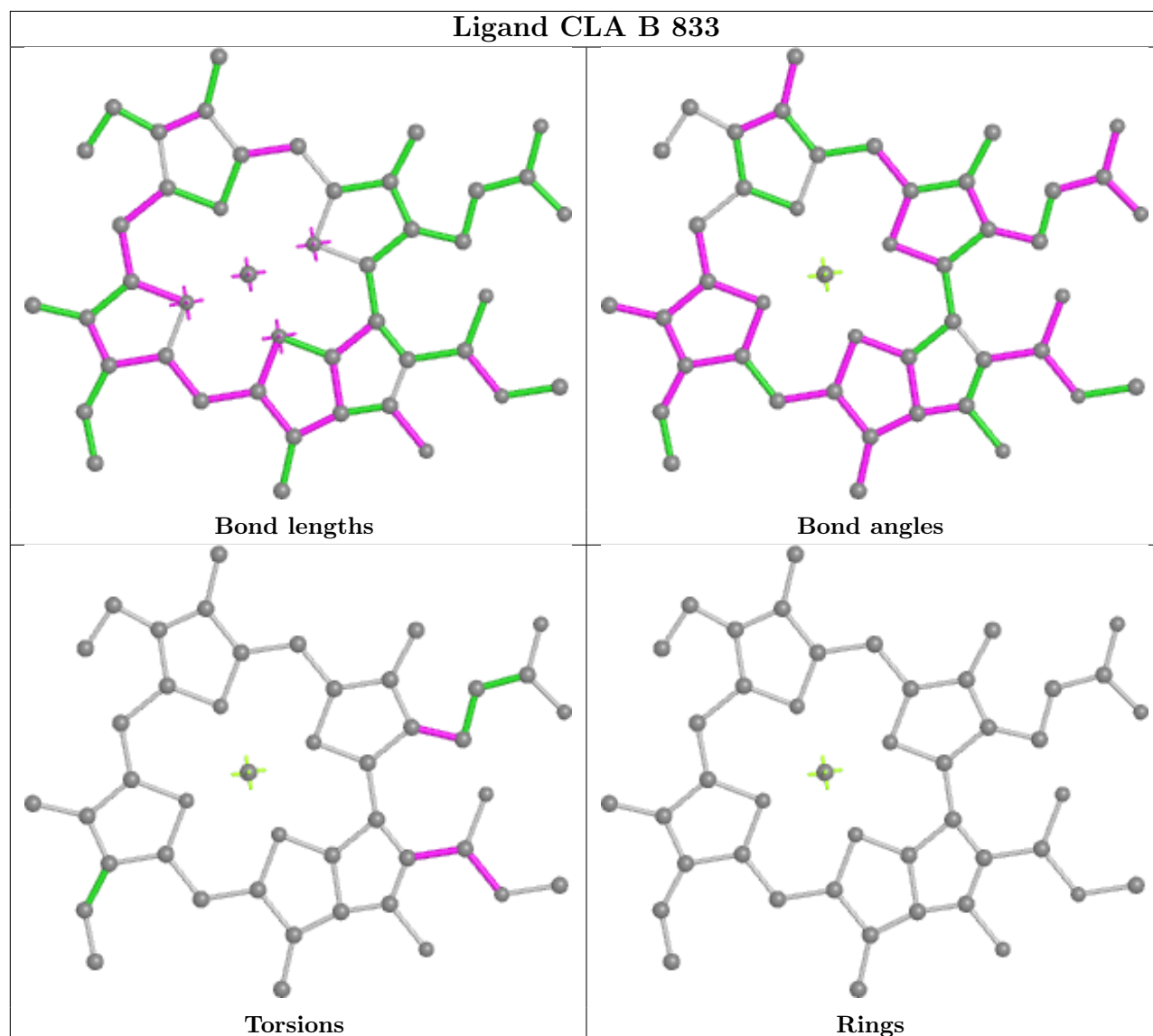
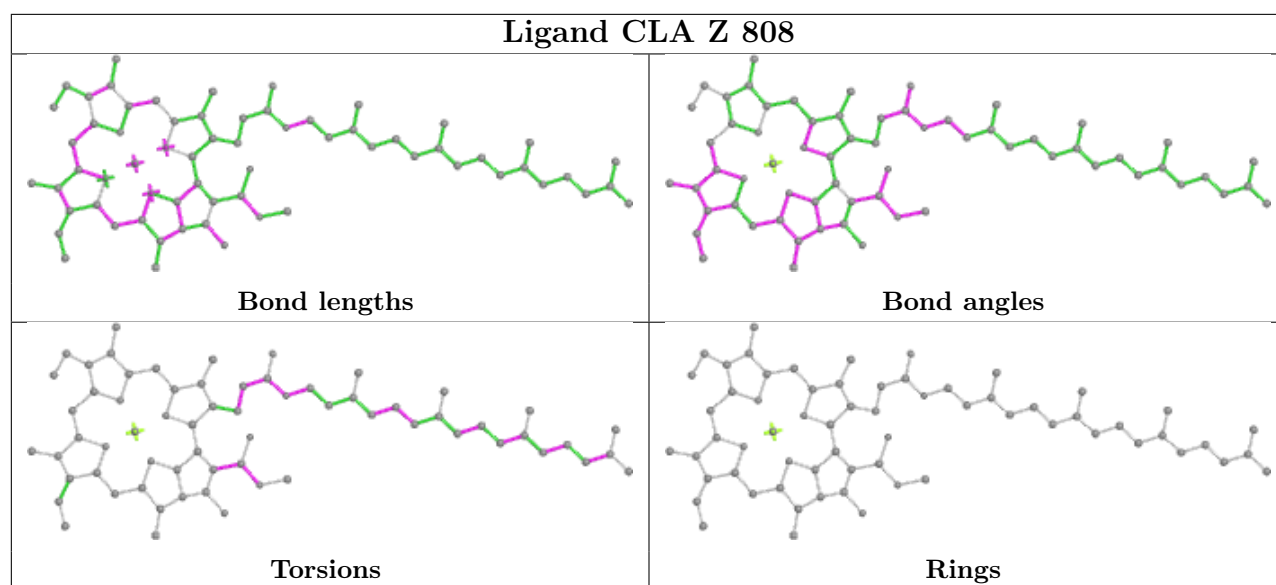


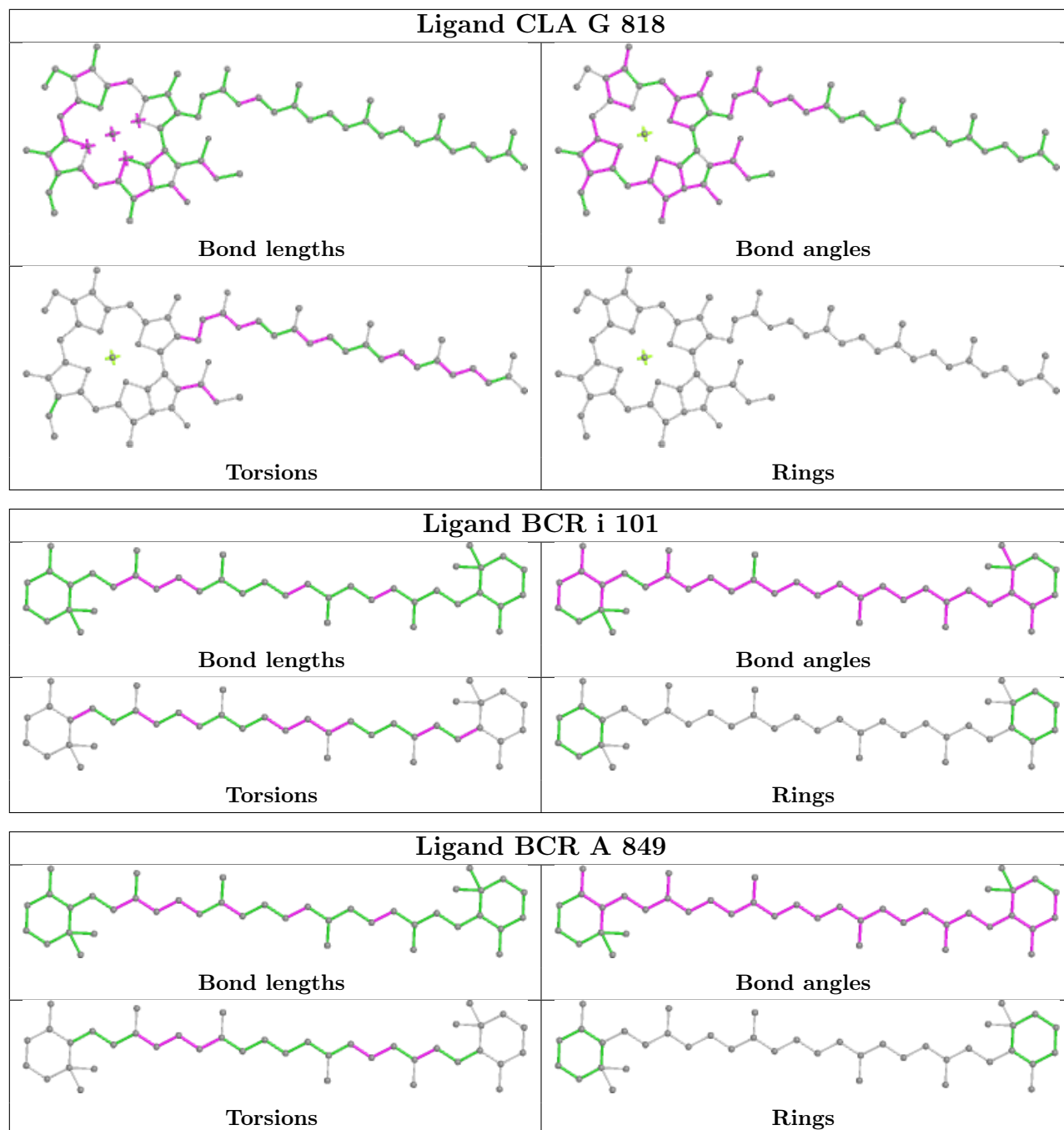


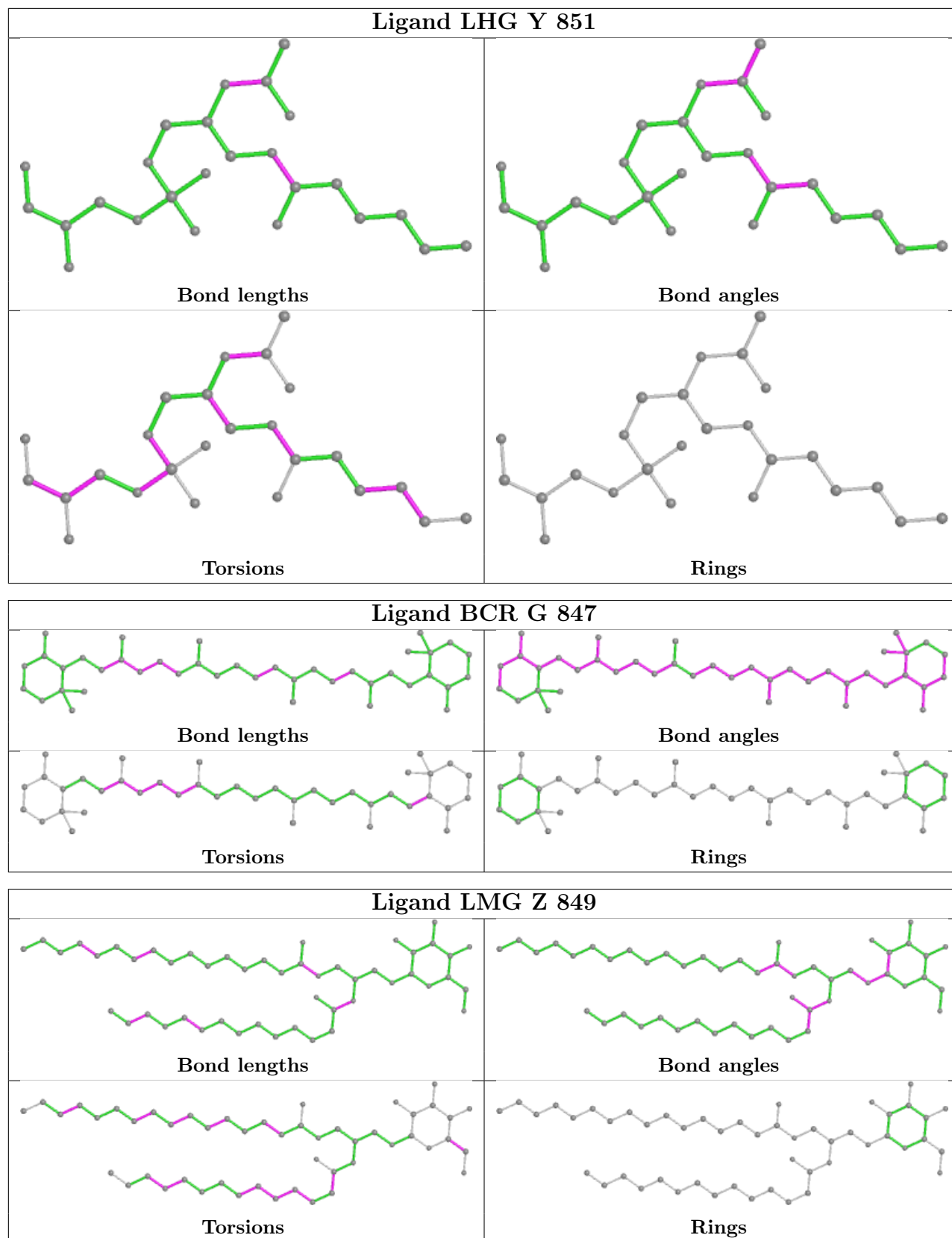


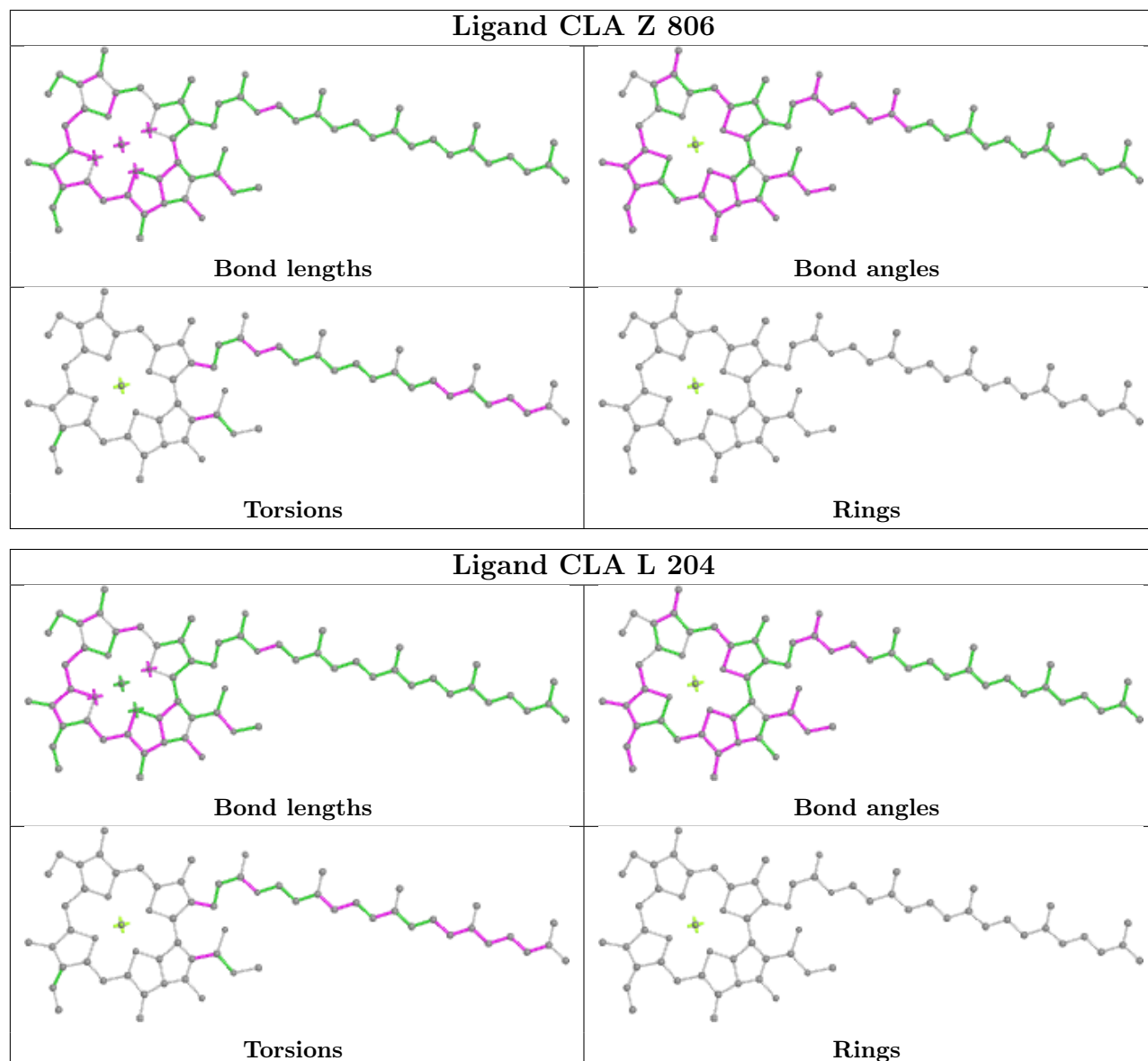


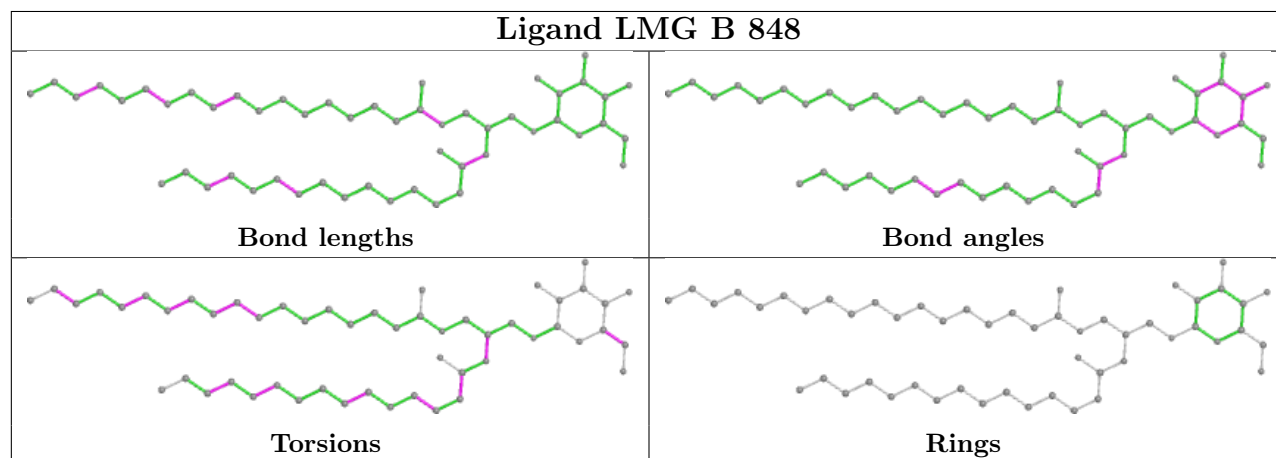
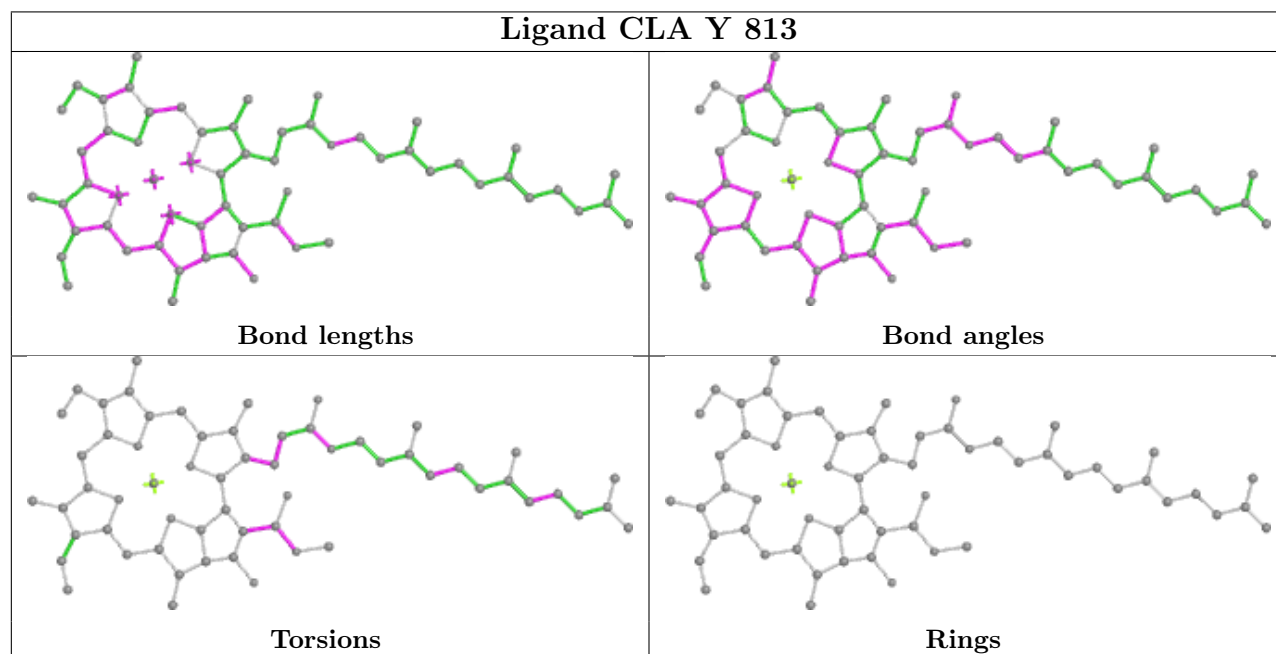
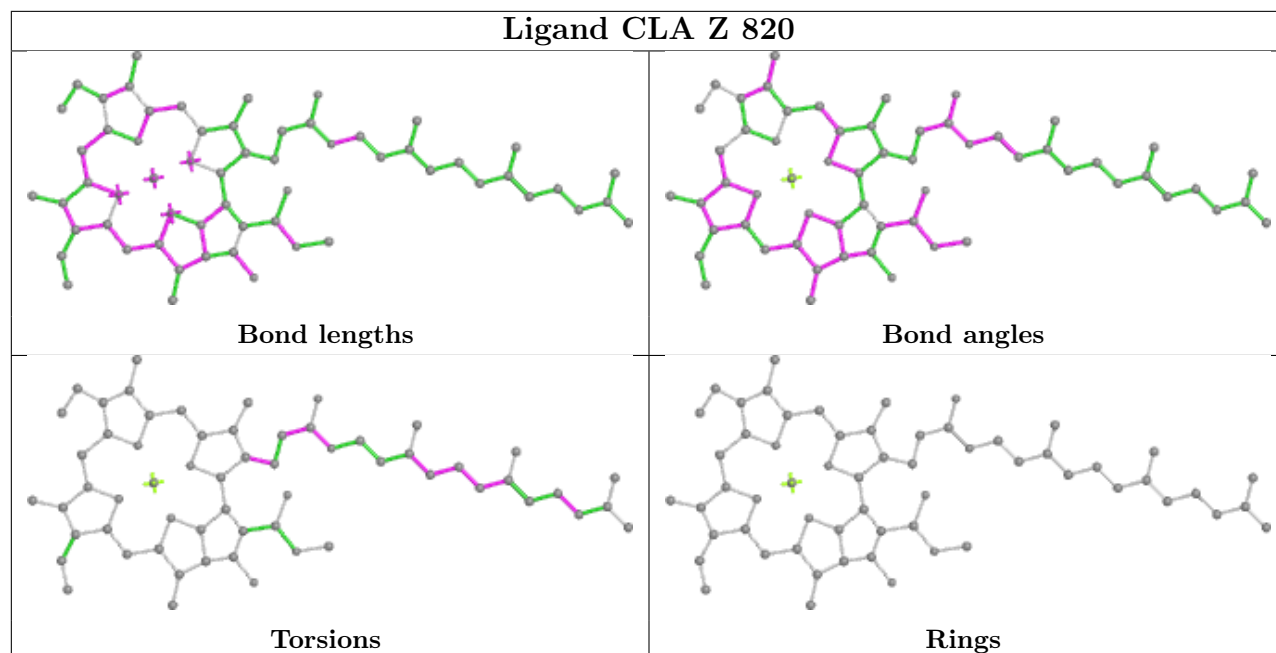


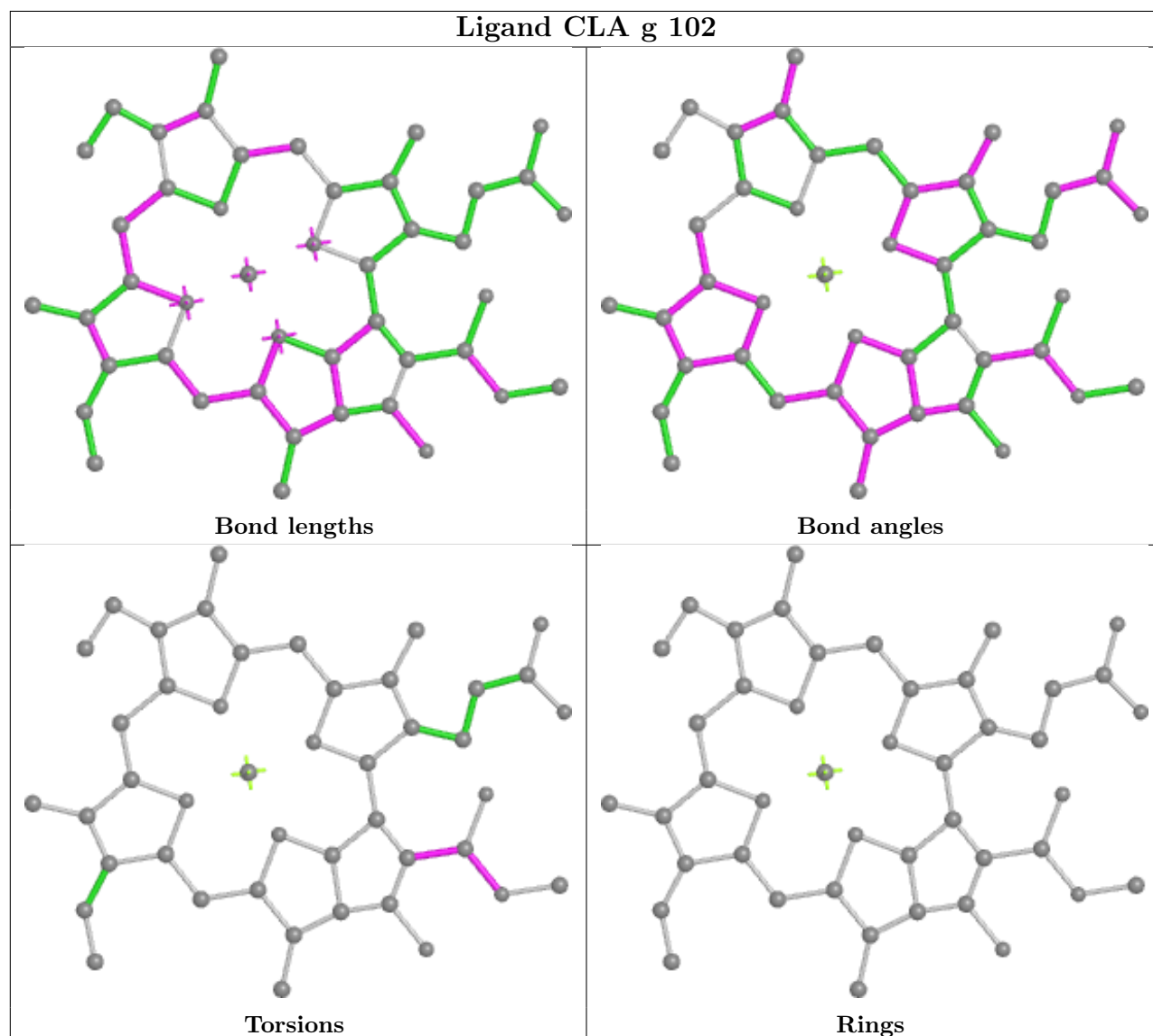
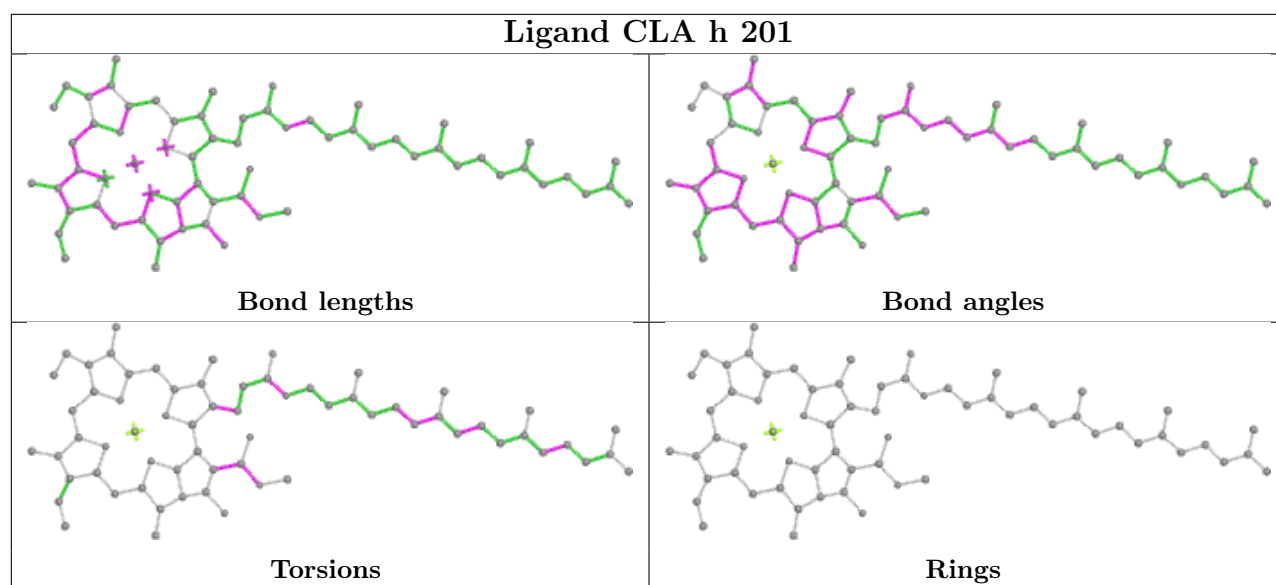




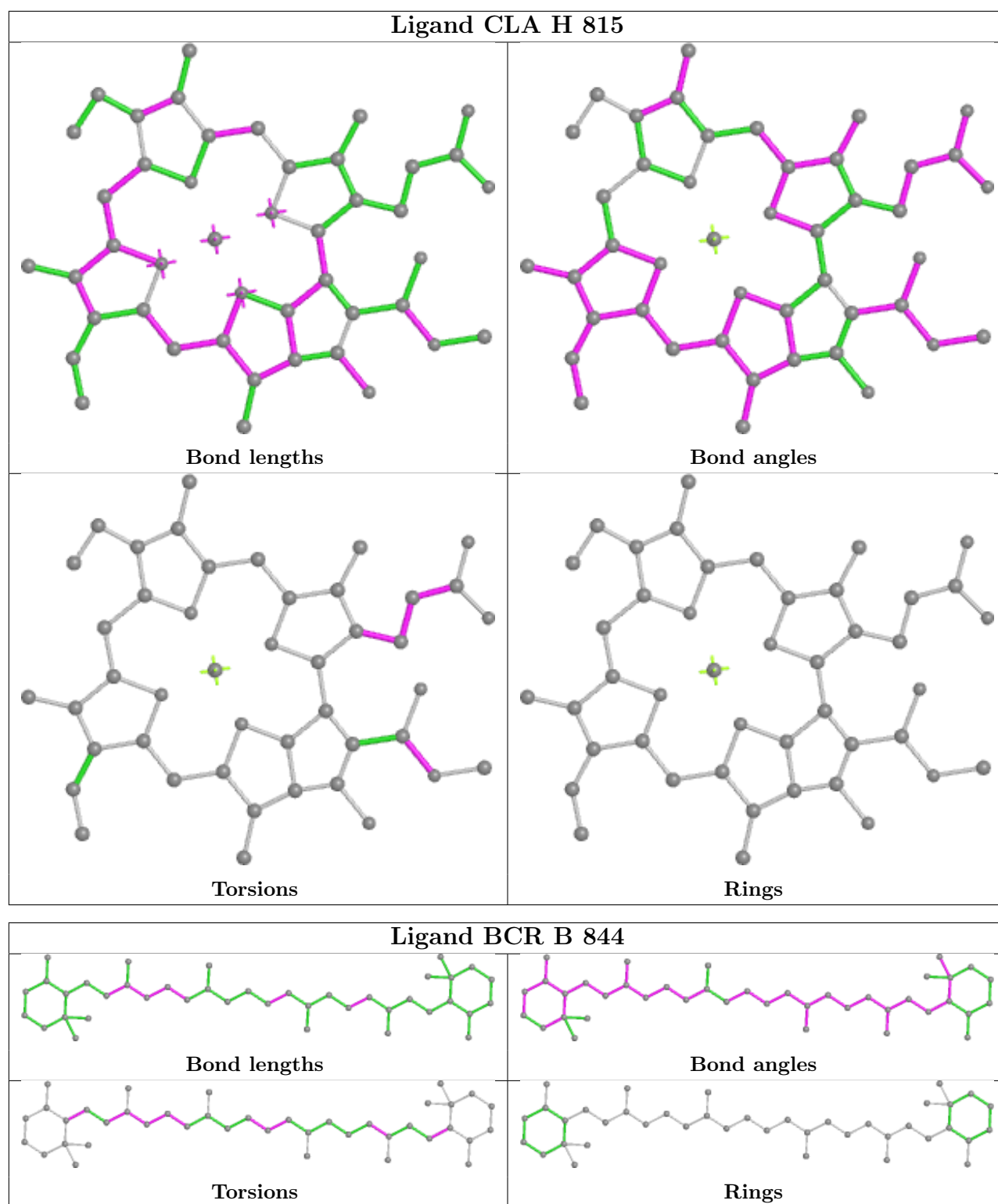


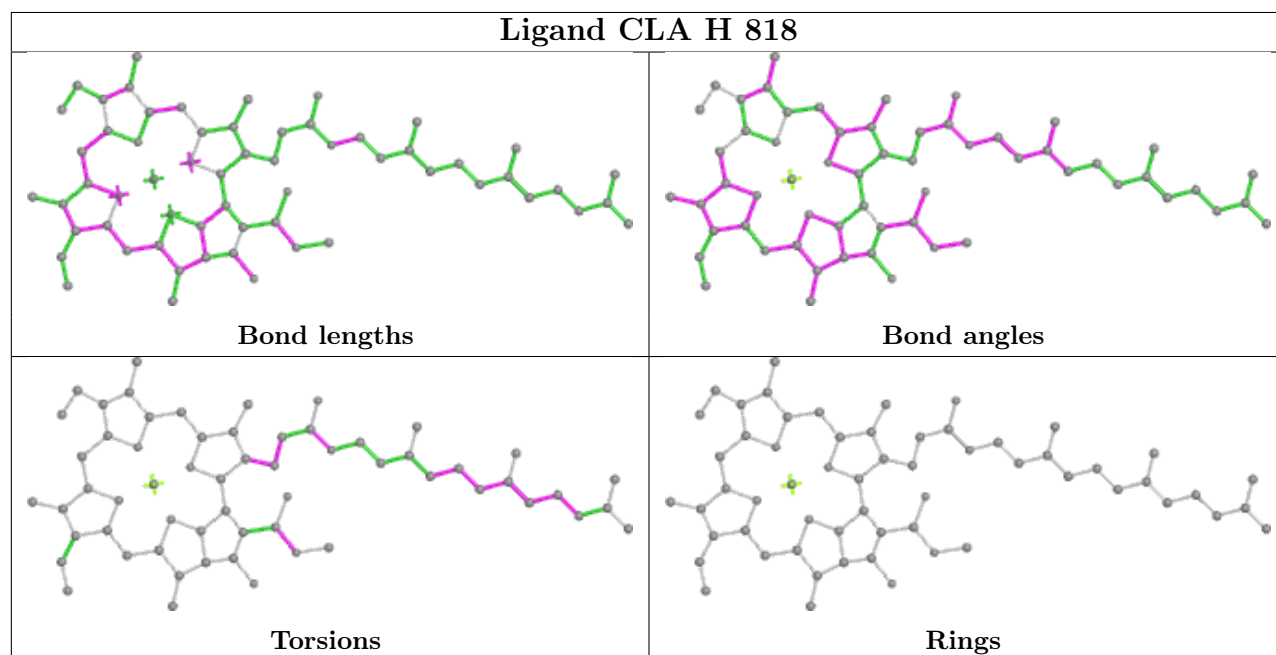
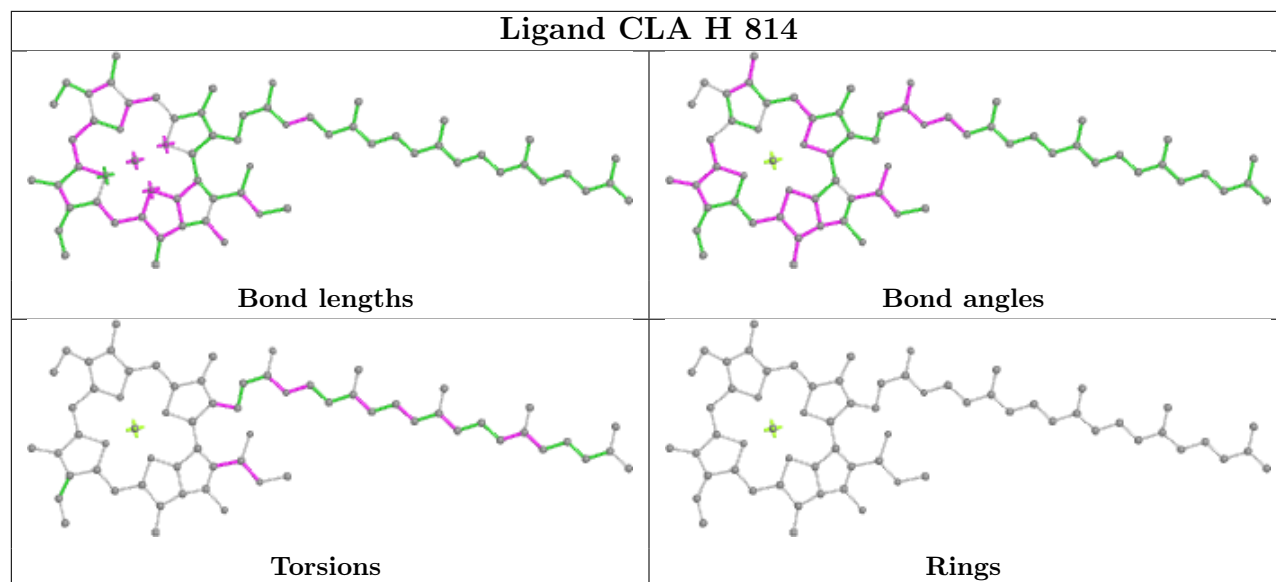


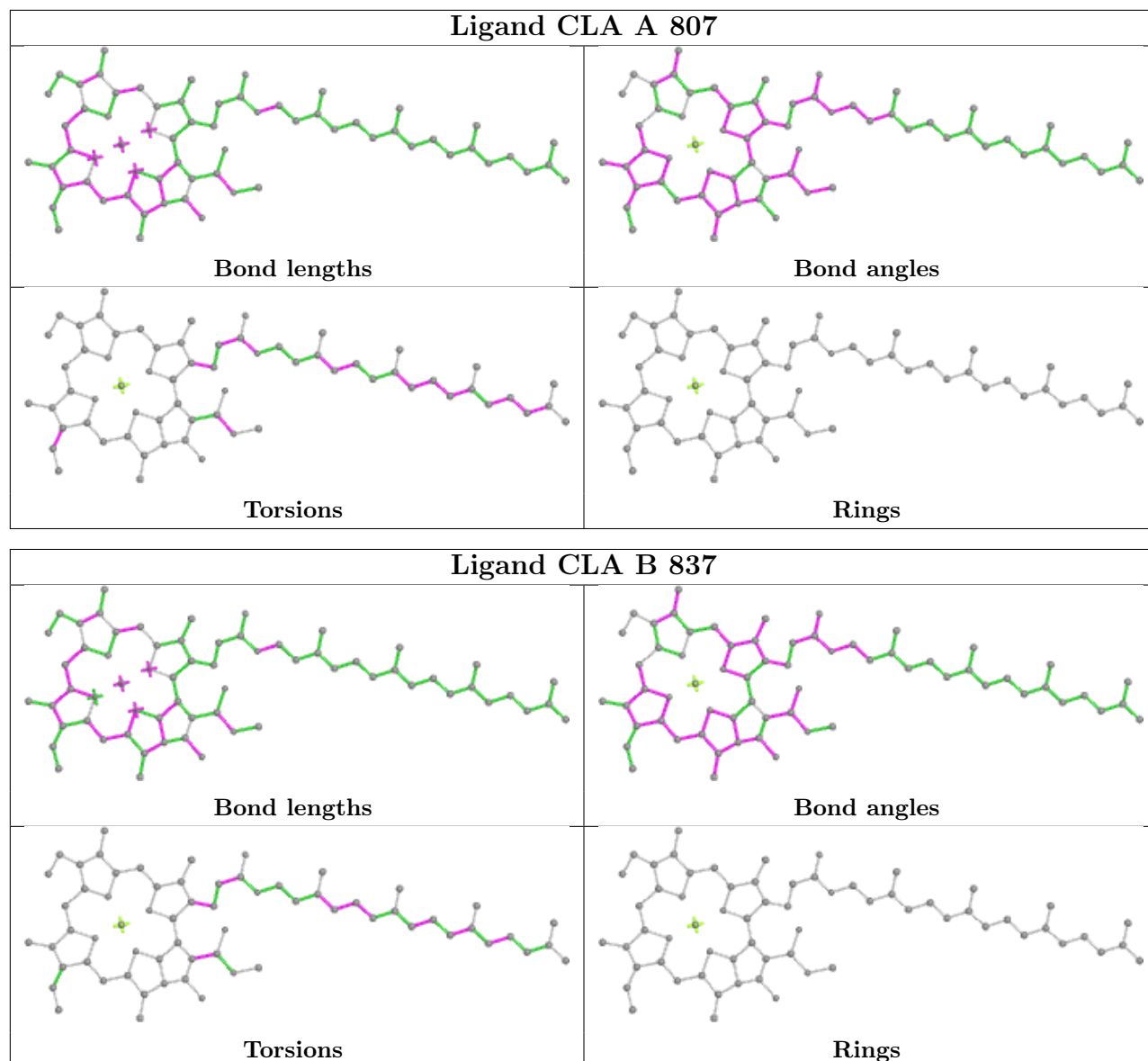


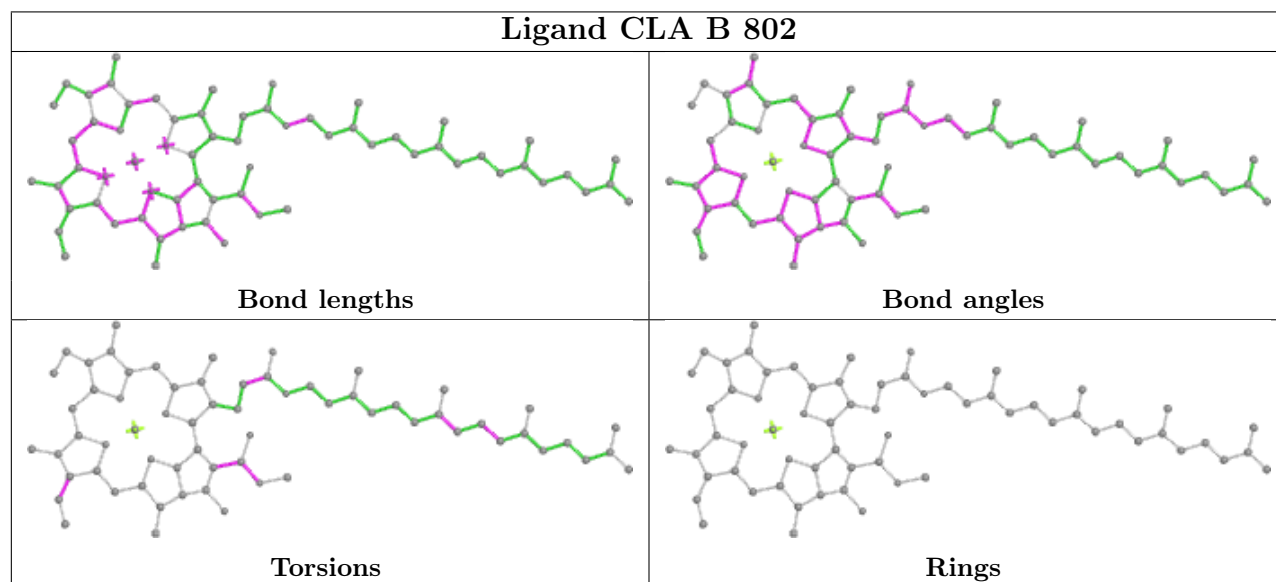
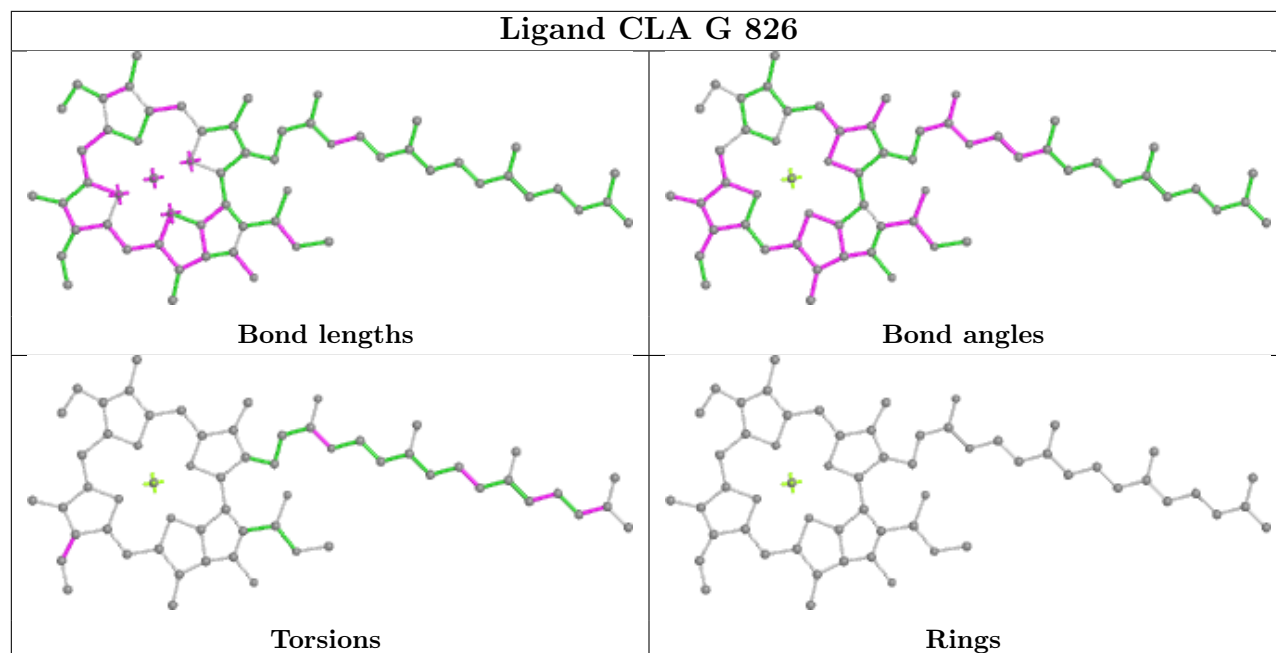


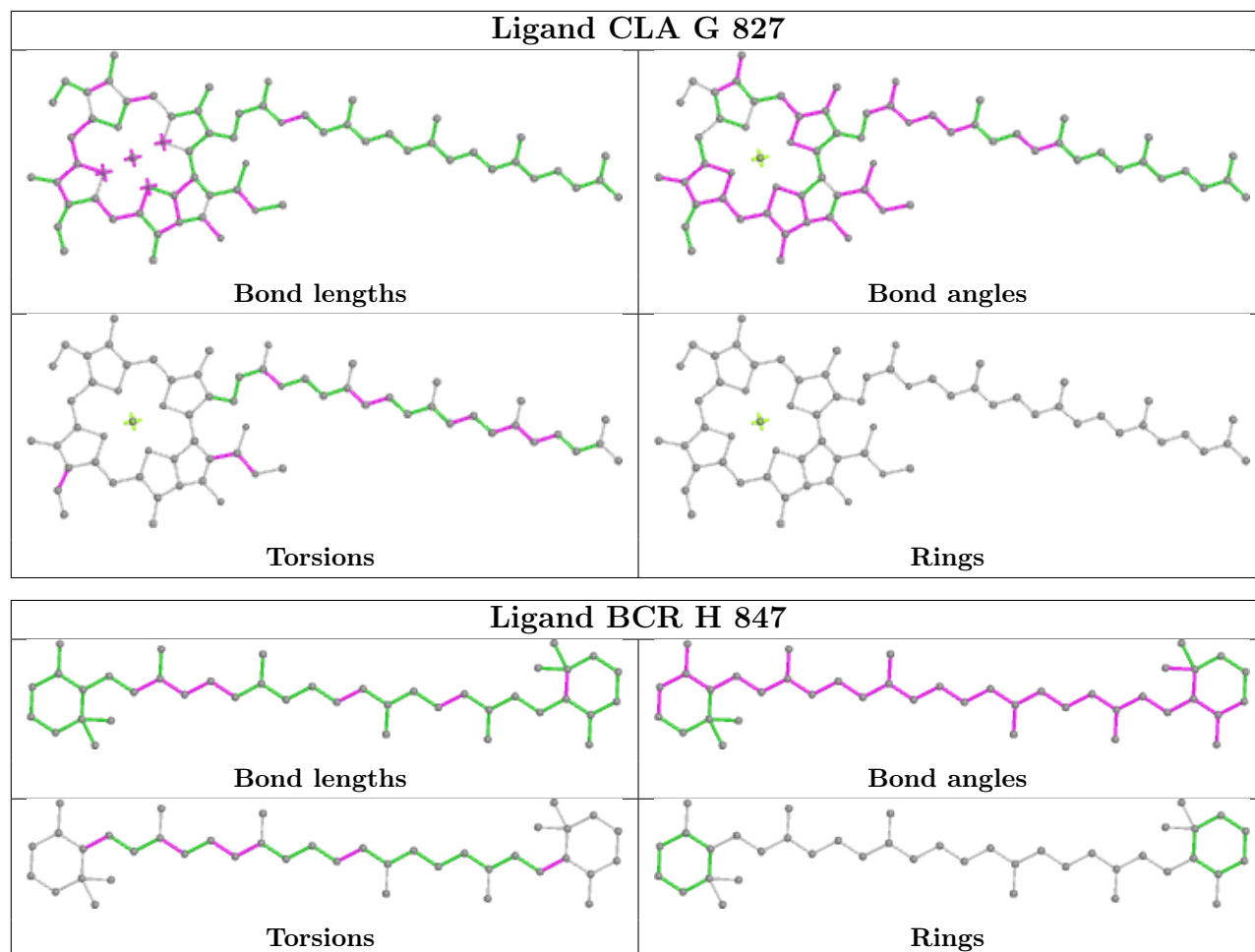


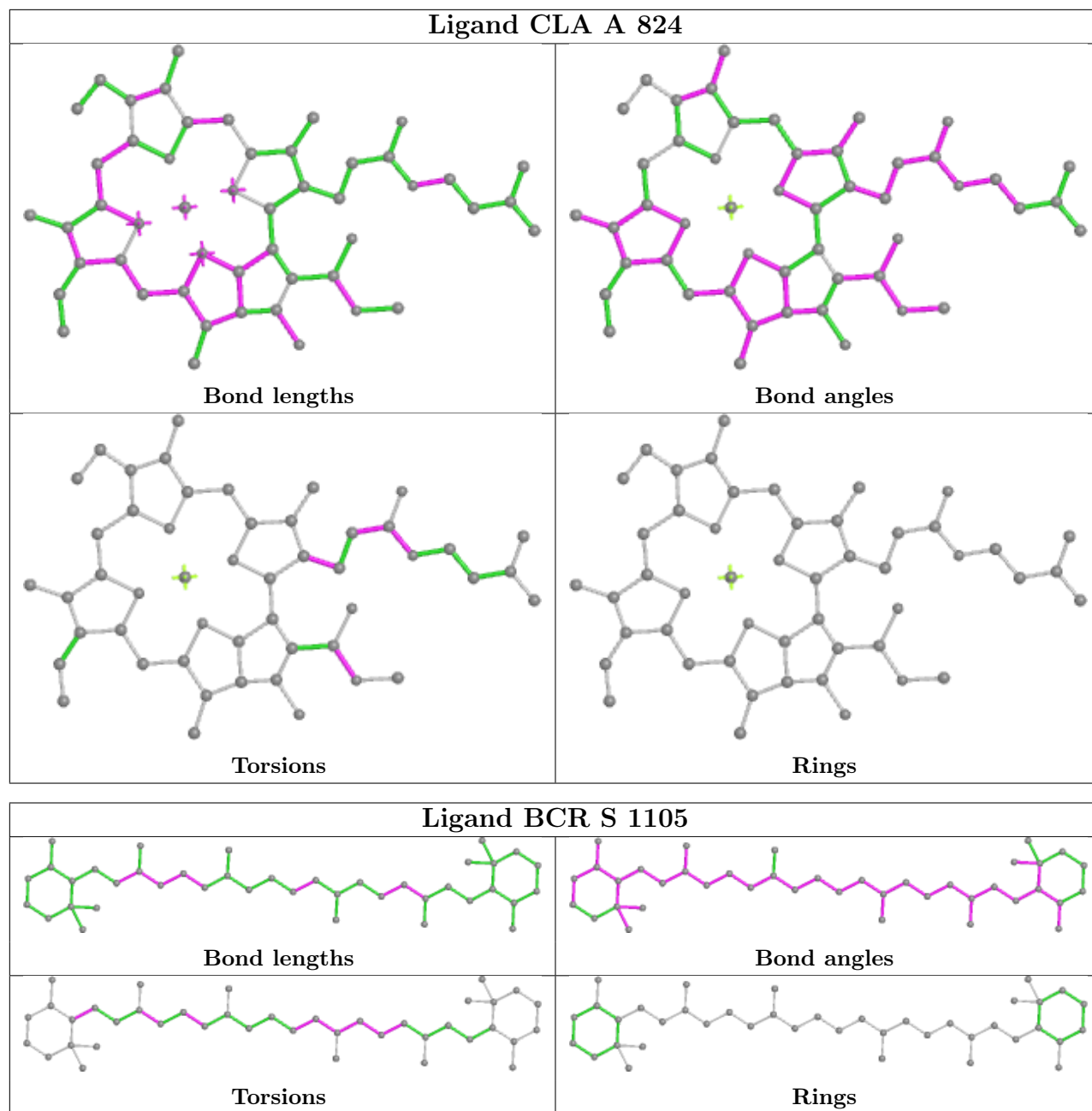


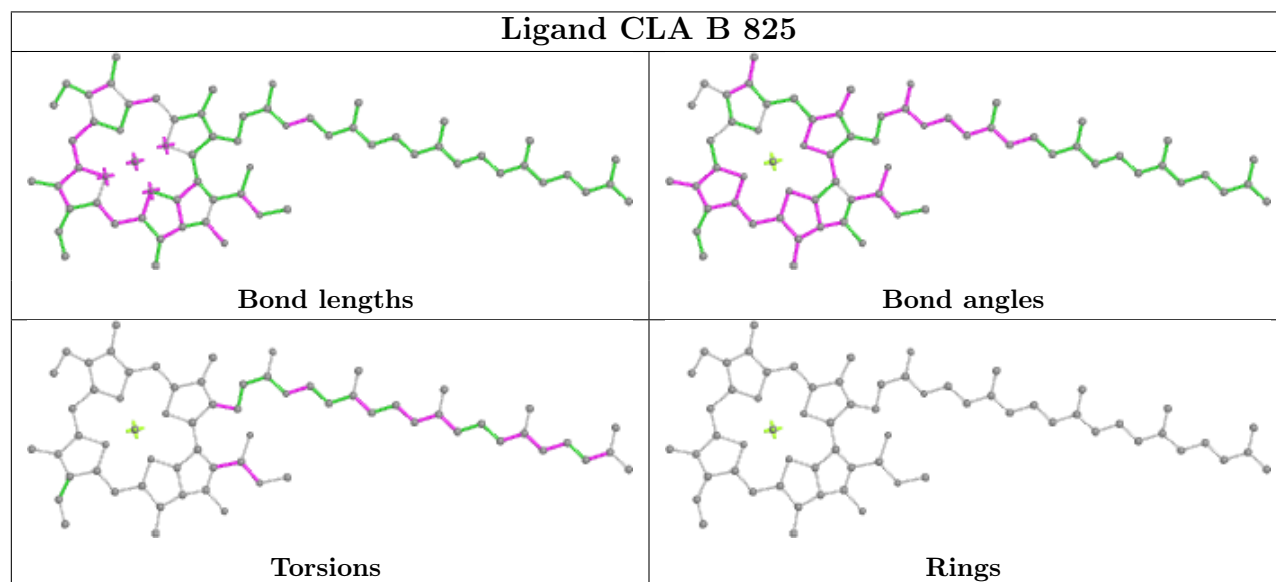
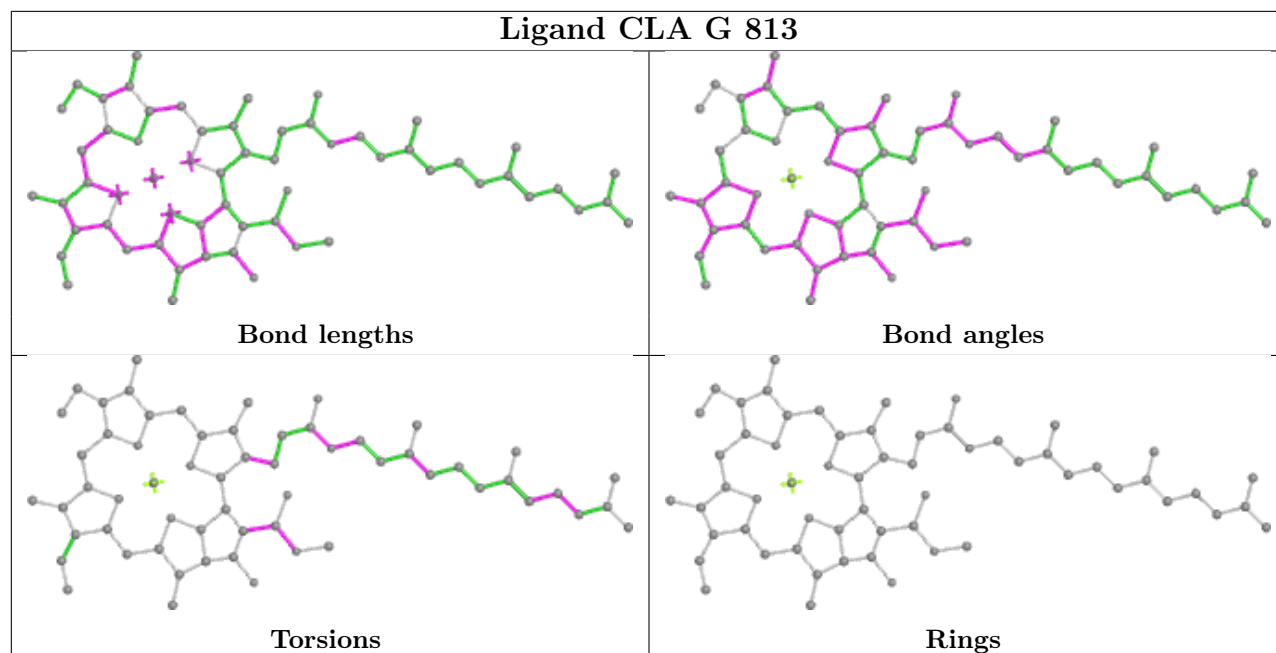


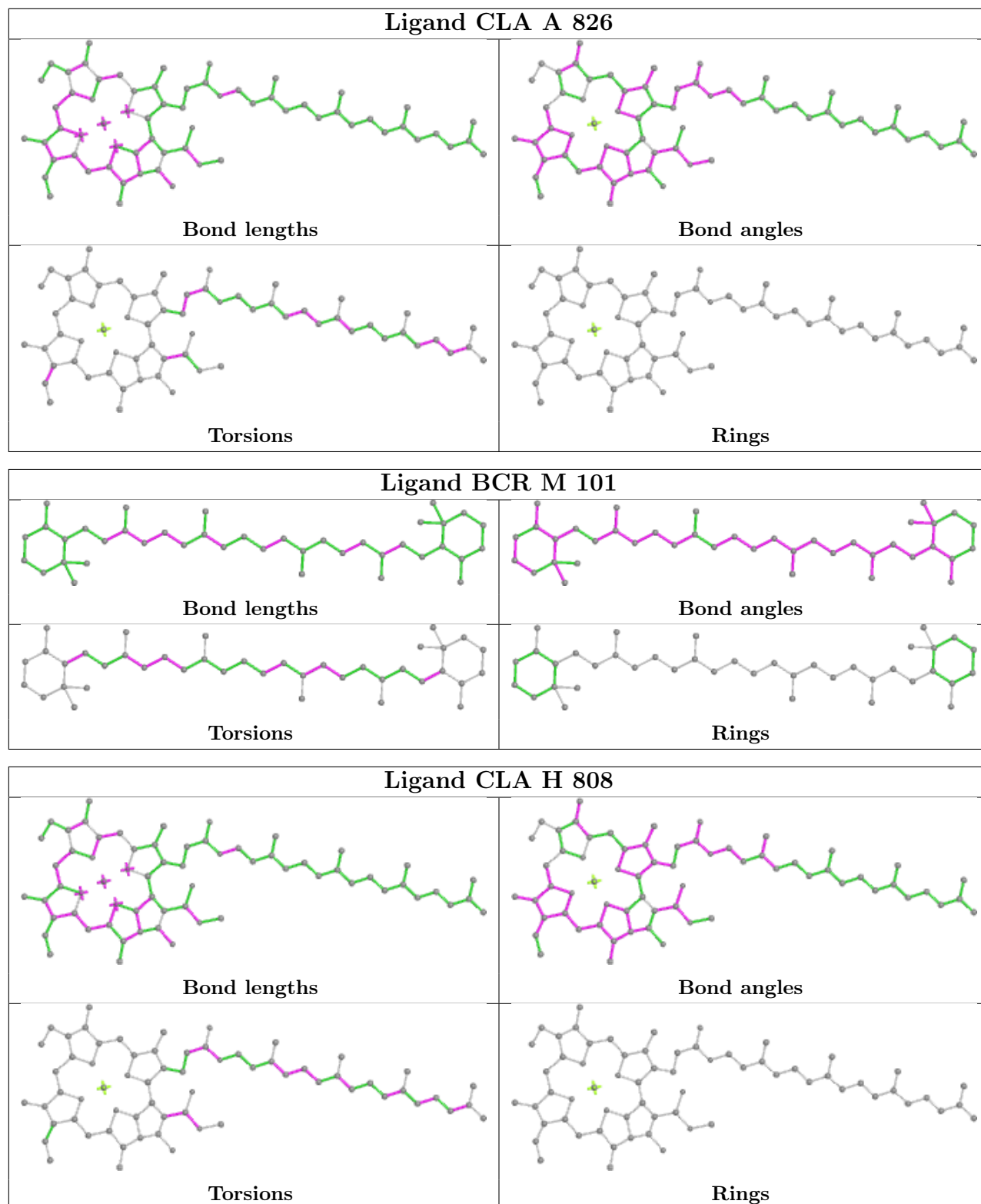




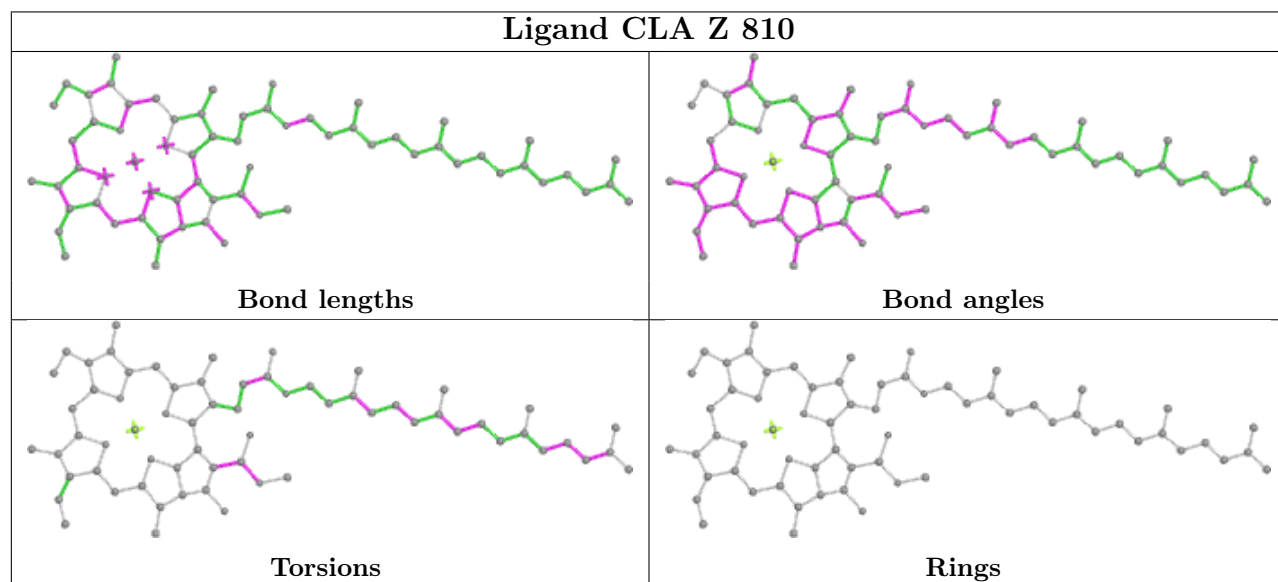
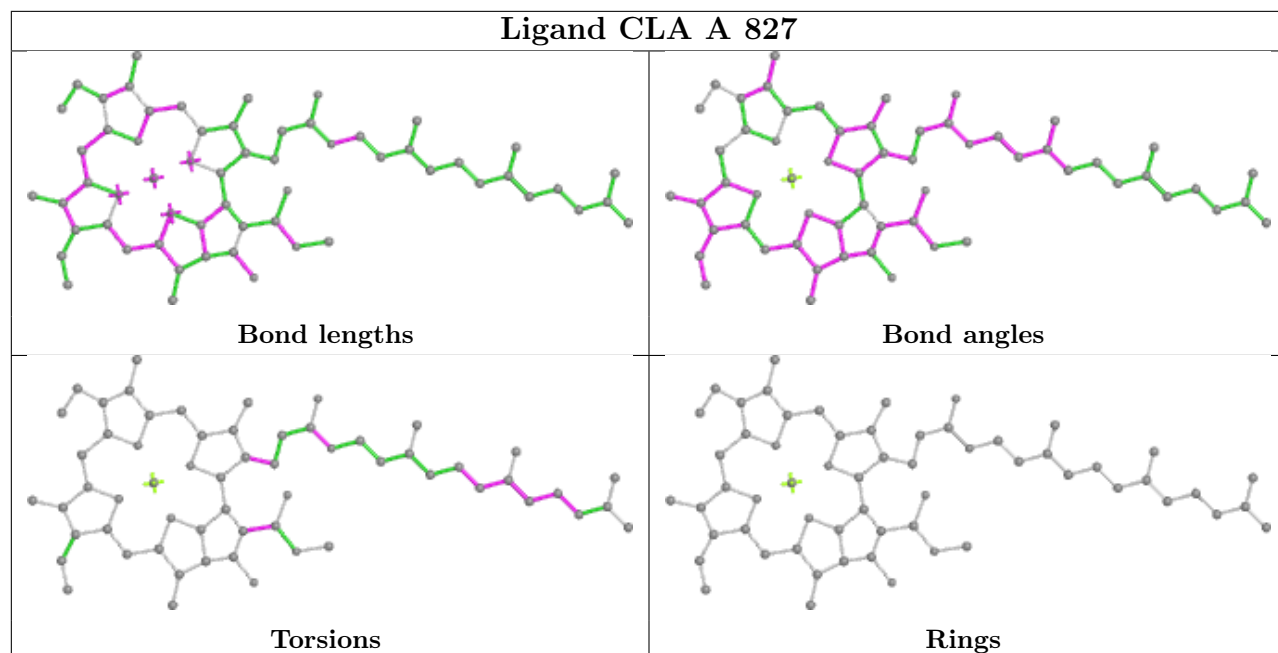


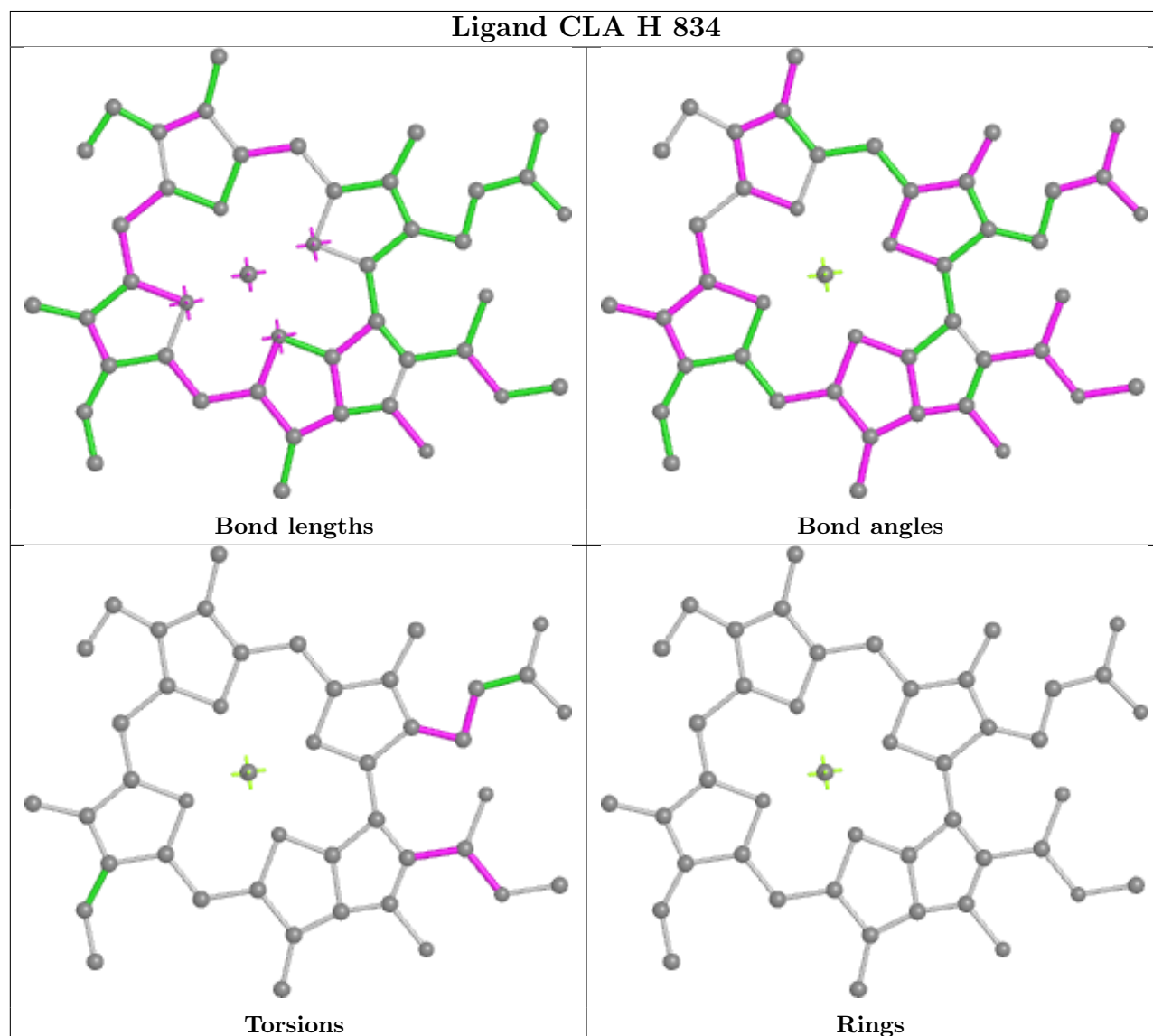
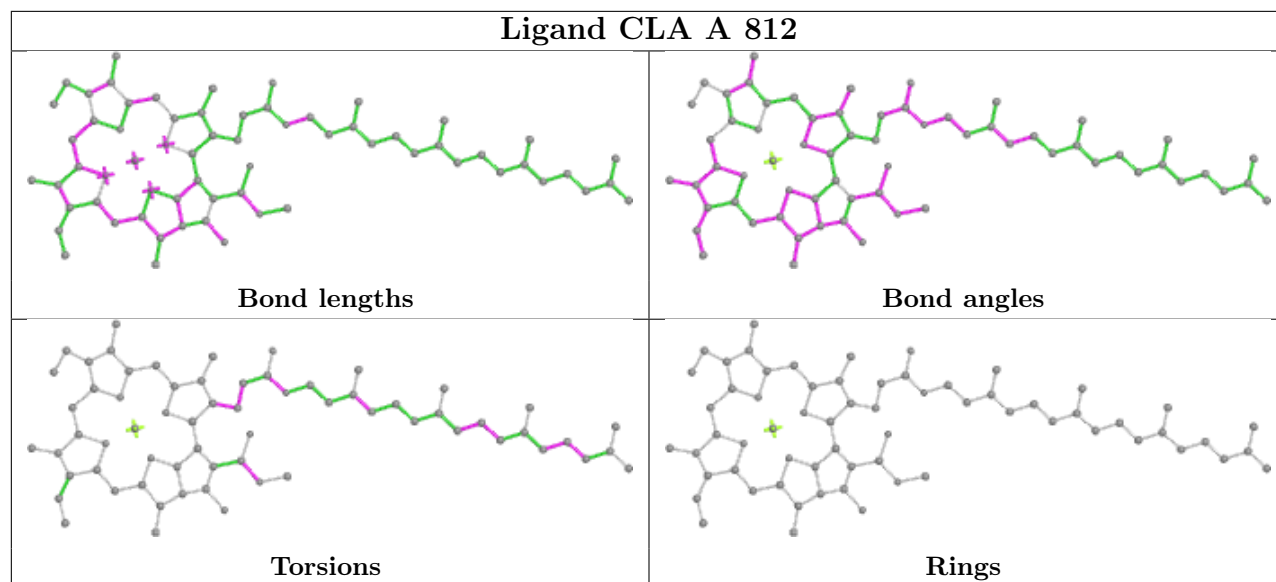




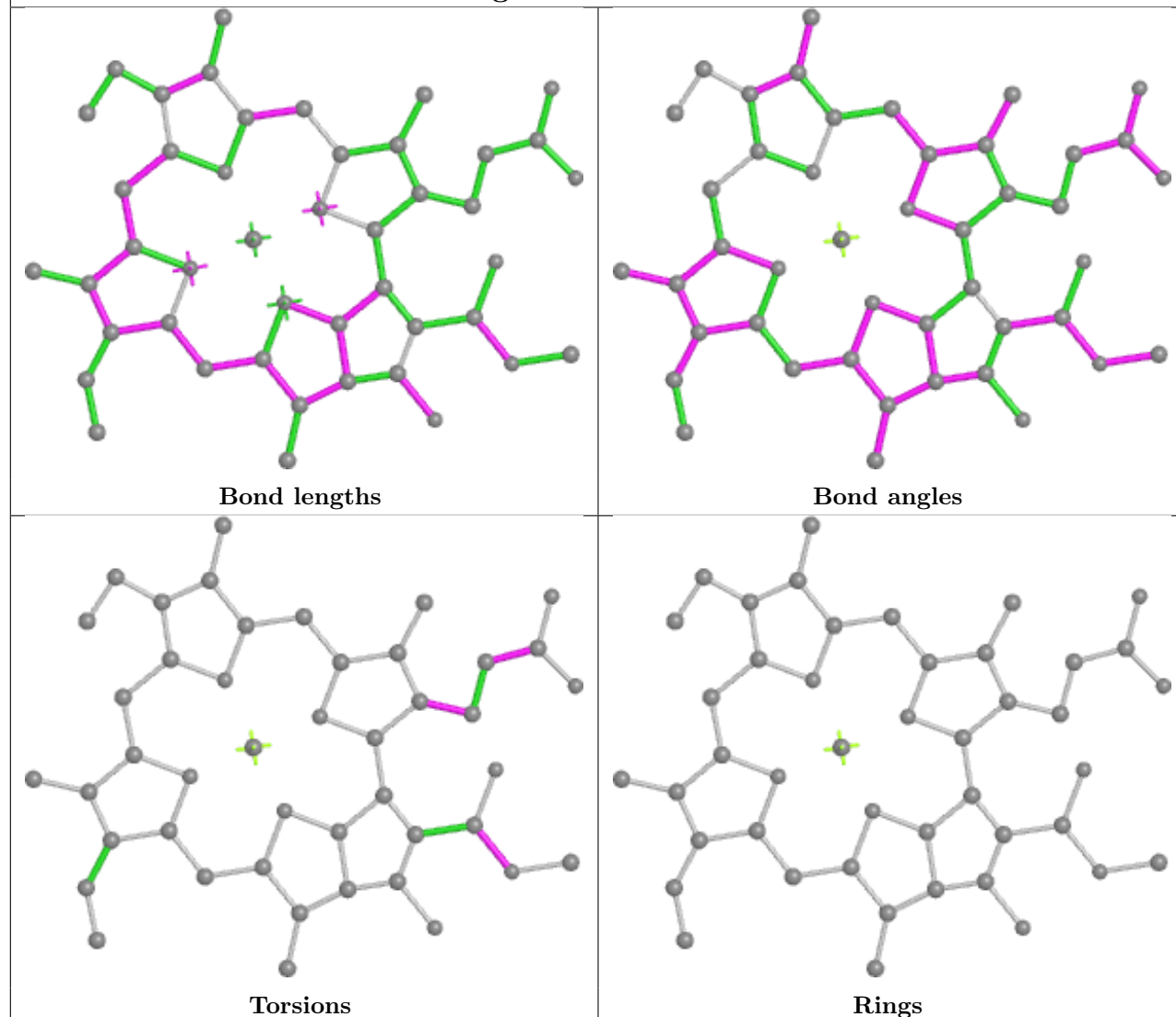




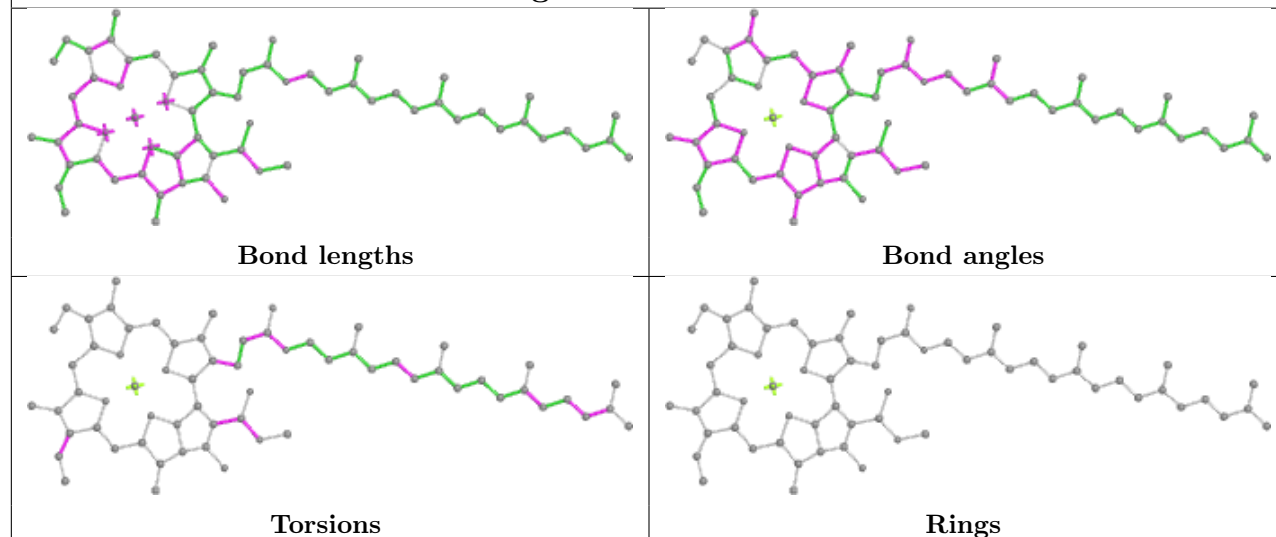


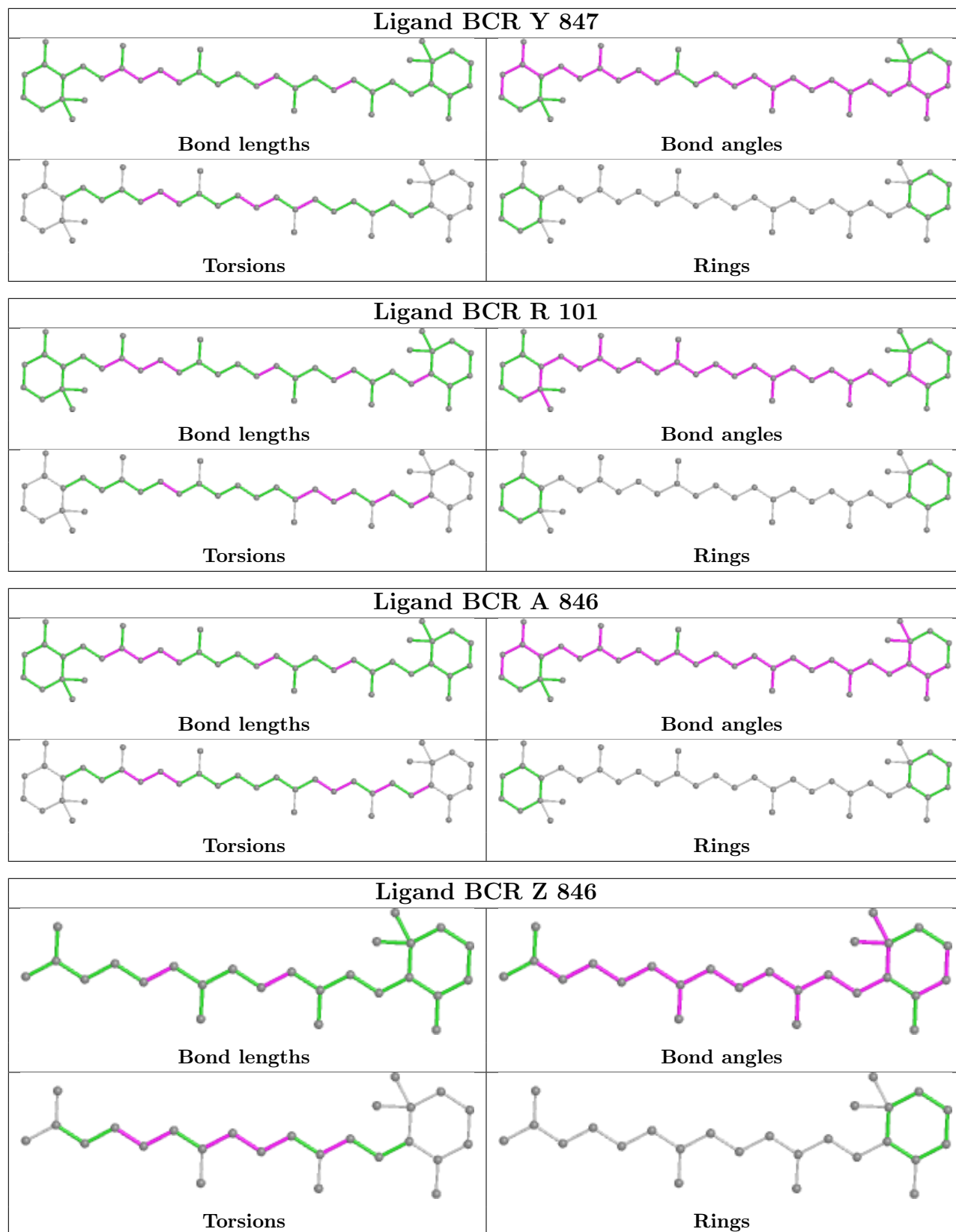


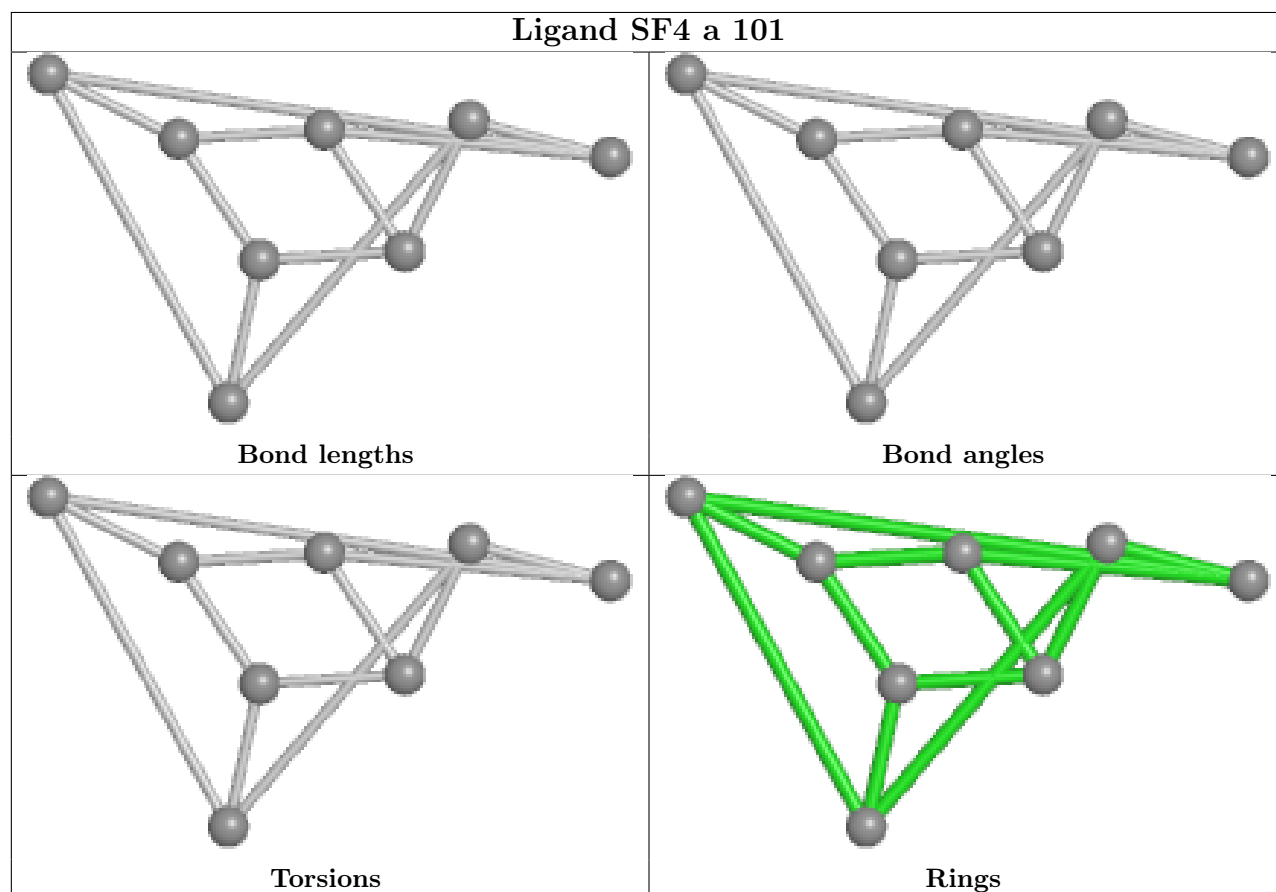
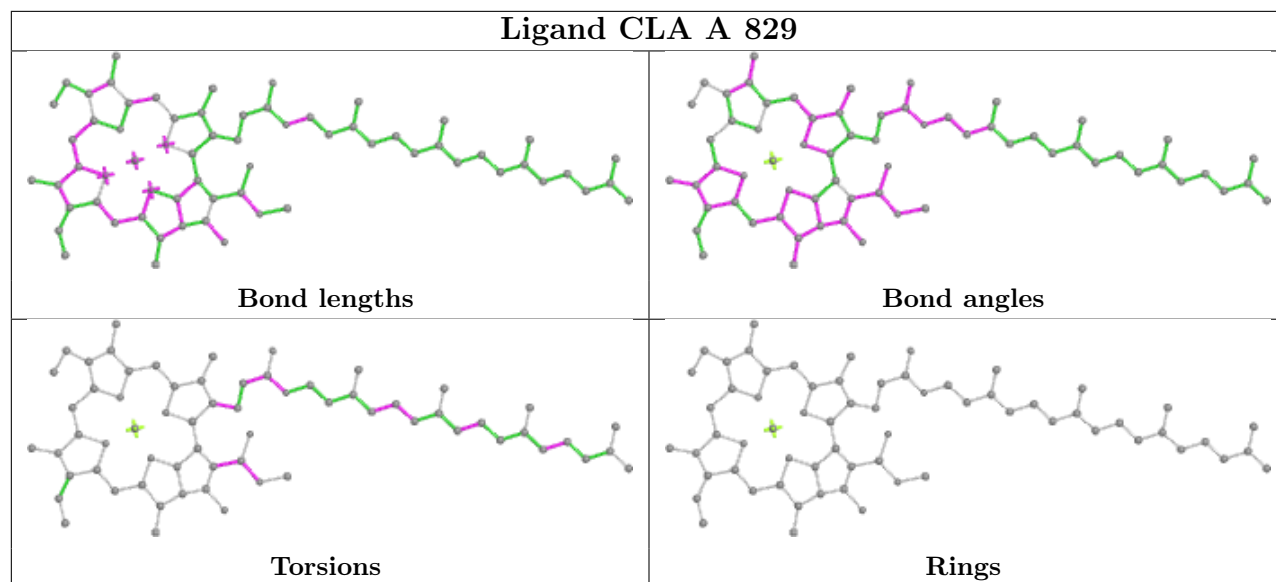
## Ligand CLA Z 835

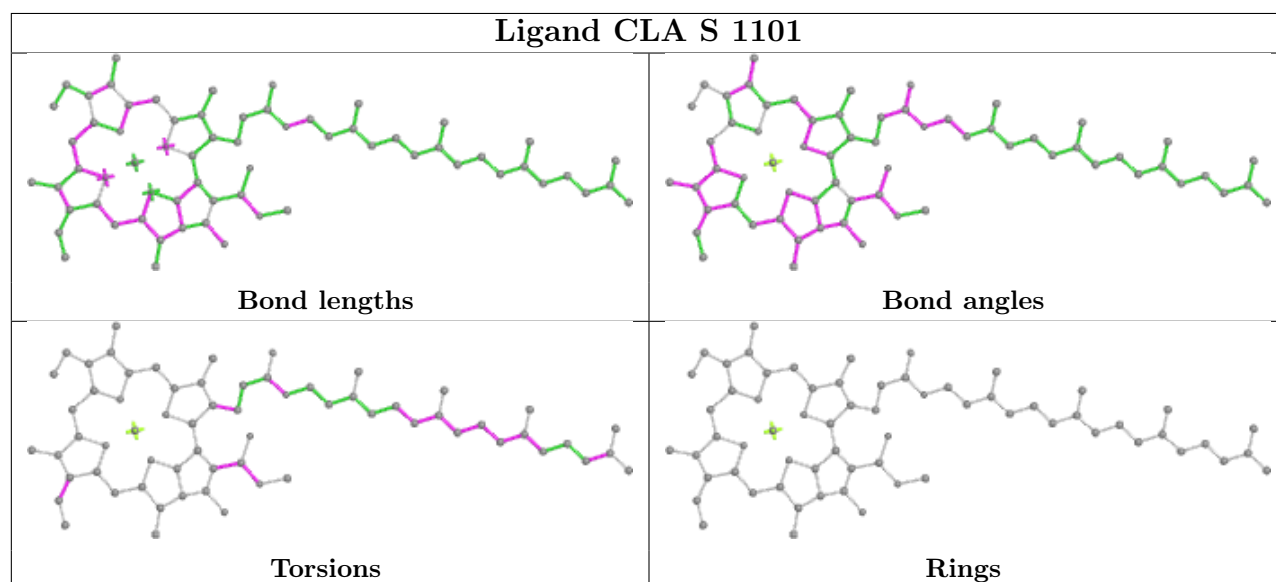
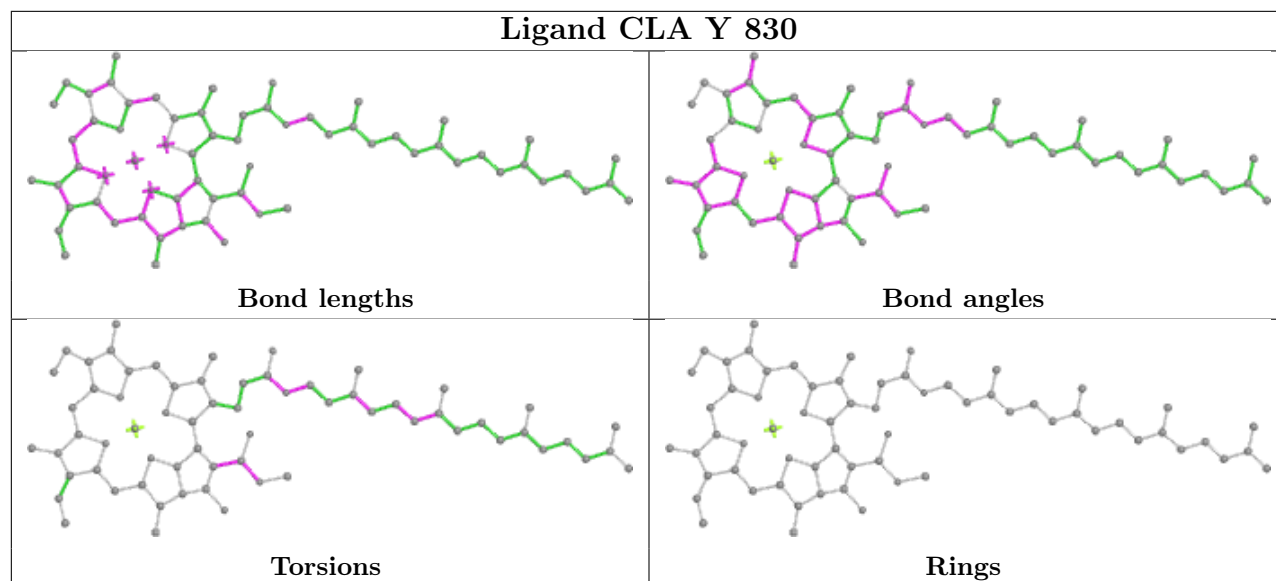
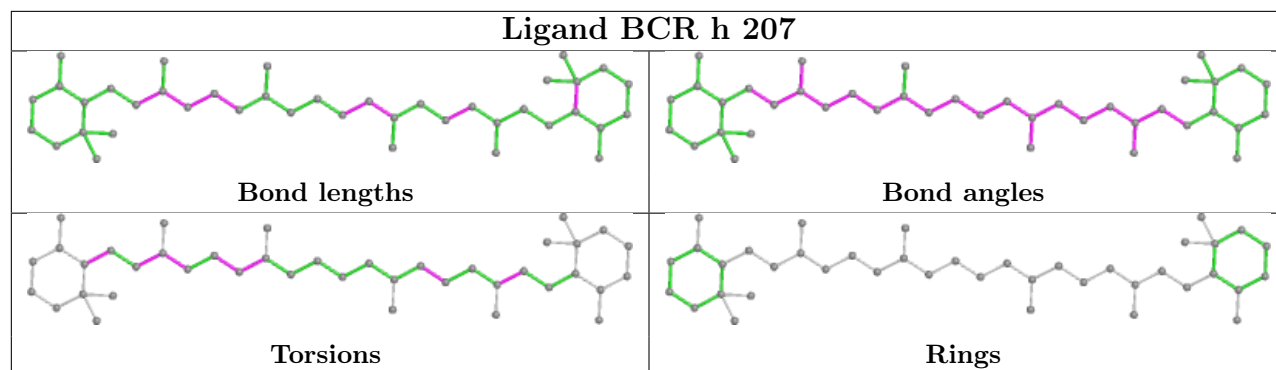


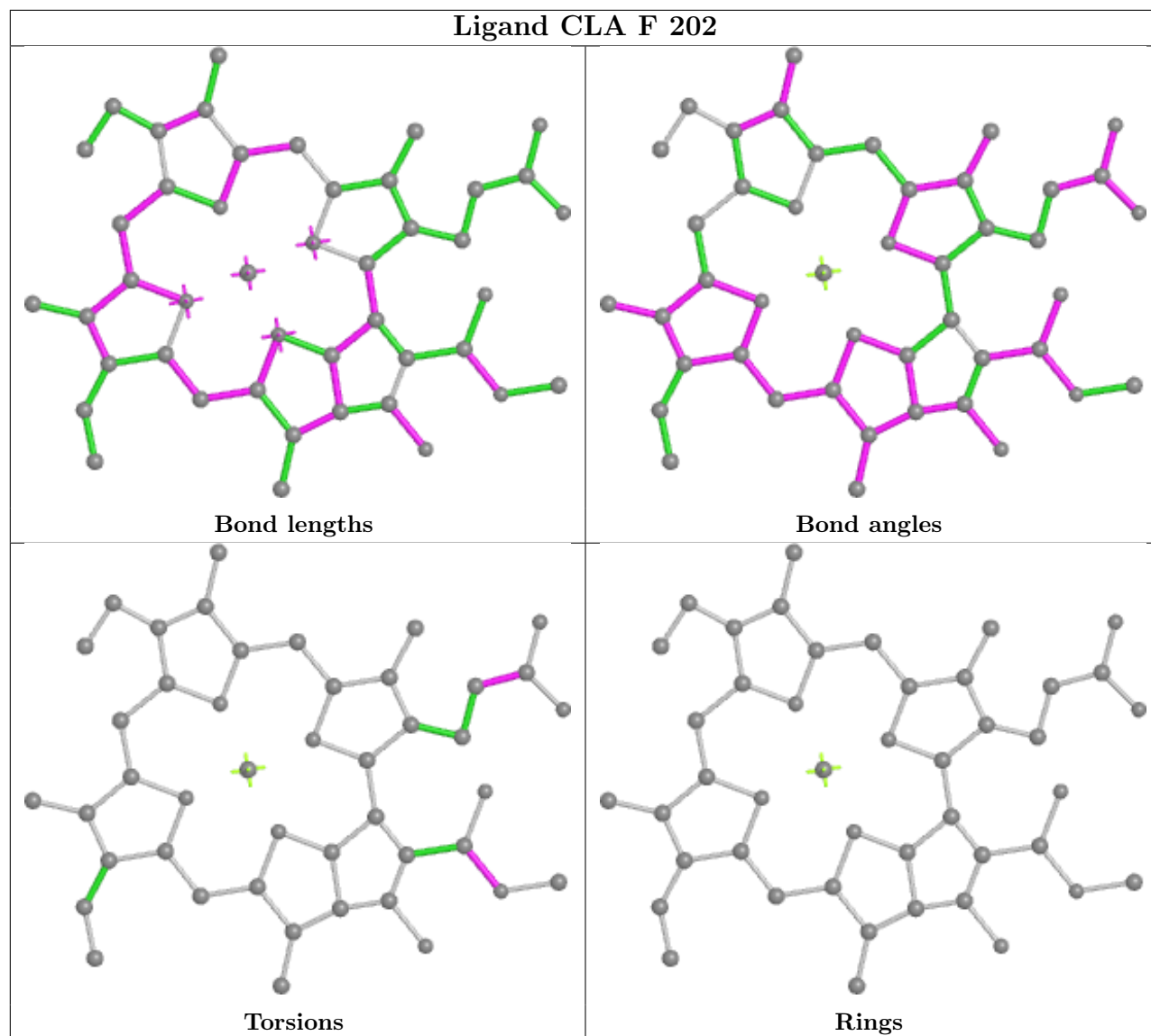
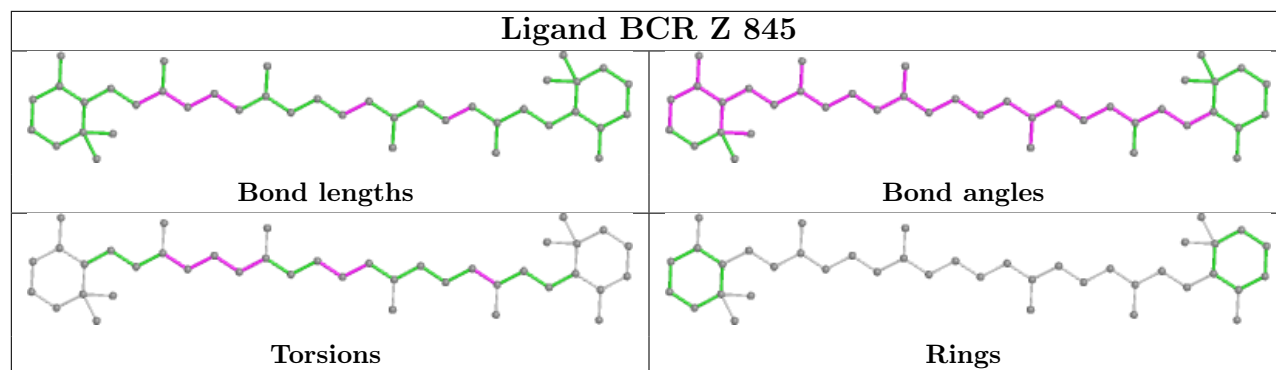
## Ligand CLA Y 828

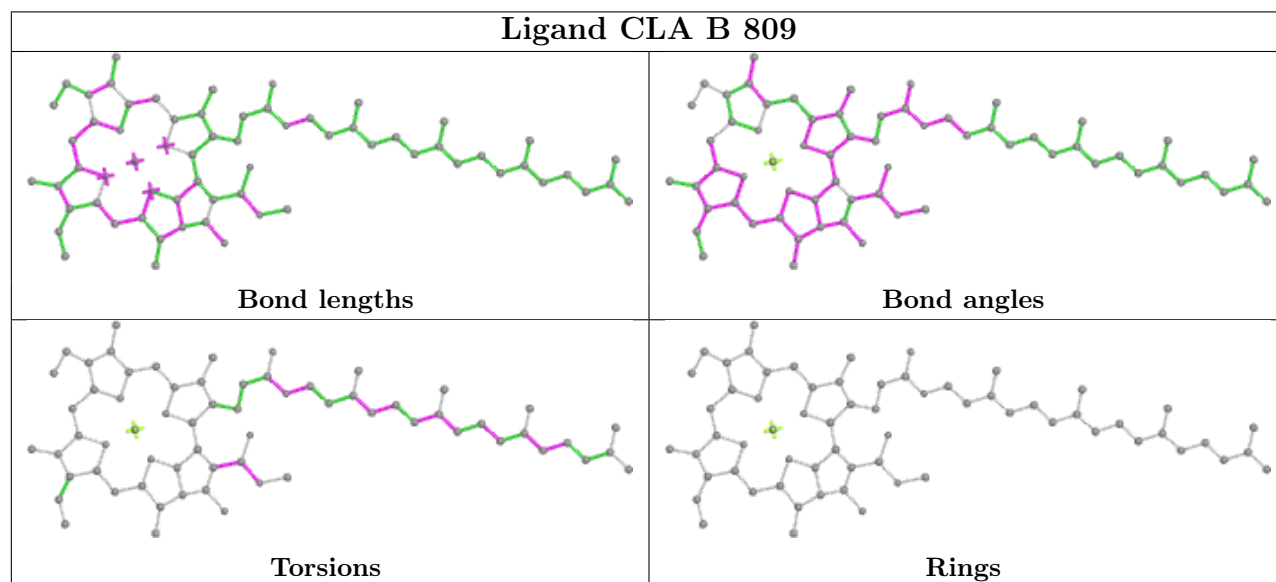
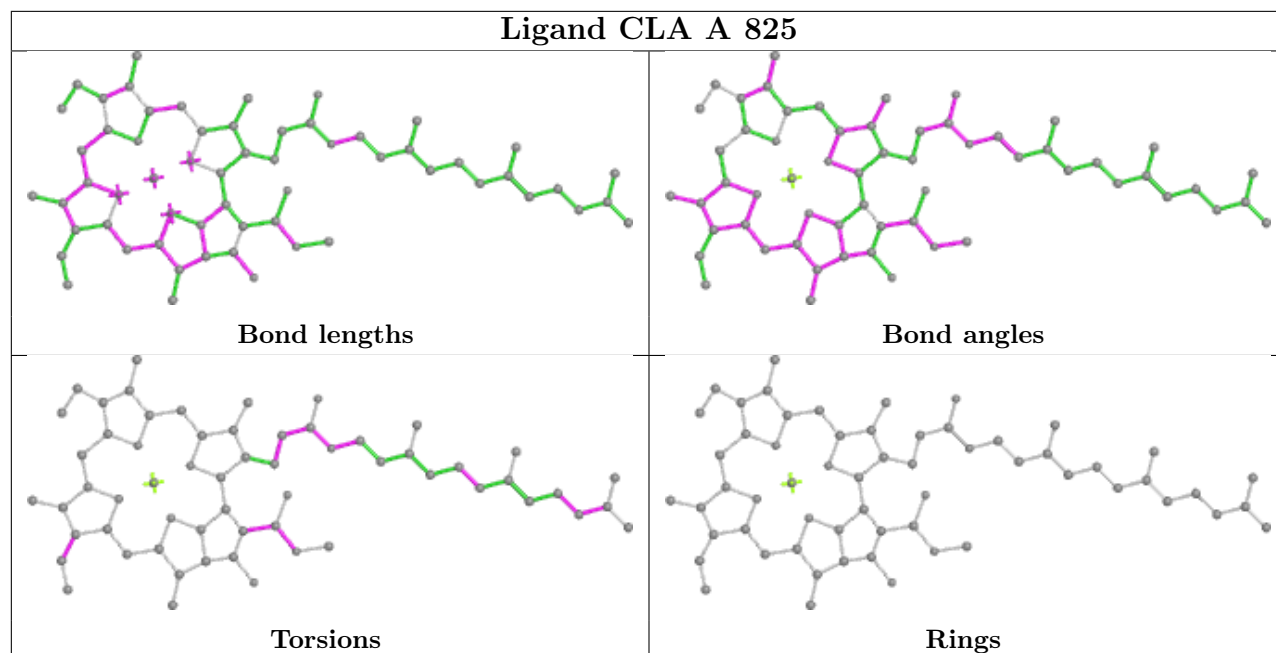




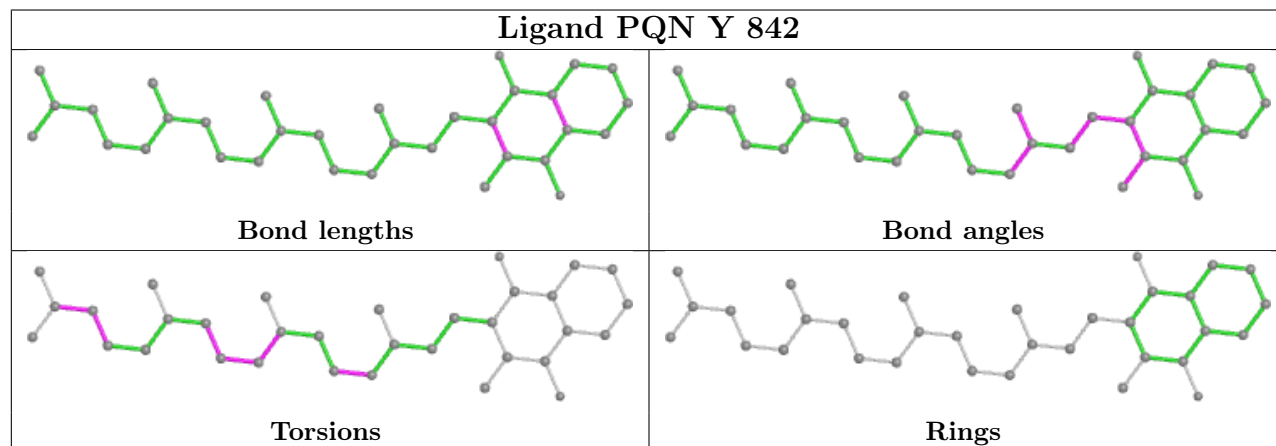
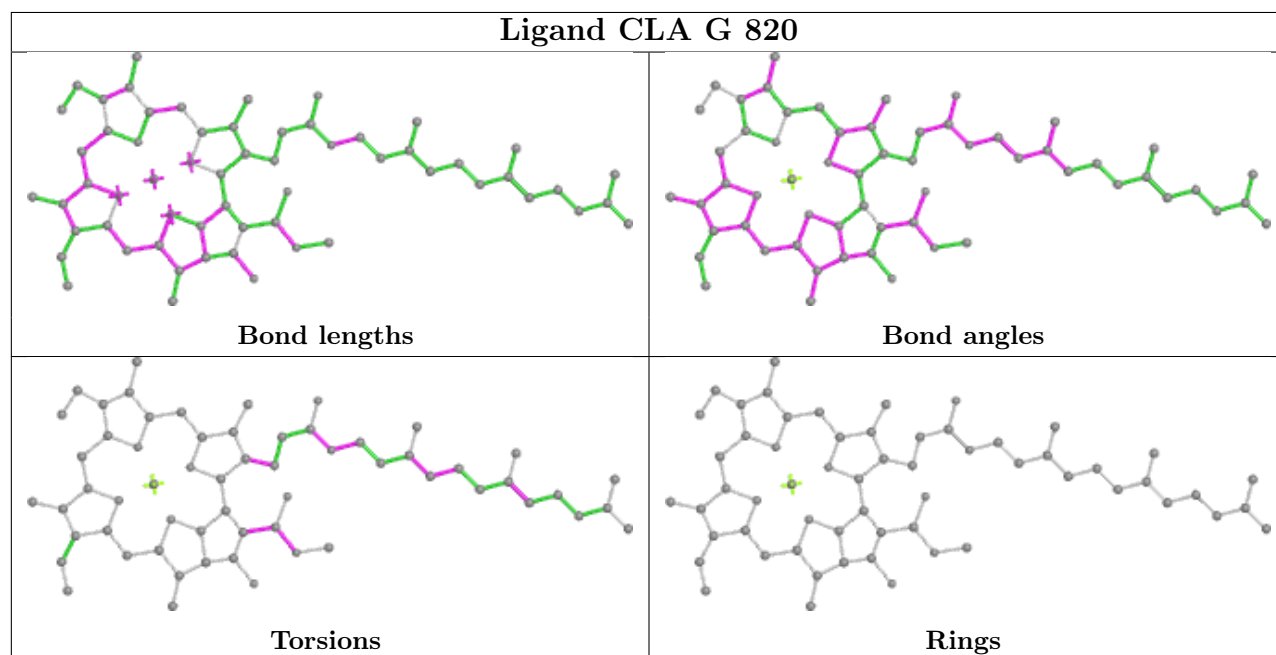
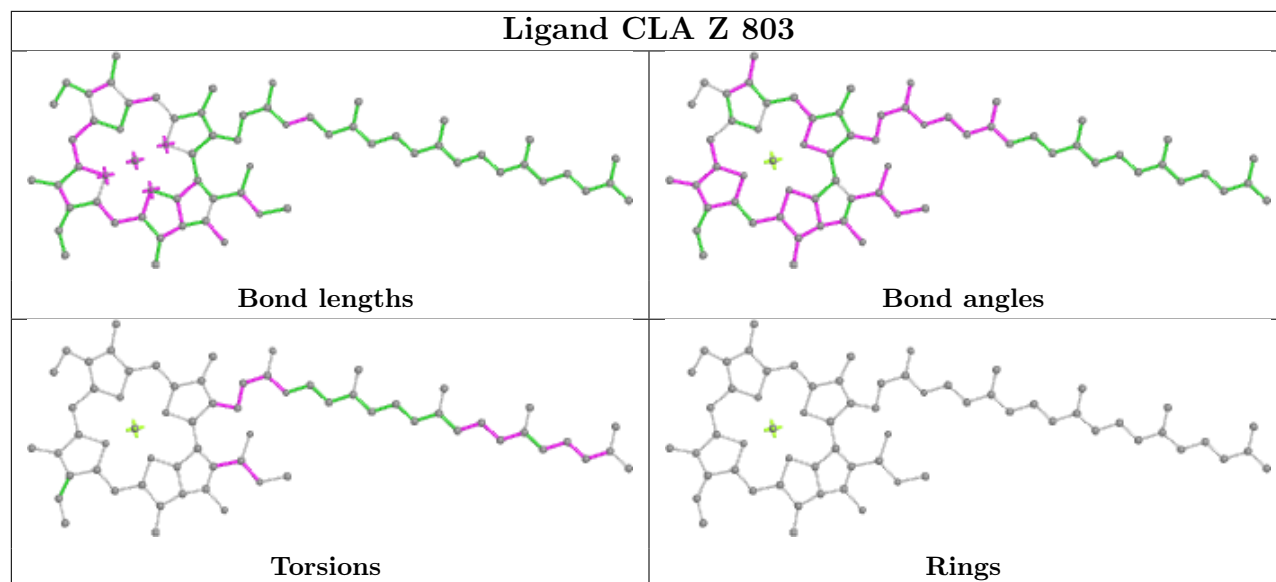


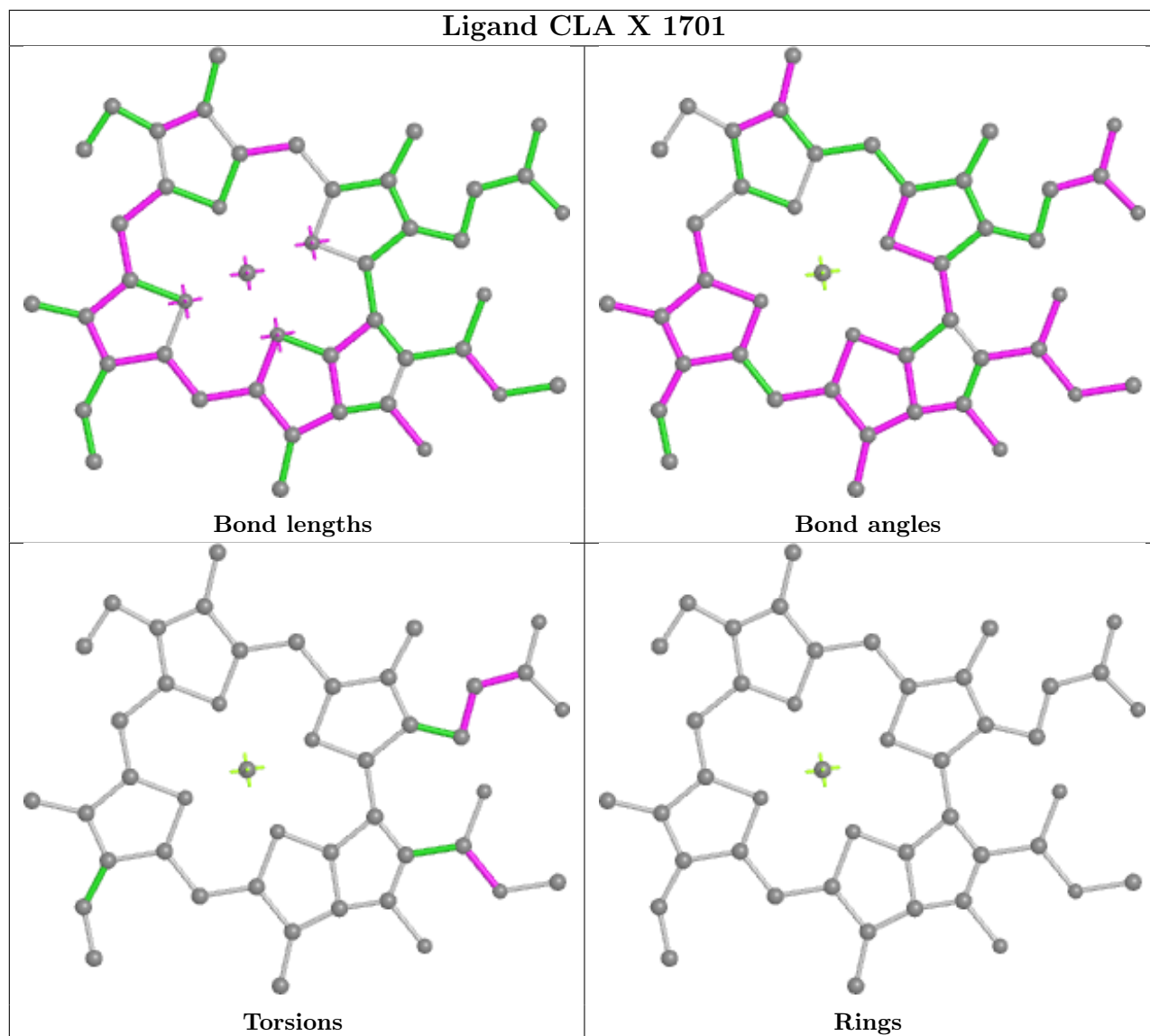
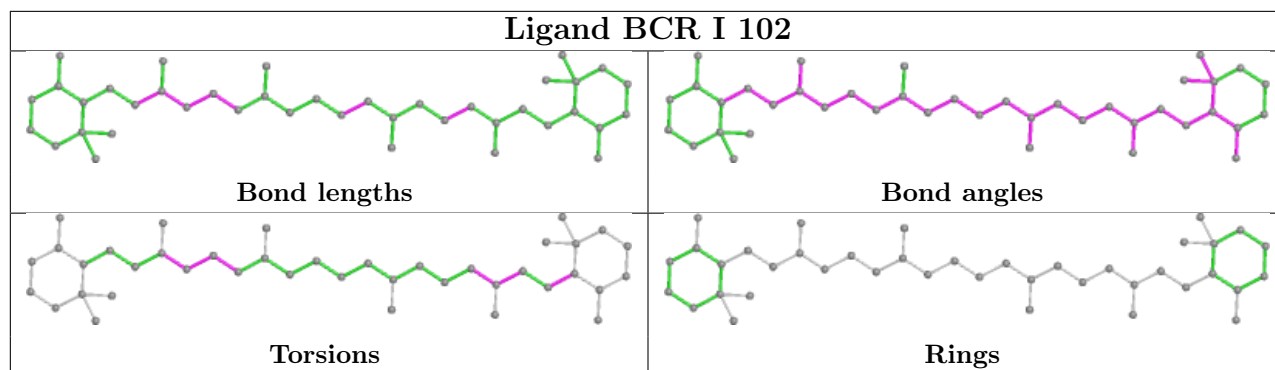


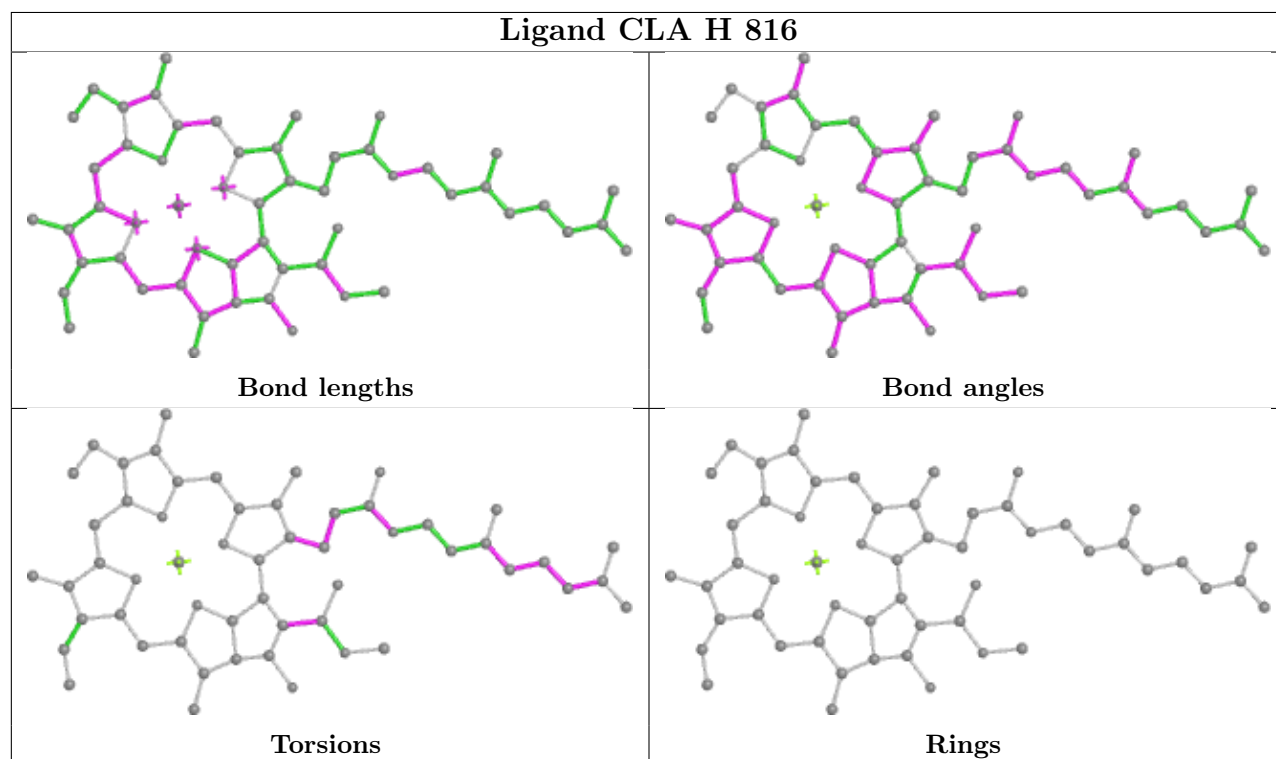
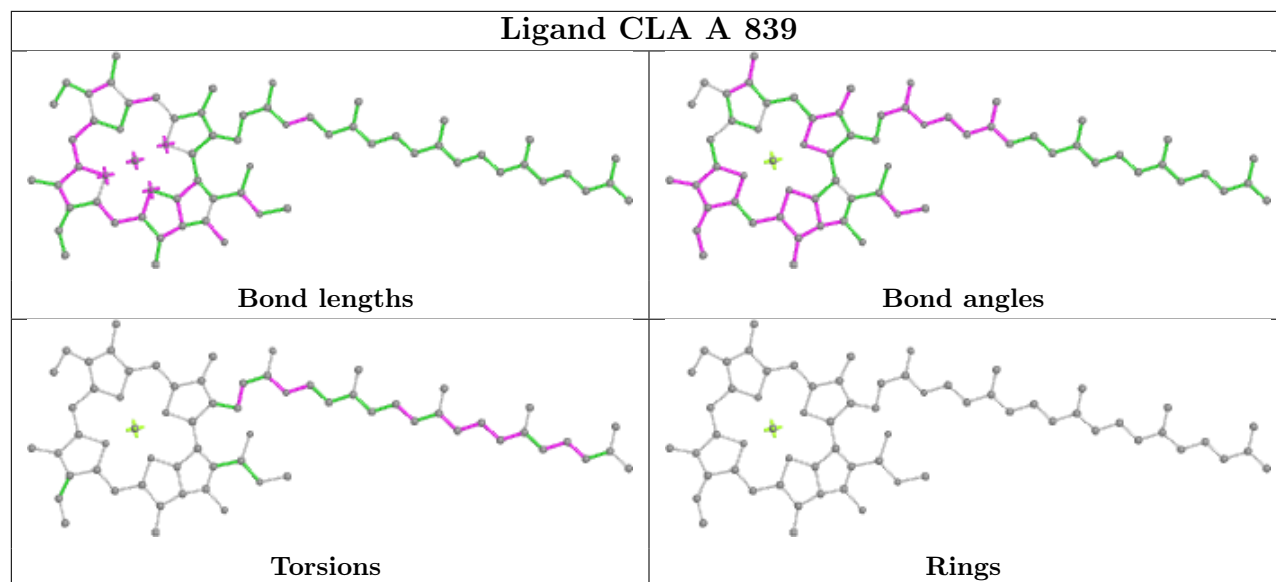


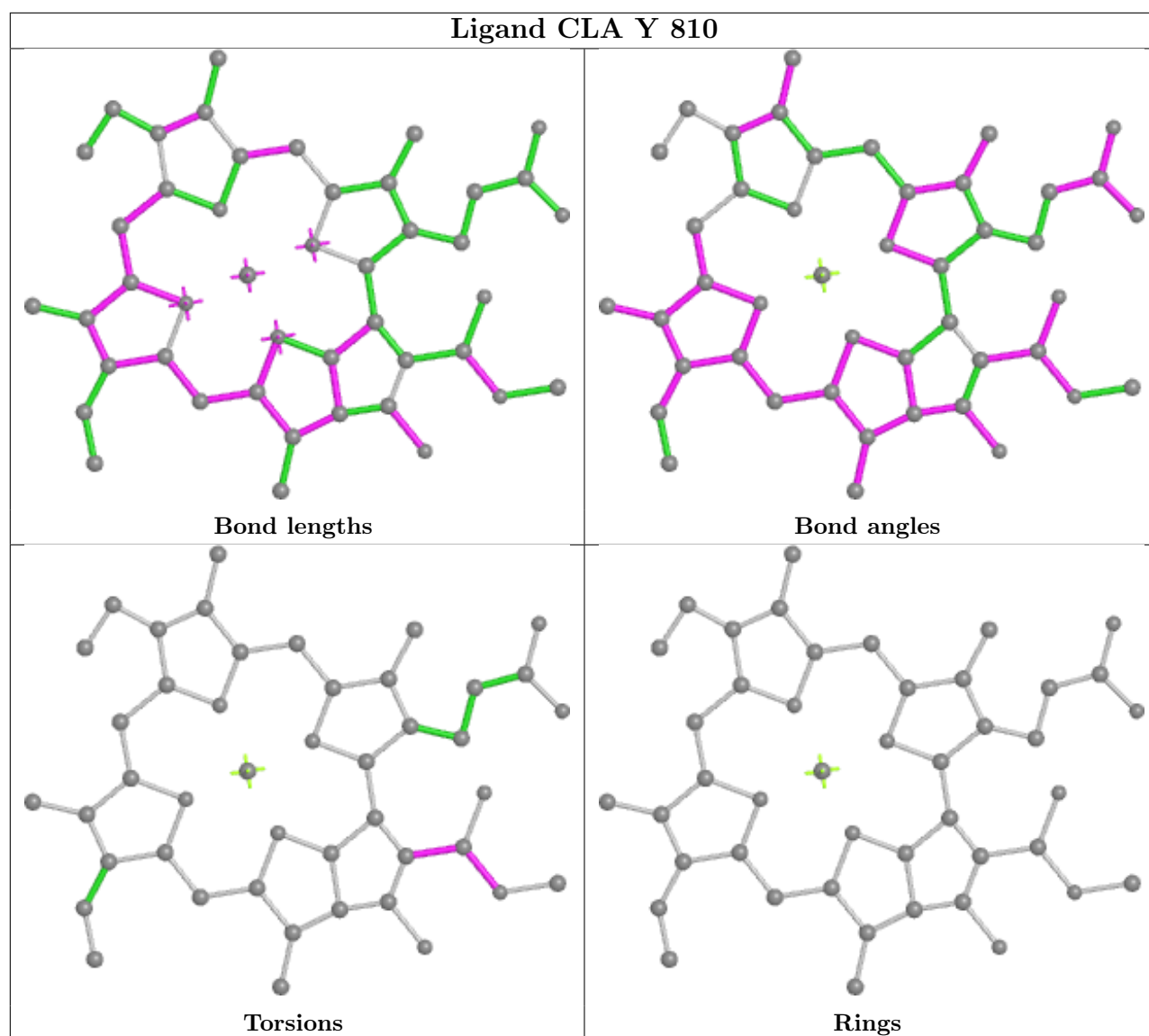


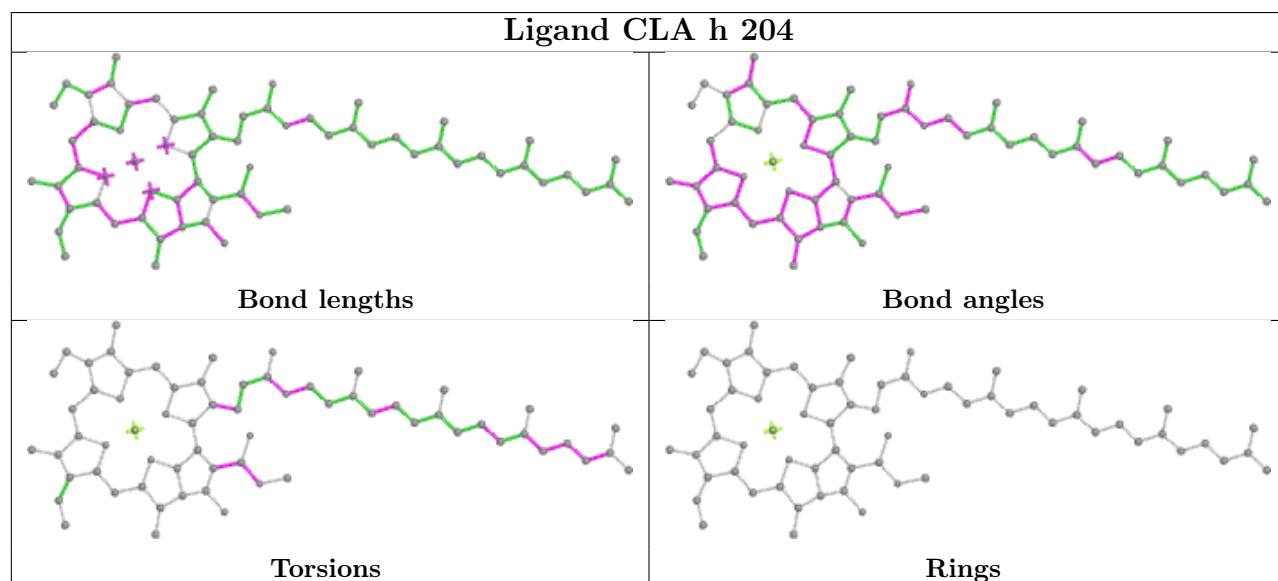
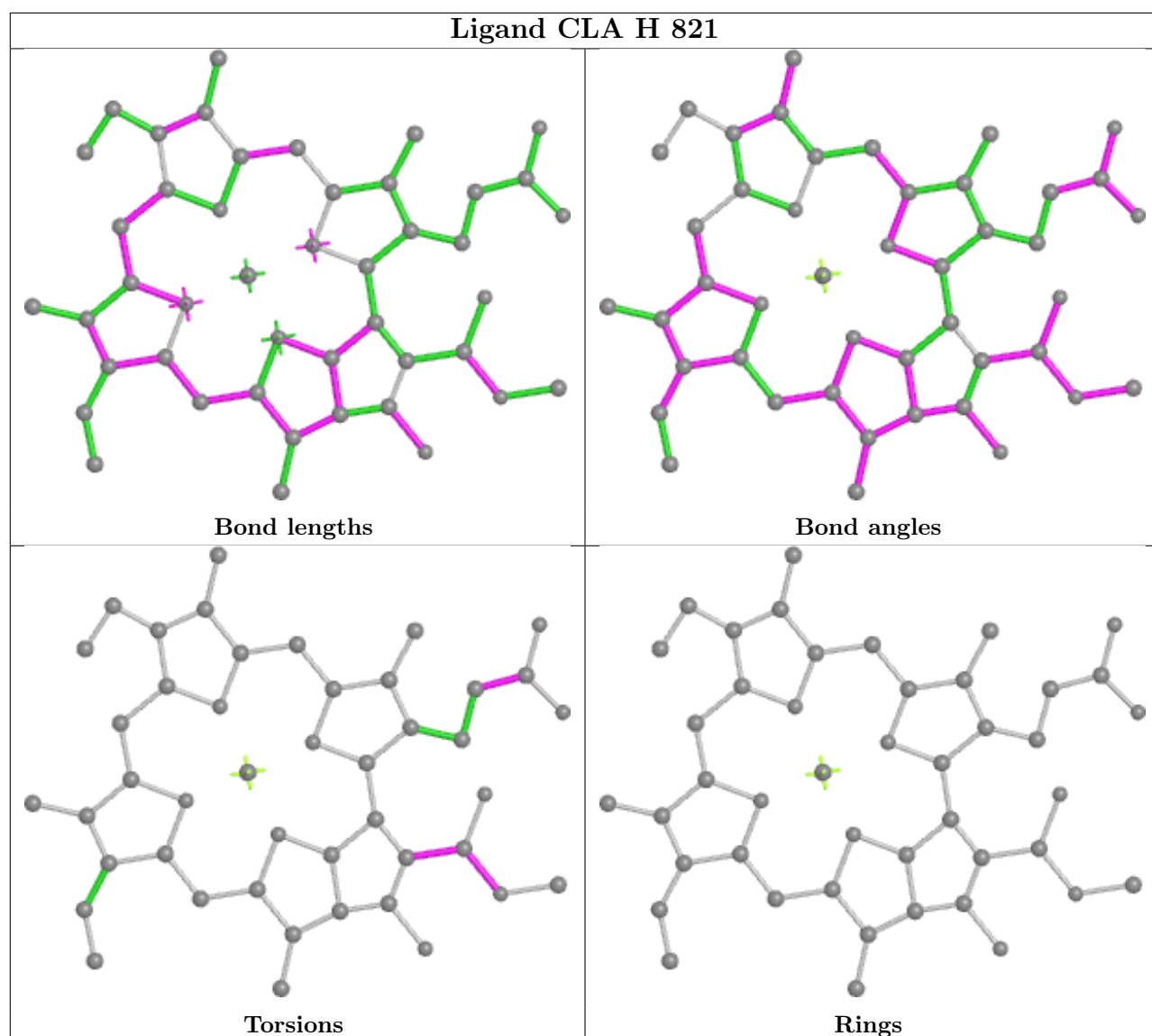


