



## Full wwPDB EM Validation Report ⓘ

Oct 13, 2024 – 08:50 pm BST

PDB ID : 6TRC  
EMDB ID : EMD-10558  
Title : Cryo- EM structure of the *Thermosynechococcus elongatus* photosystem I in the presence of cytochrome c6  
Authors : Koelsch, A.; Radon, C.; Baumert, A.; Buerger, J.; Mielke, T.; Lisdat, F.; Zouni, A.; Wendler, P.  
Deposited on : 2019-12-18  
Resolution : 2.98 Å(reported)

This is a Full wwPDB EM 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/EMValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

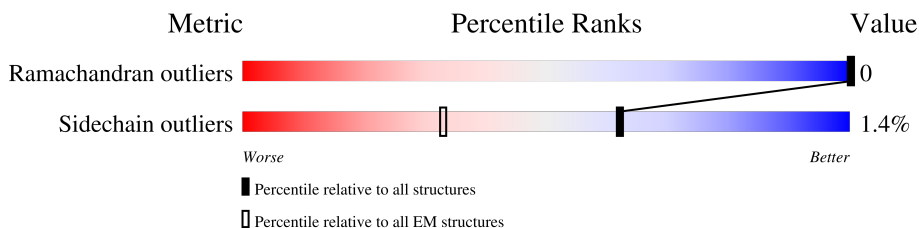
EMDB validation analysis : 0.0.1.dev113  
Mogul : 1.8.4, CSD as541be (2020)  
MolProbity : 4.02b-467  
buster-report : 1.1.7 (2018)  
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)  
MapQ : 1.9.13  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.39

# 1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:  
*ELECTRON MICROSCOPY*

The reported resolution of this entry is 2.98 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)
Ramachandran outliers	207382	16835
Sidechain outliers	206894	16415

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for  $\geq 3$ , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions  $\leq 5\%$ . The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion  $< 40\%$ ). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1	755	25% (red), 98% (green), . (grey)
1	A	755	25% (red), 98% (green), . (grey)
1	a	755	24% (red), 98% (green), . (grey)
2	2	741	18% (red), 99% (green), . (grey)
2	B	741	17% (red), 99% (green), . (grey)
2	b	741	18% (red), 99% (green), . (grey)
3	3	81	. (red), 98% (green), .. (grey)
3	C	81	. (red), 98% (green), .. (grey)
3	c	81	. (red), 98% (green), .. (grey)

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Mol	Chain	Length	Quality of chain
4	4	139	19% 98% ..
4	D	139	18% 98% ..
4	d	139	18% 98% ..
5	5	76	39% 88% . 8%
5	E	76	41% 88% . 8%
5	e	76	41% 88% . 8%
6	6	141	82% 99% .
6	F	141	83% 99% .
6	f	141	82% 99% .
7	7	38	5% 97% .
7	I	38	5% 97% .
7	i	38	5% 97% .
8	8	41	85% 93% 7%
8	J	41	88% 93% 7%
8	j	41	90% 93% 7%
9	9	83	88% 92% .. 5%
9	K	83	87% 92% .. 5%
9	k	83	90% 92% .. 5%
10	0	155	6% 97% ..
10	L	155	7% 97% ..
10	l	155	6% 97% ..
11	M	31	13% 100%
11	m	31	13% 100%
11	y	31	6% 100%
12	X	36	75% 67% 6% . 25%

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Mol	Chain	Length	Quality of chain
12	x	36	
12	z	36	

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	1	801	X	-	-	-
13	CL0	A	801	X	-	-	-
13	CL0	a	801	X	-	-	-
14	CLA	0	203	X	-	-	-
14	CLA	0	204	X	-	-	-
14	CLA	0	207	X	-	-	-
14	CLA	0	208	X	-	-	-
14	CLA	0	209	X	-	-	-
14	CLA	1	802	X	-	-	-
14	CLA	1	803	X	-	-	-
14	CLA	1	804	X	-	-	-
14	CLA	1	805	X	-	-	-
14	CLA	1	806	X	-	-	-
14	CLA	1	807	X	-	-	-
14	CLA	1	808	X	-	-	-
14	CLA	1	809	X	-	-	-
14	CLA	1	810	X	-	-	-
14	CLA	1	811	X	-	-	-
14	CLA	1	812	X	-	-	-
14	CLA	1	813	X	-	-	-
14	CLA	1	814	X	-	-	-
14	CLA	1	815	X	-	-	-
14	CLA	1	816	X	-	-	-
14	CLA	1	817	X	-	-	-
14	CLA	1	818	X	-	-	-
14	CLA	1	819	X	-	-	-
14	CLA	1	820	X	-	-	-
14	CLA	1	821	X	-	-	-
14	CLA	1	822	X	-	-	-
14	CLA	1	823	X	-	-	-
14	CLA	1	824	X	-	-	-
14	CLA	1	825	X	-	-	-
14	CLA	1	826	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	1	827	X	-	-	-
14	CLA	1	828	X	-	-	-
14	CLA	1	829	X	-	-	-
14	CLA	1	830	X	-	-	-
14	CLA	1	831	X	-	-	-
14	CLA	1	832	X	-	-	-
14	CLA	1	833	X	-	-	-
14	CLA	1	834	X	-	-	-
14	CLA	1	835	X	-	-	-
14	CLA	1	836	X	-	-	-
14	CLA	1	837	X	-	-	-
14	CLA	1	838	X	-	-	-
14	CLA	1	839	X	-	-	-
14	CLA	1	840	X	-	-	-
14	CLA	1	841	X	-	-	-
14	CLA	1	842	X	-	-	-
14	CLA	1	843	X	-	-	-
14	CLA	1	844	X	-	-	-
14	CLA	2	3003	X	-	-	-
14	CLA	2	3004	X	-	-	-
14	CLA	2	3005	X	-	-	-
14	CLA	2	3006	X	-	-	-
14	CLA	2	3007	X	-	-	-
14	CLA	2	3008	X	-	-	-
14	CLA	2	3009	X	-	-	-
14	CLA	2	3010	X	-	-	-
14	CLA	2	3011	X	-	-	-
14	CLA	2	3012	X	-	-	-
14	CLA	2	3014	X	-	-	-
14	CLA	2	3015	X	-	-	-
14	CLA	2	3016	X	-	-	-
14	CLA	2	3017	X	-	-	-
14	CLA	2	3019	X	-	-	-
14	CLA	2	3020	X	-	-	-
14	CLA	2	3021	X	-	-	-
14	CLA	2	3022	X	-	-	-
14	CLA	2	3023	X	-	-	-
14	CLA	2	3025	X	-	-	-
14	CLA	2	3026	X	-	-	-
14	CLA	2	3027	X	-	-	-
14	CLA	2	3028	X	-	-	-
14	CLA	2	3029	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	2	3030	X	-	-	-
14	CLA	2	3031	X	-	-	-
14	CLA	2	3032	X	-	-	-
14	CLA	2	3033	X	-	-	-
14	CLA	2	3034	X	-	-	-
14	CLA	2	3035	X	-	-	-
14	CLA	2	3036	X	-	-	-
14	CLA	2	3037	X	-	-	-
14	CLA	2	3038	X	-	-	-
14	CLA	2	3039	X	-	-	-
14	CLA	2	3041	X	-	-	-
14	CLA	2	3042	X	-	-	-
14	CLA	6	201	X	-	-	-
14	CLA	6	203	X	-	-	-
14	CLA	6	204	X	-	-	-
14	CLA	8	101	X	-	-	-
14	CLA	8	102	X	-	-	-
14	CLA	9	101	X	-	-	-
14	CLA	9	103	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	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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	-	-	-
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	844	X	-	-	-
14	CLA	A	855	X	-	-	-
14	CLA	B	3003	X	-	-	-
14	CLA	B	3004	X	-	-	-
14	CLA	B	3005	X	-	-	-
14	CLA	B	3006	X	-	-	-
14	CLA	B	3007	X	-	-	-
14	CLA	B	3008	X	-	-	-
14	CLA	B	3009	X	-	-	-
14	CLA	B	3010	X	-	-	-
14	CLA	B	3011	X	-	-	-
14	CLA	B	3012	X	-	-	-
14	CLA	B	3014	X	-	-	-
14	CLA	B	3015	X	-	-	-
14	CLA	B	3016	X	-	-	-
14	CLA	B	3017	X	-	-	-
14	CLA	B	3019	X	-	-	-
14	CLA	B	3020	X	-	-	-
14	CLA	B	3021	X	-	-	-
14	CLA	B	3022	X	-	-	-
14	CLA	B	3023	X	-	-	-
14	CLA	B	3025	X	-	-	-
14	CLA	B	3026	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B	3027	X	-	-	-
14	CLA	B	3028	X	-	-	-
14	CLA	B	3029	X	-	-	-
14	CLA	B	3030	X	-	-	-
14	CLA	B	3031	X	-	-	-
14	CLA	B	3032	X	-	-	-
14	CLA	B	3033	X	-	-	-
14	CLA	B	3034	X	-	-	-
14	CLA	B	3035	X	-	-	-
14	CLA	B	3036	X	-	-	-
14	CLA	B	3037	X	-	-	-
14	CLA	B	3038	X	-	-	-
14	CLA	B	3039	X	-	-	-
14	CLA	B	3041	X	-	-	-
14	CLA	B	3042	X	-	-	-
14	CLA	F	201	X	-	-	-
14	CLA	F	203	X	-	-	-
14	CLA	F	204	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	203	X	-	-	-
14	CLA	L	204	X	-	-	-
14	CLA	L	205	X	-	-	-
14	CLA	M	1601	X	-	-	-
14	CLA	X	1701	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	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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	-	-	-
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	b	3003	X	-	-	-
14	CLA	b	3004	X	-	-	-
14	CLA	b	3005	X	-	-	-
14	CLA	b	3006	X	-	-	-
14	CLA	b	3007	X	-	-	-
14	CLA	b	3008	X	-	-	-
14	CLA	b	3009	X	-	-	-
14	CLA	b	3010	X	-	-	-
14	CLA	b	3011	X	-	-	-
14	CLA	b	3012	X	-	-	-
14	CLA	b	3014	X	-	-	-
14	CLA	b	3015	X	-	-	-
14	CLA	b	3016	X	-	-	-
14	CLA	b	3017	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	b	3019	X	-	-	-
14	CLA	b	3020	X	-	-	-
14	CLA	b	3021	X	-	-	-
14	CLA	b	3022	X	-	-	-
14	CLA	b	3023	X	-	-	-
14	CLA	b	3025	X	-	-	-
14	CLA	b	3026	X	-	-	-
14	CLA	b	3027	X	-	-	-
14	CLA	b	3028	X	-	-	-
14	CLA	b	3029	X	-	-	-
14	CLA	b	3030	X	-	-	-
14	CLA	b	3031	X	-	-	-
14	CLA	b	3032	X	-	-	-
14	CLA	b	3033	X	-	-	-
14	CLA	b	3034	X	-	-	-
14	CLA	b	3035	X	-	-	-
14	CLA	b	3036	X	-	-	-
14	CLA	b	3037	X	-	-	-
14	CLA	b	3038	X	-	-	-
14	CLA	b	3039	X	-	-	-
14	CLA	b	3041	X	-	-	-
14	CLA	b	3042	X	-	-	-
14	CLA	f	201	X	-	-	-
14	CLA	f	203	X	-	-	-
14	CLA	f	204	X	-	-	-
14	CLA	j	1101	X	-	-	-
14	CLA	j	1102	X	-	-	-
14	CLA	j	1103	X	-	-	-
14	CLA	k	101	X	-	-	-
14	CLA	k	102	X	-	-	-
14	CLA	l	203	X	-	-	-
14	CLA	l	206	X	-	-	-
14	CLA	l	207	X	-	-	-
14	CLA	l	208	X	-	-	-
14	CLA	x	1701	X	-	-	-
14	CLA	z	1701	X	-	-	-

## 2 Entry composition [i](#)

There are 21 unique types of molecules in this entry. The entry contains 75591 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	A	746	Total	C	N	O	S	0	0
			5826	3823	995	982	26		
1	a	746	Total	C	N	O	S	0	0
			5826	3823	995	982	26		
1	1	746	Total	C	N	O	S	0	0
			5826	3823	995	982	26		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	B	740	Total	C	N	O	S	0	0
			5894	3878	988	1007	21		
2	b	740	Total	C	N	O	S	0	0
			5894	3878	988	1007	21		
2	2	740	Total	C	N	O	S	0	0
			5894	3878	988	1007	21		

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					AltConf	Trace
5	E	70	Total	C	N	O	0	0	
			546	347	94	105			
5	e	70	Total	C	N	O	0	0	
			546	347	94	105			
5	5	70	Total	C	N	O	0	0	
			546	347	94	105			

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

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		
6	f	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		
6	6	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	38	Total	C	N	O	S	0	0
			303	209	40	49	5		
7	i	38	Total	C	N	O	S	0	0
			303	209	40	49	5		
7	7	38	Total	C	N	O	S	0	0
			303	209	40	49	5		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
8	J	41	Total	C	N	O	S	0	0
			340	232	51	55	2		
8	j	41	Total	C	N	O	S	0	0
			340	232	51	55	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	8	41	Total	C	N	O	S	0	0
			340	232	51	55	2		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
9	K	79	Total	C	N	O	S	0	0
			571	377	92	101	1		
9	k	79	Total	C	N	O	S	0	0
			571	377	92	101	1		
9	9	79	Total	C	N	O	S	0	0
			571	377	92	101	1		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
10	L	152	Total	C	N	O	S	0	0
			1124	738	180	202	4		
10	l	152	Total	C	N	O	S	0	0
			1124	738	180	202	4		
10	0	152	Total	C	N	O	S	0	0
			1124	738	180	202	4		

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
L	143	LEU	SER	conflict	UNP Q8DGB4
l	143	LEU	SER	conflict	UNP Q8DGB4
0	143	LEU	SER	conflict	UNP Q8DGB4

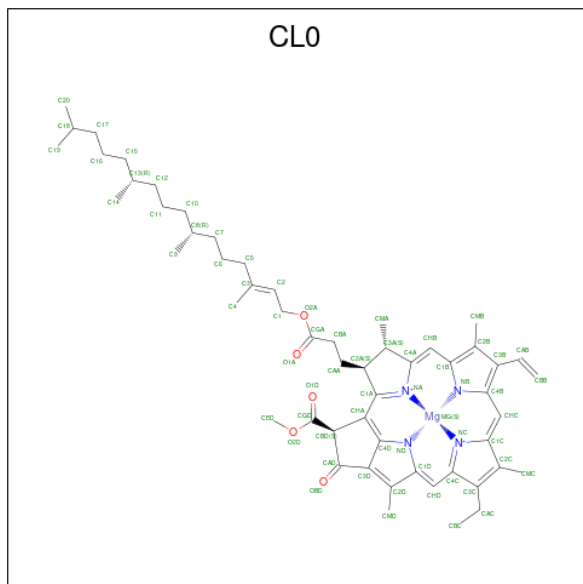
- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	M	31	Total	C	N	O	S	0	0
			241	161	36	43	1		
11	m	31	Total	C	N	O	S	0	0
			241	161	36	43	1		
11	y	31	Total	C	N	O	S	0	0
			241	161	36	43	1		

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

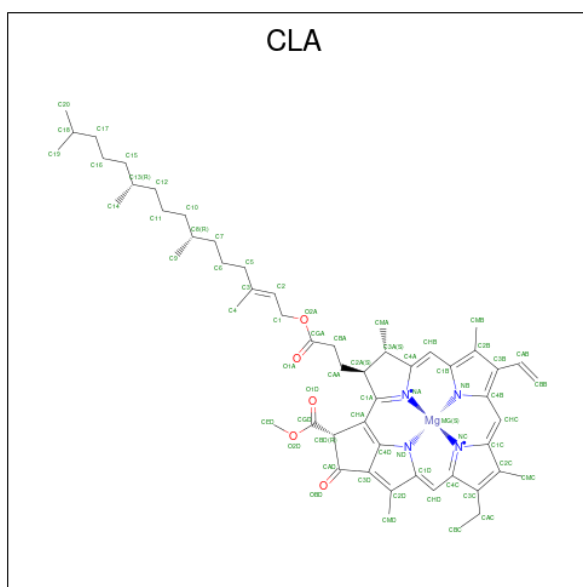
Mol	Chain	Residues	Atoms				AltConf	Trace
12	X	27	Total	C	N	O	0	0
			228	163	33	32		
12	x	27	Total	C	N	O	0	0
			228	163	33	32		
12	z	27	Total	C	N	O	0	0
			228	163	33	32		

- Molecule 13 is CHLOROPHYLL A ISOMER (three-letter code: CL0) (formula:  $C_{55}H_{72}MgN_4O_5$ ).



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

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



Mol	Chain	Residues	Atoms				AltConf	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	A	1	45	35	1	4	5	0
14	A	1	65	55	1	4	5	0
14	A	1	65	55	1	4	5	0
14	A	1	65	55	1	4	5	0
14	A	1	65	55	1	4	5	0
14	A	1	65	55	1	4	5	0
14	A	1	65	55	1	4	5	0
14	A	1	45	35	1	4	5	0
14	A	1	36	30	1	4	1	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	45	35	1	4	5	0
14	B	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	45	35	1	4	5	0
14	B	1	55	45	1	4	5	0
14	B	1	45	35	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	55	45	1	4	5	0
14	B	1	49	39	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	B	1	50	40	1	4	5	0
14	B	1	45	35	1	4	5	0
14	B	1	60	50	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	47	37	1	4	5	0
14	B	1	65	55	1	4	5	0
14	B	1	65	55	1	4	5	0
14	F	1	58	48	1	4	5	0
14	F	1	45	35	1	4	5	0
14	F	1	50	40	1	4	5	0
14	J	1	45	35	1	4	5	0
14	J	1	37	31	1	4	1	0
14	K	1	46	36	1	4	5	0
14	K	1	58	48	1	4	5	0
14	L	1	65	55	1	4	5	0
14	L	1	65	55	1	4	5	0
14	L	1	65	55	1	4	5	0
14	L	1	65	55	1	4	5	0
14	M	1	36	30	1	4	1	0
14	X	1	45	35	1	4	5	0
14	a	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	a	1	65	55	1	4	5	0
14	a	1	59	49	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	51	41	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	49	39	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	45	35	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	65	55	1	4	5	0
14	a	1	45	35	1	4	5	0
14	a	1	65	55	1	4	5	0

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

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

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	b	1	Total 49	C 39	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	b	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 47	C 37	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	f	1	Total 58	C 48	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 50	C 40	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	j	1	Total 65	55	1	4	5	0
14	j	1	Total 45	35	1	4	5	0
14	j	1	Total 37	31	1	4	1	0
14	k	1	Total 46	36	1	4	5	0
14	k	1	Total 58	48	1	4	5	0
14	l	1	Total 65	55	1	4	5	0
14	l	1	Total 65	55	1	4	5	0
14	l	1	Total 65	55	1	4	5	0
14	l	1	Total 65	55	1	4	5	0
14	x	1	Total 45	35	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 59	49	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 51	41	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 65	55	1	4	5	0
14	1	1	Total 49	39	1	4	5	0
14	1	1	Total 65	55	1	4	5	0

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

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	45	35	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	65	55	1	4	5	0
14	1	1	45	35	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	2	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	2	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	2	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	2	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	2	1	Total 49	C 39	Mg 1	N 4	O 5	0
14	2	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	50	40	1	4	5	0
14	2	1	45	35	1	4	5	0
14	2	1	60	50	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	47	37	1	4	5	0
14	2	1	65	55	1	4	5	0
14	2	1	65	55	1	4	5	0
14	6	1	58	48	1	4	5	0
14	6	1	45	35	1	4	5	0
14	6	1	50	40	1	4	5	0
14	8	1	45	35	1	4	5	0
14	8	1	37	31	1	4	1	0
14	9	1	46	36	1	4	5	0
14	9	1	58	48	1	4	5	0
14	0	1	36	30	1	4	1	0
14	0	1	65	55	1	4	5	0
14	0	1	65	55	1	4	5	0
14	0	1	65	55	1	4	5	0
14	0	1	65	55	1	4	5	0

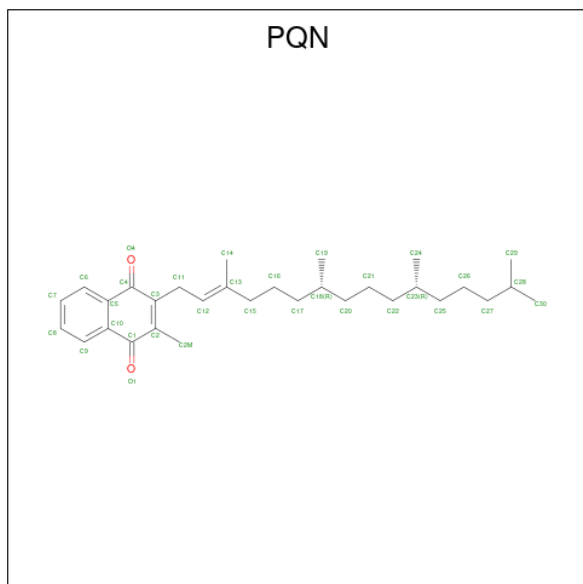
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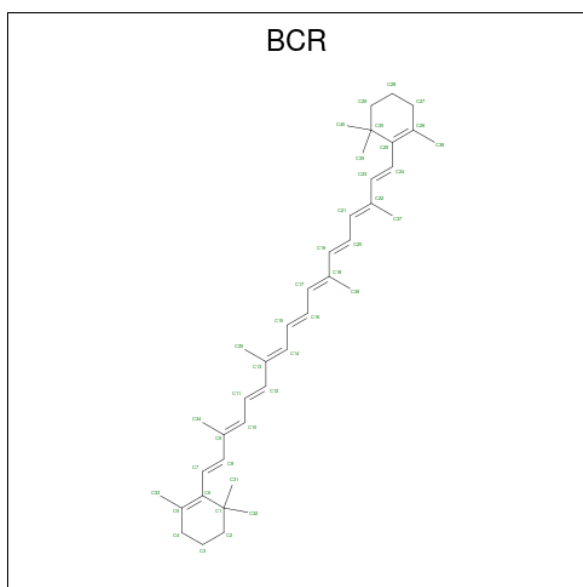
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	z	1	45	35	1	4	5	0

- Molecule 15 is PHYLLOQUINONE (three-letter code: PQN) (formula:  $C_{31}H_{46}O_2$ ).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
15	A	1	33	31	2	0
15	B	1	33	31	2	0
15	a	1	33	31	2	0
15	b	1	33	31	2	0
15	1	1	33	31	2	0
15	2	1	33	31	2	0

- Molecule 16 is BETA-CAROTENE (three-letter code: BCR) (formula:  $C_{40}H_{56}$ ).



Mol	Chain	Residues	Atoms	AltConf
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 40 40	0
16	A	1	Total C 25 25	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0
16	B	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	B	1	Total C 40 40	0
16	F	1	Total C 40 40	0
16	F	1	Total C 40 40	0
16	I	1	Total C 40 40	0
16	I	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	K	1	Total C 25 25	0
16	L	1	Total C 40 40	0
16	M	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 25 25	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0

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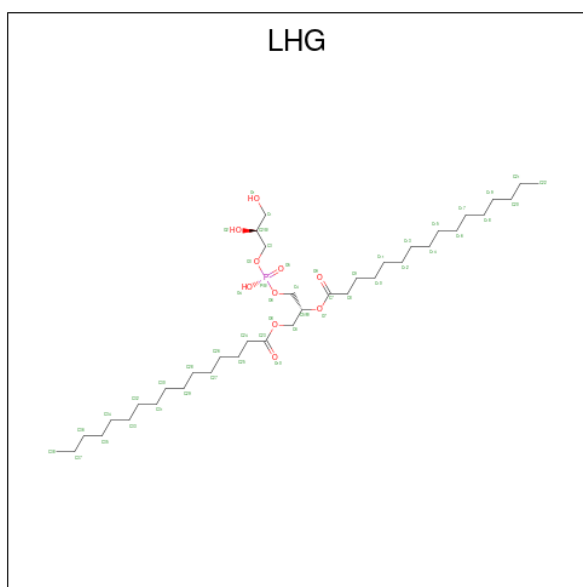
Mol	Chain	Residues	Atoms	AltConf
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	i	1	Total C 40 40	0
16	j	1	Total C 40 40	0
16	j	1	Total C 40 40	0
16	j	1	Total C 40 40	0
16	k	1	Total C 25 25	0
16	l	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	m	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 25 25	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	6	1	Total C 40 40	0
16	6	1	Total C 40 40	0
16	7	1	Total C 40 40	0
16	8	1	Total C 40 40	0
16	8	1	Total C 40 40	0
16	9	1	Total C 40 40	0
16	9	1	Total C 25 25	0
16	0	1	Total C 40 40	0
16	0	1	Total C 40 40	0
16	0	1	Total C 40 40	0
16	y	1	Total C 40 40	0

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



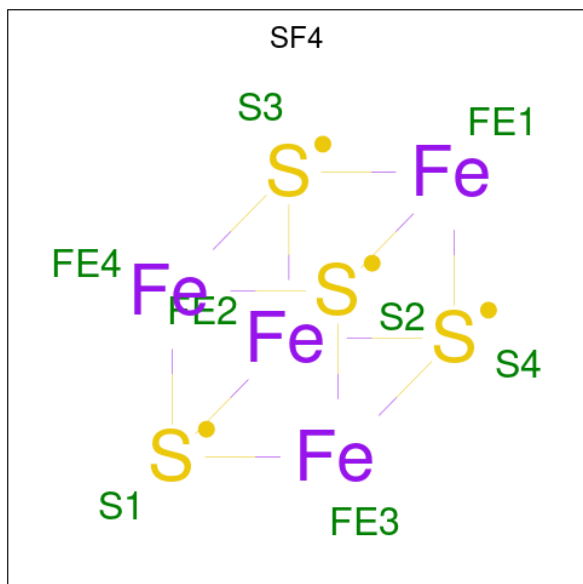
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
17	A	1	49	38	10	1	0
17	A	1	41	30	10	1	0
17	B	1	49	38	10	1	0
17	L	1	49	38	10	1	0
17	L	1	39	28	10	1	0
17	a	1	49	38	10	1	0
17	a	1	41	30	10	1	0
17	b	1	49	38	10	1	0
17	l	1	49	38	10	1	0
17	l	1	39	28	10	1	0
17	1	1	49	38	10	1	0
17	1	1	41	30	10	1	0
17	2	1	49	38	10	1	0
17	0	1	49	38	10	1	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
17	0	1	39	28	10	1	0

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

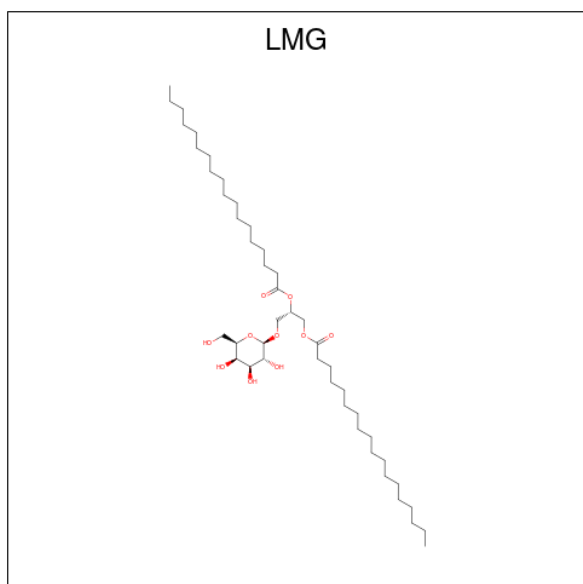


Mol	Chain	Residues	Atoms			AltConf
			Total	Fe	S	
18	B	1	8	4	4	0
18	C	1	8	4	4	0
18	C	1	8	4	4	0
18	b	1	8	4	4	0
18	c	1	8	4	4	0
18	c	1	8	4	4	0
18	2	1	8	4	4	0
18	3	1	8	4	4	0
18	3	1	8	4	4	0

- Molecule 19 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms		AltConf
19	B	1	Total	Ca	0
			1	1	
19	L	1	Total	Ca	0
			1	1	
19	b	1	Total	Ca	0
			1	1	
19	1	1	Total	Ca	0
			1	1	
19	2	1	Total	Ca	0
			1	1	
19	0	1	Total	Ca	0
			1	1	

- Molecule 20 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula:  $C_{45}H_{86}O_{10}$ ).



Mol	Chain	Residues	Atoms			AltConf
20	B	1	Total	C	O	0
			55	45	10	
20	b	1	Total	C	O	0
			55	45	10	
20	2	1	Total	C	O	0
			55	45	10	

- Molecule 21 is water.



Mol	Chain	Residues	Atoms	AltConf
21	A	65	Total O 65 65	0
21	B	77	Total O 77 77	0
21	C	28	Total O 28 28	0
21	D	22	Total O 22 22	0
21	E	7	Total O 7 7	0
21	F	4	Total O 4 4	0
21	I	1	Total O 1 1	0
21	J	1	Total O 1 1	0
21	K	1	Total O 1 1	0
21	L	10	Total O 10 10	0
21	M	1	Total O 1 1	0
21	a	65	Total O 65 65	0
21	b	74	Total O 74 74	0
21	c	28	Total O 28 28	0
21	d	19	Total O 19 19	0
21	e	9	Total O 9 9	0
21	f	5	Total O 5 5	0
21	i	2	Total O 2 2	0
21	j	1	Total O 1 1	0
21	k	1	Total O 1 1	0
21	l	11	Total O 11 11	0
21	m	2	Total O 2 2	0

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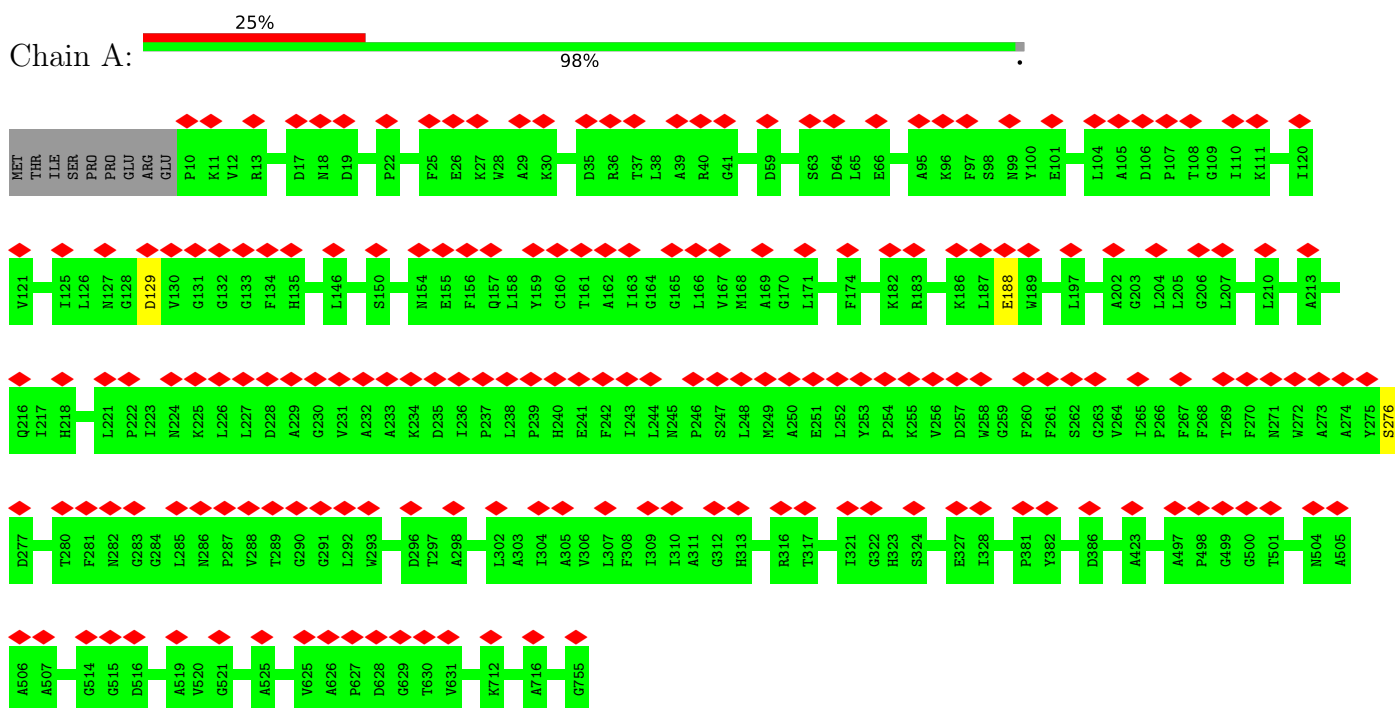
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Mol	Chain	Residues	Atoms		AltConf
21	1	65	Total 65	O 65	0
21	2	75	Total 75	O 75	0
21	3	27	Total 27	O 27	0
21	4	22	Total 22	O 22	0
21	5	8	Total 8	O 8	0
21	6	4	Total 4	O 4	0
21	7	2	Total 2	O 2	0
21	8	1	Total 1	O 1	0
21	9	1	Total 1	O 1	0
21	0	10	Total 10	O 10	0
21	y	2	Total 2	O 2	0

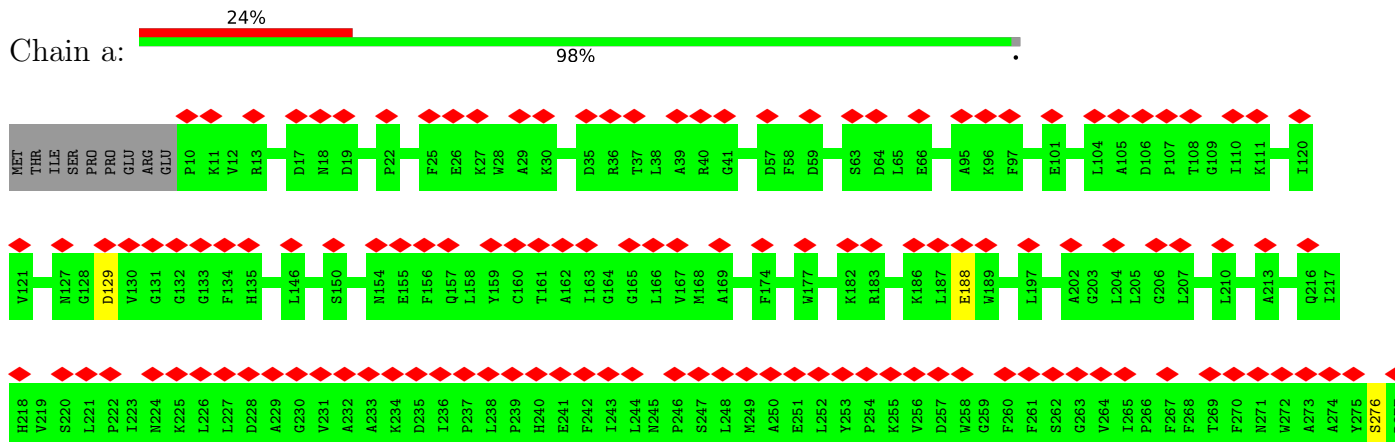
### 3 Residue-property plots [i](#)

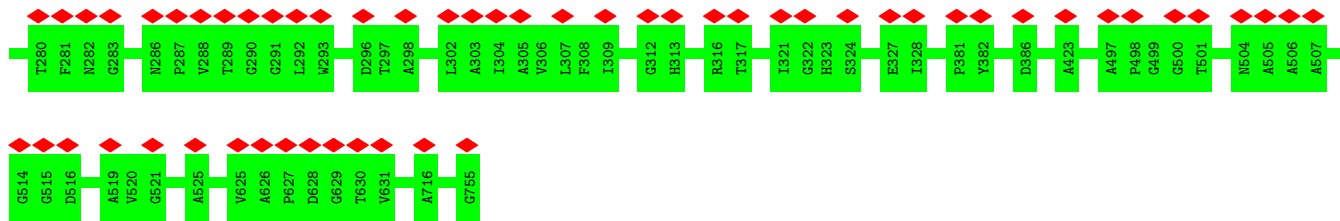
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

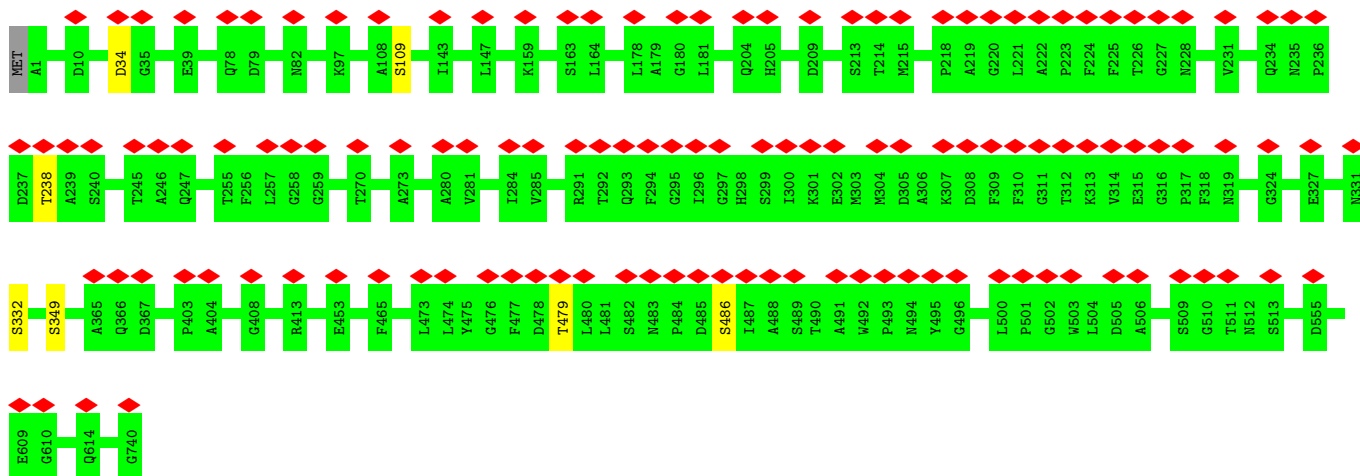




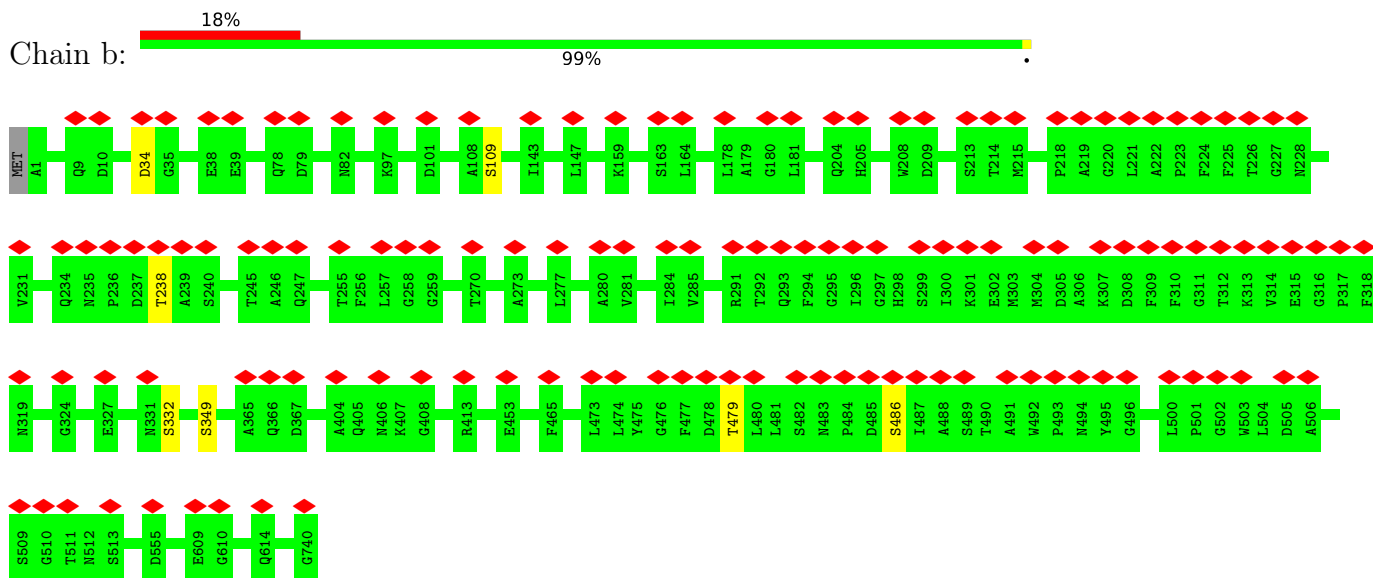
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



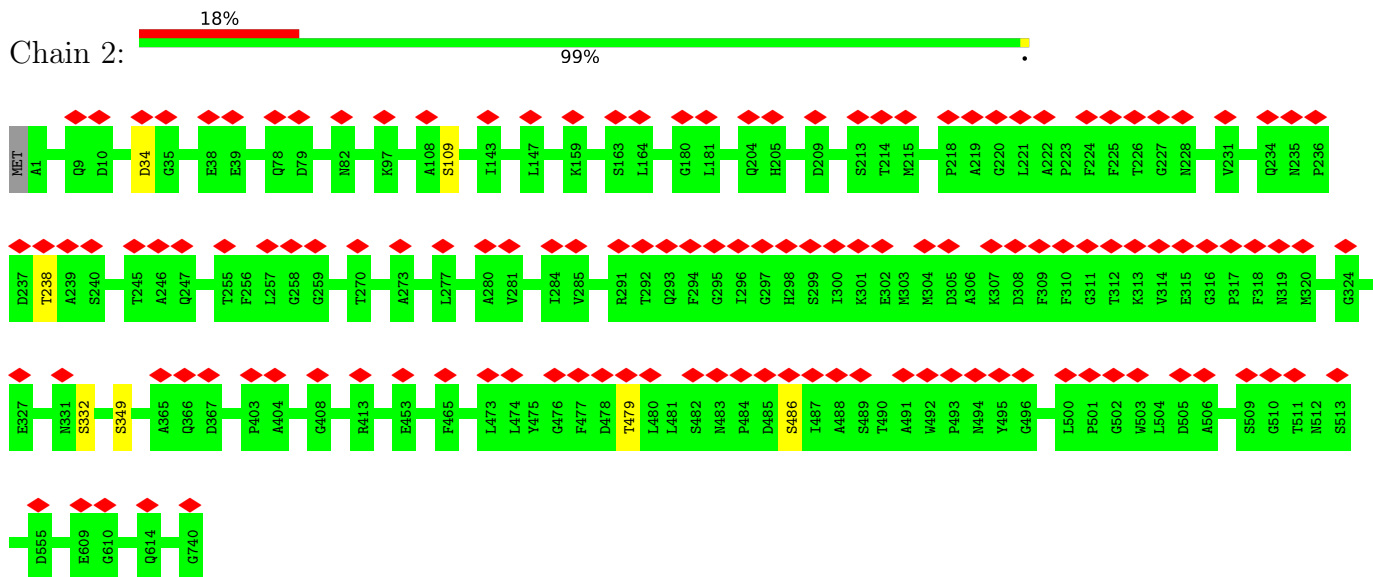
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



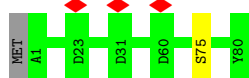
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



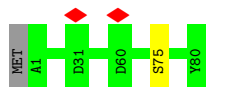
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



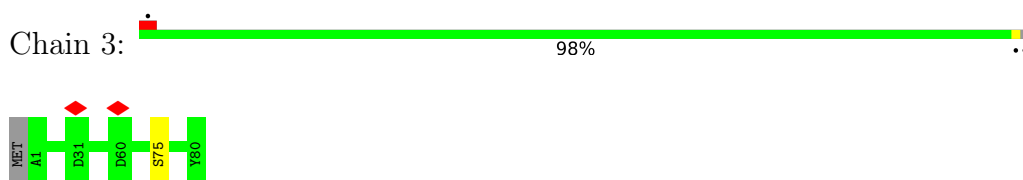
• Molecule 3: Photosystem I iron-sulfur center



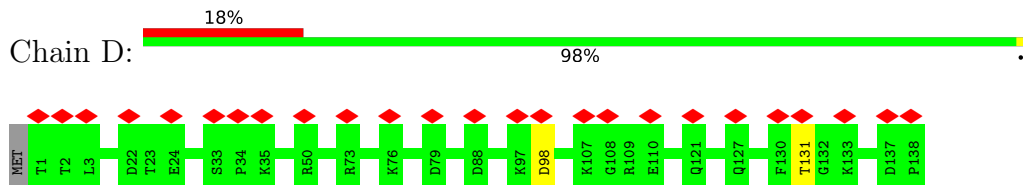
• Molecule 3: Photosystem I iron-sulfur center



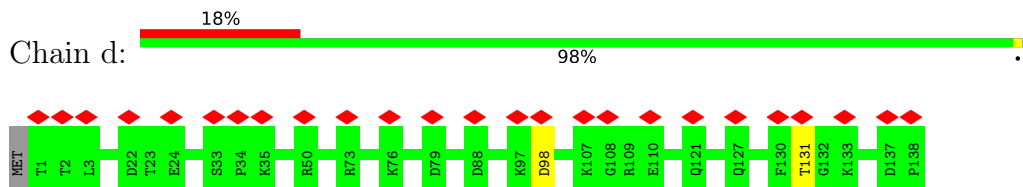
- Molecule 3: Photosystem I iron-sulfur center



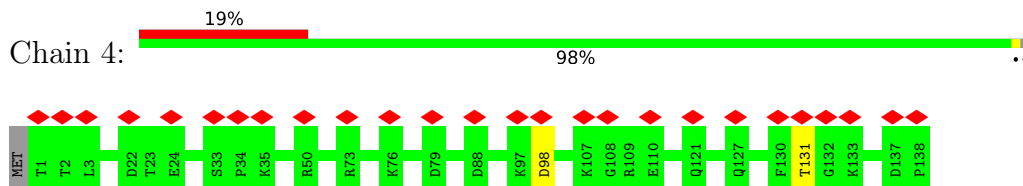
- Molecule 4: Photosystem I reaction center subunit II



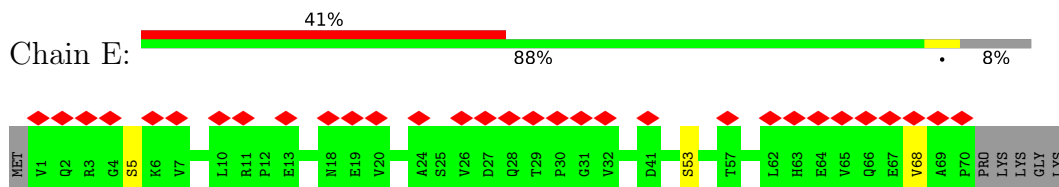
- Molecule 4: Photosystem I reaction center subunit II



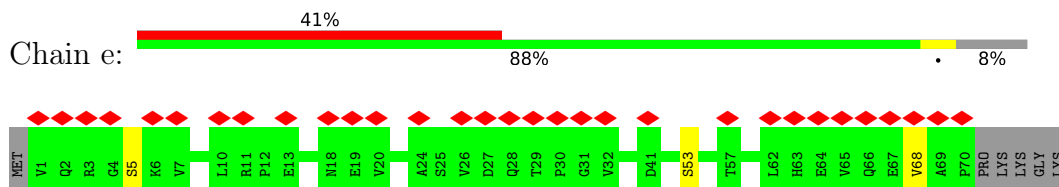
- Molecule 4: Photosystem I reaction center subunit II



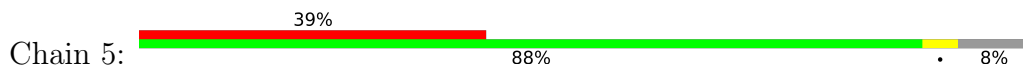
- Molecule 5: Photosystem I reaction center subunit IV

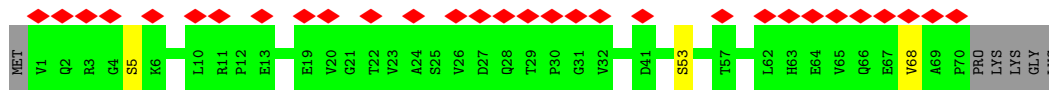


- Molecule 5: Photosystem I reaction center subunit IV

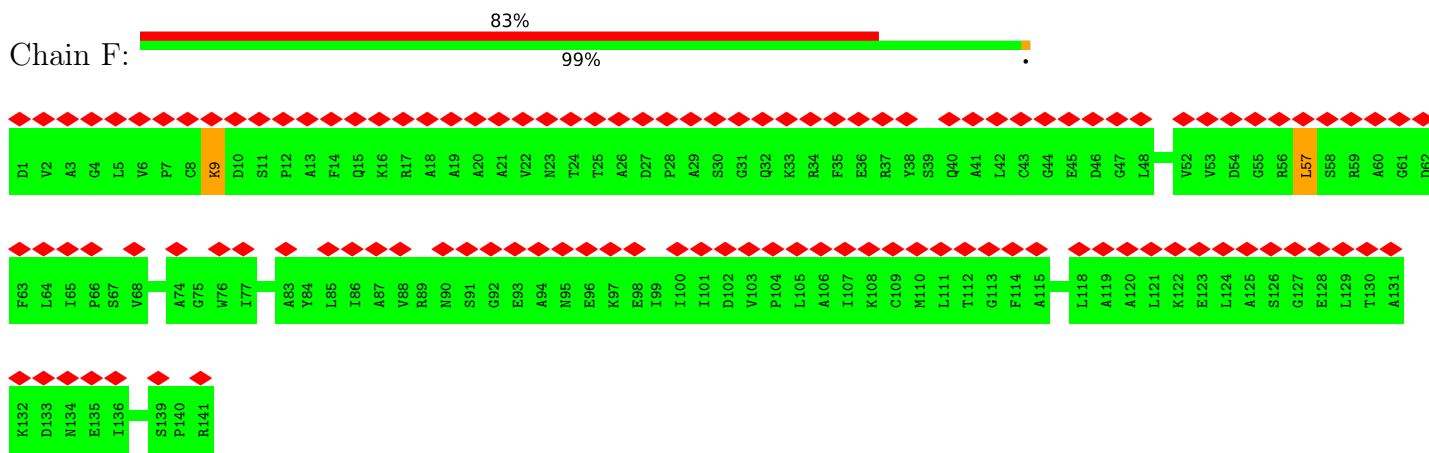


- Molecule 5: Photosystem I reaction center subunit IV

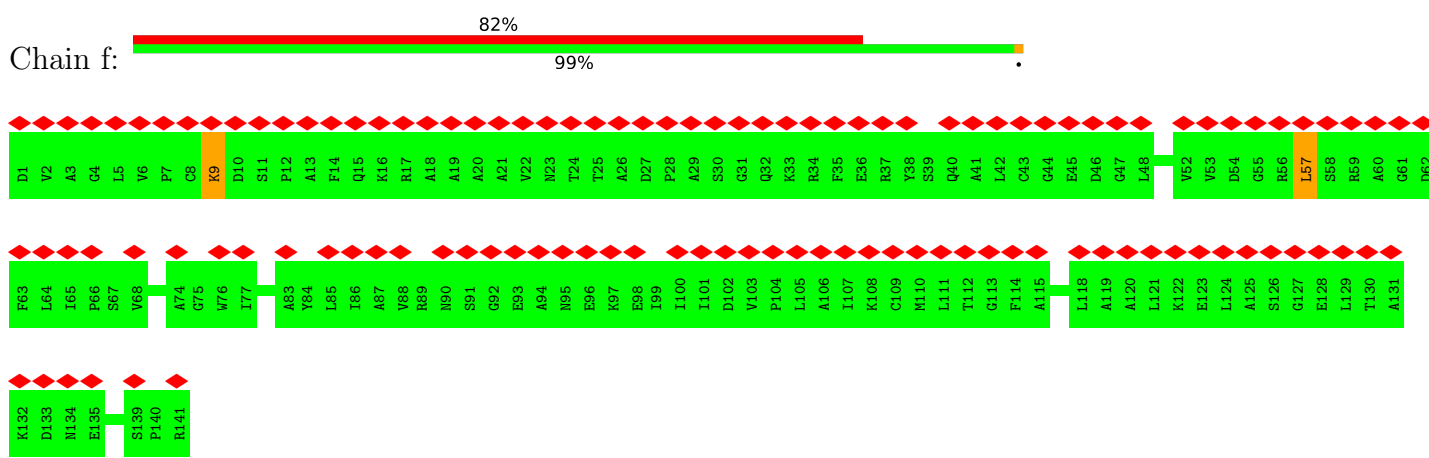




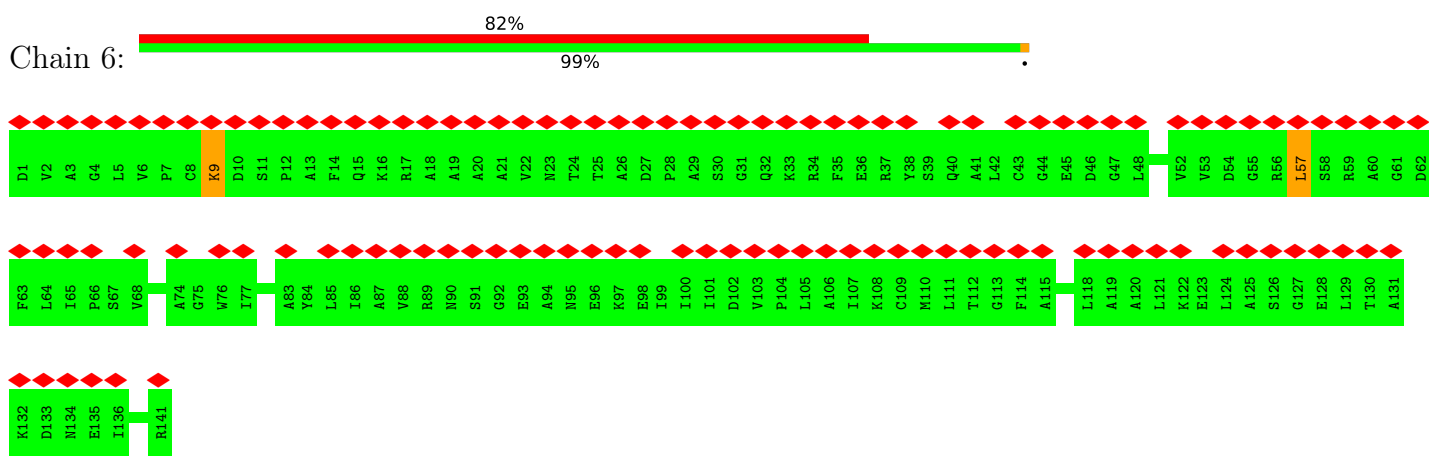
• Molecule 6: Photosystem I reaction center subunit III



• Molecule 6: Photosystem I reaction center subunit III



• Molecule 6: Photosystem I reaction center subunit III



• Molecule 7: Photosystem I reaction center subunit VIII



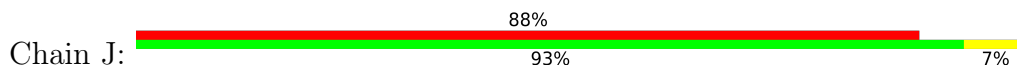
• Molecule 7: Photosystem I reaction center subunit VIII



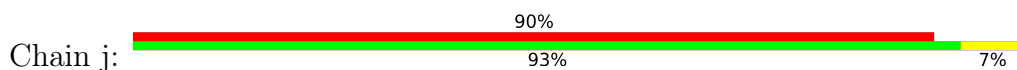
• Molecule 7: Photosystem I reaction center subunit VIII



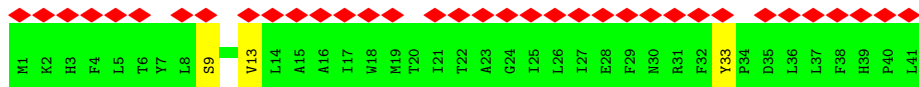
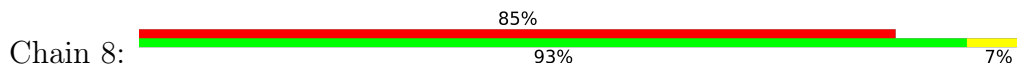
• Molecule 8: Photosystem I reaction center subunit IX



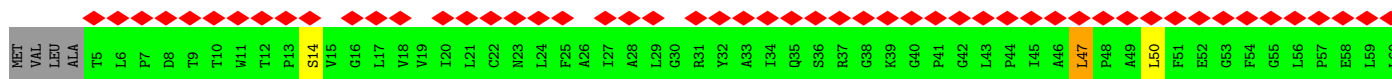
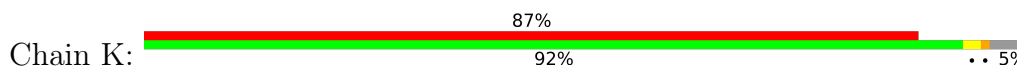
• Molecule 8: Photosystem I reaction center subunit IX



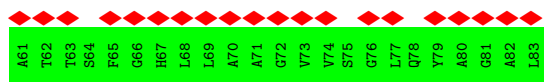
• Molecule 8: Photosystem I reaction center subunit IX



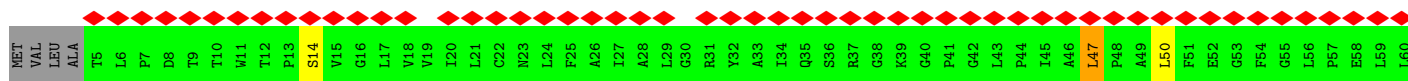
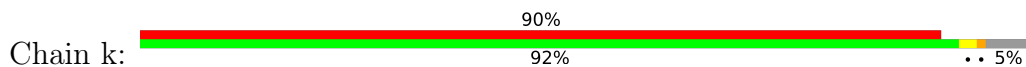
• Molecule 9: Photosystem I reaction center subunit PsaK



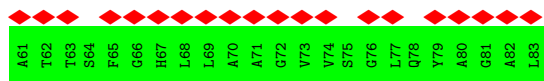
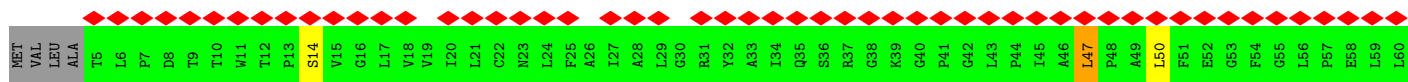
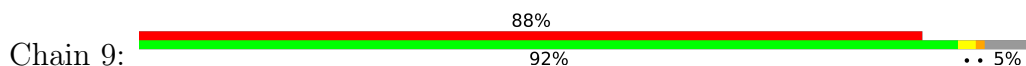




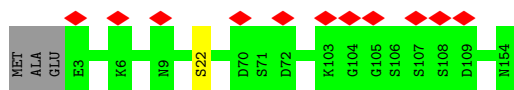
• Molecule 9: Photosystem I reaction center subunit PsaK



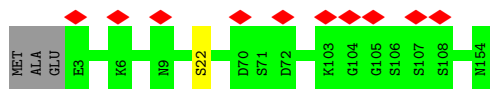
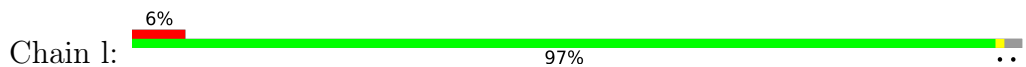
• Molecule 9: Photosystem I reaction center subunit PsaK



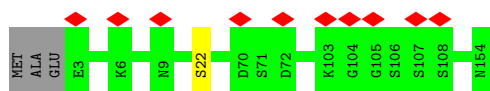
• Molecule 10: Photosystem I reaction center subunit XI



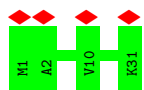
• Molecule 10: Photosystem I reaction center subunit XI



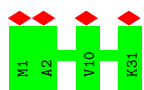
• Molecule 10: Photosystem I reaction center subunit XI



• Molecule 11: Photosystem I reaction center subunit XII



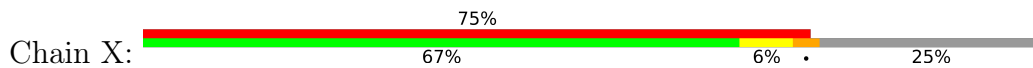
• Molecule 11: Photosystem I reaction center subunit XII



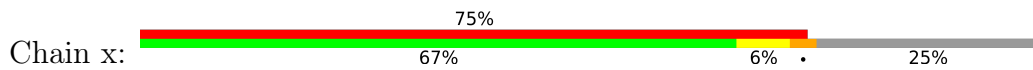
• Molecule 11: Photosystem I reaction center subunit XII



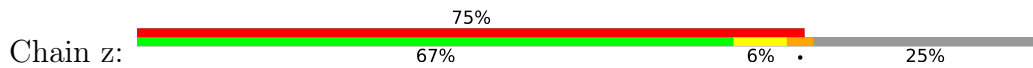
• Molecule 12: Photosystem I 4.8K protein



• Molecule 12: Photosystem I 4.8K protein



• Molecule 12: Photosystem I 4.8K protein



## 4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of particles used	175999	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION; CTFFIND4 was used to estimate contrast transfer function parameters. CTF correction was done in Relion 3.0.	Depositor
Microscope	FEI POLARA 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	32	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum map value	0.105	Depositor
Minimum map value	-0.076	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.003	Depositor
Recommended contour level	0.015	Depositor
Map size ( $\text{\AA}$ )	351.68002, 351.68002, 351.68002	wwPDB
Map dimensions	560, 560, 560	wwPDB
Map angles ( $^\circ$ )	90.0, 90.0, 90.0	wwPDB
Pixel spacing ( $\text{\AA}$ )	0.628, 0.628, 0.628	Depositor

## 5 Model quality [i](#)

### 5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: CLA, CL0, LHG, FME, SF4, PQN, LMG, CA, BCR

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	1	0.44	0/6027	0.51	0/8220
1	A	0.44	0/6027	0.51	0/8220
1	a	0.44	0/6027	0.51	0/8220
2	2	0.46	0/6112	0.50	0/8350
2	B	0.46	0/6112	0.50	0/8350
2	b	0.46	0/6112	0.50	0/8350
3	3	0.49	0/608	0.56	0/824
3	C	0.49	0/608	0.56	0/824
3	c	0.49	0/608	0.56	0/824
4	4	0.46	0/1101	0.52	0/1492
4	D	0.46	0/1101	0.52	0/1492
4	d	0.46	0/1101	0.52	0/1492
5	5	0.42	0/559	0.46	0/762
5	E	0.41	0/559	0.46	0/762
5	e	0.42	0/559	0.46	0/762
6	6	0.32	0/1087	0.59	2/1476 (0.1%)
6	F	0.32	0/1087	0.59	2/1476 (0.1%)
6	f	0.32	0/1087	0.59	2/1476 (0.1%)
7	7	0.48	0/304	0.48	0/415
7	I	0.48	0/304	0.48	0/415
7	i	0.48	0/304	0.48	0/415
8	8	0.45	0/342	0.62	0/467
8	J	0.45	0/342	0.62	0/467
8	j	0.45	0/342	0.62	0/467
9	9	0.32	0/585	0.66	1/800 (0.1%)
9	K	0.32	0/585	0.66	1/800 (0.1%)
9	k	0.33	0/585	0.66	1/800 (0.1%)
10	0	0.50	0/1153	0.49	0/1565
10	L	0.50	0/1153	0.49	0/1565
10	l	0.50	0/1153	0.49	0/1565
11	M	0.43	0/244	0.55	0/332
11	m	0.43	0/244	0.55	0/332

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
11	y	0.43	0/244	0.55	0/332
12	X	0.38	0/236	0.80	2/321 (0.6%)
12	x	0.38	0/236	0.80	2/321 (0.6%)
12	z	0.38	0/236	0.80	2/321 (0.6%)
All	All	0.44	0/55074	0.53	15/75072 (0.0%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
2	2	0	1
2	B	0	1
2	b	0	1
6	6	0	1
6	F	0	1
6	f	0	1
All	All	0	6

There are no bond length outliers.

All (15) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed( $^{\circ}$ )	Ideal( $^{\circ}$ )
6	F	9	LYS	CD-CE-NZ	7.35	128.60	111.70
6	f	9	LYS	CD-CE-NZ	7.34	128.58	111.70
6	6	9	LYS	CD-CE-NZ	7.33	128.55	111.70
9	k	47	LEU	CB-CG-CD1	5.70	120.69	111.00
9	K	47	LEU	CB-CG-CD1	5.69	120.67	111.00
9	9	47	LEU	CB-CG-CD1	5.68	120.65	111.00
6	6	57	LEU	CB-CG-CD2	5.41	120.20	111.00
6	f	57	LEU	CB-CG-CD2	5.41	120.19	111.00
6	F	57	LEU	CB-CG-CD2	5.39	120.17	111.00
12	x	19	LEU	CA-CB-CG	5.19	127.23	115.30
12	X	19	LEU	CA-CB-CG	5.18	127.21	115.30
12	z	19	LEU	CA-CB-CG	5.17	127.20	115.30
12	x	12	ARG	CA-CB-CG	5.04	124.50	113.40
12	z	12	ARG	CA-CB-CG	5.04	124.50	113.40
12	X	12	ARG	CA-CB-CG	5.02	124.45	113.40

There are no chirality outliers.

All (6) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	2	479	THR	Peptide
6	6	57	LEU	Peptide
2	B	479	THR	Peptide
6	F	57	LEU	Peptide
2	b	479	THR	Peptide
6	f	57	LEU	Peptide

## 5.2 Too-close contacts [i](#)

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 PDB entries followed by that with respect to all EM entries.

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	1	744/755 (98%)	688 (92%)	56 (8%)	0	100	100
1	A	744/755 (98%)	688 (92%)	56 (8%)	0	100	100
1	a	744/755 (98%)	688 (92%)	56 (8%)	0	100	100
2	2	738/741 (100%)	685 (93%)	53 (7%)	0	100	100
2	B	738/741 (100%)	685 (93%)	53 (7%)	0	100	100
2	b	738/741 (100%)	685 (93%)	53 (7%)	0	100	100
3	3	78/81 (96%)	66 (85%)	12 (15%)	0	100	100
3	C	78/81 (96%)	66 (85%)	12 (15%)	0	100	100
3	c	78/81 (96%)	67 (86%)	11 (14%)	0	100	100
4	4	136/139 (98%)	119 (88%)	17 (12%)	0	100	100
4	D	136/139 (98%)	119 (88%)	17 (12%)	0	100	100
4	d	136/139 (98%)	119 (88%)	17 (12%)	0	100	100
5	5	68/76 (90%)	67 (98%)	1 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
5	E	68/76 (90%)	67 (98%)	1 (2%)	0	100	100
5	e	68/76 (90%)	67 (98%)	1 (2%)	0	100	100
6	6	139/141 (99%)	117 (84%)	22 (16%)	0	100	100
6	F	139/141 (99%)	117 (84%)	22 (16%)	0	100	100
6	f	139/141 (99%)	117 (84%)	22 (16%)	0	100	100
7	7	36/38 (95%)	33 (92%)	3 (8%)	0	100	100
7	I	36/38 (95%)	33 (92%)	3 (8%)	0	100	100
7	i	36/38 (95%)	33 (92%)	3 (8%)	0	100	100
8	8	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	j	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
9	9	77/83 (93%)	73 (95%)	4 (5%)	0	100	100
9	K	77/83 (93%)	73 (95%)	4 (5%)	0	100	100
9	k	77/83 (93%)	73 (95%)	4 (5%)	0	100	100
10	0	150/155 (97%)	143 (95%)	7 (5%)	0	100	100
10	L	150/155 (97%)	143 (95%)	7 (5%)	0	100	100
10	l	150/155 (97%)	143 (95%)	7 (5%)	0	100	100
11	M	29/31 (94%)	27 (93%)	2 (7%)	0	100	100
11	m	29/31 (94%)	27 (93%)	2 (7%)	0	100	100
11	y	29/31 (94%)	27 (93%)	2 (7%)	0	100	100
12	X	25/36 (69%)	25 (100%)	0	0	100	100
12	x	25/36 (69%)	25 (100%)	0	0	100	100
12	z	25/36 (69%)	25 (100%)	0	0	100	100
All	All	6777/6951 (98%)	6241 (92%)	536 (8%)	0	100	100

There are no Ramachandran outliers to report.