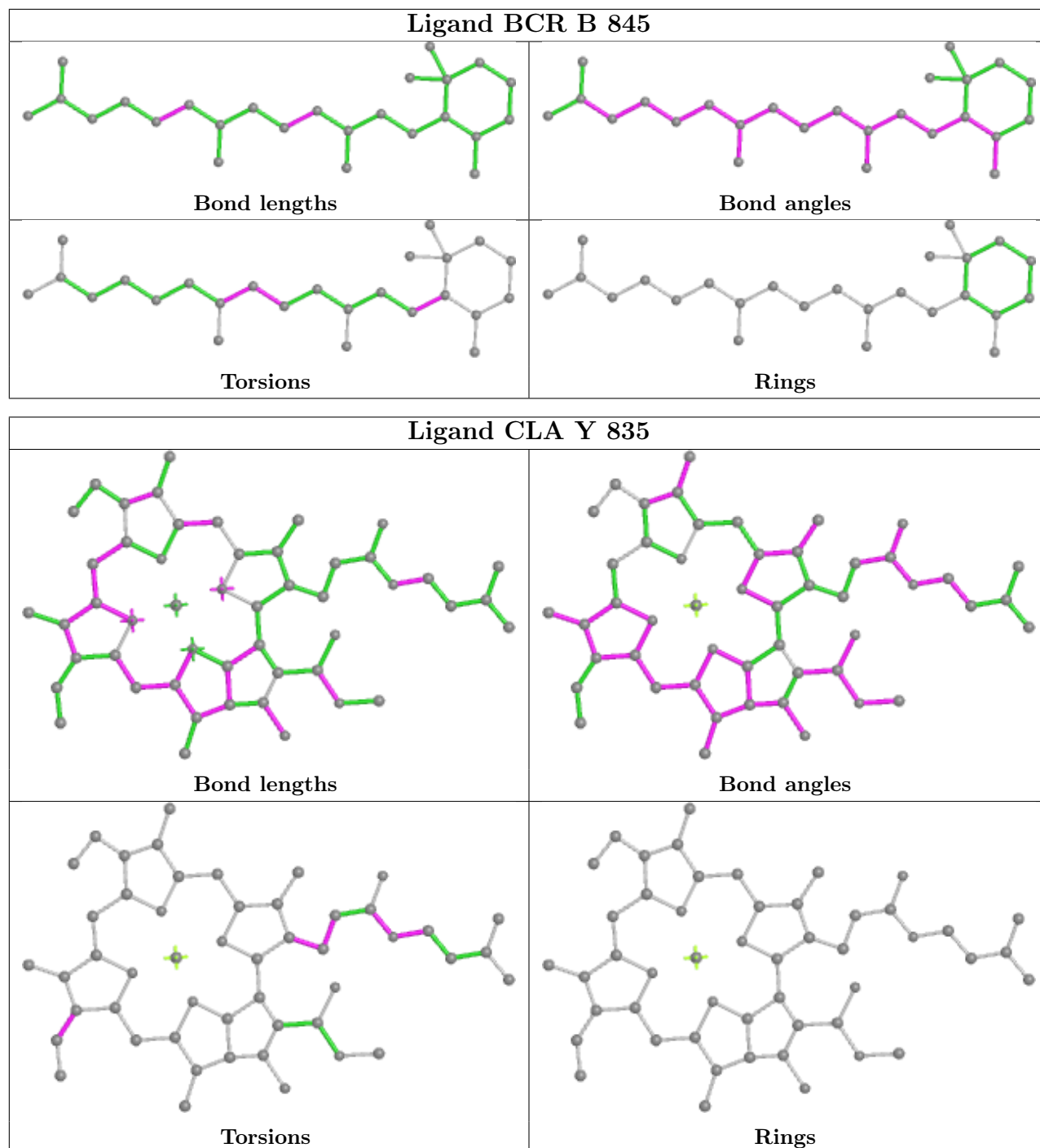


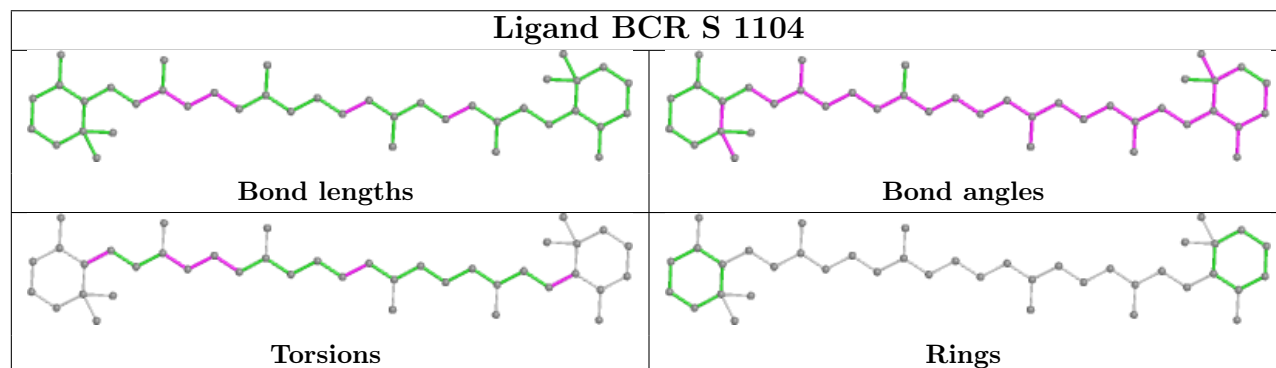
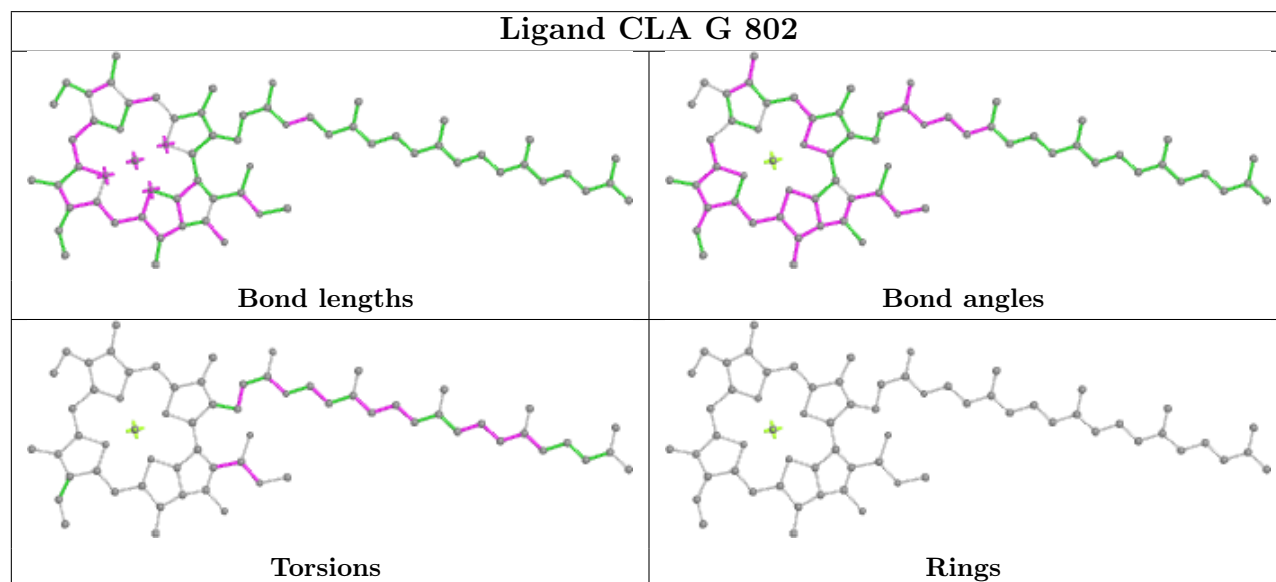
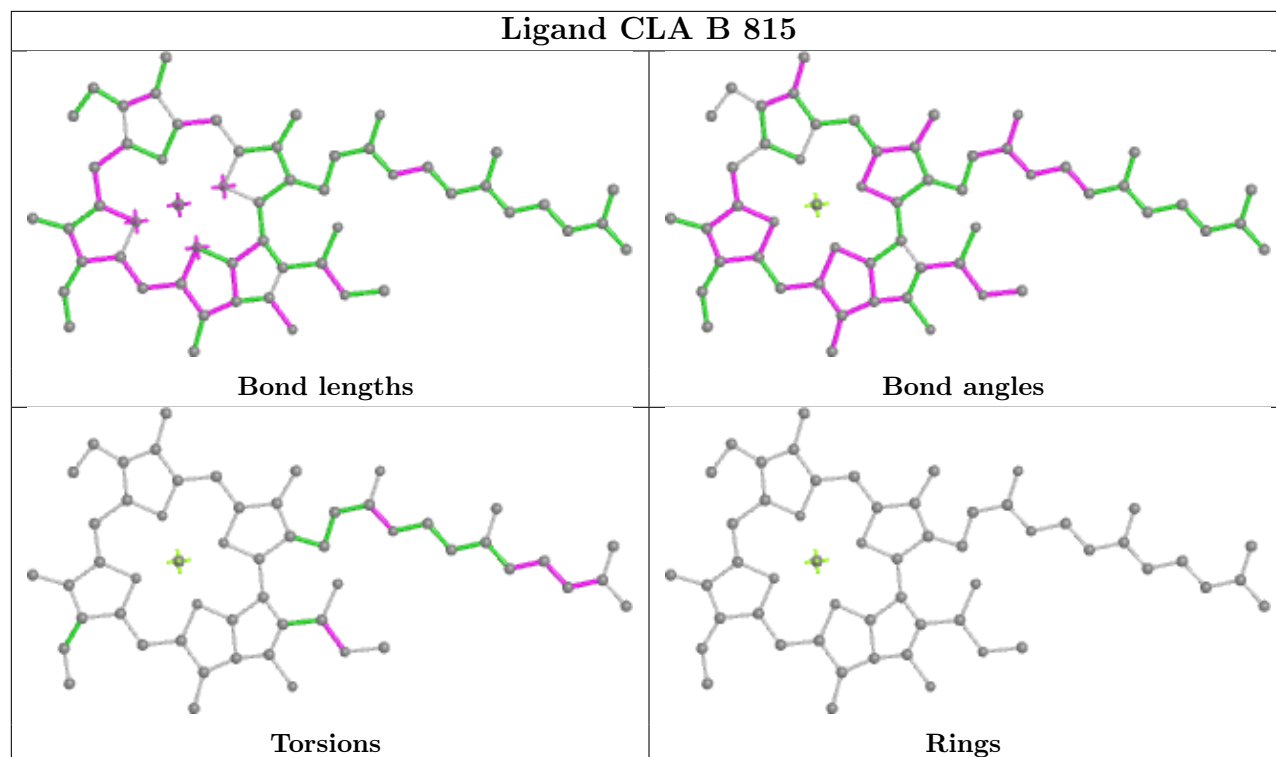


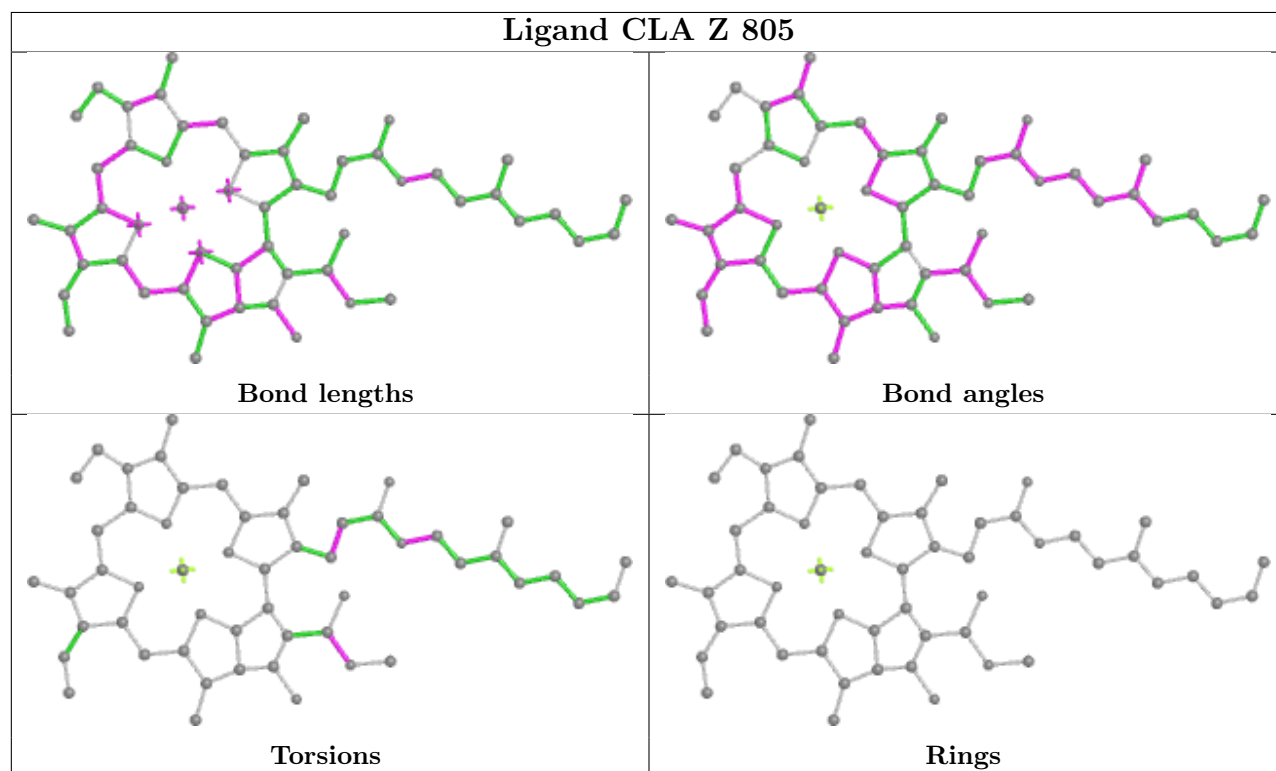
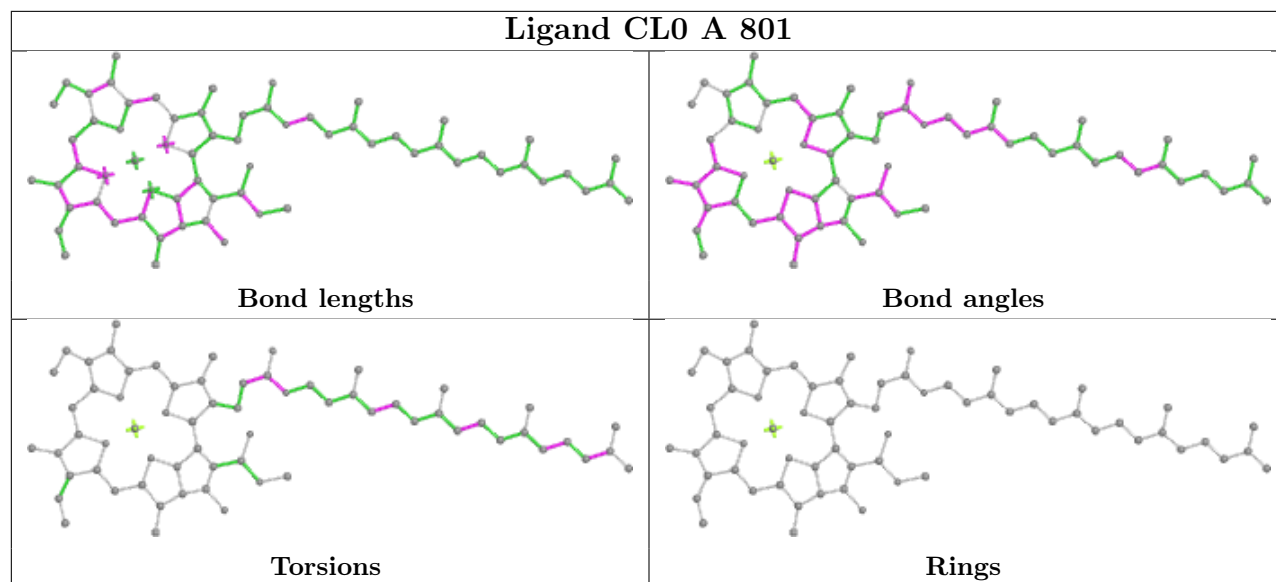




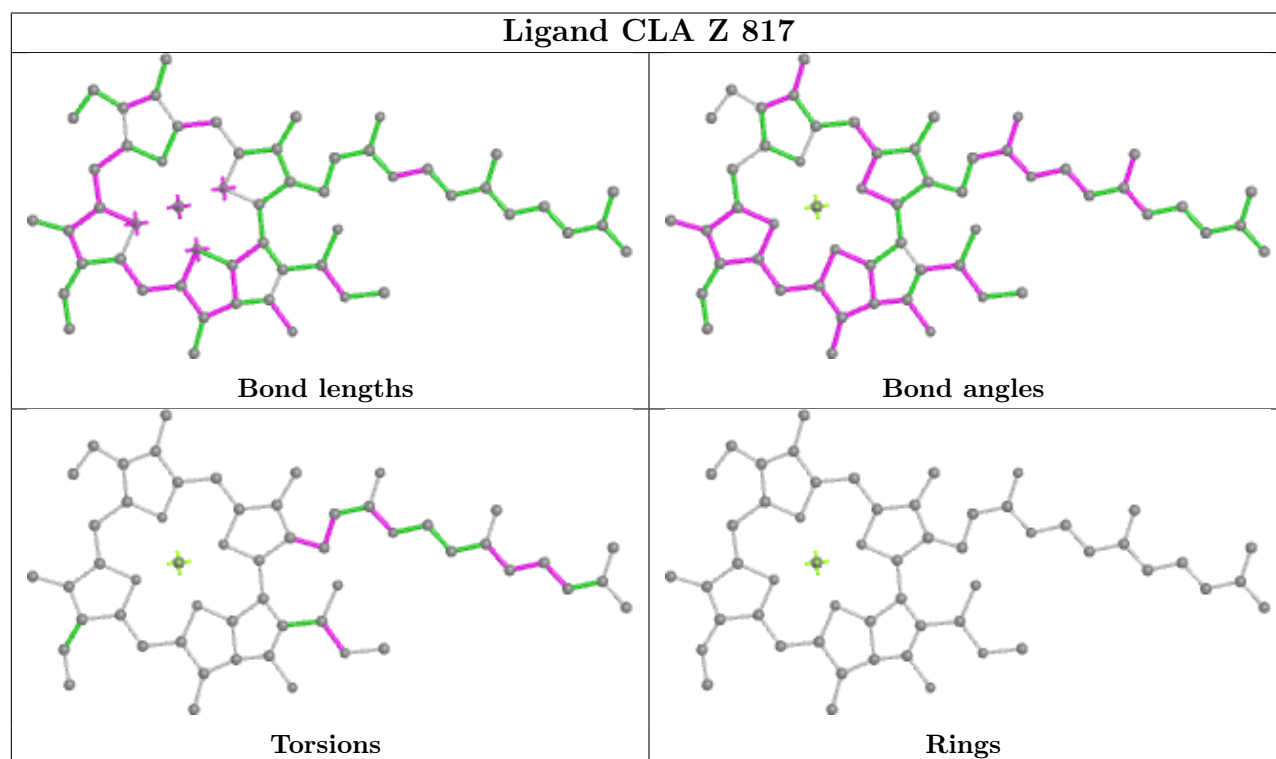
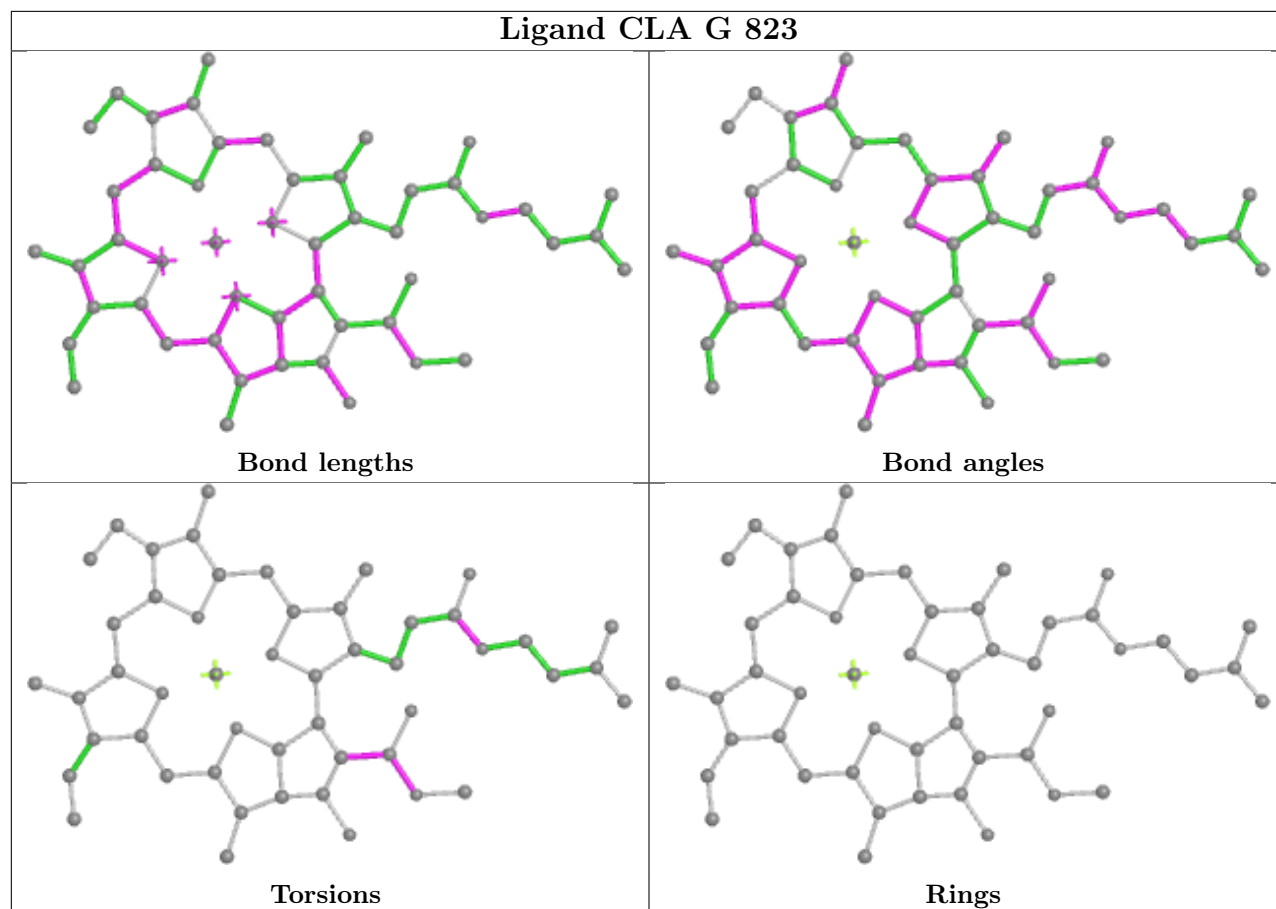


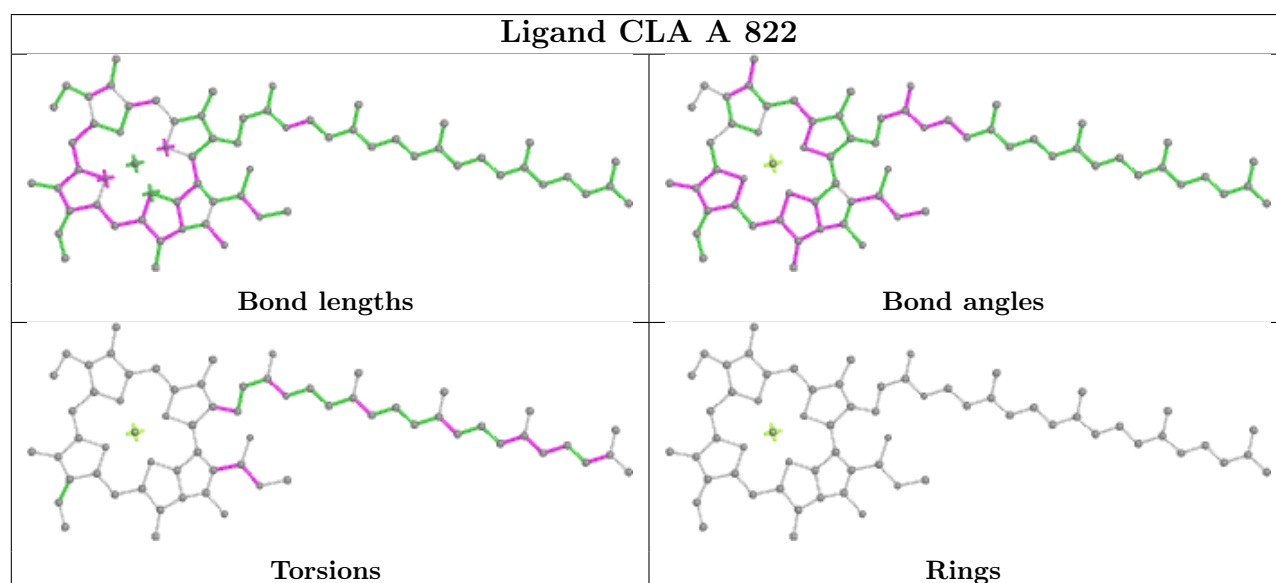
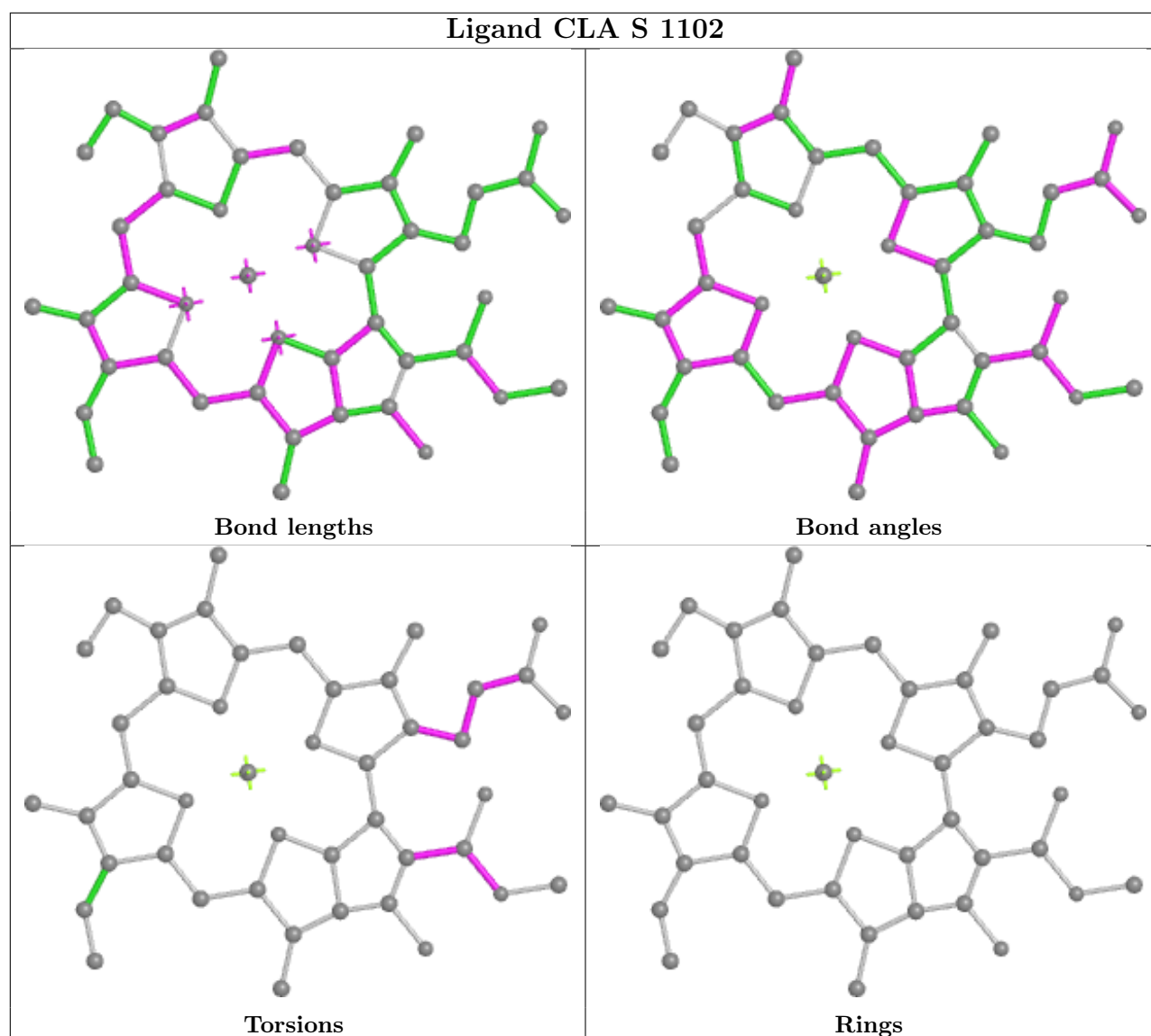


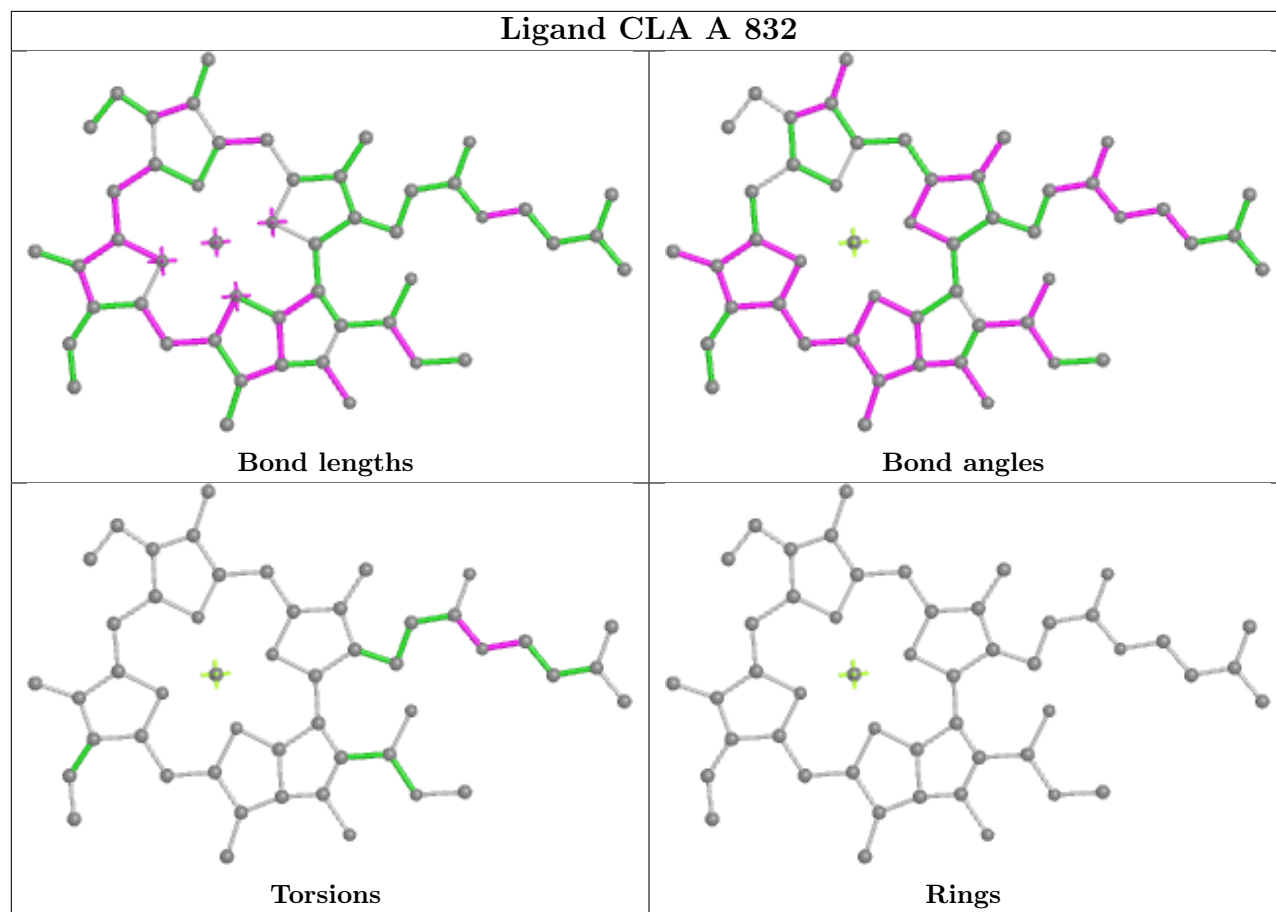


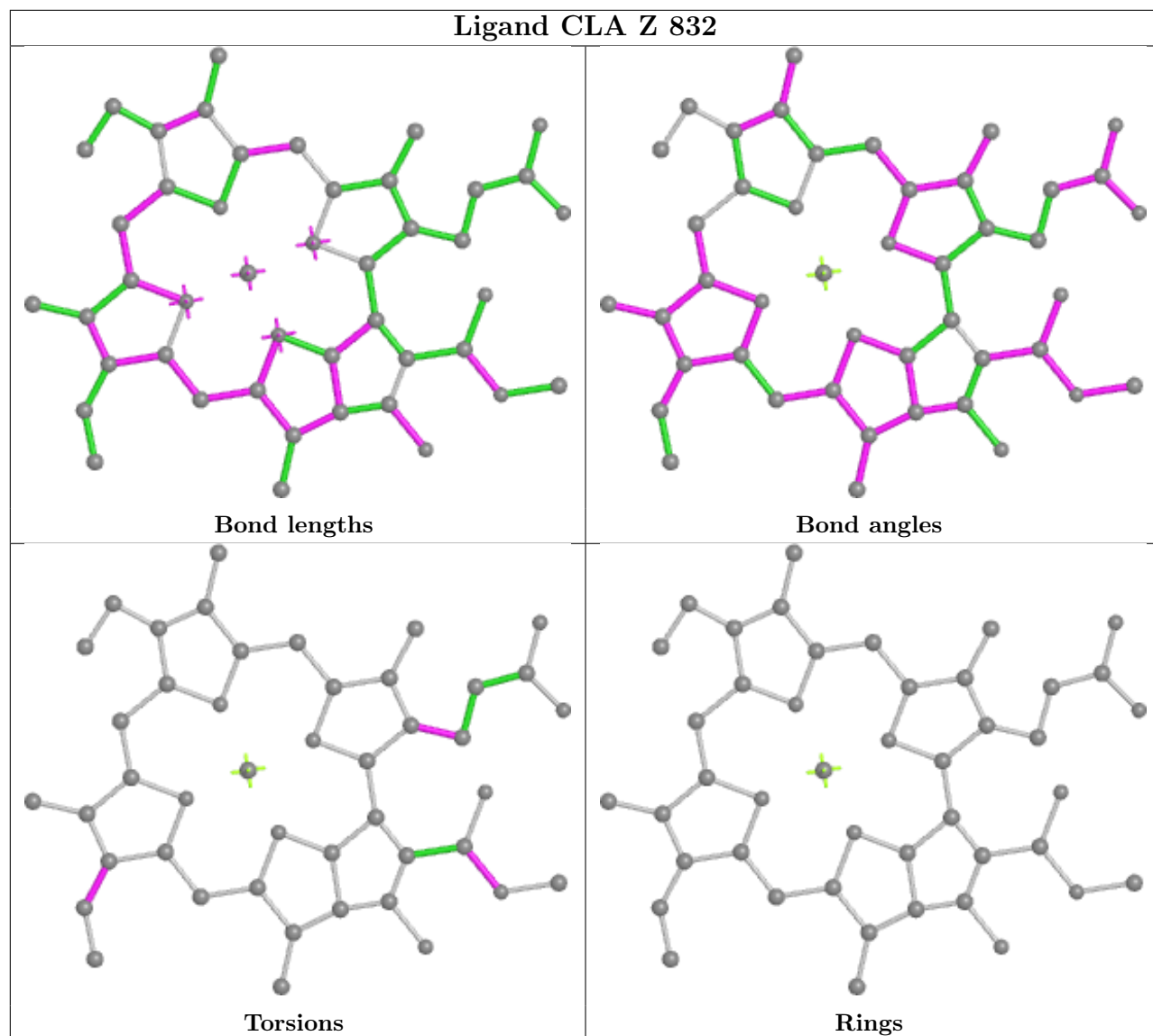


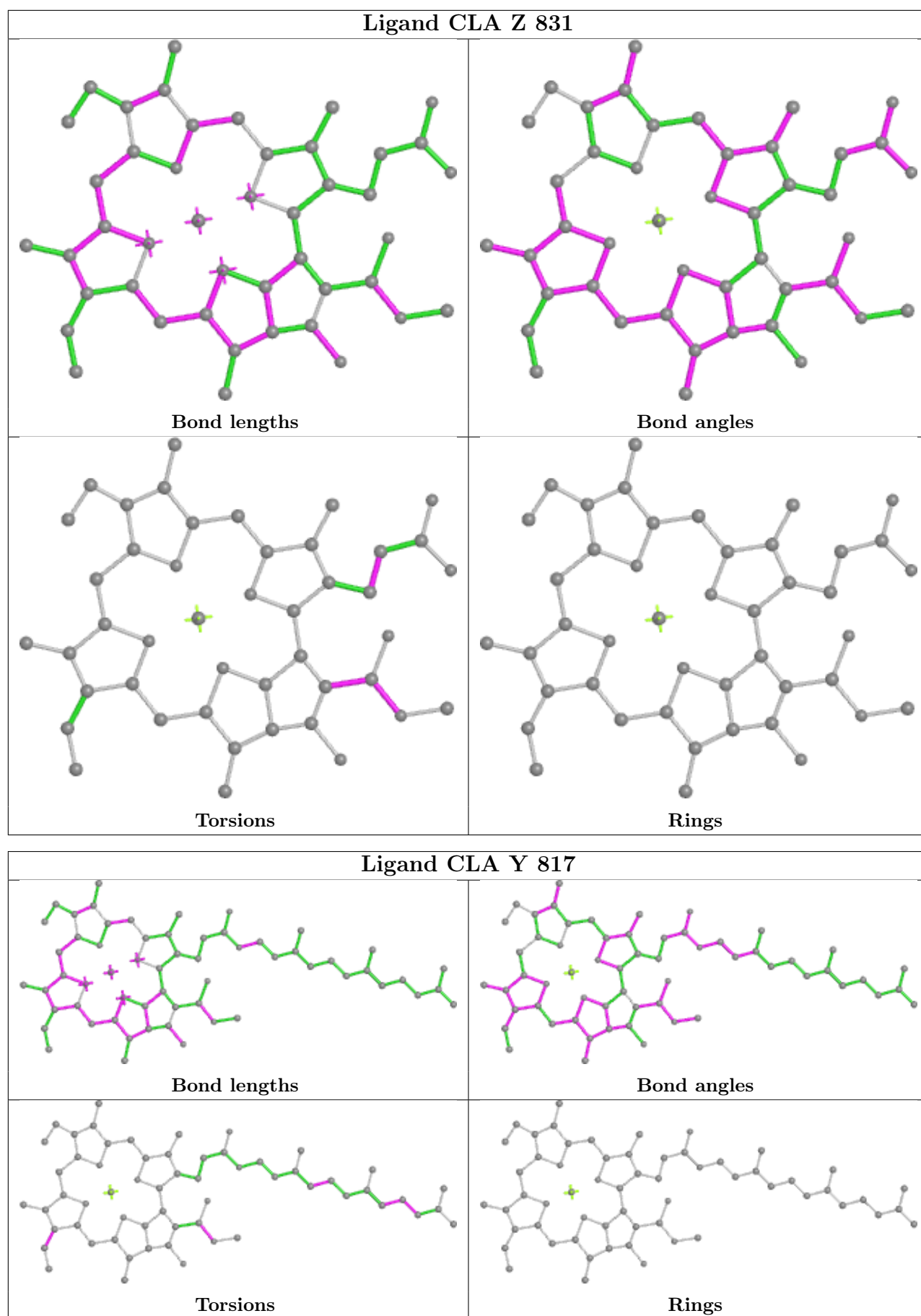


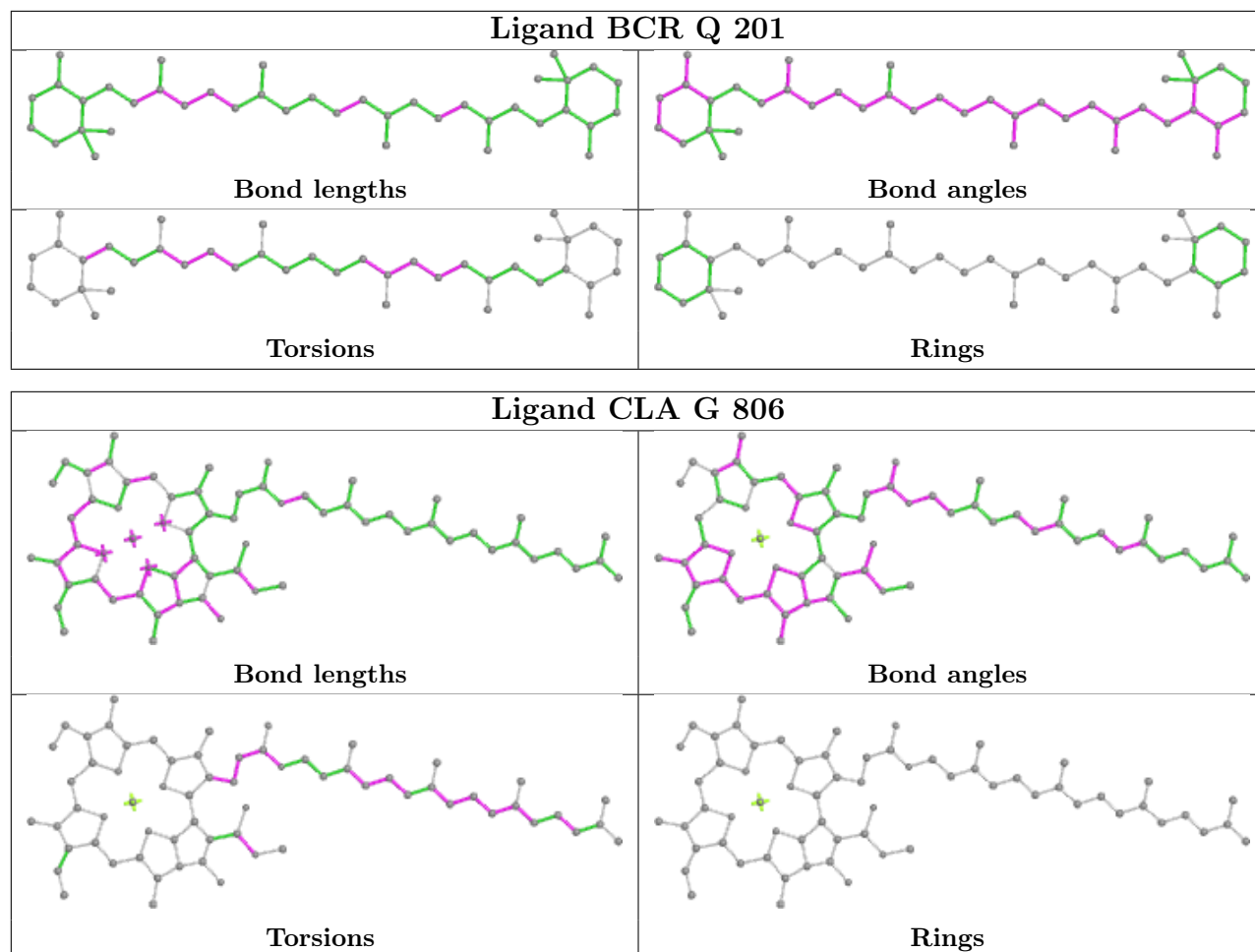


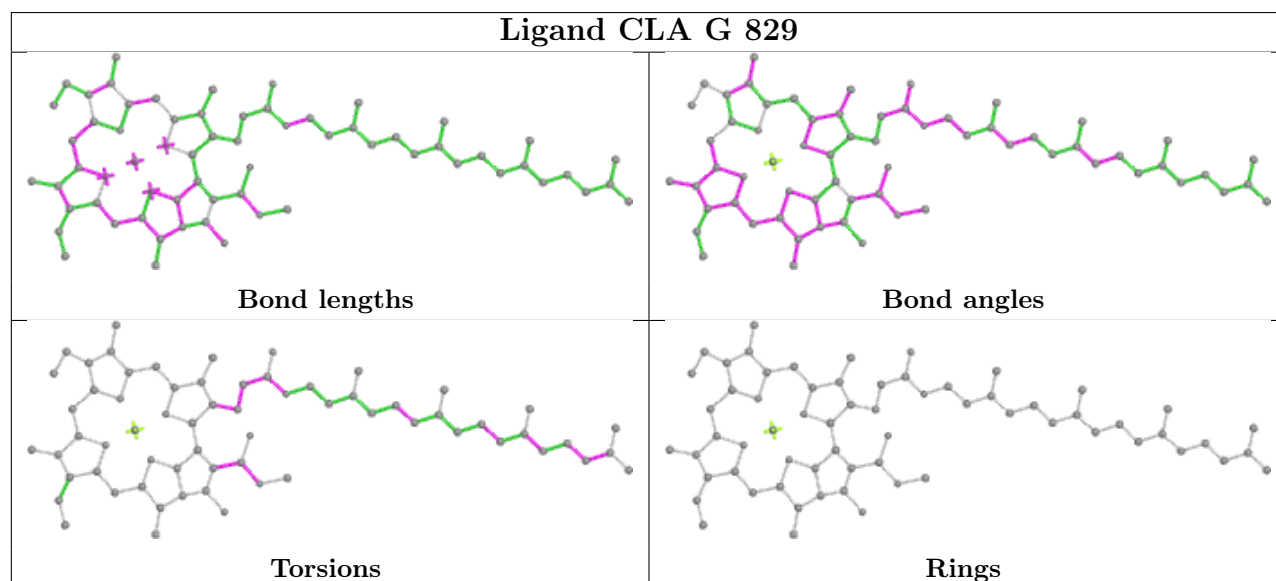
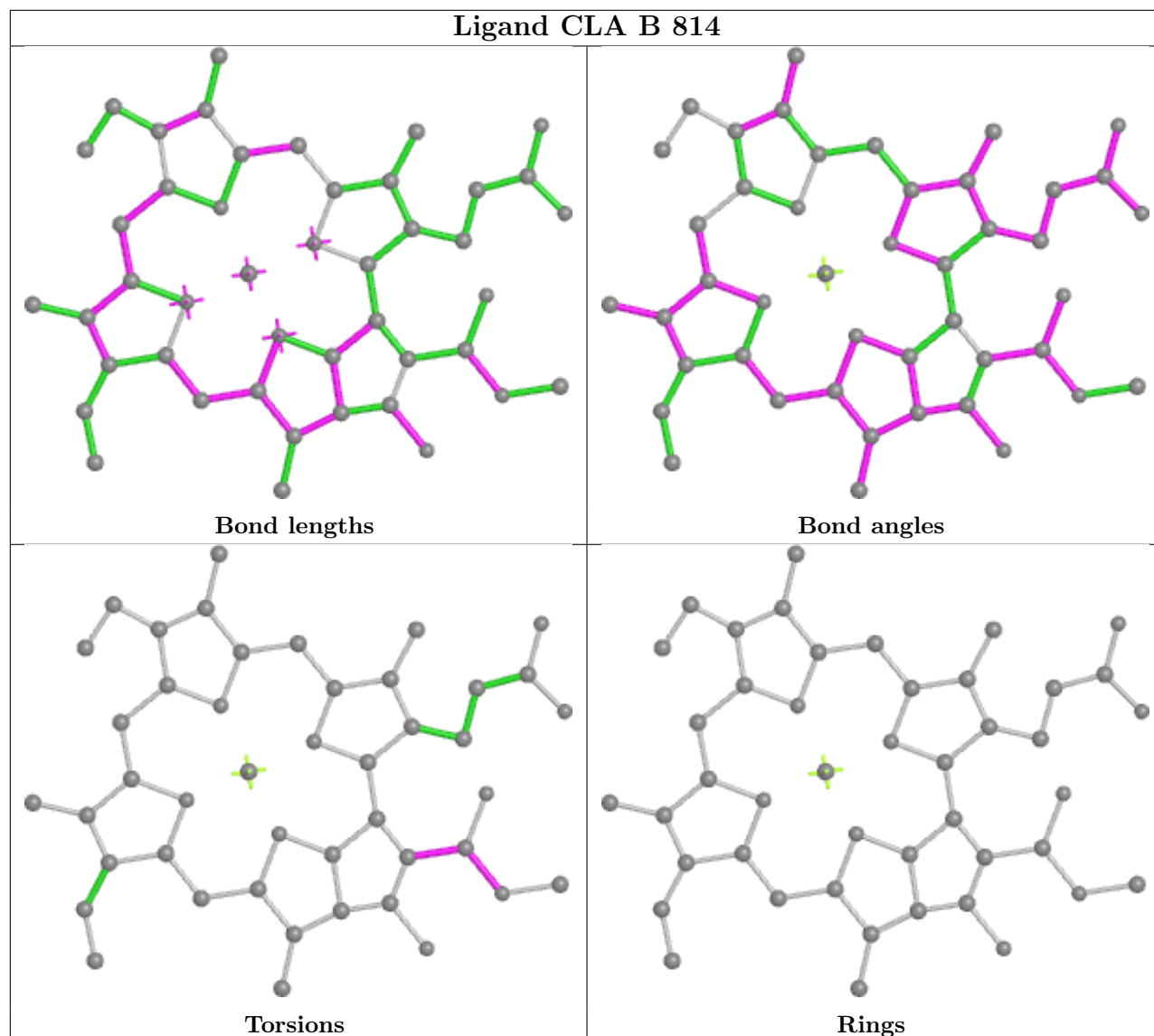


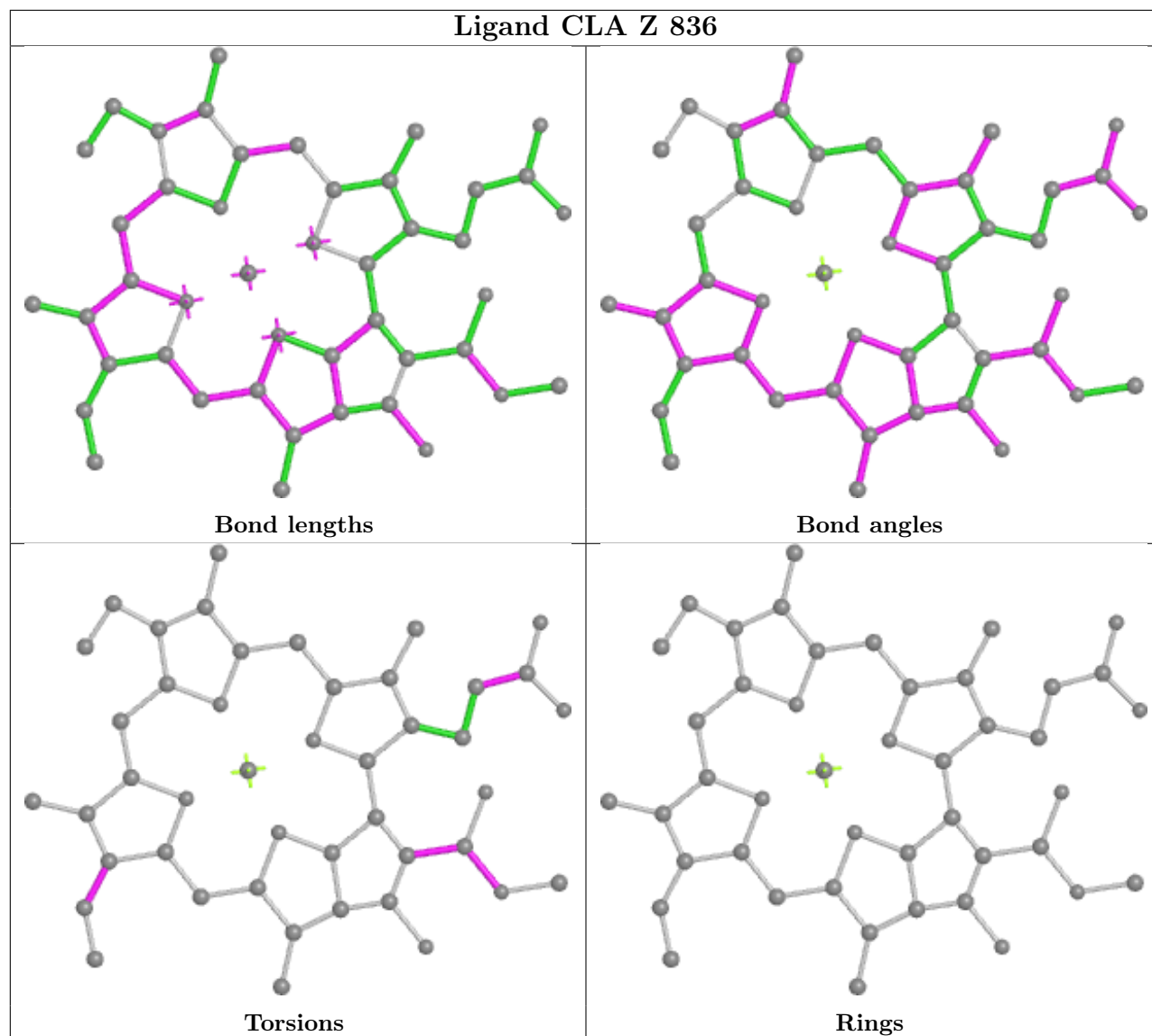




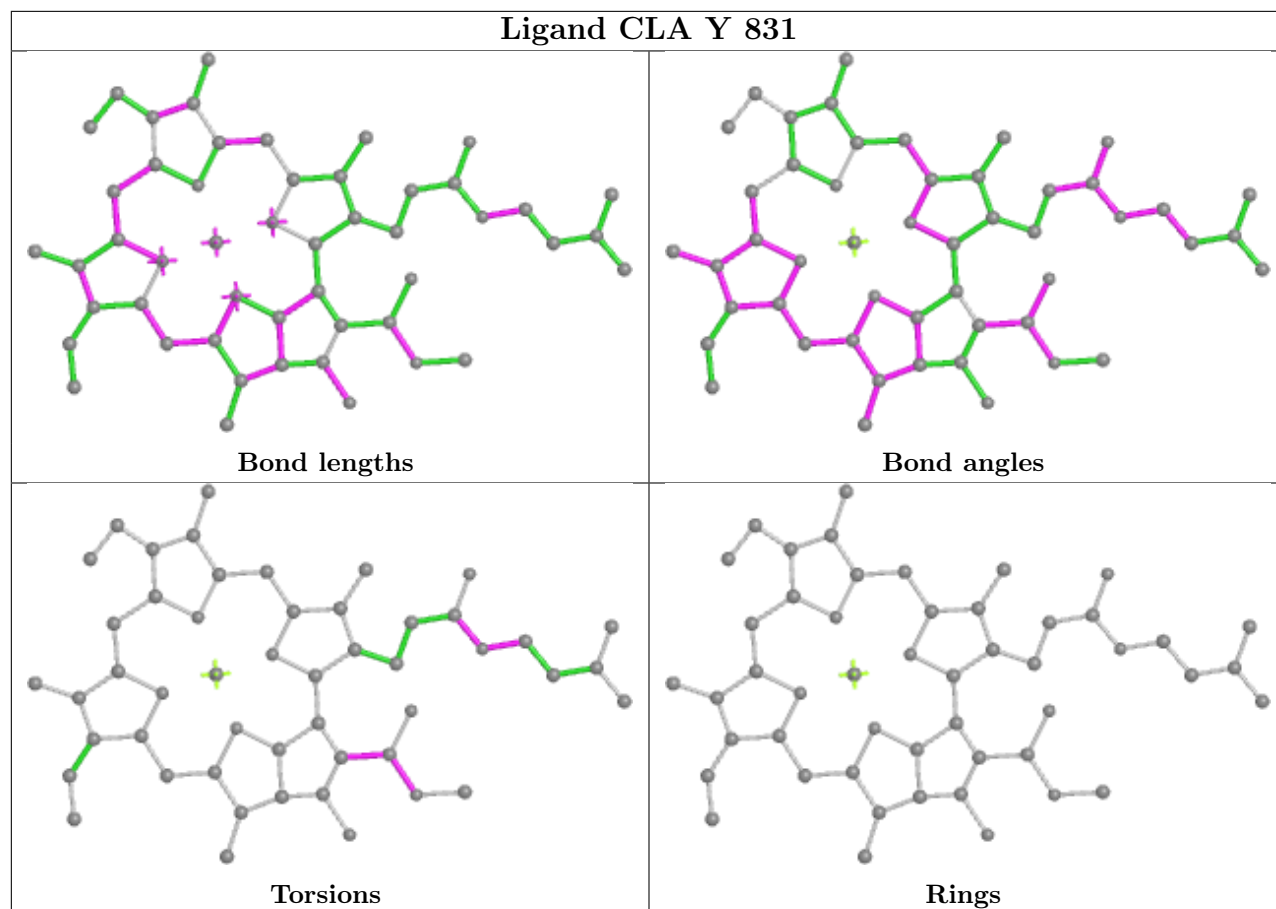


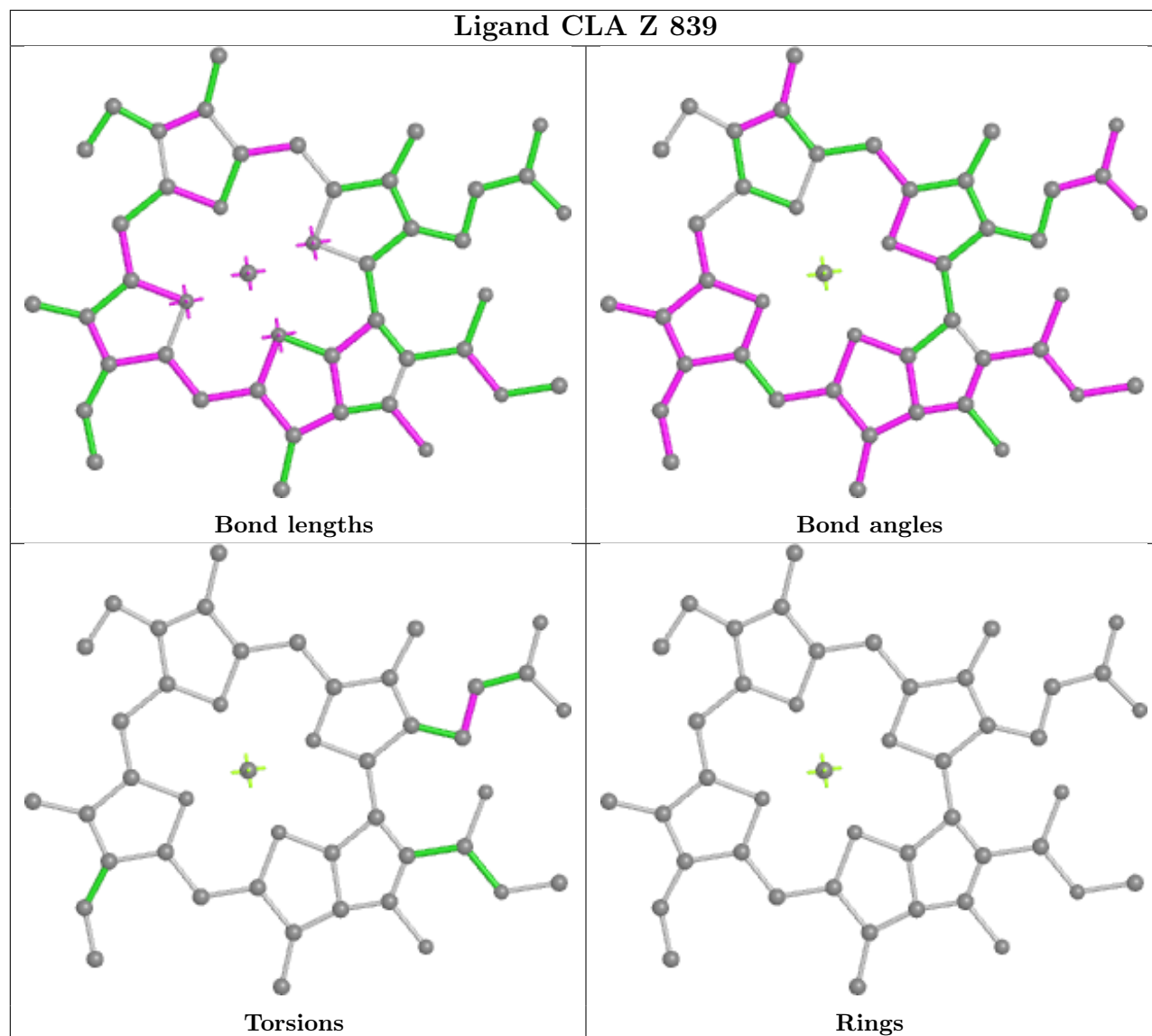


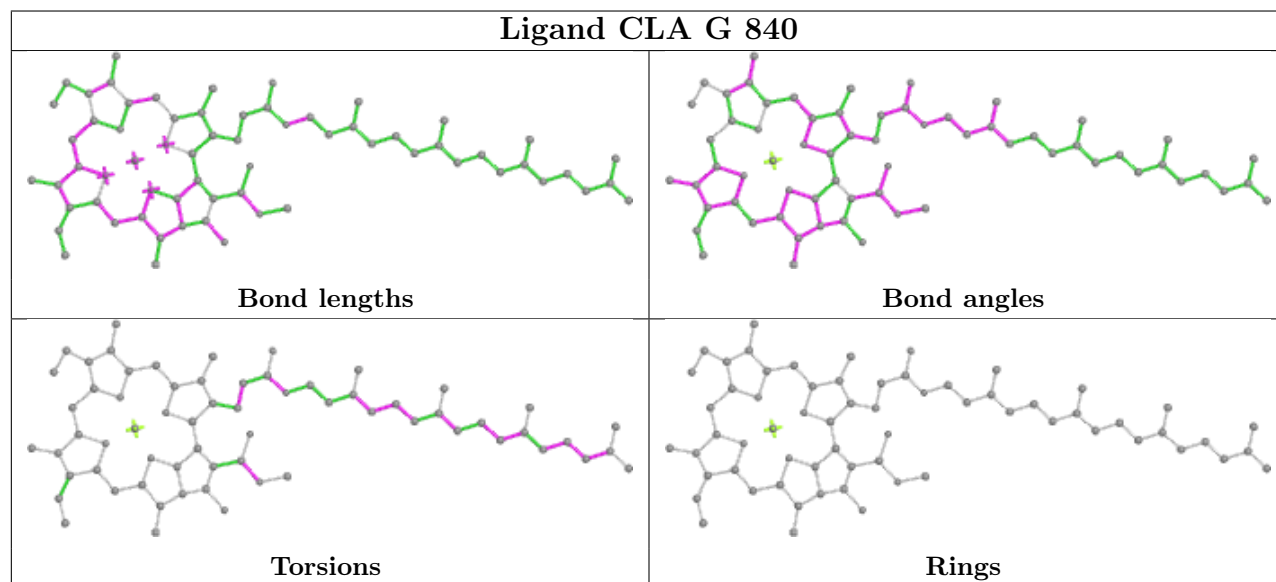
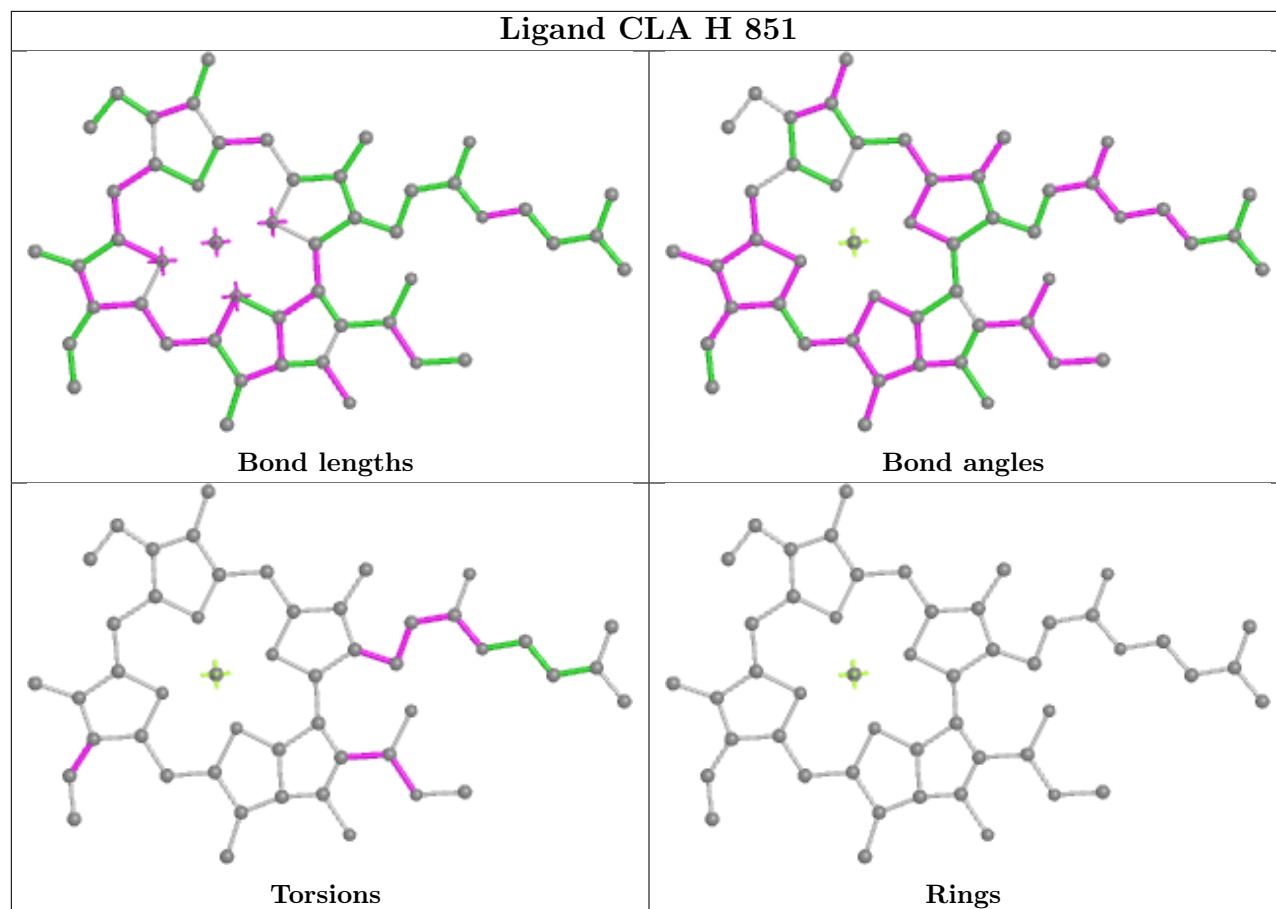


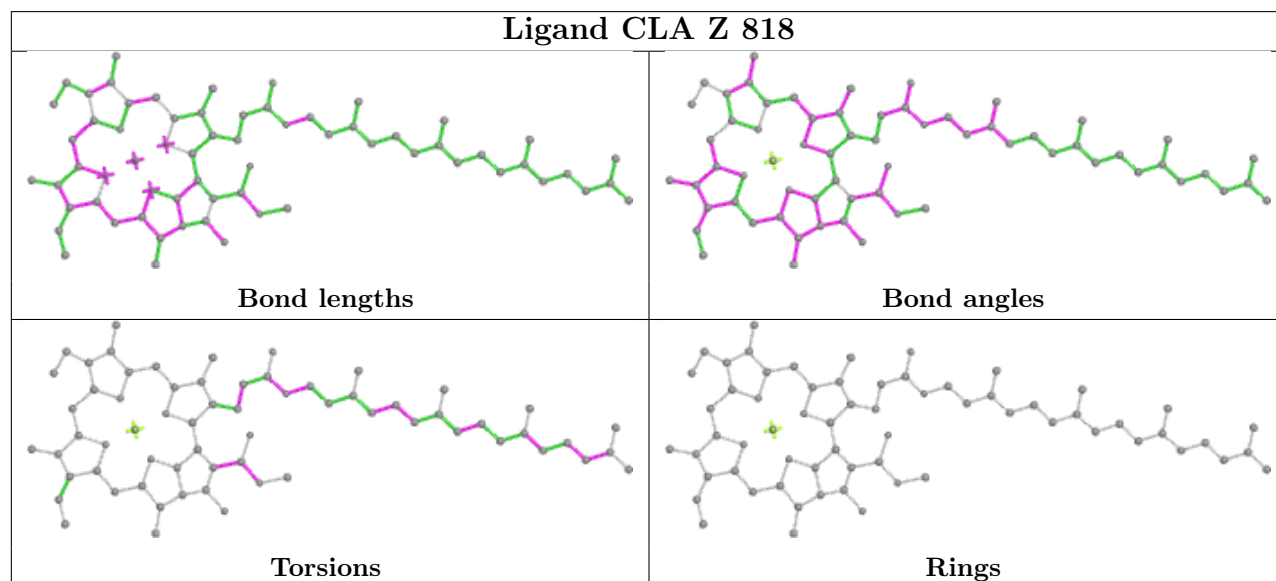
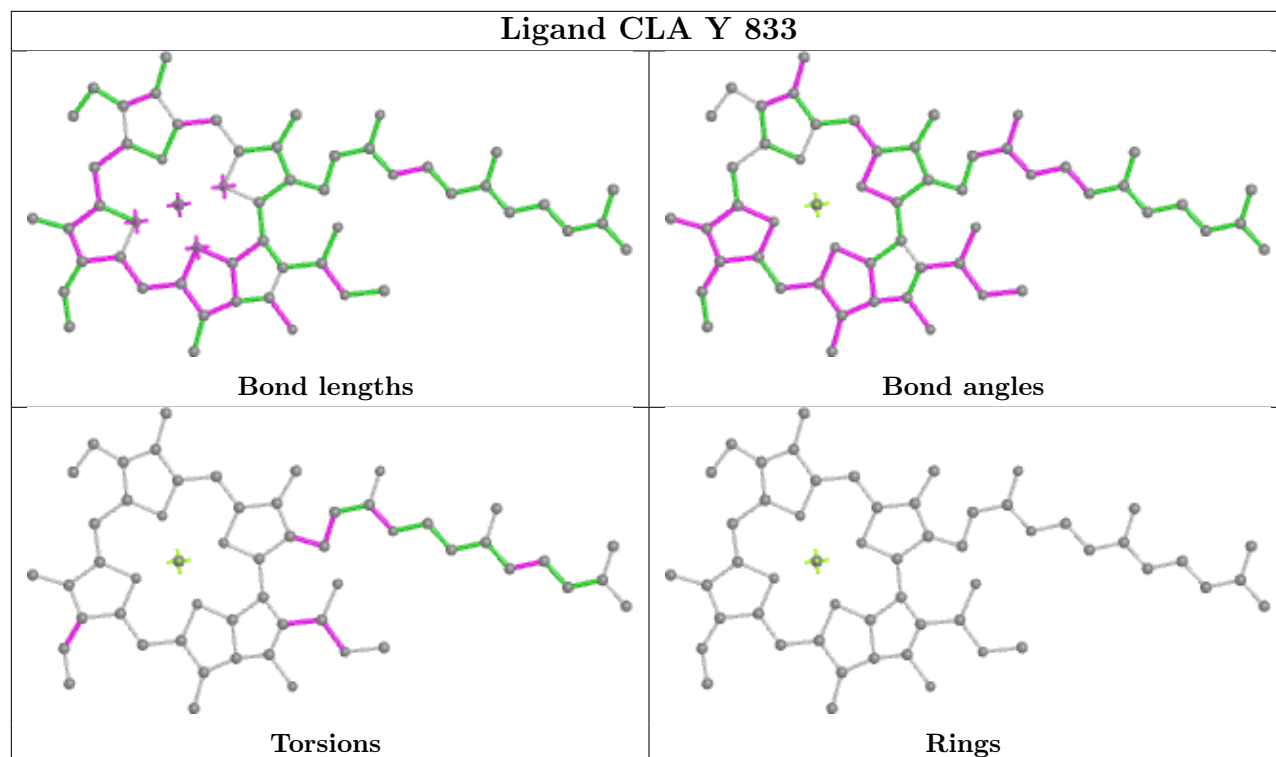
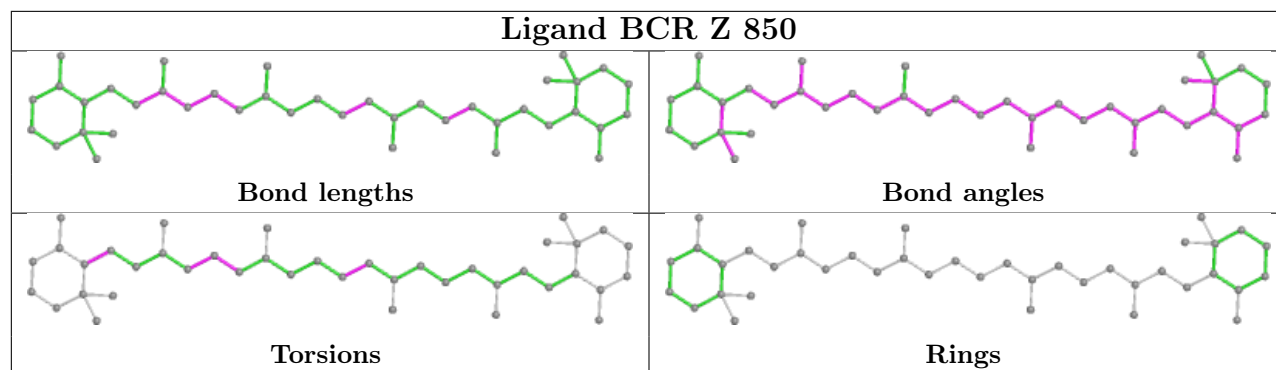


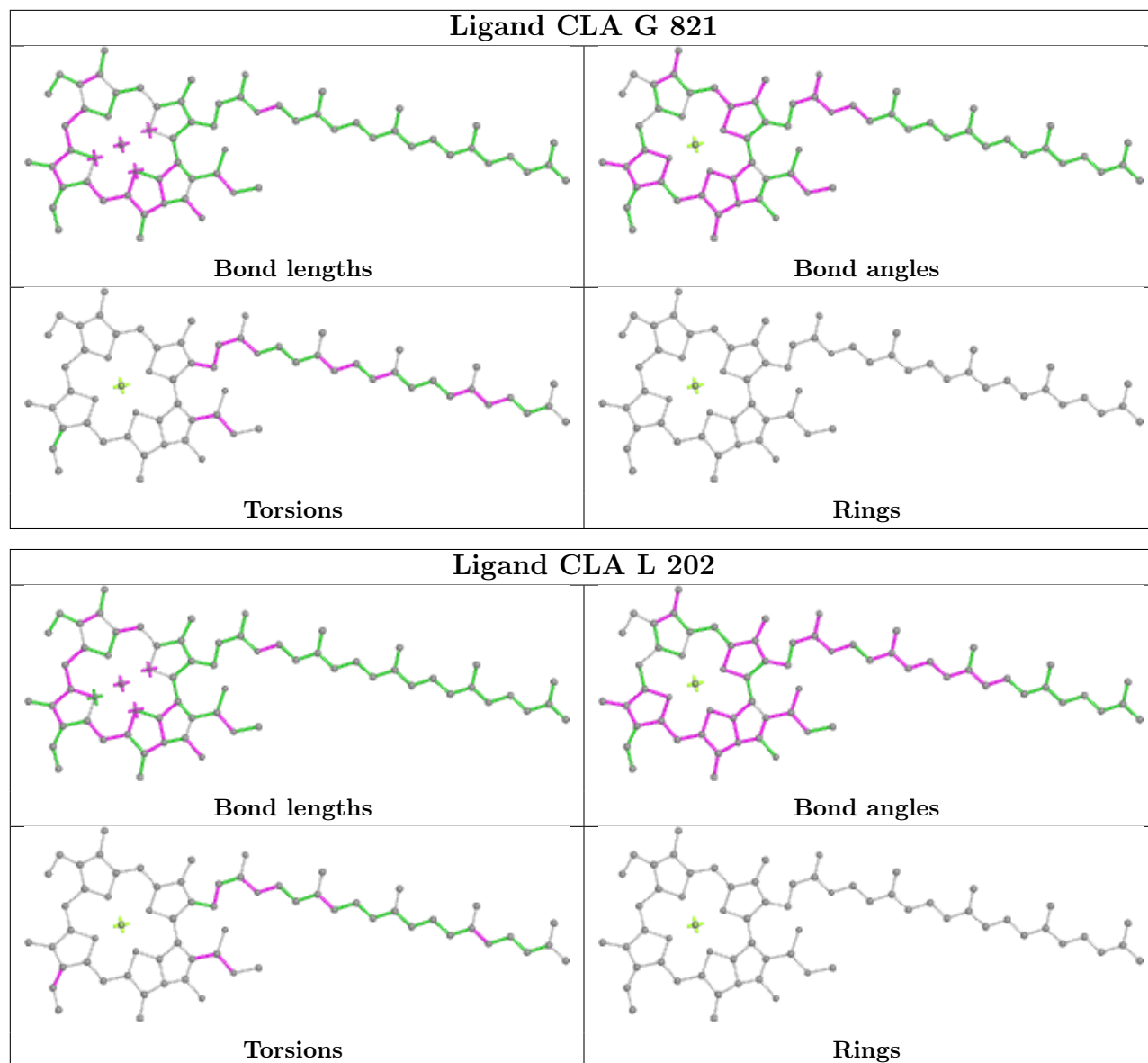


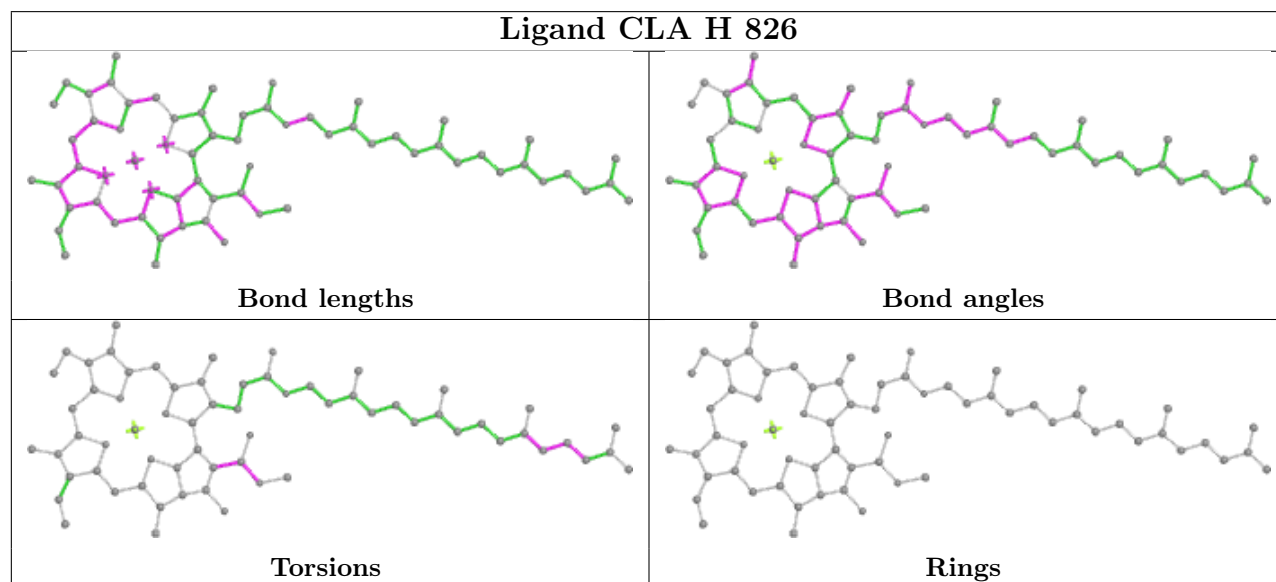
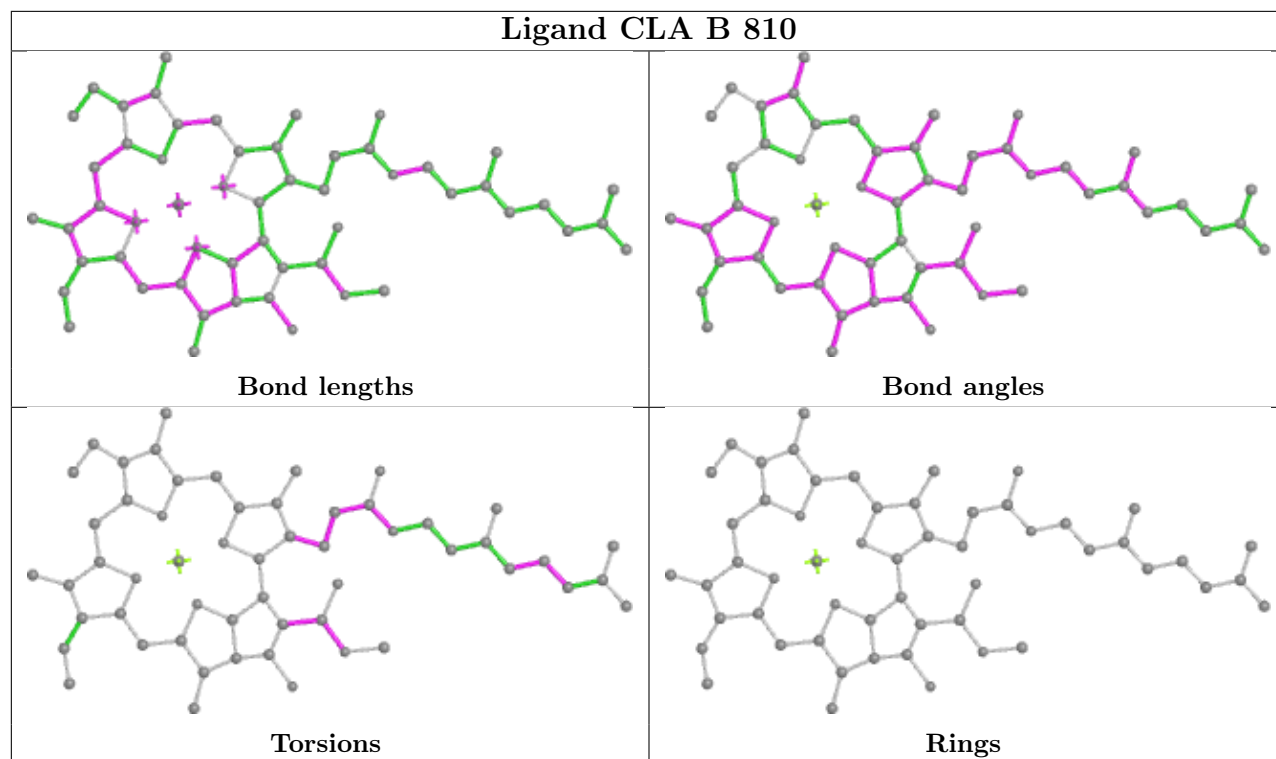


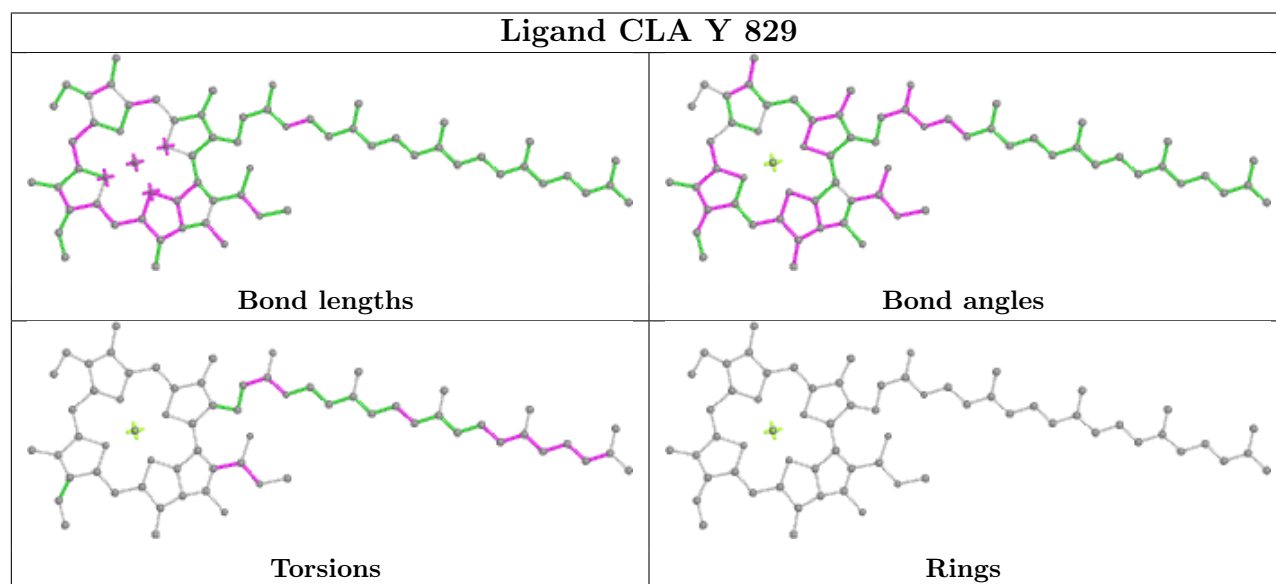
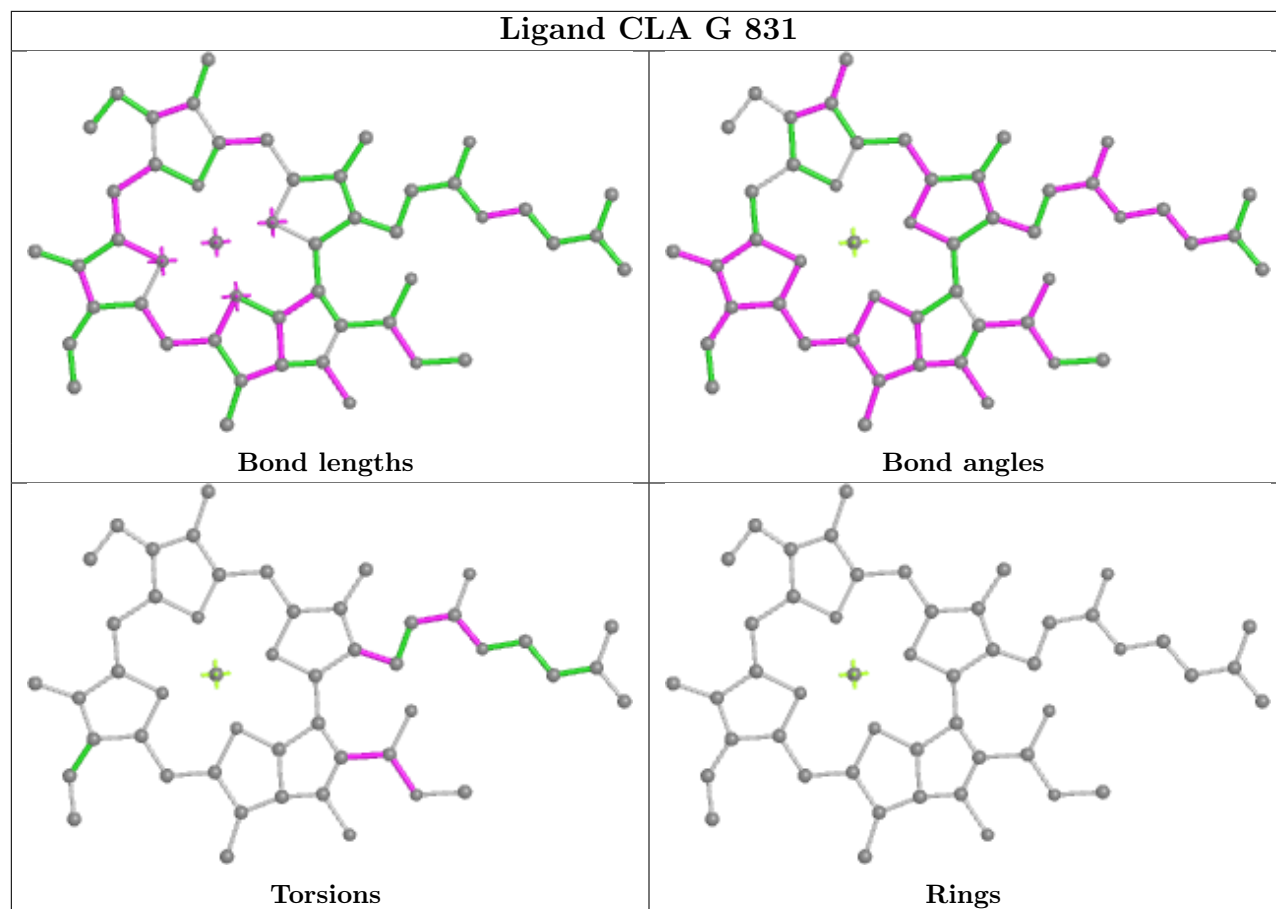


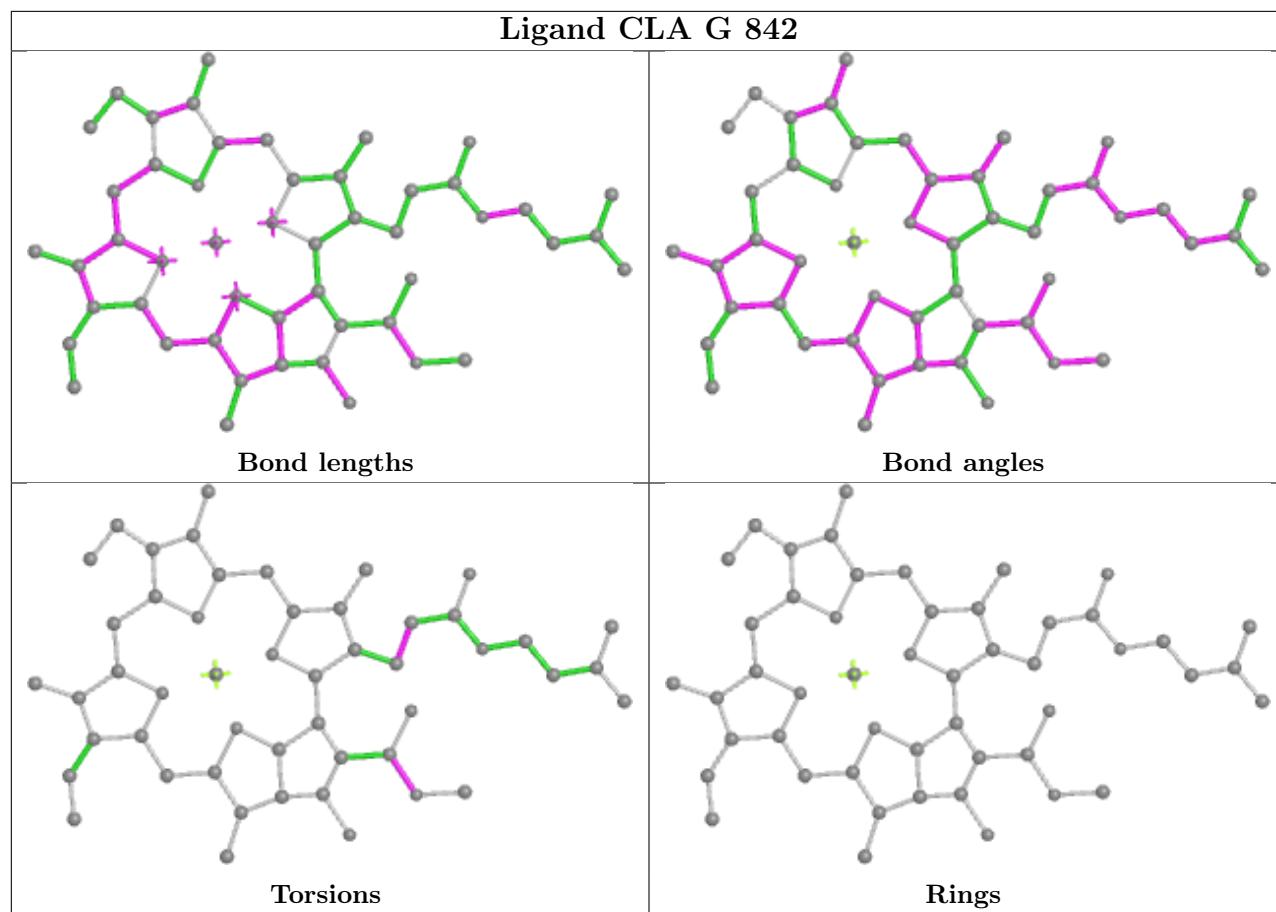




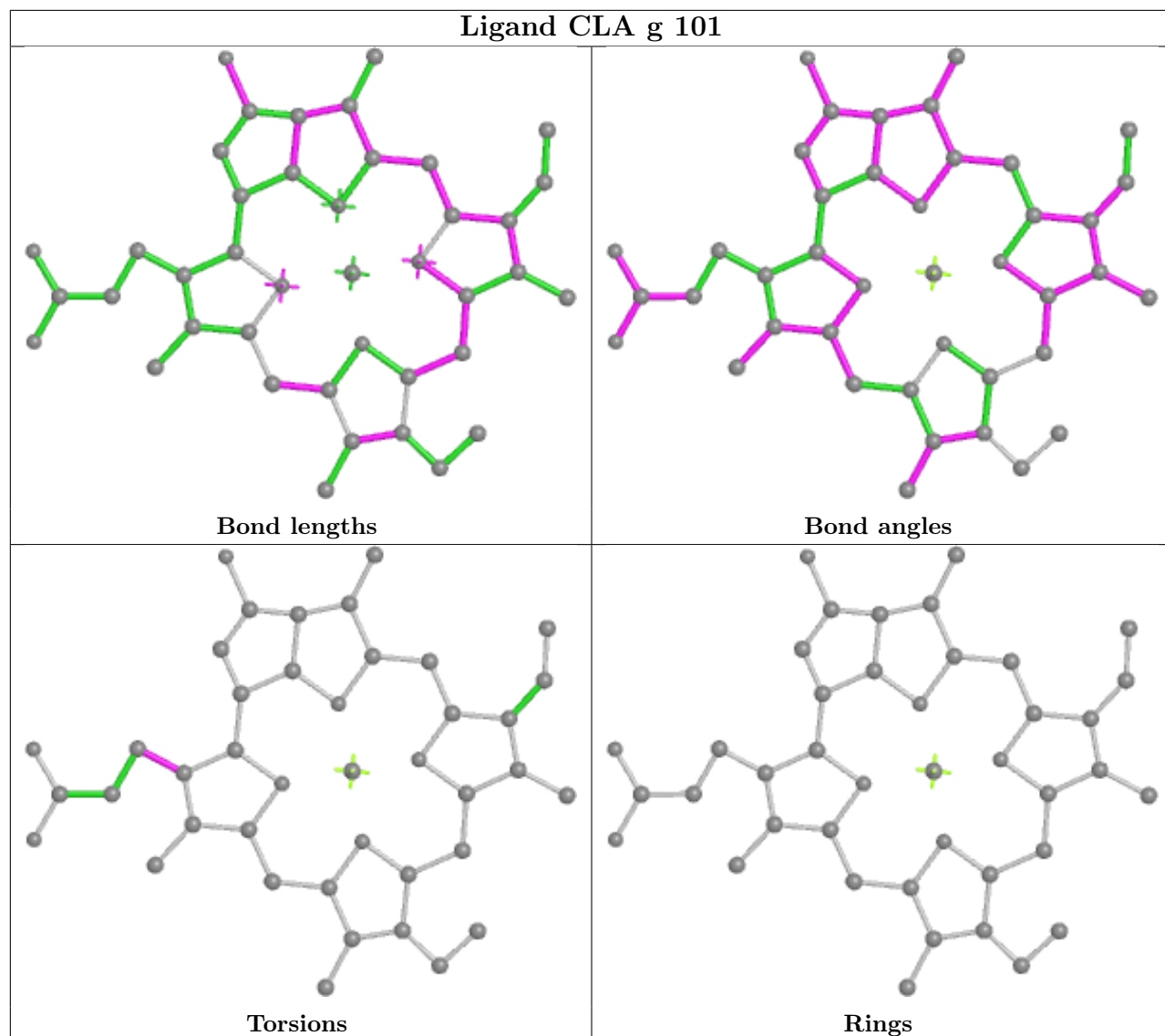


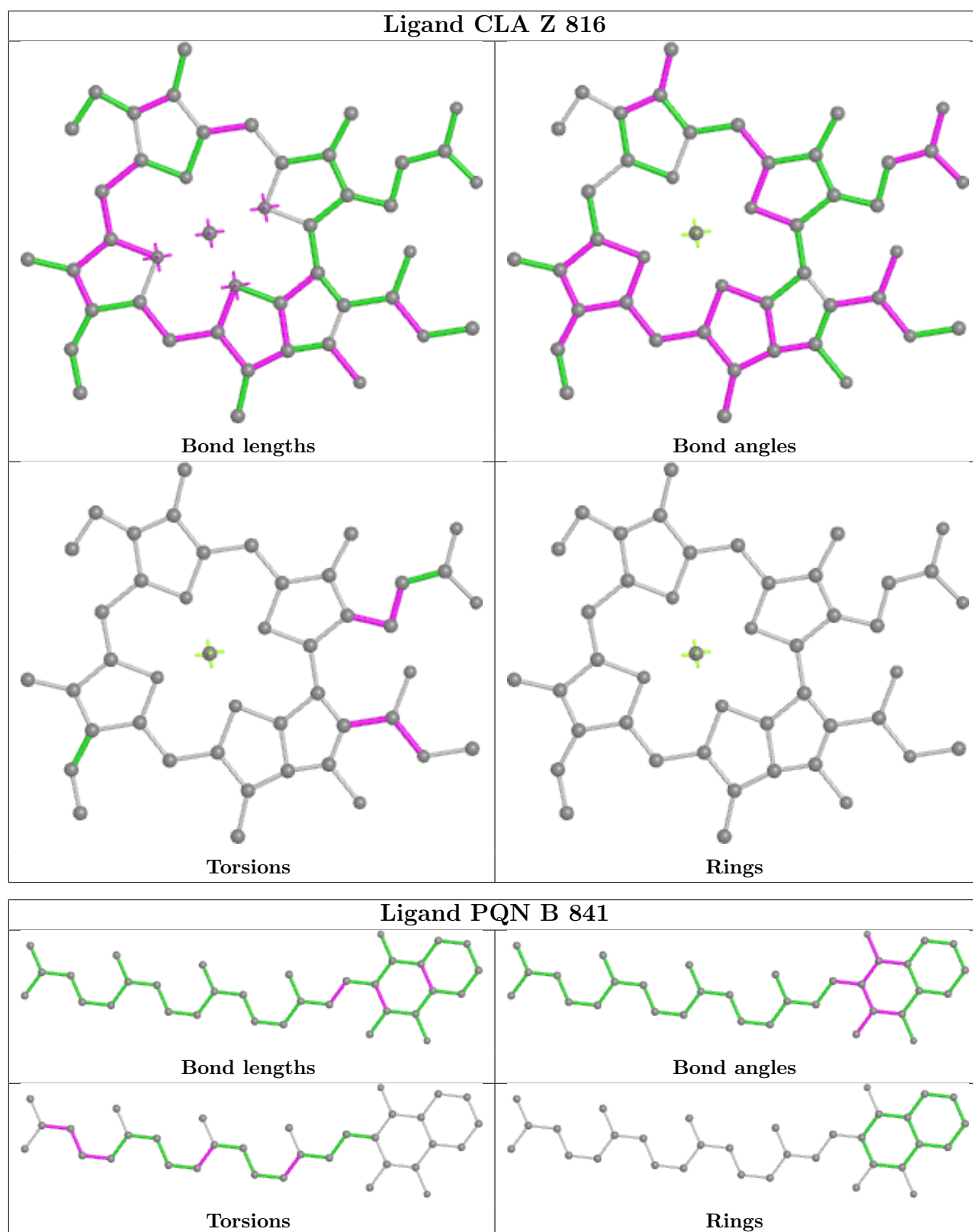


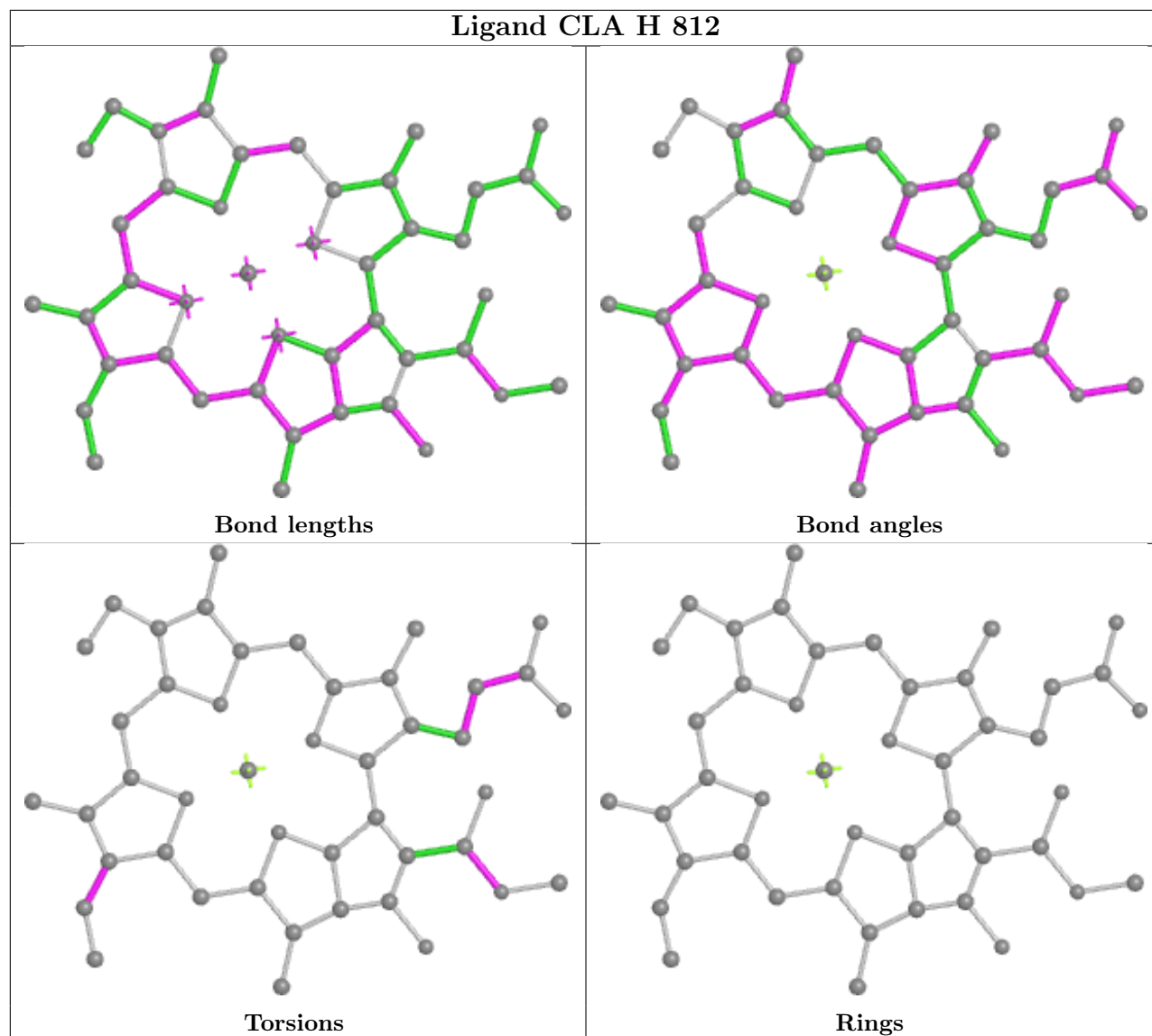




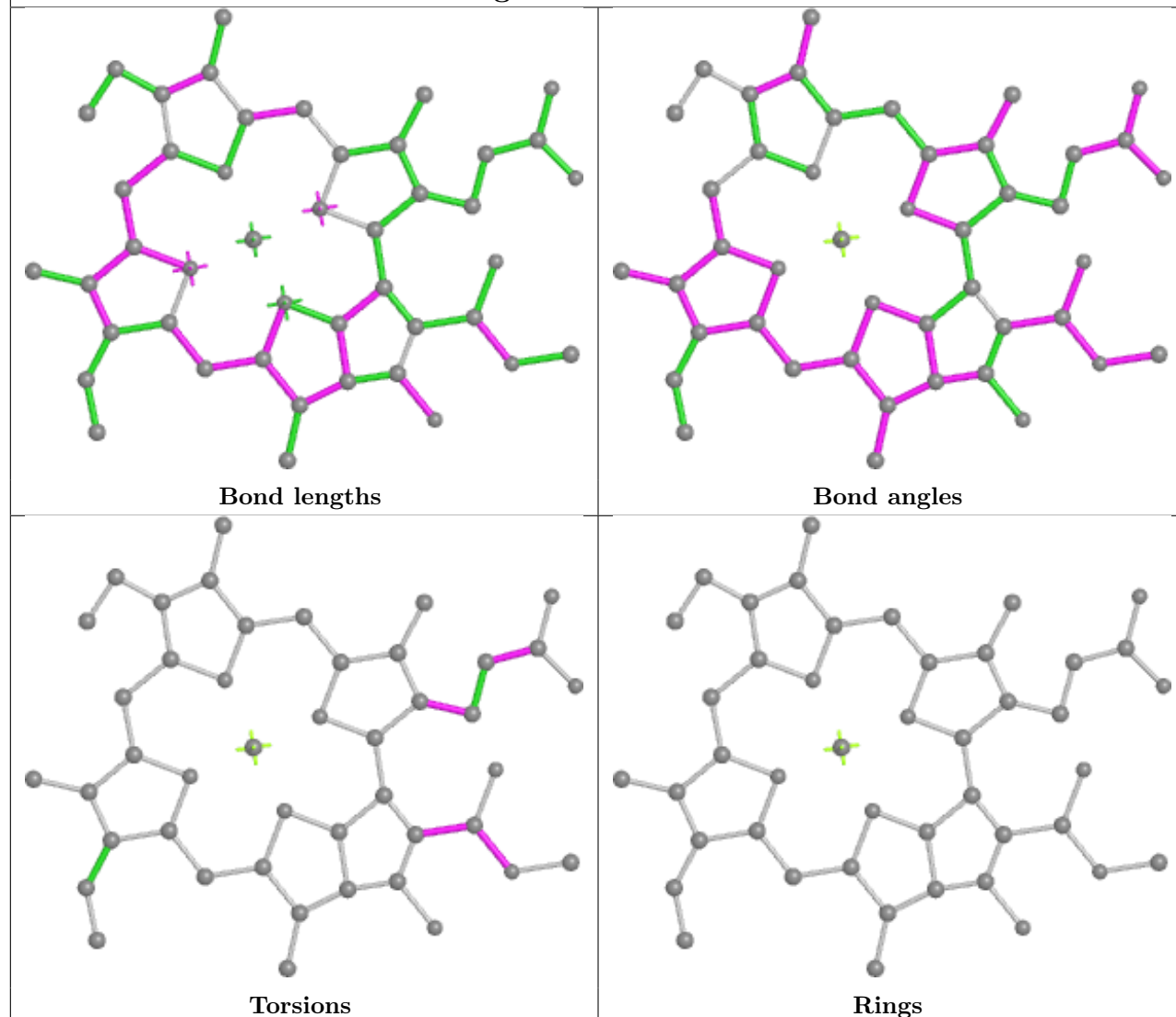




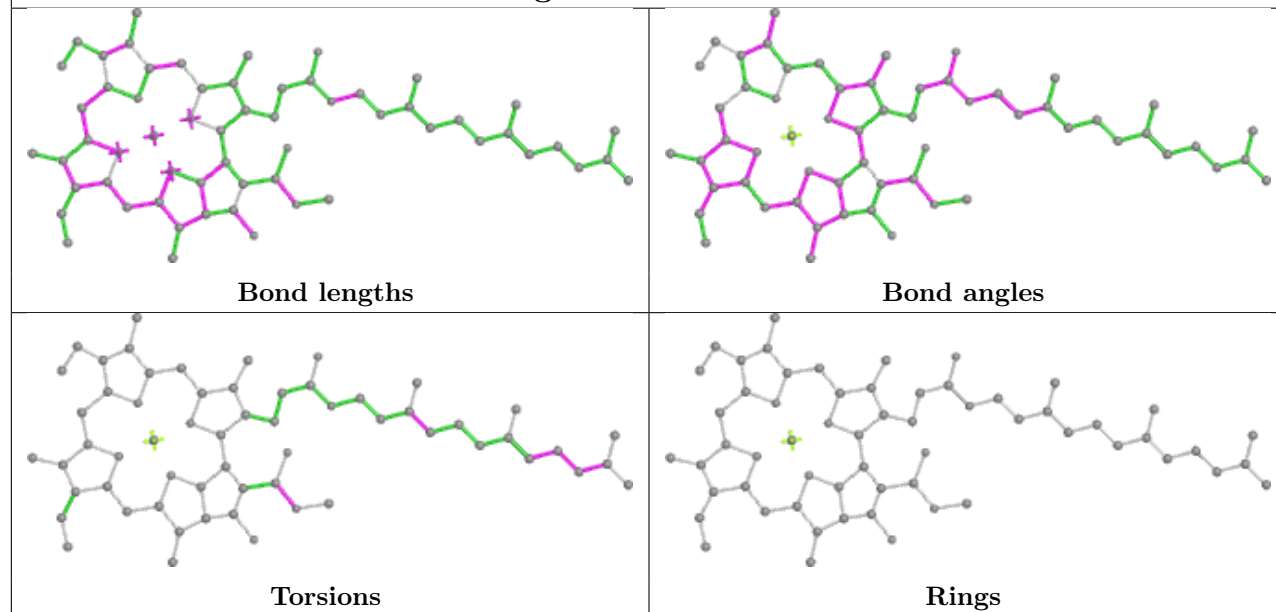


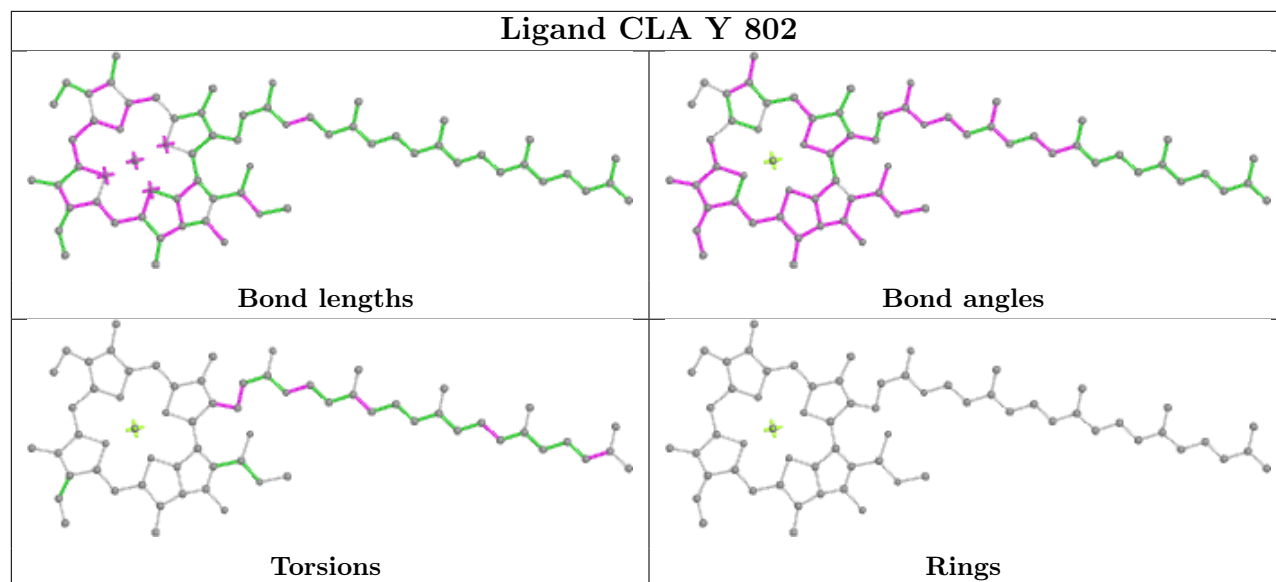


## Ligand CLA J 101



## Ligand CLA Z 824





## 5.7 Other polymers [i](#)

There are no such residues in this entry.

## 5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

## 6 Fit of model and data [i](#)

### 6.1 Protein, DNA and RNA chains [i](#)

Unable to reproduce the depositors R factor - this section is therefore empty.

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

Unable to reproduce the depositors R factor - this section is therefore empty.

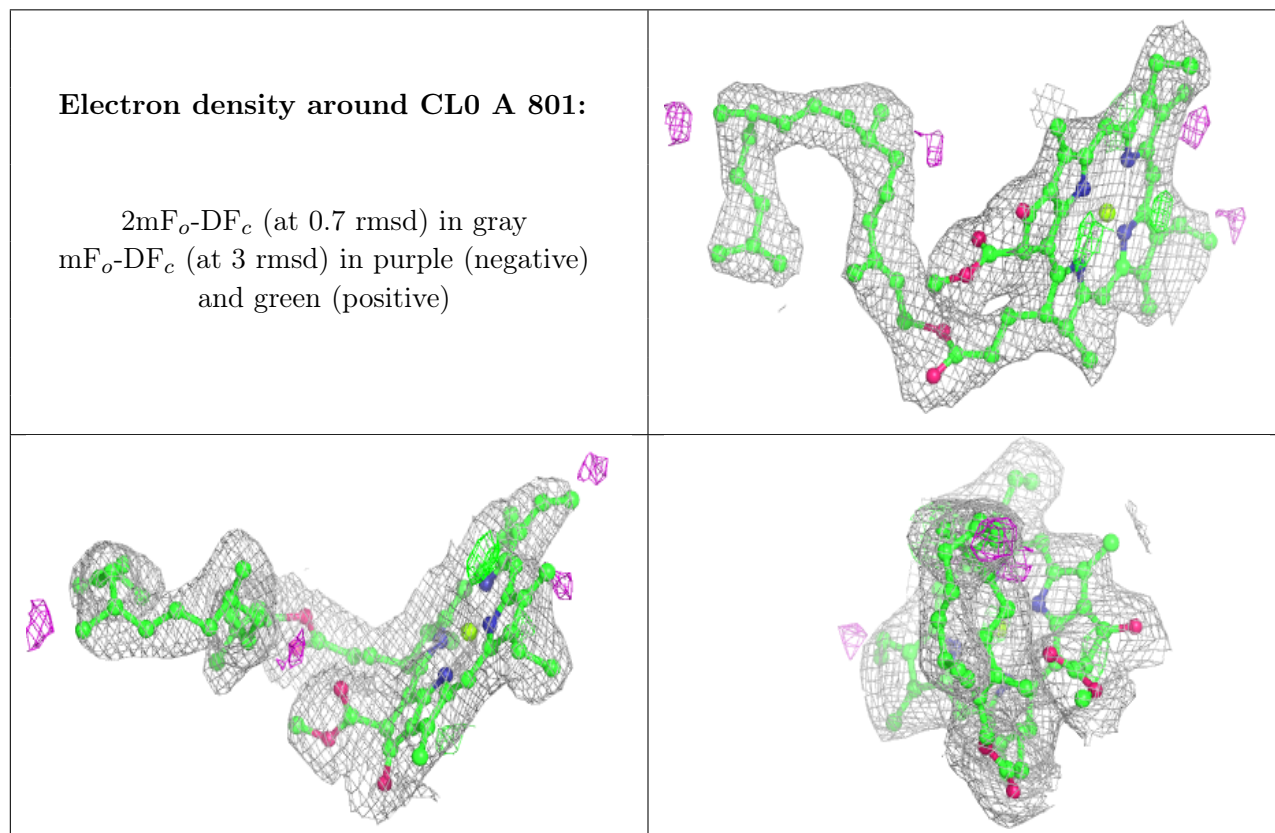
### 6.3 Carbohydrates [i](#)

Unable to reproduce the depositors R factor - this section is therefore empty.

### 6.4 Ligands [i](#)

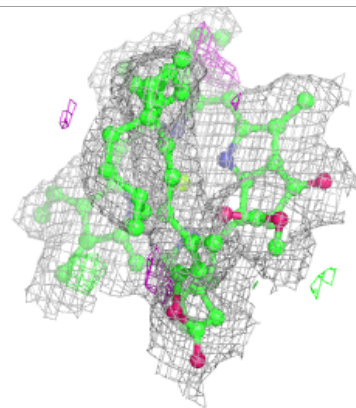
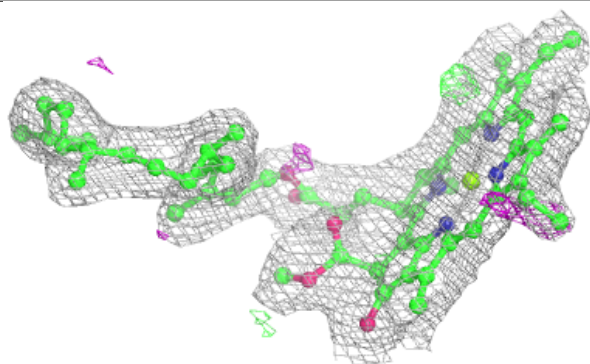
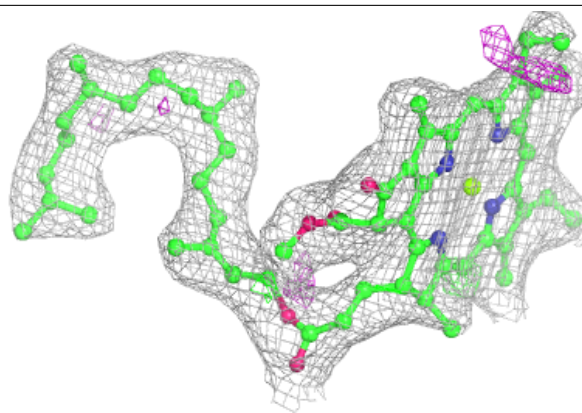
Unable to reproduce the depositors R factor - this section is therefore empty.

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.

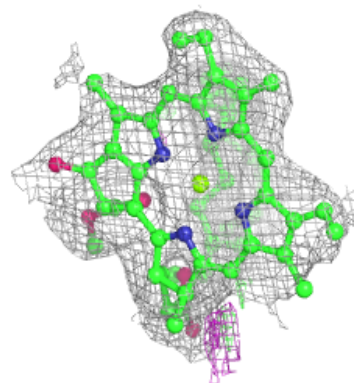
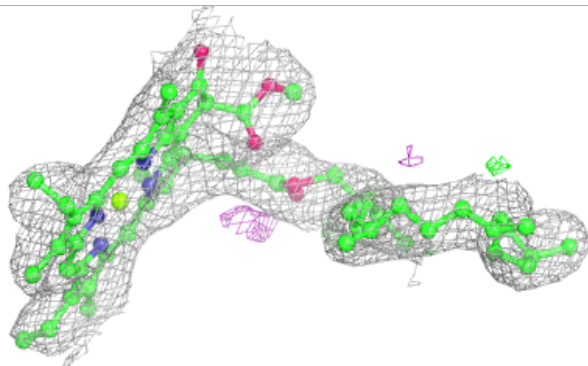
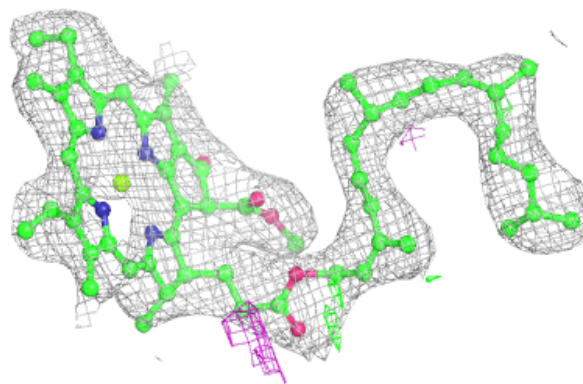


**Electron density around CL0 G 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CL0 Y 801:**

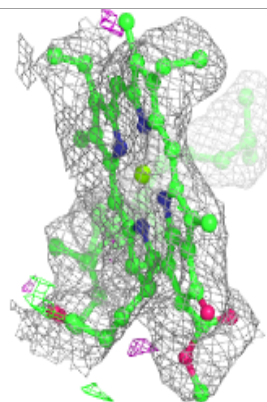
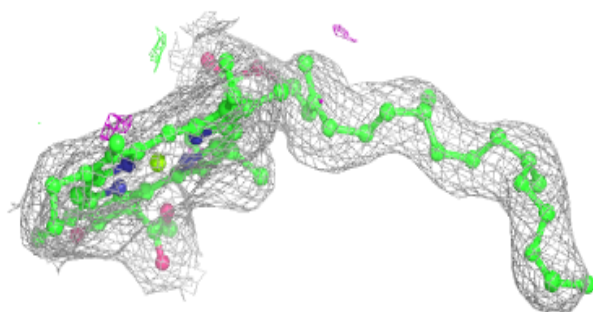
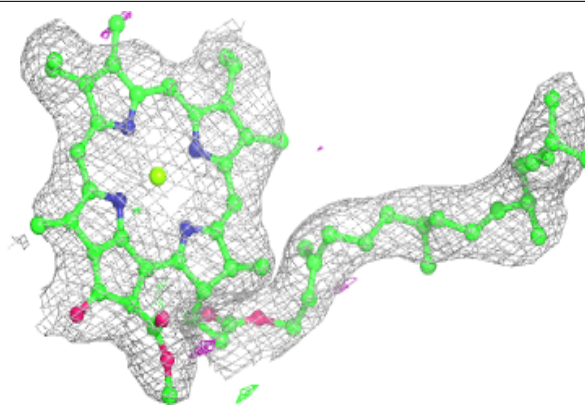
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



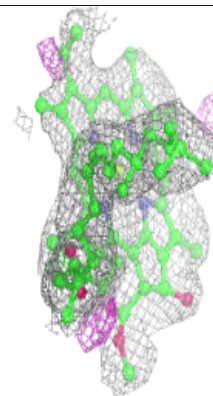
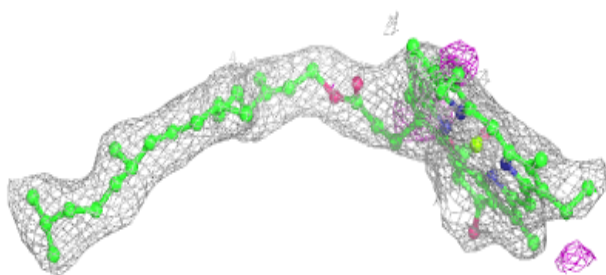
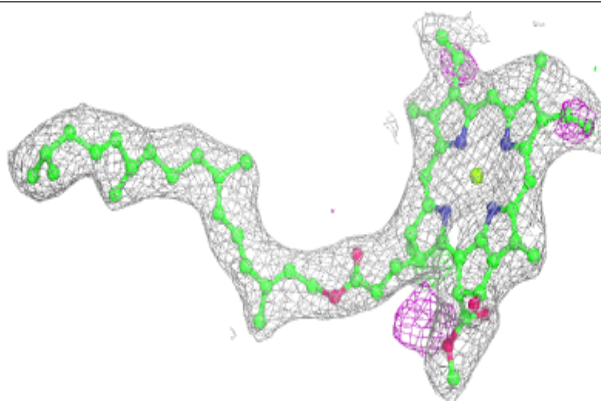


**Electron density around CLA A 802:**

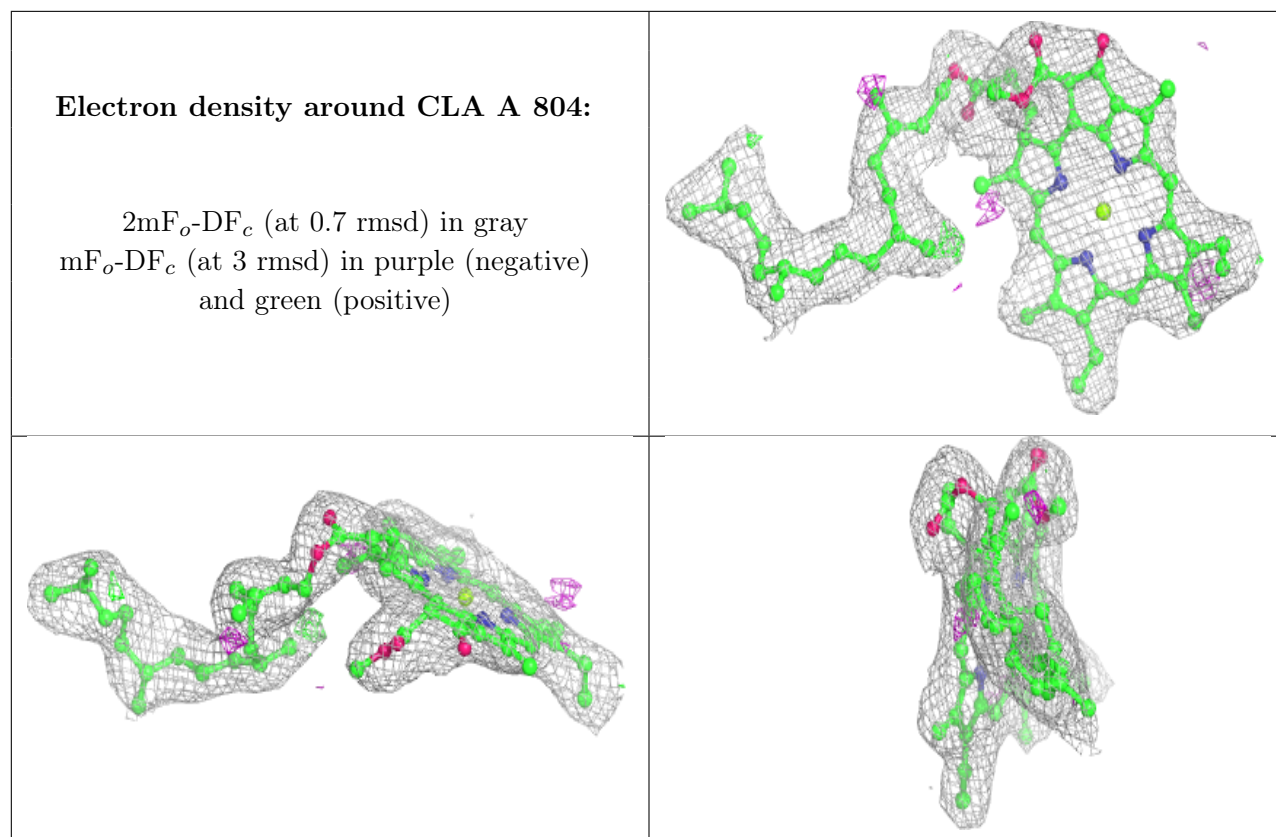
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

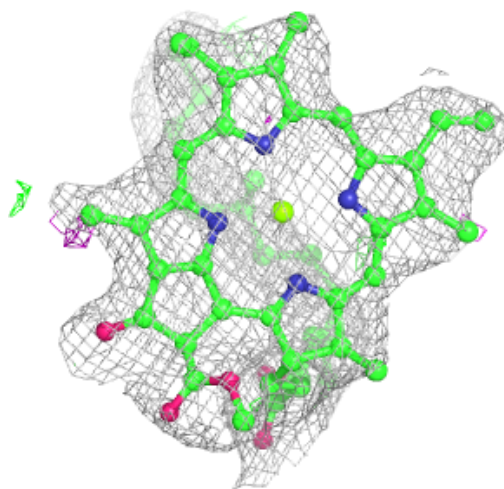
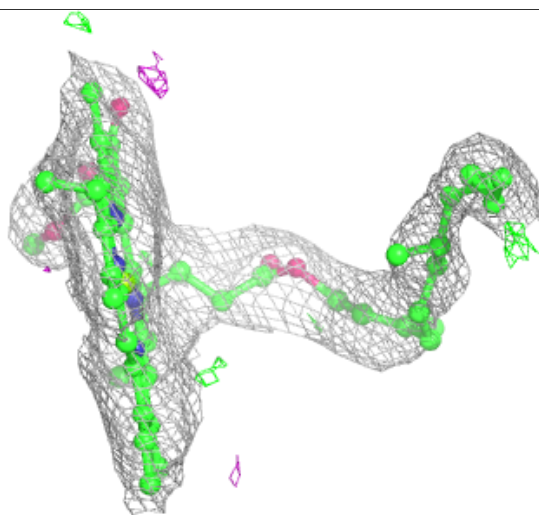
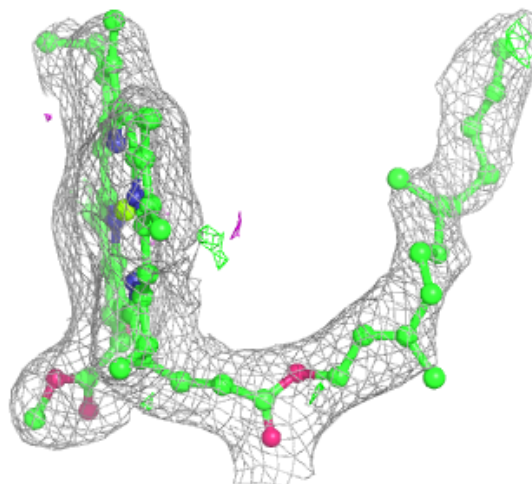






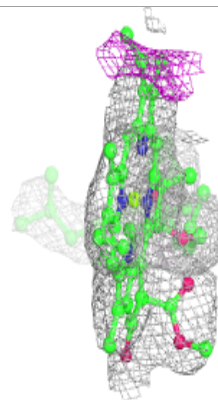
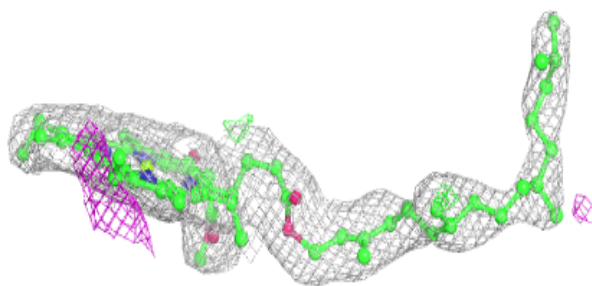
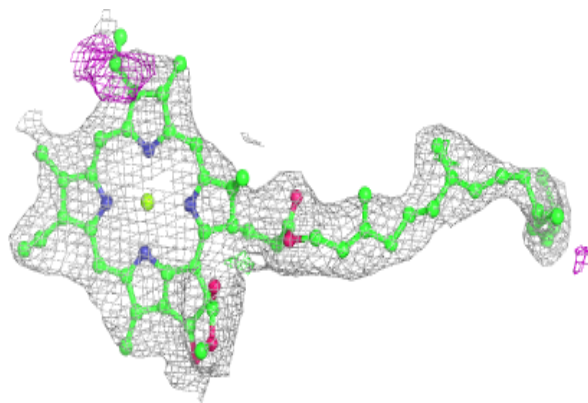
**Electron density around CLA A 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

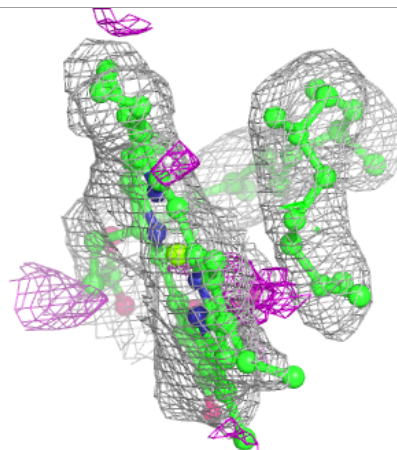
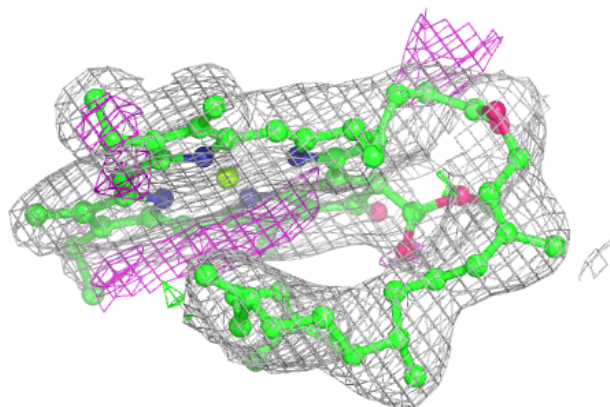
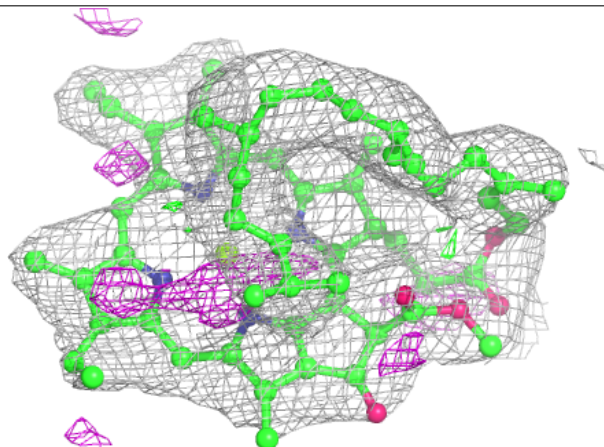


**Electron density around CLA A 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

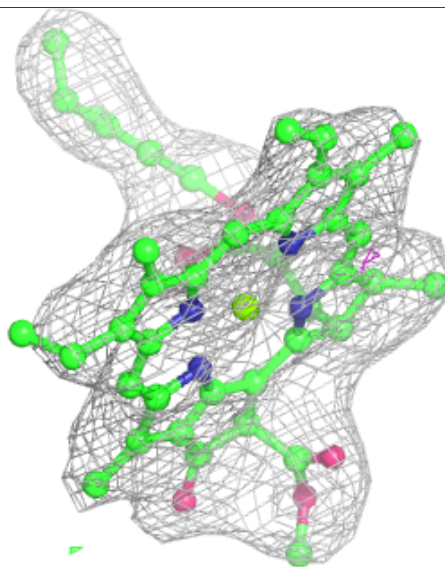
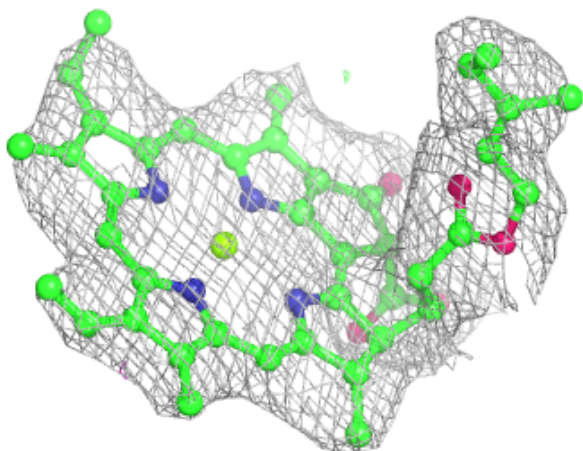
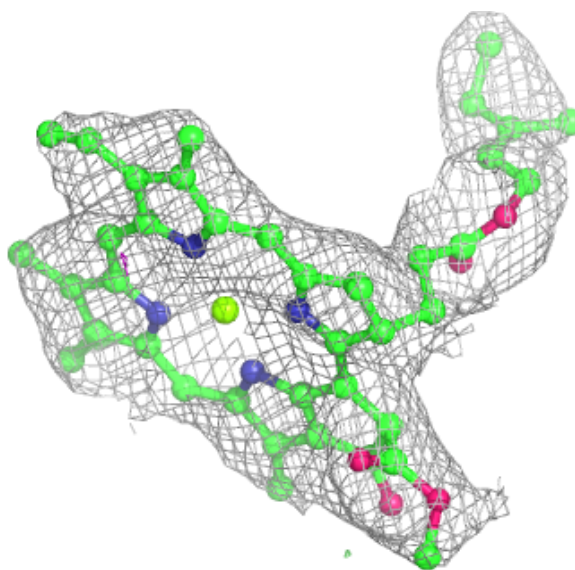
**Electron density around CLA A 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A 808:**

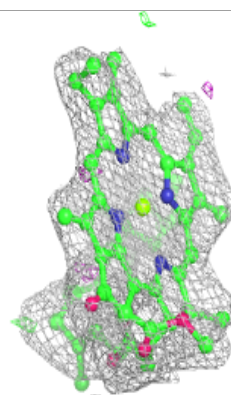
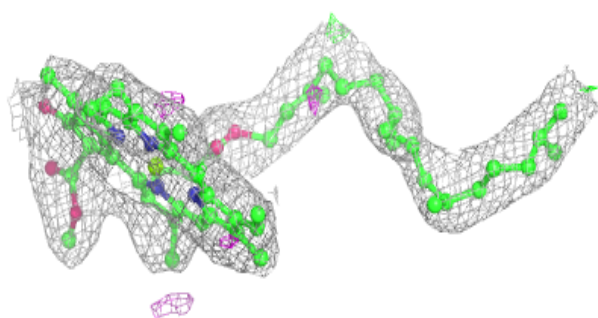
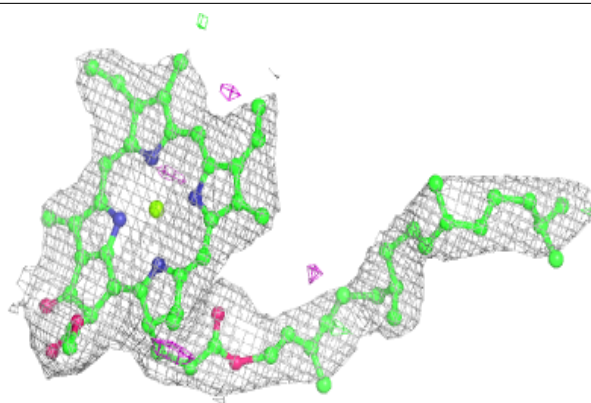
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



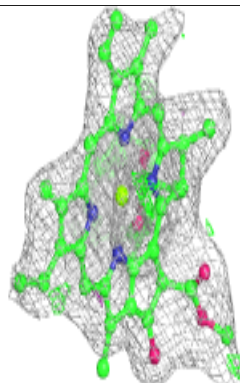
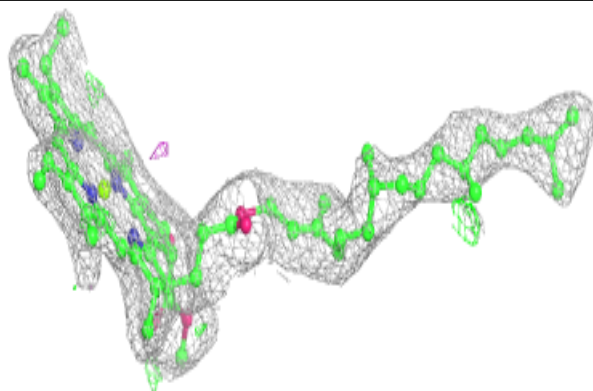
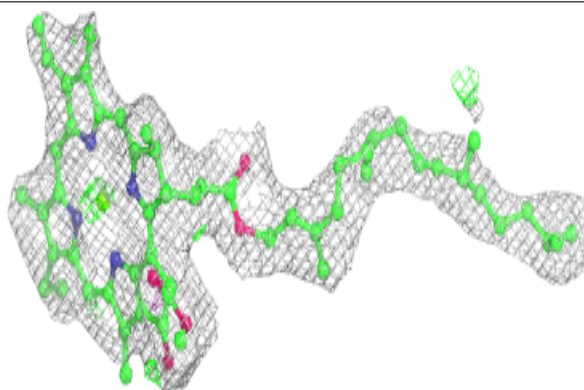