### 5.3.2 Protein sidechains

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	1	594/603 (98%)	591 (100%)	3 (0%)	86	94
1	A	594/603 (98%)	591 (100%)	3 (0%)	86	94
1	a	594/603 (98%)	591 (100%)	3 (0%)	86	94
2	2	597/598 (100%)	591 (99%)	6 (1%)	73	87
2	B	597/598 (100%)	591 (99%)	6 (1%)	73	87
2	b	597/598 (100%)	591 (99%)	6 (1%)	73	87
3	3	67/68 (98%)	66 (98%)	1 (2%)	60	82
3	C	67/68 (98%)	66 (98%)	1 (2%)	60	82
3	c	67/68 (98%)	66 (98%)	1 (2%)	60	82
4	4	115/116 (99%)	113 (98%)	2 (2%)	56	80
4	D	115/116 (99%)	113 (98%)	2 (2%)	56	80
4	d	115/116 (99%)	113 (98%)	2 (2%)	56	80
5	5	60/65 (92%)	57 (95%)	3 (5%)	20	51
5	E	60/65 (92%)	57 (95%)	3 (5%)	20	51
5	e	60/65 (92%)	57 (95%)	3 (5%)	20	51
6	6	109/109 (100%)	108 (99%)	1 (1%)	75	88
6	F	109/109 (100%)	108 (99%)	1 (1%)	75	88
6	f	109/109 (100%)	108 (99%)	1 (1%)	75	88
7	7	31/31 (100%)	31 (100%)	0	100	100
7	I	31/31 (100%)	31 (100%)	0	100	100
7	i	31/31 (100%)	31 (100%)	0	100	100
8	8	35/35 (100%)	32 (91%)	3 (9%)	8	30
8	J	35/35 (100%)	32 (91%)	3 (9%)	8	30
8	j	35/35 (100%)	32 (91%)	3 (9%)	8	30
9	9	58/61 (95%)	55 (95%)	3 (5%)	19	50
9	K	58/61 (95%)	55 (95%)	3 (5%)	19	50
9	k	58/61 (95%)	55 (95%)	3 (5%)	19	50
10	0	117/120 (98%)	116 (99%)	1 (1%)	75	88
10	L	117/120 (98%)	116 (99%)	1 (1%)	75	88
10	l	117/120 (98%)	116 (99%)	1 (1%)	75	88
11	M	26/26 (100%)	26 (100%)	0	100	100
11	m	26/26 (100%)	26 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	y	26/26 (100%)	26 (100%)	0	100	100
12	X	21/28 (75%)	19 (90%)	2 (10%)	7	26
12	x	21/28 (75%)	19 (90%)	2 (10%)	7	26
12	z	21/28 (75%)	19 (90%)	2 (10%)	7	26
All	All	5490/5580 (98%)	5415 (99%)	75 (1%)	62	83

All (75) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	129	ASP
1	A	188	GLU
1	A	276	SER
2	B	34	ASP
2	B	109	SER
2	B	238	THR
2	B	332	SER
2	B	349	SER
2	B	486	SER
3	C	75	SER
4	D	98	ASP
4	D	131	THR
5	E	5	SER
5	E	53	SER
5	E	68	VAL
6	F	9	LYS
8	J	9	SER
8	J	13	VAL
8	J	33	TYR
9	K	14	SER
9	K	47	LEU
9	K	50	LEU
10	L	22	SER
12	X	12	ARG
12	X	18	LEU
1	a	129	ASP
1	a	188	GLU
1	a	276	SER
2	b	34	ASP
2	b	109	SER
2	b	238	THR
2	b	332	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	b	349	SER
2	b	486	SER
3	c	75	SER
4	d	98	ASP
4	d	131	THR
5	e	5	SER
5	e	53	SER
5	e	68	VAL
6	f	9	LYS
8	j	9	SER
8	j	13	VAL
8	j	33	TYR
9	k	14	SER
9	k	47	LEU
9	k	50	LEU
10	l	22	SER
12	x	12	ARG
12	x	18	LEU
1	1	129	ASP
1	1	188	GLU
1	1	276	SER
2	2	34	ASP
2	2	109	SER
2	2	238	THR
2	2	332	SER
2	2	349	SER
2	2	486	SER
3	3	75	SER
4	4	98	ASP
4	4	131	THR
5	5	5	SER
5	5	53	SER
5	5	68	VAL
6	6	9	LYS
8	8	9	SER
8	8	13	VAL
8	8	33	TYR
9	9	14	SER
9	9	47	LEU
9	9	50	LEU
10	0	22	SER
12	z	12	ARG

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Mol	Chain	Res	Type
12	z	18	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (72) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	93	HIS
1	A	191	GLN
1	A	198	ASN
1	A	240	HIS
1	A	301	HIS
1	A	353	HIS
1	A	372	GLN
1	A	618	GLN
2	B	33	HIS
2	B	261	HIS
2	B	405	GLN
2	B	416	GLN
2	B	470	HIS
2	B	508	ASN
2	B	639	ASN
4	D	71	GLN
9	K	23	ASN
10	L	9	ASN
10	L	16	HIS
10	L	33	ASN
10	L	75	ASN
12	X	23	ASN
1	a	93	HIS
1	a	191	GLN
1	a	198	ASN
1	a	240	HIS
1	a	301	HIS
1	a	353	HIS
1	a	372	GLN
1	a	618	GLN
2	b	33	HIS
2	b	261	HIS
2	b	405	GLN
2	b	406	ASN
2	b	416	GLN
2	b	470	HIS
2	b	508	ASN

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Mol	Chain	Res	Type
2	b	639	ASN
4	d	71	GLN
6	f	40	GLN
8	j	39	HIS
9	k	23	ASN
10	l	9	ASN
10	l	16	HIS
10	l	33	ASN
10	l	75	ASN
12	x	23	ASN
1	1	93	HIS
1	1	191	GLN
1	1	198	ASN
1	1	240	HIS
1	1	301	HIS
1	1	353	HIS
1	1	372	GLN
1	1	618	GLN
1	1	718	GLN
2	2	33	HIS
2	2	157	GLN
2	2	261	HIS
2	2	405	GLN
2	2	406	ASN
2	2	416	GLN
2	2	470	HIS
2	2	508	ASN
2	2	639	ASN
4	4	71	GLN
9	9	23	ASN
10	0	9	ASN
10	0	16	HIS
10	0	33	ASN
10	0	75	ASN
12	z	23	ASN

### 5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

## 5.4 Non-standard residues in protein, DNA, RNA chains

6 non-standard protein/DNA/RNA residues are modelled in this entry.

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
8	FME	8	1	8	8,9,10	0.95	0	7,9,11	0.87	0
8	FME	J	1	8	8,9,10	0.95	0	7,9,11	0.87	0
8	FME	j	1	8	8,9,10	0.95	0	7,9,11	0.88	0
7	FME	7	1	7	8,9,10	1.00	0	7,9,11	1.23	1 (14%)
7	FME	I	1	7	8,9,10	1.00	0	7,9,11	1.23	1 (14%)
7	FME	i	1	7	8,9,10	1.00	0	7,9,11	1.24	1 (14%)

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
8	FME	8	1	8	-	1/7/9/11	-
8	FME	J	1	8	-	1/7/9/11	-
8	FME	j	1	8	-	1/7/9/11	-
7	FME	7	1	7	-	3/7/9/11	-
7	FME	I	1	7	-	3/7/9/11	-
7	FME	i	1	7	-	3/7/9/11	-

There are no bond length outliers.

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
7	i	1	FME	C-CA-N	2.69	114.58	109.73
7	7	1	FME	C-CA-N	2.68	114.57	109.73
7	I	1	FME	C-CA-N	2.67	114.56	109.73

There are no chirality outliers.

All (12) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
7	I	1	FME	C-CA-CB-CG
7	i	1	FME	C-CA-CB-CG
7	7	1	FME	C-CA-CB-CG
8	J	1	FME	CB-CG-SD-CE
8	j	1	FME	CB-CG-SD-CE
8	8	1	FME	CB-CG-SD-CE
7	I	1	FME	N-CA-CB-CG
7	i	1	FME	N-CA-CB-CG
7	7	1	FME	N-CA-CB-CG
7	I	1	FME	CB-CG-SD-CE
7	i	1	FME	CB-CG-SD-CE
7	7	1	FME	CB-CG-SD-CE

There are no ring outliers.

No monomer is involved in short contacts.

## 5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

## 5.6 Ligand geometry [i](#)

Of 402 ligands modelled in this entry, 6 are monoatomic - leaving 396 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	L	204	-	65,73,73	1.43	10 (15%)	76,113,113	1.54	11 (14%)
14	CLA	A	817	21	65,73,73	1.50	8 (12%)	76,113,113	1.49	9 (11%)
16	BCR	l	209	-	41,41,41	1.22	4 (9%)	56,56,56	1.30	6 (10%)
14	CLA	A	837	1	45,53,73	1.80	6 (13%)	52,89,113	1.52	8 (15%)
14	CLA	b	3004	-	65,73,73	1.41	9 (13%)	76,113,113	1.46	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	F	205	-	41,41,41	1.17	2 (4%)	56,56,56	1.37	9 (16%)
14	CLA	B	3003	21	65,73,73	1.43	8 (12%)	76,113,113	1.70	10 (13%)
14	CLA	a	802	-	65,73,73	1.43	8 (12%)	76,113,113	1.64	11 (14%)
14	CLA	A	812	-	65,73,73	1.47	7 (10%)	76,113,113	1.36	7 (9%)
14	CLA	A	820	-	65,73,73	1.45	8 (12%)	76,113,113	1.57	10 (13%)
14	CLA	2	3028	-	65,73,73	1.49	9 (13%)	76,113,113	1.40	9 (11%)
14	CLA	a	831	-	60,68,73	1.53	10 (16%)	70,107,113	1.47	8 (11%)
14	CLA	b	3028	-	65,73,73	1.49	9 (13%)	76,113,113	1.40	9 (11%)
16	BCR	J	103	-	41,41,41	1.14	2 (4%)	56,56,56	1.15	4 (7%)
14	CLA	2	3007	-	65,73,73	1.45	8 (12%)	76,113,113	1.51	9 (11%)
14	CLA	1	843	21	65,73,73	1.48	9 (13%)	76,113,113	1.47	8 (10%)
14	CLA	X	1701	-	45,53,73	1.83	6 (13%)	52,89,113	1.57	6 (11%)
16	BCR	B	3052	-	41,41,41	1.41	4 (9%)	56,56,56	1.29	6 (10%)
14	CLA	1	807	-	65,73,73	1.43	8 (12%)	76,113,113	1.50	6 (7%)
14	CLA	0	209	21	65,73,73	1.44	8 (12%)	76,113,113	1.48	8 (10%)
14	CLA	a	813	-	65,73,73	1.47	8 (12%)	76,113,113	1.42	6 (7%)
14	CLA	b	3029	-	65,73,73	1.48	10 (15%)	76,113,113	1.33	8 (10%)
14	CLA	2	3013	-	45,53,73	1.76	8 (17%)	52,89,113	1.61	7 (13%)
16	BCR	f	205	-	41,41,41	1.17	2 (4%)	56,56,56	1.37	9 (16%)
17	LHG	l	201	-	48,48,48	0.68	1 (2%)	51,54,54	1.30	5 (9%)
14	CLA	2	3024	-	45,53,73	1.76	7 (15%)	52,89,113	1.71	7 (13%)
14	CLA	2	3025	2	65,73,73	1.48	7 (10%)	76,113,113	1.38	6 (7%)
14	CLA	8	101	-	45,53,73	1.78	5 (11%)	52,89,113	1.62	8 (15%)
14	CLA	a	824	-	65,73,73	1.45	7 (10%)	76,113,113	1.48	8 (10%)
14	CLA	A	855	-	36,44,73	1.94	7 (19%)	40,76,113	1.60	6 (15%)
14	CLA	A	825	-	65,73,73	1.45	7 (10%)	76,113,113	1.47	8 (10%)
14	CLA	a	819	-	65,73,73	1.46	8 (12%)	76,113,113	1.57	11 (14%)
14	CLA	B	3026	21	65,73,73	1.50	8 (12%)	76,113,113	1.64	14 (18%)
14	CLA	a	841	-	65,73,73	1.49	7 (10%)	76,113,113	1.41	8 (10%)
17	LHG	l	202	-	38,38,48	0.76	0	41,44,54	1.28	4 (9%)
16	BCR	k	103	-	25,25,41	1.07	1 (4%)	33,33,56	1.22	2 (6%)
14	CLA	B	3012	-	65,73,73	1.45	10 (15%)	76,113,113	1.56	10 (13%)
14	CLA	1	832	-	60,68,73	1.53	10 (16%)	70,107,113	1.47	8 (11%)
14	CLA	1	811	-	49,57,73	1.68	7 (14%)	55,93,113	1.44	5 (9%)
14	CLA	b	3030	-	65,73,73	1.44	9 (13%)	76,113,113	1.46	8 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	2	3012	-	65,73,73	1.45	10 (15%)	76,113,113	1.55	10 (13%)
14	CLA	a	835	-	65,73,73	1.47	9 (13%)	76,113,113	1.45	7 (9%)
16	BCR	b	3047	-	41,41,41	1.19	2 (4%)	56,56,56	1.22	7 (12%)
14	CLA	2	3008	-	65,73,73	1.48	9 (13%)	76,113,113	1.44	9 (11%)
14	CLA	A	833	-	65,73,73	1.42	10 (15%)	76,113,113	1.36	6 (7%)
14	CLA	1	837	1	45,53,73	1.81	6 (13%)	52,89,113	1.53	8 (15%)
14	CLA	A	843	21	65,73,73	1.50	9 (13%)	76,113,113	1.47	8 (10%)
16	BCR	A	846	-	41,41,41	1.20	2 (4%)	56,56,56	1.36	11 (19%)
14	CLA	B	3030	-	65,73,73	1.44	9 (13%)	76,113,113	1.46	9 (11%)
14	CLA	1	829	-	65,73,73	1.46	7 (10%)	76,113,113	1.57	7 (9%)
16	BCR	J	104	-	41,41,41	1.20	2 (4%)	56,56,56	1.28	7 (12%)
14	CLA	A	823	-	45,53,73	1.74	6 (13%)	52,89,113	1.68	7 (13%)
14	CLA	1	840	-	65,73,73	1.47	8 (12%)	76,113,113	1.39	9 (11%)
14	CLA	2	3027	-	65,73,73	1.49	8 (12%)	76,113,113	1.42	6 (7%)
16	BCR	j	1104	-	41,41,41	1.13	2 (4%)	56,56,56	1.15	4 (7%)
16	BCR	2	3046	-	41,41,41	1.26	3 (7%)	56,56,56	1.21	6 (10%)
14	CLA	A	830	-	65,73,73	1.42	9 (13%)	76,113,113	1.51	8 (10%)
14	CLA	b	3033	-	65,73,73	1.49	8 (12%)	76,113,113	1.54	10 (13%)
14	CLA	1	842	-	65,73,73	1.50	8 (12%)	76,113,113	1.42	8 (10%)
14	CLA	A	805	-	59,67,73	1.50	7 (11%)	68,105,113	1.58	7 (10%)
14	CLA	a	808	1	65,73,73	1.43	8 (12%)	76,113,113	1.48	8 (10%)
14	CLA	a	810	-	49,57,73	1.69	7 (14%)	55,93,113	1.44	5 (9%)
13	CL0	a	801	-	65,73,73	1.44	8 (12%)	76,113,113	1.50	8 (10%)
14	CLA	A	839	-	65,73,73	1.46	9 (13%)	76,113,113	1.45	9 (11%)
17	LHG	a	852	-	48,48,48	0.78	2 (4%)	51,54,54	1.23	4 (7%)
14	CLA	b	3006	-	65,73,73	1.47	9 (13%)	76,113,113	1.50	10 (13%)
14	CLA	b	3009	-	65,73,73	1.46	9 (13%)	76,113,113	1.48	9 (11%)
14	CLA	1	844	17	45,53,73	1.71	6 (13%)	52,89,113	1.78	7 (13%)
14	CLA	B	3033	-	65,73,73	1.49	7 (10%)	76,113,113	1.54	10 (13%)
14	CLA	b	3025	2	65,73,73	1.48	7 (10%)	76,113,113	1.38	6 (7%)
14	CLA	B	3038	-	60,68,73	1.54	8 (13%)	70,107,113	1.46	8 (11%)
14	CLA	F	201	21	58,66,73	1.58	7 (12%)	67,104,113	1.48	7 (10%)
14	CLA	A	838	-	65,73,73	1.43	7 (10%)	76,113,113	1.61	10 (13%)
14	CLA	F	204	-	50,58,73	1.71	6 (12%)	58,95,113	1.61	8 (13%)
14	CLA	A	818	-	65,73,73	1.47	6 (9%)	76,113,113	1.43	10 (13%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A	842	-	65,73,73	1.50	8 (12%)	76,113,113	1.42	8 (10%)
14	CLA	2	3042	-	65,73,73	1.50	7 (10%)	76,113,113	1.49	10 (13%)
14	CLA	A	827	21	65,73,73	1.43	7 (10%)	76,113,113	1.58	9 (11%)
18	SF4	2	3001	1,2	0,12,12	-	-	-	-	-
14	CLA	1	812	-	65,73,73	1.47	7 (10%)	76,113,113	1.35	7 (9%)
14	CLA	b	3012	-	65,73,73	1.45	10 (15%)	76,113,113	1.56	10 (13%)
14	CLA	A	832	-	60,68,73	1.54	10 (16%)	70,107,113	1.47	8 (11%)
14	CLA	1	803	21	65,73,73	1.55	10 (15%)	76,113,113	1.35	6 (7%)
14	CLA	2	3020	21	65,73,73	1.50	8 (12%)	76,113,113	1.46	7 (9%)
14	CLA	1	826	21	65,73,73	1.45	9 (13%)	76,113,113	1.52	8 (10%)
14	CLA	B	3009	-	65,73,73	1.46	9 (13%)	76,113,113	1.48	9 (11%)
14	CLA	1	828	-	65,73,73	1.46	7 (10%)	76,113,113	1.40	7 (9%)
14	CLA	2	3014	-	65,73,73	1.47	7 (10%)	76,113,113	1.43	6 (7%)
14	CLA	b	3027	-	65,73,73	1.49	8 (12%)	76,113,113	1.43	6 (7%)
14	CLA	B	3041	21	65,73,73	1.45	9 (13%)	76,113,113	1.45	8 (10%)
16	BCR	b	3046	-	41,41,41	1.25	3 (7%)	56,56,56	1.22	6 (10%)
16	BCR	0	205	-	41,41,41	1.42	4 (9%)	56,56,56	1.30	6 (10%)
14	CLA	2	3035	-	65,73,73	1.45	7 (10%)	76,113,113	1.46	8 (10%)
14	CLA	B	3024	-	45,53,73	1.76	7 (15%)	52,89,113	1.71	8 (15%)
14	CLA	2	3029	-	65,73,73	1.49	10 (15%)	76,113,113	1.32	8 (10%)
14	CLA	A	824	-	65,73,73	1.47	7 (10%)	76,113,113	1.49	9 (11%)
14	CLA	6	204	-	50,58,73	1.70	6 (12%)	58,95,113	1.61	8 (13%)
18	SF4	b	3001	1,2	0,12,12	-	-	-	-	-
14	CLA	B	3021	-	65,73,73	1.49	6 (9%)	76,113,113	1.34	9 (11%)
14	CLA	a	822	-	45,53,73	1.74	6 (13%)	52,89,113	1.69	6 (11%)
14	CLA	a	828	-	65,73,73	1.46	7 (10%)	76,113,113	1.56	7 (9%)
14	CLA	b	3008	-	65,73,73	1.47	9 (13%)	76,113,113	1.43	9 (11%)
16	BCR	A	849	-	41,41,41	1.15	2 (4%)	56,56,56	1.19	6 (10%)
14	CLA	A	829	-	65,73,73	1.47	7 (10%)	76,113,113	1.56	7 (9%)
14	CLA	A	840	-	65,73,73	1.47	8 (12%)	76,113,113	1.38	9 (11%)
16	BCR	1	849	-	41,41,41	1.34	4 (9%)	56,56,56	1.30	6 (10%)
17	LHG	1	853	14	40,40,48	0.77	2 (5%)	43,46,54	1.17	3 (6%)
14	CLA	K	101	-	46,54,73	1.78	7 (15%)	53,90,113	1.51	6 (11%)
14	CLA	6	203	21	45,53,73	1.75	7 (15%)	52,89,113	1.66	7 (13%)
16	BCR	f	202	-	41,41,41	1.16	3 (7%)	56,56,56	1.23	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	b	3003	21	65,73,73	1.43	8 (12%)	76,113,113	1.70	10 (13%)
14	CLA	a	818	-	65,73,73	1.49	8 (12%)	76,113,113	1.47	8 (10%)
14	CLA	1	815	-	65,73,73	1.48	7 (10%)	76,113,113	1.37	7 (9%)
14	CLA	2	3032	-	49,57,73	1.65	7 (14%)	55,93,113	1.62	7 (12%)
14	CLA	a	833	-	65,73,73	1.44	8 (12%)	76,113,113	1.55	9 (11%)
16	BCR	a	846	-	41,41,41	1.13	3 (7%)	56,56,56	1.27	8 (14%)
14	CLA	a	814	-	65,73,73	1.49	7 (10%)	76,113,113	1.38	7 (9%)
14	CLA	1	806	-	65,73,73	1.44	11 (16%)	76,113,113	1.60	11 (14%)
14	CLA	a	811	-	65,73,73	1.47	7 (10%)	76,113,113	1.35	7 (9%)
14	CLA	1	833	-	65,73,73	1.43	9 (13%)	76,113,113	1.37	6 (7%)
14	CLA	2	3040	-	47,55,73	1.77	8 (17%)	54,91,113	1.47	7 (12%)
14	CLA	B	3027	-	65,73,73	1.49	8 (12%)	76,113,113	1.43	6 (7%)
16	BCR	1	847	-	41,41,41	1.23	3 (7%)	56,56,56	1.39	8 (14%)
18	SF4	c	102	3	0,12,12	-	-	-	-	-
14	CLA	2	3010	-	65,73,73	1.47	8 (12%)	76,113,113	1.61	13 (17%)
14	CLA	2	3019	-	65,73,73	1.44	7 (10%)	76,113,113	1.52	8 (10%)
14	CLA	6	201	21	58,66,73	1.58	7 (12%)	67,104,113	1.48	7 (10%)
14	CLA	2	3037	21	45,53,73	1.82	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	A	828	-	65,73,73	1.46	7 (10%)	76,113,113	1.41	7 (9%)
16	BCR	0	211	-	41,41,41	1.16	3 (7%)	56,56,56	1.20	5 (8%)
16	BCR	a	845	-	41,41,41	1.19	2 (4%)	56,56,56	1.36	11 (19%)
13	CL0	A	801	-	65,73,73	1.44	9 (13%)	76,113,113	1.49	8 (10%)
14	CLA	1	817	21	65,73,73	1.49	7 (10%)	76,113,113	1.49	9 (11%)
16	BCR	A	851	-	41,41,41	1.31	3 (7%)	56,56,56	1.30	7 (12%)
14	CLA	1	805	-	59,67,73	1.50	7 (11%)	68,105,113	1.58	7 (10%)
14	CLA	B	3004	-	65,73,73	1.42	8 (12%)	76,113,113	1.46	7 (9%)
16	BCR	j	1106	-	41,41,41	1.26	2 (4%)	56,56,56	1.43	11 (19%)
18	SF4	3	101	3	0,12,12	-	-	-	-	-
16	BCR	l	210	-	41,41,41	1.17	3 (7%)	56,56,56	1.20	5 (8%)
14	CLA	b	3011	2	65,73,73	1.44	9 (13%)	76,113,113	1.58	10 (13%)
14	CLA	a	832	-	65,73,73	1.43	10 (15%)	76,113,113	1.37	6 (7%)
14	CLA	A	803	21	65,73,73	1.54	9 (13%)	76,113,113	1.35	6 (7%)
16	BCR	9	104	-	25,25,41	1.07	1 (4%)	33,33,56	1.22	2 (6%)
14	CLA	B	3042	-	65,73,73	1.49	7 (10%)	76,113,113	1.49	10 (13%)
15	PQN	1	845	-	34,34,34	0.42	0	42,45,45	0.34	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	f	204	-	50,58,73	1.70	6 (12%)	58,95,113	1.61	8 (13%)
14	CLA	b	3023	21	55,63,73	1.59	6 (10%)	64,101,113	1.59	7 (10%)
14	CLA	1	810	1	65,73,73	1.46	7 (10%)	76,113,113	1.46	8 (10%)
14	CLA	B	3020	21	65,73,73	1.51	8 (12%)	76,113,113	1.46	7 (9%)
17	LHG	b	3051	-	48,48,48	0.67	1 (2%)	51,54,54	1.18	5 (9%)
16	BCR	2	3047	-	41,41,41	1.19	3 (7%)	56,56,56	1.23	8 (14%)
14	CLA	A	806	-	65,73,73	1.43	10 (15%)	76,113,113	1.61	11 (14%)
14	CLA	J	102	-	38,45,73	1.92	8 (21%)	43,78,113	1.62	5 (11%)
14	CLA	1	819	-	65,73,73	1.49	8 (12%)	76,113,113	1.47	8 (10%)
14	CLA	B	3014	-	65,73,73	1.46	7 (10%)	76,113,113	1.43	6 (7%)
14	CLA	b	3040	-	47,55,73	1.78	8 (17%)	54,91,113	1.46	7 (12%)
16	BCR	y	101	-	41,41,41	1.21	3 (7%)	56,56,56	1.24	5 (8%)
16	BCR	2	3044	-	41,41,41	1.14	2 (4%)	56,56,56	1.19	5 (8%)
16	BCR	i	101	-	41,41,41	1.27	3 (7%)	56,56,56	1.26	5 (8%)
14	CLA	a	826	21	65,73,73	1.44	7 (10%)	76,113,113	1.58	9 (11%)
14	CLA	b	3019	-	65,73,73	1.45	7 (10%)	76,113,113	1.52	8 (10%)
17	LHG	B	3051	-	48,48,48	0.67	1 (2%)	51,54,54	1.18	5 (9%)
14	CLA	a	838	-	65,73,73	1.46	9 (13%)	76,113,113	1.46	9 (11%)
16	BCR	I	101	-	41,41,41	1.27	3 (7%)	56,56,56	1.25	5 (8%)
14	CLA	l	208	21	65,73,73	1.45	8 (12%)	76,113,113	1.48	8 (10%)
17	LHG	2	3051	-	48,48,48	0.67	1 (2%)	51,54,54	1.18	5 (9%)
14	CLA	B	3039	-	65,73,73	1.45	7 (10%)	76,113,113	1.59	10 (13%)
16	BCR	B	3044	-	41,41,41	1.15	2 (4%)	56,56,56	1.19	5 (8%)
14	CLA	1	823	-	45,53,73	1.74	6 (13%)	52,89,113	1.69	7 (13%)
14	CLA	B	3007	-	65,73,73	1.45	8 (12%)	76,113,113	1.52	9 (11%)
16	BCR	A	847	-	41,41,41	1.14	3 (7%)	56,56,56	1.27	7 (12%)
14	CLA	1	809	1	65,73,73	1.44	8 (12%)	76,113,113	1.48	8 (10%)
14	CLA	b	3018	-	65,73,73	1.51	8 (12%)	76,113,113	1.43	10 (13%)
14	CLA	1	820	-	65,73,73	1.46	8 (12%)	76,113,113	1.57	10 (13%)
16	BCR	0	210	-	41,41,41	1.22	4 (9%)	56,56,56	1.30	6 (10%)
16	BCR	A	850	-	41,41,41	1.34	3 (7%)	56,56,56	1.29	6 (10%)
14	CLA	A	802	-	65,73,73	1.42	9 (13%)	76,113,113	1.64	10 (13%)
14	CLA	A	814	-	65,73,73	1.48	8 (12%)	76,113,113	1.42	6 (7%)
14	CLA	M	1601	-	36,44,73	1.95	8 (22%)	40,76,113	1.59	6 (15%)
16	BCR	a	848	-	41,41,41	1.15	2 (4%)	56,56,56	1.19	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	F	203	21	45,53,73	1.77	7 (15%)	52,89,113	1.66	6 (11%)
18	SF4	C	101	3	0,12,12	-	-	-		
14	CLA	B	3010	-	65,73,73	1.46	8 (12%)	76,113,113	1.61	13 (17%)
14	CLA	B	3019	-	65,73,73	1.43	7 (10%)	76,113,113	1.51	8 (10%)
14	CLA	A	816	-	65,73,73	1.49	6 (9%)	76,113,113	1.42	8 (10%)
14	CLA	b	3013	-	45,53,73	1.75	8 (17%)	52,89,113	1.61	7 (13%)
14	CLA	a	815	-	65,73,73	1.50	6 (9%)	76,113,113	1.42	8 (10%)
16	BCR	b	3044	-	41,41,41	1.15	2 (4%)	56,56,56	1.19	5 (8%)
14	CLA	a	816	21	65,73,73	1.49	7 (10%)	76,113,113	1.48	9 (11%)
14	CLA	1	822	21	65,73,73	1.47	7 (10%)	76,113,113	1.52	6 (7%)
14	CLA	2	3017	-	65,73,73	1.44	7 (10%)	76,113,113	1.65	11 (14%)
14	CLA	1	836	-	65,73,73	1.47	9 (13%)	76,113,113	1.45	7 (9%)
14	CLA	b	3041	21	65,73,73	1.44	9 (13%)	76,113,113	1.45	8 (10%)
14	CLA	j	1103	-	38,45,73	1.93	8 (21%)	43,78,113	1.62	5 (11%)
14	CLA	B	3013	-	45,53,73	1.76	8 (17%)	52,89,113	1.60	7 (13%)
16	BCR	L	206	-	41,41,41	1.16	3 (7%)	56,56,56	1.19	5 (8%)
14	CLA	2	3016	-	65,73,73	1.42	7 (10%)	76,113,113	1.52	9 (11%)
16	BCR	K	103	-	25,25,41	1.07	1 (4%)	33,33,56	1.21	2 (6%)
15	PQN	A	845	-	34,34,34	0.42	0	42,45,45	0.35	0
14	CLA	1	821	-	65,73,73	1.45	6 (9%)	76,113,113	1.49	7 (9%)
16	BCR	1	851	-	25,25,41	1.14	1 (4%)	33,33,56	1.27	4 (12%)
14	CLA	b	3021	-	65,73,73	1.49	6 (9%)	76,113,113	1.34	8 (10%)
14	CLA	z	1701	-	45,53,73	1.83	6 (13%)	52,89,113	1.57	6 (11%)
14	CLA	1	838	-	65,73,73	1.44	7 (10%)	76,113,113	1.60	10 (13%)
14	CLA	0	204	2	65,73,73	1.44	7 (10%)	76,113,113	1.49	10 (13%)
16	BCR	2	3049	-	41,41,41	1.39	4 (9%)	56,56,56	1.27	7 (12%)
14	CLA	a	809	1	65,73,73	1.46	7 (10%)	76,113,113	1.47	9 (11%)
14	CLA	A	836	-	65,73,73	1.47	9 (13%)	76,113,113	1.46	7 (9%)
14	CLA	A	831	-	65,73,73	1.49	11 (16%)	76,113,113	1.42	7 (9%)
14	CLA	a	830	-	65,73,73	1.50	11 (16%)	76,113,113	1.43	7 (9%)
14	CLA	2	3011	2	65,73,73	1.44	10 (15%)	76,113,113	1.59	10 (13%)
15	PQN	2	3043	-	34,34,34	0.44	0	42,45,45	0.37	0
17	LHG	a	853	14	40,40,48	0.77	2 (5%)	43,46,54	1.17	3 (6%)
14	CLA	B	3028	-	65,73,73	1.48	9 (13%)	76,113,113	1.40	9 (11%)
14	CLA	1	827	21	65,73,73	1.44	7 (10%)	76,113,113	1.57	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A	819	-	65,73,73	1.48	7 (10%)	76,113,113	1.46	8 (10%)
14	CLA	2	3034	-	65,73,73	1.44	7 (10%)	76,113,113	1.49	8 (10%)
14	CLA	A	841	-	65,73,73	1.43	9 (13%)	76,113,113	1.48	8 (10%)
14	CLA	1	839	-	65,73,73	1.45	9 (13%)	76,113,113	1.45	9 (11%)
14	CLA	A	835	-	65,73,73	1.42	9 (13%)	76,113,113	1.50	7 (9%)
16	BCR	2	3048	-	41,41,41	1.29	4 (9%)	56,56,56	1.23	7 (12%)
14	CLA	0	203	-	36,44,73	1.96	7 (19%)	40,76,113	1.59	6 (15%)
16	BCR	B	3045	-	41,41,41	1.15	3 (7%)	56,56,56	1.20	3 (5%)
14	CLA	1	825	-	65,73,73	1.45	7 (10%)	76,113,113	1.48	8 (10%)
14	CLA	A	813	-	45,53,73	1.75	6 (13%)	52,89,113	1.65	6 (11%)
14	CLA	2	3026	21	65,73,73	1.50	8 (12%)	76,113,113	1.64	14 (18%)
14	CLA	B	3029	-	65,73,73	1.48	10 (15%)	76,113,113	1.33	8 (10%)
14	CLA	L	203	10	65,73,73	1.51	8 (12%)	76,113,113	1.45	8 (10%)
17	LHG	1	852	-	48,48,48	0.78	2 (4%)	51,54,54	1.23	4 (7%)
14	CLA	a	817	-	65,73,73	1.47	6 (9%)	76,113,113	1.44	10 (13%)
14	CLA	A	808	-	51,59,73	1.64	7 (13%)	59,96,113	1.54	9 (15%)
16	BCR	2	3045	-	41,41,41	1.16	3 (7%)	56,56,56	1.19	4 (7%)
16	BCR	8	104	-	41,41,41	1.21	3 (7%)	56,56,56	1.27	7 (12%)
14	CLA	B	3005	-	65,73,73	1.39	9 (13%)	76,113,113	1.62	12 (15%)
14	CLA	a	837	-	65,73,73	1.44	7 (10%)	76,113,113	1.61	11 (14%)
16	BCR	j	1105	-	41,41,41	1.20	3 (7%)	56,56,56	1.28	7 (12%)
16	BCR	6	202	-	41,41,41	1.16	3 (7%)	56,56,56	1.23	6 (10%)
14	CLA	a	834	-	65,73,73	1.42	9 (13%)	76,113,113	1.49	8 (10%)
16	BCR	b	3049	-	41,41,41	1.39	4 (9%)	56,56,56	1.27	7 (12%)
14	CLA	a	820	-	65,73,73	1.45	6 (9%)	76,113,113	1.48	7 (9%)
16	BCR	7	101	-	41,41,41	1.27	3 (7%)	56,56,56	1.25	5 (8%)
14	CLA	B	3032	-	49,57,73	1.67	7 (14%)	55,93,113	1.62	7 (12%)
14	CLA	8	102	-	38,45,73	1.93	8 (21%)	43,78,113	1.62	5 (11%)
14	CLA	a	803	21	65,73,73	1.54	9 (13%)	76,113,113	1.36	6 (7%)
16	BCR	M	1602	-	41,41,41	1.21	3 (7%)	56,56,56	1.24	5 (8%)
15	PQN	b	3043	-	34,34,34	0.45	0	42,45,45	0.37	0
14	CLA	2	3018	-	65,73,73	1.51	8 (12%)	76,113,113	1.43	10 (13%)
14	CLA	2	3006	-	65,73,73	1.47	9 (13%)	76,113,113	1.51	11 (14%)
14	CLA	b	3020	21	65,73,73	1.50	8 (12%)	76,113,113	1.46	7 (9%)
14	CLA	b	3042	-	65,73,73	1.49	7 (10%)	76,113,113	1.49	10 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B	3037	21	45,53,73	1.83	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	a	804	-	59,67,73	1.50	7 (11%)	68,105,113	1.58	7 (10%)
14	CLA	b	3014	-	65,73,73	1.47	7 (10%)	76,113,113	1.43	6 (7%)
14	CLA	j	1102	-	45,53,73	1.78	5 (11%)	52,89,113	1.62	7 (13%)
14	CLA	b	3016	-	65,73,73	1.42	7 (10%)	76,113,113	1.52	9 (11%)
14	CLA	A	821	-	65,73,73	1.44	6 (9%)	76,113,113	1.49	7 (9%)
14	CLA	2	3021	-	65,73,73	1.50	6 (9%)	76,113,113	1.33	8 (10%)
14	CLA	B	3017	-	65,73,73	1.43	7 (10%)	76,113,113	1.65	11 (14%)
14	CLA	B	3006	-	65,73,73	1.48	9 (13%)	76,113,113	1.51	11 (14%)
14	CLA	B	3016	-	65,73,73	1.42	7 (10%)	76,113,113	1.52	9 (11%)
16	BCR	b	3045	-	41,41,41	1.16	3 (7%)	56,56,56	1.19	4 (7%)
14	CLA	l	802	-	65,73,73	1.43	8 (12%)	76,113,113	1.64	10 (13%)
14	CLA	B	3015	-	65,73,73	1.46	6 (9%)	76,113,113	1.46	10 (13%)
14	CLA	a	805	-	65,73,73	1.44	11 (16%)	76,113,113	1.61	11 (14%)
14	CLA	a	836	1	45,53,73	1.81	6 (13%)	52,89,113	1.52	8 (15%)
14	CLA	B	3040	-	47,55,73	1.77	8 (17%)	54,91,113	1.47	7 (12%)
14	CLA	B	3031	-	55,63,73	1.60	10 (18%)	64,101,113	1.51	8 (12%)
15	PQN	B	3043	-	34,34,34	0.44	0	42,45,45	0.37	0
16	BCR	a	851	-	25,25,41	1.13	1 (4%)	33,33,56	1.27	4 (12%)
16	BCR	a	850	-	41,41,41	1.32	2 (4%)	56,56,56	1.31	7 (12%)
16	BCR	a	849	-	41,41,41	1.34	4 (9%)	56,56,56	1.30	6 (10%)
14	CLA	b	3032	-	49,57,73	1.66	7 (14%)	55,93,113	1.62	7 (12%)
16	BCR	B	3048	-	41,41,41	1.28	3 (7%)	56,56,56	1.23	7 (12%)
16	BCR	a	847	-	41,41,41	1.23	3 (7%)	56,56,56	1.39	8 (14%)
14	CLA	a	823	-	65,73,73	1.47	7 (10%)	76,113,113	1.49	9 (11%)
14	CLA	2	3031	-	55,63,73	1.60	10 (18%)	64,101,113	1.52	8 (12%)
14	CLA	a	842	21	65,73,73	1.49	9 (13%)	76,113,113	1.47	8 (10%)
14	CLA	B	3025	2	65,73,73	1.48	7 (10%)	76,113,113	1.39	6 (7%)
14	CLA	b	3010	-	65,73,73	1.47	8 (12%)	76,113,113	1.61	13 (17%)
17	LHG	0	201	-	48,48,48	0.68	1 (2%)	51,54,54	1.30	5 (9%)
14	CLA	b	3035	-	65,73,73	1.45	8 (12%)	76,113,113	1.46	8 (10%)
14	CLA	A	807	-	65,73,73	1.43	7 (10%)	76,113,113	1.50	6 (7%)
20	LMG	2	3050	-	55,55,55	0.88	4 (7%)	63,63,63	1.35	9 (14%)
14	CLA	l	813	-	45,53,73	1.75	6 (13%)	52,89,113	1.66	6 (11%)
14	CLA	l	206	10	65,73,73	1.50	8 (12%)	76,113,113	1.45	8 (10%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	b	3037	21	45,53,73	1.82	6 (13%)	52,89,113	1.60	6 (11%)
14	CLA	B	3035	-	65,73,73	1.45	8 (12%)	76,113,113	1.46	8 (10%)
16	BCR	2	3052	-	41,41,41	1.26	2 (4%)	56,56,56	1.42	11 (19%)
16	BCR	B	3049	-	41,41,41	1.39	4 (9%)	56,56,56	1.27	7 (12%)
14	CLA	9	101	-	46,54,73	1.77	7 (15%)	53,90,113	1.51	6 (11%)
14	CLA	2	3022	-	45,53,73	1.74	6 (13%)	52,89,113	1.73	7 (13%)
14	CLA	2	3041	21	65,73,73	1.45	9 (13%)	76,113,113	1.45	8 (10%)
17	LHG	L	208	-	38,38,48	0.76	0	41,44,54	1.28	4 (9%)
16	BCR	1	848	-	41,41,41	1.15	2 (4%)	56,56,56	1.19	6 (10%)
14	CLA	a	827	-	65,73,73	1.46	7 (10%)	76,113,113	1.41	7 (9%)
14	CLA	a	843	17	45,53,73	1.72	7 (15%)	52,89,113	1.78	7 (13%)
14	CLA	b	3007	-	65,73,73	1.45	8 (12%)	76,113,113	1.51	9 (11%)
15	PQN	a	844	-	34,34,34	0.42	0	42,45,45	0.35	0
14	CLA	A	811	-	49,57,73	1.69	7 (14%)	55,93,113	1.45	5 (9%)
17	LHG	0	202	-	38,38,48	0.76	0	41,44,54	1.28	4 (9%)
14	CLA	B	3022	-	45,53,73	1.74	6 (13%)	52,89,113	1.73	7 (13%)
18	SF4	C	102	3	0,12,12	-	-	-	-	-
14	CLA	1	830	-	65,73,73	1.42	9 (13%)	76,113,113	1.51	8 (10%)
16	BCR	9	102	-	41,41,41	1.20	2 (4%)	56,56,56	1.35	10 (17%)
14	CLA	b	3031	-	55,63,73	1.60	10 (18%)	64,101,113	1.52	8 (12%)
14	CLA	2	3036	21	50,58,73	1.73	7 (14%)	58,95,113	1.54	9 (15%)
14	CLA	2	3038	-	60,68,73	1.56	9 (15%)	70,107,113	1.47	8 (11%)
14	CLA	a	839	-	65,73,73	1.47	8 (12%)	76,113,113	1.39	9 (11%)
20	LMG	b	3050	-	55,55,55	0.88	4 (7%)	63,63,63	1.35	9 (14%)
14	CLA	1	834	-	65,73,73	1.44	8 (12%)	76,113,113	1.56	10 (13%)
16	BCR	B	3053	-	41,41,41	1.26	2 (4%)	56,56,56	1.42	11 (19%)
14	CLA	b	3024	-	45,53,73	1.76	7 (15%)	52,89,113	1.71	8 (15%)
16	BCR	6	205	-	41,41,41	1.17	2 (4%)	56,56,56	1.37	9 (16%)
20	LMG	B	3050	-	55,55,55	0.88	4 (7%)	63,63,63	1.35	9 (14%)
18	SF4	B	3001	1,2	0,12,12	-	-	-	-	-
14	CLA	1	824	-	65,73,73	1.48	7 (10%)	76,113,113	1.48	9 (11%)
14	CLA	f	203	21	45,53,73	1.75	7 (15%)	52,89,113	1.66	7 (13%)
14	CLA	b	3005	-	65,73,73	1.39	9 (13%)	76,113,113	1.62	11 (14%)
14	CLA	A	844	17	45,53,73	1.71	7 (15%)	52,89,113	1.78	7 (13%)
16	BCR	B	3046	-	41,41,41	1.25	3 (7%)	56,56,56	1.22	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	2	3015	-	65,73,73	1.46	6 (9%)	76,113,113	1.47	10 (13%)
14	CLA	a	829	-	65,73,73	1.42	9 (13%)	76,113,113	1.51	8 (10%)
13	CL0	1	801	-	65,73,73	1.44	9 (13%)	76,113,113	1.50	8 (10%)
14	CLA	b	3038	-	60,68,73	1.55	9 (15%)	70,107,113	1.46	8 (11%)
14	CLA	2	3009	-	65,73,73	1.46	9 (13%)	76,113,113	1.48	9 (11%)
14	CLA	a	825	21	65,73,73	1.45	9 (13%)	76,113,113	1.52	8 (10%)
18	SF4	3	102	3	0,12,12	-	-	-	-	-
16	BCR	8	103	-	41,41,41	1.13	2 (4%)	56,56,56	1.15	4 (7%)
14	CLA	1	841	-	65,73,73	1.44	9 (13%)	76,113,113	1.48	8 (10%)
16	BCR	B	3047	-	41,41,41	1.19	2 (4%)	56,56,56	1.23	8 (14%)
14	CLA	a	821	21	65,73,73	1.46	7 (10%)	76,113,113	1.52	6 (7%)
14	CLA	2	3033	-	65,73,73	1.49	8 (12%)	76,113,113	1.53	10 (13%)
14	CLA	l	203	2	65,73,73	1.45	8 (12%)	76,113,113	1.49	10 (13%)
14	CLA	2	3003	21	65,73,73	1.42	8 (12%)	76,113,113	1.70	10 (13%)
14	CLA	J	101	-	45,53,73	1.76	5 (11%)	52,89,113	1.63	7 (13%)
14	CLA	2	3023	21	55,63,73	1.60	7 (12%)	64,101,113	1.58	7 (10%)
14	CLA	B	3023	21	55,63,73	1.59	6 (10%)	64,101,113	1.58	7 (10%)
14	CLA	A	826	21	65,73,73	1.44	9 (13%)	76,113,113	1.53	8 (10%)
14	CLA	b	3017	-	65,73,73	1.43	7 (10%)	76,113,113	1.66	11 (14%)
14	CLA	b	3034	-	65,73,73	1.44	7 (10%)	76,113,113	1.48	8 (10%)
14	CLA	1	831	-	65,73,73	1.50	11 (16%)	76,113,113	1.43	7 (9%)
16	BCR	l	204	-	41,41,41	1.42	4 (9%)	56,56,56	1.29	6 (10%)
14	CLA	A	822	21	65,73,73	1.47	7 (10%)	76,113,113	1.51	6 (7%)
14	CLA	1	804	-	65,73,73	1.43	7 (10%)	76,113,113	1.54	9 (11%)
14	CLA	1	808	-	51,59,73	1.64	7 (13%)	59,96,113	1.54	9 (15%)
16	BCR	A	848	-	41,41,41	1.23	3 (7%)	56,56,56	1.39	8 (14%)
16	BCR	1	846	-	41,41,41	1.13	3 (7%)	56,56,56	1.28	7 (12%)
14	CLA	b	3022	-	45,53,73	1.74	5 (11%)	52,89,113	1.74	7 (13%)
14	CLA	0	208	-	65,73,73	1.43	10 (15%)	76,113,113	1.54	10 (13%)
14	CLA	B	3034	-	65,73,73	1.43	7 (10%)	76,113,113	1.49	8 (10%)
14	CLA	l	207	-	65,73,73	1.43	10 (15%)	76,113,113	1.54	11 (14%)
14	CLA	b	3039	-	65,73,73	1.45	7 (10%)	76,113,113	1.59	10 (13%)
14	CLA	f	201	21	58,66,73	1.58	6 (10%)	67,104,113	1.48	7 (10%)
16	BCR	F	202	-	41,41,41	1.16	3 (7%)	56,56,56	1.24	6 (10%)
14	CLA	L	205	21	65,73,73	1.45	8 (12%)	76,113,113	1.47	8 (10%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	I	102	-	41,41,41	1.22	4 (9%)	56,56,56	1.30	6 (10%)
14	CLA	B	3018	-	65,73,73	1.52	8 (12%)	76,113,113	1.44	10 (13%)
14	CLA	a	840	-	65,73,73	1.44	9 (13%)	76,113,113	1.48	8 (10%)
14	CLA	A	810	1	65,73,73	1.46	7 (10%)	76,113,113	1.47	8 (10%)
14	CLA	B	3011	2	65,73,73	1.44	8 (12%)	76,113,113	1.58	10 (13%)
14	CLA	b	3015	-	65,73,73	1.46	6 (9%)	76,113,113	1.47	10 (13%)
14	CLA	a	812	-	45,53,73	1.76	6 (13%)	52,89,113	1.66	7 (13%)
14	CLA	2	3004	-	65,73,73	1.41	9 (13%)	76,113,113	1.47	7 (9%)
14	CLA	B	3008	-	65,73,73	1.48	9 (13%)	76,113,113	1.45	9 (11%)
14	CLA	1	835	-	65,73,73	1.42	9 (13%)	76,113,113	1.50	8 (10%)
14	CLA	k	102	21	58,66,73	1.58	5 (8%)	67,104,113	1.47	8 (11%)
14	CLA	b	3036	21	50,58,73	1.73	7 (14%)	58,95,113	1.55	9 (15%)
16	BCR	b	3048	-	41,41,41	1.28	4 (9%)	56,56,56	1.23	7 (12%)
14	CLA	A	804	-	65,73,73	1.43	7 (10%)	76,113,113	1.54	9 (11%)
17	LHG	A	854	14	40,40,48	0.77	2 (5%)	43,46,54	1.17	3 (6%)
17	LHG	L	207	-	48,48,48	0.68	1 (2%)	51,54,54	1.30	5 (9%)
14	CLA	x	1701	-	45,53,73	1.83	6 (13%)	52,89,113	1.56	6 (11%)
14	CLA	A	809	1	65,73,73	1.44	9 (13%)	76,113,113	1.48	8 (10%)
18	SF4	c	101	3	0,12,12	-	-	-	-	-
14	CLA	2	3005	-	65,73,73	1.38	9 (13%)	76,113,113	1.61	11 (14%)
14	CLA	a	806	-	65,73,73	1.42	7 (10%)	76,113,113	1.50	6 (7%)
14	CLA	A	834	-	65,73,73	1.44	8 (12%)	76,113,113	1.56	10 (13%)
17	LHG	A	853	-	48,48,48	0.78	2 (4%)	51,54,54	1.23	4 (7%)
14	CLA	b	3026	21	65,73,73	1.50	8 (12%)	76,113,113	1.65	14 (18%)
14	CLA	j	1101	-	65,73,73	1.42	7 (10%)	76,113,113	1.54	9 (11%)
14	CLA	B	3036	21	50,58,73	1.73	7 (14%)	58,95,113	1.55	9 (15%)
16	BCR	m	101	-	41,41,41	1.21	3 (7%)	56,56,56	1.24	4 (7%)
14	CLA	k	101	-	46,54,73	1.77	7 (15%)	53,90,113	1.51	6 (11%)
14	CLA	A	815	-	65,73,73	1.49	5 (7%)	76,113,113	1.37	7 (9%)
14	CLA	0	207	10	65,73,73	1.51	8 (12%)	76,113,113	1.45	8 (10%)
14	CLA	2	3030	-	65,73,73	1.44	10 (15%)	76,113,113	1.46	9 (11%)
14	CLA	a	807	-	51,59,73	1.65	7 (13%)	59,96,113	1.55	9 (15%)
14	CLA	9	103	21	58,66,73	1.57	5 (8%)	67,104,113	1.47	8 (11%)
14	CLA	1	818	-	65,73,73	1.47	6 (9%)	76,113,113	1.44	10 (13%)
16	BCR	1	850	-	41,41,41	1.31	4 (9%)	56,56,56	1.30	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	1	816	-	65,73,73	1.50	6 (9%)	76,113,113	1.42	8 (10%)
14	CLA	L	201	2	65,73,73	1.45	9 (13%)	76,113,113	1.49	10 (13%)
16	BCR	A	852	-	25,25,41	1.14	1 (4%)	33,33,56	1.27	4 (12%)
14	CLA	1	814	-	65,73,73	1.47	8 (12%)	76,113,113	1.42	6 (7%)
14	CLA	K	102	21	58,66,73	1.58	5 (8%)	67,104,113	1.47	8 (11%)
14	CLA	2	3039	-	65,73,73	1.44	7 (10%)	76,113,113	1.59	10 (13%)

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	L	204	-	1/1/15/20	10/37/115/115	-
14	CLA	A	817	21	1/1/15/20	16/37/115/115	-
16	BCR	l	209	-	-	9/29/63/63	0/2/2/2
14	CLA	A	837	1	1/1/11/20	4/13/91/115	-
14	CLA	b	3004	-	1/1/15/20	15/37/115/115	-
16	BCR	F	205	-	-	8/29/63/63	0/2/2/2
14	CLA	B	3003	21	1/1/15/20	19/37/115/115	-
14	CLA	a	802	-	1/1/15/20	18/37/115/115	-
14	CLA	A	812	-	1/1/15/20	13/37/115/115	-
14	CLA	A	820	-	1/1/15/20	9/37/115/115	-
14	CLA	2	3028	-	1/1/15/20	20/37/115/115	-
14	CLA	a	831	-	1/1/14/20	9/31/109/115	-
14	CLA	b	3028	-	1/1/15/20	20/37/115/115	-
16	BCR	J	103	-	-	9/29/63/63	0/2/2/2
14	CLA	2	3007	-	1/1/15/20	14/37/115/115	-
14	CLA	1	843	21	1/1/15/20	14/37/115/115	-
14	CLA	X	1701	-	1/1/11/20	6/13/91/115	-
16	BCR	B	3052	-	-	13/29/63/63	0/2/2/2
14	CLA	1	807	-	1/1/15/20	15/37/115/115	-
14	CLA	0	209	21	1/1/15/20	13/37/115/115	-
14	CLA	a	813	-	1/1/15/20	17/37/115/115	-
14	CLA	b	3029	-	1/1/15/20	8/37/115/115	-
14	CLA	2	3013	-	-	2/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	f	205	-	-	8/29/63/63	0/2/2/2
17	LHG	l	201	-	-	25/53/53/53	-
14	CLA	2	3024	-	-	6/13/91/115	-
14	CLA	2	3025	2	1/1/15/20	11/37/115/115	-
14	CLA	8	101	-	1/1/11/20	5/13/91/115	-
14	CLA	a	824	-	1/1/15/20	17/37/115/115	-
14	CLA	A	855	-	1/1/7/20	0/2/72/115	-
14	CLA	A	825	-	1/1/15/20	17/37/115/115	-
14	CLA	a	819	-	1/1/15/20	9/37/115/115	-
14	CLA	B	3026	21	1/1/15/20	15/37/115/115	-
14	CLA	a	841	-	1/1/15/20	8/37/115/115	-
17	LHG	l	202	-	-	28/43/43/53	-
16	BCR	k	103	-	-	2/18/35/63	0/1/1/2
14	CLA	B	3012	-	1/1/15/20	16/37/115/115	-
14	CLA	1	832	-	1/1/14/20	9/31/109/115	-
14	CLA	1	811	-	1/1/11/20	6/18/96/115	-
14	CLA	b	3030	-	1/1/15/20	6/37/115/115	-
14	CLA	2	3012	-	1/1/15/20	16/37/115/115	-
14	CLA	a	835	-	1/1/15/20	12/37/115/115	-
16	BCR	b	3047	-	-	14/29/63/63	0/2/2/2
14	CLA	2	3008	-	1/1/15/20	10/37/115/115	-
14	CLA	A	833	-	1/1/15/20	15/37/115/115	-
14	CLA	1	837	1	1/1/11/20	4/13/91/115	-
14	CLA	A	843	21	1/1/15/20	14/37/115/115	-
16	BCR	A	846	-	-	6/29/63/63	0/2/2/2
14	CLA	B	3030	-	1/1/15/20	6/37/115/115	-
14	CLA	1	829	-	1/1/15/20	13/37/115/115	-
16	BCR	J	104	-	-	14/29/63/63	0/2/2/2
14	CLA	A	823	-	1/1/11/20	4/13/91/115	-
14	CLA	1	840	-	1/1/15/20	13/37/115/115	-
14	CLA	2	3027	-	1/1/15/20	12/37/115/115	-
16	BCR	j	1104	-	-	9/29/63/63	0/2/2/2
16	BCR	2	3046	-	-	11/29/63/63	0/2/2/2
14	CLA	A	830	-	1/1/15/20	17/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b	3033	-	1/1/15/20	14/37/115/115	-
14	CLA	1	842	-	1/1/15/20	8/37/115/115	-
14	CLA	A	805	-	1/1/13/20	11/30/108/115	-
14	CLA	a	808	1	1/1/15/20	17/37/115/115	-
14	CLA	a	810	-	1/1/11/20	6/18/96/115	-
13	CL0	a	801	-	3/3/20/25	8/37/135/135	-
14	CLA	A	839	-	1/1/15/20	18/37/115/115	-
17	LHG	a	852	-	-	21/53/53/53	-
14	CLA	b	3006	-	1/1/15/20	17/37/115/115	-
14	CLA	b	3009	-	1/1/15/20	8/37/115/115	-
14	CLA	1	844	17	1/1/11/20	5/13/91/115	-
14	CLA	B	3033	-	1/1/15/20	14/37/115/115	-
14	CLA	b	3025	2	1/1/15/20	11/37/115/115	-
14	CLA	B	3038	-	1/1/14/20	12/31/109/115	-
14	CLA	F	201	21	1/1/13/20	7/29/107/115	-
14	CLA	A	838	-	1/1/15/20	17/37/115/115	-
14	CLA	F	204	-	1/1/12/20	8/19/97/115	-
14	CLA	A	818	-	1/1/15/20	13/37/115/115	-
14	CLA	A	842	-	1/1/15/20	8/37/115/115	-
14	CLA	2	3042	-	1/1/15/20	15/37/115/115	-
14	CLA	A	827	21	1/1/15/20	14/37/115/115	-
18	SF4	2	3001	1,2	-	-	0/6/5/5
14	CLA	1	812	-	1/1/15/20	13/37/115/115	-
14	CLA	b	3012	-	1/1/15/20	16/37/115/115	-
14	CLA	A	832	-	1/1/14/20	9/31/109/115	-
14	CLA	1	803	21	1/1/15/20	7/37/115/115	-
14	CLA	2	3020	21	1/1/15/20	12/37/115/115	-
14	CLA	1	826	21	1/1/15/20	18/37/115/115	-
14	CLA	B	3009	-	1/1/15/20	8/37/115/115	-
14	CLA	1	828	-	1/1/15/20	6/37/115/115	-
14	CLA	2	3014	-	1/1/15/20	15/37/115/115	-
14	CLA	b	3027	-	1/1/15/20	12/37/115/115	-
14	CLA	B	3041	21	1/1/15/20	6/37/115/115	-
16	BCR	b	3046	-	-	11/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	0	205	-	-	13/29/63/63	0/2/2/2
14	CLA	2	3035	-	1/1/15/20	14/37/115/115	-
14	CLA	B	3024	-	-	6/13/91/115	-
14	CLA	2	3029	-	1/1/15/20	8/37/115/115	-
14	CLA	A	824	-	1/1/15/20	17/37/115/115	-
14	CLA	6	204	-	1/1/12/20	8/19/97/115	-
18	SF4	b	3001	1,2	-	-	0/6/5/5
14	CLA	B	3021	-	1/1/15/20	9/37/115/115	-
14	CLA	a	822	-	1/1/11/20	4/13/91/115	-
14	CLA	a	828	-	1/1/15/20	13/37/115/115	-
14	CLA	b	3008	-	1/1/15/20	10/37/115/115	-
16	BCR	A	849	-	-	7/29/63/63	0/2/2/2
14	CLA	A	829	-	1/1/15/20	13/37/115/115	-
14	CLA	A	840	-	1/1/15/20	13/37/115/115	-
16	BCR	1	849	-	-	4/29/63/63	0/2/2/2
17	LHG	1	853	14	-	21/45/45/53	-
14	CLA	K	101	-	1/1/11/20	10/15/93/115	-
14	CLA	6	203	21	1/1/11/20	5/13/91/115	-
16	BCR	f	202	-	-	12/29/63/63	0/2/2/2
14	CLA	b	3003	21	1/1/15/20	19/37/115/115	-
14	CLA	a	818	-	1/1/15/20	14/37/115/115	-
14	CLA	1	815	-	1/1/15/20	15/37/115/115	-
14	CLA	2	3032	-	1/1/11/20	9/18/96/115	-
14	CLA	a	833	-	1/1/15/20	12/37/115/115	-
16	BCR	a	846	-	-	17/29/63/63	0/2/2/2
14	CLA	a	814	-	1/1/15/20	15/37/115/115	-
14	CLA	1	806	-	1/1/15/20	21/37/115/115	-
14	CLA	a	811	-	1/1/15/20	13/37/115/115	-
14	CLA	1	833	-	1/1/15/20	15/37/115/115	-
14	CLA	2	3040	-	-	2/16/94/115	-
14	CLA	B	3027	-	1/1/15/20	12/37/115/115	-
16	BCR	1	847	-	-	17/29/63/63	0/2/2/2
18	SF4	c	102	3	-	-	0/6/5/5
14	CLA	2	3010	-	1/1/15/20	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	2	3019	-	1/1/15/20	13/37/115/115	-
14	CLA	6	201	21	1/1/13/20	7/29/107/115	-
14	CLA	2	3037	21	1/1/11/20	7/13/91/115	-
14	CLA	A	828	-	1/1/15/20	6/37/115/115	-
16	BCR	0	211	-	-	6/29/63/63	0/2/2/2
16	BCR	a	845	-	-	6/29/63/63	0/2/2/2
13	CL0	A	801	-	3/3/20/25	8/37/135/135	-
14	CLA	1	817	21	1/1/15/20	16/37/115/115	-
16	BCR	A	851	-	-	21/29/63/63	0/2/2/2
14	CLA	1	805	-	1/1/13/20	11/30/108/115	-
14	CLA	B	3004	-	1/1/15/20	15/37/115/115	-
16	BCR	j	1106	-	-	16/29/63/63	0/2/2/2
18	SF4	3	101	3	-	-	0/6/5/5
16	BCR	l	210	-	-	6/29/63/63	0/2/2/2
14	CLA	b	3011	2	1/1/15/20	9/37/115/115	-
14	CLA	a	832	-	1/1/15/20	15/37/115/115	-
14	CLA	A	803	21	1/1/15/20	7/37/115/115	-
16	BCR	9	104	-	-	2/18/35/63	0/1/1/2
14	CLA	B	3042	-	1/1/15/20	15/37/115/115	-
15	PQN	1	845	-	-	2/23/43/43	0/2/2/2
14	CLA	f	204	-	1/1/12/20	8/19/97/115	-
14	CLA	b	3023	21	1/1/13/20	10/25/103/115	-
14	CLA	1	810	1	1/1/15/20	14/37/115/115	-
14	CLA	B	3020	21	1/1/15/20	12/37/115/115	-
17	LHG	b	3051	-	-	24/53/53/53	-
16	BCR	2	3047	-	-	14/29/63/63	0/2/2/2
14	CLA	A	806	-	1/1/15/20	21/37/115/115	-
14	CLA	J	102	-	1/1/8/20	0/2/76/115	-
14	CLA	1	819	-	1/1/15/20	14/37/115/115	-
14	CLA	B	3014	-	1/1/15/20	15/37/115/115	-
14	CLA	b	3040	-	-	2/16/94/115	-
16	BCR	y	101	-	-	13/29/63/63	0/2/2/2
16	BCR	2	3044	-	-	7/29/63/63	0/2/2/2
16	BCR	i	101	-	-	7/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a	826	21	1/1/15/20	14/37/115/115	-
14	CLA	b	3019	-	1/1/15/20	13/37/115/115	-
17	LHG	B	3051	-	-	24/53/53/53	-
14	CLA	a	838	-	1/1/15/20	18/37/115/115	-
16	BCR	I	101	-	-	7/29/63/63	0/2/2/2
14	CLA	l	208	21	1/1/15/20	13/37/115/115	-
17	LHG	2	3051	-	-	24/53/53/53	-
14	CLA	B	3039	-	1/1/15/20	16/37/115/115	-
16	BCR	B	3044	-	-	6/29/63/63	0/2/2/2
14	CLA	1	823	-	1/1/11/20	4/13/91/115	-
14	CLA	B	3007	-	1/1/15/20	14/37/115/115	-
16	BCR	A	847	-	-	17/29/63/63	0/2/2/2
14	CLA	1	809	1	1/1/15/20	17/37/115/115	-
14	CLA	b	3018	-	-	16/37/115/115	-
14	CLA	1	820	-	1/1/15/20	9/37/115/115	-
16	BCR	0	210	-	-	9/29/63/63	0/2/2/2
16	BCR	A	850	-	-	4/29/63/63	0/2/2/2
14	CLA	A	802	-	1/1/15/20	18/37/115/115	-
14	CLA	A	814	-	1/1/15/20	17/37/115/115	-
14	CLA	M	1601	-	1/1/7/20	0/2/72/115	-
16	BCR	a	848	-	-	7/29/63/63	0/2/2/2
14	CLA	F	203	21	1/1/11/20	5/13/91/115	-
18	SF4	C	101	3	-	-	0/6/5/5
14	CLA	B	3010	-	1/1/15/20	9/37/115/115	-
14	CLA	B	3019	-	1/1/15/20	13/37/115/115	-
14	CLA	A	816	-	1/1/15/20	22/37/115/115	-
14	CLA	b	3013	-	-	2/13/91/115	-
14	CLA	a	815	-	1/1/15/20	22/37/115/115	-
16	BCR	b	3044	-	-	6/29/63/63	0/2/2/2
14	CLA	a	816	21	1/1/15/20	16/37/115/115	-
14	CLA	1	822	21	1/1/15/20	9/37/115/115	-
14	CLA	2	3017	-	1/1/15/20	14/37/115/115	-
14	CLA	1	836	-	1/1/15/20	12/37/115/115	-
14	CLA	b	3041	21	1/1/15/20	6/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B	3013	-	-	2/13/91/115	-
14	CLA	j	1103	-	1/1/8/20	0/2/76/115	-
16	BCR	L	206	-	-	6/29/63/63	0/2/2/2
14	CLA	2	3016	-	1/1/15/20	11/37/115/115	-
16	BCR	K	103	-	-	2/18/35/63	0/1/1/2
15	PQN	A	845	-	-	2/23/43/43	0/2/2/2
14	CLA	1	821	-	1/1/15/20	19/37/115/115	-
16	BCR	1	851	-	-	15/18/35/63	0/1/1/2
14	CLA	b	3021	-	1/1/15/20	9/37/115/115	-
14	CLA	z	1701	-	1/1/11/20	6/13/91/115	-
14	CLA	1	838	-	1/1/15/20	17/37/115/115	-
14	CLA	0	204	2	1/1/15/20	10/37/115/115	-
16	BCR	2	3049	-	-	2/29/63/63	0/2/2/2
14	CLA	a	809	1	1/1/15/20	14/37/115/115	-
14	CLA	A	836	-	1/1/15/20	12/37/115/115	-
14	CLA	A	831	-	1/1/15/20	8/37/115/115	-
14	CLA	a	830	-	1/1/15/20	8/37/115/115	-
14	CLA	2	3011	2	1/1/15/20	9/37/115/115	-
15	PQN	2	3043	-	-	4/23/43/43	0/2/2/2
17	LHG	a	853	14	-	21/45/45/53	-
14	CLA	B	3028	-	1/1/15/20	20/37/115/115	-
14	CLA	1	827	21	1/1/15/20	14/37/115/115	-
14	CLA	A	819	-	1/1/15/20	14/37/115/115	-
14	CLA	2	3034	-	1/1/15/20	15/37/115/115	-
14	CLA	A	841	-	1/1/15/20	10/37/115/115	-
14	CLA	1	839	-	1/1/15/20	18/37/115/115	-
14	CLA	A	835	-	1/1/15/20	10/37/115/115	-
16	BCR	2	3048	-	-	10/29/63/63	0/2/2/2
14	CLA	0	203	-	1/1/7/20	0/2/72/115	-
16	BCR	B	3045	-	-	8/29/63/63	0/2/2/2
14	CLA	1	825	-	1/1/15/20	17/37/115/115	-
14	CLA	A	813	-	1/1/11/20	5/13/91/115	-
14	CLA	2	3026	21	1/1/15/20	15/37/115/115	-
14	CLA	B	3029	-	1/1/15/20	8/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	L	203	10	1/1/15/20	15/37/115/115	-
17	LHG	1	852	-	-	21/53/53/53	-
14	CLA	a	817	-	1/1/15/20	13/37/115/115	-
14	CLA	A	808	-	1/1/12/20	3/21/99/115	-
16	BCR	2	3045	-	-	8/29/63/63	0/2/2/2
16	BCR	8	104	-	-	14/29/63/63	0/2/2/2
14	CLA	B	3005	-	1/1/15/20	14/37/115/115	-
14	CLA	a	837	-	1/1/15/20	17/37/115/115	-
16	BCR	j	1105	-	-	14/29/63/63	0/2/2/2
16	BCR	6	202	-	-	12/29/63/63	0/2/2/2
14	CLA	a	834	-	1/1/15/20	10/37/115/115	-
16	BCR	b	3049	-	-	2/29/63/63	0/2/2/2
14	CLA	a	820	-	1/1/15/20	19/37/115/115	-
16	BCR	7	101	-	-	7/29/63/63	0/2/2/2
14	CLA	B	3032	-	1/1/11/20	8/18/96/115	-
14	CLA	8	102	-	1/1/8/20	0/2/76/115	-
14	CLA	a	803	21	1/1/15/20	7/37/115/115	-
16	BCR	M	1602	-	-	13/29/63/63	0/2/2/2
15	PQN	b	3043	-	-	4/23/43/43	0/2/2/2
14	CLA	2	3018	-	-	16/37/115/115	-
14	CLA	2	3006	-	1/1/15/20	17/37/115/115	-
14	CLA	b	3020	21	1/1/15/20	12/37/115/115	-
14	CLA	b	3042	-	1/1/15/20	15/37/115/115	-
14	CLA	B	3037	21	1/1/11/20	7/13/91/115	-
14	CLA	a	804	-	1/1/13/20	11/30/108/115	-
14	CLA	b	3014	-	1/1/15/20	15/37/115/115	-
14	CLA	j	1102	-	1/1/11/20	5/13/91/115	-
14	CLA	b	3016	-	1/1/15/20	11/37/115/115	-
14	CLA	A	821	-	1/1/15/20	19/37/115/115	-
14	CLA	2	3021	-	1/1/15/20	9/37/115/115	-
14	CLA	B	3017	-	1/1/15/20	14/37/115/115	-
14	CLA	B	3006	-	1/1/15/20	17/37/115/115	-
14	CLA	B	3016	-	1/1/15/20	11/37/115/115	-
16	BCR	b	3045	-	-	8/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	1	802	-	1/1/15/20	18/37/115/115	-
14	CLA	B	3015	-	1/1/15/20	14/37/115/115	-
14	CLA	a	805	-	1/1/15/20	21/37/115/115	-
14	CLA	a	836	1	1/1/11/20	4/13/91/115	-
14	CLA	B	3040	-	-	2/16/94/115	-
14	CLA	B	3031	-	1/1/13/20	13/25/103/115	-
15	PQN	B	3043	-	-	4/23/43/43	0/2/2/2
16	BCR	a	851	-	-	15/18/35/63	0/1/1/2
16	BCR	a	850	-	-	21/29/63/63	0/2/2/2
16	BCR	a	849	-	-	4/29/63/63	0/2/2/2
14	CLA	b	3032	-	1/1/11/20	8/18/96/115	-
16	BCR	B	3048	-	-	10/29/63/63	0/2/2/2
16	BCR	a	847	-	-	17/29/63/63	0/2/2/2
14	CLA	a	823	-	1/1/15/20	17/37/115/115	-
14	CLA	2	3031	-	1/1/13/20	13/25/103/115	-
14	CLA	a	842	21	1/1/15/20	14/37/115/115	-
14	CLA	B	3025	2	1/1/15/20	12/37/115/115	-
14	CLA	b	3010	-	1/1/15/20	9/37/115/115	-
17	LHG	0	201	-	-	25/53/53/53	-
14	CLA	b	3035	-	1/1/15/20	14/37/115/115	-
14	CLA	A	807	-	1/1/15/20	15/37/115/115	-
20	LMG	2	3050	-	-	22/50/70/70	0/1/1/1
14	CLA	1	813	-	1/1/11/20	5/13/91/115	-
14	CLA	l	206	10	1/1/15/20	15/37/115/115	-
14	CLA	b	3037	21	1/1/11/20	7/13/91/115	-
14	CLA	B	3035	-	1/1/15/20	14/37/115/115	-
16	BCR	2	3052	-	-	16/29/63/63	0/2/2/2
16	BCR	B	3049	-	-	2/29/63/63	0/2/2/2
14	CLA	9	101	-	1/1/11/20	10/15/93/115	-
14	CLA	2	3022	-	1/1/11/20	5/13/91/115	-
14	CLA	2	3041	21	1/1/15/20	6/37/115/115	-
17	LHG	L	208	-	-	28/43/43/53	-
16	BCR	1	848	-	-	7/29/63/63	0/2/2/2
14	CLA	a	827	-	1/1/15/20	6/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a	843	17	1/1/11/20	5/13/91/115	-
14	CLA	b	3007	-	1/1/15/20	14/37/115/115	-
15	PQN	a	844	-	-	2/23/43/43	0/2/2/2
14	CLA	A	811	-	1/1/11/20	6/18/96/115	-
17	LHG	0	202	-	-	28/43/43/53	-
14	CLA	B	3022	-	1/1/11/20	5/13/91/115	-
18	SF4	C	102	3	-	-	0/6/5/5
14	CLA	1	830	-	1/1/15/20	17/37/115/115	-
16	BCR	9	102	-	-	6/29/63/63	0/2/2/2
14	CLA	b	3031	-	1/1/13/20	13/25/103/115	-
14	CLA	2	3036	21	1/1/12/20	10/19/97/115	-
14	CLA	2	3038	-	1/1/14/20	12/31/109/115	-
14	CLA	a	839	-	1/1/15/20	13/37/115/115	-
20	LMG	b	3050	-	-	22/50/70/70	0/1/1/1
14	CLA	1	834	-	1/1/15/20	12/37/115/115	-
16	BCR	B	3053	-	-	16/29/63/63	0/2/2/2
14	CLA	b	3024	-	-	6/13/91/115	-
16	BCR	6	205	-	-	8/29/63/63	0/2/2/2
20	LMG	B	3050	-	-	22/50/70/70	0/1/1/1
18	SF4	B	3001	1,2	-	-	0/6/5/5
14	CLA	1	824	-	1/1/15/20	17/37/115/115	-
14	CLA	f	203	21	1/1/11/20	5/13/91/115	-
14	CLA	b	3005	-	1/1/15/20	14/37/115/115	-
14	CLA	A	844	17	1/1/11/20	5/13/91/115	-
16	BCR	B	3046	-	-	11/29/63/63	0/2/2/2
14	CLA	2	3015	-	1/1/15/20	14/37/115/115	-
14	CLA	a	829	-	1/1/15/20	17/37/115/115	-
13	CL0	1	801	-	3/3/20/25	8/37/135/135	-
14	CLA	b	3038	-	1/1/14/20	12/31/109/115	-
14	CLA	2	3009	-	1/1/15/20	8/37/115/115	-
14	CLA	a	825	21	1/1/15/20	18/37/115/115	-
18	SF4	3	102	3	-	-	0/6/5/5
16	BCR	8	103	-	-	9/29/63/63	0/2/2/2
14	CLA	1	841	-	1/1/15/20	10/37/115/115	-
16	BCR	B	3047	-	-	14/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a	821	21	1/1/15/20	9/37/115/115	-
14	CLA	2	3033	-	1/1/15/20	14/37/115/115	-
14	CLA	l	203	2	1/1/15/20	10/37/115/115	-
14	CLA	2	3003	21	1/1/15/20	19/37/115/115	-
14	CLA	J	101	-	1/1/11/20	5/13/91/115	-
14	CLA	2	3023	21	1/1/13/20	10/25/103/115	-
14	CLA	B	3023	21	1/1/13/20	10/25/103/115	-
14	CLA	A	826	21	1/1/15/20	18/37/115/115	-
14	CLA	b	3017	-	1/1/15/20	14/37/115/115	-
14	CLA	b	3034	-	1/1/15/20	15/37/115/115	-
14	CLA	l	831	-	1/1/15/20	8/37/115/115	-
16	BCR	l	204	-	-	13/29/63/63	0/2/2/2
14	CLA	A	822	21	1/1/15/20	9/37/115/115	-
14	CLA	l	804	-	1/1/15/20	14/37/115/115	-
14	CLA	l	808	-	1/1/12/20	3/21/99/115	-
16	BCR	A	848	-	-	17/29/63/63	0/2/2/2
16	BCR	l	846	-	-	17/29/63/63	0/2/2/2
14	CLA	b	3022	-	1/1/11/20	5/13/91/115	-
14	CLA	0	208	-	1/1/15/20	10/37/115/115	-
14	CLA	B	3034	-	1/1/15/20	15/37/115/115	-
14	CLA	l	207	-	1/1/15/20	10/37/115/115	-
14	CLA	b	3039	-	1/1/15/20	16/37/115/115	-
14	CLA	f	201	21	1/1/13/20	7/29/107/115	-
16	BCR	F	202	-	-	12/29/63/63	0/2/2/2
14	CLA	L	205	21	1/1/15/20	13/37/115/115	-
16	BCR	I	102	-	-	9/29/63/63	0/2/2/2
14	CLA	B	3018	-	-	16/37/115/115	-
14	CLA	a	840	-	1/1/15/20	10/37/115/115	-
14	CLA	A	810	1	1/1/15/20	14/37/115/115	-
14	CLA	B	3011	2	1/1/15/20	9/37/115/115	-
14	CLA	b	3015	-	1/1/15/20	14/37/115/115	-
14	CLA	a	812	-	1/1/11/20	5/13/91/115	-
14	CLA	2	3004	-	1/1/15/20	15/37/115/115	-
14	CLA	B	3008	-	1/1/15/20	10/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	1	835	-	1/1/15/20	10/37/115/115	-
14	CLA	k	102	21	1/1/13/20	11/29/107/115	-
14	CLA	b	3036	21	1/1/12/20	10/19/97/115	-
16	BCR	b	3048	-	-	10/29/63/63	0/2/2/2
14	CLA	A	804	-	1/1/15/20	14/37/115/115	-
17	LHG	A	854	14	-	21/45/45/53	-
17	LHG	L	207	-	-	25/53/53/53	-
14	CLA	x	1701	-	1/1/11/20	6/13/91/115	-
14	CLA	A	809	1	1/1/15/20	17/37/115/115	-
18	SF4	c	101	3	-	-	0/6/5/5
14	CLA	2	3005	-	1/1/15/20	14/37/115/115	-
14	CLA	a	806	-	1/1/15/20	15/37/115/115	-
14	CLA	A	834	-	1/1/15/20	12/37/115/115	-
17	LHG	A	853	-	-	21/53/53/53	-
14	CLA	b	3026	21	1/1/15/20	15/37/115/115	-
14	CLA	j	1101	-	1/1/15/20	14/37/115/115	-
14	CLA	B	3036	21	1/1/12/20	10/19/97/115	-
16	BCR	m	101	-	-	13/29/63/63	0/2/2/2
14	CLA	k	101	-	1/1/11/20	10/15/93/115	-
14	CLA	A	815	-	1/1/15/20	15/37/115/115	-
14	CLA	0	207	10	1/1/15/20	15/37/115/115	-
14	CLA	2	3030	-	1/1/15/20	6/37/115/115	-
14	CLA	a	807	-	1/1/12/20	3/21/99/115	-
14	CLA	9	103	21	1/1/13/20	11/29/107/115	-
14	CLA	1	818	-	1/1/15/20	13/37/115/115	-
16	BCR	1	850	-	-	21/29/63/63	0/2/2/2
14	CLA	1	816	-	1/1/15/20	22/37/115/115	-
14	CLA	L	201	2	1/1/15/20	10/37/115/115	-
16	BCR	A	852	-	-	15/18/35/63	0/1/1/2
14	CLA	1	814	-	1/1/15/20	17/37/115/115	-
14	CLA	K	102	21	1/1/13/20	11/29/107/115	-
14	CLA	2	3039	-	1/1/15/20	16/37/115/115	-

All (2467) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3037	CLA	C4B-NB	8.11	1.42	1.35
14	B	3037	CLA	C4B-NB	8.10	1.42	1.35
14	b	3037	CLA	C4B-NB	8.09	1.42	1.35
14	z	1701	CLA	C4B-NB	7.83	1.42	1.35
14	F	204	CLA	C4B-NB	7.81	1.42	1.35
14	6	204	CLA	C4B-NB	7.80	1.42	1.35
14	X	1701	CLA	C4B-NB	7.79	1.42	1.35
14	f	204	CLA	C4B-NB	7.79	1.42	1.35
14	x	1701	CLA	C4B-NB	7.78	1.42	1.35
14	1	837	CLA	C4B-NB	7.70	1.42	1.35
14	a	836	CLA	C4B-NB	7.65	1.42	1.35
14	A	837	CLA	C4B-NB	7.64	1.42	1.35
14	B	3018	CLA	C4B-NB	7.61	1.42	1.35
14	j	1103	CLA	C4B-NB	7.60	1.42	1.35
14	2	3018	CLA	C4B-NB	7.60	1.42	1.35
14	K	101	CLA	C4B-NB	7.59	1.42	1.35
14	L	203	CLA	C4B-NB	7.59	1.42	1.35
14	0	207	CLA	C4B-NB	7.57	1.42	1.35
14	8	102	CLA	C4B-NB	7.55	1.41	1.35
14	0	203	CLA	C4B-NB	7.54	1.41	1.35
14	b	3036	CLA	C4B-NB	7.54	1.41	1.35
14	b	3018	CLA	C4B-NB	7.53	1.41	1.35
14	B	3036	CLA	C4B-NB	7.53	1.41	1.35
14	l	206	CLA	C4B-NB	7.53	1.41	1.35
14	b	3040	CLA	C4B-NB	7.52	1.41	1.35
14	2	3033	CLA	C4B-NB	7.52	1.41	1.35
14	B	3033	CLA	C4B-NB	7.50	1.41	1.35
14	6	201	CLA	C4B-NB	7.50	1.41	1.35
14	J	102	CLA	C4B-NB	7.49	1.41	1.35
14	M	1601	CLA	C4B-NB	7.49	1.41	1.35
14	b	3033	CLA	C4B-NB	7.49	1.41	1.35
14	k	101	CLA	C4B-NB	7.49	1.41	1.35
14	2	3036	CLA	C4B-NB	7.49	1.41	1.35
14	9	101	CLA	C4B-NB	7.48	1.41	1.35
14	A	855	CLA	C4B-NB	7.47	1.41	1.35
14	K	102	CLA	C4B-NB	7.47	1.41	1.35
14	2	3021	CLA	C4B-NB	7.46	1.41	1.35
14	B	3020	CLA	C4B-NB	7.46	1.41	1.35
14	F	201	CLA	C4B-NB	7.46	1.41	1.35
14	f	201	CLA	C4B-NB	7.43	1.41	1.35
14	A	817	CLA	C4B-NB	7.41	1.41	1.35
14	2	3040	CLA	C4B-NB	7.40	1.41	1.35
14	B	3040	CLA	C4B-NB	7.40	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	k	102	CLA	C4B-NB	7.40	1.41	1.35
14	2	3023	CLA	C4B-NB	7.39	1.41	1.35
14	A	815	CLA	C4B-NB	7.39	1.41	1.35
14	a	816	CLA	C4B-NB	7.38	1.41	1.35
14	1	817	CLA	C4B-NB	7.38	1.41	1.35
14	b	3028	CLA	C4B-NB	7.37	1.41	1.35
14	B	3021	CLA	C4B-NB	7.37	1.41	1.35
14	a	815	CLA	C4B-NB	7.37	1.41	1.35
14	2	3020	CLA	C4B-NB	7.36	1.41	1.35
14	B	3028	CLA	C4B-NB	7.35	1.41	1.35
14	b	3020	CLA	C4B-NB	7.35	1.41	1.35
14	b	3021	CLA	C4B-NB	7.35	1.41	1.35
14	1	842	CLA	C4B-NB	7.34	1.41	1.35
14	2	3028	CLA	C4B-NB	7.34	1.41	1.35
14	A	816	CLA	C4B-NB	7.34	1.41	1.35
14	F	203	CLA	C4B-NB	7.34	1.41	1.35
14	b	3023	CLA	C4B-NB	7.33	1.41	1.35
14	1	816	CLA	C4B-NB	7.30	1.41	1.35
14	9	103	CLA	C4B-NB	7.30	1.41	1.35
14	2	3015	CLA	C4B-NB	7.30	1.41	1.35
14	B	3023	CLA	C4B-NB	7.30	1.41	1.35
14	a	820	CLA	C4B-NB	7.30	1.41	1.35
14	1	821	CLA	C4B-NB	7.30	1.41	1.35
14	b	3015	CLA	C4B-NB	7.29	1.41	1.35
14	1	819	CLA	C4B-NB	7.29	1.41	1.35
14	a	818	CLA	C4B-NB	7.29	1.41	1.35
14	a	841	CLA	C4B-NB	7.28	1.41	1.35
14	6	203	CLA	C4B-NB	7.28	1.41	1.35
14	A	842	CLA	C4B-NB	7.27	1.41	1.35
14	B	3015	CLA	C4B-NB	7.27	1.41	1.35
14	1	818	CLA	C4B-NB	7.25	1.41	1.35
14	A	821	CLA	C4B-NB	7.25	1.41	1.35
14	a	817	CLA	C4B-NB	7.25	1.41	1.35
14	f	203	CLA	C4B-NB	7.24	1.41	1.35
14	A	819	CLA	C4B-NB	7.23	1.41	1.35
14	2	3038	CLA	C4B-NB	7.23	1.41	1.35
14	j	1102	CLA	C4B-NB	7.22	1.41	1.35
14	8	101	CLA	C4B-NB	7.22	1.41	1.35
14	1	803	CLA	C4B-NB	7.22	1.41	1.35
14	A	818	CLA	C4B-NB	7.22	1.41	1.35
14	A	812	CLA	C4B-NB	7.20	1.41	1.35
14	1	823	CLA	C4B-NB	7.20	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	814	CLA	C4B-NB	7.20	1.41	1.35
14	B	3042	CLA	C4B-NB	7.20	1.41	1.35
14	b	3024	CLA	C4B-NB	7.19	1.41	1.35
14	B	3038	CLA	C4B-NB	7.19	1.41	1.35
14	2	3024	CLA	C4B-NB	7.18	1.41	1.35
14	a	822	CLA	C4B-NB	7.18	1.41	1.35
14	B	3024	CLA	C4B-NB	7.17	1.41	1.35
14	B	3025	CLA	C4B-NB	7.17	1.41	1.35
14	a	803	CLA	C4B-NB	7.17	1.41	1.35
14	a	807	CLA	C4B-NB	7.17	1.41	1.35
14	1	815	CLA	C4B-NB	7.16	1.41	1.35
14	b	3038	CLA	C4B-NB	7.16	1.41	1.35
14	1	812	CLA	C4B-NB	7.16	1.41	1.35
14	b	3042	CLA	C4B-NB	7.15	1.41	1.35
14	2	3022	CLA	C4B-NB	7.15	1.41	1.35
14	A	829	CLA	C4B-NB	7.15	1.41	1.35
14	2	3042	CLA	C4B-NB	7.15	1.41	1.35
14	a	811	CLA	C4B-NB	7.15	1.41	1.35
14	1	822	CLA	C4B-NB	7.15	1.41	1.35
14	A	811	CLA	C4B-NB	7.14	1.41	1.35
14	A	803	CLA	C4B-NB	7.13	1.41	1.35
14	A	823	CLA	C4B-NB	7.13	1.41	1.35
14	b	3025	CLA	C4B-NB	7.13	1.41	1.35
14	1	814	CLA	C4B-NB	7.13	1.41	1.35
14	J	101	CLA	C4B-NB	7.13	1.41	1.35
14	B	3022	CLA	C4B-NB	7.12	1.41	1.35
14	A	814	CLA	C4B-NB	7.12	1.41	1.35
14	B	3026	CLA	C4B-NB	7.12	1.41	1.35
14	a	828	CLA	C4B-NB	7.12	1.41	1.35
14	1	829	CLA	C4B-NB	7.12	1.41	1.35
14	A	828	CLA	C4B-NB	7.12	1.41	1.35
14	b	3026	CLA	C4B-NB	7.12	1.41	1.35
14	A	843	CLA	C4B-NB	7.11	1.41	1.35
14	A	822	CLA	C4B-NB	7.11	1.41	1.35
14	b	3022	CLA	C4B-NB	7.09	1.41	1.35
14	b	3032	CLA	C4B-NB	7.09	1.41	1.35
14	2	3025	CLA	C4B-NB	7.08	1.41	1.35
14	B	3032	CLA	C4B-NB	7.08	1.41	1.35
14	a	813	CLA	C4B-NB	7.08	1.41	1.35
14	a	842	CLA	C4B-NB	7.07	1.41	1.35
14	1	824	CLA	C4B-NB	7.07	1.41	1.35
14	a	810	CLA	C4B-NB	7.06	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	812	CLA	C4B-NB	7.06	1.41	1.35
14	A	808	CLA	C4B-NB	7.05	1.41	1.35
14	1	811	CLA	C4B-NB	7.05	1.41	1.35
14	a	821	CLA	C4B-NB	7.04	1.41	1.35
14	B	3013	CLA	C4B-NB	7.04	1.41	1.35
14	2	3013	CLA	C4B-NB	7.04	1.41	1.35
14	a	827	CLA	C4B-NB	7.04	1.41	1.35
14	a	843	CLA	C4B-NB	7.03	1.41	1.35
14	2	3026	CLA	C4B-NB	7.03	1.41	1.35
14	a	830	CLA	C4B-NB	7.03	1.41	1.35
14	1	831	CLA	C4B-NB	7.02	1.41	1.35
14	2	3027	CLA	C4B-NB	7.01	1.41	1.35
14	b	3013	CLA	C4B-NB	7.01	1.41	1.35
14	1	808	CLA	C4B-NB	7.01	1.41	1.35
14	1	828	CLA	C4B-NB	7.00	1.41	1.35
14	A	824	CLA	C4B-NB	7.00	1.41	1.35
14	2	3010	CLA	C4B-NB	6.99	1.41	1.35
14	A	844	CLA	C4B-NB	6.98	1.41	1.35
14	2	3032	CLA	C4B-NB	6.98	1.41	1.35
14	1	844	CLA	C4B-NB	6.97	1.41	1.35
14	2	3034	CLA	C4B-NB	6.96	1.41	1.35
14	a	823	CLA	C4B-NB	6.96	1.41	1.35
14	a	840	CLA	C4B-NB	6.96	1.41	1.35
14	2	3017	CLA	C4B-NB	6.95	1.41	1.35
14	A	813	CLA	C4B-NB	6.95	1.41	1.35
14	b	3034	CLA	C4B-NB	6.95	1.41	1.35
14	1	843	CLA	C4B-NB	6.95	1.41	1.35
14	B	3017	CLA	C4B-NB	6.95	1.41	1.35
14	b	3017	CLA	C4B-NB	6.95	1.41	1.35
14	1	813	CLA	C4B-NB	6.94	1.41	1.35
14	A	831	CLA	C4B-NB	6.93	1.41	1.35
14	B	3027	CLA	C4B-NB	6.92	1.41	1.35
14	b	3010	CLA	C4B-NB	6.92	1.41	1.35
14	b	3014	CLA	C4B-NB	6.91	1.41	1.35
14	B	3034	CLA	C4B-NB	6.91	1.41	1.35
14	1	841	CLA	C4B-NB	6.91	1.41	1.35
14	2	3029	CLA	C4B-NB	6.90	1.41	1.35
14	a	835	CLA	C4B-NB	6.90	1.41	1.35
14	1	836	CLA	C4B-NB	6.90	1.41	1.35
14	B	3010	CLA	C4B-NB	6.89	1.41	1.35
14	b	3027	CLA	C4B-NB	6.88	1.41	1.35
14	B	3014	CLA	C4B-NB	6.87	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	810	CLA	C4B-NB	6.86	1.41	1.35
14	A	841	CLA	C4B-NB	6.85	1.41	1.35
14	A	836	CLA	C4B-NB	6.84	1.41	1.35
14	1	804	CLA	C4B-NB	6.84	1.41	1.35
14	B	3006	CLA	C4B-NB	6.84	1.41	1.35
14	a	819	CLA	C4B-NB	6.84	1.41	1.35
14	b	3006	CLA	C4B-NB	6.83	1.41	1.35
14	a	809	CLA	C4B-NB	6.83	1.41	1.35
14	2	3006	CLA	C4B-NB	6.83	1.41	1.35
14	2	3014	CLA	C4B-NB	6.83	1.41	1.35
14	b	3016	CLA	C4B-NB	6.81	1.41	1.35
14	2	3016	CLA	C4B-NB	6.81	1.41	1.35
14	1	820	CLA	C4B-NB	6.81	1.41	1.35
14	1	810	CLA	C4B-NB	6.81	1.41	1.35
14	B	3029	CLA	C4B-NB	6.80	1.41	1.35
14	B	3009	CLA	C4B-NB	6.80	1.41	1.35
14	2	3008	CLA	C4B-NB	6.80	1.41	1.35
14	b	3029	CLA	C4B-NB	6.80	1.41	1.35
14	B	3008	CLA	C4B-NB	6.80	1.41	1.35
14	1	826	CLA	C4B-NB	6.80	1.41	1.35
14	a	825	CLA	C4B-NB	6.79	1.41	1.35
14	b	3019	CLA	C4B-NB	6.78	1.41	1.35
14	2	3035	CLA	C4B-NB	6.76	1.41	1.35
14	a	804	CLA	C4B-NB	6.76	1.41	1.35
14	1	840	CLA	C4B-NB	6.76	1.41	1.35
14	l	203	CLA	C4B-NB	6.76	1.41	1.35
14	b	3035	CLA	C4B-NB	6.76	1.41	1.35
14	A	807	CLA	C4B-NB	6.75	1.41	1.35
14	A	820	CLA	C4B-NB	6.75	1.41	1.35
14	B	3016	CLA	C4B-NB	6.75	1.41	1.35
14	A	809	CLA	C4B-NB	6.75	1.41	1.35
14	j	1101	CLA	C4B-NB	6.75	1.41	1.35
14	2	3009	CLA	C4B-NB	6.75	1.41	1.35
14	a	806	CLA	C4B-NB	6.75	1.41	1.35
14	b	3008	CLA	C4B-NB	6.75	1.41	1.35
14	A	826	CLA	C4B-NB	6.74	1.41	1.35
14	A	834	CLA	C4B-NB	6.74	1.41	1.35
14	2	3012	CLA	C4B-NB	6.74	1.41	1.35
14	1	805	CLA	C4B-NB	6.74	1.41	1.35
14	a	839	CLA	C4B-NB	6.74	1.41	1.35
14	b	3012	CLA	C4B-NB	6.74	1.41	1.35
14	b	3009	CLA	C4B-NB	6.74	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	0	204	CLA	C4B-NB	6.73	1.41	1.35
14	A	805	CLA	C4B-NB	6.73	1.41	1.35
14	A	840	CLA	C4B-NB	6.72	1.41	1.35
14	B	3012	CLA	C4B-NB	6.72	1.41	1.35
14	B	3035	CLA	C4B-NB	6.71	1.41	1.35
14	1	807	CLA	C4B-NB	6.71	1.41	1.35
14	1	825	CLA	C4B-NB	6.70	1.41	1.35
14	1	827	CLA	C4B-NB	6.70	1.41	1.35
14	A	804	CLA	C4B-NB	6.69	1.41	1.35
14	1	834	CLA	C4B-NB	6.69	1.41	1.35
14	a	826	CLA	C4B-NB	6.69	1.41	1.35
14	A	825	CLA	C4B-NB	6.69	1.41	1.35
14	B	3039	CLA	C4B-NB	6.68	1.41	1.35
14	b	3039	CLA	C4B-NB	6.68	1.41	1.35
14	2	3019	CLA	C4B-NB	6.68	1.41	1.35
14	a	802	CLA	C4B-NB	6.67	1.41	1.35
14	2	3039	CLA	C4B-NB	6.67	1.41	1.35
14	1	809	CLA	C4B-NB	6.67	1.41	1.35
14	L	201	CLA	C4B-NB	6.66	1.41	1.35
14	B	3019	CLA	C4B-NB	6.66	1.41	1.35
14	1	838	CLA	C4B-NB	6.65	1.41	1.35
14	a	833	CLA	C4B-NB	6.65	1.41	1.35
14	A	827	CLA	C4B-NB	6.65	1.41	1.35
14	a	824	CLA	C4B-NB	6.64	1.41	1.35
14	l	208	CLA	C4B-NB	6.64	1.41	1.35
14	1	802	CLA	C4B-NB	6.64	1.41	1.35
14	B	3007	CLA	C4B-NB	6.64	1.41	1.35
14	a	837	CLA	C4B-NB	6.63	1.41	1.35
14	L	205	CLA	C4B-NB	6.63	1.41	1.35
14	a	808	CLA	C4B-NB	6.63	1.41	1.35
14	B	3041	CLA	C4B-NB	6.63	1.41	1.35
14	2	3041	CLA	C4B-NB	6.62	1.41	1.35
14	2	3030	CLA	C4B-NB	6.61	1.41	1.35
14	2	3007	CLA	C4B-NB	6.61	1.41	1.35
14	A	838	CLA	C4B-NB	6.58	1.41	1.35
14	b	3030	CLA	C4B-NB	6.57	1.41	1.35
14	B	3030	CLA	C4B-NB	6.56	1.41	1.35
14	b	3003	CLA	C4B-NB	6.55	1.41	1.35
14	b	3007	CLA	C4B-NB	6.55	1.41	1.35
14	B	3031	CLA	C4B-NB	6.55	1.41	1.35
14	B	3003	CLA	C4B-NB	6.54	1.41	1.35
14	A	832	CLA	C4B-NB	6.54	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3041	CLA	C4B-NB	6.54	1.41	1.35
14	0	209	CLA	C4B-NB	6.53	1.41	1.35
14	A	839	CLA	C4B-NB	6.52	1.41	1.35
14	a	838	CLA	C4B-NB	6.52	1.41	1.35
14	A	802	CLA	C4B-NB	6.51	1.41	1.35
14	1	832	CLA	C4B-NB	6.51	1.41	1.35
14	2	3031	CLA	C4B-NB	6.49	1.41	1.35
13	A	801	CL0	C4B-NB	6.48	1.41	1.35
13	1	801	CL0	C4B-NB	6.47	1.41	1.35
14	b	3031	CLA	C4B-NB	6.47	1.41	1.35
14	2	3003	CLA	C4B-NB	6.46	1.41	1.35
13	a	801	CL0	C4B-NB	6.45	1.41	1.35
14	1	839	CLA	C4B-NB	6.45	1.41	1.35
14	a	831	CLA	C4B-NB	6.43	1.40	1.35
14	b	3011	CLA	C4B-NB	6.42	1.40	1.35
14	B	3011	CLA	C4B-NB	6.42	1.40	1.35
14	1	830	CLA	C4B-NB	6.39	1.40	1.35
14	a	832	CLA	C4B-NB	6.39	1.40	1.35
14	a	829	CLA	C4B-NB	6.38	1.40	1.35
14	2	3011	CLA	C4B-NB	6.38	1.40	1.35
14	a	805	CLA	C4B-NB	6.36	1.40	1.35
14	A	830	CLA	C4B-NB	6.35	1.40	1.35
14	1	806	CLA	C4B-NB	6.31	1.40	1.35
14	A	833	CLA	C4B-NB	6.29	1.40	1.35
14	A	806	CLA	C4B-NB	6.29	1.40	1.35
14	1	833	CLA	C4B-NB	6.29	1.40	1.35
14	b	3004	CLA	C4B-NB	6.24	1.40	1.35
14	B	3004	CLA	C4B-NB	6.23	1.40	1.35
14	A	835	CLA	C4B-NB	6.22	1.40	1.35
14	1	835	CLA	C4B-NB	6.17	1.40	1.35
14	a	834	CLA	C4B-NB	6.15	1.40	1.35
14	2	3004	CLA	C4B-NB	6.14	1.40	1.35
14	0	208	CLA	C4B-NB	6.01	1.40	1.35
14	L	204	CLA	C4B-NB	5.98	1.40	1.35
14	l	207	CLA	C4B-NB	5.95	1.40	1.35
14	B	3005	CLA	C4B-NB	5.74	1.40	1.35
14	b	3005	CLA	C4B-NB	5.73	1.40	1.35
14	2	3005	CLA	C4B-NB	5.68	1.40	1.35
16	B	3052	BCR	C1-C6	-4.24	1.47	1.53
16	0	205	BCR	C1-C6	-4.24	1.47	1.53
16	l	204	BCR	C1-C6	-4.23	1.48	1.53
16	A	850	BCR	C30-C25	-4.22	1.48	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	1	849	BCR	C30-C25	-4.22	1.48	1.53
16	B	3053	BCR	C1-C6	-4.21	1.48	1.53
16	j	1106	BCR	C1-C6	-4.20	1.48	1.53
16	a	849	BCR	C30-C25	-4.16	1.48	1.53
16	2	3052	BCR	C1-C6	-4.15	1.48	1.53
16	2	3048	BCR	C1-C6	-4.03	1.48	1.53
16	B	3048	BCR	C1-C6	-4.03	1.48	1.53
14	j	1102	CLA	C1D-ND	4.01	1.42	1.37
16	b	3048	BCR	C1-C6	-4.00	1.48	1.53
16	b	3049	BCR	C30-C25	-4.00	1.48	1.53
16	B	3049	BCR	C30-C25	-4.00	1.48	1.53
16	2	3049	BCR	C30-C25	-3.96	1.48	1.53
14	8	101	CLA	C1D-ND	3.96	1.42	1.37
16	a	847	BCR	C30-C25	-3.95	1.48	1.53
14	J	101	CLA	C1D-ND	3.94	1.42	1.37
16	2	3047	BCR	C30-C25	-3.94	1.48	1.53
16	1	847	BCR	C30-C25	-3.94	1.48	1.53
16	A	848	BCR	C30-C25	-3.92	1.48	1.53
16	a	850	BCR	C1-C6	-3.92	1.48	1.53
16	1	850	BCR	C1-C6	-3.91	1.48	1.53
16	A	851	BCR	C1-C6	-3.89	1.48	1.53
16	b	3048	BCR	C30-C25	-3.89	1.48	1.53
16	b	3047	BCR	C30-C25	-3.87	1.48	1.53
14	1	816	CLA	C1D-ND	3.87	1.42	1.37
16	B	3048	BCR	C30-C25	-3.87	1.48	1.53
14	6	204	CLA	C1D-ND	3.87	1.42	1.37
16	2	3048	BCR	C30-C25	-3.86	1.48	1.53
16	B	3047	BCR	C30-C25	-3.86	1.48	1.53
14	a	814	CLA	C1D-ND	3.86	1.42	1.37
16	8	104	BCR	C1-C6	-3.85	1.48	1.53
16	B	3046	BCR	C1-C6	-3.85	1.48	1.53
14	1	824	CLA	C1D-ND	3.85	1.42	1.37
16	2	3046	BCR	C1-C6	-3.84	1.48	1.53
14	F	204	CLA	C1D-ND	3.83	1.42	1.37
14	a	815	CLA	C1D-ND	3.83	1.42	1.37
14	A	816	CLA	C1D-ND	3.83	1.42	1.37
14	l	207	CLA	C4D-ND	-3.83	1.32	1.37
14	9	103	CLA	C1D-ND	3.82	1.42	1.37
14	j	1103	CLA	C1D-ND	3.82	1.42	1.37
14	b	3022	CLA	C1D-ND	3.82	1.42	1.37
14	0	208	CLA	C4D-ND	-3.82	1.32	1.37
16	0	205	BCR	C30-C25	-3.81	1.48	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3031	CLA	C4D-ND	-3.81	1.32	1.37
14	A	824	CLA	C1D-ND	3.81	1.42	1.37
16	b	3046	BCR	C1-C6	-3.81	1.48	1.53
14	8	102	CLA	C1D-ND	3.81	1.42	1.37
14	2	3023	CLA	C1D-ND	3.80	1.42	1.37
14	b	3031	CLA	C4D-ND	-3.80	1.32	1.37
14	J	102	CLA	C1D-ND	3.80	1.42	1.37
14	a	823	CLA	C1D-ND	3.80	1.42	1.37
14	2	3031	CLA	C4D-ND	-3.80	1.32	1.37
14	L	204	CLA	C4D-ND	-3.78	1.32	1.37
16	j	1105	BCR	C1-C6	-3.78	1.48	1.53
14	x	1701	CLA	C1D-ND	3.78	1.42	1.37
14	A	815	CLA	C1D-ND	3.78	1.42	1.37
14	B	3022	CLA	C1D-ND	3.77	1.42	1.37
14	A	821	CLA	C1D-ND	3.77	1.42	1.37
14	2	3022	CLA	C1D-ND	3.77	1.42	1.37
14	A	817	CLA	C1D-ND	3.77	1.42	1.37
16	J	104	BCR	C1-C6	-3.76	1.48	1.53
16	b	3044	BCR	C1-C6	-3.76	1.48	1.53
14	z	1701	CLA	C1D-ND	3.76	1.42	1.37
14	k	102	CLA	C1D-ND	3.75	1.42	1.37
16	9	102	BCR	C1-C6	-3.75	1.48	1.53
16	B	3052	BCR	C30-C25	-3.75	1.48	1.53
16	l	204	BCR	C30-C25	-3.75	1.48	1.53
14	X	1701	CLA	C1D-ND	3.75	1.42	1.37
14	1	815	CLA	C1D-ND	3.75	1.42	1.37
14	1	821	CLA	C1D-ND	3.74	1.42	1.37
16	B	3044	BCR	C1-C6	-3.74	1.48	1.53
14	K	102	CLA	C1D-ND	3.73	1.42	1.37
14	f	204	CLA	C1D-ND	3.73	1.42	1.37
16	A	846	BCR	C1-C6	-3.73	1.48	1.53
14	1	817	CLA	C1D-ND	3.73	1.42	1.37
16	y	101	BCR	C1-C6	-3.72	1.48	1.53
14	B	3037	CLA	C1D-ND	3.72	1.42	1.37
14	a	816	CLA	C1D-ND	3.71	1.42	1.37
14	a	820	CLA	C1D-ND	3.70	1.42	1.37
16	a	850	BCR	C30-C25	-3.69	1.48	1.53
16	7	101	BCR	C1-C6	-3.69	1.48	1.53
16	B	3046	BCR	C30-C25	-3.69	1.48	1.53
14	b	3023	CLA	C1D-ND	3.69	1.42	1.37
16	I	101	BCR	C1-C6	-3.69	1.48	1.53
14	B	3023	CLA	C1D-ND	3.69	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	2	3046	BCR	C30-C25	-3.69	1.48	1.53
16	M	1602	BCR	C1-C6	-3.68	1.48	1.53
16	m	101	BCR	C1-C6	-3.68	1.48	1.53
16	2	3044	BCR	C1-C6	-3.68	1.48	1.53
16	b	3046	BCR	C30-C25	-3.67	1.48	1.53
14	b	3037	CLA	C1D-ND	3.67	1.42	1.37
14	k	101	CLA	C1D-ND	3.66	1.42	1.37
14	B	3036	CLA	C1D-ND	3.66	1.42	1.37
16	a	845	BCR	C1-C6	-3.66	1.48	1.53
16	2	3052	BCR	C30-C25	-3.66	1.48	1.53
14	9	101	CLA	C1D-ND	3.65	1.42	1.37
16	A	851	BCR	C30-C25	-3.65	1.48	1.53
14	b	3036	CLA	C1D-ND	3.65	1.42	1.37
16	i	101	BCR	C1-C6	-3.65	1.48	1.53
14	1	820	CLA	C1D-ND	3.64	1.42	1.37
16	1	850	BCR	C30-C25	-3.64	1.48	1.53
14	a	810	CLA	C1D-ND	3.64	1.42	1.37
14	2	3036	CLA	C1D-ND	3.64	1.42	1.37
14	2	3037	CLA	C1D-ND	3.64	1.42	1.37
14	K	101	CLA	C1D-ND	3.64	1.42	1.37
14	B	3021	CLA	C1D-ND	3.64	1.42	1.37
14	0	203	CLA	C1D-ND	3.63	1.42	1.37
14	b	3021	CLA	C1D-ND	3.63	1.42	1.37
14	2	3021	CLA	C1D-ND	3.62	1.42	1.37
14	M	1601	CLA	C1D-ND	3.62	1.42	1.37
14	A	820	CLA	C1D-ND	3.62	1.42	1.37
14	a	807	CLA	C1D-ND	3.62	1.42	1.37
14	A	811	CLA	C1D-ND	3.61	1.42	1.37
14	2	3040	CLA	C1D-ND	3.61	1.42	1.37
16	B	3053	BCR	C30-C25	-3.61	1.48	1.53
14	1	808	CLA	C1D-ND	3.60	1.42	1.37
16	j	1106	BCR	C30-C25	-3.60	1.48	1.53
14	1	810	CLA	C1D-ND	3.60	1.42	1.37
16	a	848	BCR	C1-C6	-3.60	1.48	1.53
14	a	836	CLA	C1D-ND	3.60	1.42	1.37
14	B	3025	CLA	C1D-ND	3.60	1.42	1.37
16	2	3049	BCR	C1-C6	-3.59	1.48	1.53
16	1	848	BCR	C1-C6	-3.59	1.48	1.53
14	a	819	CLA	C1D-ND	3.59	1.42	1.37
14	A	808	CLA	C1D-ND	3.58	1.42	1.37
14	1	811	CLA	C1D-ND	3.58	1.42	1.37
14	B	3040	CLA	C1D-ND	3.58	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3035	CLA	C1D-ND	3.58	1.42	1.37
16	A	849	BCR	C1-C6	-3.57	1.48	1.53
14	b	3040	CLA	C1D-ND	3.57	1.42	1.37
14	b	3027	CLA	C1D-ND	3.57	1.42	1.37
14	A	831	CLA	CMB-C2B	-3.57	1.44	1.51
14	A	855	CLA	C1D-ND	3.57	1.42	1.37
14	1	837	CLA	C1D-ND	3.57	1.42	1.37
14	B	3035	CLA	C1D-ND	3.57	1.42	1.37
14	2	3025	CLA	C1D-ND	3.57	1.42	1.37
16	f	202	BCR	C30-C25	-3.57	1.48	1.53
14	a	809	CLA	C1D-ND	3.56	1.42	1.37
14	b	3024	CLA	C1D-ND	3.56	1.42	1.37
16	b	3049	BCR	C1-C6	-3.56	1.48	1.53
14	A	810	CLA	C1D-ND	3.56	1.42	1.37
16	6	202	BCR	C30-C25	-3.56	1.48	1.53
14	a	835	CLA	C1D-ND	3.56	1.42	1.37
14	b	3025	CLA	C1D-ND	3.56	1.42	1.37
14	2	3027	CLA	C1D-ND	3.56	1.42	1.37
14	1	831	CLA	CMB-C2B	-3.55	1.44	1.51
14	b	3031	CLA	C1D-ND	3.55	1.42	1.37
14	a	830	CLA	CMB-C2B	-3.55	1.44	1.51
14	B	3024	CLA	C1D-ND	3.55	1.42	1.37
14	a	831	CLA	C4D-ND	-3.54	1.32	1.37
14	A	837	CLA	C1D-ND	3.54	1.42	1.37
14	1	819	CLA	C1D-ND	3.54	1.42	1.37
14	1	832	CLA	C4D-ND	-3.54	1.32	1.37
14	B	3018	CLA	C1D-ND	3.54	1.42	1.37
14	a	826	CLA	C4D-ND	-3.54	1.32	1.37
14	2	3020	CLA	C1D-ND	3.53	1.42	1.37
14	B	3020	CLA	C1D-ND	3.53	1.42	1.37
14	B	3027	CLA	C1D-ND	3.53	1.42	1.37
16	B	3049	BCR	C1-C6	-3.53	1.48	1.53
14	B	3031	CLA	C1D-ND	3.53	1.42	1.37
14	2	3031	CLA	C1D-ND	3.53	1.42	1.37
14	2	3014	CLA	C1D-ND	3.53	1.42	1.37
14	b	3039	CLA	C1D-ND	3.52	1.42	1.37
14	b	3020	CLA	C1D-ND	3.52	1.42	1.37
14	2	3026	CLA	C4D-ND	-3.52	1.32	1.37
14	A	836	CLA	C1D-ND	3.52	1.42	1.37
14	A	814	CLA	C1D-ND	3.52	1.42	1.37
14	a	818	CLA	C1D-ND	3.52	1.42	1.37
14	2	3024	CLA	C1D-ND	3.52	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	844	CLA	C1D-ND	3.51	1.42	1.37
14	1	804	CLA	C1D-ND	3.51	1.42	1.37
14	B	3039	CLA	C1D-ND	3.51	1.42	1.37
14	a	838	CLA	C1D-ND	3.51	1.42	1.37
14	b	3018	CLA	C1D-ND	3.51	1.42	1.37
14	2	3008	CLA	C4D-ND	-3.50	1.32	1.37
14	2	3035	CLA	C1D-ND	3.50	1.42	1.37
16	A	852	BCR	C1-C6	-3.49	1.49	1.53
14	A	832	CLA	C4D-ND	-3.49	1.32	1.37
14	1	803	CLA	C4D-ND	-3.49	1.32	1.37
14	b	3008	CLA	C4D-ND	-3.49	1.32	1.37
16	F	202	BCR	C30-C25	-3.48	1.49	1.53
16	f	205	BCR	C30-C25	-3.48	1.49	1.53
14	1	827	CLA	C4D-ND	-3.48	1.32	1.37
14	2	3041	CLA	C4D-ND	-3.48	1.32	1.37
14	a	843	CLA	C1D-ND	3.48	1.42	1.37
14	A	839	CLA	C1D-ND	3.48	1.42	1.37
14	1	828	CLA	C4D-ND	-3.48	1.32	1.37
14	a	822	CLA	C1D-ND	3.48	1.42	1.37
16	1	851	BCR	C1-C6	-3.48	1.49	1.53
14	2	3039	CLA	C1D-ND	3.48	1.42	1.37
14	A	812	CLA	C1D-ND	3.48	1.42	1.37
14	a	827	CLA	C4D-ND	-3.47	1.32	1.37
14	A	819	CLA	C1D-ND	3.47	1.42	1.37
14	b	3026	CLA	C4D-ND	-3.47	1.32	1.37
14	B	3008	CLA	C4D-ND	-3.47	1.32	1.37
14	l	208	CLA	C4D-ND	-3.47	1.32	1.37
14	B	3041	CLA	C4D-ND	-3.47	1.32	1.37
14	1	836	CLA	C1D-ND	3.46	1.42	1.37
14	A	827	CLA	C4D-ND	-3.46	1.32	1.37
14	B	3026	CLA	C4D-ND	-3.46	1.32	1.37
14	A	823	CLA	C1D-ND	3.46	1.42	1.37
14	a	812	CLA	C1D-ND	3.46	1.42	1.37
14	B	3016	CLA	C1D-ND	3.45	1.42	1.37
14	A	804	CLA	C1D-ND	3.45	1.42	1.37
16	A	850	BCR	C1-C6	-3.45	1.49	1.53
14	A	844	CLA	C1D-ND	3.45	1.42	1.37
14	F	203	CLA	C1D-ND	3.45	1.42	1.37
14	0	209	CLA	C4D-ND	-3.45	1.33	1.37
14	a	824	CLA	C1D-ND	3.45	1.42	1.37
14	b	3019	CLA	C4D-ND	-3.45	1.33	1.37
14	1	825	CLA	C1D-ND	3.45	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	839	CLA	C1D-ND	3.45	1.42	1.37
14	A	833	CLA	C4D-ND	-3.45	1.33	1.37
14	b	3014	CLA	C1D-ND	3.45	1.42	1.37
14	B	3014	CLA	C1D-ND	3.44	1.42	1.37
14	a	813	CLA	C1D-ND	3.44	1.42	1.37
14	1	812	CLA	C1D-ND	3.44	1.42	1.37
14	1	814	CLA	C1D-ND	3.44	1.42	1.37
14	A	828	CLA	C4D-ND	-3.44	1.33	1.37
14	2	3019	CLA	C4D-ND	-3.44	1.33	1.37
14	B	3012	CLA	C1D-ND	3.44	1.42	1.37
14	1	833	CLA	C4D-ND	-3.44	1.33	1.37
14	1	823	CLA	C1D-ND	3.43	1.42	1.37
14	L	205	CLA	C4D-ND	-3.43	1.33	1.37
14	b	3013	CLA	C1D-ND	3.43	1.42	1.37
14	a	811	CLA	C1D-ND	3.43	1.42	1.37
14	2	3018	CLA	C1D-ND	3.43	1.42	1.37
16	l	210	BCR	C1-C6	-3.43	1.49	1.53
14	B	3013	CLA	C1D-ND	3.43	1.42	1.37
16	1	849	BCR	C1-C6	-3.43	1.49	1.53
16	M	1602	BCR	C30-C25	-3.42	1.49	1.53
16	i	101	BCR	C30-C25	-3.42	1.49	1.53
14	2	3042	CLA	C4D-ND	-3.42	1.33	1.37
14	1	813	CLA	C1D-ND	3.42	1.42	1.37
16	L	206	BCR	C1-C6	-3.42	1.49	1.53
16	a	851	BCR	C1-C6	-3.42	1.49	1.53
16	0	211	BCR	C1-C6	-3.42	1.49	1.53
16	F	205	BCR	C30-C25	-3.41	1.49	1.53
14	2	3028	CLA	C4D-ND	-3.41	1.33	1.37
14	B	3028	CLA	C4D-ND	-3.41	1.33	1.37
14	a	841	CLA	C4D-ND	-3.41	1.33	1.37
16	a	849	BCR	C1-C6	-3.41	1.49	1.53
14	b	3016	CLA	C1D-ND	3.41	1.42	1.37
14	A	803	CLA	C4D-ND	-3.41	1.33	1.37
14	B	3006	CLA	C1D-ND	3.41	1.42	1.37
14	1	818	CLA	C1D-ND	3.41	1.42	1.37
14	b	3005	CLA	C4D-ND	-3.41	1.33	1.37
14	b	3042	CLA	C4D-ND	-3.41	1.33	1.37
14	j	1101	CLA	C1D-ND	3.41	1.42	1.37
14	1	843	CLA	C4D-ND	-3.41	1.33	1.37
16	6	205	BCR	C30-C25	-3.41	1.49	1.53
14	b	3012	CLA	C1D-ND	3.40	1.42	1.37
14	b	3015	CLA	C1D-ND	3.40	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	m	101	BCR	C30-C25	-3.40	1.49	1.53
14	a	803	CLA	C4D-ND	-3.40	1.33	1.37
14	1	830	CLA	C4D-ND	-3.40	1.33	1.37
14	1	821	CLA	CHC-C1C	3.40	1.43	1.35
14	a	842	CLA	C4D-ND	-3.40	1.33	1.37
14	a	829	CLA	C4D-ND	-3.40	1.33	1.37
16	8	103	BCR	C1-C6	-3.40	1.49	1.53
14	A	818	CLA	C1D-ND	3.39	1.42	1.37
14	f	203	CLA	C1D-ND	3.39	1.42	1.37
14	2	3032	CLA	C1D-ND	3.39	1.42	1.37
14	b	3041	CLA	C4D-ND	-3.39	1.33	1.37
16	f	205	BCR	C1-C6	-3.39	1.49	1.53
14	a	827	CLA	C1D-ND	3.39	1.42	1.37
14	2	3010	CLA	C4D-ND	-3.39	1.33	1.37
14	2	3013	CLA	C1D-ND	3.39	1.42	1.37
14	2	3012	CLA	C1D-ND	3.39	1.41	1.37
14	2	3016	CLA	C1D-ND	3.39	1.41	1.37
14	6	203	CLA	C1D-ND	3.39	1.41	1.37
14	b	3006	CLA	C1D-ND	3.39	1.41	1.37
14	A	843	CLA	C4D-ND	-3.39	1.33	1.37
13	A	801	CL0	C4D-ND	-3.38	1.33	1.37
14	b	3010	CLA	C4D-ND	-3.38	1.33	1.37
14	A	842	CLA	C1D-ND	3.38	1.41	1.37
14	B	3005	CLA	C4D-ND	-3.38	1.33	1.37
16	A	847	BCR	C30-C25	-3.38	1.49	1.53
14	A	813	CLA	C1D-ND	3.38	1.41	1.37
14	a	832	CLA	C4D-ND	-3.37	1.33	1.37
14	b	3007	CLA	C4D-ND	-3.37	1.33	1.37
14	A	842	CLA	C4D-ND	-3.37	1.33	1.37
14	b	3038	CLA	C1D-ND	3.37	1.41	1.37
14	B	3032	CLA	C1D-ND	3.37	1.41	1.37
16	y	101	BCR	C30-C25	-3.37	1.49	1.53
16	a	846	BCR	C30-C25	-3.37	1.49	1.53
14	B	3039	CLA	C4D-ND	-3.37	1.33	1.37
14	b	3028	CLA	C4D-ND	-3.37	1.33	1.37
14	2	3011	CLA	C4D-ND	-3.37	1.33	1.37
14	a	837	CLA	C1D-ND	3.37	1.41	1.37
14	A	821	CLA	CHC-C1C	3.37	1.43	1.35
16	F	205	BCR	C1-C6	-3.36	1.49	1.53
14	A	825	CLA	C1D-ND	3.36	1.41	1.37
14	2	3015	CLA	C1D-ND	3.36	1.41	1.37
14	a	824	CLA	C4D-ND	-3.36	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L	201	CLA	C4D-ND	-3.36	1.33	1.37
14	a	820	CLA	CHC-C1C	3.36	1.43	1.35
13	1	801	CL0	C4D-ND	-3.36	1.33	1.37
14	b	3030	CLA	C4D-ND	-3.36	1.33	1.37
13	a	801	CL0	C4D-ND	-3.36	1.33	1.37
14	1	842	CLA	C4D-ND	-3.36	1.33	1.37
14	B	3009	CLA	C1D-ND	3.36	1.41	1.37
16	I	101	BCR	C30-C25	-3.36	1.49	1.53
16	7	101	BCR	C30-C25	-3.36	1.49	1.53
14	l	203	CLA	C4D-ND	-3.36	1.33	1.37
14	1	816	CLA	CHC-C1C	3.36	1.43	1.35
14	L	201	CLA	C1D-ND	3.36	1.41	1.37
14	B	3007	CLA	C4D-ND	-3.36	1.33	1.37
16	j	1104	BCR	C1-C6	-3.36	1.49	1.53
14	A	838	CLA	C1D-ND	3.36	1.41	1.37
14	a	833	CLA	C4D-ND	-3.35	1.33	1.37
14	2	3005	CLA	C4D-ND	-3.35	1.33	1.37
14	b	3032	CLA	C1D-ND	3.35	1.41	1.37
14	B	3019	CLA	C4D-ND	-3.35	1.33	1.37
14	B	3010	CLA	C4D-ND	-3.35	1.33	1.37
14	a	808	CLA	C1D-ND	3.35	1.41	1.37
14	1	826	CLA	C1D-ND	3.35	1.41	1.37
14	2	3009	CLA	C1D-ND	3.35	1.41	1.37
16	2	3045	BCR	C1-C6	-3.35	1.49	1.53
14	a	817	CLA	C1D-ND	3.34	1.41	1.37
14	b	3009	CLA	C1D-ND	3.34	1.41	1.37
14	b	3039	CLA	C4D-ND	-3.34	1.33	1.37
14	A	829	CLA	C1D-ND	3.34	1.41	1.37
16	A	848	BCR	C1-C6	-3.34	1.49	1.53
16	b	3045	BCR	C1-C6	-3.34	1.49	1.53
14	2	3026	CLA	C1D-ND	3.34	1.41	1.37
14	2	3027	CLA	C4D-ND	-3.34	1.33	1.37
14	a	825	CLA	C1D-ND	3.33	1.41	1.37
14	A	830	CLA	C4D-ND	-3.33	1.33	1.37
14	B	3027	CLA	C4D-ND	-3.33	1.33	1.37
14	b	3027	CLA	C4D-ND	-3.33	1.33	1.37
14	B	3042	CLA	C4D-ND	-3.33	1.33	1.37
14	a	815	CLA	CHC-C1C	3.33	1.43	1.35
14	B	3015	CLA	C1D-ND	3.33	1.41	1.37
14	l	203	CLA	C1D-ND	3.33	1.41	1.37
14	1	805	CLA	C1D-ND	3.33	1.41	1.37
14	A	828	CLA	C1D-ND	3.33	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3030	CLA	C4D-ND	-3.33	1.33	1.37
14	2	3006	CLA	C1D-ND	3.33	1.41	1.37
14	1	829	CLA	C1D-ND	3.33	1.41	1.37
14	A	826	CLA	C1D-ND	3.32	1.41	1.37
14	A	805	CLA	C1D-ND	3.32	1.41	1.37
16	J	103	BCR	C1-C6	-3.32	1.49	1.53
16	6	205	BCR	C1-C6	-3.32	1.49	1.53
14	a	821	CLA	C4D-ND	-3.32	1.33	1.37
14	A	834	CLA	C4D-ND	-3.32	1.33	1.37
14	a	828	CLA	C1D-ND	3.32	1.41	1.37
16	A	847	BCR	C1-C6	-3.31	1.49	1.53
16	1	847	BCR	C1-C6	-3.31	1.49	1.53
16	a	847	BCR	C1-C6	-3.31	1.49	1.53
14	b	3011	CLA	C4D-ND	-3.31	1.33	1.37
14	2	3030	CLA	C4D-ND	-3.31	1.33	1.37
14	2	3038	CLA	C1D-ND	3.31	1.41	1.37
14	1	825	CLA	C4D-ND	-3.31	1.33	1.37
14	F	201	CLA	C1D-ND	3.30	1.41	1.37
16	B	3045	BCR	C1-C6	-3.30	1.49	1.53
14	B	3026	CLA	C1D-ND	3.30	1.41	1.37
14	a	821	CLA	C1D-ND	3.30	1.41	1.37
16	1	846	BCR	C30-C25	-3.30	1.49	1.53
14	A	816	CLA	CHC-C1C	3.30	1.43	1.35
14	b	3003	CLA	C4D-ND	-3.30	1.33	1.37
14	1	840	CLA	C4D-ND	-3.30	1.33	1.37
14	A	840	CLA	C4D-ND	-3.30	1.33	1.37
14	A	822	CLA	C1D-ND	3.30	1.41	1.37
14	b	3026	CLA	C1D-ND	3.30	1.41	1.37
14	1	806	CLA	C4D-ND	-3.30	1.33	1.37
14	2	3014	CLA	C4D-ND	-3.30	1.33	1.37
14	a	813	CLA	C4D-ND	-3.30	1.33	1.37
14	B	3007	CLA	C1D-ND	3.30	1.41	1.37
14	B	3038	CLA	C1D-ND	3.30	1.41	1.37
16	B	3047	BCR	C1-C6	-3.29	1.49	1.53
16	a	846	BCR	C1-C6	-3.29	1.49	1.53
14	B	3011	CLA	C4D-ND	-3.29	1.33	1.37
14	2	3007	CLA	C4D-ND	-3.29	1.33	1.37
16	2	3047	BCR	C1-C6	-3.29	1.49	1.53
14	a	839	CLA	C4D-ND	-3.29	1.33	1.37
14	A	802	CLA	C4D-ND	-3.29	1.33	1.37
14	1	828	CLA	C1D-ND	3.29	1.41	1.37
14	A	825	CLA	C4D-ND	-3.29	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3003	CLA	C4D-ND	-3.29	1.33	1.37
16	b	3047	BCR	C1-C6	-3.29	1.49	1.53
14	0	204	CLA	C4D-ND	-3.29	1.33	1.37
14	f	201	CLA	C1D-ND	3.29	1.41	1.37
14	0	207	CLA	C1D-ND	3.29	1.41	1.37
14	1	842	CLA	C1D-ND	3.29	1.41	1.37
14	1	838	CLA	C1D-ND	3.29	1.41	1.37
14	2	3039	CLA	C4D-ND	-3.29	1.33	1.37
14	a	804	CLA	C1D-ND	3.28	1.41	1.37
16	1	846	BCR	C1-C6	-3.28	1.49	1.53
14	a	841	CLA	C1D-ND	3.28	1.41	1.37
14	1	834	CLA	C4D-ND	-3.28	1.33	1.37
14	1	836	CLA	C4D-ND	-3.27	1.33	1.37
14	1	835	CLA	C1D-ND	3.27	1.41	1.37
14	0	204	CLA	C1D-ND	3.27	1.41	1.37
14	b	3007	CLA	C1D-ND	3.27	1.41	1.37
14	A	814	CLA	C4D-ND	-3.27	1.33	1.37
14	1	809	CLA	C1D-ND	3.26	1.41	1.37
14	1	841	CLA	C1D-ND	3.26	1.41	1.37
14	1	802	CLA	C4D-ND	-3.26	1.33	1.37
14	a	840	CLA	C1D-ND	3.26	1.41	1.37
14	a	805	CLA	C4D-ND	-3.26	1.33	1.37
14	a	834	CLA	C1D-ND	3.26	1.41	1.37
14	b	3014	CLA	C4D-ND	-3.26	1.33	1.37
14	A	809	CLA	C1D-ND	3.25	1.41	1.37
14	l	206	CLA	C1D-ND	3.25	1.41	1.37
14	B	3014	CLA	C4D-ND	-3.25	1.33	1.37
14	2	3003	CLA	C4D-ND	-3.25	1.33	1.37
14	a	835	CLA	C4D-ND	-3.25	1.33	1.37
14	2	3034	CLA	C1D-ND	3.25	1.41	1.37
14	1	839	CLA	C4D-ND	-3.25	1.33	1.37
14	6	201	CLA	C4D-ND	-3.25	1.33	1.37
14	B	3011	CLA	CMB-C2B	-3.24	1.44	1.51
14	6	201	CLA	C1D-ND	3.24	1.41	1.37
14	a	802	CLA	C4D-ND	-3.24	1.33	1.37
14	A	839	CLA	C4D-ND	-3.24	1.33	1.37
14	a	838	CLA	C4D-ND	-3.24	1.33	1.37
14	L	203	CLA	C1D-ND	3.24	1.41	1.37
14	A	836	CLA	C4D-ND	-3.24	1.33	1.37
14	A	822	CLA	C4D-ND	-3.24	1.33	1.37
14	a	839	CLA	C1D-ND	3.24	1.41	1.37
14	2	3007	CLA	C1D-ND	3.24	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3011	CLA	CMB-C2B	-3.23	1.44	1.51
14	A	829	CLA	C4D-ND	-3.23	1.33	1.37
14	x	1701	CLA	CHC-C1C	3.23	1.43	1.35
14	0	207	CLA	C4D-ND	-3.23	1.33	1.37
14	1	822	CLA	C1D-ND	3.23	1.41	1.37
14	1	840	CLA	C1D-ND	3.23	1.41	1.37
14	b	3034	CLA	C1D-ND	3.23	1.41	1.37
14	J	102	CLA	CHC-C1C	3.23	1.43	1.35
14	2	3011	CLA	CMB-C2B	-3.23	1.44	1.51
14	6	203	CLA	CHC-C1C	3.23	1.43	1.35
14	B	3034	CLA	C1D-ND	3.23	1.41	1.37
14	2	3008	CLA	C1D-ND	3.22	1.41	1.37
14	f	203	CLA	CHC-C1C	3.22	1.43	1.35
14	8	102	CLA	CHC-C1C	3.22	1.43	1.35
14	2	3009	CLA	C4D-ND	-3.22	1.33	1.37
14	A	806	CLA	C4D-ND	-3.22	1.33	1.37
14	z	1701	CLA	CHC-C1C	3.22	1.43	1.35
14	L	203	CLA	C4D-ND	-3.22	1.33	1.37
14	1	814	CLA	C4D-ND	-3.22	1.33	1.37
14	F	203	CLA	CHC-C1C	3.22	1.43	1.35
14	B	3033	CLA	C4D-ND	-3.22	1.33	1.37
16	8	104	BCR	C30-C25	-3.22	1.49	1.53
14	2	3016	CLA	C4D-ND	-3.22	1.33	1.37
14	1	822	CLA	C4D-ND	-3.21	1.33	1.37
16	0	210	BCR	C1-C6	-3.21	1.49	1.53
14	B	3040	CLA	C4D-ND	-3.21	1.33	1.37
14	a	808	CLA	C4D-ND	-3.21	1.33	1.37
16	A	846	BCR	C30-C25	-3.21	1.49	1.53
14	2	3034	CLA	C4D-ND	-3.21	1.33	1.37
14	X	1701	CLA	CHC-C1C	3.20	1.43	1.35
14	A	823	CLA	C4D-ND	-3.20	1.33	1.37
16	I	102	BCR	C1-C6	-3.20	1.49	1.53
14	A	812	CLA	C4D-ND	-3.20	1.33	1.37
14	1	835	CLA	C4D-ND	-3.20	1.33	1.37
14	b	3009	CLA	C4D-ND	-3.20	1.33	1.37
14	l	206	CLA	C4D-ND	-3.20	1.33	1.37
14	b	3008	CLA	C1D-ND	3.20	1.41	1.37
14	A	840	CLA	C1D-ND	3.20	1.41	1.37
14	k	102	CLA	CHC-C1C	3.20	1.43	1.35
16	l	209	BCR	C1-C6	-3.20	1.49	1.53
16	9	102	BCR	C30-C25	-3.20	1.49	1.53
14	a	811	CLA	C4D-ND	-3.20	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	842	CLA	CMB-C2B	-3.20	1.45	1.51
14	A	834	CLA	C1D-ND	3.20	1.41	1.37
14	a	828	CLA	C4D-ND	-3.19	1.33	1.37
14	a	837	CLA	C4D-ND	-3.19	1.33	1.37
14	2	3025	CLA	C4D-ND	-3.19	1.33	1.37
14	1	818	CLA	CHC-C1C	3.19	1.43	1.35
14	j	1103	CLA	CHC-C1C	3.19	1.43	1.35
14	A	835	CLA	C1D-ND	3.19	1.41	1.37
14	B	3023	CLA	CHC-C1C	3.19	1.43	1.35
14	b	3010	CLA	C1D-ND	3.19	1.41	1.37
14	B	3025	CLA	C4D-ND	-3.19	1.33	1.37
14	F	203	CLA	C4D-ND	-3.19	1.33	1.37
14	2	3028	CLA	CHC-C1C	3.19	1.43	1.35
14	1	809	CLA	C4D-ND	-3.19	1.33	1.37
14	A	835	CLA	C4D-ND	-3.18	1.33	1.37
14	A	841	CLA	C1D-ND	3.18	1.41	1.37
14	K	102	CLA	CHC-C1C	3.18	1.43	1.35
14	F	201	CLA	C4D-ND	-3.18	1.33	1.37
14	B	3009	CLA	C4D-ND	-3.18	1.33	1.37
14	1	804	CLA	C4D-ND	-3.18	1.33	1.37
14	B	3004	CLA	C4D-ND	-3.18	1.33	1.37
14	2	3038	CLA	C4D-ND	-3.18	1.33	1.37
14	b	3033	CLA	C1D-ND	3.18	1.41	1.37
14	b	3023	CLA	CHC-C1C	3.18	1.43	1.35
14	1	843	CLA	CMB-C2B	-3.18	1.45	1.51
14	2	3033	CLA	C4D-ND	-3.18	1.33	1.37
14	A	809	CLA	C4D-ND	-3.18	1.33	1.37
14	a	822	CLA	C4D-ND	-3.18	1.33	1.37
14	B	3030	CLA	C1D-ND	3.18	1.41	1.37
14	b	3028	CLA	CHC-C1C	3.18	1.43	1.35
14	1	829	CLA	C4D-ND	-3.17	1.33	1.37
14	A	818	CLA	CHC-C1C	3.17	1.43	1.35
14	b	3034	CLA	C4D-ND	-3.17	1.33	1.37
14	b	3030	CLA	C1D-ND	3.17	1.41	1.37
14	A	804	CLA	C4D-ND	-3.17	1.33	1.37
14	B	3032	CLA	C4D-ND	-3.17	1.33	1.37
14	1	833	CLA	C1D-ND	3.17	1.41	1.37
14	a	834	CLA	C4D-ND	-3.17	1.33	1.37
14	f	201	CLA	C4D-ND	-3.17	1.33	1.37
14	b	3032	CLA	C4D-ND	-3.16	1.33	1.37
14	2	3006	CLA	C4D-ND	-3.16	1.33	1.37
16	j	1105	BCR	C30-C25	-3.16	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	823	CLA	C4D-ND	-3.16	1.33	1.37
14	a	817	CLA	CHC-C1C	3.16	1.43	1.35
14	2	3004	CLA	C4D-ND	-3.16	1.33	1.37
14	b	3040	CLA	C4D-ND	-3.16	1.33	1.37
14	f	203	CLA	C4D-ND	-3.16	1.33	1.37
14	B	3016	CLA	C4D-ND	-3.16	1.33	1.37
14	A	843	CLA	CMB-C2B	-3.16	1.45	1.51
14	b	3025	CLA	C4D-ND	-3.16	1.33	1.37
14	2	3040	CLA	C4D-ND	-3.16	1.33	1.37
14	2	3032	CLA	C4D-ND	-3.15	1.33	1.37
14	B	3024	CLA	CHC-C1C	3.15	1.43	1.35
14	1	822	CLA	CHC-C1C	3.15	1.43	1.35
14	l	208	CLA	C1D-ND	3.15	1.41	1.37
14	0	209	CLA	C1D-ND	3.15	1.41	1.37
14	B	3006	CLA	C4D-ND	-3.15	1.33	1.37
14	A	837	CLA	CHC-C1C	3.15	1.43	1.35
14	2	3019	CLA	C1D-ND	3.15	1.41	1.37
14	b	3006	CLA	C4D-ND	-3.15	1.33	1.37
14	B	3028	CLA	CHC-C1C	3.15	1.43	1.35
14	1	812	CLA	C4D-ND	-3.15	1.33	1.37
14	A	813	CLA	C4D-ND	-3.15	1.33	1.37
14	B	3012	CLA	C4D-ND	-3.15	1.33	1.37
14	b	3020	CLA	C4D-ND	-3.15	1.33	1.37
14	2	3017	CLA	C1D-ND	3.15	1.41	1.37
14	2	3023	CLA	CHC-C1C	3.15	1.43	1.35
14	B	3034	CLA	C4D-ND	-3.15	1.33	1.37
14	j	1101	CLA	C4D-ND	-3.15	1.33	1.37
14	2	3030	CLA	C1D-ND	3.15	1.41	1.37
14	a	812	CLA	C4D-ND	-3.15	1.33	1.37
14	6	203	CLA	C4D-ND	-3.15	1.33	1.37
14	f	201	CLA	CHC-C1C	3.15	1.43	1.35
14	1	834	CLA	C1D-ND	3.15	1.41	1.37
16	J	104	BCR	C30-C25	-3.15	1.49	1.53
14	1	807	CLA	C4D-ND	-3.15	1.33	1.37
14	a	836	CLA	C4D-ND	-3.15	1.33	1.37
14	b	3033	CLA	C4D-ND	-3.15	1.33	1.37
14	9	103	CLA	CHC-C1C	3.14	1.43	1.35
16	a	845	BCR	C30-C25	-3.14	1.49	1.53
14	1	806	CLA	C1D-ND	3.14	1.41	1.37
14	1	813	CLA	C4D-ND	-3.14	1.33	1.37
14	1	838	CLA	C4D-ND	-3.14	1.33	1.37
14	2	3021	CLA	CHC-C1C	3.14	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	6	201	CLA	CHC-C1C	3.14	1.43	1.35
14	b	3019	CLA	C1D-ND	3.14	1.41	1.37
14	a	836	CLA	CHC-C1C	3.14	1.43	1.35
14	b	3016	CLA	C4D-ND	-3.14	1.33	1.37
14	b	3038	CLA	C4D-ND	-3.14	1.33	1.37
14	b	3021	CLA	CHC-C1C	3.14	1.43	1.35
14	a	814	CLA	CHC-C1C	3.14	1.43	1.35
14	B	3008	CLA	C1D-ND	3.14	1.41	1.37
14	A	807	CLA	C4D-ND	-3.14	1.33	1.37
14	a	821	CLA	CHC-C1C	3.13	1.43	1.35
14	a	831	CLA	C1D-ND	3.13	1.41	1.37
14	F	201	CLA	CHC-C1C	3.13	1.43	1.35
14	a	807	CLA	C4D-ND	-3.13	1.33	1.37
14	a	831	CLA	CMB-C2B	-3.13	1.45	1.51
14	B	3021	CLA	CHC-C1C	3.13	1.43	1.35
14	B	3021	CLA	C4D-ND	-3.13	1.33	1.37
14	2	3012	CLA	C4D-ND	-3.13	1.33	1.37
14	A	832	CLA	C1D-ND	3.13	1.41	1.37
14	2	3033	CLA	C1D-ND	3.13	1.41	1.37
14	A	832	CLA	CMB-C2B	-3.12	1.45	1.51
14	2	3020	CLA	C4D-ND	-3.12	1.33	1.37
14	2	3010	CLA	C1D-ND	3.12	1.41	1.37
14	A	833	CLA	C1D-ND	3.12	1.41	1.37
14	B	3020	CLA	C4D-ND	-3.12	1.33	1.37
14	1	808	CLA	C4D-ND	-3.12	1.33	1.37
14	B	3033	CLA	C1D-ND	3.12	1.41	1.37
14	b	3026	CLA	CHC-C1C	3.12	1.43	1.35
14	L	205	CLA	C1D-ND	3.12	1.41	1.37
14	a	805	CLA	C1D-ND	3.12	1.41	1.37
14	1	837	CLA	CHC-C1C	3.12	1.43	1.35
14	a	833	CLA	C1D-ND	3.12	1.41	1.37
14	B	3038	CLA	C4D-ND	-3.12	1.33	1.37
14	A	822	CLA	CHC-C1C	3.11	1.42	1.35
14	b	3021	CLA	C4D-ND	-3.11	1.33	1.37
14	B	3010	CLA	C1D-ND	3.11	1.41	1.37
14	B	3019	CLA	C1D-ND	3.11	1.41	1.37
14	2	3024	CLA	CHC-C1C	3.11	1.42	1.35
14	A	815	CLA	CHC-C1C	3.11	1.42	1.35
14	b	3004	CLA	C4D-ND	-3.11	1.33	1.37
14	B	3017	CLA	C1D-ND	3.11	1.41	1.37
14	a	809	CLA	C4D-ND	-3.11	1.33	1.37
14	a	832	CLA	C1D-ND	3.10	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3026	CLA	CHC-C1C	3.10	1.42	1.35
14	a	830	CLA	C4D-ND	-3.10	1.33	1.37
14	B	3026	CLA	CHC-C1C	3.10	1.42	1.35
14	b	3024	CLA	CHC-C1C	3.10	1.42	1.35
14	0	207	CLA	CHC-C1C	3.10	1.42	1.35
14	b	3017	CLA	C1D-ND	3.10	1.41	1.37
14	1	815	CLA	CHC-C1C	3.10	1.42	1.35
14	1	832	CLA	CMB-C2B	-3.10	1.45	1.51
16	2	3045	BCR	C30-C25	-3.10	1.49	1.53
14	a	803	CLA	CMB-C2B	-3.09	1.45	1.51
14	1	832	CLA	C1D-ND	3.09	1.41	1.37
14	1	837	CLA	C4D-ND	-3.09	1.33	1.37
14	A	808	CLA	C4D-ND	-3.09	1.33	1.37
14	a	804	CLA	C4D-ND	-3.09	1.33	1.37
14	1	831	CLA	C4D-ND	-3.09	1.33	1.37
14	A	803	CLA	CMB-C2B	-3.09	1.45	1.51
14	l	206	CLA	CHC-C1C	3.09	1.42	1.35
14	L	203	CLA	CHC-C1C	3.09	1.42	1.35
14	A	831	CLA	C4D-ND	-3.09	1.33	1.37
14	K	101	CLA	CHC-C1C	3.09	1.42	1.35
14	k	101	CLA	CHC-C1C	3.09	1.42	1.35
14	2	3029	CLA	C4D-ND	-3.09	1.33	1.37
14	A	837	CLA	C4D-ND	-3.09	1.33	1.37
14	b	3029	CLA	C4D-ND	-3.08	1.33	1.37
14	1	807	CLA	C1D-ND	3.08	1.41	1.37
14	B	3020	CLA	CHC-C1C	3.08	1.42	1.35
14	B	3029	CLA	C4D-ND	-3.08	1.33	1.37
14	9	101	CLA	CHC-C1C	3.08	1.42	1.35
14	a	806	CLA	C4D-ND	-3.08	1.33	1.37
14	a	818	CLA	C4D-ND	-3.08	1.33	1.37
14	A	823	CLA	CHC-C1C	3.08	1.42	1.35
14	2	3017	CLA	C4D-ND	-3.08	1.33	1.37
14	a	841	CLA	CHC-C1C	3.08	1.42	1.35
14	A	838	CLA	C4D-ND	-3.07	1.33	1.37
14	b	3012	CLA	C4D-ND	-3.07	1.33	1.37
14	0	203	CLA	CHC-C1C	3.07	1.42	1.35
16	b	3045	BCR	C30-C25	-3.07	1.49	1.53
14	B	3015	CLA	CHC-C1C	3.07	1.42	1.35
14	2	3020	CLA	CHC-C1C	3.07	1.42	1.35
14	k	102	CLA	C4D-ND	-3.07	1.33	1.37
14	M	1601	CLA	CHC-C1C	3.07	1.42	1.35
14	A	805	CLA	C4D-ND	-3.07	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3013	CLA	C4D-ND	-3.07	1.33	1.37
14	1	842	CLA	CHC-C1C	3.07	1.42	1.35
14	A	808	CLA	CHC-C1C	3.07	1.42	1.35
14	A	819	CLA	C4D-ND	-3.07	1.33	1.37
17	1	852	LHG	O7-C5	-3.07	1.38	1.46
14	2	3037	CLA	CHC-C1C	3.06	1.42	1.35
13	A	801	CL0	C1D-ND	3.06	1.41	1.37
14	A	842	CLA	CHC-C1C	3.06	1.42	1.35
14	1	805	CLA	CHC-C1C	3.06	1.42	1.35
14	1	827	CLA	CHC-C1C	3.06	1.42	1.35
14	1	803	CLA	CMB-C2B	-3.06	1.45	1.51
14	A	807	CLA	C1D-ND	3.06	1.41	1.37
13	a	801	CL0	C1D-ND	3.06	1.41	1.37
14	1	810	CLA	C4D-ND	-3.06	1.33	1.37
14	b	3013	CLA	C4D-ND	-3.06	1.33	1.37
13	1	801	CL0	C1D-ND	3.06	1.41	1.37
14	A	810	CLA	C4D-ND	-3.06	1.33	1.37
14	2	3024	CLA	C4D-ND	-3.06	1.33	1.37
14	a	804	CLA	CHC-C1C	3.06	1.42	1.35
14	B	3013	CLA	C4D-ND	-3.06	1.33	1.37
14	2	3014	CLA	CHC-C1C	3.06	1.42	1.35
14	a	824	CLA	CHC-C1C	3.06	1.42	1.35
14	a	807	CLA	CHC-C1C	3.05	1.42	1.35
14	b	3020	CLA	CHC-C1C	3.05	1.42	1.35
14	A	813	CLA	CHC-C1C	3.05	1.42	1.35
14	A	824	CLA	C4D-ND	-3.05	1.33	1.37
16	2	3044	BCR	C30-C25	-3.05	1.49	1.53
14	b	3017	CLA	C4D-ND	-3.05	1.33	1.37
14	b	3030	CLA	CMB-C2B	-3.05	1.45	1.51
17	a	852	LHG	O7-C5	-3.05	1.39	1.46
14	1	819	CLA	C4D-ND	-3.05	1.33	1.37
16	B	3044	BCR	C30-C25	-3.05	1.49	1.53
17	A	853	LHG	O7-C5	-3.05	1.39	1.46
14	A	855	CLA	CHC-C1C	3.05	1.42	1.35
14	b	3037	CLA	CHC-C1C	3.05	1.42	1.35
14	a	822	CLA	CHC-C1C	3.05	1.42	1.35
14	A	805	CLA	CHC-C1C	3.05	1.42	1.35
14	A	825	CLA	CHC-C1C	3.05	1.42	1.35
14	2	3038	CLA	CHC-C1C	3.05	1.42	1.35
14	1	811	CLA	CHC-C1C	3.04	1.42	1.35
14	b	3029	CLA	C1D-ND	3.04	1.41	1.37
14	a	823	CLA	C4D-ND	-3.04	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	813	CLA	CHC-C1C	3.04	1.42	1.35
14	B	3017	CLA	C4D-ND	-3.04	1.33	1.37
14	b	3015	CLA	CHC-C1C	3.04	1.42	1.35
14	A	806	CLA	C1D-ND	3.04	1.41	1.37
14	B	3031	CLA	CMB-C2B	-3.04	1.45	1.51
14	2	3021	CLA	C4D-ND	-3.04	1.33	1.37
14	b	3036	CLA	CHC-C1C	3.04	1.42	1.35
14	B	3037	CLA	CHC-C1C	3.04	1.42	1.35
14	1	808	CLA	CHC-C1C	3.04	1.42	1.35
14	1	823	CLA	CHC-C1C	3.04	1.42	1.35
14	b	3014	CLA	CHC-C1C	3.04	1.42	1.35
14	A	809	CLA	CHC-C1C	3.04	1.42	1.35
14	1	818	CLA	C4D-ND	-3.04	1.33	1.37
14	2	3029	CLA	C1D-ND	3.04	1.41	1.37
14	a	826	CLA	CHC-C1C	3.04	1.42	1.35
14	B	3012	CLA	CMB-C2B	-3.04	1.45	1.51
14	b	3025	CLA	CHC-C1C	3.03	1.42	1.35
14	2	3032	CLA	CHC-C1C	3.03	1.42	1.35
14	a	843	CLA	C4D-ND	-3.03	1.33	1.37
14	B	3029	CLA	C1D-ND	3.03	1.41	1.37
14	a	810	CLA	CHC-C1C	3.03	1.42	1.35
14	B	3005	CLA	C1D-ND	3.03	1.41	1.37
14	a	812	CLA	CHC-C1C	3.03	1.42	1.35
14	8	101	CLA	CHC-C1C	3.03	1.42	1.35
14	a	827	CLA	CHC-C1C	3.03	1.42	1.35
14	1	834	CLA	CHC-C1C	3.03	1.42	1.35
14	b	3005	CLA	C1D-ND	3.03	1.41	1.37
14	A	802	CLA	CHC-C1C	3.03	1.42	1.35
14	1	805	CLA	C4D-ND	-3.03	1.33	1.37
14	A	834	CLA	CHC-C1C	3.03	1.42	1.35
14	a	833	CLA	CHC-C1C	3.03	1.42	1.35
14	b	3031	CLA	CMB-C2B	-3.02	1.45	1.51
14	a	825	CLA	C4D-ND	-3.02	1.33	1.37
14	1	828	CLA	CHC-C1C	3.02	1.42	1.35
14	B	3036	CLA	CHC-C1C	3.02	1.42	1.35
14	j	1102	CLA	CHC-C1C	3.02	1.42	1.35
14	A	827	CLA	CHC-C1C	3.02	1.42	1.35
14	1	824	CLA	C4D-ND	-3.02	1.33	1.37
16	B	3045	BCR	C30-C25	-3.02	1.49	1.53
14	L	204	CLA	C1D-ND	3.02	1.41	1.37
14	A	811	CLA	C4D-ND	-3.02	1.33	1.37
14	A	817	CLA	C4D-ND	-3.02	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	803	CLA	C1D-ND	3.02	1.41	1.37
14	b	3012	CLA	CMB-C2B	-3.02	1.45	1.51
14	B	3032	CLA	CHC-C1C	3.02	1.42	1.35
14	J	101	CLA	CHC-C1C	3.02	1.42	1.35
14	a	808	CLA	CHC-C1C	3.02	1.42	1.35
14	1	844	CLA	C4D-ND	-3.02	1.33	1.37
14	a	829	CLA	C1D-ND	3.02	1.41	1.37
14	B	3014	CLA	CHC-C1C	3.02	1.42	1.35
14	b	3035	CLA	C4D-ND	-3.02	1.33	1.37
14	B	3006	CLA	CHC-C1C	3.02	1.42	1.35
14	b	3032	CLA	CHC-C1C	3.02	1.42	1.35
14	2	3012	CLA	CMB-C2B	-3.02	1.45	1.51
14	2	3035	CLA	C4D-ND	-3.01	1.33	1.37
14	1	809	CLA	CHC-C1C	3.01	1.42	1.35
14	1	825	CLA	CHC-C1C	3.01	1.42	1.35
14	2	3015	CLA	CHC-C1C	3.01	1.42	1.35
14	1	830	CLA	C1D-ND	3.01	1.41	1.37
14	a	802	CLA	CHC-C1C	3.01	1.42	1.35
14	F	204	CLA	C4D-ND	-3.01	1.33	1.37
14	b	3034	CLA	CHC-C1C	3.01	1.42	1.35
14	1	826	CLA	C4D-ND	-3.01	1.33	1.37
14	A	811	CLA	CHC-C1C	3.01	1.42	1.35
14	B	3025	CLA	CHC-C1C	3.01	1.42	1.35
14	B	3030	CLA	CMB-C2B	-3.01	1.45	1.51
14	b	3038	CLA	CHC-C1C	3.01	1.42	1.35
14	2	3013	CLA	CHC-C1C	3.01	1.42	1.35
14	f	204	CLA	C4D-ND	-3.01	1.33	1.37
14	2	3025	CLA	CHC-C1C	3.01	1.42	1.35
16	b	3044	BCR	C30-C25	-3.01	1.49	1.53
14	a	810	CLA	C4D-ND	-3.01	1.33	1.37
14	B	3038	CLA	CHC-C1C	3.01	1.42	1.35
14	b	3007	CLA	CMB-C2B	-3.00	1.45	1.51
14	b	3024	CLA	C4D-ND	-3.00	1.33	1.37
14	2	3031	CLA	CMB-C2B	-3.00	1.45	1.51
14	1	816	CLA	C4D-ND	-3.00	1.33	1.37
14	0	208	CLA	C1D-ND	3.00	1.41	1.37
14	b	3006	CLA	CHC-C1C	3.00	1.42	1.35
14	1	802	CLA	CHC-C1C	3.00	1.42	1.35
14	2	3036	CLA	CHC-C1C	3.00	1.42	1.35
14	2	3030	CLA	CMB-C2B	-3.00	1.45	1.51
14	B	3033	CLA	CHC-C1C	3.00	1.42	1.35
14	9	103	CLA	C4D-ND	-3.00	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3034	CLA	CHC-C1C	3.00	1.42	1.35
14	K	102	CLA	C4D-ND	-3.00	1.33	1.37
14	A	814	CLA	CHC-C1C	2.99	1.42	1.35
14	a	803	CLA	C1D-ND	2.99	1.41	1.37
14	A	828	CLA	CHC-C1C	2.99	1.42	1.35
14	b	3027	CLA	CHC-C1C	2.99	1.42	1.35
14	1	844	CLA	CHC-C1C	2.99	1.42	1.35
14	B	3027	CLA	CHC-C1C	2.99	1.42	1.35
14	B	3034	CLA	CHC-C1C	2.99	1.42	1.35
14	2	3033	CLA	CHC-C1C	2.99	1.42	1.35
14	A	818	CLA	C4D-ND	-2.99	1.33	1.37
16	k	103	BCR	C1-C6	-2.99	1.49	1.53
14	b	3033	CLA	CHC-C1C	2.99	1.42	1.35
14	2	3006	CLA	CHC-C1C	2.99	1.42	1.35
14	A	844	CLA	C4D-ND	-2.98	1.33	1.37
14	a	816	CLA	C4D-ND	-2.98	1.33	1.37
14	2	3005	CLA	C1D-ND	2.98	1.41	1.37
14	2	3011	CLA	C1D-ND	2.98	1.41	1.37
14	a	815	CLA	C4D-ND	-2.98	1.33	1.37
14	2	3007	CLA	CMB-C2B	-2.98	1.45	1.51
14	b	3004	CLA	C1D-ND	2.98	1.41	1.37
14	1	824	CLA	CHC-C1C	2.98	1.42	1.35
14	a	813	CLA	CHC-C1C	2.98	1.42	1.35
14	B	3041	CLA	C1D-ND	2.98	1.41	1.37
14	6	204	CLA	C4D-ND	-2.98	1.33	1.37
14	1	827	CLA	C1D-ND	2.98	1.41	1.37
14	1	814	CLA	CHC-C1C	2.98	1.42	1.35
14	A	826	CLA	C4D-ND	-2.98	1.33	1.37
14	1	810	CLA	CHC-C1C	2.98	1.42	1.35
14	a	835	CLA	CMB-C2B	-2.98	1.45	1.51
14	A	836	CLA	CMB-C2B	-2.98	1.45	1.51
14	2	3027	CLA	CHC-C1C	2.98	1.42	1.35
14	2	3041	CLA	C1D-ND	2.97	1.41	1.37
14	a	811	CLA	CHC-C1C	2.97	1.42	1.35
14	b	3013	CLA	CHC-C1C	2.97	1.42	1.35
14	a	806	CLA	C1D-ND	2.97	1.41	1.37
14	0	203	CLA	C4D-ND	-2.97	1.33	1.37
14	2	3039	CLA	CHC-C1C	2.97	1.42	1.35
14	B	3035	CLA	C4D-ND	-2.97	1.33	1.37
14	B	3004	CLA	C1D-ND	2.97	1.41	1.37
14	1	803	CLA	C1D-ND	2.97	1.41	1.37
14	A	816	CLA	C4D-ND	-2.97	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3023	CLA	C4D-ND	-2.97	1.33	1.37
14	2	3004	CLA	C1D-ND	2.97	1.41	1.37
13	A	801	CL0	CMB-C2B	-2.97	1.45	1.51
14	B	3007	CLA	CMB-C2B	-2.97	1.45	1.51
16	K	103	BCR	C1-C6	-2.97	1.49	1.53
14	b	3029	CLA	CMB-C2B	-2.97	1.45	1.51
14	a	817	CLA	C4D-ND	-2.97	1.33	1.37
14	K	101	CLA	C4D-ND	-2.97	1.33	1.37
14	a	843	CLA	CHC-C1C	2.96	1.42	1.35
14	2	3029	CLA	CMB-C2B	-2.96	1.45	1.51
14	B	3011	CLA	C1D-ND	2.96	1.41	1.37
14	a	823	CLA	CHC-C1C	2.96	1.42	1.35
14	b	3036	CLA	C4D-ND	-2.96	1.33	1.37
14	A	830	CLA	C1D-ND	2.96	1.41	1.37
14	A	812	CLA	CHC-C1C	2.96	1.42	1.35
14	b	3039	CLA	CHC-C1C	2.96	1.42	1.35
14	1	803	CLA	CHC-C1C	2.96	1.42	1.35
13	1	801	CL0	CMB-C2B	-2.96	1.45	1.51
14	B	3013	CLA	CHC-C1C	2.96	1.42	1.35
14	X	1701	CLA	C4D-ND	-2.96	1.33	1.37
14	b	3023	CLA	C4D-ND	-2.96	1.33	1.37
14	B	3024	CLA	C4D-ND	-2.96	1.33	1.37
14	B	3039	CLA	CHC-C1C	2.96	1.42	1.35
14	B	3018	CLA	C4D-ND	-2.95	1.33	1.37
14	1	811	CLA	C4D-ND	-2.95	1.33	1.37
14	1	839	CLA	CMB-C2B	-2.95	1.45	1.51
14	A	844	CLA	CHC-C1C	2.95	1.42	1.35
14	b	3018	CLA	C4D-ND	-2.95	1.33	1.37
13	a	801	CL0	CMB-C2B	-2.95	1.45	1.51
14	A	803	CLA	CHC-C1C	2.95	1.42	1.35
14	b	3029	CLA	CHC-C1C	2.95	1.42	1.35
14	B	3029	CLA	CMB-C2B	-2.95	1.45	1.51
14	a	809	CLA	CHC-C1C	2.95	1.42	1.35
14	a	826	CLA	C1D-ND	2.95	1.41	1.37
14	b	3041	CLA	C1D-ND	2.95	1.41	1.37
14	a	814	CLA	C4D-ND	-2.95	1.33	1.37
14	b	3031	CLA	CHC-C1C	2.95	1.42	1.35
14	b	3040	CLA	CHC-C1C	2.95	1.42	1.35
16	9	104	BCR	C1-C6	-2.95	1.49	1.53
14	A	840	CLA	CHC-C1C	2.94	1.42	1.35
14	z	1701	CLA	C4D-ND	-2.94	1.33	1.37
14	1	817	CLA	C4D-ND	-2.94	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	810	CLA	CHC-C1C	2.94	1.42	1.35
14	1	836	CLA	CMB-C2B	-2.94	1.45	1.51
14	2	3036	CLA	C4D-ND	-2.94	1.33	1.37
14	B	3015	CLA	C4D-ND	-2.94	1.33	1.37
14	1	817	CLA	CHC-C1C	2.94	1.42	1.35
14	B	3037	CLA	C4D-ND	-2.94	1.33	1.37
14	B	3023	CLA	C4D-ND	-2.94	1.33	1.37
14	A	827	CLA	C1D-ND	2.93	1.41	1.37
14	A	815	CLA	C4D-ND	-2.93	1.33	1.37
14	a	816	CLA	CHC-C1C	2.93	1.42	1.35
14	1	815	CLA	C4D-ND	-2.93	1.33	1.37
14	2	3015	CLA	C4D-ND	-2.93	1.33	1.37
14	b	3022	CLA	CHC-C1C	2.93	1.42	1.35
14	L	205	CLA	CHC-C1C	2.93	1.42	1.35
14	2	3031	CLA	CHC-C1C	2.93	1.42	1.35
14	1	829	CLA	CHC-C1C	2.93	1.42	1.35
14	1	812	CLA	CHC-C1C	2.93	1.42	1.35
14	1	820	CLA	CMB-C2B	-2.93	1.45	1.51
14	1	207	CLA	C1D-ND	2.93	1.41	1.37
14	b	3010	CLA	CHC-C1C	2.93	1.42	1.35
14	A	824	CLA	CHC-C1C	2.93	1.42	1.35
14	1	840	CLA	CHC-C1C	2.92	1.42	1.35
14	2	3029	CLA	CHC-C1C	2.92	1.42	1.35
14	2	3028	CLA	C1D-ND	2.92	1.41	1.37
14	B	3029	CLA	CHC-C1C	2.92	1.42	1.35
14	b	3015	CLA	C4D-ND	-2.92	1.33	1.37
14	x	1701	CLA	C4D-ND	-2.92	1.33	1.37
14	A	817	CLA	CHC-C1C	2.92	1.42	1.35
14	B	3028	CLA	C1D-ND	2.92	1.41	1.37
14	A	820	CLA	CMB-C2B	-2.92	1.45	1.51
14	A	829	CLA	CHC-C1C	2.92	1.42	1.35
14	a	838	CLA	CMB-C2B	-2.92	1.45	1.51
14	2	3018	CLA	C4D-ND	-2.92	1.33	1.37
14	a	803	CLA	CHC-C1C	2.92	1.42	1.35
14	A	820	CLA	C4D-ND	-2.92	1.33	1.37
14	a	839	CLA	CHC-C1C	2.92	1.42	1.35
14	a	805	CLA	CMB-C2B	-2.92	1.45	1.51
14	2	3040	CLA	CHC-C1C	2.92	1.42	1.35
14	A	855	CLA	C4D-ND	-2.92	1.33	1.37
14	b	3028	CLA	C1D-ND	2.92	1.41	1.37
14	A	841	CLA	C4D-ND	-2.91	1.33	1.37
14	a	832	CLA	CHC-C1C	2.91	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3031	CLA	CHC-C1C	2.91	1.42	1.35
14	1	806	CLA	CMB-C2B	-2.91	1.45	1.51
14	k	101	CLA	C4D-ND	-2.91	1.33	1.37
14	B	3040	CLA	CHC-C1C	2.91	1.42	1.35
14	B	3041	CLA	CHC-C1C	2.91	1.42	1.35
14	1	807	CLA	CHC-C1C	2.91	1.42	1.35
14	B	3022	CLA	CHC-C1C	2.91	1.42	1.35
14	2	3009	CLA	CHC-C1C	2.91	1.42	1.35
14	2	3022	CLA	CHC-C1C	2.91	1.42	1.35
14	A	839	CLA	CMB-C2B	-2.91	1.45	1.51
14	a	828	CLA	CHC-C1C	2.90	1.42	1.35
14	9	101	CLA	C4D-ND	-2.90	1.33	1.37
14	A	807	CLA	CHC-C1C	2.90	1.42	1.35
14	b	3011	CLA	C1D-ND	2.90	1.41	1.37
14	2	3041	CLA	CHC-C1C	2.90	1.42	1.35
14	8	102	CLA	C4D-ND	-2.90	1.33	1.37
14	b	3041	CLA	CHC-C1C	2.90	1.42	1.35
14	2	3017	CLA	CHC-C1C	2.90	1.42	1.35
14	B	3009	CLA	CHC-C1C	2.90	1.42	1.35
14	B	3010	CLA	CHC-C1C	2.90	1.42	1.35
14	b	3009	CLA	CHC-C1C	2.90	1.42	1.35
14	b	3042	CLA	CMB-C2B	-2.90	1.45	1.51
14	A	833	CLA	CHC-C1C	2.90	1.42	1.35
14	B	3019	CLA	CHC-C1C	2.90	1.42	1.35
14	M	1601	CLA	C4D-ND	-2.90	1.33	1.37
14	B	3036	CLA	C4D-ND	-2.90	1.33	1.37
14	B	3042	CLA	CMB-C2B	-2.90	1.45	1.51
14	a	819	CLA	C4D-ND	-2.90	1.33	1.37
14	2	3019	CLA	CHC-C1C	2.90	1.42	1.35
14	b	3003	CLA	CHC-C1C	2.89	1.42	1.35
14	1	803	CLA	C3B-C2B	-2.89	1.36	1.40
14	B	3036	CLA	CMB-C2B	-2.89	1.45	1.51
14	1	832	CLA	CHC-C1C	2.89	1.42	1.35
14	B	3017	CLA	CHC-C1C	2.89	1.42	1.35
14	2	3042	CLA	CMB-C2B	-2.89	1.45	1.51
14	a	819	CLA	CMB-C2B	-2.89	1.45	1.51
14	l	208	CLA	CHC-C1C	2.89	1.42	1.35
14	1	830	CLA	CHC-C1C	2.89	1.42	1.35
14	a	840	CLA	C4D-ND	-2.89	1.33	1.37
14	2	3018	CLA	CHC-C1C	2.89	1.42	1.35
14	b	3017	CLA	CHC-C1C	2.88	1.42	1.35
14	J	102	CLA	C4D-ND	-2.88	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	833	CLA	CHC-C1C	2.88	1.42	1.35
14	A	806	CLA	CMB-C2B	-2.88	1.45	1.51
14	1	820	CLA	C4D-ND	-2.88	1.33	1.37
14	B	3003	CLA	CHC-C1C	2.88	1.42	1.35
16	J	103	BCR	C30-C25	-2.88	1.49	1.53
14	B	3018	CLA	CHC-C1C	2.88	1.42	1.35
14	b	3018	CLA	CMB-C2B	-2.88	1.45	1.51
14	0	209	CLA	CHC-C1C	2.88	1.42	1.35
14	2	3003	CLA	CHC-C1C	2.88	1.42	1.35
14	2	3042	CLA	C1D-ND	2.87	1.41	1.37
14	a	831	CLA	CHC-C1C	2.87	1.42	1.35
14	2	3036	CLA	CMB-C2B	-2.87	1.45	1.51
14	a	829	CLA	CHC-C1C	2.87	1.42	1.35
14	B	3008	CLA	CHC-C1C	2.87	1.42	1.35
14	a	818	CLA	CMB-C2B	-2.87	1.45	1.51
14	b	3036	CLA	CMB-C2B	-2.87	1.45	1.51
14	2	3010	CLA	CHC-C1C	2.87	1.42	1.35
14	b	3037	CLA	C4D-ND	-2.87	1.33	1.37
14	B	3018	CLA	CMB-C2B	-2.87	1.45	1.51
14	j	1103	CLA	C4D-ND	-2.86	1.33	1.37
14	A	830	CLA	CHC-C1C	2.86	1.42	1.35
14	b	3019	CLA	CHC-C1C	2.86	1.42	1.35
14	a	842	CLA	C1D-ND	2.86	1.41	1.37
14	A	832	CLA	CHC-C1C	2.86	1.42	1.35
16	A	849	BCR	C30-C25	-2.86	1.49	1.53
14	j	1102	CLA	C4D-ND	-2.86	1.33	1.37
14	a	840	CLA	CHC-C1C	2.86	1.42	1.35
14	A	802	CLA	C1D-ND	2.86	1.41	1.37
14	a	825	CLA	CHC-C1C	2.85	1.42	1.35
14	a	803	CLA	C3B-C2B	-2.85	1.36	1.40
14	A	819	CLA	CMB-C2B	-2.85	1.45	1.51
14	2	3003	CLA	C1D-ND	2.85	1.41	1.37
16	8	103	BCR	C30-C25	-2.85	1.49	1.53
14	a	806	CLA	CHC-C1C	2.85	1.42	1.35
14	8	101	CLA	C4D-ND	-2.85	1.33	1.37