**Electron density around CLA A 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

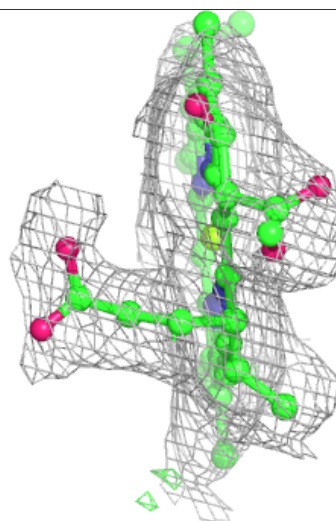
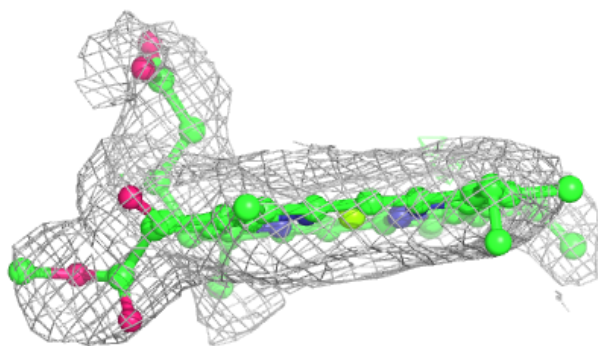
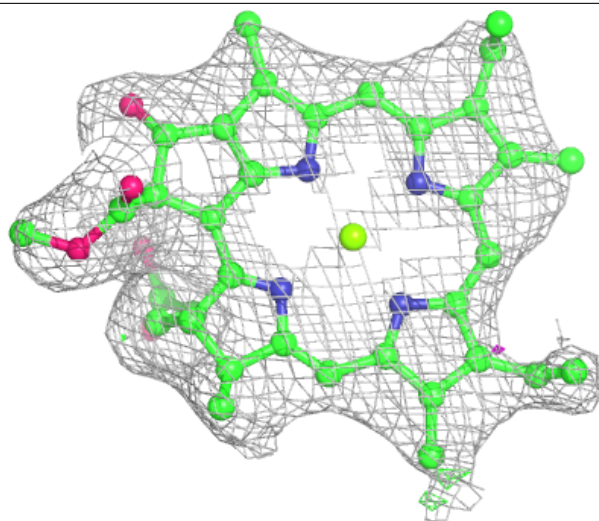
**Electron density around CLA A 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



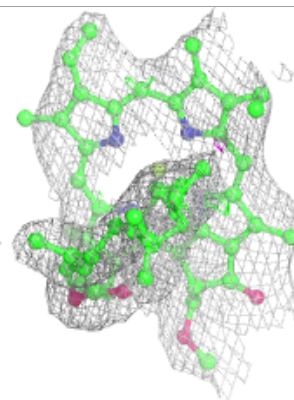
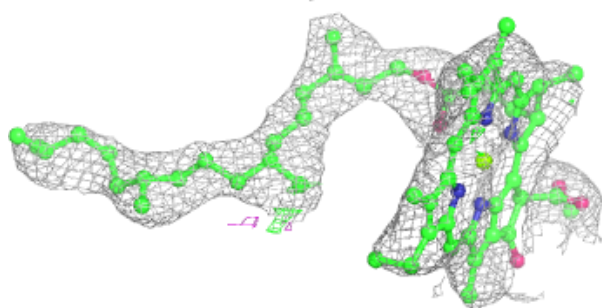
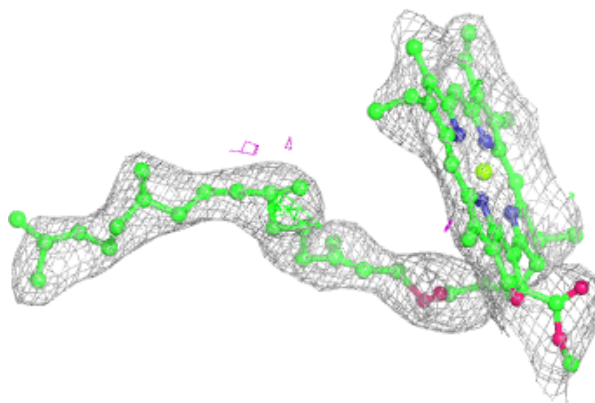
**Electron density around CLA A 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

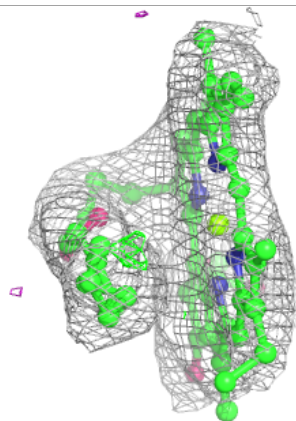
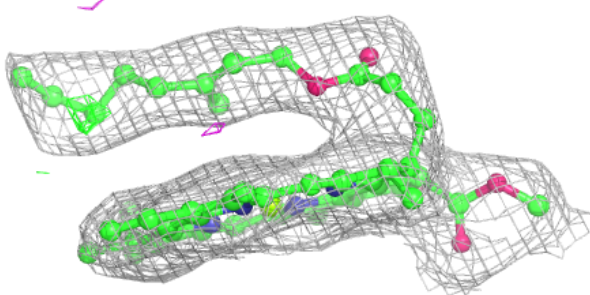
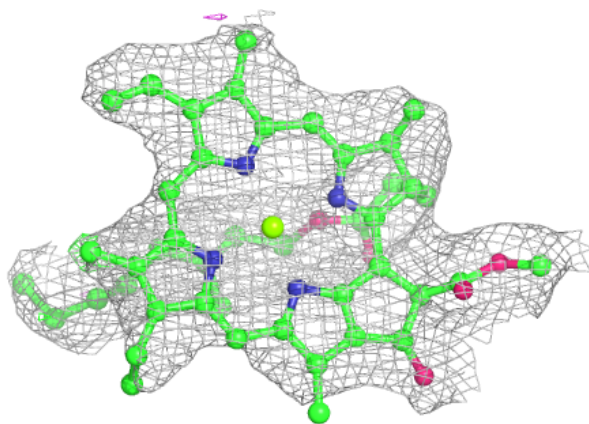


**Electron density around CLA A 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

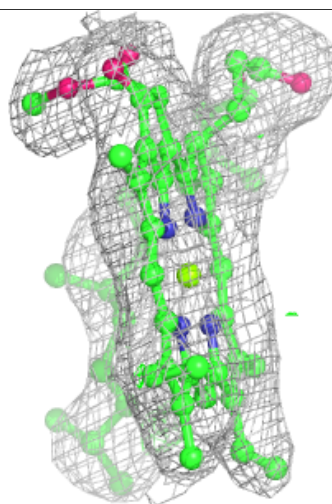
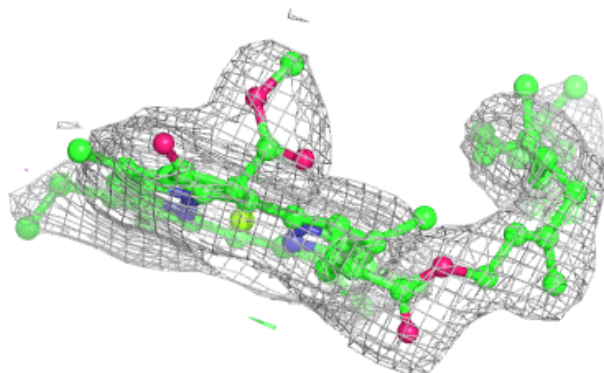
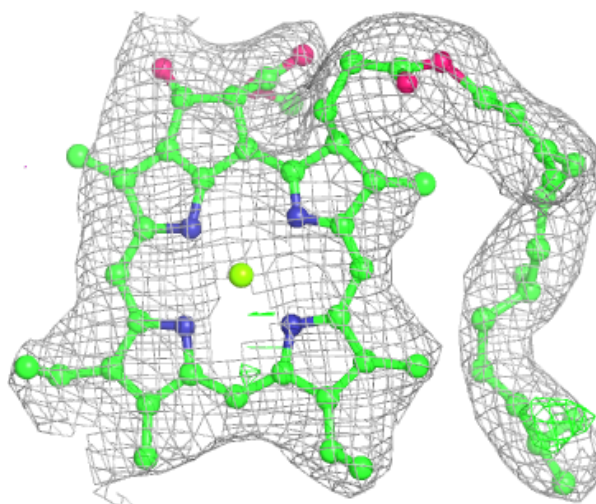
**Electron density around CLA A 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A 814:**

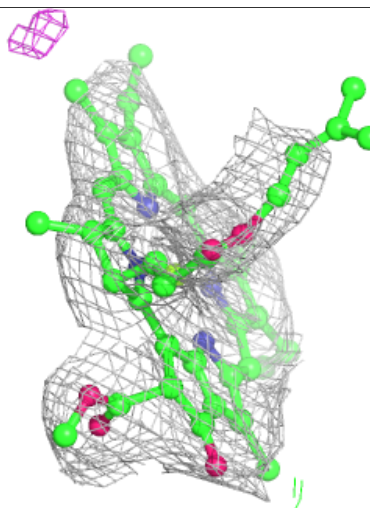
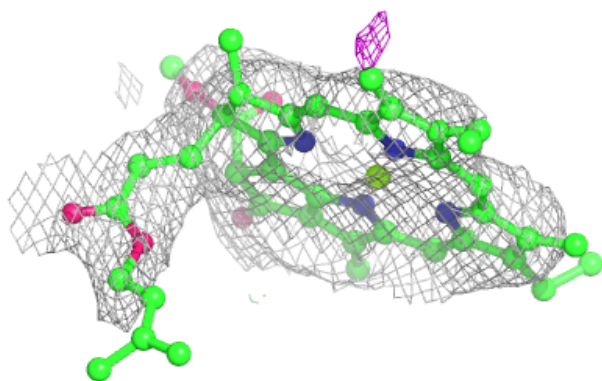
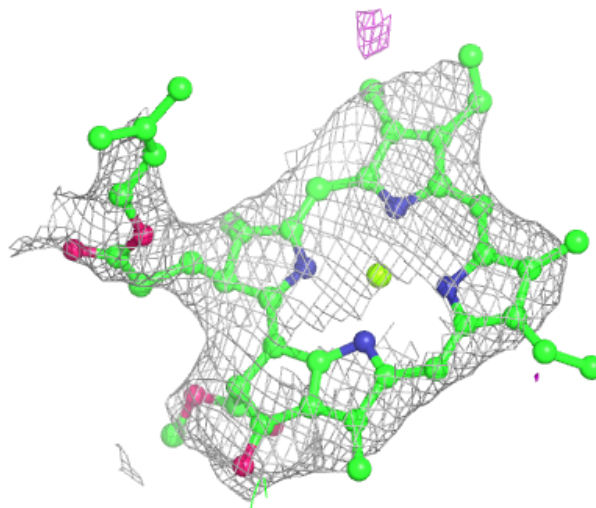
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





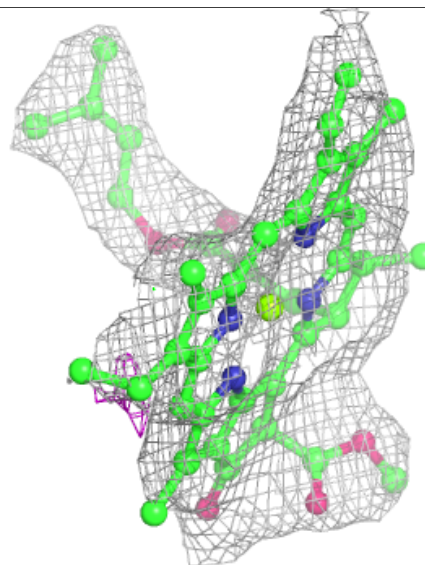
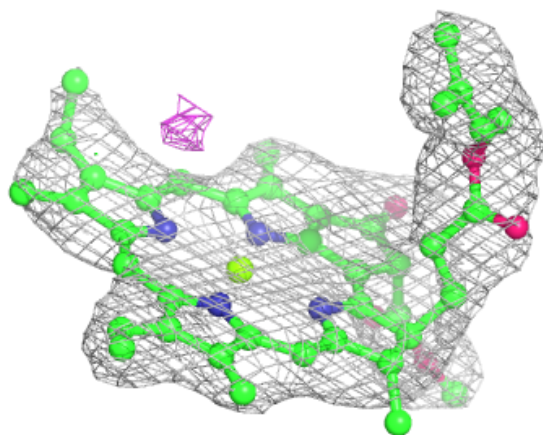
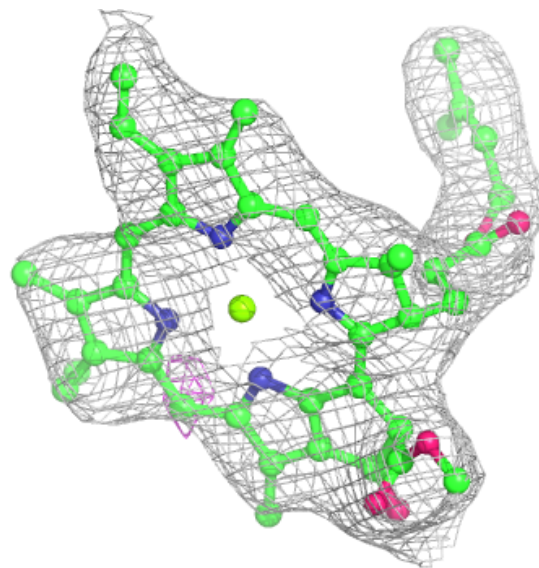
**Electron density around CLA A 815:**

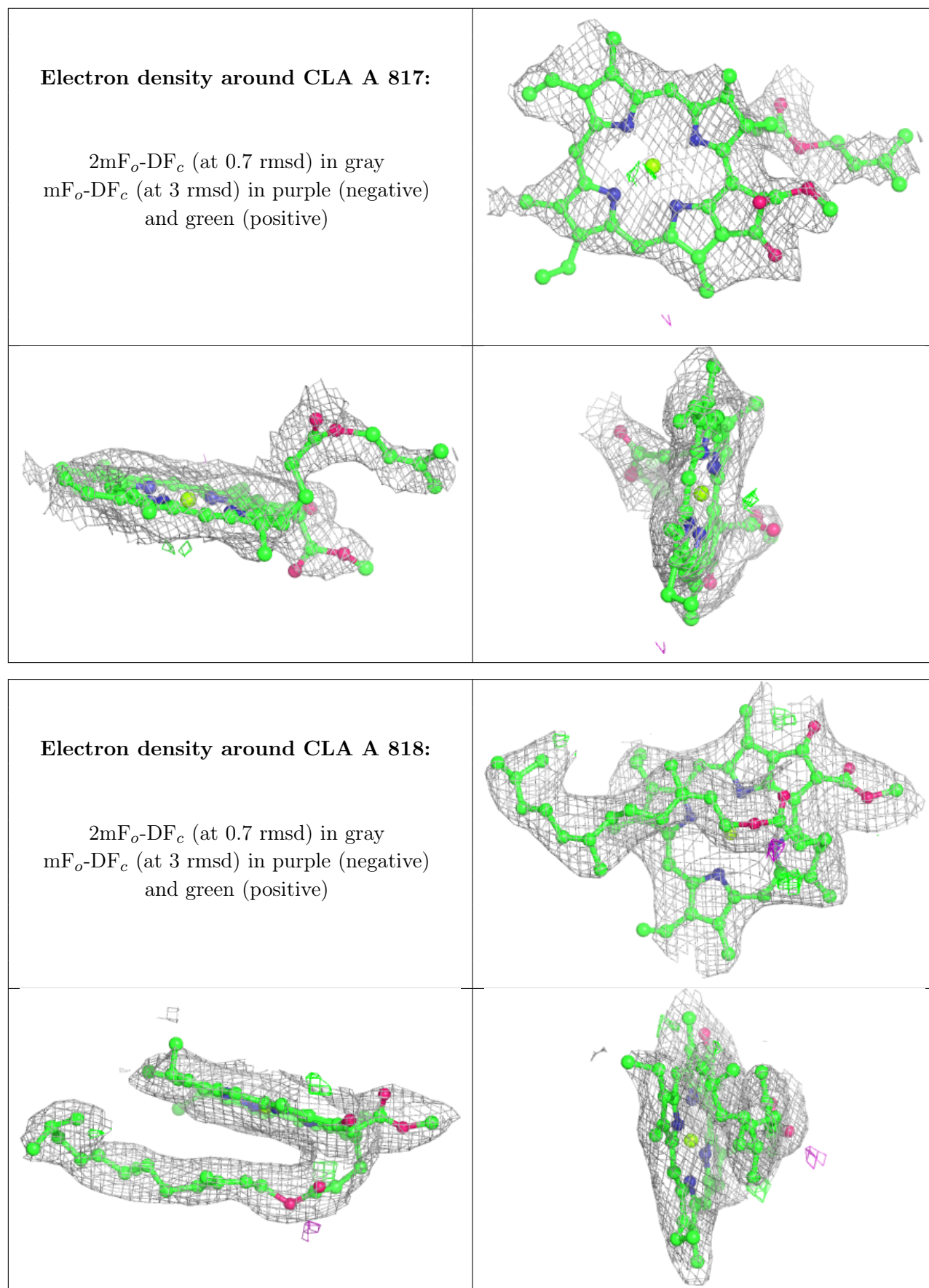
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

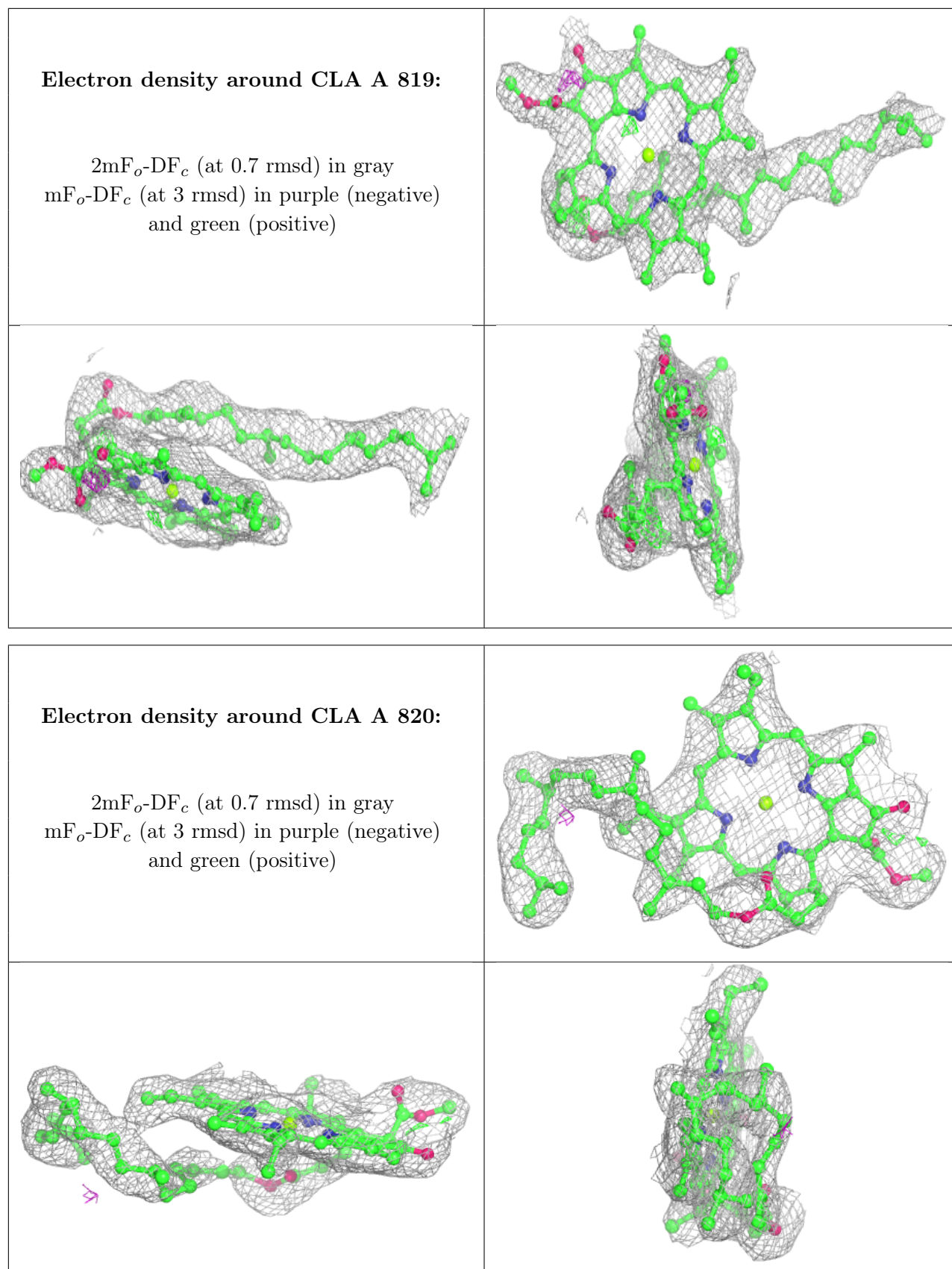


**Electron density around CLA A 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



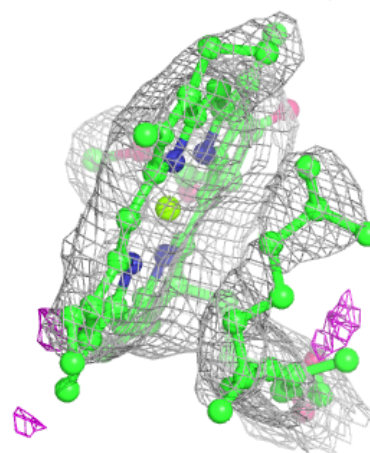
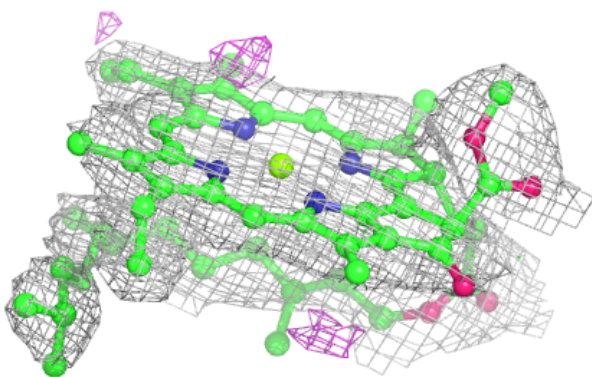
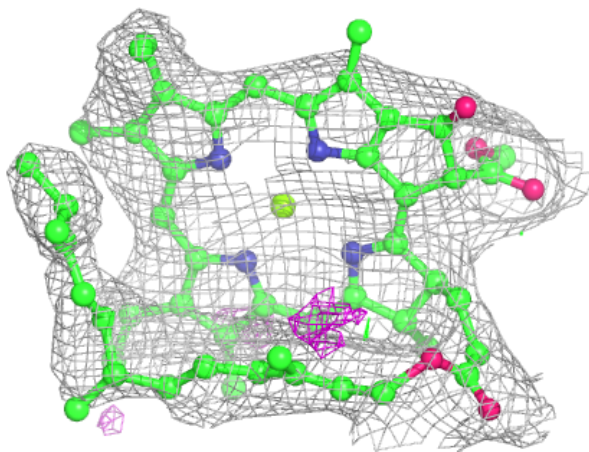


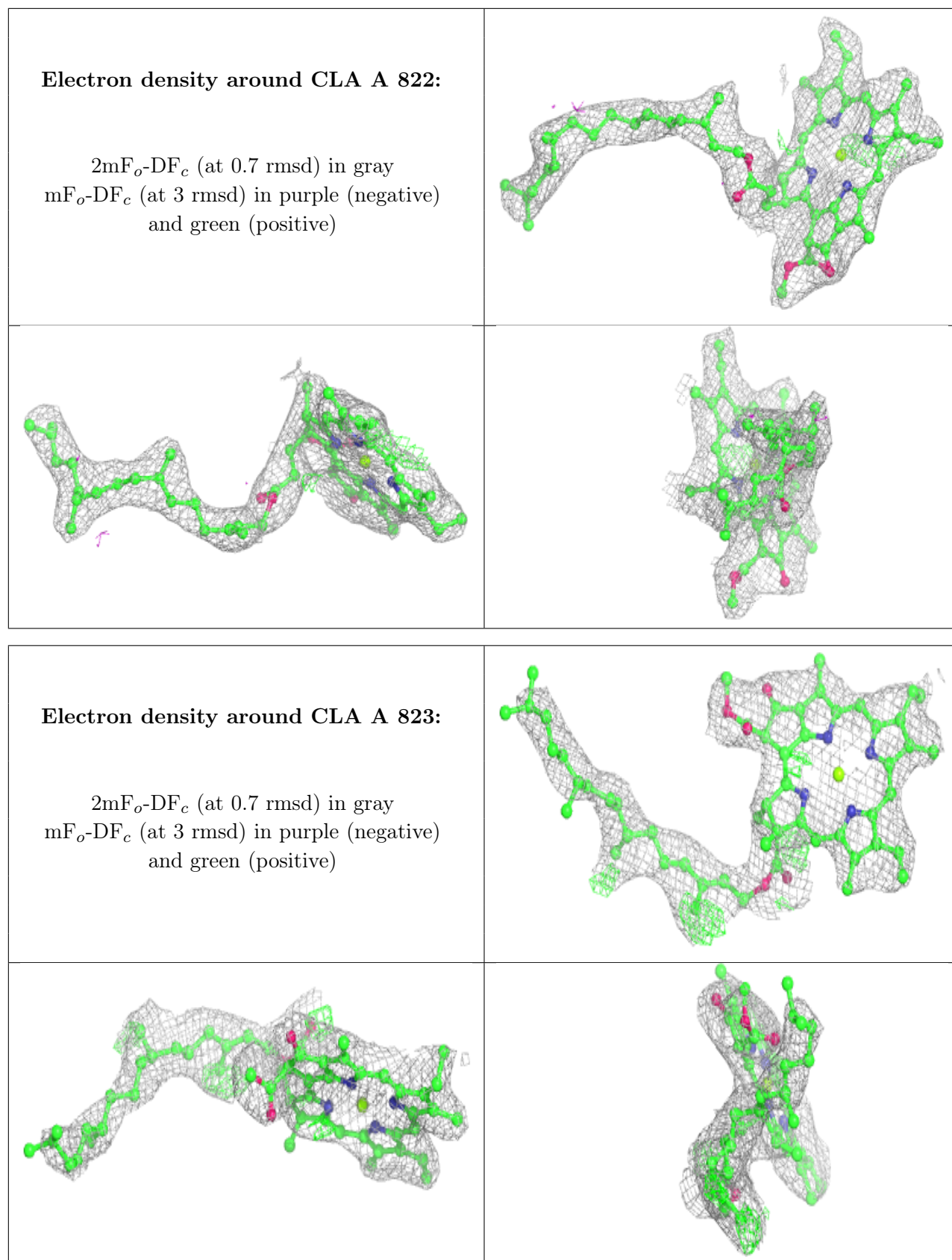




**Electron density around CLA A 821:**

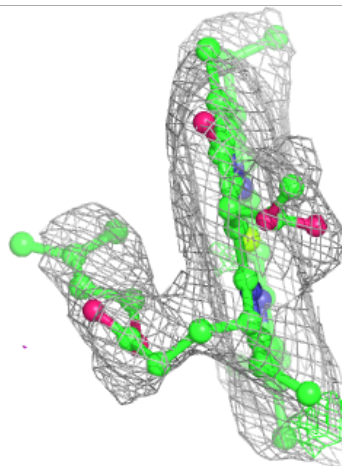
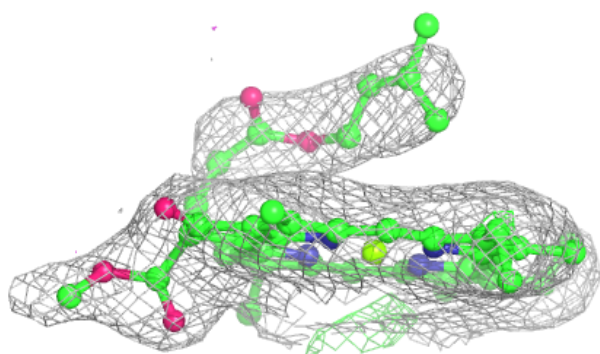
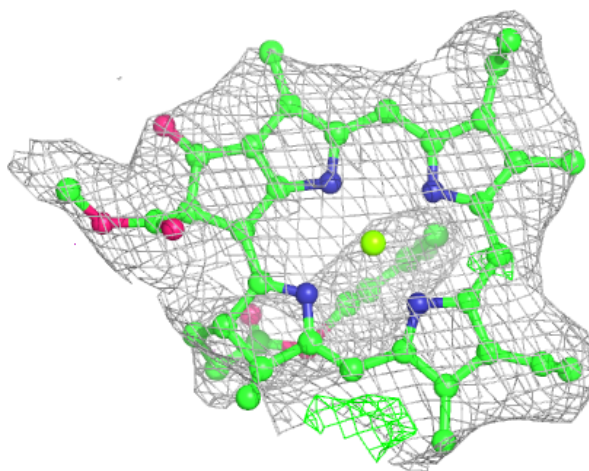
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





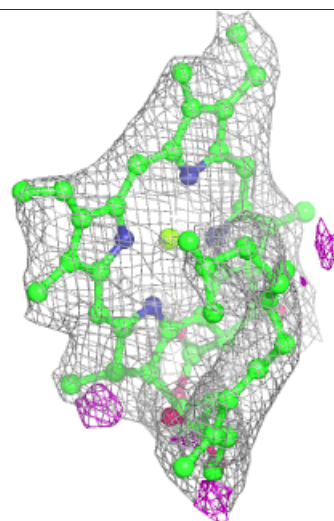
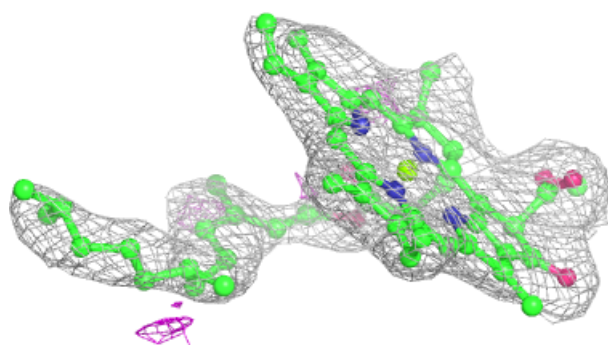
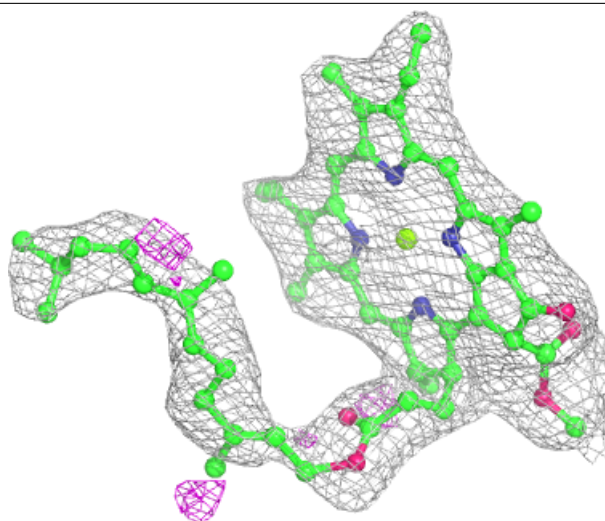
**Electron density around CLA A 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A 825:**

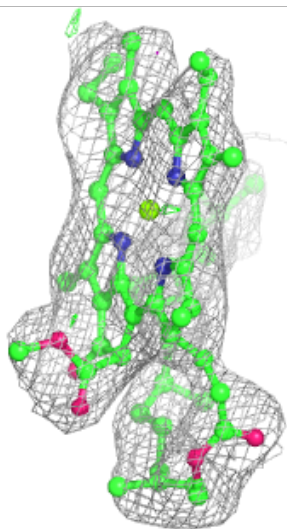
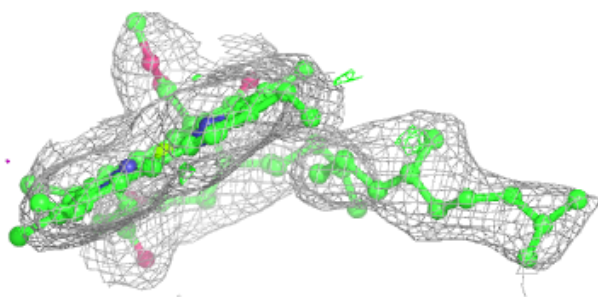
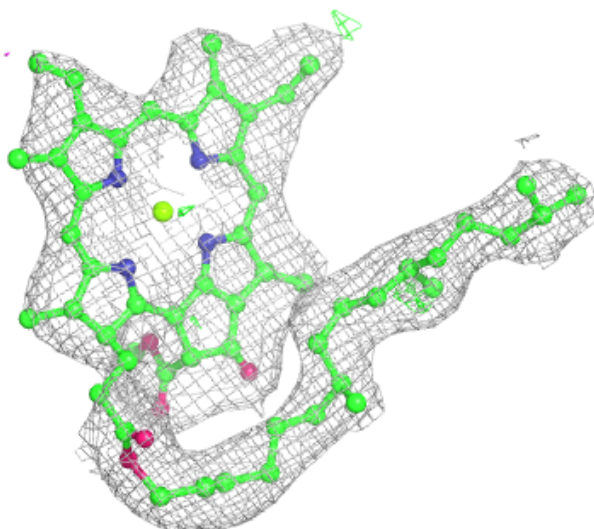
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





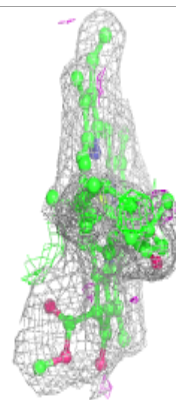
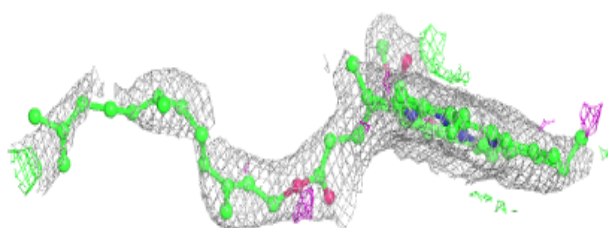
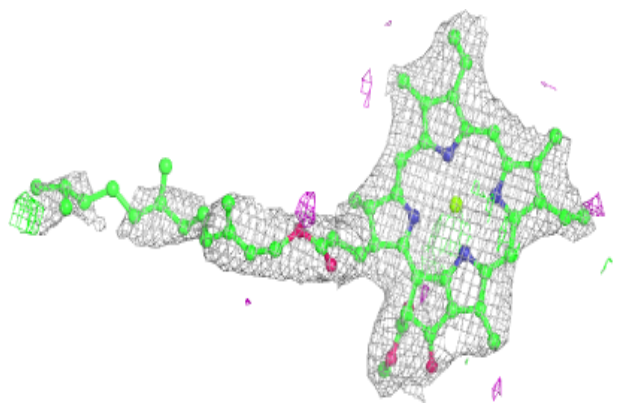
**Electron density around CLA A 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

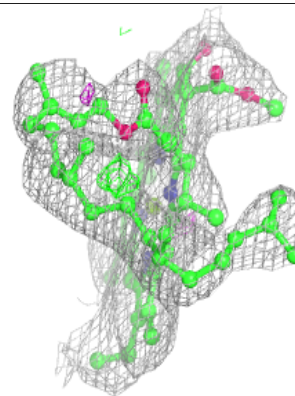
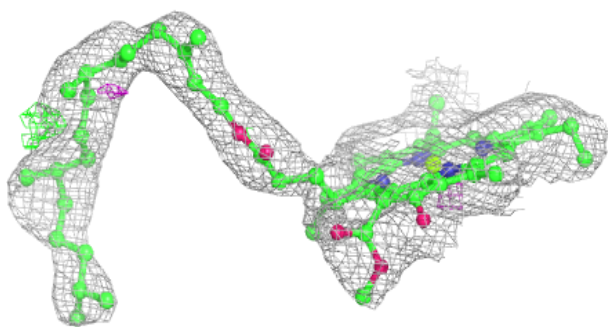
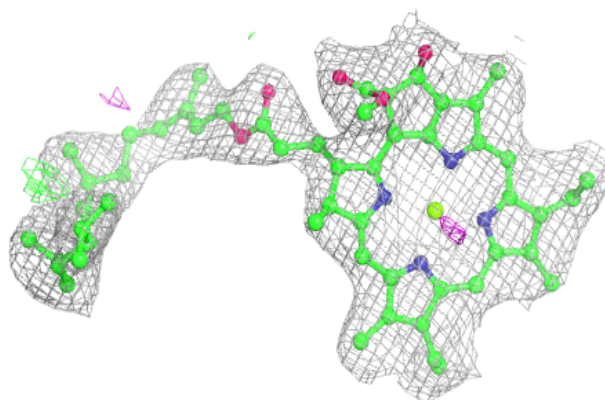


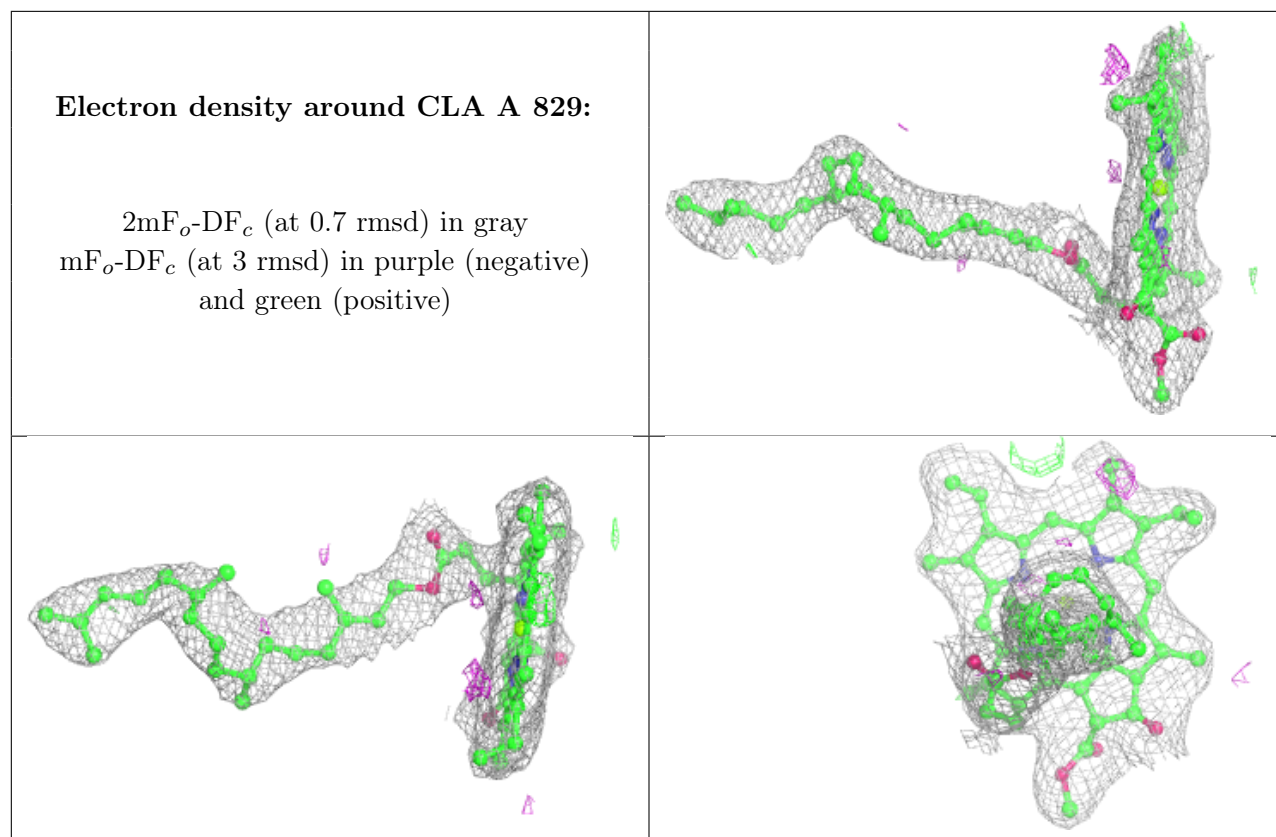
**Electron density around CLA A 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A 828:**

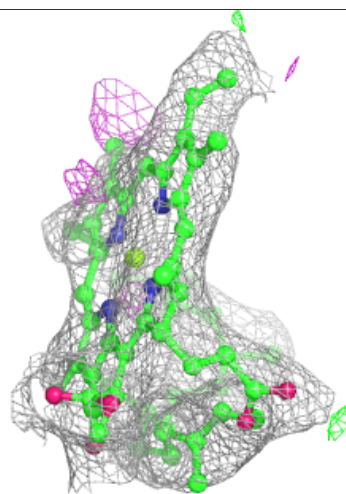
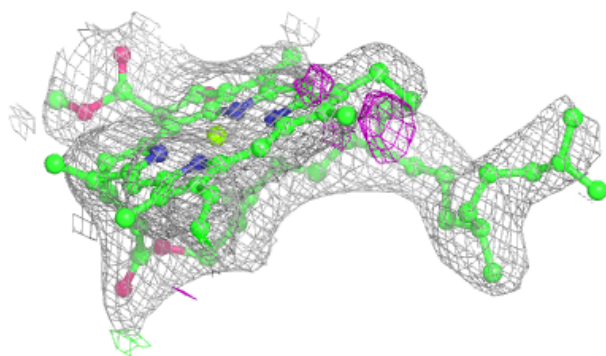
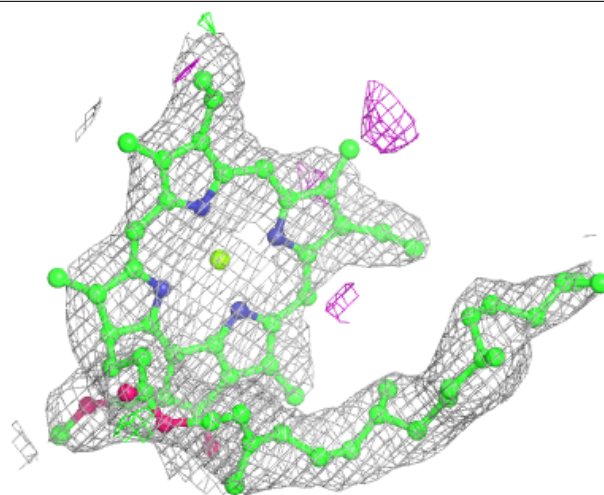
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

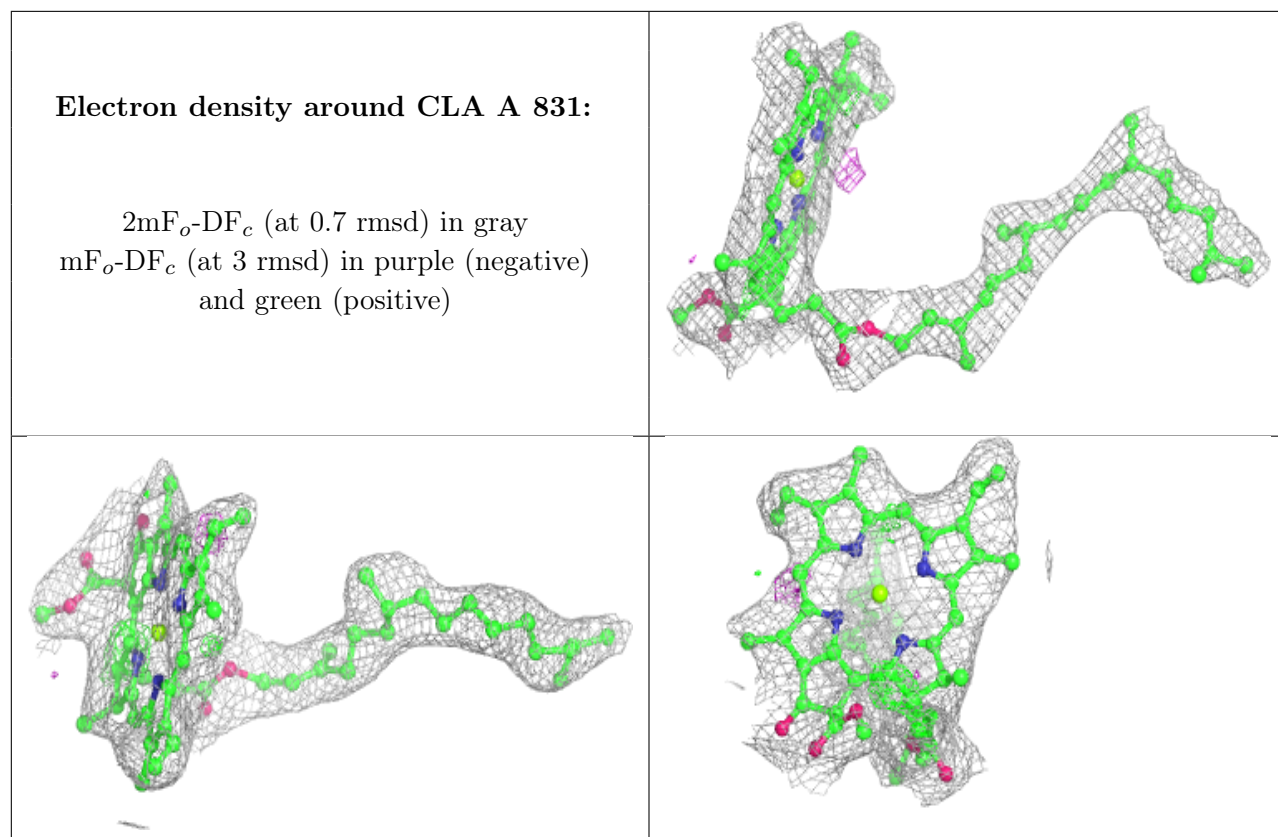




**Electron density around CLA A 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

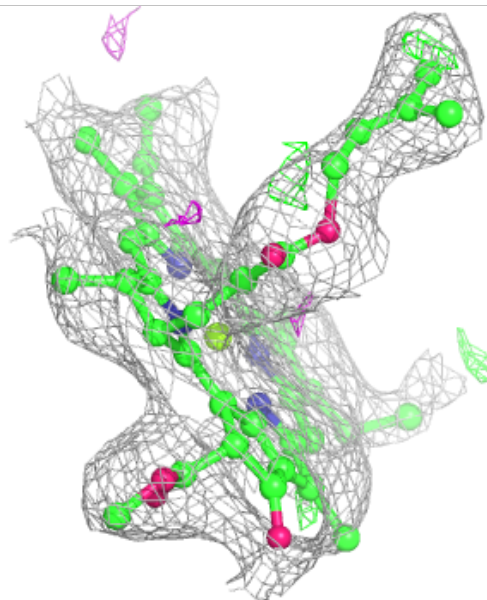
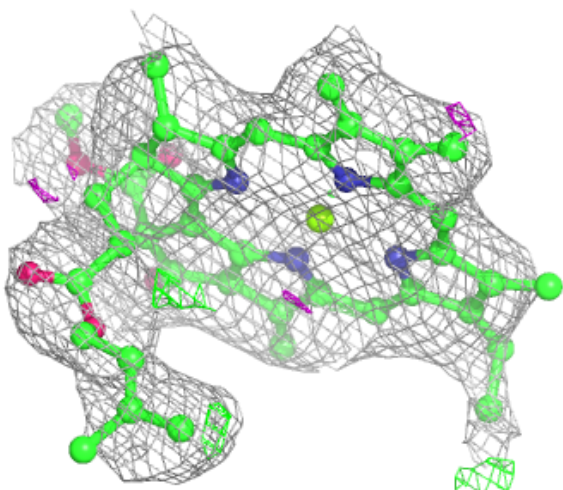
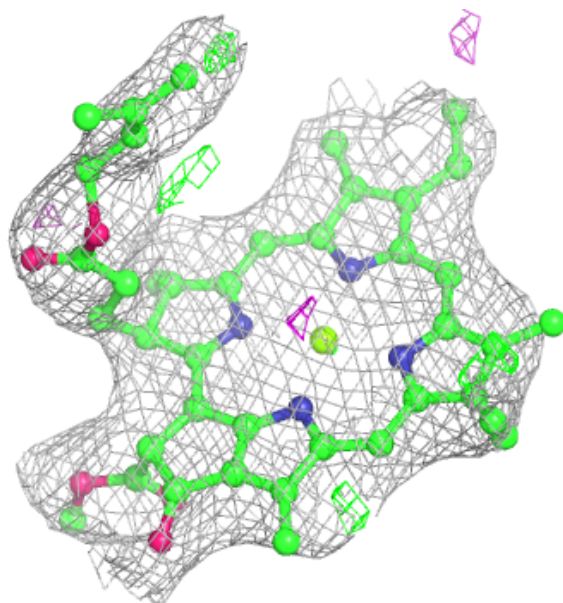






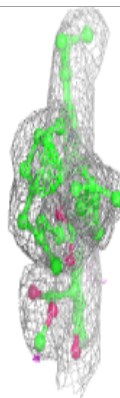
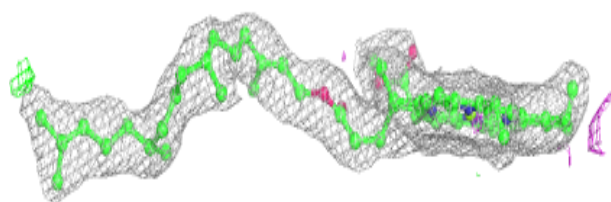
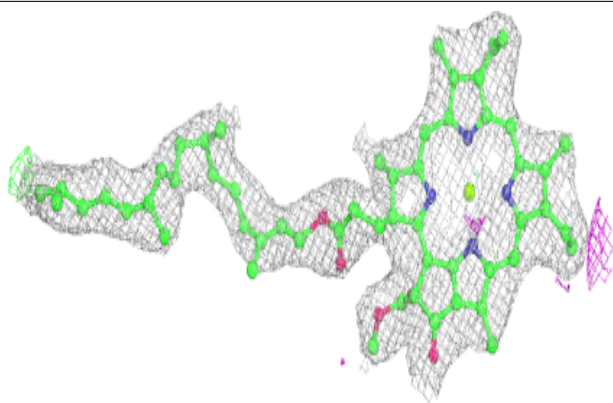
**Electron density around CLA A 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

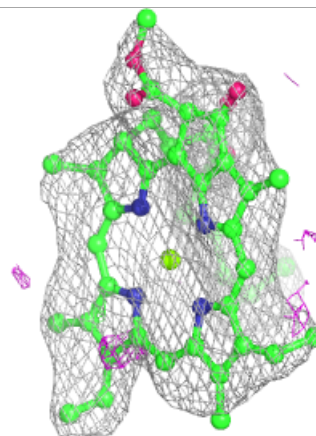
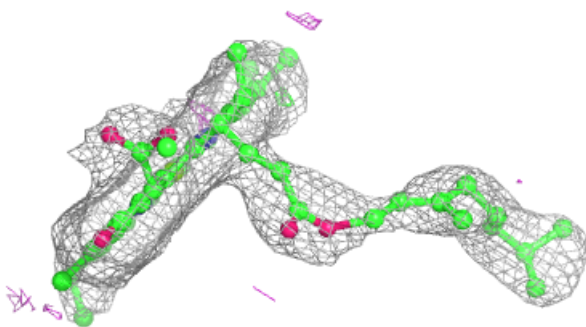
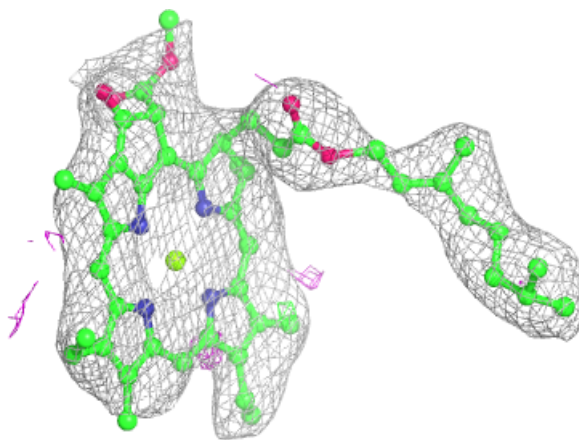


**Electron density around CLA A 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

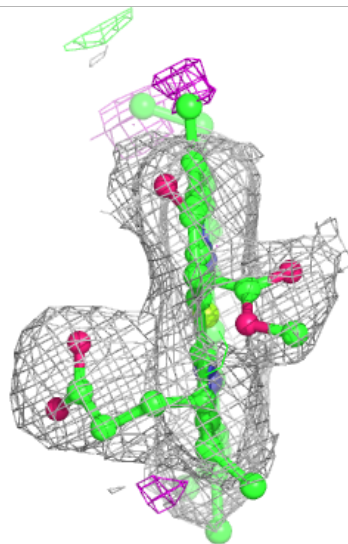
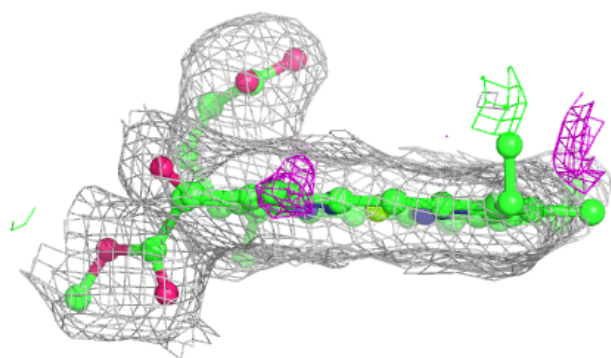
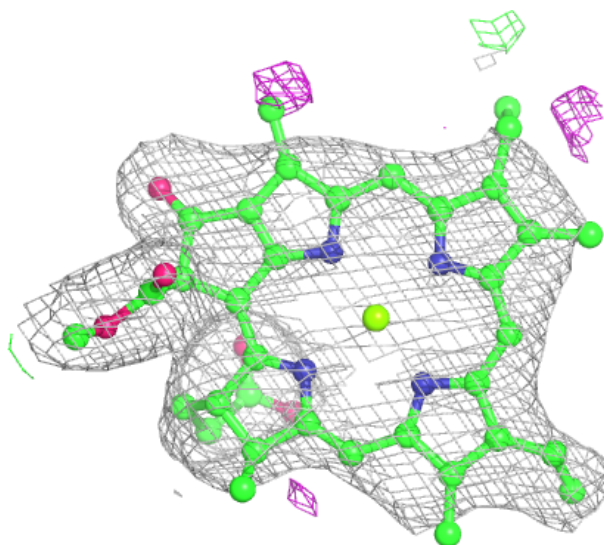
**Electron density around CLA A 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A 835:**

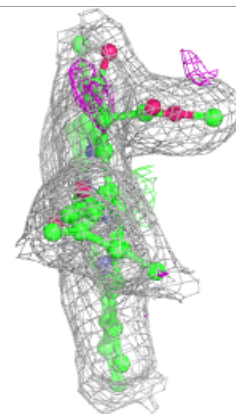
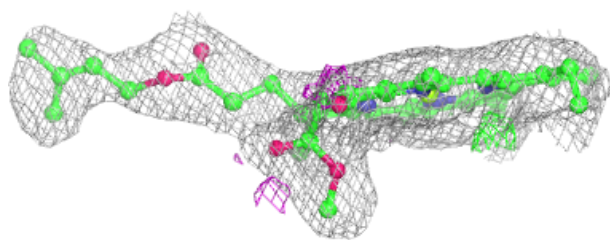
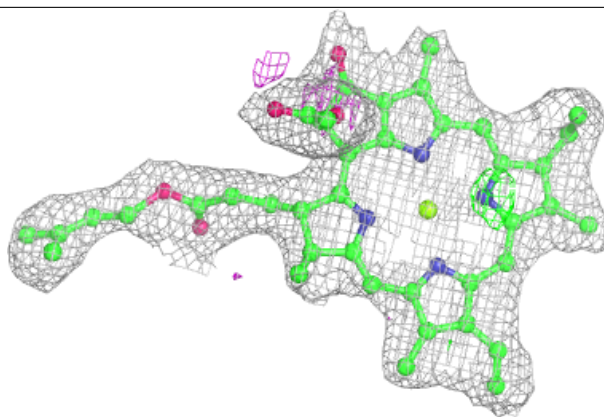
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



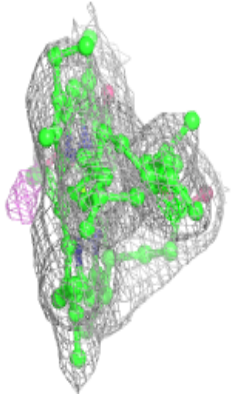
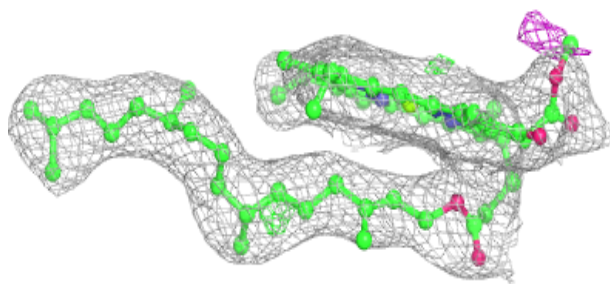
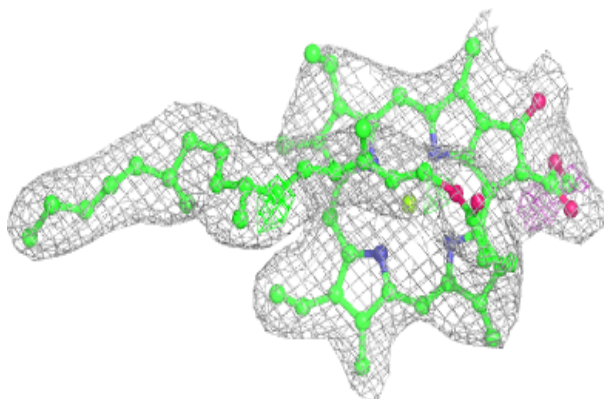


**Electron density around CLA A 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

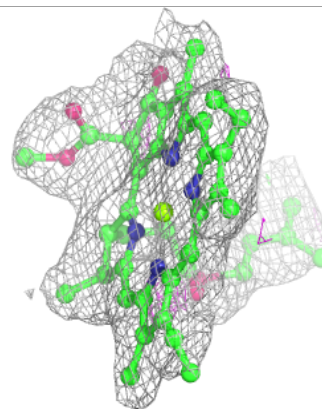
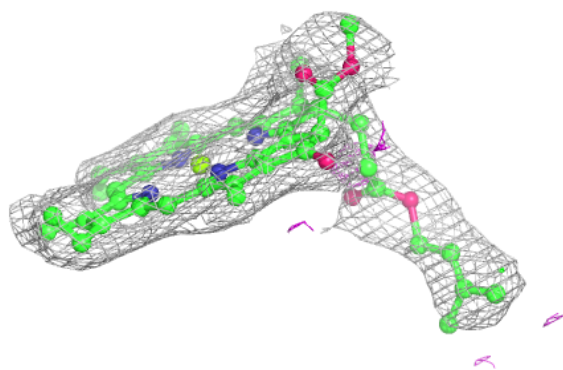
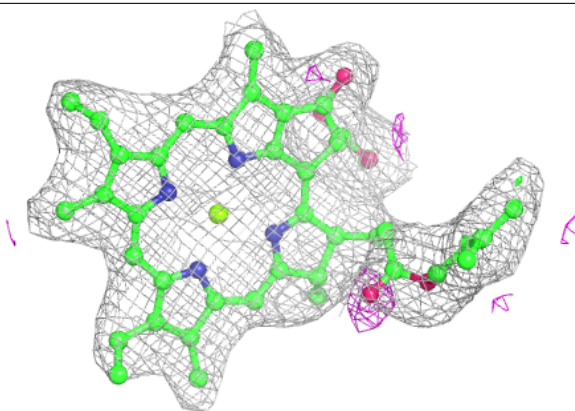
**Electron density around CLA A 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

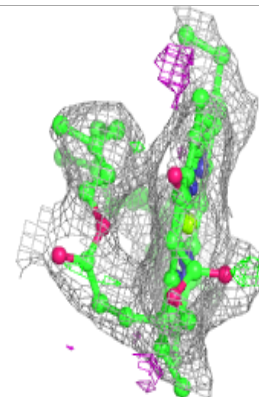
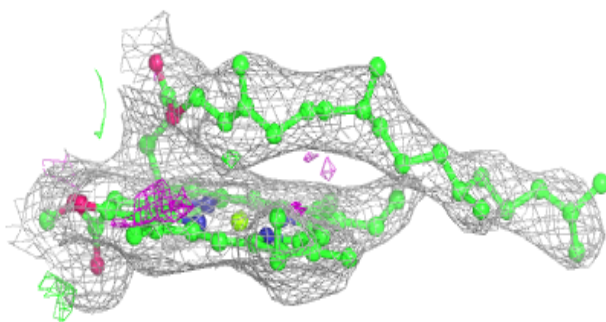
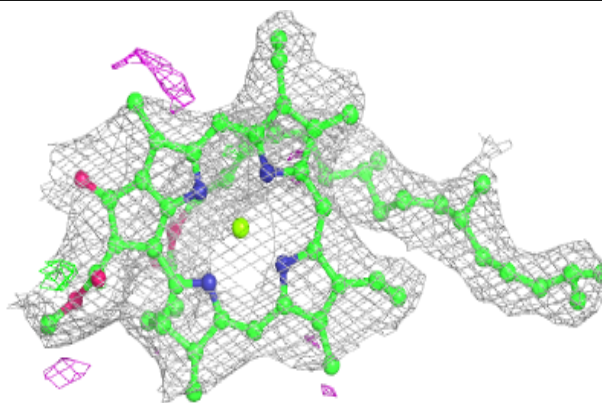


**Electron density around CLA A 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

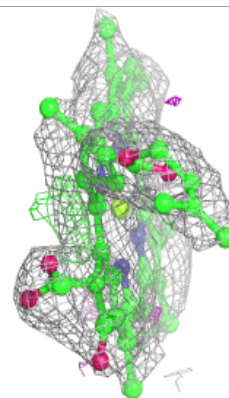
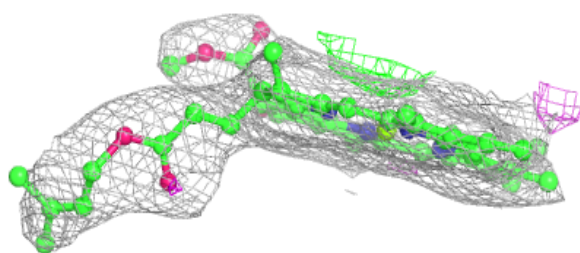
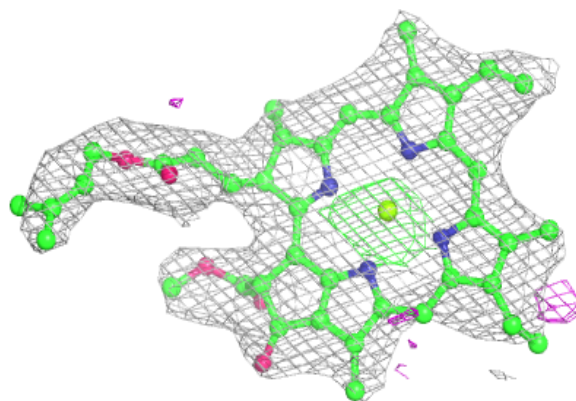
**Electron density around CLA A 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

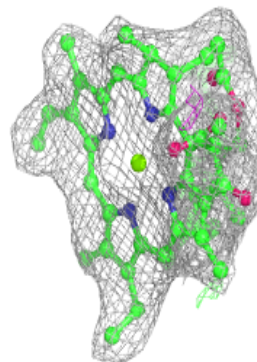
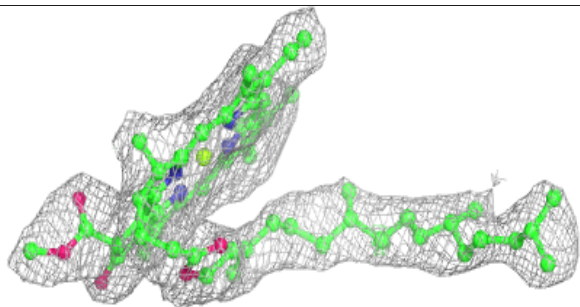
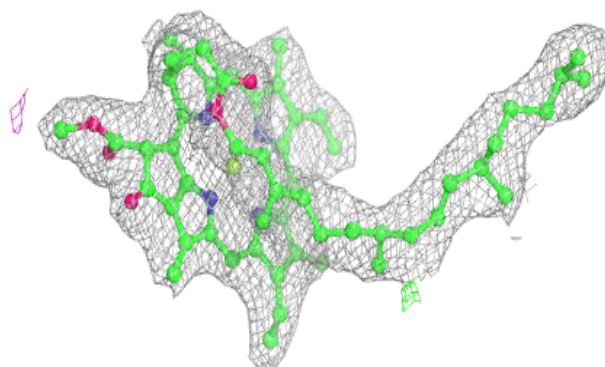


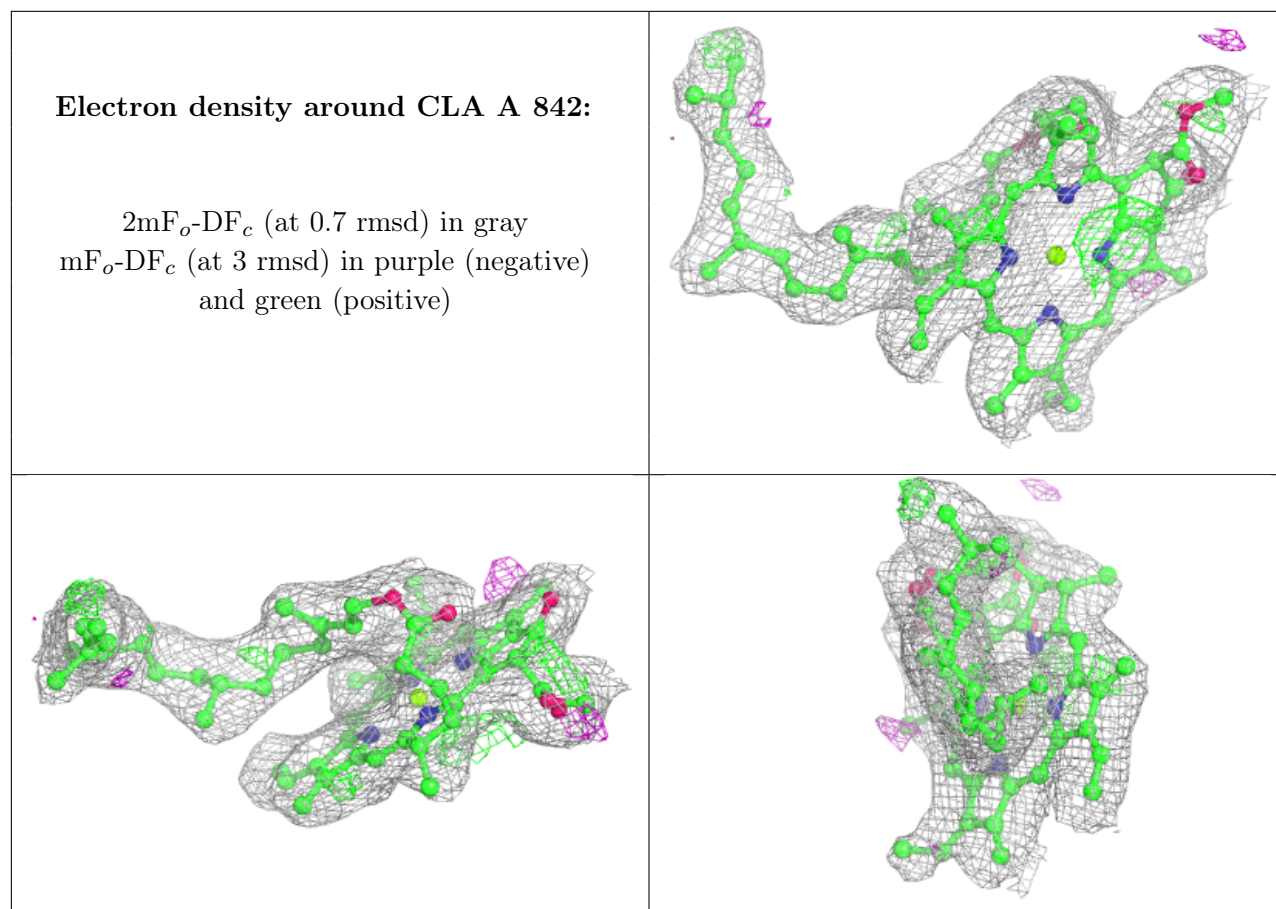
**Electron density around CLA A 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

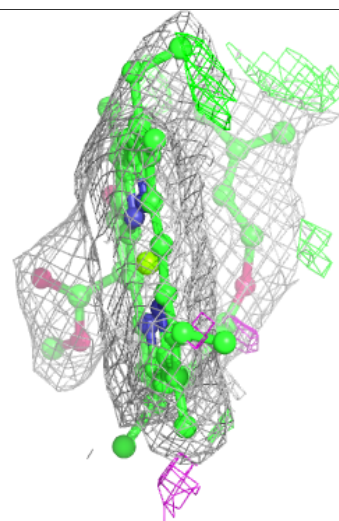
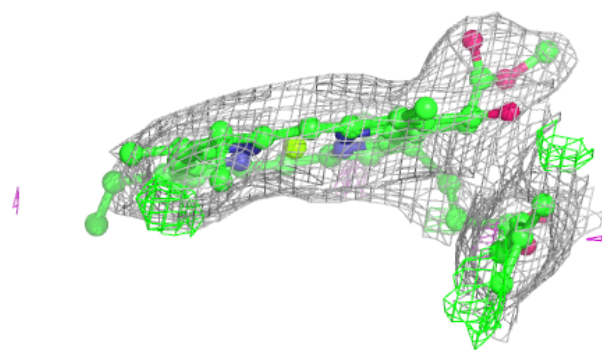
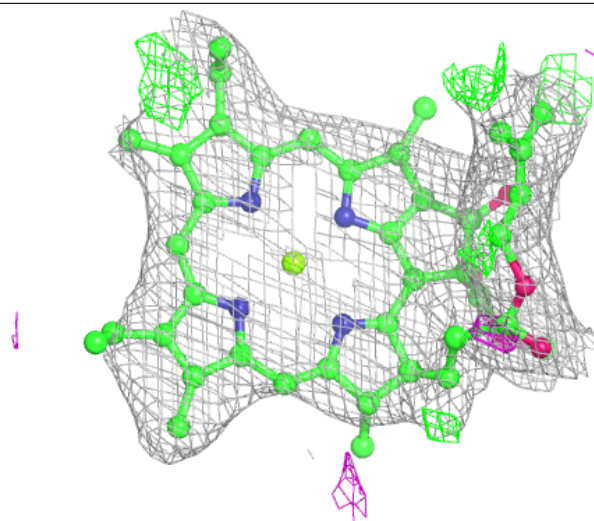






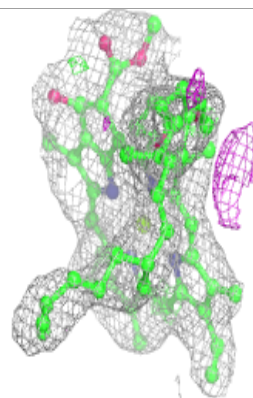
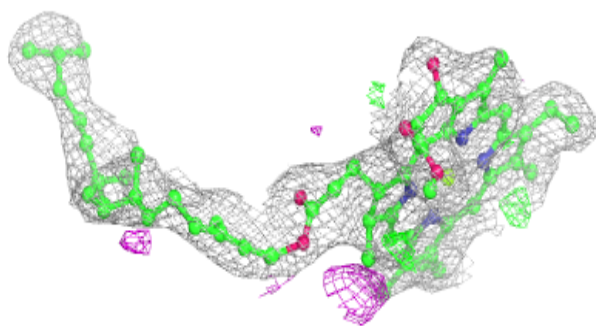
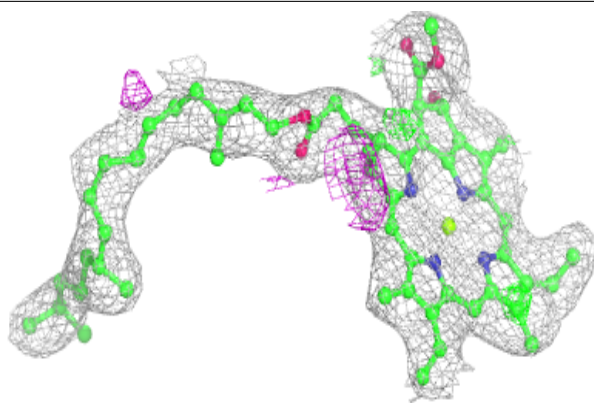
**Electron density around CLA A 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

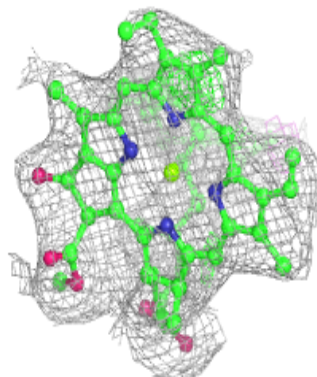
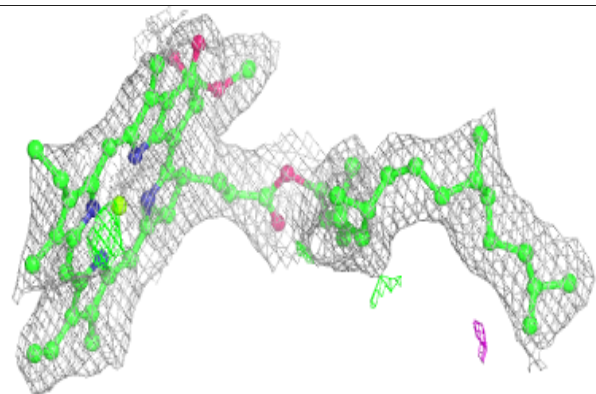
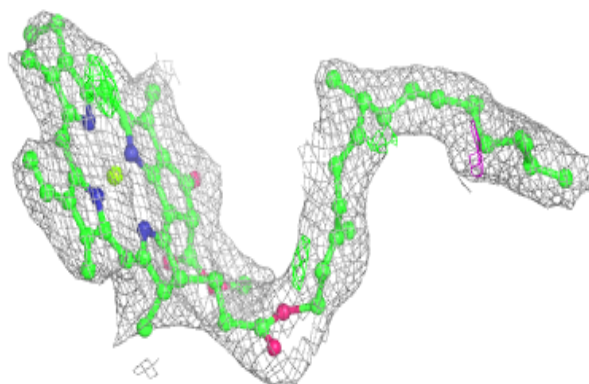


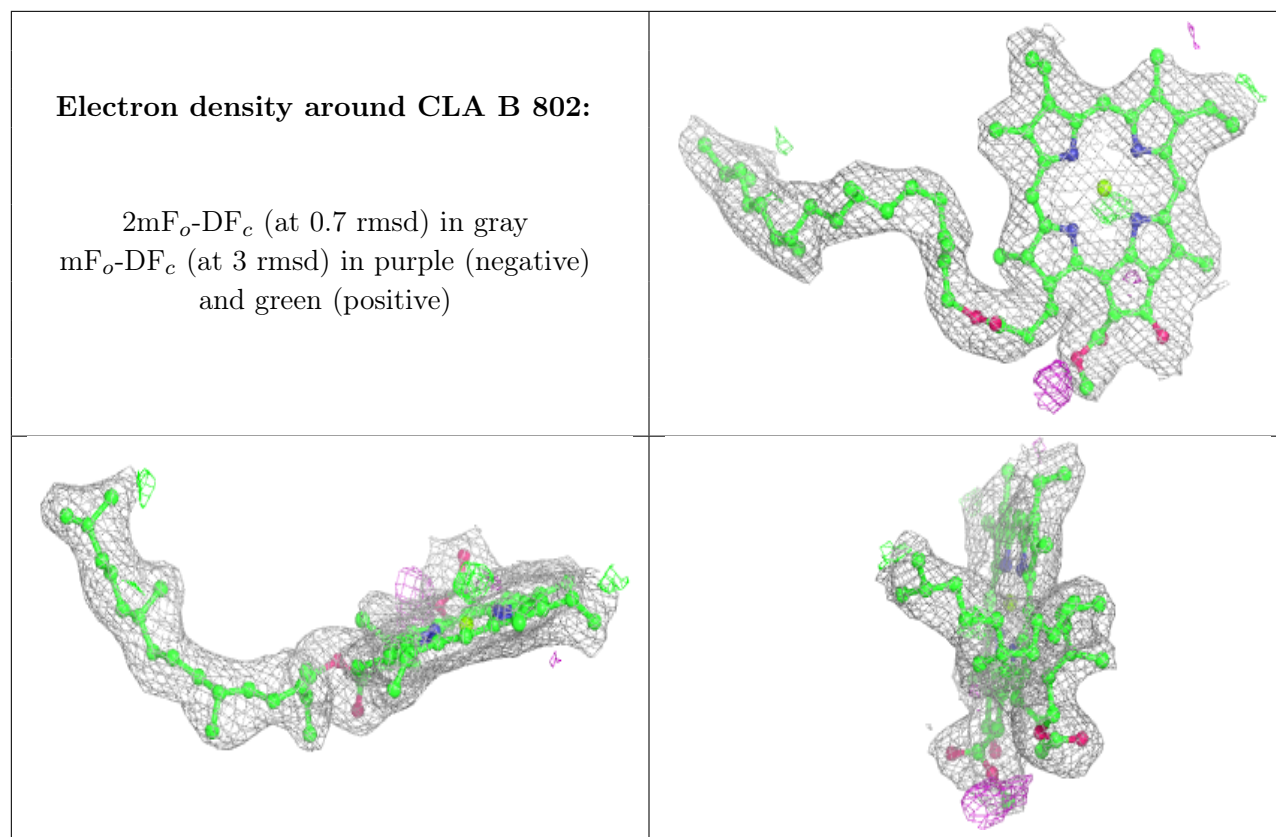
**Electron density around CLA A 854:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B 801:**

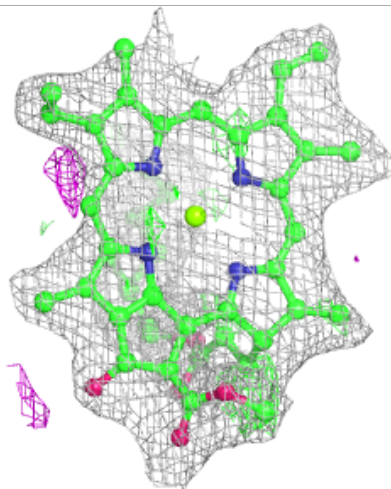
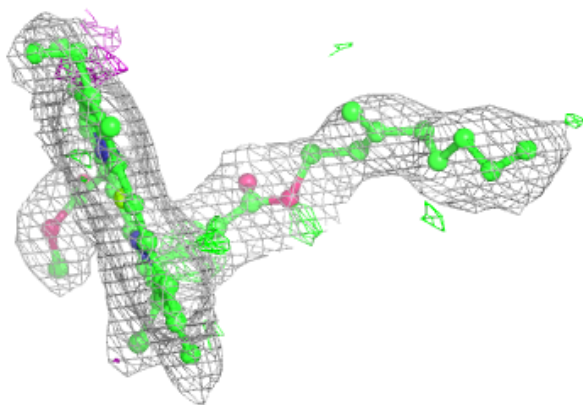
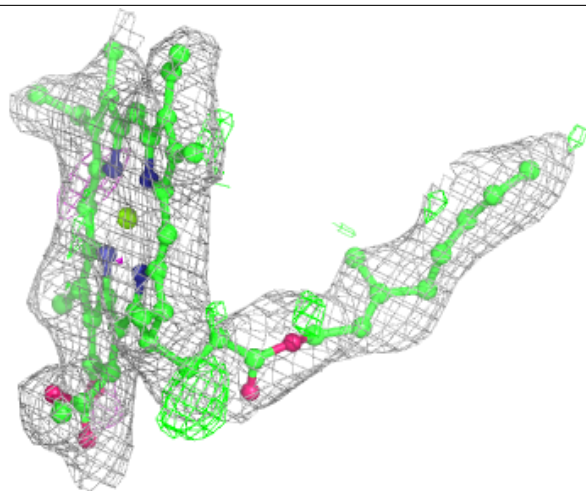
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B 803:**

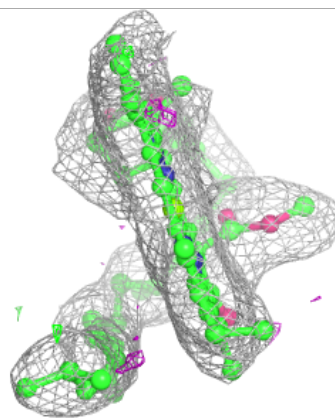
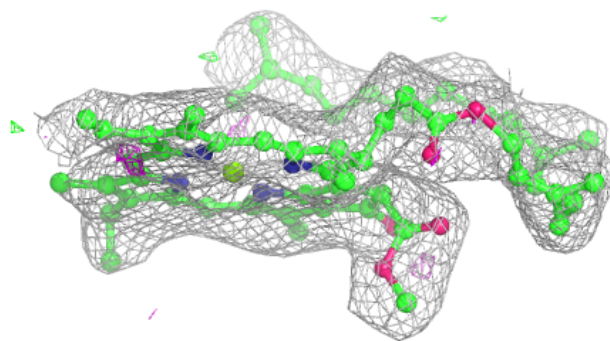
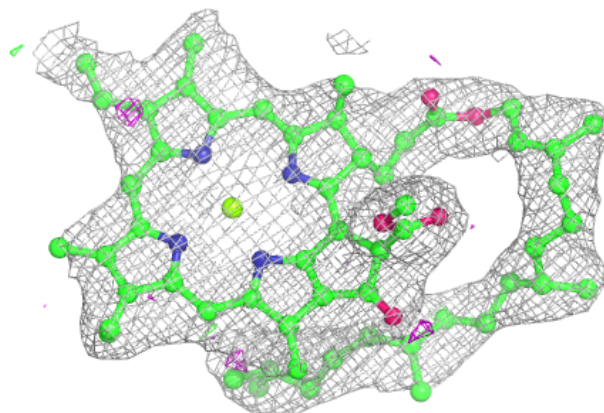
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





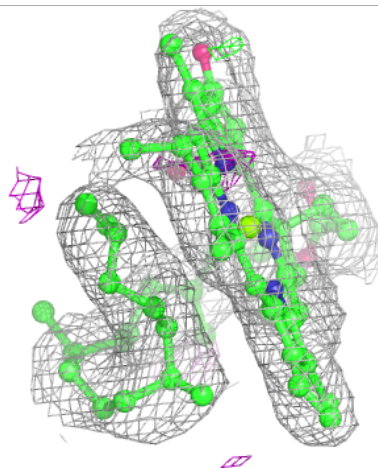
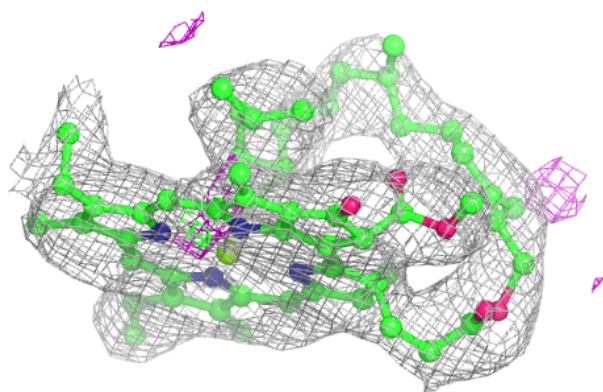
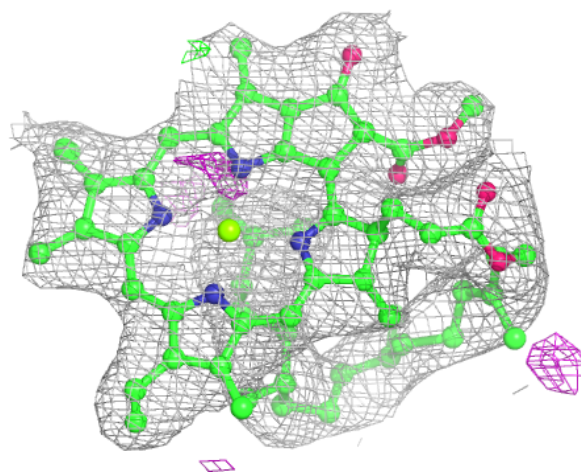
**Electron density around CLA B 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



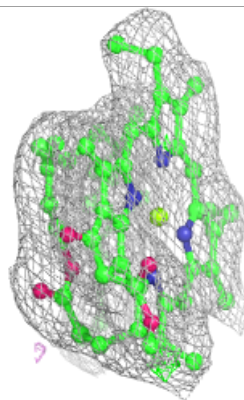
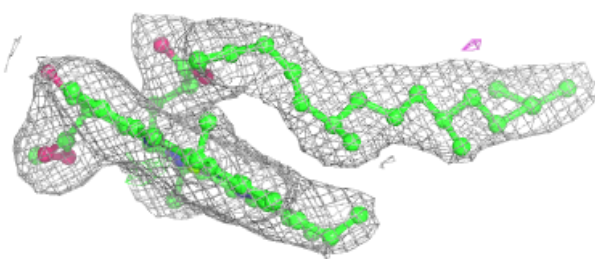
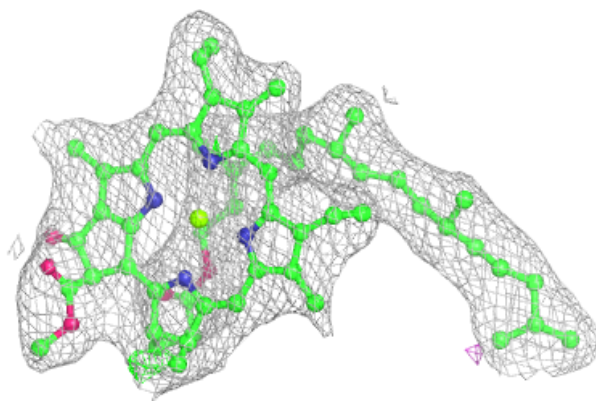
**Electron density around CLA B 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



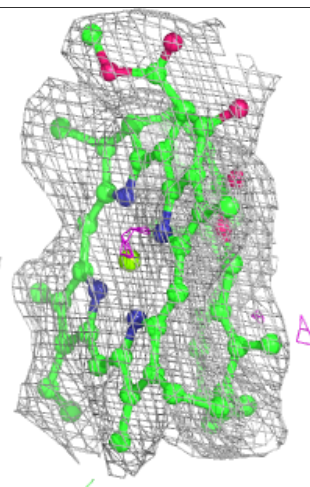
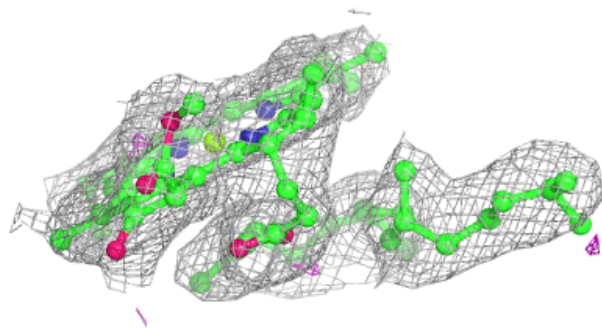
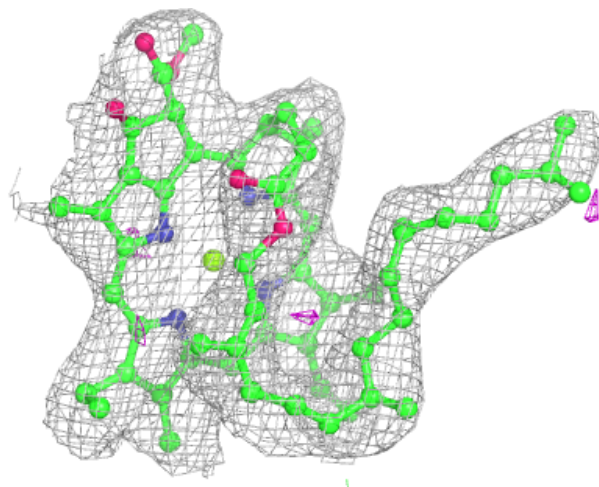
**Electron density around CLA B 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



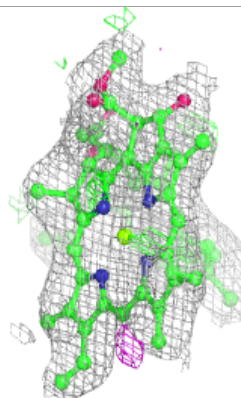
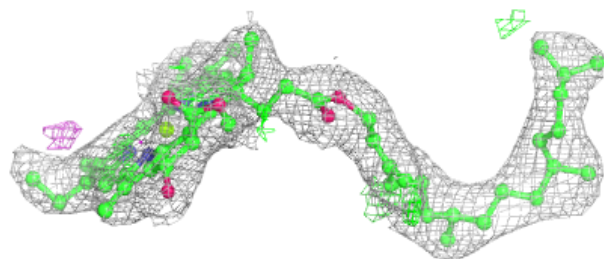
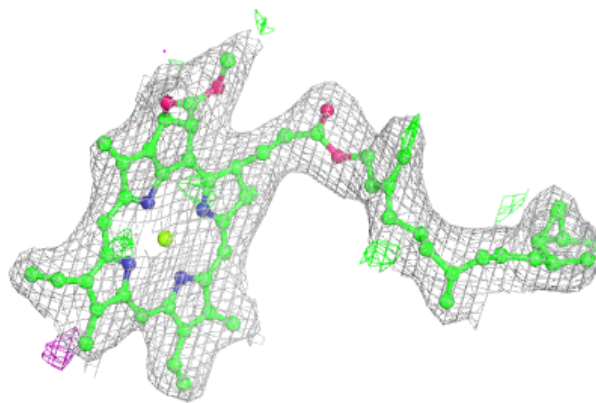
**Electron density around CLA B 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

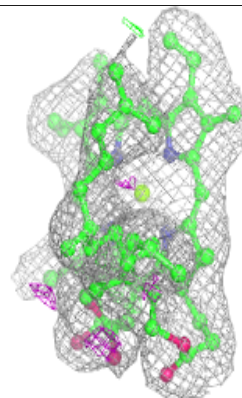
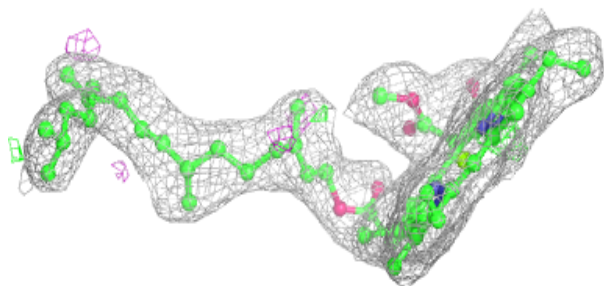
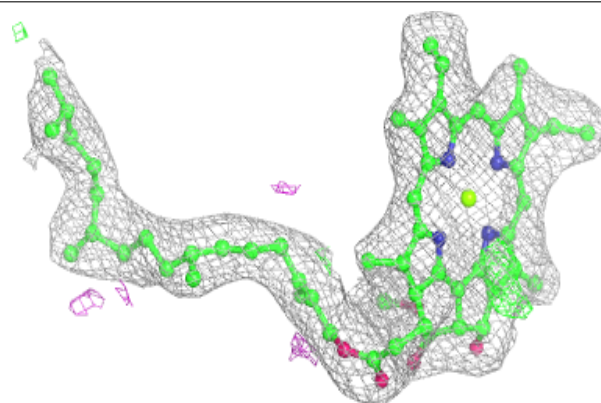


**Electron density around CLA B 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B 809:**

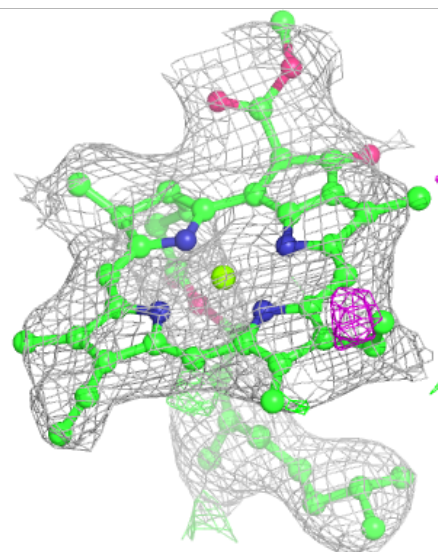
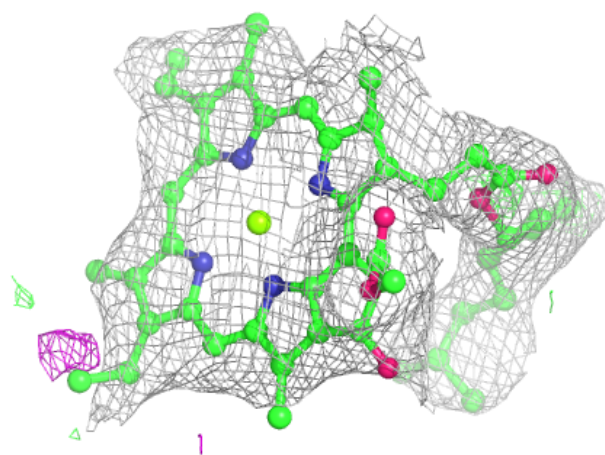
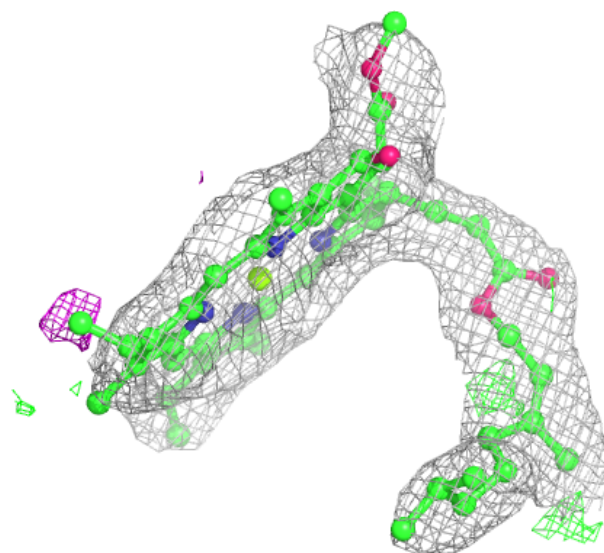
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





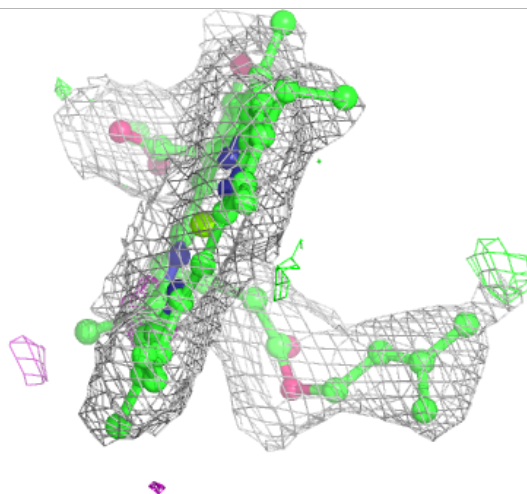
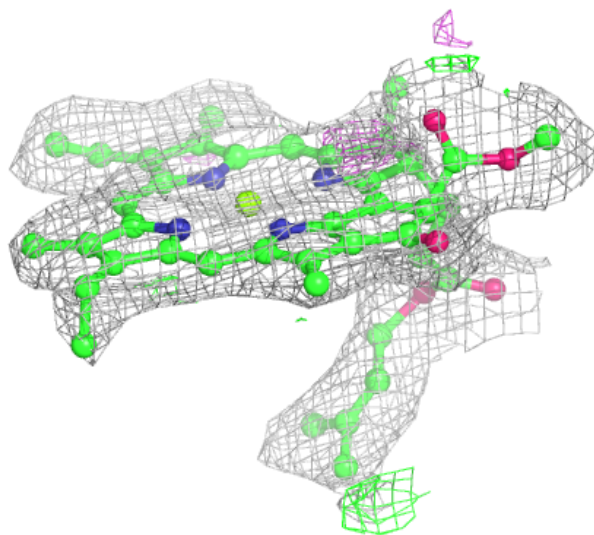
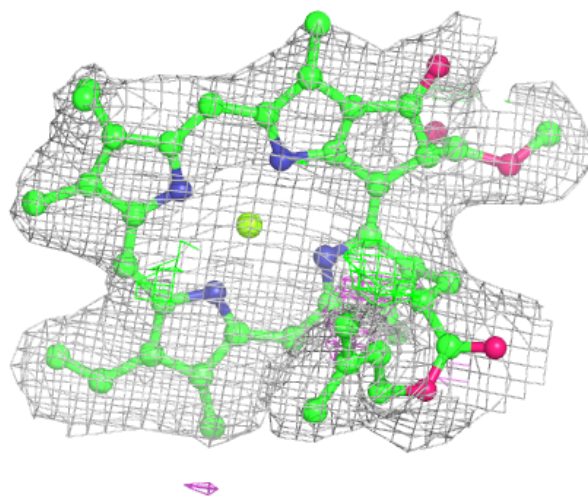
**Electron density around CLA B 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



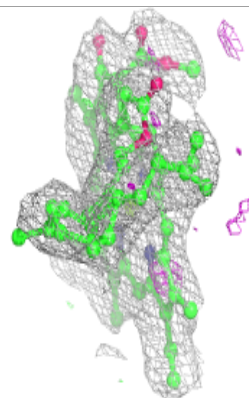
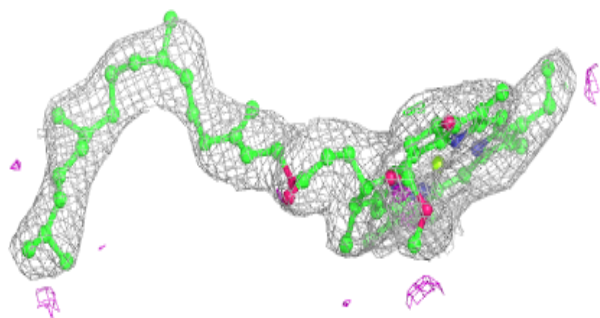
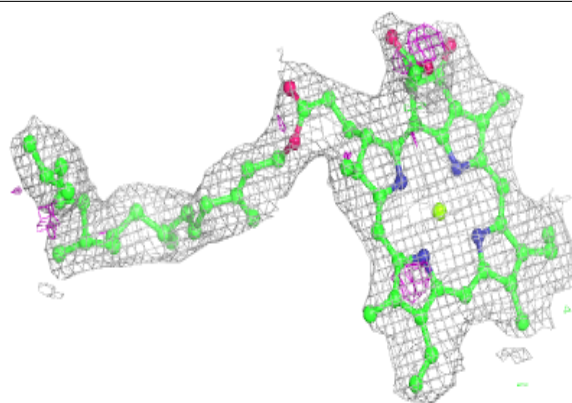
**Electron density around CLA B 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

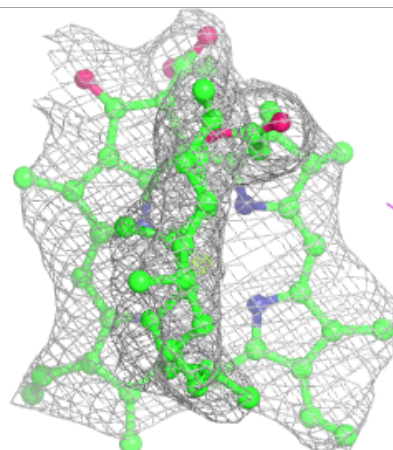
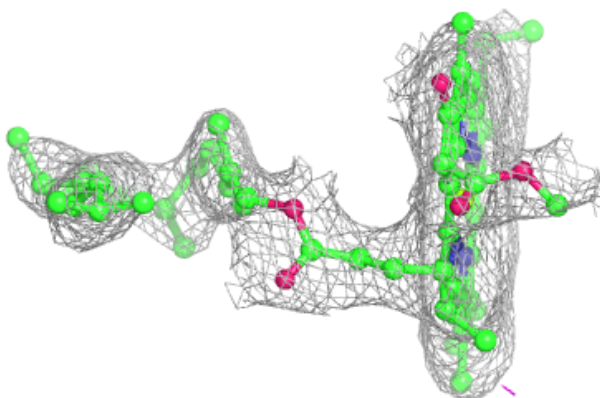
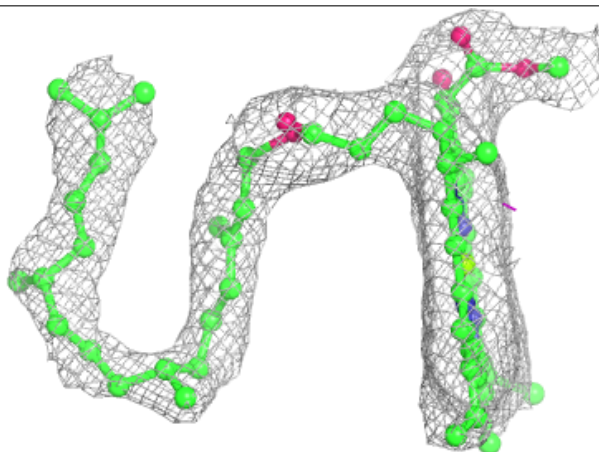


**Electron density around CLA B 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B 813:**

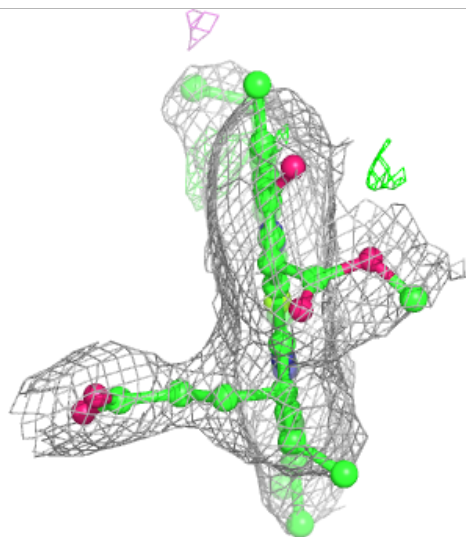
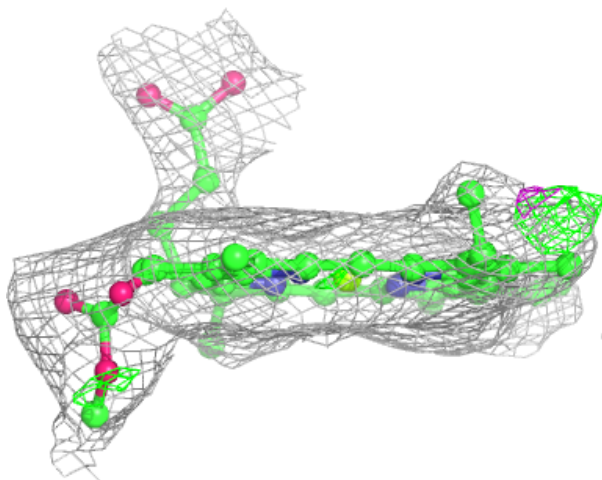
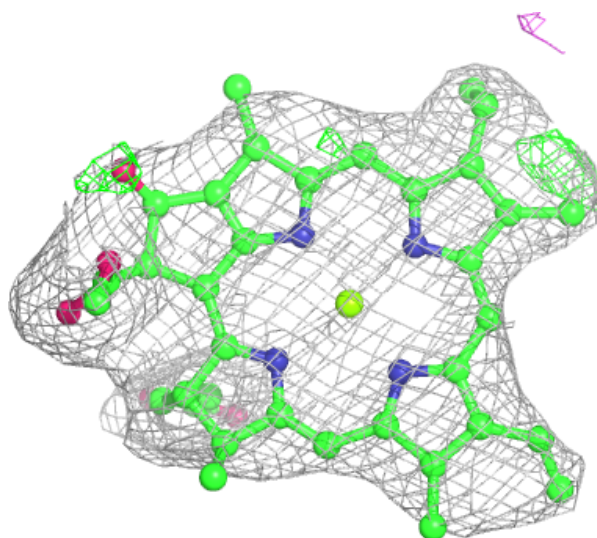
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





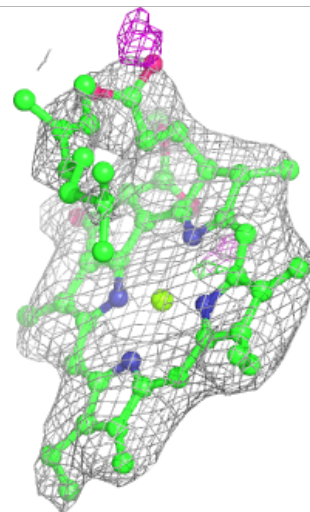
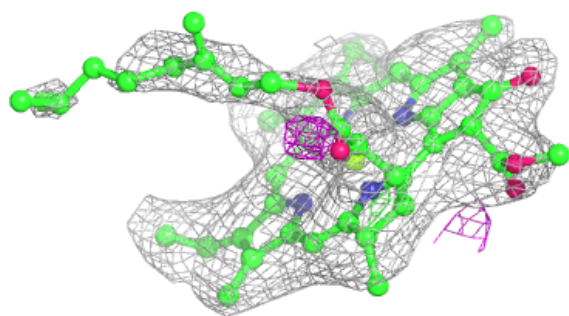
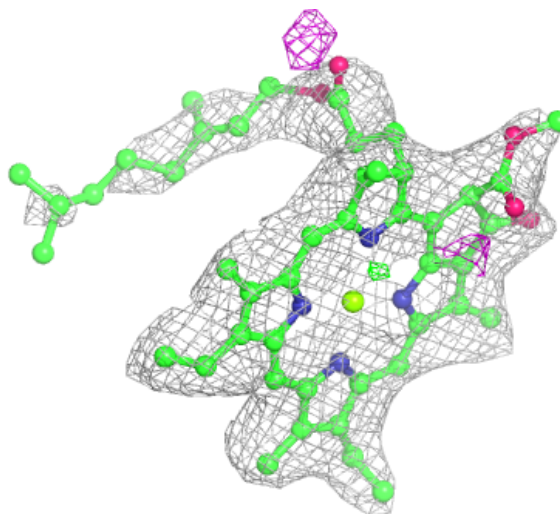
**Electron density around CLA B 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



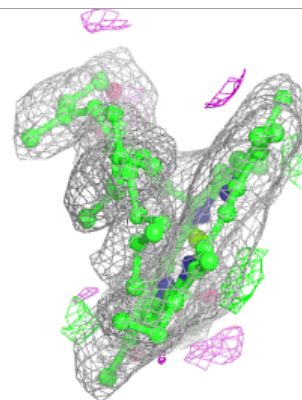
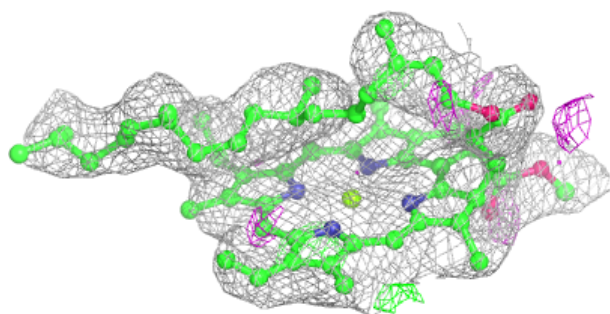
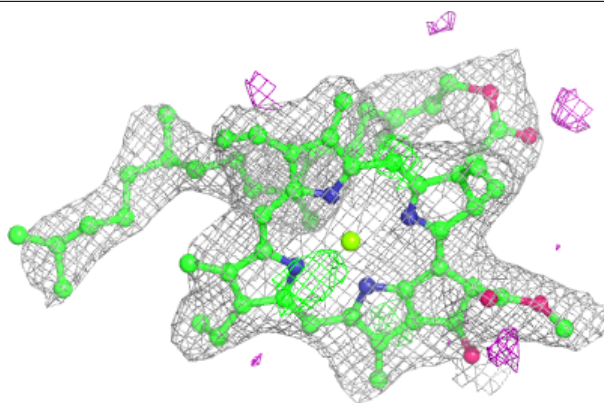
**Electron density around CLA B 815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

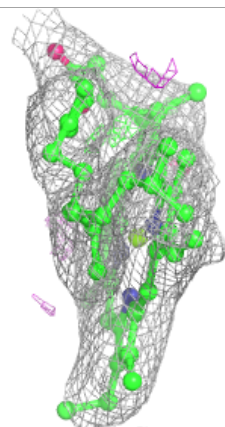
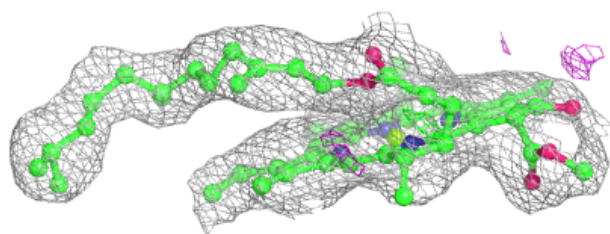
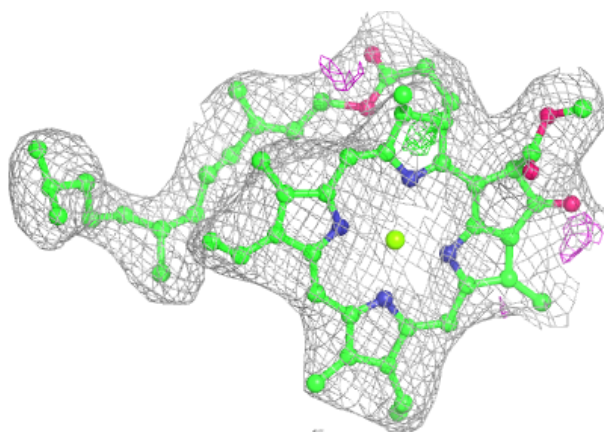


**Electron density around CLA B 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

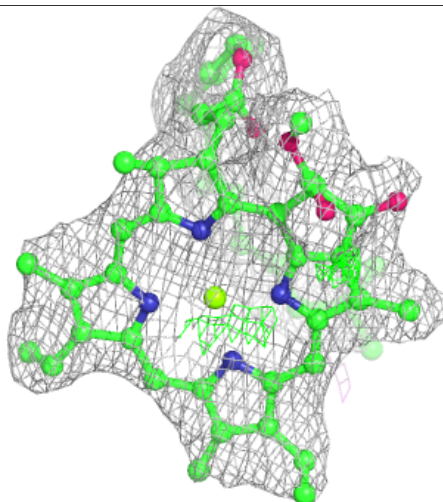
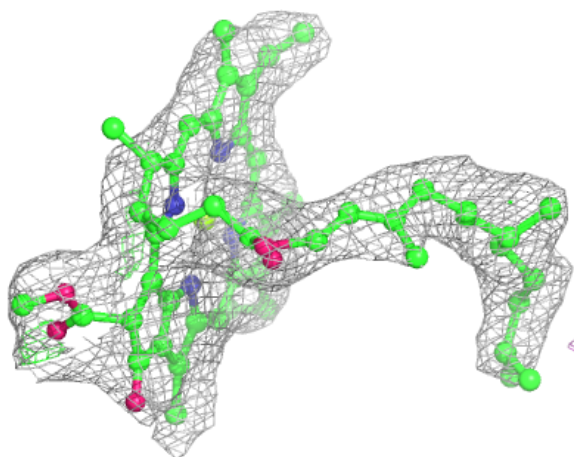
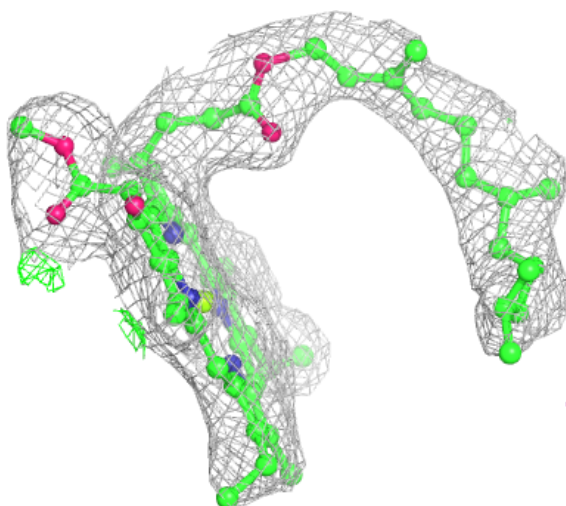
**Electron density around CLA B 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B 818:**

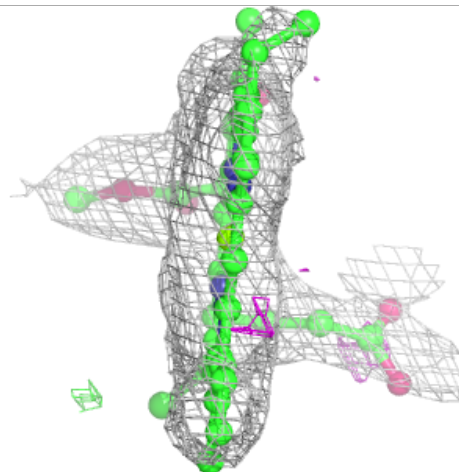
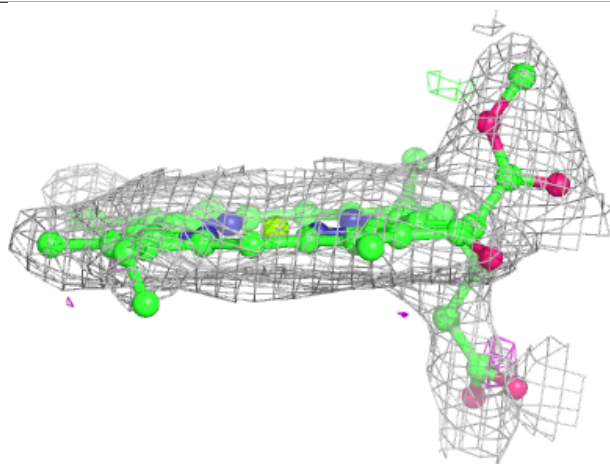
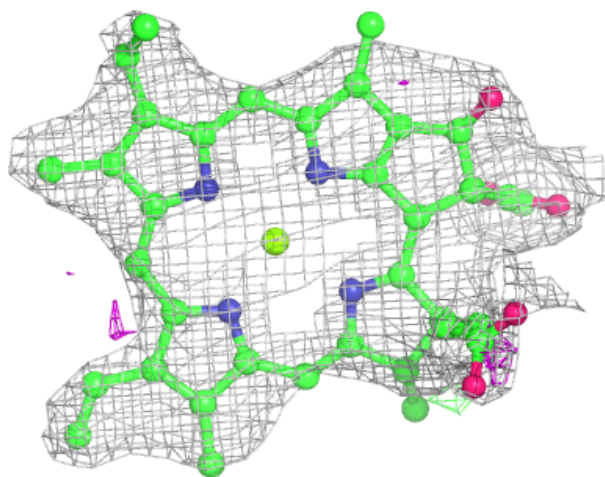
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





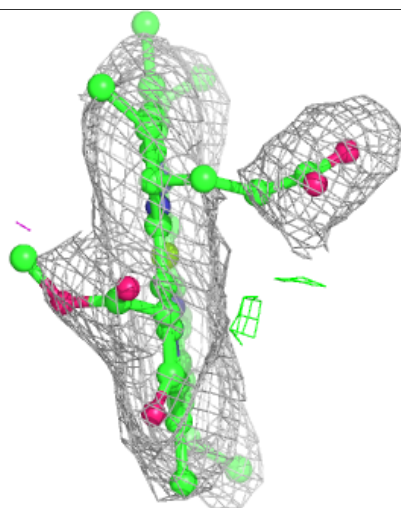
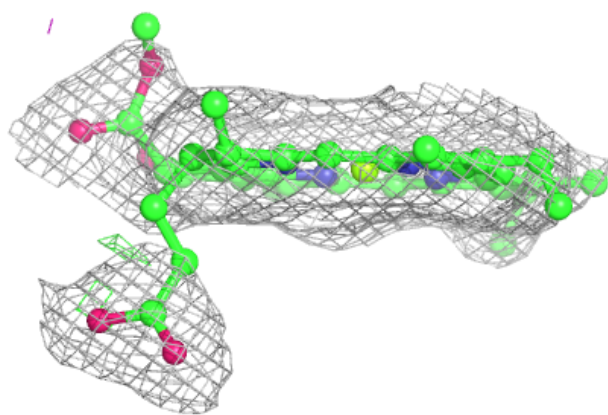
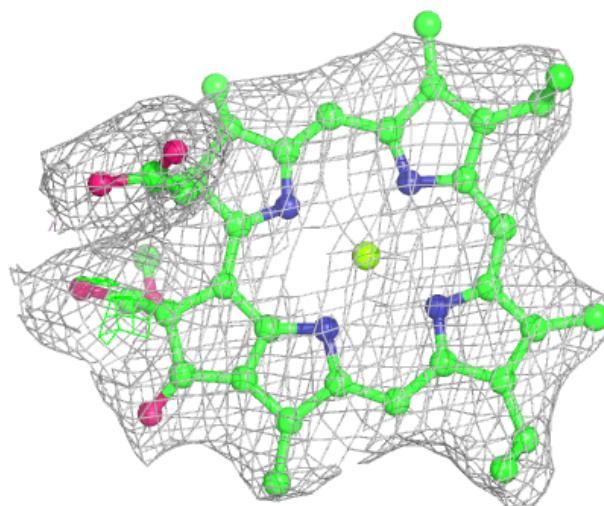
**Electron density around CLA B 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



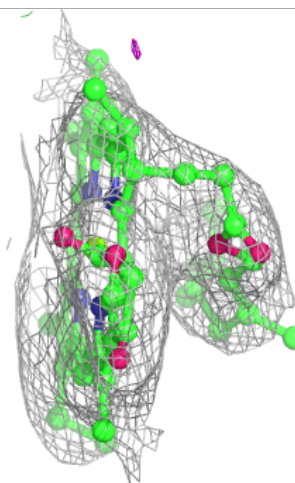
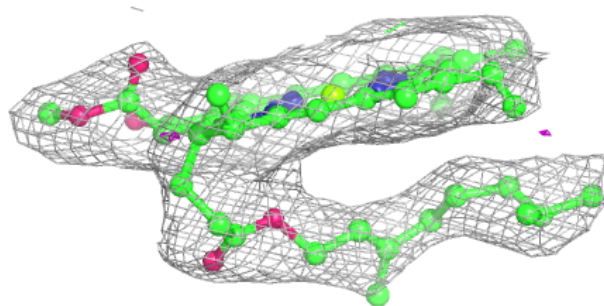
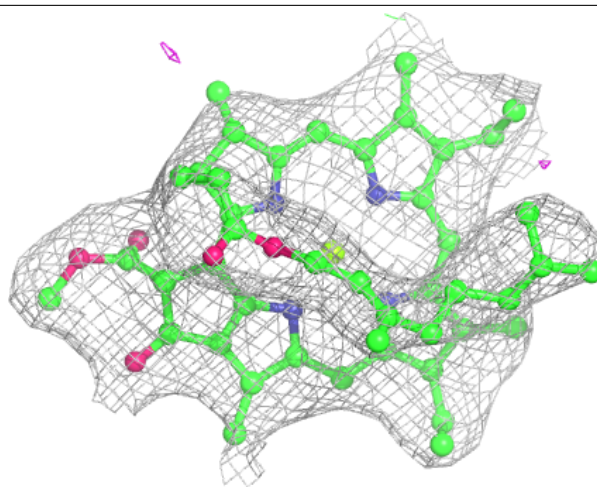
**Electron density around CLA B 820:**

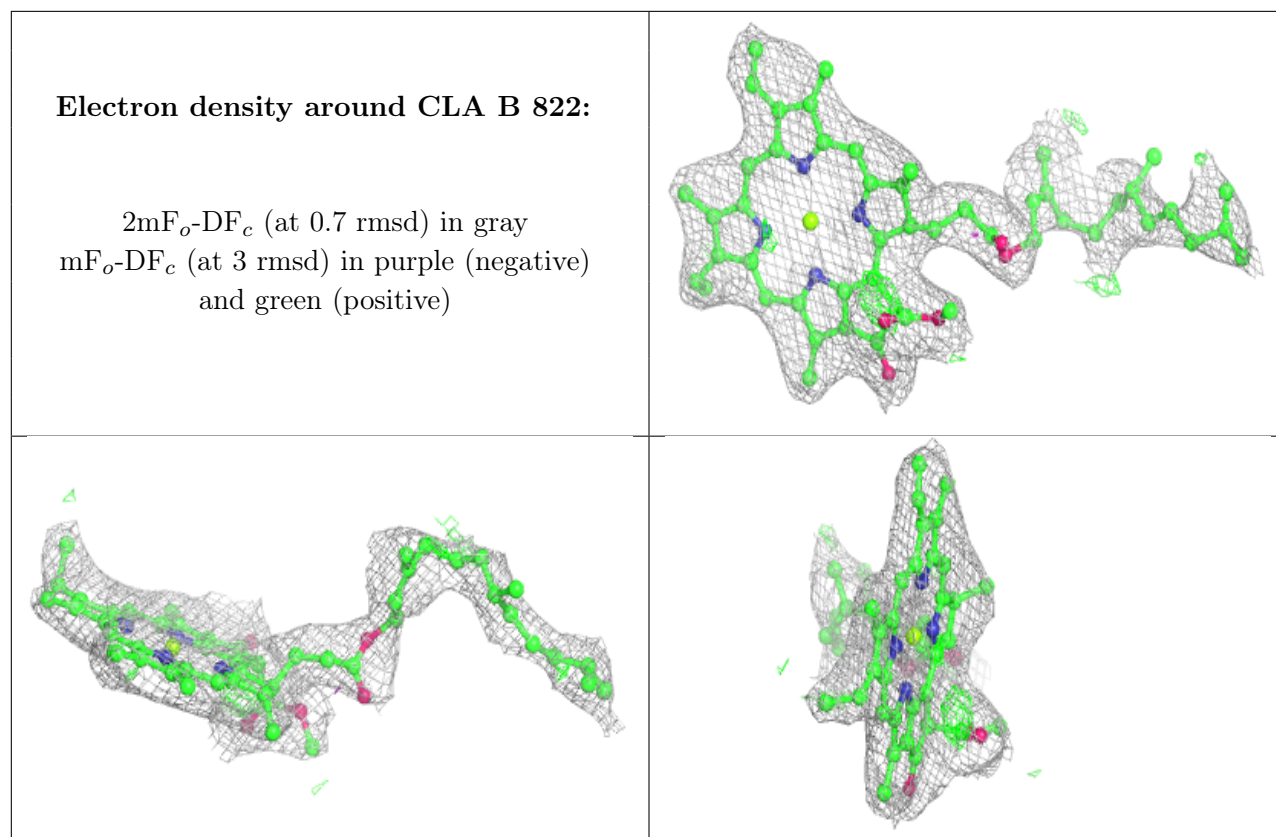
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

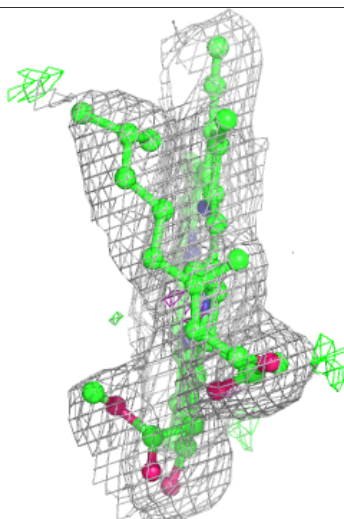
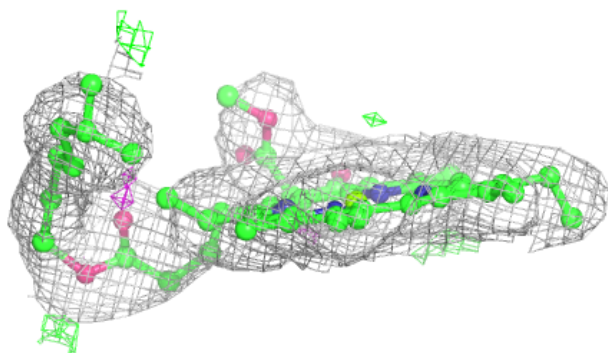
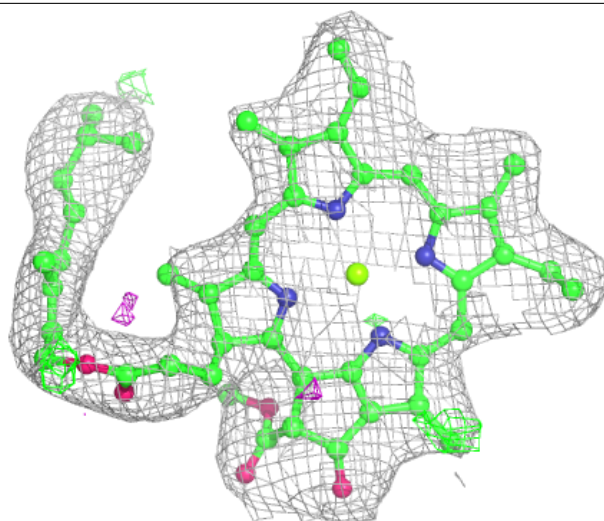






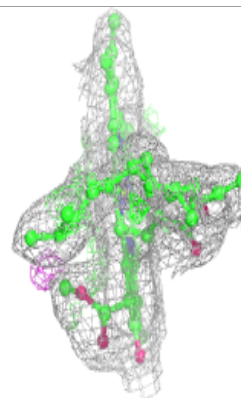
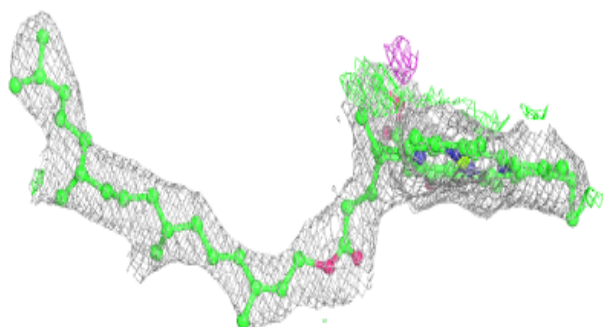
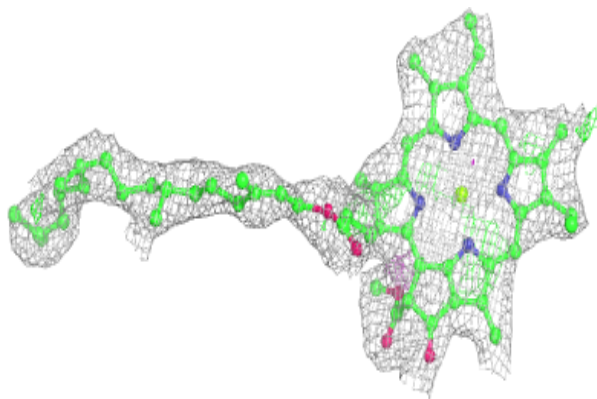
**Electron density around CLA B 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

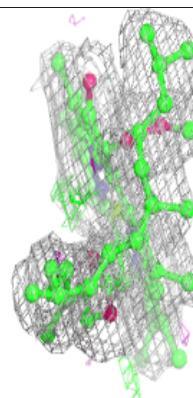
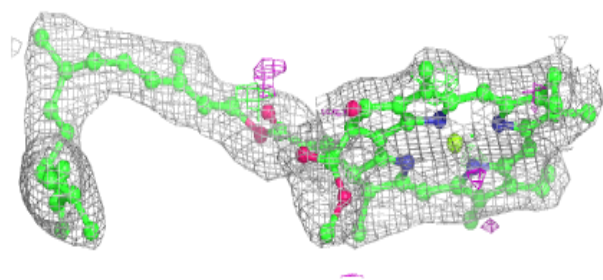
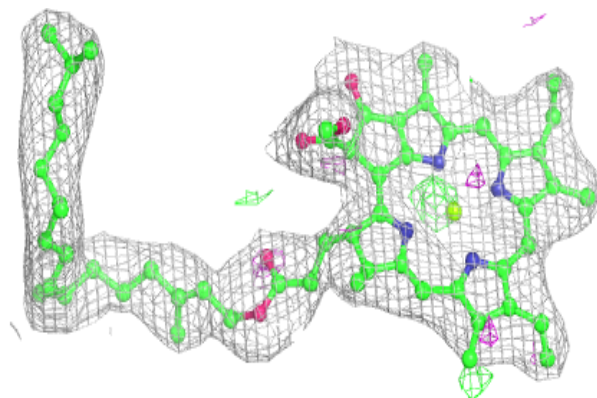


**Electron density around CLA B 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

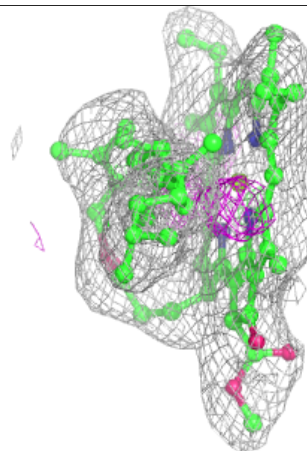
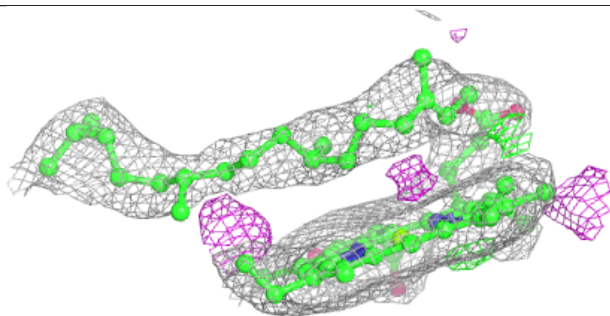
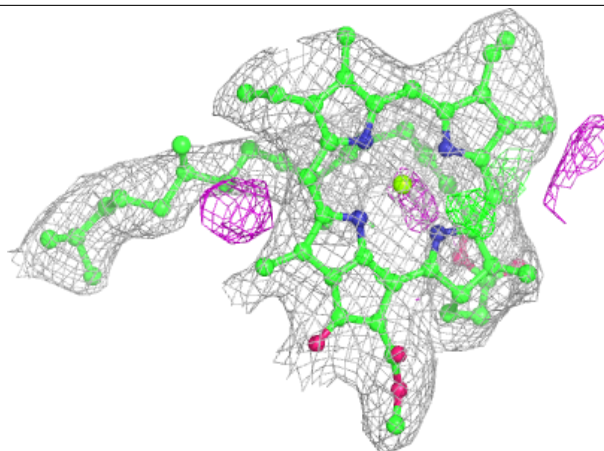
**Electron density around CLA B 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

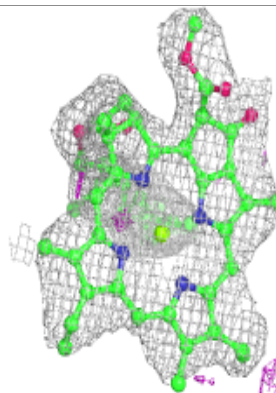
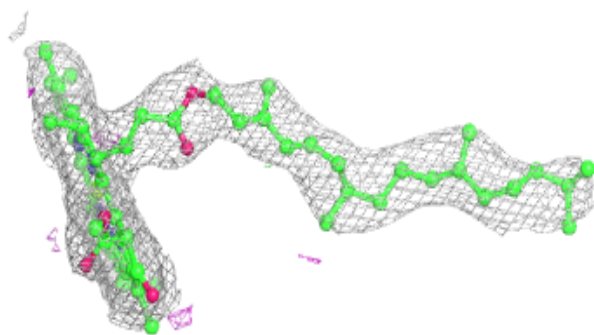
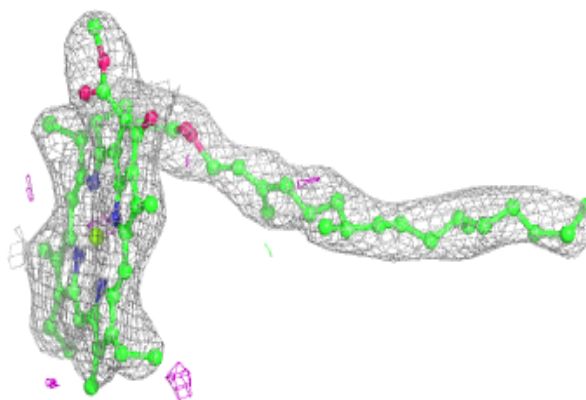


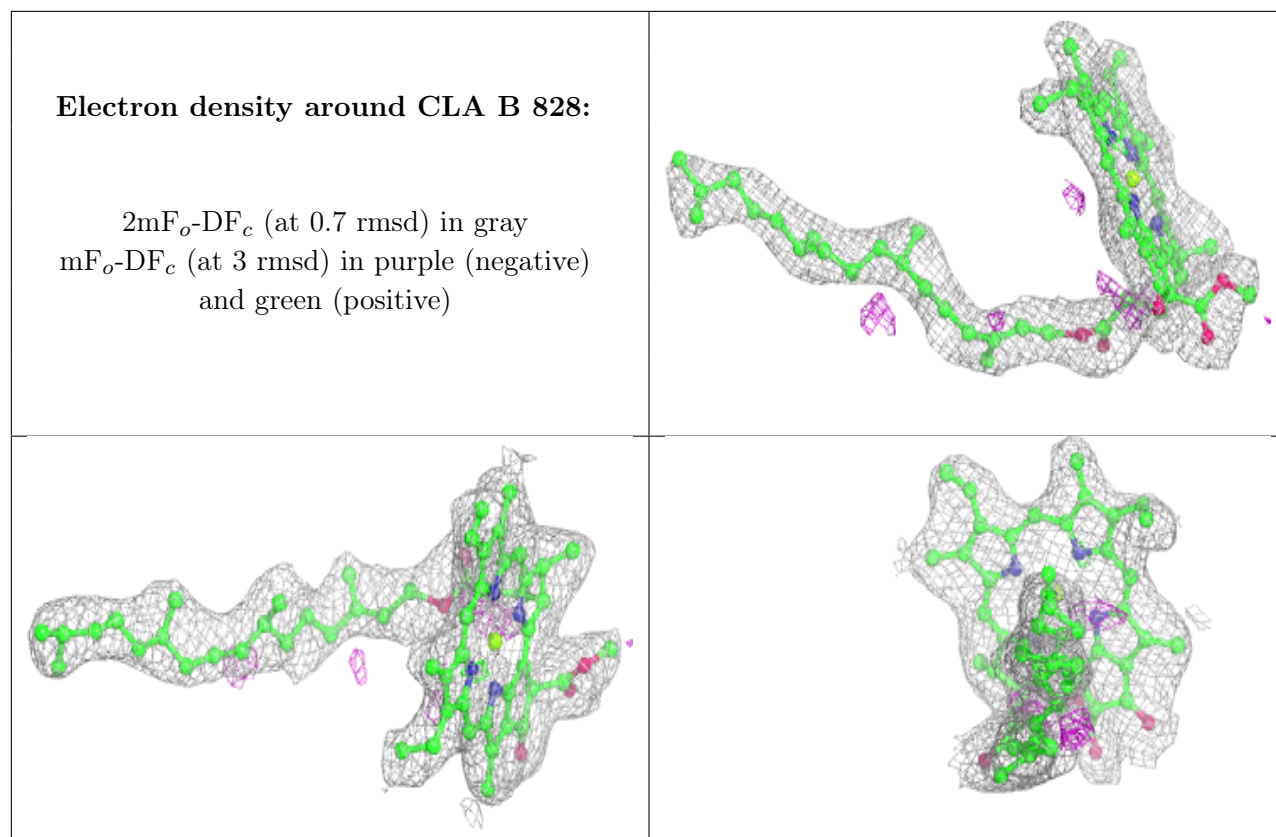
**Electron density around CLA B 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

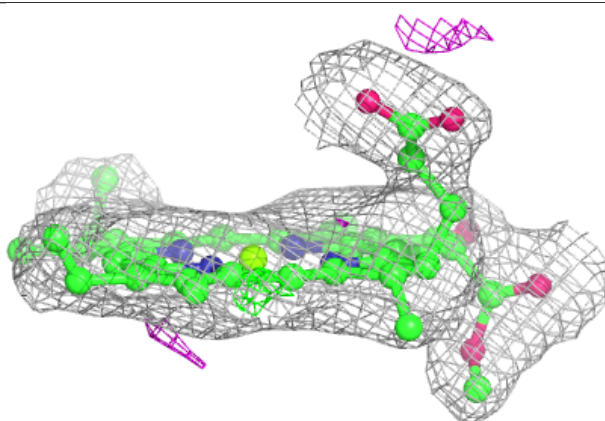
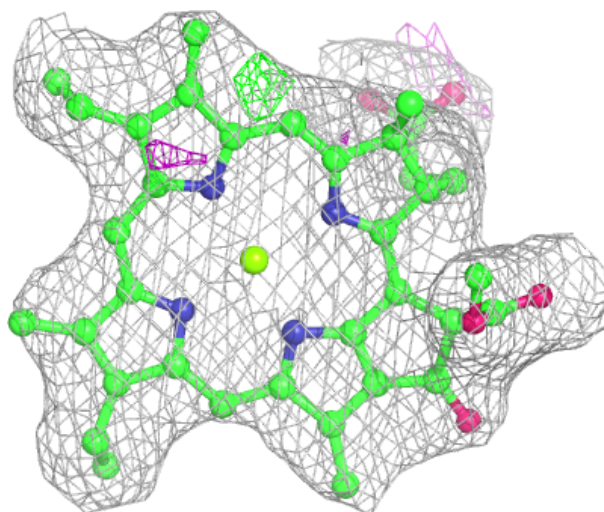