14	b	3022	CLA	C4D-ND	-2.85	1.33	1.37
14	b	3038	CLA	CMB-C2B	-2.84	1.45	1.51
14	1	841	CLA	C4D-ND	-2.84	1.33	1.37
14	1	802	CLA	C1D-ND	2.84	1.41	1.37
14	A	838	CLA	CHC-C1C	2.84	1.42	1.35
14	A	843	CLA	C1D-ND	2.84	1.41	1.37
14	b	3018	CLA	CHC-C1C	2.84	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	838	CLA	CHC-C1C	2.84	1.42	1.35
14	a	837	CLA	CHC-C1C	2.84	1.42	1.35
14	A	826	CLA	CHC-C1C	2.84	1.42	1.35
14	2	3035	CLA	CHC-C1C	2.84	1.42	1.35
14	1	826	CLA	CHC-C1C	2.83	1.42	1.35
14	a	802	CLA	C1D-ND	2.83	1.41	1.37
14	b	3008	CLA	CHC-C1C	2.83	1.42	1.35
16	6	202	BCR	C1-C6	-2.83	1.49	1.53
14	b	3004	CLA	CHC-C1C	2.83	1.42	1.35
14	1	841	CLA	CHC-C1C	2.83	1.42	1.35
14	2	3008	CLA	CHC-C1C	2.83	1.42	1.35
14	2	3004	CLA	CMB-C2B	-2.83	1.45	1.51
14	A	841	CLA	CHC-C1C	2.83	1.42	1.35
14	B	3035	CLA	CHC-C1C	2.83	1.42	1.35
14	2	3022	CLA	C4D-ND	-2.83	1.33	1.37
14	b	3042	CLA	C1D-ND	2.83	1.41	1.37
16	1	209	BCR	C30-C25	-2.83	1.49	1.53
14	2	3038	CLA	CMB-C2B	-2.83	1.45	1.51
14	B	3004	CLA	CHC-C1C	2.83	1.42	1.35
16	0	210	BCR	C30-C25	-2.82	1.49	1.53
14	2	3018	CLA	CMB-C2B	-2.82	1.45	1.51
14	A	819	CLA	CHC-C1C	2.82	1.42	1.35
14	B	3016	CLA	CHC-C1C	2.82	1.42	1.35
14	A	843	CLA	CMD-C2D	-2.82	1.44	1.50
14	1	820	CLA	CHC-C1C	2.82	1.42	1.35
14	J	101	CLA	C4D-ND	-2.82	1.33	1.37
14	1	819	CLA	CMB-C2B	-2.82	1.45	1.51
14	b	3042	CLA	CHC-C1C	2.82	1.42	1.35
14	2	3037	CLA	C4D-ND	-2.82	1.33	1.37
14	A	822	CLA	CMB-C2B	-2.82	1.45	1.51
14	2	3016	CLA	CHC-C1C	2.82	1.42	1.35
14	1	819	CLA	CHC-C1C	2.81	1.42	1.35
14	a	842	CLA	CMD-C2D	-2.81	1.44	1.50
14	1	843	CLA	CMD-C2D	-2.81	1.44	1.50
14	b	3010	CLA	CMC-C2C	-2.81	1.44	1.50
14	b	3035	CLA	CHC-C1C	2.81	1.42	1.35
14	a	821	CLA	CMB-C2B	-2.81	1.45	1.51
16	a	848	BCR	C30-C25	-2.81	1.49	1.53
14	a	842	CLA	CHC-C1C	2.81	1.42	1.35
14	a	819	CLA	CHC-C1C	2.81	1.42	1.35
14	B	3003	CLA	C1D-ND	2.81	1.41	1.37
14	l	208	CLA	CMB-C2B	-2.81	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	803	CLA	C3B-C2B	-2.81	1.36	1.40
14	A	820	CLA	CHC-C1C	2.81	1.42	1.35
14	1	822	CLA	CMB-C2B	-2.80	1.45	1.51
14	1	843	CLA	CHC-C1C	2.80	1.42	1.35
14	a	818	CLA	CHC-C1C	2.80	1.42	1.35
14	2	3004	CLA	CHC-C1C	2.80	1.42	1.35
16	j	1104	BCR	C30-C25	-2.80	1.49	1.53
14	B	3022	CLA	C4D-ND	-2.80	1.33	1.37
14	1	831	CLA	C1D-ND	2.80	1.41	1.37
14	a	830	CLA	C1D-ND	2.80	1.41	1.37
14	A	843	CLA	CHC-C1C	2.80	1.42	1.35
14	1	835	CLA	CHC-C1C	2.80	1.42	1.35
16	F	202	BCR	C1-C6	-2.80	1.49	1.53
14	B	3038	CLA	CMB-C2B	-2.80	1.45	1.51
14	b	3016	CLA	CHC-C1C	2.79	1.42	1.35
14	B	3010	CLA	CMC-C2C	-2.79	1.44	1.50
14	2	3007	CLA	CHC-C1C	2.79	1.42	1.35
14	B	3004	CLA	CMB-C2B	-2.79	1.45	1.51
14	B	3042	CLA	C1D-ND	2.79	1.41	1.37
14	b	3007	CLA	CHC-C1C	2.78	1.42	1.35
14	a	834	CLA	CHC-C1C	2.78	1.42	1.35
14	A	836	CLA	CHC-C1C	2.78	1.42	1.35
14	b	3004	CLA	CMB-C2B	-2.78	1.45	1.51
14	A	831	CLA	C1D-ND	2.78	1.41	1.37
14	A	804	CLA	CHC-C1C	2.78	1.42	1.35
14	A	821	CLA	C4D-ND	-2.78	1.33	1.37
14	1	843	CLA	C1D-ND	2.78	1.41	1.37
14	b	3039	CLA	CMB-C2B	-2.78	1.45	1.51
14	2	3010	CLA	CMC-C2C	-2.78	1.44	1.50
14	B	3042	CLA	CHC-C1C	2.78	1.42	1.35
16	1	848	BCR	C30-C25	-2.78	1.49	1.53
14	0	209	CLA	CMB-C2B	-2.78	1.45	1.51
14	A	835	CLA	CHC-C1C	2.78	1.42	1.35
14	2	3042	CLA	CHC-C1C	2.78	1.42	1.35
14	B	3007	CLA	CHC-C1C	2.77	1.42	1.35
14	2	3039	CLA	CMB-C2B	-2.77	1.45	1.51
14	1	802	CLA	CMD-C2D	-2.77	1.44	1.50
16	f	202	BCR	C1-C6	-2.77	1.50	1.53
14	l	207	CLA	CHC-C1C	2.77	1.42	1.35
14	1	836	CLA	CHC-C1C	2.77	1.42	1.35
14	B	3039	CLA	CMB-C2B	-2.76	1.45	1.51
14	a	802	CLA	CMD-C2D	-2.76	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3035	CLA	CMB-C2B	-2.76	1.45	1.51
14	L	205	CLA	CMB-C2B	-2.76	1.45	1.51
14	2	3035	CLA	CMB-C2B	-2.76	1.45	1.51
14	j	1101	CLA	CHC-C1C	2.75	1.42	1.35
14	0	208	CLA	CMB-C2B	-2.75	1.45	1.51
16	I	102	BCR	C30-C25	-2.75	1.50	1.53
14	b	3029	CLA	CMD-C2D	-2.75	1.45	1.50
14	l	203	CLA	CHC-C1C	2.75	1.42	1.35
14	1	833	CLA	CMB-C2B	-2.75	1.45	1.51
14	1	804	CLA	CHC-C1C	2.75	1.42	1.35
14	A	826	CLA	CMB-C2B	-2.75	1.45	1.51
14	A	802	CLA	CMD-C2D	-2.75	1.45	1.50
14	B	3035	CLA	CMB-C2B	-2.74	1.45	1.51
14	b	3003	CLA	C1D-ND	2.74	1.41	1.37
14	b	3006	CLA	CMB-C2B	-2.74	1.45	1.51
14	a	820	CLA	C4D-ND	-2.74	1.33	1.37
14	B	3041	CLA	CMB-C2B	-2.74	1.45	1.51
14	2	3029	CLA	CMD-C2D	-2.74	1.45	1.50
14	L	201	CLA	CHC-C1C	2.74	1.42	1.35
14	B	3020	CLA	CMC-C2C	-2.74	1.45	1.50
14	1	821	CLA	C4D-ND	-2.74	1.33	1.37
14	a	825	CLA	CMB-C2B	-2.74	1.45	1.51
14	2	3006	CLA	CMB-C2B	-2.74	1.45	1.51
16	l	210	BCR	C30-C25	-2.74	1.50	1.53
14	B	3040	CLA	CMB-C2B	-2.74	1.45	1.51
14	a	835	CLA	CHC-C1C	2.74	1.42	1.35
14	b	3010	CLA	CMB-C2B	-2.74	1.45	1.51
14	1	829	CLA	CMB-C2B	-2.73	1.46	1.51
14	F	204	CLA	CHC-C1C	2.73	1.42	1.35
14	B	3010	CLA	CMB-C2B	-2.73	1.46	1.51
14	a	828	CLA	CMB-C2B	-2.73	1.46	1.51
14	a	830	CLA	CHC-C1C	2.73	1.42	1.35
14	B	3029	CLA	CMD-C2D	-2.73	1.45	1.50
14	b	3040	CLA	CMB-C2B	-2.73	1.46	1.51
14	0	208	CLA	CHC-C1C	2.73	1.42	1.35
14	2	3010	CLA	CMB-C2B	-2.72	1.46	1.51
14	A	831	CLA	CHC-C1C	2.72	1.41	1.35
14	L	204	CLA	CHC-C1C	2.72	1.41	1.35
14	1	831	CLA	CHC-C1C	2.72	1.41	1.35
14	l	207	CLA	CMB-C2B	-2.72	1.46	1.51
14	B	3036	CLA	CMD-C2D	-2.72	1.45	1.50
14	0	204	CLA	CHC-C1C	2.72	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	826	CLA	CMB-C2B	-2.72	1.46	1.51
14	2	3020	CLA	CMB-C2B	-2.72	1.46	1.51
14	b	3020	CLA	CMB-C2B	-2.71	1.46	1.51
14	2	3040	CLA	CMB-C2B	-2.71	1.46	1.51
14	B	3006	CLA	CMB-C2B	-2.71	1.46	1.51
14	2	3041	CLA	CMB-C2B	-2.71	1.46	1.51
14	b	3012	CLA	CHC-C1C	2.71	1.41	1.35
14	A	833	CLA	CMB-C2B	-2.71	1.46	1.51
14	A	804	CLA	CMB-C2B	-2.71	1.46	1.51
14	a	832	CLA	CMB-C2B	-2.71	1.46	1.51
14	b	3020	CLA	CMC-C2C	-2.70	1.45	1.50
14	f	204	CLA	CHC-C1C	2.70	1.41	1.35
14	b	3041	CLA	CMB-C2B	-2.70	1.46	1.51
14	L	204	CLA	CMB-C2B	-2.70	1.46	1.51
14	1	804	CLA	CMB-C2B	-2.70	1.46	1.51
14	A	803	CLA	CMC-C2C	-2.70	1.45	1.50
14	a	838	CLA	CHC-C1C	2.70	1.41	1.35
14	L	203	CLA	CMB-C2B	-2.70	1.46	1.51
20	2	3050	LMG	O1-C7	-2.70	1.38	1.43
20	B	3050	LMG	O1-C7	-2.69	1.38	1.43
14	A	837	CLA	CMB-C2B	-2.69	1.46	1.51
14	2	3003	CLA	CMC-C2C	-2.69	1.45	1.50
14	A	839	CLA	CHC-C1C	2.69	1.41	1.35
14	2	3020	CLA	CMC-C2C	-2.69	1.45	1.50
14	b	3019	CLA	CMB-C2B	-2.69	1.46	1.51
14	a	829	CLA	CMB-C2B	-2.69	1.46	1.51
14	a	840	CLA	CMB-C2B	-2.69	1.46	1.51
14	a	841	CLA	CMB-C2B	-2.69	1.46	1.51
14	B	3003	CLA	CMC-C2C	-2.69	1.45	1.50
14	A	842	CLA	CMB-C2B	-2.68	1.46	1.51
14	A	830	CLA	CMB-C2B	-2.68	1.46	1.51
14	a	836	CLA	CMB-C2B	-2.68	1.46	1.51
14	A	830	CLA	CMD-C2D	-2.68	1.45	1.50
14	j	1101	CLA	CMB-C2B	-2.68	1.46	1.51
14	b	3011	CLA	CHC-C1C	2.68	1.41	1.35
14	a	803	CLA	CMC-C2C	-2.68	1.45	1.50
14	a	829	CLA	CMD-C2D	-2.68	1.45	1.50
14	2	3012	CLA	CHC-C1C	2.68	1.41	1.35
14	B	3012	CLA	CHC-C1C	2.68	1.41	1.35
14	1	839	CLA	CHC-C1C	2.68	1.41	1.35
14	a	811	CLA	CMB-C2B	-2.68	1.46	1.51
14	0	207	CLA	CMB-C2B	-2.68	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3020	CLA	CMB-C2B	-2.68	1.46	1.51
14	2	3011	CLA	CHC-C1C	2.68	1.41	1.35
14	F	201	CLA	CMB-C2B	-2.68	1.46	1.51
14	2	3025	CLA	CMB-C2B	-2.67	1.46	1.51
14	2	3019	CLA	CMB-C2B	-2.67	1.46	1.51
14	f	201	CLA	CMB-C2B	-2.67	1.46	1.51
14	1	812	CLA	CMB-C2B	-2.67	1.46	1.51
14	b	3025	CLA	CMB-C2B	-2.67	1.46	1.51
14	6	204	CLA	CHC-C1C	2.67	1.41	1.35
14	a	816	CLA	CMB-C2B	-2.67	1.46	1.51
14	a	804	CLA	CMB-C2B	-2.67	1.46	1.51
14	B	3025	CLA	CMB-C2B	-2.67	1.46	1.51
14	b	3003	CLA	CMC-C2C	-2.67	1.45	1.50
14	b	3036	CLA	CMD-C2D	-2.67	1.45	1.50
16	0	211	BCR	C30-C25	-2.67	1.50	1.53
14	1	841	CLA	CMB-C2B	-2.67	1.46	1.51
14	A	805	CLA	CMB-C2B	-2.66	1.46	1.51
14	A	824	CLA	CMB-C2B	-2.66	1.46	1.51
14	B	3011	CLA	CHC-C1C	2.66	1.41	1.35
14	A	812	CLA	CMB-C2B	-2.66	1.46	1.51
14	a	823	CLA	CMB-C2B	-2.66	1.46	1.51
14	1	830	CLA	CMD-C2D	-2.66	1.45	1.50
14	2	3036	CLA	CMD-C2D	-2.66	1.45	1.50
14	A	829	CLA	CMB-C2B	-2.66	1.46	1.51
14	1	810	CLA	CMB-C2B	-2.66	1.46	1.51
14	1	803	CLA	CMC-C2C	-2.66	1.45	1.50
14	l	206	CLA	CMB-C2B	-2.66	1.46	1.51
14	B	3019	CLA	CMB-C2B	-2.66	1.46	1.51
14	a	809	CLA	CMB-C2B	-2.66	1.46	1.51
14	1	809	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	831	CLA	CMD-C2D	-2.65	1.45	1.50
14	1	835	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	843	CLA	CMC-C2C	-2.65	1.45	1.50
14	6	201	CLA	CMB-C2B	-2.65	1.46	1.51
14	1	842	CLA	CMB-C2B	-2.65	1.46	1.51
14	2	3008	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	817	CLA	CMB-C2B	-2.65	1.46	1.51
14	1	837	CLA	CMB-C2B	-2.65	1.46	1.51
14	1	824	CLA	CMB-C2B	-2.64	1.46	1.51
14	A	810	CLA	CMB-C2B	-2.64	1.46	1.51
14	B	3004	CLA	CMD-C2D	-2.64	1.45	1.50
14	B	3008	CLA	CMB-C2B	-2.64	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	843	CLA	CMC-C2C	-2.64	1.45	1.50
14	1	802	CLA	CMB-C2B	-2.64	1.46	1.51
16	L	206	BCR	C30-C25	-2.64	1.50	1.53
14	A	802	CLA	CMB-C2B	-2.64	1.46	1.51
14	b	3042	CLA	CMD-C2D	-2.64	1.45	1.50
14	a	826	CLA	CMB-C2B	-2.64	1.46	1.51
14	a	842	CLA	CMC-C2C	-2.64	1.45	1.50
14	1	827	CLA	CMB-C2B	-2.64	1.46	1.51
14	A	841	CLA	CMB-C2B	-2.63	1.46	1.51
14	B	3042	CLA	CMD-C2D	-2.63	1.45	1.50
14	2	3040	CLA	C3B-C2B	-2.63	1.36	1.40
14	1	830	CLA	CMB-C2B	-2.63	1.46	1.51
14	0	204	CLA	CMB-C2B	-2.63	1.46	1.51
14	2	3042	CLA	CMD-C2D	-2.63	1.45	1.50
14	b	3041	CLA	CMD-C2D	-2.63	1.45	1.50
14	A	827	CLA	CMB-C2B	-2.63	1.46	1.51
14	2	3004	CLA	CMD-C2D	-2.63	1.45	1.50
14	a	802	CLA	CMB-C2B	-2.63	1.46	1.51
14	B	3026	CLA	CMB-C2B	-2.63	1.46	1.51
14	b	3008	CLA	CMB-C2B	-2.63	1.46	1.51
14	B	3030	CLA	CMD-C2D	-2.62	1.45	1.50
14	2	3041	CLA	CMD-C2D	-2.62	1.45	1.50
14	l	203	CLA	CMB-C2B	-2.62	1.46	1.51
14	a	834	CLA	CMB-C2B	-2.62	1.46	1.51
14	1	817	CLA	CMB-C2B	-2.62	1.46	1.51
14	L	201	CLA	CMB-C2B	-2.62	1.46	1.51
14	A	835	CLA	CMB-C2B	-2.62	1.46	1.51
14	1	805	CLA	CMB-C2B	-2.62	1.46	1.51
14	1	831	CLA	CMD-C2D	-2.62	1.45	1.50
14	b	3034	CLA	CMB-C2B	-2.62	1.46	1.51
20	b	3050	LMG	O1-C7	-2.62	1.39	1.43
14	a	808	CLA	CMB-C2B	-2.62	1.46	1.51
14	B	3041	CLA	CMD-C2D	-2.61	1.45	1.50
14	b	3004	CLA	CMD-C2D	-2.61	1.45	1.50
14	A	813	CLA	CMB-C2B	-2.61	1.46	1.51
14	a	827	CLA	CMB-C2B	-2.61	1.46	1.51
14	a	830	CLA	CMD-C2D	-2.61	1.45	1.50
14	1	828	CLA	CMB-C2B	-2.61	1.46	1.51
14	2	3030	CLA	CMD-C2D	-2.61	1.45	1.50
14	K	101	CLA	CMB-C2B	-2.61	1.46	1.51
14	1	838	CLA	CMB-C2B	-2.61	1.46	1.51
14	a	837	CLA	CMB-C2B	-2.61	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3026	CLA	CMB-C2B	-2.61	1.46	1.51
14	a	839	CLA	CMB-C2B	-2.60	1.46	1.51
14	B	3027	CLA	CMB-C2B	-2.60	1.46	1.51
14	A	809	CLA	CMB-C2B	-2.60	1.46	1.51
14	1	840	CLA	CMB-C2B	-2.60	1.46	1.51
14	b	3028	CLA	CMB-C2B	-2.60	1.46	1.51
14	1	813	CLA	CMB-C2B	-2.60	1.46	1.51
14	2	3028	CLA	CMB-C2B	-2.60	1.46	1.51
14	b	3026	CLA	CMB-C2B	-2.60	1.46	1.51
14	2	3032	CLA	CMB-C2B	-2.60	1.46	1.51
14	a	830	CLA	C3B-C2B	-2.60	1.36	1.40
14	A	828	CLA	CMB-C2B	-2.59	1.46	1.51
14	A	838	CLA	CMB-C2B	-2.59	1.46	1.51
14	b	3032	CLA	CMB-C2B	-2.59	1.46	1.51
14	b	3040	CLA	C3B-C2B	-2.59	1.36	1.40
14	B	3032	CLA	CMB-C2B	-2.59	1.46	1.51
14	9	101	CLA	CMB-C2B	-2.59	1.46	1.51
14	B	3034	CLA	CMB-C2B	-2.59	1.46	1.51
14	1	844	CLA	CMB-C2B	-2.59	1.46	1.51
14	2	3019	CLA	CMD-C2D	-2.58	1.45	1.50
14	1	806	CLA	CHC-C1C	2.58	1.41	1.35
14	A	831	CLA	C3B-C2B	-2.58	1.36	1.40
14	A	834	CLA	CMB-C2B	-2.58	1.46	1.51
14	2	3017	CLA	CMB-C2B	-2.58	1.46	1.51
14	A	842	CLA	CMD-C2D	-2.58	1.45	1.50
14	a	824	CLA	CMB-C2B	-2.58	1.46	1.51
14	a	812	CLA	CMB-C2B	-2.58	1.46	1.51
14	A	806	CLA	CHC-C1C	2.58	1.41	1.35
14	b	3003	CLA	CMB-C2B	-2.58	1.46	1.51
13	1	801	CL0	CHC-C1C	2.57	1.41	1.35
14	B	3017	CLA	CMB-C2B	-2.57	1.46	1.51
14	2	3033	CLA	CMB-C2B	-2.57	1.46	1.51
14	2	3034	CLA	CMB-C2B	-2.57	1.46	1.51
14	2	3005	CLA	CHC-C1C	2.57	1.41	1.35
14	B	3040	CLA	C3B-C2B	-2.57	1.36	1.40
14	a	843	CLA	CMB-C2B	-2.57	1.46	1.51
14	a	833	CLA	CMB-C2B	-2.57	1.46	1.51
14	b	3017	CLA	CMB-C2B	-2.57	1.46	1.51
14	b	3030	CLA	CMD-C2D	-2.57	1.45	1.50
14	A	840	CLA	CMB-C2B	-2.57	1.46	1.51
13	1	801	CL0	CMD-C2D	-2.57	1.45	1.50
14	b	3005	CLA	CHC-C1C	2.57	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	817	CLA	CMB-C2B	-2.57	1.46	1.51
14	2	3003	CLA	CMB-C2B	-2.57	1.46	1.51
14	B	3005	CLA	CHC-C1C	2.57	1.41	1.35
14	B	3033	CLA	CMB-C2B	-2.56	1.46	1.51
14	1	807	CLA	CMB-C2B	-2.56	1.46	1.51
14	a	805	CLA	CHC-C1C	2.56	1.41	1.35
14	1	842	CLA	CMD-C2D	-2.56	1.45	1.50
14	B	3042	CLA	C3B-C2B	-2.56	1.36	1.40
14	A	807	CLA	CMB-C2B	-2.56	1.46	1.51
14	1	834	CLA	CMB-C2B	-2.56	1.46	1.51
13	A	801	CL0	CHC-C1C	2.56	1.41	1.35
14	k	101	CLA	CMB-C2B	-2.56	1.46	1.51
13	a	801	CL0	CHC-C1C	2.56	1.41	1.35
14	B	3022	CLA	CMB-C2B	-2.55	1.46	1.51
14	B	3028	CLA	CMB-C2B	-2.55	1.46	1.51
14	1	825	CLA	CMB-C2B	-2.55	1.46	1.51
14	A	844	CLA	CMB-C2B	-2.55	1.46	1.51
14	b	3027	CLA	CMB-C2B	-2.55	1.46	1.51
14	b	3019	CLA	CMD-C2D	-2.55	1.45	1.50
14	1	831	CLA	C3B-C2B	-2.55	1.36	1.40
14	0	209	CLA	CMD-C2D	-2.55	1.45	1.50
14	2	3022	CLA	CMB-C2B	-2.55	1.46	1.51
14	B	3013	CLA	CMB-C2B	-2.55	1.46	1.51
14	l	208	CLA	CMD-C2D	-2.55	1.45	1.50
14	2	3027	CLA	CMB-C2B	-2.55	1.46	1.51
14	A	825	CLA	CMB-C2B	-2.55	1.46	1.51
14	B	3003	CLA	CMB-C2B	-2.55	1.46	1.51
14	b	3005	CLA	CMB-C2B	-2.55	1.46	1.51
14	b	3033	CLA	CMB-C2B	-2.54	1.46	1.51
14	B	3019	CLA	CMD-C2D	-2.54	1.45	1.50
14	l	207	CLA	CMD-C2D	-2.54	1.45	1.50
14	6	203	CLA	CMB-C2B	-2.54	1.46	1.51
14	a	813	CLA	CMB-C2B	-2.54	1.46	1.51
14	b	3013	CLA	CMB-C2B	-2.54	1.46	1.51
14	a	810	CLA	CMB-C2B	-2.54	1.46	1.51
20	b	3050	LMG	O7-C8	-2.54	1.40	1.46
14	L	205	CLA	CMD-C2D	-2.54	1.45	1.50
14	a	841	CLA	CMD-C2D	-2.53	1.45	1.50
13	a	801	CL0	CMD-C2D	-2.53	1.45	1.50
14	B	3015	CLA	CMB-C2B	-2.53	1.46	1.51
14	1	814	CLA	CMB-C2B	-2.53	1.46	1.51
14	b	3022	CLA	CMB-C2B	-2.53	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3006	CLA	CMD-C2D	-2.53	1.45	1.50
14	0	203	CLA	CMB-C2B	-2.53	1.46	1.51
14	2	3014	CLA	CMB-C2B	-2.53	1.46	1.51
14	B	3024	CLA	CMB-C2B	-2.53	1.46	1.51
14	2	3024	CLA	CMB-C2B	-2.52	1.46	1.51
14	b	3014	CLA	CMB-C2B	-2.52	1.46	1.51
14	1	818	CLA	CMB-C2B	-2.52	1.46	1.51
14	B	3005	CLA	CMB-C2B	-2.52	1.46	1.51
14	A	832	CLA	C3B-C2B	-2.52	1.36	1.40
14	a	806	CLA	CMB-C2B	-2.52	1.46	1.51
14	A	818	CLA	CMB-C2B	-2.52	1.46	1.51
14	B	3014	CLA	CMB-C2B	-2.52	1.46	1.51
14	A	811	CLA	CMB-C2B	-2.52	1.46	1.51
13	A	801	CL0	CMD-C2D	-2.52	1.45	1.50
14	2	3042	CLA	C3B-C2B	-2.52	1.36	1.40
14	0	208	CLA	CMD-C2D	-2.52	1.45	1.50
14	f	203	CLA	CMB-C2B	-2.52	1.46	1.51
14	2	3015	CLA	CMB-C2B	-2.52	1.46	1.51
20	B	3050	LMG	O7-C8	-2.52	1.40	1.46
14	2	3005	CLA	CMB-C2B	-2.51	1.46	1.51
14	a	818	CLA	CMC-C2C	-2.51	1.45	1.50
14	1	840	CLA	CMD-C2D	-2.51	1.45	1.50
20	2	3050	LMG	O7-C8	-2.51	1.40	1.46
14	2	3013	CLA	CMB-C2B	-2.51	1.46	1.51
14	2	3015	CLA	CMD-C2D	-2.51	1.45	1.50
14	M	1601	CLA	CMB-C2B	-2.51	1.46	1.51
14	1	819	CLA	CMC-C2C	-2.51	1.45	1.50
14	b	3006	CLA	CMD-C2D	-2.50	1.45	1.50
14	A	855	CLA	CMB-C2B	-2.50	1.46	1.51
14	A	814	CLA	CMB-C2B	-2.50	1.46	1.51
14	1	811	CLA	CMB-C2B	-2.50	1.46	1.51
14	B	3009	CLA	CMB-C2B	-2.50	1.46	1.51
14	L	204	CLA	CMD-C2D	-2.50	1.45	1.50
14	F	203	CLA	CMB-C2B	-2.49	1.46	1.51
14	b	3024	CLA	CMB-C2B	-2.49	1.46	1.51
14	b	3009	CLA	CMD-C2D	-2.49	1.45	1.50
14	2	3009	CLA	CMD-C2D	-2.49	1.45	1.50
14	2	3006	CLA	CMD-C2D	-2.49	1.45	1.50
14	B	3009	CLA	CMD-C2D	-2.49	1.45	1.50
14	2	3009	CLA	CMB-C2B	-2.49	1.46	1.51
14	B	3015	CLA	CMD-C2D	-2.49	1.45	1.50
14	1	815	CLA	CMB-C2B	-2.49	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3030	CLA	CHC-C1C	2.48	1.41	1.35
14	A	840	CLA	CMD-C2D	-2.48	1.45	1.50
14	b	3015	CLA	CMB-C2B	-2.48	1.46	1.51
14	1	832	CLA	C3B-C2B	-2.48	1.36	1.40
14	B	3030	CLA	CHC-C1C	2.48	1.41	1.35
14	2	3030	CLA	CHC-C1C	2.48	1.41	1.35
14	A	819	CLA	CMC-C2C	-2.47	1.45	1.50
14	a	831	CLA	C3B-C2B	-2.47	1.36	1.40
14	b	3042	CLA	C3B-C2B	-2.47	1.36	1.40
14	A	815	CLA	CMB-C2B	-2.47	1.46	1.51
14	B	3016	CLA	CMB-C2B	-2.47	1.46	1.51
14	b	3015	CLA	CMD-C2D	-2.47	1.45	1.50
14	a	803	CLA	CMD-C2D	-2.46	1.45	1.50
14	1	829	CLA	CMD-C2D	-2.46	1.45	1.50
14	2	3021	CLA	CMB-C2B	-2.46	1.46	1.51
14	b	3009	CLA	CMB-C2B	-2.46	1.46	1.51
14	A	810	CLA	CMD-C2D	-2.46	1.45	1.50
14	b	3011	CLA	CMD-C2D	-2.46	1.45	1.50
14	A	829	CLA	CMD-C2D	-2.46	1.45	1.50
14	0	204	CLA	CMD-C2D	-2.45	1.45	1.50
14	B	3021	CLA	CMB-C2B	-2.45	1.46	1.51
14	a	814	CLA	CMB-C2B	-2.45	1.46	1.51
14	B	3011	CLA	CMD-C2D	-2.45	1.45	1.50
14	b	3026	CLA	CMC-C2C	-2.45	1.45	1.50
14	b	3021	CLA	CMB-C2B	-2.45	1.46	1.51
14	b	3027	CLA	CMD-C2D	-2.45	1.45	1.50
14	a	838	CLA	C3B-CAB	-2.45	1.42	1.47
14	a	839	CLA	CMD-C2D	-2.45	1.45	1.50
14	b	3016	CLA	CMB-C2B	-2.45	1.46	1.51
14	a	809	CLA	CMD-C2D	-2.45	1.45	1.50
14	A	841	CLA	CMD-C2D	-2.45	1.45	1.50
14	B	3026	CLA	CMC-C2C	-2.45	1.45	1.50
14	A	843	CLA	C3B-C2B	-2.44	1.37	1.40
14	1	841	CLA	CMD-C2D	-2.44	1.45	1.50
14	B	3003	CLA	CMD-C2D	-2.44	1.45	1.50
14	a	840	CLA	CMD-C2D	-2.44	1.45	1.50
14	A	803	CLA	CMD-C2D	-2.44	1.45	1.50
14	2	3011	CLA	CMC-C2C	-2.44	1.45	1.50
14	2	3011	CLA	CMD-C2D	-2.44	1.45	1.50
14	a	842	CLA	C3B-C2B	-2.44	1.37	1.40
14	1	803	CLA	CMD-C2D	-2.44	1.45	1.50
14	L	201	CLA	CMD-C2D	-2.44	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	x	1701	CLA	CMB-C2B	-2.44	1.46	1.51
14	1	839	CLA	C3B-CAB	-2.43	1.43	1.47
14	1	843	CLA	C3B-C2B	-2.43	1.37	1.40
14	B	3008	CLA	CMC-C2C	-2.43	1.45	1.50
14	1	832	CLA	CMD-C2D	-2.43	1.45	1.50
14	A	807	CLA	CMD-C2D	-2.43	1.45	1.50
14	a	835	CLA	C3B-C2B	-2.43	1.37	1.40
14	b	3003	CLA	CMD-C2D	-2.43	1.45	1.50
14	l	203	CLA	CMD-C2D	-2.43	1.45	1.50
14	A	839	CLA	C3B-C2B	-2.43	1.37	1.40
14	0	207	CLA	CMD-C2D	-2.43	1.45	1.50
17	A	854	LHG	O7-C5	-2.43	1.40	1.46
17	a	853	LHG	O7-C5	-2.43	1.40	1.46
14	a	831	CLA	CMD-C2D	-2.43	1.45	1.50
14	1	836	CLA	C3B-C2B	-2.43	1.37	1.40
14	a	828	CLA	CMD-C2D	-2.42	1.45	1.50
14	b	3034	CLA	CMD-C2D	-2.42	1.45	1.50
14	a	831	CLA	CMC-C2C	-2.42	1.45	1.50
17	1	853	LHG	O7-C5	-2.42	1.40	1.46
14	b	3011	CLA	CMC-C2C	-2.42	1.45	1.50
14	b	3037	CLA	CMB-C2B	-2.42	1.46	1.51
14	b	3008	CLA	CMC-C2C	-2.42	1.45	1.50
14	A	832	CLA	CMD-C2D	-2.42	1.45	1.50
14	B	3023	CLA	CMB-C2B	-2.42	1.46	1.51
14	2	3016	CLA	CMB-C2B	-2.42	1.46	1.51
14	B	3027	CLA	CMD-C2D	-2.42	1.45	1.50
14	B	3011	CLA	CMC-C2C	-2.41	1.45	1.50
14	1	832	CLA	CMC-C2C	-2.41	1.45	1.50
14	B	3040	CLA	CMD-C2D	-2.41	1.45	1.50
14	2	3003	CLA	CMD-C2D	-2.41	1.45	1.50
14	f	204	CLA	CMB-C2B	-2.41	1.46	1.51
14	l	203	CLA	CMC-C2C	-2.41	1.45	1.50
14	b	3038	CLA	CMC-C2C	-2.41	1.45	1.50
14	a	839	CLA	C3B-C2B	-2.41	1.37	1.40
14	B	3038	CLA	CMC-C2C	-2.41	1.45	1.50
14	6	204	CLA	CMB-C2B	-2.41	1.46	1.51
14	2	3004	CLA	CMC-C2C	-2.41	1.45	1.50
14	j	1102	CLA	CMB-C2B	-2.41	1.46	1.51
14	2	3034	CLA	CMD-C2D	-2.41	1.45	1.50
14	F	204	CLA	CMB-C2B	-2.41	1.46	1.51
14	a	832	CLA	CMD-C2D	-2.40	1.45	1.50
14	l	206	CLA	CMD-C2D	-2.40	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	1701	CLA	CMB-C2B	-2.40	1.46	1.51
14	L	201	CLA	CMC-C2C	-2.40	1.45	1.50
14	L	203	CLA	CMD-C2D	-2.40	1.45	1.50
14	1	807	CLA	CMD-C2D	-2.40	1.45	1.50
14	2	3026	CLA	CMC-C2C	-2.40	1.45	1.50
14	b	3023	CLA	CMB-C2B	-2.40	1.46	1.51
14	b	3040	CLA	CMD-C2D	-2.40	1.45	1.50
14	a	828	CLA	CMC-C2C	-2.40	1.45	1.50
14	B	3034	CLA	CMD-C2D	-2.40	1.45	1.50
14	1	829	CLA	CMC-C2C	-2.40	1.45	1.50
14	B	3006	CLA	CMC-C2C	-2.40	1.45	1.50
14	z	1701	CLA	CMB-C2B	-2.40	1.46	1.51
14	a	822	CLA	CMB-C2B	-2.40	1.46	1.51
14	b	3004	CLA	CMC-C2C	-2.40	1.45	1.50
14	1	810	CLA	CMD-C2D	-2.40	1.45	1.50
14	j	1103	CLA	CMB-C2B	-2.40	1.46	1.51
14	2	3008	CLA	CMC-C2C	-2.39	1.45	1.50
14	J	101	CLA	CMB-C2B	-2.39	1.46	1.51
14	8	101	CLA	CMB-C2B	-2.39	1.46	1.51
14	2	3023	CLA	CMB-C2B	-2.39	1.46	1.51
14	2	3007	CLA	CMD-C2D	-2.39	1.45	1.50
14	K	102	CLA	CMB-C2B	-2.39	1.46	1.51
14	B	3004	CLA	CMC-C2C	-2.39	1.45	1.50
14	a	806	CLA	CMD-C2D	-2.39	1.45	1.50
14	2	3040	CLA	CMD-C2D	-2.39	1.45	1.50
14	0	204	CLA	CMC-C2C	-2.39	1.45	1.50
14	k	102	CLA	CMB-C2B	-2.39	1.46	1.51
14	A	833	CLA	CMD-C2D	-2.39	1.45	1.50
14	A	823	CLA	CMB-C2B	-2.39	1.46	1.51
14	2	3027	CLA	CMD-C2D	-2.39	1.45	1.50
14	A	818	CLA	CMD-C2D	-2.39	1.45	1.50
14	A	839	CLA	C3B-CAB	-2.39	1.43	1.47
14	A	829	CLA	CMC-C2C	-2.39	1.45	1.50
14	A	832	CLA	CMC-C2C	-2.39	1.45	1.50
14	2	3038	CLA	CMC-C2C	-2.39	1.45	1.50
14	a	831	CLA	C3B-CAB	-2.38	1.43	1.47
14	1	833	CLA	CMD-C2D	-2.38	1.45	1.50
14	B	3037	CLA	CMB-C2B	-2.38	1.46	1.51
14	1	826	CLA	CMD-C2D	-2.38	1.45	1.50
14	L	204	CLA	C3B-CAB	-2.38	1.43	1.47
14	2	3029	CLA	C3B-C2B	-2.38	1.37	1.40
14	a	817	CLA	CMD-C2D	-2.38	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	3038	CLA	C3B-C2B	-2.38	1.37	1.40
14	B	3029	CLA	C3B-C2B	-2.37	1.37	1.40
14	2	3037	CLA	CMB-C2B	-2.37	1.46	1.51
14	B	3038	CLA	C3B-C2B	-2.37	1.37	1.40
20	2	3050	LMG	O6-C5	-2.37	1.38	1.44
14	b	3020	CLA	CMD-C2D	-2.37	1.45	1.50
14	J	102	CLA	CMB-C2B	-2.37	1.46	1.51
14	M	1601	CLA	CMD-C2D	-2.36	1.45	1.50
14	B	3014	CLA	CMC-C2C	-2.36	1.45	1.50
14	A	836	CLA	C3B-C2B	-2.36	1.37	1.40
14	b	3029	CLA	C3B-C2B	-2.36	1.37	1.40
14	B	3007	CLA	CMD-C2D	-2.36	1.45	1.50
14	b	3038	CLA	C3B-C2B	-2.36	1.37	1.40
14	a	825	CLA	CMD-C2D	-2.36	1.45	1.50
14	A	826	CLA	CMD-C2D	-2.36	1.45	1.50
20	b	3050	LMG	O6-C5	-2.36	1.38	1.44
14	2	3006	CLA	CMC-C2C	-2.36	1.45	1.50
14	A	832	CLA	C3B-CAB	-2.36	1.43	1.47
14	l	207	CLA	C3B-CAB	-2.36	1.43	1.47
14	A	840	CLA	C3B-C2B	-2.36	1.37	1.40
14	a	838	CLA	C3B-C2B	-2.36	1.37	1.40
20	B	3050	LMG	O6-C5	-2.36	1.38	1.44
14	b	3006	CLA	CMC-C2C	-2.36	1.45	1.50
16	B	3052	BCR	C33-C5	-2.35	1.47	1.50
14	1	839	CLA	C3B-C2B	-2.35	1.37	1.40
14	1	823	CLA	CMB-C2B	-2.35	1.46	1.51
14	0	208	CLA	C3B-CAB	-2.35	1.43	1.47
16	0	205	BCR	C33-C5	-2.35	1.47	1.50
14	8	102	CLA	CMB-C2B	-2.35	1.46	1.51
14	0	203	CLA	CMD-C2D	-2.35	1.45	1.50
14	b	3014	CLA	CMC-C2C	-2.35	1.45	1.50
16	l	204	BCR	C33-C5	-2.35	1.47	1.50
14	L	204	CLA	C3B-C2B	-2.35	1.37	1.40
14	B	3020	CLA	CMD-C2D	-2.34	1.45	1.50
14	A	809	CLA	CMD-C2D	-2.34	1.45	1.50
14	9	103	CLA	CMB-C2B	-2.34	1.46	1.51
14	1	832	CLA	C3B-CAB	-2.34	1.43	1.47
14	A	855	CLA	CMD-C2D	-2.34	1.45	1.50
17	A	853	LHG	O8-C6	-2.34	1.39	1.45
14	1	818	CLA	CMD-C2D	-2.34	1.45	1.50
17	a	852	LHG	O8-C6	-2.34	1.39	1.45
14	2	3007	CLA	CMC-C2C	-2.34	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3007	CLA	CMC-C2C	-2.34	1.45	1.50
14	a	812	CLA	CMD-C2D	-2.33	1.45	1.50
14	b	3007	CLA	CMC-C2C	-2.33	1.45	1.50
14	a	841	CLA	CMC-C2C	-2.33	1.45	1.50
14	a	807	CLA	CMB-C2B	-2.33	1.46	1.51
14	1	808	CLA	CMB-C2B	-2.33	1.46	1.51
14	A	813	CLA	CMD-C2D	-2.33	1.45	1.50
14	2	3004	CLA	C3B-CAB	-2.33	1.43	1.47
14	b	3038	CLA	CMD-C2D	-2.33	1.45	1.50
14	b	3007	CLA	CMD-C2D	-2.32	1.45	1.50
14	1	840	CLA	C3B-C2B	-2.32	1.37	1.40
14	1	842	CLA	CMC-C2C	-2.32	1.45	1.50
14	B	3004	CLA	C3B-CAB	-2.32	1.43	1.47
14	2	3020	CLA	CMD-C2D	-2.32	1.45	1.50
14	A	820	CLA	CMD-C2D	-2.32	1.45	1.50
14	a	834	CLA	C3B-C2B	-2.32	1.37	1.40
14	2	3038	CLA	CMD-C2D	-2.32	1.45	1.50
14	a	838	CLA	CMC-C2C	-2.32	1.45	1.50
14	B	3008	CLA	CMD-C2D	-2.31	1.45	1.50
14	A	835	CLA	C3B-C2B	-2.31	1.37	1.40
14	A	839	CLA	CMC-C2C	-2.31	1.45	1.50
14	b	3032	CLA	CMD-C2D	-2.31	1.45	1.50
14	2	3032	CLA	CMD-C2D	-2.31	1.45	1.50
17	1	852	LHG	O8-C6	-2.31	1.39	1.45
14	A	816	CLA	CMB-C2B	-2.31	1.46	1.51
14	9	101	CLA	CMD-C2D	-2.31	1.45	1.50
14	1	813	CLA	CMD-C2D	-2.31	1.45	1.50
14	K	101	CLA	CMD-C2D	-2.31	1.45	1.50
14	B	3032	CLA	CMD-C2D	-2.31	1.45	1.50
14	a	819	CLA	CMD-C2D	-2.31	1.45	1.50
14	1	838	CLA	CMD-C2D	-2.31	1.45	1.50
14	2	3014	CLA	CMC-C2C	-2.31	1.45	1.50
14	1	840	CLA	C3B-CAB	-2.31	1.43	1.47
14	A	806	CLA	CMD-C2D	-2.31	1.45	1.50
16	2	3049	BCR	C38-C26	-2.31	1.47	1.50
14	1	820	CLA	CMD-C2D	-2.31	1.45	1.50
14	b	3004	CLA	C3B-CAB	-2.30	1.43	1.47
14	B	3027	CLA	CMC-C2C	-2.30	1.45	1.50
14	b	3012	CLA	CMC-C2C	-2.30	1.45	1.50
14	l	207	CLA	C3B-C2B	-2.30	1.37	1.40
14	1	839	CLA	CMC-C2C	-2.30	1.45	1.50
14	a	839	CLA	C3B-CAB	-2.30	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3014	CLA	CMD-C2D	-2.30	1.45	1.50
14	b	3018	CLA	C3B-C2B	-2.30	1.37	1.40
14	a	837	CLA	CMD-C2D	-2.30	1.45	1.50
14	b	3008	CLA	CMD-C2D	-2.30	1.45	1.50
14	a	826	CLA	CMD-C2D	-2.30	1.45	1.50
14	a	833	CLA	CMD-C2D	-2.30	1.45	1.50
14	A	834	CLA	CMD-C2D	-2.30	1.45	1.50
14	b	3014	CLA	CMD-C2D	-2.30	1.45	1.50
14	B	3010	CLA	C3B-C2B	-2.30	1.37	1.40
14	a	805	CLA	CMD-C2D	-2.30	1.45	1.50
14	1	825	CLA	CMD-C2D	-2.30	1.45	1.50
14	B	3026	CLA	CMD-C2D	-2.30	1.45	1.50
14	F	203	CLA	CMD-C2D	-2.30	1.45	1.50
14	1	802	CLA	CMC-C2C	-2.30	1.45	1.50
14	2	3018	CLA	C3B-C2B	-2.29	1.37	1.40
14	a	802	CLA	CMC-C2C	-2.29	1.45	1.50
14	a	835	CLA	CMC-C2C	-2.29	1.45	1.50
14	A	842	CLA	CMC-C2C	-2.29	1.45	1.50
14	k	101	CLA	CMD-C2D	-2.29	1.45	1.50
14	B	3029	CLA	C3B-CAB	-2.29	1.43	1.47
14	1	835	CLA	C3B-C2B	-2.29	1.37	1.40
14	2	3010	CLA	C3B-C2B	-2.29	1.37	1.40
14	a	824	CLA	CMD-C2D	-2.29	1.45	1.50
14	2	3008	CLA	CMD-C2D	-2.29	1.45	1.50
14	1	208	CLA	CMC-C2C	-2.29	1.45	1.50
14	2	3033	CLA	CMD-C2D	-2.29	1.45	1.50
14	1	816	CLA	CMB-C2B	-2.29	1.46	1.51
14	b	3034	CLA	CMC-C2C	-2.29	1.45	1.50
14	A	808	CLA	CMB-C2B	-2.29	1.46	1.51
14	1	812	CLA	CMD-C2D	-2.29	1.45	1.50
14	1	827	CLA	CMD-C2D	-2.29	1.45	1.50
14	6	203	CLA	CMD-C2D	-2.29	1.45	1.50
14	A	827	CLA	CMD-C2D	-2.29	1.46	1.50
14	2	3035	CLA	CMD-C2D	-2.29	1.46	1.50
14	A	806	CLA	CMC-C2C	-2.29	1.46	1.50
14	A	838	CLA	CMD-C2D	-2.29	1.46	1.50
14	a	808	CLA	CMD-C2D	-2.29	1.46	1.50
14	1	806	CLA	CMD-C2D	-2.29	1.46	1.50
14	1	809	CLA	CMD-C2D	-2.28	1.46	1.50
14	B	3012	CLA	CMC-C2C	-2.28	1.46	1.50
14	1	834	CLA	CMD-C2D	-2.28	1.46	1.50
14	2	3012	CLA	CMC-C2C	-2.28	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3033	CLA	CMD-C2D	-2.28	1.46	1.50
14	a	815	CLA	CMB-C2B	-2.28	1.46	1.51
14	0	209	CLA	CMC-C2C	-2.28	1.46	1.50
14	a	838	CLA	CMD-C2D	-2.28	1.46	1.50
14	1	805	CLA	CMD-C2D	-2.28	1.46	1.50
14	B	3005	CLA	CMD-C2D	-2.28	1.46	1.50
14	L	204	CLA	CMC-C2C	-2.28	1.46	1.50
14	2	3026	CLA	CMD-C2D	-2.28	1.46	1.50
14	A	840	CLA	C3B-CAB	-2.28	1.43	1.47
14	A	825	CLA	CMD-C2D	-2.28	1.46	1.50
14	B	3031	CLA	C3B-CAB	-2.28	1.43	1.47
14	A	828	CLA	CMC-C2C	-2.28	1.46	1.50
14	B	3038	CLA	CMD-C2D	-2.28	1.46	1.50
14	a	827	CLA	CMC-C2C	-2.28	1.46	1.50
14	a	811	CLA	CMD-C2D	-2.27	1.46	1.50
14	L	205	CLA	CMC-C2C	-2.27	1.46	1.50
14	A	839	CLA	CMD-C2D	-2.27	1.46	1.50
16	B	3049	BCR	C38-C26	-2.27	1.47	1.50
14	2	3034	CLA	CMC-C2C	-2.27	1.46	1.50
14	B	3035	CLA	CMD-C2D	-2.27	1.46	1.50
14	b	3026	CLA	CMD-C2D	-2.27	1.46	1.50
14	a	805	CLA	CMC-C2C	-2.27	1.46	1.50
14	b	3027	CLA	CMC-C2C	-2.27	1.46	1.50
14	b	3010	CLA	C3B-C2B	-2.27	1.37	1.40
14	2	3029	CLA	C3B-CAB	-2.27	1.43	1.47
14	b	3033	CLA	CMD-C2D	-2.27	1.46	1.50
14	F	201	CLA	CMD-C2D	-2.27	1.46	1.50
14	b	3035	CLA	CMD-C2D	-2.27	1.46	1.50
14	2	3027	CLA	CMC-C2C	-2.27	1.46	1.50
14	l	207	CLA	CMC-C2C	-2.26	1.46	1.50
16	b	3049	BCR	C38-C26	-2.26	1.47	1.50
14	A	835	CLA	CMD-C2D	-2.26	1.46	1.50
14	1	806	CLA	CMC-C2C	-2.26	1.46	1.50
14	a	834	CLA	CMD-C2D	-2.26	1.46	1.50
14	1	828	CLA	CMC-C2C	-2.26	1.46	1.50
14	2	3025	CLA	CMD-C2D	-2.26	1.46	1.50
14	b	3033	CLA	C3B-C2B	-2.26	1.37	1.40
16	a	849	BCR	C38-C26	-2.26	1.47	1.50
14	2	3014	CLA	CMD-C2D	-2.26	1.46	1.50
14	A	836	CLA	CMC-C2C	-2.26	1.46	1.50
14	f	203	CLA	CMD-C2D	-2.26	1.46	1.50
14	0	208	CLA	C3B-C2B	-2.26	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3025	CLA	CMD-C2D	-2.26	1.46	1.50
14	b	3029	CLA	C3B-CAB	-2.26	1.43	1.47
14	B	3034	CLA	CMC-C2C	-2.25	1.46	1.50
13	1	801	CL0	CMC-C2C	-2.25	1.46	1.50
14	f	201	CLA	CMD-C2D	-2.25	1.46	1.50
14	1	836	CLA	CMC-C2C	-2.25	1.46	1.50
14	2	3031	CLA	C3B-CAB	-2.25	1.43	1.47
14	A	812	CLA	CMD-C2D	-2.25	1.46	1.50
14	B	3016	CLA	CMD-C2D	-2.25	1.46	1.50
14	0	208	CLA	CMC-C2C	-2.25	1.46	1.50
14	b	3005	CLA	CMD-C2D	-2.25	1.46	1.50
14	A	823	CLA	CMD-C2D	-2.25	1.46	1.50
14	a	804	CLA	CMD-C2D	-2.24	1.46	1.50
14	b	3025	CLA	CMC-C2C	-2.24	1.46	1.50
14	1	835	CLA	CMD-C2D	-2.24	1.46	1.50
14	1	839	CLA	CMD-C2D	-2.24	1.46	1.50
14	6	201	CLA	CMD-C2D	-2.24	1.46	1.50
14	b	3031	CLA	C3B-CAB	-2.24	1.43	1.47
14	b	3039	CLA	CMD-C2D	-2.24	1.46	1.50
14	A	805	CLA	CMD-C2D	-2.24	1.46	1.50
14	F	203	CLA	CMC-C2C	-2.24	1.46	1.50
17	2	3051	LHG	O7-C5	-2.24	1.41	1.46
14	f	203	CLA	CMC-C2C	-2.24	1.46	1.50
14	2	3025	CLA	CMC-C2C	-2.24	1.46	1.50
14	a	820	CLA	CMD-C2D	-2.24	1.46	1.50
14	b	3041	CLA	CMC-C2C	-2.24	1.46	1.50
14	A	802	CLA	CMC-C2C	-2.24	1.46	1.50
14	8	102	CLA	CBD-CAD	2.24	1.56	1.51
14	a	821	CLA	CMD-C2D	-2.24	1.46	1.50
16	7	101	BCR	C38-C26	-2.24	1.47	1.50
14	2	3016	CLA	CMC-C2C	-2.24	1.46	1.50
14	b	3005	CLA	CMC-C2C	-2.24	1.46	1.50
14	2	3005	CLA	CMC-C2C	-2.24	1.46	1.50
14	A	814	CLA	CMD-C2D	-2.24	1.46	1.50
14	B	3018	CLA	C3B-C2B	-2.24	1.37	1.40
14	B	3025	CLA	CMC-C2C	-2.24	1.46	1.50
14	B	3009	CLA	CMC-C2C	-2.24	1.46	1.50
14	1	836	CLA	CMD-C2D	-2.24	1.46	1.50
16	B	3052	BCR	C38-C26	-2.24	1.47	1.50
14	1	824	CLA	CMC-C2C	-2.24	1.46	1.50
14	B	3013	CLA	C3B-CAB	-2.23	1.43	1.47
14	A	824	CLA	CMC-C2C	-2.23	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	823	CLA	CMD-C2D	-2.23	1.46	1.50
14	a	813	CLA	CMD-C2D	-2.23	1.46	1.50
14	a	823	CLA	CMC-C2C	-2.23	1.46	1.50
16	A	850	BCR	C38-C26	-2.23	1.47	1.50
14	b	3013	CLA	C3B-CAB	-2.23	1.43	1.47
14	b	3012	CLA	C3B-C2B	-2.23	1.37	1.40
14	A	822	CLA	CMD-C2D	-2.23	1.46	1.50
14	2	3016	CLA	CMD-C2D	-2.23	1.46	1.50
14	2	3028	CLA	CMD-C2D	-2.23	1.46	1.50
14	2	3033	CLA	C3B-C2B	-2.23	1.37	1.40
14	b	3016	CLA	CMD-C2D	-2.23	1.46	1.50
14	b	3016	CLA	CMC-C2C	-2.23	1.46	1.50
13	a	801	CL0	CMC-C2C	-2.23	1.46	1.50
14	A	809	CLA	CMC-C2C	-2.23	1.46	1.50
14	1	814	CLA	CMD-C2D	-2.23	1.46	1.50
14	b	3011	CLA	C3B-C2B	-2.22	1.37	1.40
14	6	203	CLA	CMC-C2C	-2.22	1.46	1.50
14	b	3009	CLA	CMC-C2C	-2.22	1.46	1.50
16	1	204	BCR	C38-C26	-2.22	1.47	1.50
16	1	849	BCR	C38-C26	-2.22	1.47	1.50
14	2	3028	CLA	C3B-C2B	-2.22	1.37	1.40
14	a	822	CLA	CMD-C2D	-2.22	1.46	1.50
14	2	3005	CLA	CMD-C2D	-2.22	1.46	1.50
14	2	3028	CLA	CMC-C2C	-2.22	1.46	1.50
13	A	801	CL0	CMC-C2C	-2.22	1.46	1.50
17	b	3051	LHG	O7-C5	-2.22	1.41	1.46
14	A	811	CLA	CMD-C2D	-2.22	1.46	1.50
14	B	3039	CLA	CMD-C2D	-2.22	1.46	1.50
16	i	101	BCR	C38-C26	-2.22	1.47	1.50
14	B	3012	CLA	C3B-C2B	-2.22	1.37	1.40
14	J	102	CLA	CBD-CAD	2.22	1.56	1.51
14	B	3030	CLA	CMC-C2C	-2.22	1.46	1.50
20	b	3050	LMG	O8-C9	-2.22	1.40	1.45
16	2	3046	BCR	C38-C26	-2.22	1.47	1.50
14	1	824	CLA	CMD-C2D	-2.22	1.46	1.50
14	A	835	CLA	C3B-CAB	-2.22	1.43	1.47
14	2	3041	CLA	C3B-C2B	-2.22	1.37	1.40
14	b	3028	CLA	C3B-C2B	-2.21	1.37	1.40
14	2	3041	CLA	CMC-C2C	-2.21	1.46	1.50
14	a	824	CLA	C3B-CAB	-2.21	1.43	1.47
14	b	3028	CLA	CMD-C2D	-2.21	1.46	1.50
14	B	3005	CLA	CMC-C2C	-2.21	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	3051	LHG	O7-C5	-2.21	1.41	1.46
20	2	3050	LMG	O8-C9	-2.21	1.40	1.45
14	2	3003	CLA	MG-ND	-2.21	2.01	2.05
14	1	835	CLA	CMC-C2C	-2.21	1.46	1.50
14	2	3039	CLA	CMD-C2D	-2.21	1.46	1.50
14	B	3041	CLA	CMC-C2C	-2.21	1.46	1.50
14	2	3013	CLA	C3B-CAB	-2.21	1.43	1.47
14	b	3025	CLA	CMD-C2D	-2.21	1.46	1.50
14	a	834	CLA	C3B-CAB	-2.21	1.43	1.47
14	L	203	CLA	CMC-C2C	-2.21	1.46	1.50
14	j	1103	CLA	CBD-CAD	2.21	1.56	1.51
14	2	3008	CLA	C3B-C2B	-2.21	1.37	1.40
14	1	809	CLA	CMC-C2C	-2.21	1.46	1.50
14	A	835	CLA	CMC-C2C	-2.21	1.46	1.50
14	A	824	CLA	CMD-C2D	-2.20	1.46	1.50
14	A	821	CLA	CMD-C2D	-2.20	1.46	1.50
14	A	836	CLA	CMD-C2D	-2.20	1.46	1.50
16	A	847	BCR	C38-C26	-2.20	1.47	1.50
14	l	206	CLA	CMC-C2C	-2.20	1.46	1.50
14	b	3031	CLA	CMC-C2C	-2.20	1.46	1.50
14	2	3030	CLA	CMC-C2C	-2.20	1.46	1.50
14	B	3031	CLA	CMC-C2C	-2.20	1.46	1.50
14	1	814	CLA	CMC-C2C	-2.20	1.46	1.50
14	a	830	CLA	CMC-C2C	-2.20	1.46	1.50
14	1	821	CLA	CMD-C2D	-2.20	1.46	1.50
14	1	831	CLA	MG-ND	-2.20	2.01	2.05
14	2	3031	CLA	CMC-C2C	-2.20	1.46	1.50
14	2	3013	CLA	CMD-C2D	-2.20	1.46	1.50
14	b	3031	CLA	CMD-C2D	-2.20	1.46	1.50
14	a	823	CLA	CMD-C2D	-2.20	1.46	1.50
16	I	101	BCR	C38-C26	-2.20	1.47	1.50
14	a	834	CLA	CMC-C2C	-2.20	1.46	1.50
14	1	841	CLA	CMC-C2C	-2.19	1.46	1.50
14	B	3031	CLA	CMD-C2D	-2.19	1.46	1.50
14	1	822	CLA	CMD-C2D	-2.19	1.46	1.50
14	B	3028	CLA	CMC-C2C	-2.19	1.46	1.50
14	1	833	CLA	CMC-C2C	-2.19	1.46	1.50
14	A	831	CLA	MG-ND	-2.19	2.01	2.05
14	B	3016	CLA	CMC-C2C	-2.19	1.46	1.50
14	1	822	CLA	CMC-C2C	-2.19	1.46	1.50
16	0	205	BCR	C38-C26	-2.19	1.47	1.50
14	B	3008	CLA	C3B-C2B	-2.19	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	835	CLA	C3B-CAB	-2.19	1.43	1.47
14	b	3013	CLA	CMD-C2D	-2.19	1.46	1.50
14	a	810	CLA	CMD-C2D	-2.19	1.46	1.50
14	b	3003	CLA	MG-ND	-2.19	2.01	2.05
14	b	3009	CLA	C3B-CAB	-2.19	1.43	1.47
14	1	811	CLA	C3B-C2B	-2.19	1.37	1.40
14	a	832	CLA	CMC-C2C	-2.19	1.46	1.50
14	B	3028	CLA	C3B-C2B	-2.19	1.37	1.40
14	a	810	CLA	C3B-C2B	-2.19	1.37	1.40
16	a	846	BCR	C38-C26	-2.19	1.47	1.50
14	A	825	CLA	C3B-CAB	-2.19	1.43	1.47
14	2	3009	CLA	C3B-CAB	-2.19	1.43	1.47
14	a	830	CLA	MG-ND	-2.19	2.01	2.05
14	a	840	CLA	CMC-C2C	-2.19	1.46	1.50
14	a	808	CLA	C3B-CAB	-2.19	1.43	1.47
14	2	3009	CLA	CMC-C2C	-2.18	1.46	1.50
14	1	831	CLA	CMC-C2C	-2.18	1.46	1.50
14	b	3030	CLA	CMC-C2C	-2.18	1.46	1.50
14	A	841	CLA	CMC-C2C	-2.18	1.46	1.50
14	B	3028	CLA	CMD-C2D	-2.18	1.46	1.50
14	B	3003	CLA	MG-ND	-2.18	2.01	2.05
14	2	3024	CLA	CMD-C2D	-2.18	1.46	1.50
16	a	847	BCR	C38-C26	-2.18	1.47	1.50
14	b	3028	CLA	CMC-C2C	-2.18	1.46	1.50
16	1	846	BCR	C38-C26	-2.18	1.47	1.50
14	2	3012	CLA	C3B-C2B	-2.18	1.37	1.40
20	B	3050	LMG	O8-C9	-2.18	1.40	1.45
14	2	3031	CLA	CMD-C2D	-2.18	1.46	1.50
14	B	3033	CLA	C3B-C2B	-2.18	1.37	1.40
14	b	3029	CLA	CMC-C2C	-2.18	1.46	1.50
14	A	810	CLA	CMC-C2C	-2.17	1.46	1.50
14	A	814	CLA	CMC-C2C	-2.17	1.46	1.50
14	B	3009	CLA	C3B-CAB	-2.17	1.43	1.47
14	0	207	CLA	CMC-C2C	-2.17	1.46	1.50
14	b	3008	CLA	C3B-C2B	-2.17	1.37	1.40
14	1	811	CLA	CMD-C2D	-2.17	1.46	1.50
14	A	806	CLA	C3B-C2B	-2.17	1.37	1.40
14	b	3026	CLA	C3B-CAB	-2.17	1.43	1.47
14	A	822	CLA	CMC-C2C	-2.17	1.46	1.50
14	B	3041	CLA	C3B-C2B	-2.17	1.37	1.40
14	1	810	CLA	CMC-C2C	-2.17	1.46	1.50
14	a	809	CLA	CMC-C2C	-2.17	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3024	CLA	CMD-C2D	-2.17	1.46	1.50
14	a	808	CLA	CMC-C2C	-2.17	1.46	1.50
14	a	835	CLA	CMD-C2D	-2.17	1.46	1.50
14	b	3024	CLA	CMD-C2D	-2.17	1.46	1.50
14	1	828	CLA	CMD-C2D	-2.17	1.46	1.50
16	l	210	BCR	C38-C26	-2.17	1.47	1.50
14	B	3029	CLA	CMC-C2C	-2.17	1.46	1.50
14	B	3011	CLA	C3B-C2B	-2.17	1.37	1.40
14	A	821	CLA	CMB-C2B	-2.17	1.47	1.51
14	a	807	CLA	CMC-C2C	-2.17	1.46	1.50
14	a	827	CLA	CMD-C2D	-2.16	1.46	1.50
14	2	3018	CLA	CMD-C2D	-2.16	1.46	1.50
14	1	812	CLA	CMC-C2C	-2.16	1.46	1.50
16	0	211	BCR	C38-C26	-2.16	1.47	1.50
14	1	821	CLA	CMB-C2B	-2.16	1.47	1.51
14	A	811	CLA	C3B-C2B	-2.16	1.37	1.40
14	2	3029	CLA	CMC-C2C	-2.16	1.46	1.50
14	1	833	CLA	MG-ND	-2.16	2.01	2.05
16	b	3046	BCR	C38-C26	-2.16	1.47	1.50
14	a	813	CLA	CMC-C2C	-2.16	1.46	1.50
14	b	3021	CLA	CMD-C2D	-2.16	1.46	1.50
17	L	207	LHG	O7-C5	-2.16	1.41	1.46
14	b	3041	CLA	C3B-C2B	-2.15	1.37	1.40
14	1	809	CLA	C3B-CAB	-2.15	1.43	1.47
14	B	3013	CLA	CMD-C2D	-2.15	1.46	1.50
14	2	3026	CLA	C3B-CAB	-2.15	1.43	1.47
14	2	3021	CLA	CMD-C2D	-2.15	1.46	1.50
14	1	834	CLA	CMC-C2C	-2.15	1.46	1.50
14	B	3018	CLA	CMD-C2D	-2.15	1.46	1.50
14	B	3021	CLA	CMD-C2D	-2.15	1.46	1.50
14	b	3008	CLA	C3B-CAB	-2.15	1.43	1.47
14	a	820	CLA	CMB-C2B	-2.15	1.47	1.51
14	A	828	CLA	CMD-C2D	-2.15	1.46	1.50
14	1	825	CLA	C3B-CAB	-2.15	1.43	1.47
14	1	841	CLA	C3B-CAB	-2.15	1.43	1.47
14	2	3036	CLA	C3B-C2B	-2.15	1.37	1.40
16	L	206	BCR	C38-C26	-2.15	1.47	1.50
14	B	3013	CLA	CMC-C2C	-2.15	1.46	1.50
14	A	809	CLA	C3B-CAB	-2.15	1.43	1.47
14	a	832	CLA	C3B-CAB	-2.15	1.43	1.47
14	a	840	CLA	C3B-CAB	-2.15	1.43	1.47
14	a	821	CLA	CMC-C2C	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	843	CLA	MG-ND	-2.15	2.01	2.05
14	B	3031	CLA	MG-ND	-2.15	2.01	2.05
14	B	3012	CLA	C3B-CAB	-2.15	1.43	1.47
14	b	3005	CLA	C3B-CAB	-2.15	1.43	1.47
14	a	805	CLA	C3B-C2B	-2.15	1.37	1.40
14	2	3013	CLA	CMC-C2C	-2.15	1.46	1.50
14	2	3031	CLA	MG-ND	-2.14	2.01	2.05
16	A	848	BCR	C38-C26	-2.14	1.47	1.50
13	1	801	CL0	MG-ND	-2.14	2.01	2.05
14	b	3018	CLA	CMD-C2D	-2.14	1.46	1.50
14	2	3024	CLA	CMC-C2C	-2.14	1.46	1.50
14	A	830	CLA	C3B-CAB	-2.14	1.43	1.47
14	A	844	CLA	CMC-C2C	-2.14	1.46	1.50
14	2	3012	CLA	C3B-CAB	-2.14	1.43	1.47
14	0	207	CLA	C3B-C2B	-2.14	1.37	1.40
17	l	201	LHG	O7-C5	-2.14	1.41	1.46
14	2	3011	CLA	C3B-C2B	-2.14	1.37	1.40
16	1	847	BCR	C38-C26	-2.14	1.47	1.50
14	A	833	CLA	C3B-CAB	-2.14	1.43	1.47
14	b	3031	CLA	MG-ND	-2.14	2.01	2.05
17	A	854	LHG	P-O6	2.14	1.68	1.59
14	A	833	CLA	CMC-C2C	-2.14	1.46	1.50
14	1	844	CLA	CMC-C2C	-2.14	1.46	1.50
14	b	3012	CLA	C3B-CAB	-2.14	1.43	1.47
14	b	3036	CLA	C3B-C2B	-2.14	1.37	1.40
14	B	3039	CLA	CMC-C2C	-2.14	1.46	1.50
14	b	3039	CLA	CMC-C2C	-2.14	1.46	1.50
14	A	831	CLA	CMC-C2C	-2.13	1.46	1.50
14	B	3005	CLA	C4B-CHC	-2.13	1.35	1.41
14	1	843	CLA	MG-ND	-2.13	2.01	2.05
14	a	842	CLA	MG-ND	-2.13	2.01	2.05
14	2	3008	CLA	C3B-CAB	-2.13	1.43	1.47
14	b	3013	CLA	CMC-C2C	-2.13	1.46	1.50
17	1	853	LHG	P-O6	2.13	1.67	1.59
14	B	3024	CLA	CMC-C2C	-2.13	1.46	1.50
14	A	834	CLA	CMC-C2C	-2.13	1.46	1.50
14	1	838	CLA	CMC-C2C	-2.13	1.46	1.50
16	B	3049	BCR	C33-C5	-2.13	1.47	1.50
14	B	3006	CLA	C3B-CAB	-2.13	1.43	1.47
17	a	853	LHG	P-O6	2.13	1.67	1.59
14	2	3006	CLA	C3B-CAB	-2.13	1.43	1.47
14	b	3023	CLA	CMD-C2D	-2.13	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3040	CLA	C3B-CAB	-2.13	1.43	1.47
14	2	3039	CLA	CMC-C2C	-2.13	1.46	1.50
14	A	804	CLA	CMC-C2C	-2.13	1.46	1.50
14	B	3006	CLA	C3B-C2B	-2.13	1.37	1.40
16	B	3046	BCR	C38-C26	-2.13	1.47	1.50
14	A	812	CLA	CMC-C2C	-2.13	1.46	1.50
14	a	843	CLA	CMC-C2C	-2.12	1.46	1.50
14	1	833	CLA	C3B-CAB	-2.12	1.43	1.47
14	B	3036	CLA	C3B-C2B	-2.12	1.37	1.40
14	1	816	CLA	C3B-CAB	-2.12	1.43	1.47
16	6	202	BCR	C38-C26	-2.12	1.47	1.50
14	A	807	CLA	CMC-C2C	-2.12	1.46	1.50
14	1	808	CLA	CMC-C2C	-2.12	1.46	1.50
13	a	801	CL0	MG-ND	-2.12	2.01	2.05
14	b	3040	CLA	C3B-CAB	-2.12	1.43	1.47
16	f	202	BCR	C38-C26	-2.12	1.47	1.50
13	A	801	CL0	MG-ND	-2.12	2.01	2.05
17	0	201	LHG	O7-C5	-2.12	1.41	1.46
14	B	3041	CLA	C3B-CAB	-2.12	1.43	1.47
14	a	829	CLA	MG-ND	-2.12	2.01	2.05
14	B	3026	CLA	C3B-CAB	-2.12	1.43	1.47
14	2	3005	CLA	C4B-CHC	-2.12	1.35	1.41
14	j	1101	CLA	CMD-C2D	-2.12	1.46	1.50
14	A	817	CLA	CMD-C2D	-2.12	1.46	1.50
14	B	3008	CLA	C3B-CAB	-2.11	1.43	1.47
14	b	3006	CLA	C3B-CAB	-2.11	1.43	1.47
16	F	202	BCR	C38-C26	-2.11	1.47	1.50
14	a	816	CLA	CMD-C2D	-2.11	1.46	1.50
14	l	206	CLA	C3B-C2B	-2.11	1.37	1.40
16	2	3049	BCR	C33-C5	-2.11	1.47	1.50
14	b	3024	CLA	CMC-C2C	-2.11	1.46	1.50
14	a	815	CLA	C3B-CAB	-2.11	1.43	1.47
14	2	3040	CLA	C3B-CAB	-2.11	1.43	1.47
14	A	816	CLA	C3B-CAB	-2.11	1.43	1.47
14	A	830	CLA	MG-ND	-2.11	2.01	2.05
14	b	3017	CLA	CMD-C2D	-2.11	1.46	1.50
14	1	804	CLA	CMC-C2C	-2.11	1.46	1.50
14	2	3005	CLA	C3B-CAB	-2.11	1.43	1.47
14	B	3018	CLA	C3B-CAB	-2.11	1.43	1.47
14	a	811	CLA	CMC-C2C	-2.11	1.46	1.50
14	a	832	CLA	MG-ND	-2.11	2.01	2.05
14	L	203	CLA	C3B-C2B	-2.11	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	808	CLA	CMC-C2C	-2.11	1.46	1.50
14	1	820	CLA	CMC-C2C	-2.11	1.46	1.50
14	B	3020	CLA	C3B-C2B	-2.11	1.37	1.40
14	B	3010	CLA	CMD-C2D	-2.11	1.46	1.50
14	b	3010	CLA	CMD-C2D	-2.10	1.46	1.50
14	1	837	CLA	CMD-C2D	-2.10	1.46	1.50
14	A	838	CLA	CMC-C2C	-2.10	1.46	1.50
14	1	817	CLA	CMD-C2D	-2.10	1.46	1.50
14	A	836	CLA	C3B-CAB	-2.10	1.43	1.47
14	B	3005	CLA	C3B-CAB	-2.10	1.43	1.47
14	1	830	CLA	C3B-CAB	-2.10	1.43	1.47
14	a	806	CLA	CMC-C2C	-2.10	1.46	1.50
14	a	829	CLA	C3B-CAB	-2.10	1.43	1.47
14	1	806	CLA	C3B-C2B	-2.10	1.37	1.40
14	A	833	CLA	MG-ND	-2.10	2.01	2.05
14	a	802	CLA	MG-ND	-2.10	2.01	2.05
14	A	841	CLA	C3B-CAB	-2.10	1.43	1.47
14	1	817	CLA	C3B-C2B	-2.10	1.37	1.40
14	1	842	CLA	C3B-C2B	-2.10	1.37	1.40
14	a	833	CLA	CMC-C2C	-2.10	1.46	1.50
14	b	3018	CLA	C3B-CAB	-2.10	1.43	1.47
14	1	806	CLA	C3B-CAB	-2.10	1.43	1.47
14	2	3031	CLA	C3B-C2B	-2.10	1.37	1.40
14	1	830	CLA	MG-ND	-2.10	2.01	2.05
14	a	837	CLA	CMC-C2C	-2.10	1.46	1.50
14	L	204	CLA	MG-ND	-2.10	2.01	2.05
16	0	210	BCR	C38-C26	-2.10	1.47	1.50
14	1	807	CLA	CMC-C2C	-2.09	1.46	1.50
14	2	3018	CLA	C3B-CAB	-2.09	1.43	1.47
16	I	102	BCR	C38-C26	-2.09	1.47	1.50
14	A	833	CLA	C3B-C2B	-2.09	1.37	1.40
14	2	3020	CLA	C3B-C2B	-2.09	1.37	1.40
16	b	3049	BCR	C33-C5	-2.09	1.47	1.50
14	2	3023	CLA	CMD-C2D	-2.09	1.46	1.50
14	a	836	CLA	CMD-C2D	-2.09	1.46	1.50
14	b	3005	CLA	C4B-CHC	-2.09	1.35	1.41
14	A	832	CLA	MG-ND	-2.09	2.01	2.05
14	B	3007	CLA	C3B-CAB	-2.09	1.43	1.47
14	0	208	CLA	MG-ND	-2.09	2.01	2.05
14	1	836	CLA	C3B-CAB	-2.09	1.43	1.47
14	A	820	CLA	CMC-C2C	-2.09	1.46	1.50
14	B	3017	CLA	CMC-C2C	-2.09	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3020	CLA	C3B-C2B	-2.09	1.37	1.40
14	2	3017	CLA	CMC-C2C	-2.09	1.46	1.50
14	A	814	CLA	C3B-CAB	-2.08	1.43	1.47
14	b	3027	CLA	C3B-CAB	-2.08	1.43	1.47
14	2	3041	CLA	C3B-CAB	-2.08	1.43	1.47
14	B	3028	CLA	C3B-CAB	-2.08	1.43	1.47
14	2	3027	CLA	C3B-CAB	-2.08	1.43	1.47
14	A	837	CLA	CMD-C2D	-2.08	1.46	1.50
14	B	3017	CLA	CMD-C2D	-2.08	1.46	1.50
14	b	3041	CLA	C3B-CAB	-2.08	1.43	1.47
14	1	806	CLA	C4B-CHC	-2.08	1.35	1.41
14	a	825	CLA	C3B-CAB	-2.08	1.43	1.47
14	1	831	CLA	C3B-CAB	-2.08	1.43	1.47
14	b	3017	CLA	CMC-C2C	-2.08	1.46	1.50
14	a	805	CLA	C4B-CHC	-2.08	1.35	1.41
14	j	1101	CLA	CMC-C2C	-2.08	1.46	1.50
14	b	3006	CLA	C3B-C2B	-2.08	1.37	1.40
14	1	814	CLA	C3B-CAB	-2.08	1.43	1.47
14	A	802	CLA	MG-ND	-2.08	2.01	2.05
14	1	832	CLA	MG-ND	-2.08	2.01	2.05
14	a	835	CLA	C3B-CAB	-2.08	1.43	1.47
14	b	3009	CLA	C3B-C2B	-2.08	1.37	1.40
14	2	3006	CLA	C3B-C2B	-2.08	1.37	1.40
14	A	817	CLA	C3B-C2B	-2.08	1.37	1.40
14	A	804	CLA	CMD-C2D	-2.08	1.46	1.50
14	2	3009	CLA	C3B-C2B	-2.08	1.37	1.40
14	A	855	CLA	C3B-C2B	-2.07	1.37	1.40
14	2	3010	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	3027	CLA	C3B-CAB	-2.07	1.43	1.47
16	j	1105	BCR	C38-C26	-2.07	1.47	1.50
14	b	3029	CLA	MG-ND	-2.07	2.01	2.05
16	M	1602	BCR	C33-C5	-2.07	1.47	1.50
14	a	825	CLA	CMC-C2C	-2.07	1.46	1.50
14	b	3012	CLA	CMD-C2D	-2.07	1.46	1.50
14	a	826	CLA	CMC-C2C	-2.07	1.46	1.50
14	1	802	CLA	MG-ND	-2.07	2.01	2.05
14	a	825	CLA	MG-ND	-2.07	2.01	2.05
14	l	208	CLA	C3B-CAB	-2.07	1.43	1.47
14	a	818	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	3023	CLA	CMD-C2D	-2.07	1.46	1.50
14	2	3017	CLA	CMD-C2D	-2.07	1.46	1.50
14	a	813	CLA	C3B-CAB	-2.07	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	826	CLA	MG-ND	-2.07	2.01	2.05
14	B	3037	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	3032	CLA	CMC-C2C	-2.07	1.46	1.50
14	1	827	CLA	CMC-C2C	-2.06	1.46	1.50
14	B	3012	CLA	C4B-CHC	-2.06	1.35	1.41
14	1	808	CLA	CMD-C2D	-2.06	1.46	1.50
14	B	3030	CLA	C4B-CHC	-2.06	1.35	1.41
14	a	832	CLA	C3B-C2B	-2.06	1.37	1.40
14	B	3012	CLA	CMD-C2D	-2.06	1.46	1.50
16	8	104	BCR	C38-C26	-2.06	1.47	1.50
14	A	826	CLA	MG-ND	-2.06	2.01	2.05
14	1	826	CLA	C3B-CAB	-2.06	1.43	1.47
14	B	3030	CLA	MG-ND	-2.06	2.01	2.05
14	B	3029	CLA	MG-ND	-2.06	2.01	2.05
14	b	3012	CLA	C4B-CHC	-2.06	1.35	1.41
14	x	1701	CLA	CMD-C2D	-2.06	1.46	1.50
14	a	805	CLA	C3B-CAB	-2.06	1.43	1.47
16	b	3048	BCR	C38-C26	-2.06	1.47	1.50
14	A	827	CLA	CMC-C2C	-2.06	1.46	1.50
16	b	3048	BCR	C33-C5	-2.06	1.47	1.50
14	a	831	CLA	MG-ND	-2.06	2.01	2.05
14	A	841	CLA	C3B-C2B	-2.06	1.37	1.40
14	A	842	CLA	C3B-C2B	-2.06	1.37	1.40
14	A	830	CLA	CMC-C2C	-2.06	1.46	1.50
14	a	829	CLA	CMC-C2C	-2.06	1.46	1.50
14	b	3028	CLA	C3B-CAB	-2.06	1.43	1.47
16	B	3045	BCR	C38-C26	-2.06	1.47	1.50
14	1	830	CLA	CMC-C2C	-2.06	1.46	1.50
14	L	205	CLA	C3B-CAB	-2.06	1.43	1.47
14	2	3030	CLA	MG-ND	-2.06	2.01	2.05
14	L	201	CLA	C3B-C2B	-2.06	1.37	1.40
16	y	101	BCR	C33-C5	-2.06	1.47	1.50
14	2	3037	CLA	CMD-C2D	-2.06	1.46	1.50
14	X	1701	CLA	CMD-C2D	-2.06	1.46	1.50
14	a	819	CLA	C3B-C2B	-2.06	1.37	1.40
14	2	3007	CLA	C3B-CAB	-2.06	1.43	1.47
14	6	204	CLA	CMD-C2D	-2.06	1.46	1.50
14	1	804	CLA	CMD-C2D	-2.06	1.46	1.50
14	A	806	CLA	C4B-CHC	-2.06	1.35	1.41
14	2	3035	CLA	C3B-CAB	-2.06	1.43	1.47
14	2	3028	CLA	C3B-CAB	-2.06	1.43	1.47
14	a	819	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	3030	CLA	C4B-CHC	-2.05	1.35	1.41
14	b	3032	CLA	CMC-C2C	-2.05	1.46	1.50
14	2	3012	CLA	CMD-C2D	-2.05	1.46	1.50
14	2	3030	CLA	C4B-CHC	-2.05	1.35	1.41
16	A	851	BCR	C38-C26	-2.05	1.47	1.50
14	A	805	CLA	CMC-C2C	-2.05	1.46	1.50
14	f	204	CLA	CMD-C2D	-2.05	1.46	1.50
14	1	820	CLA	C3B-C2B	-2.05	1.37	1.40
14	b	3037	CLA	CMD-C2D	-2.05	1.46	1.50
14	1	819	CLA	C3B-C2B	-2.05	1.37	1.40
14	b	3030	CLA	MG-ND	-2.05	2.01	2.05
14	a	833	CLA	C3B-CAB	-2.05	1.43	1.47
14	A	819	CLA	CMD-C2D	-2.05	1.46	1.50
16	0	210	BCR	C33-C5	-2.05	1.47	1.50
14	2	3032	CLA	CMC-C2C	-2.05	1.46	1.50
14	b	3019	CLA	CMC-C2C	-2.05	1.46	1.50
14	j	1103	CLA	CMC-C2C	-2.05	1.46	1.50
14	2	3012	CLA	C4B-CHC	-2.05	1.35	1.41
16	2	3045	BCR	C38-C26	-2.05	1.47	1.50
14	A	806	CLA	C3B-CAB	-2.05	1.43	1.47
14	b	3004	CLA	MG-ND	-2.04	2.01	2.05
14	1	819	CLA	CMD-C2D	-2.04	1.46	1.50
16	B	3048	BCR	C38-C26	-2.04	1.47	1.50
16	b	3045	BCR	C38-C26	-2.04	1.47	1.50
14	b	3035	CLA	C3B-CAB	-2.04	1.43	1.47
14	1	805	CLA	CMC-C2C	-2.04	1.46	1.50
14	2	3029	CLA	MG-ND	-2.04	2.01	2.05
16	a	849	BCR	C33-C5	-2.04	1.47	1.50
14	A	826	CLA	C3B-CAB	-2.04	1.43	1.47
14	F	204	CLA	CMD-C2D	-2.04	1.46	1.50
14	8	102	CLA	CMD-C2D	-2.04	1.46	1.50
14	1	841	CLA	C3B-C2B	-2.04	1.37	1.40
16	I	102	BCR	C33-C5	-2.04	1.47	1.50
16	2	3048	BCR	C38-C26	-2.04	1.47	1.50
14	0	209	CLA	C3B-CAB	-2.04	1.43	1.47
14	a	830	CLA	C3B-CAB	-2.04	1.43	1.47
14	8	102	CLA	CMC-C2C	-2.04	1.46	1.50
14	1	834	CLA	C3B-CAB	-2.04	1.43	1.47
14	k	101	CLA	CMC-C2C	-2.04	1.46	1.50
14	9	101	CLA	CMC-C2C	-2.04	1.46	1.50
14	B	3009	CLA	C3B-C2B	-2.04	1.37	1.40
14	2	3019	CLA	CMC-C2C	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	3035	CLA	C3B-CAB	-2.03	1.43	1.47
14	l	207	CLA	MG-ND	-2.03	2.01	2.05
14	a	804	CLA	CMC-C2C	-2.03	1.46	1.50
16	l	209	BCR	C38-C26	-2.03	1.47	1.50
14	A	834	CLA	C3B-CAB	-2.03	1.43	1.47
14	J	102	CLA	CMC-C2C	-2.03	1.46	1.50
14	1	806	CLA	MG-ND	-2.03	2.01	2.05
14	1	803	CLA	C3B-CAB	-2.03	1.43	1.47
14	a	816	CLA	C3B-C2B	-2.03	1.37	1.40
14	z	1701	CLA	CMD-C2D	-2.03	1.46	1.50
14	b	3007	CLA	C3B-CAB	-2.03	1.43	1.47
14	1	815	CLA	CMD-C2D	-2.03	1.46	1.50
14	A	844	CLA	CMD-C2D	-2.03	1.46	1.50
14	1	826	CLA	CMC-C2C	-2.03	1.46	1.50
14	2	3030	CLA	C3B-C2B	-2.03	1.37	1.40
14	A	808	CLA	CMD-C2D	-2.03	1.46	1.50
14	2	3011	CLA	C3B-CAB	-2.03	1.43	1.47
14	2	3004	CLA	MG-ND	-2.03	2.01	2.05
16	1	849	BCR	C33-C5	-2.03	1.47	1.50
14	A	831	CLA	C3B-CAB	-2.03	1.43	1.47
14	2	3033	CLA	CMC-C2C	-2.03	1.46	1.50
14	a	843	CLA	CMD-C2D	-2.03	1.46	1.50
16	1	850	BCR	C33-C5	-2.03	1.47	1.50
14	a	803	CLA	MG-ND	-2.03	2.01	2.05
14	b	3031	CLA	C3B-C2B	-2.03	1.37	1.40
14	B	3019	CLA	CMC-C2C	-2.02	1.46	1.50
14	J	102	CLA	CMD-C2D	-2.02	1.46	1.50
14	j	1103	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	830	CLA	C4B-CHC	-2.02	1.35	1.41
14	l	203	CLA	C3B-C2B	-2.02	1.37	1.40
14	1	803	CLA	MG-ND	-2.02	2.01	2.05
14	A	817	CLA	CMC-C2C	-2.02	1.46	1.50
14	A	820	CLA	C3B-C2B	-2.02	1.37	1.40
16	2	3048	BCR	C33-C5	-2.02	1.47	1.50
14	a	807	CLA	CMD-C2D	-2.02	1.46	1.50
16	1	209	BCR	C33-C5	-2.02	1.47	1.50
14	2	3023	CLA	CMC-C2C	-2.02	1.46	1.50
14	A	809	CLA	C3B-C2B	-2.02	1.37	1.40
16	1	850	BCR	C38-C26	-2.02	1.47	1.50
14	b	3033	CLA	CMC-C2C	-2.02	1.46	1.50
14	A	831	CLA	C4B-CHC	-2.02	1.35	1.41
14	K	101	CLA	CMC-C2C	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	6	201	CLA	CMC-C2C	-2.01	1.46	1.50
14	1	815	CLA	C3B-C2B	-2.01	1.37	1.40
14	2	3022	CLA	CMD-C2D	-2.01	1.46	1.50
16	m	101	BCR	C33-C5	-2.01	1.47	1.50
14	A	803	CLA	C3B-CAB	-2.01	1.43	1.47
14	2	3038	CLA	C3B-CAB	-2.01	1.43	1.47
13	1	801	CL0	C3B-C2B	-2.01	1.37	1.40
14	A	826	CLA	CMC-C2C	-2.01	1.46	1.50
14	B	3022	CLA	CMD-C2D	-2.01	1.46	1.50
14	M	1601	CLA	C3B-C2B	-2.01	1.37	1.40
14	a	840	CLA	C3B-C2B	-2.01	1.37	1.40
14	2	3011	CLA	C4B-CHC	-2.01	1.35	1.41
14	a	814	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	818	CLA	C3B-C2B	-2.01	1.37	1.40
13	A	801	CL0	C3B-C2B	-2.01	1.37	1.40
14	a	814	CLA	C3B-C2B	-2.01	1.37	1.40
14	F	201	CLA	CMC-C2C	-2.01	1.46	1.50
14	0	203	CLA	C3B-C2B	-2.01	1.37	1.40
14	b	3011	CLA	C4B-CHC	-2.00	1.35	1.41
14	B	3035	CLA	CMC-C2C	-2.00	1.46	1.50
14	M	1601	CLA	CBD-CAD	2.00	1.56	1.51
14	a	805	CLA	MG-ND	-2.00	2.01	2.05
14	b	3038	CLA	C3B-CAB	-2.00	1.43	1.47
14	L	201	CLA	MG-ND	-2.00	2.01	2.05
16	2	3047	BCR	C38-C26	-2.00	1.47	1.50
14	B	3031	CLA	C3B-C2B	-2.00	1.37	1.40
14	b	3035	CLA	CMC-C2C	-2.00	1.46	1.50
14	A	802	CLA	C3B-CAB	-2.00	1.43	1.47
14	1	831	CLA	C4B-CHC	-2.00	1.35	1.41
14	1	807	CLA	MG-ND	-2.00	2.01	2.05

All (2918) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3005	CLA	C4A-NA-C1A	8.29	110.43	106.71
14	B	3005	CLA	C4A-NA-C1A	8.29	110.43	106.71
14	2	3005	CLA	C4A-NA-C1A	8.27	110.42	106.71
14	a	805	CLA	C4A-NA-C1A	8.18	110.38	106.71
14	A	806	CLA	C4A-NA-C1A	8.07	110.33	106.71
14	1	806	CLA	C4A-NA-C1A	8.06	110.33	106.71
14	2	3011	CLA	C4A-NA-C1A	8.03	110.31	106.71
14	1	835	CLA	C4A-NA-C1A	8.01	110.31	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	835	CLA	C4A-NA-C1A	7.99	110.30	106.71
14	b	3011	CLA	C4A-NA-C1A	7.98	110.29	106.71
14	a	834	CLA	C4A-NA-C1A	7.94	110.27	106.71
14	B	3011	CLA	C4A-NA-C1A	7.89	110.25	106.71
13	a	801	CL0	C4A-NA-C1A	7.79	110.21	106.71
14	1	841	CLA	C4A-NA-C1A	7.78	110.20	106.71
14	b	3041	CLA	C4A-NA-C1A	7.75	110.19	106.71
14	B	3008	CLA	C4A-NA-C1A	7.73	110.18	106.71
14	A	841	CLA	C4A-NA-C1A	7.72	110.18	106.71
14	2	3010	CLA	C4A-NA-C1A	7.71	110.17	106.71
14	a	840	CLA	C4A-NA-C1A	7.70	110.17	106.71
13	1	801	CL0	C4A-NA-C1A	7.69	110.16	106.71
14	B	3010	CLA	C4A-NA-C1A	7.68	110.16	106.71
13	A	801	CL0	C4A-NA-C1A	7.64	110.14	106.71
14	B	3041	CLA	C4A-NA-C1A	7.64	110.14	106.71
14	2	3008	CLA	C4A-NA-C1A	7.63	110.14	106.71
14	b	3010	CLA	C4A-NA-C1A	7.62	110.13	106.71
14	2	3041	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	1	831	CLA	C4A-NA-C1A	7.58	110.11	106.71
14	2	3004	CLA	C4A-NA-C1A	7.57	110.11	106.71
14	A	831	CLA	C4A-NA-C1A	7.56	110.11	106.71
14	b	3008	CLA	C4A-NA-C1A	7.56	110.11	106.71
14	1	829	CLA	C4A-NA-C1A	7.56	110.10	106.71
14	1	804	CLA	C4A-NA-C1A	7.52	110.09	106.71
14	B	3020	CLA	C4A-NA-C1A	7.52	110.09	106.71
14	a	830	CLA	C4A-NA-C1A	7.51	110.08	106.71
14	A	804	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	2	3020	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	B	3004	CLA	C4A-NA-C1A	7.49	110.07	106.71
14	A	829	CLA	C4A-NA-C1A	7.48	110.07	106.71
14	a	828	CLA	C4A-NA-C1A	7.47	110.07	106.71
14	b	3004	CLA	C4A-NA-C1A	7.45	110.06	106.71
14	A	836	CLA	C4A-NA-C1A	7.45	110.06	106.71
14	b	3020	CLA	C4A-NA-C1A	7.44	110.05	106.71
14	j	1101	CLA	C4A-NA-C1A	7.43	110.05	106.71
14	l	207	CLA	C4A-NA-C1A	7.43	110.05	106.71
14	A	807	CLA	C4A-NA-C1A	7.43	110.05	106.71
14	B	3009	CLA	C4A-NA-C1A	7.42	110.04	106.71
14	a	806	CLA	C4A-NA-C1A	7.41	110.04	106.71
14	0	208	CLA	C4A-NA-C1A	7.40	110.03	106.71
14	b	3022	CLA	C4A-NA-C1A	7.40	110.03	106.71
14	1	843	CLA	C4A-NA-C1A	7.38	110.03	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3034	CLA	C4A-NA-C1A	7.38	110.02	106.71
14	1	807	CLA	C4A-NA-C1A	7.37	110.02	106.71
14	2	3034	CLA	C4A-NA-C1A	7.34	110.01	106.71
14	L	204	CLA	C4A-NA-C1A	7.34	110.01	106.71
14	a	842	CLA	C4A-NA-C1A	7.33	110.00	106.71
14	1	836	CLA	C4A-NA-C1A	7.32	110.00	106.71
14	b	3016	CLA	C4A-NA-C1A	7.31	109.99	106.71
14	2	3009	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	2	3022	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	2	3007	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	A	843	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	B	3022	CLA	C4A-NA-C1A	7.29	109.98	106.71
14	B	3016	CLA	C4A-NA-C1A	7.29	109.98	106.71
14	2	3016	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	a	835	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	b	3009	CLA	C4A-NA-C1A	7.27	109.98	106.71
14	B	3007	CLA	C4A-NA-C1A	7.26	109.97	106.71
14	B	3012	CLA	C4A-NA-C1A	7.25	109.97	106.71
14	b	3034	CLA	C4A-NA-C1A	7.25	109.97	106.71
14	b	3012	CLA	C4A-NA-C1A	7.24	109.96	106.71
14	2	3038	CLA	C4A-NA-C1A	7.23	109.96	106.71
14	A	838	CLA	C4A-NA-C1A	7.22	109.95	106.71
14	2	3006	CLA	C4A-NA-C1A	7.21	109.95	106.71
14	b	3017	CLA	C4A-NA-C1A	7.20	109.94	106.71
14	b	3007	CLA	C4A-NA-C1A	7.18	109.94	106.71
14	2	3012	CLA	C4A-NA-C1A	7.18	109.93	106.71
14	B	3038	CLA	C4A-NA-C1A	7.17	109.93	106.71
14	L	201	CLA	C4A-NA-C1A	7.16	109.92	106.71
14	a	837	CLA	C4A-NA-C1A	7.16	109.92	106.71
14	2	3017	CLA	C4A-NA-C1A	7.16	109.92	106.71
14	A	809	CLA	C4A-NA-C1A	7.15	109.92	106.71
14	a	808	CLA	C4A-NA-C1A	7.15	109.92	106.71
14	b	3038	CLA	C4A-NA-C1A	7.14	109.92	106.71
14	1	838	CLA	C4A-NA-C1A	7.14	109.92	106.71
14	0	204	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	A	824	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	B	3006	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	1	809	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	a	823	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	B	3017	CLA	C4A-NA-C1A	7.09	109.89	106.71
14	b	3006	CLA	C4A-NA-C1A	7.09	109.89	106.71
14	l	203	CLA	C4A-NA-C1A	7.07	109.89	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	826	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	a	822	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	a	827	CLA	C4A-NA-C1A	7.03	109.87	106.71
14	1	824	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	A	828	CLA	C4A-NA-C1A	7.01	109.86	106.71
14	B	3030	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	a	825	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	2	3030	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	1	823	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	1	826	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	b	3030	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	b	3035	CLA	C4A-NA-C1A	6.97	109.84	106.71
14	6	204	CLA	C4A-NA-C1A	6.97	109.84	106.71
14	B	3035	CLA	C4A-NA-C1A	6.95	109.83	106.71
14	1	828	CLA	C4A-NA-C1A	6.94	109.82	106.71
14	2	3035	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	A	811	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	F	204	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	K	101	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	f	204	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	B	3025	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	k	101	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	b	3039	CLA	C4A-NA-C1A	6.89	109.80	106.71
14	A	823	CLA	C4A-NA-C1A	6.89	109.80	106.71
14	9	101	CLA	C4A-NA-C1A	6.87	109.80	106.71
14	1	802	CLA	C4A-NA-C1A	6.86	109.79	106.71
14	B	3039	CLA	C4A-NA-C1A	6.86	109.79	106.71
14	1	811	CLA	C4A-NA-C1A	6.85	109.79	106.71
14	a	810	CLA	C4A-NA-C1A	6.85	109.78	106.71
14	b	3042	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	a	802	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	1	830	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	2	3025	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	2	3039	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	1	817	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	B	3042	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	2	3042	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	A	802	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	a	829	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	A	830	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	F	201	CLA	C4A-NA-C1A	6.80	109.76	106.71
14	1	814	CLA	C4A-NA-C1A	6.80	109.76	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3025	CLA	C4A-NA-C1A	6.80	109.76	106.71
14	a	804	CLA	C4A-NA-C1A	6.79	109.76	106.71
14	z	1701	CLA	C4A-NA-C1A	6.79	109.76	106.71
14	1	840	CLA	C4A-NA-C1A	6.78	109.76	106.71
14	2	3015	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	6	201	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	a	819	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	A	817	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	a	814	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	a	839	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	1	820	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	b	3026	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	1	834	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	f	201	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	A	834	CLA	C4A-NA-C1A	6.74	109.73	106.71
14	A	805	CLA	C4A-NA-C1A	6.74	109.73	106.71
14	1	822	CLA	C4A-NA-C1A	6.74	109.73	106.71
14	A	814	CLA	C4A-NA-C1A	6.73	109.73	106.71
14	A	820	CLA	C4A-NA-C1A	6.73	109.73	106.71
14	B	3015	CLA	C4A-NA-C1A	6.73	109.73	106.71
14	X	1701	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	A	812	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	b	3027	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	b	3015	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	1	805	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	A	840	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	a	816	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	1	818	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	a	833	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	x	1701	CLA	C4A-NA-C1A	6.67	109.71	106.71
14	a	813	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	f	203	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	a	817	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	a	811	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	B	3026	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	B	3027	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	F	203	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	1	815	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	B	3033	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	6	203	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	b	3033	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	2	3026	CLA	C4A-NA-C1A	6.63	109.69	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	855	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	a	831	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	a	821	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	1	832	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	A	844	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	1	812	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	A	832	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	2	3027	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	A	818	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	a	843	CLA	C4A-NA-C1A	6.58	109.67	106.71
14	a	838	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	1	844	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	A	815	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	M	1601	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	A	822	CLA	C4A-NA-C1A	6.56	109.65	106.71
14	a	818	CLA	C4A-NA-C1A	6.56	109.65	106.71
14	1	206	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	1	839	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	A	842	CLA	C4A-NA-C1A	6.54	109.64	106.71
14	2	3014	CLA	C4A-NA-C1A	6.54	109.64	106.71
14	B	3014	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	A	827	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	0	207	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	a	826	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	0	203	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	1	819	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	b	3019	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	2	3033	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	2	3024	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	2	3019	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	A	839	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	a	824	CLA	C4A-NA-C1A	6.49	109.63	106.71
14	b	3014	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	a	841	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	a	809	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	J	101	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	b	3024	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	2	3032	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	A	816	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	a	815	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	A	810	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	j	1102	CLA	C4A-NA-C1A	6.45	109.61	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	807	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	l	208	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	A	821	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	1	842	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	1	825	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	0	209	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	A	819	CLA	C4A-NA-C1A	6.43	109.59	106.71
14	1	821	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	B	3024	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	1	813	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	2	3013	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	a	812	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	1	816	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	B	3019	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	L	203	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	1	827	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	A	808	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	A	825	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	B	3032	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	L	205	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	b	3021	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	b	3032	CLA	C4A-NA-C1A	6.38	109.58	106.71
14	8	101	CLA	C4A-NA-C1A	6.38	109.58	106.71
14	1	810	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	a	820	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	b	3013	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	A	813	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	b	3023	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	B	3021	CLA	C4A-NA-C1A	6.32	109.55	106.71
14	1	808	CLA	C4A-NA-C1A	6.32	109.55	106.71
14	2	3021	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	2	3023	CLA	C4A-NA-C1A	6.30	109.54	106.71
14	1	833	CLA	C4A-NA-C1A	6.25	109.52	106.71
14	B	3023	CLA	C4A-NA-C1A	6.24	109.51	106.71
14	B	3013	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	2	3040	CLA	C4A-NA-C1A	6.20	109.49	106.71
14	B	3040	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	a	832	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	b	3029	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	b	3040	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	a	803	CLA	C4A-NA-C1A	6.09	109.44	106.71
14	j	1103	CLA	C4A-NA-C1A	6.09	109.44	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	J	102	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	8	102	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	A	803	CLA	C4A-NA-C1A	6.07	109.43	106.71
14	A	833	CLA	C4A-NA-C1A	6.06	109.43	106.71
14	B	3029	CLA	C4A-NA-C1A	6.03	109.42	106.71
14	B	3003	CLA	CMB-C2B-C1B	-6.03	119.20	128.46
14	b	3003	CLA	CMB-C2B-C1B	-6.02	119.21	128.46
14	K	102	CLA	C4A-NA-C1A	6.01	109.41	106.71
14	2	3003	CLA	CMB-C2B-C1B	-6.01	119.23	128.46
14	1	837	CLA	C4A-NA-C1A	6.00	109.40	106.71
14	b	3003	CLA	C4A-NA-C1A	5.99	109.40	106.71
14	1	803	CLA	C4A-NA-C1A	5.95	109.38	106.71
14	B	3037	CLA	C4A-NA-C1A	5.95	109.38	106.71
14	9	103	CLA	C4A-NA-C1A	5.94	109.38	106.71
14	2	3029	CLA	C4A-NA-C1A	5.93	109.37	106.71
14	B	3003	CLA	C4A-NA-C1A	5.93	109.37	106.71
14	2	3037	CLA	C4A-NA-C1A	5.92	109.37	106.71
14	a	836	CLA	C4A-NA-C1A	5.91	109.36	106.71
14	k	102	CLA	C4A-NA-C1A	5.90	109.36	106.71
14	A	837	CLA	C4A-NA-C1A	5.90	109.36	106.71
14	2	3003	CLA	C4A-NA-C1A	5.88	109.35	106.71
14	B	3018	CLA	C4A-NA-C1A	5.85	109.34	106.71
14	b	3037	CLA	C4A-NA-C1A	5.83	109.33	106.71
14	b	3028	CLA	C4A-NA-C1A	5.81	109.32	106.71
14	B	3028	CLA	C4A-NA-C1A	5.74	109.29	106.71
14	B	3036	CLA	C4A-NA-C1A	5.72	109.28	106.71
14	b	3018	CLA	C4A-NA-C1A	5.72	109.28	106.71
14	2	3028	CLA	C4A-NA-C1A	5.70	109.27	106.71
14	2	3018	CLA	C4A-NA-C1A	5.69	109.27	106.71
14	a	826	CLA	CMB-C2B-C1B	-5.69	119.73	128.46
14	b	3036	CLA	C4A-NA-C1A	5.68	109.26	106.71
14	A	827	CLA	CMB-C2B-C1B	-5.68	119.74	128.46
14	1	829	CLA	CMB-C2B-C1B	-5.67	119.75	128.46
14	1	827	CLA	CMB-C2B-C1B	-5.67	119.75	128.46
14	A	829	CLA	CMB-C2B-C1B	-5.66	119.76	128.46
14	a	828	CLA	CMB-C2B-C1B	-5.66	119.76	128.46
14	2	3036	CLA	C4A-NA-C1A	5.63	109.24	106.71
14	A	844	CLA	CMB-C2B-C1B	-5.62	119.83	128.46
14	a	843	CLA	CMB-C2B-C1B	-5.61	119.84	128.46
14	A	822	CLA	CMB-C2B-C1B	-5.61	119.85	128.46
14	2	3031	CLA	C4A-NA-C1A	5.60	109.22	106.71
14	a	821	CLA	CMB-C2B-C1B	-5.59	119.86	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	822	CLA	CMB-C2B-C1B	-5.59	119.87	128.46
14	1	844	CLA	CMB-C2B-C1B	-5.58	119.89	128.46
14	A	821	CLA	CMB-C2B-C1B	-5.50	120.00	128.46
14	a	820	CLA	CMB-C2B-C1B	-5.50	120.01	128.46
14	b	3031	CLA	C4A-NA-C1A	5.49	109.18	106.71
14	1	821	CLA	CMB-C2B-C1B	-5.49	120.03	128.46
14	B	3031	CLA	C4A-NA-C1A	5.47	109.17	106.71
14	a	829	CLA	CMB-C2B-C1B	-5.30	120.32	128.46
14	1	830	CLA	CMB-C2B-C1B	-5.29	120.33	128.46
14	A	830	CLA	CMB-C2B-C1B	-5.28	120.36	128.46
14	b	3023	CLA	CMB-C2B-C1B	-5.23	120.42	128.46
14	B	3023	CLA	CMB-C2B-C1B	-5.20	120.47	128.46
14	a	802	CLA	CMB-C2B-C1B	-5.20	120.47	128.46
14	2	3023	CLA	CMB-C2B-C1B	-5.20	120.48	128.46
14	A	802	CLA	CMB-C2B-C1B	-5.19	120.48	128.46
14	1	802	CLA	CMB-C2B-C1B	-5.18	120.50	128.46
14	b	3003	CLA	CMB-C2B-C3B	5.16	134.34	124.68
14	a	837	CLA	CMB-C2B-C1B	-5.16	120.54	128.46
14	2	3003	CLA	CMB-C2B-C3B	5.15	134.32	124.68
14	1	838	CLA	CMB-C2B-C1B	-5.15	120.55	128.46
14	B	3003	CLA	CMB-C2B-C3B	5.14	134.30	124.68
14	A	838	CLA	CMB-C2B-C1B	-5.14	120.56	128.46
14	b	3017	CLA	CAC-C3C-C4C	5.08	131.40	124.81
14	B	3017	CLA	CAC-C3C-C4C	5.05	131.36	124.81
14	2	3017	CLA	CAC-C3C-C4C	5.04	131.35	124.81
14	1	805	CLA	CMB-C2B-C1B	-5.02	120.75	128.46
14	a	804	CLA	CMB-C2B-C1B	-5.01	120.76	128.46
14	b	3039	CLA	CMB-C2B-C1B	-5.01	120.76	128.46
14	A	805	CLA	CMB-C2B-C1B	-5.01	120.77	128.46
14	B	3039	CLA	CMB-C2B-C1B	-4.98	120.81	128.46
14	2	3039	CLA	CMB-C2B-C1B	-4.98	120.81	128.46
14	b	3024	CLA	CMB-C2B-C1B	-4.96	120.84	128.46
14	2	3024	CLA	CMB-C2B-C1B	-4.95	120.86	128.46
14	B	3024	CLA	CMB-C2B-C1B	-4.95	120.86	128.46
14	F	203	CLA	CMB-C2B-C1B	-4.87	120.98	128.46
14	j	1101	CLA	CMB-C2B-C1B	-4.86	120.99	128.46
14	f	203	CLA	CMB-C2B-C1B	-4.85	121.01	128.46
14	A	804	CLA	CMB-C2B-C1B	-4.85	121.01	128.46
14	6	203	CLA	CMB-C2B-C1B	-4.83	121.03	128.46
14	1	827	CLA	CMB-C2B-C3B	4.82	133.70	124.68
14	1	804	CLA	CMB-C2B-C1B	-4.82	121.06	128.46
14	a	806	CLA	CMB-C2B-C1B	-4.81	121.07	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	826	CLA	CMB-C2B-C3B	4.80	133.66	124.68
14	1	829	CLA	CMB-C2B-C3B	4.80	133.66	124.68
14	a	828	CLA	CMB-C2B-C3B	4.80	133.66	124.68
14	1	807	CLA	CMB-C2B-C1B	-4.80	121.09	128.46
14	A	807	CLA	CMB-C2B-C1B	-4.80	121.09	128.46
14	1	823	CLA	CMB-C2B-C1B	-4.80	121.09	128.46
14	A	827	CLA	CMB-C2B-C3B	4.79	133.65	124.68
14	A	829	CLA	CMB-C2B-C3B	4.79	133.64	124.68
14	A	823	CLA	CMB-C2B-C1B	-4.79	121.11	128.46
14	a	822	CLA	CMB-C2B-C1B	-4.77	121.13	128.46
14	a	819	CLA	CMB-C2B-C1B	-4.74	121.18	128.46
14	1	820	CLA	CMB-C2B-C1B	-4.74	121.19	128.46
14	A	820	CLA	CMB-C2B-C1B	-4.72	121.20	128.46
14	A	821	CLA	CMB-C2B-C3B	4.68	133.44	124.68
14	1	821	CLA	CMB-C2B-C3B	4.67	133.41	124.68
14	a	820	CLA	CMB-C2B-C3B	4.67	133.41	124.68
14	A	834	CLA	CMB-C2B-C1B	-4.61	121.37	128.46
14	1	834	CLA	CMB-C2B-C1B	-4.61	121.38	128.46
14	a	829	CLA	CMB-C2B-C3B	4.60	133.29	124.68
14	a	833	CLA	CMB-C2B-C1B	-4.60	121.39	128.46
14	1	830	CLA	CMB-C2B-C3B	4.60	133.29	124.68
14	A	844	CLA	CMB-C2B-C3B	4.59	133.27	124.68
14	A	830	CLA	CMB-C2B-C3B	4.59	133.27	124.68
14	b	3031	CLA	CMB-C2B-C1B	-4.58	121.42	128.46
14	2	3031	CLA	CMB-C2B-C1B	-4.57	121.44	128.46
14	a	843	CLA	CMB-C2B-C3B	4.56	133.22	124.68
14	1	844	CLA	CMB-C2B-C3B	4.56	133.21	124.68
14	1	822	CLA	CMB-C2B-C3B	4.55	133.18	124.68
14	A	822	CLA	CMB-C2B-C3B	4.55	133.18	124.68
14	a	821	CLA	CMB-C2B-C3B	4.54	133.17	124.68
14	B	3031	CLA	CMB-C2B-C1B	-4.53	121.50	128.46
14	2	3019	CLA	CMB-C2B-C1B	-4.51	121.53	128.46
14	B	3011	CLA	CMB-C2B-C1B	-4.51	121.54	128.46
14	b	3011	CLA	CMB-C2B-C1B	-4.51	121.54	128.46
14	0	209	CLA	CMB-C2B-C1B	-4.50	121.55	128.46
14	2	3011	CLA	CMB-C2B-C1B	-4.49	121.56	128.46
14	B	3037	CLA	CMB-C2B-C1B	-4.49	121.56	128.46
14	2	3034	CLA	CMB-C2B-C1B	-4.49	121.56	128.46
14	b	3034	CLA	CMB-C2B-C1B	-4.49	121.56	128.46
14	b	3019	CLA	CMB-C2B-C1B	-4.49	121.57	128.46
14	B	3034	CLA	CMB-C2B-C1B	-4.49	121.57	128.46
14	L	205	CLA	CMB-C2B-C1B	-4.48	121.57	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	825	CLA	CMB-C2B-C1B	-4.48	121.58	128.46
14	A	825	CLA	CMB-C2B-C1B	-4.47	121.59	128.46
14	B	3019	CLA	CMB-C2B-C1B	-4.47	121.60	128.46
14	2	3037	CLA	CMB-C2B-C1B	-4.46	121.60	128.46
14	B	3016	CLA	C4-C3-C5	4.46	122.77	115.27
14	1	208	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
14	2	3016	CLA	C4-C3-C5	4.46	122.77	115.27
14	a	824	CLA	CMB-C2B-C1B	-4.45	121.63	128.46
14	b	3037	CLA	CMB-C2B-C1B	-4.45	121.63	128.46
14	b	3016	CLA	C4-C3-C5	4.44	122.75	115.27
14	B	3007	CLA	CMB-C2B-C1B	-4.42	121.66	128.46
14	2	3007	CLA	CMB-C2B-C1B	-4.39	121.71	128.46
14	b	3028	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	2	3028	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	B	3028	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	B	3032	CLA	CMB-C2B-C1B	-4.38	121.74	128.46
14	b	3007	CLA	CMB-C2B-C1B	-4.37	121.75	128.46
14	A	828	CLA	CMB-C2B-C1B	-4.37	121.75	128.46
14	b	3023	CLA	CMB-C2B-C3B	4.36	132.83	124.68
14	1	828	CLA	CMB-C2B-C1B	-4.35	121.77	128.46
14	b	3032	CLA	CMB-C2B-C1B	-4.35	121.78	128.46
14	a	827	CLA	CMB-C2B-C1B	-4.34	121.79	128.46
14	1	826	CLA	CMB-C2B-C1B	-4.34	121.80	128.46
14	2	3032	CLA	CMB-C2B-C1B	-4.34	121.80	128.46
14	A	810	CLA	CMB-C2B-C1B	-4.34	121.80	128.46
14	b	3026	CLA	CMB-C2B-C1B	-4.34	121.80	128.46
14	1	810	CLA	CMB-C2B-C1B	-4.33	121.80	128.46
14	a	825	CLA	CMB-C2B-C1B	-4.33	121.81	128.46
14	B	3023	CLA	CMB-C2B-C3B	4.33	132.77	124.68
14	2	3026	CLA	CMB-C2B-C1B	-4.32	121.82	128.46
14	a	809	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
14	2	3023	CLA	CMB-C2B-C3B	4.31	132.74	124.68
14	A	802	CLA	CMB-C2B-C3B	4.30	132.73	124.68
14	B	3026	CLA	CMB-C2B-C1B	-4.30	121.85	128.46
14	A	826	CLA	CMB-C2B-C1B	-4.29	121.86	128.46
14	1	802	CLA	CMB-C2B-C3B	4.29	132.71	124.68
14	a	802	CLA	CMB-C2B-C3B	4.29	132.71	124.68
17	0	202	LHG	O4-P-O5	4.27	133.35	112.24
17	1	202	LHG	O4-P-O5	4.27	133.33	112.24
17	L	208	LHG	O4-P-O5	4.27	133.33	112.24
14	1	838	CLA	CMB-C2B-C3B	4.26	132.66	124.68
14	b	3027	CLA	CMB-C2B-C1B	-4.26	121.91	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3015	CLA	CMB-C2B-C1B	-4.25	121.94	128.46
17	a	852	LHG	O4-P-O5	4.24	133.21	112.24
14	a	837	CLA	CMB-C2B-C3B	4.24	132.61	124.68
17	A	853	LHG	O4-P-O5	4.23	133.17	112.24
14	A	809	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
14	A	805	CLA	CMB-C2B-C3B	4.23	132.60	124.68
17	1	852	LHG	O4-P-O5	4.23	133.16	112.24
14	2	3027	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
14	1	805	CLA	CMB-C2B-C3B	4.23	132.59	124.68
14	a	808	CLA	CMB-C2B-C1B	-4.23	121.97	128.46
14	2	3015	CLA	CMB-C2B-C1B	-4.23	121.97	128.46
14	a	804	CLA	CMB-C2B-C3B	4.23	132.58	124.68
14	A	838	CLA	CMB-C2B-C3B	4.22	132.57	124.68
14	B	3027	CLA	CMB-C2B-C1B	-4.22	121.98	128.46
14	B	3015	CLA	CMB-C2B-C1B	-4.20	122.00	128.46
14	1	809	CLA	CMB-C2B-C1B	-4.20	122.01	128.46
14	2	3024	CLA	CMB-C2B-C3B	4.19	132.53	124.68
14	b	3024	CLA	CMB-C2B-C3B	4.19	132.52	124.68
17	1	853	LHG	O4-P-O5	4.19	132.96	112.24
14	2	3014	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
17	l	201	LHG	O4-P-O5	4.19	132.95	112.24
17	0	201	LHG	O4-P-O5	4.19	132.94	112.24
17	A	854	LHG	O4-P-O5	4.19	132.94	112.24
17	L	207	LHG	O4-P-O5	4.19	132.93	112.24
14	b	3014	CLA	CMB-C2B-C1B	-4.18	122.03	128.46
17	a	853	LHG	O4-P-O5	4.18	132.91	112.24
14	B	3024	CLA	CMB-C2B-C3B	4.18	132.50	124.68
14	B	3014	CLA	CMB-C2B-C1B	-4.18	122.05	128.46
14	j	1103	CLA	CMB-C2B-C1B	-4.17	122.05	128.46
14	1	842	CLA	CMB-C2B-C1B	-4.17	122.06	128.46
14	0	207	CLA	CMB-C2B-C1B	-4.15	122.08	128.46
14	A	842	CLA	CMB-C2B-C1B	-4.14	122.10	128.46
14	J	102	CLA	CMB-C2B-C1B	-4.14	122.11	128.46
14	L	203	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
14	a	841	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
14	B	3017	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
17	2	3051	LHG	O4-P-O5	4.13	132.66	112.24
14	8	102	CLA	CMB-C2B-C1B	-4.13	122.12	128.46
17	b	3051	LHG	O4-P-O5	4.13	132.64	112.24
17	B	3051	LHG	O4-P-O5	4.13	132.64	112.24
14	l	206	CLA	CMB-C2B-C1B	-4.12	122.12	128.46
14	b	3017	CLA	CMB-C2B-C1B	-4.11	122.14	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	802	CLA	C4-C3-C5	4.11	122.18	115.27
14	a	802	CLA	C4-C3-C5	4.11	122.18	115.27
14	1	802	CLA	C4-C3-C5	4.10	122.17	115.27
14	b	3022	CLA	CMB-C2B-C1B	-4.10	122.16	128.46
14	a	838	CLA	O2D-CGD-O1D	-4.10	115.83	123.84
14	b	3039	CLA	CMB-C2B-C3B	4.10	132.35	124.68
14	2	3017	CLA	CMB-C2B-C1B	-4.09	122.18	128.46
14	A	839	CLA	O2D-CGD-O1D	-4.09	115.85	123.84
14	B	3039	CLA	CMB-C2B-C3B	4.08	132.32	124.68
14	2	3039	CLA	CMB-C2B-C3B	4.07	132.29	124.68
14	A	807	CLA	CMB-C2B-C3B	4.06	132.27	124.68
14	1	839	CLA	O2D-CGD-O1D	-4.06	115.91	123.84
14	2	3022	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
14	B	3022	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
14	f	204	CLA	CMB-C2B-C1B	-4.05	122.24	128.46
14	A	834	CLA	CMB-C2B-C3B	4.05	132.25	124.68
14	1	834	CLA	CMB-C2B-C3B	4.05	132.25	124.68
14	a	833	CLA	CMB-C2B-C3B	4.05	132.25	124.68
14	9	103	CLA	CMB-C2B-C1B	-4.05	122.25	128.46
14	1	807	CLA	CMB-C2B-C3B	4.04	132.24	124.68
14	f	201	CLA	CMB-C2B-C1B	-4.04	122.25	128.46
14	k	102	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
14	a	806	CLA	CMB-C2B-C3B	4.03	132.21	124.68
14	K	102	CLA	CMB-C2B-C1B	-4.02	122.28	128.46
14	6	201	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
14	F	204	CLA	CMB-C2B-C1B	-4.00	122.31	128.46
14	1	823	CLA	CMB-C2B-C3B	4.00	132.17	124.68
14	6	204	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
14	A	823	CLA	CMB-C2B-C3B	4.00	132.16	124.68
14	2	3025	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
14	a	822	CLA	CMB-C2B-C3B	4.00	132.15	124.68
14	F	201	CLA	CMB-C2B-C1B	-3.98	122.34	128.46
14	2	3030	CLA	CMB-C2B-C1B	-3.98	122.35	128.46
14	a	812	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
14	b	3025	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
14	B	3025	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
14	1	825	CLA	CMB-C2B-C3B	3.97	132.10	124.68
14	b	3003	CLA	C4-C3-C5	3.96	121.94	115.27
14	B	3003	CLA	C4-C3-C5	3.96	121.93	115.27
14	B	3030	CLA	CMB-C2B-C1B	-3.94	122.40	128.46
14	A	832	CLA	CMB-C2B-C1B	-3.94	122.40	128.46
14	A	804	CLA	CMB-C2B-C3B	3.94	132.05	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	813	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
14	b	3030	CLA	CMB-C2B-C1B	-3.93	122.42	128.46
14	A	813	CLA	CMB-C2B-C1B	-3.93	122.42	128.46
14	j	1101	CLA	CMB-C2B-C3B	3.93	132.03	124.68
14	2	3003	CLA	C4-C3-C5	3.92	121.86	115.27
14	1	832	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
14	A	825	CLA	CMB-C2B-C3B	3.92	132.00	124.68
14	a	831	CLA	CMB-C2B-C1B	-3.91	122.45	128.46
14	a	824	CLA	CMB-C2B-C3B	3.91	132.00	124.68
14	1	804	CLA	CMB-C2B-C3B	3.91	132.00	124.68
14	b	3026	CLA	O2D-CGD-O1D	-3.89	116.22	123.84
14	2	3026	CLA	O2D-CGD-O1D	-3.89	116.22	123.84
14	B	3026	CLA	O2D-CGD-O1D	-3.89	116.23	123.84
14	6	203	CLA	CMB-C2B-C3B	3.88	131.93	124.68
14	f	203	CLA	CMB-C2B-C3B	3.87	131.93	124.68
14	F	203	CLA	CMB-C2B-C3B	3.86	131.91	124.68
14	b	3020	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
14	2	3020	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
14	B	3020	CLA	CMB-C2B-C1B	-3.84	122.57	128.46
14	2	3019	CLA	CMB-C2B-C3B	3.83	131.85	124.68
14	b	3006	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
14	b	3019	CLA	CMB-C2B-C3B	3.83	131.84	124.68
14	B	3006	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	2	3016	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	A	814	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	a	819	CLA	CMB-C2B-C3B	3.81	131.81	124.68
14	b	3016	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
14	B	3016	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
14	a	817	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
14	1	820	CLA	CMB-C2B-C3B	3.80	131.79	124.68
16	j	1106	BCR	C7-C8-C9	-3.80	120.50	126.23
14	B	3019	CLA	CMB-C2B-C3B	3.79	131.78	124.68
14	1	818	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
14	2	3006	CLA	CMB-C2B-C1B	-3.78	122.65	128.46
14	b	3012	CLA	O2D-CGD-O1D	-3.78	116.44	123.84
14	A	820	CLA	CMB-C2B-C3B	3.78	131.75	124.68
14	a	836	CLA	CMB-C2B-C1B	-3.78	122.65	128.46
16	2	3052	BCR	C7-C8-C9	-3.78	120.52	126.23
16	B	3053	BCR	C7-C8-C9	-3.78	120.53	126.23
14	1	837	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
14	a	813	CLA	CMB-C2B-C1B	-3.77	122.66	128.46
14	2	3012	CLA	O2D-CGD-O1D	-3.77	116.47	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	0	209	CLA	CMB-C2B-C3B	3.77	131.73	124.68
14	A	818	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	B	3012	CLA	O2D-CGD-O1D	-3.77	116.47	123.84
14	1	814	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	b	3031	CLA	CMB-C2B-C3B	3.77	131.73	124.68
14	b	3033	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	l	208	CLA	CMB-C2B-C3B	3.76	131.72	124.68
14	A	837	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
14	B	3005	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
14	L	205	CLA	CMB-C2B-C3B	3.76	131.72	124.68
14	B	3026	CLA	CMB-C2B-C3B	3.76	131.71	124.68
14	J	101	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
14	2	3031	CLA	CMB-C2B-C3B	3.74	131.68	124.68
14	a	842	CLA	CMB-C2B-C1B	-3.74	122.71	128.46
14	1	816	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	2	3033	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	b	3026	CLA	CMB-C2B-C3B	3.74	131.67	124.68
14	j	1102	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	a	815	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	8	101	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	b	3005	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	2	3005	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
14	1	843	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
14	2	3028	CLA	CMB-C2B-C3B	3.73	131.65	124.68
14	A	843	CLA	CMB-C2B-C1B	-3.73	122.74	128.46
14	B	3033	CLA	CMB-C2B-C1B	-3.73	122.74	128.46
14	b	3028	CLA	CMB-C2B-C3B	3.72	131.64	124.68
14	2	3036	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
14	2	3026	CLA	CMB-C2B-C3B	3.72	131.63	124.68
16	9	104	BCR	C2-C1-C6	3.71	116.20	110.48
14	B	3028	CLA	CMB-C2B-C3B	3.71	131.62	124.68
14	b	3034	CLA	CMB-C2B-C3B	3.71	131.62	124.68
14	B	3032	CLA	CMB-C2B-C3B	3.71	131.62	124.68
14	b	3036	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	A	816	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	B	3031	CLA	CMB-C2B-C3B	3.71	131.61	124.68
14	B	3034	CLA	CMB-C2B-C3B	3.70	131.60	124.68
14	B	3012	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
16	k	103	BCR	C2-C1-C6	3.70	116.17	110.48
14	1	819	CLA	C4-C3-C5	3.69	121.48	115.27
14	b	3012	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
14	2	3034	CLA	CMB-C2B-C3B	3.69	131.58	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3036	CLA	CMB-C2B-C1B	-3.68	122.80	128.46
16	K	103	BCR	C2-C1-C6	3.68	116.15	110.48
16	0	205	BCR	C15-C16-C17	-3.68	115.94	123.47
14	b	3032	CLA	CMB-C2B-C3B	3.68	131.56	124.68
16	B	3052	BCR	C15-C16-C17	-3.68	115.94	123.47
16	l	204	BCR	C15-C16-C17	-3.67	115.95	123.47
14	b	3033	CLA	O2D-CGD-O1D	-3.67	116.66	123.84
14	B	3033	CLA	O2D-CGD-O1D	-3.67	116.66	123.84
14	A	819	CLA	C4-C3-C5	3.67	121.44	115.27
14	2	3009	CLA	O2D-CGD-O1D	-3.66	116.68	123.84
14	2	3033	CLA	O2D-CGD-O1D	-3.66	116.68	123.84
14	2	3032	CLA	CMB-C2B-C3B	3.66	131.53	124.68
14	L	204	CLA	O2D-CGD-O1D	-3.66	116.69	123.84
14	0	208	CLA	O2D-CGD-O1D	-3.66	116.69	123.84
14	1	812	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
14	a	811	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
14	2	3012	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
14	l	207	CLA	O2D-CGD-O1D	-3.65	116.70	123.84
14	a	818	CLA	C4-C3-C5	3.65	121.41	115.27
14	L	201	CLA	CMB-C2B-C1B	-3.65	122.86	128.46
14	B	3009	CLA	O2D-CGD-O1D	-3.65	116.71	123.84
16	m	101	BCR	C24-C23-C22	-3.64	120.73	126.23
14	A	833	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
14	A	809	CLA	CMB-C2B-C3B	3.64	131.49	124.68
14	a	808	CLA	CMB-C2B-C3B	3.63	131.48	124.68
14	b	3009	CLA	O2D-CGD-O1D	-3.63	116.74	123.84
14	A	812	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
14	0	204	CLA	CMB-C2B-C1B	-3.63	122.89	128.46
16	y	101	BCR	C24-C23-C22	-3.62	120.76	126.23
14	a	832	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
14	1	809	CLA	CMB-C2B-C3B	3.62	131.45	124.68
14	2	3019	CLA	O2D-CGD-O1D	-3.62	116.76	123.84
14	l	203	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
16	M	1602	BCR	C24-C23-C22	-3.62	120.77	126.23
14	a	825	CLA	CMB-C2B-C3B	3.61	131.43	124.68
14	1	826	CLA	CMB-C2B-C3B	3.61	131.43	124.68
14	1	833	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
14	A	826	CLA	CMB-C2B-C3B	3.60	131.42	124.68
14	b	3027	CLA	CMB-C2B-C3B	3.60	131.41	124.68
14	X	1701	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
14	z	1701	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
14	B	3027	CLA	CMB-C2B-C3B	3.59	131.40	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3019	CLA	O2D-CGD-O1D	-3.59	116.81	123.84
14	b	3019	CLA	O2D-CGD-O1D	-3.59	116.82	123.84
14	B	3029	CLA	CMB-C2B-C1B	-3.58	122.95	128.46
14	A	806	CLA	O2D-CGD-O1D	-3.58	116.83	123.84
14	x	1701	CLA	CMB-C2B-C1B	-3.58	122.95	128.46
14	1	806	CLA	O2D-CGD-O1D	-3.58	116.83	123.84
13	1	801	CL0	O2D-CGD-O1D	-3.58	116.84	123.84
14	A	810	CLA	CMB-C2B-C3B	3.58	131.37	124.68
13	A	801	CL0	O2D-CGD-O1D	-3.58	116.85	123.84
14	1	819	CLA	CMB-C2B-C1B	-3.58	122.97	128.46
14	2	3035	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
16	6	205	BCR	C35-C13-C14	-3.57	117.92	122.92
14	b	3029	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
14	a	809	CLA	CMB-C2B-C3B	3.57	131.35	124.68
14	2	3029	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
14	2	3027	CLA	CMB-C2B-C3B	3.56	131.35	124.68
14	1	810	CLA	CMB-C2B-C3B	3.56	131.35	124.68
16	F	205	BCR	C35-C13-C14	-3.56	117.93	122.92
14	1	817	CLA	C4-C3-C5	3.56	121.27	115.27
14	B	3035	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
14	a	818	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
14	A	817	CLA	C4-C3-C5	3.56	121.26	115.27
13	a	801	CL0	O2D-CGD-O1D	-3.56	116.88	123.84
14	1	817	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
14	a	816	CLA	C4-C3-C5	3.56	121.26	115.27
14	a	816	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
14	2	3015	CLA	CMB-C2B-C3B	3.56	131.33	124.68
14	A	817	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
16	f	205	BCR	C35-C13-C14	-3.55	117.95	122.92
14	b	3015	CLA	CMB-C2B-C3B	3.55	131.31	124.68
14	b	3035	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
14	B	3007	CLA	CMB-C2B-C3B	3.54	131.30	124.68
14	2	3042	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
14	B	3005	CLA	CAC-C3C-C4C	3.54	129.40	124.81
14	A	819	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
14	a	805	CLA	O2D-CGD-O1D	-3.54	116.92	123.84
14	j	1103	CLA	CMB-C2B-C3B	3.54	131.29	124.68
14	B	3015	CLA	CMB-C2B-C3B	3.53	131.29	124.68
14	b	3007	CLA	CMB-C2B-C3B	3.53	131.29	124.68
14	2	3007	CLA	CMB-C2B-C3B	3.53	131.28	124.68
14	2	3014	CLA	CMB-C2B-C3B	3.53	131.28	124.68
14	b	3014	CLA	CMB-C2B-C3B	3.53	131.28	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3042	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
14	B	3014	CLA	CMB-C2B-C3B	3.52	131.27	124.68
14	J	102	CLA	CMB-C2B-C3B	3.52	131.27	124.68
14	B	3042	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
14	2	3005	CLA	CAC-C3C-C4C	3.52	129.38	124.81
14	b	3005	CLA	CAC-C3C-C4C	3.52	129.38	124.81
14	8	102	CLA	CMB-C2B-C3B	3.51	131.24	124.68
13	A	801	CL0	CMB-C2B-C1B	-3.50	123.08	128.46
14	B	3011	CLA	CMB-C2B-C3B	3.50	131.23	124.68
16	A	848	BCR	C15-C16-C17	-3.50	116.30	123.47
14	1	808	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
16	a	847	BCR	C15-C16-C17	-3.50	116.31	123.47
14	2	3011	CLA	CMB-C2B-C3B	3.50	131.22	124.68
14	A	808	CLA	CMB-C2B-C1B	-3.49	123.09	128.46
13	1	801	CL0	CMB-C2B-C1B	-3.49	123.10	128.46
14	a	830	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
14	a	823	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
14	b	3011	CLA	CMB-C2B-C3B	3.48	131.19	124.68
14	a	807	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
16	1	847	BCR	C15-C16-C17	-3.48	116.35	123.47
14	L	203	CLA	O2D-CGD-O1D	-3.48	117.04	123.84
14	B	3004	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
14	b	3004	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	b	3003	CLA	O2D-CGD-O1D	-3.47	117.06	123.84
14	2	3003	CLA	O2D-CGD-O1D	-3.46	117.06	123.84
14	0	207	CLA	O2D-CGD-O1D	-3.46	117.07	123.84
14	B	3003	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
14	l	206	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
14	1	803	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
14	1	808	CLA	O2D-CGD-O1D	-3.45	117.08	123.84
14	A	808	CLA	O2D-CGD-O1D	-3.45	117.09	123.84
13	a	801	CL0	CMB-C2B-C1B	-3.45	123.16	128.46
14	k	102	CLA	CMB-C2B-C3B	3.45	131.13	124.68
14	L	205	CLA	O2D-CGD-O1D	-3.45	117.10	123.84
14	1	831	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
14	b	3039	CLA	C1-C2-C3	-3.45	120.08	126.04
14	A	806	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
14	A	831	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
14	B	3039	CLA	C1-C2-C3	-3.44	120.09	126.04
14	9	103	CLA	CMB-C2B-C3B	3.44	131.12	124.68
14	2	3004	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
14	2	3039	CLA	C1-C2-C3	-3.44	120.10	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3018	CLA	C4-C3-C5	3.44	121.05	115.27
14	a	807	CLA	O2D-CGD-O1D	-3.44	117.12	123.84
14	a	803	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	0	209	CLA	O2D-CGD-O1D	-3.43	117.13	123.84
14	l	208	CLA	O2D-CGD-O1D	-3.43	117.13	123.84
14	2	3018	CLA	C4-C3-C5	3.43	121.05	115.27
14	b	3013	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	1	806	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	b	3032	CLA	O2D-CGD-O1D	-3.43	117.14	123.84
14	b	3018	CLA	C4-C3-C5	3.43	121.04	115.27
14	A	824	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	A	803	CLA	CMB-C2B-C1B	-3.43	123.20	128.46
14	K	102	CLA	CMB-C2B-C3B	3.42	131.08	124.68
14	2	3032	CLA	O2D-CGD-O1D	-3.42	117.15	123.84
14	A	828	CLA	CMB-C2B-C3B	3.42	131.08	124.68
14	2	3013	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
14	a	805	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
14	1	828	CLA	CMB-C2B-C3B	3.42	131.07	124.68
14	B	3032	CLA	O2D-CGD-O1D	-3.42	117.16	123.84
14	1	824	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	B	3013	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	A	841	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
14	a	827	CLA	CMB-C2B-C3B	3.40	131.04	124.68
14	1	841	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
14	a	840	CLA	O2D-CGD-O1D	-3.40	117.20	123.84
14	B	3017	CLA	CMB-C2B-C3B	3.40	131.03	124.68
14	2	3013	CLA	O2D-CGD-O1D	-3.38	117.23	123.84
14	A	813	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
14	b	3017	CLA	CMB-C2B-C3B	3.37	130.98	124.68
14	B	3030	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
14	B	3013	CLA	O2D-CGD-O1D	-3.37	117.26	123.84
14	b	3030	CLA	O2D-CGD-O1D	-3.37	117.26	123.84
16	f	205	BCR	C2-C1-C6	3.36	115.66	110.48
14	b	3013	CLA	O2D-CGD-O1D	-3.36	117.27	123.84
14	a	838	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
14	1	816	CLA	CMB-C2B-C3B	3.36	130.96	124.68
14	a	812	CLA	O2D-CGD-O1D	-3.36	117.28	123.84
14	1	813	CLA	O2D-CGD-O1D	-3.36	117.28	123.84
14	a	812	CLA	CMB-C2B-C3B	3.35	130.95	124.68
14	A	839	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
14	A	813	CLA	CMB-C2B-C3B	3.35	130.94	124.68
14	a	815	CLA	CMB-C2B-C3B	3.35	130.94	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	3030	CLA	O2D-CGD-O1D	-3.34	117.30	123.84
14	2	3017	CLA	O2D-CGD-O1D	-3.34	117.30	123.84
14	2	3017	CLA	CMB-C2B-C3B	3.34	130.92	124.68
14	1	813	CLA	CMB-C2B-C3B	3.34	130.92	124.68
14	B	3026	CLA	O2D-CGD-CBD	3.33	117.19	111.27
14	A	842	CLA	O2D-CGD-O1D	-3.33	117.32	123.84
14	2	3026	CLA	O2D-CGD-CBD	3.33	117.19	111.27
14	1	839	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
14	A	816	CLA	CMB-C2B-C3B	3.33	130.91	124.68
14	1	842	CLA	O2D-CGD-O1D	-3.33	117.33	123.84
16	F	205	BCR	C2-C1-C6	3.33	115.60	110.48
14	a	805	CLA	CHB-C4A-NA	3.32	129.11	124.51
14	B	3017	CLA	O2D-CGD-O1D	-3.32	117.34	123.84
14	2	3022	CLA	O2D-CGD-O1D	-3.32	117.34	123.84
16	6	205	BCR	C2-C1-C6	3.32	115.59	110.48
14	1	806	CLA	CHB-C4A-NA	3.32	129.10	124.51
14	2	3038	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
14	2	3041	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
14	b	3017	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
14	b	3005	CLA	CMB-C2B-C3B	3.31	130.87	124.68
14	A	806	CLA	CHB-C4A-NA	3.31	129.08	124.51
14	B	3022	CLA	CMB-C2B-C3B	3.30	130.86	124.68
14	a	841	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
14	b	3026	CLA	O2D-CGD-CBD	3.30	117.14	111.27
14	b	3022	CLA	CMB-C2B-C3B	3.30	130.85	124.68
14	A	834	CLA	C1-C2-C3	-3.30	120.34	126.04
14	1	840	CLA	O2D-CGD-O1D	-3.30	117.39	123.84
14	B	3005	CLA	CMB-C2B-C3B	3.29	130.84	124.68
14	B	3021	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
14	B	3022	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
14	B	3037	CLA	CMB-C2B-C3B	3.29	130.83	124.68
14	1	834	CLA	C1-C2-C3	-3.29	120.36	126.04
14	A	832	CLA	O2D-CGD-O1D	-3.29	117.41	123.84
14	2	3021	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
14	2	3022	CLA	CMB-C2B-C3B	3.28	130.82	124.68
14	2	3005	CLA	CMB-C2B-C3B	3.28	130.82	124.68
14	B	3010	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
14	b	3038	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
14	b	3022	CLA	O2D-CGD-O1D	-3.28	117.42	123.84
14	a	833	CLA	C1-C2-C3	-3.28	120.37	126.04
14	B	3038	CLA	CMB-C2B-C1B	-3.28	123.43	128.46
14	B	3041	CLA	CMB-C2B-C1B	-3.28	123.43	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3041	CLA	CMB-C2B-C1B	-3.28	123.43	128.46
14	b	3037	CLA	CMB-C2B-C3B	3.28	130.81	124.68
14	2	3010	CLA	CMB-C2B-C1B	-3.27	123.43	128.46
14	B	3007	CLA	O2D-CGD-O1D	-3.27	117.44	123.84
14	2	3026	CLA	CAA-C2A-C1A	-3.26	101.28	111.97
14	a	814	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
14	2	3010	CLA	O2D-CGD-O1D	-3.26	117.46	123.84
14	b	3021	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
14	1	815	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
14	2	3007	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
14	b	3010	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
14	a	839	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
14	A	836	CLA	C4-C3-C5	3.26	120.75	115.27
14	A	840	CLA	O2D-CGD-O1D	-3.25	117.47	123.84
14	B	3026	CLA	CAA-C2A-C1A	-3.25	101.31	111.97
14	2	3016	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	1	842	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	B	3010	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
14	b	3026	CLA	CAA-C2A-C1A	-3.25	101.32	111.97
16	A	847	BCR	C2-C1-C6	3.25	115.48	110.48
14	A	814	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	A	842	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	2	3037	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	a	831	CLA	O2D-CGD-O1D	-3.25	117.49	123.84
14	a	813	CLA	CMB-C2B-C3B	3.25	130.75	124.68
14	L	204	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
14	B	3016	CLA	CMB-C2B-C3B	3.24	130.75	124.68
14	b	3007	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
14	A	815	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
16	a	846	BCR	C2-C1-C6	3.24	115.47	110.48
14	1	832	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
14	b	3010	CLA	O2D-CGD-O1D	-3.24	117.51	123.84
14	f	201	CLA	CMB-C2B-C3B	3.24	130.73	124.68
16	1	846	BCR	C2-C1-C6	3.24	115.46	110.48
14	2	3011	CLA	C4-C3-C5	3.24	120.71	115.27
14	b	3016	CLA	CMB-C2B-C3B	3.23	130.73	124.68
14	a	841	CLA	CMB-C2B-C3B	3.23	130.72	124.68
16	1	846	BCR	C27-C26-C25	3.23	127.42	122.73
14	2	3018	CLA	CMB-C2B-C1B	-3.22	123.51	128.46
14	1	814	CLA	CMB-C2B-C3B	3.22	130.71	124.68
14	2	3039	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
14	0	208	CLA	CMB-C2B-C1B	-3.22	123.51	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	a	846	BCR	C27-C26-C25	3.22	127.40	122.73
14	b	3011	CLA	C4-C3-C5	3.22	120.68	115.27
14	a	835	CLA	C4-C3-C5	3.22	120.68	115.27
14	2	3025	CLA	CMB-C2B-C3B	3.21	130.69	124.68
14	1	841	CLA	CMB-C2B-C1B	-3.21	123.52	128.46
14	A	841	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
14	l	207	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
14	B	3011	CLA	C4-C3-C5	3.21	120.67	115.27
14	a	840	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
14	1	836	CLA	C4-C3-C5	3.21	120.67	115.27
14	B	3039	CLA	O2D-CGD-O1D	-3.21	117.57	123.84
14	1	818	CLA	O2D-CGD-O1D	-3.21	117.57	123.84
14	b	3039	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
14	9	101	CLA	CMB-C2B-C1B	-3.20	123.54	128.46
14	1	835	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
14	B	3018	CLA	CMB-C2B-C1B	-3.20	123.54	128.46
14	B	3025	CLA	CMB-C2B-C3B	3.20	130.67	124.68
14	b	3025	CLA	CMB-C2B-C3B	3.20	130.67	124.68
14	A	818	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
14	A	835	CLA	O2D-CGD-O1D	-3.20	117.59	123.84
14	6	201	CLA	CMB-C2B-C3B	3.20	130.66	124.68
14	K	101	CLA	CMB-C2B-C1B	-3.20	123.55	128.46
14	a	834	CLA	O2D-CGD-O1D	-3.20	117.59	123.84
14	b	3018	CLA	CMB-C2B-C1B	-3.19	123.56	128.46
16	A	847	BCR	C27-C26-C25	3.19	127.36	122.73
14	F	201	CLA	CMB-C2B-C3B	3.19	130.64	124.68
14	a	817	CLA	O2D-CGD-O1D	-3.19	117.61	123.84
14	k	101	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
14	A	805	CLA	O2D-CGD-O1D	-3.18	117.63	123.84
14	J	101	CLA	CMB-C2B-C3B	3.17	130.62	124.68
14	1	805	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
14	a	804	CLA	O2D-CGD-O1D	-3.17	117.65	123.84
14	9	103	CLA	O2D-CGD-O1D	-3.16	117.65	123.84
14	A	836	CLA	CMB-C2B-C1B	-3.16	123.60	128.46
14	a	835	CLA	CMB-C2B-C1B	-3.16	123.60	128.46
14	B	3006	CLA	CMB-C2B-C3B	3.16	130.60	124.68
14	b	3013	CLA	CMB-C2B-C3B	3.16	130.60	124.68
16	A	848	BCR	C37-C22-C21	-3.16	118.50	122.92
14	k	102	CLA	O2D-CGD-O1D	-3.16	117.67	123.84
14	1	836	CLA	CMB-C2B-C1B	-3.15	123.62	128.46
14	b	3017	CLA	CAC-C3C-C2C	-3.15	122.14	127.53
14	0	207	CLA	CMB-C2B-C3B	3.15	130.57	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	3017	CLA	CAC-C3C-C2C	-3.15	122.14	127.53
14	A	832	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	K	102	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
14	1	832	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	8	101	CLA	CMB-C2B-C3B	3.15	130.56	124.68
14	b	3006	CLA	CMB-C2B-C3B	3.14	130.56	124.68
14	j	1102	CLA	CMB-C2B-C3B	3.14	130.56	124.68
16	B	3044	BCR	C15-C16-C17	-3.14	117.04	123.47
16	b	3044	BCR	C15-C16-C17	-3.14	117.04	123.47
16	1	847	BCR	C37-C22-C21	-3.14	118.53	122.92
14	B	3013	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	L	203	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	B	3017	CLA	CAC-C3C-C2C	-3.13	122.17	127.53
14	2	3013	CLA	CMB-C2B-C3B	3.13	130.53	124.68
14	a	831	CLA	CMB-C2B-C3B	3.13	130.53	124.68
16	2	3044	BCR	C15-C16-C17	-3.12	117.08	123.47
14	A	843	CLA	C4-C3-C5	3.12	120.52	115.27
14	l	206	CLA	CMB-C2B-C3B	3.12	130.52	124.68
16	a	847	BCR	C37-C22-C21	-3.12	118.55	122.92
14	a	842	CLA	C4-C3-C5	3.12	120.52	115.27
14	B	3023	CLA	O2D-CGD-O1D	-3.11	117.75	123.84
14	A	817	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
14	2	3023	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
14	2	3006	CLA	CMB-C2B-C3B	3.11	130.49	124.68
14	A	833	CLA	CMB-C2B-C3B	3.11	130.49	124.68
14	1	825	CLA	C1-C2-C3	-3.11	120.67	126.04
14	1	804	CLA	O2D-CGD-O1D	-3.11	117.77	123.84
14	A	804	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
14	A	825	CLA	C1-C2-C3	-3.10	120.68	126.04
14	a	824	CLA	C1-C2-C3	-3.10	120.68	126.04
14	A	844	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
14	1	817	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
14	b	3023	CLA	O2D-CGD-O1D	-3.10	117.79	123.84
14	j	1101	CLA	O2D-CGD-O1D	-3.10	117.79	123.84
14	a	832	CLA	CMB-C2B-C3B	3.09	130.47	124.68
14	b	3020	CLA	CMB-C2B-C3B	3.09	130.47	124.68
14	1	843	CLA	C4-C3-C5	3.09	120.47	115.27
14	2	3020	CLA	CMB-C2B-C3B	3.09	130.46	124.68
14	a	817	CLA	CMB-C2B-C3B	3.09	130.46	124.68
14	a	808	CLA	CHB-C4A-NA	3.09	128.78	124.51
14	b	3009	CLA	CMB-C2B-C1B	-3.09	123.72	128.46
14	a	819	CLA	O2D-CGD-O1D	-3.08	117.81	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	816	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
14	2	3009	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
14	a	826	CLA	O2D-CGD-O1D	-3.08	117.83	123.84
14	1	818	CLA	CMB-C2B-C3B	3.08	130.43	124.68
14	1	808	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	B	3009	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
16	l	209	BCR	C24-C23-C22	-3.07	121.60	126.23
14	1	833	CLA	CMB-C2B-C3B	3.07	130.42	124.68
14	A	820	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
16	0	210	BCR	C24-C23-C22	-3.07	121.60	126.23
14	1	809	CLA	CHB-C4A-NA	3.07	128.75	124.51
14	a	806	CLA	CHB-C4A-NA	3.07	128.75	124.51
16	F	205	BCR	C16-C15-C14	-3.06	117.20	123.47
14	a	807	CLA	CMB-C2B-C3B	3.06	130.41	124.68
14	1	844	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
14	A	818	CLA	CMB-C2B-C3B	3.06	130.40	124.68
16	f	205	BCR	C16-C15-C14	-3.06	117.21	123.47
14	A	809	CLA	CHB-C4A-NA	3.06	128.74	124.51
14	a	830	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	A	808	CLA	CMB-C2B-C3B	3.06	130.40	124.68
14	1	827	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	a	843	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	A	834	CLA	CHB-C4A-NA	3.06	128.74	124.51
16	I	102	BCR	C24-C23-C22	-3.05	121.62	126.23
14	1	831	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
14	A	807	CLA	CHB-C4A-NA	3.05	128.73	124.51
14	1	803	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
14	a	803	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	B	3020	CLA	CMB-C2B-C3B	3.04	130.37	124.68
16	6	205	BCR	C16-C15-C14	-3.04	117.24	123.47
14	b	3010	CLA	C1-C2-C3	-3.04	120.79	126.04
14	1	807	CLA	CHB-C4A-NA	3.04	128.71	124.51
14	A	827	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
14	A	831	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
14	B	3004	CLA	CMB-C2B-C3B	3.03	130.36	124.68
14	1	820	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	1	834	CLA	CHB-C4A-NA	3.03	128.71	124.51
14	a	833	CLA	CHB-C4A-NA	3.03	128.71	124.51
14	2	3004	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	b	3004	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	L	201	CLA	CHB-C4A-NA	3.03	128.70	124.51
14	A	825	CLA	O2D-CGD-O1D	-3.03	117.92	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3029	CLA	CMB-C2B-C3B	3.03	130.34	124.68
16	A	848	BCR	C27-C26-C25	3.02	127.12	122.73
14	B	3029	CLA	CMB-C2B-C3B	3.02	130.34	124.68
16	a	849	BCR	C15-C16-C17	-3.02	117.28	123.47
14	A	803	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
14	0	204	CLA	CHB-C4A-NA	3.02	128.69	124.51
14	1	825	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
14	B	3010	CLA	C1-C2-C3	-3.02	120.83	126.04
14	1	203	CLA	CHB-C4A-NA	3.02	128.68	124.51
16	A	850	BCR	C15-C16-C17	-3.02	117.30	123.47
14	2	3035	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
16	1	849	BCR	C15-C16-C17	-3.01	117.30	123.47
16	1	847	BCR	C27-C26-C25	3.01	127.11	122.73
14	a	824	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	2	3035	CLA	CMB-C2B-C3B	3.01	130.30	124.68
16	a	847	BCR	C27-C26-C25	3.01	127.09	122.73
14	2	3010	CLA	C1-C2-C3	-3.00	120.85	126.04
14	f	204	CLA	CMB-C2B-C3B	3.00	130.30	124.68
14	A	833	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
14	B	3035	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
14	2	3010	CLA	C3A-C2A-C1A	3.00	105.83	101.34
14	B	3024	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
14	b	3024	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
14	b	3040	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
14	2	3038	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
14	2	3029	CLA	CMB-C2B-C3B	2.99	130.28	124.68
14	B	3009	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	B	3012	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	2	3009	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	B	3038	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
14	2	3030	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	b	3030	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	B	3041	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
14	a	832	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
14	B	3012	CLA	C4-C3-C5	2.98	120.29	115.27
14	2	3040	CLA	O2D-CGD-O1D	-2.98	118.00	123.84
14	b	3010	CLA	C3A-C2A-C1A	2.98	105.81	101.34
14	B	3040	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	B	3035	CLA	CMB-C2B-C3B	2.98	130.25	124.68
14	A	828	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	2	3042	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	b	3042	CLA	O2D-CGD-O1D	-2.97	118.02	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	3041	CLA	O2D-CGD-O1D	-2.97	118.02	123.84
14	B	3030	CLA	CMB-C2B-C3B	2.97	130.24	124.68
14	b	3035	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	B	3042	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	b	3038	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	6	204	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	b	3035	CLA	CMB-C2B-C3B	2.97	130.23	124.68
14	1	833	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	A	841	CLA	CHB-C4A-NA	2.97	128.62	124.51
14	2	3024	CLA	O2D-CGD-O1D	-2.97	118.04	123.84
14	B	3010	CLA	C3A-C2A-C1A	2.97	105.78	101.34
14	6	204	CLA	CMB-C2B-C3B	2.97	130.23	124.68
14	2	3012	CLA	C4-C3-C5	2.97	120.26	115.27
14	b	3009	CLA	CMB-C2B-C3B	2.96	130.22	124.68
14	b	3012	CLA	C4-C3-C5	2.96	120.25	115.27
14	0	207	CLA	CHB-C4A-NA	2.96	128.60	124.51
16	B	3048	BCR	C15-C16-C17	-2.96	117.41	123.47
14	b	3012	CLA	CMB-C2B-C3B	2.96	130.21	124.68
14	a	827	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
16	2	3048	BCR	C15-C16-C17	-2.96	117.42	123.47
16	b	3048	BCR	C15-C16-C17	-2.96	117.42	123.47
14	a	840	CLA	CHB-C4A-NA	2.95	128.60	124.51
14	b	3041	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
14	A	835	CLA	CHB-C4A-NA	2.95	128.60	124.51
14	0	204	CLA	CMB-C2B-C3B	2.95	130.20	124.68
14	A	843	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
14	1	819	CLA	CMB-C2B-C3B	2.95	130.20	124.68
14	0	208	CLA	CMB-C2B-C3B	2.95	130.20	124.68
14	X	1701	CLA	CMB-C2B-C3B	2.95	130.20	124.68
14	F	204	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
14	a	838	CLA	O2D-CGD-CBD	2.95	116.51	111.27
14	F	204	CLA	CMB-C2B-C3B	2.95	130.19	124.68
14	L	201	CLA	CMB-C2B-C3B	2.95	130.19	124.68
14	A	809	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	1	809	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	1	206	CLA	CHB-C4A-NA	2.95	128.59	124.51
14	x	1701	CLA	CMB-C2B-C3B	2.94	130.19	124.68
14	2	3012	CLA	CMB-C2B-C3B	2.94	130.19	124.68
14	a	819	CLA	CHB-C4A-NA	2.94	128.58	124.51
14	a	808	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	1	843	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
16	1	209	BCR	C2-C1-C6	2.94	115.01	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	l	203	CLA	CMB-C2B-C3B	2.94	130.18	124.68
14	a	842	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	l	820	CLA	CHB-C4A-NA	2.94	128.58	124.51
14	z	1701	CLA	CMB-C2B-C3B	2.94	130.17	124.68
14	l	828	CLA	O2D-CGD-O1D	-2.94	118.10	123.84
14	b	3036	CLA	C2D-C1D-ND	-2.93	107.94	110.10
14	a	828	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
14	l	835	CLA	CHB-C4A-NA	2.93	128.57	124.51
14	A	834	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	f	204	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	A	839	CLA	O2D-CGD-CBD	2.93	116.48	111.27
14	l	841	CLA	CHB-C4A-NA	2.93	128.56	124.51
14	l	834	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
16	A	852	BCR	C15-C16-C17	-2.93	117.47	123.47
14	a	834	CLA	CHB-C4A-NA	2.93	128.56	124.51
14	A	819	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	L	203	CLA	CHB-C4A-NA	2.93	128.56	124.51
16	I	102	BCR	C2-C1-C6	2.93	114.99	110.48
14	a	818	CLA	CMB-C2B-C3B	2.93	130.15	124.68
16	a	851	BCR	C15-C16-C17	-2.93	117.48	123.47
16	0	210	BCR	C2-C1-C6	2.93	114.98	110.48
14	l	207	CLA	CMB-C2B-C3B	2.92	130.15	124.68
14	2	3036	CLA	C2D-C1D-ND	-2.92	107.95	110.10
14	l	839	CLA	O2D-CGD-CBD	2.92	116.46	111.27
16	l	851	BCR	C15-C16-C17	-2.92	117.50	123.47
14	L	204	CLA	CMB-C2B-C3B	2.92	130.14	124.68
14	b	3021	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
14	A	820	CLA	CHB-C4A-NA	2.91	128.54	124.51
14	B	3021	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
14	B	3033	CLA	CAC-C3C-C4C	2.91	128.59	124.81
14	B	3036	CLA	C2D-C1D-ND	-2.91	107.96	110.10
14	A	829	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
14	l	829	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
14	a	821	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
14	l	826	CLA	O2D-CGD-O1D	-2.90	118.16	123.84
14	B	3008	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	A	826	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	2	3021	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	l	829	CLA	C1B-CHB-C4A	-2.90	124.38	130.12
14	2	3008	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	a	833	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
14	2	3033	CLA	CAC-C3C-C4C	2.89	128.56	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	825	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	b	3033	CLA	CAC-C3C-C4C	2.89	128.56	124.81
14	A	822	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	2	3011	CLA	CHB-C4A-NA	2.89	128.50	124.51
14	a	828	CLA	C1B-CHB-C4A	-2.89	124.40	130.12
14	B	3029	CLA	C1B-CHB-C4A	-2.88	124.40	130.12
14	b	3029	CLA	C1B-CHB-C4A	-2.88	124.40	130.12
14	A	827	CLA	CAA-C2A-C1A	-2.88	102.53	111.97
14	B	3014	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	a	826	CLA	CAA-C2A-C1A	-2.88	102.53	111.97
14	b	3037	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	b	3014	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	1	827	CLA	CAA-C2A-C1A	-2.88	102.54	111.97
14	2	3036	CLA	C1-C2-C3	-2.88	122.09	126.75
14	2	3014	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	A	829	CLA	C1B-CHB-C4A	-2.88	124.42	130.12
14	b	3036	CLA	C1-C2-C3	-2.88	122.10	126.75
14	a	836	CLA	CMB-C2B-C3B	2.87	130.06	124.68
14	B	3037	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	A	810	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	1	822	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	B	3021	CLA	CMB-C2B-C3B	2.87	130.05	124.68
14	a	809	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	2	3037	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	B	3017	CLA	O2D-CGD-CBD	2.87	116.36	111.27
14	2	3029	CLA	C1B-CHB-C4A	-2.87	124.44	130.12
14	A	837	CLA	CMB-C2B-C3B	2.87	130.04	124.68
14	a	813	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	1	812	CLA	CMB-C2B-C3B	2.86	130.03	124.68
14	a	816	CLA	CMB-C2B-C3B	2.86	130.03	124.68
14	2	3017	CLA	O2D-CGD-CBD	2.86	116.35	111.27
14	b	3010	CLA	O2A-CGA-O1A	-2.86	116.38	123.59
14	1	810	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
14	b	3011	CLA	CHB-C4A-NA	2.86	128.46	124.51
14	2	3010	CLA	O2A-CGA-O1A	-2.85	116.39	123.59
14	A	814	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	1	814	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	b	3033	CLA	CMB-C2B-C3B	2.85	130.02	124.68
14	1	837	CLA	CMB-C2B-C3B	2.85	130.02	124.68
14	a	814	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	A	806	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	6	203	CLA	O2D-CGD-O1D	-2.85	118.27	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	817	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	f	203	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	2	3021	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	A	817	CLA	CMB-C2B-C3B	2.85	130.00	124.68
14	B	3040	CLA	CMB-C2B-C1B	-2.85	124.09	128.46
14	b	3008	CLA	CHB-C4A-NA	2.84	128.44	124.51
14	1	815	CLA	CMB-C2B-C3B	2.84	130.00	124.68
14	B	3036	CLA	C1-C2-C3	-2.84	122.16	126.75
14	B	3010	CLA	O2A-CGA-O1A	-2.84	116.42	123.59
14	b	3021	CLA	CMB-C2B-C3B	2.84	129.99	124.68
14	2	3033	CLA	CMB-C2B-C3B	2.84	129.99	124.68
14	a	811	CLA	CMB-C2B-C3B	2.84	129.99	124.68
16	B	3044	BCR	C24-C23-C22	-2.84	121.95	126.23
14	B	3011	CLA	CHB-C4A-NA	2.84	128.43	124.51
14	b	3022	CLA	CHB-C4A-NA	2.84	128.43	124.51
14	A	815	CLA	CMB-C2B-C3B	2.84	129.98	124.68
14	B	3005	CLA	O2D-CGD-O1D	-2.84	118.30	123.84
14	b	3040	CLA	CMB-C2B-C1B	-2.83	124.11	128.46
14	B	3033	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	b	3017	CLA	O2D-CGD-CBD	2.83	116.30	111.27
14	1	806	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	2	3025	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	B	3004	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	k	101	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	b	3005	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	2	3040	CLA	CMB-C2B-C1B	-2.82	124.12	128.46
14	J	101	CLA	CHB-C4A-NA	2.82	128.41	124.51
16	b	3044	BCR	C24-C23-C22	-2.82	121.97	126.23
14	F	203	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	a	805	CLA	CMB-C2B-C3B	2.82	129.95	124.68
14	2	3022	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	2	3005	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	9	101	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
16	2	3044	BCR	C24-C23-C22	-2.81	121.99	126.23
14	A	812	CLA	CMB-C2B-C3B	2.81	129.94	124.68
14	j	1102	CLA	CHB-C4A-NA	2.81	128.40	124.51
14	A	838	CLA	C1-C2-C3	-2.81	121.19	126.04
14	2	3009	CLA	CHB-C4A-NA	2.81	128.39	124.51
14	a	818	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	8	101	CLA	CHB-C4A-NA	2.80	128.39	124.51
14	A	838	CLA	CHB-C4A-NA	2.80	128.39	124.51
14	6	201	CLA	O2D-CGD-O1D	-2.80	118.36	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3007	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	A	819	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
20	2	3050	LMG	O6-C1-O1	-2.80	103.34	109.97
14	1	838	CLA	C1-C2-C3	-2.80	121.20	126.04
14	2	3026	CLA	CHD-C1D-ND	-2.80	121.88	124.45
14	1	819	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	b	3004	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	B	3022	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	A	839	CLA	CMB-C2B-C3B	2.80	129.91	124.68
14	a	837	CLA	C1-C2-C3	-2.80	121.21	126.04
14	a	823	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	1	805	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	B	3025	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	b	3025	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	a	838	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	2	3007	CLA	CHB-C4A-NA	2.79	128.37	124.51
17	2	3051	LHG	O8-C23-C24	2.79	120.65	111.91
20	B	3050	LMG	O6-C1-O1	-2.79	103.38	109.97
14	2	3004	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
17	b	3051	LHG	O8-C23-C24	2.78	120.65	111.91
14	B	3034	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	B	3009	CLA	CHB-C4A-NA	2.78	128.36	124.51
14	B	3015	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	A	824	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	x	1701	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	b	3007	CLA	CHB-C4A-NA	2.78	128.36	124.51
20	b	3050	LMG	O6-C1-O1	-2.78	103.39	109.97
14	z	1701	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	K	101	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
14	b	3026	CLA	CHD-C1D-ND	-2.78	121.90	124.45
14	1	824	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
14	1	839	CLA	CMB-C2B-C3B	2.78	129.88	124.68
13	1	801	CL0	CHB-C4A-NA	2.78	128.35	124.51
14	a	804	CLA	CHB-C4A-NA	2.78	128.35	124.51
14	b	3015	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
13	a	801	CL0	CHB-C4A-NA	2.77	128.35	124.51
14	f	201	CLA	O2D-CGD-O1D	-2.77	118.41	123.84
14	X	1701	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
16	2	3048	BCR	C27-C26-C25	2.77	126.76	122.73
17	B	3051	LHG	O8-C23-C24	2.77	120.61	111.91
14	B	3008	CLA	CMB-C2B-C1B	-2.77	124.21	128.46
14	a	823	CLA	CMB-C2B-C3B	2.77	129.85	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3025	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	a	837	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	b	3028	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
14	1	838	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	2	3028	CLA	C1B-CHB-C4A	-2.76	124.66	130.12
16	b	3048	BCR	C27-C26-C25	2.76	126.73	122.73
14	b	3030	CLA	O2D-CGD-CBD	2.76	116.17	111.27
14	F	201	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
14	b	3034	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
14	2	3034	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
14	2	3028	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
17	a	852	LHG	O8-C23-C24	2.75	120.55	111.91
13	A	801	CL0	CHB-C4A-NA	2.75	128.32	124.51
14	A	831	CLA	CHB-C4A-NA	2.75	128.32	124.51
14	b	3009	CLA	CHB-C4A-NA	2.75	128.32	124.51
16	B	3048	BCR	C27-C26-C25	2.75	126.73	122.73
14	A	805	CLA	CHB-C4A-NA	2.75	128.32	124.51
17	A	853	LHG	O8-C23-C24	2.75	120.54	111.91
14	B	3028	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
14	b	3017	CLA	CHB-C4A-NA	2.75	128.31	124.51
16	2	3048	BCR	C38-C26-C25	-2.75	121.44	124.53
14	B	3026	CLA	CHD-C1D-ND	-2.75	121.93	124.45
14	2	3015	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
14	1	804	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	B	3031	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
14	A	802	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	b	3008	CLA	CMB-C2B-C1B	-2.75	124.24	128.46
14	A	824	CLA	CMB-C2B-C3B	2.75	129.81	124.68
17	1	852	LHG	O8-C23-C24	2.74	120.52	111.91
14	b	3028	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	B	3030	CLA	O2D-CGD-CBD	2.74	116.14	111.27
14	b	3031	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	1	824	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	2	3030	CLA	O2D-CGD-CBD	2.74	116.14	111.27
14	a	820	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	1	827	CLA	CHD-C1D-ND	-2.74	121.94	124.45
14	A	804	CLA	CHB-C4A-NA	2.74	128.30	124.51
16	2	3049	BCR	C15-C16-C17	-2.74	117.87	123.47
14	2	3008	CLA	CMB-C2B-C1B	-2.74	124.26	128.46
14	1	802	CLA	CHB-C4A-NA	2.74	128.30	124.51
16	B	3053	BCR	C2-C1-C6	2.73	114.69	110.48
14	B	3006	CLA	C1-C2-C3	-2.73	121.31	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	J	101	CLA	O2D-CGD-O1D	-2.73	118.49	123.84
16	b	3049	BCR	C15-C16-C17	-2.73	117.88	123.47
16	B	3046	BCR	C24-C23-C22	-2.73	122.11	126.23
16	j	1106	BCR	C38-C26-C25	-2.73	121.46	124.53
17	0	201	LHG	O8-C23-C24	2.73	120.48	111.91
14	B	3028	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	8	101	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	1	831	CLA	CHB-C4A-NA	2.73	128.29	124.51
17	L	207	LHG	O8-C23-C24	2.73	120.47	111.91
14	B	3017	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	2	3042	CLA	CHB-C4A-NA	2.73	128.29	124.51
13	A	801	CL0	CMB-C2B-C3B	2.73	129.78	124.68
14	2	3025	CLA	CHB-C4A-NA	2.73	128.28	124.51
14	j	1102	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
16	B	3053	BCR	C38-C26-C25	-2.73	121.47	124.53
16	2	3052	BCR	C38-C26-C25	-2.73	121.47	124.53
14	2	3006	CLA	C1-C2-C3	-2.73	121.33	126.04
14	2	3006	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	a	840	CLA	CMB-C2B-C3B	2.72	129.78	124.68
14	2	3020	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
14	2	3031	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
14	A	841	CLA	CMB-C2B-C3B	2.72	129.77	124.68
14	B	3020	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
14	B	3020	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
13	1	801	CL0	CMB-C2B-C3B	2.72	129.77	124.68
14	L	203	CLA	O2D-CGD-CBD	2.72	116.10	111.27
14	j	1101	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	2	3017	CLA	CHB-C4A-NA	2.72	128.27	124.51
14	1	816	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	A	827	CLA	CHD-C1D-ND	-2.72	121.95	124.45
14	1	821	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	a	839	CLA	CMB-C2B-C1B	-2.72	124.29	128.46
14	1	841	CLA	CMB-C2B-C3B	2.72	129.76	124.68
16	B	3048	BCR	C38-C26-C25	-2.72	121.48	124.53
14	B	3042	CLA	CHB-C4A-NA	2.72	128.27	124.51
14	b	3025	CLA	CHB-C4A-NA	2.72	128.27	124.51
14	2	3029	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
17	l	201	LHG	O8-C23-C24	2.71	120.43	111.91
14	a	830	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	l	206	CLA	O2D-CGD-CBD	2.71	116.09	111.27
16	B	3049	BCR	C15-C16-C17	-2.71	117.92	123.47
14	A	816	CLA	O2D-CGD-O1D	-2.71	118.54	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	j	1106	BCR	C2-C1-C6	2.71	114.65	110.48
14	1	836	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
16	b	3046	BCR	C24-C23-C22	-2.71	122.14	126.23
14	1	807	CLA	O1D-CGD-CBD	2.71	130.03	124.48
16	a	850	BCR	C2-C1-C6	2.71	114.65	110.48
14	0	207	CLA	O2D-CGD-CBD	2.71	116.08	111.27
14	a	802	CLA	CHB-C4A-NA	2.71	128.25	124.51
16	2	3049	BCR	C16-C15-C14	-2.71	117.93	123.47
14	A	821	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
14	a	815	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
14	a	835	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
14	2	3041	CLA	CMB-C2B-C3B	2.70	129.74	124.68
16	2	3052	BCR	C2-C1-C6	2.70	114.64	110.48
14	b	3006	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	b	3006	CLA	C1-C2-C3	-2.70	121.38	126.04
14	f	204	CLA	C1-C2-C3	-2.70	122.39	126.75
14	2	3020	CLA	C1B-CHB-C4A	-2.70	124.77	130.12
16	b	3049	BCR	C16-C15-C14	-2.70	117.95	123.47
14	b	3020	CLA	C1B-CHB-C4A	-2.70	124.77	130.12
14	1	815	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	B	3041	CLA	CMB-C2B-C3B	2.70	129.72	124.68
14	A	855	CLA	CMB-C2B-C1B	-2.70	124.32	128.46
14	2	3038	CLA	CHB-C4A-NA	2.70	128.24	124.51
16	2	3046	BCR	C24-C23-C22	-2.70	122.16	126.23
14	b	3042	CLA	CHB-C4A-NA	2.70	128.24	124.51
16	1	850	BCR	C2-C1-C6	2.69	114.63	110.48
14	A	840	CLA	CMB-C2B-C1B	-2.69	124.33	128.46
14	A	836	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
16	b	3048	BCR	C38-C26-C25	-2.69	121.51	124.53
14	b	3029	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
13	a	801	CL0	CMB-C2B-C3B	2.69	129.71	124.68
14	B	3006	CLA	CHB-C4A-NA	2.69	128.23	124.51
16	y	101	BCR	C37-C22-C21	-2.68	119.17	122.92
14	A	815	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
16	A	852	BCR	C7-C8-C9	-2.68	122.18	126.23
14	a	806	CLA	O1D-CGD-CBD	2.68	129.97	124.48
14	b	3020	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
14	B	3013	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
14	1	830	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	B	3029	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
14	a	823	CLA	CHD-C1D-ND	-2.68	121.99	124.45
16	b	3047	BCR	C27-C26-C25	2.68	126.62	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	3012	CLA	CHB-C4A-NA	2.68	128.21	124.51
16	B	3049	BCR	C16-C15-C14	-2.68	117.99	123.47
16	a	851	BCR	C7-C8-C9	-2.67	122.19	126.23
16	1	851	BCR	C7-C8-C9	-2.67	122.19	126.23
14	b	3038	CLA	CHB-C4A-NA	2.67	128.21	124.51
14	a	826	CLA	CHD-C1D-ND	-2.67	122.00	124.45
16	2	3047	BCR	C27-C26-C25	2.67	126.61	122.73
14	b	3041	CLA	CMB-C2B-C3B	2.67	129.68	124.68
14	A	807	CLA	O1D-CGD-CBD	2.67	129.95	124.48
14	b	3013	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	1	840	CLA	CMB-C2B-C1B	-2.67	124.36	128.46
14	0	203	CLA	CMB-C2B-C1B	-2.67	124.36	128.46
14	2	3005	CLA	CHB-C4A-NA	2.67	128.20	124.51
16	A	851	BCR	C2-C1-C6	2.67	114.59	110.48
14	A	821	CLA	CHB-C4A-NA	2.67	128.20	124.51
14	1	815	CLA	CHD-C1D-ND	-2.67	122.00	124.45
16	0	205	BCR	C37-C22-C21	-2.67	119.19	122.92
14	b	3033	CLA	CHB-C4A-NA	2.66	128.20	124.51
16	B	3047	BCR	C27-C26-C25	2.66	126.60	122.73
14	b	3005	CLA	CHB-C4A-NA	2.66	128.19	124.51
16	F	202	BCR	C15-C16-C17	-2.66	118.02	123.47
14	2	3031	CLA	CHD-C1D-ND	-2.66	122.01	124.45
16	f	202	BCR	C15-C16-C17	-2.66	118.02	123.47
14	B	3038	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	b	3006	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
14	A	826	CLA	C6-C5-C3	2.66	120.43	113.45
14	2	3006	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
14	1	824	CLA	CHD-C1D-ND	-2.66	122.01	124.45
14	1	821	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	a	814	CLA	CHD-C1D-ND	-2.66	122.01	124.45
14	1	826	CLA	C6-C5-C3	2.66	120.42	113.45
14	F	204	CLA	C1-C2-C3	-2.66	122.45	126.75
14	a	825	CLA	C6-C5-C3	2.66	120.42	113.45
14	6	204	CLA	C1-C2-C3	-2.66	122.45	126.75
14	a	837	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
14	a	814	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
16	6	202	BCR	C15-C16-C17	-2.66	118.03	123.47
14	1	818	CLA	O2D-CGD-CBD	2.66	115.99	111.27
14	2	3013	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
14	B	3016	CLA	O2D-CGD-O1D	-2.65	118.65	123.84
14	A	818	CLA	O2D-CGD-CBD	2.65	115.98	111.27
14	a	823	CLA	CHB-C4A-NA	2.65	128.18	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3024	CLA	CHB-C4A-NA	2.65	128.18	124.51
16	2	3049	BCR	C27-C26-C25	2.65	126.58	122.73
14	a	814	CLA	CHB-C4A-NA	2.65	128.18	124.51
14	a	820	CLA	CHB-C4A-NA	2.65	128.18	124.51
14	M	1601	CLA	CMB-C2B-C1B	-2.65	124.39	128.46
14	1	819	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
14	A	824	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	B	3031	CLA	CHD-C1D-ND	-2.65	122.02	124.45
14	B	3005	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	A	808	CLA	CHD-C1D-ND	-2.64	122.02	124.45
14	2	3026	CLA	C1B-CHB-C4A	-2.64	124.88	130.12
14	2	3024	CLA	CHB-C4A-NA	2.64	128.17	124.51
14	B	3006	CLA	O2D-CGD-O1D	-2.64	118.67	123.84
14	B	3020	CLA	CHB-C4A-NA	2.64	128.17	124.51
14	A	819	CLA	C1B-CHB-C4A	-2.64	124.88	130.12
16	B	3049	BCR	C27-C26-C25	2.64	126.57	122.73
14	A	815	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B	3033	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	B	3018	CLA	CHB-C4A-NA	2.64	128.16	124.51
16	l	204	BCR	C37-C22-C21	-2.64	119.23	122.92
14	A	838	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
14	A	824	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	a	817	CLA	O2D-CGD-CBD	2.64	115.96	111.27
16	b	3049	BCR	C27-C26-C25	2.64	126.56	122.73
14	b	3024	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	a	818	CLA	C1B-CHB-C4A	-2.64	124.90	130.12
14	b	3026	CLA	C1B-CHB-C4A	-2.64	124.90	130.12
14	1	838	CLA	O2D-CGD-O1D	-2.64	118.69	123.84
14	b	3012	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	B	3010	CLA	CMB-C2B-C3B	2.63	129.61	124.68
14	2	3010	CLA	CMB-C2B-C3B	2.63	129.60	124.68
14	1	822	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
14	b	3008	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
14	2	3016	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
16	i	101	BCR	C15-C16-C17	-2.63	118.08	123.47
14	B	3012	CLA	CHB-C4A-NA	2.63	128.15	124.51
14	b	3036	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	B	3026	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
14	b	3016	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
16	I	101	BCR	C15-C16-C17	-2.63	118.10	123.47
16	M	1602	BCR	C37-C22-C21	-2.62	119.25	122.92
14	a	829	CLA	CHB-C4A-NA	2.62	128.14	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	829	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
14	a	812	CLA	CHB-C4A-NA	2.62	128.14	124.51
14	B	3008	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
14	A	822	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
16	A	849	BCR	C15-C16-C17	-2.62	118.11	123.47
14	a	821	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
14	2	3020	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	B	3036	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
16	B	3052	BCR	C37-C22-C21	-2.62	119.25	122.92
14	b	3010	CLA	CMB-C2B-C3B	2.62	129.58	124.68
14	A	841	CLA	C1-C2-C3	-2.62	121.51	126.04
14	2	3008	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	2	3036	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	A	830	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	a	822	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	1	813	CLA	CHB-C4A-NA	2.62	128.13	124.51
16	m	101	BCR	C37-C22-C21	-2.62	119.26	122.92
14	b	3031	CLA	CHD-C1D-ND	-2.62	122.05	124.45
14	a	802	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	1	824	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	A	813	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	2	3033	CLA	CHB-C4A-NA	2.61	128.13	124.51
14	1	841	CLA	C1-C2-C3	-2.61	121.52	126.04
14	a	807	CLA	CHD-C1D-ND	-2.61	122.05	124.45
14	A	830	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	1	808	CLA	O2D-CGD-CBD	2.61	115.91	111.27
14	2	3011	CLA	O1D-CGD-CBD	2.61	129.82	124.48
14	b	3018	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
16	j	1106	BCR	C15-C16-C17	-2.61	118.13	123.47
14	2	3018	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
14	2	3023	CLA	CHD-C1D-ND	-2.61	122.06	124.45
14	1	803	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
14	a	803	CLA	C1B-CHB-C4A	-2.61	124.96	130.12
14	b	3018	CLA	CHB-C4A-NA	2.61	128.12	124.51
14	1	830	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
16	7	101	BCR	C15-C16-C17	-2.60	118.14	123.47
16	1	848	BCR	C15-C16-C17	-2.60	118.14	123.47
16	a	848	BCR	C15-C16-C17	-2.60	118.14	123.47
14	1	823	CLA	CHB-C4A-NA	2.60	128.11	124.51
14	B	3021	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
16	j	1106	BCR	C11-C10-C9	-2.60	123.60	127.31
16	2	3052	BCR	C11-C10-C9	-2.60	123.60	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	823	CLA	CHB-C4A-NA	2.60	128.11	124.51
16	B	3053	BCR	C15-C16-C17	-2.60	118.15	123.47
16	B	3053	BCR	C11-C10-C9	-2.60	123.60	127.31
14	a	840	CLA	C1-C2-C3	-2.60	121.55	126.04
14	1	802	CLA	O2D-CGD-O1D	-2.60	118.76	123.84
14	A	815	CLA	CHB-C4A-NA	2.60	128.10	124.51
14	b	3021	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
14	1	840	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
14	a	839	CLA	CMB-C2B-C3B	2.59	129.53	124.68
14	L	205	CLA	O2D-CGD-CBD	2.59	115.88	111.27
14	b	3023	CLA	CHD-C1D-ND	-2.59	122.07	124.45
14	2	3018	CLA	CHB-C4A-NA	2.59	128.10	124.51
14	1	815	CLA	CHB-C4A-NA	2.59	128.10	124.51
14	a	803	CLA	CMB-C2B-C3B	2.59	129.53	124.68
16	k	103	BCR	C15-C16-C17	-2.59	118.16	123.47
16	2	3052	BCR	C15-C16-C17	-2.59	118.16	123.47
14	a	815	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	a	807	CLA	O2D-CGD-CBD	2.59	115.87	111.27
14	1	208	CLA	O2D-CGD-CBD	2.59	115.87	111.27
14	b	3011	CLA	O1D-CGD-CBD	2.59	129.78	124.48
14	A	808	CLA	O2D-CGD-CBD	2.59	115.87	111.27
14	1	818	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	2	3042	CLA	CMB-C2B-C3B	2.59	129.52	124.68
16	l	209	BCR	C29-C30-C25	2.59	114.46	110.48
14	A	841	CLA	O2D-CGD-CBD	2.59	115.86	111.27
14	B	3011	CLA	O1D-CGD-CBD	2.59	129.78	124.48
14	b	3020	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	1	808	CLA	CHD-C1D-ND	-2.59	122.08	124.45
14	B	3018	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
14	1	207	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	b	3018	CLA	CMB-C2B-C3B	2.58	129.51	124.68
14	0	208	CLA	CHB-C4A-NA	2.58	128.09	124.51
14	A	803	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
14	a	817	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	1	816	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	A	816	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	2	3021	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
14	B	3018	CLA	CMB-C2B-C3B	2.58	129.51	124.68
14	1	822	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	1	809	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
14	A	812	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
14	2	3018	CLA	CMB-C2B-C3B	2.58	129.50	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	b	3046	BCR	C27-C26-C25	2.58	126.47	122.73
16	1	849	BCR	C2-C1-C6	2.58	114.45	110.48
14	A	809	CLA	C1B-CHB-C4A	-2.58	125.02	130.12
14	L	204	CLA	CHB-C4A-NA	2.58	128.07	124.51
14	A	802	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
14	A	803	CLA	CMB-C2B-C3B	2.57	129.50	124.68
14	a	840	CLA	O2D-CGD-CBD	2.57	115.84	111.27
14	A	840	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
14	0	209	CLA	O2D-CGD-CBD	2.57	115.84	111.27
14	B	3042	CLA	CMB-C2B-C3B	2.57	129.49	124.68
16	0	210	BCR	C29-C30-C25	2.57	114.44	110.48
16	9	104	BCR	C15-C16-C17	-2.57	118.20	123.47
16	B	3046	BCR	C27-C26-C25	2.57	126.47	122.73
14	B	3027	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
14	1	840	CLA	CHB-C4A-NA	2.57	128.07	124.51
14	2	3036	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	1	812	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
16	K	103	BCR	C15-C16-C17	-2.57	118.22	123.47
14	1	841	CLA	O2D-CGD-CBD	2.57	115.83	111.27
16	m	101	BCR	C27-C26-C25	2.57	126.46	122.73
16	a	849	BCR	C2-C1-C6	2.57	114.43	110.48
14	a	808	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
14	a	842	CLA	C6-C7-C8	-2.57	107.63	115.92
16	I	102	BCR	C29-C30-C25	2.57	114.43	110.48
14	a	811	CLA	O2D-CGD-O1D	-2.56	118.82	123.84
14	A	840	CLA	CMB-C2B-C3B	2.56	129.47	124.68
14	b	3042	CLA	CMB-C2B-C3B	2.56	129.47	124.68
14	A	822	CLA	CHB-C4A-NA	2.56	128.06	124.51
14	1	803	CLA	CMB-C2B-C3B	2.56	129.47	124.68
14	B	3013	CLA	O2D-CGD-CBD	2.56	115.81	111.27
14	a	842	CLA	CMB-C2B-C3B	2.56	129.46	124.68
14	a	839	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
14	B	3036	CLA	CMB-C2B-C3B	2.56	129.46	124.68
14	1	840	CLA	CMB-C2B-C3B	2.56	129.46	124.68
14	b	3027	CLA	CHB-C4A-NA	2.56	128.05	124.51
16	A	850	BCR	C2-C1-C6	2.56	114.42	110.48
14	a	839	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	b	3036	CLA	CMB-C2B-C3B	2.55	129.46	124.68
14	b	3027	CLA	O2D-CGD-O1D	-2.55	118.84	123.84
14	B	3023	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	a	821	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	1	843	CLA	C6-C7-C8	-2.55	107.67	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	k	101	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	0	204	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
14	2	3027	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
14	2	3013	CLA	O2D-CGD-CBD	2.55	115.80	111.27
16	j	1105	BCR	C20-C21-C22	-2.55	123.67	127.31
14	l	203	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
14	B	3031	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
14	1	802	CLA	O2A-CGA-O1A	-2.54	117.17	123.59
20	B	3050	LMG	C1-O6-C5	-2.54	108.70	113.69
17	0	201	LHG	C27-C26-C25	-2.54	101.52	114.42
14	A	843	CLA	C6-C7-C8	-2.54	107.70	115.92
14	1	843	CLA	CMB-C2B-C3B	2.54	129.44	124.68
14	1	833	CLA	CHB-C4A-NA	2.54	128.03	124.51
14	a	826	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
14	B	3015	CLA	C5-C3-C2	2.54	126.25	121.12
14	a	810	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	a	802	CLA	O2A-CGA-O1A	-2.54	117.19	123.59
16	j	1105	BCR	C15-C16-C17	-2.54	118.27	123.47
17	L	207	LHG	C27-C26-C25	-2.54	101.54	114.42
14	b	3031	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
17	l	201	LHG	C27-C26-C25	-2.54	101.54	114.42
16	A	846	BCR	C15-C14-C13	-2.54	123.69	127.31
14	b	3013	CLA	O2D-CGD-CBD	2.54	115.78	111.27
14	A	840	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	2	3019	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
14	A	843	CLA	CMB-C2B-C3B	2.54	129.42	124.68
14	2	3015	CLA	C5-C3-C2	2.54	126.25	121.12
16	J	104	BCR	C15-C16-C17	-2.54	118.28	123.47
16	8	104	BCR	C15-C16-C17	-2.54	118.28	123.47
14	2	3003	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
20	2	3050	LMG	C1-O6-C5	-2.53	108.72	113.69
16	M	1602	BCR	C27-C26-C25	2.53	126.41	122.73
14	a	809	CLA	CHB-C4A-NA	2.53	128.01	124.51
16	B	3045	BCR	C15-C16-C17	-2.53	118.29	123.47
16	J	104	BCR	C20-C21-C22	-2.53	123.70	127.31
16	8	104	BCR	C20-C21-C22	-2.53	123.70	127.31
14	A	811	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	1	811	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	B	3042	CLA	CMC-C2C-C1C	-2.53	121.19	125.04
14	b	3042	CLA	CMC-C2C-C1C	-2.53	121.19	125.04
14	B	3003	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	2	3032	CLA	CHB-C4A-NA	2.53	128.01	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	l	202	LHG	O8-C23-C24	2.53	119.84	111.91
20	b	3050	LMG	C1-O6-C5	-2.53	108.73	113.69
14	L	201	CLA	O2D-CGD-O1D	-2.53	118.90	123.84
14	A	802	CLA	O2A-CGA-O1A	-2.53	117.21	123.59
14	B	3016	CLA	C6-C5-C3	2.53	120.08	113.45
14	b	3003	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
16	2	3045	BCR	C15-C16-C17	-2.53	118.30	123.47
16	y	101	BCR	C27-C26-C25	2.53	126.40	122.73
14	A	818	CLA	CHD-C1D-ND	-2.52	122.13	124.45
16	2	3046	BCR	C27-C26-C25	2.52	126.40	122.73
14	2	3031	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
17	0	202	LHG	O8-C23-C24	2.52	119.83	111.91
14	B	3027	CLA	CHB-C4A-NA	2.52	128.00	124.51
14	9	101	CLA	CHB-C4A-NA	2.52	128.00	124.51
16	1	850	BCR	C15-C16-C17	-2.52	118.31	123.47
14	a	834	CLA	CMB-C2B-C1B	-2.52	124.59	128.46
14	A	826	CLA	CHB-C4A-NA	2.52	128.00	124.51
16	A	846	BCR	C24-C23-C22	-2.52	122.42	126.23
14	A	827	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
16	2	3052	BCR	C33-C5-C6	-2.52	121.70	124.53
14	b	3026	CLA	CAA-CBA-CGA	-2.52	105.89	113.25
16	0	210	BCR	C15-C16-C17	-2.52	118.31	123.47
14	2	3022	CLA	O2D-CGD-CBD	2.52	115.74	111.27
14	1	842	CLA	C1-C2-C3	-2.52	121.69	126.04
16	a	850	BCR	C15-C16-C17	-2.52	118.32	123.47
16	a	845	BCR	C15-C14-C13	-2.52	123.72	127.31
16	9	102	BCR	C20-C21-C22	-2.52	123.72	127.31
16	b	3045	BCR	C15-C16-C17	-2.52	118.32	123.47
17	L	208	LHG	O8-C23-C24	2.52	119.81	111.91
14	A	818	CLA	CHB-C4A-NA	2.52	127.99	124.51
14	1	835	CLA	CMB-C2B-C1B	-2.52	124.60	128.46
14	b	3016	CLA	C6-C5-C3	2.52	120.05	113.45
16	a	845	BCR	C20-C21-C22	-2.52	123.72	127.31
14	A	810	CLA	CHB-C4A-NA	2.52	127.99	124.51
16	j	1104	BCR	C15-C16-C17	-2.52	118.32	123.47
14	1	827	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
16	I	102	BCR	C15-C16-C17	-2.51	118.33	123.47
16	a	845	BCR	C24-C23-C22	-2.51	122.44	126.23
16	9	102	BCR	C15-C14-C13	-2.51	123.72	127.31
14	B	3019	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	A	835	CLA	CMB-C2B-C1B	-2.51	124.60	128.46
14	b	3022	CLA	O2D-CGD-CBD	2.51	115.73	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	3038	CLA	CMB-C2B-C3B	2.51	129.38	124.68
14	B	3026	CLA	CAA-CBA-CGA	-2.51	105.92	113.25
14	a	841	CLA	C1-C2-C3	-2.51	121.70	126.04
16	A	851	BCR	C15-C16-C17	-2.51	118.33	123.47
14	B	3042	CLA	C1-C2-C3	-2.51	121.70	126.04
14	B	3022	CLA	O2D-CGD-CBD	2.51	115.73	111.27
14	2	3042	CLA	CHD-C1D-ND	-2.51	122.15	124.45
14	2	3016	CLA	C6-C5-C3	2.51	120.03	113.45
14	b	3015	CLA	C5-C3-C2	2.51	126.19	121.12
16	8	103	BCR	C15-C16-C17	-2.51	118.33	123.47
14	b	3032	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	2	3023	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	2	3026	CLA	CAA-CBA-CGA	-2.51	105.92	113.25
14	b	3023	CLA	CHB-C4A-NA	2.51	127.98	124.51
16	2	3047	BCR	C15-C14-C13	-2.51	123.73	127.31
14	a	815	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
14	K	101	CLA	CHB-C4A-NA	2.51	127.98	124.51
16	6	205	BCR	C27-C26-C25	2.51	126.37	122.73
14	b	3042	CLA	C1-C2-C3	-2.51	121.71	126.04
14	A	811	CLA	O2D-CGD-O1D	-2.50	118.94	123.84
14	B	3023	CLA	CHB-C4A-NA	2.50	127.97	124.51
16	A	846	BCR	C20-C21-C22	-2.50	123.74	127.31
14	A	816	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
14	a	832	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	1	826	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	a	831	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	a	810	CLA	O2D-CGD-O1D	-2.50	118.95	123.84
16	J	103	BCR	C15-C16-C17	-2.50	118.35	123.47
16	9	102	BCR	C24-C23-C22	-2.50	122.46	126.23
16	l	209	BCR	C15-C16-C17	-2.50	118.36	123.47
16	j	1106	BCR	C33-C5-C6	-2.50	121.72	124.53
14	2	3042	CLA	CMC-C2C-C1C	-2.50	121.23	125.04
14	b	3006	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
16	B	3053	BCR	C33-C5-C6	-2.50	121.72	124.53
14	b	3018	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	b	3019	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	1	832	CLA	CHB-C4A-NA	2.50	127.96	124.51
14	A	832	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	2	3019	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	1	810	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	1	811	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
14	1	816	CLA	C1B-CHB-C4A	-2.49	125.18	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	842	CLA	C1-C2-C3	-2.49	121.73	126.04
14	2	3042	CLA	C1-C2-C3	-2.49	121.73	126.04
14	2	3006	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
14	B	3032	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	2	3027	CLA	CHB-C4A-NA	2.49	127.95	124.51
16	B	3053	BCR	C37-C22-C21	-2.49	119.44	122.92
20	b	3050	LMG	O3-C3-C2	-2.49	104.60	110.35
14	A	836	CLA	CHB-C4A-NA	2.48	127.95	124.51
16	B	3047	BCR	C15-C14-C13	-2.48	123.77	127.31
14	a	825	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	9	101	CLA	CMB-C2B-C3B	2.48	129.32	124.68
14	B	3018	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
14	b	3038	CLA	CMB-C2B-C3B	2.48	129.32	124.68
14	A	833	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	b	3015	CLA	C6-C5-C3	2.48	119.96	113.45
14	1	825	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	B	3038	CLA	CMB-C2B-C3B	2.48	129.31	124.68
14	1	838	CLA	CAC-C3C-C4C	2.48	128.02	124.81
14	a	833	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	B	3026	CLA	C1-C2-C3	-2.48	121.76	126.04
14	B	3006	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	a	835	CLA	CMB-C2B-C3B	2.47	129.31	124.68
16	A	848	BCR	C36-C18-C17	-2.47	119.46	122.92
14	a	817	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	1	804	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	B	3019	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	K	101	CLA	CMB-C2B-C3B	2.47	129.30	124.68
14	1	836	CLA	CMB-C2B-C3B	2.47	129.30	124.68
16	j	1106	BCR	C37-C22-C21	-2.47	119.46	122.92
14	1	837	CLA	O2D-CGD-O1D	-2.47	119.01	123.84
14	2	3018	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	A	834	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
16	F	205	BCR	C27-C26-C25	2.47	126.31	122.73
16	b	3047	BCR	C15-C14-C13	-2.47	123.79	127.31
20	2	3050	LMG	O3-C3-C2	-2.47	104.64	110.35
14	1	843	CLA	CHB-C4A-NA	2.47	127.92	124.51
14	B	3015	CLA	C6-C5-C3	2.47	119.92	113.45
20	B	3050	LMG	O3-C3-C2	-2.47	104.65	110.35
16	a	849	BCR	C16-C15-C14	-2.47	118.42	123.47
16	1	847	BCR	C36-C18-C17	-2.47	119.47	122.92
14	b	3019	CLA	CHB-C4A-NA	2.47	127.92	124.51
14	j	1103	CLA	C1B-CHB-C4A	-2.46	125.24	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	818	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	8	102	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
16	a	846	BCR	C30-C25-C26	-2.46	119.14	122.61
14	2	3019	CLA	C4-C3-C5	2.46	119.41	115.27
14	A	838	CLA	CAC-C3C-C4C	2.46	128.00	124.81
16	A	850	BCR	C16-C15-C14	-2.46	118.43	123.47
14	A	837	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
16	B	3049	BCR	C2-C1-C6	2.46	114.27	110.48
14	b	3019	CLA	C4-C3-C5	2.46	119.41	115.27
14	J	102	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
16	1	849	BCR	C27-C26-C25	2.46	126.30	122.73
14	1	834	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	a	826	CLA	CHB-C4A-NA	2.46	127.91	124.51
16	1	849	BCR	C16-C15-C14	-2.46	118.44	123.47
16	f	205	BCR	C27-C26-C25	2.46	126.30	122.73
16	2	3052	BCR	C27-C26-C25	2.45	126.29	122.73
14	B	3019	CLA	C4-C3-C5	2.45	119.40	115.27
16	1	846	BCR	C30-C25-C26	-2.45	119.16	122.61
14	B	3042	CLA	CHD-C1D-ND	-2.45	122.20	124.45
16	b	3049	BCR	C2-C1-C6	2.45	114.25	110.48
16	b	3046	BCR	C7-C8-C9	-2.45	122.53	126.23
14	2	3026	CLA	C1-C2-C3	-2.45	121.80	126.04
14	A	819	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	b	3028	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	A	824	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	A	836	CLA	CMB-C2B-C3B	2.45	129.26	124.68
14	A	804	CLA	CHD-C1D-ND	-2.45	122.20	124.45
14	B	3024	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	1	818	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
16	2	3052	BCR	C37-C22-C21	-2.45	119.49	122.92
14	A	820	CLA	O2D-CGD-CBD	2.45	115.62	111.27
14	1	812	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	1	819	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	a	819	CLA	O2D-CGD-CBD	2.45	115.62	111.27
14	2	3011	CLA	O2D-CGD-O1D	-2.45	119.05	123.84
14	1	834	CLA	CHD-C1D-ND	-2.45	122.20	124.45
14	a	824	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
16	0	205	BCR	C8-C7-C6	-2.45	120.33	127.20
14	A	827	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	2	3015	CLA	C6-C5-C3	2.45	119.87	113.45
16	2	3049	BCR	C2-C1-C6	2.45	114.25	110.48
14	L	204	CLA	C1B-CHB-C4A	-2.45	125.27	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	825	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	2	3013	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	k	101	CLA	CMB-C2B-C3B	2.44	129.25	124.68
14	a	823	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
16	6	205	BCR	C38-C26-C25	-2.44	121.78	124.53
14	2	3028	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	A	812	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	a	837	CLA	CAC-C3C-C4C	2.44	127.98	124.81
14	2	3024	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	1	820	CLA	O2D-CGD-CBD	2.44	115.61	111.27
14	l	207	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	b	3034	CLA	C4-C3-C5	2.44	119.38	115.27
14	B	3011	CLA	O2D-CGD-O1D	-2.44	119.07	123.84
14	1	824	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	a	836	CLA	O2D-CGD-O1D	-2.44	119.07	123.84
14	A	806	CLA	O2A-CGA-O1A	-2.44	117.44	123.59
14	a	842	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	2	3005	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	B	3041	CLA	C3A-C2A-C1A	2.44	104.99	101.34
14	b	3014	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	1	818	CLA	CHD-C1D-ND	-2.44	122.21	124.45
14	a	835	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	k	102	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	1	842	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	B	3028	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	b	3026	CLA	C1-C2-C3	-2.44	121.83	126.04
14	9	103	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	B	3042	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	0	208	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
16	l	204	BCR	C8-C7-C6	-2.43	120.36	127.20
16	j	1106	BCR	C27-C26-C25	2.43	126.27	122.73
14	1	806	CLA	O2A-CGA-O1A	-2.43	117.45	123.59
16	B	3053	BCR	C27-C26-C25	2.43	126.26	122.73
14	B	3034	CLA	C4-C3-C5	2.43	119.36	115.27
16	B	3052	BCR	C8-C7-C6	-2.43	120.37	127.20
14	a	817	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	a	819	CLA	C1-C2-C3	-2.43	121.84	126.04
14	a	804	CLA	O2D-CGD-CBD	2.43	115.59	111.27
14	2	3014	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	2	3004	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	b	3005	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	1	836	CLA	CHB-C4A-NA	2.43	127.87	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	841	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	b	3024	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	A	828	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	K	102	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	A	834	CLA	CHD-C1D-ND	-2.43	122.22	124.45
14	B	3007	CLA	CHD-C1D-ND	-2.43	122.22	124.45
17	0	202	LHG	C11-C10-C9	-2.43	102.11	114.42
16	a	849	BCR	C27-C26-C25	2.43	126.25	122.73
14	A	818	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	A	814	CLA	CHB-C4A-NA	2.43	127.87	124.51
17	l	202	LHG	C11-C10-C9	-2.43	102.11	114.42
14	1	805	CLA	O2D-CGD-CBD	2.42	115.58	111.27
14	2	3041	CLA	C3A-C2A-C1A	2.42	104.97	101.34
14	B	3035	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	b	3004	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	b	3013	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	1	814	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	2	3042	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	B	3014	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
17	L	208	LHG	C11-C10-C9	-2.42	102.12	114.42
14	A	843	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	2	3035	CLA	CHB-C4A-NA	2.42	127.86	124.51
16	f	202	BCR	C2-C1-C6	2.42	114.21	110.48
14	A	842	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
16	a	847	BCR	C36-C18-C17	-2.42	119.53	122.92
14	a	827	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	2	3034	CLA	C4-C3-C5	2.42	119.35	115.27
14	b	3042	CLA	CHD-C1D-ND	-2.42	122.23	124.45
16	A	847	BCR	C30-C25-C26	-2.42	119.20	122.61
16	F	202	BCR	C2-C1-C6	2.42	114.21	110.48
14	A	832	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	1	832	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
16	B	3046	BCR	C7-C8-C9	-2.42	122.58	126.23
14	A	820	CLA	C1-C2-C3	-2.42	121.86	126.04
14	l	208	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
16	A	850	BCR	C27-C26-C25	2.42	126.24	122.73
14	b	3035	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	b	3041	CLA	C3A-C2A-C1A	2.42	104.96	101.34
14	a	833	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	A	805	CLA	O2D-CGD-CBD	2.42	115.56	111.27
14	a	811	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	b	3011	CLA	O2D-CGD-O1D	-2.41	119.12	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3041	CLA	CHB-C4A-NA	2.41	127.85	124.51
14	b	3042	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	b	3040	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	2	3039	CLA	C5-C3-C2	2.41	126.00	121.12
16	F	205	BCR	C38-C26-C25	-2.41	121.82	124.53
14	A	835	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
16	6	202	BCR	C2-C1-C6	2.41	114.19	110.48
14	B	3004	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	A	839	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	0	209	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	1	827	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	B	3039	CLA	C5-C3-C2	2.41	125.99	121.12
14	B	3005	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	1	839	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	L	205	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	1	814	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	2	3040	CLA	C1B-CHB-C4A	-2.40	125.35	130.12
14	a	805	CLA	O2A-CGA-O1A	-2.40	117.52	123.59
14	a	834	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
16	2	3046	BCR	C7-C8-C9	-2.40	122.61	126.23
14	a	813	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	b	3014	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	A	839	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	B	3013	CLA	CHB-C4A-NA	2.40	127.83	124.51
17	a	852	LHG	C20-C19-C18	-2.40	102.25	114.42
14	b	3039	CLA	C5-C3-C2	2.40	125.97	121.12
16	f	205	BCR	C38-C26-C25	-2.40	121.84	124.53
14	b	3021	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	1	839	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	1	844	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	a	831	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	b	3033	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
17	A	853	LHG	C20-C19-C18	-2.40	102.26	114.42
14	1	820	CLA	C1-C2-C3	-2.39	121.90	126.04
14	a	813	CLA	C1B-CHB-C4A	-2.39	125.37	130.12
14	1	830	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
16	I	101	BCR	C27-C26-C25	2.39	126.21	122.73
16	7	101	BCR	C27-C26-C25	2.39	126.21	122.73
14	2	3021	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	B	3014	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	1	828	CLA	CHB-C4A-NA	2.39	127.82	124.51
17	1	852	LHG	C20-C19-C18	-2.39	102.28	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	814	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	2	3007	CLA	CHD-C1D-ND	-2.39	122.26	124.45
16	a	845	BCR	C15-C16-C17	-2.39	118.58	123.47
14	2	3014	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	1	825	CLA	CHB-C4A-NA	2.39	127.81	124.51
14	1	835	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	a	843	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	b	3007	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	B	3040	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	a	838	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	a	808	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	2	3009	CLA	O2D-CGD-CBD	2.38	115.51	111.27
14	2	3026	CLA	C1-O2A-CGA	-2.38	110.19	116.44
14	B	3004	CLA	O1D-CGD-CBD	2.38	129.36	124.48
14	A	823	CLA	O2D-CGD-O1D	-2.38	119.18	123.84
14	b	3006	CLA	O1D-CGD-CBD	2.38	129.36	124.48
14	A	855	CLA	CHB-C4A-NA	2.38	127.81	124.51
16	l	209	BCR	C7-C8-C9	-2.38	122.64	126.23
16	I	102	BCR	C7-C8-C9	-2.38	122.64	126.23
14	2	3006	CLA	O1D-CGD-CBD	2.38	129.35	124.48
14	M	1601	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	a	829	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
16	F	205	BCR	C37-C22-C21	-2.38	119.59	122.92
14	A	836	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
16	9	102	BCR	C15-C16-C17	-2.38	118.60	123.47
14	B	3009	CLA	O2D-CGD-CBD	2.38	115.49	111.27
14	b	3004	CLA	O1D-CGD-CBD	2.38	129.34	124.48
14	2	3009	CLA	C1B-CHB-C4A	-2.37	125.41	130.12
14	A	844	CLA	CHD-C1D-ND	-2.37	122.27	124.45
14	1	823	CLA	O2D-CGD-O1D	-2.37	119.20	123.84
16	i	101	BCR	C27-C26-C25	2.37	126.18	122.73
14	1	836	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	2	3011	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	B	3021	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	b	3026	CLA	C1-O2A-CGA	-2.37	110.22	116.44
14	J	101	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	a	822	CLA	O2D-CGD-O1D	-2.37	119.20	123.84
14	8	101	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	j	1101	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	0	203	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	b	3009	CLA	O2D-CGD-CBD	2.37	115.48	111.27
14	a	824	CLA	CHB-C4A-NA	2.37	127.79	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	830	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	j	1102	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	B	3026	CLA	C1-O2A-CGA	-2.37	110.23	116.44
14	b	3010	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	B	3041	CLA	CHB-C4A-NA	2.37	127.78	124.51
14	2	3015	CLA	CHB-C4A-NA	2.37	127.78	124.51
14	b	3023	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
16	a	851	BCR	C15-C14-C13	-2.36	123.94	127.31
14	a	838	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	B	3033	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	b	3030	CLA	C2D-C1D-ND	-2.36	108.36	110.10
16	A	846	BCR	C15-C16-C17	-2.36	118.63	123.47
14	A	802	CLA	C1-C2-C3	-2.36	121.96	126.04
14	1	802	CLA	C1-C2-C3	-2.36	121.96	126.04
14	B	3005	CLA	O1D-CGD-CBD	2.36	129.31	124.48
14	f	204	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	1	837	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	A	815	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	b	3015	CLA	CHB-C4A-NA	2.36	127.77	124.51
14	B	3006	CLA	O1D-CGD-CBD	2.36	129.31	124.48
14	0	208	CLA	O2D-CGD-CBD	2.36	115.46	111.27
16	B	3046	BCR	C15-C16-C17	-2.36	118.64	123.47
14	B	3008	CLA	CMB-C2B-C3B	2.36	129.09	124.68
14	2	3005	CLA	O1D-CGD-CBD	2.36	129.31	124.48
14	2	3023	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	b	3005	CLA	O1D-CGD-CBD	2.36	129.31	124.48
16	B	3048	BCR	C36-C18-C17	-2.36	119.62	122.92
14	L	204	CLA	O2D-CGD-CBD	2.36	115.45	111.27
14	2	3033	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	2	3004	CLA	O1D-CGD-CBD	2.36	129.30	124.48
14	F	204	CLA	CHB-C4A-NA	2.36	127.77	124.51
14	b	3008	CLA	CHD-C1D-ND	-2.35	122.29	124.45
16	1	846	BCR	C35-C13-C14	-2.35	119.62	122.92
14	B	3010	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
14	2	3010	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
14	A	825	CLA	CHB-C4A-NA	2.35	127.77	124.51
14	B	3040	CLA	CMB-C2B-C3B	2.35	129.08	124.68
14	b	3009	CLA	C1-C2-C3	-2.35	121.97	126.04
14	B	3009	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
14	1	809	CLA	CHD-C1D-ND	-2.35	122.29	124.45
14	b	3041	CLA	O2A-CGA-O1A	-2.35	117.65	123.59
14	b	3040	CLA	CMB-C2B-C3B	2.35	129.08	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	815	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
16	a	849	BCR	C8-C7-C6	-2.35	120.59	127.20
16	A	850	BCR	C8-C7-C6	-2.35	120.59	127.20
14	A	837	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	B	3011	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	a	814	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
16	0	210	BCR	C7-C8-C9	-2.35	122.68	126.23
16	y	101	BCR	C15-C16-C17	-2.35	118.66	123.47
14	B	3023	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
16	f	205	BCR	C37-C22-C21	-2.35	119.63	122.92
14	A	818	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
14	2	3041	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
14	l	207	CLA	O2D-CGD-CBD	2.35	115.44	111.27
14	2	3009	CLA	C1-C2-C3	-2.35	121.98	126.04
16	b	3048	BCR	C36-C18-C17	-2.35	119.63	122.92
14	2	3033	CLA	C1-C2-C3	-2.35	121.98	126.04
14	1	840	CLA	CAA-CBA-CGA	-2.35	106.40	113.25
14	2	3041	CLA	CHB-C4A-NA	2.35	127.75	124.51
14	6	204	CLA	CHB-C4A-NA	2.35	127.75	124.51
16	b	3046	BCR	C15-C16-C17	-2.35	118.67	123.47
16	6	205	BCR	C37-C22-C21	-2.35	119.64	122.92
14	A	809	CLA	CHD-C1D-ND	-2.34	122.30	124.45
14	a	810	CLA	O2A-CGA-O1A	-2.34	117.67	123.59
16	1	849	BCR	C8-C7-C6	-2.34	120.62	127.20
14	0	204	CLA	O2A-CGA-O1A	-2.34	117.68	123.59
14	B	3009	CLA	C1-C2-C3	-2.34	121.99	126.04
16	1	851	BCR	C15-C14-C13	-2.34	123.97	127.31
14	B	3033	CLA	C1-C2-C3	-2.34	121.99	126.04
16	2	3046	BCR	C15-C16-C17	-2.34	118.68	123.47
14	b	3033	CLA	C1-C2-C3	-2.34	121.99	126.04
14	A	811	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
14	a	835	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	B	3041	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
14	a	817	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
14	a	812	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	L	201	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
14	a	807	CLA	CHB-C4A-NA	2.34	127.74	124.51
16	0	211	BCR	C8-C7-C6	-2.34	120.64	127.20
14	f	201	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
20	b	3050	LMG	O1-C7-C8	-2.34	105.26	110.90
14	b	3009	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	1	835	CLA	CMB-C2B-C3B	2.34	129.05	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	l	210	BCR	C8-C7-C6	-2.34	120.64	127.20
14	1	813	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	1	811	CLA	O2A-CGA-O1A	-2.33	117.70	123.59
16	A	847	BCR	C35-C13-C14	-2.33	119.65	122.92
14	2	3035	CLA	C1B-CHB-C4A	-2.33	125.49	130.12
16	8	103	BCR	C2-C1-C6	2.33	114.07	110.48
14	a	839	CLA	CAA-CBA-CGA	-2.33	106.44	113.25
20	B	3050	LMG	O1-C7-C8	-2.33	105.27	110.90
14	b	3011	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	k	102	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	B	3015	CLA	CHB-C4A-NA	2.33	127.74	124.51
14	l	208	CLA	CHB-C4A-NA	2.33	127.74	124.51
14	l	207	CLA	C1-C2-C3	-2.33	122.01	126.04
14	a	836	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
16	1	850	BCR	C27-C26-C25	2.33	126.11	122.73
14	A	840	CLA	CAA-CBA-CGA	-2.33	106.44	113.25
16	m	101	BCR	C15-C16-C17	-2.33	118.70	123.47
14	f	201	CLA	CHB-C4A-NA	2.33	127.73	124.51
14	2	3040	CLA	CMB-C2B-C3B	2.33	129.03	124.68
16	2	3048	BCR	C36-C18-C17	-2.33	119.66	122.92
14	A	831	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	L	203	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	a	834	CLA	CMB-C2B-C3B	2.33	129.03	124.68
14	2	3030	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
16	1	846	BCR	C37-C22-C21	-2.33	119.67	122.92
16	a	850	BCR	C27-C26-C25	2.33	126.11	122.73
16	2	3047	BCR	C38-C26-C25	-2.33	121.92	124.53
14	A	808	CLA	CHB-C4A-NA	2.32	127.73	124.51
14	A	812	CLA	CHB-C4A-NA	2.32	127.73	124.51
14	L	204	CLA	C1-C2-C3	-2.32	122.02	126.04
14	0	209	CLA	CHB-C4A-NA	2.32	127.72	124.51
20	2	3050	LMG	O1-C7-C8	-2.32	105.29	110.90
14	B	3008	CLA	CHD-C1D-ND	-2.32	122.32	124.45
14	l	203	CLA	O2A-CGA-O1A	-2.32	117.73	123.59
14	1	818	CLA	O2A-CGA-O1A	-2.32	117.73	123.59
14	2	3008	CLA	CMB-C2B-C3B	2.32	129.02	124.68
14	b	3015	CLA	CHD-C1D-ND	-2.32	122.32	124.45
14	B	3035	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	B	3028	CLA	O2A-CGA-O1A	-2.32	117.73	123.59
14	b	3035	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	a	802	CLA	C1-C2-C3	-2.32	122.03	126.04
14	b	3008	CLA	CMB-C2B-C3B	2.32	129.02	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	808	CLA	CHB-C4A-NA	2.32	127.72	124.51
16	j	1104	BCR	C2-C1-C6	2.32	114.05	110.48
16	B	3047	BCR	C38-C26-C25	-2.32	121.92	124.53
14	A	813	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	a	843	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	b	3027	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
16	a	846	BCR	C37-C22-C21	-2.32	119.68	122.92
14	9	103	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
16	F	202	BCR	C8-C7-C6	-2.32	120.70	127.20
14	1	805	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	6	201	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
16	M	1602	BCR	C15-C16-C17	-2.32	118.73	123.47
14	b	3018	CLA	C5-C3-C2	-2.31	116.44	121.12
16	B	3053	BCR	C37-C22-C23	2.31	121.72	118.08
14	0	207	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
13	A	801	CL0	C2A-C1A-CHA	2.31	127.90	123.86
14	2	3008	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	b	3029	CLA	CHB-C4A-NA	2.31	127.71	124.51
14	F	201	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	1	831	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	2	3028	CLA	O2A-CGA-O1A	-2.31	117.76	123.59
14	A	835	CLA	CMB-C2B-C3B	2.31	129.00	124.68
14	A	823	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
16	7	101	BCR	C37-C22-C21	-2.31	119.69	122.92
14	1	823	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
16	f	202	BCR	C8-C7-C6	-2.31	120.72	127.20
16	J	103	BCR	C2-C1-C6	2.31	114.03	110.48
16	A	852	BCR	C15-C14-C13	-2.31	124.02	127.31
14	B	3018	CLA	C5-C3-C2	-2.31	116.45	121.12
14	0	208	CLA	C1-C2-C3	-2.31	122.06	126.04
14	K	102	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
14	b	3017	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
14	2	3027	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
14	F	201	CLA	CHB-C4A-NA	2.30	127.70	124.51
14	B	3007	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
17	1	201	LHG	C20-C19-C18	-2.30	102.73	114.42
17	0	201	LHG	C20-C19-C18	-2.30	102.73	114.42
16	A	851	BCR	C27-C26-C25	2.30	126.07	122.73
16	L	206	BCR	C8-C7-C6	-2.30	120.74	127.20
14	1	812	CLA	CHB-C4A-NA	2.30	127.69	124.51
14	B	3027	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	2	3012	CLA	C1B-CHB-C4A	-2.30	125.56	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	l	206	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	b	3007	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
16	j	1106	BCR	C37-C22-C23	2.30	121.70	118.08
14	b	3015	CLA	C1-C2-C3	-2.30	122.06	126.04
14	a	805	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
16	2	3047	BCR	C8-C7-C6	-2.30	120.74	127.20
14	B	3030	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
16	I	101	BCR	C37-C22-C21	-2.30	119.70	122.92
14	B	3042	CLA	CMC-C2C-C3C	2.30	132.36	126.12
14	a	822	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	A	844	CLA	CHB-C4A-NA	2.30	127.69	124.51
16	b	3047	BCR	C8-C7-C6	-2.30	120.75	127.20
14	2	3008	CLA	CHD-C1D-ND	-2.30	122.34	124.45
16	b	3047	BCR	C38-C26-C25	-2.30	121.95	124.53
14	b	3030	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	8	102	CLA	CHB-C4A-NA	2.30	127.69	124.51
13	a	801	CL0	C2A-C1A-CHA	2.30	127.87	123.86
14	B	3015	CLA	C1-C2-C3	-2.30	122.07	126.04
14	J	102	CLA	CHB-C4A-NA	2.30	127.69	124.51
14	a	819	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
14	6	201	CLA	CHB-C4A-NA	2.29	127.68	124.51
16	A	847	BCR	C37-C22-C21	-2.29	119.71	122.92
14	b	3042	CLA	CMC-C2C-C3C	2.29	132.34	126.12
16	6	202	BCR	C8-C7-C6	-2.29	120.76	127.20
17	L	207	LHG	C20-C19-C18	-2.29	102.79	114.42
14	B	3008	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	A	837	CLA	O2A-CGA-O1A	-2.29	117.58	123.30
13	1	801	CL0	C2A-C1A-CHA	2.29	127.87	123.86
14	2	3015	CLA	C1-C2-C3	-2.29	122.08	126.04
16	J	104	BCR	C37-C22-C21	-2.29	119.71	122.92
16	8	104	BCR	C37-C22-C21	-2.29	119.71	122.92
14	L	205	CLA	CHB-C4A-NA	2.29	127.68	124.51
14	1	820	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	B	3015	CLA	CHD-C1D-ND	-2.29	122.35	124.45
14	1	806	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	A	820	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	2	3018	CLA	C5-C3-C2	-2.29	116.49	121.12
14	a	811	CLA	CHB-C4A-NA	2.29	127.68	124.51
14	2	3042	CLA	CMC-C2C-C3C	2.29	132.33	126.12
14	b	3028	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
14	A	810	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
14	A	832	CLA	O2D-CGD-CBD	2.29	115.33	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	2	3052	BCR	C37-C22-C23	2.28	121.68	118.08
16	a	848	BCR	C24-C23-C22	-2.28	122.78	126.23
16	B	3047	BCR	C8-C7-C6	-2.28	120.79	127.20
14	l	203	CLA	CAC-C3C-C4C	2.28	127.77	124.81
16	A	849	BCR	C28-C27-C26	-2.28	110.00	114.08
16	a	848	BCR	C28-C27-C26	-2.28	110.00	114.08
16	A	849	BCR	C24-C23-C22	-2.28	122.78	126.23
14	A	805	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
14	a	803	CLA	CHD-C1D-ND	-2.28	122.36	124.45
14	0	204	CLA	CAC-C3C-C4C	2.28	127.77	124.81
14	A	855	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	B	3035	CLA	C2D-C1D-ND	-2.28	108.42	110.10
14	j	1103	CLA	CHB-C4A-NA	2.28	127.67	124.51
14	B	3017	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
16	b	3044	BCR	C37-C22-C21	-2.28	119.73	122.92
14	a	830	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	2	3007	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	2	3017	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
14	A	802	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
16	B	3044	BCR	C27-C26-C25	2.28	126.04	122.73
14	b	3041	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	L	201	CLA	CAC-C3C-C4C	2.28	127.77	124.81
14	A	806	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
16	7	101	BCR	C2-C1-C6	2.28	113.99	110.48
14	a	836	CLA	O2A-CGA-O1A	-2.28	117.62	123.30
14	b	3008	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
14	1	811	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
14	a	816	CLA	CHB-C4A-NA	2.28	127.66	124.51
16	a	846	BCR	C35-C13-C14	-2.27	119.74	122.92
14	0	203	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
14	B	3012	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
14	1	837	CLA	O2A-CGA-O1A	-2.27	117.64	123.30
14	B	3029	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	2	3032	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	1	844	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	1	832	CLA	O2D-CGD-CBD	2.27	115.30	111.27
16	1	848	BCR	C24-C23-C22	-2.27	122.81	126.23
14	M	1601	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
16	j	1105	BCR	C37-C22-C21	-2.27	119.75	122.92
14	b	3025	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	1	817	CLA	CHB-C4A-NA	2.27	127.65	124.51
16	1	848	BCR	C28-C27-C26	-2.27	110.03	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	843	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
14	b	3033	CLA	O2A-CGA-O1A	-2.27	117.87	123.59
14	X	1701	CLA	CHB-C4A-NA	2.27	127.64	124.51
14	A	816	CLA	CHD-C1D-ND	-2.27	122.37	124.45
14	b	3003	CLA	O2D-CGD-CBD	2.27	115.29	111.27
14	b	3004	CLA	C1B-CHB-C4A	-2.26	125.63	130.12
14	l	203	CLA	C1B-CHB-C4A	-2.26	125.63	130.12
14	B	3030	CLA	C2D-C1D-ND	-2.26	108.44	110.10
14	1	810	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
14	2	3033	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
14	b	3015	CLA	C1B-CHB-C4A	-2.26	125.63	130.12
14	a	804	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	B	3025	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	2	3038	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	2	3015	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	A	817	CLA	CHB-C4A-NA	2.26	127.64	124.51
14	2	3040	CLA	CHB-C4A-NA	2.26	127.64	124.51
16	I	101	BCR	C2-C1-C6	2.26	113.96	110.48
14	2	3003	CLA	O2D-CGD-CBD	2.26	115.29	111.27
17	A	854	LHG	O8-C23-C24	2.26	119.00	111.91
14	z	1701	CLA	CHB-C4A-NA	2.26	127.64	124.51
16	b	3044	BCR	C27-C26-C25	2.26	126.01	122.73
16	2	3044	BCR	C27-C26-C25	2.26	126.01	122.73
14	a	842	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
16	A	846	BCR	C29-C30-C25	2.26	113.96	110.48
14	2	3004	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
16	i	101	BCR	C37-C22-C21	-2.26	119.76	122.92
14	a	810	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	2	3037	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	2	3018	CLA	O2A-CGA-O1A	-2.26	117.89	123.59
14	a	843	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
16	l	204	BCR	C27-C26-C25	2.26	126.01	122.73
14	2	3030	CLA	C2D-C1D-ND	-2.26	108.44	110.10
16	I	101	BCR	C8-C7-C6	-2.26	120.86	127.20
14	f	203	CLA	CHB-C4A-NA	2.26	127.63	124.51
16	i	101	BCR	C8-C7-C6	-2.26	120.87	127.20
14	1	802	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
14	B	3035	CLA	O2A-CGA-O1A	-2.25	117.90	123.59
14	2	3035	CLA	O2A-CGA-O1A	-2.25	117.90	123.59
14	b	3032	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
16	a	845	BCR	C29-C30-C25	2.25	113.95	110.48
16	9	102	BCR	C29-C30-C25	2.25	113.95	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	831	CLA	O2D-CGD-CBD	2.25	115.27	111.27
14	B	3036	CLA	CHB-C4A-NA	2.25	127.63	124.51
14	A	803	CLA	CHD-C1D-ND	-2.25	122.38	124.45
14	A	804	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	B	3032	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	2	3025	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	A	824	CLA	C2D-C1D-ND	-2.25	108.45	110.10
14	b	3018	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
14	B	3015	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
20	B	3050	LMG	C40-C39-C38	-2.25	103.01	114.42
16	a	847	BCR	C15-C14-C13	-2.25	124.10	127.31
14	b	3016	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	B	3010	CLA	CHB-C4A-NA	2.25	127.62	124.51
14	A	811	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	l	207	CLA	C7-C6-C5	-2.25	107.25	113.36
17	1	853	LHG	O8-C23-C24	2.25	118.96	111.91
16	i	101	BCR	C2-C1-C6	2.25	113.94	110.48
14	B	3004	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
20	b	3050	LMG	C40-C39-C38	-2.25	103.01	114.42
14	1	817	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
16	J	104	BCR	C29-C30-C25	2.25	113.94	110.48
17	a	853	LHG	O8-C23-C24	2.25	118.96	111.91
14	b	3035	CLA	C2D-C1D-ND	-2.25	108.45	110.10
14	B	3003	CLA	O2D-CGD-CBD	2.25	115.26	111.27
14	2	3035	CLA	C2D-C1D-ND	-2.25	108.45	110.10
14	a	816	CLA	O2A-CGA-O1A	-2.25	117.93	123.59
14	b	3040	CLA	CHB-C4A-NA	2.24	127.62	124.51
14	B	3041	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
16	A	848	BCR	C15-C14-C13	-2.24	124.11	127.31
14	x	1701	CLA	CHB-C4A-NA	2.24	127.61	124.51
20	2	3050	LMG	C40-C39-C38	-2.24	103.03	114.42
16	2	3044	BCR	C37-C22-C21	-2.24	119.78	122.92
14	b	3012	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
16	0	205	BCR	C27-C26-C25	2.24	125.99	122.73
14	a	809	CLA	O2A-CGA-O1A	-2.24	117.93	123.59
14	B	3017	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	b	3037	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	b	3038	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	j	1101	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
16	B	3044	BCR	C37-C22-C21	-2.24	119.78	122.92
14	a	802	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	1	804	CLA	C1B-CHB-C4A	-2.24	125.68	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	1	847	BCR	C8-C7-C6	-2.24	120.91	127.20
14	A	843	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
16	1	847	BCR	C15-C14-C13	-2.24	124.11	127.31
14	A	820	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
14	B	3018	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
14	B	3038	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
16	B	3052	BCR	C27-C26-C25	2.24	125.98	122.73
14	L	201	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	L	204	CLA	C7-C6-C5	-2.24	107.28	113.36
14	2	3041	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	B	3005	CLA	C3C-C4C-NC	-2.24	108.06	110.57
16	8	104	BCR	C29-C30-C25	2.24	113.93	110.48
14	2	3029	CLA	CHB-C4A-NA	2.24	127.61	124.51
14	b	3035	CLA	O2A-CGA-O1A	-2.24	117.95	123.59
14	b	3017	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
14	A	834	CLA	O1D-CGD-CBD	2.24	129.06	124.48
14	b	3005	CLA	C3C-C4C-NC	-2.24	108.06	110.57
16	7	101	BCR	C8-C7-C6	-2.24	120.92	127.20
14	1	803	CLA	CHD-C1D-ND	-2.24	122.40	124.45
14	B	3037	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
16	A	851	BCR	C8-C7-C6	-2.23	120.93	127.20
14	2	3039	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
14	B	3040	CLA	CHB-C4A-NA	2.23	127.60	124.51
16	B	3047	BCR	C35-C13-C14	-2.23	119.79	122.92
14	1	844	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
14	b	3036	CLA	CHB-C4A-NA	2.23	127.60	124.51
16	1	850	BCR	C8-C7-C6	-2.23	120.94	127.20
16	A	848	BCR	C8-C7-C6	-2.23	120.94	127.20
14	f	203	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
14	1	816	CLA	CHD-C1D-ND	-2.23	122.40	124.45
14	A	844	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
14	2	3017	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
14	B	3033	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
14	b	3010	CLA	CHB-C4A-NA	2.23	127.59	124.51
14	2	3034	CLA	CHB-C4A-NA	2.23	127.59	124.51
14	1	837	CLA	O1A-CGA-CBA	2.23	130.24	123.08
14	B	3029	CLA	C2D-C1D-ND	-2.23	108.46	110.10
14	1	824	CLA	C2D-C1D-ND	-2.23	108.46	110.10
16	1	849	BCR	C38-C26-C25	-2.23	122.03	124.53
14	A	817	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
14	2	3030	CLA	CHB-C4A-NA	2.23	127.59	124.51
17	2	3051	LHG	C20-C19-C18	-2.23	103.12	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	j	1105	BCR	C29-C30-C25	2.23	113.91	110.48
14	2	3018	CLA	C6-C5-C3	2.23	119.29	113.45
14	a	819	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
14	B	3016	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
16	a	849	BCR	C38-C26-C25	-2.23	122.03	124.53
14	F	201	CLA	CHD-C1D-ND	-2.23	122.41	124.45
14	A	837	CLA	O1A-CGA-CBA	2.23	130.23	123.08
14	b	3008	CLA	O1D-CGD-CBD	2.23	129.04	124.48
14	A	817	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
14	B	3006	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
16	f	202	BCR	C16-C15-C14	-2.22	118.92	123.47
17	b	3051	LHG	C20-C19-C18	-2.22	103.14	114.42
14	0	208	CLA	C7-C6-C5	-2.22	107.32	113.36
14	b	3006	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
16	a	847	BCR	C35-C13-C14	-2.22	119.81	122.92
14	2	3016	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
16	F	202	BCR	C16-C15-C14	-2.22	118.92	123.47
16	1	846	BCR	C15-C16-C17	-2.22	118.92	123.47
16	a	846	BCR	C38-C26-C25	-2.22	122.03	124.53
14	6	203	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
17	B	3051	LHG	C20-C19-C18	-2.22	103.15	114.42
14	B	3018	CLA	C6-C5-C3	2.22	119.28	113.45
16	b	3045	BCR	C28-C27-C26	-2.22	110.11	114.08
14	2	3005	CLA	C3C-C4C-NC	-2.22	108.08	110.57
14	B	3036	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
14	a	816	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
16	a	847	BCR	C8-C7-C6	-2.22	120.97	127.20
14	0	204	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
14	a	815	CLA	CHD-C1D-ND	-2.22	122.42	124.45
17	1	853	LHG	C11-C10-C9	-2.22	103.18	114.42
14	B	3034	CLA	CHB-C4A-NA	2.22	127.58	124.51
14	2	3010	CLA	CHB-C4A-NA	2.22	127.58	124.51
16	b	3048	BCR	C8-C7-C6	-2.21	120.98	127.20
16	2	3047	BCR	C35-C13-C14	-2.21	119.82	122.92
16	6	205	BCR	C8-C7-C6	-2.21	120.98	127.20
14	2	3003	CLA	CMD-C2D-C1D	-2.21	120.81	124.71
16	J	103	BCR	C29-C30-C25	2.21	113.89	110.48
16	B	3048	BCR	C8-C7-C6	-2.21	120.98	127.20
14	A	828	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	A	842	CLA	CHB-C4A-NA	2.21	127.57	124.51
14	A	810	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
14	z	1701	CLA	C1B-CHB-C4A	-2.21	125.73	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	a	850	BCR	C8-C7-C6	-2.21	120.99	127.20
14	2	3008	CLA	O1D-CGD-CBD	2.21	129.01	124.48
14	a	823	CLA	C2D-C1D-ND	-2.21	108.47	110.10
14	1	842	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
16	1	847	BCR	C35-C13-C14	-2.21	119.83	122.92
14	b	3018	CLA	C6-C5-C3	2.21	119.25	113.45
17	a	853	LHG	C11-C10-C9	-2.21	103.20	114.42
14	A	841	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
14	a	836	CLA	O1A-CGA-CBA	2.21	130.19	123.08
14	1	806	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	2	3006	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
20	B	3050	LMG	C3-C4-C5	-2.21	106.30	110.24
16	A	848	BCR	C35-C13-C14	-2.21	119.83	122.92
14	2	3036	CLA	CHB-C4A-NA	2.21	127.57	124.51
13	A	801	CL0	O2A-CGA-O1A	-2.21	118.02	123.59
16	a	846	BCR	C15-C16-C17	-2.21	118.95	123.47
14	A	855	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	F	203	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
14	a	809	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
16	A	847	BCR	C15-C16-C17	-2.21	118.95	123.47
14	2	3039	CLA	CHD-C1D-ND	-2.21	122.42	124.45
17	A	854	LHG	C11-C10-C9	-2.21	103.22	114.42
14	K	102	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
16	2	3048	BCR	C8-C7-C6	-2.21	121.00	127.20
16	j	1104	BCR	C29-C30-C25	2.21	113.88	110.48
16	2	3045	BCR	C28-C27-C26	-2.21	110.14	114.08
14	b	3039	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
14	1	817	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
16	b	3047	BCR	C35-C13-C14	-2.21	119.83	122.92
14	B	3008	CLA	O1D-CGD-CBD	2.21	129.00	124.48
14	1	834	CLA	O1D-CGD-CBD	2.21	129.00	124.48
16	6	202	BCR	C16-C15-C14	-2.21	118.96	123.47
16	l	210	BCR	C36-C18-C17	-2.21	119.83	122.92
13	a	801	CL0	O2A-CGA-O1A	-2.21	118.03	123.59
14	6	203	CLA	CHB-C4A-NA	2.20	127.56	124.51
14	a	840	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
13	1	801	CL0	O2A-CGA-O1A	-2.20	118.03	123.59
16	I	102	BCR	C28-C27-C26	-2.20	110.14	114.08
14	F	203	CLA	CHB-C4A-NA	2.20	127.56	124.51
14	X	1701	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
14	A	809	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
16	0	210	BCR	C28-C27-C26	-2.20	110.15	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	808	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
14	1	809	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
14	1	820	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
14	2	3015	CLA	CHD-C1D-ND	-2.20	122.43	124.45
14	A	842	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
14	a	841	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	1	837	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	B	3031	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	B	3039	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
16	8	103	BCR	C29-C30-C25	2.20	113.86	110.48
14	x	1701	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
16	B	3045	BCR	C28-C27-C26	-2.20	110.15	114.08
14	6	201	CLA	CHD-C1D-ND	-2.20	122.44	124.45
16	l	209	BCR	C28-C27-C26	-2.20	110.16	114.08
14	k	102	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	1	810	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
14	2	3010	CLA	C11-C12-C13	-2.20	108.82	115.92
14	2	3021	CLA	CHD-C1D-ND	-2.20	122.44	124.45
20	b	3050	LMG	C3-C4-C5	-2.20	106.32	110.24
14	1	826	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	b	3026	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	1	840	CLA	O2D-CGD-CBD	2.20	115.17	111.27
14	1	841	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
14	9	103	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	A	806	CLA	CHD-C1D-ND	-2.19	122.44	124.45
14	B	3030	CLA	CHB-C4A-NA	2.19	127.55	124.51
20	b	3050	LMG	C42-C41-C40	-2.19	103.29	114.42
14	b	3021	CLA	CHD-C1D-ND	-2.19	122.44	124.45
16	L	206	BCR	C27-C26-C25	2.19	125.91	122.73
16	f	205	BCR	C8-C7-C6	-2.19	121.05	127.20
14	a	830	CLA	CMB-C2B-C3B	2.19	128.78	124.68
16	2	3044	BCR	C8-C7-C6	-2.19	121.05	127.20
14	2	3031	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
16	B	3044	BCR	C8-C7-C6	-2.19	121.05	127.20
20	B	3050	LMG	C42-C41-C40	-2.19	103.31	114.42
14	1	831	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
14	M	1601	CLA	CHD-C1D-ND	-2.19	122.44	124.45
14	2	3012	CLA	O2D-CGD-CBD	2.19	115.16	111.27
14	a	830	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
14	l	207	CLA	CAC-C3C-C4C	2.19	127.65	124.81
20	2	3050	LMG	C3-C4-C5	-2.19	106.34	110.24
14	b	3031	CLA	O2A-CGA-O1A	-2.19	118.07	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	841	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
14	1	842	CLA	CHB-C4A-NA	2.19	127.54	124.51
16	B	3046	BCR	C38-C26-C25	-2.19	122.07	124.53
14	b	3036	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
16	F	205	BCR	C8-C7-C6	-2.19	121.06	127.20
14	b	3036	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
16	b	3044	BCR	C8-C7-C6	-2.19	121.06	127.20
14	b	3030	CLA	CHB-C4A-NA	2.19	127.53	124.51
14	1	829	CLA	CHB-C4A-NA	2.19	127.53	124.51
14	a	833	CLA	O1D-CGD-CBD	2.19	128.96	124.48
20	2	3050	LMG	C42-C41-C40	-2.19	103.33	114.42
14	2	3003	CLA	CMD-C2D-C3D	2.19	132.64	127.61
14	a	805	CLA	CHD-C1D-ND	-2.19	122.45	124.45
14	L	204	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	a	827	CLA	C1B-CHB-C4A	-2.18	125.79	130.12
16	6	202	BCR	C37-C22-C21	-2.18	119.86	122.92
14	f	201	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	0	203	CLA	CHD-C1D-ND	-2.18	122.45	124.45
16	A	852	BCR	C11-C10-C9	-2.18	124.19	127.31
14	b	3034	CLA	CHB-C4A-NA	2.18	127.53	124.51
14	2	3026	CLA	CHB-C4A-NA	2.18	127.53	124.51
14	B	3003	CLA	CMD-C2D-C3D	2.18	132.63	127.61
14	k	101	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
16	L	206	BCR	C36-C18-C17	-2.18	119.87	122.92
16	1	846	BCR	C38-C26-C25	-2.18	122.08	124.53
14	b	3010	CLA	C11-C12-C13	-2.18	108.87	115.92
14	B	3003	CLA	CMD-C2D-C1D	-2.18	120.87	124.71
14	2	3036	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
14	b	3003	CLA	CMD-C2D-C3D	2.18	132.63	127.61
16	A	850	BCR	C38-C26-C25	-2.18	122.08	124.53
14	2	3038	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
14	2	3036	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
14	B	3003	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	B	3026	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	b	3016	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	0	204	CLA	C2A-C1A-CHA	2.18	127.67	123.86
14	B	3010	CLA	C11-C12-C13	-2.18	108.88	115.92
14	b	3003	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	B	3021	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	b	3024	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	A	831	CLA	CMB-C2B-C3B	2.17	128.75	124.68
16	2	3047	BCR	C2-C1-C6	2.17	113.83	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	826	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	B	3036	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	A	831	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
16	0	211	BCR	C27-C26-C25	2.17	125.89	122.73
14	a	825	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	a	815	CLA	C3A-C2A-C1A	2.17	104.59	101.34
14	2	3029	CLA	C2D-C1D-ND	-2.17	108.50	110.10
14	A	828	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
14	9	101	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
14	1	827	CLA	O2D-CGD-CBD	2.17	115.12	111.27
14	1	820	CLA	C2D-C1D-ND	-2.17	108.51	110.10
14	B	3012	CLA	O2D-CGD-CBD	2.17	115.12	111.27
16	l	210	BCR	C16-C15-C14	-2.17	119.03	123.47
16	A	847	BCR	C38-C26-C25	-2.17	122.09	124.53
14	a	836	CLA	CHB-C4A-NA	2.17	127.51	124.51
14	b	3012	CLA	O2D-CGD-CBD	2.16	115.11	111.27
14	b	3003	CLA	CMD-C2D-C1D	-2.16	120.90	124.71
14	b	3010	CLA	C7-C6-C5	-2.16	107.48	113.36
14	L	201	CLA	C2A-C1A-CHA	2.16	127.64	123.86
14	1	828	CLA	C1B-CHB-C4A	-2.16	125.83	130.12
16	0	211	BCR	C36-C18-C17	-2.16	119.89	122.92
14	B	3010	CLA	C7-C6-C5	-2.16	107.48	113.36
14	A	808	CLA	C1B-CHB-C4A	-2.16	125.83	130.12
16	j	1106	BCR	C20-C21-C22	-2.16	124.22	127.31
14	A	826	CLA	C1B-CHB-C4A	-2.16	125.84	130.12
16	b	3047	BCR	C2-C1-C6	2.16	113.81	110.48
14	A	840	CLA	O2D-CGD-CBD	2.16	115.11	111.27
14	a	828	CLA	CHB-C4A-NA	2.16	127.50	124.51
14	l	203	CLA	C2A-C1A-CHA	2.16	127.64	123.86
16	2	3052	BCR	C15-C14-C13	-2.16	124.23	127.31
14	a	827	CLA	CHD-C1D-ND	-2.16	122.47	124.45
16	L	206	BCR	C16-C15-C14	-2.16	119.05	123.47
16	1	851	BCR	C11-C10-C9	-2.16	124.23	127.31
14	l	208	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	a	824	CLA	CHD-C1D-ND	-2.16	122.47	124.45
14	B	3038	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	A	827	CLA	O2D-CGD-CBD	2.16	115.10	111.27
14	0	209	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	a	807	CLA	C1B-CHB-C4A	-2.16	125.85	130.12
16	8	104	BCR	C37-C22-C23	2.16	121.47	118.08
16	b	3046	BCR	C38-C26-C25	-2.16	122.11	124.53
14	1	831	CLA	CMB-C2B-C3B	2.16	128.71	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	3038	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
17	2	3051	LHG	C27-C26-C25	-2.16	103.48	114.42
14	1	826	CLA	C1B-CHB-C4A	-2.15	125.85	130.12
17	b	3051	LHG	C27-C26-C25	-2.15	103.49	114.42
14	2	3010	CLA	C7-C6-C5	-2.15	107.51	113.36
14	2	3003	CLA	CHB-C4A-NA	2.15	127.49	124.51
14	2	3016	CLA	CHB-C4A-NA	2.15	127.49	124.51
14	1	828	CLA	CHD-C1D-ND	-2.15	122.47	124.45
14	1	838	CLA	C1B-CHB-C4A	-2.15	125.85	130.12
17	B	3051	LHG	C27-C26-C25	-2.15	103.50	114.42
14	1	833	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
14	1	825	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	2	3034	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
14	0	208	CLA	CAC-C3C-C4C	2.15	127.60	124.81
14	a	805	CLA	C3C-C4C-NC	-2.15	108.16	110.57
14	l	206	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
14	A	837	CLA	CHB-C4A-NA	2.15	127.48	124.51
14	a	819	CLA	C2D-C1D-ND	-2.15	108.52	110.10
14	2	3019	CLA	O2D-CGD-CBD	2.15	115.08	111.27
14	b	3019	CLA	O2D-CGD-CBD	2.15	115.08	111.27
14	L	205	CLA	O2A-CGA-O1A	-2.15	118.18	123.59
16	a	851	BCR	C11-C10-C9	-2.15	124.25	127.31
14	a	825	CLA	C1B-CHB-C4A	-2.15	125.87	130.12
14	A	825	CLA	CHD-C1D-ND	-2.14	122.48	124.45
14	B	3024	CLA	CHD-C1D-ND	-2.14	122.48	124.45
14	a	826	CLA	O2D-CGD-CBD	2.14	115.07	111.27
16	B	3047	BCR	C2-C1-C6	2.14	113.78	110.48
16	F	202	BCR	C37-C22-C21	-2.14	119.92	122.92
14	A	820	CLA	C2D-C1D-ND	-2.14	108.53	110.10
14	b	3029	CLA	C2D-C1D-ND	-2.14	108.53	110.10
14	a	839	CLA	O2D-CGD-CBD	2.14	115.07	111.27
16	F	202	BCR	C38-C26-C25	-2.14	122.13	124.53
14	b	3011	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	b	3026	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	1	821	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
14	B	3011	CLA	O2A-CGA-O1A	-2.14	118.20	123.59
16	0	211	BCR	C16-C15-C14	-2.14	119.09	123.47
14	B	3016	CLA	CHB-C4A-NA	2.14	127.47	124.51
14	B	3034	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
14	B	3039	CLA	CHD-C1D-ND	-2.14	122.49	124.45
14	b	3039	CLA	CHD-C1D-ND	-2.14	122.49	124.45
14	b	3022	CLA	C1B-CHB-C4A	-2.14	125.89	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	f	202	BCR	C37-C22-C21	-2.14	119.93	122.92
14	2	3011	CLA	O2A-CGA-O1A	-2.14	118.20	123.59
14	A	833	CLA	C1B-CHB-C4A	-2.14	125.89	130.12
14	f	204	CLA	C1B-CHB-C4A	-2.14	125.89	130.12
14	B	3006	CLA	CHD-C1D-ND	-2.13	122.49	124.45
14	K	101	CLA	C1B-CHB-C4A	-2.13	125.89	130.12
14	A	838	CLA	C1B-CHB-C4A	-2.13	125.89	130.12
14	B	3019	CLA	O2D-CGD-CBD	2.13	115.06	111.27
16	b	3047	BCR	C24-C23-C22	-2.13	123.01	126.23
16	J	104	BCR	C37-C22-C23	2.13	121.44	118.08
14	L	203	CLA	O2A-CGA-O1A	-2.13	118.21	123.59
14	1	808	CLA	C1B-CHB-C4A	-2.13	125.90	130.12
14	2	3021	CLA	O2A-CGA-O1A	-2.13	118.21	123.59
14	j	1101	CLA	C3C-C4C-NC	-2.13	108.18	110.57
13	a	801	CL0	C1B-CHB-C4A	-2.13	125.90	130.12
14	a	832	CLA	C1B-CHB-C4A	-2.13	125.90	130.12
16	2	3052	BCR	C20-C21-C22	-2.13	124.27	127.31
14	A	855	CLA	CMB-C2B-C3B	2.13	128.66	124.68
14	a	820	CLA	C1B-CHB-C4A	-2.13	125.90	130.12
14	2	3024	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	1	816	CLA	C3A-C2A-C1A	2.13	104.53	101.34
14	B	3009	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	F	204	CLA	C1B-CHB-C4A	-2.13	125.91	130.12
14	A	816	CLA	C3A-C2A-C1A	2.13	104.52	101.34
14	b	3006	CLA	CHD-C1D-ND	-2.13	122.50	124.45
16	l	210	BCR	C27-C26-C25	2.12	125.81	122.73
14	2	3022	CLA	C1B-CHB-C4A	-2.12	125.91	130.12
16	2	3048	BCR	C33-C5-C6	-2.12	122.14	124.53
16	j	1106	BCR	C15-C14-C13	-2.12	124.28	127.31
14	A	829	CLA	CHB-C4A-NA	2.12	127.45	124.51
14	b	3021	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	B	3033	CLA	O2D-CGD-CBD	2.12	115.04	111.27
14	a	837	CLA	C1B-CHB-C4A	-2.12	125.91	130.12
14	1	819	CLA	CHD-C1D-ND	-2.12	122.50	124.45
14	A	821	CLA	C1B-CHB-C4A	-2.12	125.92	130.12
14	B	3026	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
16	2	3046	BCR	C38-C26-C25	-2.12	122.15	124.53
13	A	801	CL0	C1B-CHB-C4A	-2.12	125.92	130.12
14	2	3009	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
16	B	3053	BCR	C20-C21-C22	-2.12	124.29	127.31
14	b	3039	CLA	CHB-C4A-NA	2.12	127.44	124.51
14	0	203	CLA	CMB-C2B-C3B	2.12	128.64	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A	846	BCR	C38-C26-C25	-2.12	122.15	124.53
14	a	816	CLA	O2D-CGD-CBD	2.12	115.03	111.27
14	2	3006	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	A	839	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
14	b	3009	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
14	1	807	CLA	O2D-CGD-O1D	-2.12	119.70	123.84
14	A	807	CLA	O2D-CGD-O1D	-2.12	119.70	123.84
14	6	204	CLA	C1B-CHB-C4A	-2.12	125.93	130.12
14	b	3012	CLA	CHD-C1D-ND	-2.12	122.51	124.45
16	2	3047	BCR	C24-C23-C22	-2.11	123.04	126.23
14	0	207	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
14	b	3034	CLA	C1B-CHB-C4A	-2.11	125.93	130.12
16	B	3048	BCR	C33-C5-C6	-2.11	122.16	124.53
14	B	3021	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
14	M	1601	CLA	CMB-C2B-C3B	2.11	128.63	124.68
14	a	806	CLA	O2D-CGD-O1D	-2.11	119.71	123.84
14	A	840	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	1	806	CLA	C3C-C4C-NC	-2.11	108.20	110.57
14	A	817	CLA	O2D-CGD-CBD	2.11	115.02	111.27
14	1	817	CLA	O2D-CGD-CBD	2.11	115.02	111.27
14	1	824	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	2	3039	CLA	CHB-C4A-NA	2.11	127.43	124.51
14	A	824	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	b	3033	CLA	O2D-CGD-CBD	2.11	115.01	111.27
16	B	3053	BCR	C15-C14-C13	-2.11	124.30	127.31
13	1	801	CL0	C1B-CHB-C4A	-2.11	125.94	130.12
14	2	3026	CLA	O2A-CGA-O1A	-2.11	118.28	123.59
16	j	1105	BCR	C37-C22-C23	2.11	121.39	118.08
14	A	832	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	l	203	CLA	O1D-CGD-CBD	2.11	128.79	124.48
16	2	3049	BCR	C8-C7-C6	-2.11	121.29	127.20
16	B	3047	BCR	C24-C23-C22	-2.11	123.05	126.23
16	a	847	BCR	C38-C26-C25	-2.10	122.17	124.53
14	1	810	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	1	839	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
14	2	3033	CLA	O2D-CGD-CBD	2.10	115.00	111.27
14	1	818	CLA	C2D-C1D-ND	-2.10	108.56	110.10
16	B	3049	BCR	C8-C7-C6	-2.10	121.30	127.20
14	B	3022	CLA	C1B-CHB-C4A	-2.10	125.95	130.12
14	A	806	CLA	C3C-C4C-NC	-2.10	108.22	110.57
17	A	853	LHG	C18-C17-C16	-2.10	103.76	114.42
14	a	823	CLA	O2A-CGA-O1A	-2.10	118.29	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	a	845	BCR	C38-C26-C25	-2.10	122.17	124.53
14	A	838	CLA	CHD-C1D-ND	-2.10	122.53	124.45
14	a	831	CLA	CHD-C1D-ND	-2.10	122.53	124.45
14	9	103	CLA	CHD-C1D-ND	-2.10	122.53	124.45
16	A	849	BCR	C36-C18-C17	-2.10	119.98	122.92
16	A	848	BCR	C38-C26-C25	-2.10	122.17	124.53
14	a	838	CLA	CHD-C1D-ND	-2.10	122.53	124.45
16	a	848	BCR	C8-C7-C6	-2.10	121.31	127.20
14	A	808	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
16	b	3048	BCR	C33-C5-C6	-2.10	122.17	124.53
14	2	3012	CLA	CHD-C1D-ND	-2.10	122.53	124.45
14	b	3040	CLA	O2D-CGD-CBD	2.10	114.99	111.27
16	L	206	BCR	C24-C23-C22	-2.10	123.07	126.23
17	1	852	LHG	C18-C17-C16	-2.09	103.79	114.42
14	B	3008	CLA	CBC-CAC-C3C	-2.09	106.66	112.43
14	a	818	CLA	CHD-C1D-ND	-2.09	122.53	124.45
16	A	849	BCR	C8-C7-C6	-2.09	121.32	127.20
14	2	3011	CLA	C2A-C1A-CHA	2.09	127.52	123.86
14	0	204	CLA	O1D-CGD-CBD	2.09	128.77	124.48
16	9	102	BCR	C38-C26-C25	-2.09	122.18	124.53
14	b	3029	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	j	1102	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	j	1101	CLA	O2D-CGD-CBD	2.09	114.98	111.27
14	1	804	CLA	O2D-CGD-CBD	2.09	114.98	111.27
14	2	3010	CLA	O2D-CGD-CBD	2.09	114.98	111.27
16	1	848	BCR	C8-C7-C6	-2.09	121.33	127.20
14	2	3028	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	2	3008	CLA	CBC-CAC-C3C	-2.09	106.67	112.43
14	2	3029	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	B	3028	CLA	CHD-C1D-ND	-2.09	122.54	124.45
14	2	3005	CLA	C6-C7-C8	-2.09	109.17	115.92
14	b	3011	CLA	C2A-C1A-CHA	2.09	127.51	123.86
14	b	3005	CLA	C6-C7-C8	-2.09	109.18	115.92
14	B	3039	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	B	3012	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
16	B	3048	BCR	C2-C1-C6	2.08	113.69	110.48
17	a	852	LHG	C18-C17-C16	-2.08	103.84	114.42
16	0	211	BCR	C24-C23-C22	-2.08	123.09	126.23
16	b	3045	BCR	C8-C7-C6	-2.08	121.35	127.20
16	f	202	BCR	C38-C26-C25	-2.08	122.19	124.53
17	l	201	LHG	C11-C10-C9	-2.08	103.85	114.42
14	B	3012	CLA	CHD-C1D-ND	-2.08	122.54	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	839	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	1	832	CLA	CHD-C1D-ND	-2.08	122.54	124.45
16	l	204	BCR	C15-C14-C13	-2.08	124.34	127.31
14	b	3008	CLA	CBC-CAC-C3C	-2.08	106.69	112.43
14	A	810	CLA	CHD-C1D-ND	-2.08	122.54	124.45
16	b	3048	BCR	C2-C1-C6	2.08	113.69	110.48
14	B	3010	CLA	O2D-CGD-CBD	2.08	114.97	111.27
16	l	210	BCR	C24-C23-C22	-2.08	123.09	126.23
14	2	3037	CLA	CHB-C4A-NA	2.08	127.39	124.51
14	2	3012	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
17	0	201	LHG	C11-C10-C9	-2.08	103.88	114.42
14	1	835	CLA	O2D-CGD-CBD	2.08	114.96	111.27
14	L	201	CLA	O1D-CGD-CBD	2.08	128.73	124.48
16	A	851	BCR	C38-C26-C25	-2.08	122.20	124.53
16	2	3045	BCR	C8-C7-C6	-2.08	121.37	127.20
14	B	3005	CLA	C6-C7-C8	-2.08	109.21	115.92
14	1	804	CLA	C3C-C4C-NC	-2.08	108.24	110.57
14	B	3017	CLA	C11-C10-C8	-2.08	109.21	115.92
14	a	838	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
17	L	207	LHG	C11-C10-C9	-2.08	103.89	114.42
16	b	3049	BCR	C8-C7-C6	-2.08	121.37	127.20
14	b	3017	CLA	C11-C10-C8	-2.07	109.21	115.92
14	A	804	CLA	O2D-CGD-CBD	2.07	114.95	111.27
14	1	829	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	1	808	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	b	3010	CLA	O2D-CGD-CBD	2.07	114.95	111.27
14	a	805	CLA	C1-O2A-CGA	2.07	121.88	116.44
14	B	3029	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
16	B	3045	BCR	C8-C7-C6	-2.07	121.38	127.20
16	J	103	BCR	C8-C7-C6	-2.07	121.38	127.20
14	a	802	CLA	O1D-CGD-CBD	2.07	128.72	124.48
16	1	848	BCR	C36-C18-C17	-2.07	120.02	122.92
16	f	205	BCR	C20-C21-C22	-2.07	124.36	127.31
16	0	205	BCR	C15-C14-C13	-2.07	124.36	127.31
14	A	835	CLA	O2D-CGD-CBD	2.07	114.95	111.27
14	A	829	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
16	a	850	BCR	C38-C26-C25	-2.07	122.20	124.53
14	2	3017	CLA	C11-C10-C8	-2.07	109.23	115.92
14	a	807	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
14	b	3010	CLA	C11-C10-C8	-2.07	109.23	115.92
16	2	3048	BCR	C2-C1-C6	2.07	113.67	110.48
14	K	102	CLA	CHD-C1D-ND	-2.07	122.55	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	840	CLA	CHD-C1D-ND	-2.07	122.55	124.45
16	B	3052	BCR	C15-C14-C13	-2.07	124.36	127.31
16	1	847	BCR	C38-C26-C25	-2.07	122.21	124.53
14	B	3005	CLA	CAC-C3C-C2C	-2.07	123.99	127.53
14	8	101	CLA	CHD-C1D-ND	-2.07	122.56	124.45
16	a	848	BCR	C36-C18-C17	-2.07	120.03	122.92
14	B	3007	CLA	O1D-CGD-CBD	2.07	128.71	124.48
16	j	1104	BCR	C8-C7-C6	-2.07	121.40	127.20
14	A	804	CLA	C3C-C4C-NC	-2.07	108.25	110.57
14	J	101	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	2	3040	CLA	O2D-CGD-CBD	2.06	114.94	111.27
14	1	806	CLA	O1D-CGD-CBD	2.06	128.71	124.48
14	a	834	CLA	O2D-CGD-CBD	2.06	114.93	111.27
14	B	3010	CLA	C11-C10-C8	-2.06	109.25	115.92
14	B	3037	CLA	CHB-C4A-NA	2.06	127.36	124.51
16	8	103	BCR	C8-C7-C6	-2.06	121.41	127.20
14	b	3028	CLA	CHD-C1D-ND	-2.06	122.56	124.45
16	B	3049	BCR	C37-C22-C23	2.06	121.32	118.08
14	A	819	CLA	CHD-C1D-ND	-2.06	122.56	124.45
16	1	850	BCR	C38-C26-C25	-2.06	122.22	124.53
14	B	3040	CLA	O2D-CGD-CBD	2.06	114.93	111.27
16	j	1105	BCR	C28-C27-C26	-2.06	110.40	114.08
16	2	3049	BCR	C37-C22-C23	2.06	121.32	118.08
16	6	202	BCR	C38-C26-C25	-2.06	122.22	124.53
14	a	828	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	A	830	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	b	3012	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
16	b	3049	BCR	C37-C22-C23	2.06	121.32	118.08
14	a	809	CLA	C2D-C1D-ND	-2.06	108.59	110.10
14	2	3010	CLA	C11-C10-C8	-2.06	109.27	115.92
16	a	845	BCR	C16-C15-C14	-2.06	119.26	123.47
14	a	820	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	B	3034	CLA	CAA-CBA-CGA	-2.06	107.25	113.25
16	8	104	BCR	C28-C27-C26	-2.06	110.41	114.08
16	6	205	BCR	C20-C21-C22	-2.06	124.38	127.31
16	A	846	BCR	C16-C15-C14	-2.06	119.26	123.47
14	A	821	CLA	O2A-CGA-O1A	-2.06	118.41	123.59
16	J	104	BCR	C28-C27-C26	-2.05	110.41	114.08
14	b	3037	CLA	CHB-C4A-NA	2.05	127.35	124.51
14	1	830	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
14	a	837	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	B	3031	CLA	CHB-C4A-NA	2.05	127.35	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3011	CLA	C2A-C1A-CHA	2.05	127.44	123.86
14	b	3031	CLA	CHB-C4A-NA	2.05	127.35	124.51
16	a	845	BCR	C16-C17-C18	-2.05	124.39	127.31
14	1	802	CLA	O1D-CGD-CBD	2.05	128.68	124.48
16	B	3047	BCR	C16-C17-C18	-2.05	124.39	127.31
14	B	3039	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
16	9	102	BCR	C16-C15-C14	-2.05	119.28	123.47
14	2	3007	CLA	O1D-CGD-CBD	2.05	128.67	124.48
16	2	3046	BCR	C37-C22-C21	-2.05	120.06	122.92
14	2	3034	CLA	CAA-CBA-CGA	-2.05	107.28	113.25
16	J	104	BCR	C16-C15-C14	-2.05	119.28	123.47
16	A	846	BCR	C28-C27-C26	-2.05	110.42	114.08
14	a	829	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
16	B	3049	BCR	C7-C8-C9	-2.04	123.15	126.23
14	a	817	CLA	C2D-C1D-ND	-2.04	108.60	110.10
14	b	3034	CLA	CAA-CBA-CGA	-2.04	107.28	113.25
16	2	3047	BCR	C16-C17-C18	-2.04	124.39	127.31
14	1	839	CLA	CHD-C1D-ND	-2.04	122.58	124.45
16	1	204	BCR	C1-C6-C5	-2.04	119.74	122.61
14	1	821	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	b	3005	CLA	CAC-C3C-C2C	-2.04	124.04	127.53
16	a	845	BCR	C28-C27-C26	-2.04	110.43	114.08
14	2	3006	CLA	C3C-C4C-NC	-2.04	108.28	110.57
16	2	3049	BCR	C7-C8-C9	-2.04	123.15	126.23
14	2	3031	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	2	3005	CLA	CAC-C3C-C2C	-2.04	124.04	127.53
14	b	3038	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	1	838	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	A	806	CLA	C1-O2A-CGA	2.04	121.79	116.44
14	B	3020	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
16	f	205	BCR	C37-C22-C23	2.04	121.29	118.08
14	1	806	CLA	C1-O2A-CGA	2.04	121.79	116.44
16	j	1105	BCR	C16-C15-C14	-2.04	119.30	123.47
16	a	850	BCR	C24-C23-C22	-2.04	123.16	126.23
14	b	3020	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
16	9	102	BCR	C16-C17-C18	-2.03	124.41	127.31
14	A	806	CLA	O1D-CGD-CBD	2.03	128.65	124.48
14	B	3006	CLA	C3C-C4C-NC	-2.03	108.29	110.57
16	A	849	BCR	C2-C1-C6	2.03	113.61	110.48
20	b	3050	LMG	C22-C21-C20	-2.03	104.10	114.42
16	F	205	BCR	C20-C21-C22	-2.03	124.41	127.31
14	B	3016	CLA	O2A-CGA-O1A	-2.03	118.46	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	3026	CLA	CED-O2D-CGD	-2.03	111.34	115.94
16	1	850	BCR	C24-C23-C22	-2.03	123.17	126.23
14	2	3032	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
14	b	3032	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
17	b	3051	LHG	C11-C10-C9	-2.03	104.12	114.42
16	0	205	BCR	C1-C6-C5	-2.03	119.75	122.61
14	a	829	CLA	O1D-CGD-CBD	2.03	128.64	124.48
14	B	3032	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
16	b	3049	BCR	C7-C8-C9	-2.03	123.17	126.23
16	1	848	BCR	C2-C1-C6	2.03	113.60	110.48
20	b	3050	LMG	O1-C1-C2	-2.03	105.14	108.30
14	b	3026	CLA	CED-O2D-CGD	-2.03	111.35	115.94
14	a	837	CLA	O1D-CGD-CBD	2.03	128.63	124.48
16	b	3046	BCR	C37-C22-C21	-2.03	120.08	122.92
14	a	802	CLA	C2D-C1D-ND	-2.03	108.61	110.10
14	L	204	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	a	812	CLA	CHD-C1D-ND	-2.03	122.59	124.45
16	A	851	BCR	C24-C23-C22	-2.03	123.17	126.23
16	B	3052	BCR	C1-C6-C5	-2.03	119.76	122.61
14	A	838	CLA	O1D-CGD-CBD	2.03	128.63	124.48
20	2	3050	LMG	C22-C21-C20	-2.03	104.14	114.42
16	a	845	BCR	C8-C7-C6	-2.03	121.51	127.20
16	a	846	BCR	C15-C14-C13	-2.02	124.42	127.31
14	a	811	CLA	O1D-CGD-CBD	2.02	128.63	124.48
14	A	839	CLA	CHD-C1D-ND	-2.02	122.59	124.45
16	A	851	BCR	C35-C13-C14	-2.02	120.09	122.92
14	B	3038	CLA	CHD-C1D-ND	-2.02	122.59	124.45
17	B	3051	LHG	C11-C10-C9	-2.02	104.16	114.42
14	b	3007	CLA	O1D-CGD-CBD	2.02	128.62	124.48
14	A	802	CLA	O1D-CGD-CBD	2.02	128.62	124.48
14	a	834	CLA	CMC-C2C-C1C	-2.02	121.96	125.04
14	b	3028	CLA	CBA-CAA-C2A	2.02	119.83	113.86
14	1	812	CLA	O1D-CGD-CBD	2.02	128.62	124.48
16	M	1602	BCR	C7-C8-C9	-2.02	123.18	126.23
14	1	830	CLA	O1D-CGD-CBD	2.02	128.62	124.48
20	B	3050	LMG	C22-C21-C20	-2.02	104.17	114.42
14	2	3020	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
16	8	104	BCR	C16-C15-C14	-2.02	119.34	123.47
16	b	3045	BCR	C27-C26-C25	2.02	125.66	122.73
17	2	3051	LHG	C11-C10-C9	-2.02	104.17	114.42
14	1	823	CLA	O2A-CGA-O1A	-2.02	118.27	123.30
17	1	202	LHG	C20-C19-C18	-2.02	104.18	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	9	102	BCR	C28-C27-C26	-2.02	110.47	114.08
14	2	3026	CLA	CED-O2D-CGD	-2.02	111.37	115.94
14	2	3039	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	1	838	CLA	O1D-CGD-CBD	2.02	128.61	124.48
20	2	3050	LMG	O1-C1-C2	-2.02	105.15	108.30
16	9	102	BCR	C36-C18-C17	-2.02	120.10	122.92
14	1	835	CLA	CMC-C2C-C1C	-2.02	121.97	125.04
17	0	202	LHG	C20-C19-C18	-2.02	104.19	114.42
14	A	830	CLA	O1D-CGD-CBD	2.02	128.61	124.48
17	L	208	LHG	C20-C19-C18	-2.02	104.19	114.42
16	a	850	BCR	C35-C13-C14	-2.02	120.10	122.92
14	k	102	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	b	3039	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
16	F	205	BCR	C37-C22-C23	2.01	121.25	118.08
14	B	3030	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	6	204	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	B	3028	CLA	CBA-CAA-C2A	2.01	119.81	113.86
14	a	819	CLA	C3C-C4C-NC	-2.01	108.31	110.57
14	b	3016	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
16	A	846	BCR	C16-C17-C18	-2.01	124.44	127.31
14	2	3016	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	l	207	CLA	CHD-C1D-ND	-2.01	122.60	124.45
14	2	3028	CLA	CBA-CAA-C2A	2.01	119.81	113.86
14	6	203	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
14	2	3030	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	a	809	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	2	3038	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	B	3024	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
14	b	3007	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
16	A	846	BCR	C36-C18-C17	-2.01	120.11	122.92
14	f	204	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
16	a	848	BCR	C2-C1-C6	2.01	113.57	110.48
14	A	834	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
14	A	812	CLA	O1D-CGD-CBD	2.01	128.59	124.48
16	B	3046	BCR	C37-C22-C21	-2.01	120.11	122.92
14	a	805	CLA	O1D-CGD-CBD	2.01	128.59	124.48
14	F	204	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	2	3007	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
16	y	101	BCR	C7-C8-C9	-2.01	123.20	126.23
14	a	837	CLA	CBA-CAA-C2A	-2.01	107.94	113.86
14	A	818	CLA	C2D-C1D-ND	-2.00	108.63	110.10
14	b	3024	CLA	O2A-CGA-O1A	-2.00	118.31	123.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	834	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
14	8	101	CLA	O1D-CGD-CBD	2.00	128.58	124.48
16	6	205	BCR	C37-C22-C23	2.00	121.23	118.08
16	2	3045	BCR	C27-C26-C25	2.00	125.64	122.73
20	B	3050	LMG	O1-C1-C2	-2.00	105.18	108.30
16	a	845	BCR	C36-C18-C17	-2.00	120.12	122.92
14	f	203	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
16	A	846	BCR	C8-C7-C6	-2.00	121.58	127.20
14	A	823	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
14	B	3005	CLA	C3A-C2A-C1A	2.00	104.33	101.34
14	B	3007	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
14	B	3021	CLA	C7-C6-C5	-2.00	107.93	113.36