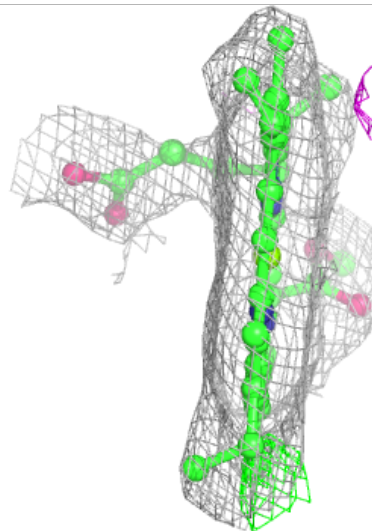
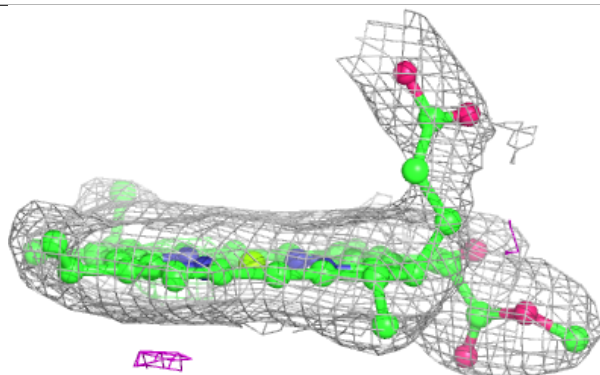
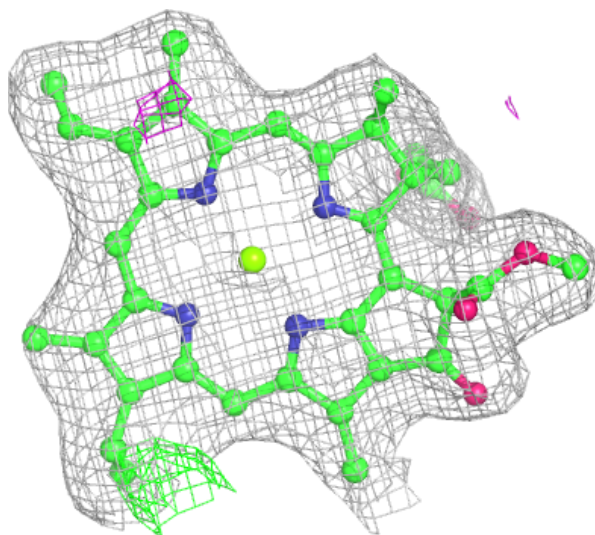
**Electron density around CLA B 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



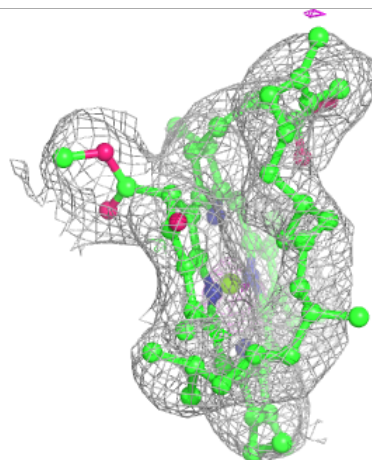
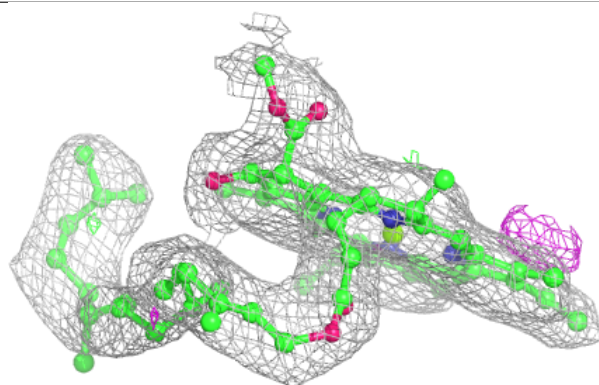
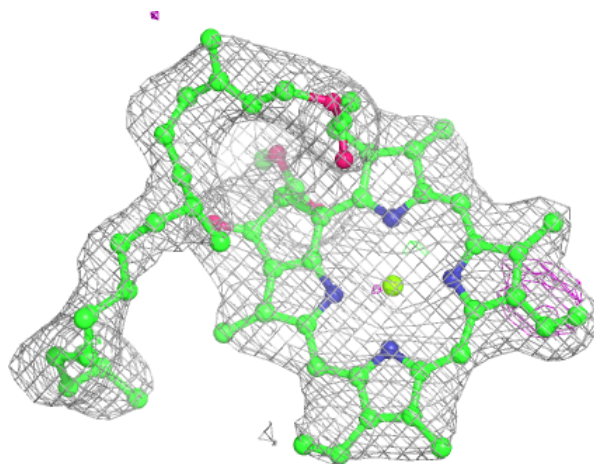
**Electron density around CLA B 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



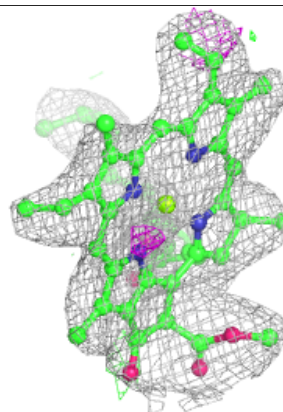
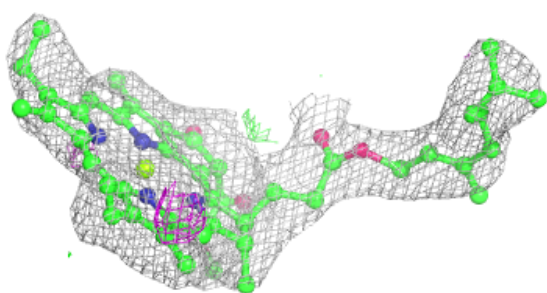
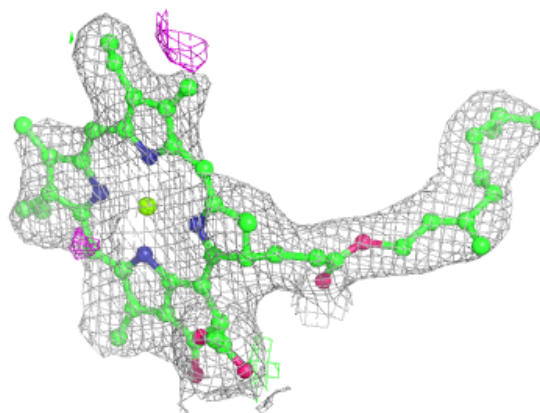
**Electron density around CLA B 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B 832:**

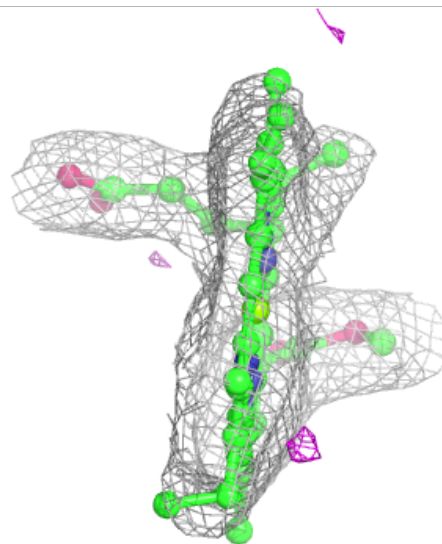
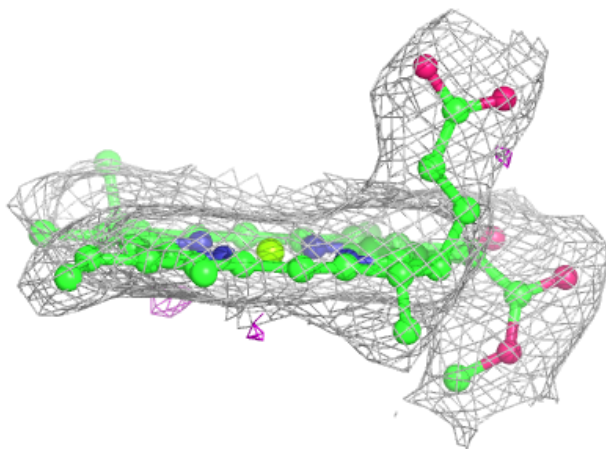
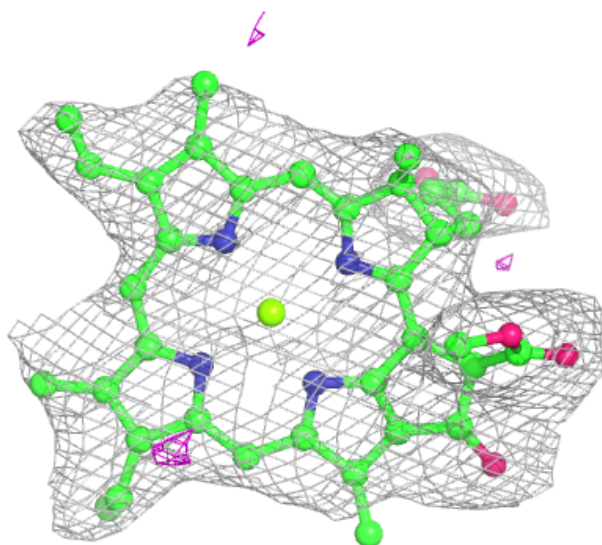
$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)





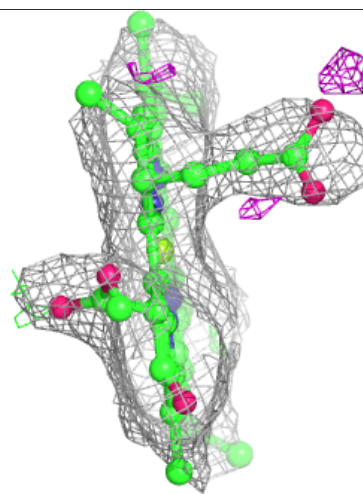
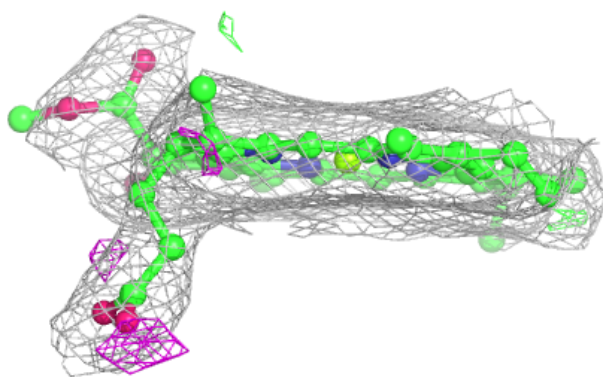
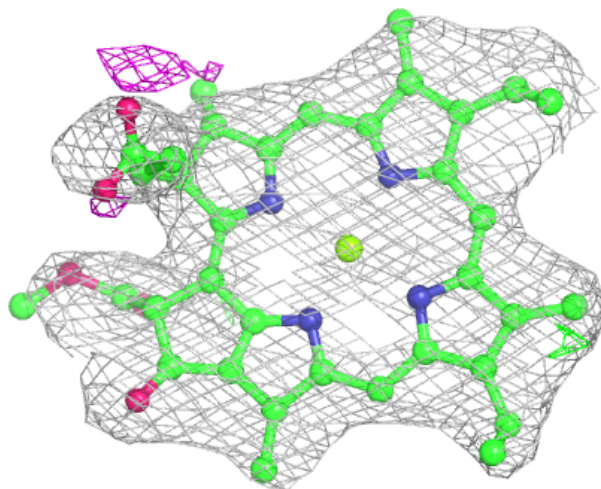
**Electron density around CLA B 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



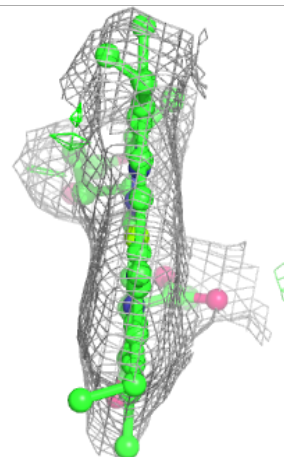
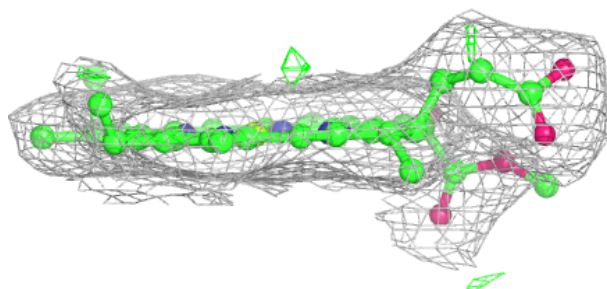
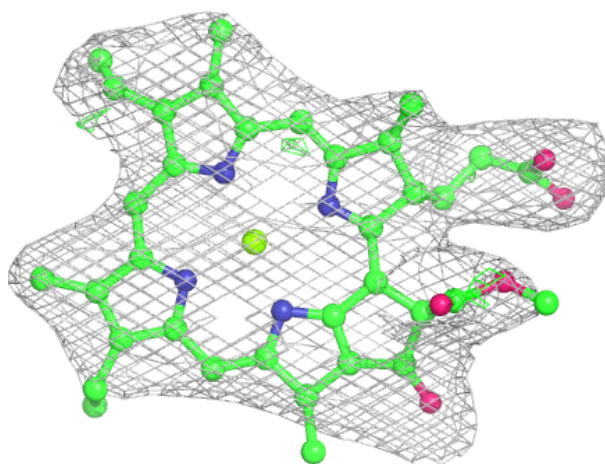
**Electron density around CLA B 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



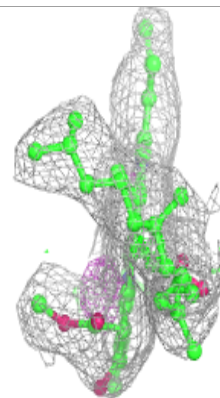
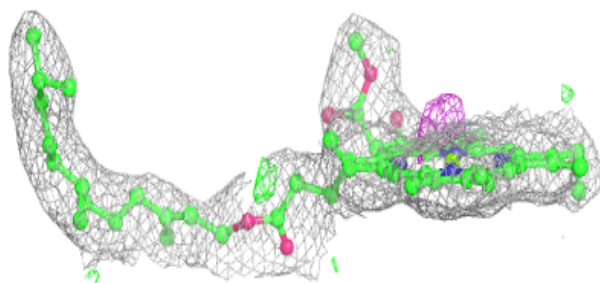
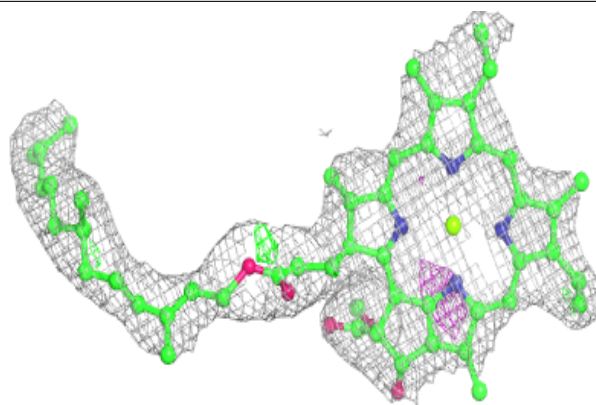
**Electron density around CLA B 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

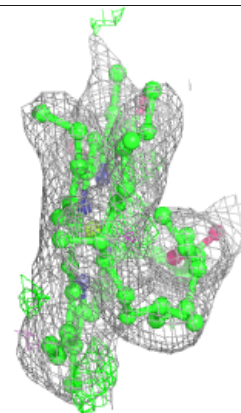
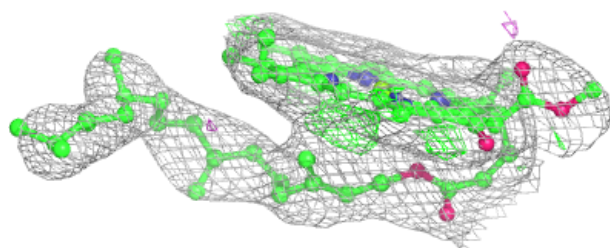
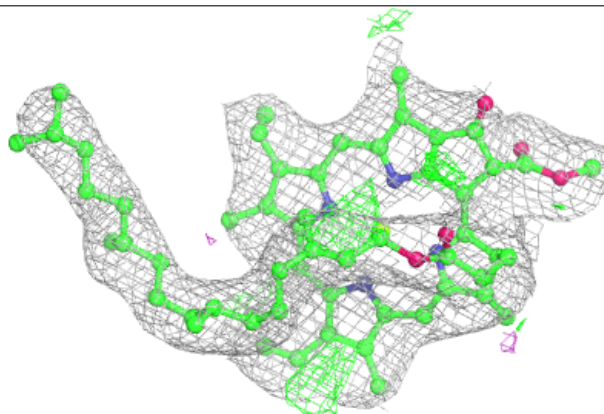


**Electron density around CLA B 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

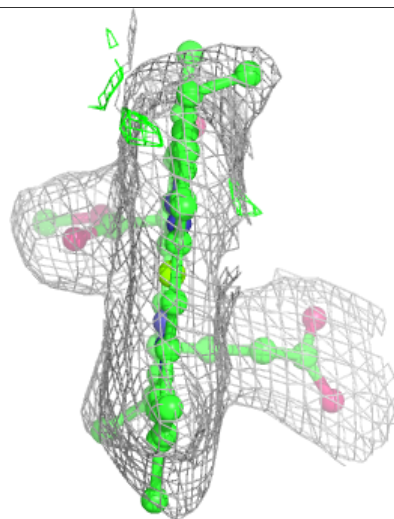
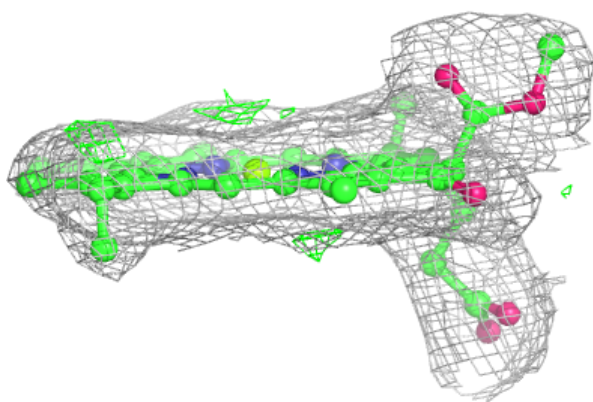
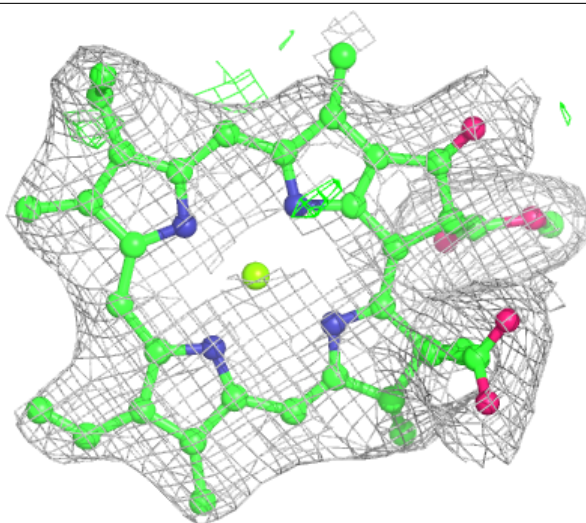
**Electron density around CLA B 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B 838:**

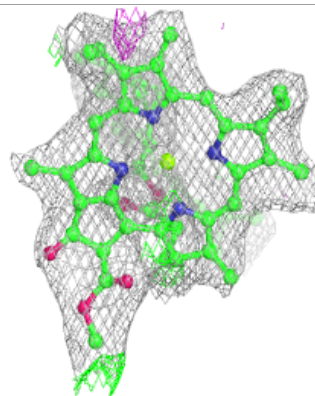
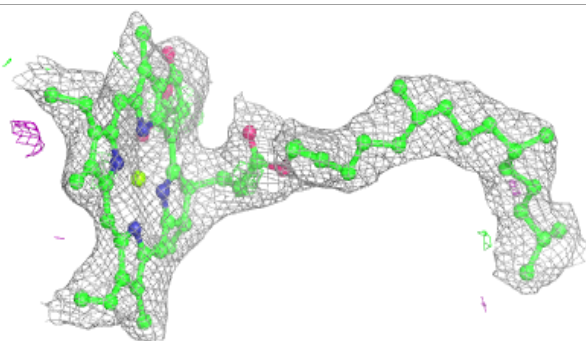
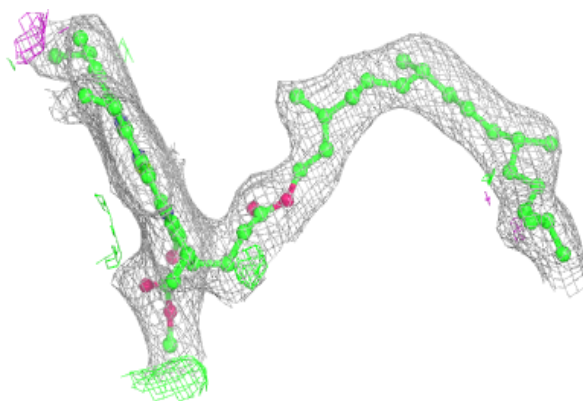
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



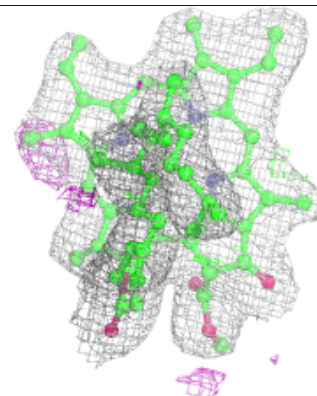
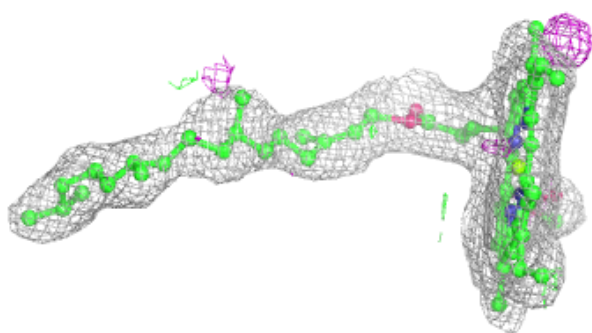
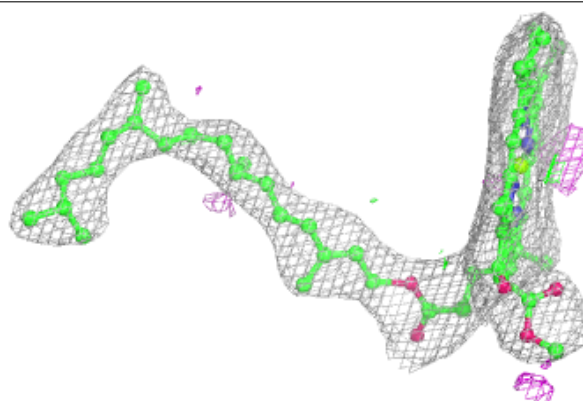


**Electron density around CLA B 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

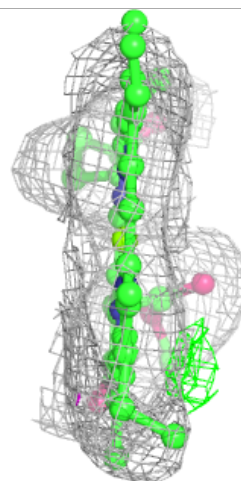
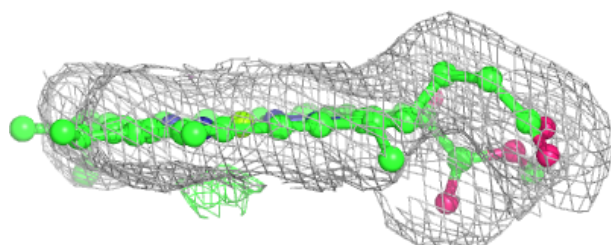
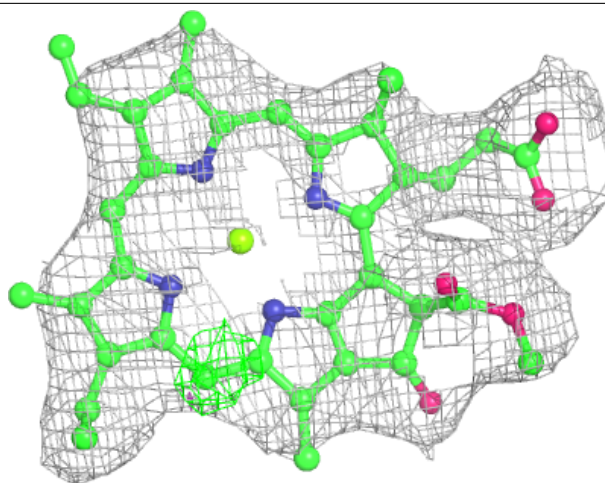
**Electron density around CLA B 840:**

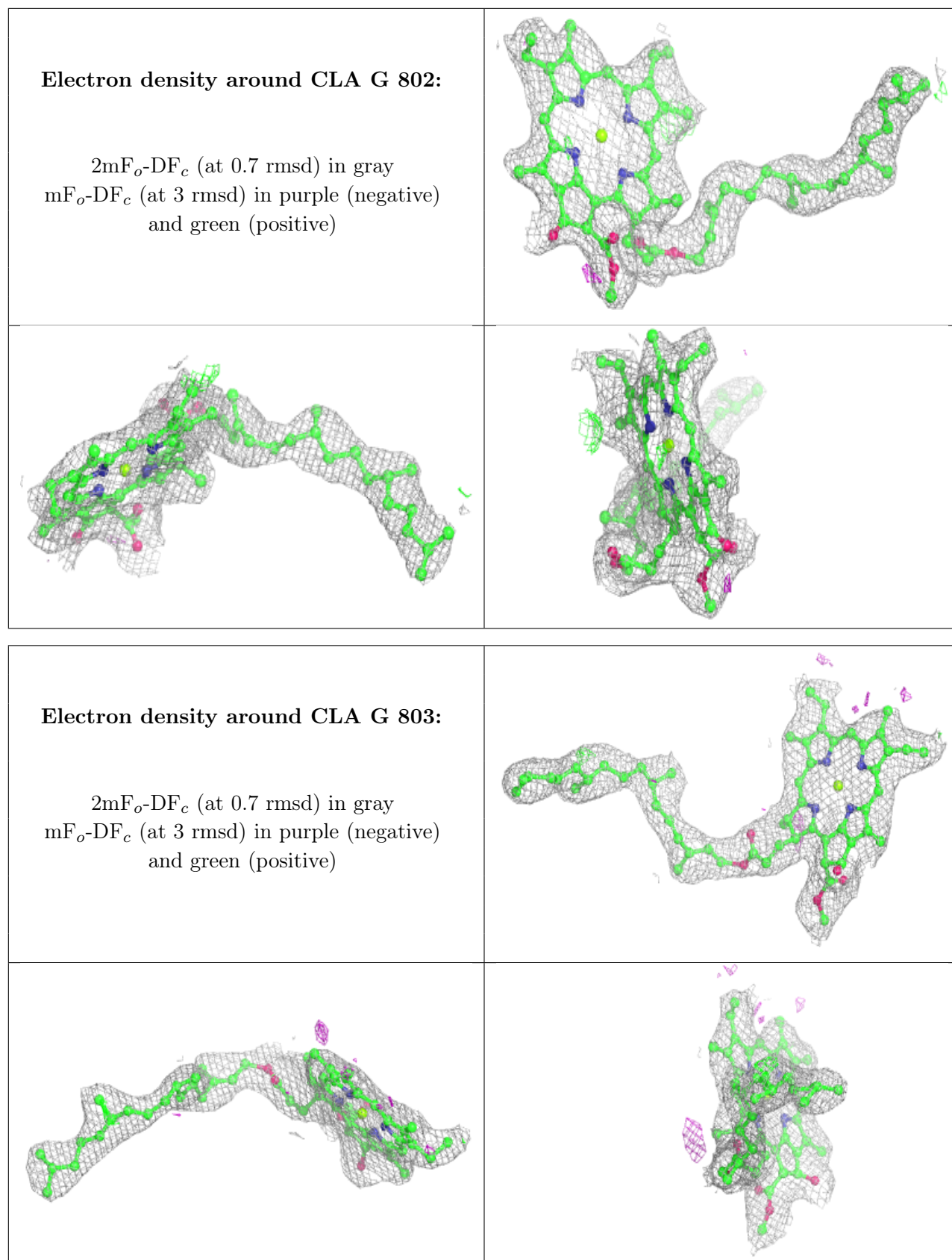
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



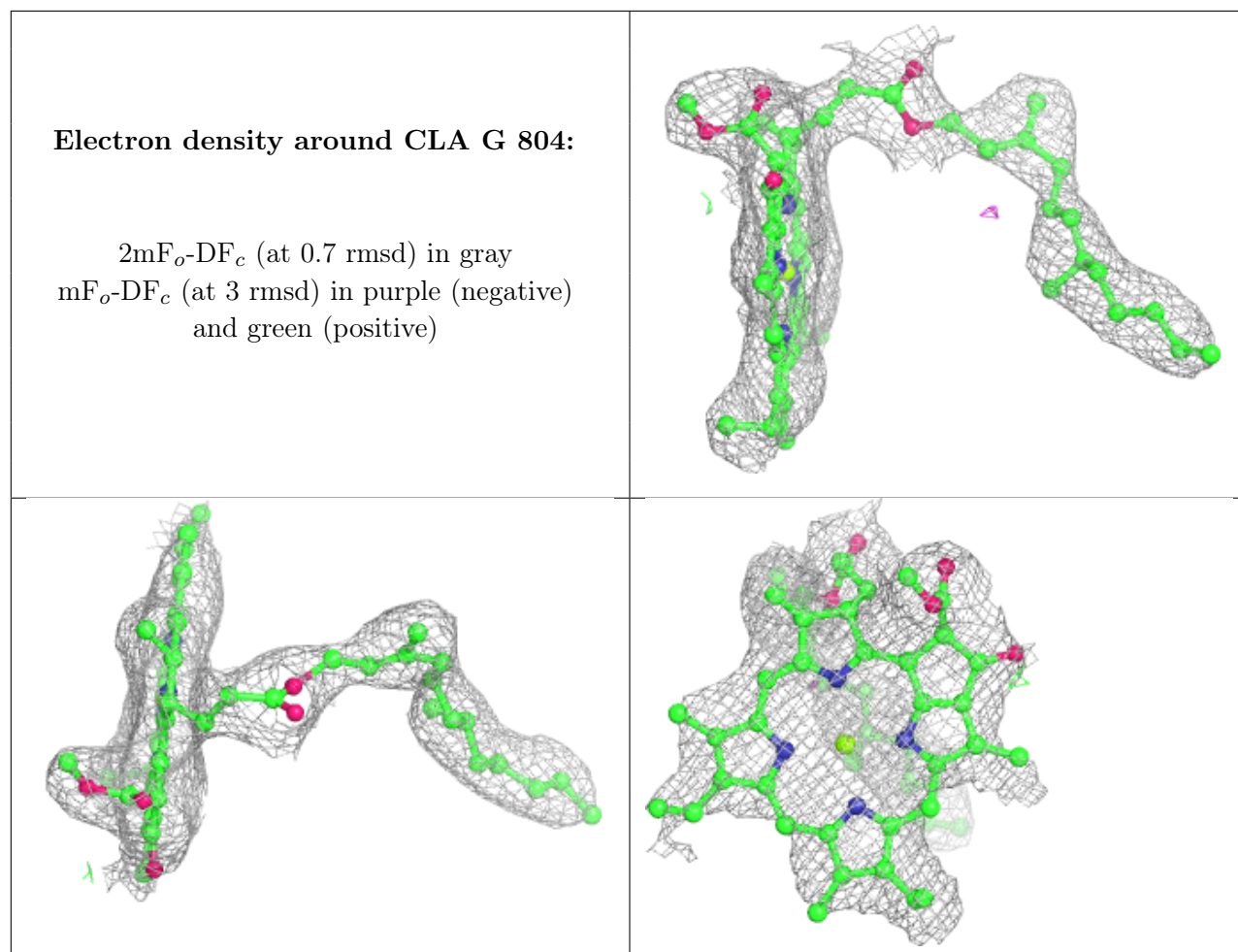
**Electron density around CLA F 202:**

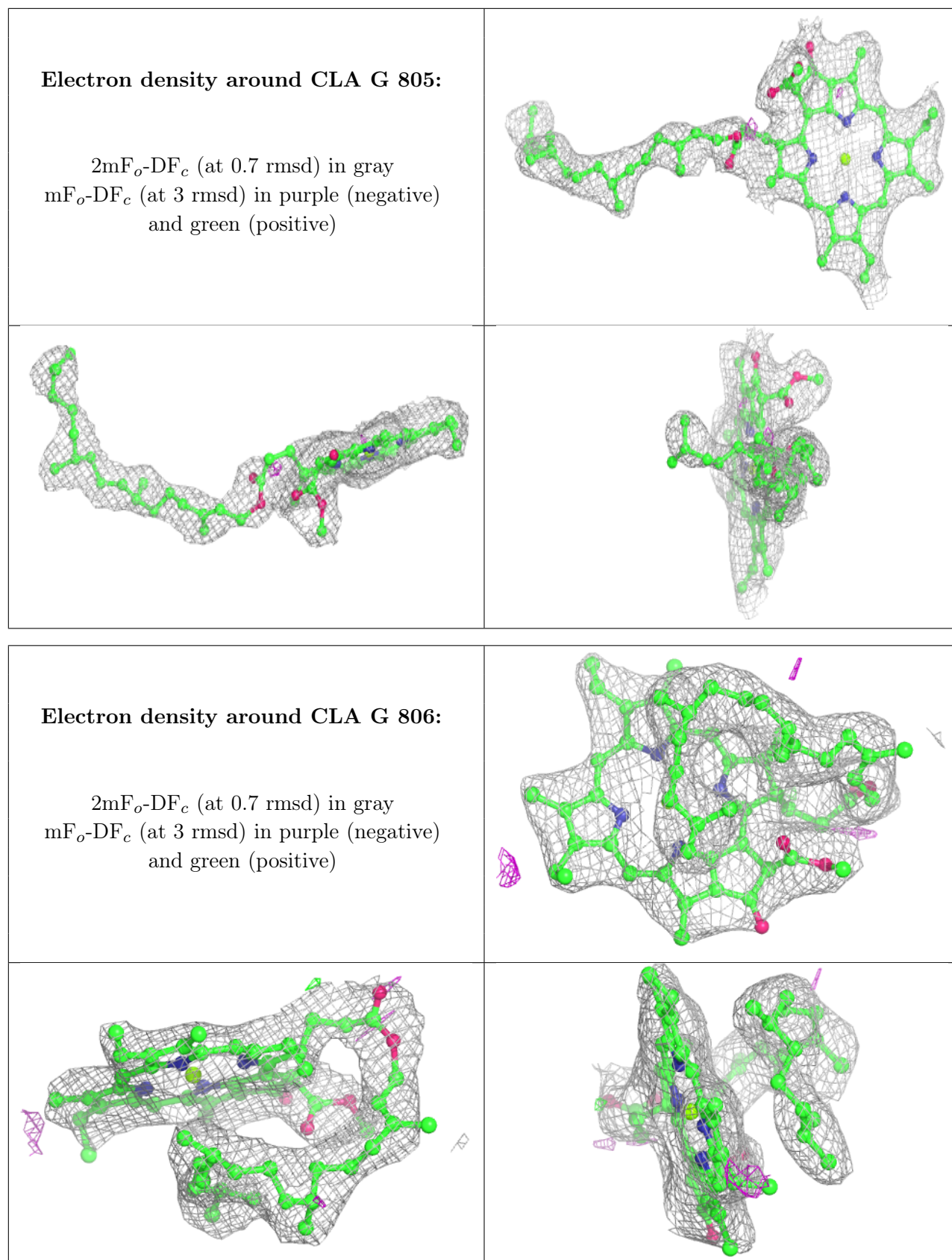
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

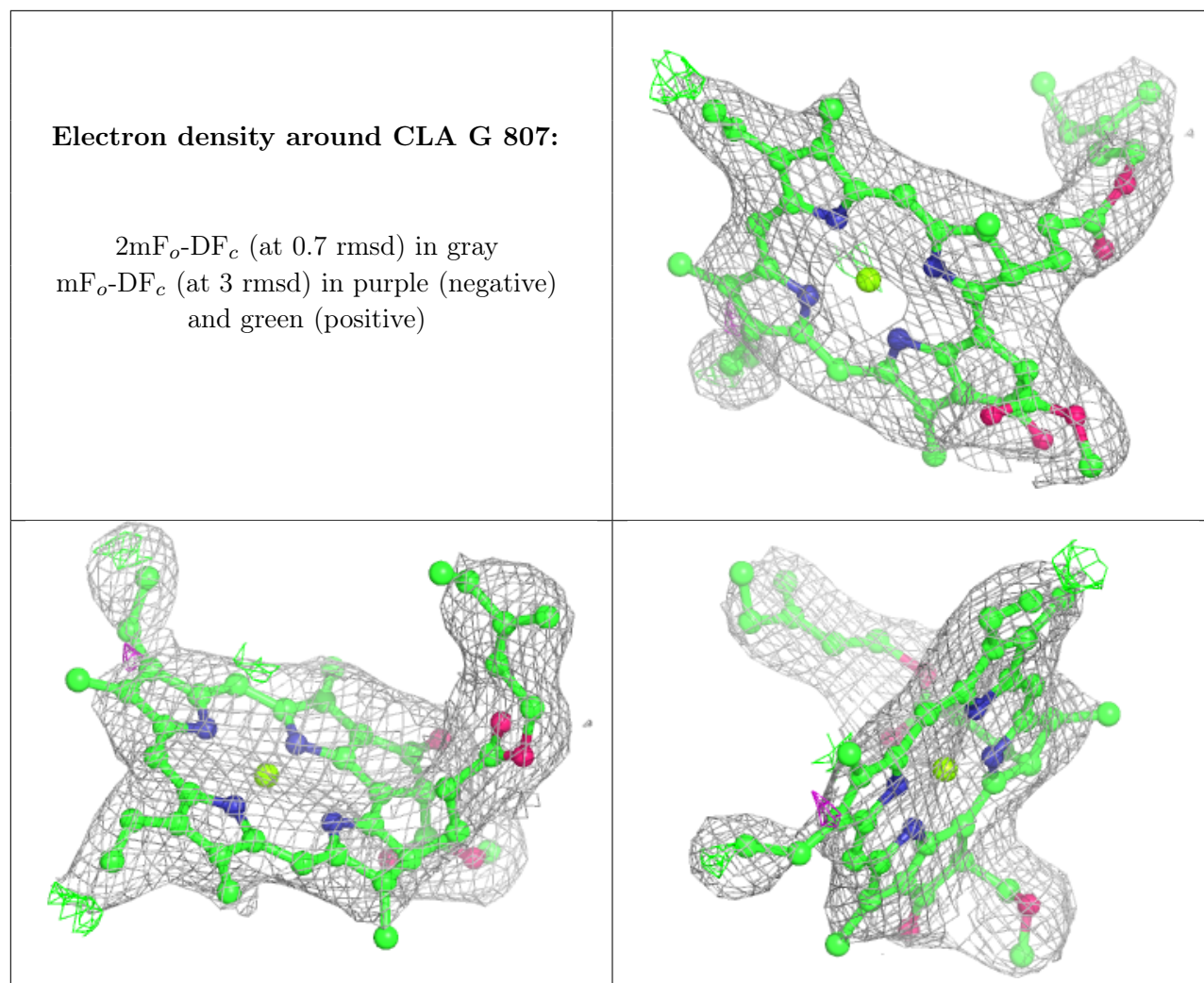






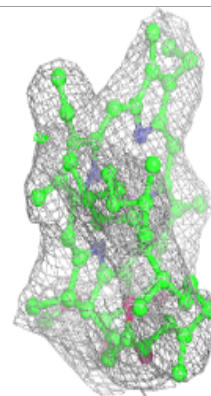
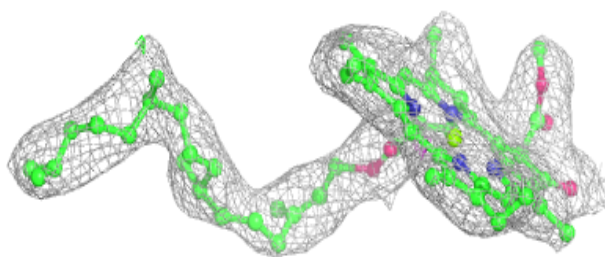
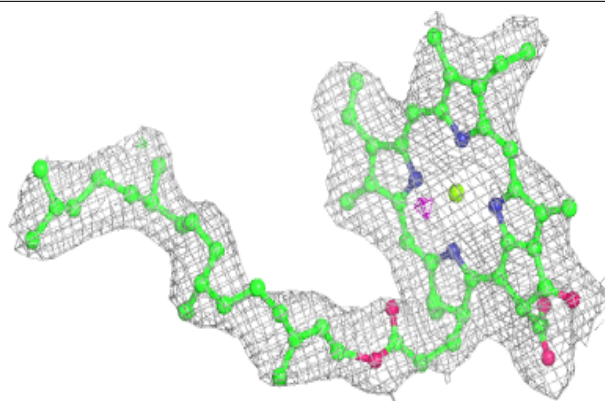




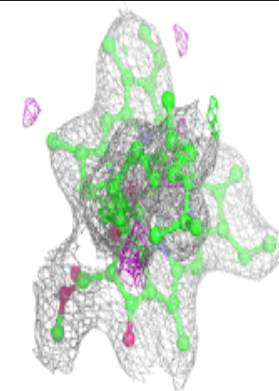
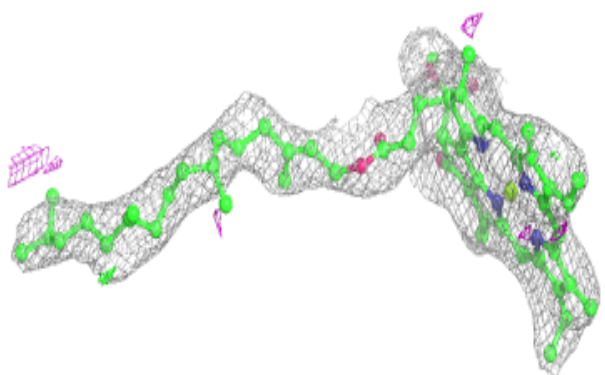
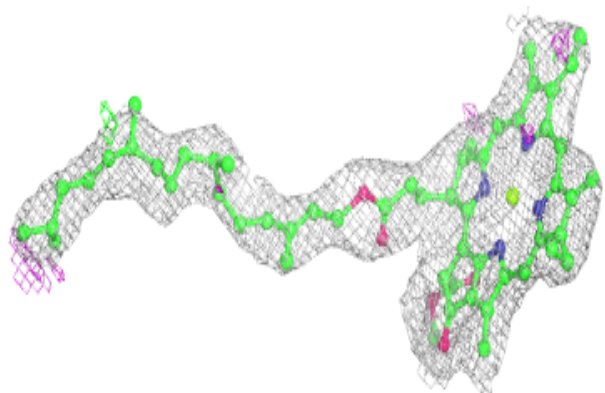


**Electron density around CLA G 808:**

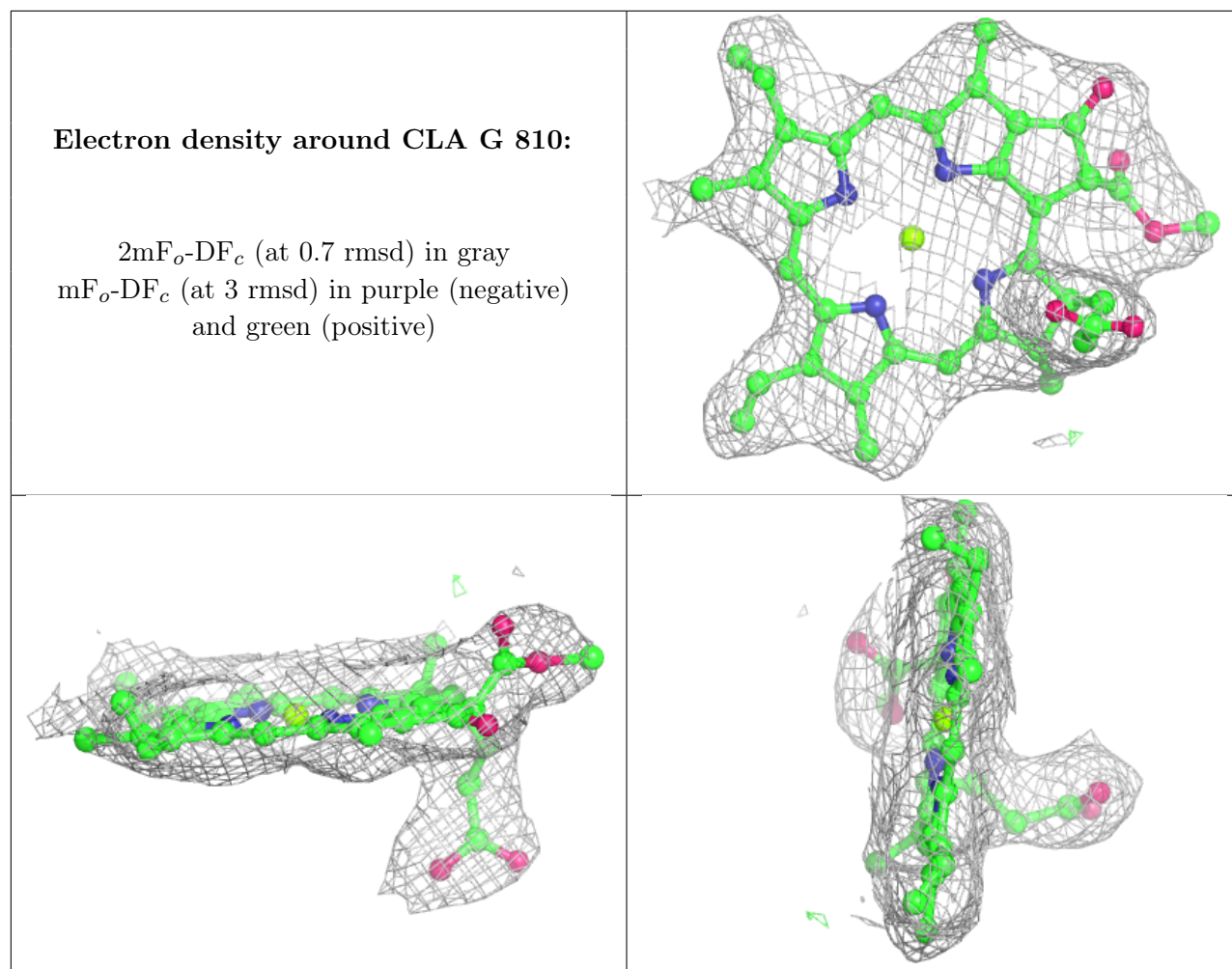
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA G 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

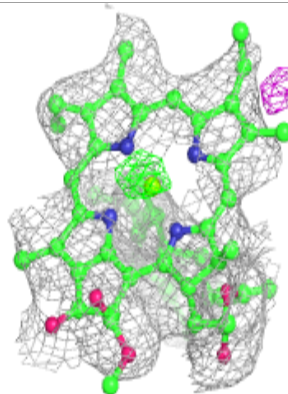
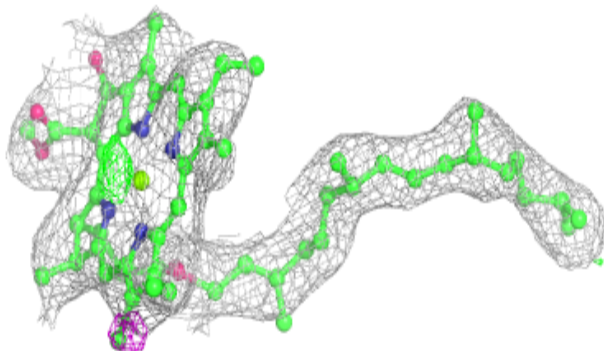
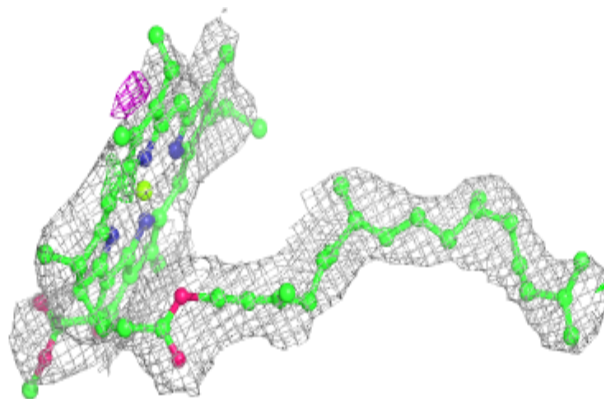




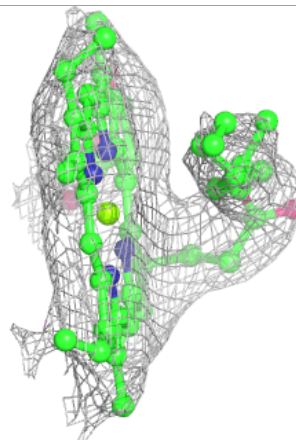
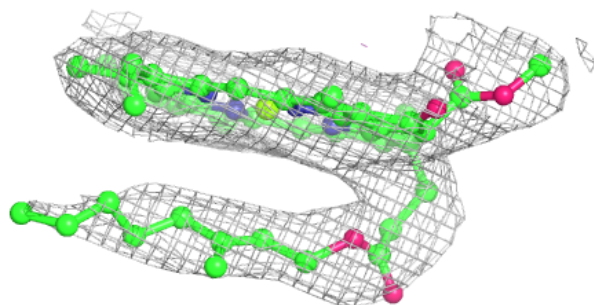
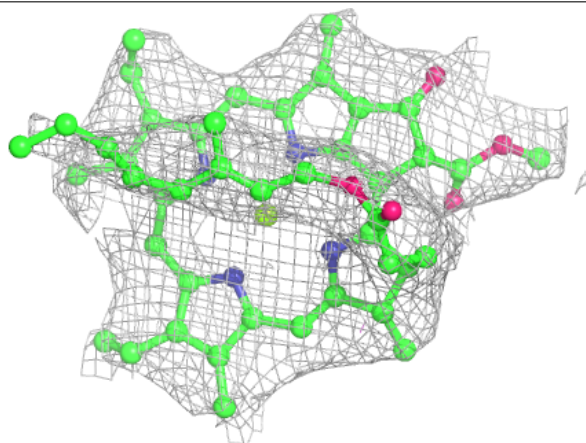


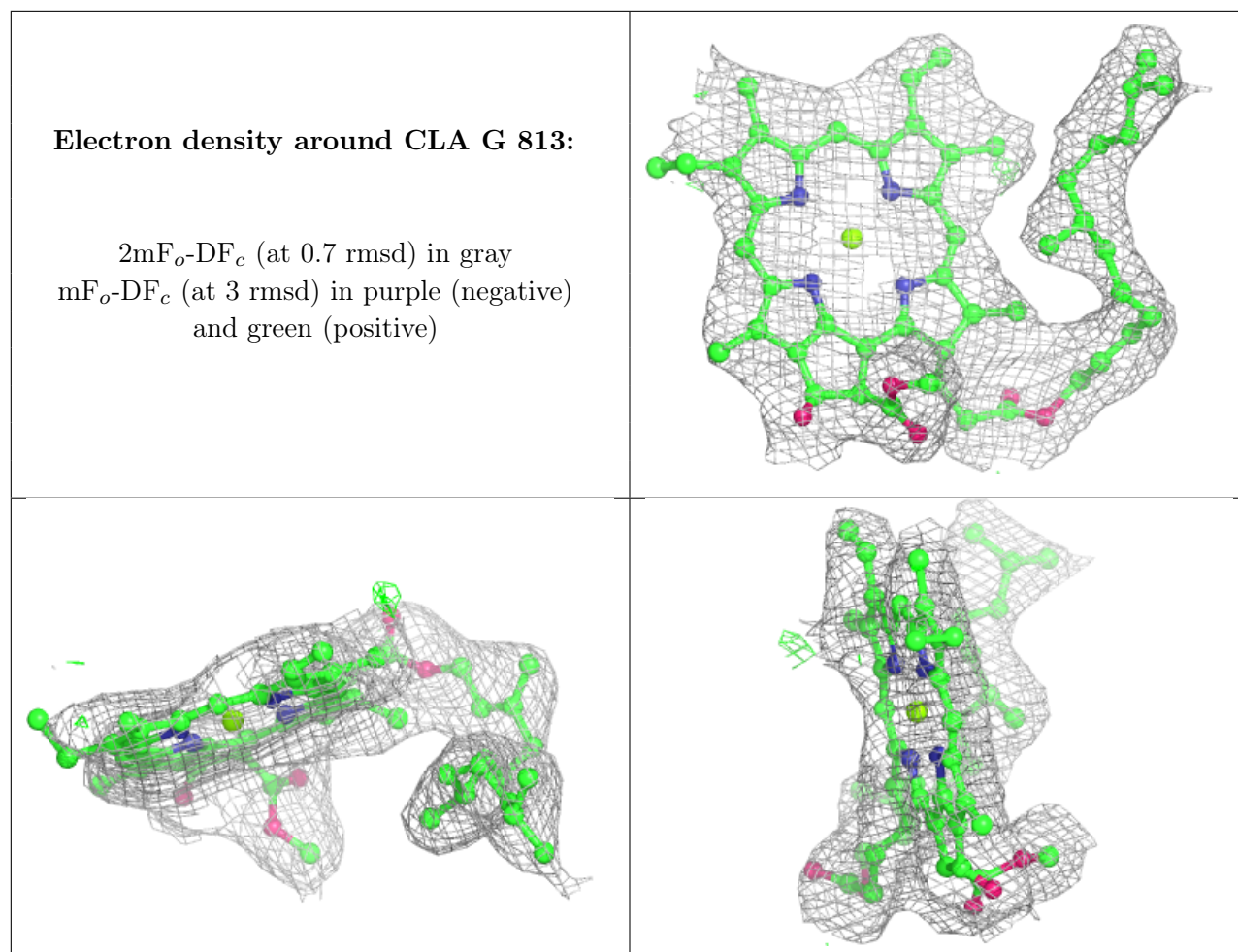
**Electron density around CLA G 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA G 812:**

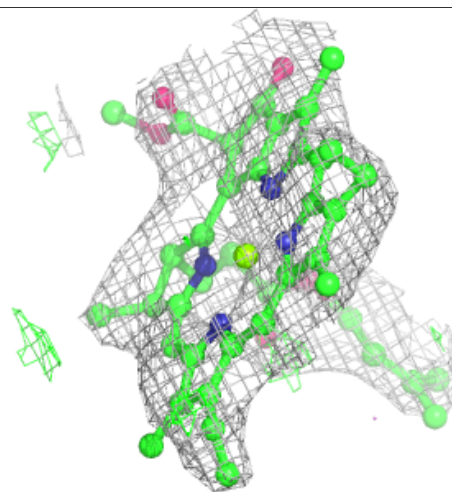
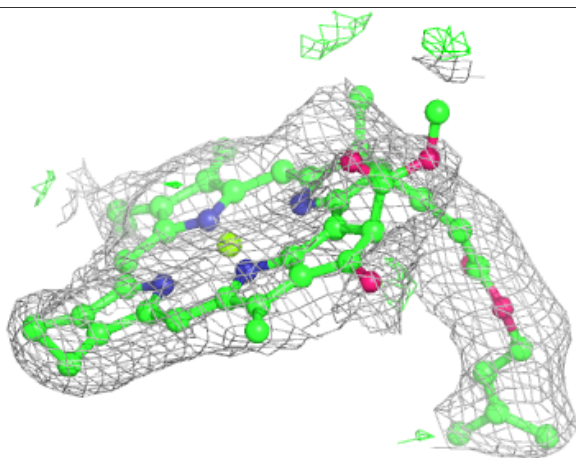
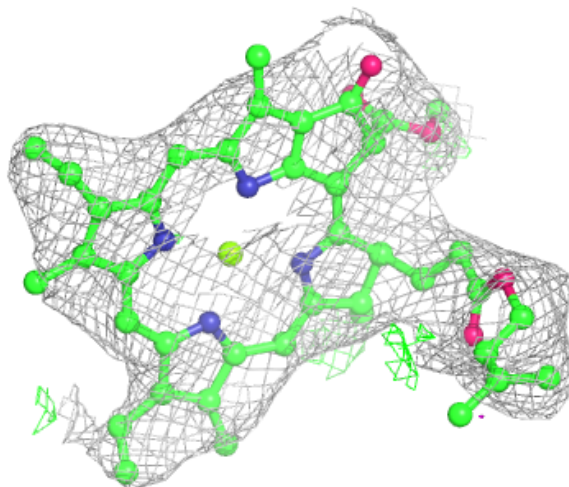
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA G 814:**

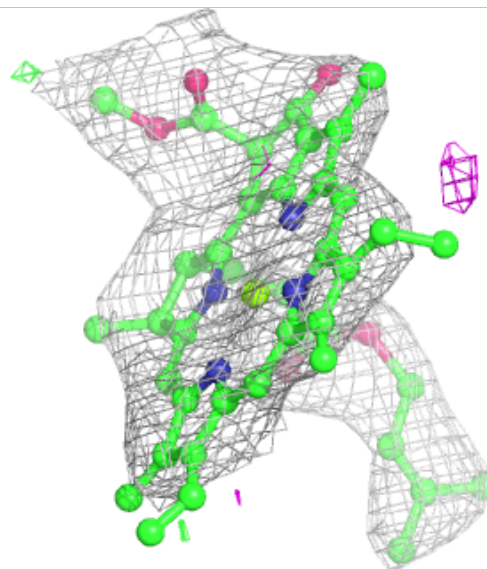
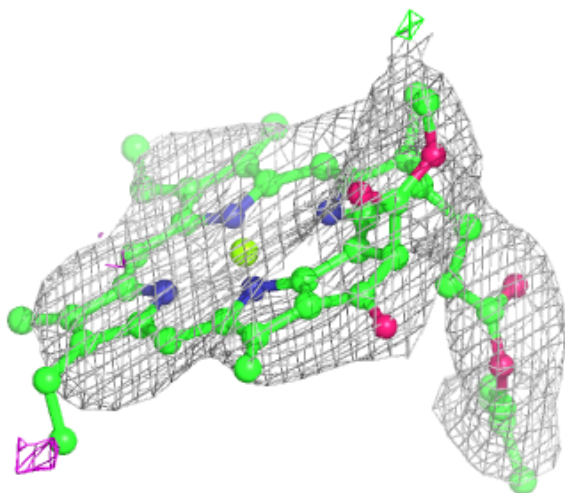
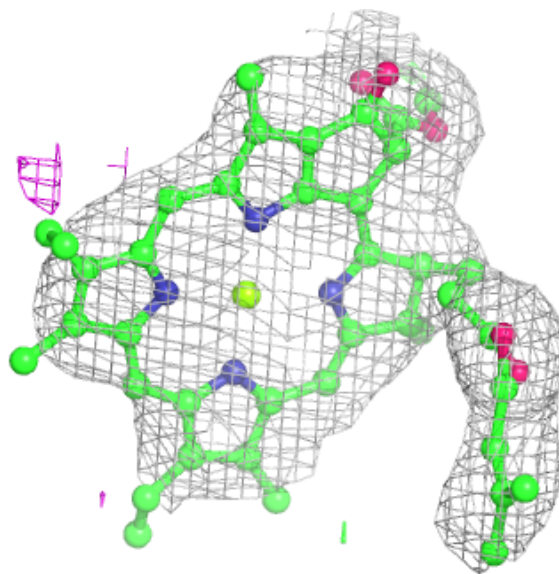
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

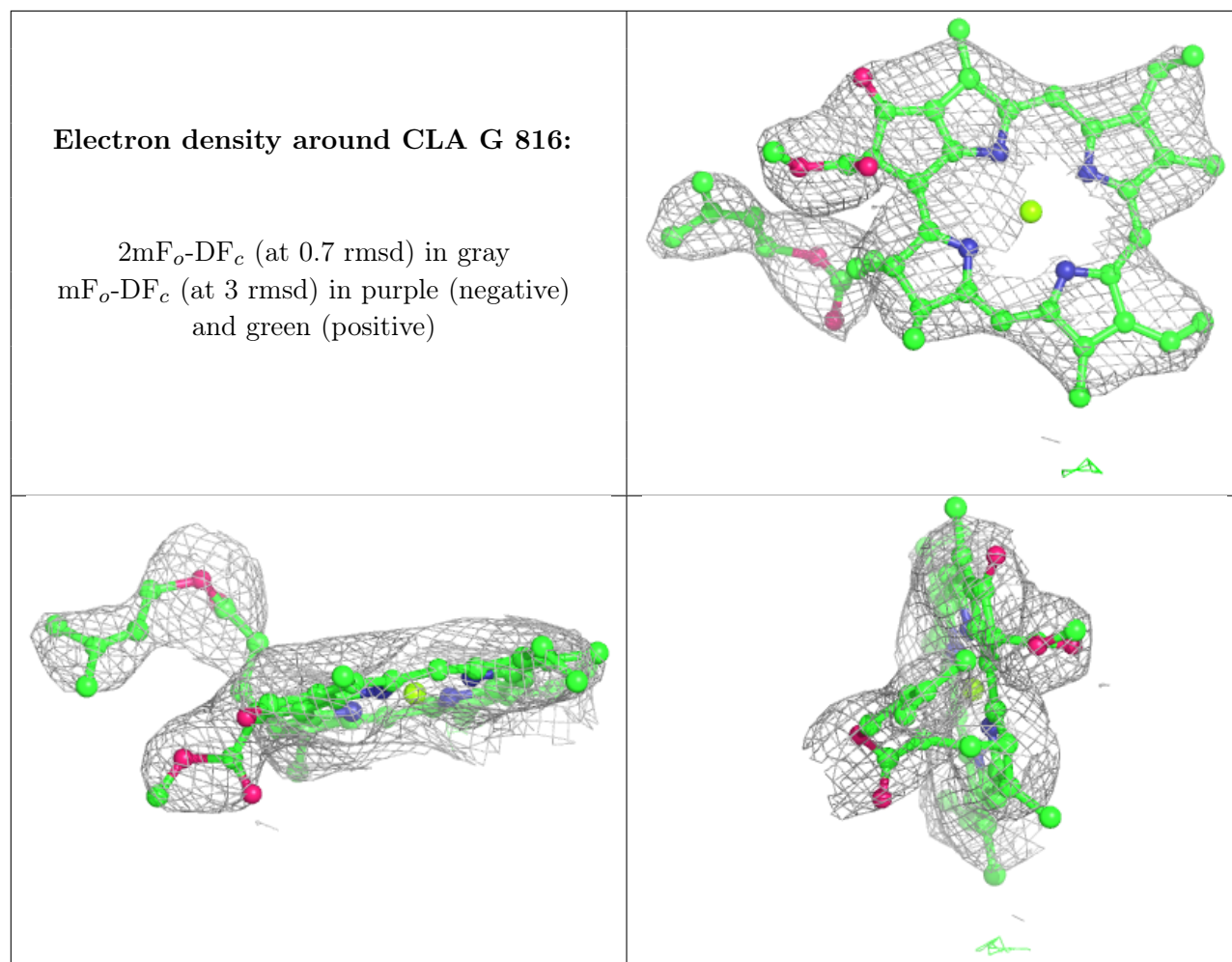




**Electron density around CLA G 815:**

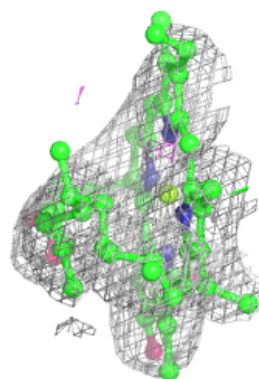
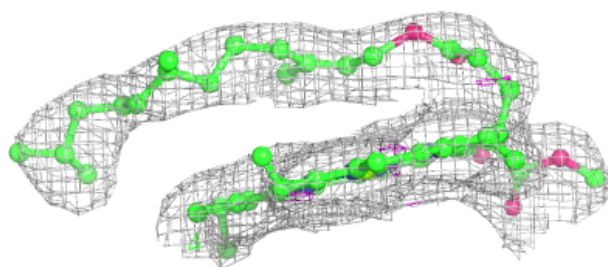
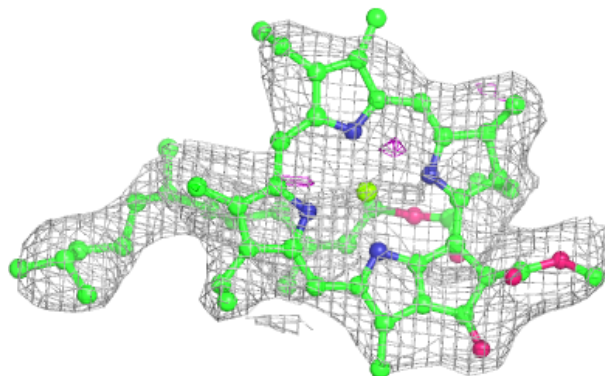
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



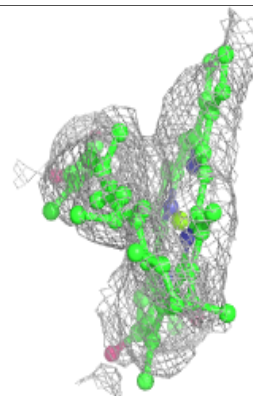
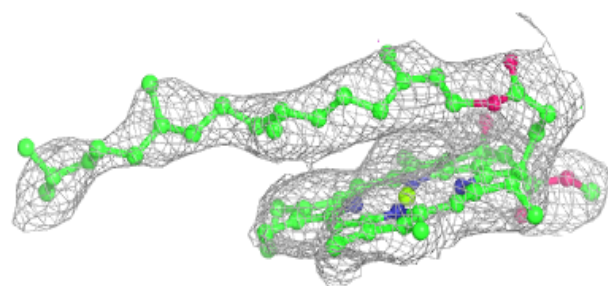
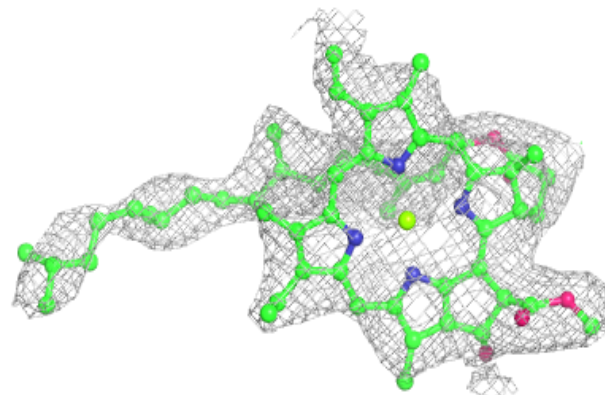


**Electron density around CLA G 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

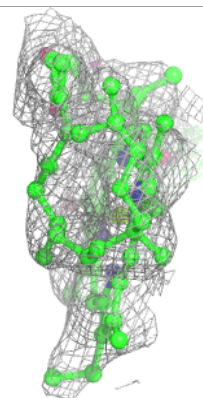
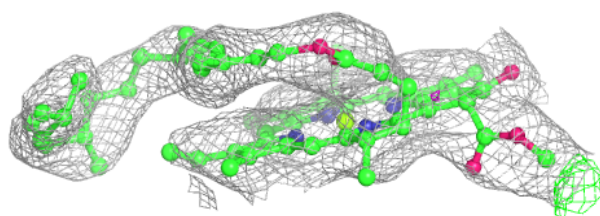
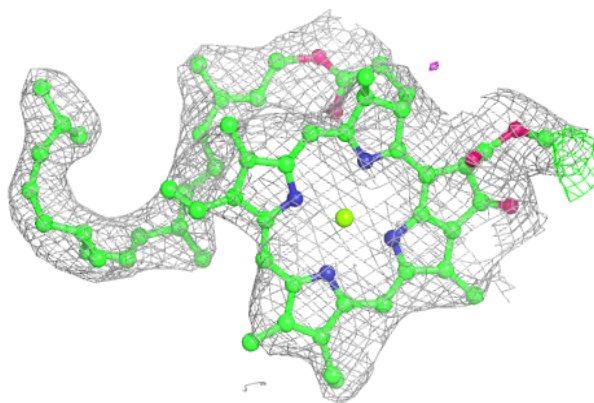
**Electron density around CLA G 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

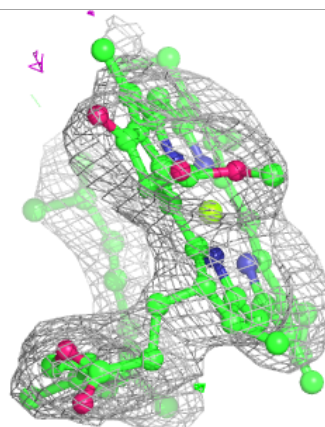
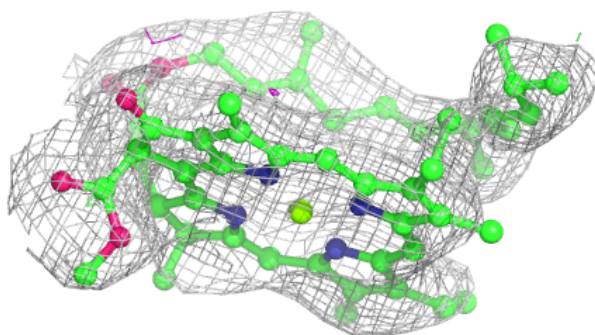
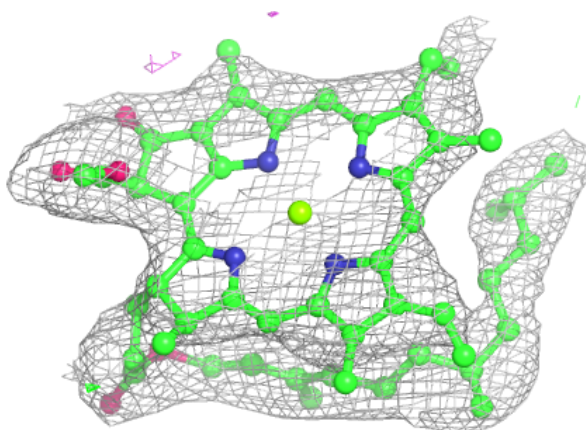


**Electron density around CLA G 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA G 820:**

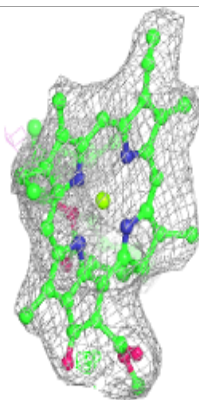
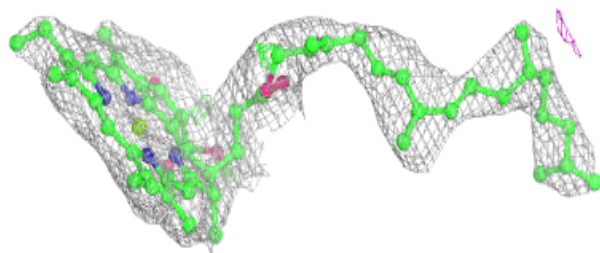
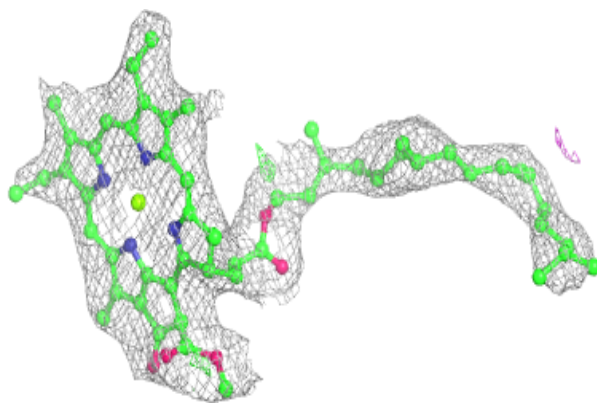
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



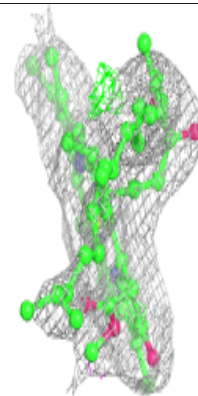
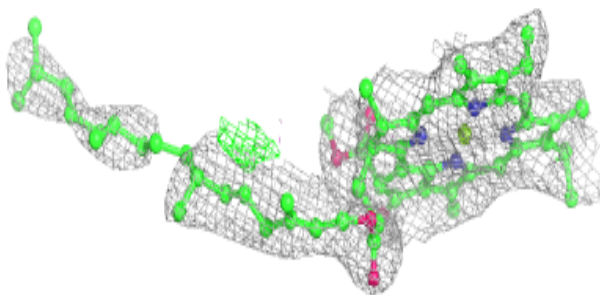
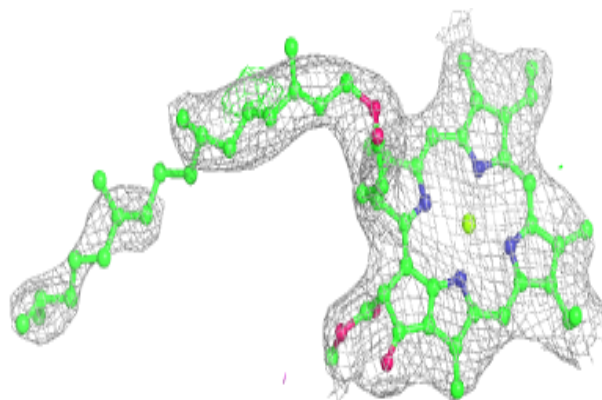


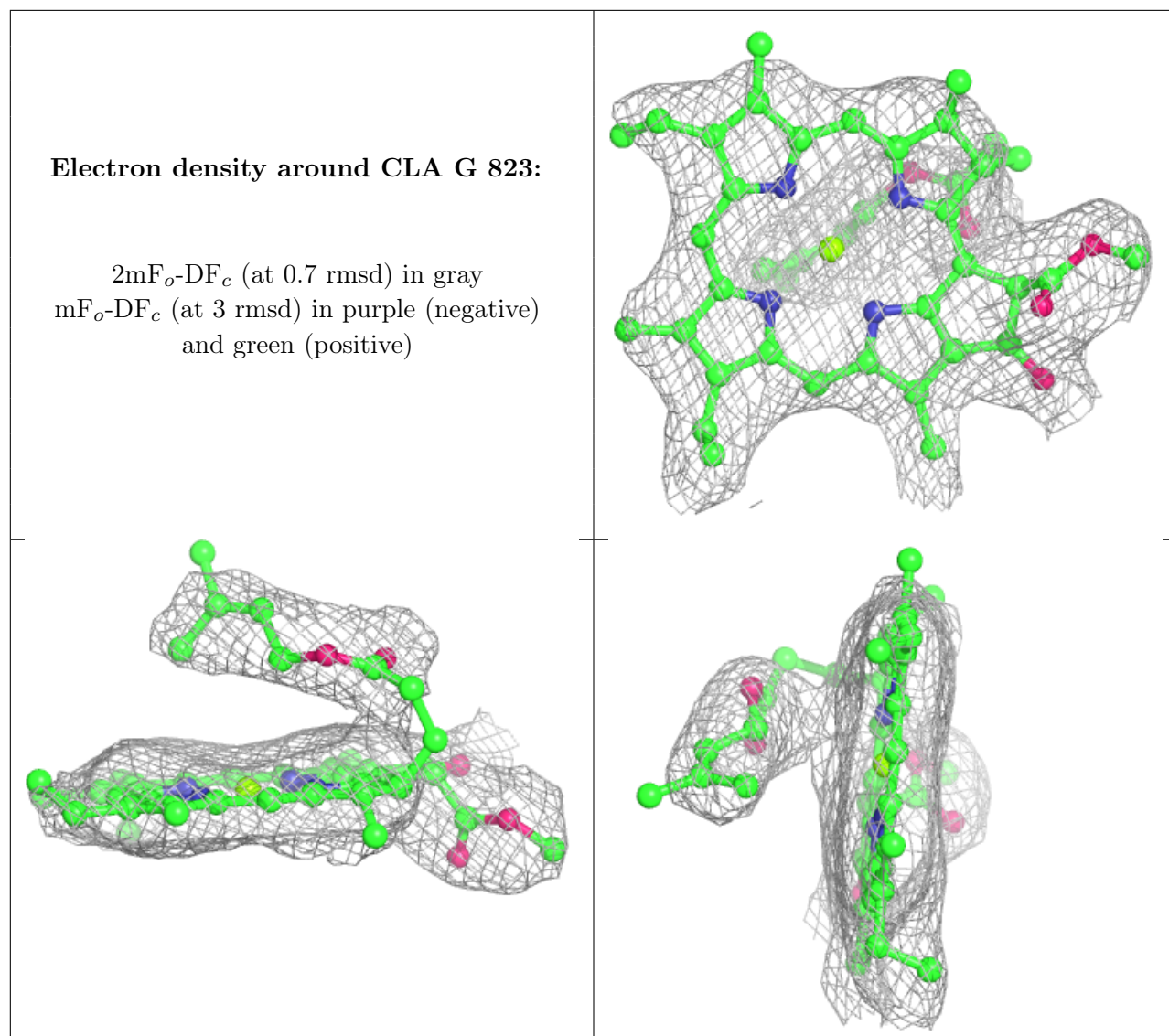
**Electron density around CLA G 821:**

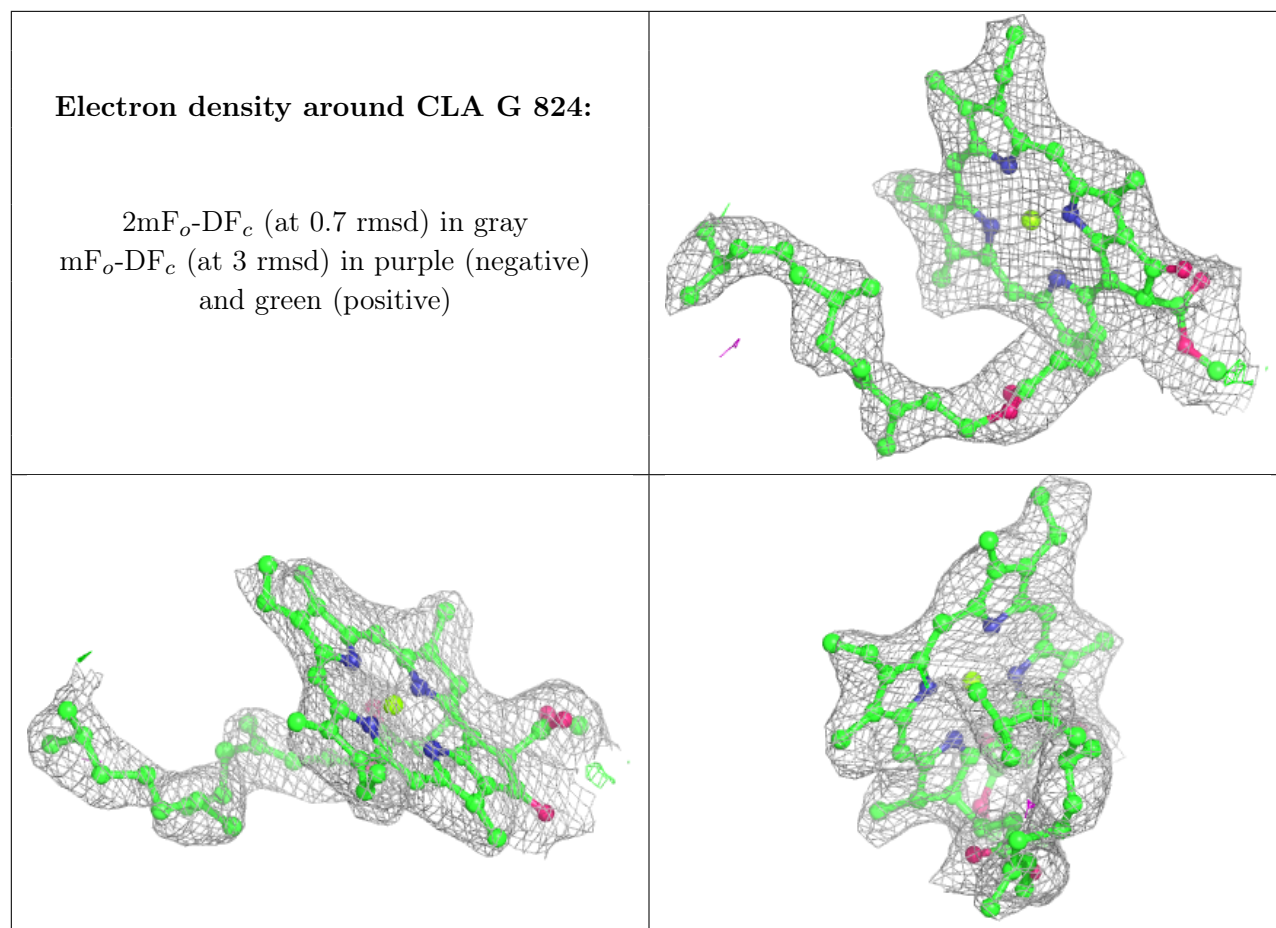
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

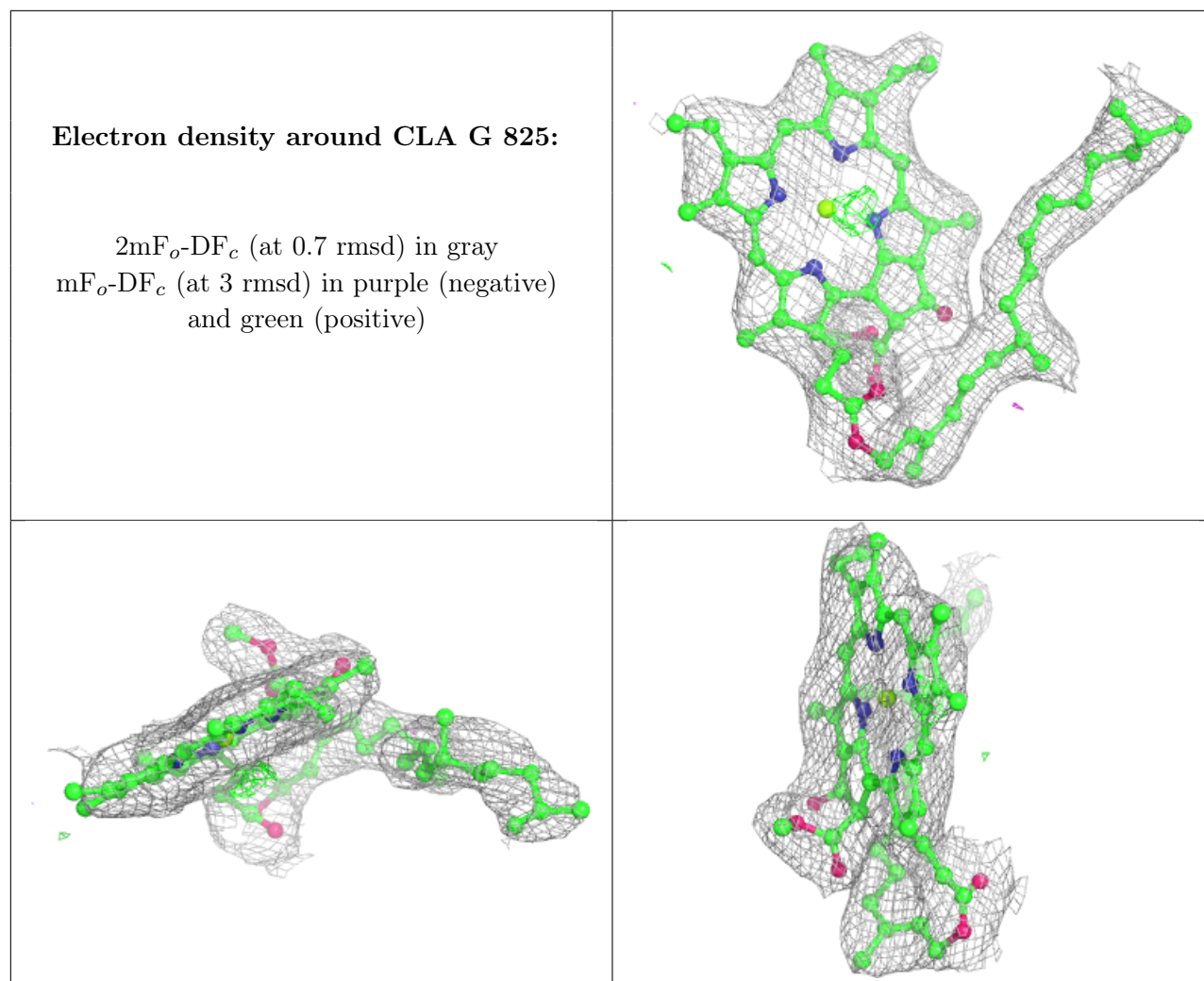
**Electron density around CLA G 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

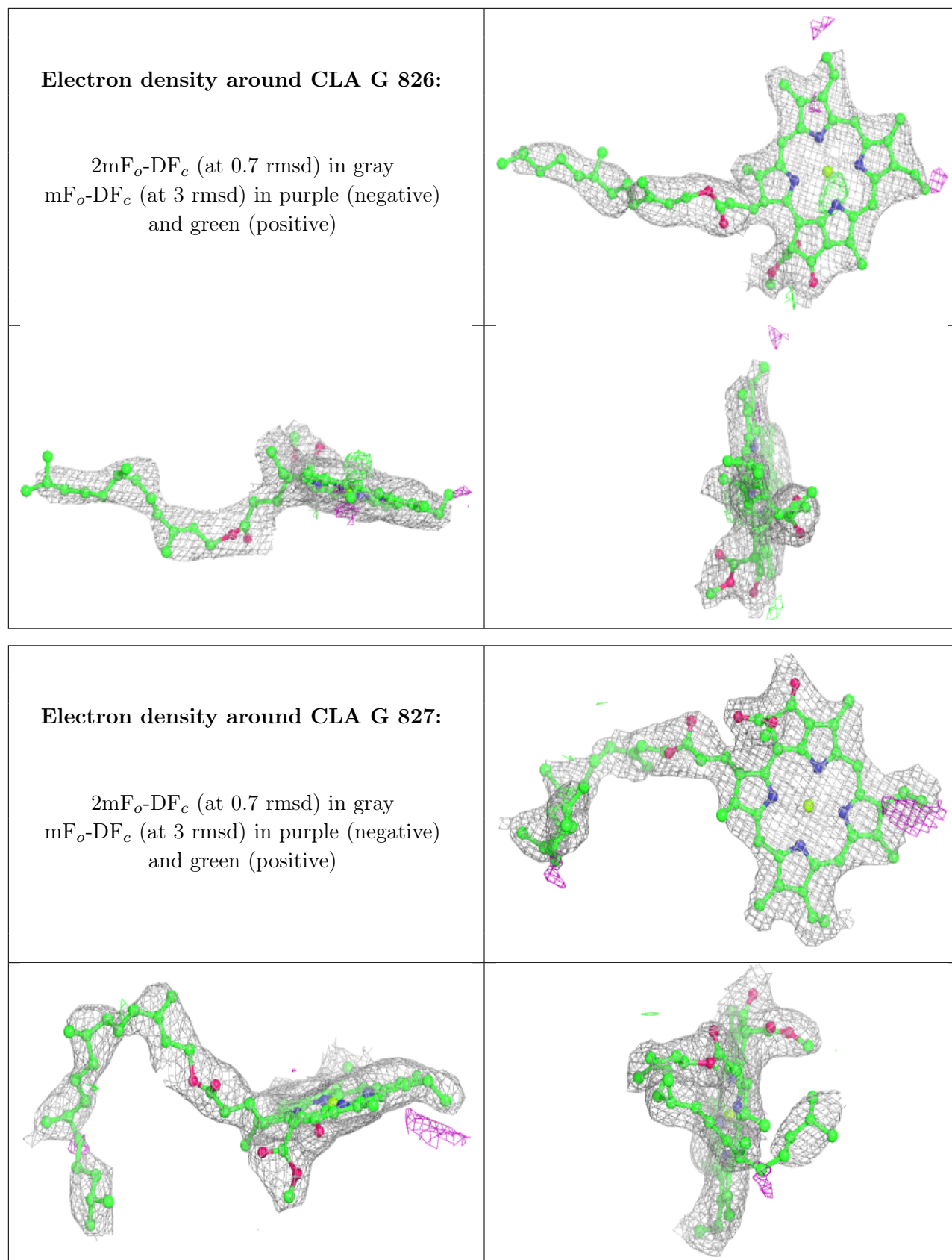


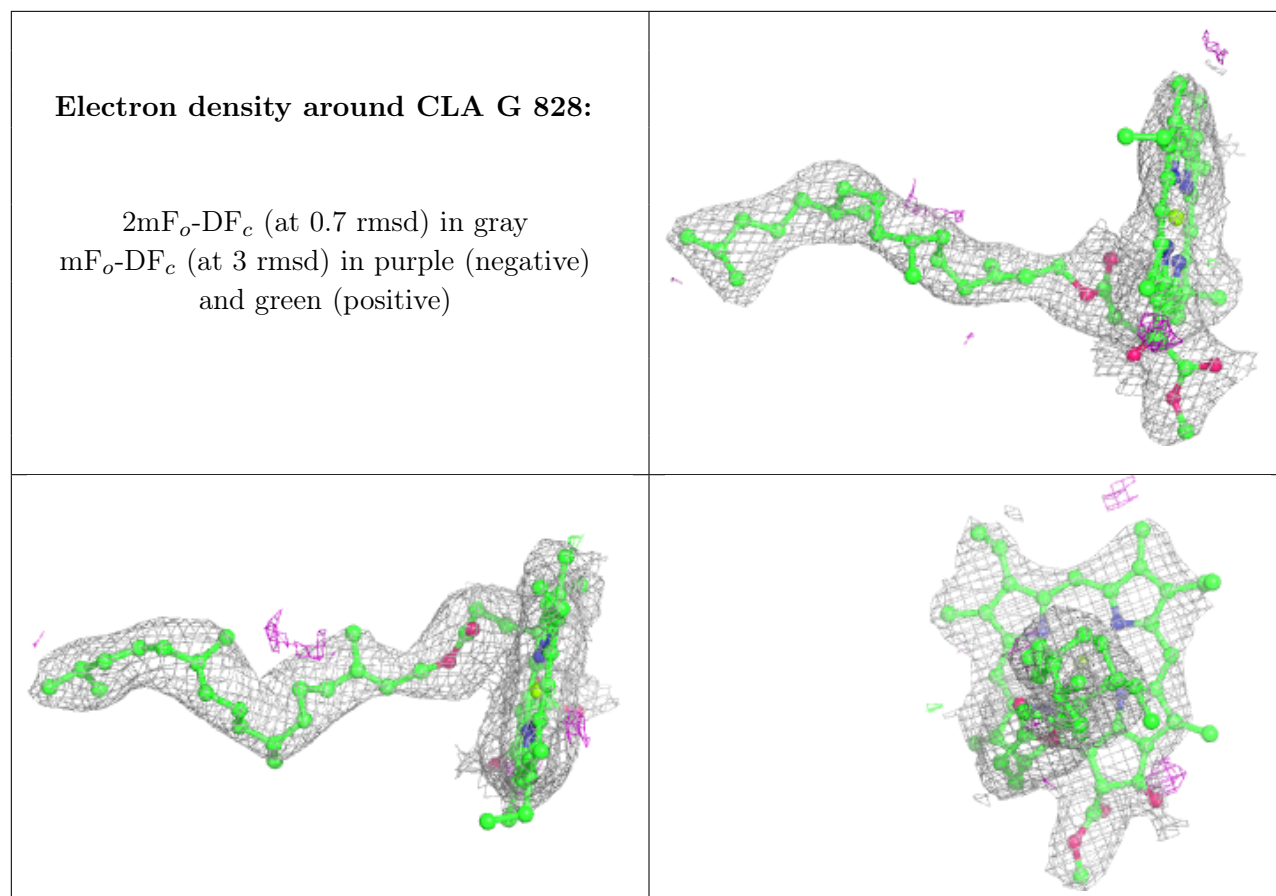


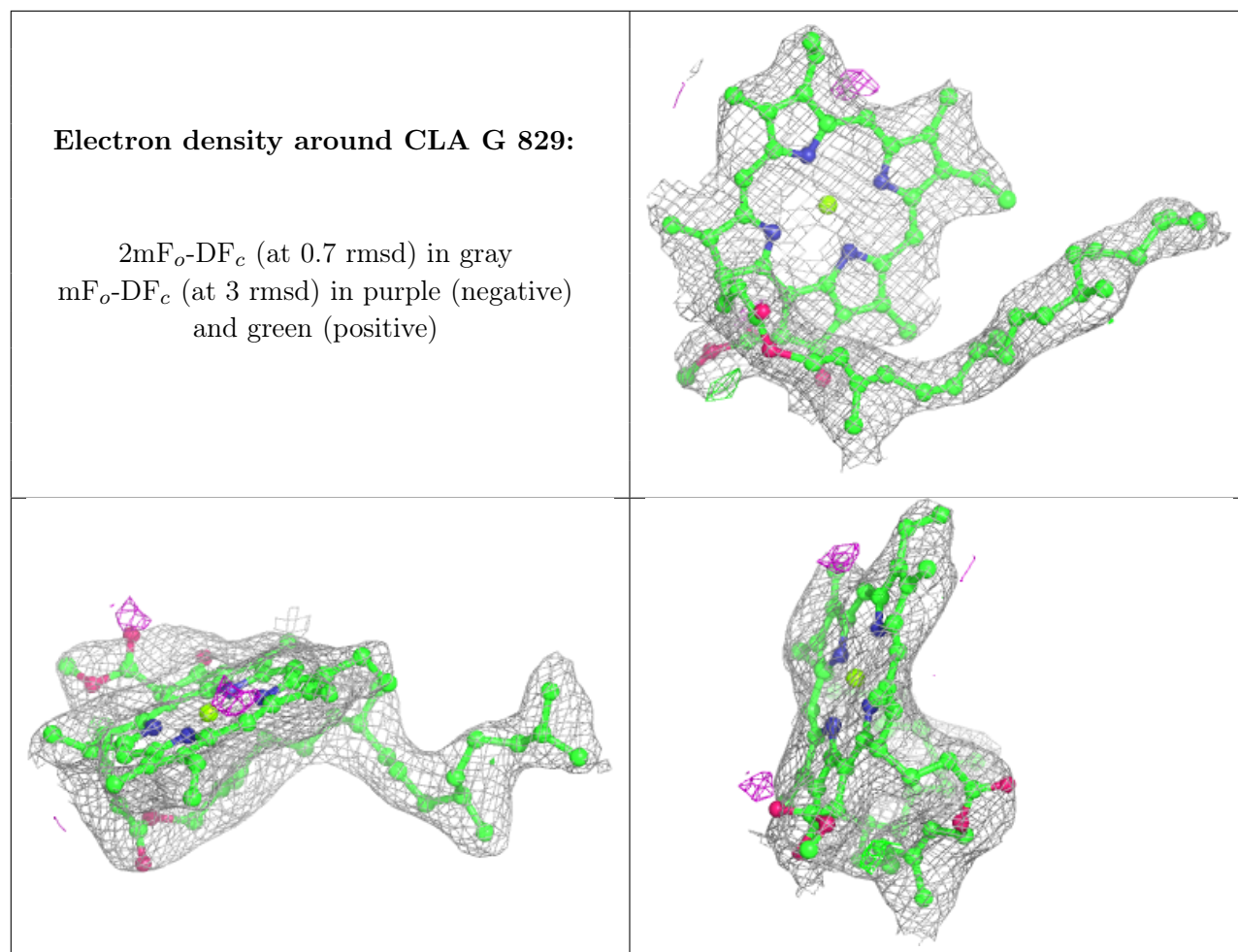


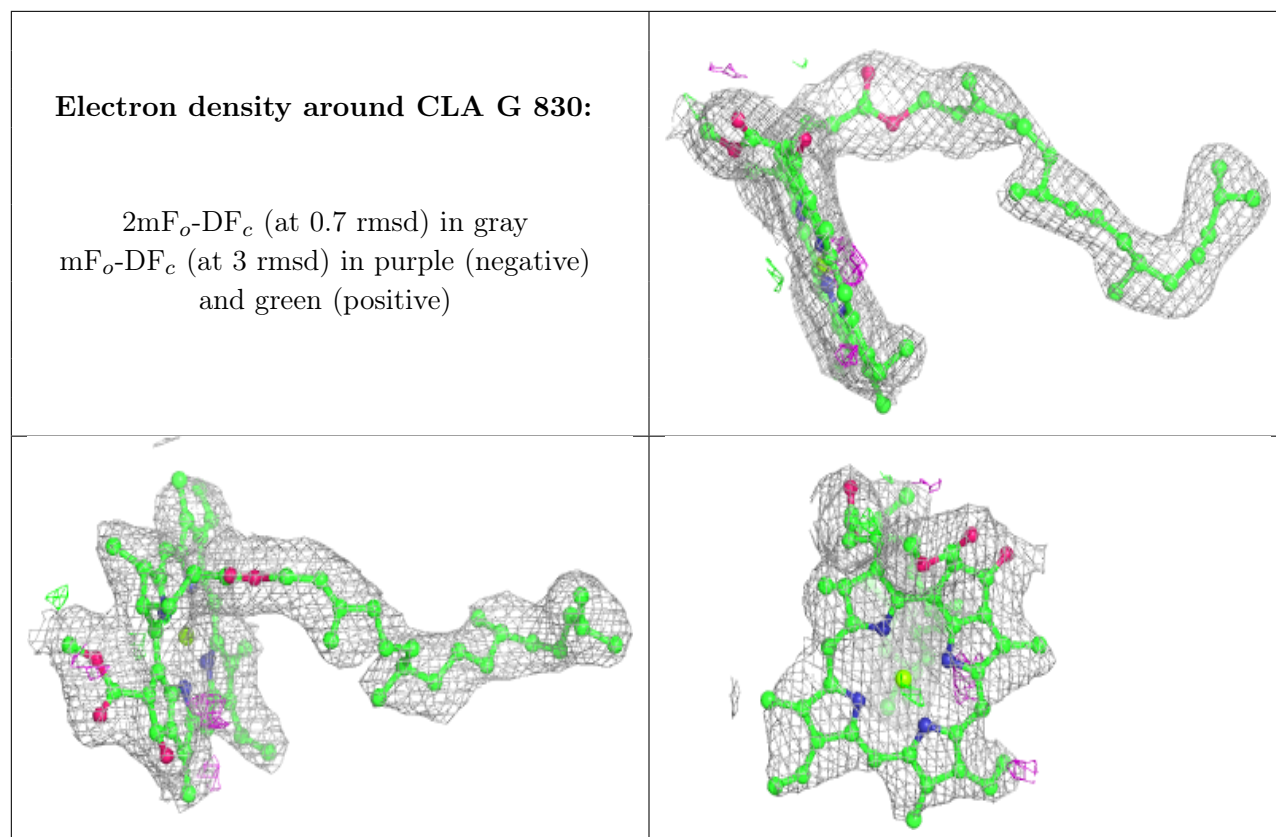


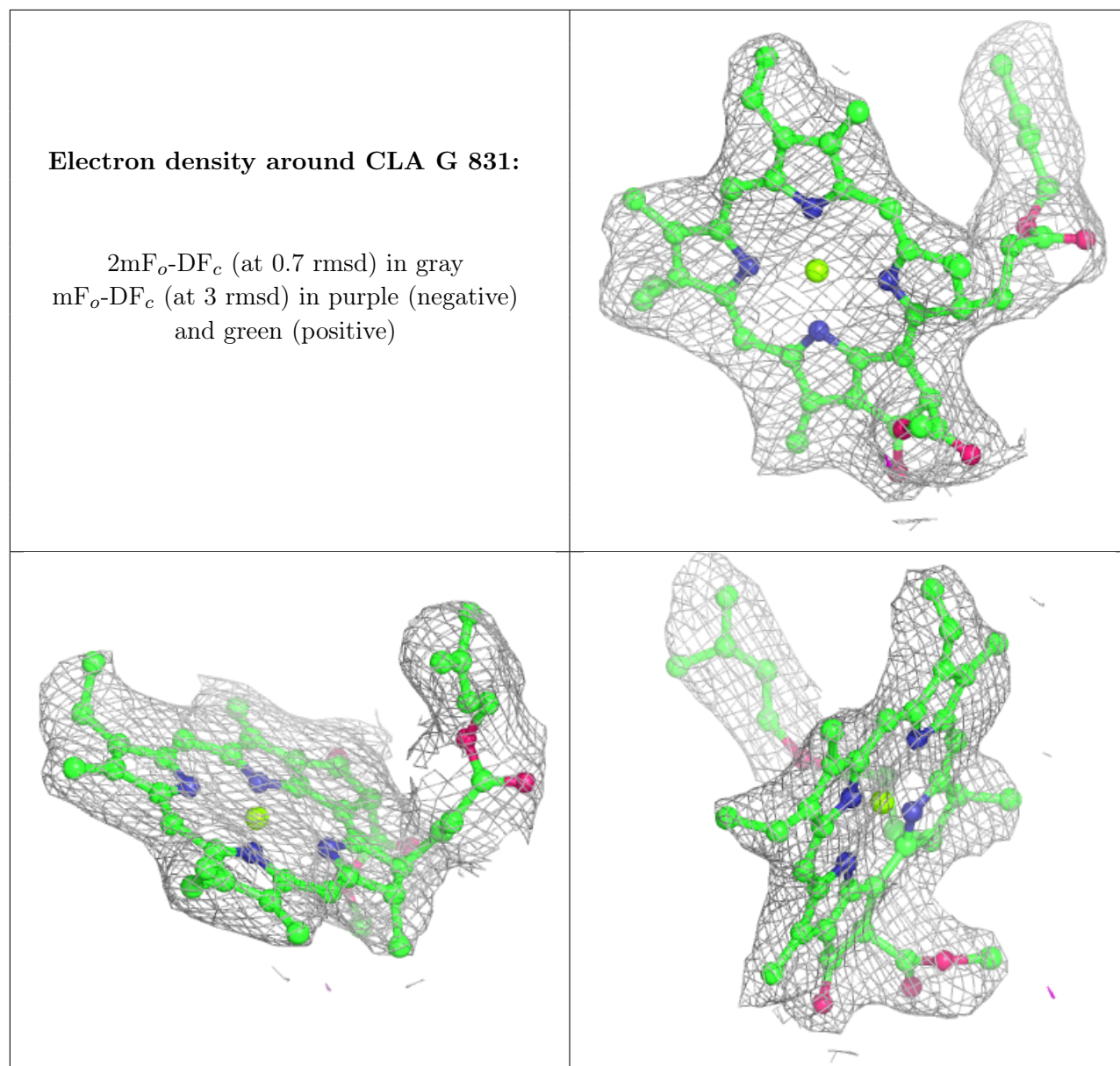




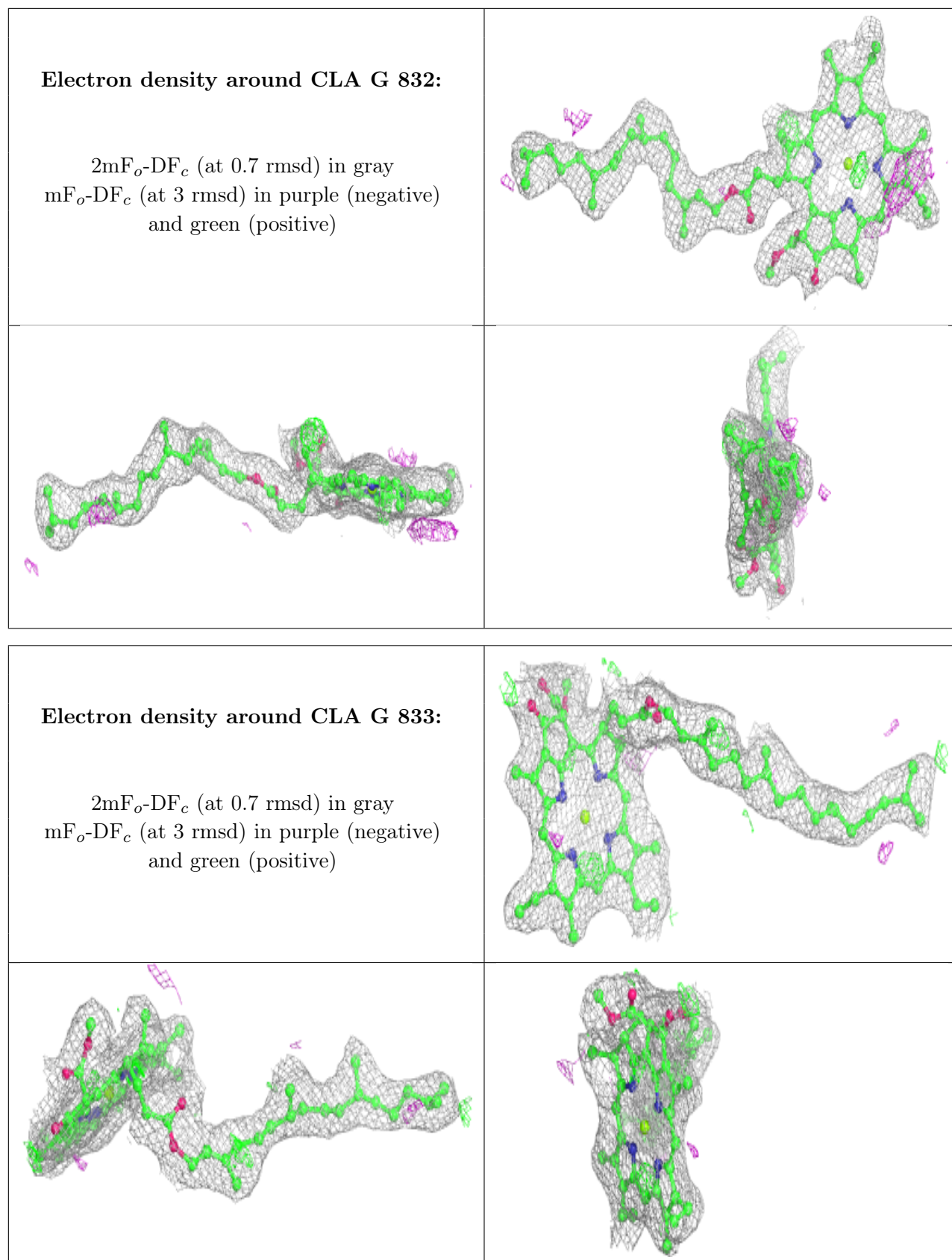


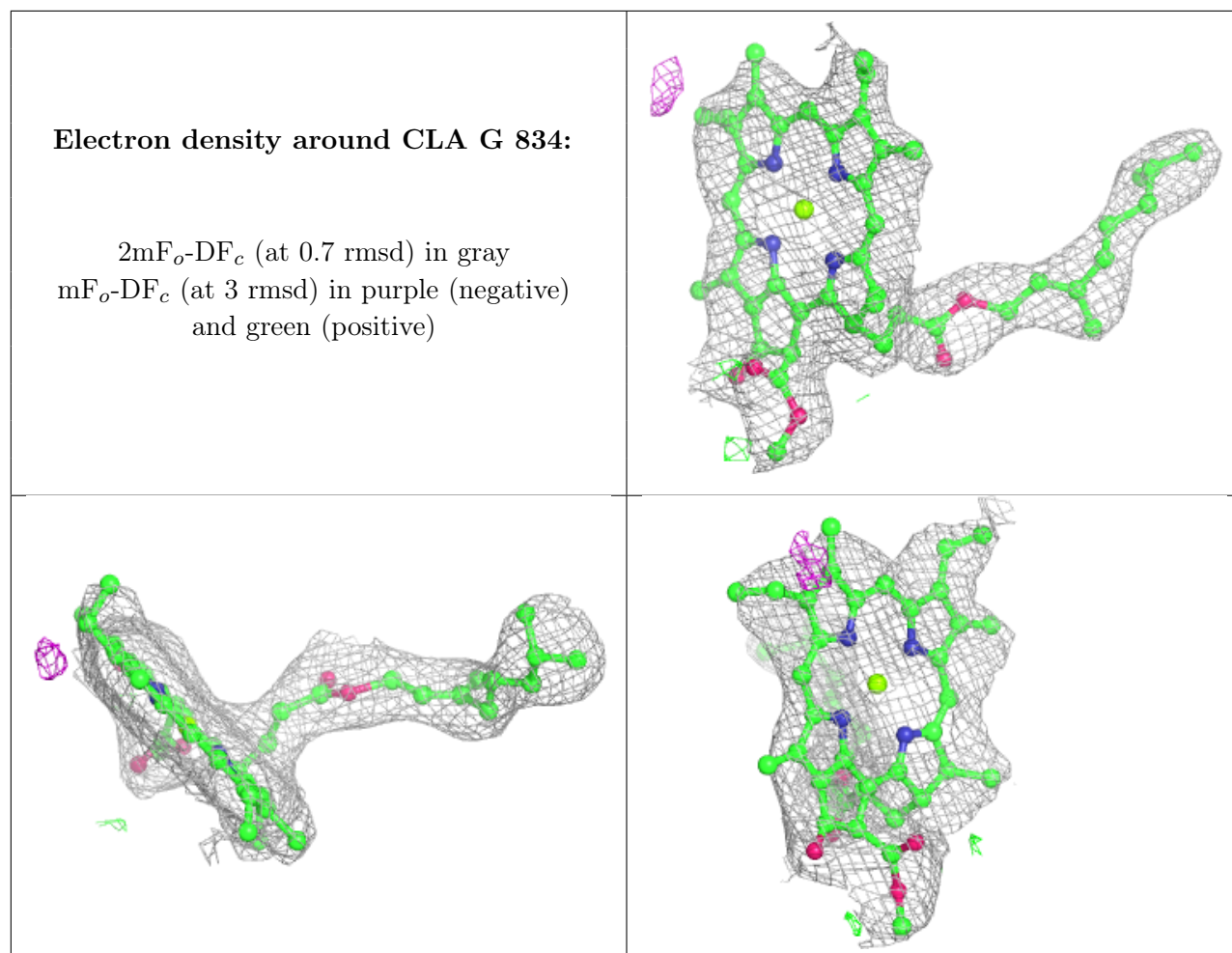


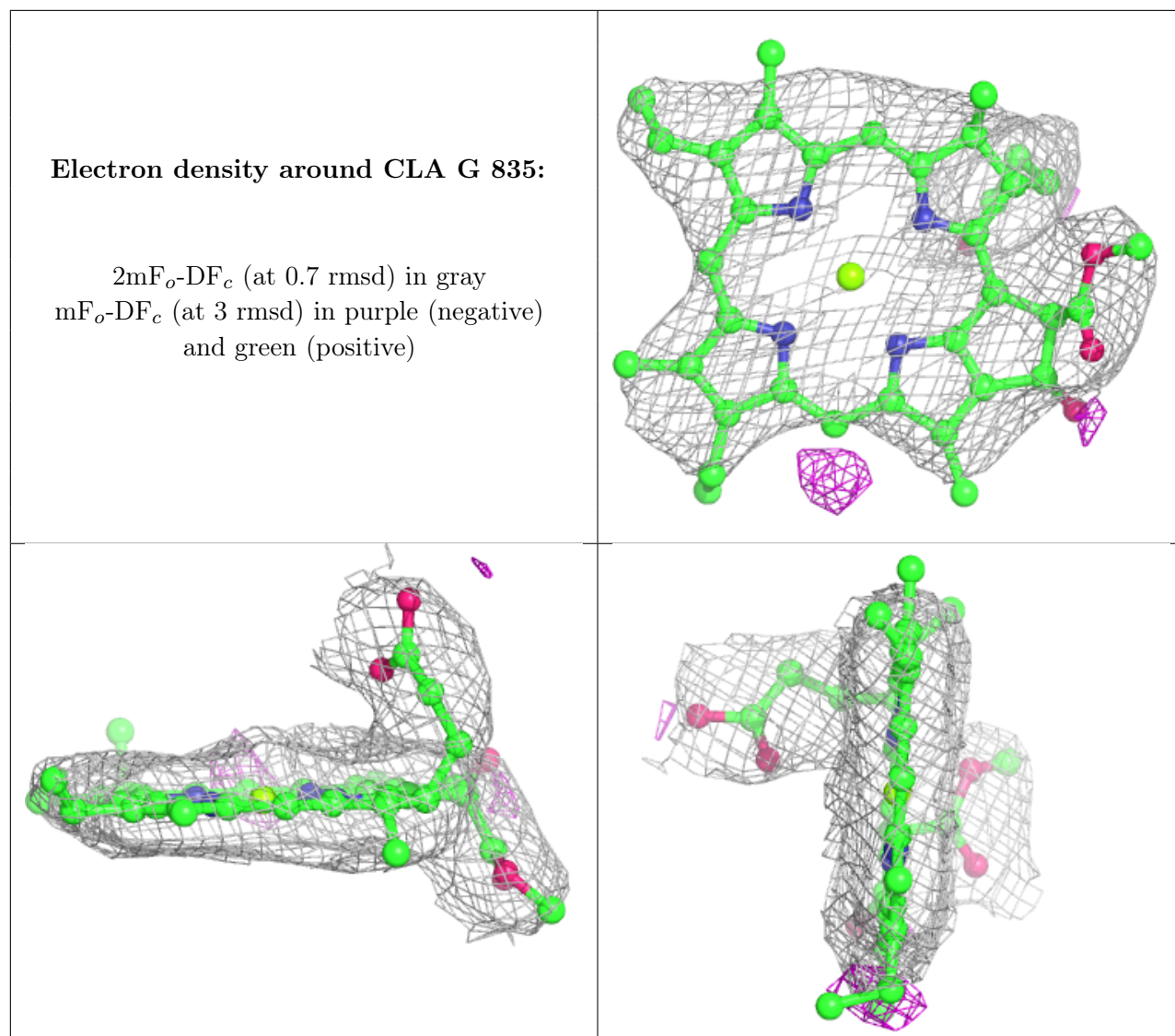




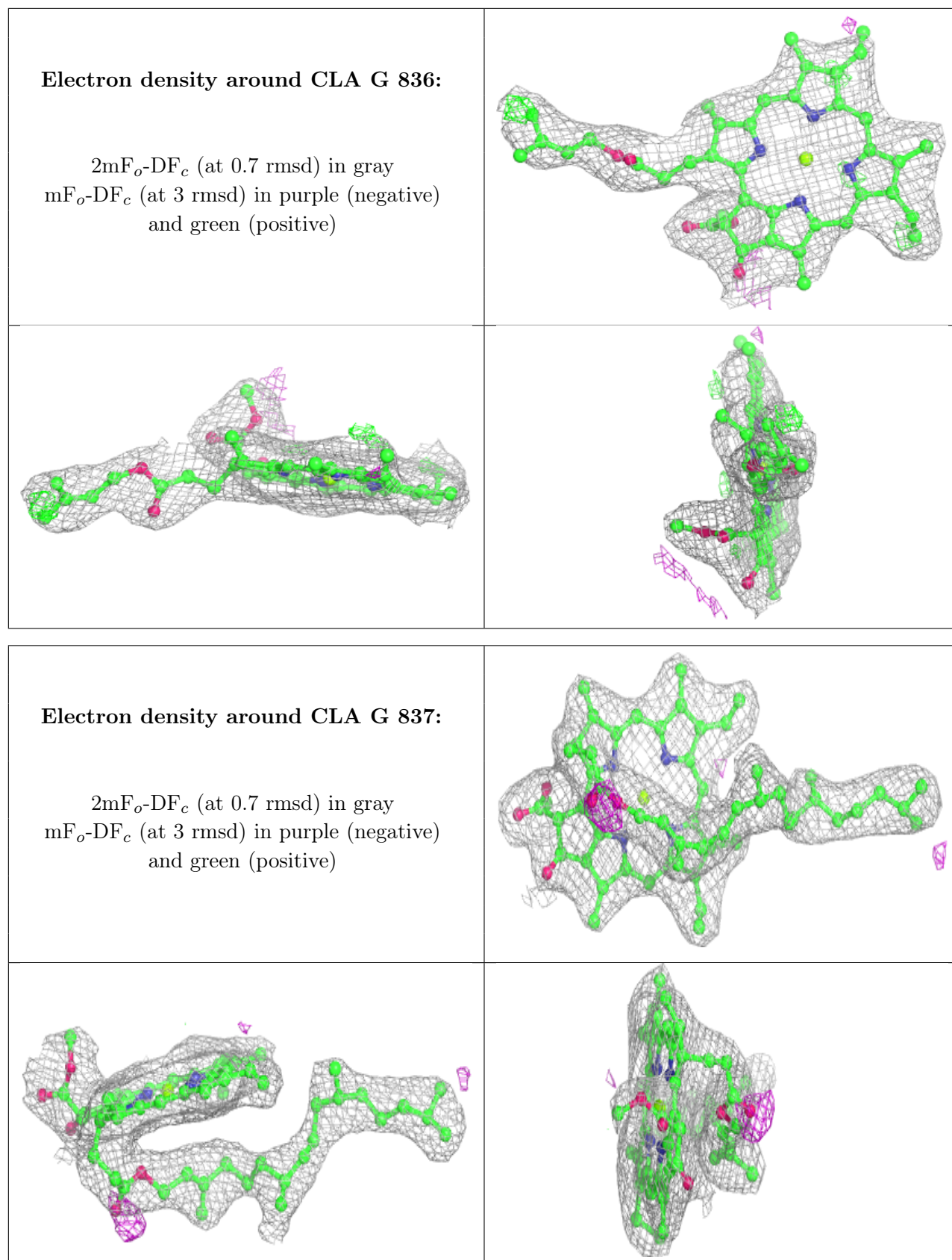


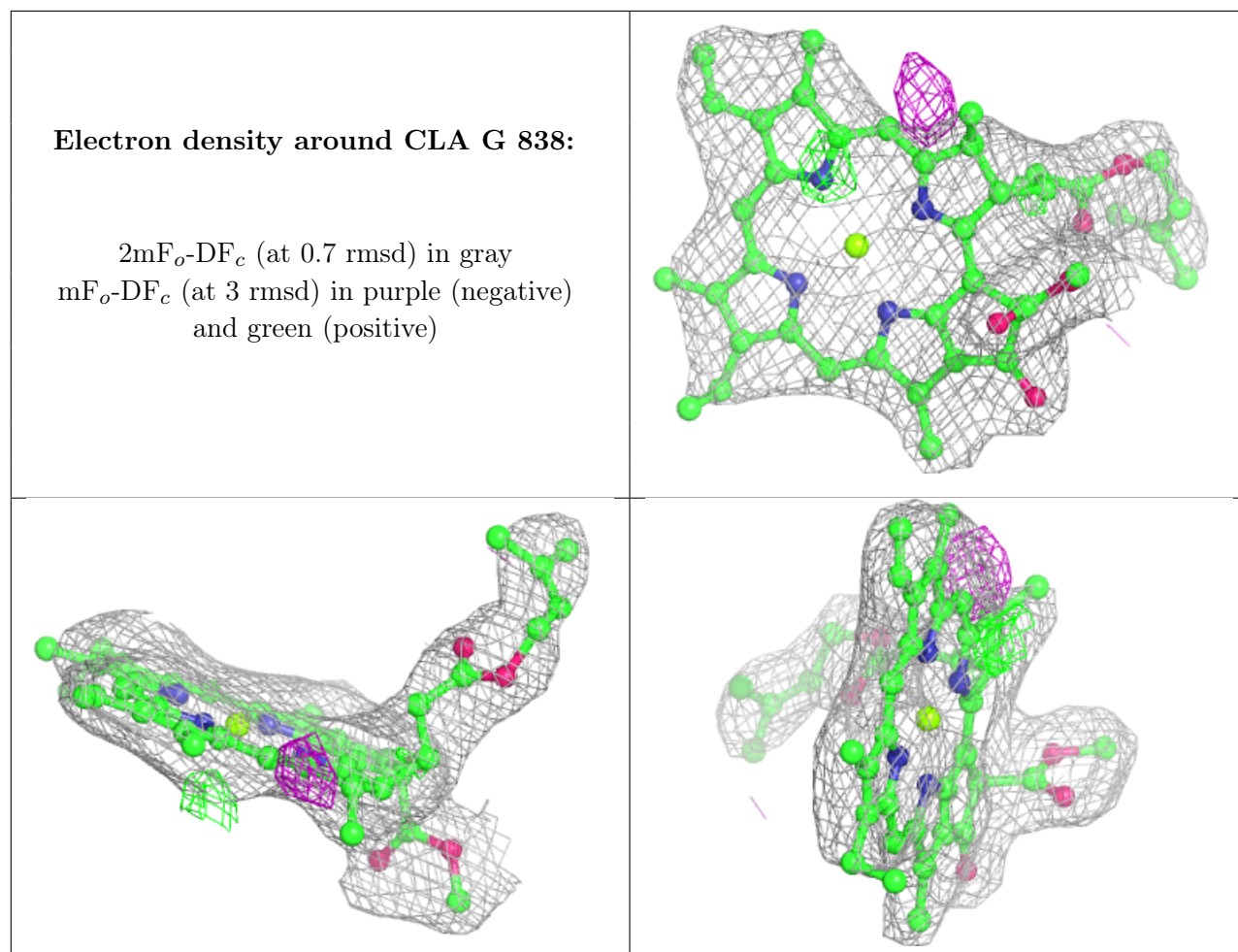






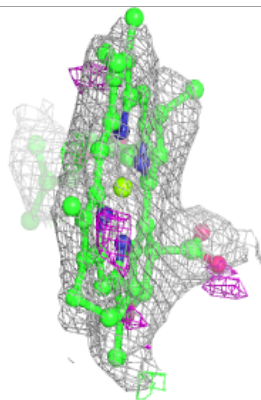
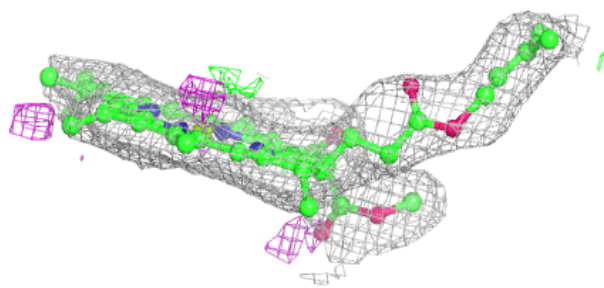
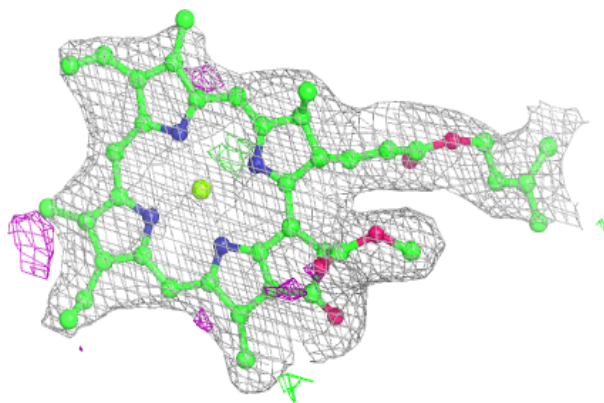




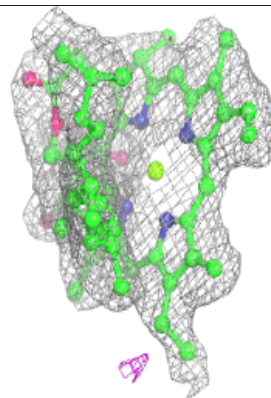
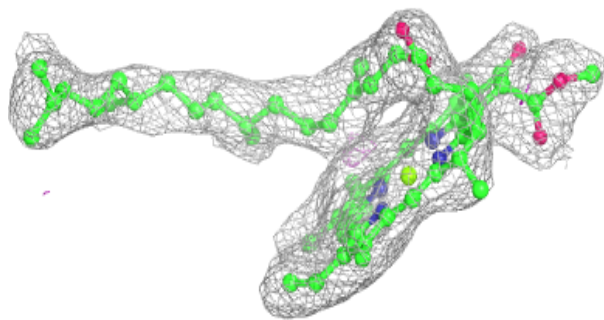
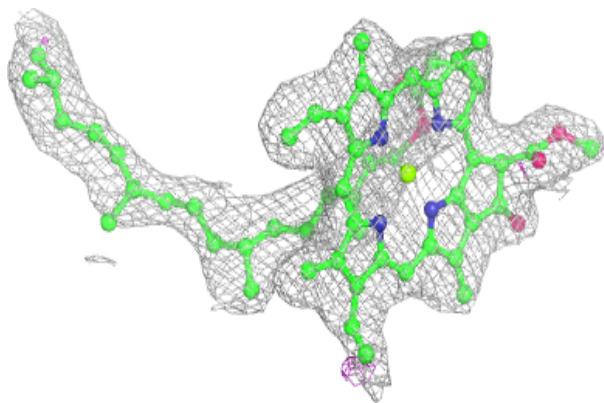


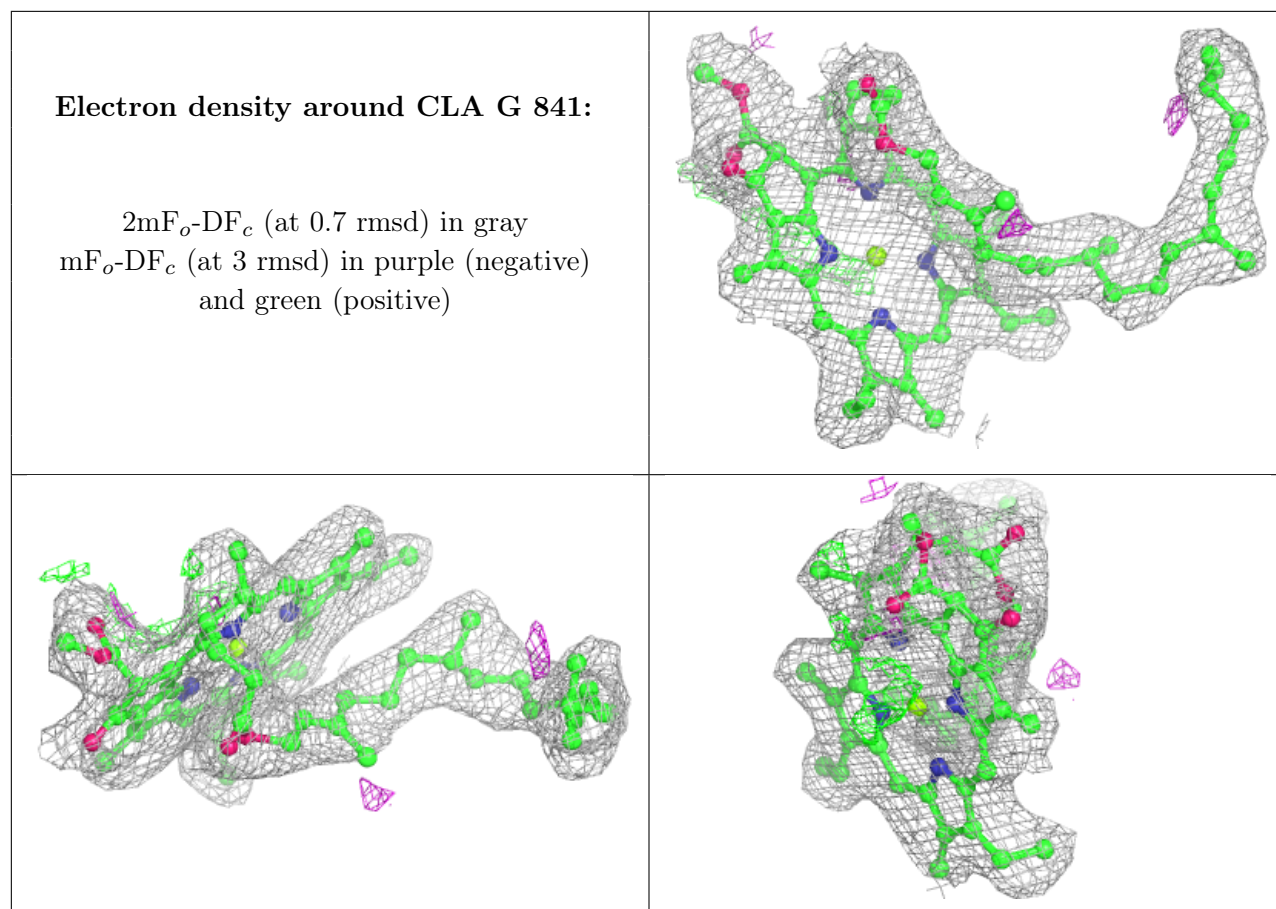
**Electron density around CLA G 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA G 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

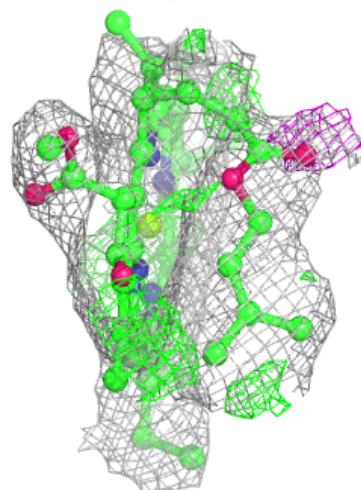
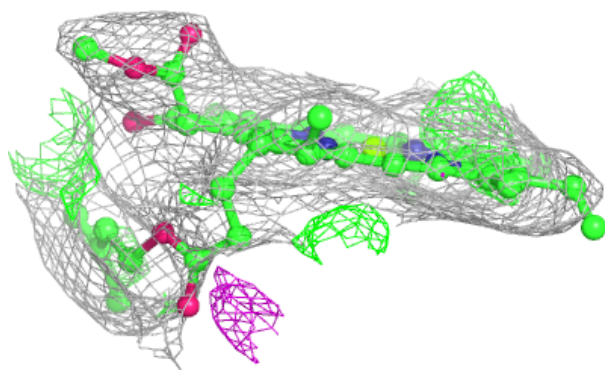
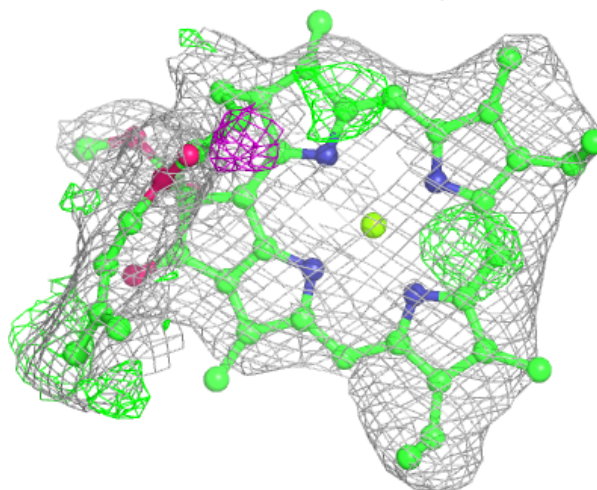