All (285) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
13	A	801	CL0	NC
13	A	801	CL0	NA
13	A	801	CL0	ND
13	a	801	CL0	NC
13	a	801	CL0	NA
13	a	801	CL0	ND
13	1	801	CL0	NC
13	1	801	CL0	NA
13	1	801	CL0	ND
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

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
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
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	844	CLA	ND
14	A	855	CLA	ND
14	B	3003	CLA	ND
14	B	3004	CLA	ND
14	B	3005	CLA	ND
14	B	3006	CLA	ND
14	B	3007	CLA	ND
14	B	3008	CLA	ND
14	B	3009	CLA	ND
14	B	3010	CLA	ND
14	B	3011	CLA	ND
14	B	3012	CLA	ND
14	B	3014	CLA	ND
14	B	3015	CLA	ND
14	B	3016	CLA	ND
14	B	3017	CLA	ND
14	B	3019	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	B	3020	CLA	ND
14	B	3021	CLA	ND
14	B	3022	CLA	ND
14	B	3023	CLA	ND
14	B	3025	CLA	ND
14	B	3026	CLA	ND
14	B	3027	CLA	ND
14	B	3028	CLA	ND
14	B	3029	CLA	ND
14	B	3030	CLA	ND
14	B	3031	CLA	ND
14	B	3032	CLA	ND
14	B	3033	CLA	ND
14	B	3034	CLA	ND
14	B	3035	CLA	ND
14	B	3036	CLA	ND
14	B	3037	CLA	ND
14	B	3038	CLA	ND
14	B	3039	CLA	ND
14	B	3041	CLA	ND
14	B	3042	CLA	ND
14	F	201	CLA	ND
14	F	203	CLA	ND
14	F	204	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	203	CLA	ND
14	L	204	CLA	ND
14	L	205	CLA	ND
14	M	1601	CLA	ND
14	X	1701	CLA	ND
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