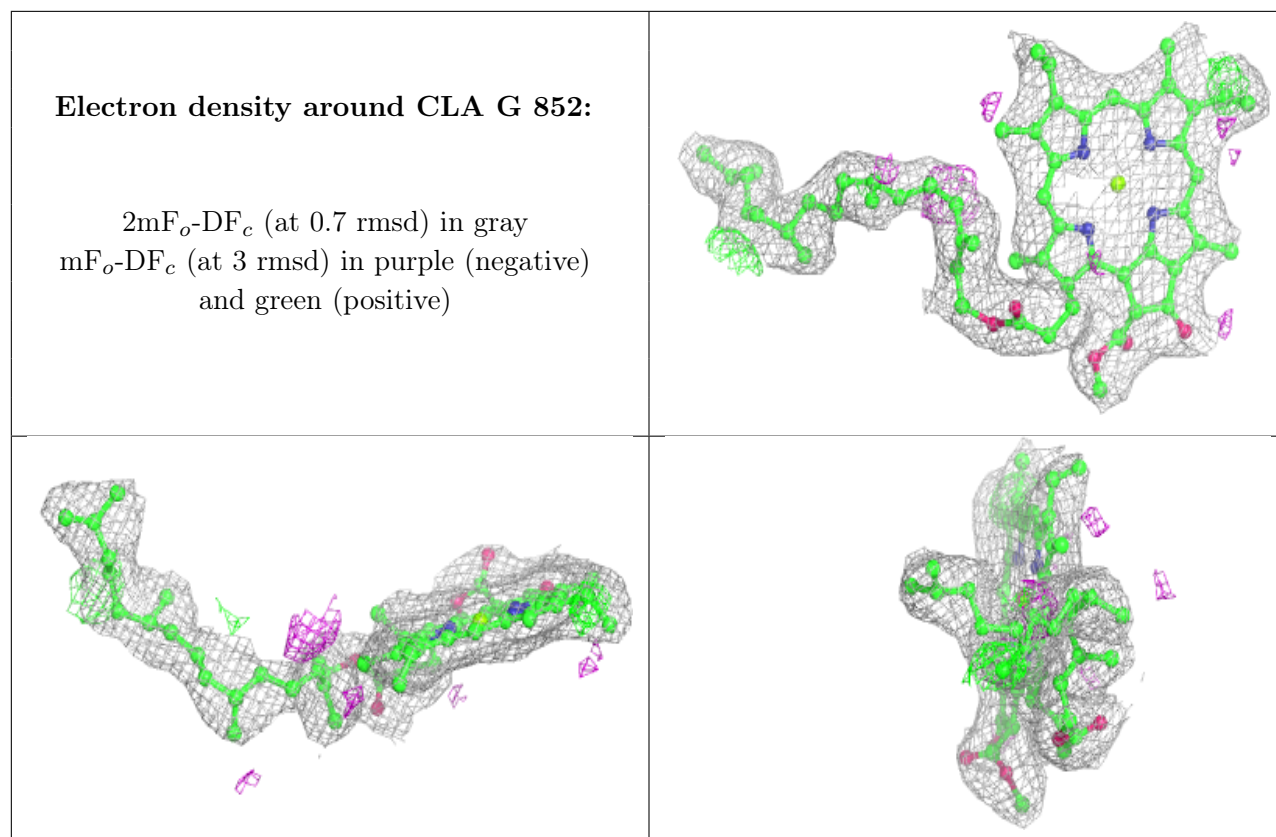


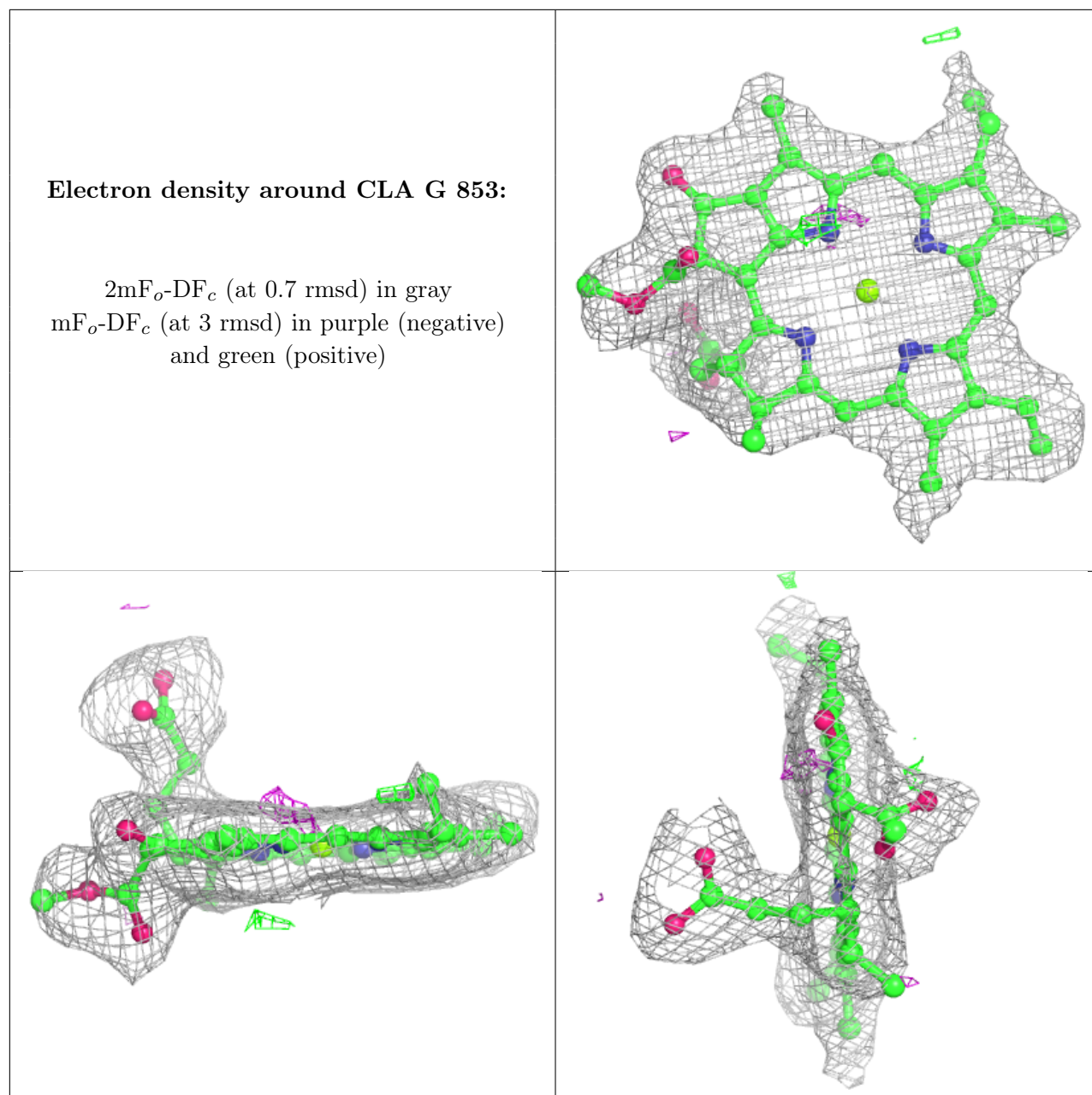


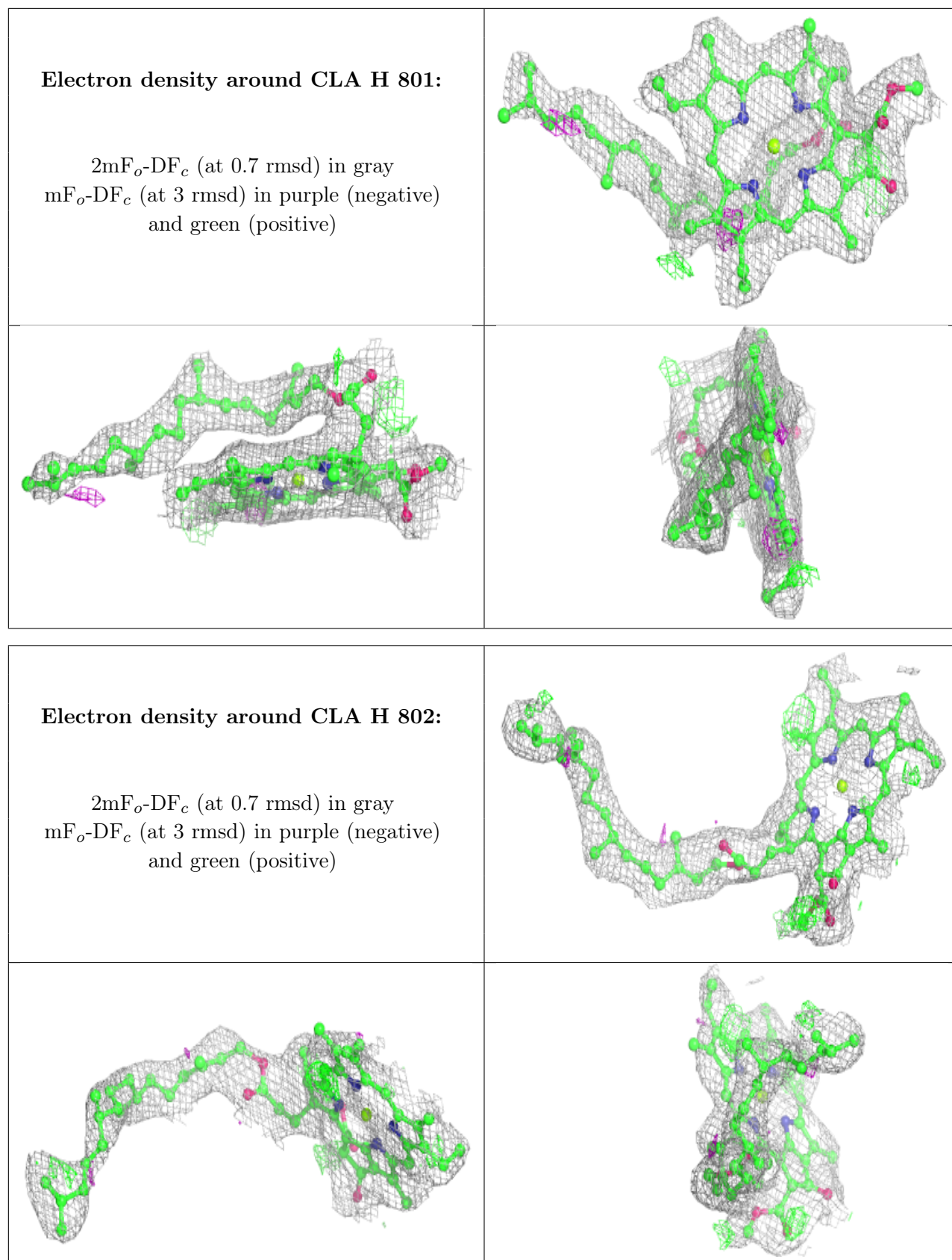
**Electron density around CLA G 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

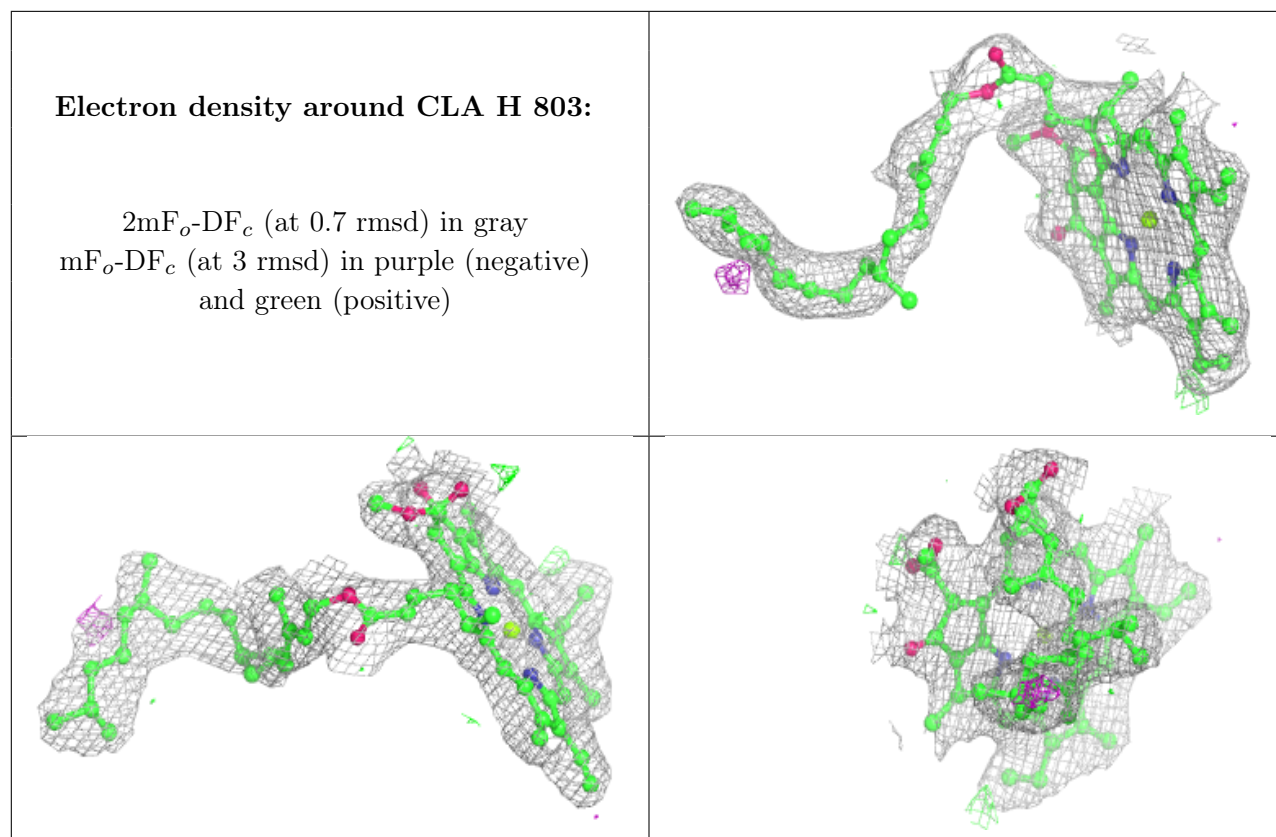






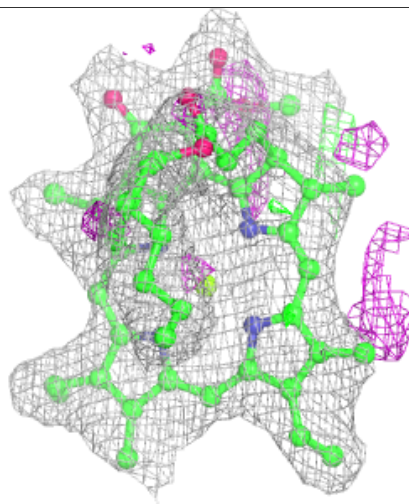
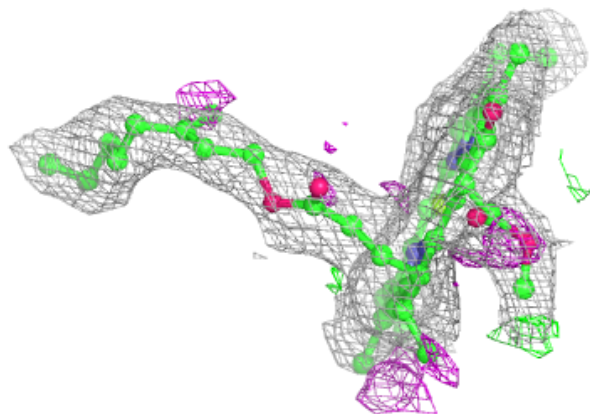
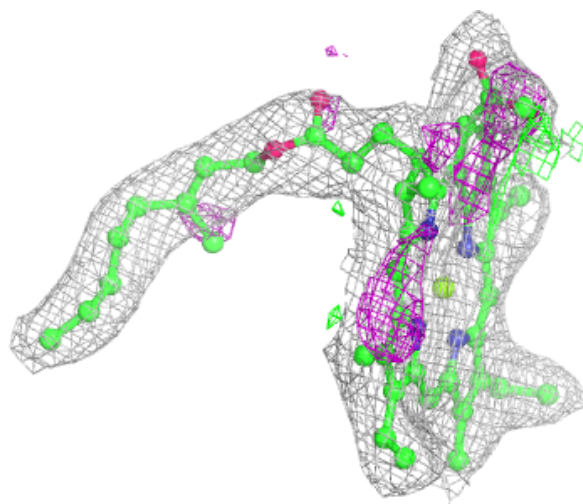


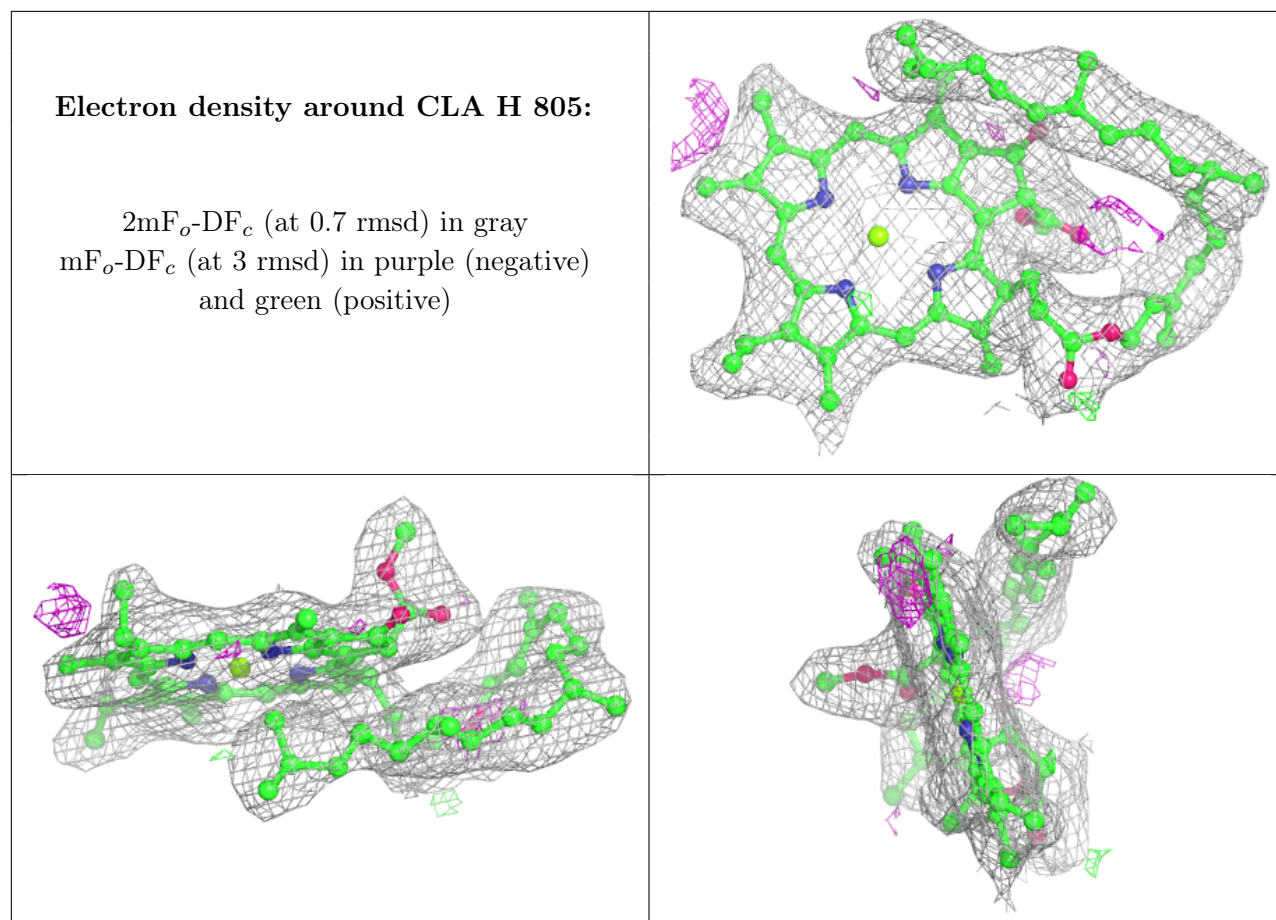




**Electron density around CLA H 804:**

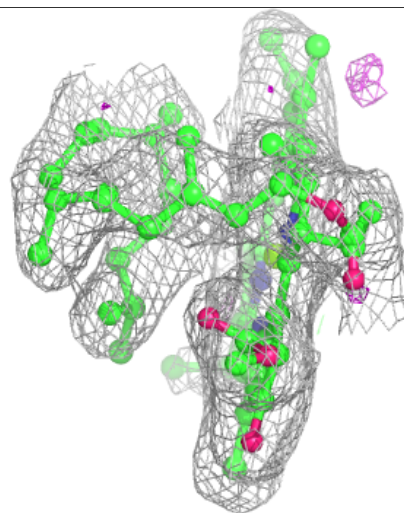
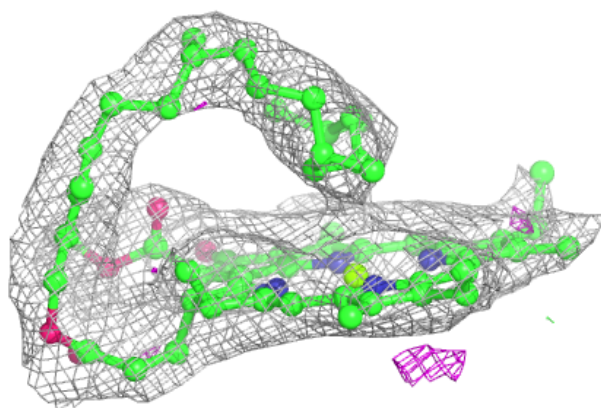
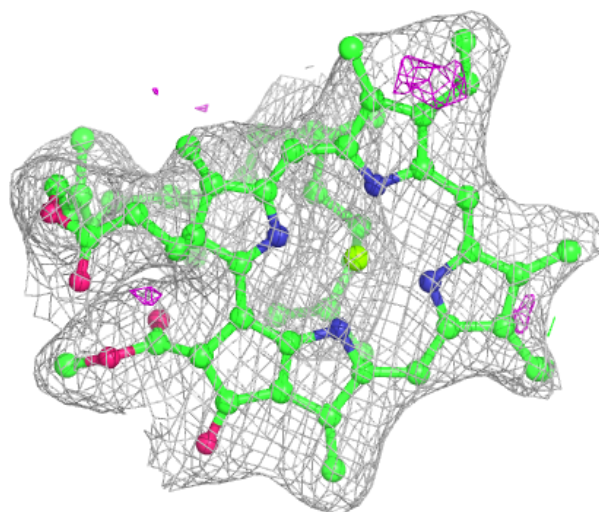
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

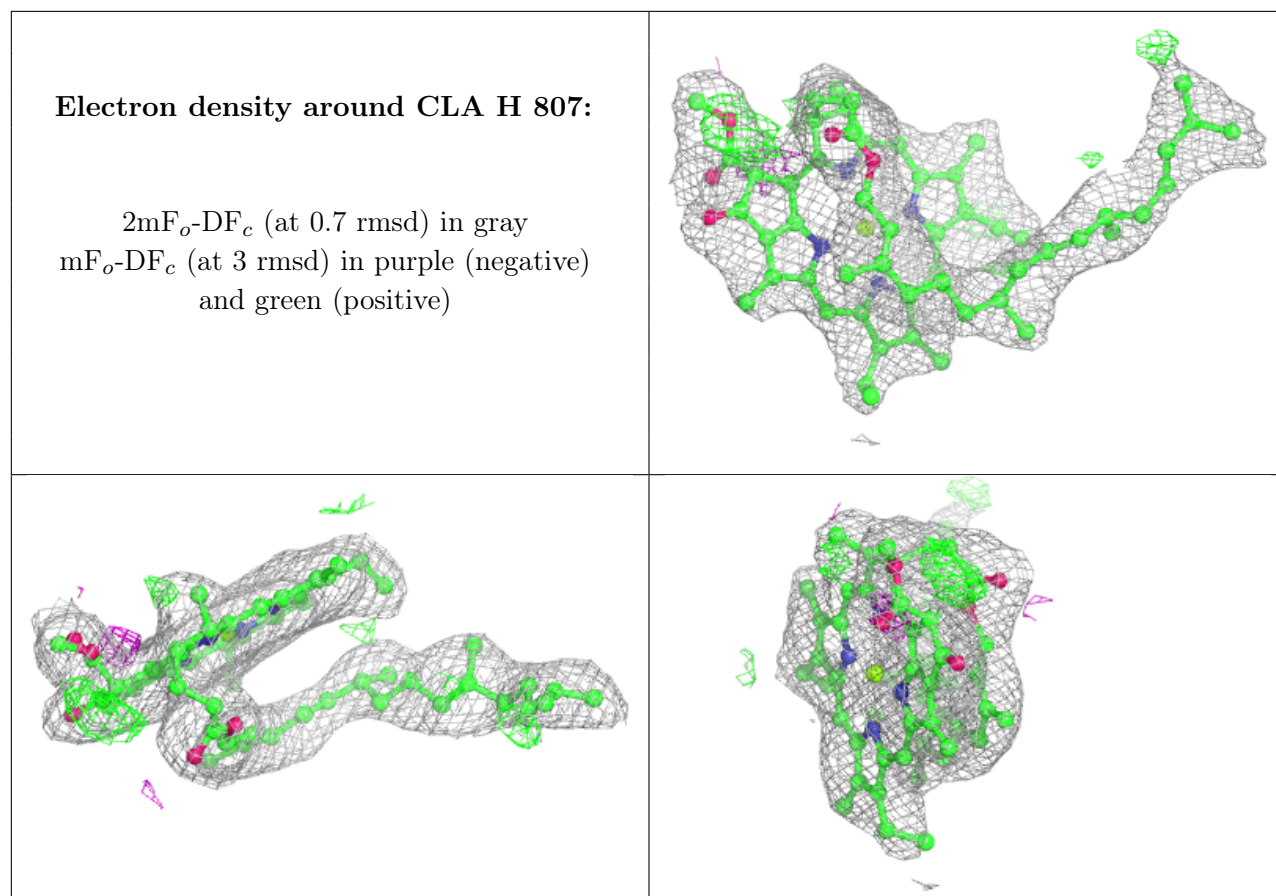




**Electron density around CLA H 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

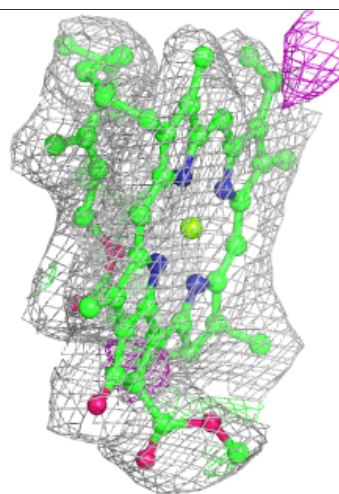
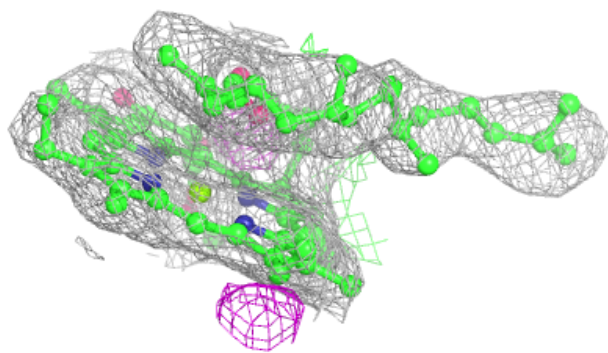
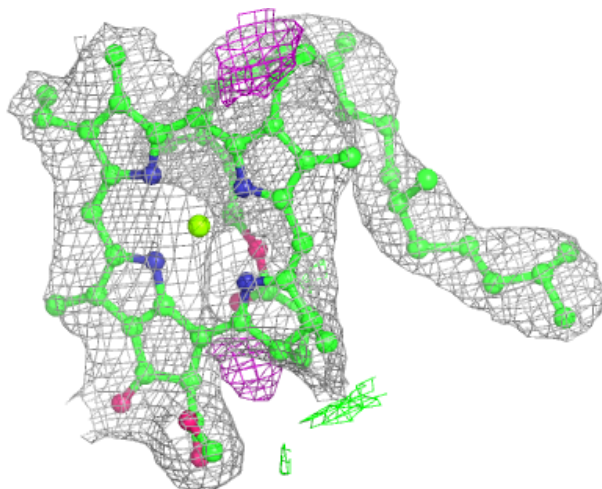






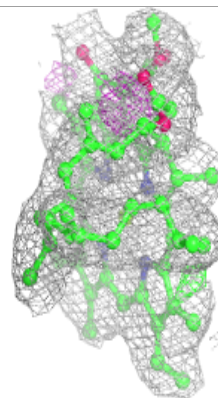
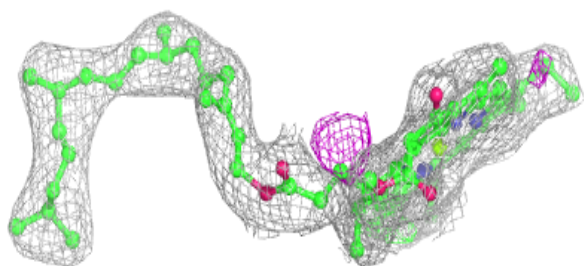
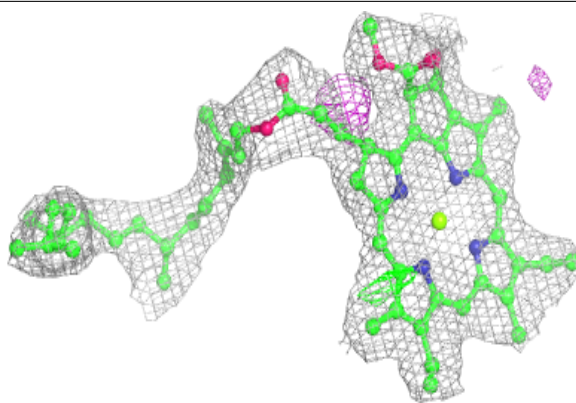
**Electron density around CLA H 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

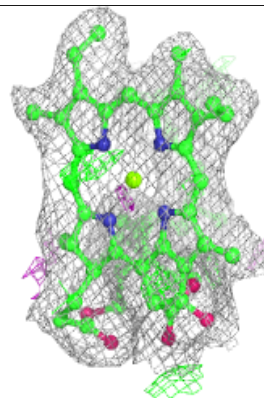
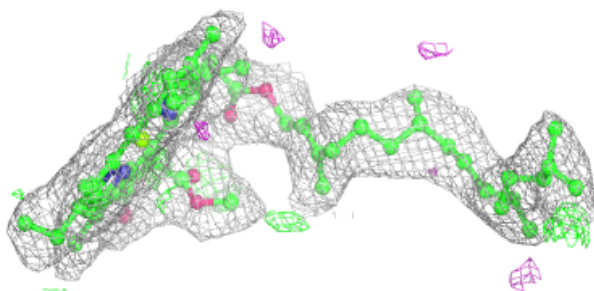
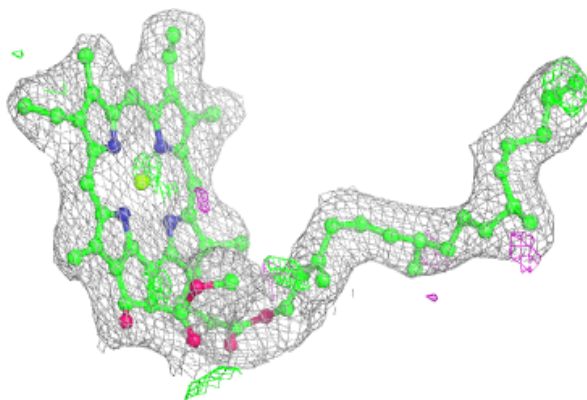


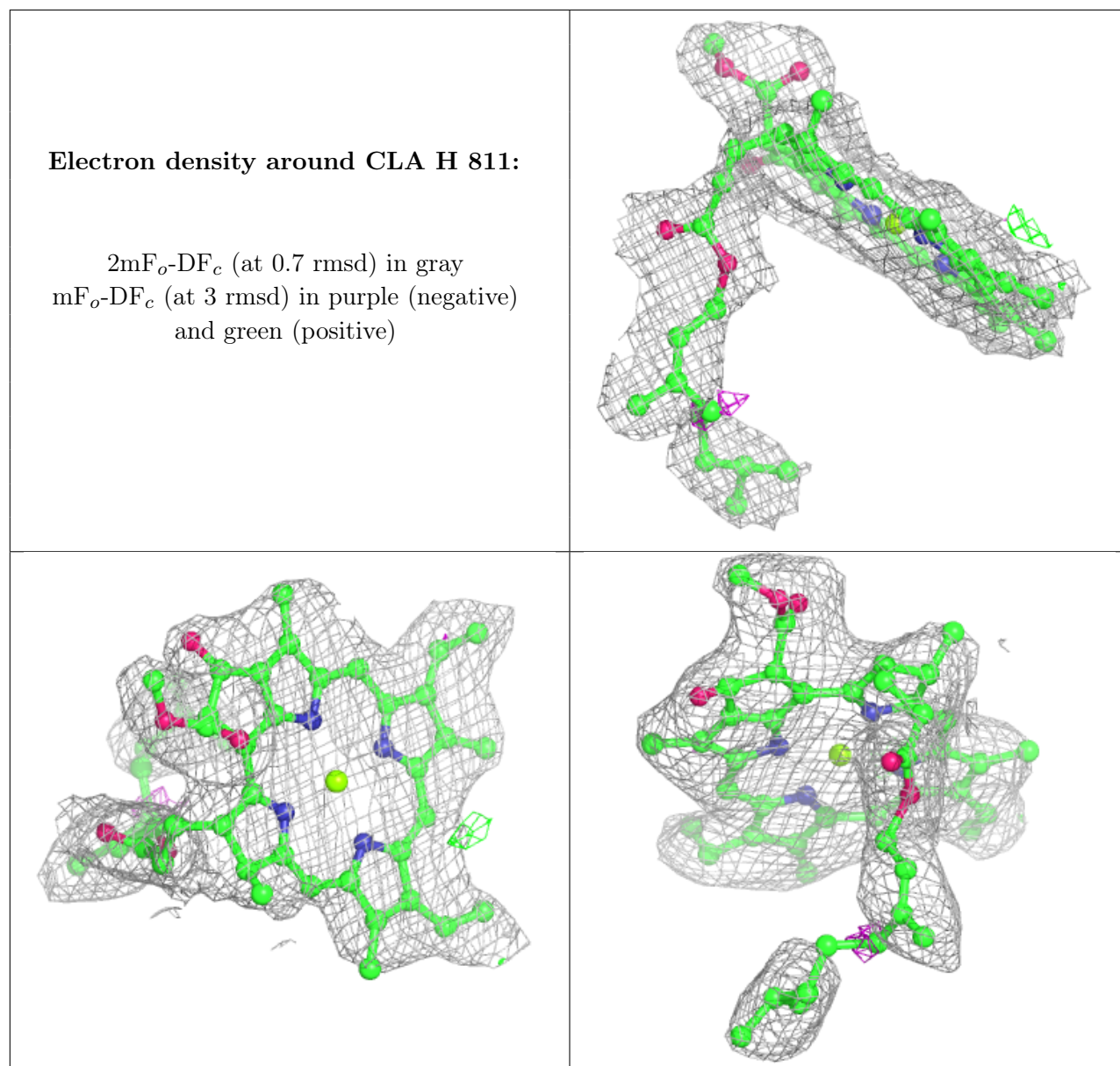
**Electron density around CLA H 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

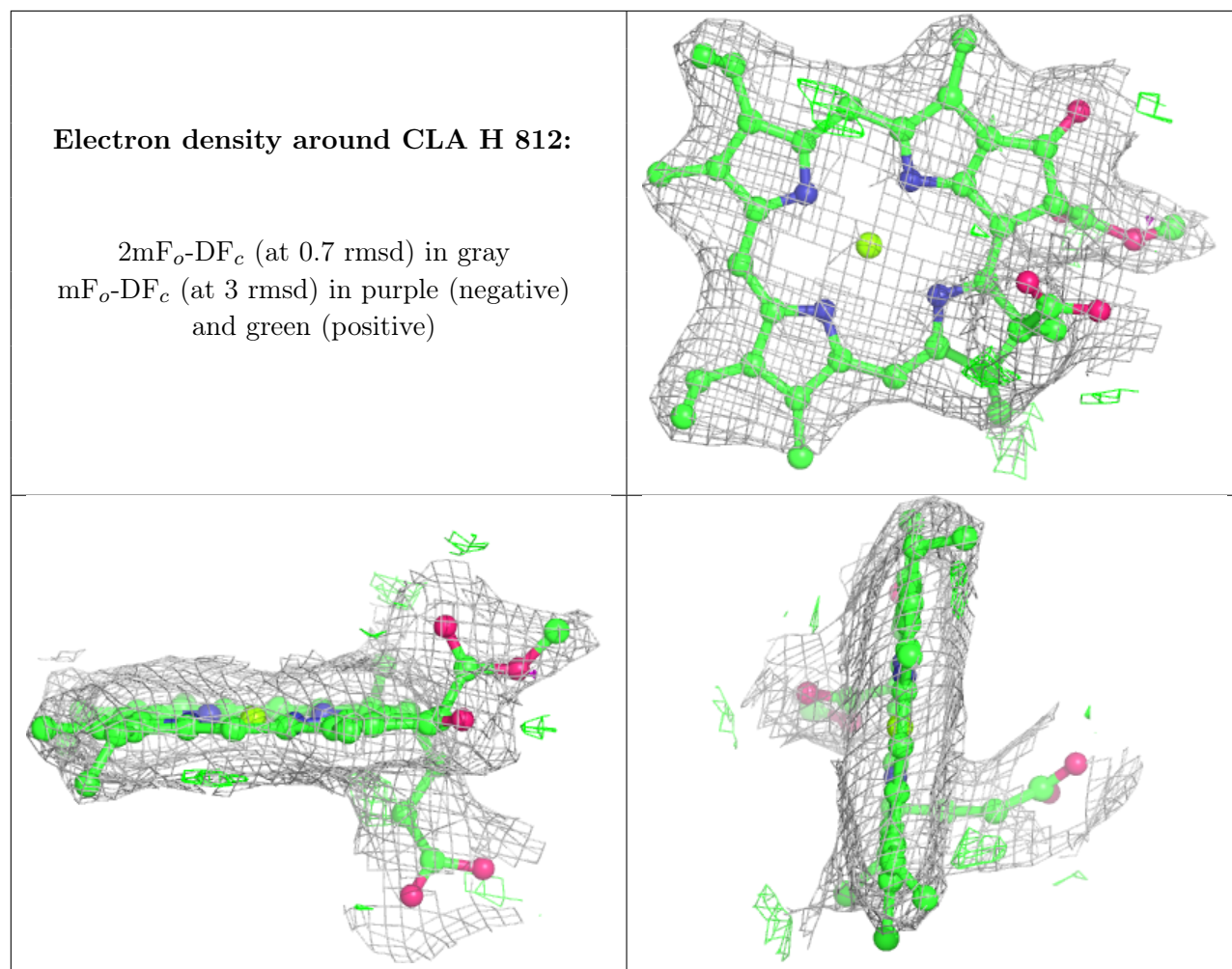
**Electron density around CLA H 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



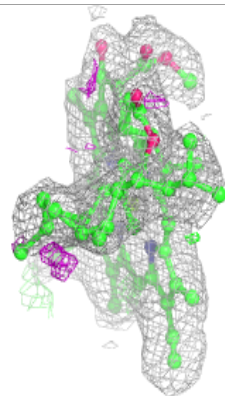
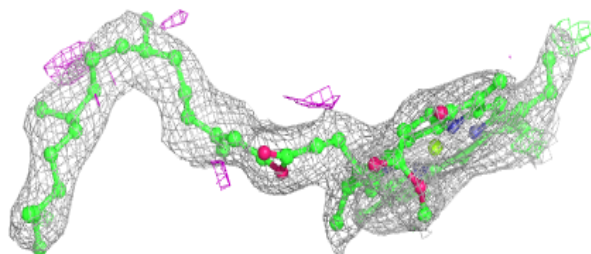
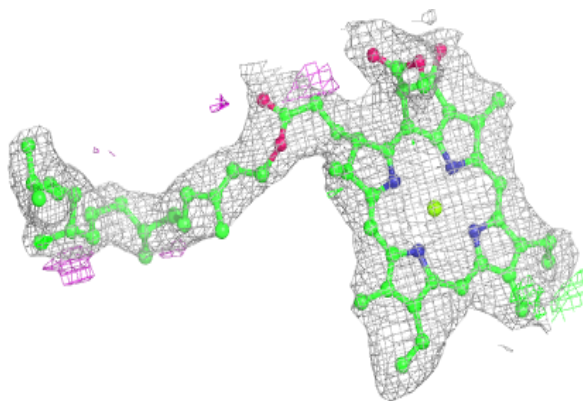




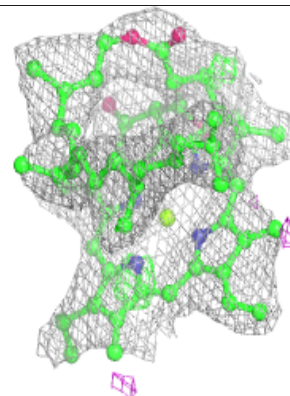
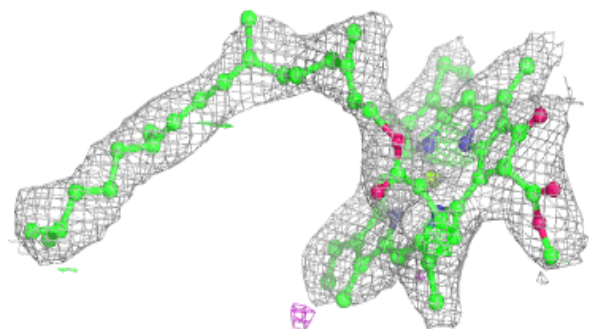
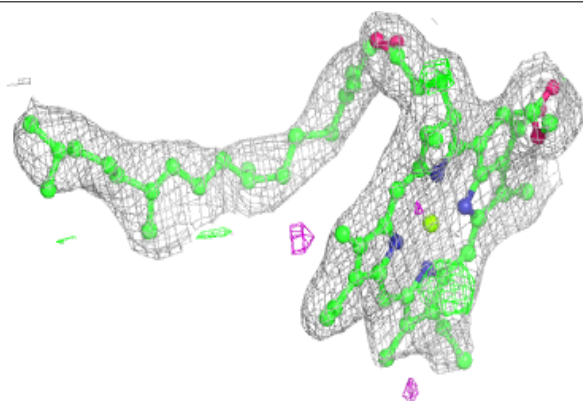


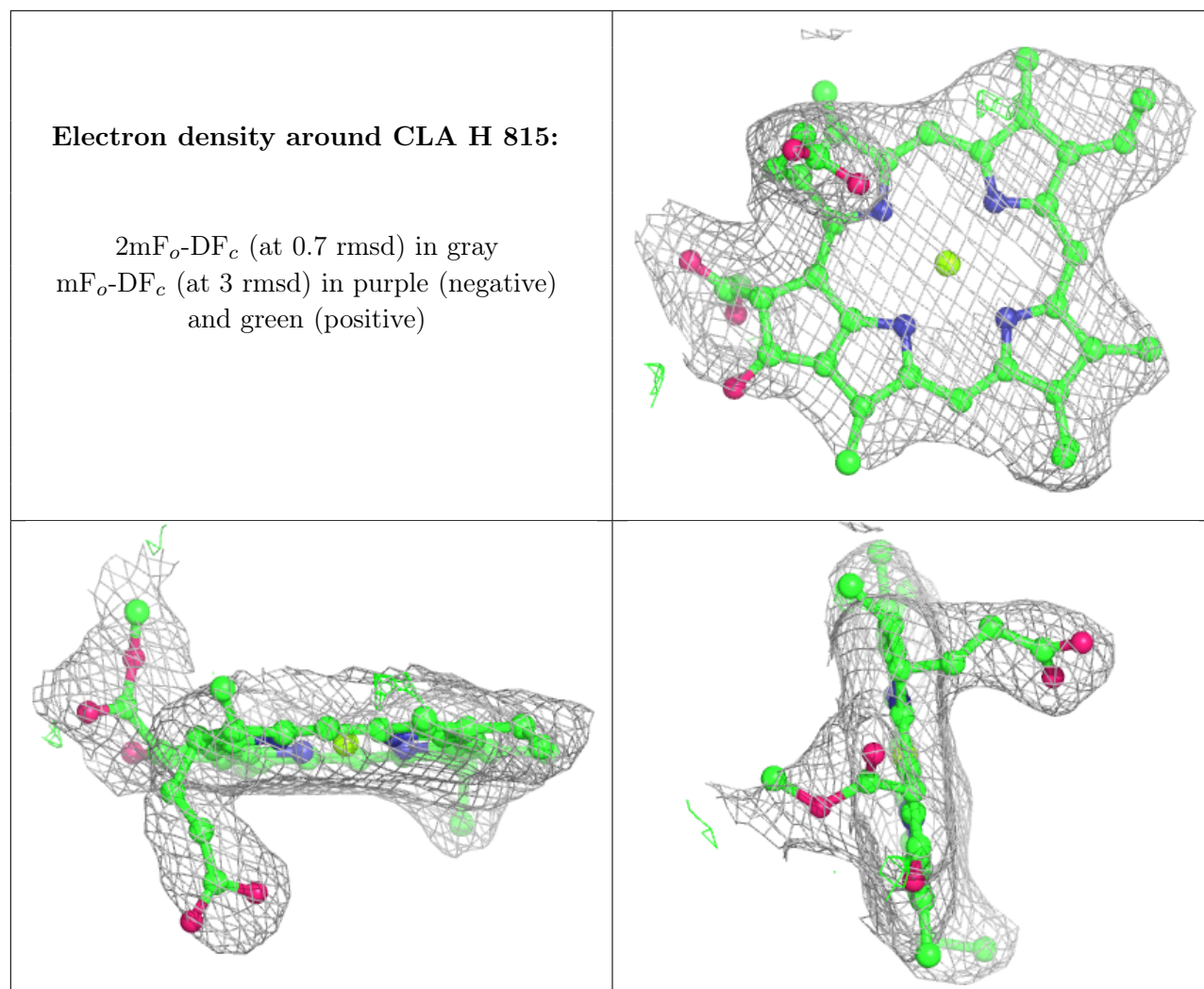
**Electron density around CLA H 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA H 814:**

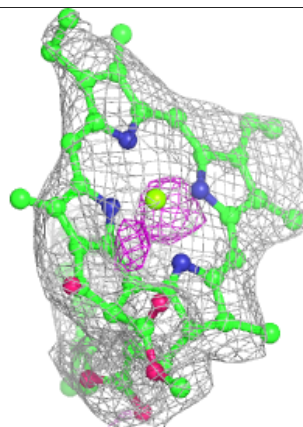
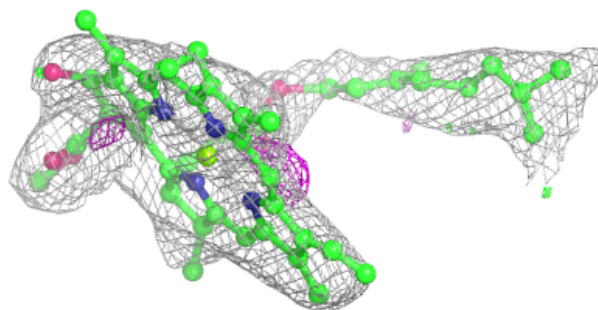
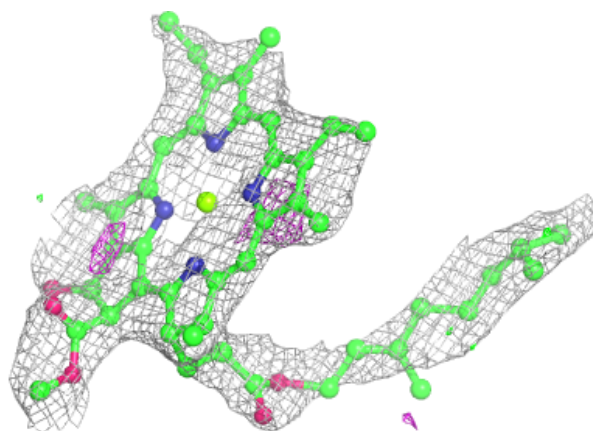
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



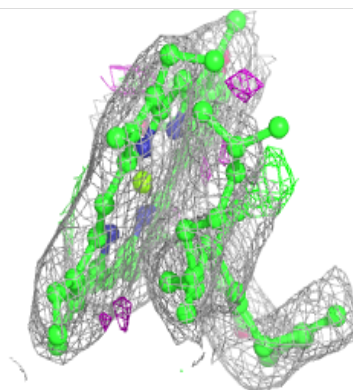
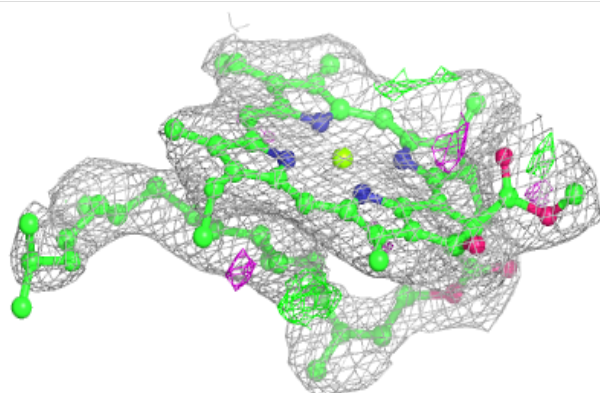
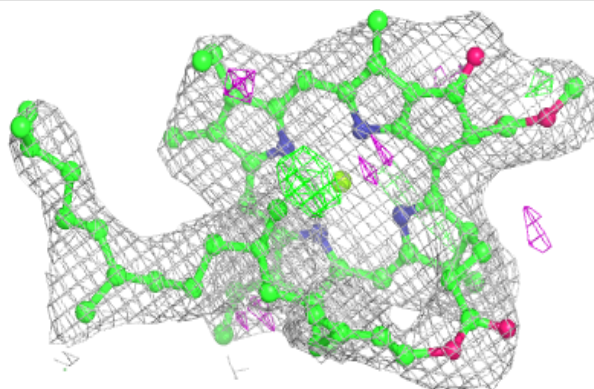


**Electron density around CLA H 816:**

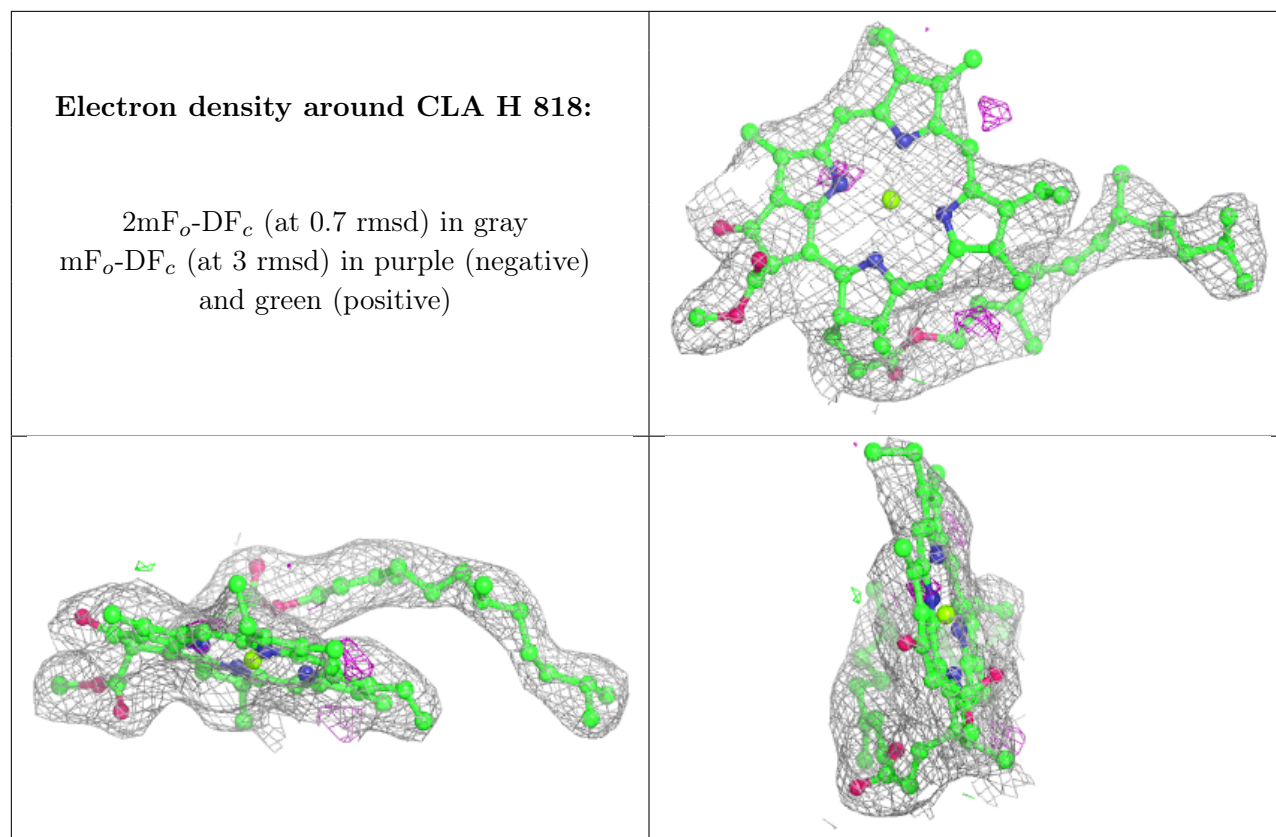
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA H 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

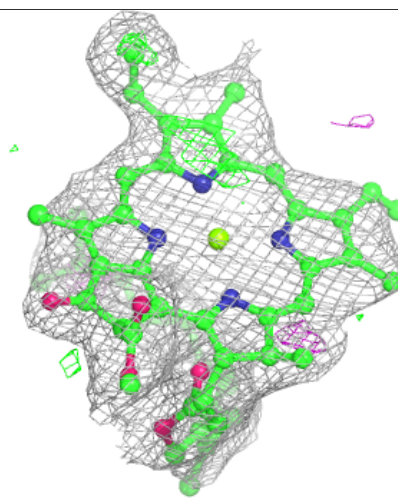
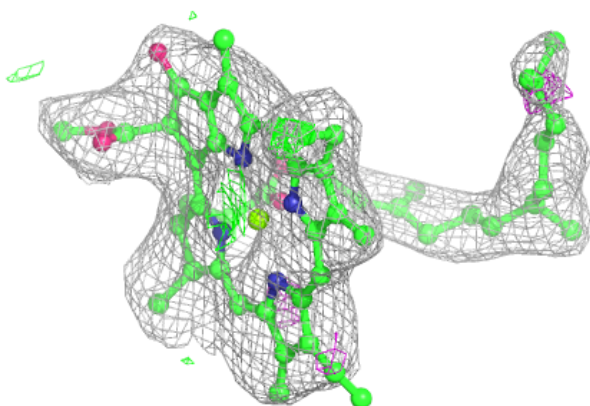
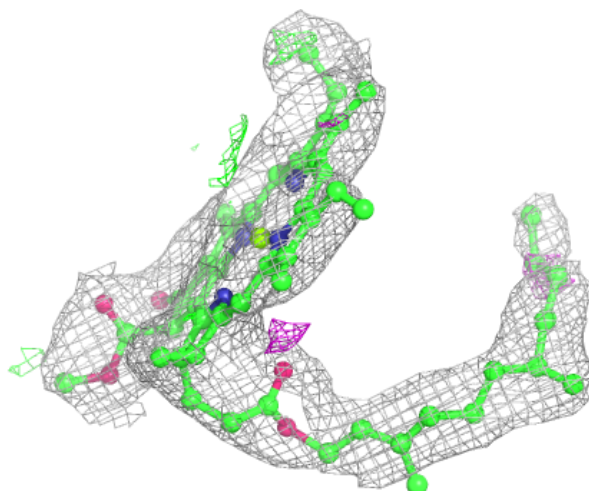






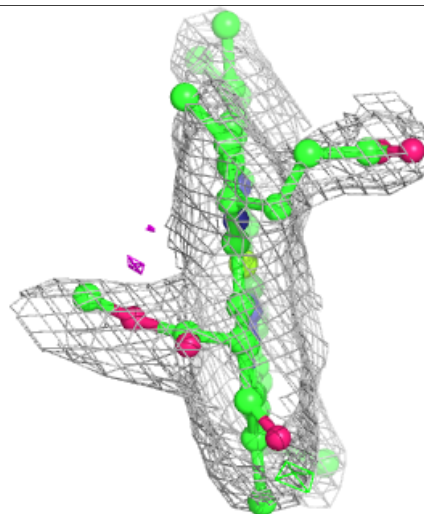
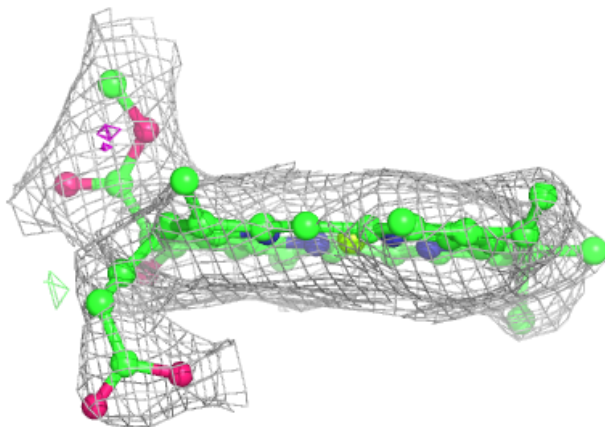
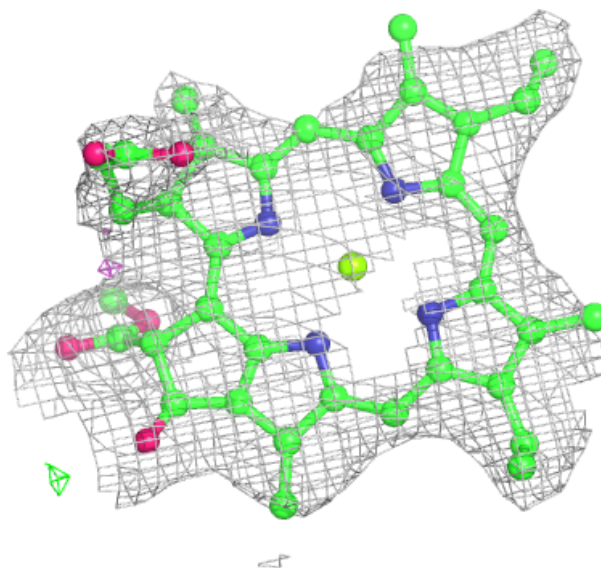
**Electron density around CLA H 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

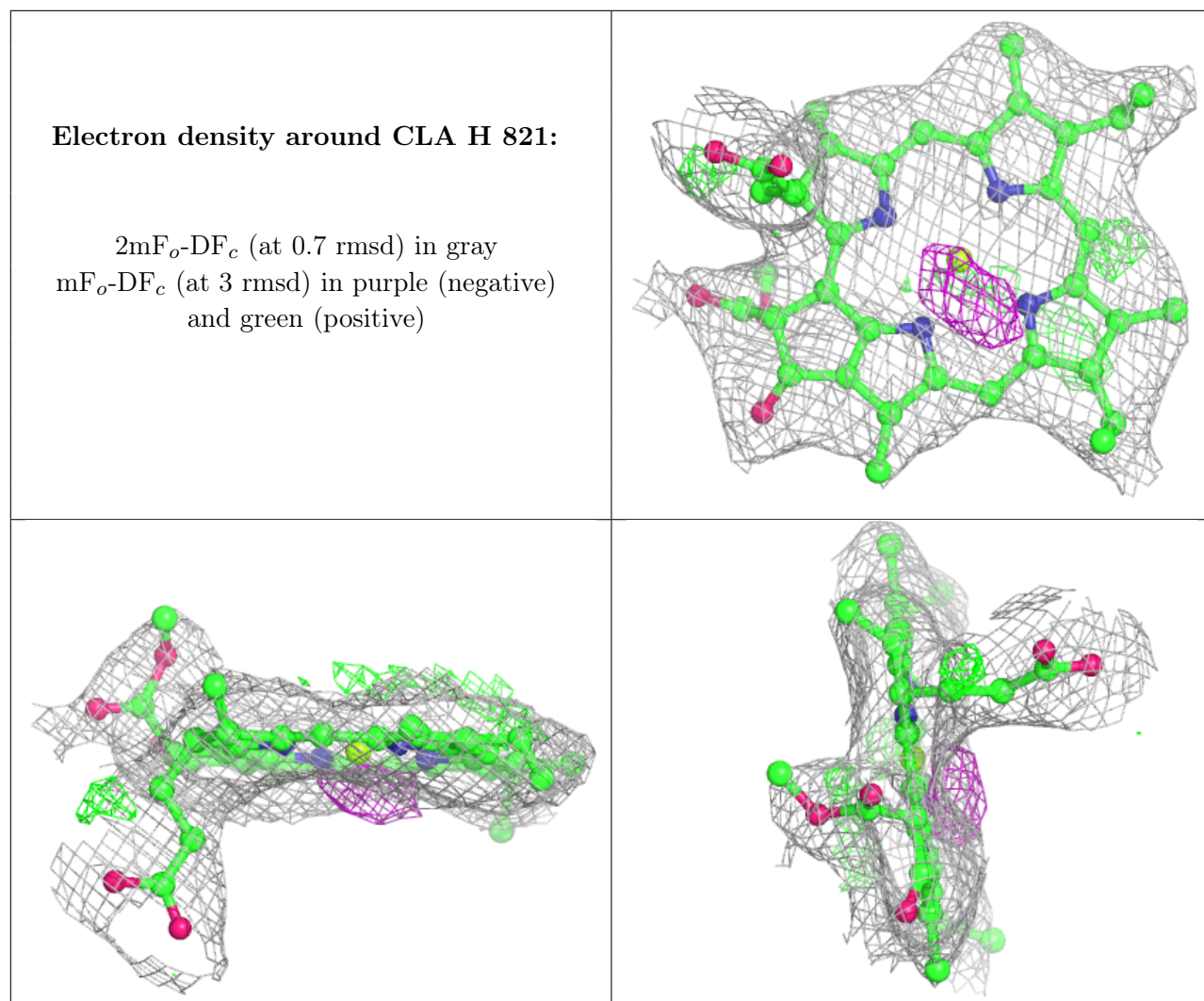


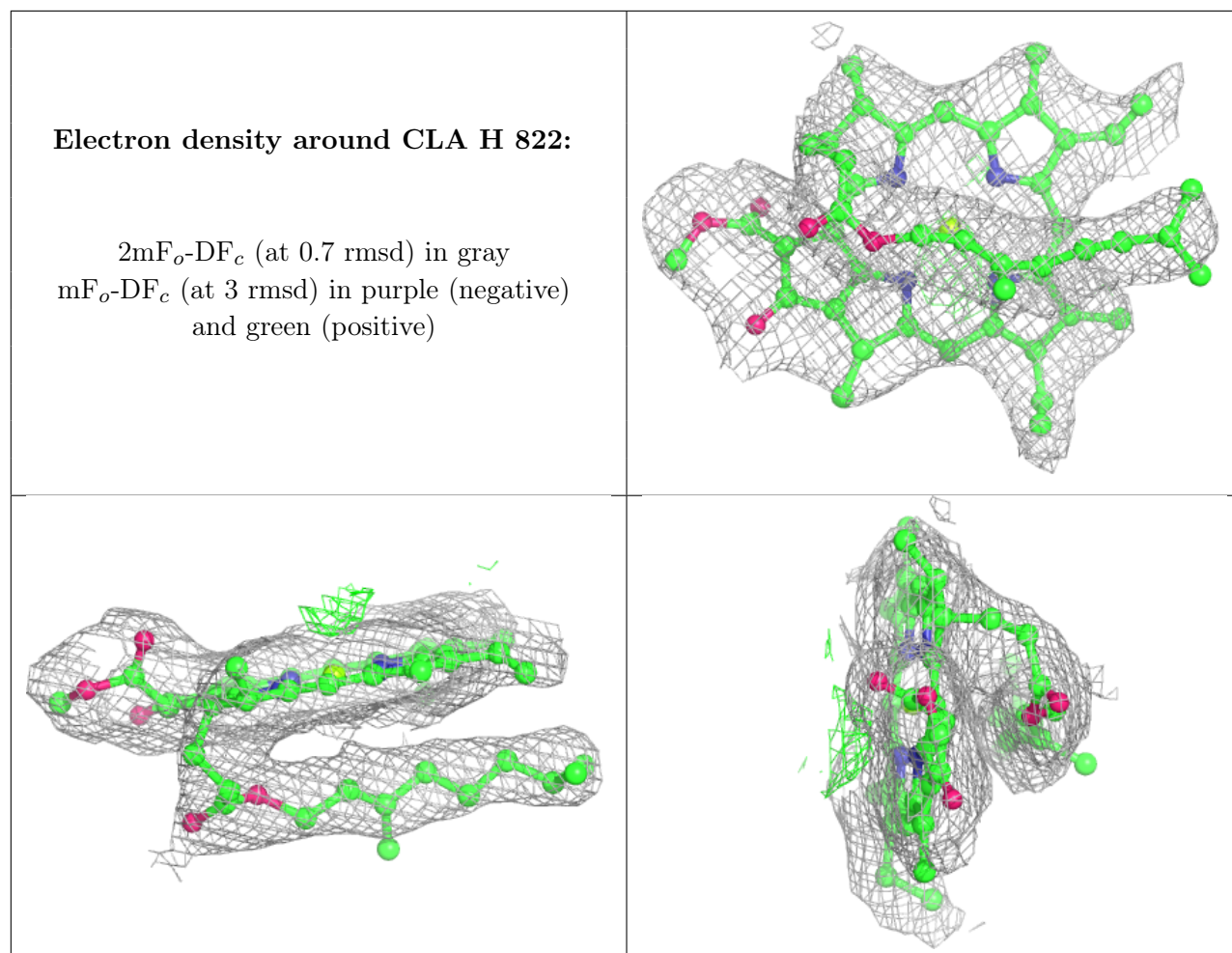
**Electron density around CLA H 820:**

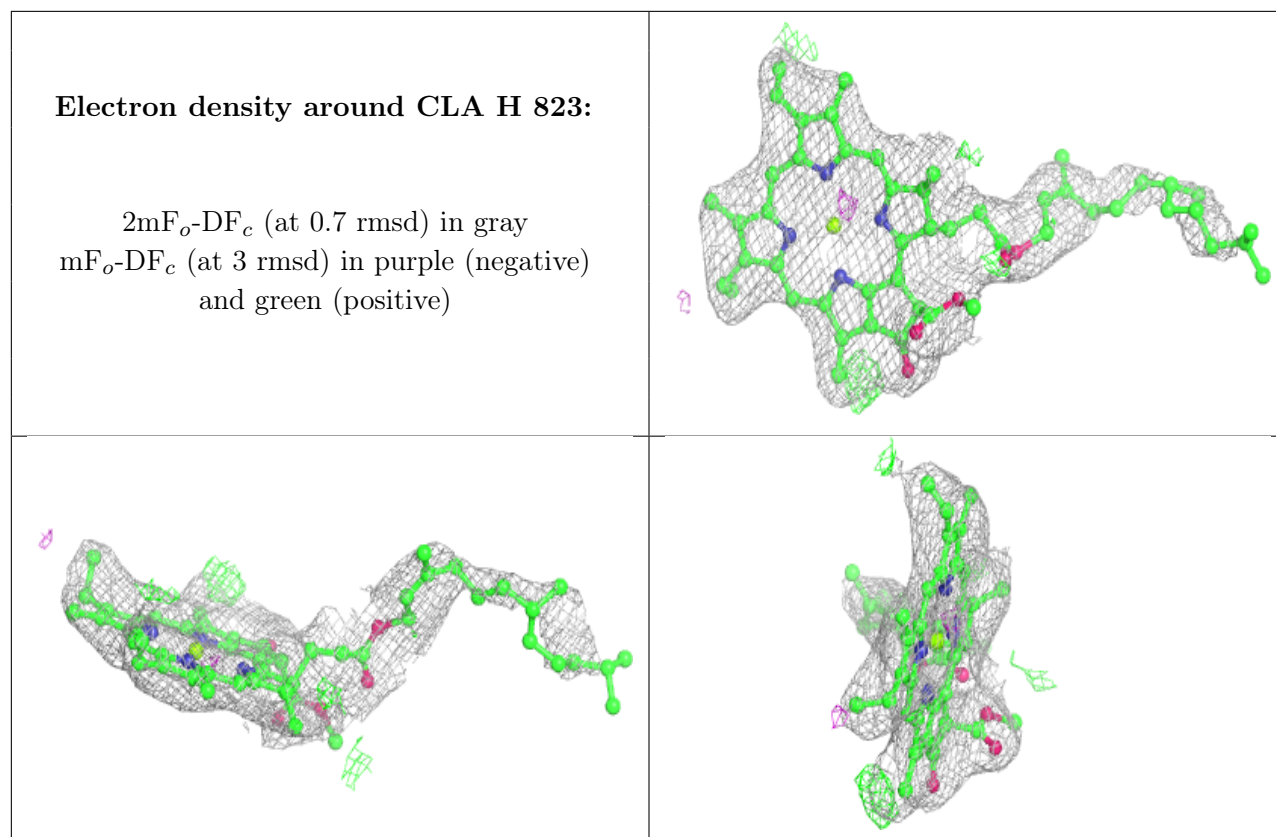
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

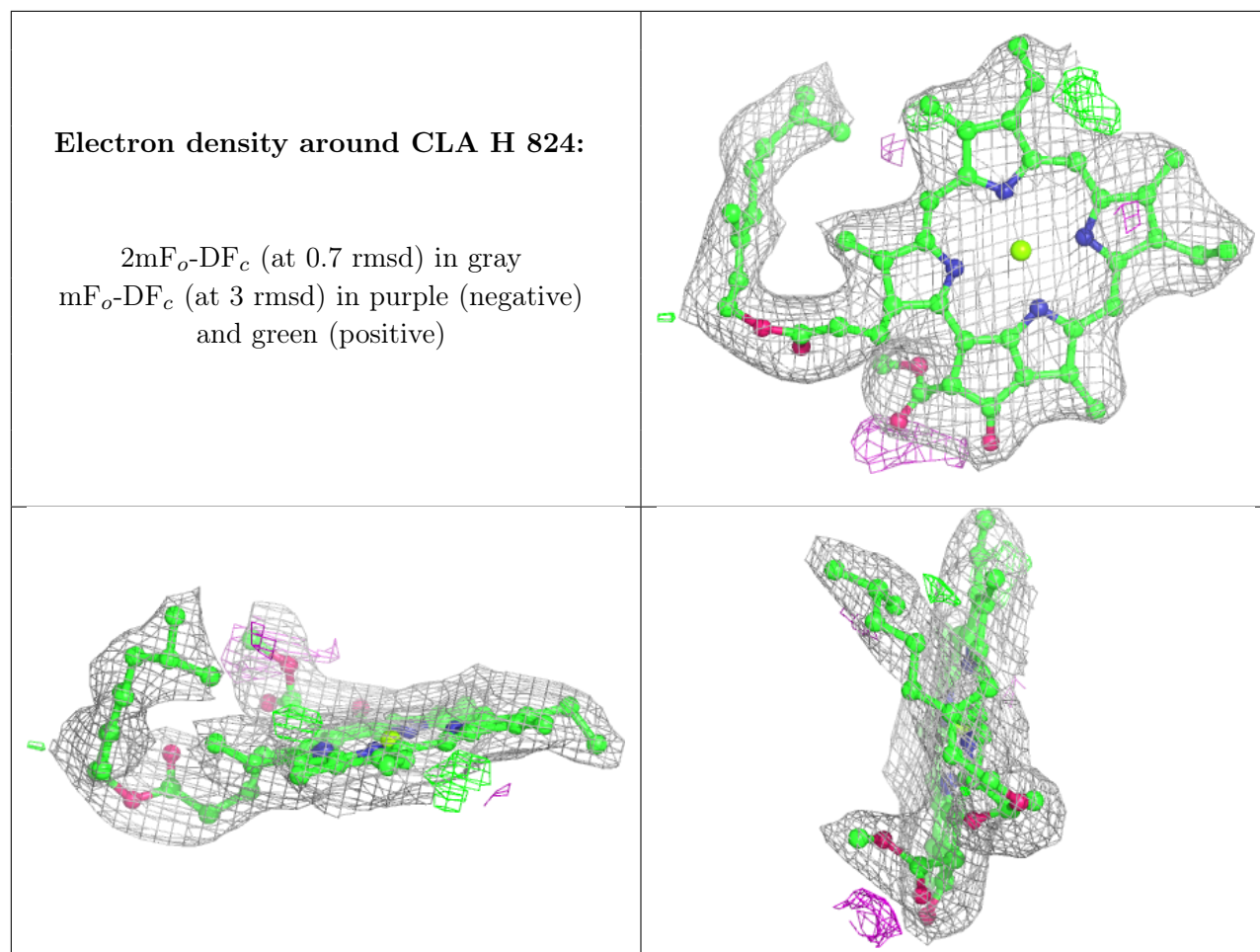






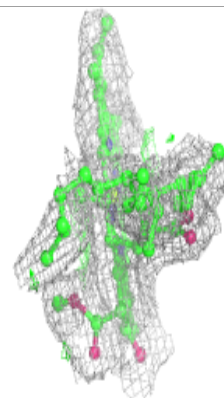
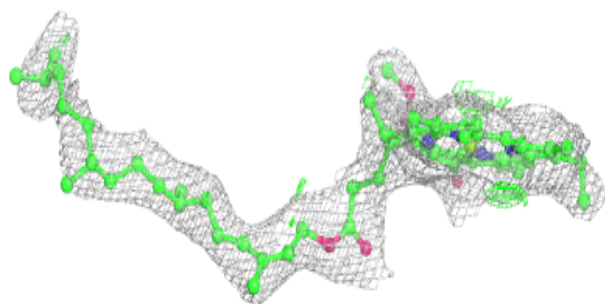
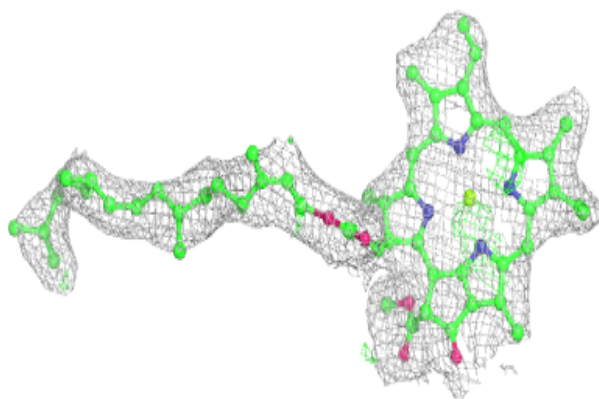




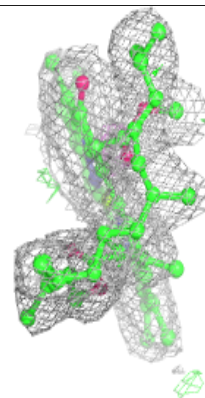
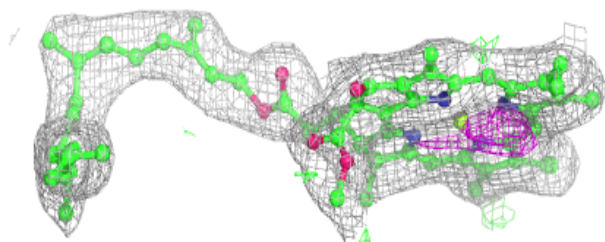
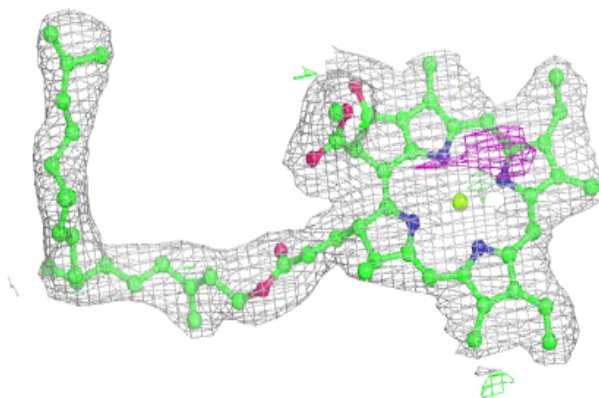


**Electron density around CLA H 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA H 826:**

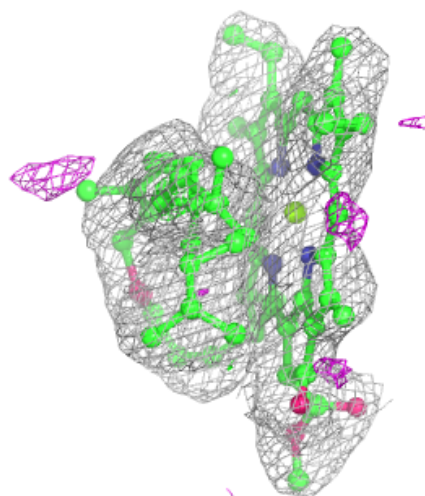
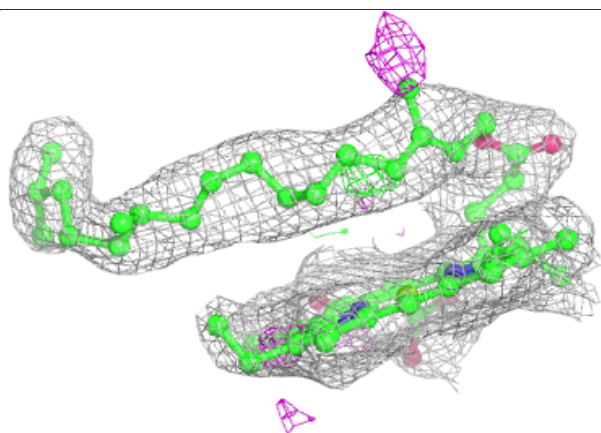
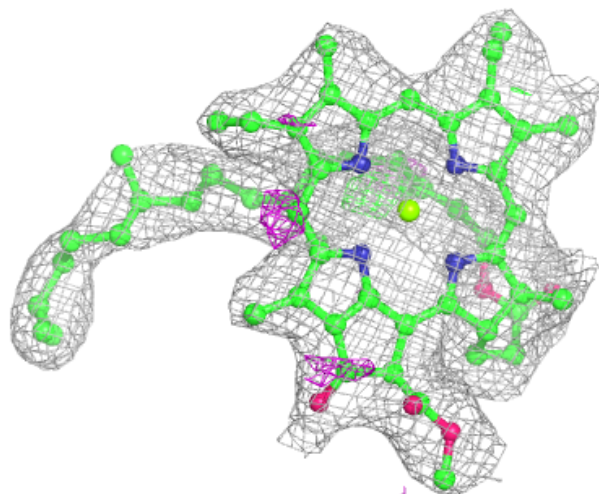
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





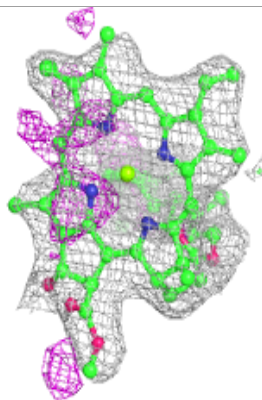
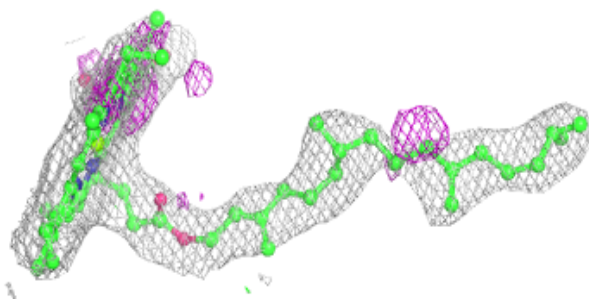
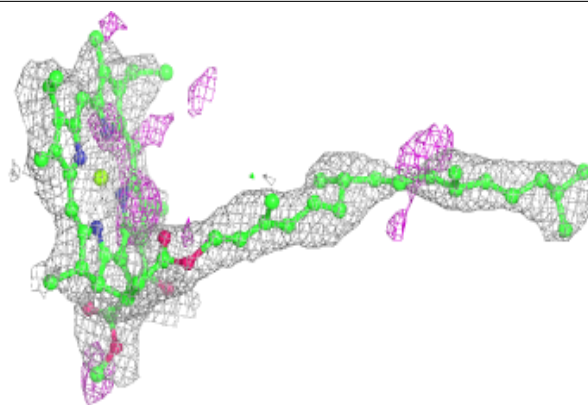
**Electron density around CLA H 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

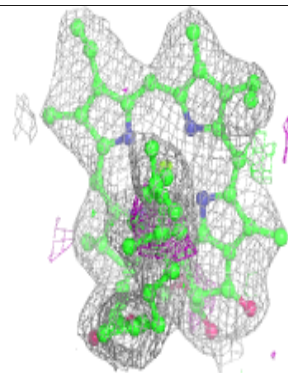
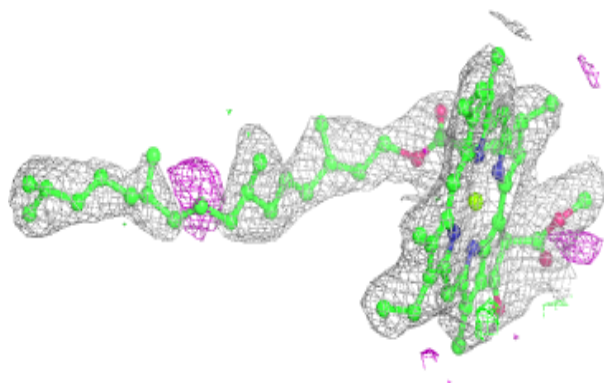
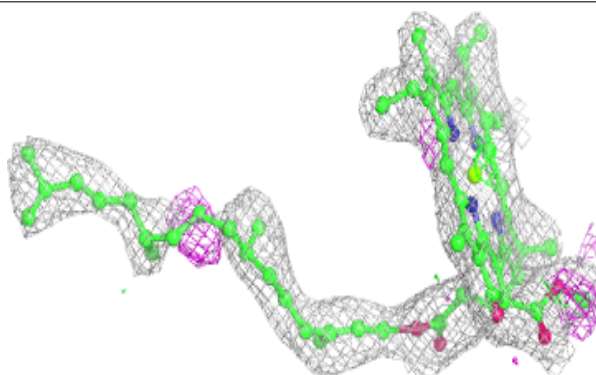


**Electron density around CLA H 828:**

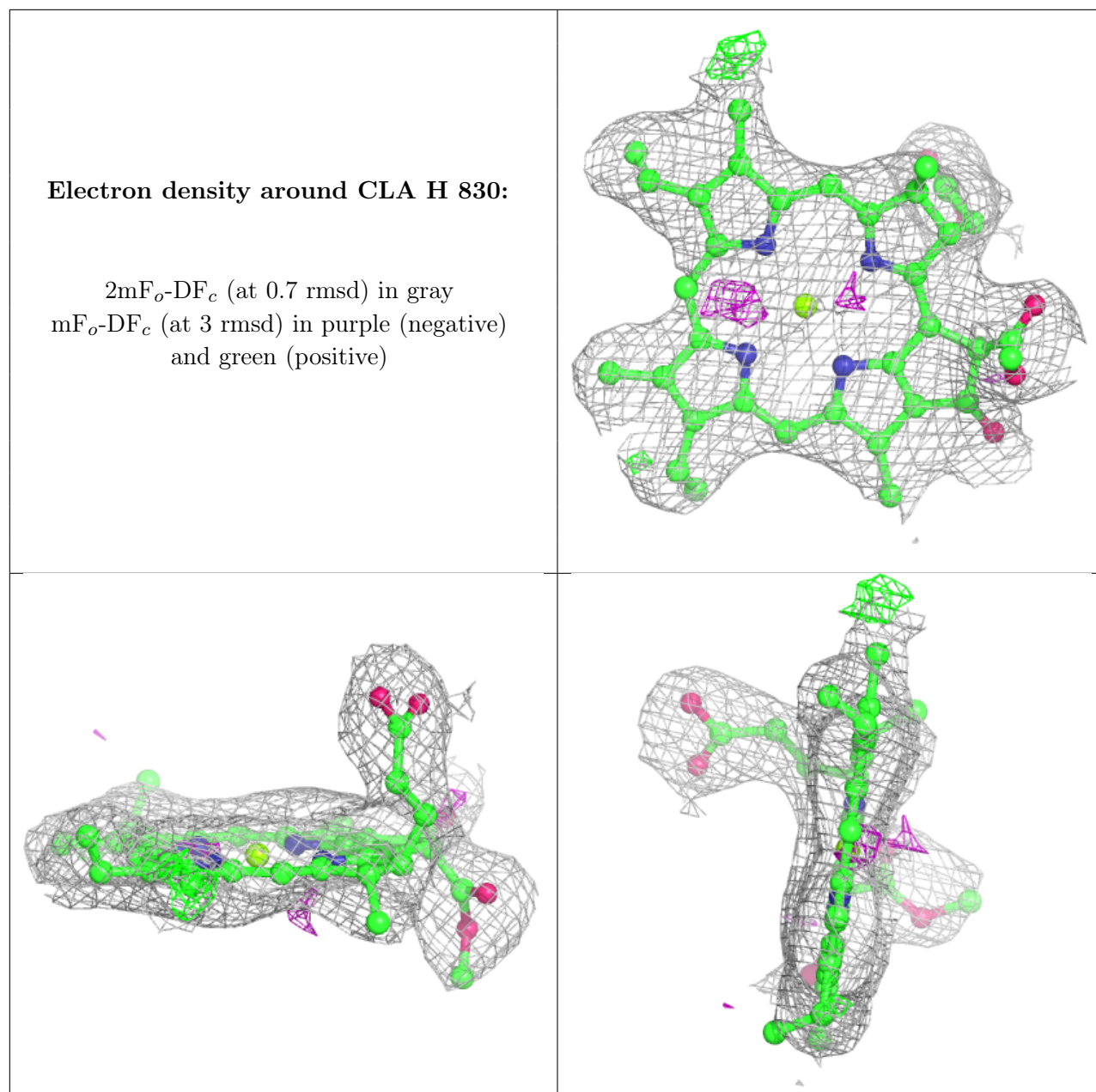
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

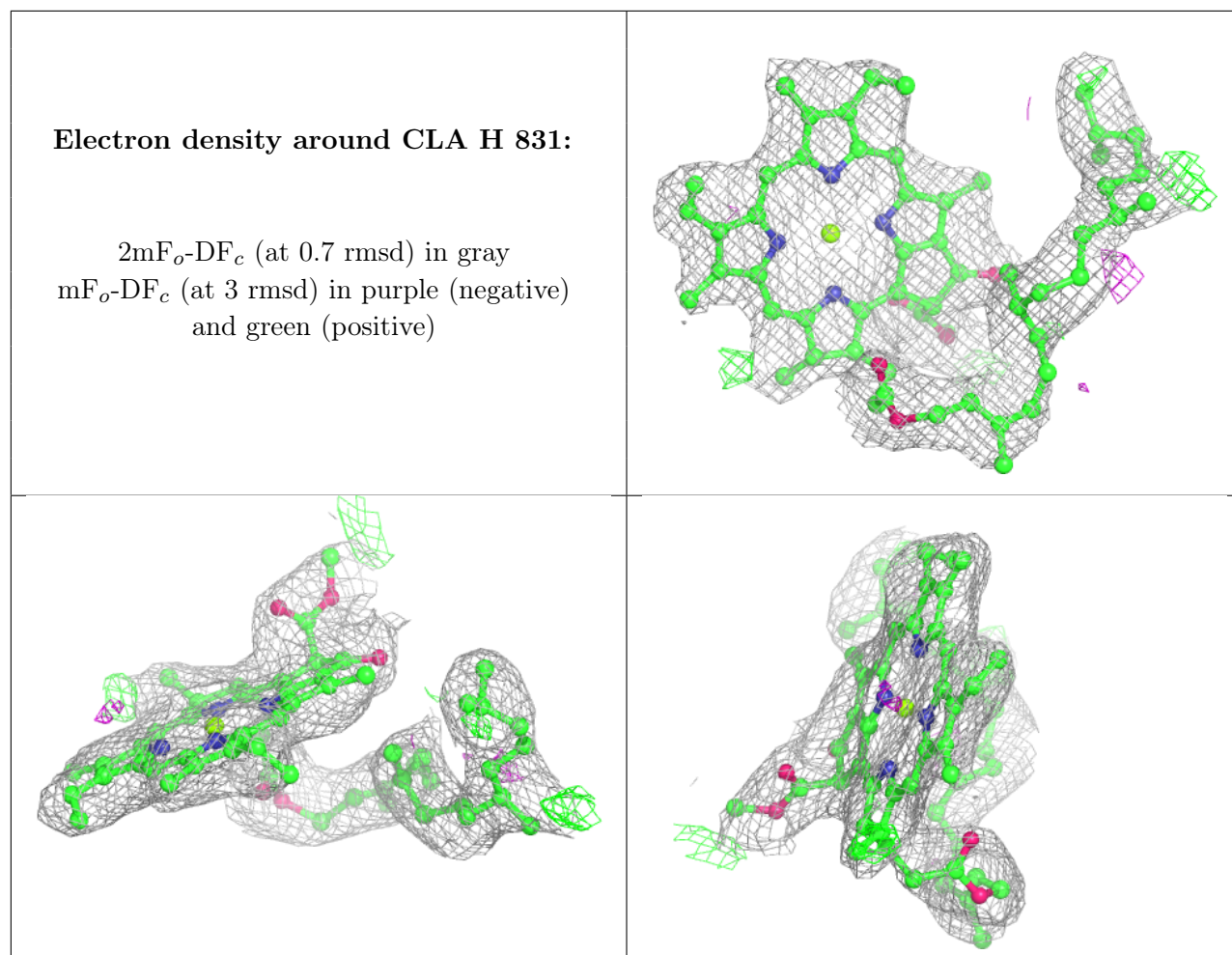
**Electron density around CLA H 829:**

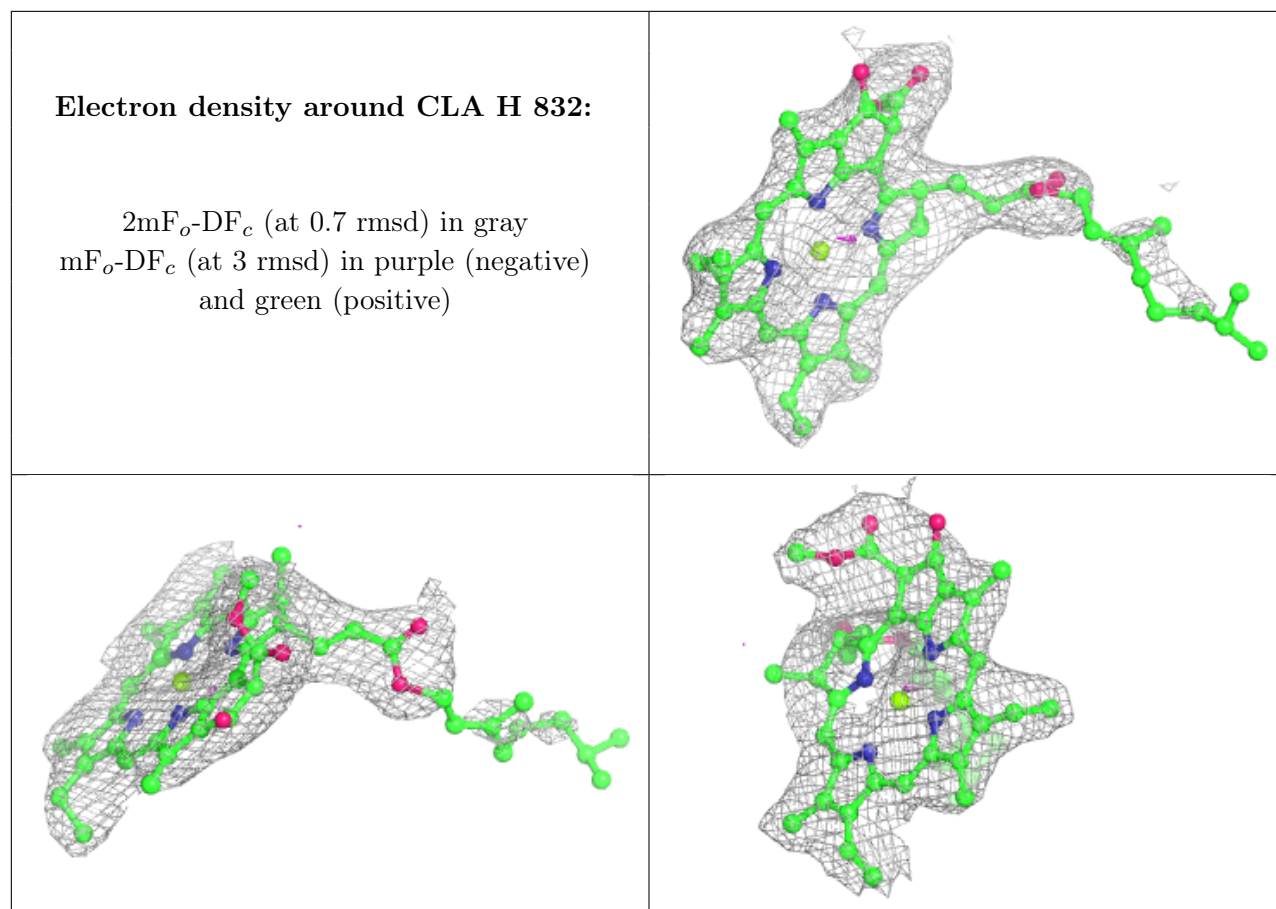
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

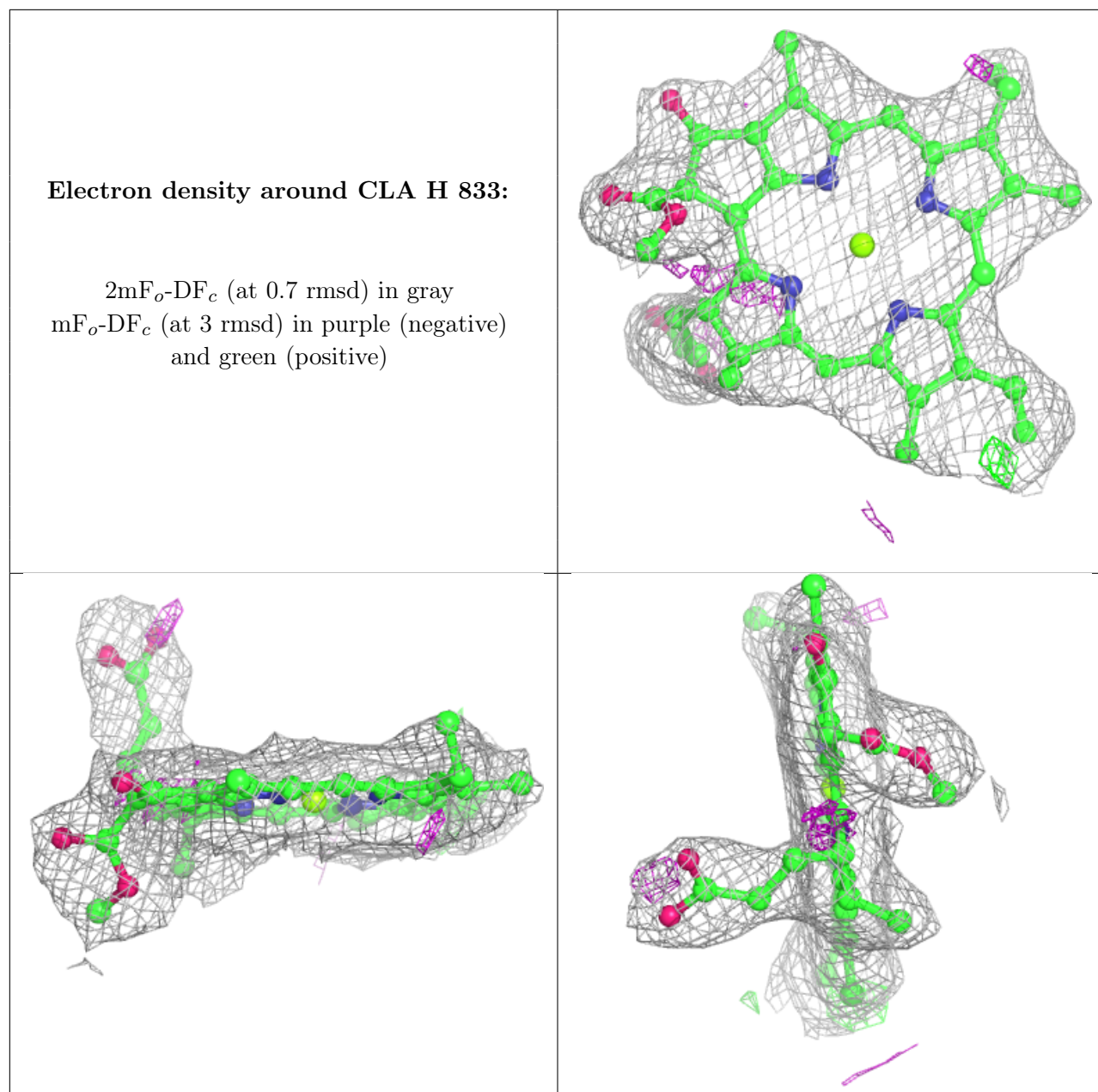






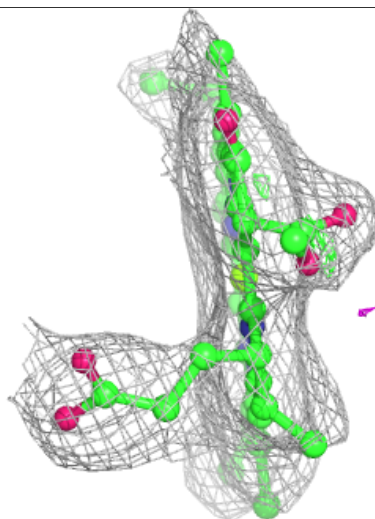
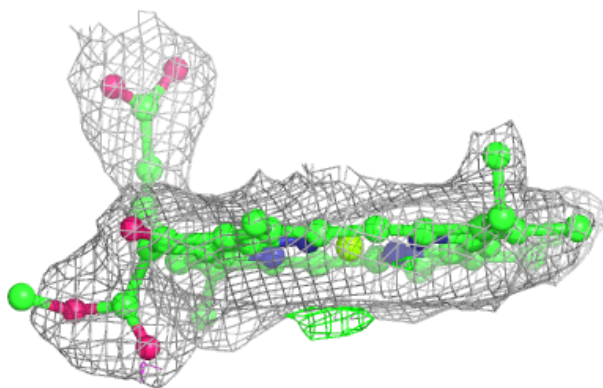
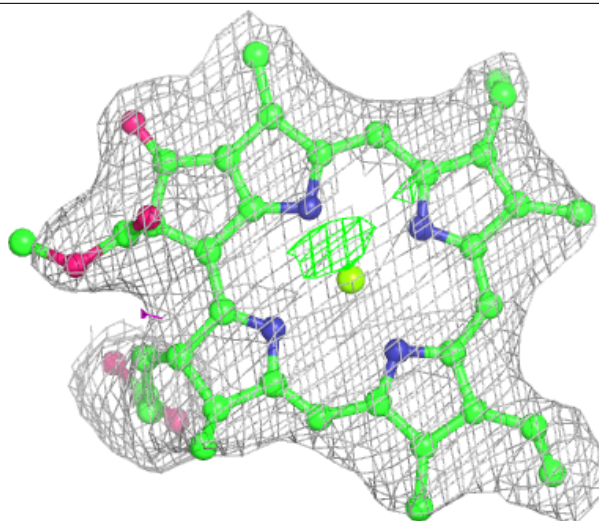






**Electron density around CLA H 834:**

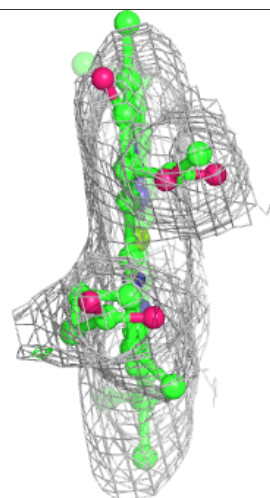
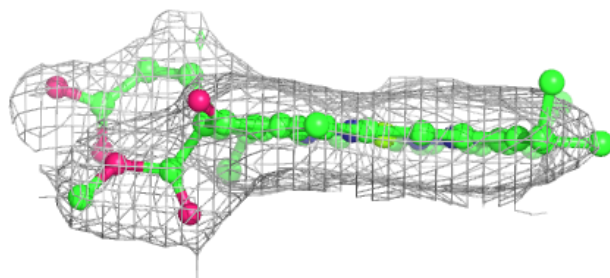
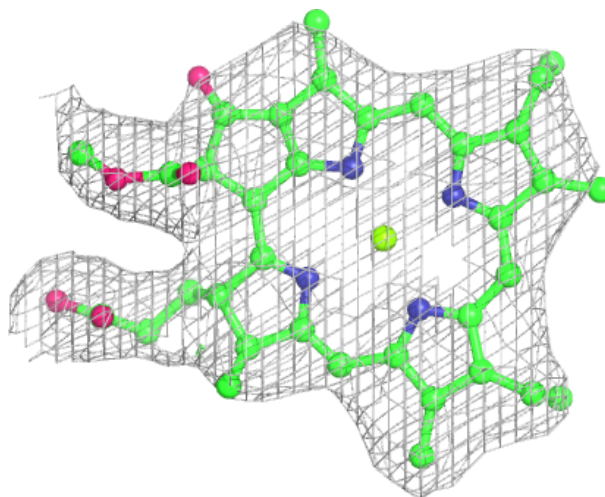
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

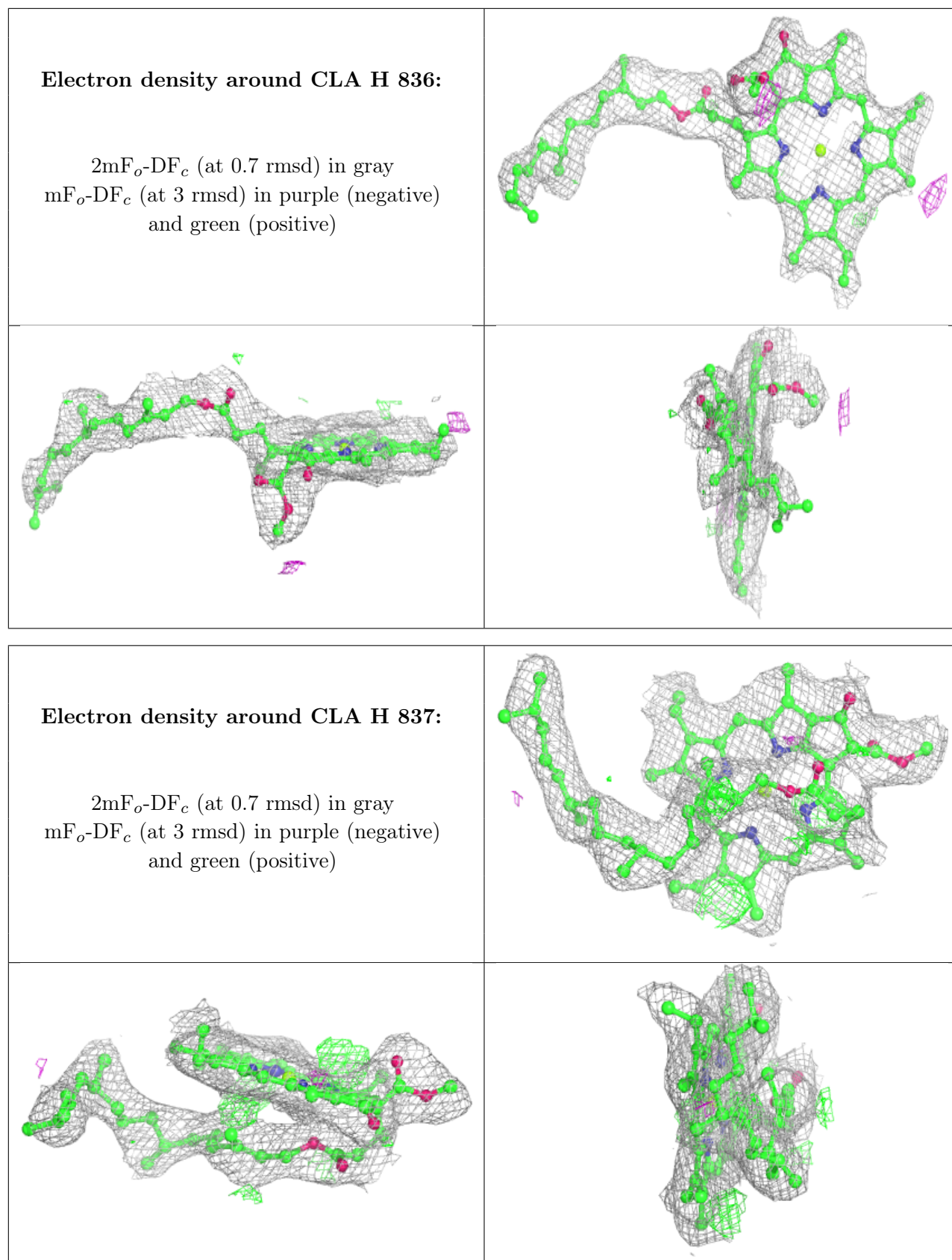




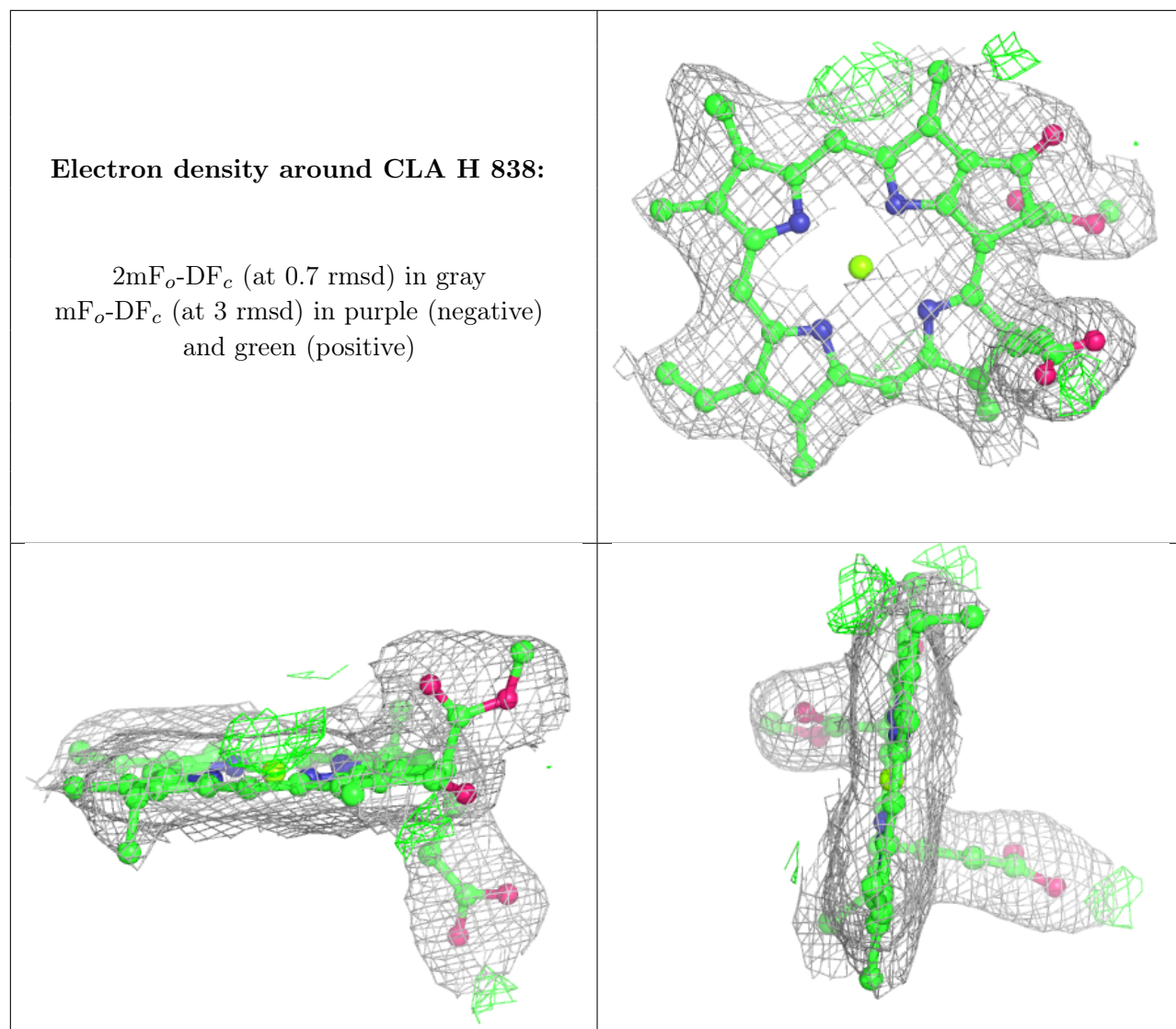
**Electron density around CLA H 835:**

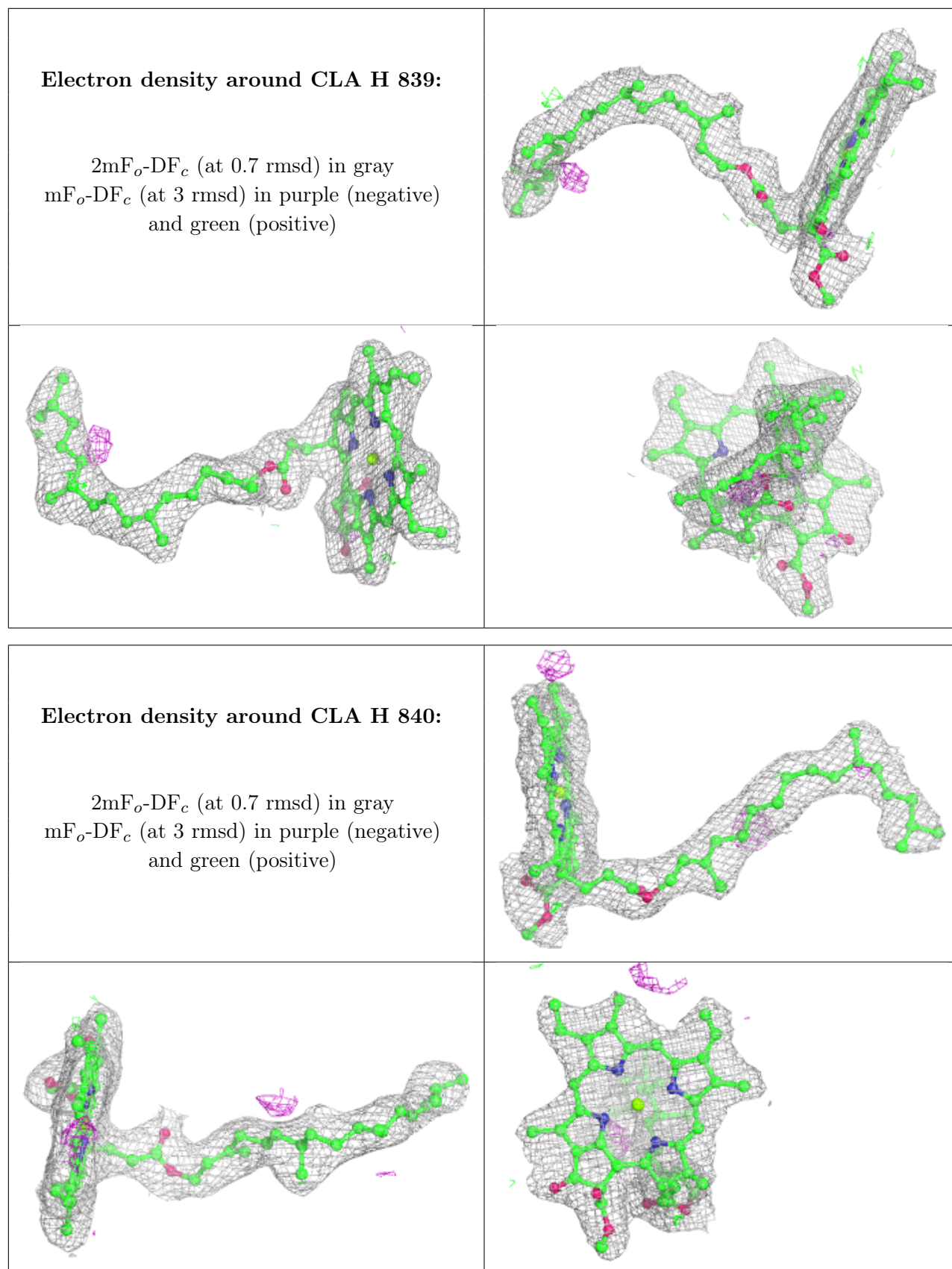
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

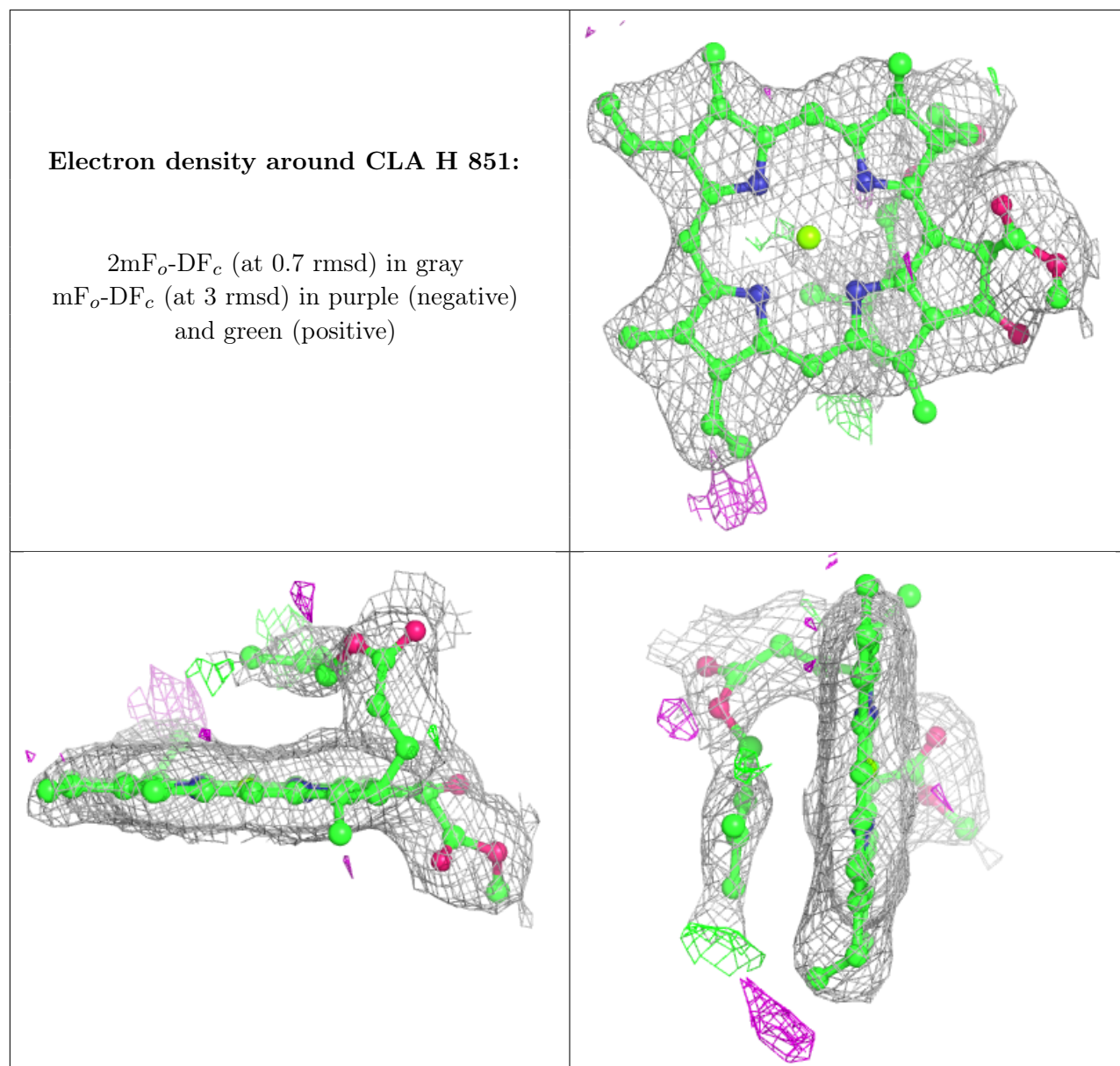






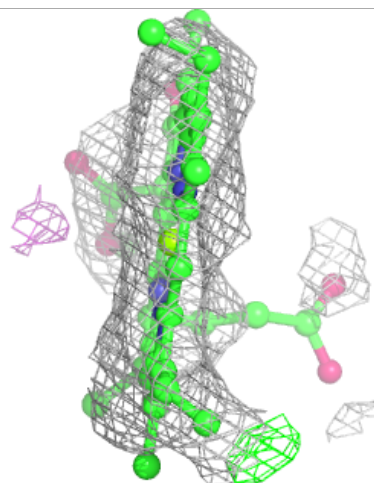
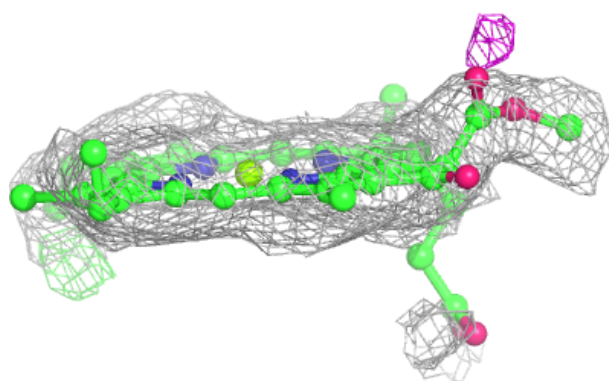
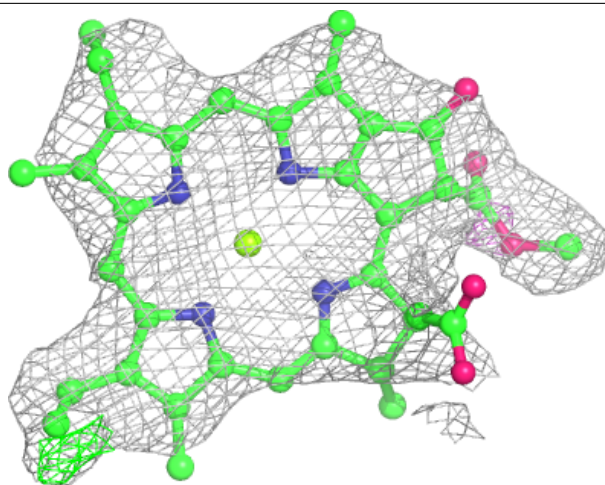






**Electron density around CLA J 101:**

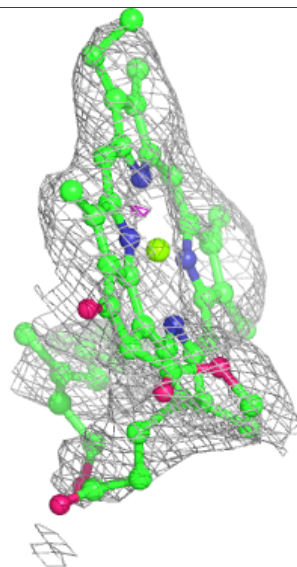
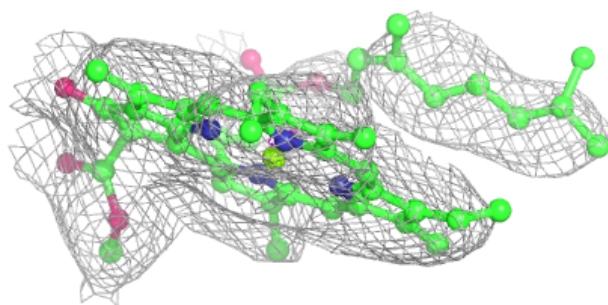
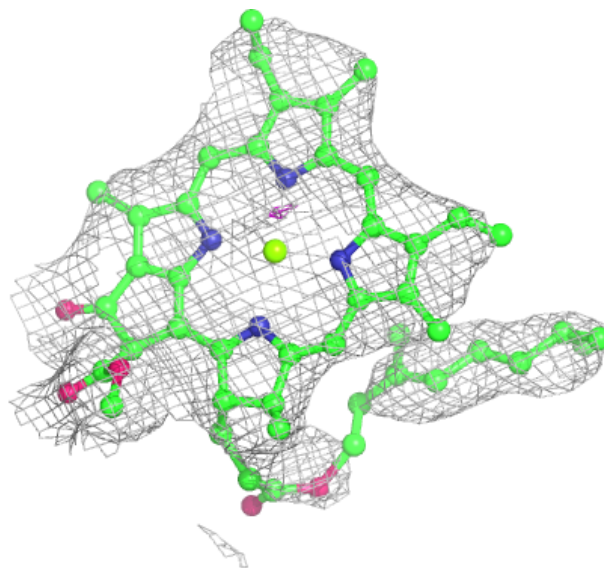
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

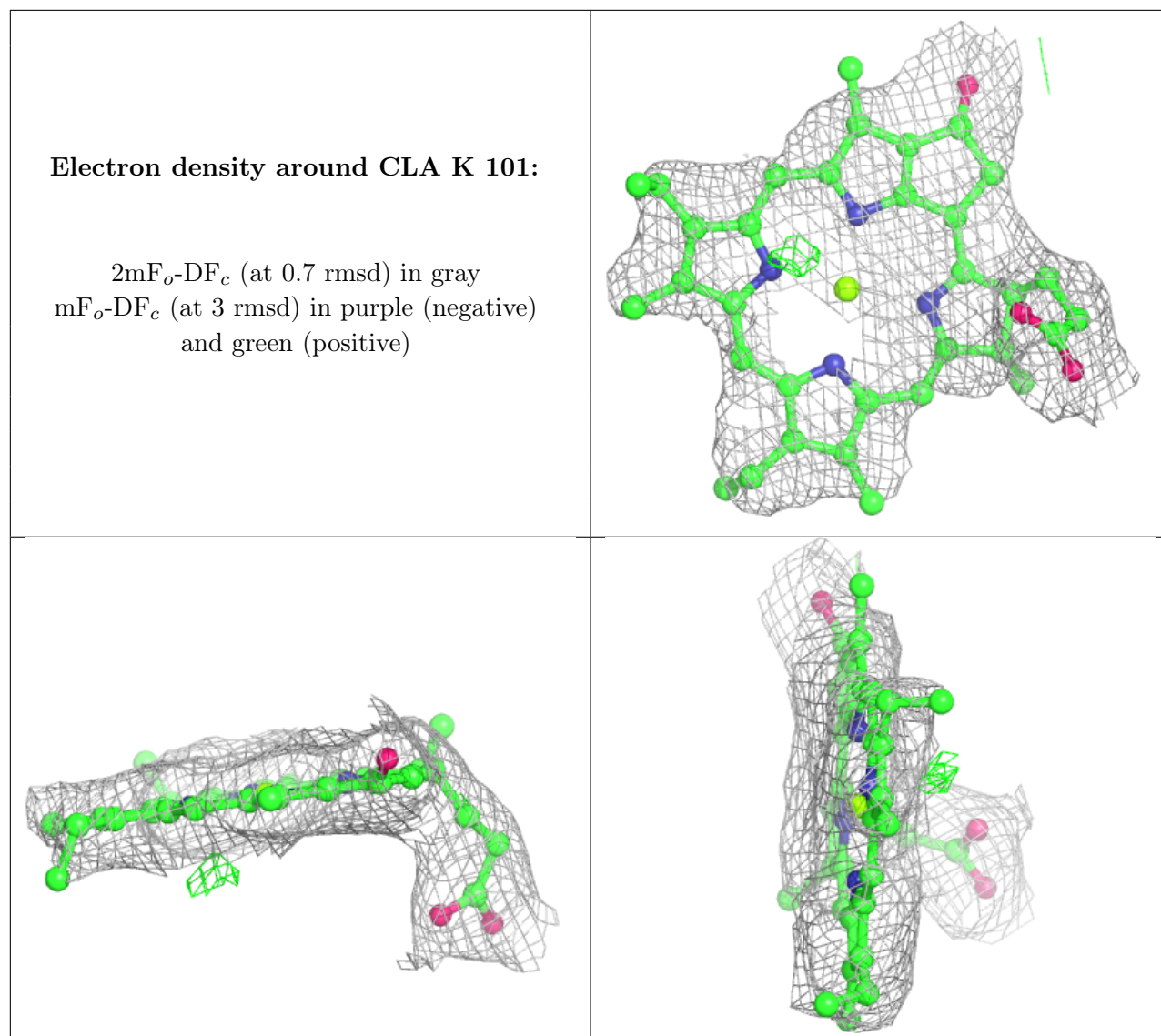


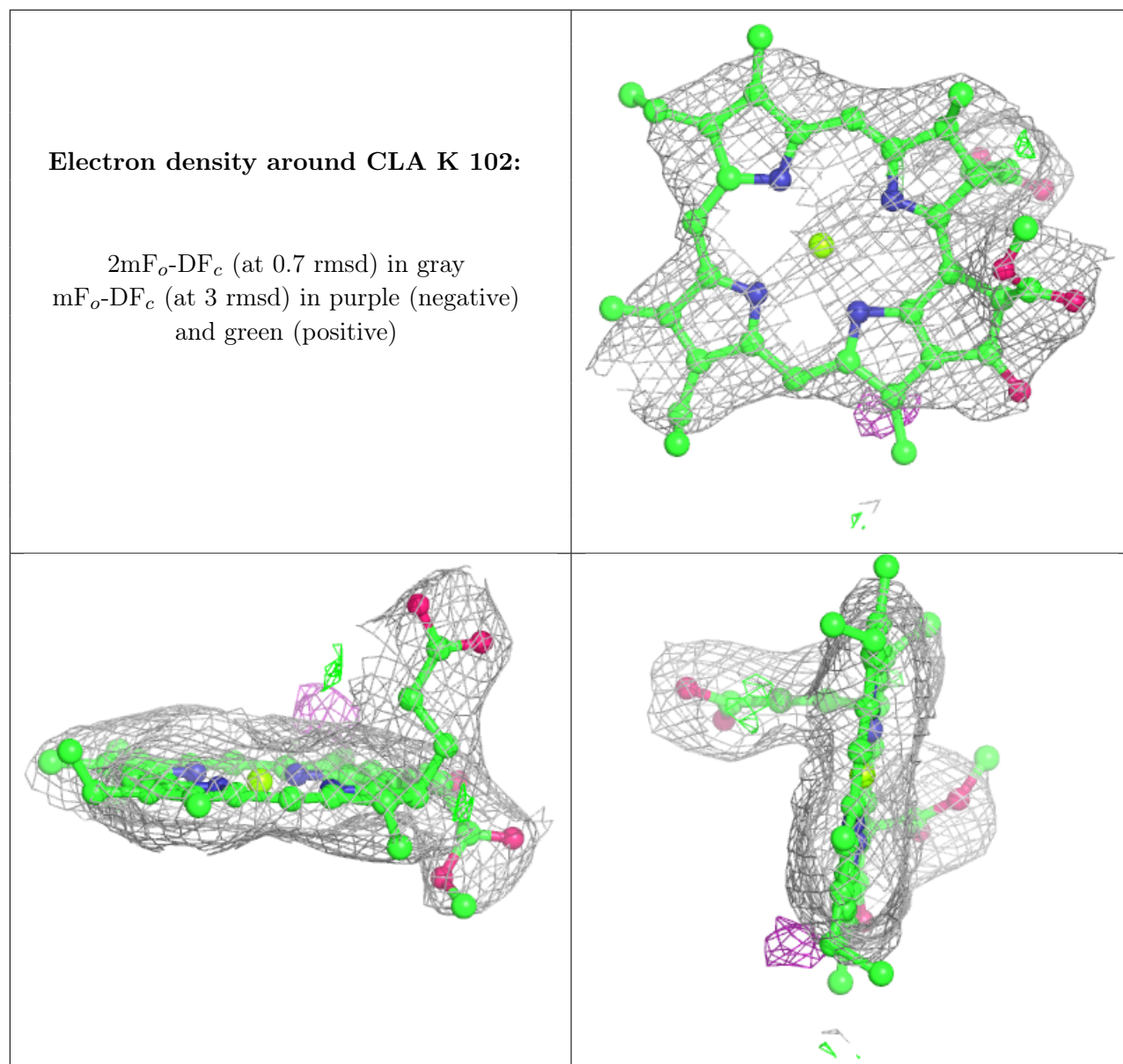


**Electron density around CLA J 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



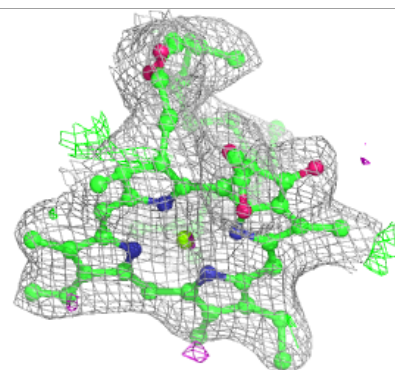
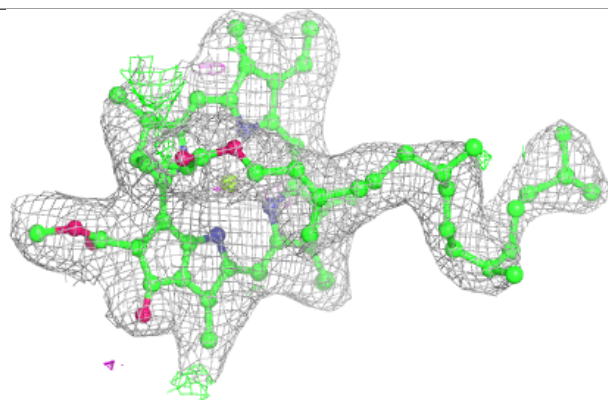
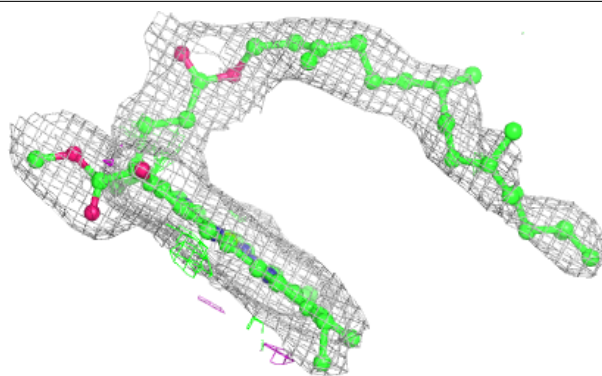




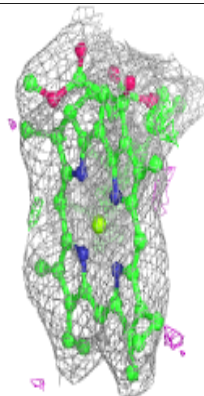
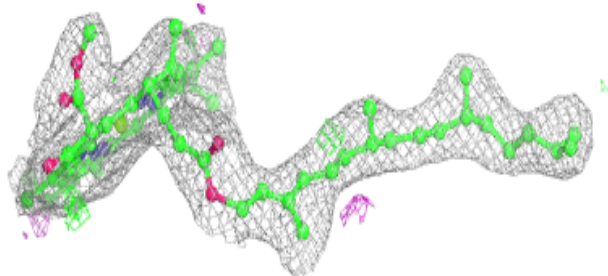
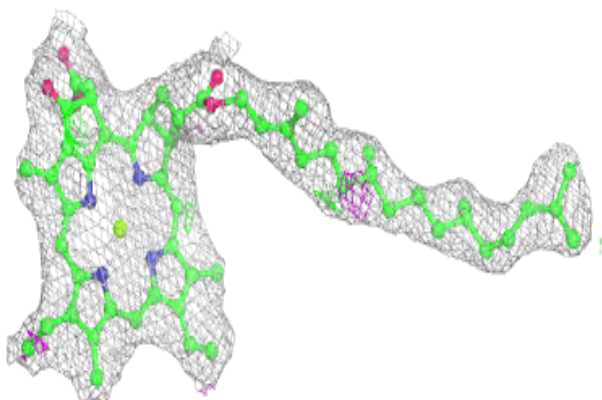


**Electron density around CLA L 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

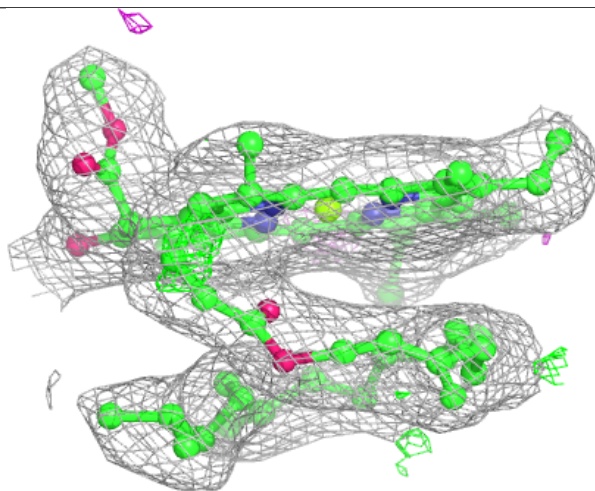
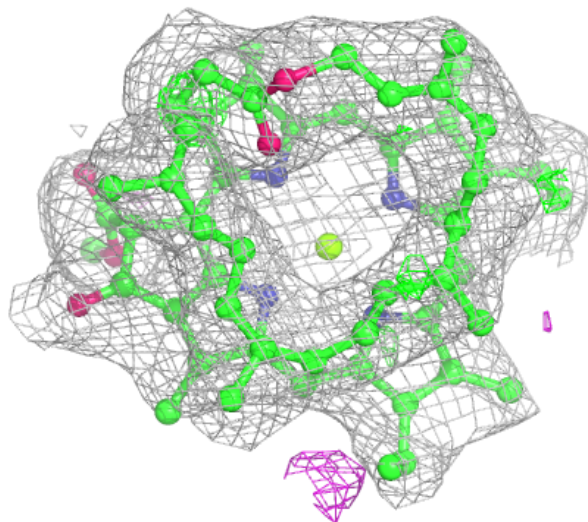
**Electron density around CLA L 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



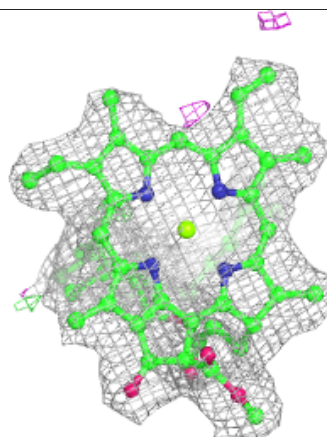
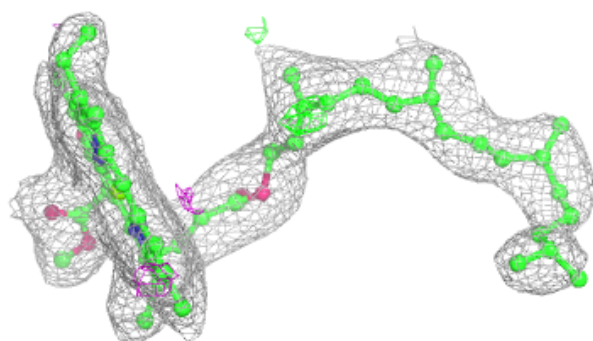
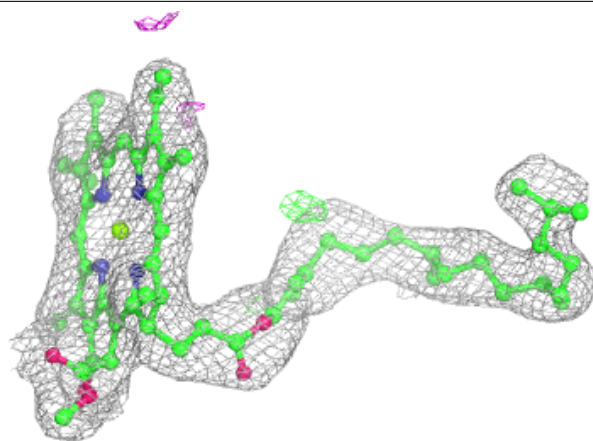
**Electron density around CLA L 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

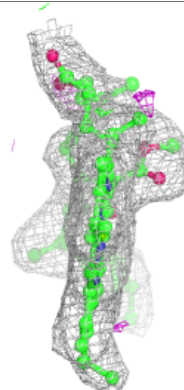
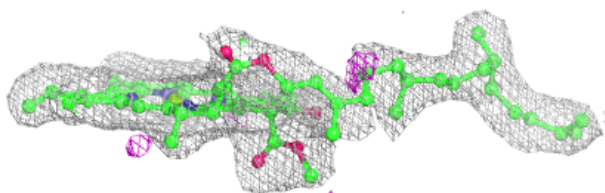
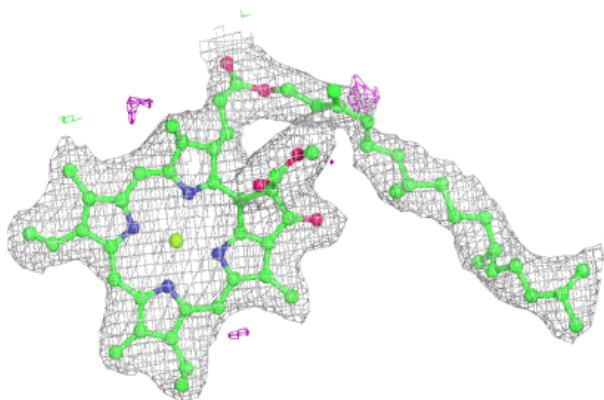


**Electron density around CLA L 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

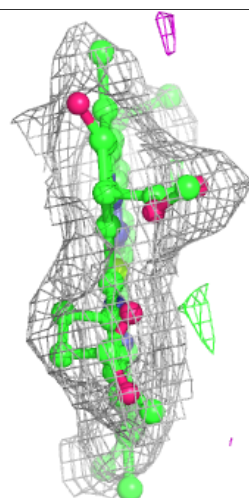
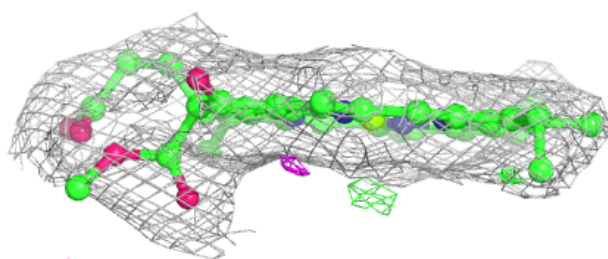
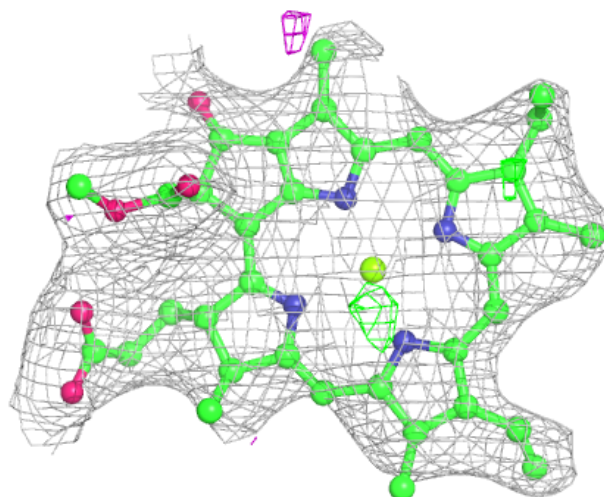
**Electron density around CLA L 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