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
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
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	b	3003	CLA	ND
14	b	3004	CLA	ND
14	b	3005	CLA	ND
14	b	3006	CLA	ND
14	b	3007	CLA	ND
14	b	3008	CLA	ND
14	b	3009	CLA	ND
14	b	3010	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	b	3011	CLA	ND
14	b	3012	CLA	ND
14	b	3014	CLA	ND
14	b	3015	CLA	ND
14	b	3016	CLA	ND
14	b	3017	CLA	ND
14	b	3019	CLA	ND
14	b	3020	CLA	ND
14	b	3021	CLA	ND
14	b	3022	CLA	ND
14	b	3023	CLA	ND
14	b	3025	CLA	ND
14	b	3026	CLA	ND
14	b	3027	CLA	ND
14	b	3028	CLA	ND
14	b	3029	CLA	ND
14	b	3030	CLA	ND
14	b	3031	CLA	ND
14	b	3032	CLA	ND
14	b	3033	CLA	ND
14	b	3034	CLA	ND
14	b	3035	CLA	ND
14	b	3036	CLA	ND
14	b	3037	CLA	ND
14	b	3038	CLA	ND
14	b	3039	CLA	ND
14	b	3041	CLA	ND
14	b	3042	CLA	ND
14	f	201	CLA	ND
14	f	203	CLA	ND
14	f	204	CLA	ND
14	j	1101	CLA	ND
14	j	1102	CLA	ND
14	j	1103	CLA	ND
14	k	101	CLA	ND
14	k	102	CLA	ND
14	l	203	CLA	ND
14	l	206	CLA	ND
14	l	207	CLA	ND
14	l	208	CLA	ND
14	x	1701	CLA	ND
14	1	802	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	1	803	CLA	ND
14	1	804	CLA	ND
14	1	805	CLA	ND
14	1	806	CLA	ND
14	1	807	CLA	ND
14	1	808	CLA	ND
14	1	809	CLA	ND
14	1	810	CLA	ND
14	1	811	CLA	ND
14	1	812	CLA	ND
14	1	813	CLA	ND
14	1	814	CLA	ND
14	1	815	CLA	ND
14	1	816	CLA	ND
14	1	817	CLA	ND
14	1	818	CLA	ND
14	1	819	CLA	ND
14	1	820	CLA	ND
14	1	821	CLA	ND
14	1	822	CLA	ND
14	1	823	CLA	ND
14	1	824	CLA	ND
14	1	825	CLA	ND
14	1	826	CLA	ND
14	1	827	CLA	ND
14	1	828	CLA	ND
14	1	829	CLA	ND
14	1	830	CLA	ND
14	1	831	CLA	ND
14	1	832	CLA	ND
14	1	833	CLA	ND
14	1	834	CLA	ND
14	1	835	CLA	ND
14	1	836	CLA	ND
14	1	837	CLA	ND
14	1	838	CLA	ND
14	1	839	CLA	ND
14	1	840	CLA	ND
14	1	841	CLA	ND
14	1	842	CLA	ND
14	1	843	CLA	ND
14	1	844	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	2	3003	CLA	ND
14	2	3004	CLA	ND
14	2	3005	CLA	ND
14	2	3006	CLA	ND
14	2	3007	CLA	ND
14	2	3008	CLA	ND
14	2	3009	CLA	ND
14	2	3010	CLA	ND
14	2	3011	CLA	ND
14	2	3012	CLA	ND
14	2	3014	CLA	ND
14	2	3015	CLA	ND
14	2	3016	CLA	ND
14	2	3017	CLA	ND
14	2	3019	CLA	ND
14	2	3020	CLA	ND
14	2	3021	CLA	ND
14	2	3022	CLA	ND
14	2	3023	CLA	ND
14	2	3025	CLA	ND
14	2	3026	CLA	ND
14	2	3027	CLA	ND
14	2	3028	CLA	ND
14	2	3029	CLA	ND
14	2	3030	CLA	ND
14	2	3031	CLA	ND
14	2	3032	CLA	ND
14	2	3033	CLA	ND
14	2	3034	CLA	ND
14	2	3035	CLA	ND
14	2	3036	CLA	ND
14	2	3037	CLA	ND
14	2	3038	CLA	ND
14	2	3039	CLA	ND
14	2	3041	CLA	ND
14	2	3042	CLA	ND
14	6	201	CLA	ND
14	6	203	CLA	ND
14	6	204	CLA	ND
14	8	101	CLA	ND
14	8	102	CLA	ND
14	9	101	CLA	ND