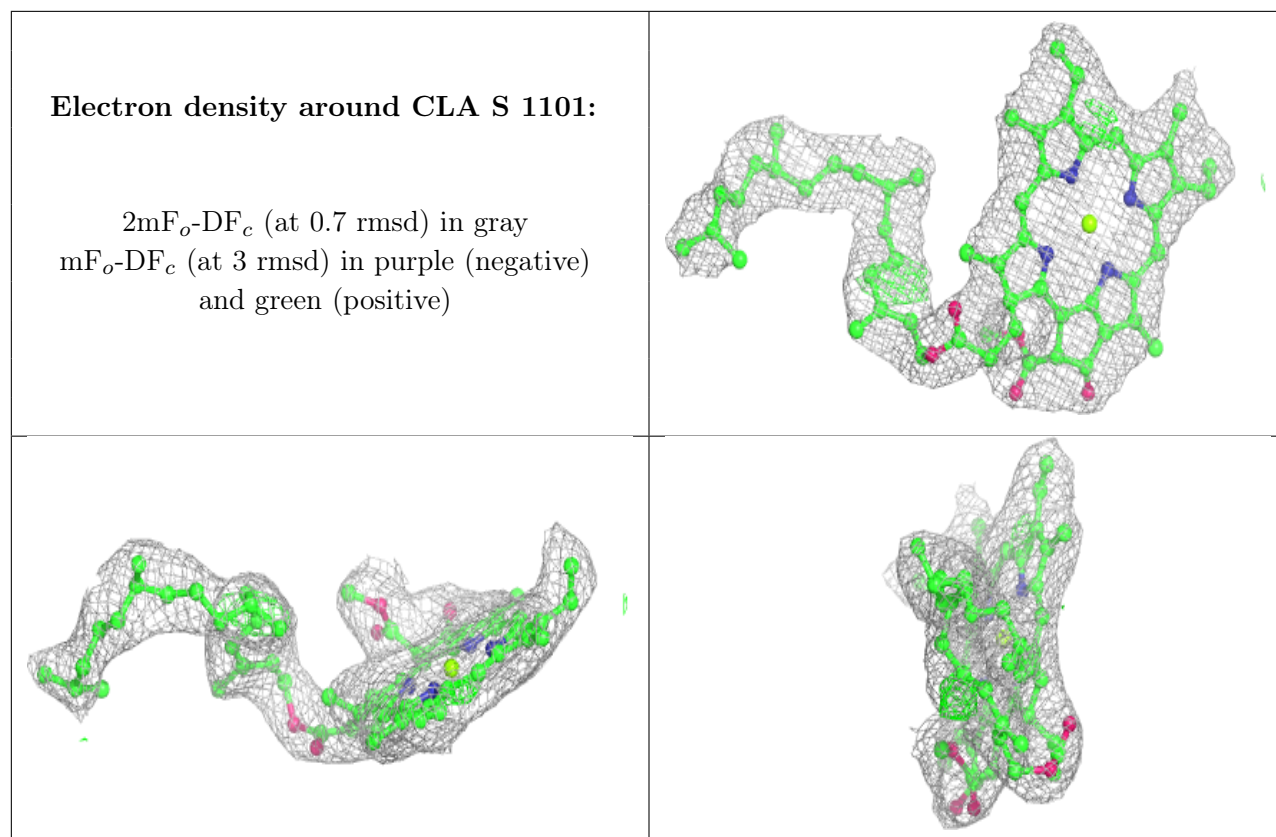


**Electron density around CLA Q 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

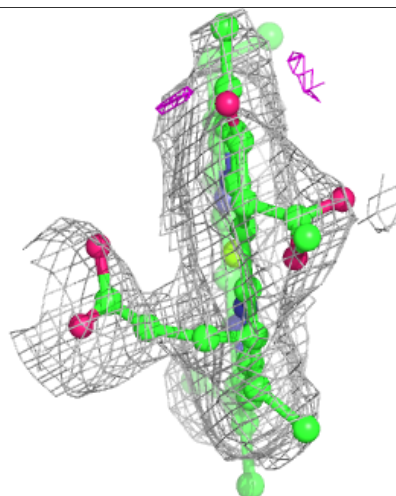
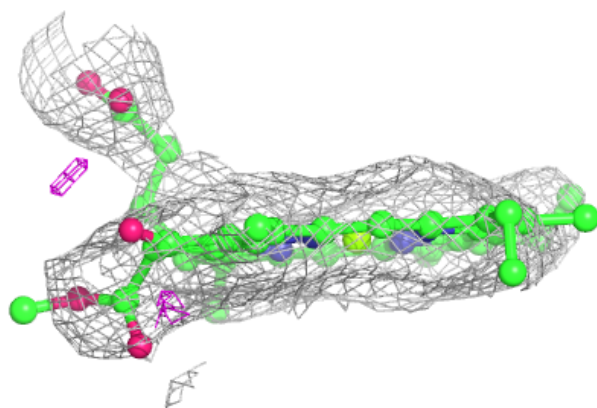
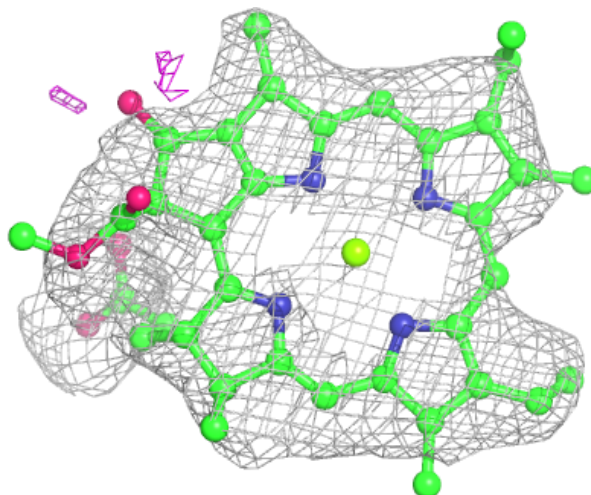






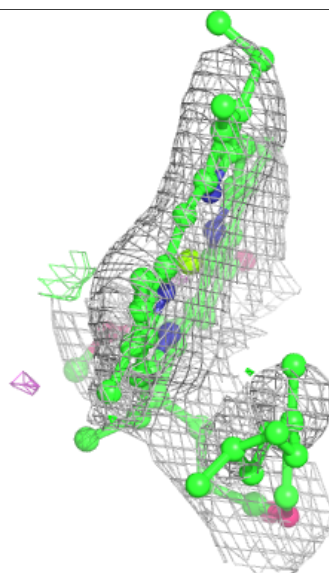
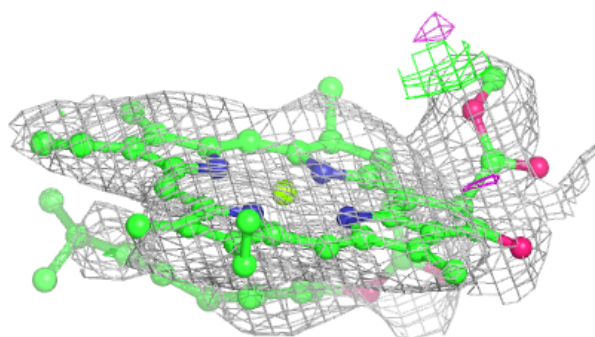
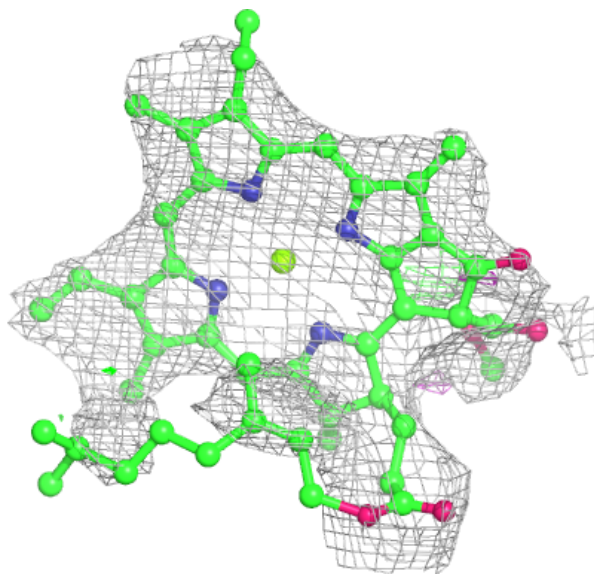
**Electron density around CLA S 1102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA S 1103:**

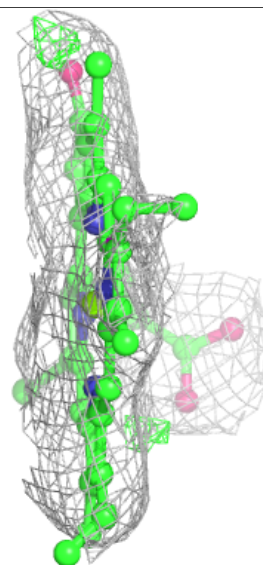
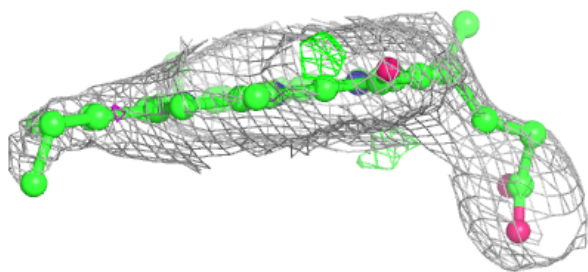
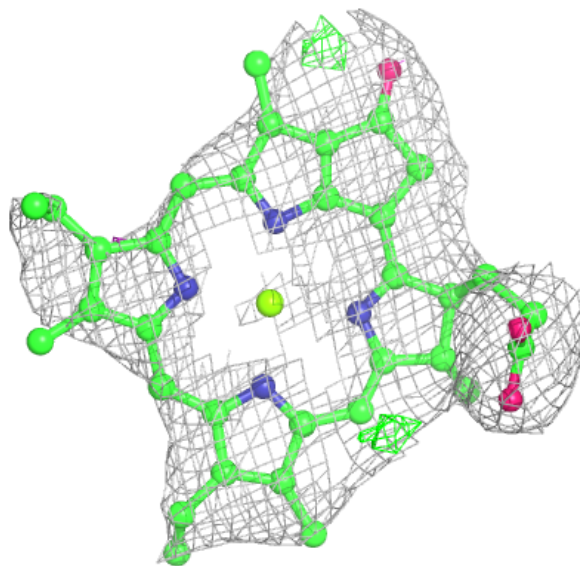
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





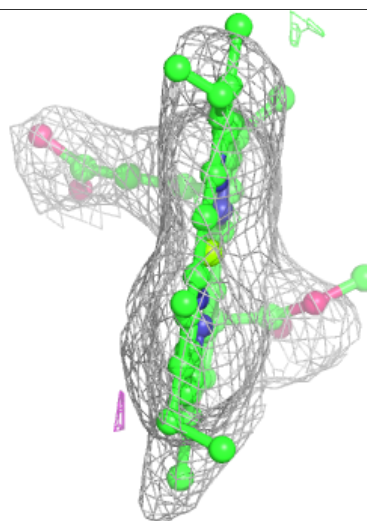
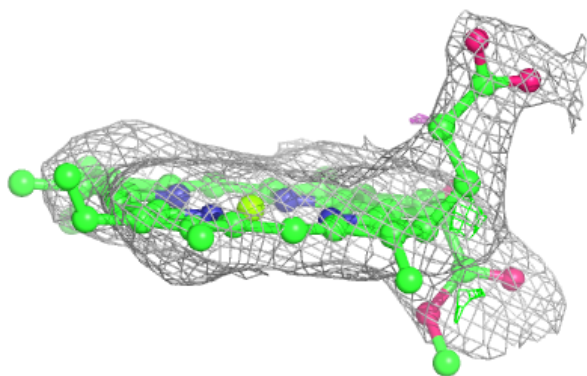
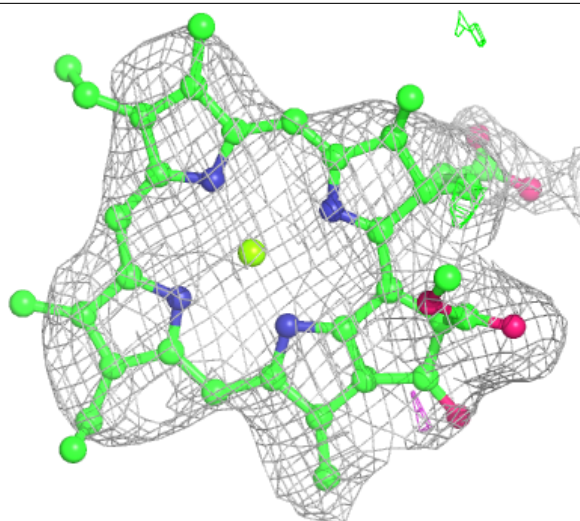
**Electron density around CLA T 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



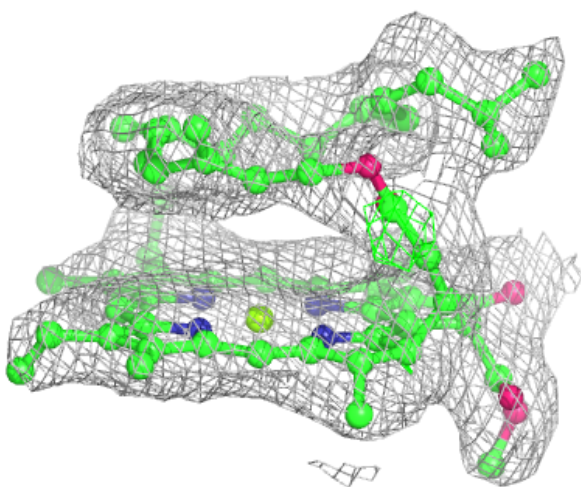
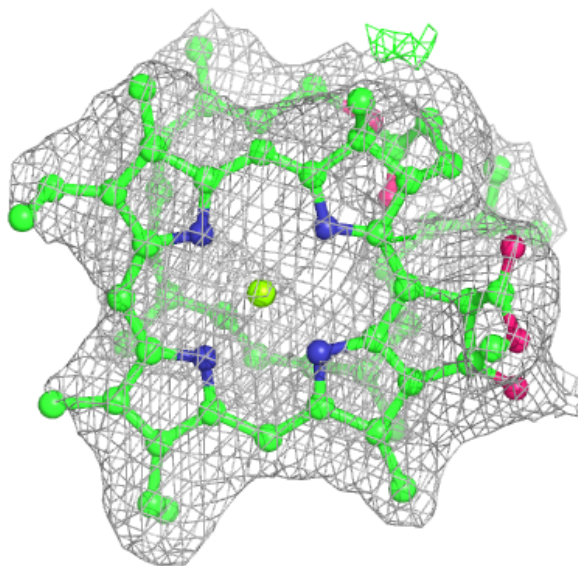
**Electron density around CLA T 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



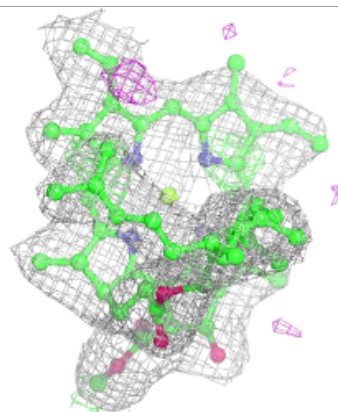
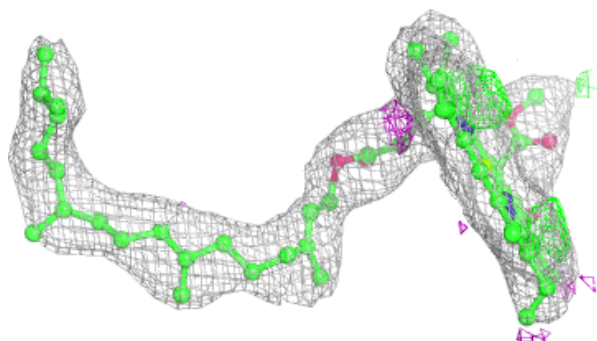
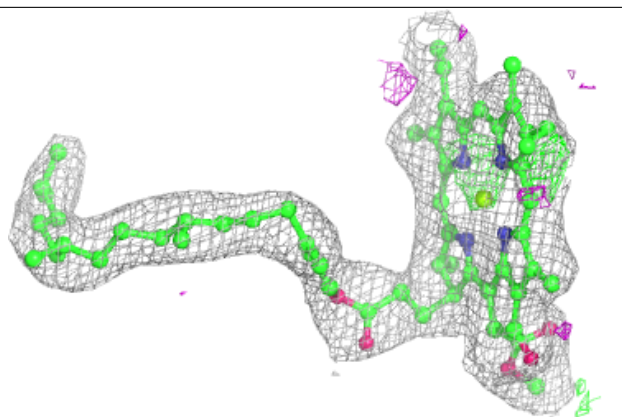
**Electron density around CLA U 1002:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

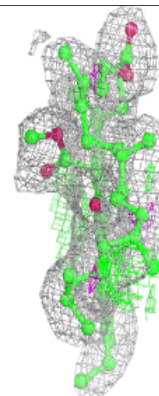
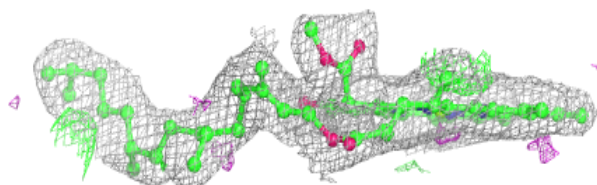
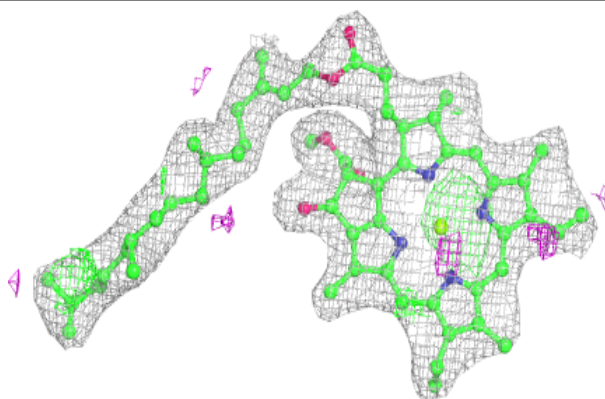


**Electron density around CLA U 1003:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA U 1004:**

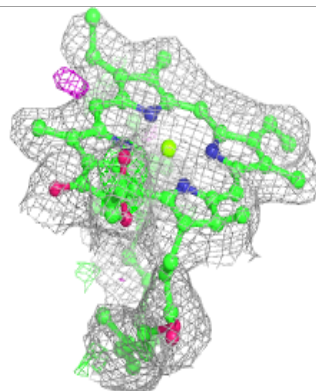
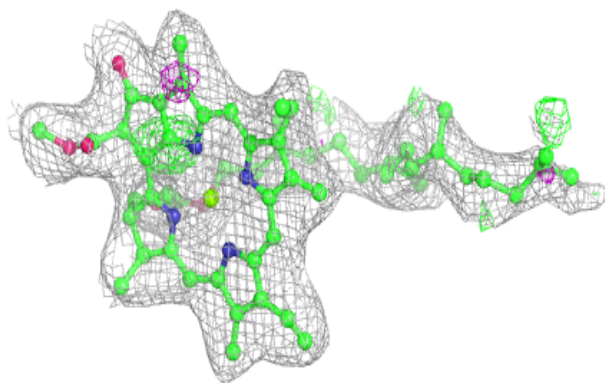
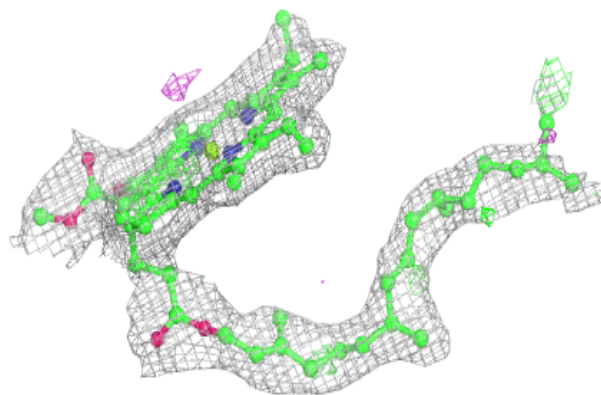
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



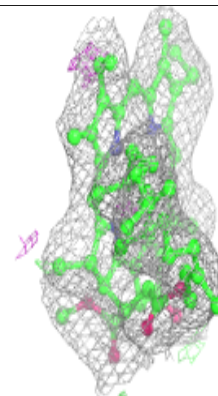
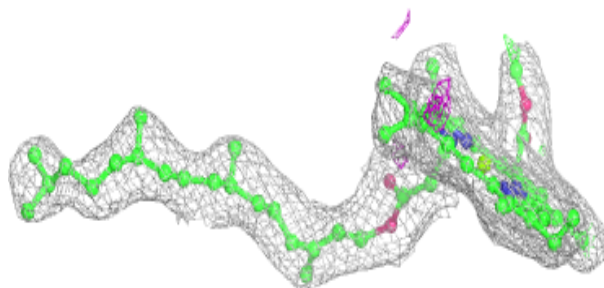
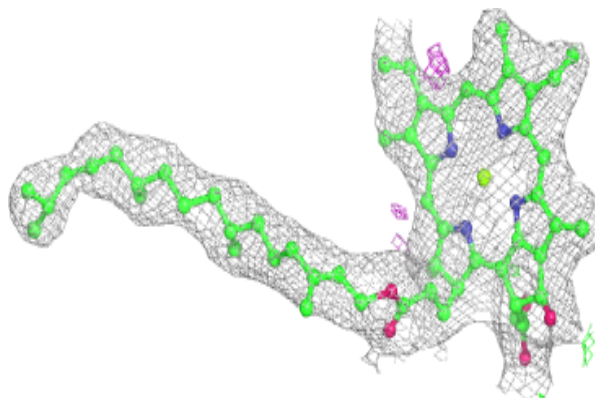


**Electron density around CLA U 1006:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

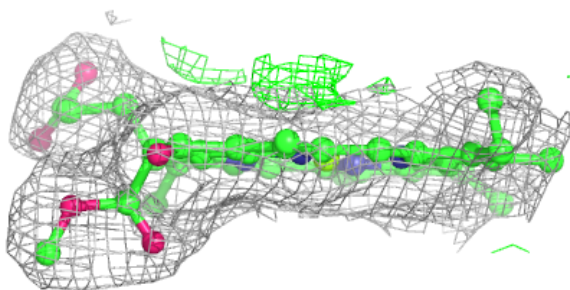
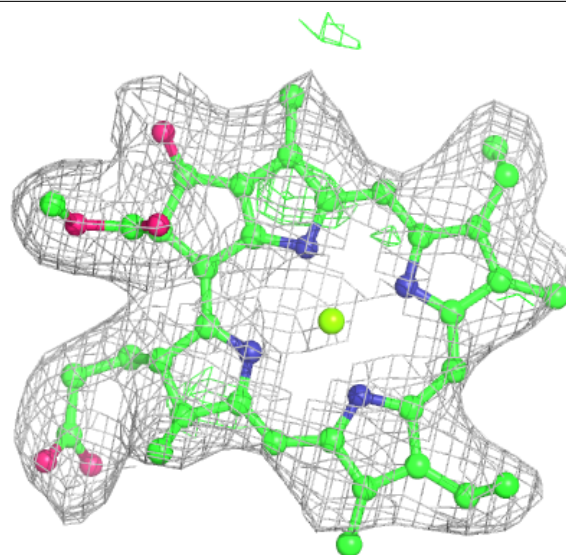
**Electron density around CLA U 1007:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



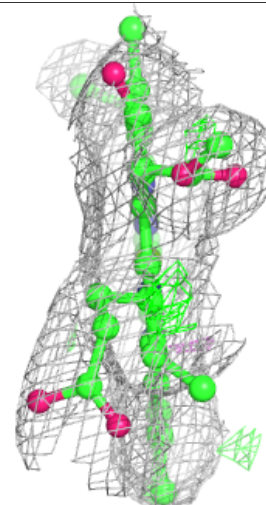
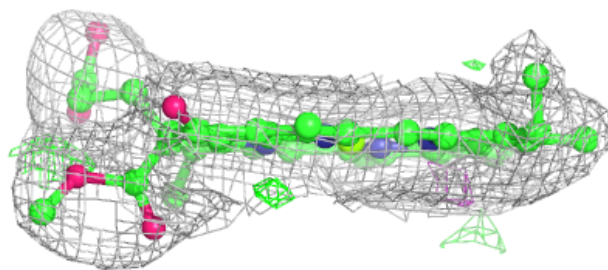
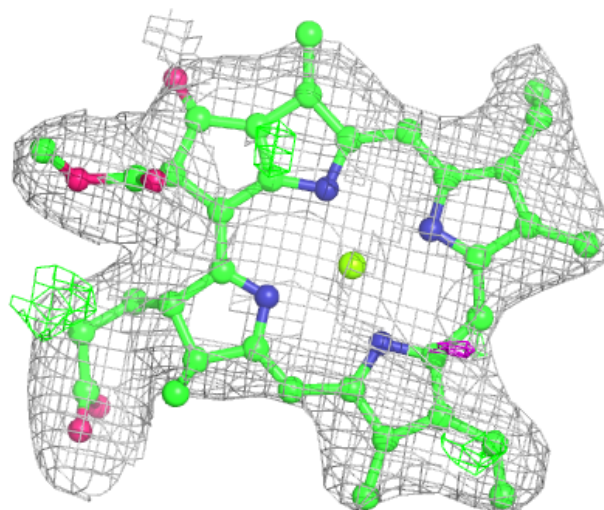
**Electron density around CLA W 1701:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA X 1701:**

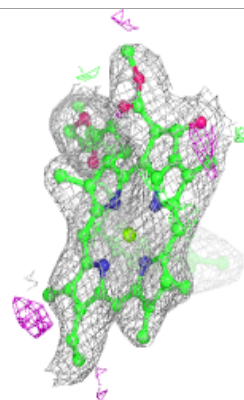
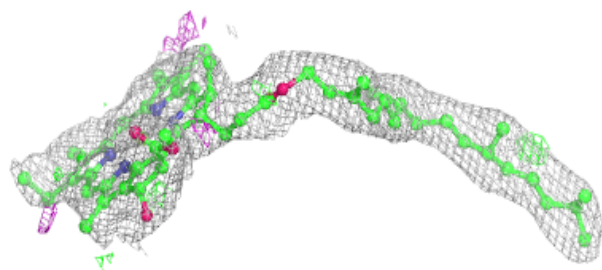
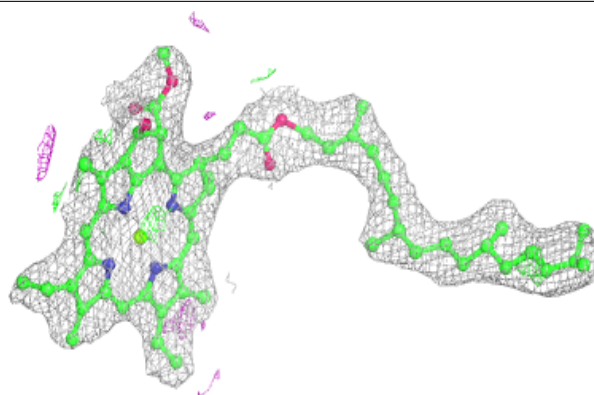
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



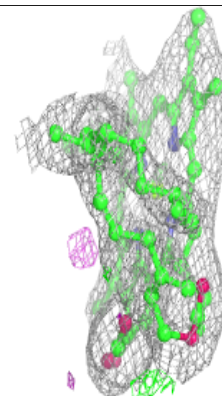
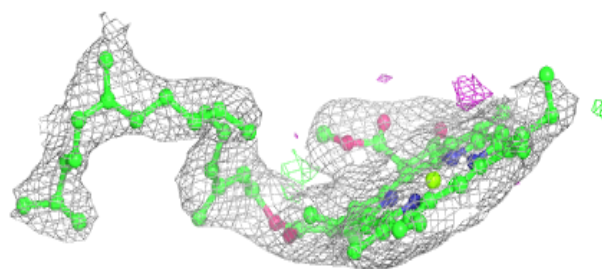
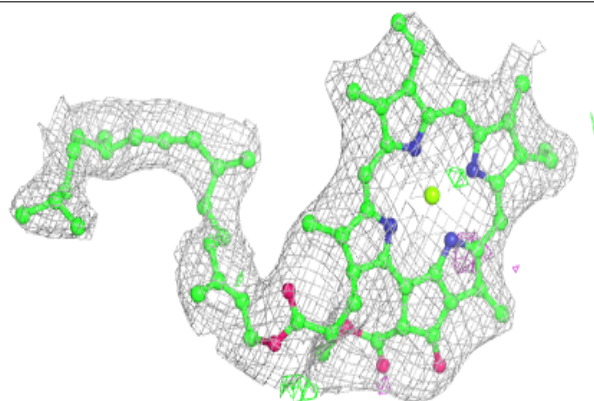


**Electron density around CLA Y 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

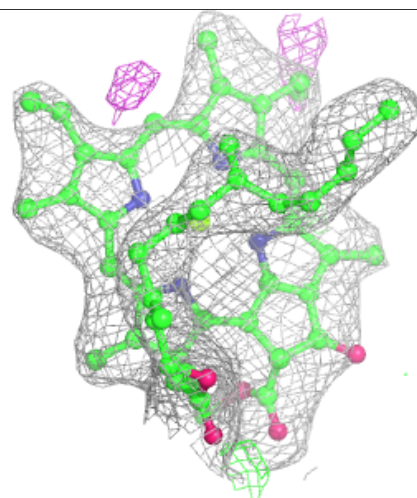
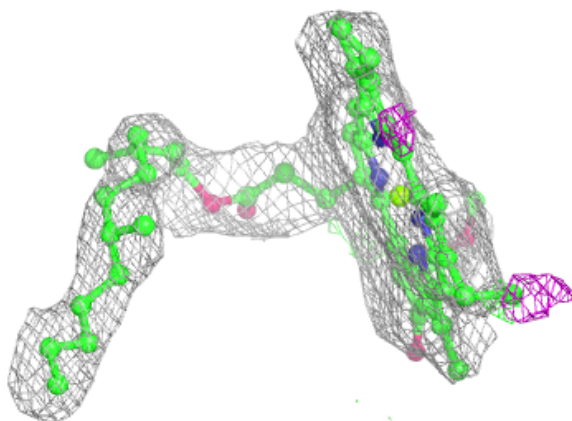
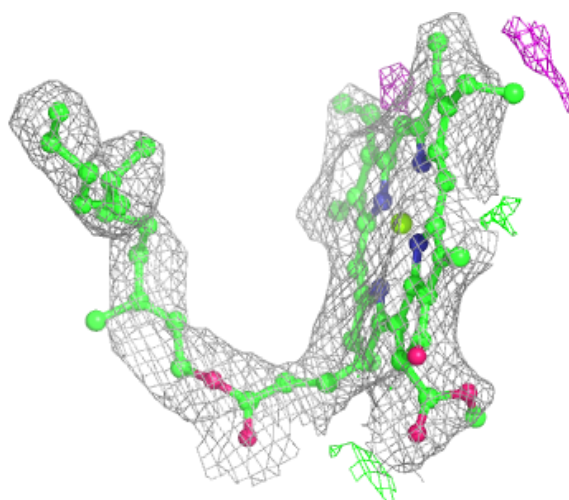
**Electron density around CLA Y 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



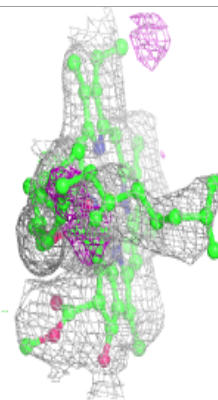
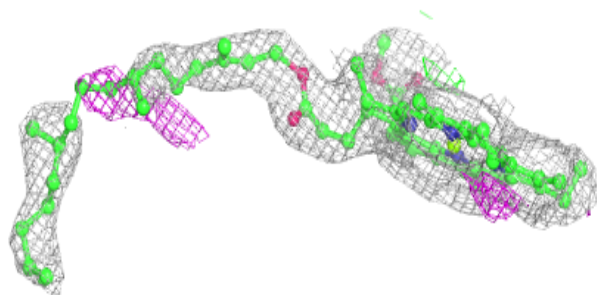
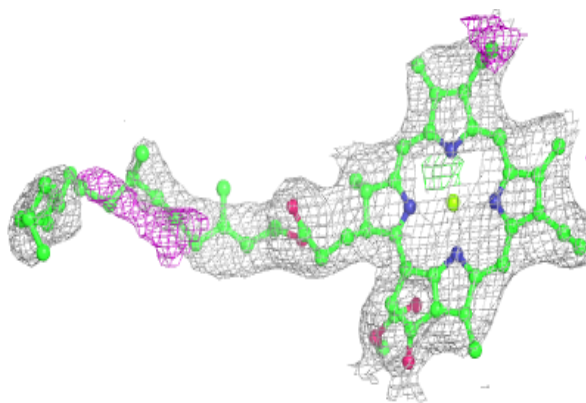
**Electron density around CLA Y 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

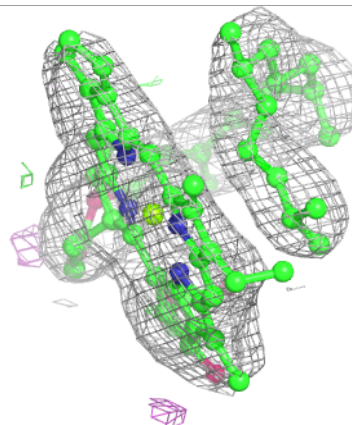
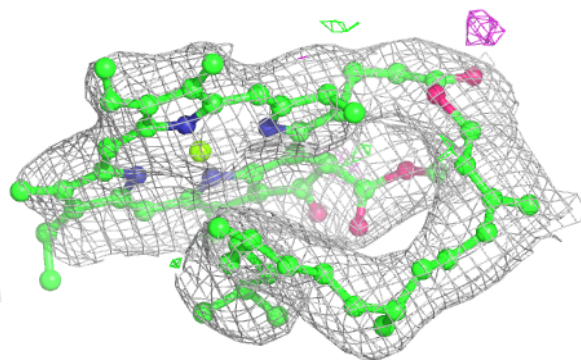
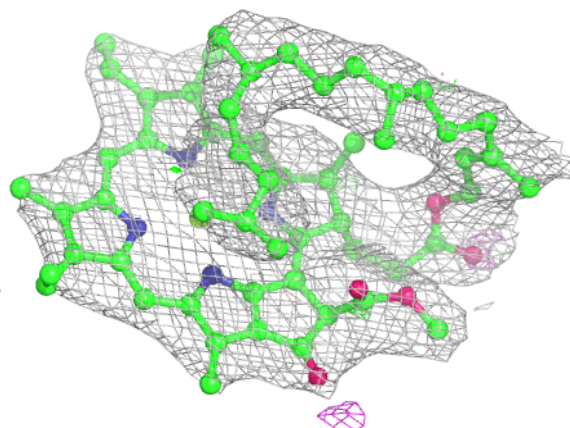


**Electron density around CLA Y 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

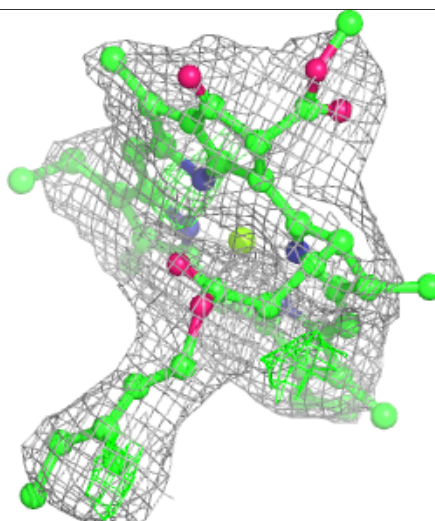
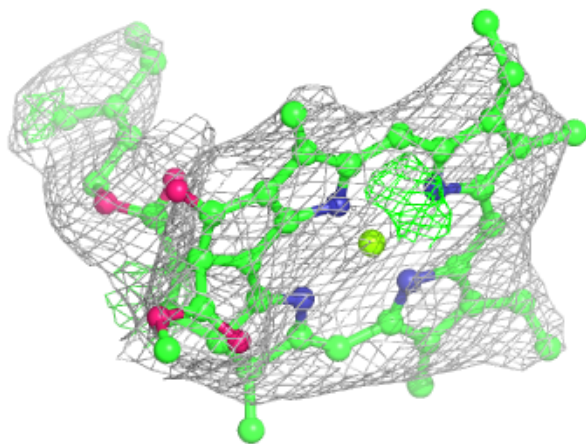
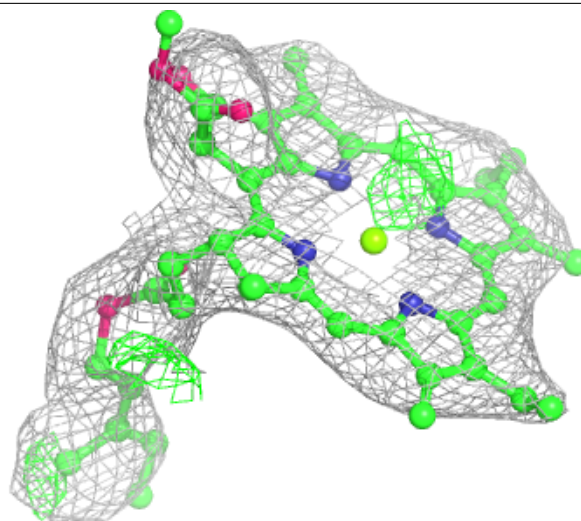
**Electron density around CLA Y 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Y 807:**

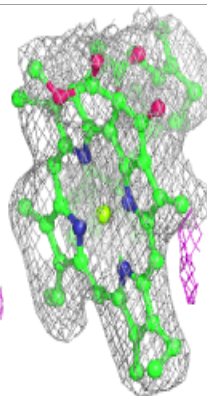
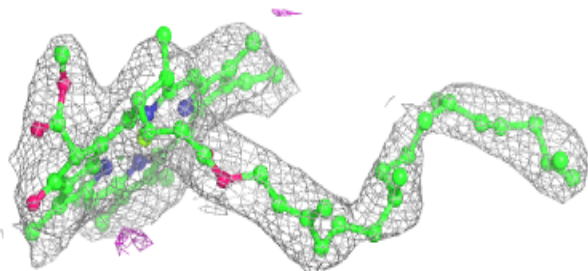
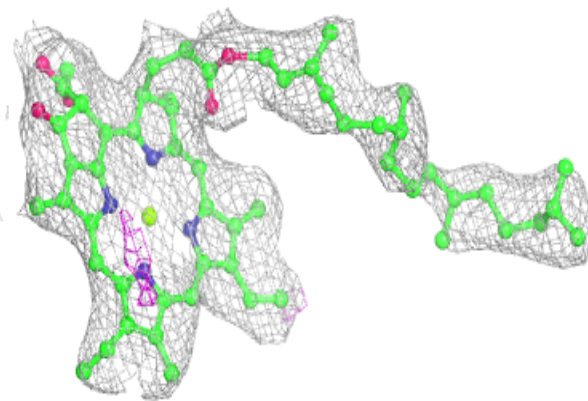
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



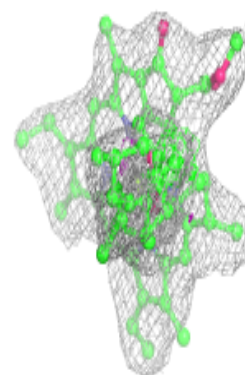
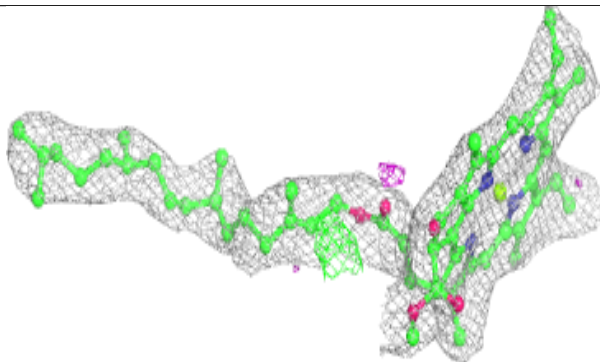
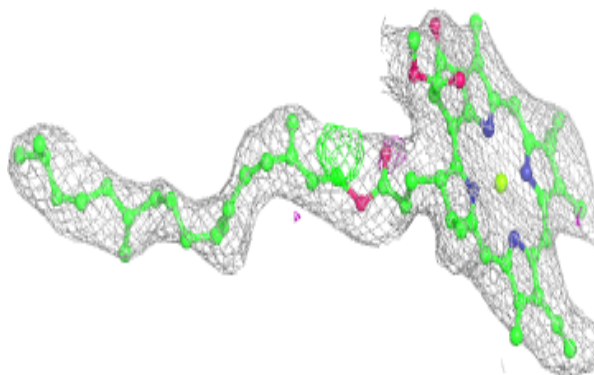


**Electron density around CLA Y 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

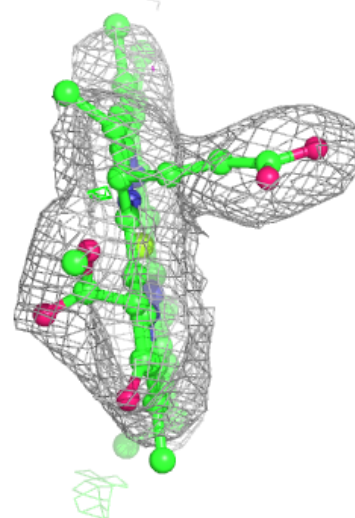
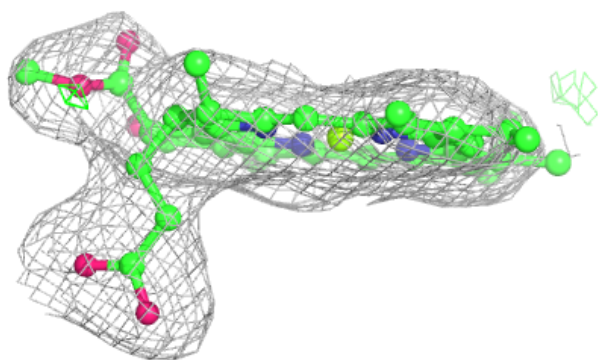
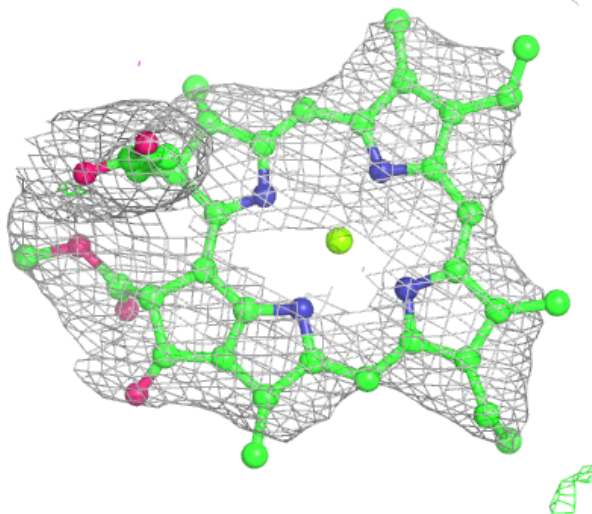
**Electron density around CLA Y 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



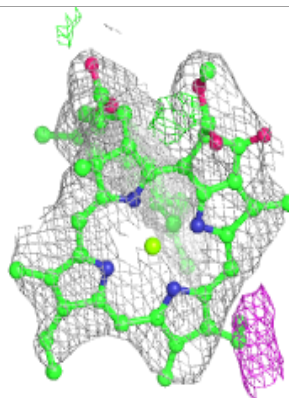
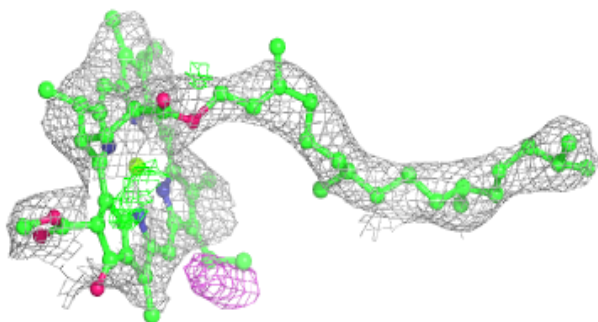
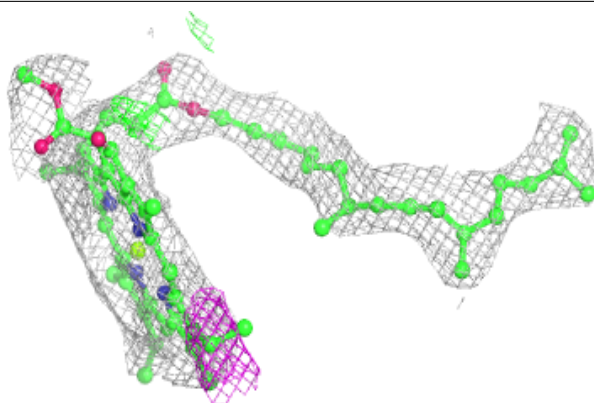
**Electron density around CLA Y 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

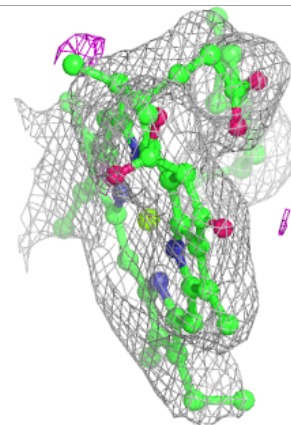
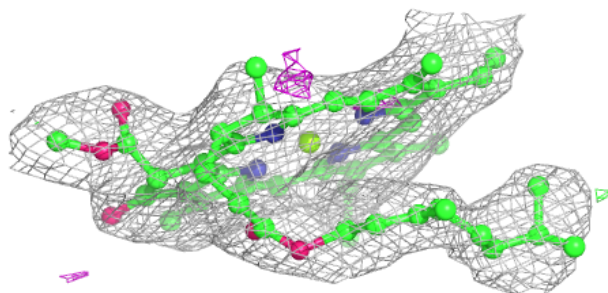
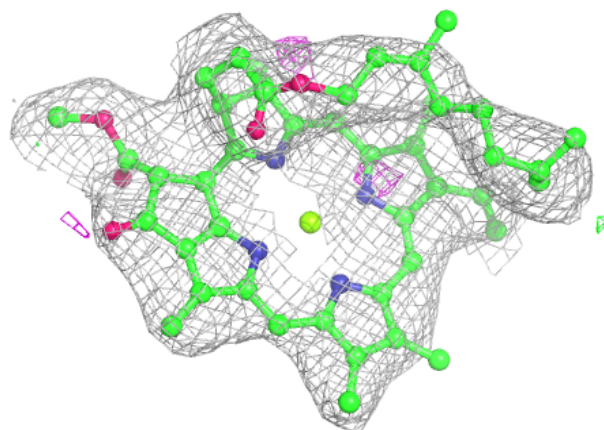


**Electron density around CLA Y 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Y 812:**

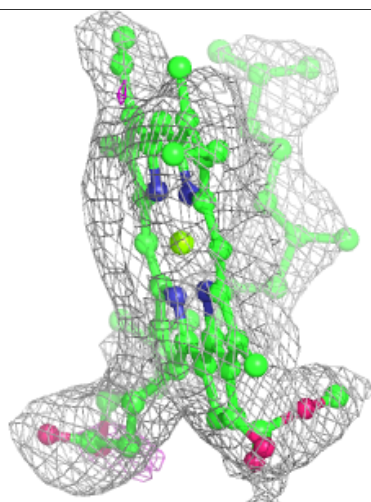
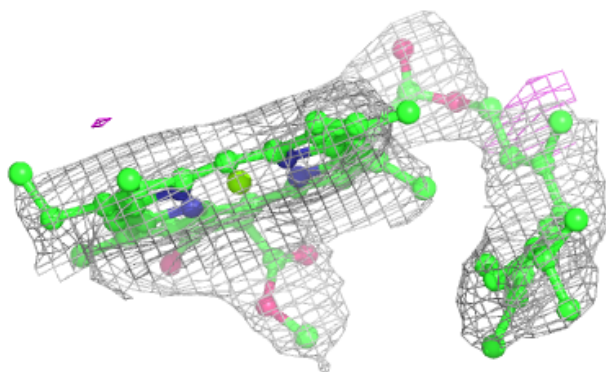
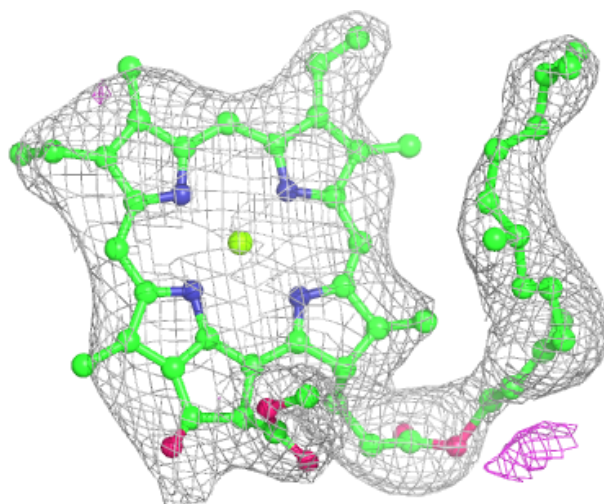
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





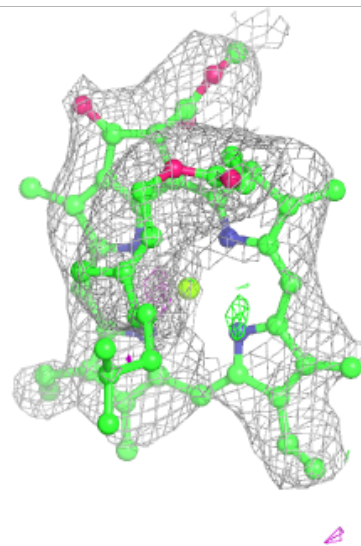
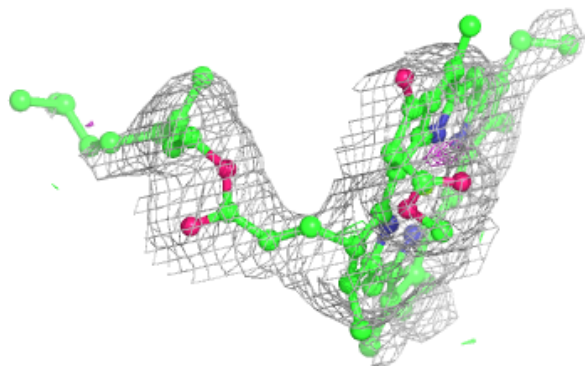
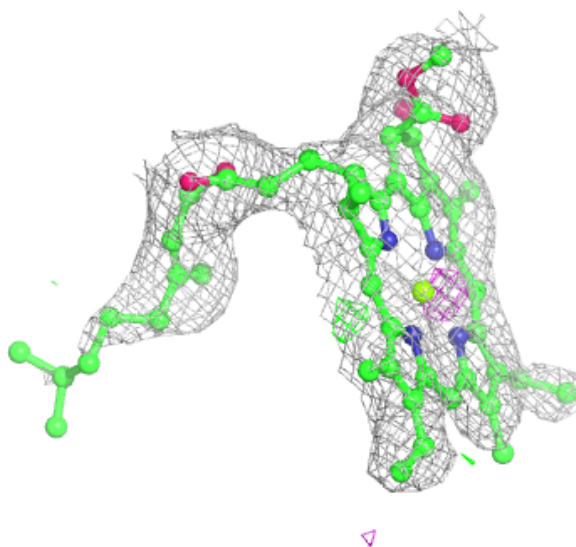
**Electron density around CLA Y 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



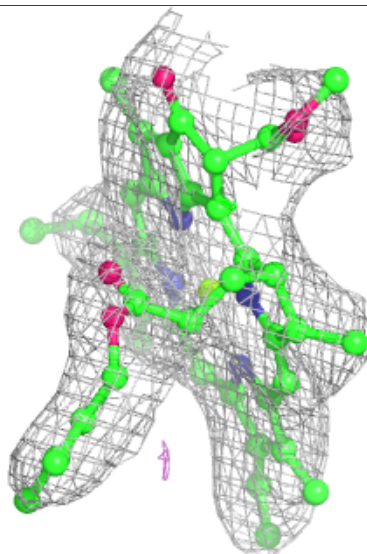
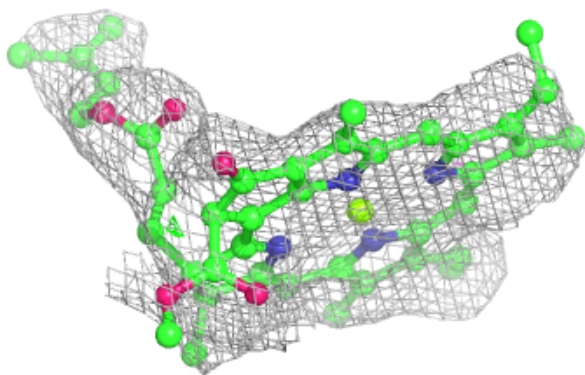
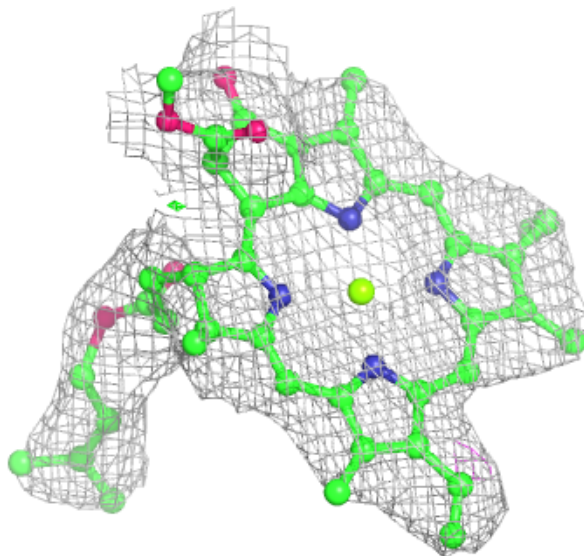
**Electron density around CLA Y 814:**

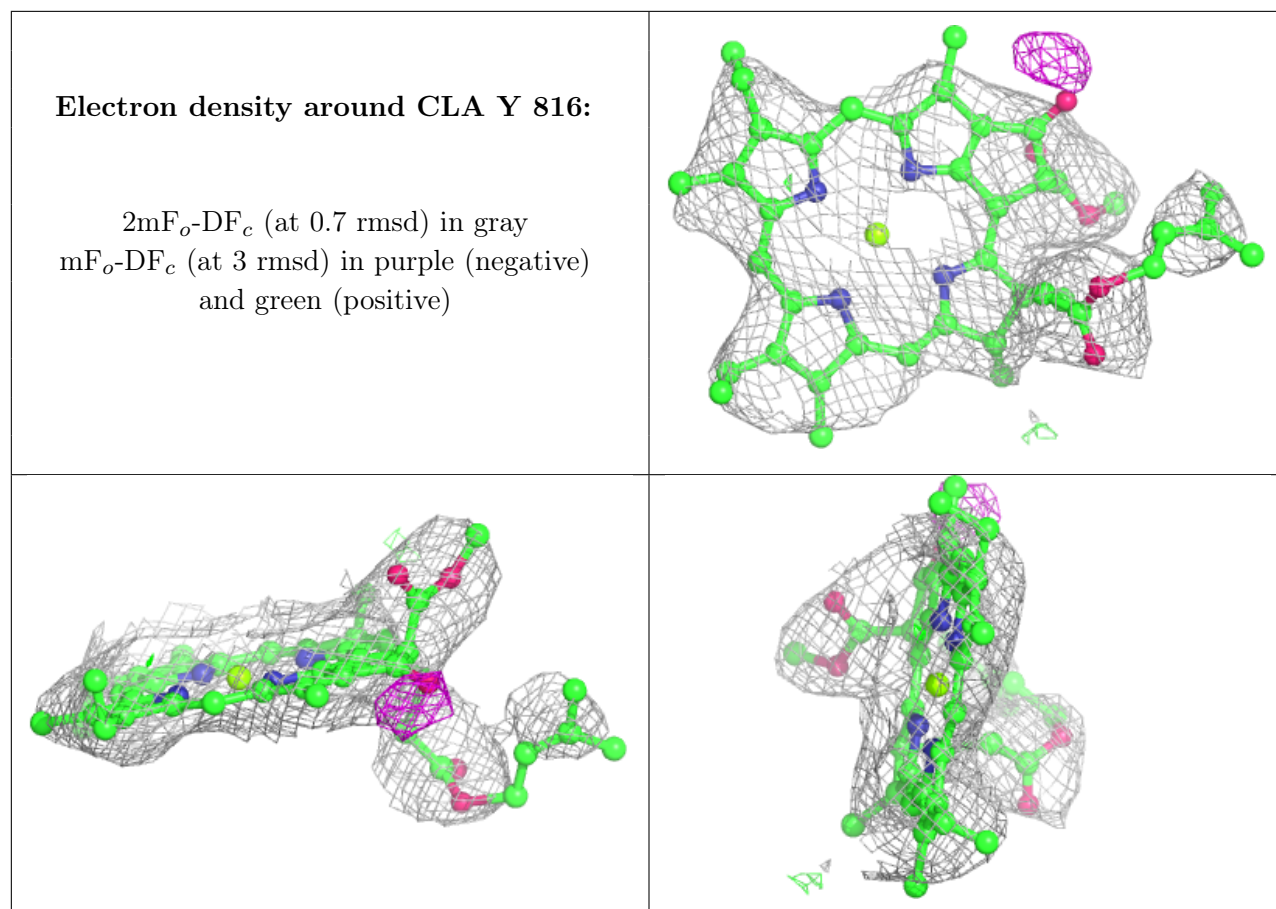
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Y 815:**

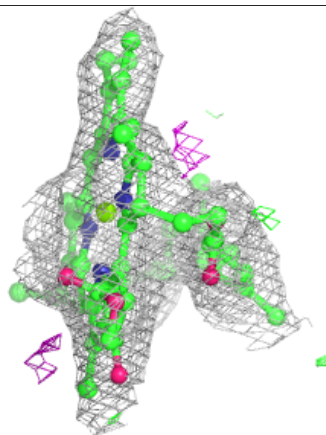
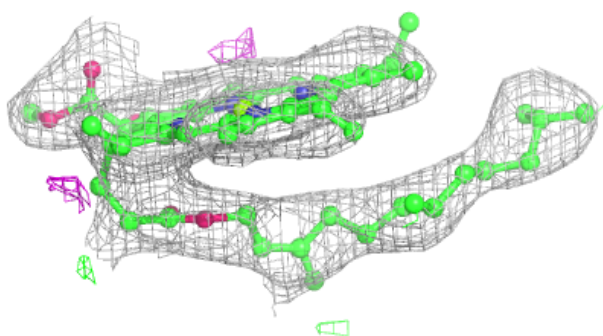
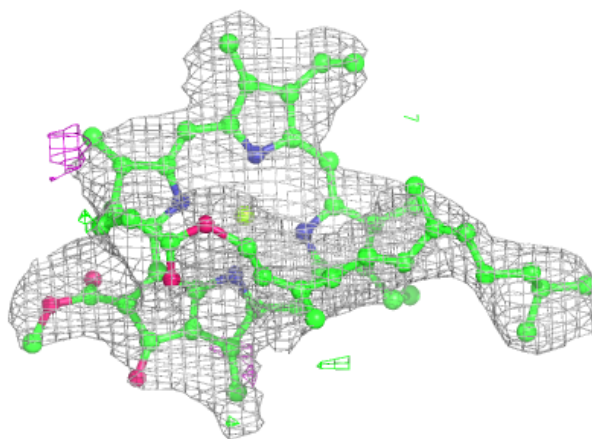
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



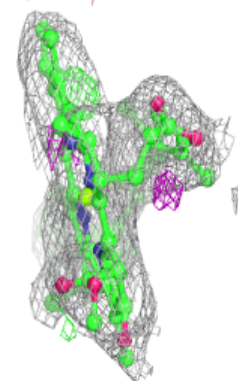
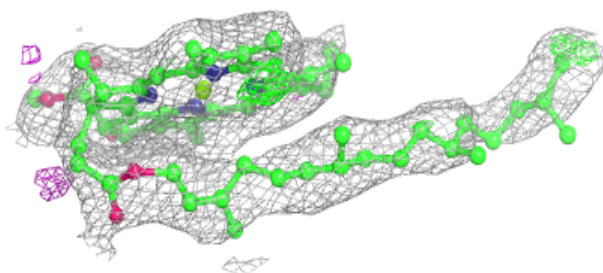
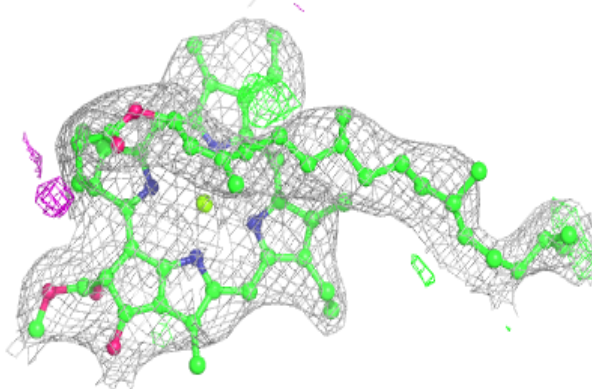


**Electron density around CLA Y 817:**

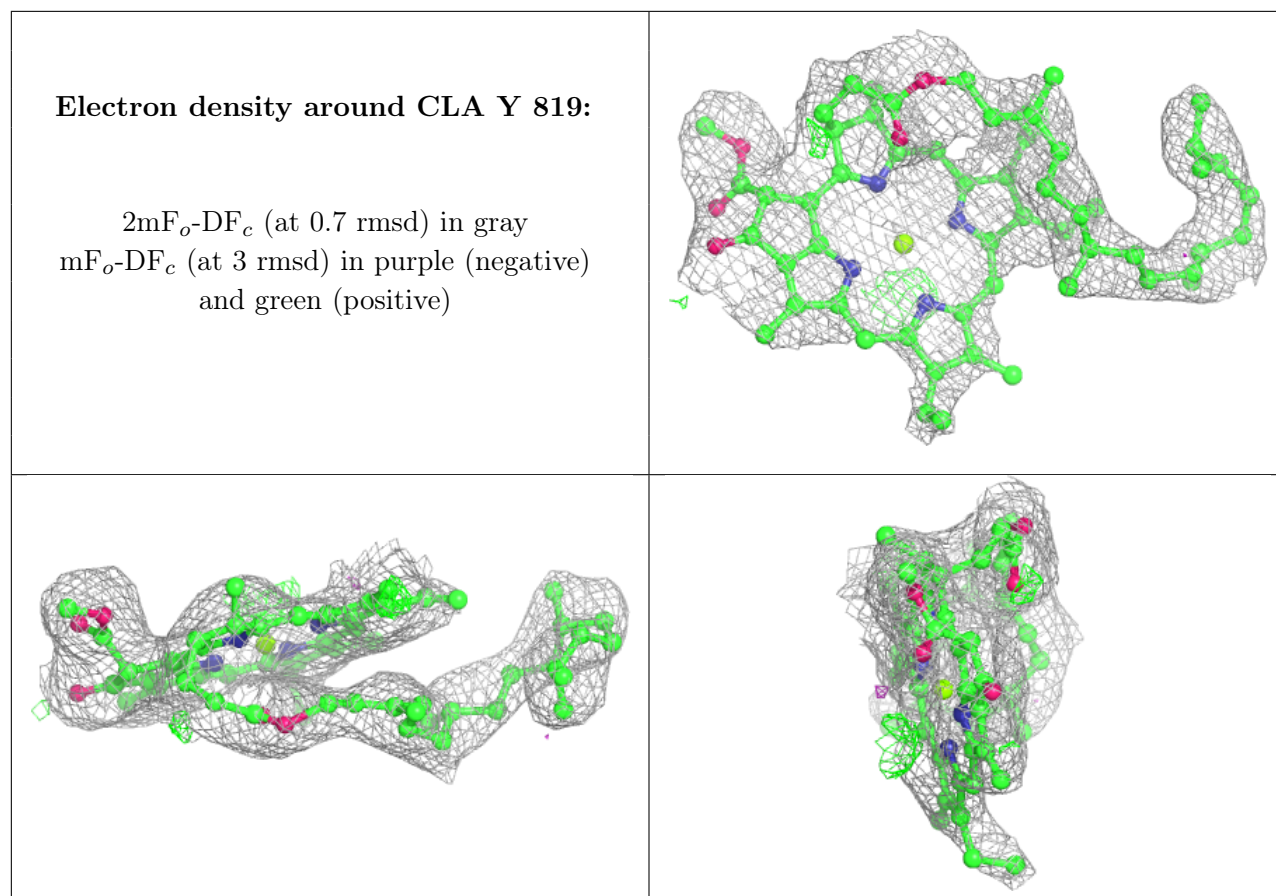
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Y 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

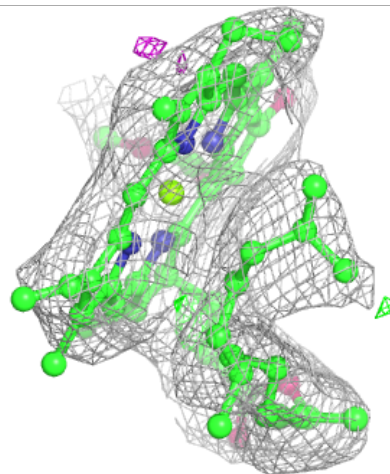
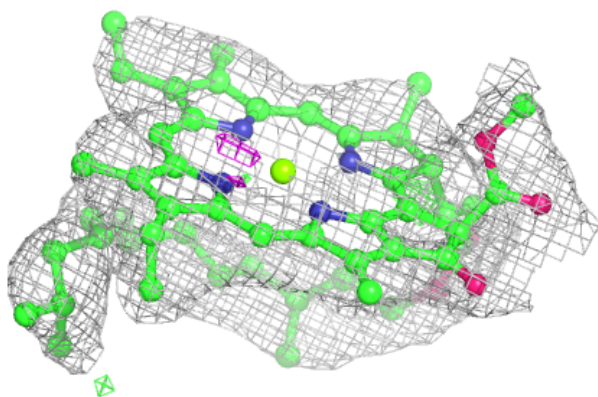
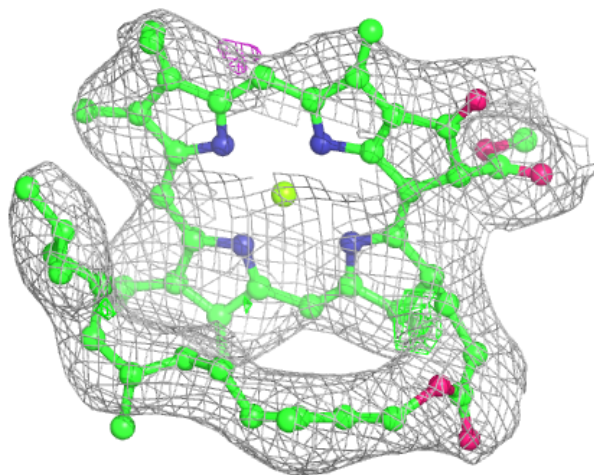




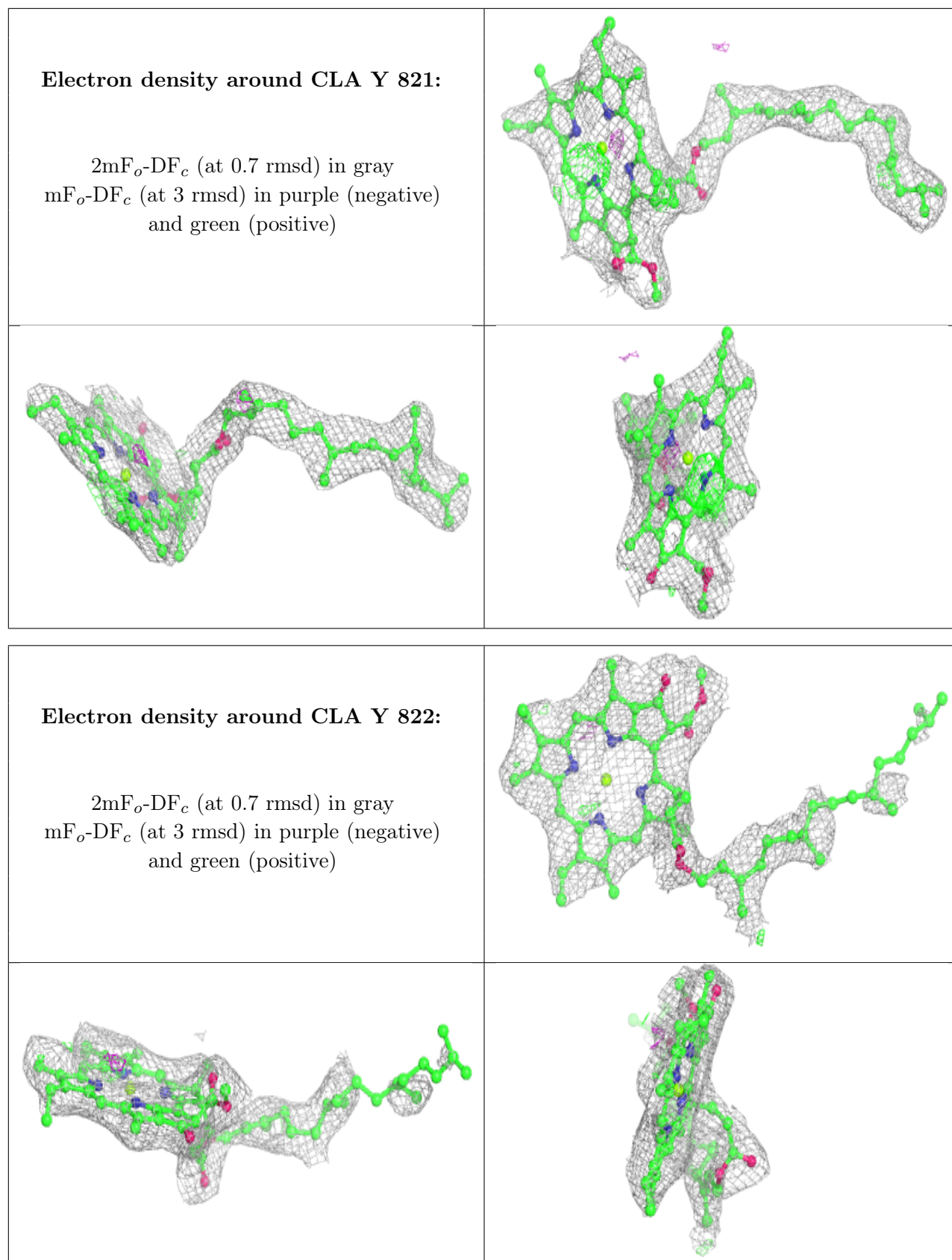


**Electron density around CLA Y 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

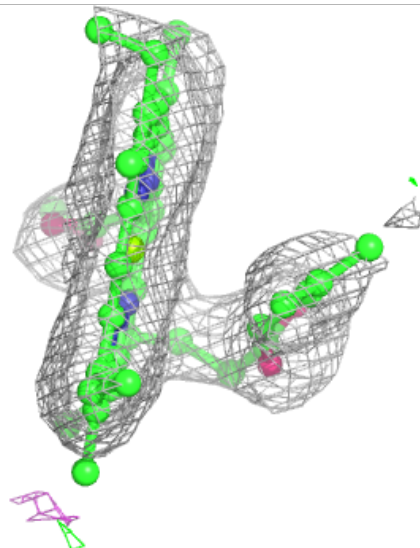
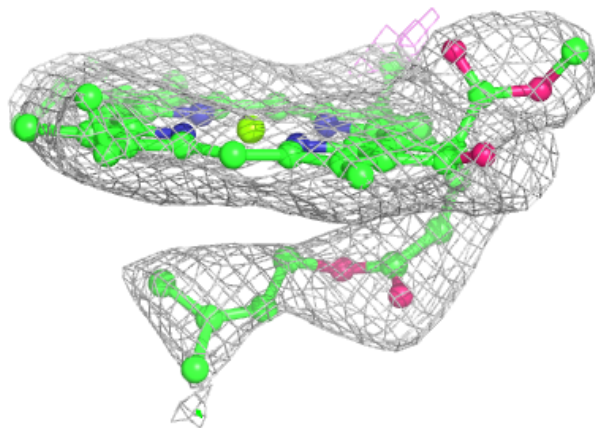
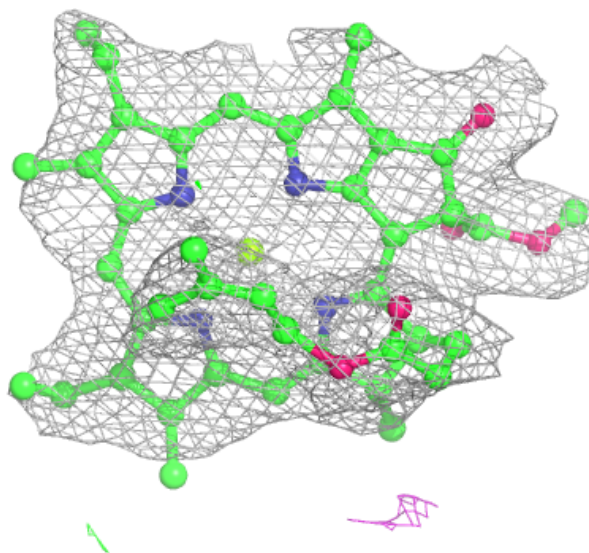


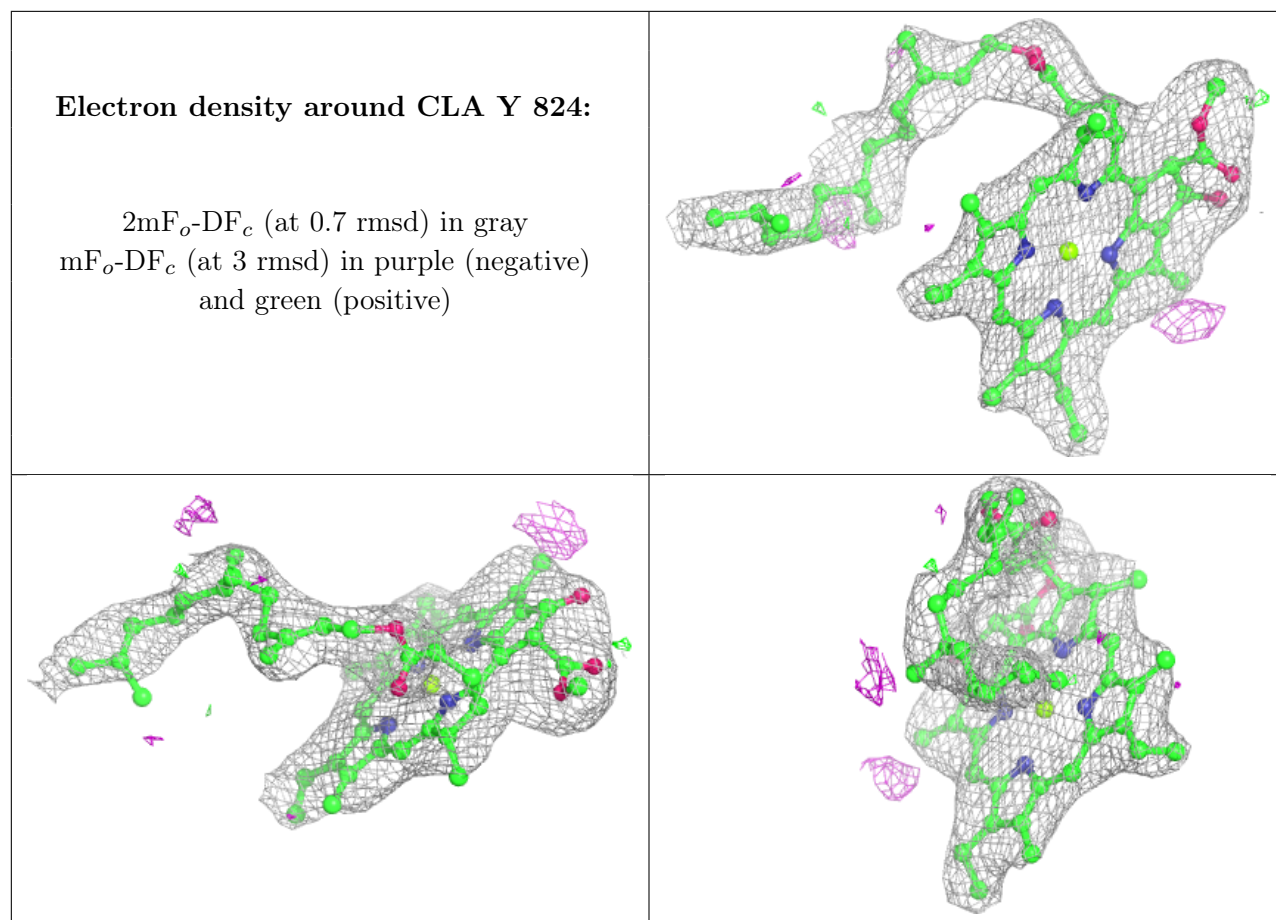




**Electron density around CLA Y 823:**

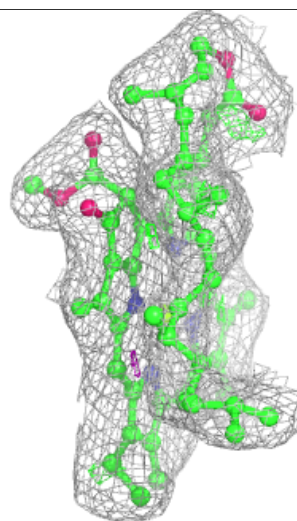
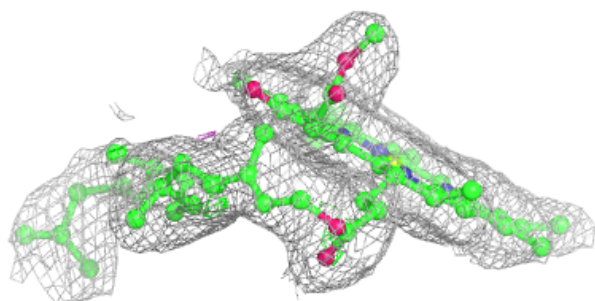
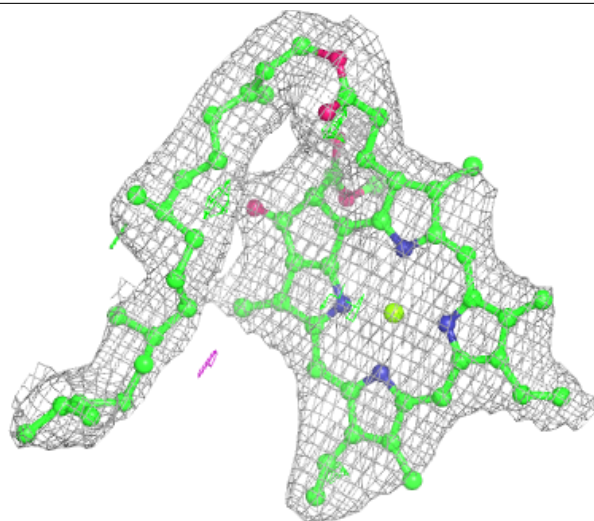
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





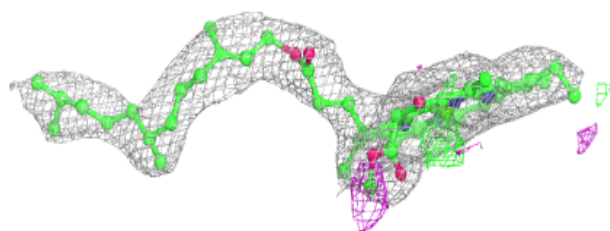
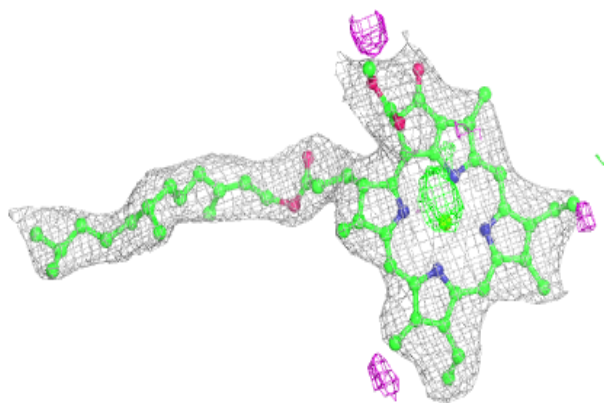
**Electron density around CLA Y 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

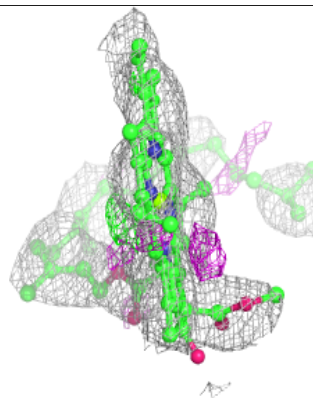
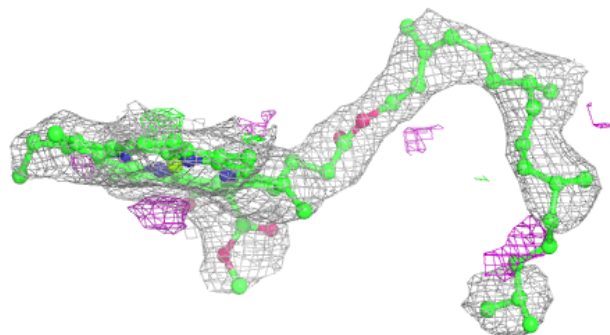
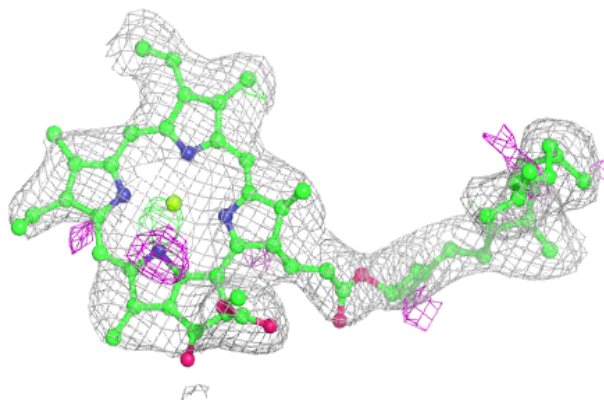


**Electron density around CLA Y 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Y 827:**

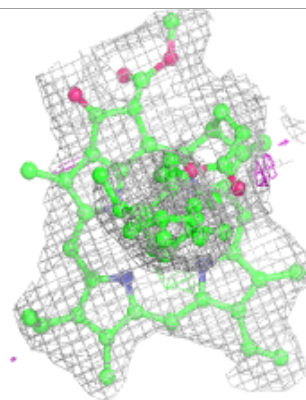
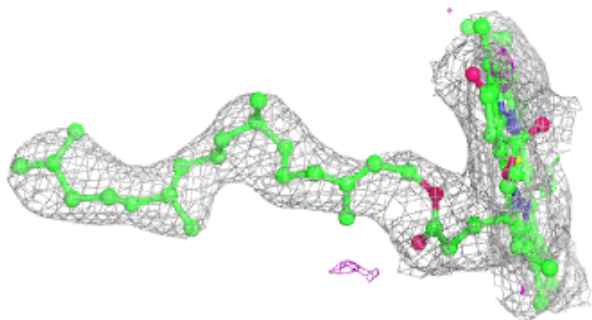
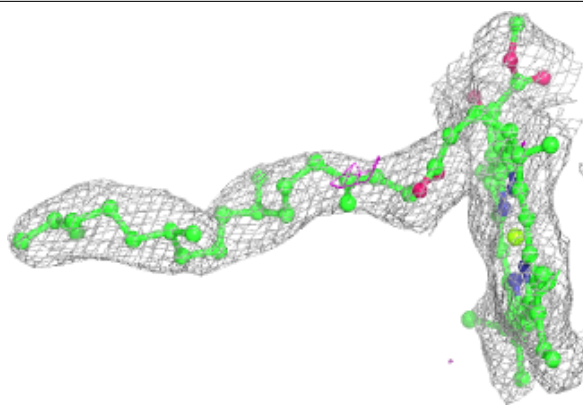
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



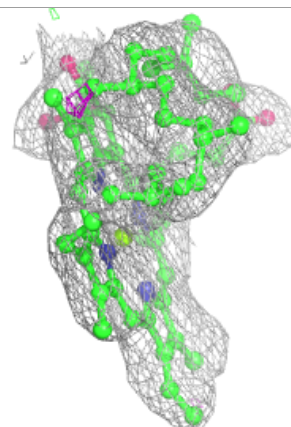
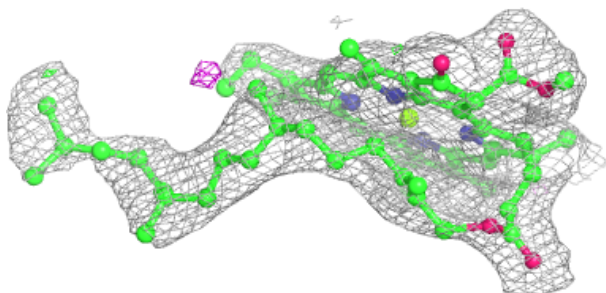
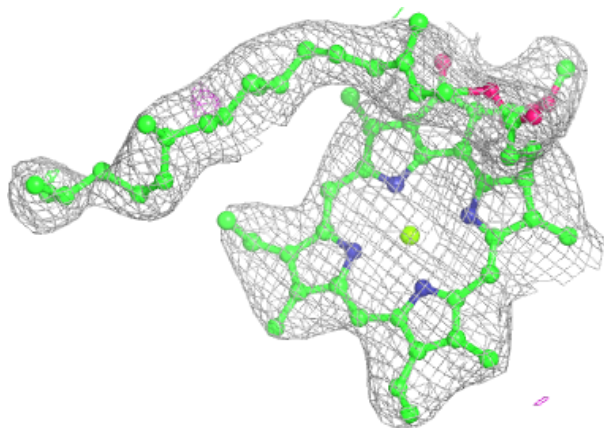


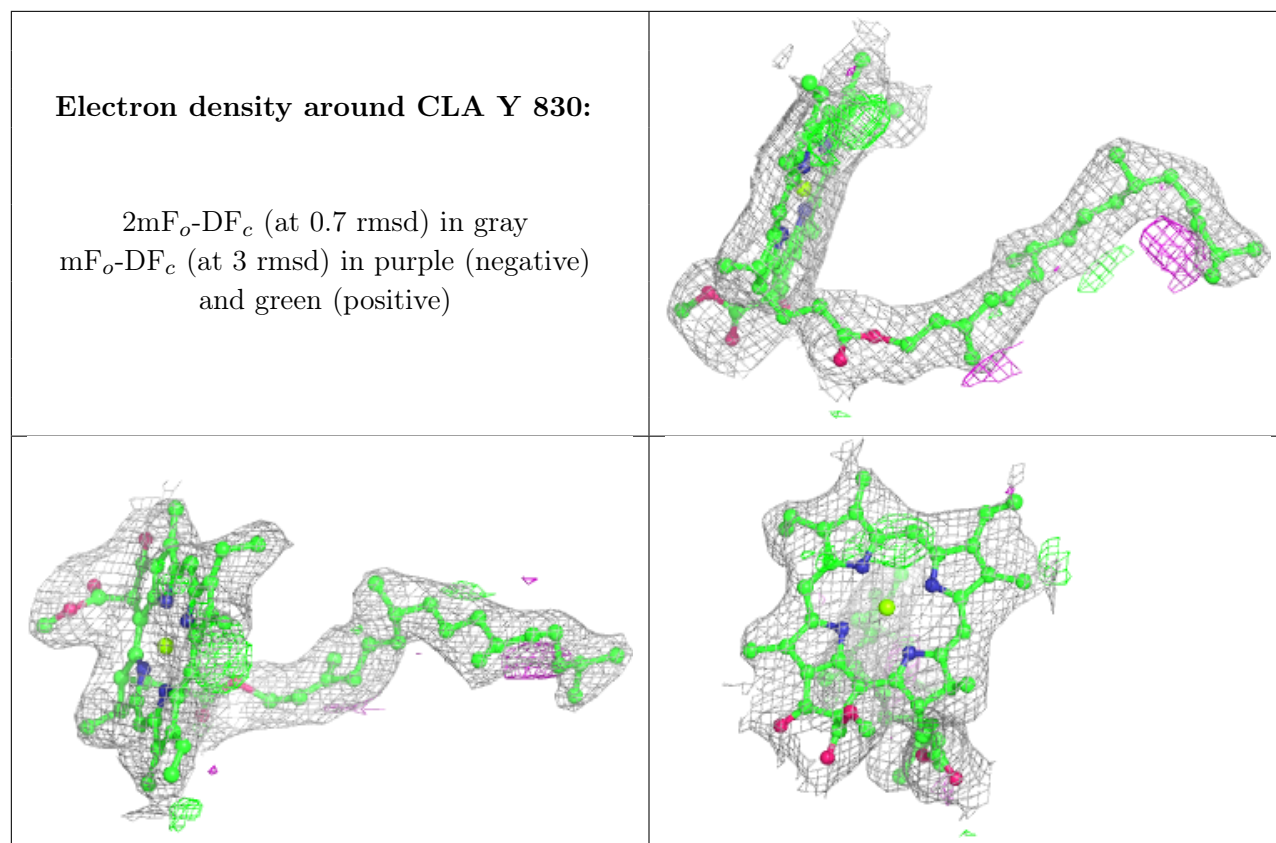
**Electron density around CLA Y 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Y 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

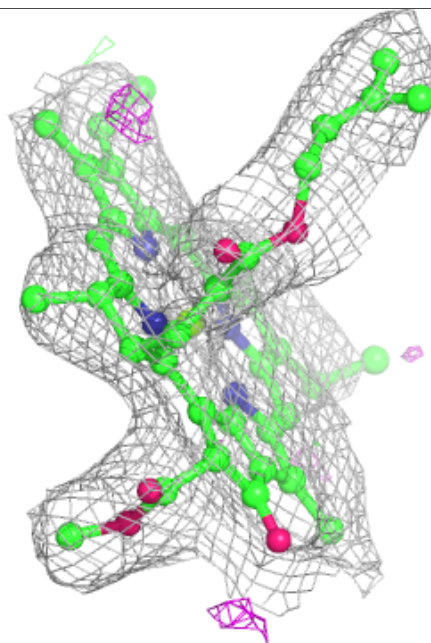
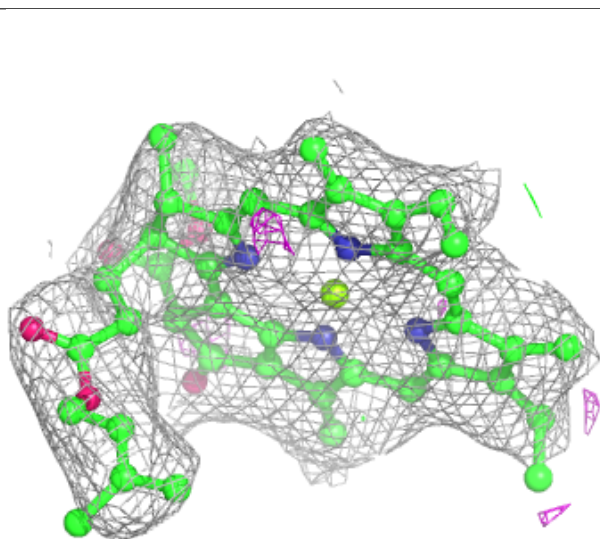
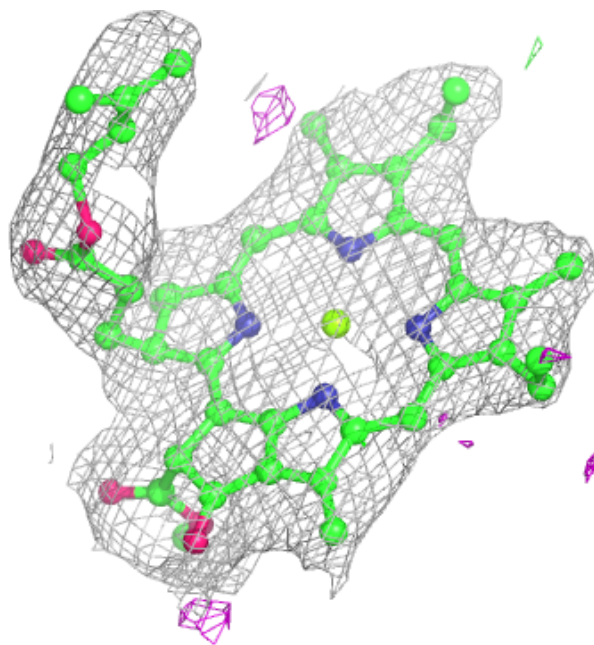


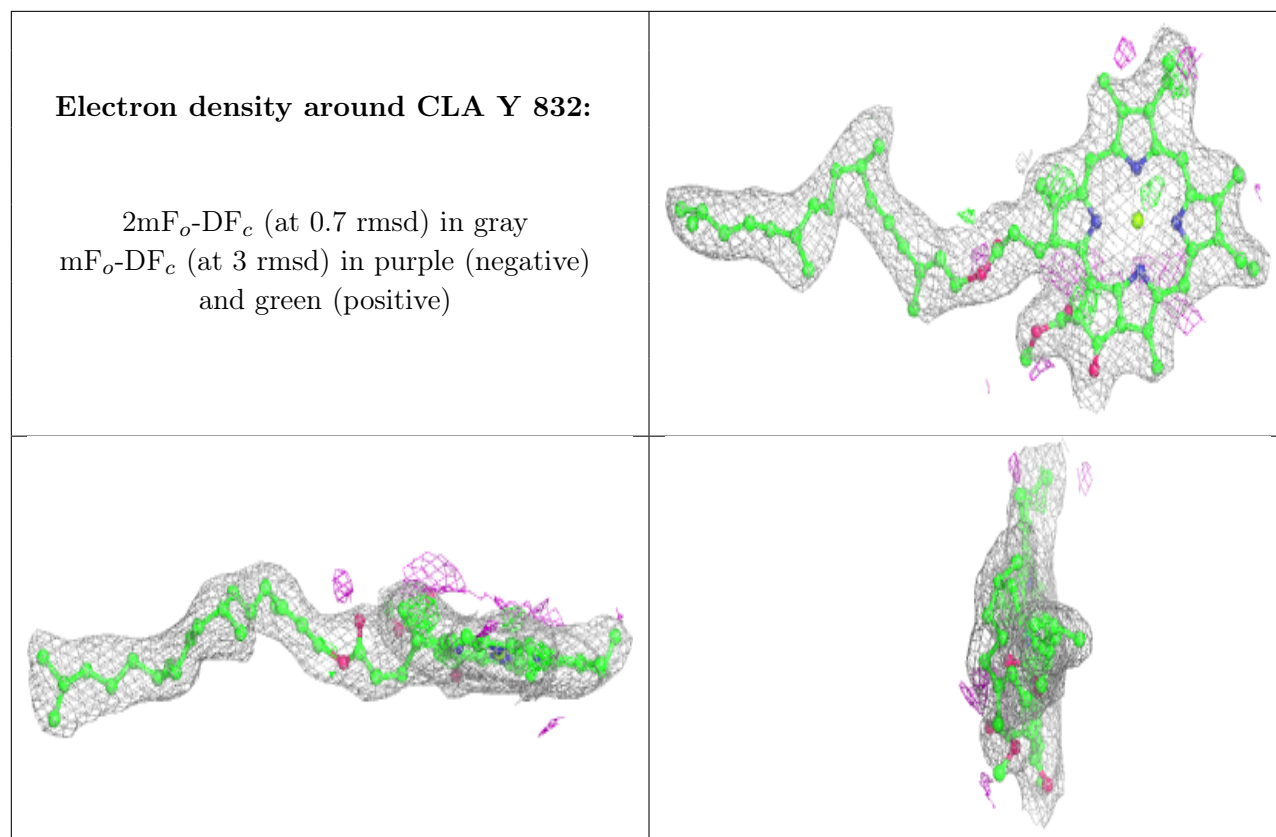




**Electron density around CLA Y 831:**

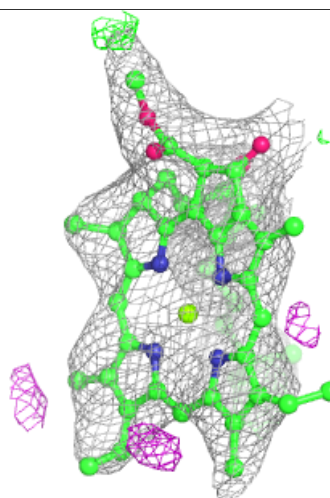
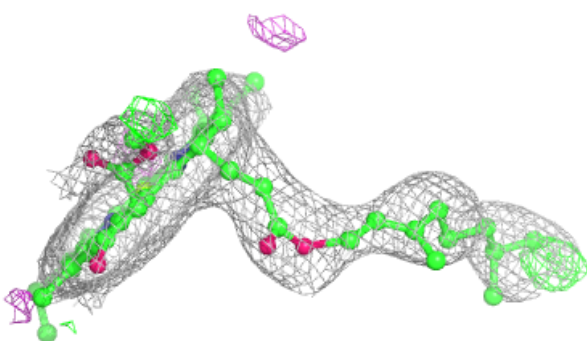
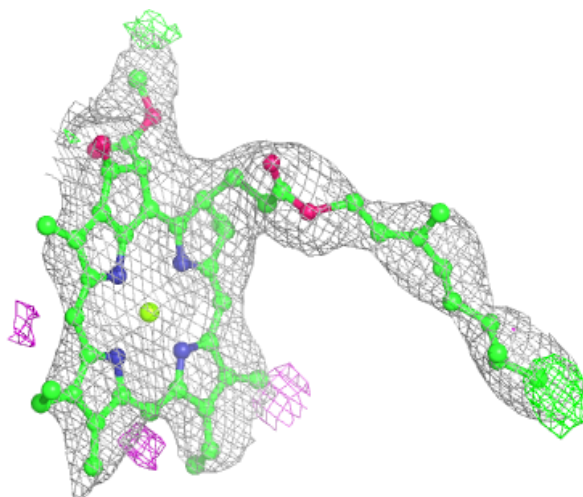
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





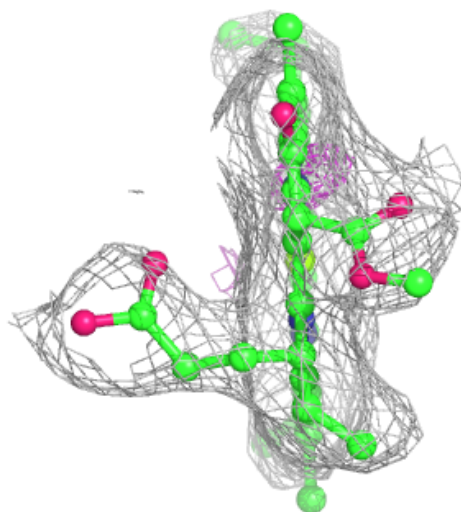
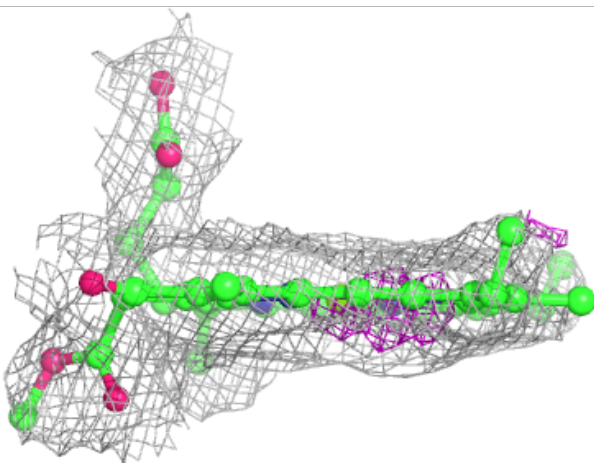
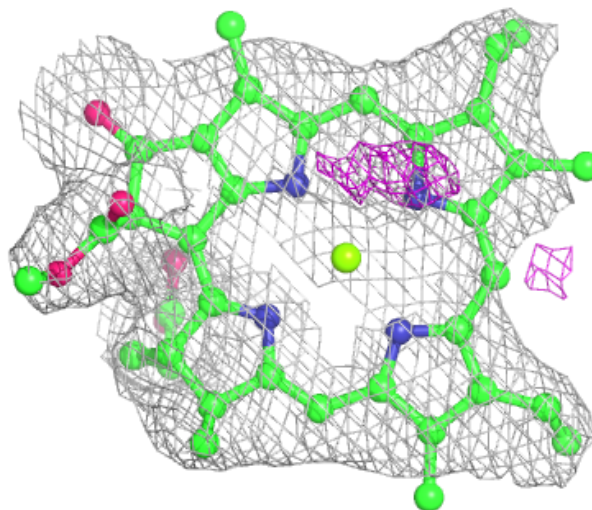
**Electron density around CLA Y 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



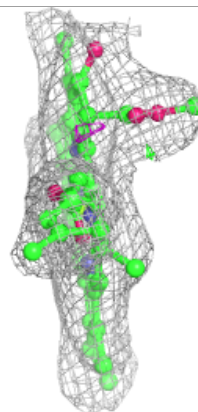
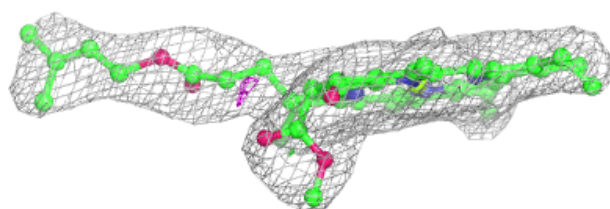
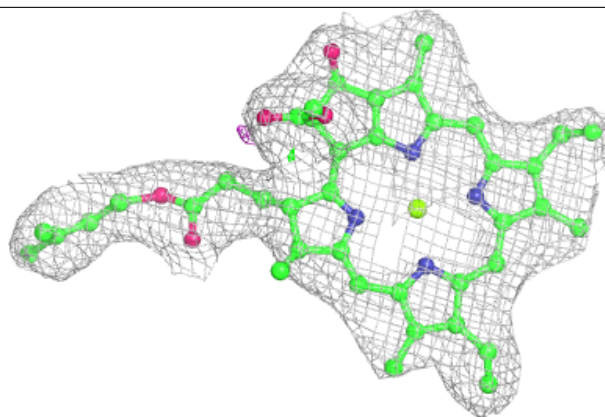
**Electron density around CLA Y 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

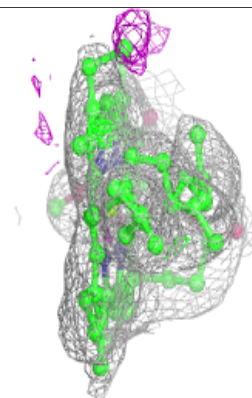
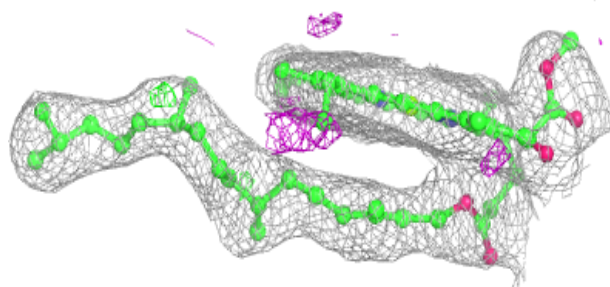
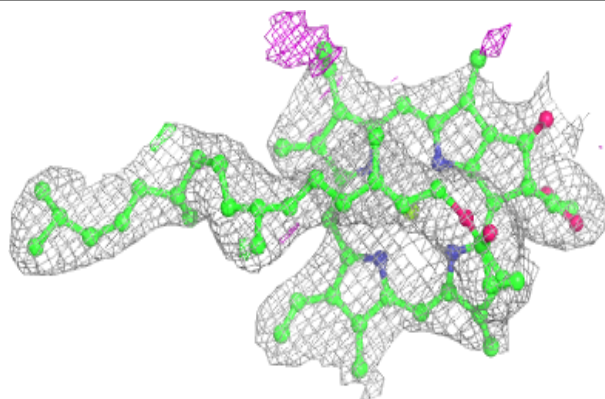


**Electron density around CLA Y 835:**

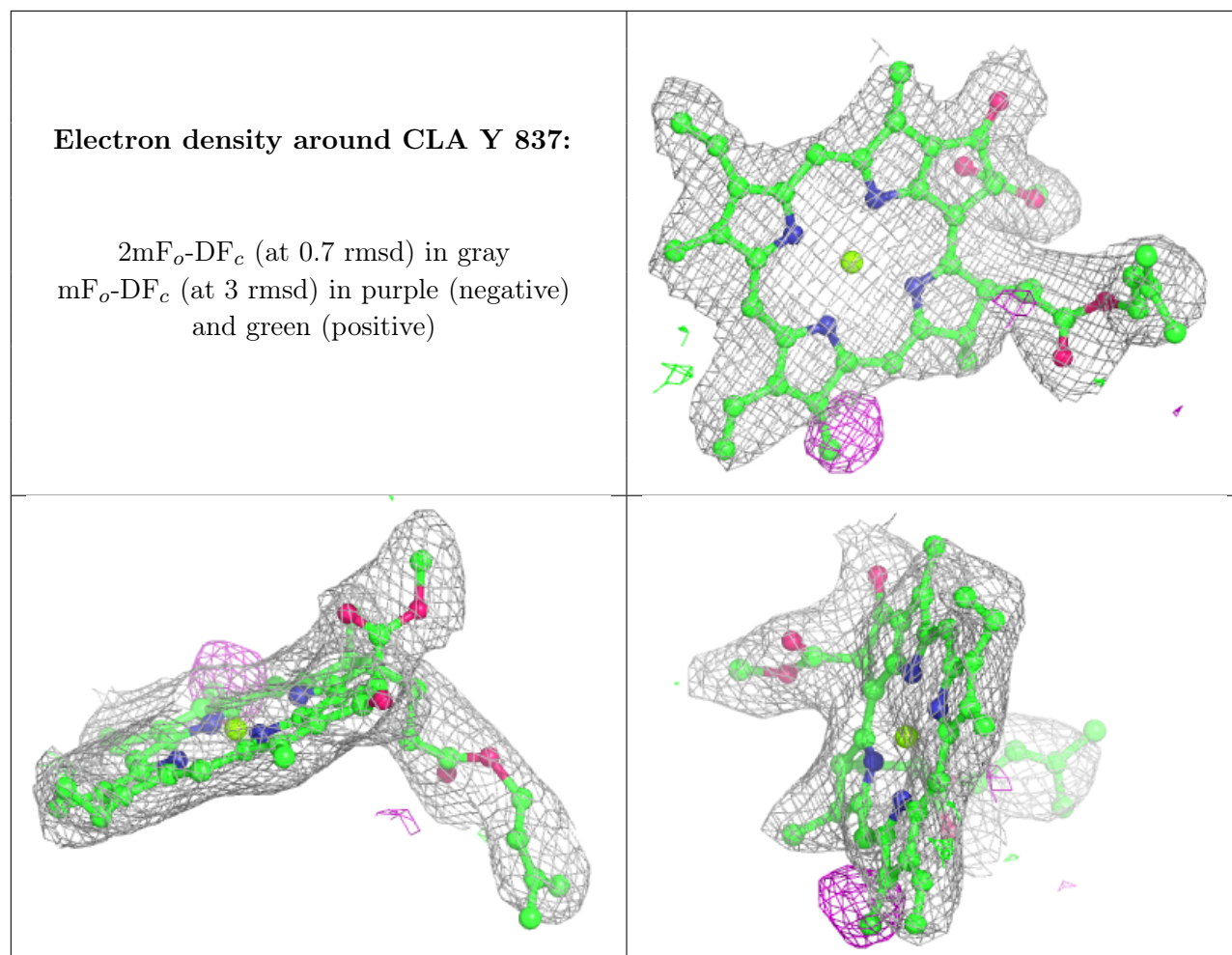
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Y 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

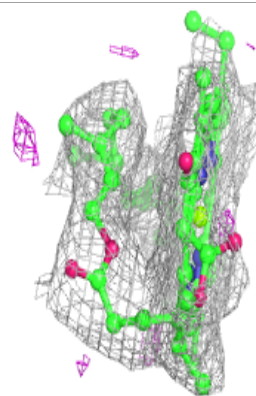
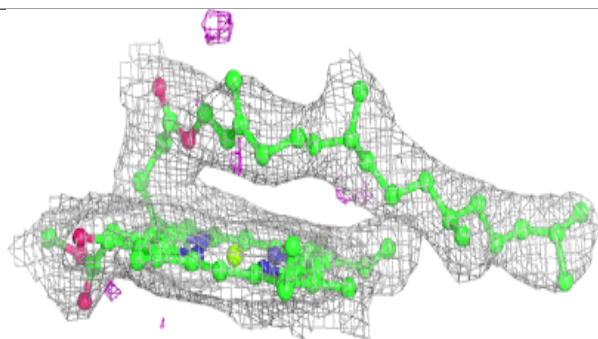
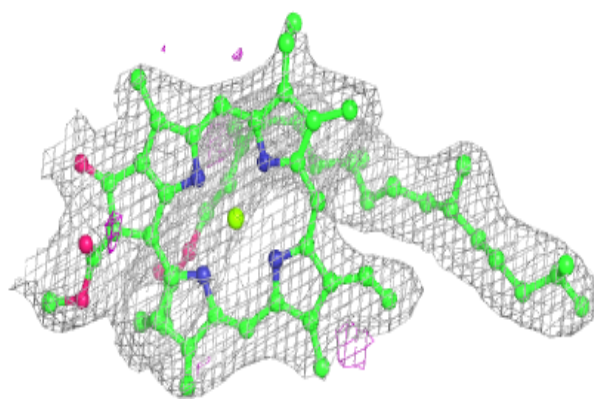




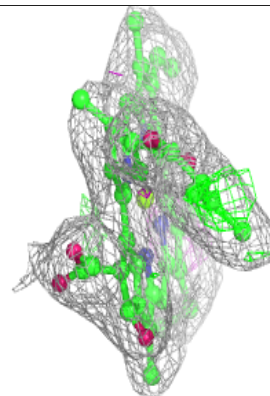
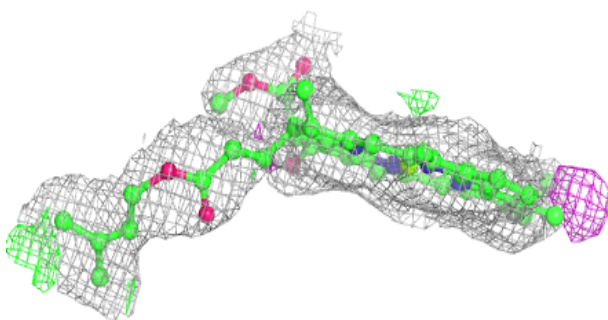
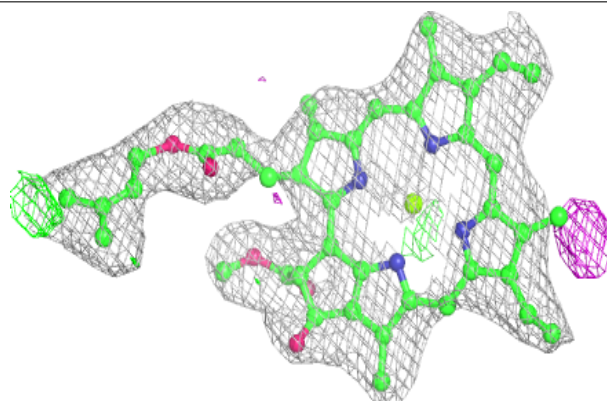


**Electron density around CLA Y 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Y 839:**

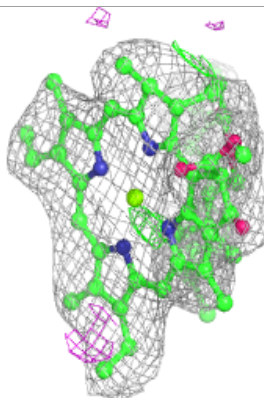
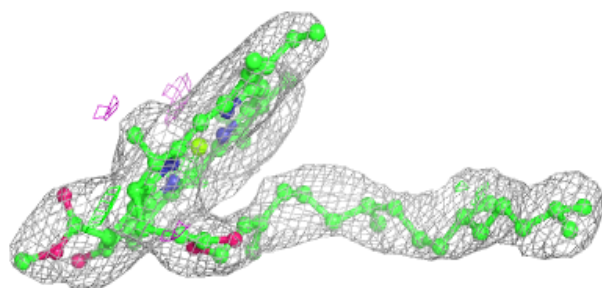
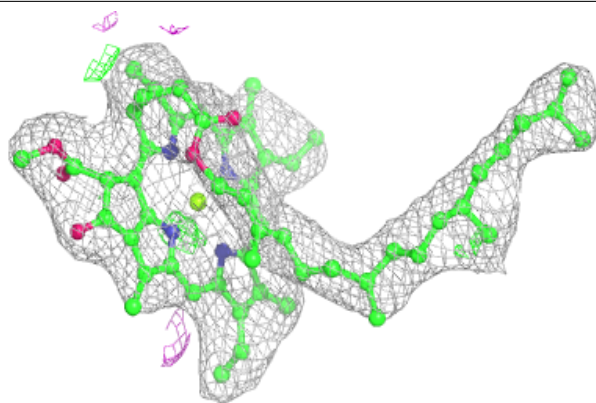
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



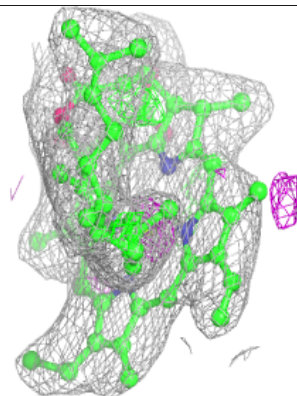
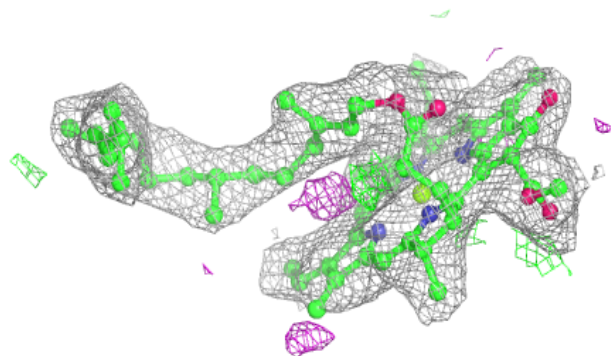
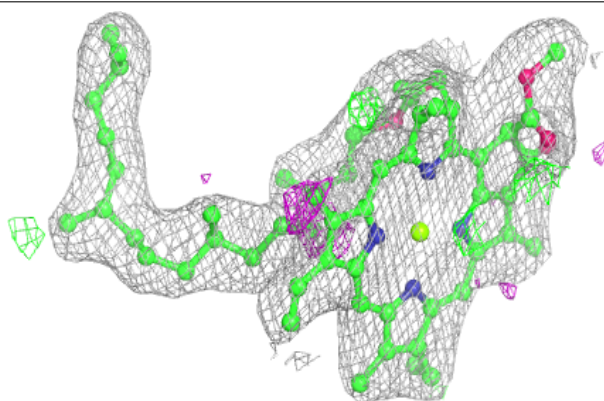


**Electron density around CLA Y 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

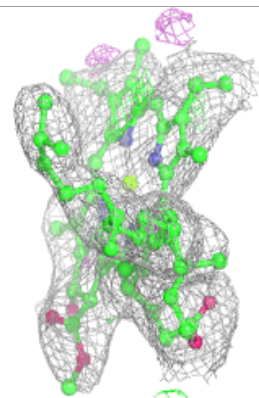
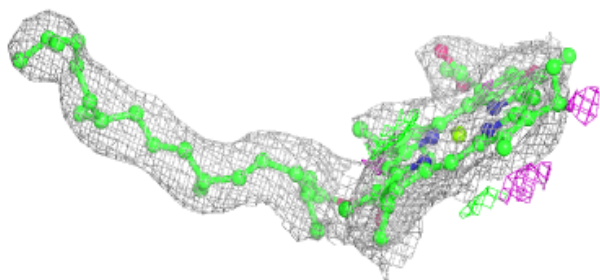
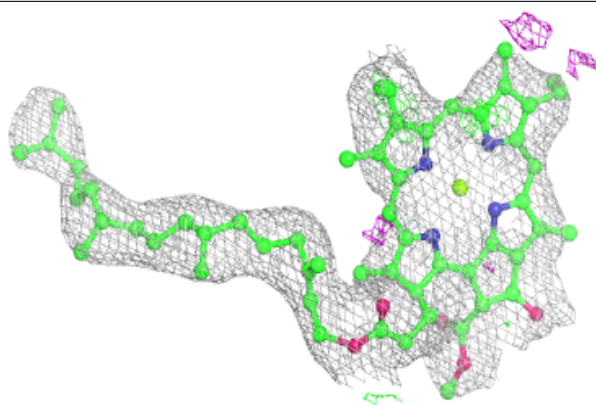
**Electron density around CLA Y 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

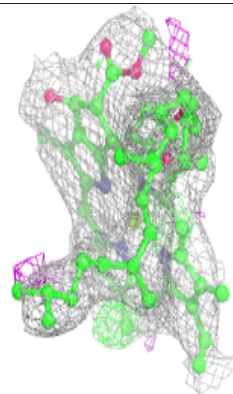
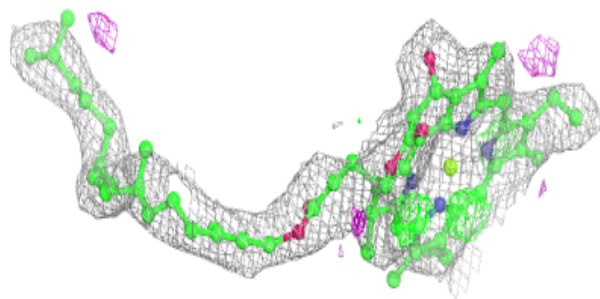
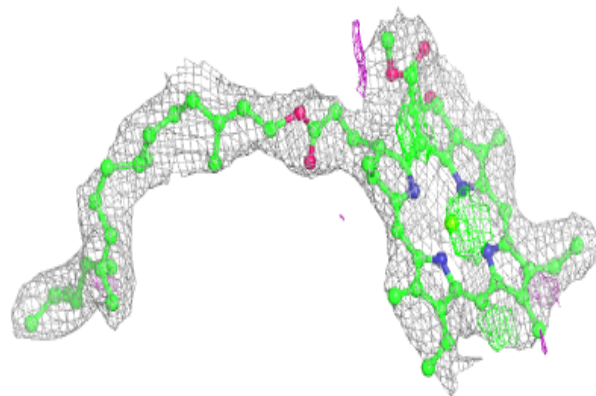


**Electron density around CLA Z 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

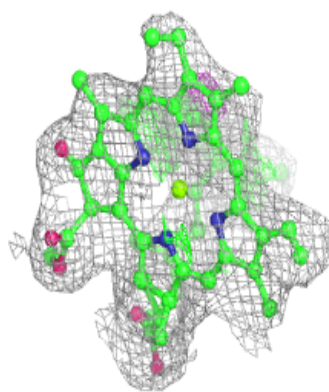
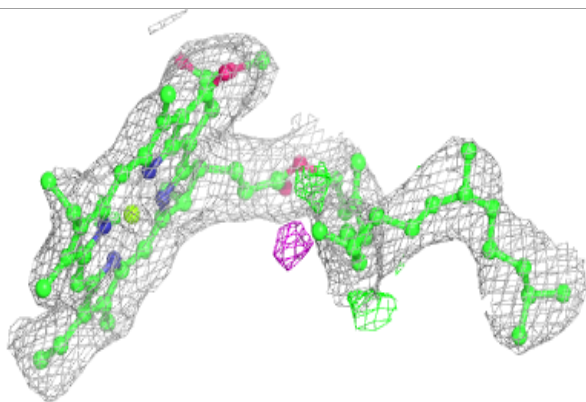
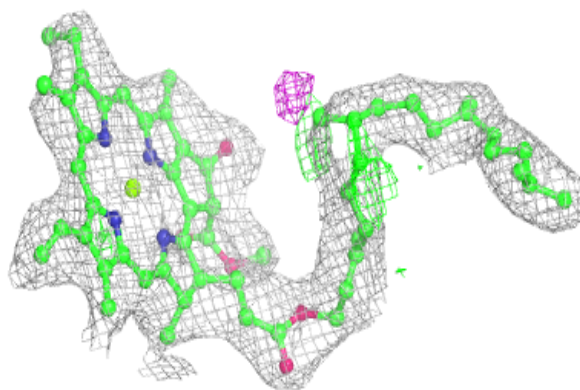
**Electron density around CLA Z 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

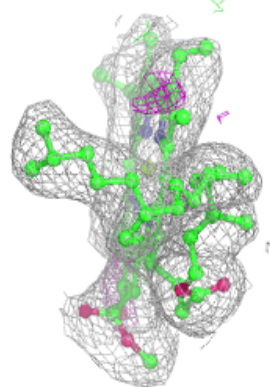
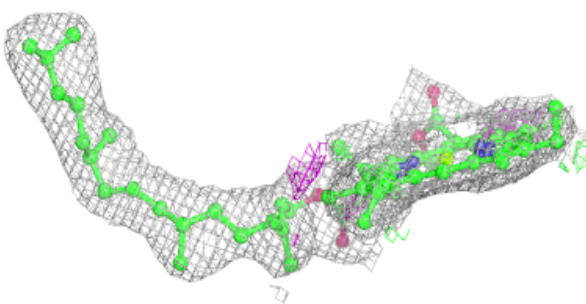
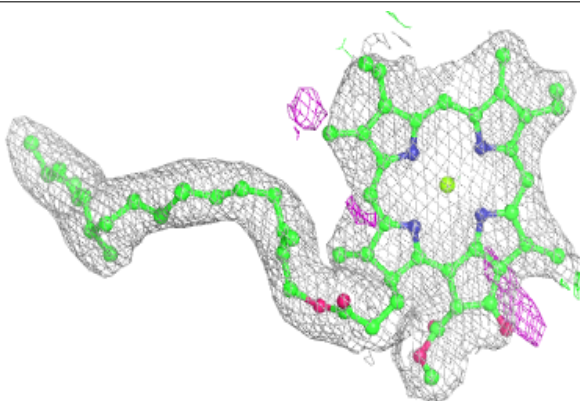


**Electron density around CLA Z 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

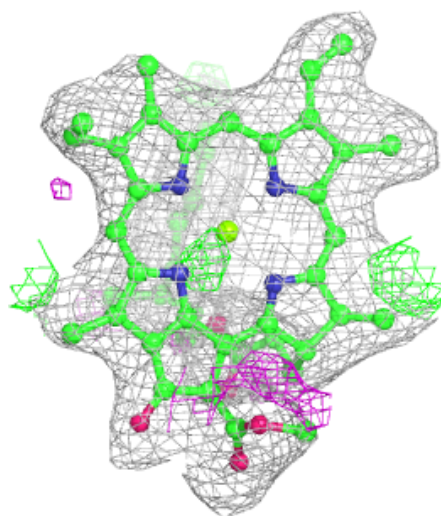
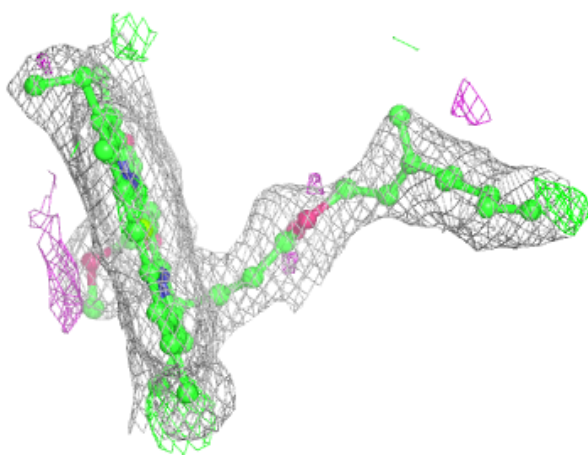
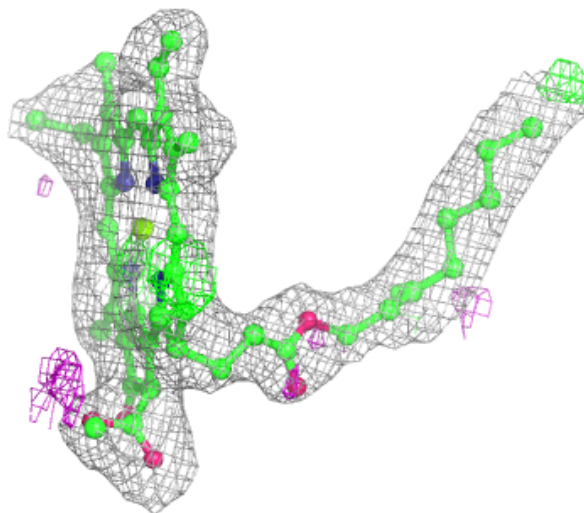
**Electron density around CLA Z 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 805:**

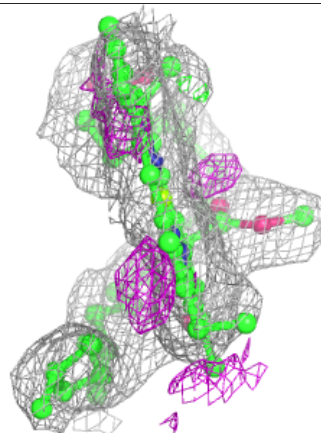
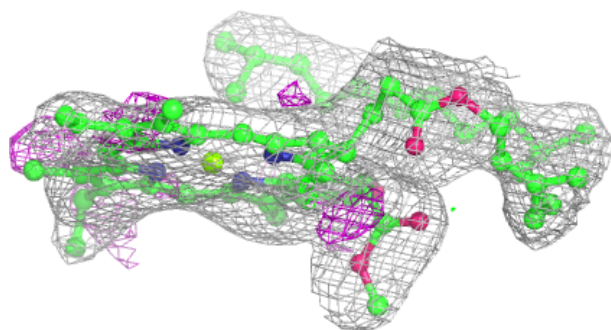
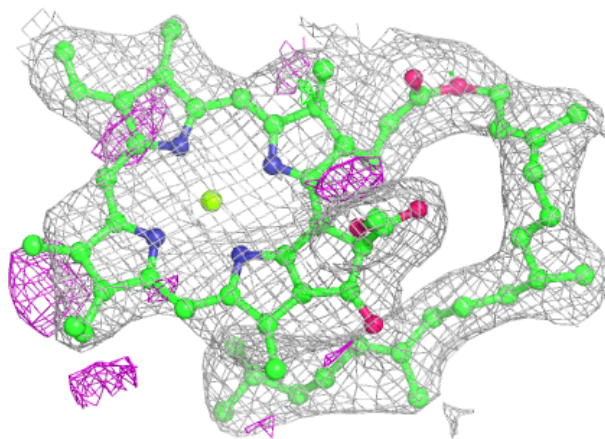
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





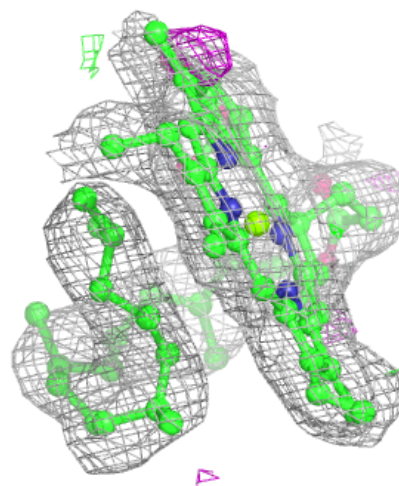
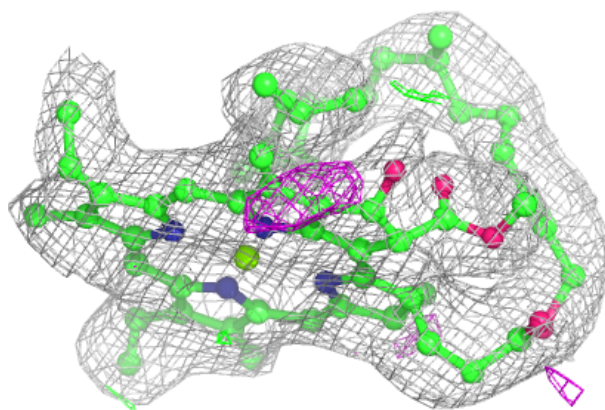
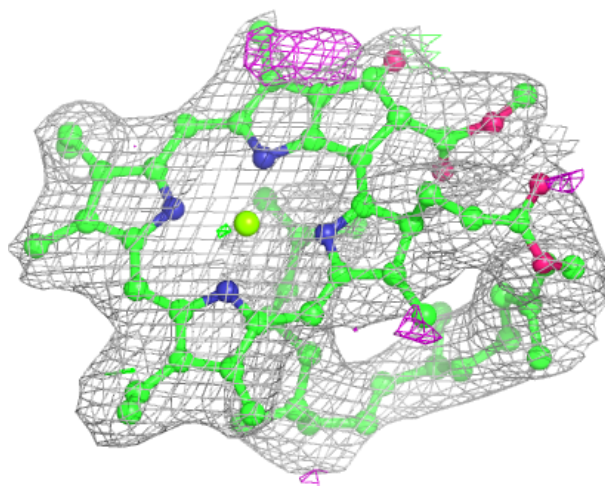
**Electron density around CLA Z 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



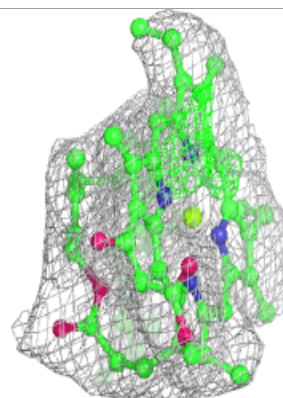
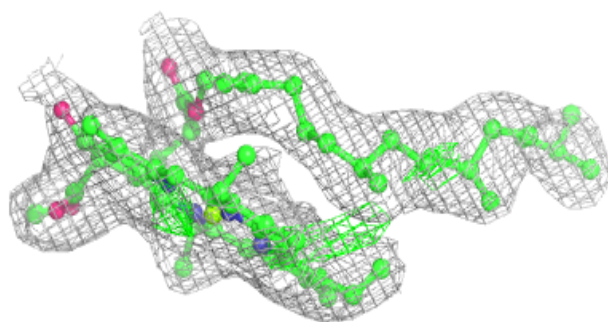
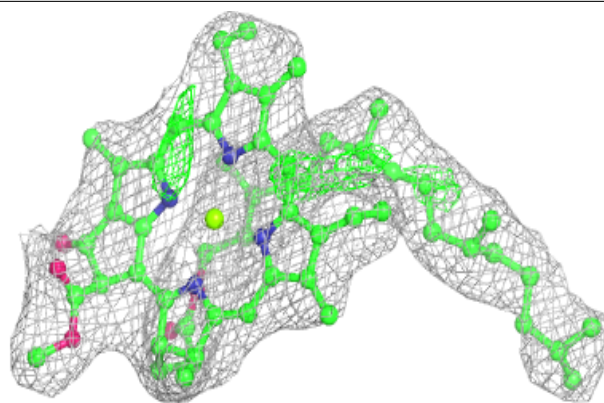
**Electron density around CLA Z 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 808:**

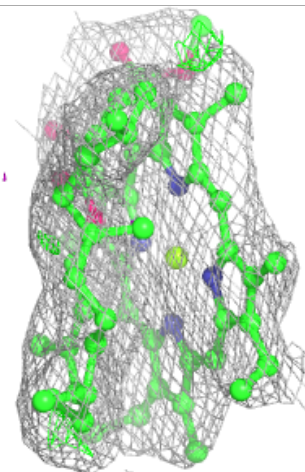
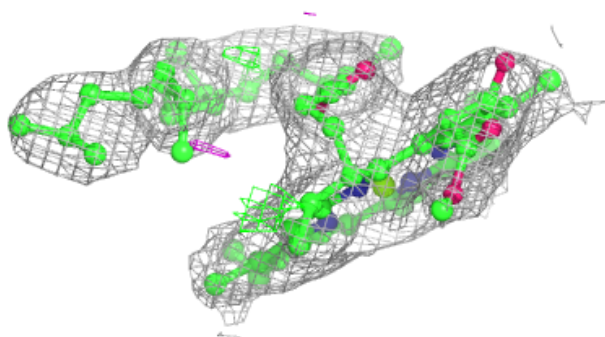
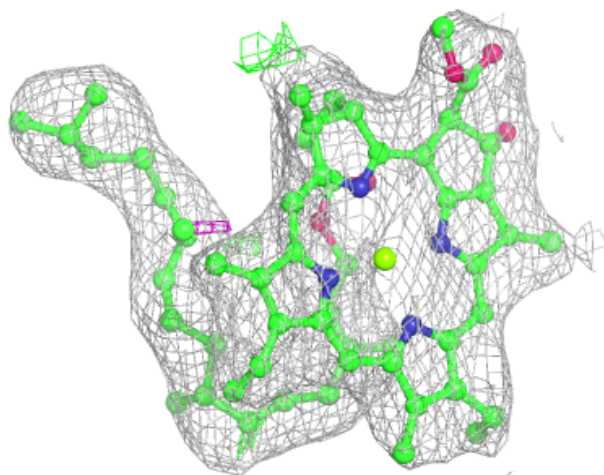
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





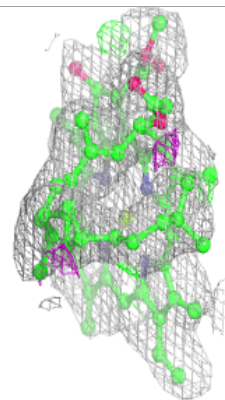
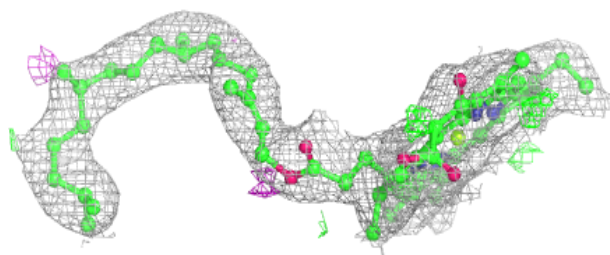
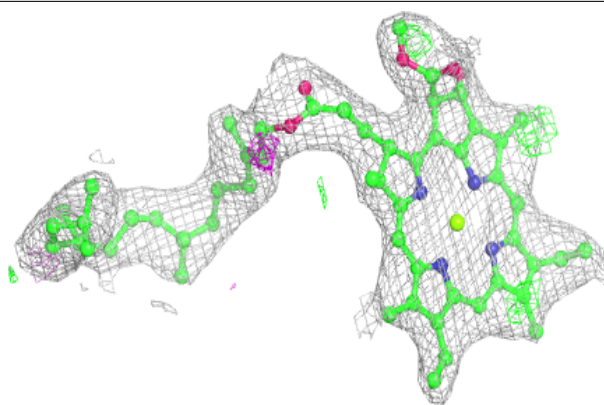
**Electron density around CLA Z 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

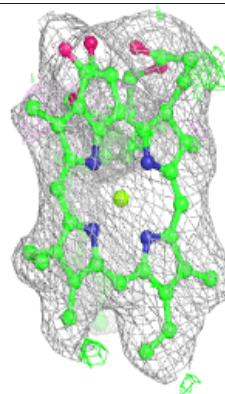
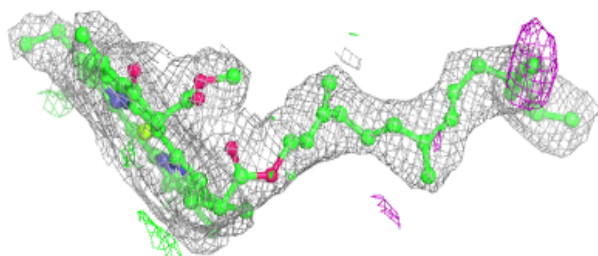
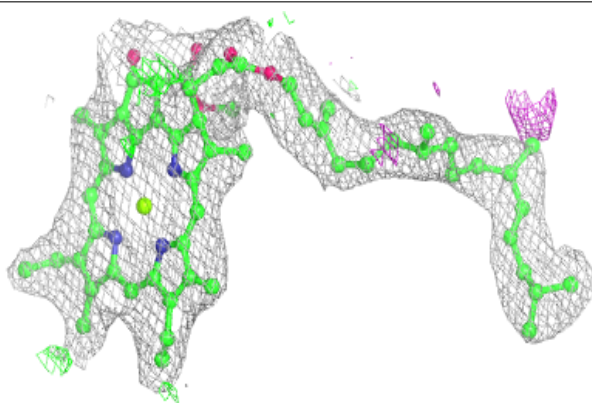


**Electron density around CLA Z 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

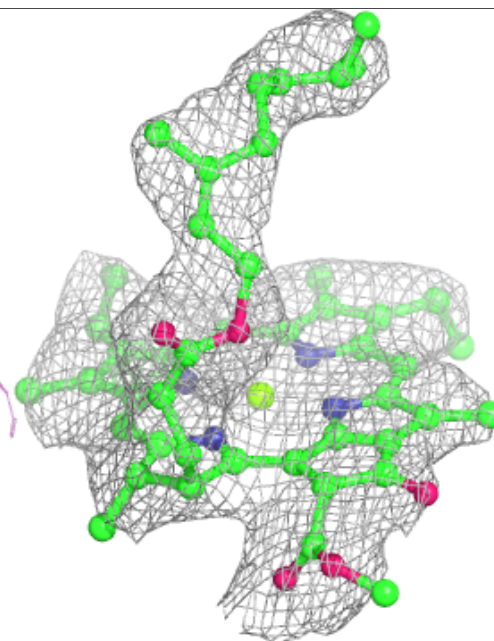
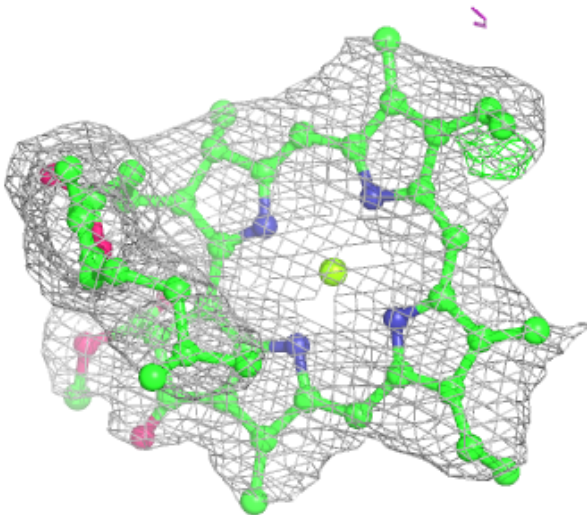
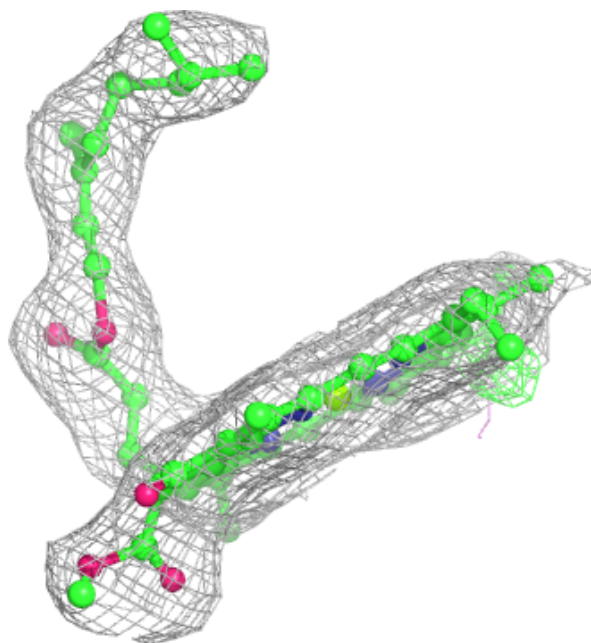
**Electron density around CLA Z 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



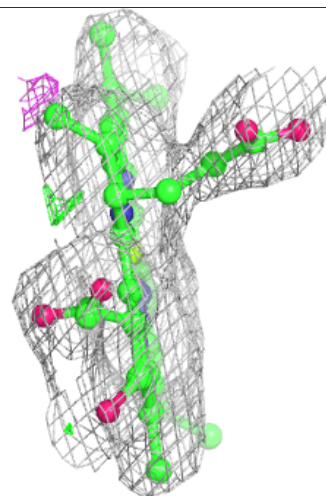
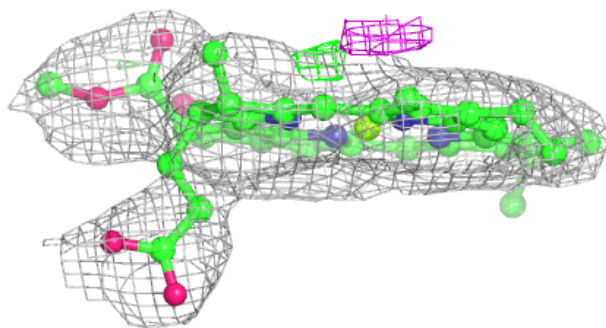
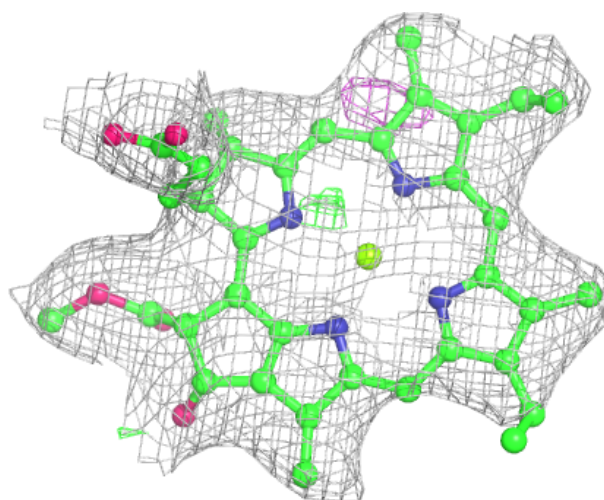
**Electron density around CLA Z 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 813:**

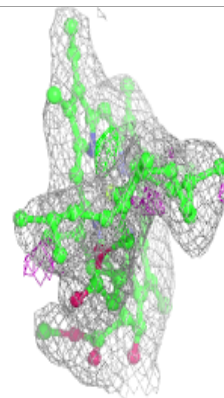
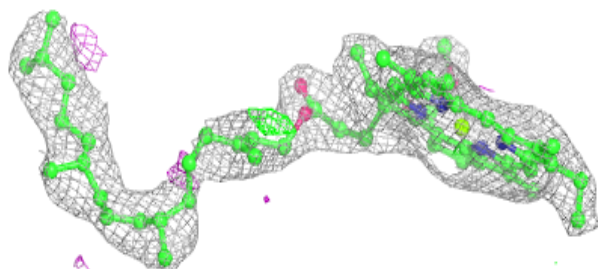
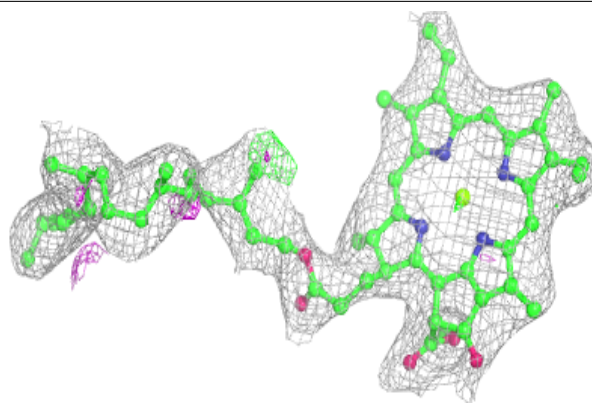
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



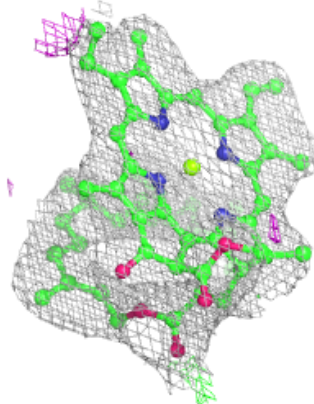
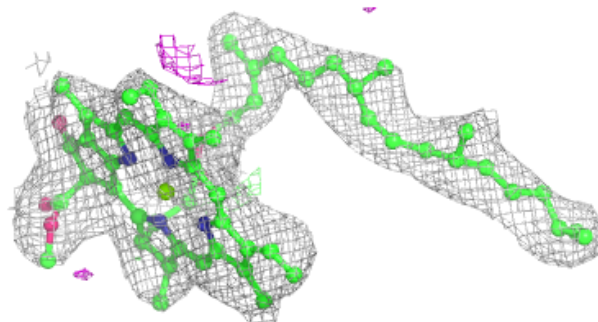
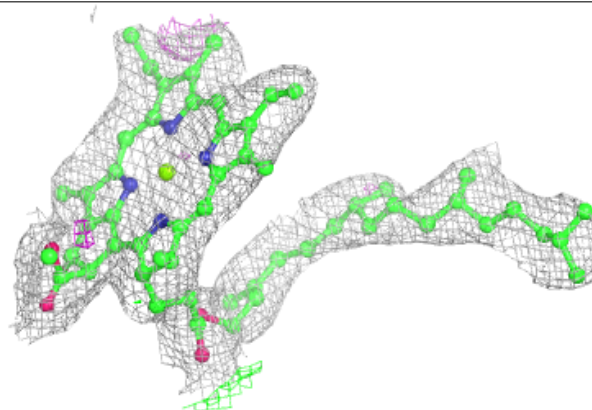


**Electron density around CLA Z 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

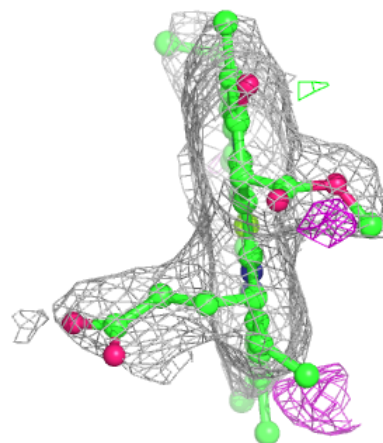
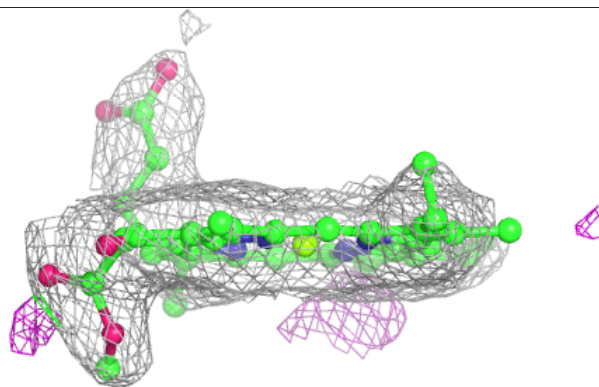
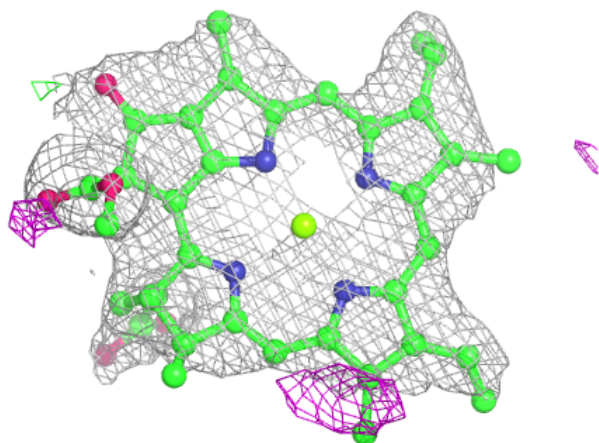
**Electron density around CLA Z 815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



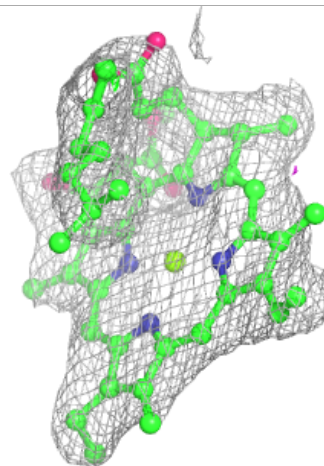
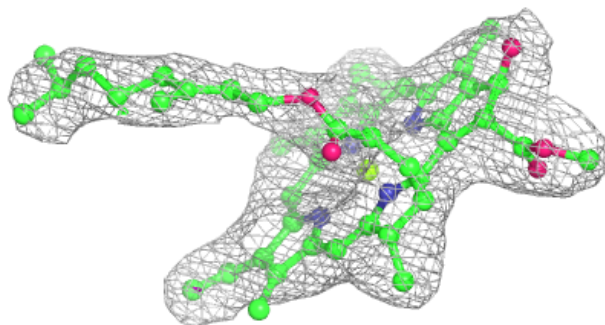
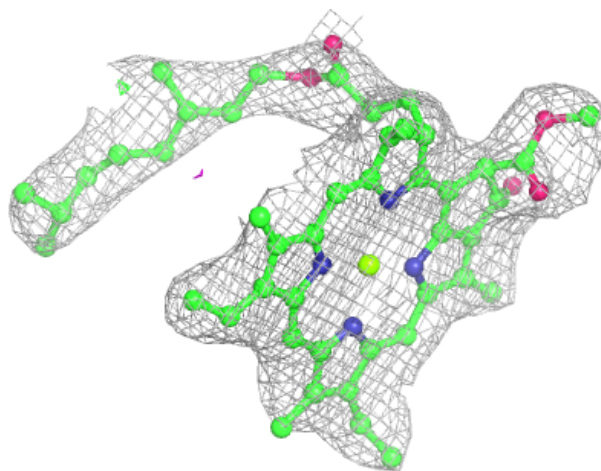
**Electron density around CLA Z 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 817:**

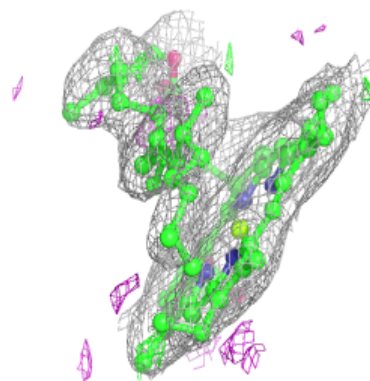
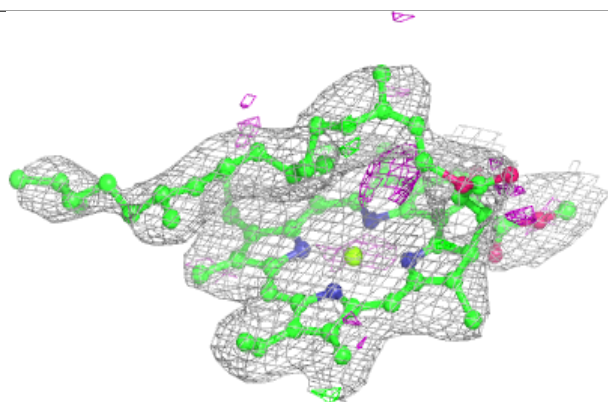
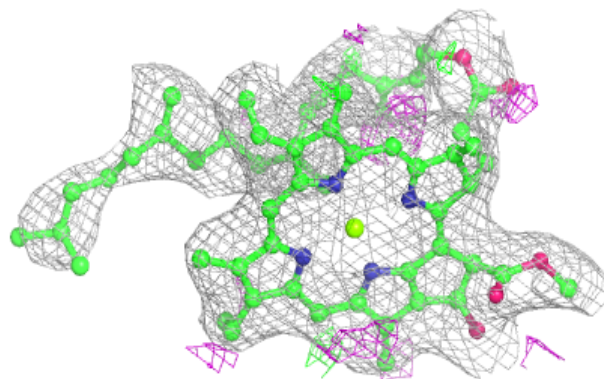
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



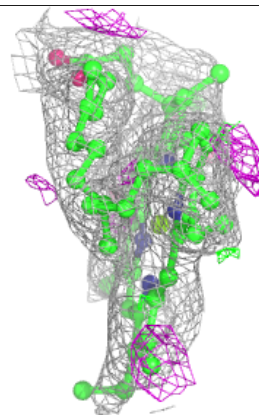
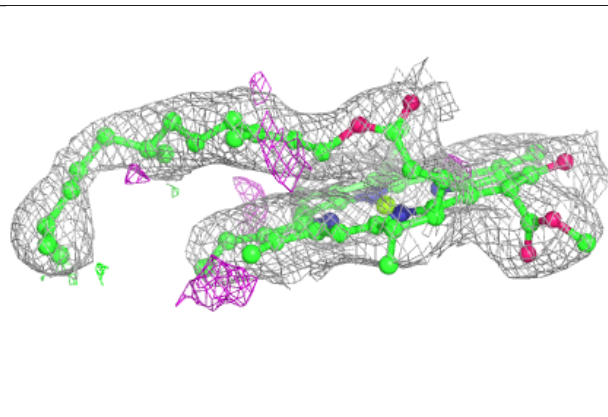
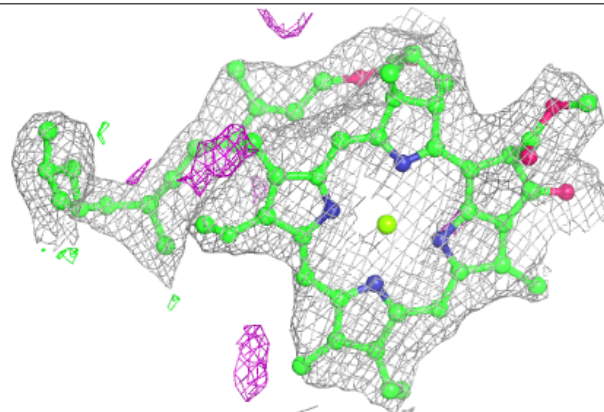


**Electron density around CLA Z 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

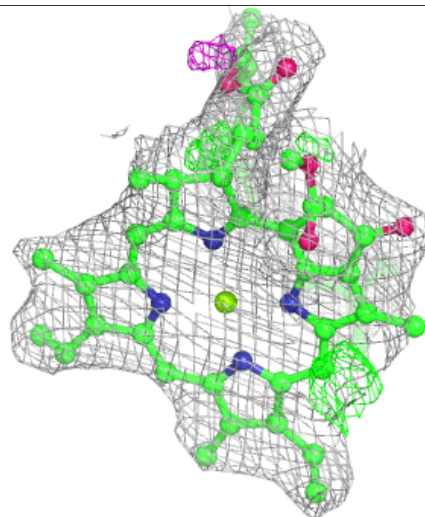
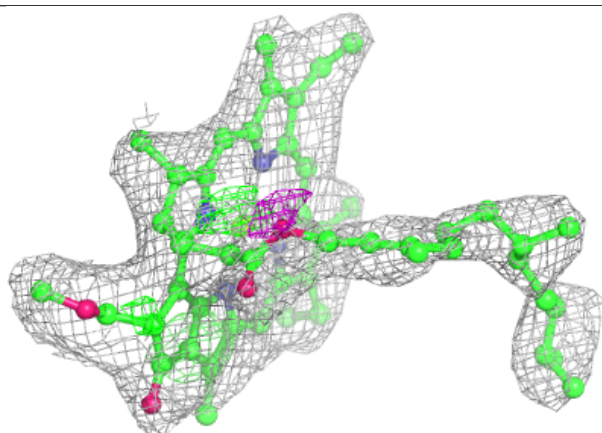
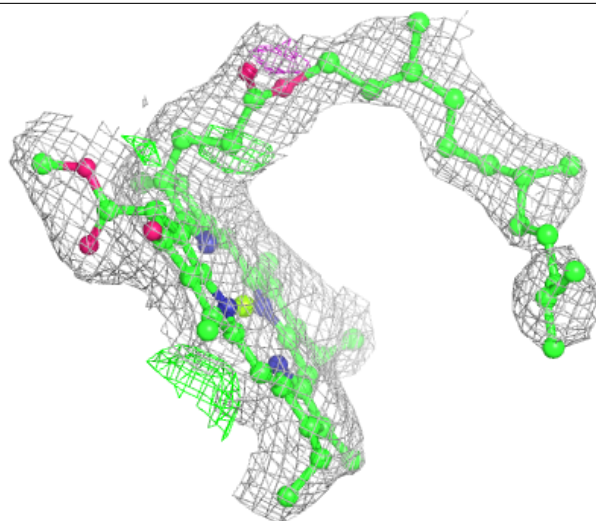
**Electron density around CLA Z 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



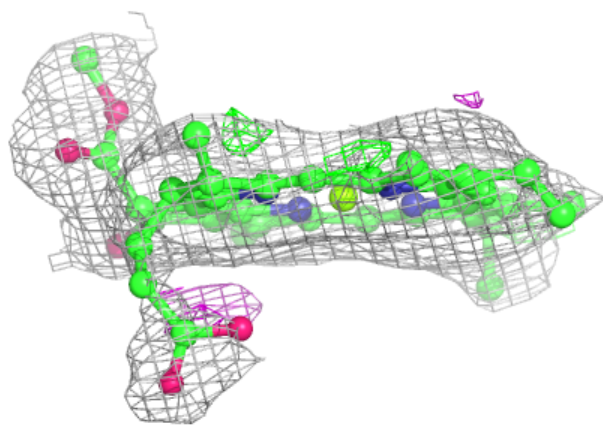
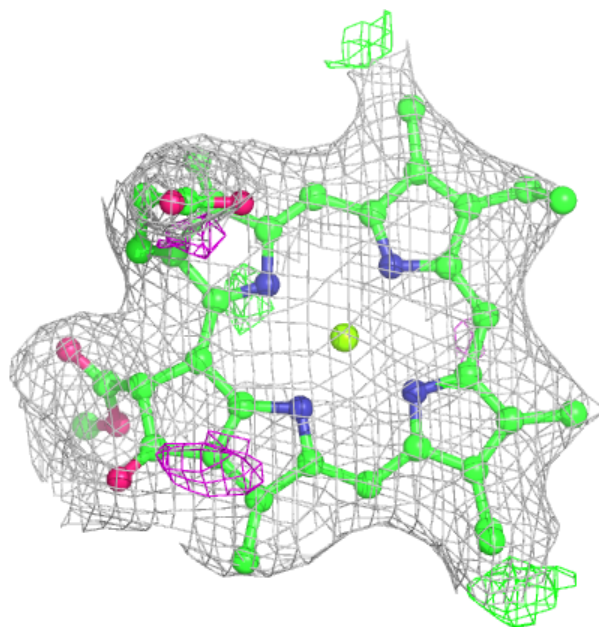
**Electron density around CLA Z 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



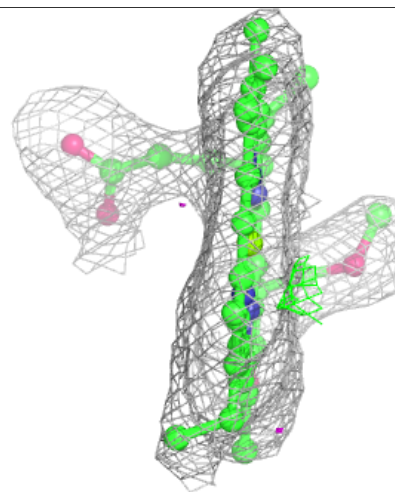
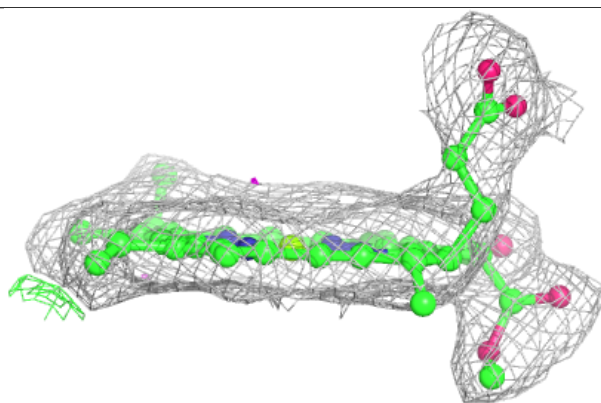
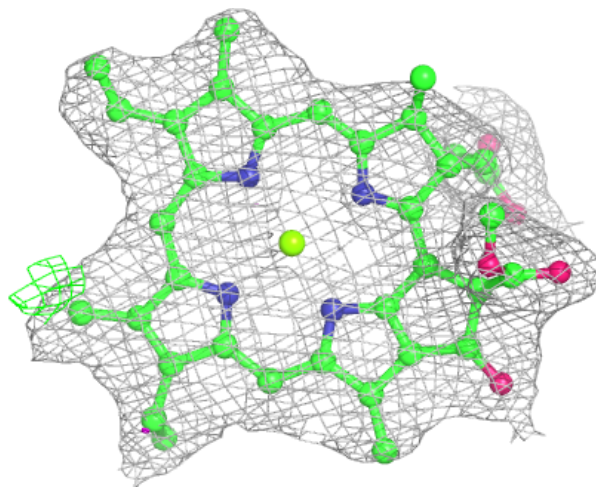
**Electron density around CLA Z 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 822:**

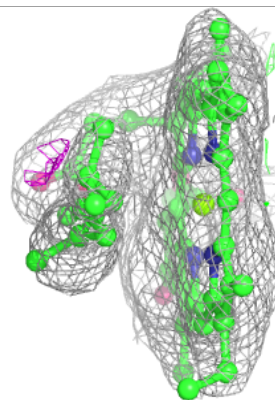
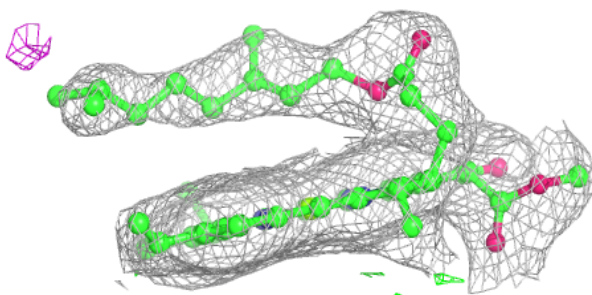
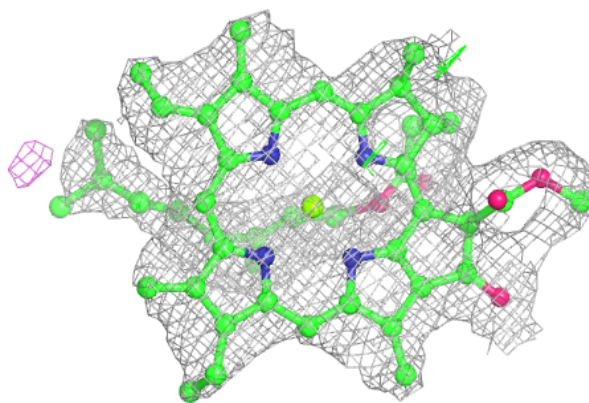
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



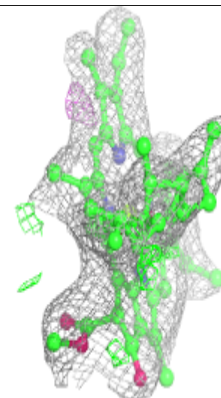
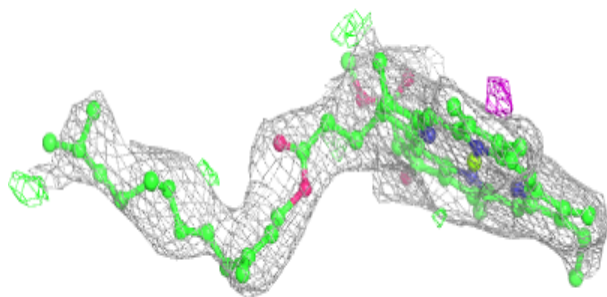
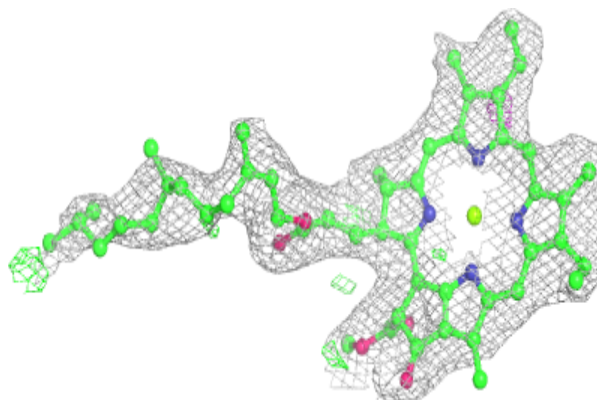


**Electron density around CLA Z 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

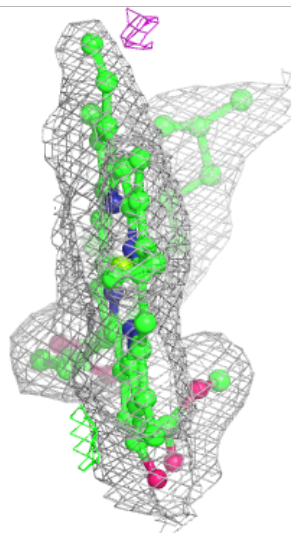
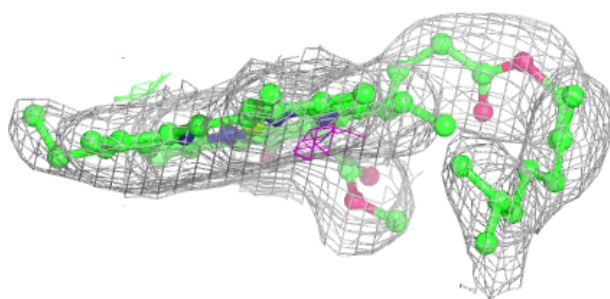
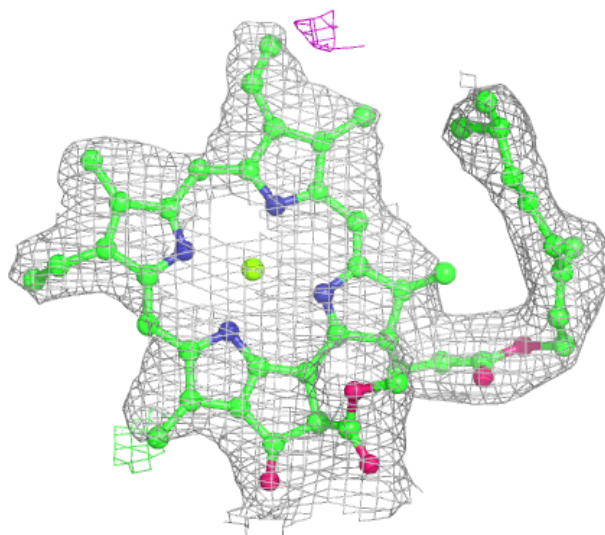
**Electron density around CLA Z 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



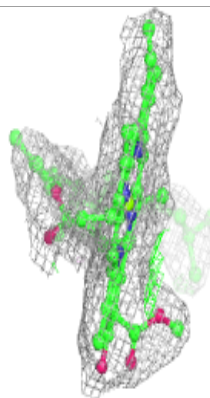
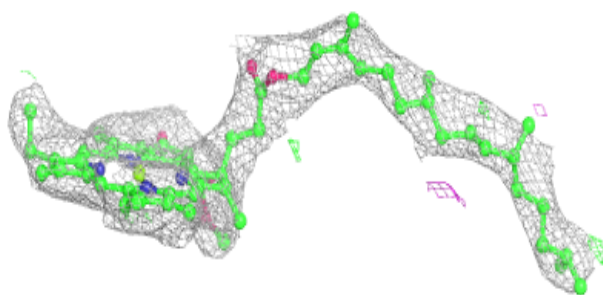
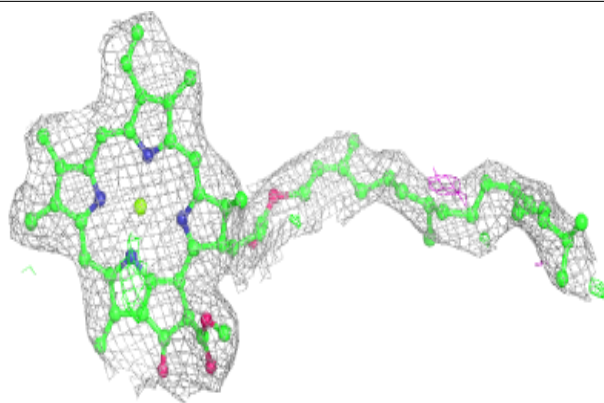
**Electron density around CLA Z 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

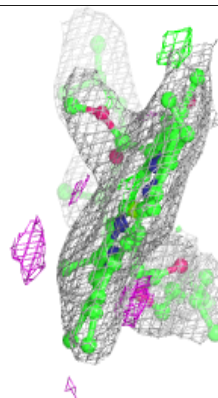
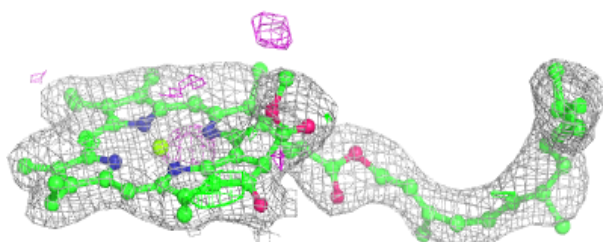
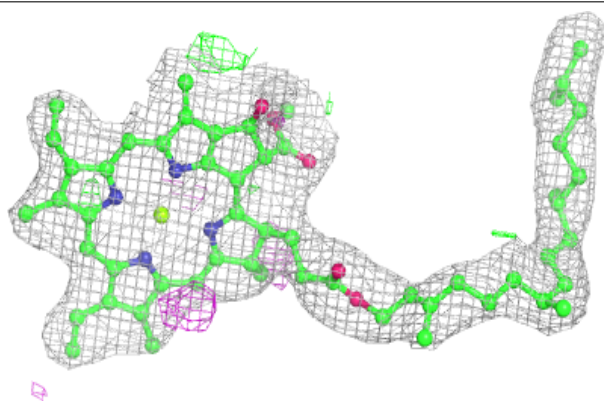


**Electron density around CLA Z 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Z 827:**

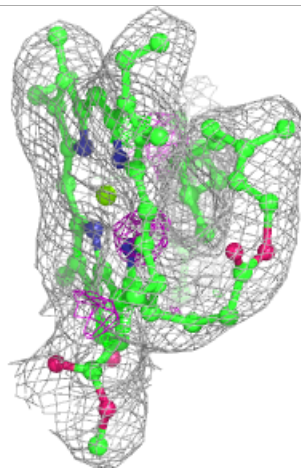
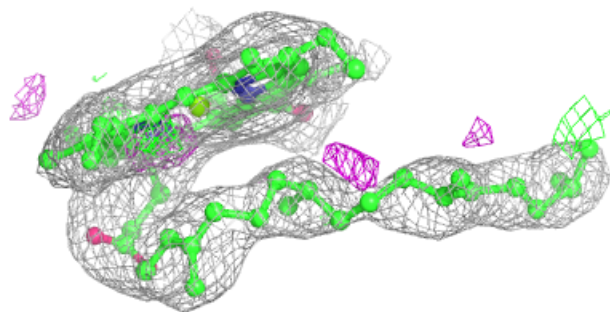
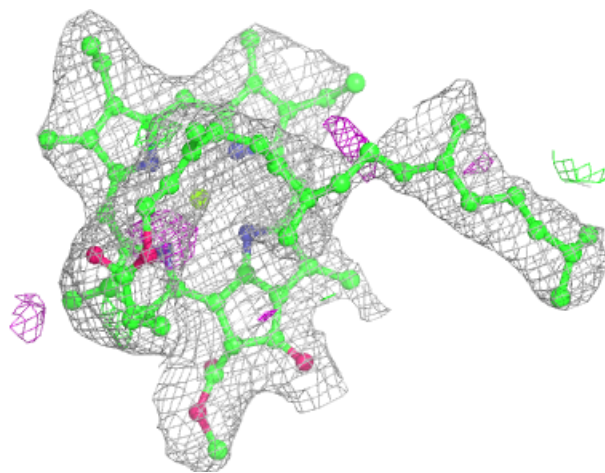
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





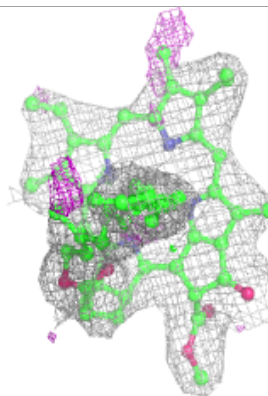
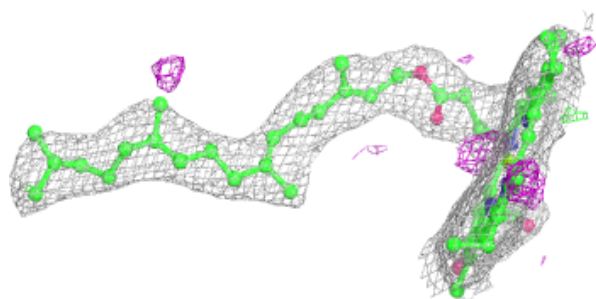
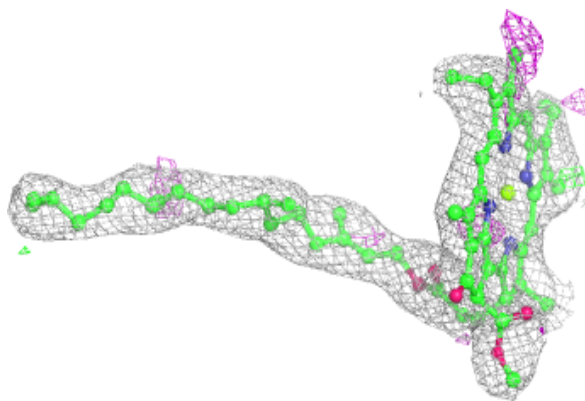
**Electron density around CLA Z 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

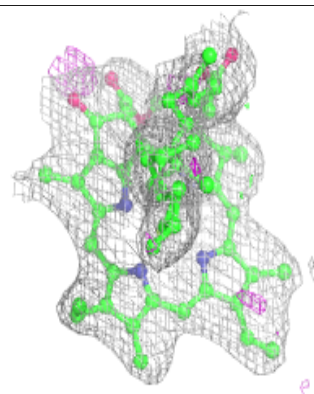
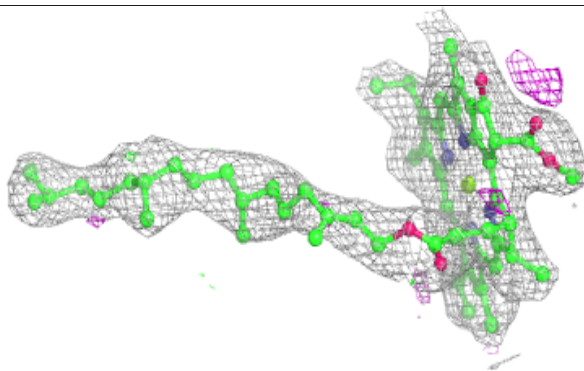
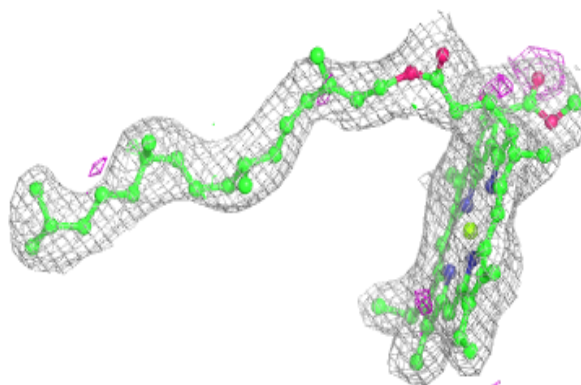


**Electron density around CLA Z 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

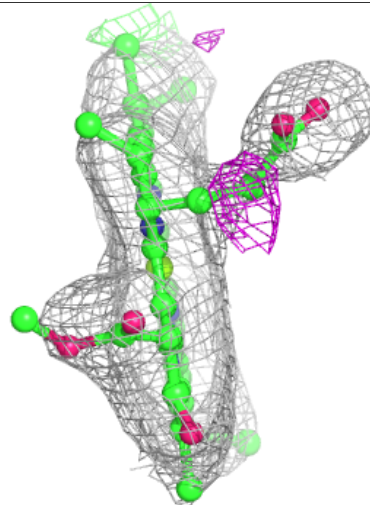
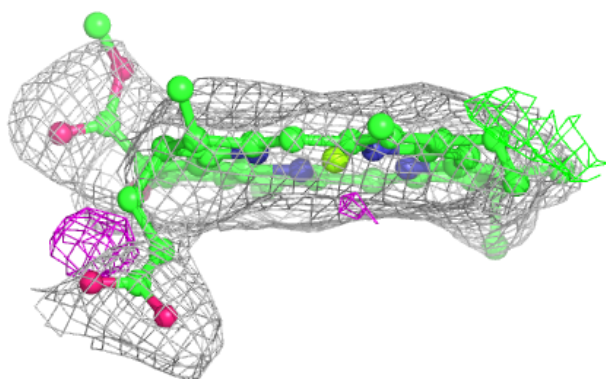
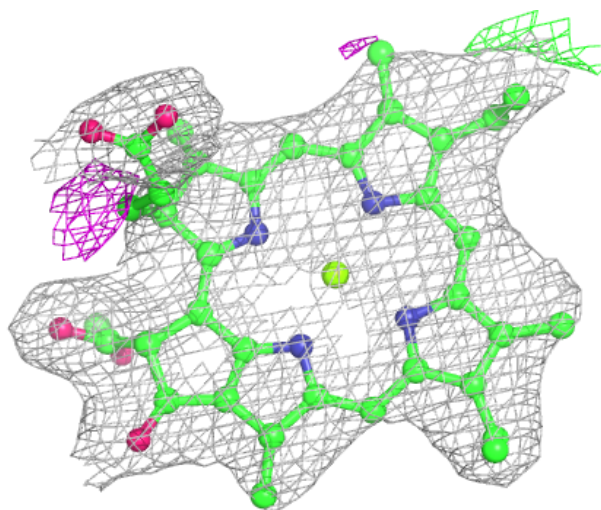
**Electron density around CLA Z 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



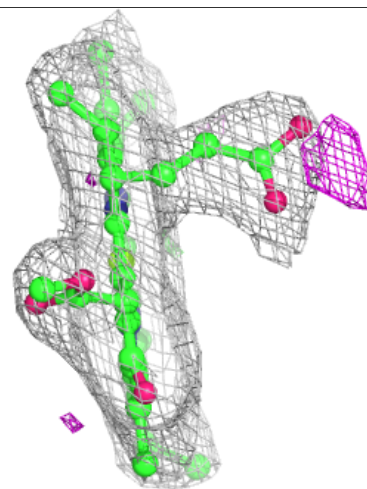
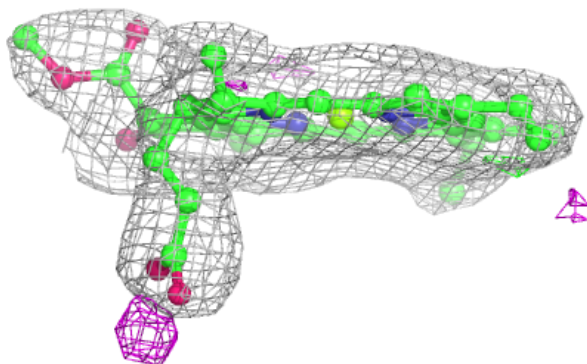
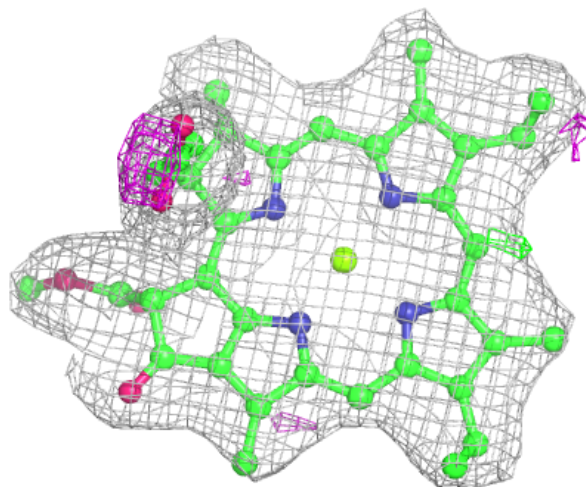
**Electron density around CLA Z 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



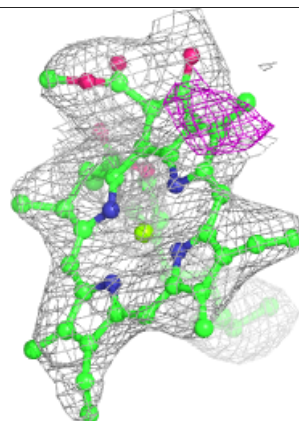
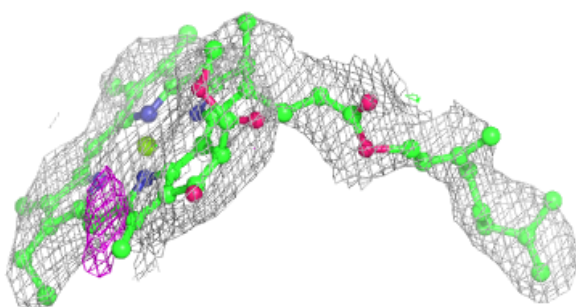
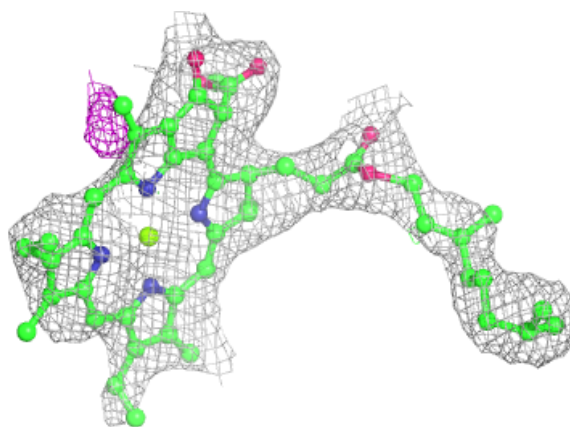
**Electron density around CLA Z 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 833:**

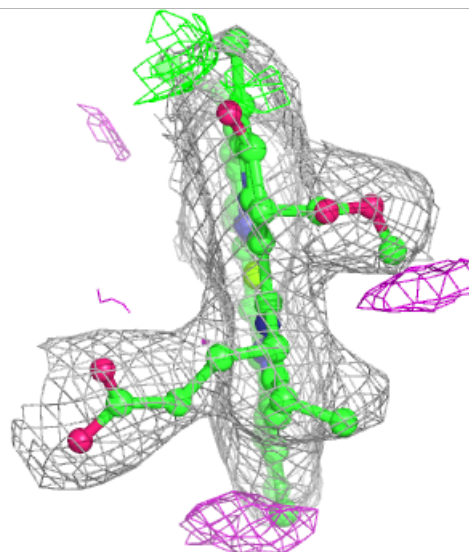
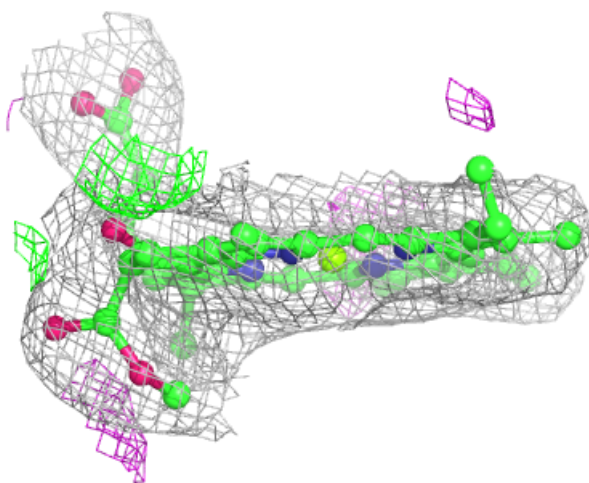
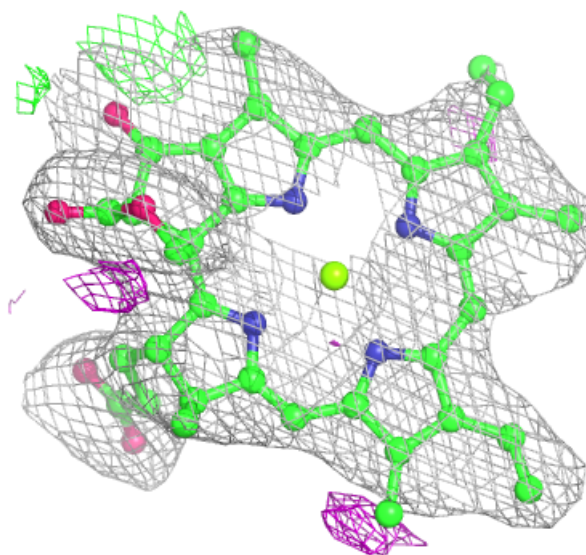
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





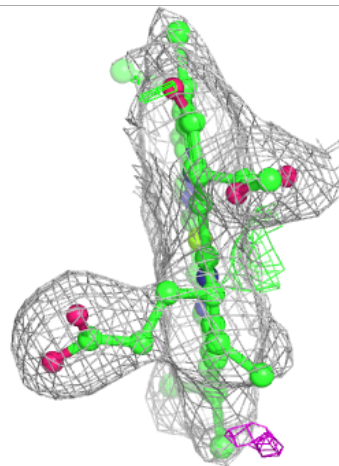
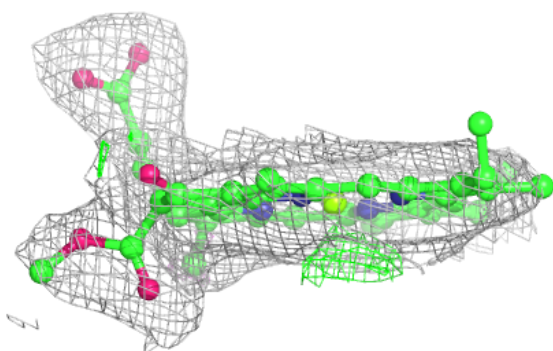
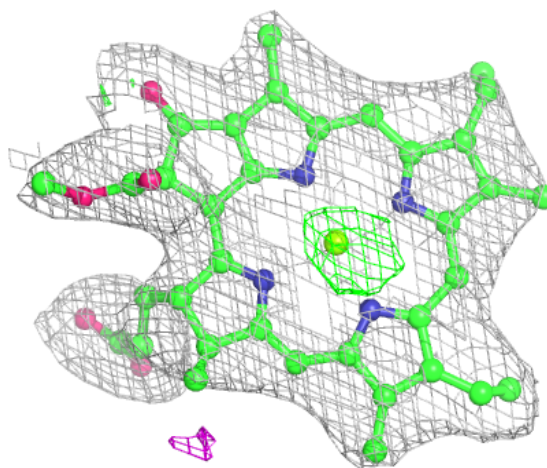
**Electron density around CLA Z 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA Z 835:**

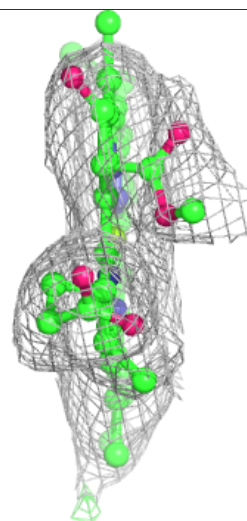
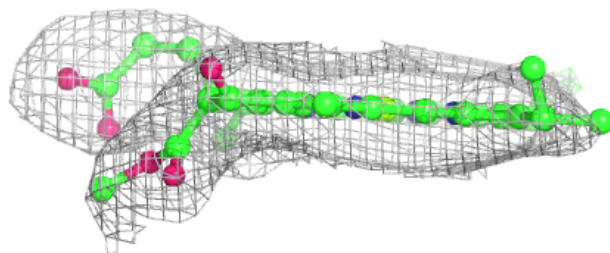
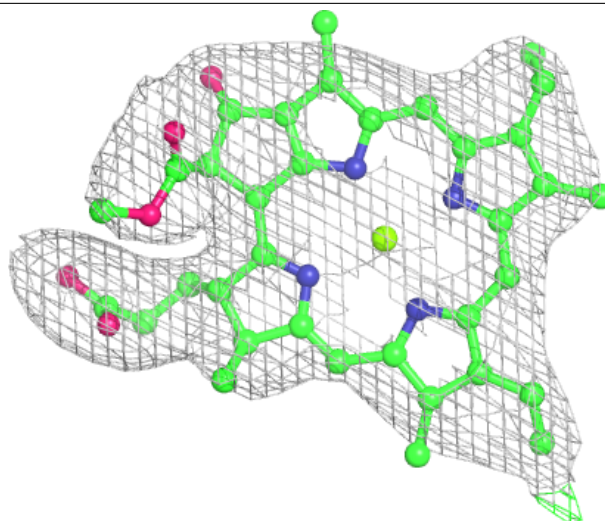
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





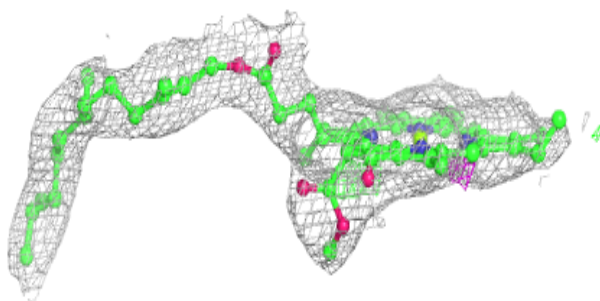
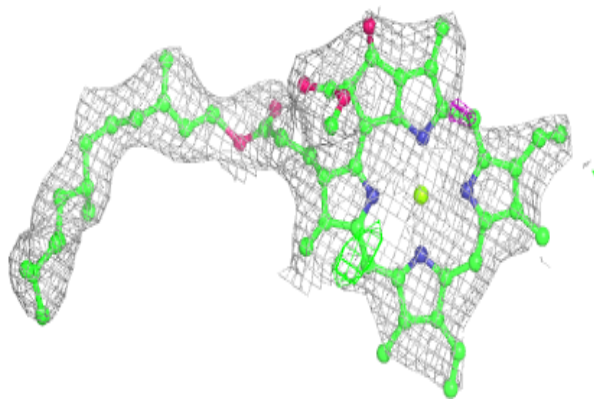
**Electron density around CLA Z 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

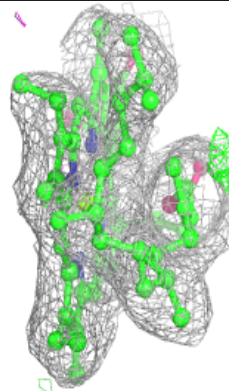
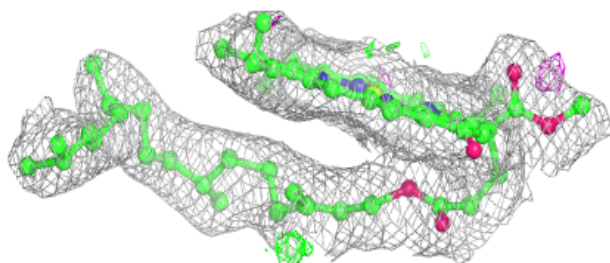
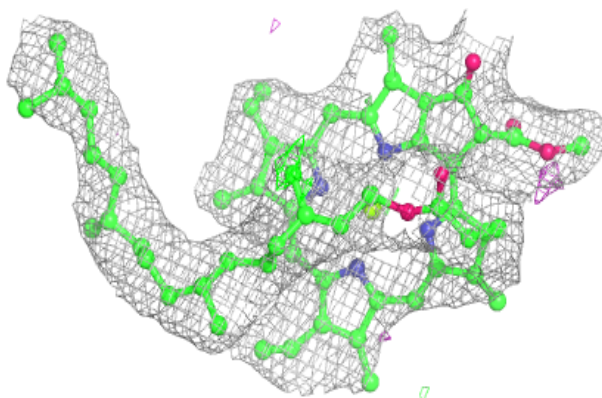


**Electron density around CLA Z 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

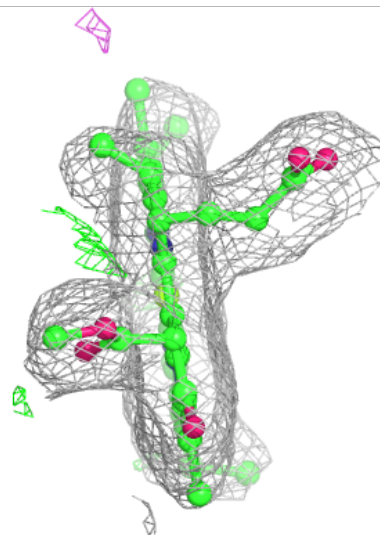
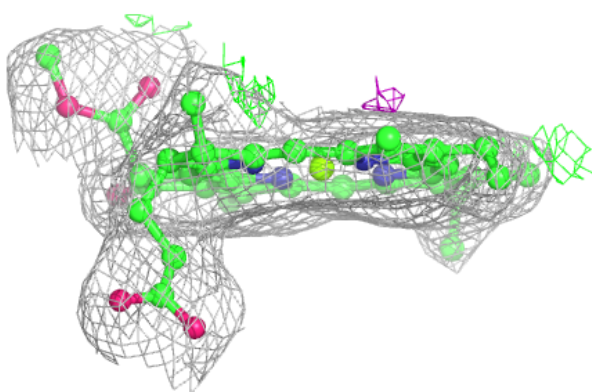
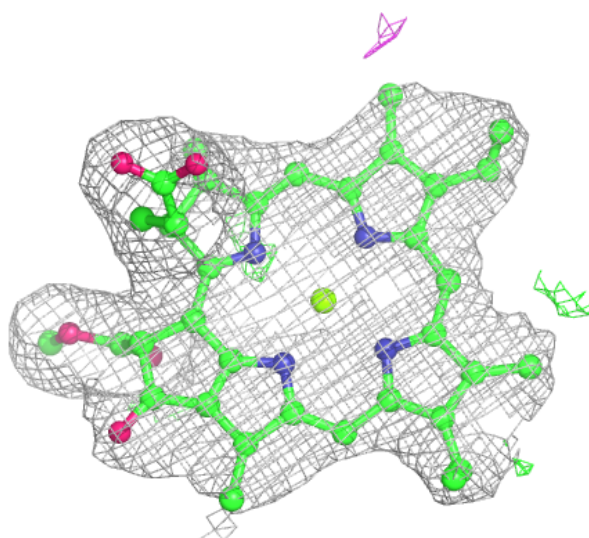
**Electron density around CLA Z 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



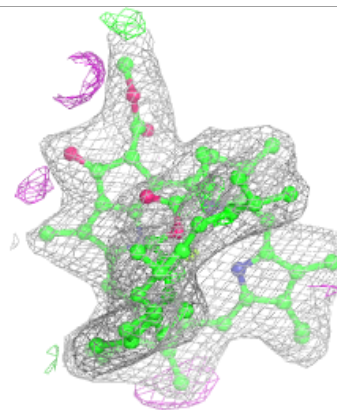
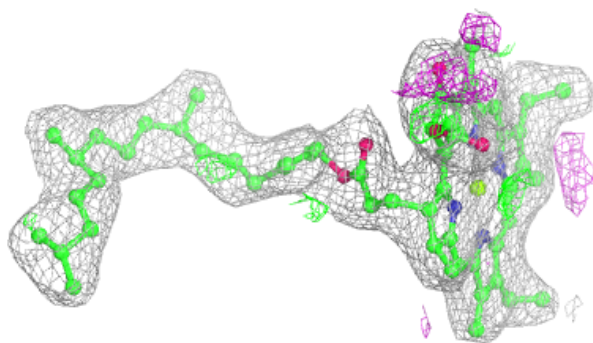
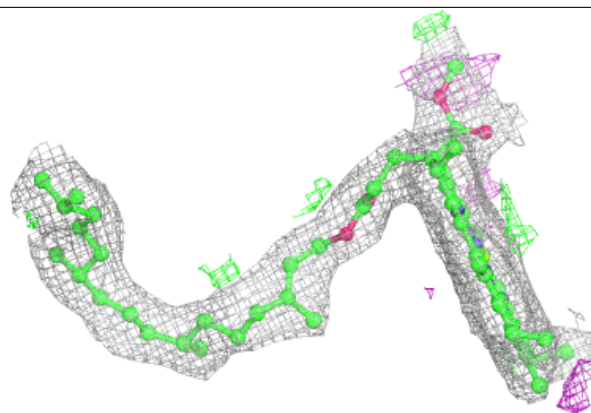
**Electron density around CLA Z 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

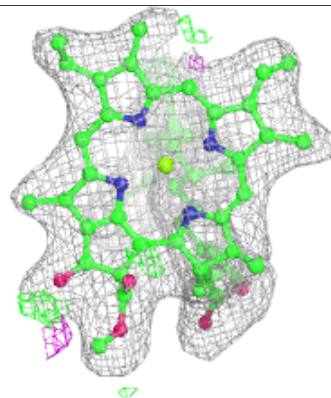
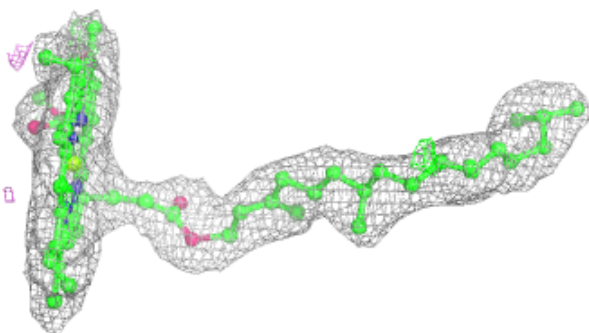
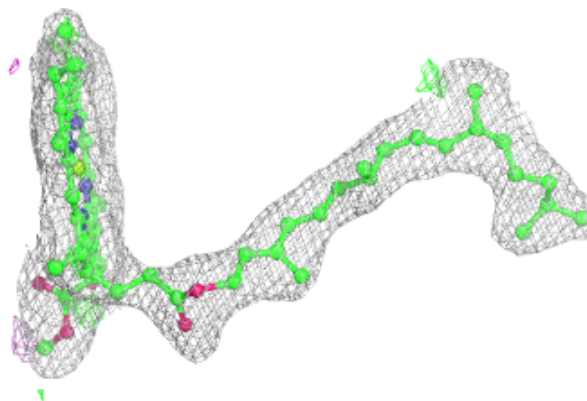


**Electron density around CLA Z 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA Z 841:**

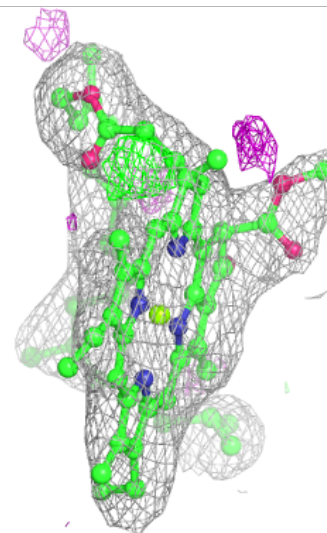
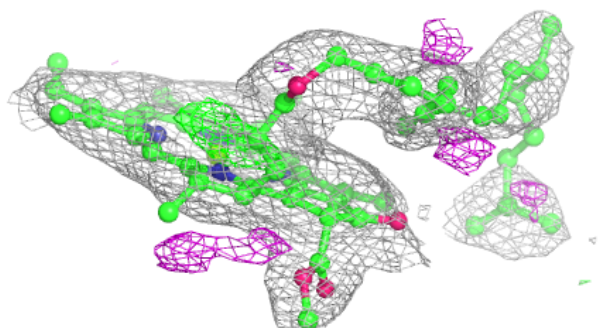
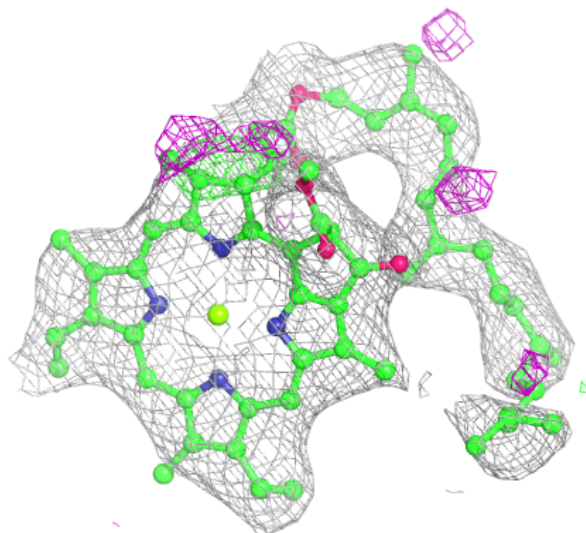
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





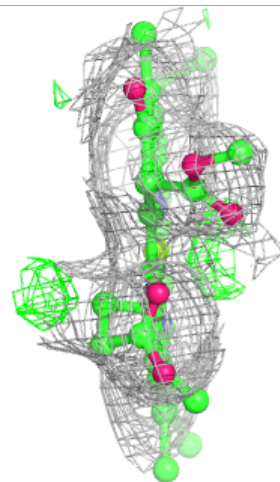
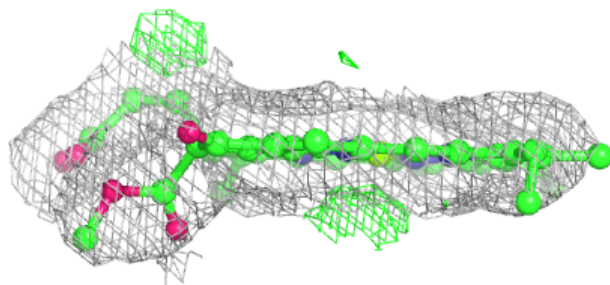
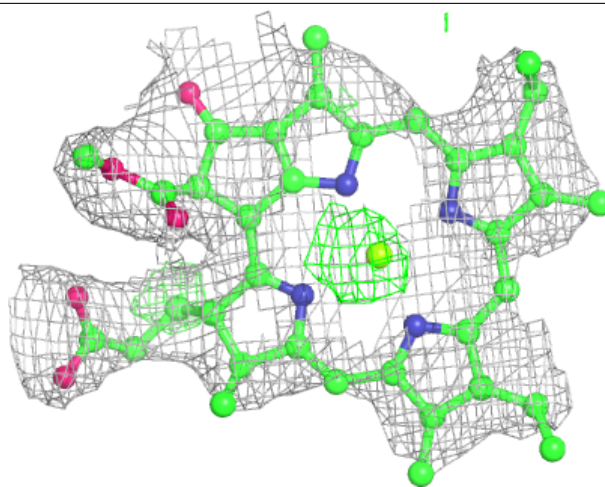
**Electron density around CLA d 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



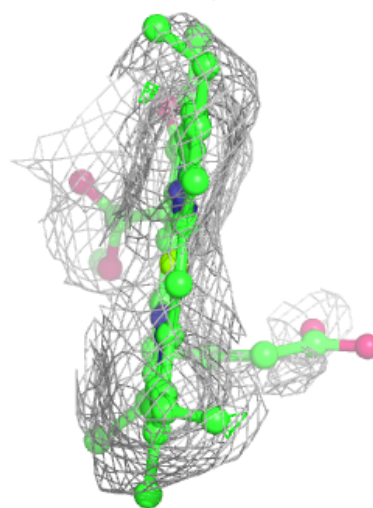
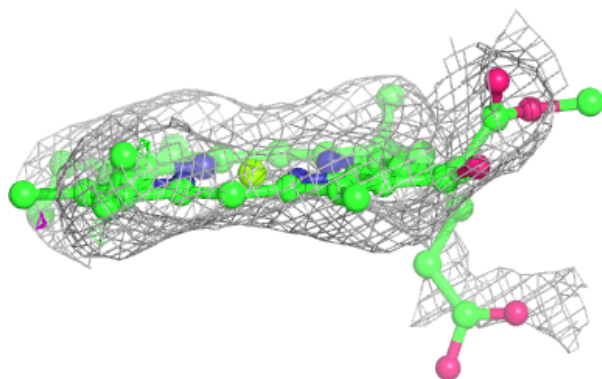
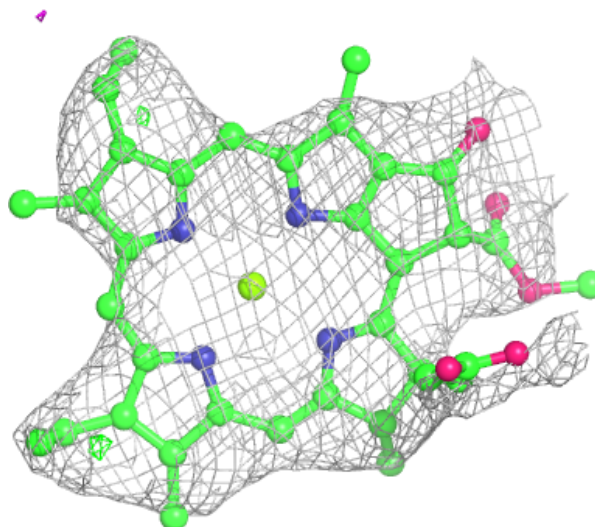
**Electron density around CLA d 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA f 101:**

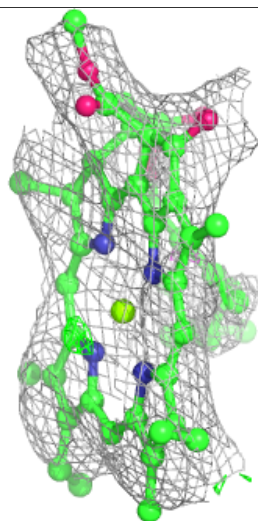
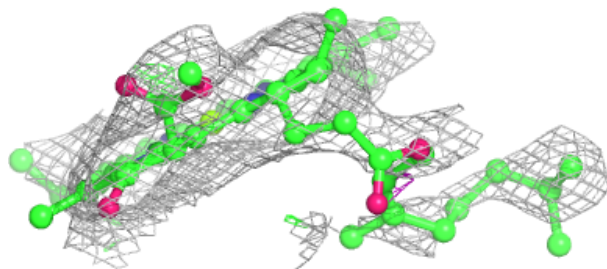
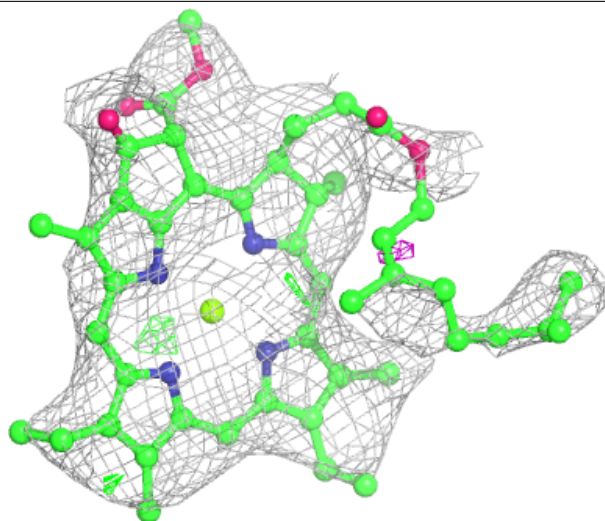
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





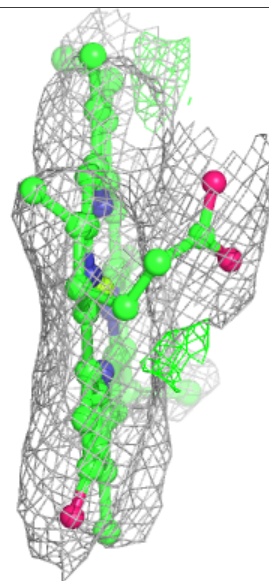
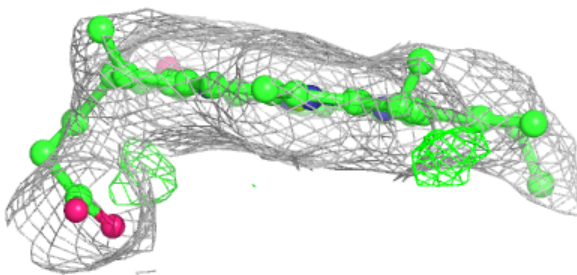
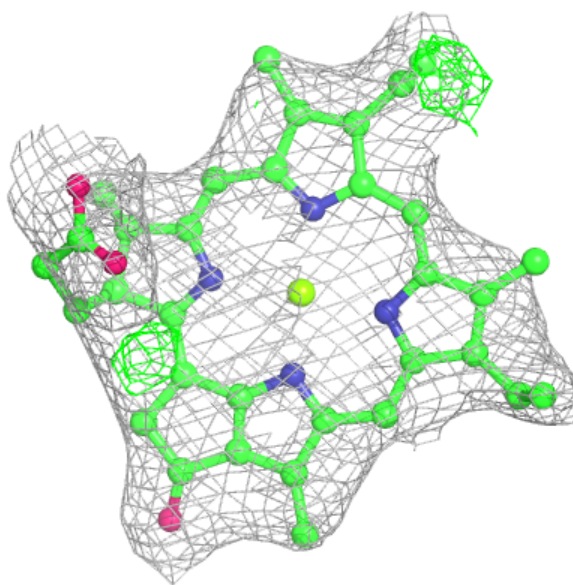
**Electron density around CLA f 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



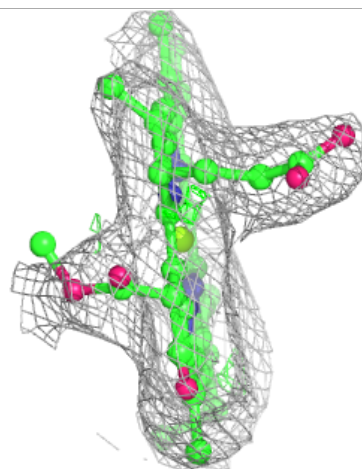
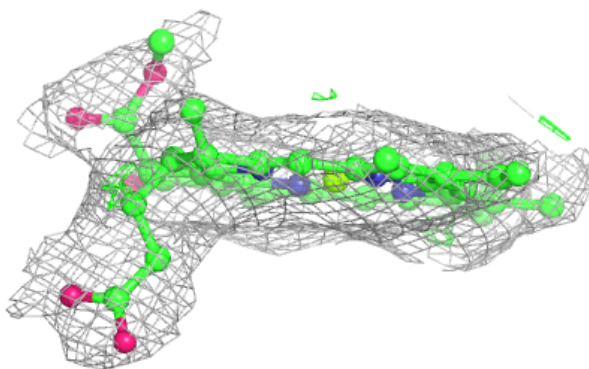
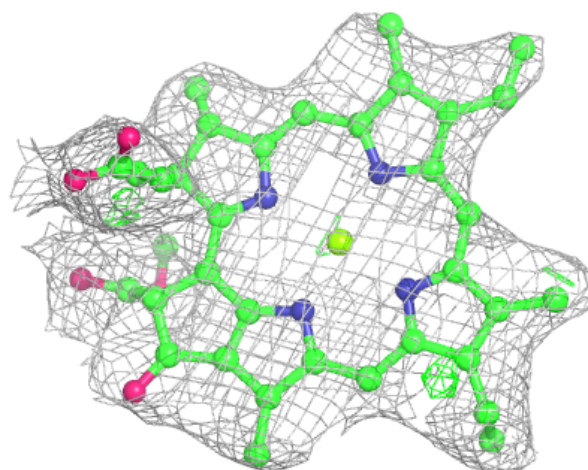
**Electron density around CLA g 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



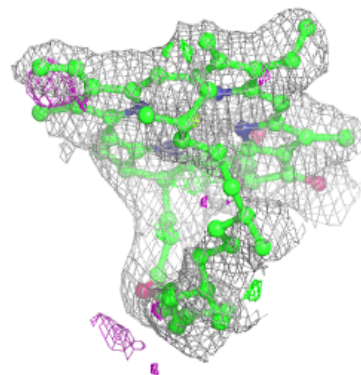
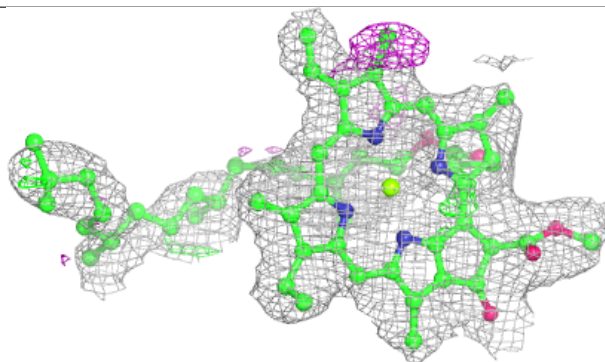
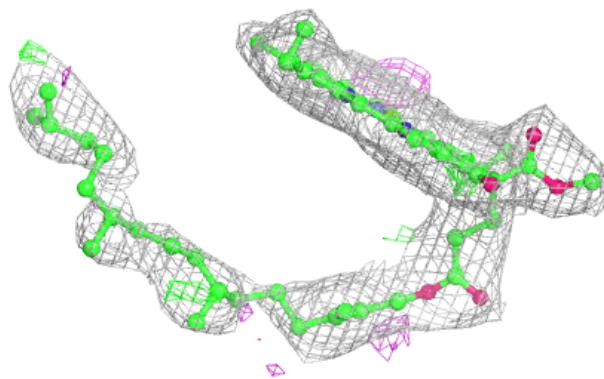
**Electron density around CLA g 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



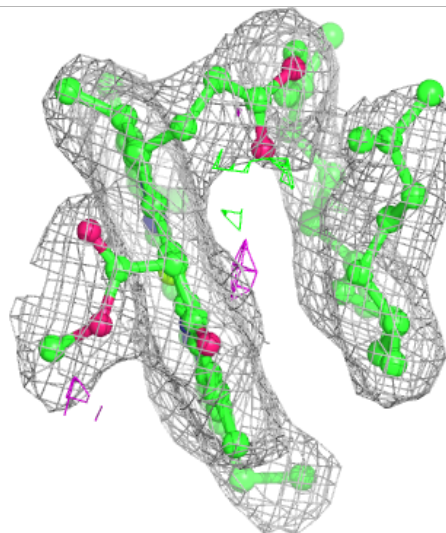
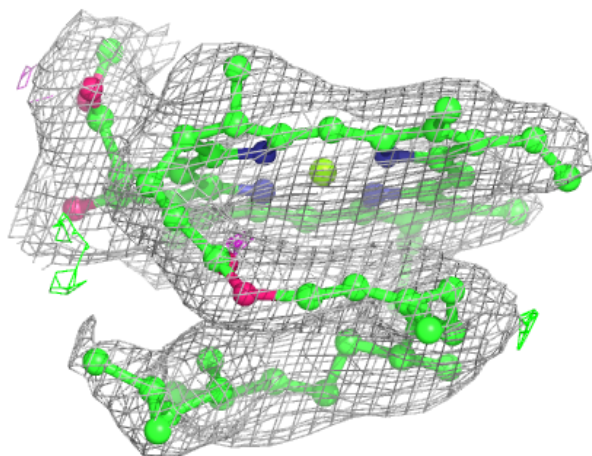
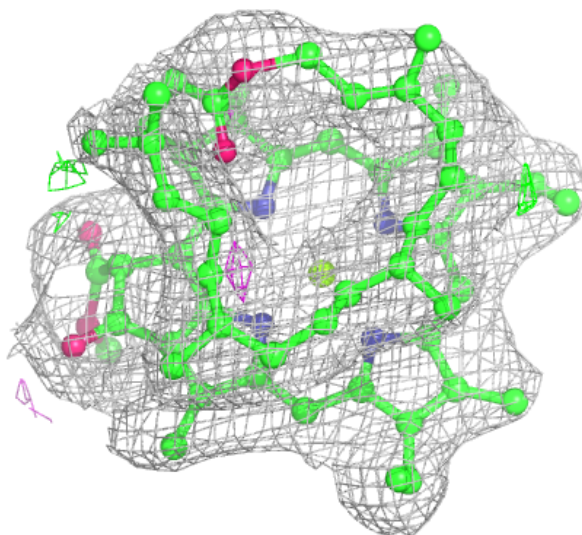
**Electron density around CLA h 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA h 204:**

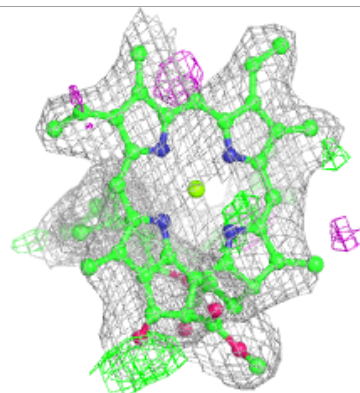
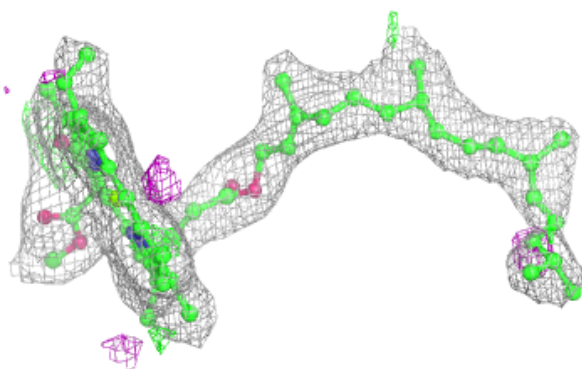
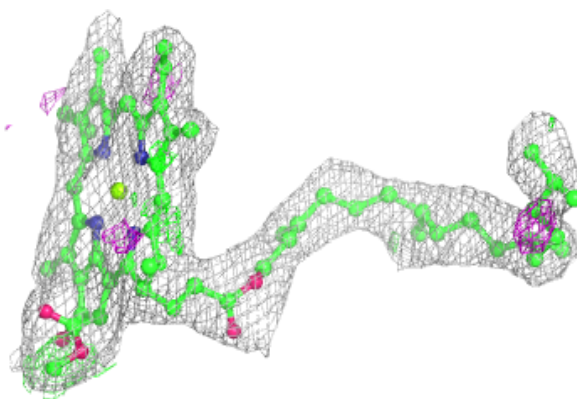
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



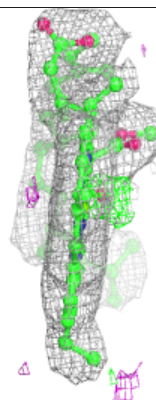
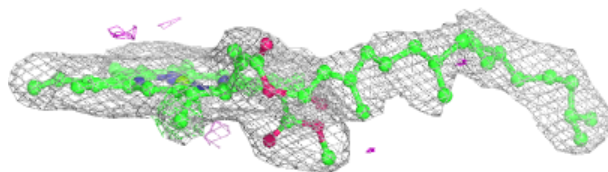
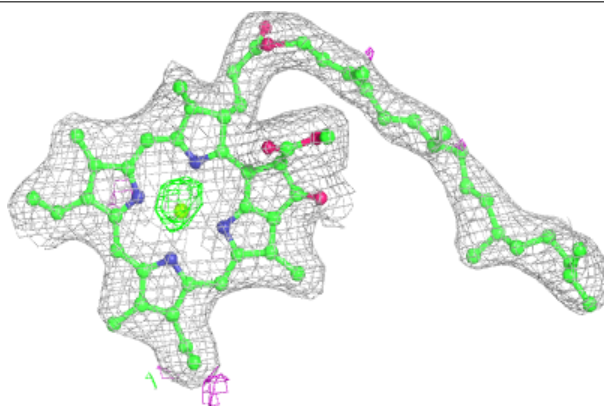


**Electron density around CLA h 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

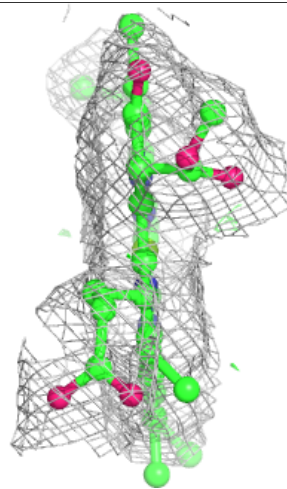
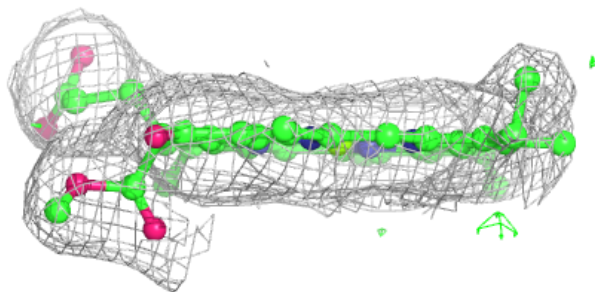
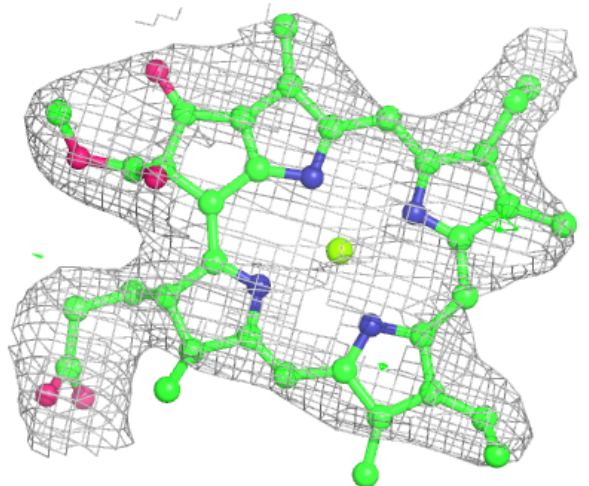
**Electron density around CLA h 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA j 102:**

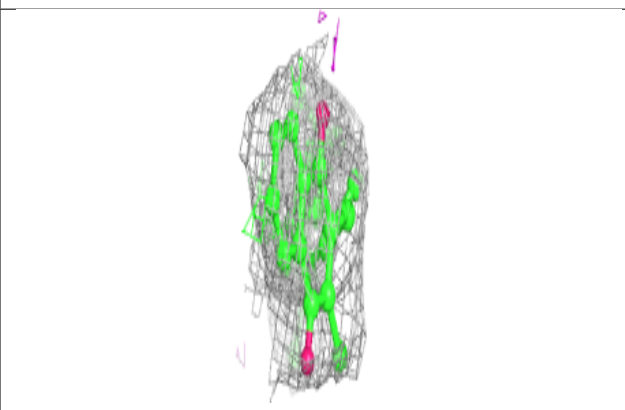
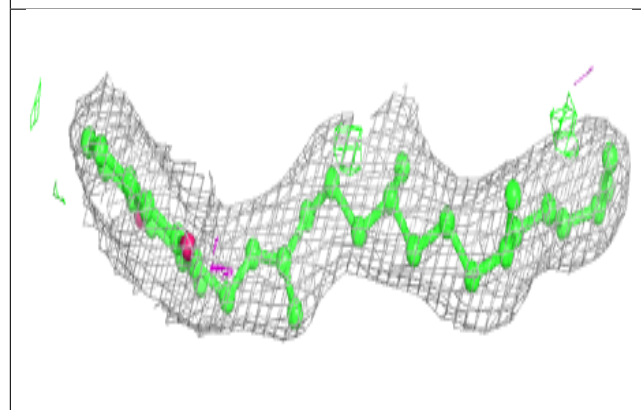
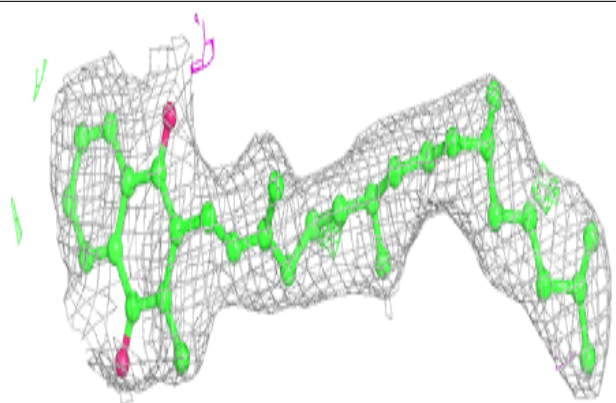
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



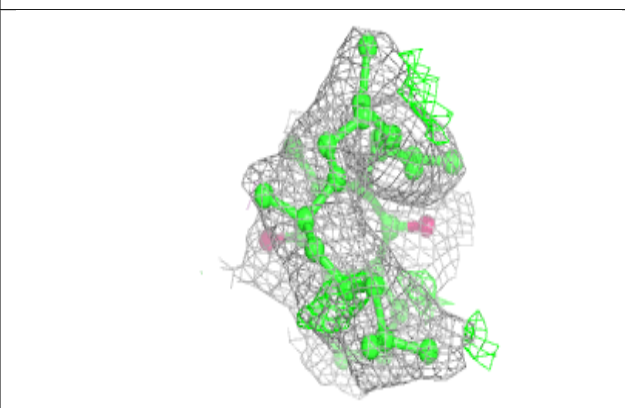
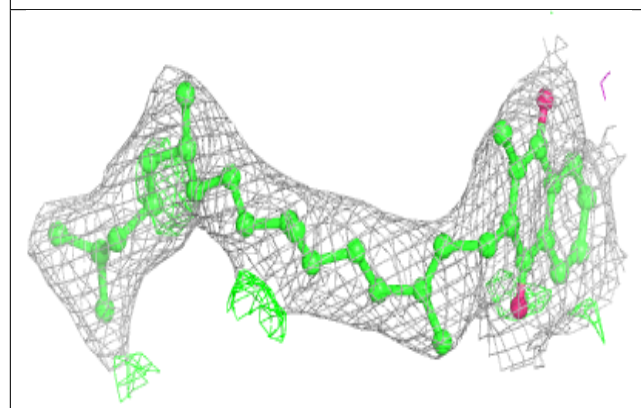
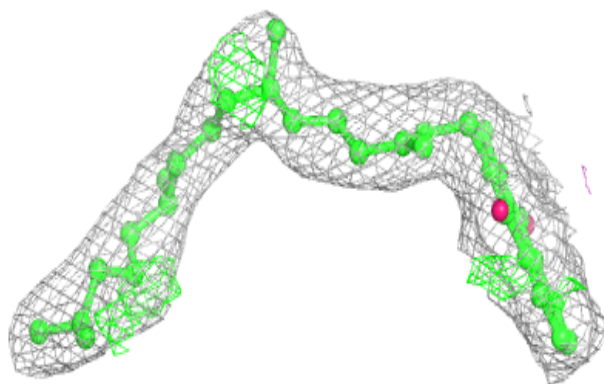


**Electron density around PQN A 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

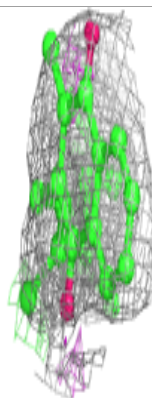
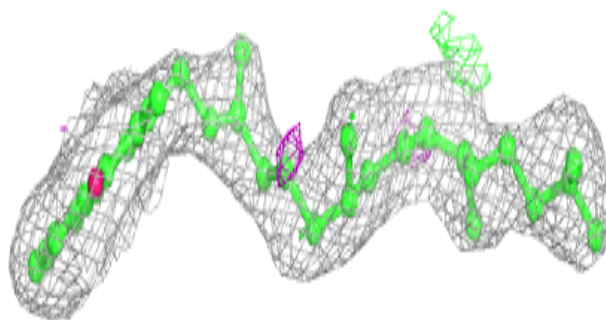
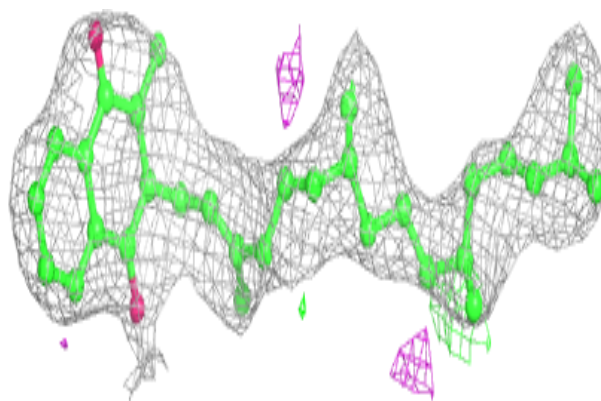
**Electron density around PQN B 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

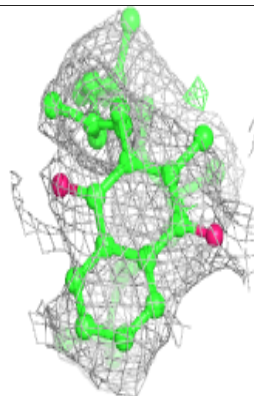
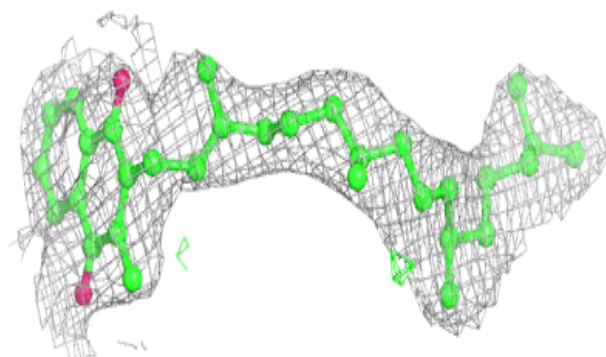
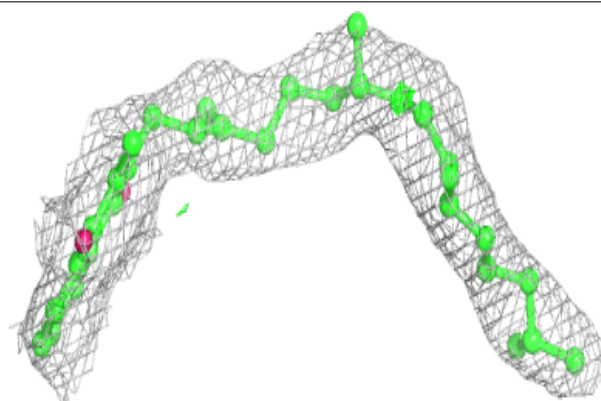


**Electron density around PQN G 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

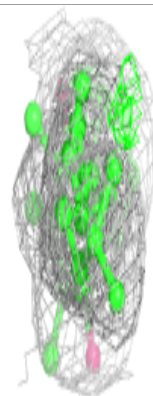
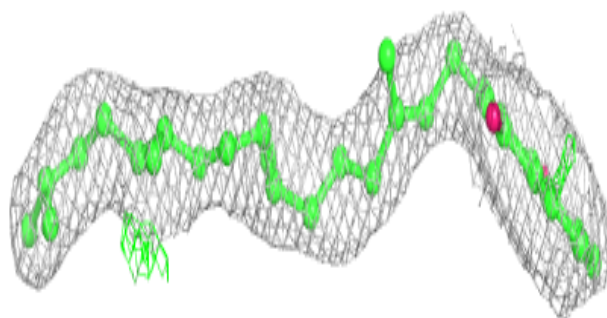
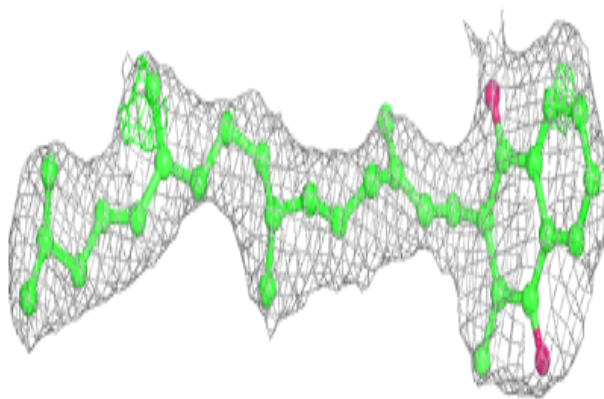
**Electron density around PQN H 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

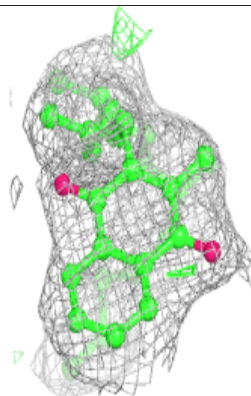
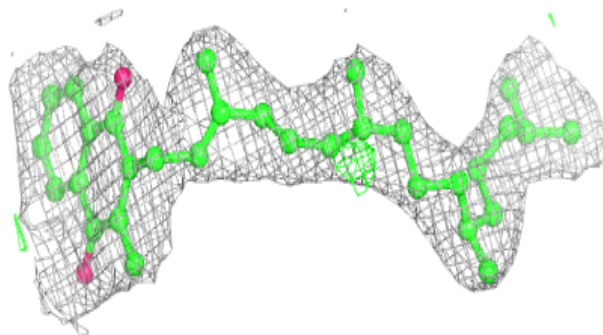
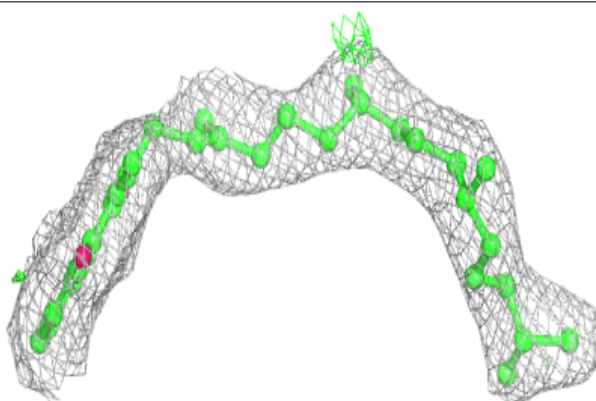


**Electron density around PQN Y 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

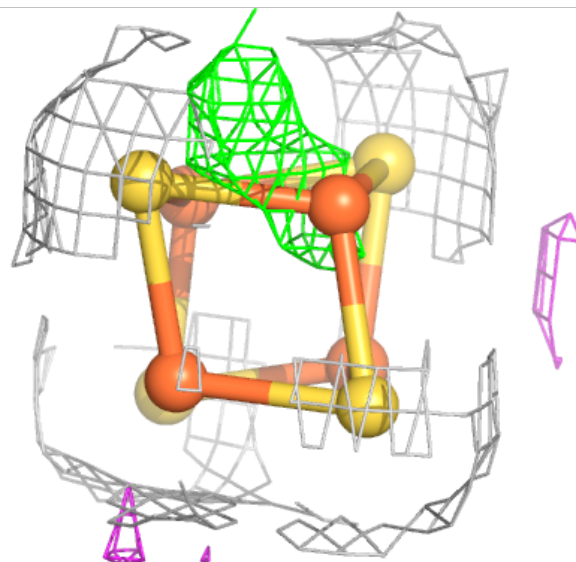
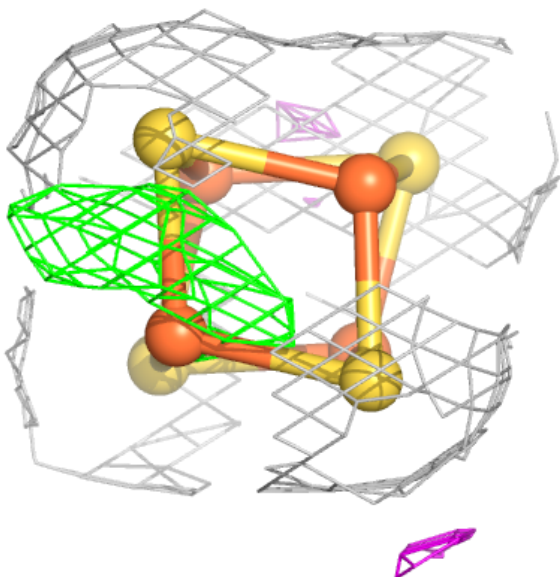
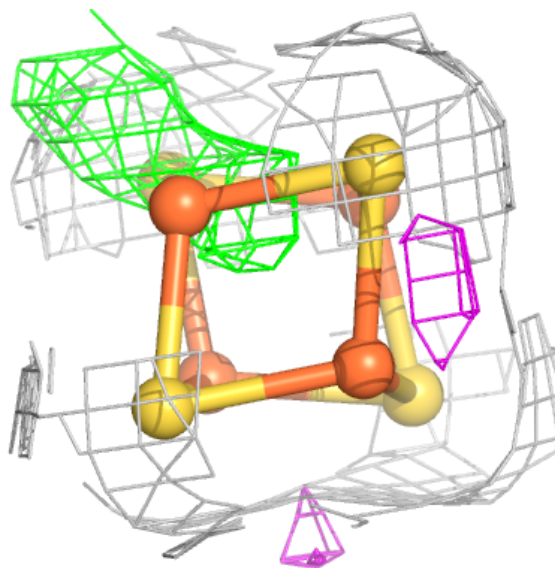
**Electron density around PQN Z 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around SF4 A 845:**

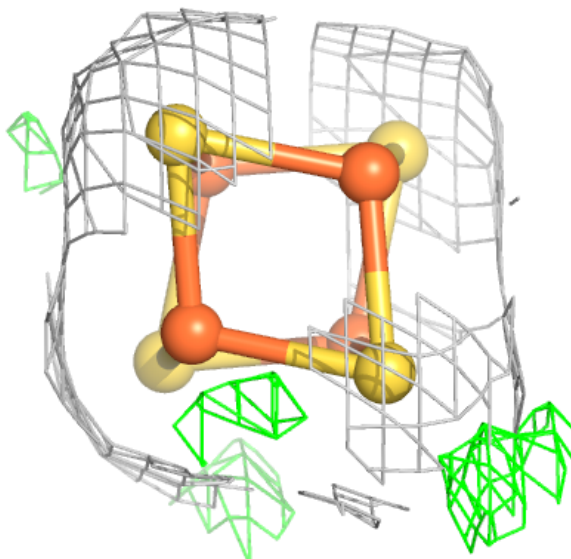
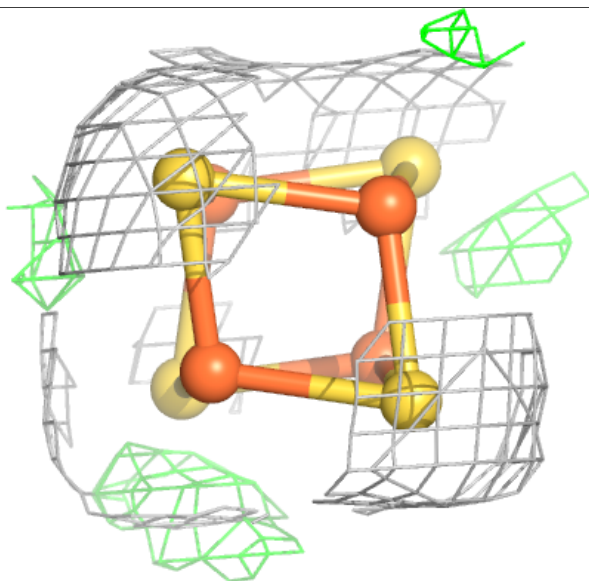
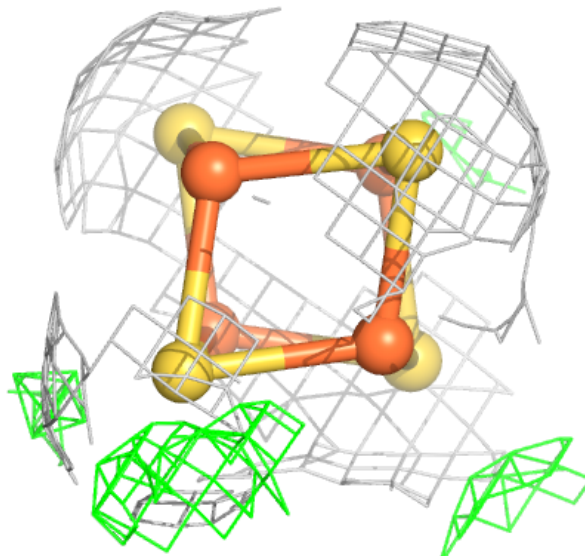
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





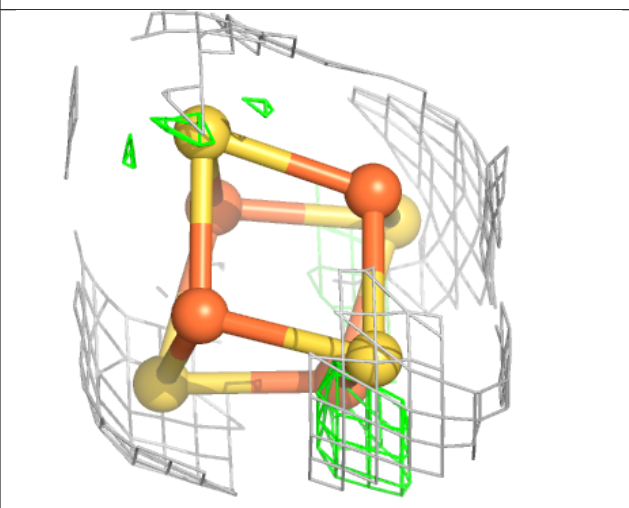
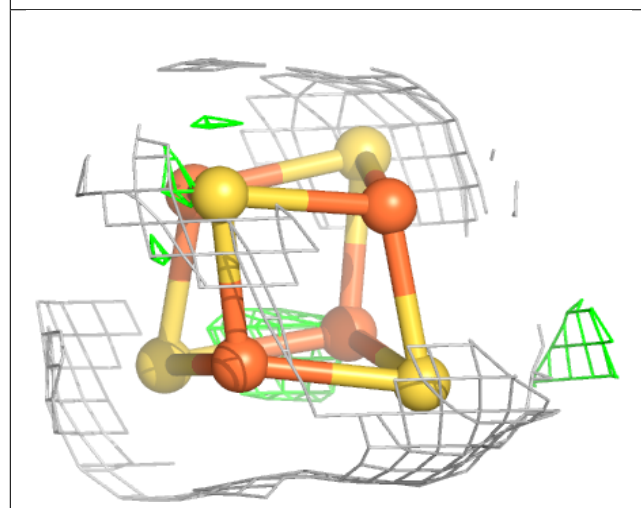
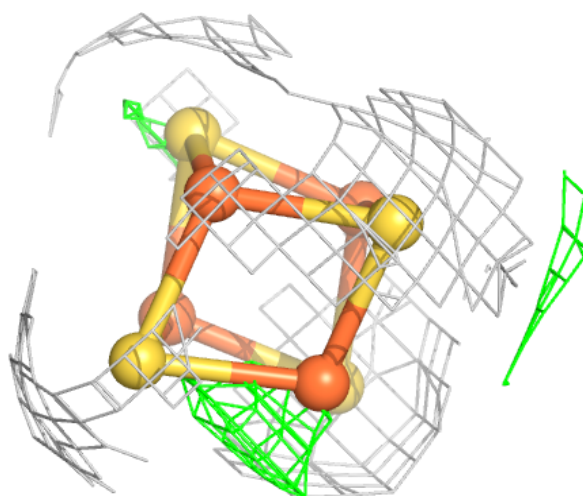
**Electron density around SF4 C 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



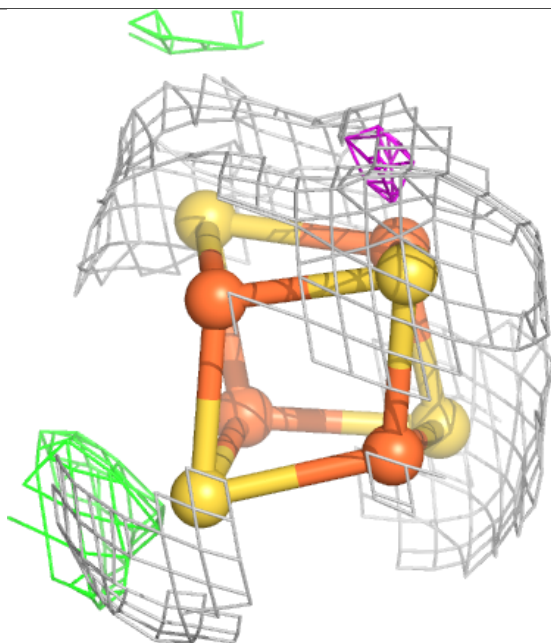
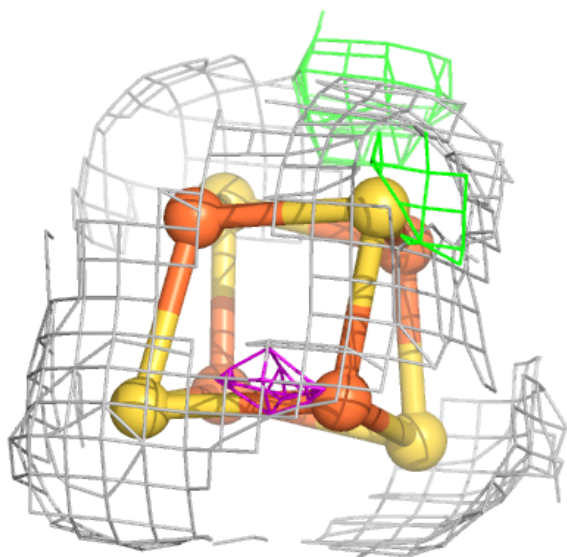
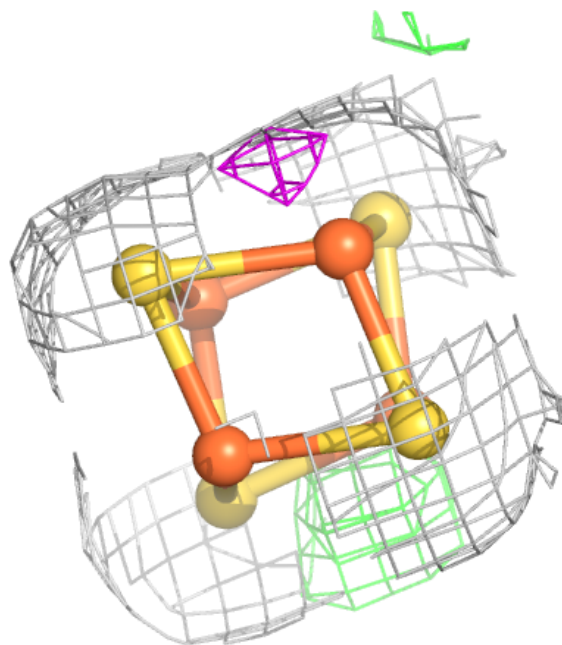
**Electron density around SF4 C 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around SF4 G 844:**

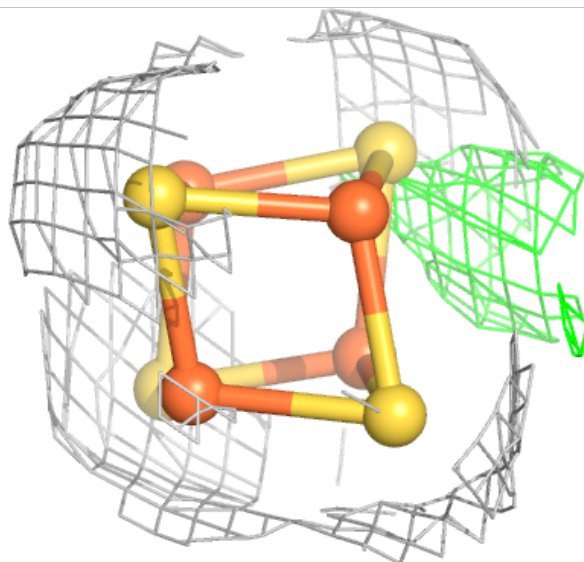
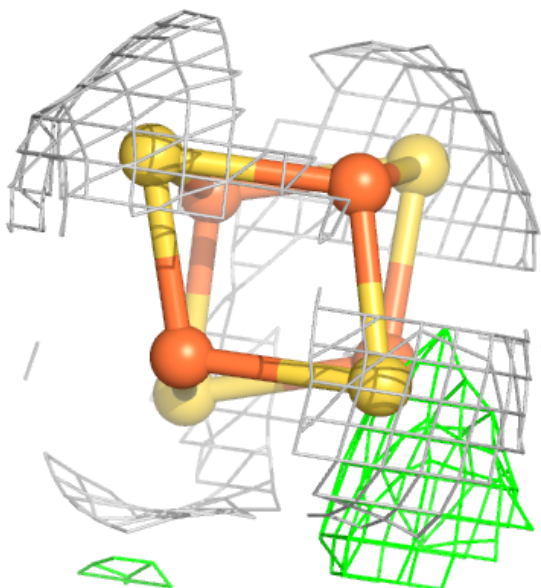
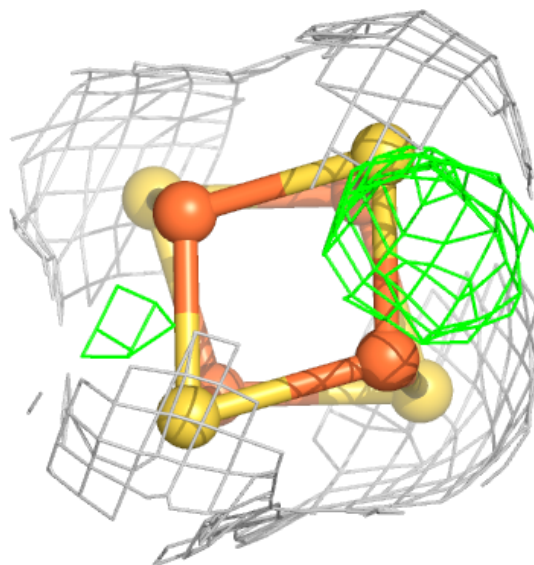
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





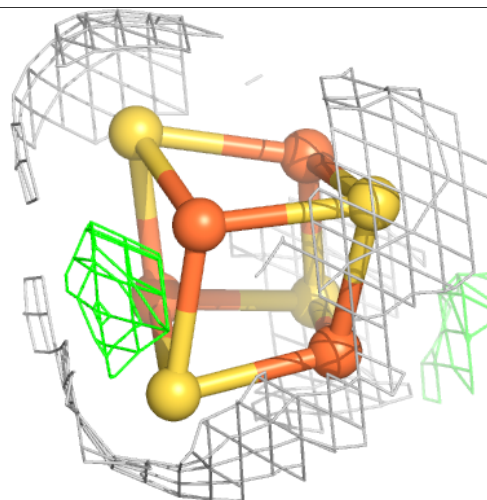
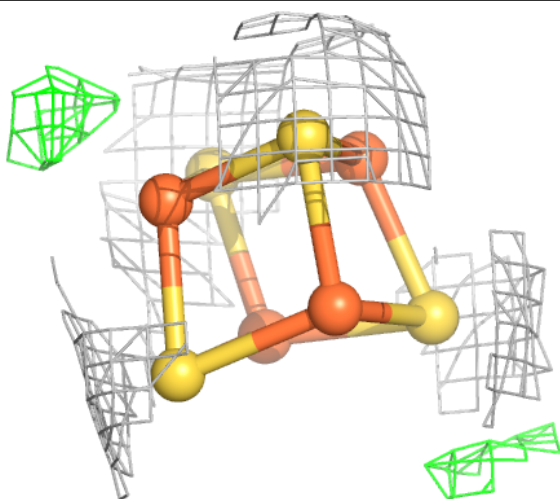
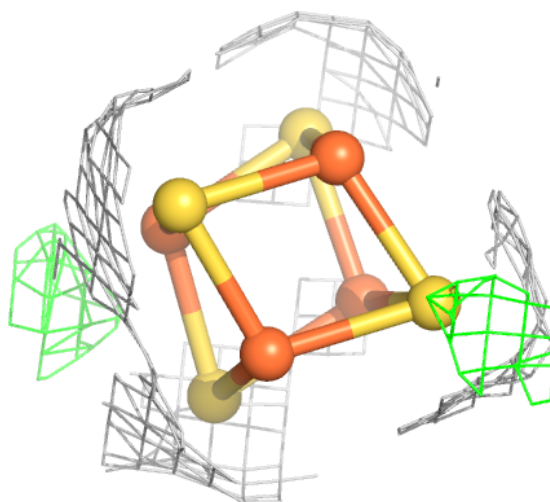
**Electron density around SF4 N 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



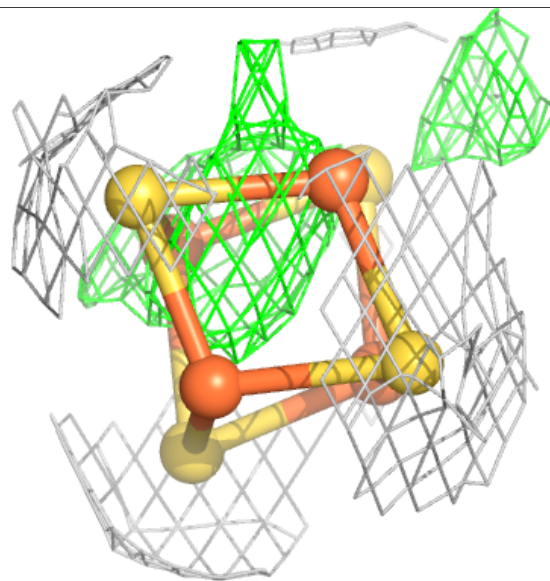
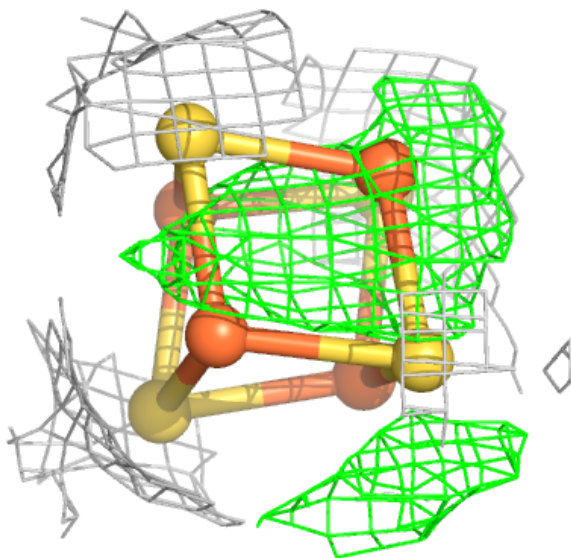
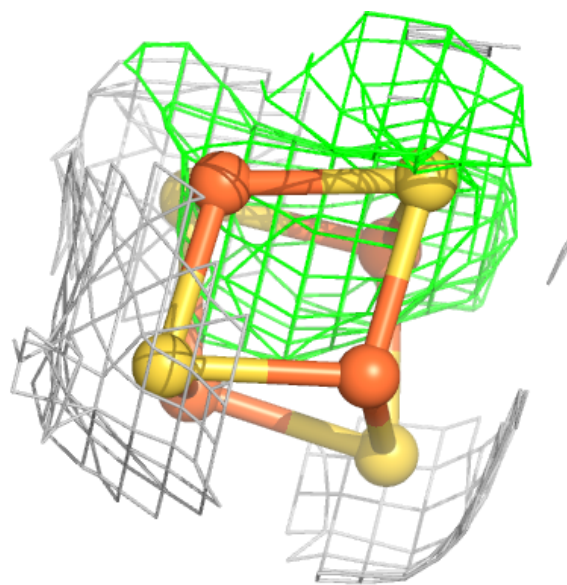
**Electron density around SF4 N 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



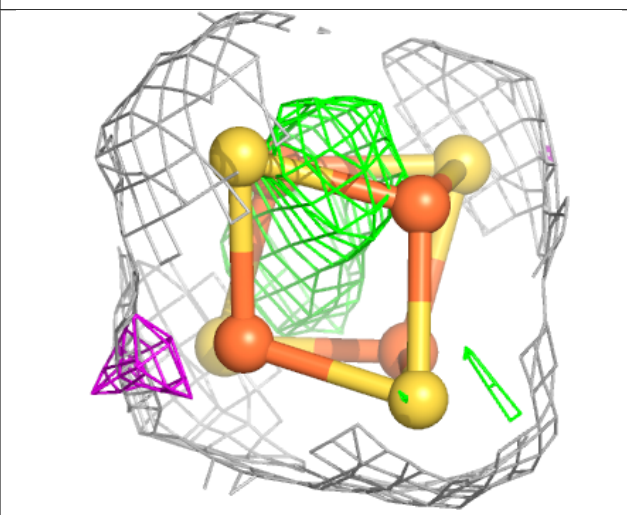
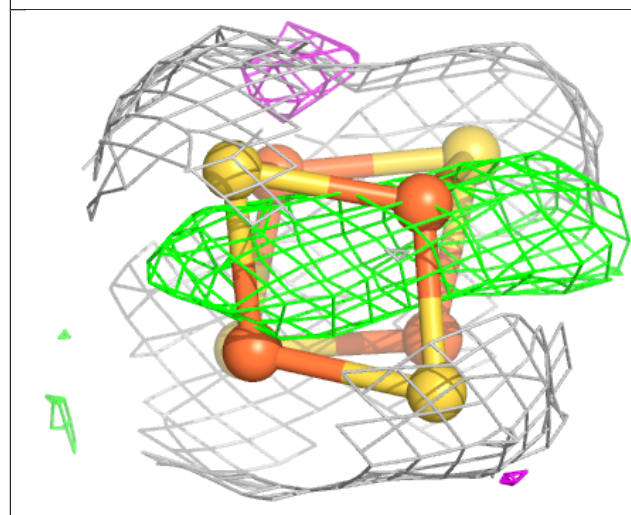
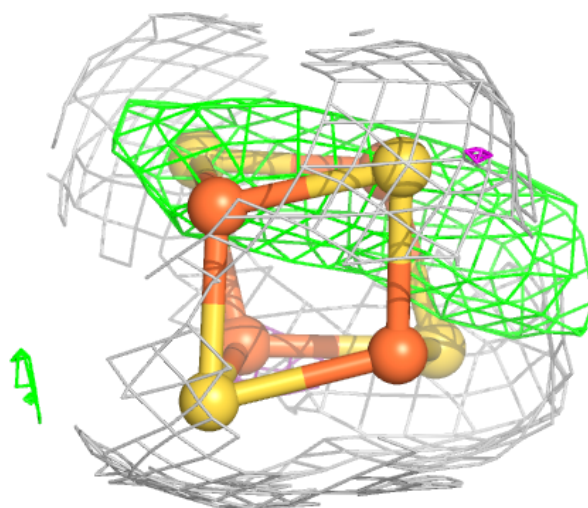
**Electron density around SF4 Y 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



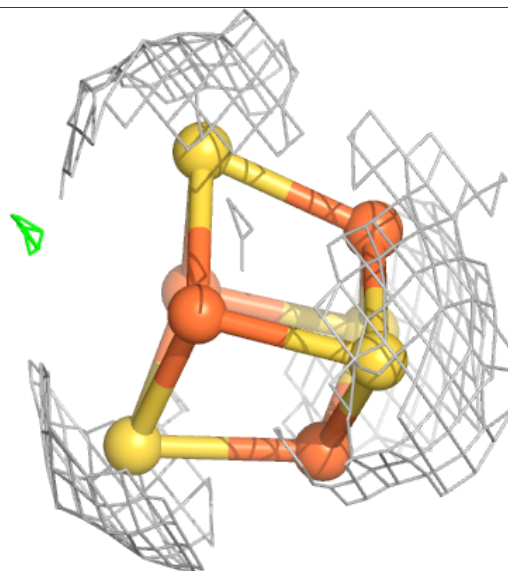
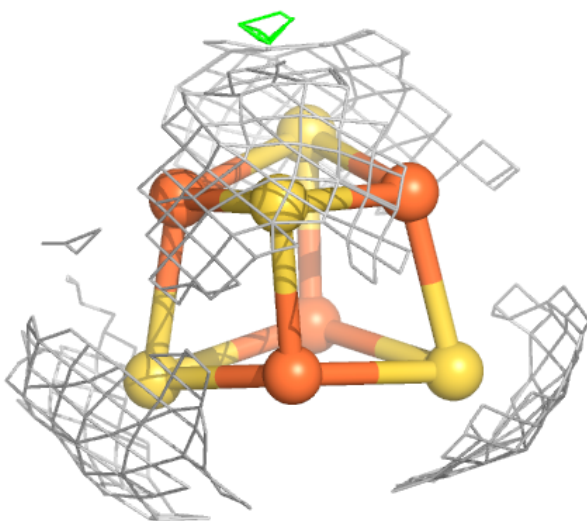
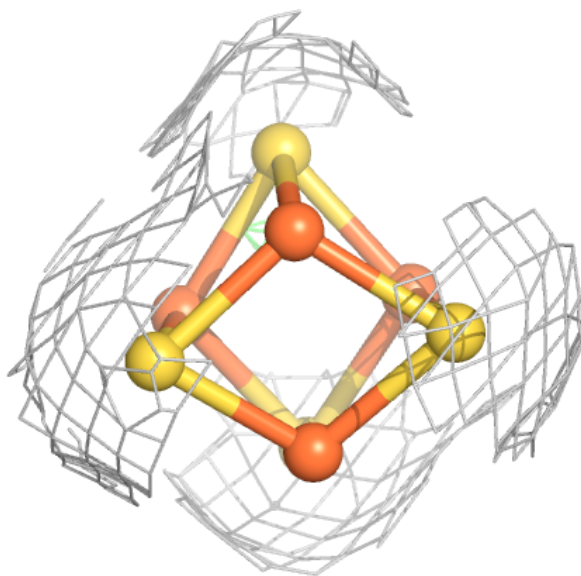
**Electron density around SF4 a 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around SF4 a 102:**

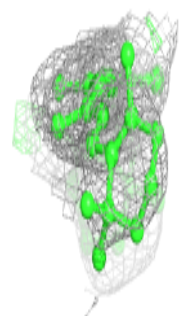
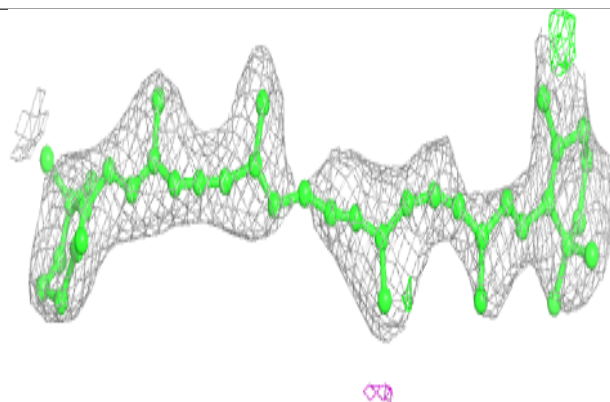
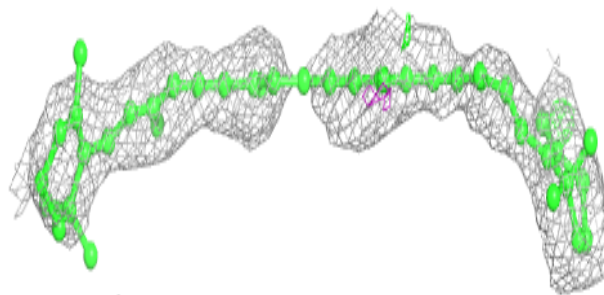
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



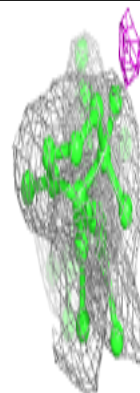
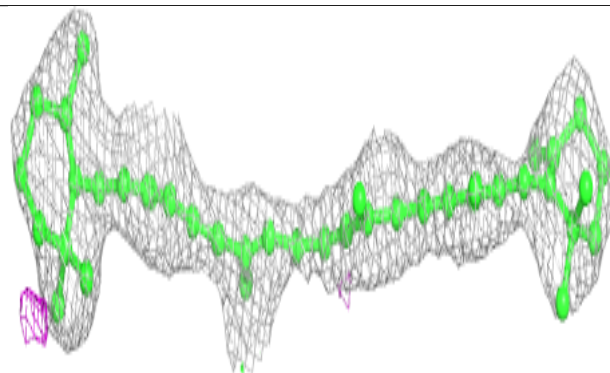
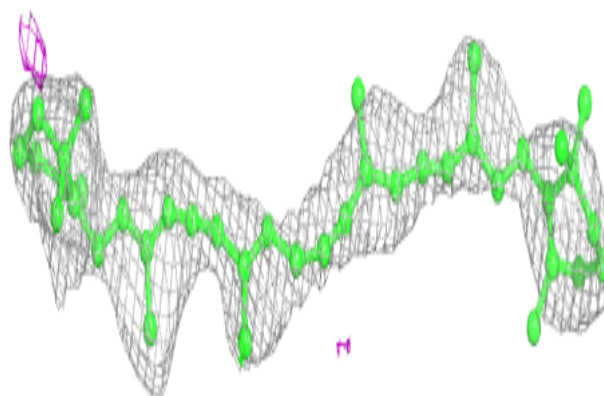


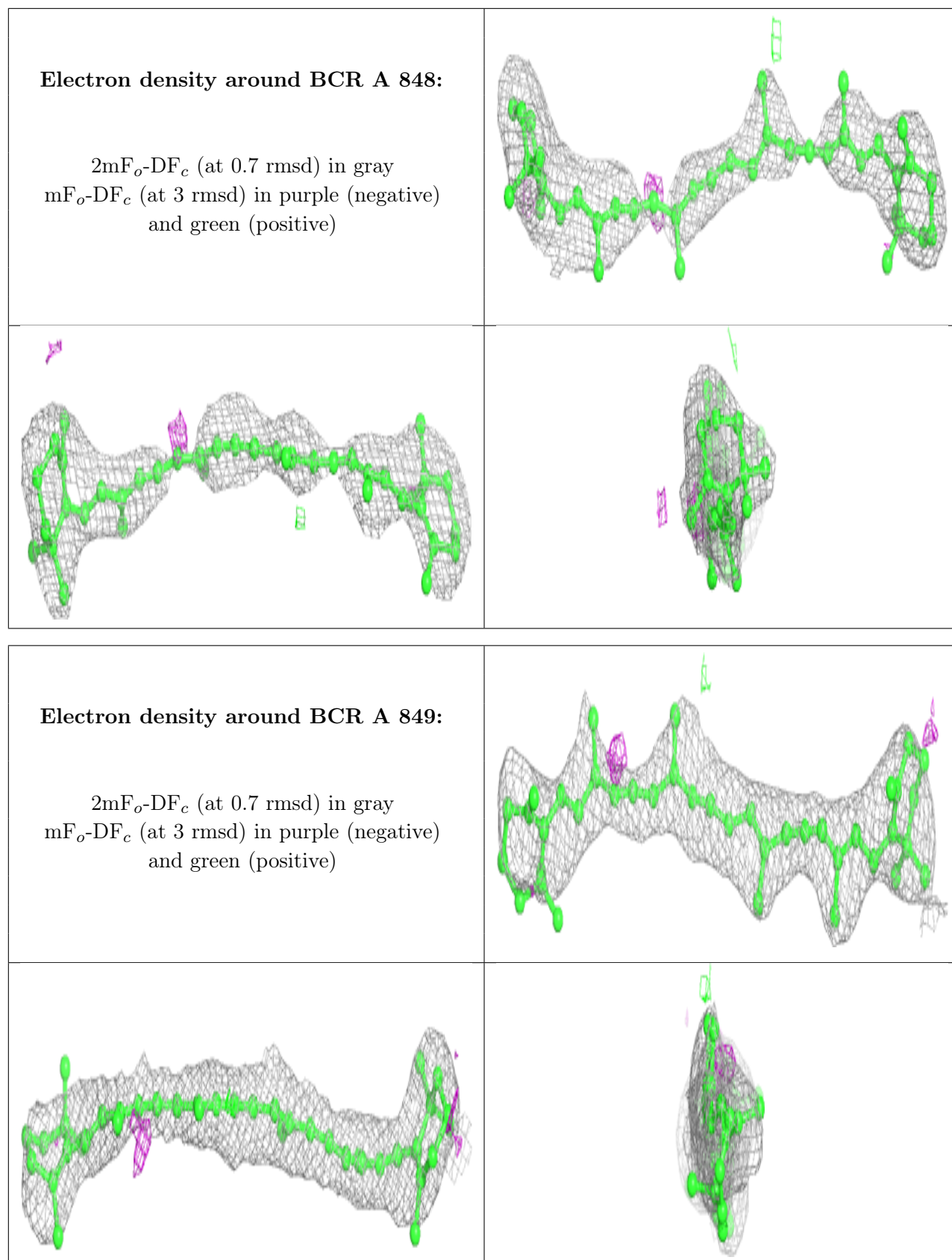
**Electron density around BCR A 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

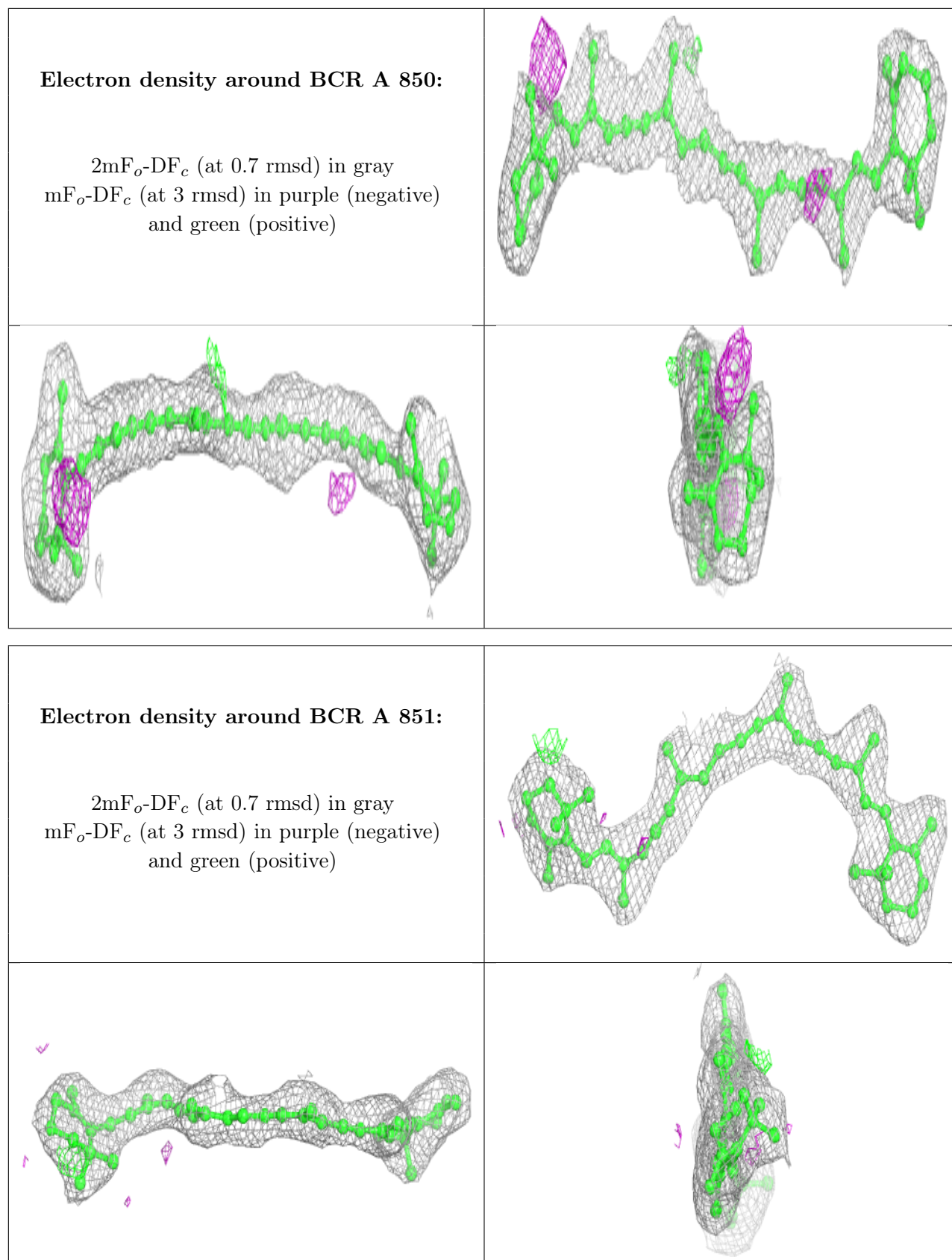
**Electron density around BCR A 847:**

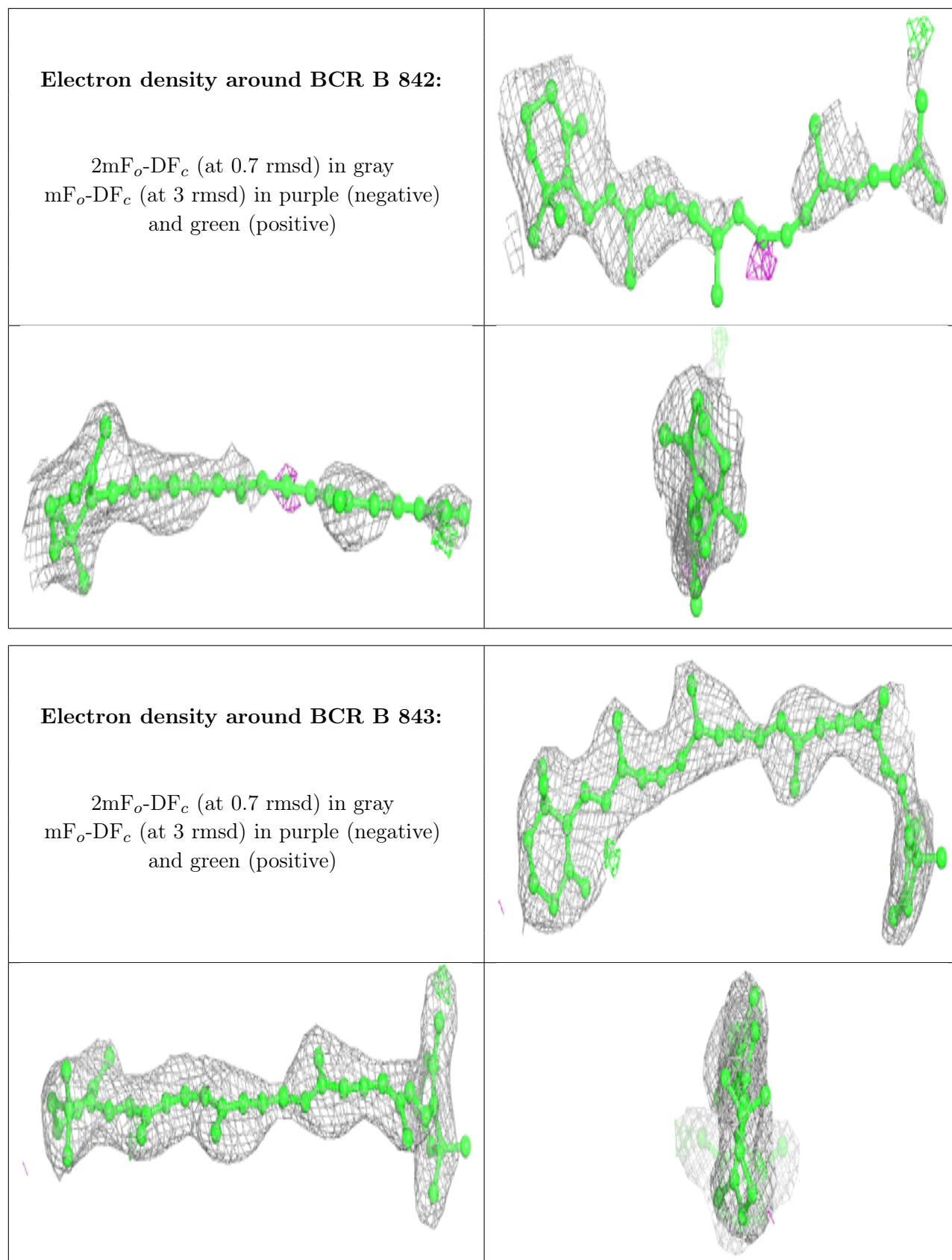
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

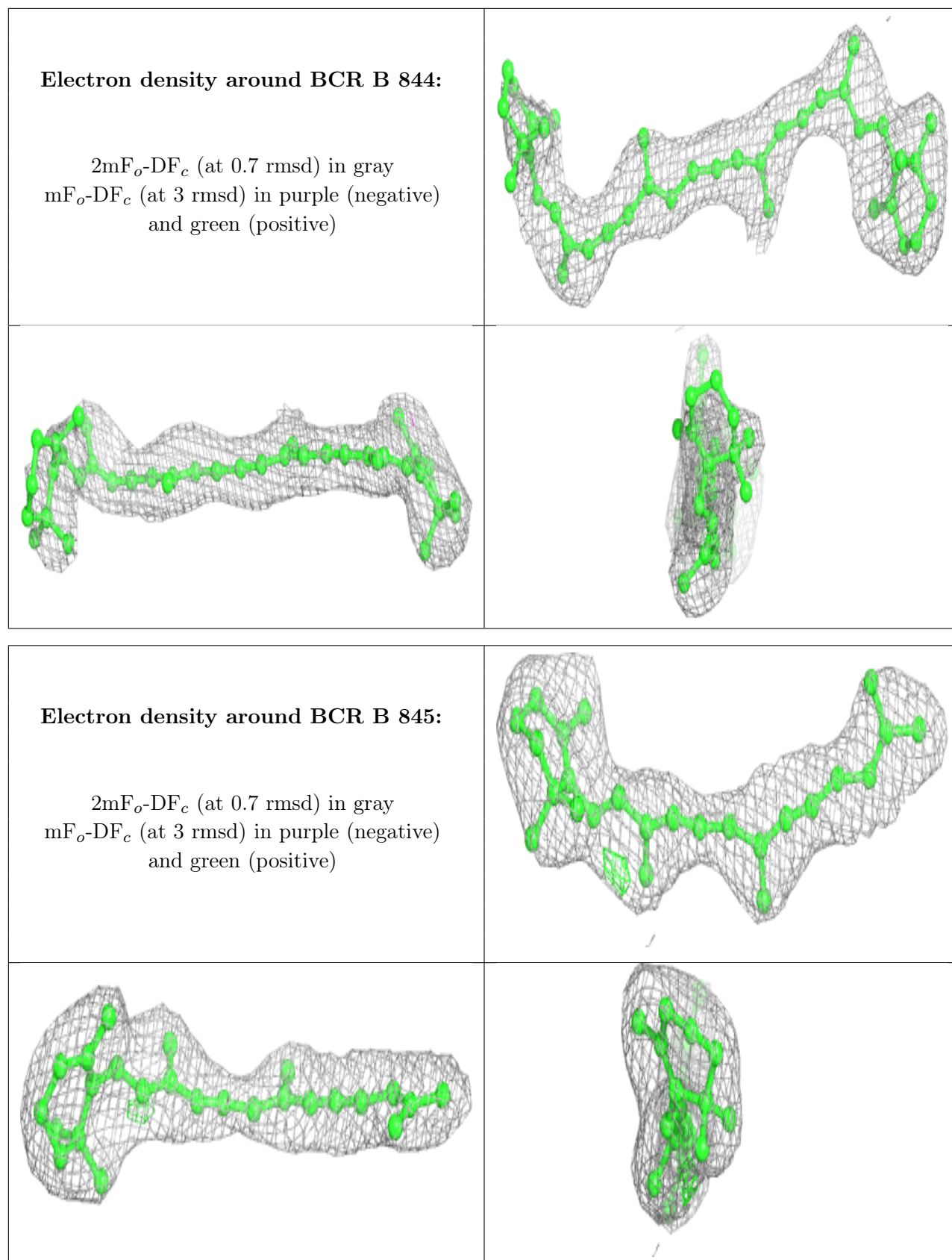


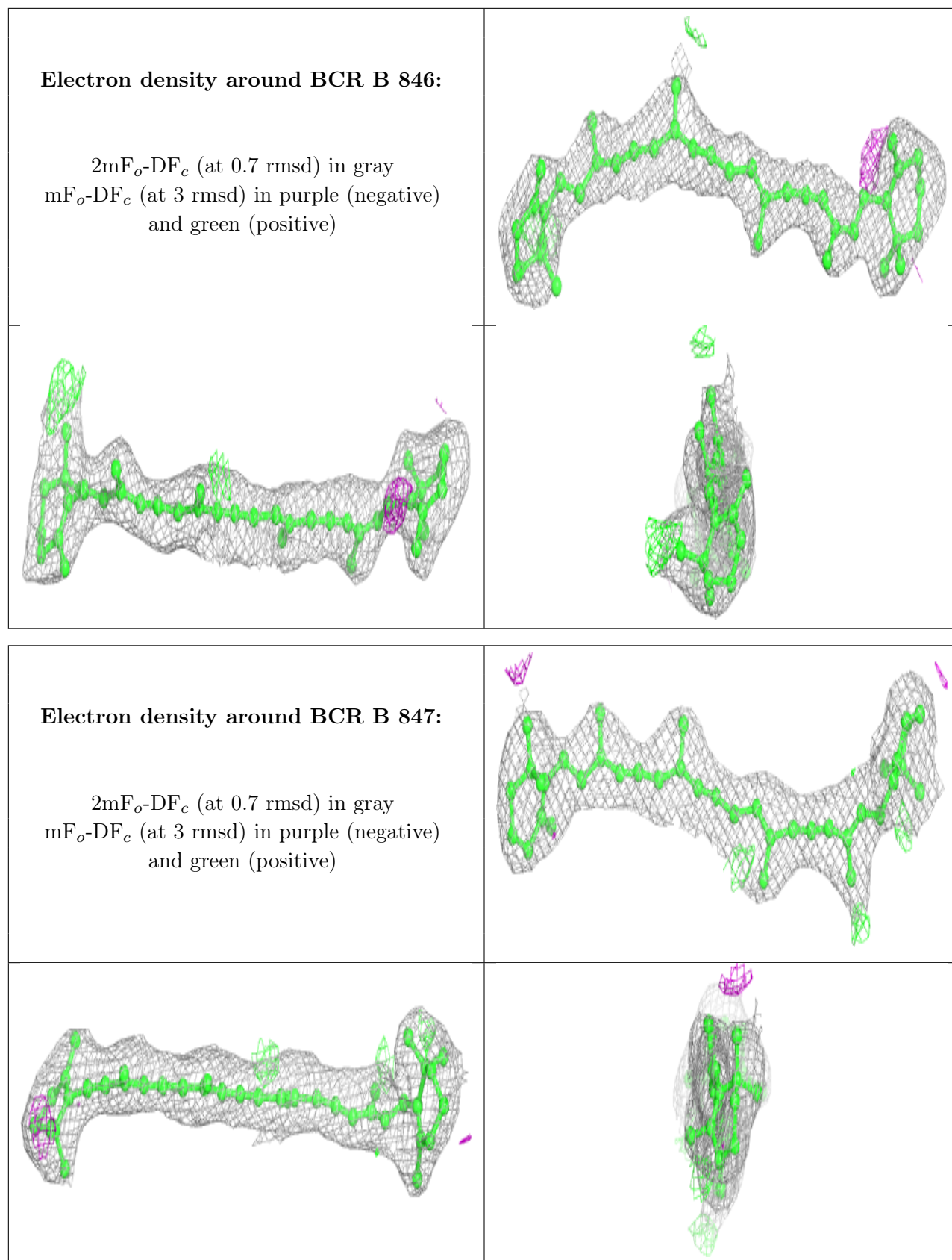




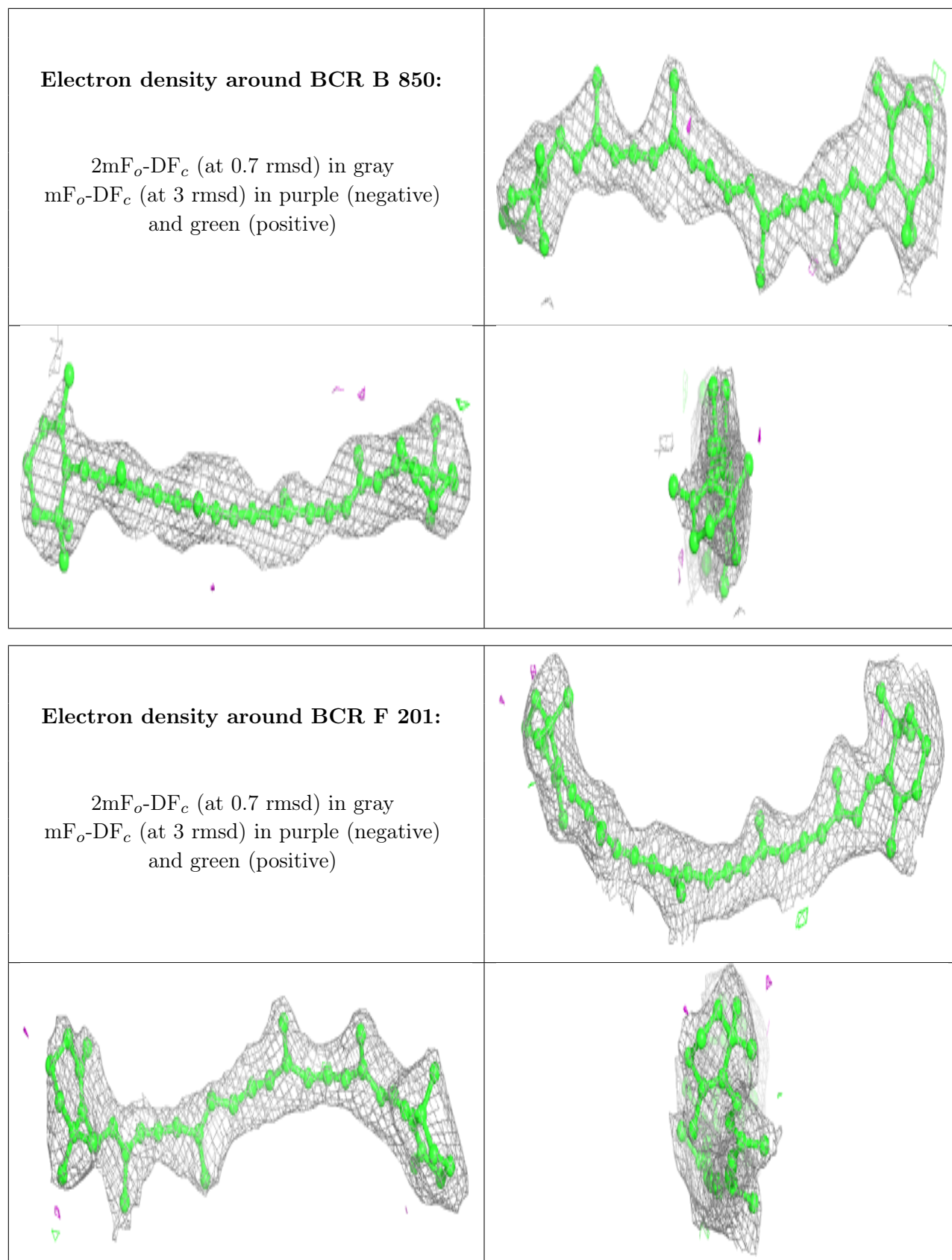






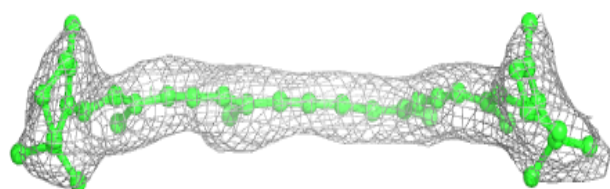
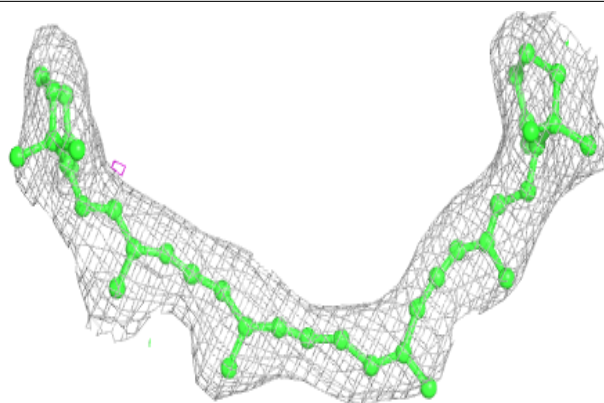




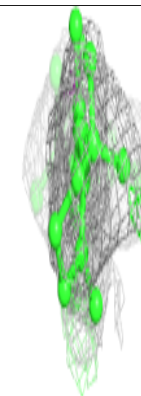
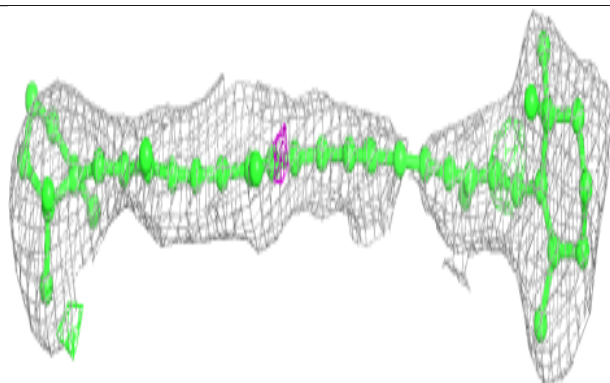
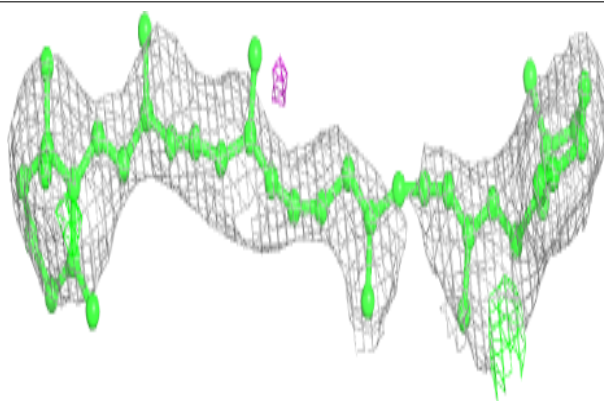


**Electron density around BCR F 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

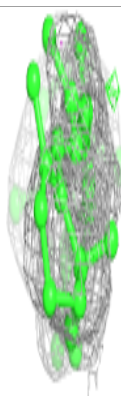
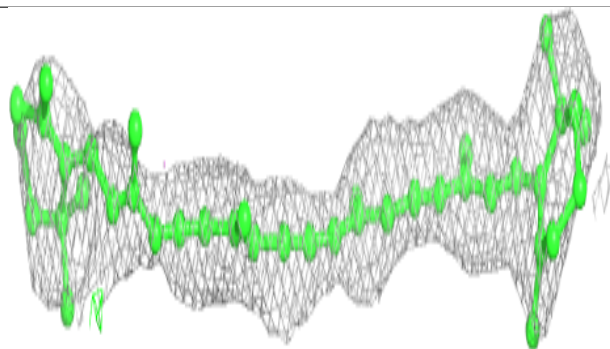
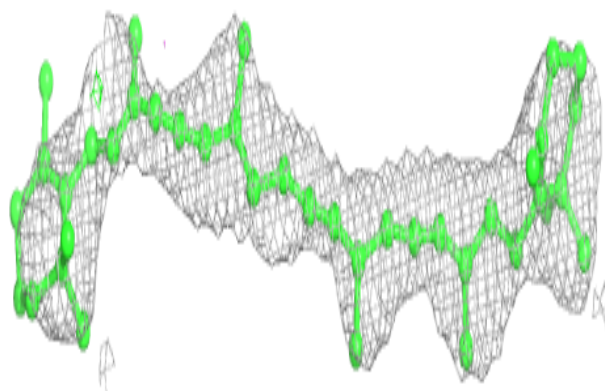
**Electron density around BCR G 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

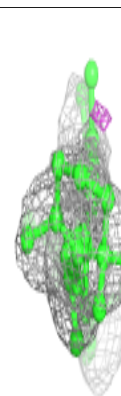
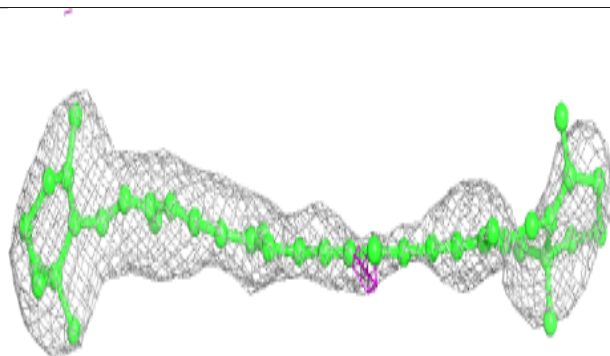
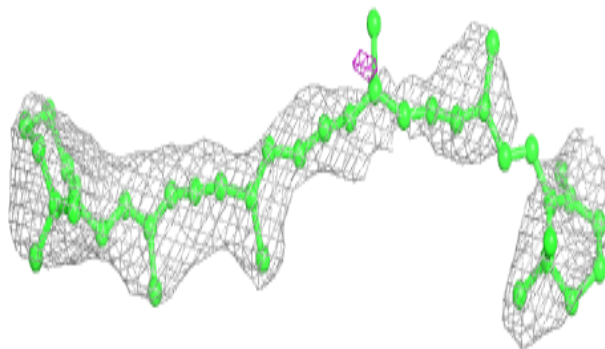


**Electron density around BCR G 846:**

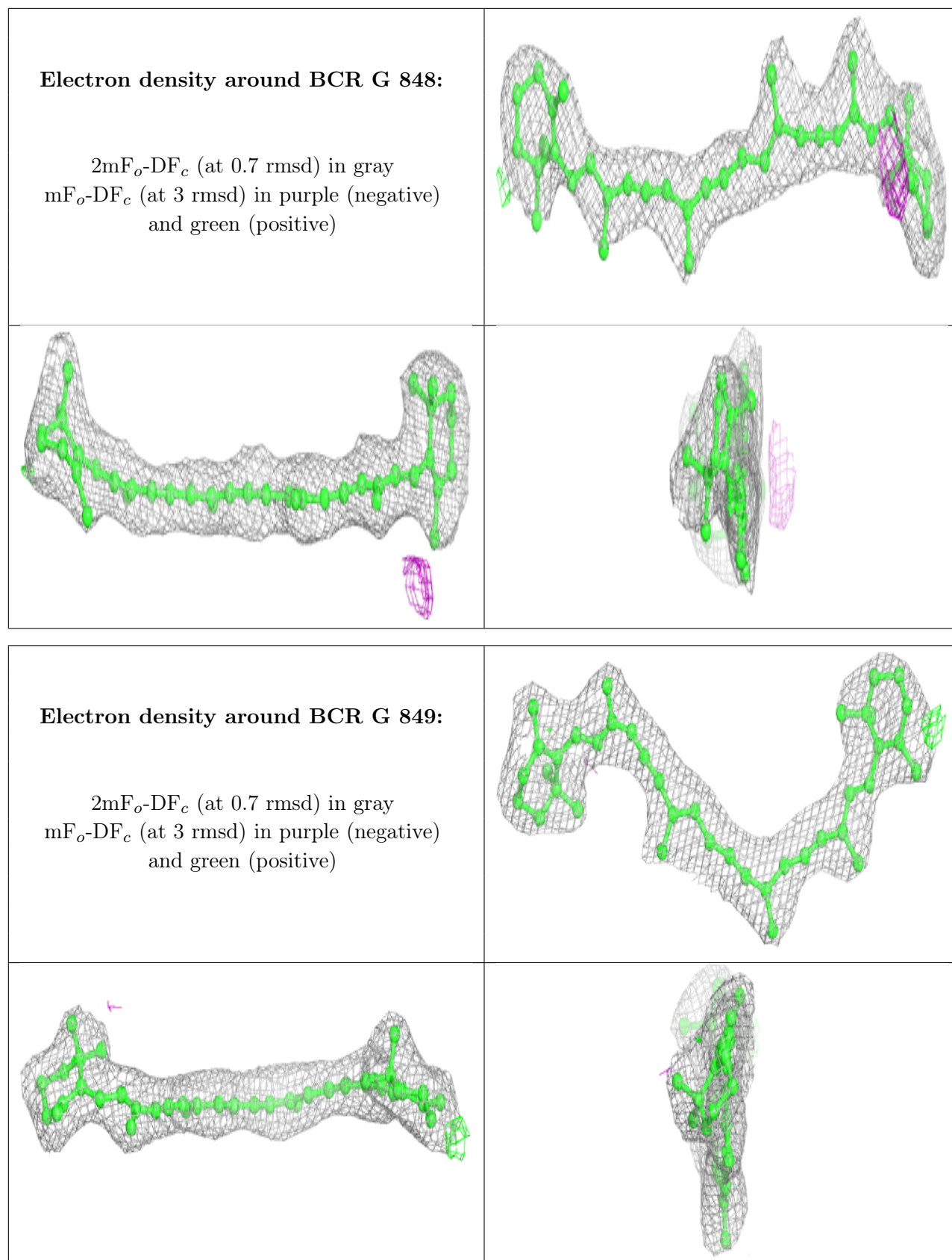
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR G 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

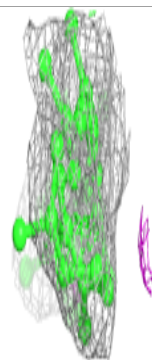
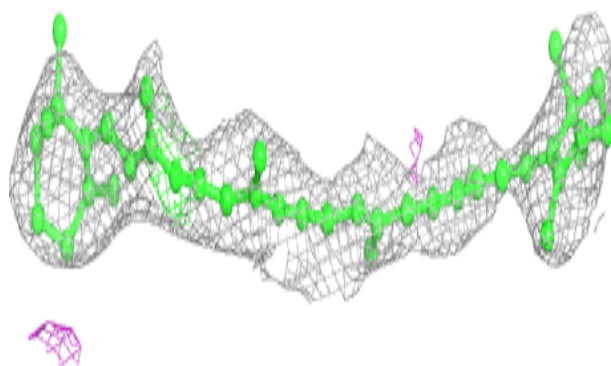
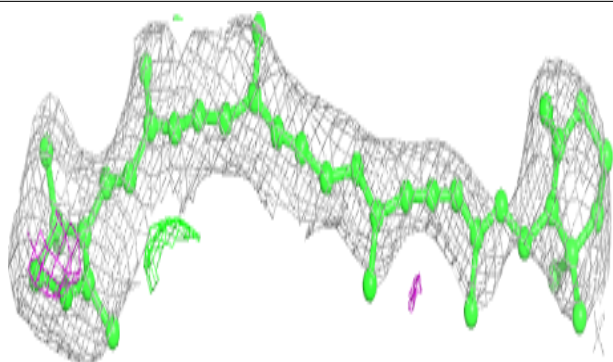




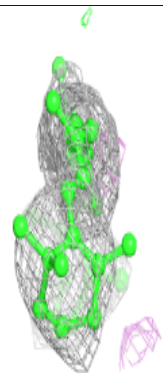
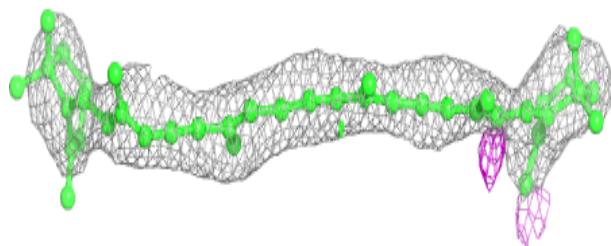
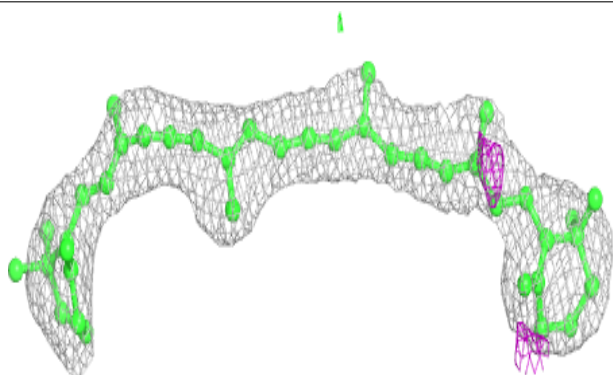


**Electron density around BCR H 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

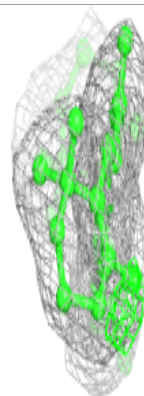
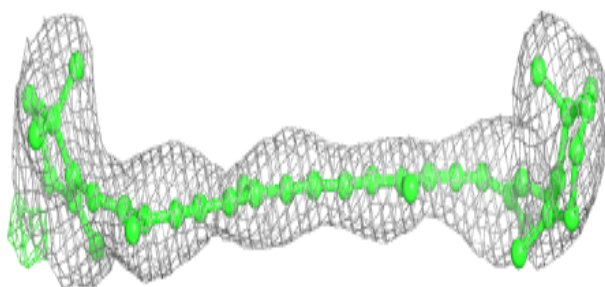
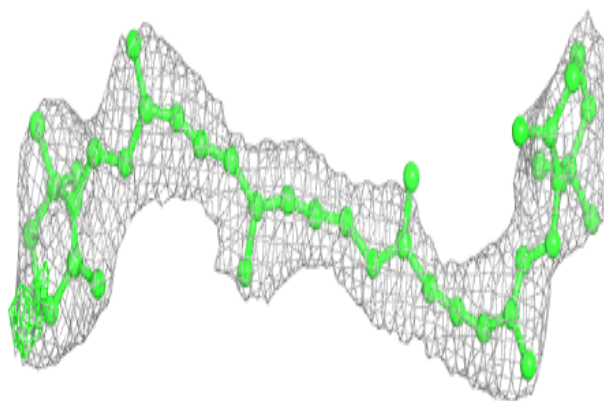
**Electron density around BCR H 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

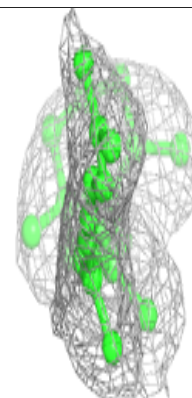
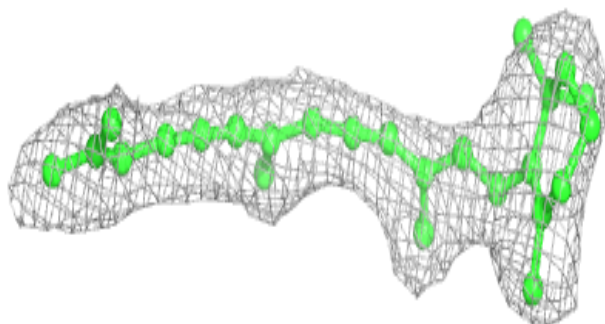
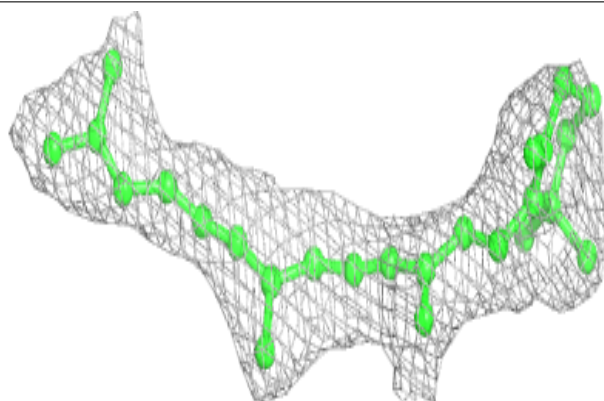


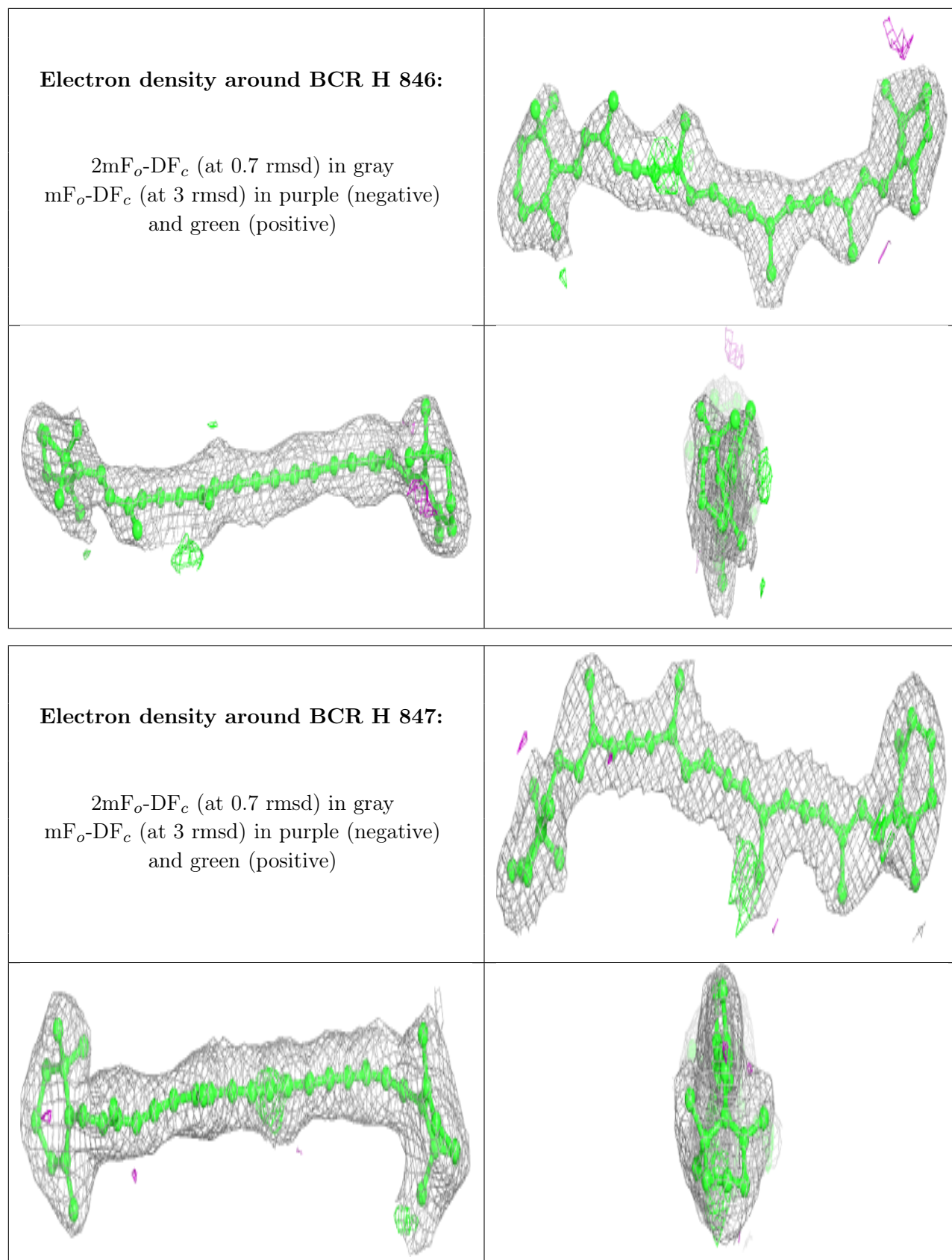
**Electron density around BCR H 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR H 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

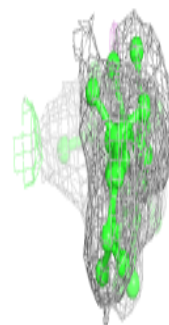
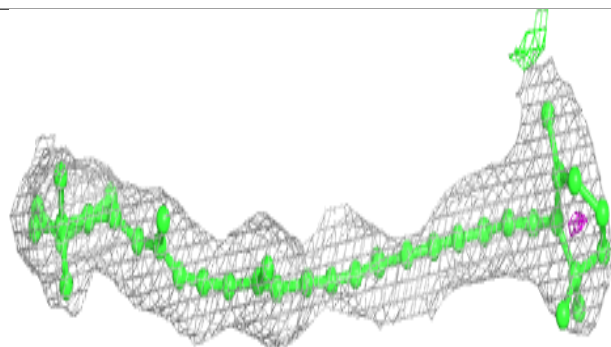
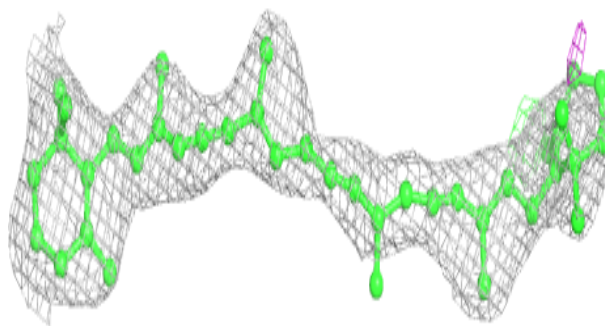




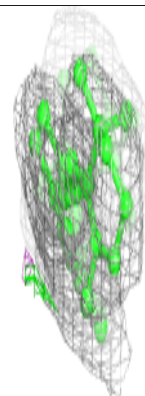
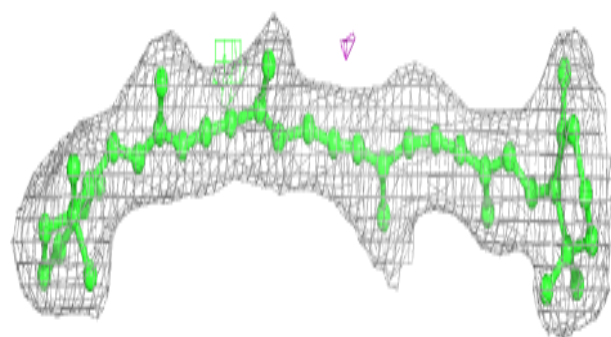
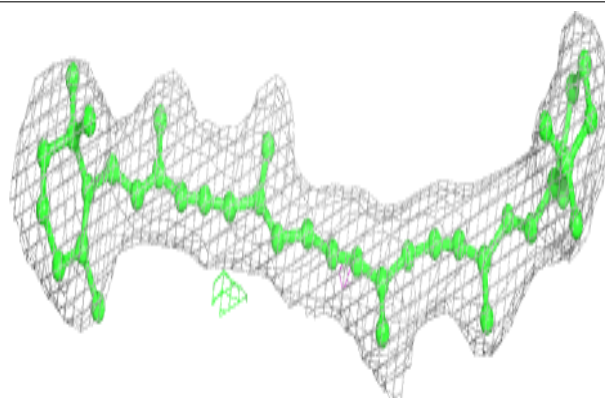


**Electron density around BCR H 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

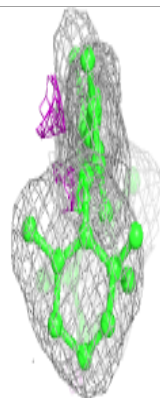
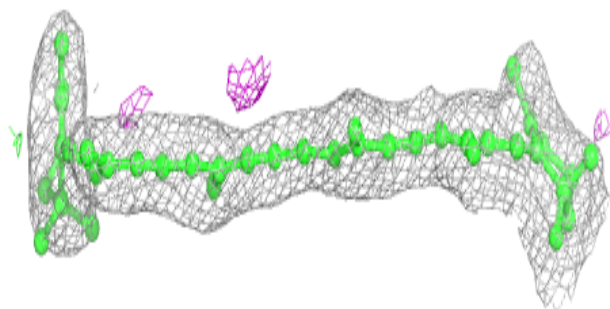
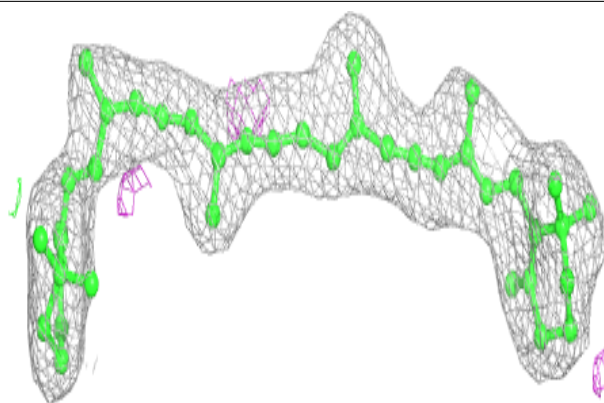
**Electron density around BCR I 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

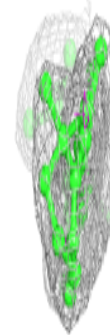
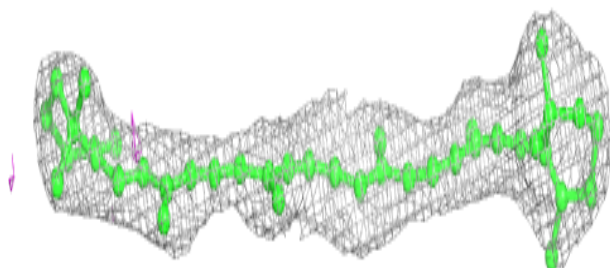
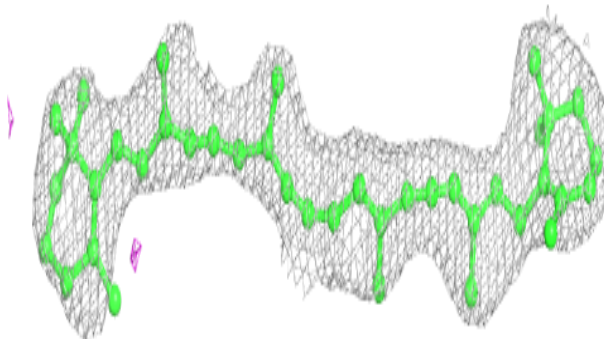


**Electron density around BCR I 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

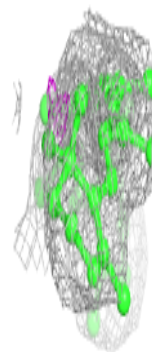
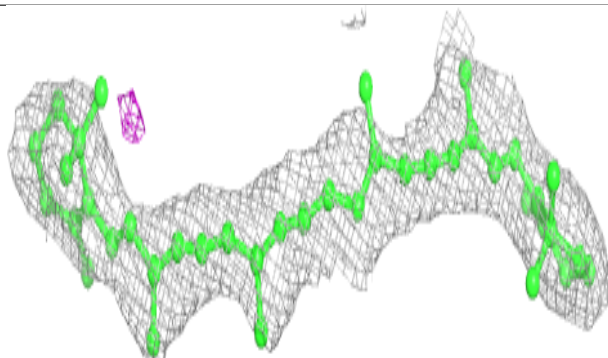
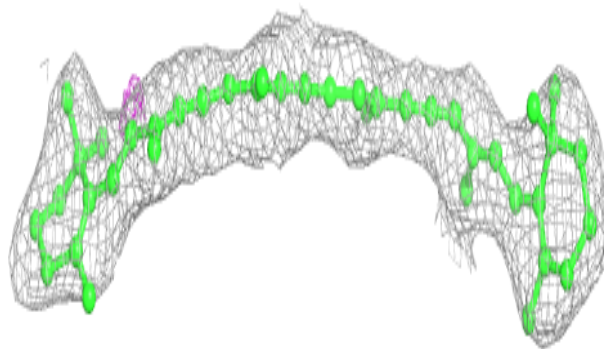
**Electron density around BCR J 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

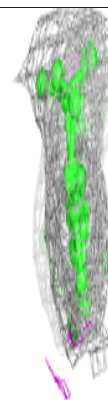
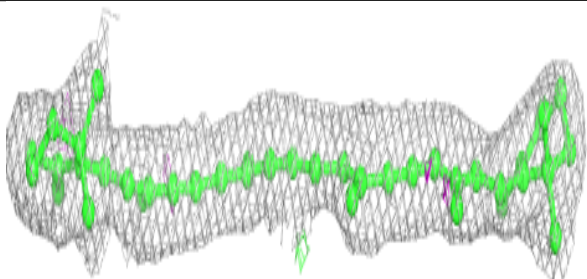
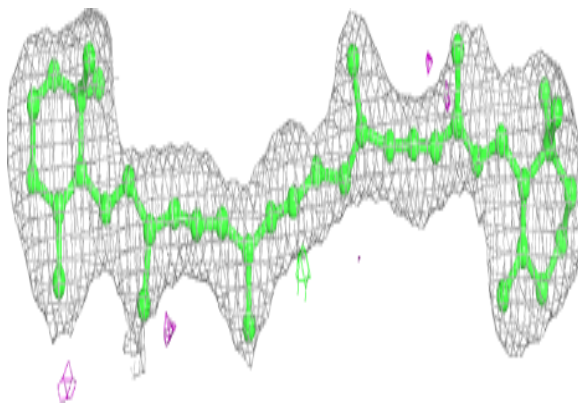


**Electron density around BCR J 104:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L 207:**

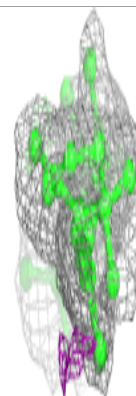
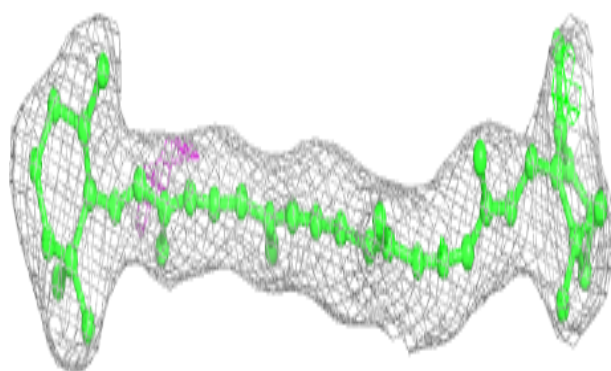
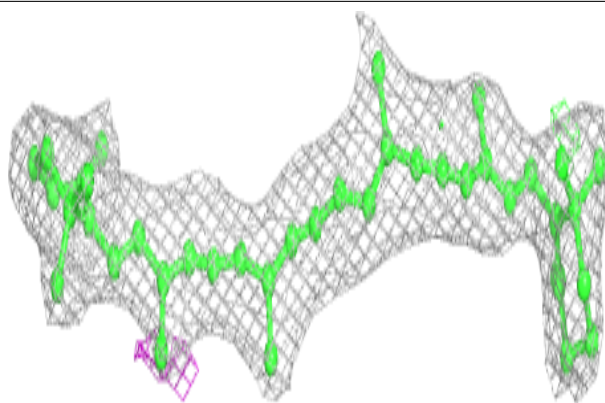
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



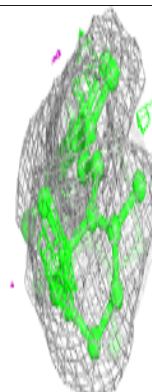
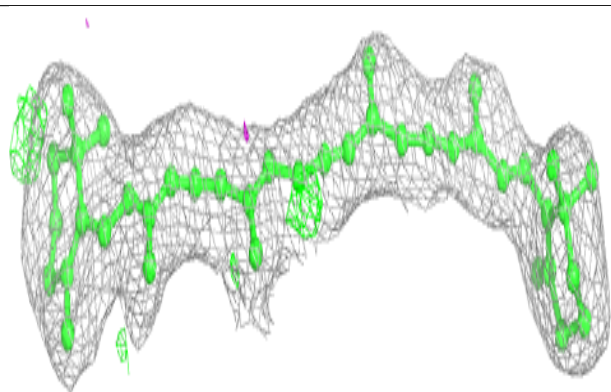
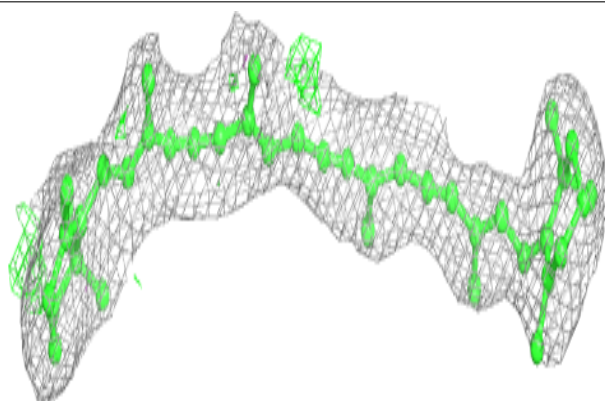


**Electron density around BCR L 208:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

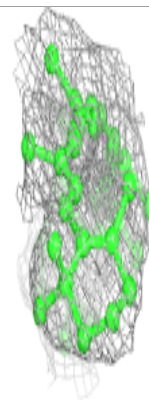
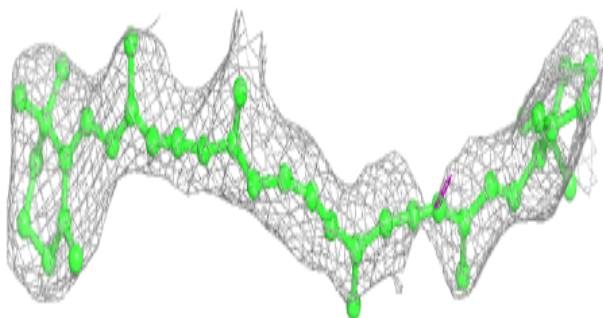
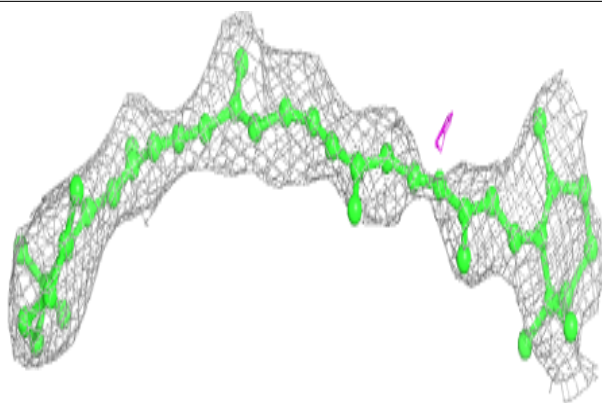
**Electron density around BCR M 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

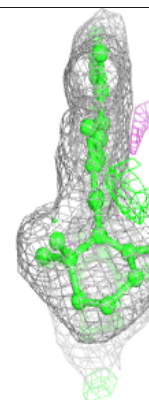
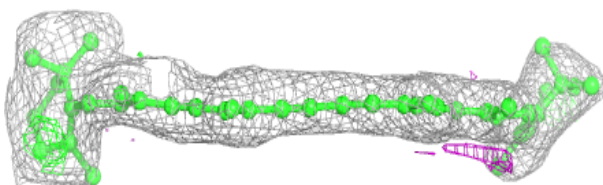
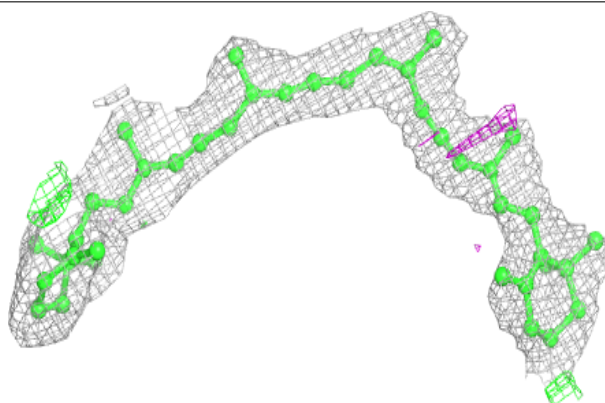


**Electron density around BCR Q 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

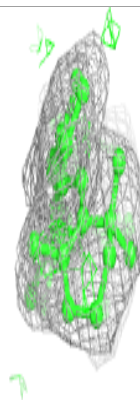
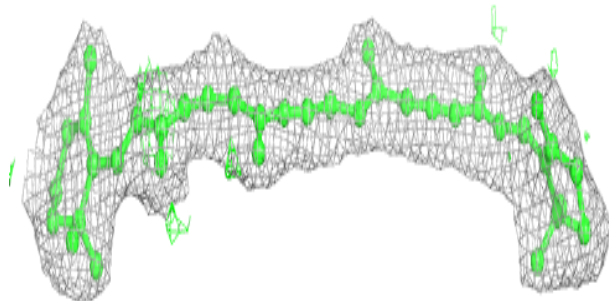
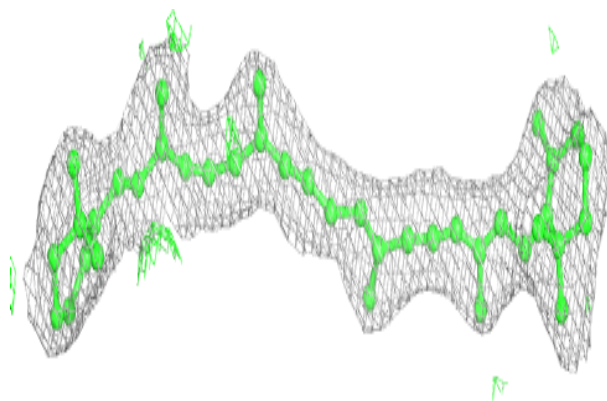
**Electron density around BCR Q 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

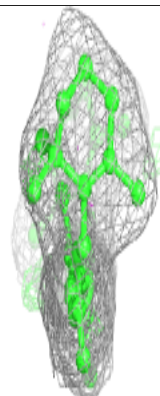
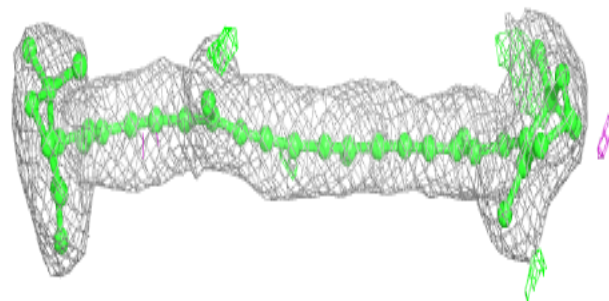
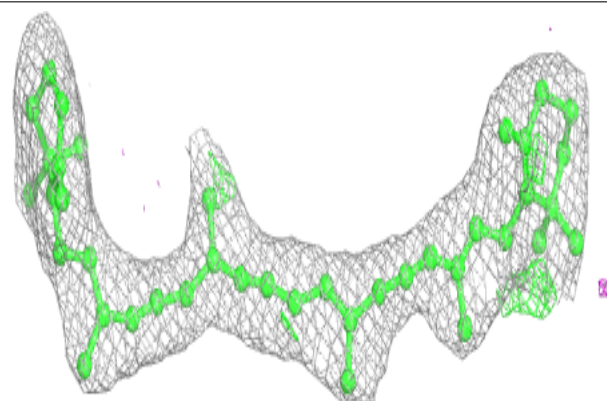


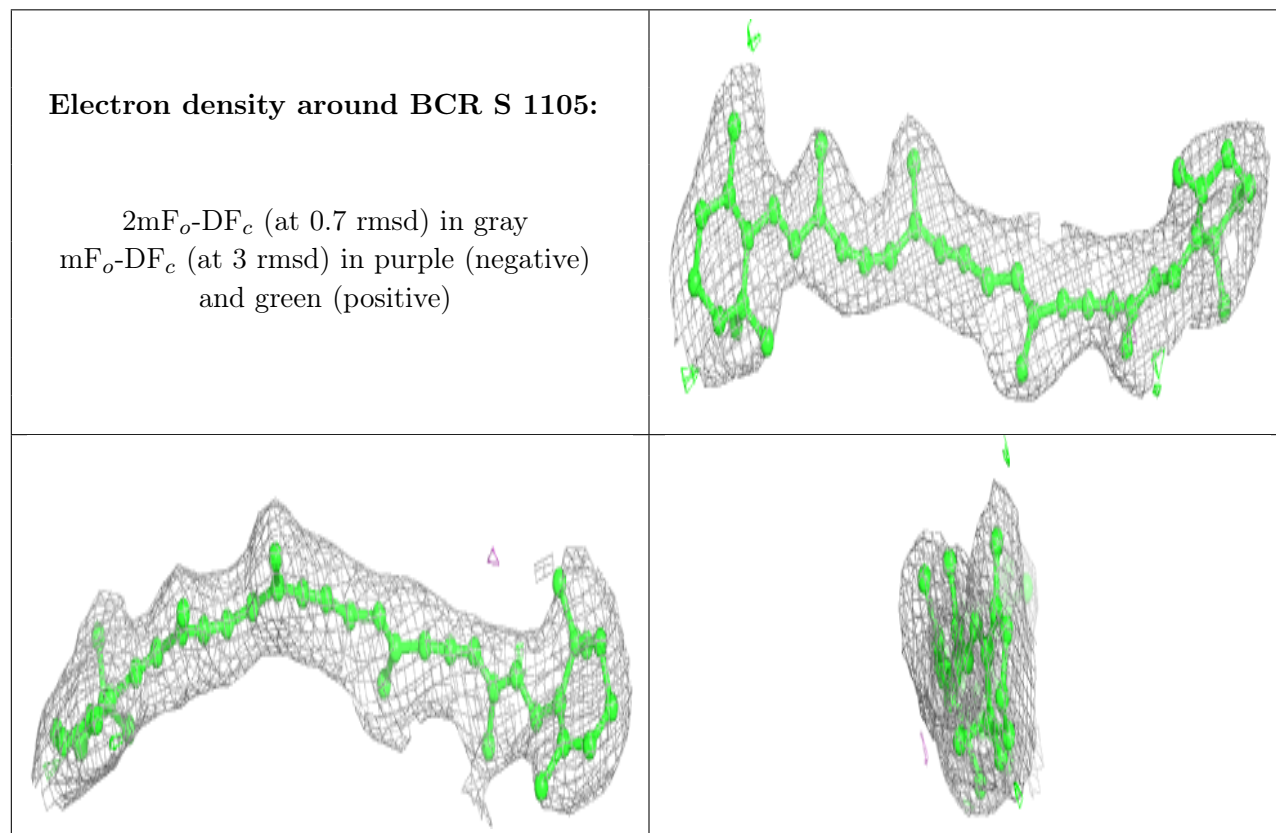
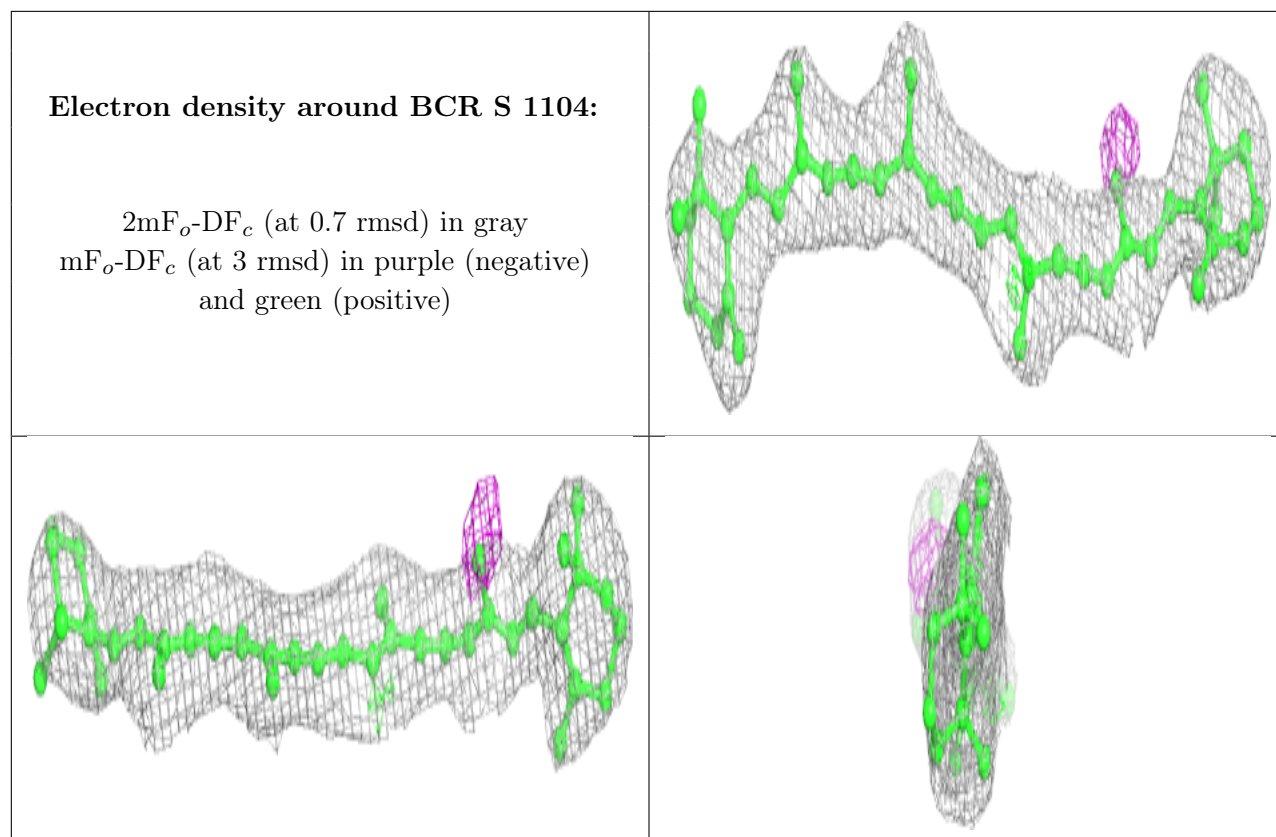
**Electron density around BCR R 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

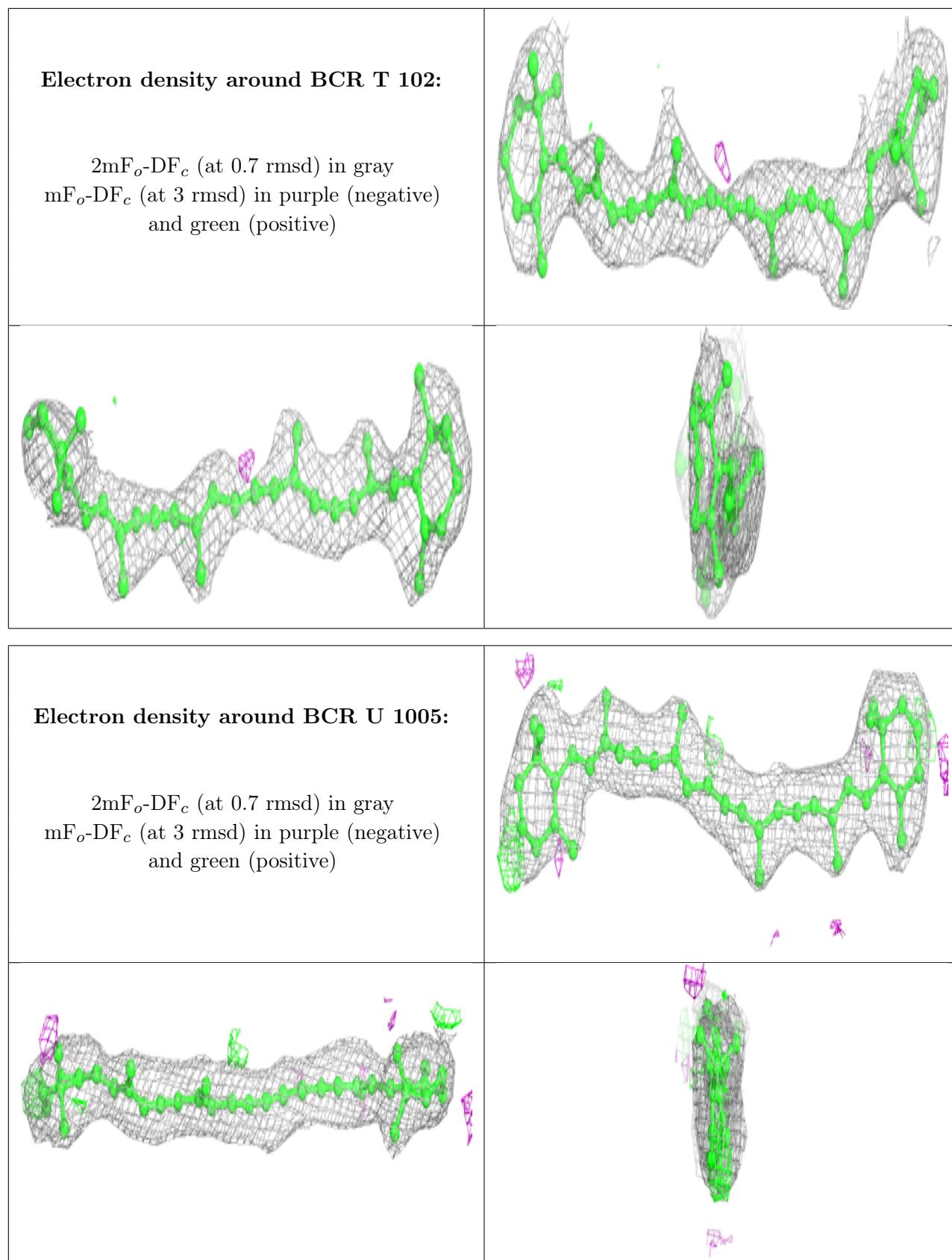
**Electron density around BCR R 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



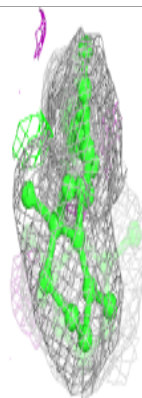
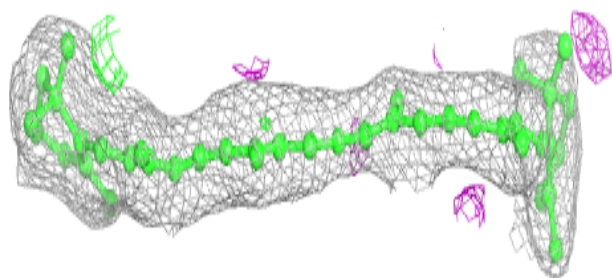
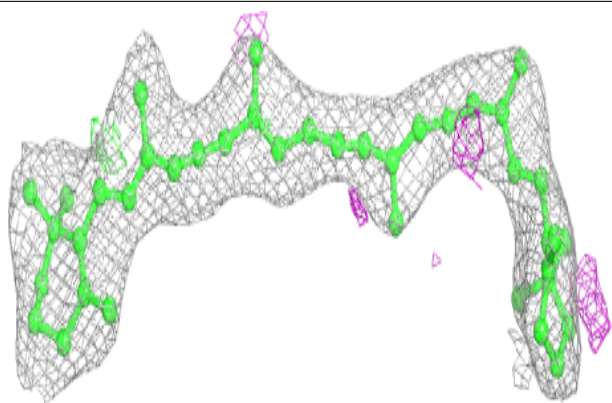




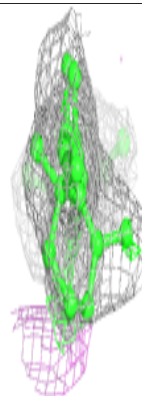
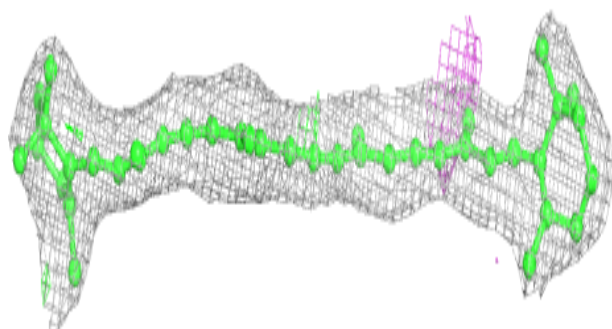
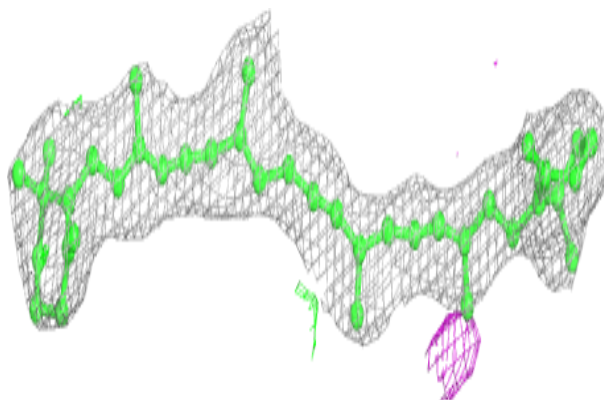


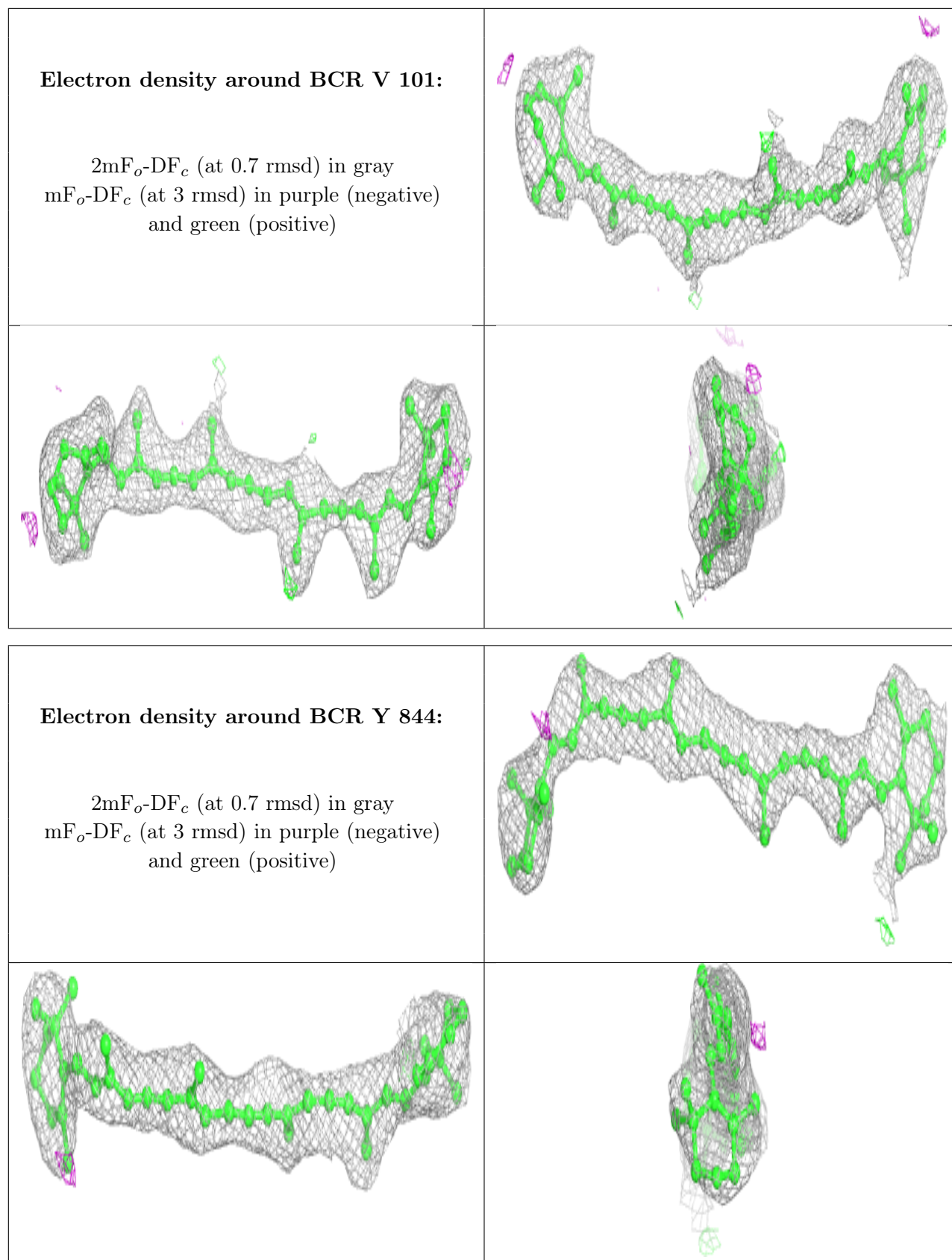
**Electron density around BCR U 1008:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

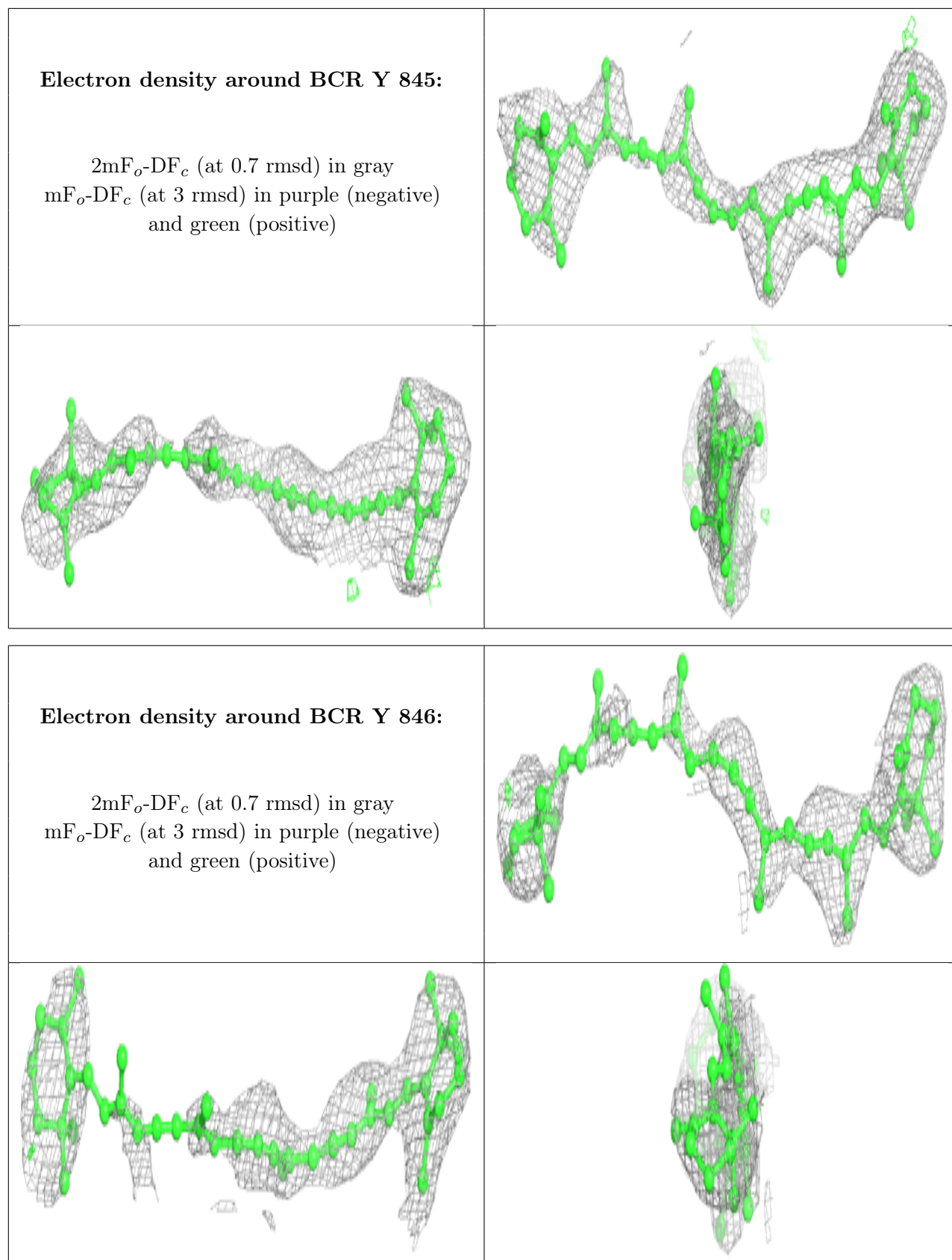
**Electron density around BCR U 1009:**

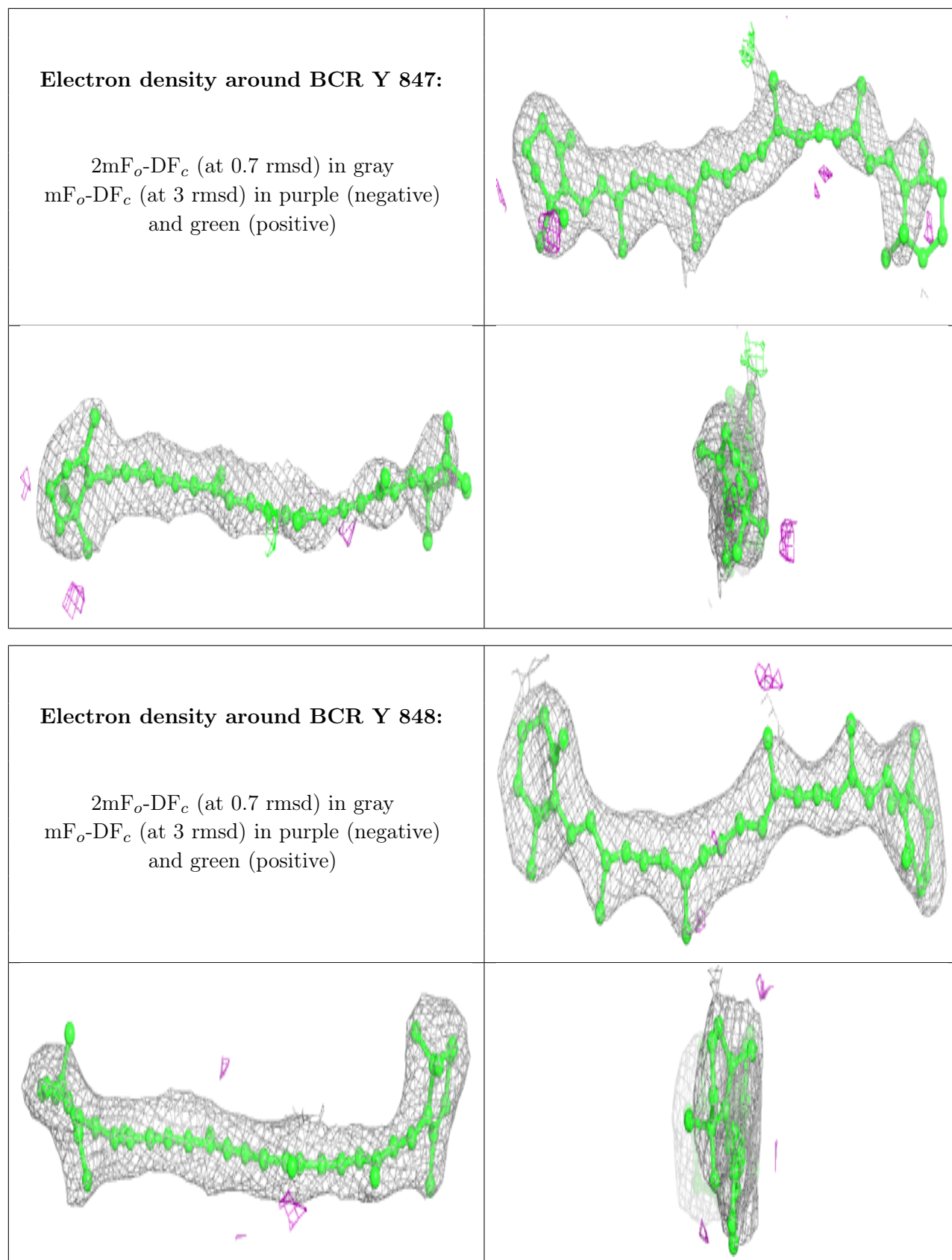
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

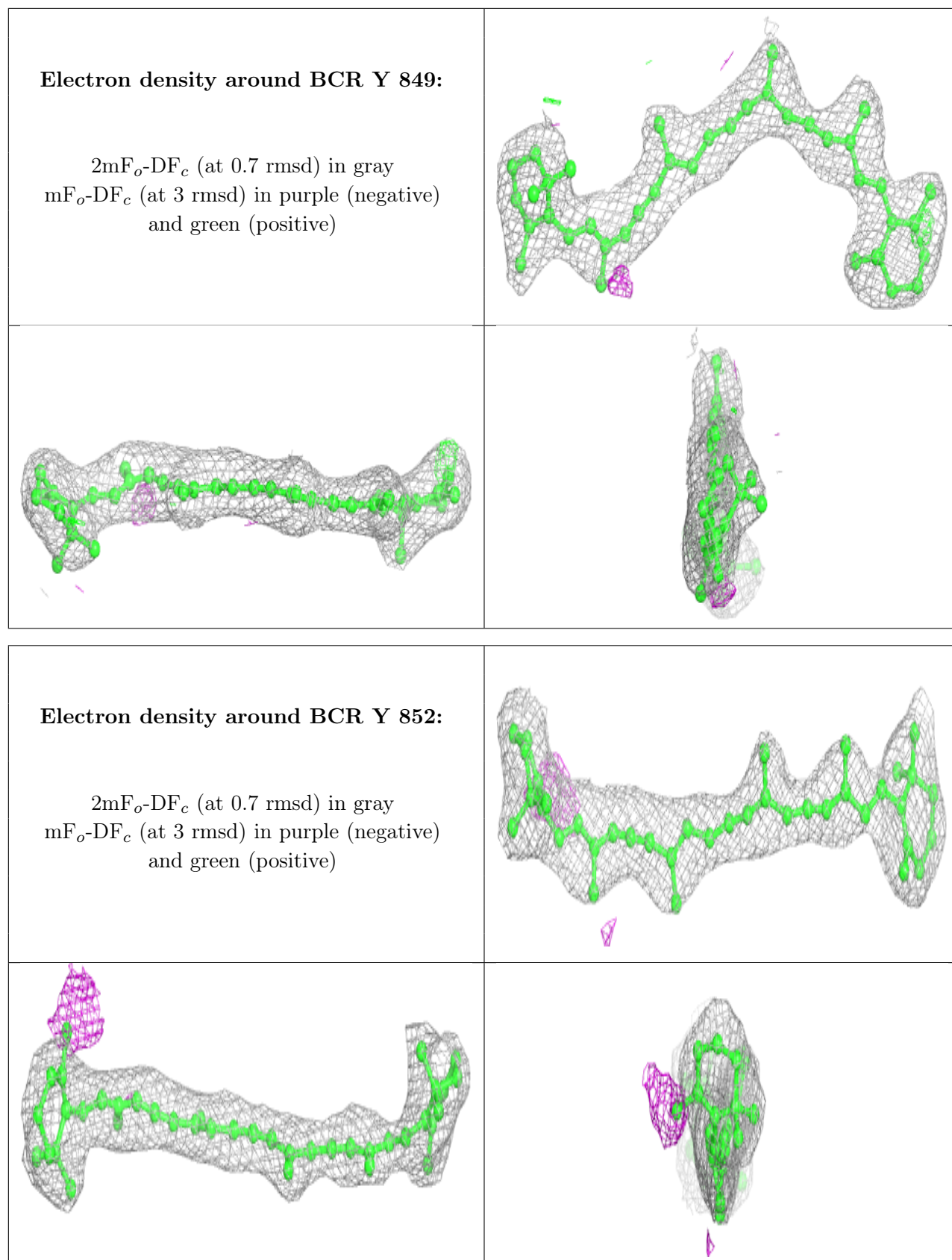


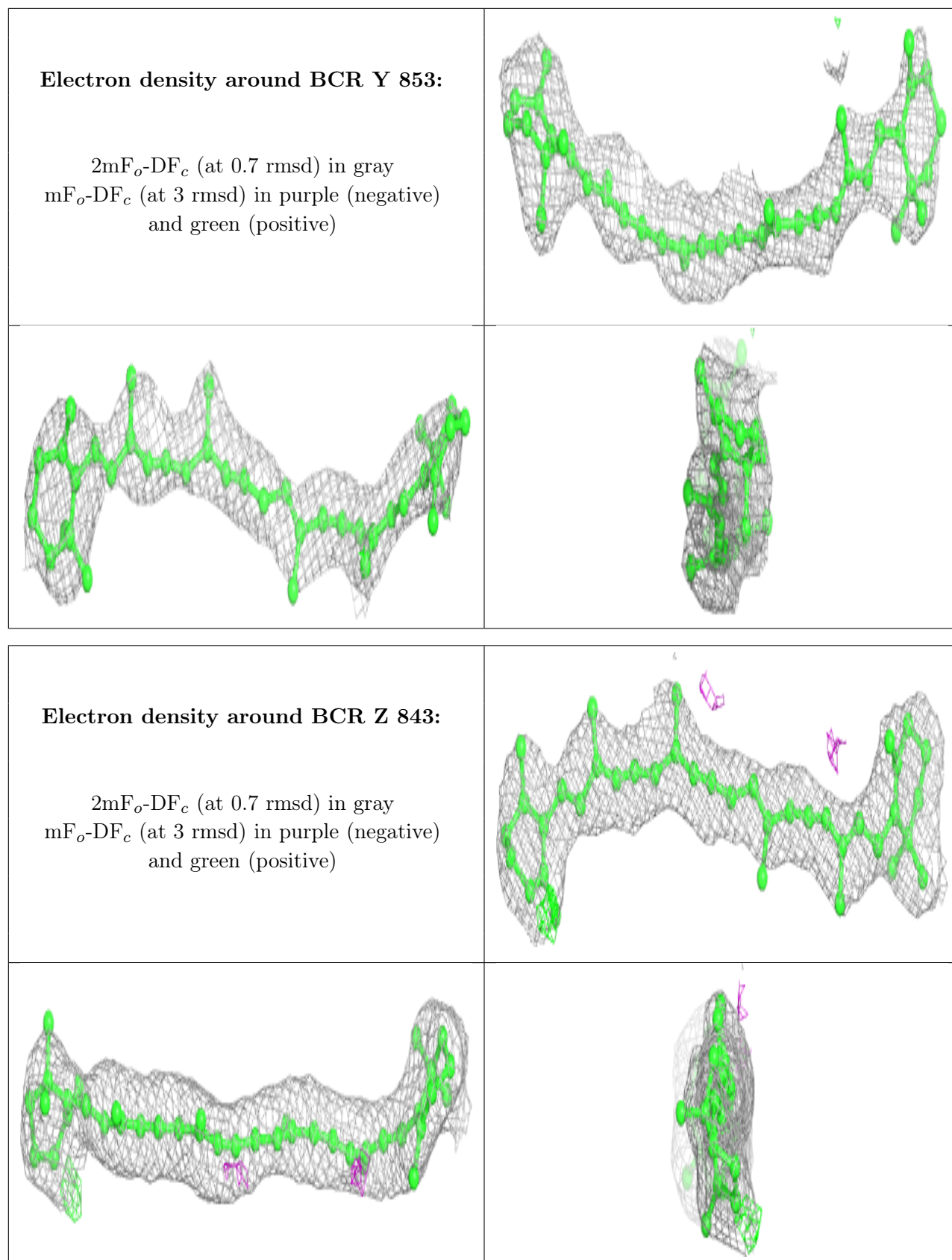








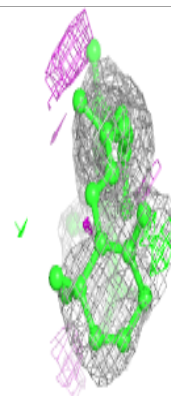
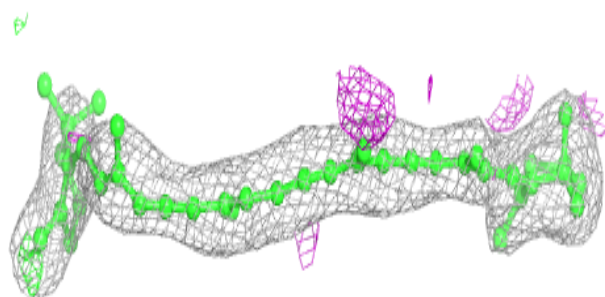
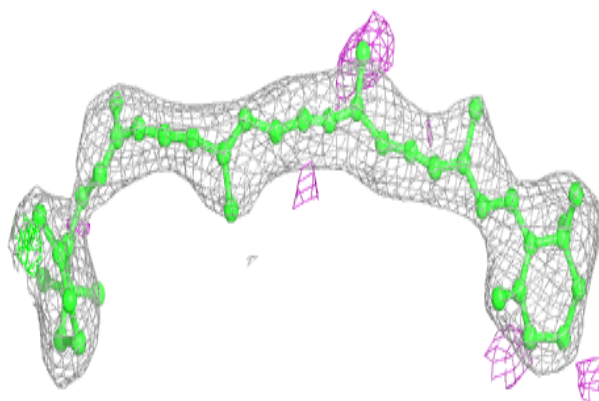




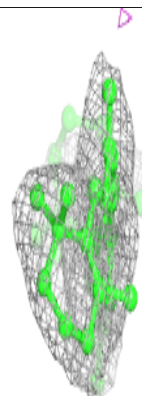
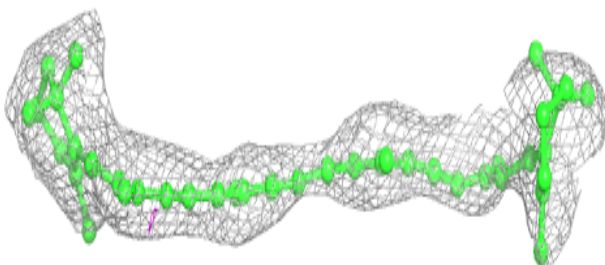
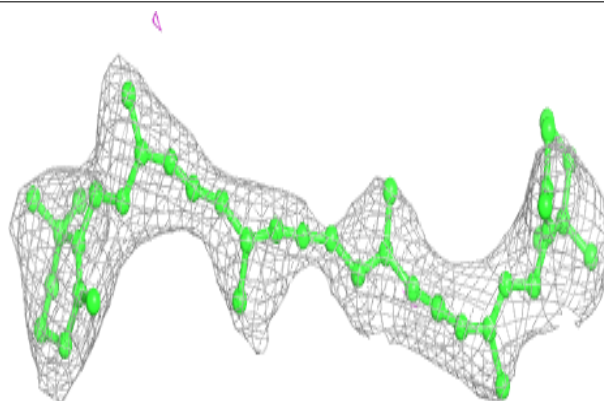


**Electron density around BCR Z 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

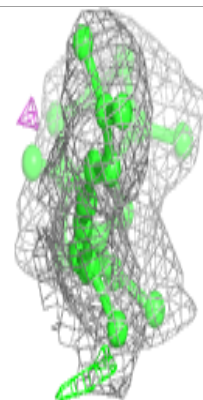
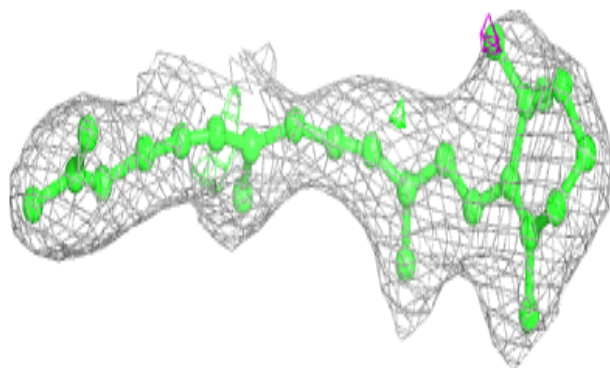
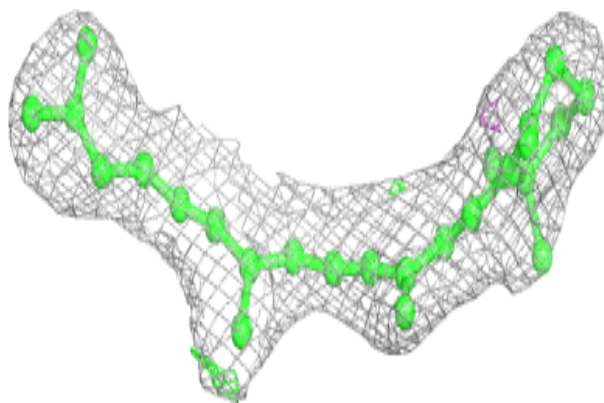
**Electron density around BCR Z 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

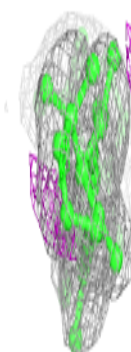
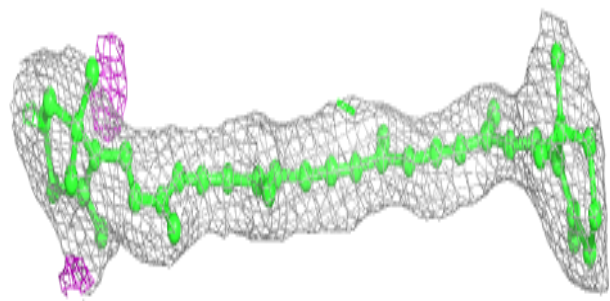
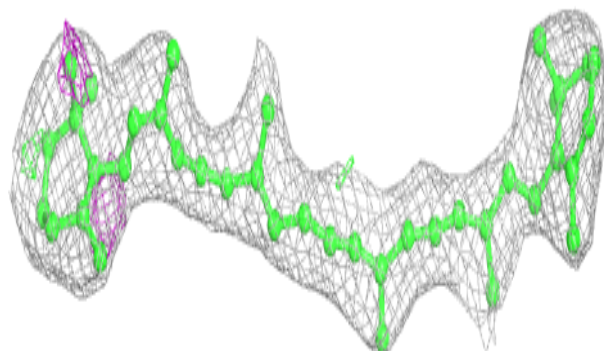


**Electron density around BCR Z 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

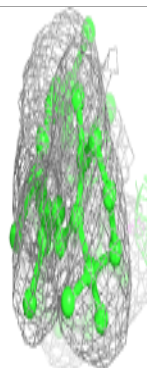
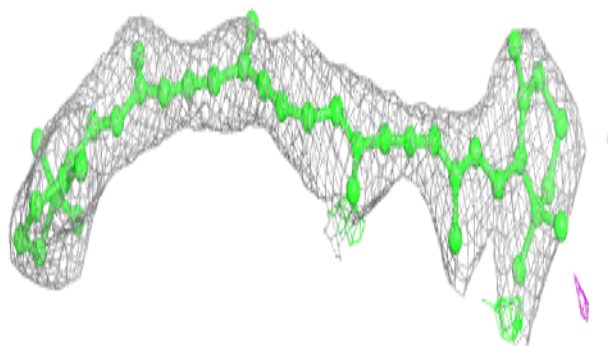
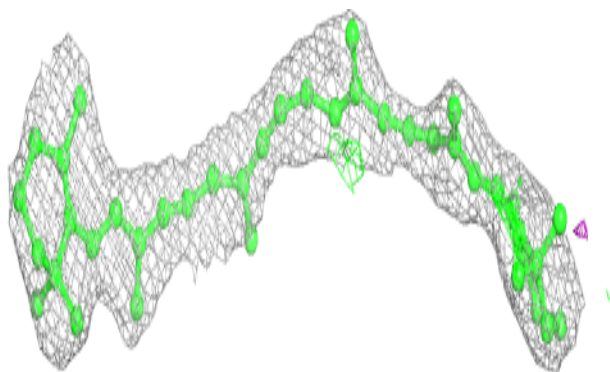
**Electron density around BCR Z 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

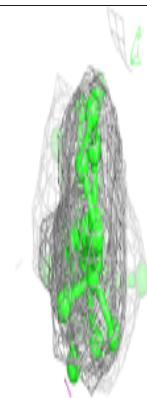
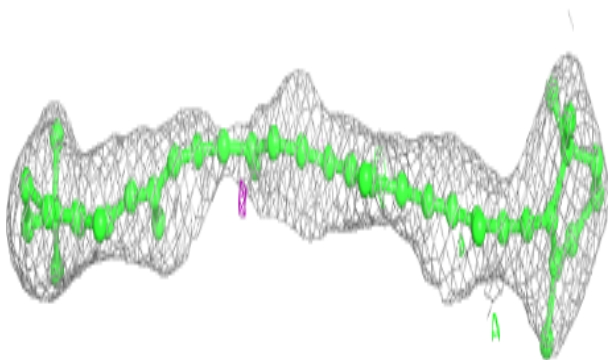
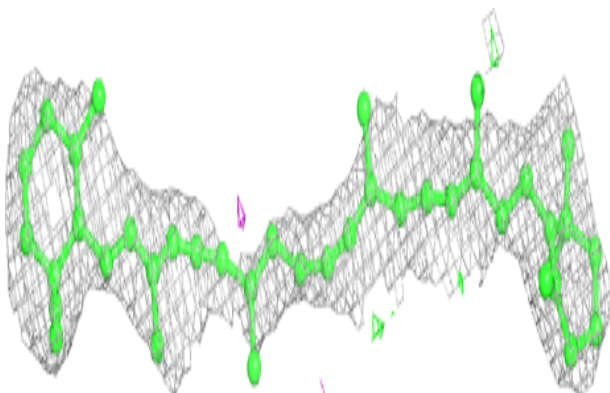


**Electron density around BCR Z 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR Z 850:**

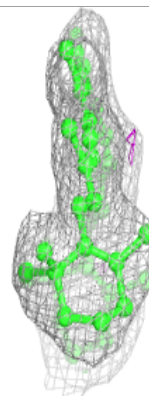
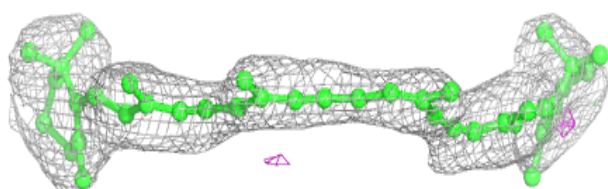
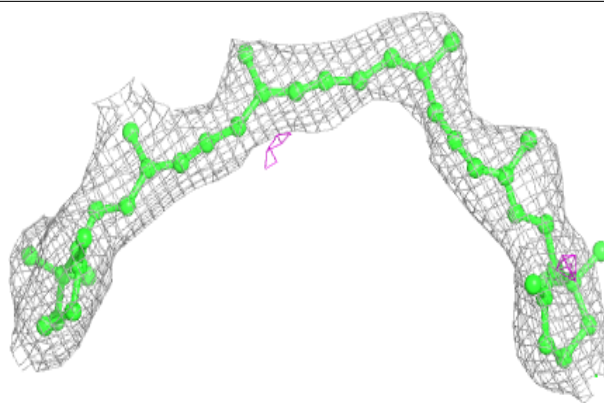
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



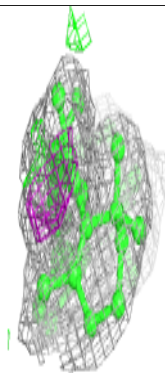
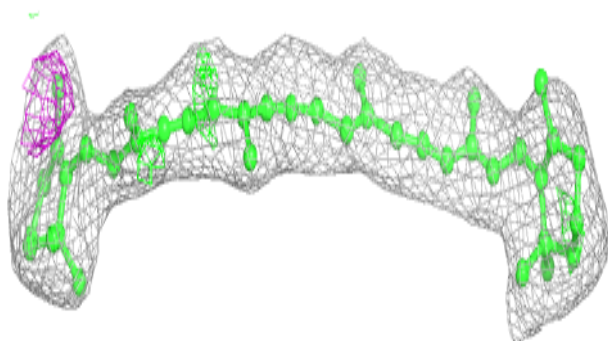
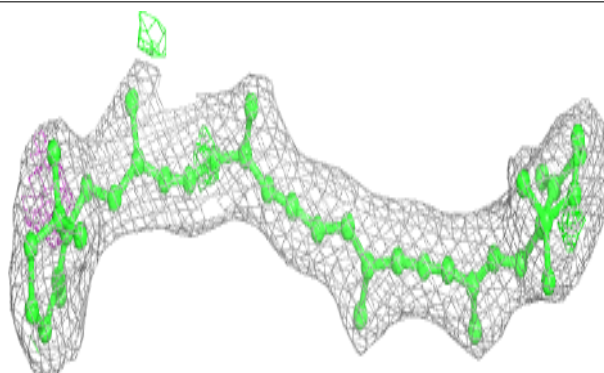


**Electron density around BCR d 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

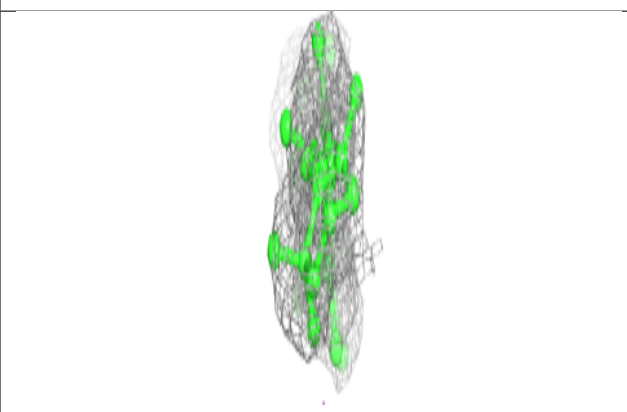
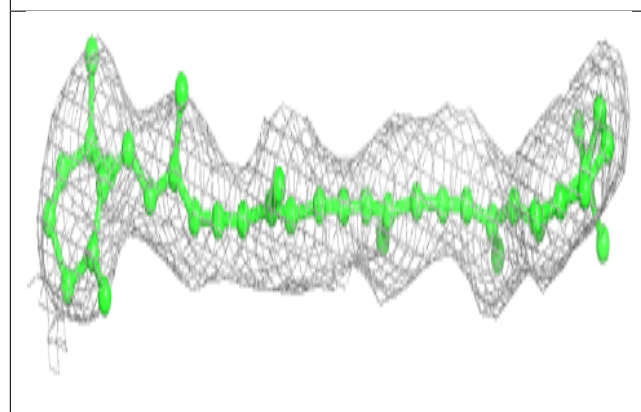
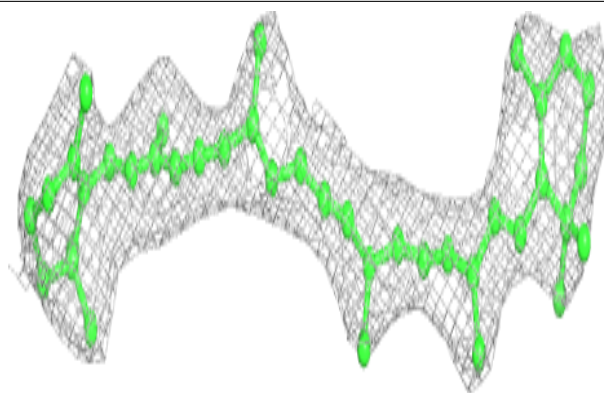
**Electron density around BCR e 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

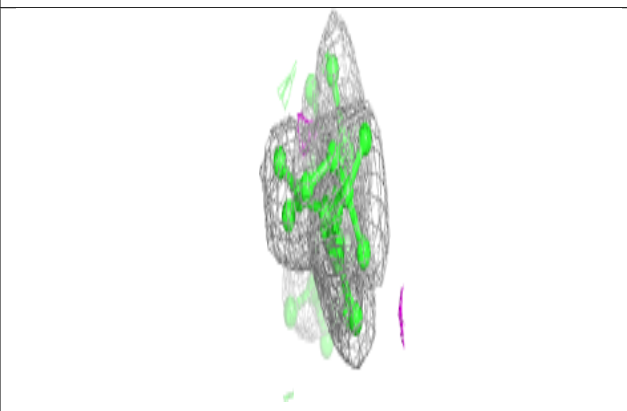
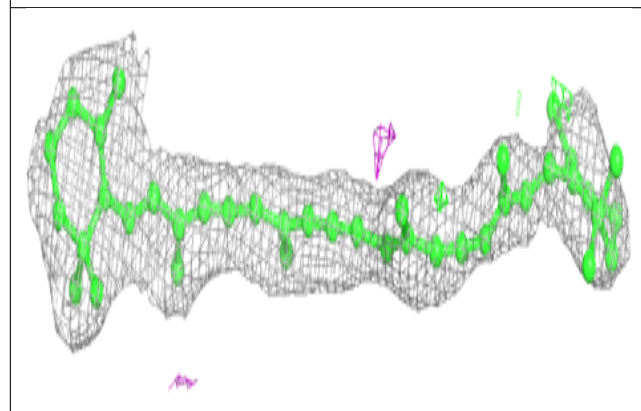
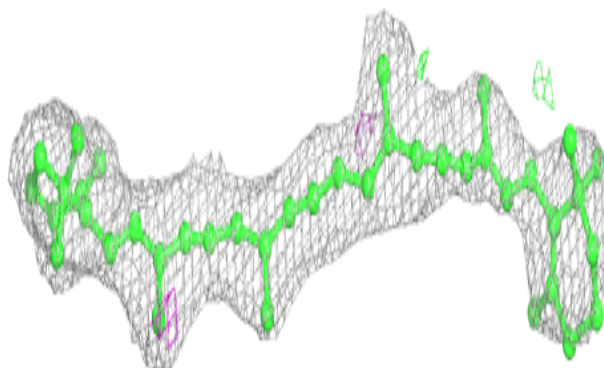


**Electron density around BCR f 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

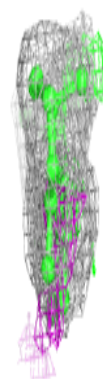
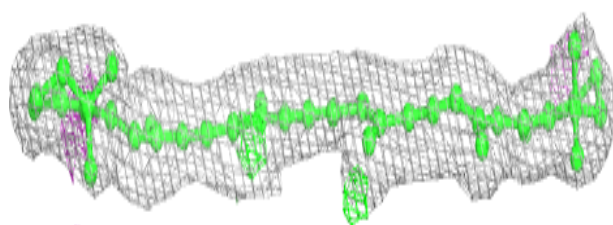
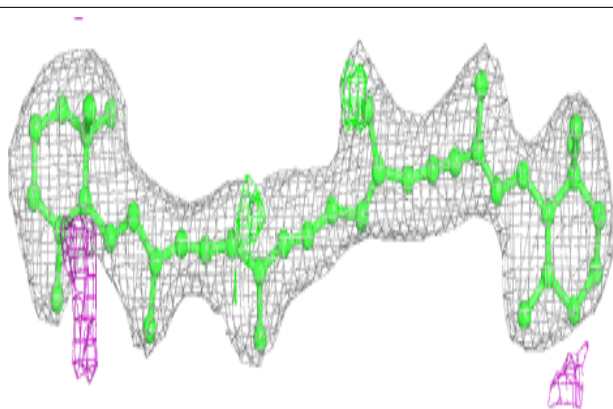
**Electron density around BCR h 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

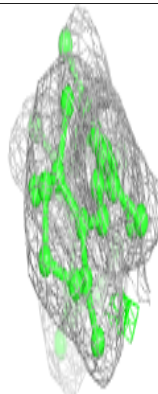
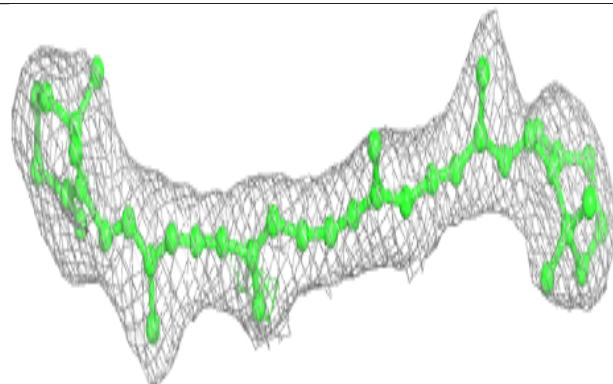
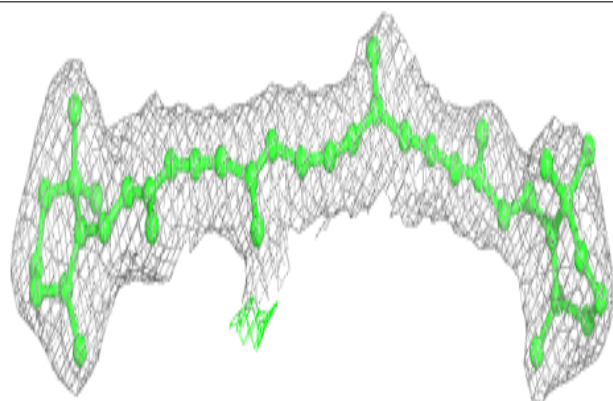


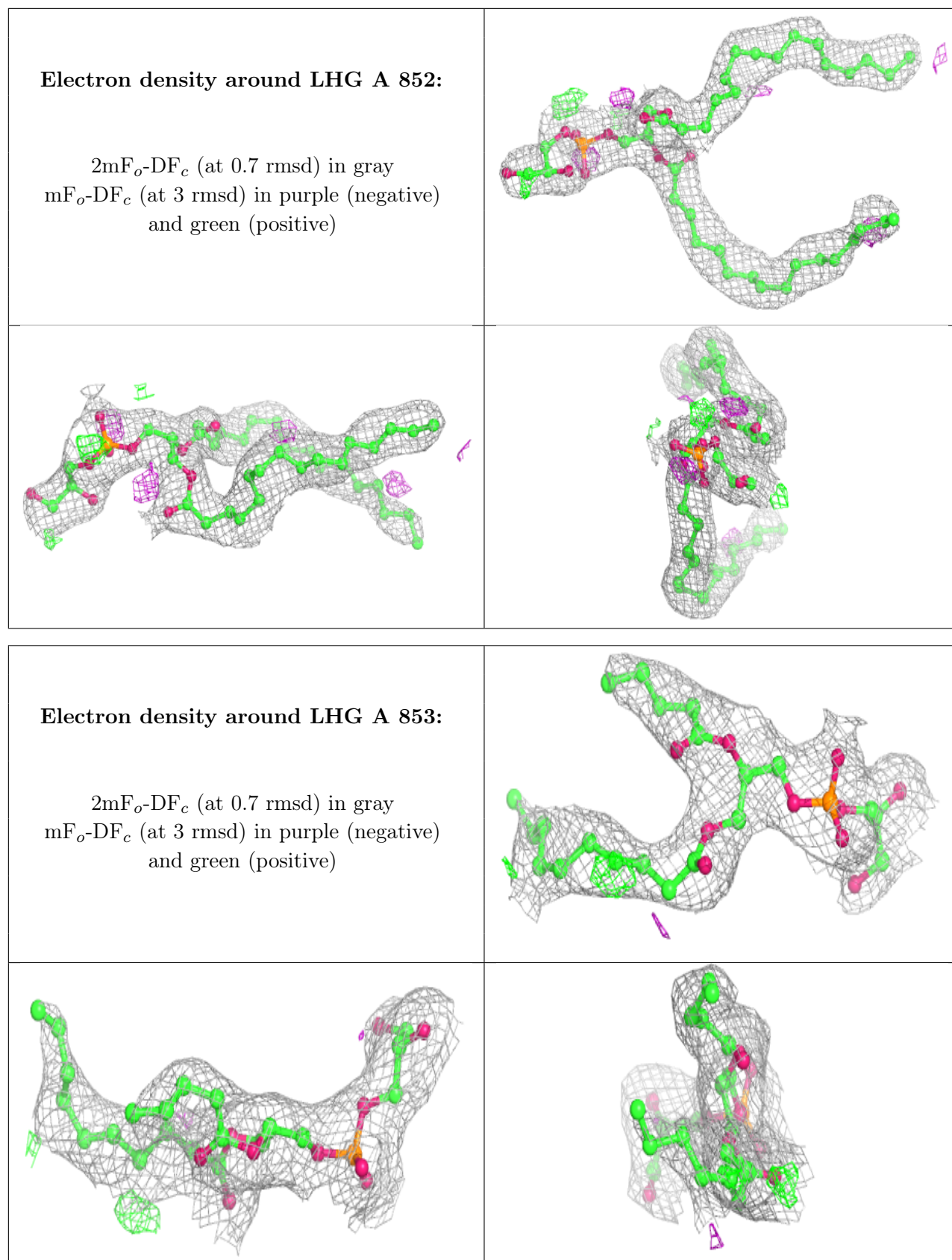
**Electron density around BCR h 207:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR i 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

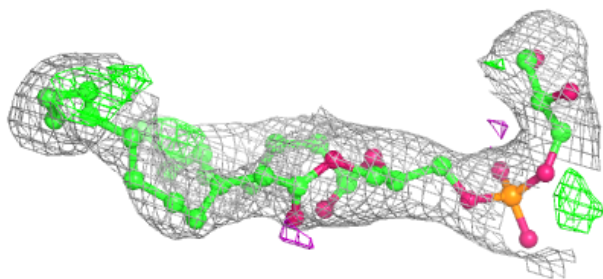
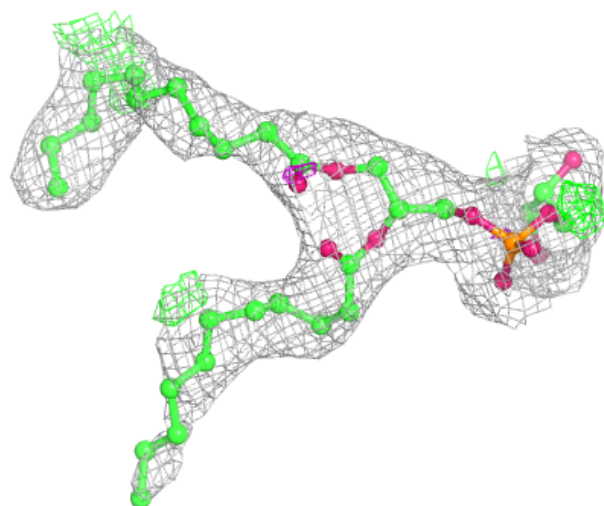






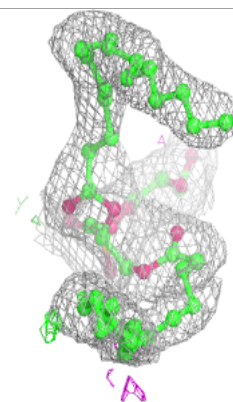
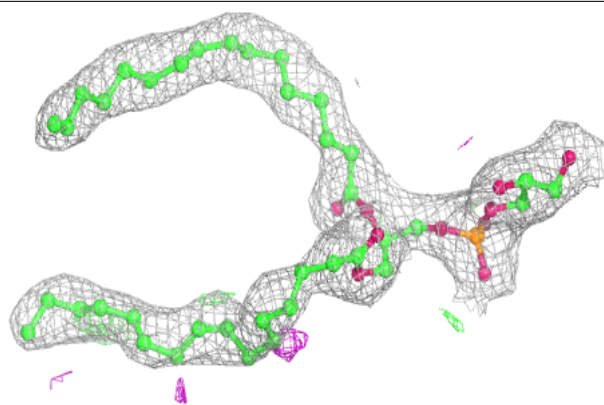
**Electron density around LHG B 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

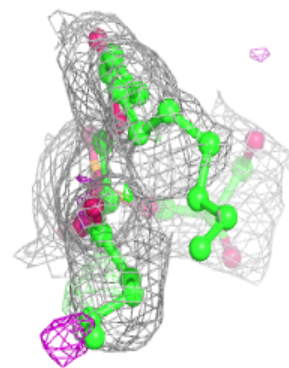
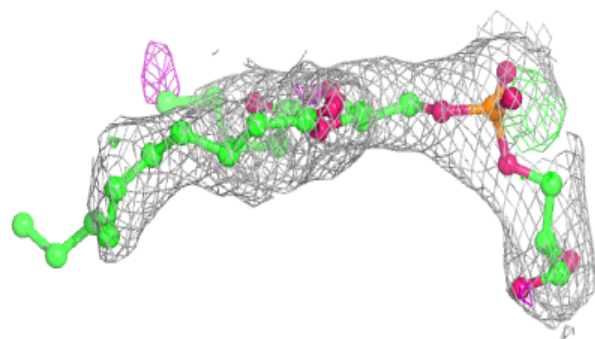
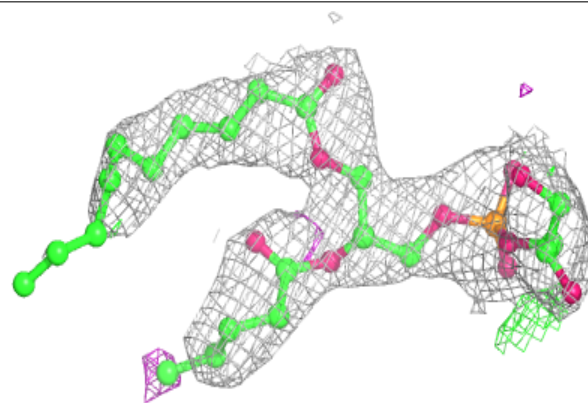


**Electron density around LHG G 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

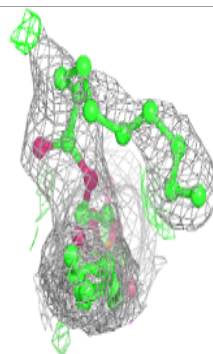
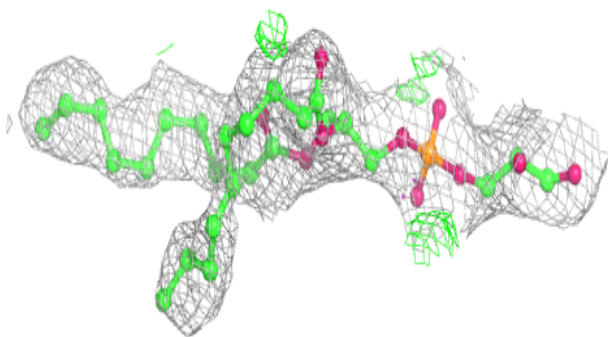
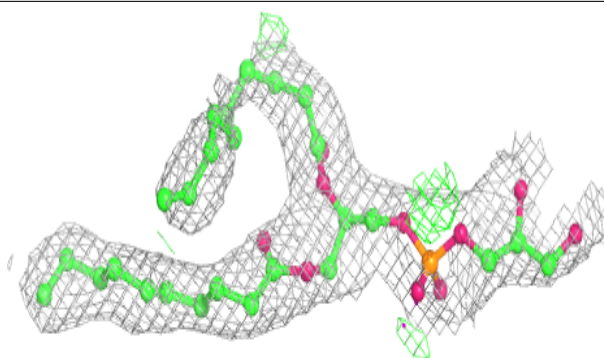
**Electron density around LHG G 851:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

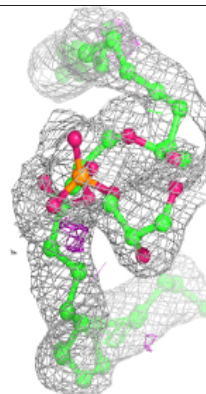
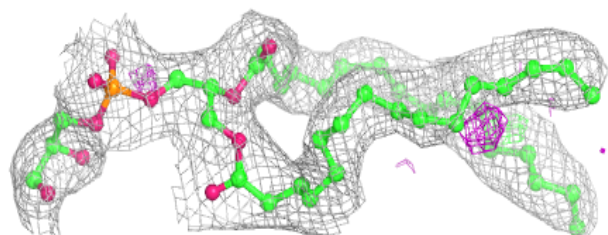
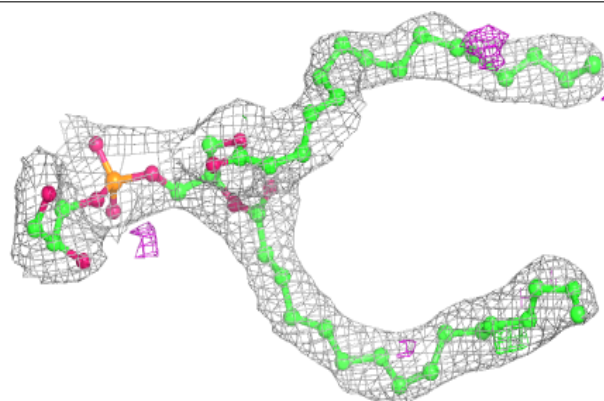


**Electron density around LHG H 849:**

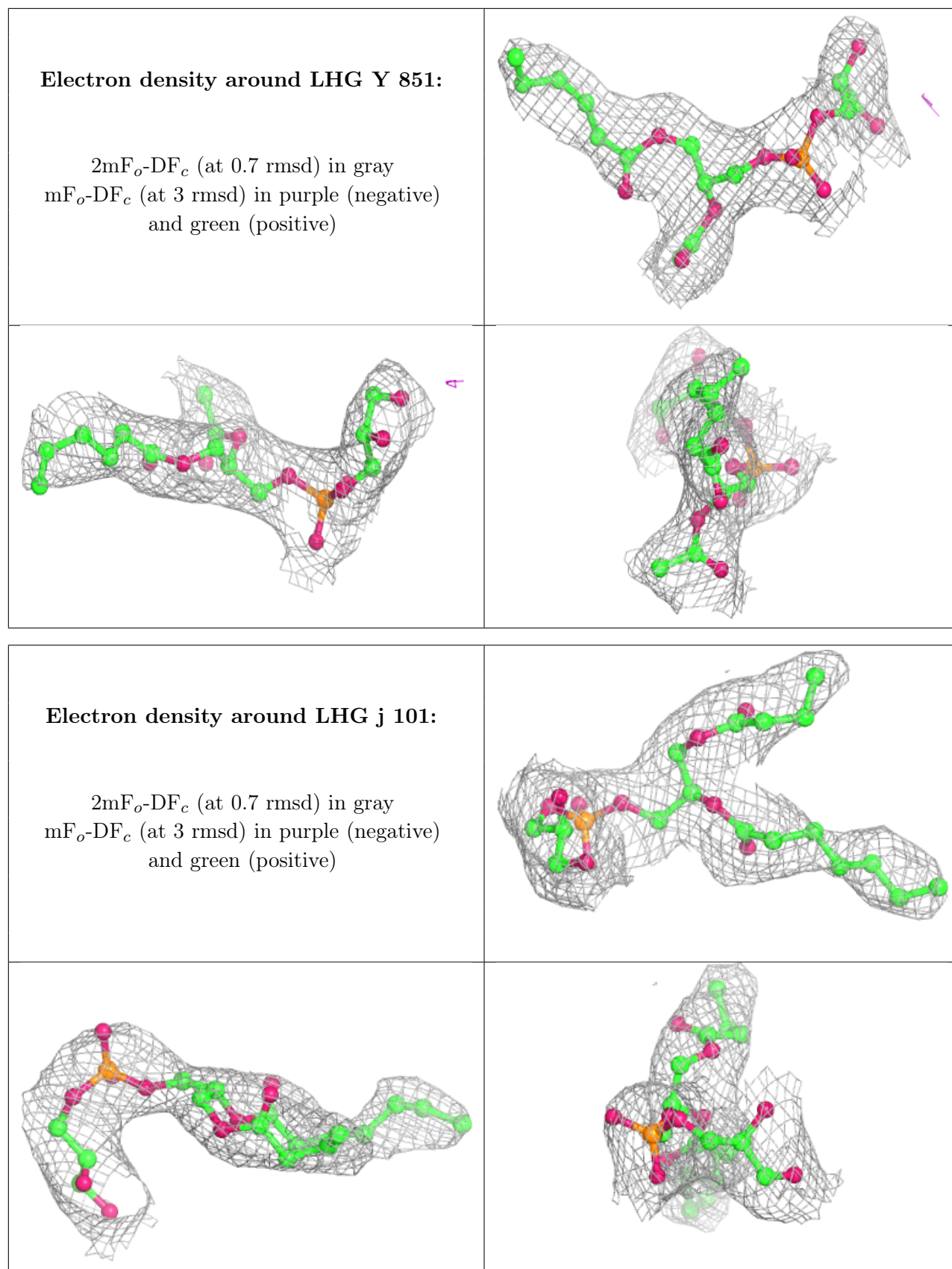
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LHG Y 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

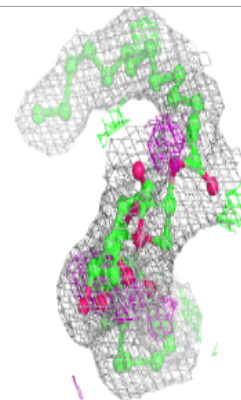
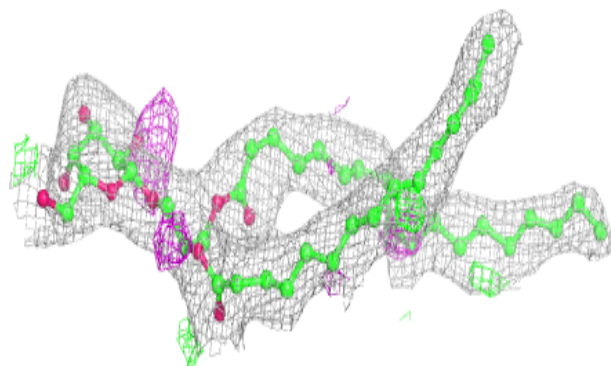
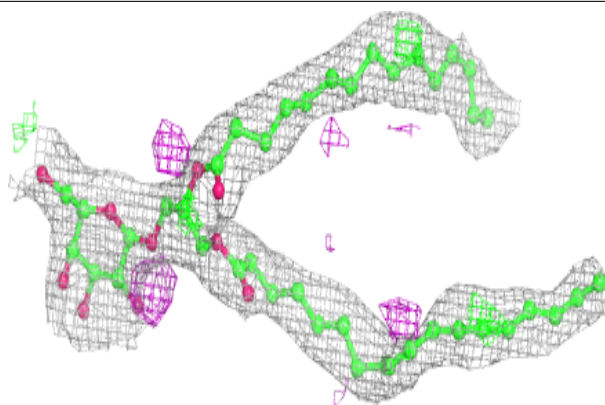




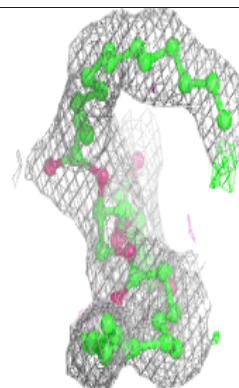
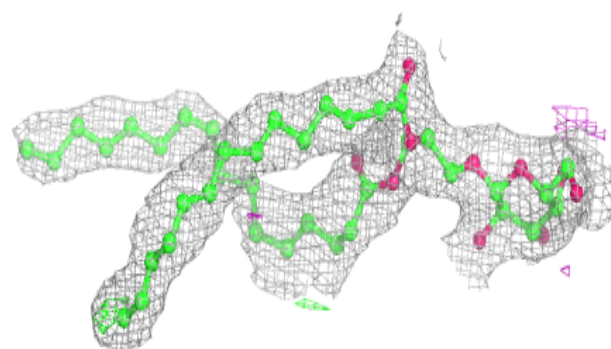
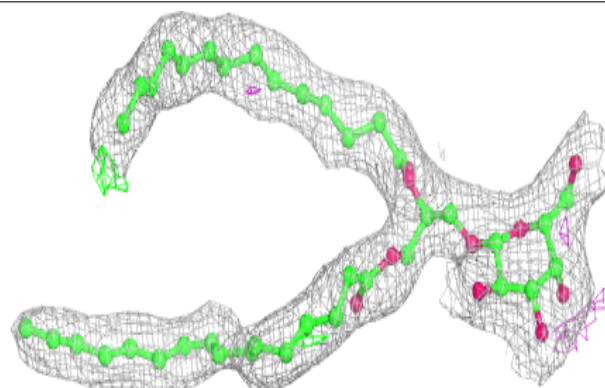


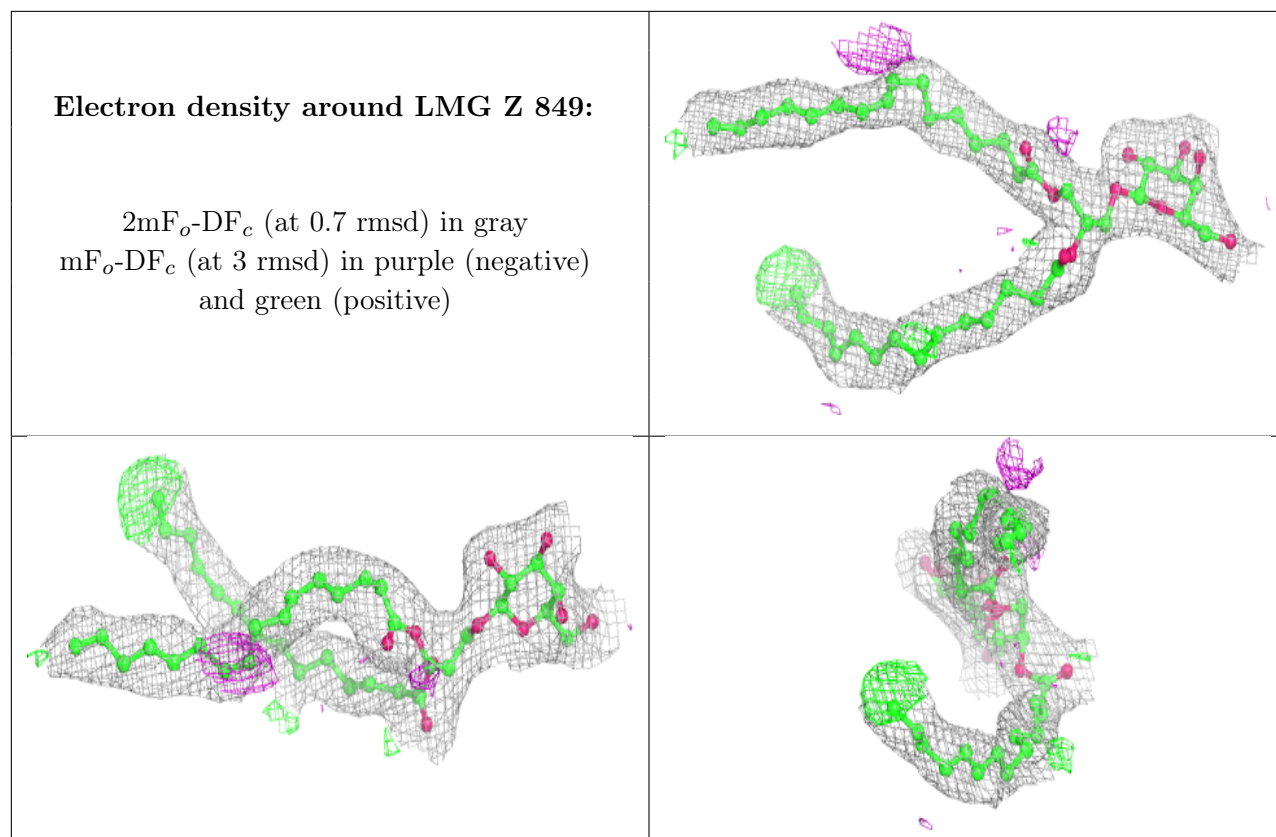
**Electron density around LMG B 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LMG H 848:**

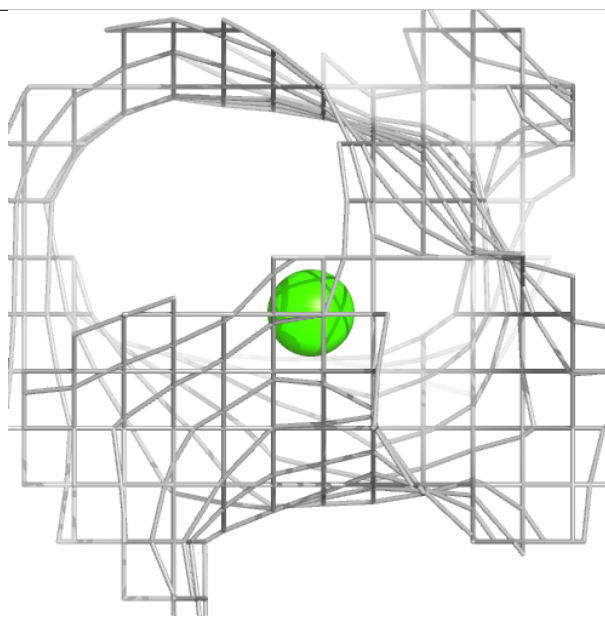
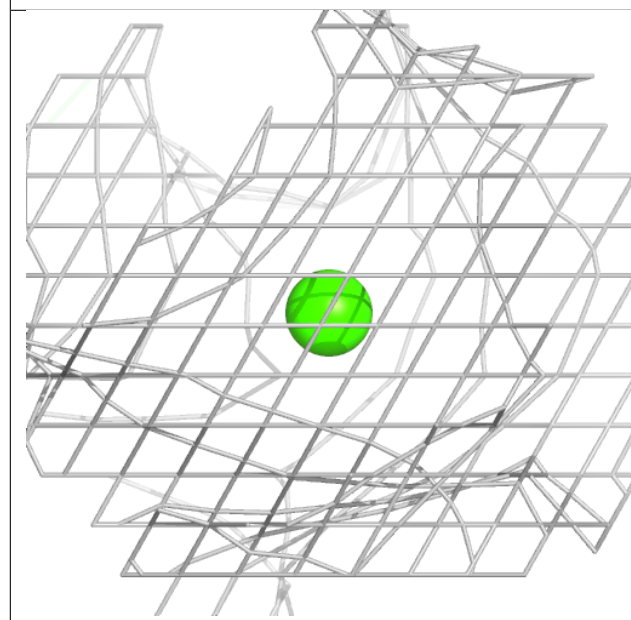
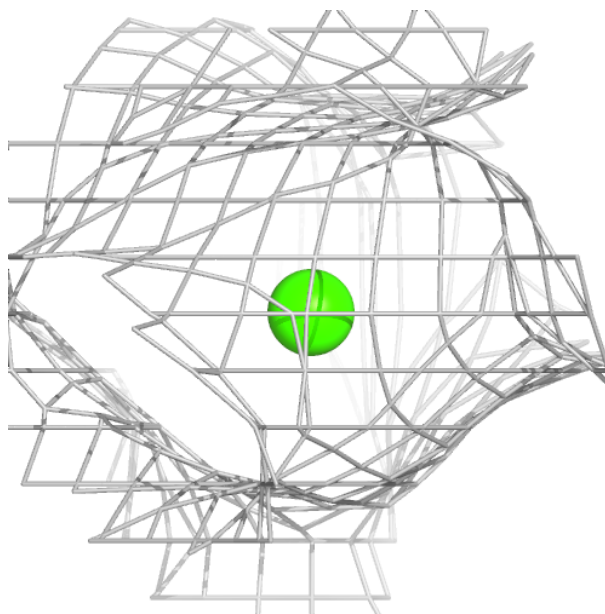
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

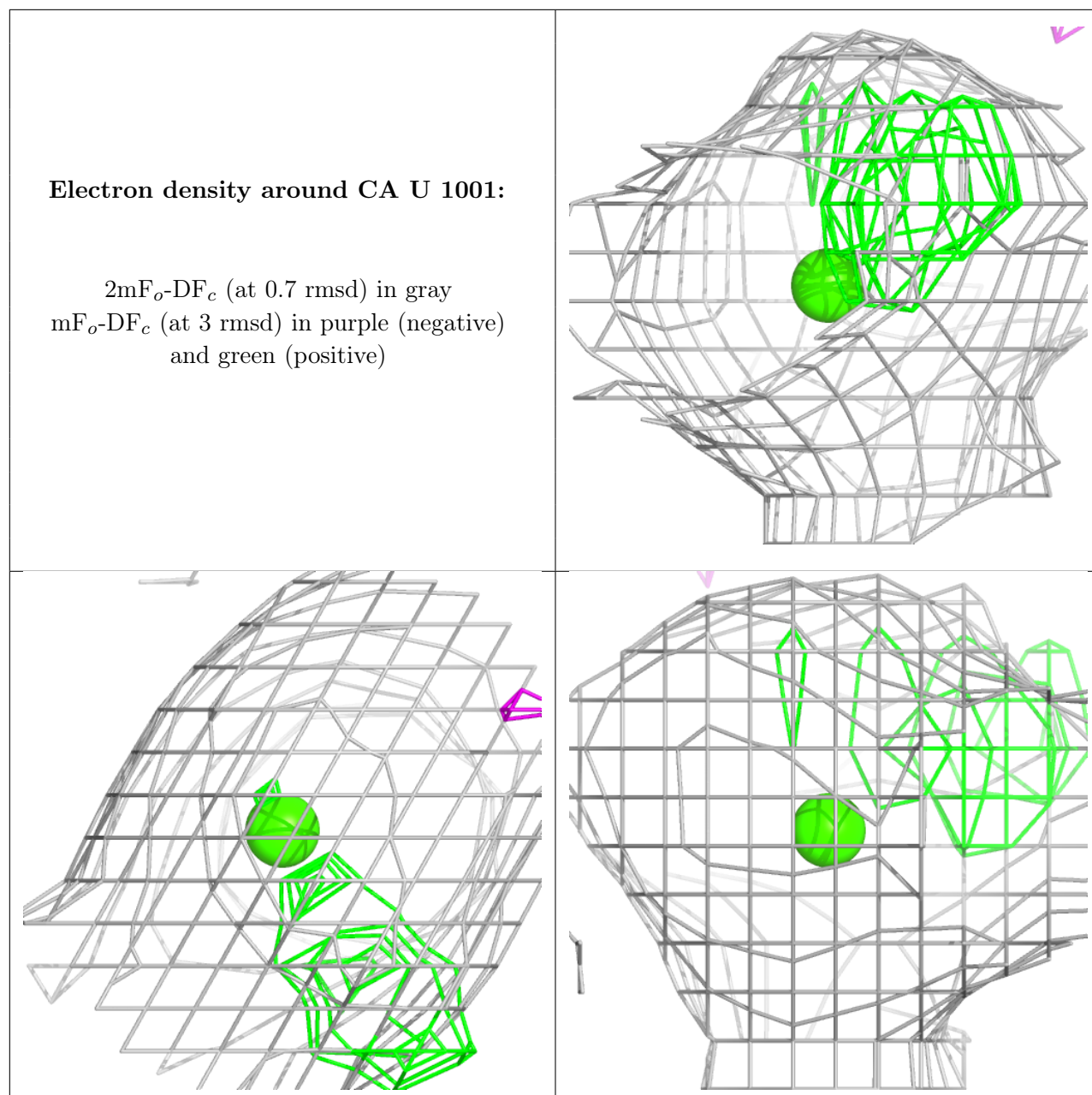




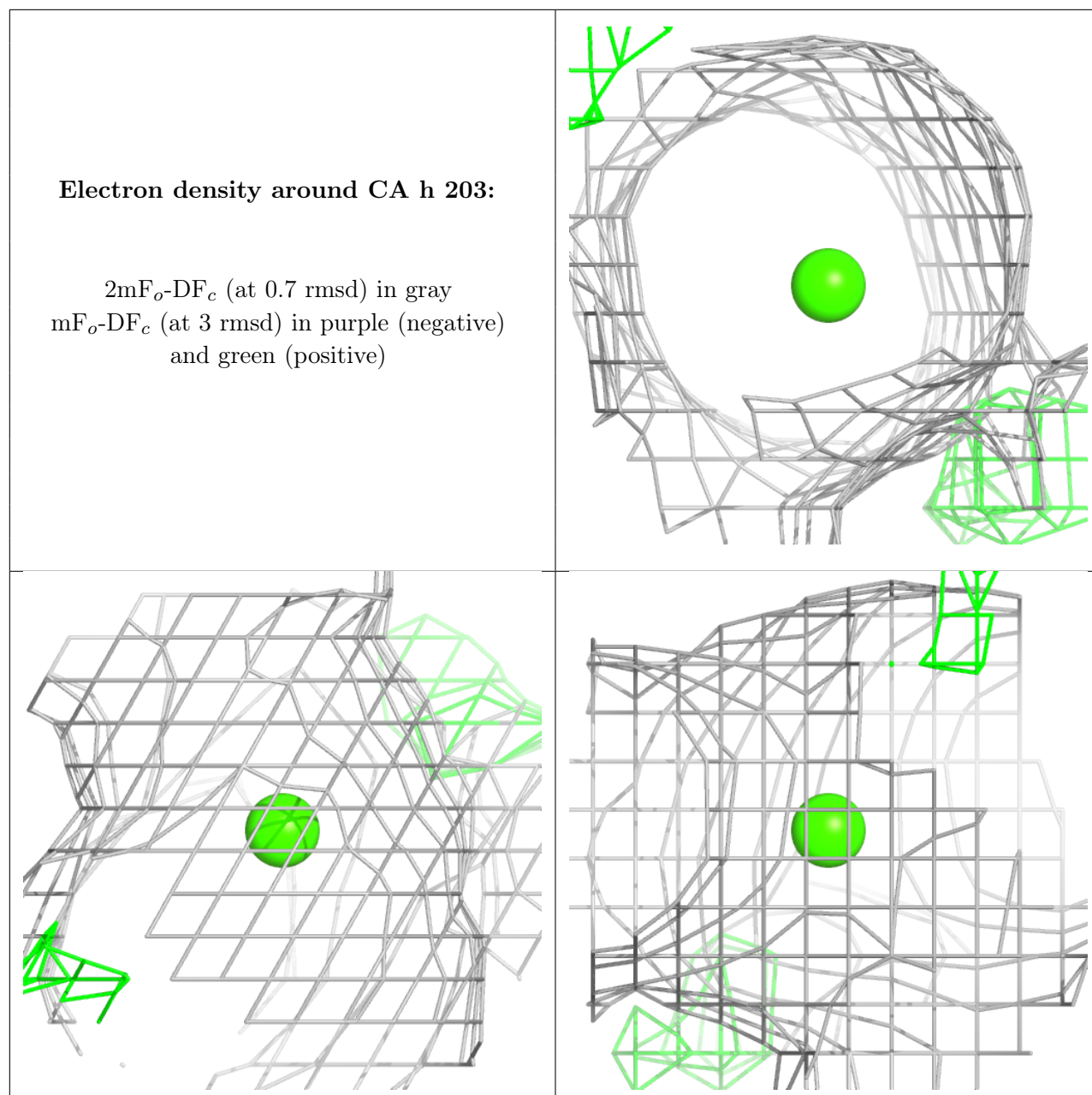
**Electron density around CA L 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)









## 6.5 Other polymers [i](#)

Unable to reproduce the depositors R factor - this section is therefore empty.