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Mol	Chain	Res	Type	Atom
14	9	103	CLA	ND
14	0	203	CLA	ND
14	0	204	CLA	ND
14	0	207	CLA	ND
14	0	208	CLA	ND
14	0	209	CLA	ND
14	z	1701	CLA	ND

All (4512) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A	802	CLA	C14-C13-C15-C16
14	A	804	CLA	C1A-C2A-CAA-CBA
14	A	804	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	C1A-C2A-CAA-CBA
14	A	805	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	CHA-CBD-CGD-O1D
14	A	805	CLA	CHA-CBD-CGD-O2D
14	A	806	CLA	C1A-C2A-CAA-CBA
14	A	806	CLA	C3A-C2A-CAA-CBA
14	A	806	CLA	CAD-CBD-CGD-O1D
14	A	806	CLA	CAD-CBD-CGD-O2D
14	A	806	CLA	O2A-C1-C2-C3
14	A	806	CLA	C6-C7-C8-C9
14	A	807	CLA	C1A-C2A-CAA-CBA
14	A	809	CLA	C3A-C2A-CAA-CBA
14	A	810	CLA	CBD-CGD-O2D-CED
14	A	812	CLA	CHA-CBD-CGD-O1D
14	A	812	CLA	CHA-CBD-CGD-O2D
14	A	812	CLA	CBD-CGD-O2D-CED
14	A	814	CLA	CHA-CBD-CGD-O1D
14	A	814	CLA	CAD-CBD-CGD-O1D
14	A	814	CLA	CAD-CBD-CGD-O2D
14	A	815	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	CAD-CBD-CGD-O1D
14	A	816	CLA	CAD-CBD-CGD-O2D
14	A	816	CLA	O2A-C1-C2-C3
14	A	817	CLA	C1A-C2A-CAA-CBA
14	A	817	CLA	C3A-C2A-CAA-CBA
14	A	817	CLA	CBD-CGD-O2D-CED
14	A	820	CLA	C1A-C2A-CAA-CBA
14	A	820	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	821	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C3A-C2A-CAA-CBA
14	A	824	CLA	C3A-C2A-CAA-CBA
14	A	825	CLA	C2A-CAA-CBA-CGA
14	A	825	CLA	CHA-CBD-CGD-O1D
14	A	825	CLA	CHA-CBD-CGD-O2D
14	A	829	CLA	O2A-C1-C2-C3
14	A	830	CLA	CHA-CBD-CGD-O1D
14	A	830	CLA	CHA-CBD-CGD-O2D
14	A	835	CLA	CHA-CBD-CGD-O1D
14	A	835	CLA	CHA-CBD-CGD-O2D
14	A	836	CLA	C4-C3-C5-C6
14	A	837	CLA	CHA-CBD-CGD-O1D
14	A	837	CLA	CHA-CBD-CGD-O2D
14	A	839	CLA	CHA-CBD-CGD-O1D
14	A	839	CLA	CHA-CBD-CGD-O2D
14	A	839	CLA	CAD-CBD-CGD-O1D
14	A	839	CLA	CAD-CBD-CGD-O2D
14	B	3003	CLA	CHA-CBD-CGD-O1D
14	B	3003	CLA	CHA-CBD-CGD-O2D
14	B	3003	CLA	CAD-CBD-CGD-O1D
14	B	3004	CLA	CHA-CBD-CGD-O1D
14	B	3004	CLA	CHA-CBD-CGD-O2D
14	B	3005	CLA	C4C-C3C-CAC-CBC
14	B	3005	CLA	CBD-CGD-O2D-CED
14	B	3007	CLA	C3A-C2A-CAA-CBA
14	B	3007	CLA	CHA-CBD-CGD-O1D
14	B	3007	CLA	CHA-CBD-CGD-O2D
14	B	3007	CLA	CAD-CBD-CGD-O1D
14	B	3007	CLA	CAD-CBD-CGD-O2D
14	B	3011	CLA	C1A-C2A-CAA-CBA
14	B	3011	CLA	C2A-CAA-CBA-CGA
14	B	3012	CLA	CAD-CBD-CGD-O1D
14	B	3012	CLA	CAD-CBD-CGD-O2D
14	B	3014	CLA	C1A-C2A-CAA-CBA
14	B	3014	CLA	C3A-C2A-CAA-CBA
14	B	3016	CLA	C2-C3-C5-C6
14	B	3016	CLA	C4-C3-C5-C6
14	B	3016	CLA	C11-C10-C8-C7
14	B	3017	CLA	C2C-C3C-CAC-CBC
14	B	3017	CLA	C4C-C3C-CAC-CBC
14	B	3018	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B	3018	CLA	C3A-C2A-CAA-CBA
14	B	3018	CLA	C2-C3-C5-C6
14	B	3018	CLA	C4-C3-C5-C6
14	B	3019	CLA	C3A-C2A-CAA-CBA
14	B	3019	CLA	C2-C3-C5-C6
14	B	3019	CLA	C4-C3-C5-C6
14	B	3020	CLA	CBD-CGD-O2D-CED
14	B	3027	CLA	CHA-CBD-CGD-O1D
14	B	3027	CLA	CHA-CBD-CGD-O2D
14	B	3028	CLA	C1A-C2A-CAA-CBA
14	B	3028	CLA	C3A-C2A-CAA-CBA
14	B	3031	CLA	C1A-C2A-CAA-CBA
14	B	3031	CLA	C3A-C2A-CAA-CBA
14	B	3033	CLA	CAD-CBD-CGD-O1D
14	B	3035	CLA	CBD-CGD-O2D-CED
14	B	3036	CLA	CBD-CGD-O2D-CED
14	B	3037	CLA	C1A-C2A-CAA-CBA
14	B	3037	CLA	C3A-C2A-CAA-CBA
14	B	3039	CLA	CHA-CBD-CGD-O1D
14	B	3041	CLA	C2A-CAA-CBA-CGA
14	B	3042	CLA	C1A-C2A-CAA-CBA
14	B	3042	CLA	C3A-C2A-CAA-CBA
14	F	201	CLA	CHA-CBD-CGD-O1D
14	F	201	CLA	CHA-CBD-CGD-O2D
14	F	203	CLA	CBD-CGD-O2D-CED
14	F	204	CLA	CBD-CGD-O2D-CED
14	K	101	CLA	CAD-CBD-CGD-O1D
14	K	101	CLA	CAD-CBD-CGD-O2D
14	K	101	CLA	CBD-CGD-O2D-CED
14	K	102	CLA	CHA-CBD-CGD-O1D
14	K	102	CLA	CHA-CBD-CGD-O2D
14	K	102	CLA	CAD-CBD-CGD-O1D
14	K	102	CLA	CAD-CBD-CGD-O2D
14	L	203	CLA	C1A-C2A-CAA-CBA
14	L	203	CLA	C3A-C2A-CAA-CBA
14	X	1701	CLA	CHA-CBD-CGD-O1D
14	X	1701	CLA	CHA-CBD-CGD-O2D
14	X	1701	CLA	CBD-CGD-O2D-CED
14	a	802	CLA	C14-C13-C15-C16
14	a	804	CLA	C1A-C2A-CAA-CBA
14	a	804	CLA	C3A-C2A-CAA-CBA
14	a	804	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
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	CAD-CBD-CGD-O1D
14	a	805	CLA	CAD-CBD-CGD-O2D
14	a	805	CLA	O2A-C1-C2-C3
14	a	806	CLA	C1A-C2A-CAA-CBA
14	a	808	CLA	C3A-C2A-CAA-CBA
14	a	809	CLA	CBD-CGD-O2D-CED
14	a	811	CLA	CHA-CBD-CGD-O1D
14	a	811	CLA	CHA-CBD-CGD-O2D
14	a	811	CLA	CBD-CGD-O2D-CED
14	a	813	CLA	CHA-CBD-CGD-O1D
14	a	813	CLA	CAD-CBD-CGD-O1D
14	a	813	CLA	CAD-CBD-CGD-O2D
14	a	814	CLA	CBD-CGD-O2D-CED
14	a	815	CLA	CAD-CBD-CGD-O1D
14	a	815	CLA	CAD-CBD-CGD-O2D
14	a	815	CLA	O2A-C1-C2-C3
14	a	816	CLA	C1A-C2A-CAA-CBA
14	a	816	CLA	C3A-C2A-CAA-CBA
14	a	816	CLA	CBD-CGD-O2D-CED
14	a	819	CLA	C1A-C2A-CAA-CBA
14	a	819	CLA	C3A-C2A-CAA-CBA
14	a	820	CLA	C1A-C2A-CAA-CBA
14	a	820	CLA	C3A-C2A-CAA-CBA
14	a	823	CLA	C3A-C2A-CAA-CBA
14	a	824	CLA	C2A-CAA-CBA-CGA
14	a	824	CLA	CHA-CBD-CGD-O1D
14	a	824	CLA	CHA-CBD-CGD-O2D
14	a	828	CLA	O2A-C1-C2-C3
14	a	829	CLA	CHA-CBD-CGD-O1D
14	a	829	CLA	CHA-CBD-CGD-O2D
14	a	834	CLA	CHA-CBD-CGD-O1D
14	a	834	CLA	CHA-CBD-CGD-O2D
14	a	835	CLA	C4-C3-C5-C6
14	a	836	CLA	CHA-CBD-CGD-O1D
14	a	836	CLA	CHA-CBD-CGD-O2D
14	a	838	CLA	CHA-CBD-CGD-O1D
14	a	838	CLA	CHA-CBD-CGD-O2D
14	a	838	CLA	CAD-CBD-CGD-O1D
14	a	838	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	b	3003	CLA	CHA-CBD-CGD-O1D
14	b	3003	CLA	CHA-CBD-CGD-O2D
14	b	3003	CLA	CAD-CBD-CGD-O1D
14	b	3004	CLA	CHA-CBD-CGD-O1D
14	b	3004	CLA	CHA-CBD-CGD-O2D
14	b	3005	CLA	C4C-C3C-CAC-CBC
14	b	3005	CLA	CBD-CGD-O2D-CED
14	b	3007	CLA	C3A-C2A-CAA-CBA
14	b	3007	CLA	CHA-CBD-CGD-O1D
14	b	3007	CLA	CHA-CBD-CGD-O2D
14	b	3007	CLA	CAD-CBD-CGD-O1D
14	b	3007	CLA	CAD-CBD-CGD-O2D
14	b	3011	CLA	C1A-C2A-CAA-CBA
14	b	3011	CLA	C2A-CAA-CBA-CGA
14	b	3012	CLA	CAD-CBD-CGD-O1D
14	b	3012	CLA	CAD-CBD-CGD-O2D
14	b	3014	CLA	C1A-C2A-CAA-CBA
14	b	3014	CLA	C3A-C2A-CAA-CBA
14	b	3016	CLA	C2-C3-C5-C6
14	b	3016	CLA	C4-C3-C5-C6
14	b	3016	CLA	C11-C10-C8-C7
14	b	3017	CLA	C2C-C3C-CAC-CBC
14	b	3017	CLA	C4C-C3C-CAC-CBC
14	b	3018	CLA	C1A-C2A-CAA-CBA
14	b	3018	CLA	C3A-C2A-CAA-CBA
14	b	3018	CLA	C2-C3-C5-C6
14	b	3018	CLA	C4-C3-C5-C6
14	b	3019	CLA	C3A-C2A-CAA-CBA
14	b	3019	CLA	C2-C3-C5-C6
14	b	3019	CLA	C4-C3-C5-C6
14	b	3020	CLA	CBD-CGD-O2D-CED
14	b	3027	CLA	CHA-CBD-CGD-O1D
14	b	3027	CLA	CHA-CBD-CGD-O2D
14	b	3028	CLA	C1A-C2A-CAA-CBA
14	b	3028	CLA	C3A-C2A-CAA-CBA
14	b	3031	CLA	C1A-C2A-CAA-CBA
14	b	3031	CLA	C3A-C2A-CAA-CBA
14	b	3033	CLA	CAD-CBD-CGD-O1D
14	b	3035	CLA	CBD-CGD-O2D-CED
14	b	3036	CLA	CBD-CGD-O2D-CED
14	b	3037	CLA	C1A-C2A-CAA-CBA
14	b	3037	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	b	3039	CLA	CHA-CBD-CGD-O1D
14	b	3041	CLA	C2A-CAA-CBA-CGA
14	b	3042	CLA	C1A-C2A-CAA-CBA
14	b	3042	CLA	C3A-C2A-CAA-CBA
14	f	201	CLA	CHA-CBD-CGD-O1D
14	f	201	CLA	CHA-CBD-CGD-O2D
14	f	203	CLA	CBD-CGD-O2D-CED
14	f	204	CLA	CBD-CGD-O2D-CED
14	j	1101	CLA	C1A-C2A-CAA-CBA
14	j	1101	CLA	C3A-C2A-CAA-CBA
14	k	101	CLA	CAD-CBD-CGD-O1D
14	k	101	CLA	CAD-CBD-CGD-O2D
14	k	101	CLA	CBD-CGD-O2D-CED
14	k	102	CLA	CHA-CBD-CGD-O1D
14	k	102	CLA	CHA-CBD-CGD-O2D
14	k	102	CLA	CAD-CBD-CGD-O1D
14	k	102	CLA	CAD-CBD-CGD-O2D
14	l	206	CLA	C1A-C2A-CAA-CBA
14	l	206	CLA	C3A-C2A-CAA-CBA
14	x	1701	CLA	CHA-CBD-CGD-O1D
14	x	1701	CLA	CHA-CBD-CGD-O2D
14	x	1701	CLA	CBD-CGD-O2D-CED
14	1	802	CLA	C14-C13-C15-C16
14	1	804	CLA	C1A-C2A-CAA-CBA
14	1	804	CLA	C3A-C2A-CAA-CBA
14	1	805	CLA	C1A-C2A-CAA-CBA
14	1	805	CLA	C3A-C2A-CAA-CBA
14	1	805	CLA	CHA-CBD-CGD-O1D
14	1	805	CLA	CHA-CBD-CGD-O2D
14	1	806	CLA	C1A-C2A-CAA-CBA
14	1	806	CLA	C3A-C2A-CAA-CBA
14	1	806	CLA	CAD-CBD-CGD-O1D
14	1	806	CLA	CAD-CBD-CGD-O2D
14	1	806	CLA	O2A-C1-C2-C3
14	1	807	CLA	C1A-C2A-CAA-CBA
14	1	809	CLA	C3A-C2A-CAA-CBA
14	1	810	CLA	CBD-CGD-O2D-CED
14	1	812	CLA	CHA-CBD-CGD-O1D
14	1	812	CLA	CHA-CBD-CGD-O2D
14	1	812	CLA	CBD-CGD-O2D-CED
14	1	814	CLA	CHA-CBD-CGD-O1D
14	1	814	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	1	814	CLA	CAD-CBD-CGD-O2D
14	1	815	CLA	CBD-CGD-O2D-CED
14	1	816	CLA	CAD-CBD-CGD-O1D
14	1	816	CLA	CAD-CBD-CGD-O2D
14	1	816	CLA	O2A-C1-C2-C3
14	1	817	CLA	C1A-C2A-CAA-CBA
14	1	817	CLA	C3A-C2A-CAA-CBA
14	1	817	CLA	CBD-CGD-O2D-CED
14	1	820	CLA	C1A-C2A-CAA-CBA
14	1	820	CLA	C3A-C2A-CAA-CBA
14	1	821	CLA	C1A-C2A-CAA-CBA
14	1	821	CLA	C3A-C2A-CAA-CBA
14	1	824	CLA	C3A-C2A-CAA-CBA
14	1	825	CLA	C2A-CAA-CBA-CGA
14	1	825	CLA	CHA-CBD-CGD-O1D
14	1	825	CLA	CHA-CBD-CGD-O2D
14	1	829	CLA	O2A-C1-C2-C3
14	1	830	CLA	CHA-CBD-CGD-O1D
14	1	830	CLA	CHA-CBD-CGD-O2D
14	1	835	CLA	CHA-CBD-CGD-O1D
14	1	835	CLA	CHA-CBD-CGD-O2D
14	1	836	CLA	C4-C3-C5-C6
14	1	837	CLA	CHA-CBD-CGD-O1D
14	1	837	CLA	CHA-CBD-CGD-O2D
14	1	839	CLA	CHA-CBD-CGD-O1D
14	1	839	CLA	CHA-CBD-CGD-O2D
14	1	839	CLA	CAD-CBD-CGD-O1D
14	1	839	CLA	CAD-CBD-CGD-O2D
14	2	3003	CLA	CHA-CBD-CGD-O1D
14	2	3003	CLA	CHA-CBD-CGD-O2D
14	2	3003	CLA	CAD-CBD-CGD-O1D
14	2	3004	CLA	CHA-CBD-CGD-O1D
14	2	3004	CLA	CHA-CBD-CGD-O2D
14	2	3005	CLA	C4C-C3C-CAC-CBC
14	2	3005	CLA	CBD-CGD-O2D-CED
14	2	3007	CLA	C3A-C2A-CAA-CBA
14	2	3007	CLA	CHA-CBD-CGD-O1D
14	2	3007	CLA	CHA-CBD-CGD-O2D
14	2	3007	CLA	CAD-CBD-CGD-O1D
14	2	3007	CLA	CAD-CBD-CGD-O2D
14	2	3011	CLA	C1A-C2A-CAA-CBA
14	2	3011	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	2	3012	CLA	CAD-CBD-CGD-O1D
14	2	3012	CLA	CAD-CBD-CGD-O2D
14	2	3014	CLA	C1A-C2A-CAA-CBA
14	2	3014	CLA	C3A-C2A-CAA-CBA
14	2	3016	CLA	C2-C3-C5-C6
14	2	3016	CLA	C4-C3-C5-C6
14	2	3016	CLA	C11-C10-C8-C7
14	2	3017	CLA	C2C-C3C-CAC-CBC
14	2	3017	CLA	C4C-C3C-CAC-CBC
14	2	3018	CLA	C1A-C2A-CAA-CBA
14	2	3018	CLA	C3A-C2A-CAA-CBA
14	2	3018	CLA	C2-C3-C5-C6
14	2	3018	CLA	C4-C3-C5-C6
14	2	3019	CLA	C3A-C2A-CAA-CBA
14	2	3019	CLA	C2-C3-C5-C6
14	2	3019	CLA	C4-C3-C5-C6
14	2	3020	CLA	CBD-CGD-O2D-CED
14	2	3027	CLA	CHA-CBD-CGD-O1D
14	2	3027	CLA	CHA-CBD-CGD-O2D
14	2	3028	CLA	C1A-C2A-CAA-CBA
14	2	3028	CLA	C3A-C2A-CAA-CBA
14	2	3031	CLA	C1A-C2A-CAA-CBA
14	2	3031	CLA	C3A-C2A-CAA-CBA
14	2	3033	CLA	CAD-CBD-CGD-O1D
14	2	3035	CLA	CBD-CGD-O2D-CED
14	2	3036	CLA	CBD-CGD-O2D-CED
14	2	3037	CLA	C1A-C2A-CAA-CBA
14	2	3037	CLA	C3A-C2A-CAA-CBA
14	2	3039	CLA	CHA-CBD-CGD-O1D
14	2	3041	CLA	C2A-CAA-CBA-CGA
14	2	3042	CLA	C1A-C2A-CAA-CBA
14	2	3042	CLA	C3A-C2A-CAA-CBA
14	6	201	CLA	CHA-CBD-CGD-O1D
14	6	201	CLA	CHA-CBD-CGD-O2D
14	6	203	CLA	CBD-CGD-O2D-CED
14	6	204	CLA	CBD-CGD-O2D-CED
14	9	101	CLA	C1A-C2A-CAA-CBA
14	9	101	CLA	CAD-CBD-CGD-O1D
14	9	101	CLA	CAD-CBD-CGD-O2D
14	9	101	CLA	CBD-CGD-O2D-CED
14	9	103	CLA	CHA-CBD-CGD-O1D
14	9	103	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	9	103	CLA	CAD-CBD-CGD-O1D
14	9	103	CLA	CAD-CBD-CGD-O2D
14	0	207	CLA	C1A-C2A-CAA-CBA
14	0	207	CLA	C3A-C2A-CAA-CBA
14	z	1701	CLA	CHA-CBD-CGD-O1D
14	z	1701	CLA	CHA-CBD-CGD-O2D
14	z	1701	CLA	CBD-CGD-O2D-CED
16	A	846	BCR	C7-C8-C9-C34
16	A	846	BCR	C9-C10-C11-C12
16	A	846	BCR	C10-C11-C12-C13
16	A	847	BCR	C7-C8-C9-C34
16	A	847	BCR	C11-C12-C13-C35
16	A	847	BCR	C16-C17-C18-C36
16	A	847	BCR	C17-C18-C19-C20
16	A	847	BCR	C22-C23-C24-C25
16	A	848	BCR	C1-C6-C7-C8
16	A	848	BCR	C6-C7-C8-C9
16	A	848	BCR	C11-C12-C13-C35
16	A	848	BCR	C14-C15-C16-C17
16	A	848	BCR	C16-C17-C18-C19
16	A	848	BCR	C16-C17-C18-C36
16	A	848	BCR	C20-C21-C22-C23
16	A	848	BCR	C20-C21-C22-C37
16	A	849	BCR	C20-C21-C22-C37
16	A	849	BCR	C23-C24-C25-C26
16	A	849	BCR	C23-C24-C25-C30
16	A	850	BCR	C37-C22-C23-C24
16	A	851	BCR	C7-C8-C9-C34
16	A	851	BCR	C11-C10-C9-C8
16	A	851	BCR	C35-C13-C14-C15
16	A	851	BCR	C16-C17-C18-C19
16	A	851	BCR	C18-C19-C20-C21
16	A	851	BCR	C20-C21-C22-C23
16	A	851	BCR	C20-C21-C22-C37
16	A	851	BCR	C37-C22-C23-C24
16	A	851	BCR	C22-C23-C24-C25
16	A	852	BCR	C5-C6-C7-C8
16	A	852	BCR	C7-C8-C9-C34
16	A	852	BCR	C10-C11-C12-C13
16	A	852	BCR	C11-C12-C13-C14
16	A	852	BCR	C16-C17-C18-C36
16	B	3044	BCR	C7-C8-C9-C10

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
16	B	3044	BCR	C17-C18-C19-C20
16	B	3044	BCR	C36-C18-C19-C20
16	B	3044	BCR	C21-C22-C23-C24
16	B	3045	BCR	C6-C7-C8-C9
16	B	3045	BCR	C7-C8-C9-C10
16	B	3045	BCR	C7-C8-C9-C34
16	B	3045	BCR	C21-C22-C23-C24
16	B	3046	BCR	C7-C8-C9-C34
16	B	3046	BCR	C17-C18-C19-C20
16	B	3046	BCR	C18-C19-C20-C21
16	B	3046	BCR	C20-C21-C22-C23
16	B	3046	BCR	C20-C21-C22-C37
16	B	3046	BCR	C37-C22-C23-C24
16	B	3046	BCR	C22-C23-C24-C25
16	B	3047	BCR	C7-C8-C9-C34
16	B	3047	BCR	C11-C10-C9-C34
16	B	3047	BCR	C12-C13-C14-C15
16	B	3047	BCR	C35-C13-C14-C15
16	B	3047	BCR	C23-C24-C25-C30
16	B	3048	BCR	C6-C7-C8-C9
16	B	3048	BCR	C10-C11-C12-C13
16	B	3048	BCR	C11-C12-C13-C14
16	B	3048	BCR	C11-C12-C13-C35
16	B	3048	BCR	C36-C18-C19-C20
16	B	3052	BCR	C7-C8-C9-C34
16	B	3052	BCR	C11-C12-C13-C35
16	B	3052	BCR	C20-C21-C22-C23
16	B	3052	BCR	C20-C21-C22-C37
16	B	3053	BCR	C1-C6-C7-C8
16	B	3053	BCR	C16-C17-C18-C19
16	B	3053	BCR	C16-C17-C18-C36
16	B	3053	BCR	C18-C19-C20-C21
16	B	3053	BCR	C20-C21-C22-C23
16	B	3053	BCR	C20-C21-C22-C37
16	B	3053	BCR	C23-C24-C25-C26
16	F	202	BCR	C7-C8-C9-C34
16	F	202	BCR	C11-C12-C13-C35
16	F	202	BCR	C20-C21-C22-C37
16	F	202	BCR	C37-C22-C23-C24
16	F	205	BCR	C12-C13-C14-C15
16	F	205	BCR	C23-C24-C25-C30
16	I	101	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
16	I	102	BCR	C7-C8-C9-C10
16	I	102	BCR	C21-C22-C23-C24
16	I	102	BCR	C23-C24-C25-C26
16	I	102	BCR	C23-C24-C25-C30
16	J	103	BCR	C6-C7-C8-C9
16	J	103	BCR	C7-C8-C9-C10
16	J	103	BCR	C7-C8-C9-C34
16	J	103	BCR	C37-C22-C23-C24
16	J	104	BCR	C7-C8-C9-C34
16	J	104	BCR	C14-C15-C16-C17
16	J	104	BCR	C20-C21-C22-C23
16	J	104	BCR	C20-C21-C22-C37
16	L	206	BCR	C11-C12-C13-C14
16	L	206	BCR	C11-C12-C13-C35
16	M	1602	BCR	C7-C8-C9-C34
16	M	1602	BCR	C35-C13-C14-C15
16	M	1602	BCR	C36-C18-C19-C20
16	M	1602	BCR	C20-C21-C22-C37
16	M	1602	BCR	C21-C22-C23-C24
16	M	1602	BCR	C22-C23-C24-C25
16	a	845	BCR	C7-C8-C9-C34
16	a	845	BCR	C9-C10-C11-C12
16	a	845	BCR	C10-C11-C12-C13
16	a	846	BCR	C7-C8-C9-C34
16	a	846	BCR	C11-C12-C13-C35
16	a	846	BCR	C16-C17-C18-C36
16	a	846	BCR	C17-C18-C19-C20
16	a	846	BCR	C22-C23-C24-C25
16	a	847	BCR	C1-C6-C7-C8
16	a	847	BCR	C6-C7-C8-C9
16	a	847	BCR	C11-C12-C13-C35
16	a	847	BCR	C14-C15-C16-C17
16	a	847	BCR	C16-C17-C18-C19
16	a	847	BCR	C16-C17-C18-C36
16	a	847	BCR	C20-C21-C22-C23
16	a	847	BCR	C20-C21-C22-C37
16	a	848	BCR	C20-C21-C22-C37
16	a	848	BCR	C23-C24-C25-C26
16	a	848	BCR	C23-C24-C25-C30
16	a	849	BCR	C37-C22-C23-C24
16	a	850	BCR	C7-C8-C9-C34
16	a	850	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
16	a	850	BCR	C35-C13-C14-C15
16	a	850	BCR	C16-C17-C18-C19
16	a	850	BCR	C18-C19-C20-C21
16	a	850	BCR	C20-C21-C22-C23
16	a	850	BCR	C20-C21-C22-C37
16	a	850	BCR	C37-C22-C23-C24
16	a	850	BCR	C22-C23-C24-C25
16	a	851	BCR	C5-C6-C7-C8
16	a	851	BCR	C7-C8-C9-C34
16	a	851	BCR	C10-C11-C12-C13
16	a	851	BCR	C11-C12-C13-C14
16	a	851	BCR	C16-C17-C18-C36
16	b	3044	BCR	C7-C8-C9-C10
16	b	3044	BCR	C17-C18-C19-C20
16	b	3044	BCR	C36-C18-C19-C20
16	b	3044	BCR	C21-C22-C23-C24
16	b	3045	BCR	C6-C7-C8-C9
16	b	3045	BCR	C7-C8-C9-C10
16	b	3045	BCR	C7-C8-C9-C34
16	b	3045	BCR	C21-C22-C23-C24
16	b	3046	BCR	C7-C8-C9-C34
16	b	3046	BCR	C17-C18-C19-C20
16	b	3046	BCR	C18-C19-C20-C21
16	b	3046	BCR	C20-C21-C22-C23
16	b	3046	BCR	C20-C21-C22-C37
16	b	3046	BCR	C37-C22-C23-C24
16	b	3046	BCR	C22-C23-C24-C25
16	b	3047	BCR	C7-C8-C9-C34
16	b	3047	BCR	C11-C10-C9-C34
16	b	3047	BCR	C12-C13-C14-C15
16	b	3047	BCR	C35-C13-C14-C15
16	b	3047	BCR	C23-C24-C25-C30
16	b	3048	BCR	C6-C7-C8-C9
16	b	3048	BCR	C10-C11-C12-C13
16	b	3048	BCR	C11-C12-C13-C14
16	b	3048	BCR	C11-C12-C13-C35
16	b	3048	BCR	C36-C18-C19-C20
16	f	202	BCR	C7-C8-C9-C34
16	f	202	BCR	C11-C12-C13-C35
16	f	202	BCR	C20-C21-C22-C37
16	f	202	BCR	C37-C22-C23-C24
16	f	205	BCR	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
16	f	205	BCR	C23-C24-C25-C30
16	i	101	BCR	C7-C8-C9-C34
16	j	1104	BCR	C6-C7-C8-C9
16	j	1104	BCR	C7-C8-C9-C10
16	j	1104	BCR	C7-C8-C9-C34
16	j	1104	BCR	C37-C22-C23-C24
16	j	1105	BCR	C7-C8-C9-C34
16	j	1105	BCR	C14-C15-C16-C17
16	j	1105	BCR	C20-C21-C22-C23
16	j	1105	BCR	C20-C21-C22-C37
16	j	1106	BCR	C1-C6-C7-C8
16	j	1106	BCR	C16-C17-C18-C19
16	j	1106	BCR	C16-C17-C18-C36
16	j	1106	BCR	C18-C19-C20-C21
16	j	1106	BCR	C20-C21-C22-C23
16	j	1106	BCR	C20-C21-C22-C37
16	j	1106	BCR	C23-C24-C25-C26
16	l	204	BCR	C7-C8-C9-C34
16	l	204	BCR	C11-C12-C13-C35
16	l	204	BCR	C20-C21-C22-C23
16	l	204	BCR	C20-C21-C22-C37
16	l	209	BCR	C7-C8-C9-C10
16	l	209	BCR	C21-C22-C23-C24
16	l	209	BCR	C23-C24-C25-C26
16	l	209	BCR	C23-C24-C25-C30
16	l	210	BCR	C11-C12-C13-C14
16	l	210	BCR	C11-C12-C13-C35
16	m	101	BCR	C7-C8-C9-C34
16	m	101	BCR	C35-C13-C14-C15
16	m	101	BCR	C36-C18-C19-C20
16	m	101	BCR	C20-C21-C22-C37
16	m	101	BCR	C21-C22-C23-C24
16	m	101	BCR	C22-C23-C24-C25
16	1	846	BCR	C7-C8-C9-C34
16	1	846	BCR	C11-C12-C13-C35
16	1	846	BCR	C16-C17-C18-C36
16	1	846	BCR	C17-C18-C19-C20
16	1	846	BCR	C22-C23-C24-C25
16	1	847	BCR	C1-C6-C7-C8
16	1	847	BCR	C6-C7-C8-C9
16	1	847	BCR	C11-C12-C13-C35
16	1	847	BCR	C14-C15-C16-C17

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
16	1	847	BCR	C16-C17-C18-C19
16	1	847	BCR	C16-C17-C18-C36
16	1	847	BCR	C20-C21-C22-C23
16	1	847	BCR	C20-C21-C22-C37
16	1	848	BCR	C20-C21-C22-C37
16	1	848	BCR	C23-C24-C25-C26
16	1	848	BCR	C23-C24-C25-C30
16	1	849	BCR	C37-C22-C23-C24
16	1	850	BCR	C7-C8-C9-C34
16	1	850	BCR	C11-C10-C9-C8
16	1	850	BCR	C35-C13-C14-C15
16	1	850	BCR	C16-C17-C18-C19
16	1	850	BCR	C18-C19-C20-C21
16	1	850	BCR	C20-C21-C22-C23
16	1	850	BCR	C20-C21-C22-C37
16	1	850	BCR	C37-C22-C23-C24
16	1	850	BCR	C22-C23-C24-C25
16	1	851	BCR	C5-C6-C7-C8
16	1	851	BCR	C7-C8-C9-C34
16	1	851	BCR	C10-C11-C12-C13
16	1	851	BCR	C11-C12-C13-C14
16	1	851	BCR	C16-C17-C18-C36
16	2	3044	BCR	C7-C8-C9-C10
16	2	3044	BCR	C17-C18-C19-C20
16	2	3044	BCR	C36-C18-C19-C20
16	2	3044	BCR	C21-C22-C23-C24
16	2	3045	BCR	C6-C7-C8-C9
16	2	3045	BCR	C7-C8-C9-C10
16	2	3045	BCR	C7-C8-C9-C34
16	2	3045	BCR	C21-C22-C23-C24
16	2	3046	BCR	C7-C8-C9-C34
16	2	3046	BCR	C17-C18-C19-C20
16	2	3046	BCR	C18-C19-C20-C21
16	2	3046	BCR	C20-C21-C22-C23
16	2	3046	BCR	C20-C21-C22-C37
16	2	3046	BCR	C37-C22-C23-C24
16	2	3046	BCR	C22-C23-C24-C25
16	2	3047	BCR	C7-C8-C9-C34
16	2	3047	BCR	C11-C10-C9-C34
16	2	3047	BCR	C12-C13-C14-C15
16	2	3047	BCR	C35-C13-C14-C15
16	2	3047	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
16	2	3048	BCR	C6-C7-C8-C9
16	2	3048	BCR	C10-C11-C12-C13
16	2	3048	BCR	C11-C12-C13-C14
16	2	3048	BCR	C11-C12-C13-C35
16	2	3048	BCR	C36-C18-C19-C20
16	2	3052	BCR	C1-C6-C7-C8
16	2	3052	BCR	C16-C17-C18-C19
16	2	3052	BCR	C16-C17-C18-C36
16	2	3052	BCR	C18-C19-C20-C21
16	2	3052	BCR	C20-C21-C22-C23
16	2	3052	BCR	C20-C21-C22-C37
16	2	3052	BCR	C23-C24-C25-C26
16	6	202	BCR	C7-C8-C9-C34
16	6	202	BCR	C11-C12-C13-C35
16	6	202	BCR	C20-C21-C22-C37
16	6	202	BCR	C37-C22-C23-C24
16	6	205	BCR	C12-C13-C14-C15
16	6	205	BCR	C23-C24-C25-C30
16	7	101	BCR	C7-C8-C9-C34
16	8	103	BCR	C6-C7-C8-C9
16	8	103	BCR	C7-C8-C9-C10
16	8	103	BCR	C7-C8-C9-C34
16	8	103	BCR	C37-C22-C23-C24
16	8	104	BCR	C7-C8-C9-C34
16	8	104	BCR	C14-C15-C16-C17
16	8	104	BCR	C20-C21-C22-C23
16	8	104	BCR	C20-C21-C22-C37
16	9	102	BCR	C7-C8-C9-C34
16	9	102	BCR	C9-C10-C11-C12
16	9	102	BCR	C10-C11-C12-C13
16	0	205	BCR	C7-C8-C9-C34
16	0	205	BCR	C11-C12-C13-C35
16	0	205	BCR	C20-C21-C22-C23
16	0	205	BCR	C20-C21-C22-C37
16	0	210	BCR	C7-C8-C9-C10
16	0	210	BCR	C21-C22-C23-C24
16	0	210	BCR	C23-C24-C25-C26
16	0	210	BCR	C23-C24-C25-C30
16	0	211	BCR	C11-C12-C13-C14
16	0	211	BCR	C11-C12-C13-C35
16	y	101	BCR	C7-C8-C9-C34
16	y	101	BCR	C35-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
16	y	101	BCR	C36-C18-C19-C20
16	y	101	BCR	C20-C21-C22-C37
16	y	101	BCR	C21-C22-C23-C24
16	y	101	BCR	C22-C23-C24-C25
17	A	853	LHG	O1-C1-C2-C3
17	A	853	LHG	C3-O3-P-O5
17	A	854	LHG	C3-O3-P-O4
17	A	854	LHG	C4-O6-P-O5
17	B	3051	LHG	C3-O3-P-O5
17	B	3051	LHG	O6-C4-C5-O7
17	B	3051	LHG	O9-C7-O7-C5
17	B	3051	LHG	C8-C7-O7-C5
17	L	207	LHG	C3-O3-P-O4
17	L	207	LHG	O10-C23-O8-C6
17	L	207	LHG	C24-C23-O8-C6
17	L	208	LHG	O1-C1-C2-C3
17	L	208	LHG	C1-C2-C3-O3
17	L	208	LHG	C2-C3-O3-P
17	L	208	LHG	C4-O6-P-O4
17	a	852	LHG	O1-C1-C2-C3
17	a	852	LHG	C3-O3-P-O5
17	a	853	LHG	C3-O3-P-O4
17	a	853	LHG	C4-O6-P-O5
17	b	3051	LHG	C3-O3-P-O5
17	b	3051	LHG	O6-C4-C5-O7
17	b	3051	LHG	O9-C7-O7-C5
17	b	3051	LHG	C8-C7-O7-C5
17	l	201	LHG	C3-O3-P-O4
17	l	201	LHG	O10-C23-O8-C6
17	l	201	LHG	C24-C23-O8-C6
17	l	202	LHG	O1-C1-C2-C3
17	l	202	LHG	C1-C2-C3-O3
17	l	202	LHG	C2-C3-O3-P
17	l	202	LHG	C4-O6-P-O4
17	1	852	LHG	O1-C1-C2-C3
17	1	852	LHG	C3-O3-P-O5
17	1	853	LHG	C3-O3-P-O4
17	1	853	LHG	C4-O6-P-O5
17	2	3051	LHG	C3-O3-P-O5
17	2	3051	LHG	O6-C4-C5-O7
17	2	3051	LHG	O9-C7-O7-C5
17	2	3051	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
17	0	201	LHG	C3-O3-P-O4
17	0	201	LHG	O10-C23-O8-C6
17	0	201	LHG	C24-C23-O8-C6
17	0	202	LHG	O1-C1-C2-C3
17	0	202	LHG	C1-C2-C3-O3
17	0	202	LHG	C2-C3-O3-P
17	0	202	LHG	C4-O6-P-O4
14	B	3005	CLA	C2C-C3C-CAC-CBC
14	B	3033	CLA	C2C-C3C-CAC-CBC
14	b	3005	CLA	C2C-C3C-CAC-CBC
14	b	3033	CLA	C2C-C3C-CAC-CBC
14	2	3005	CLA	C2C-C3C-CAC-CBC
14	2	3033	CLA	C2C-C3C-CAC-CBC
14	A	829	CLA	O1D-CGD-O2D-CED
14	a	828	CLA	O1D-CGD-O2D-CED
14	1	829	CLA	O1D-CGD-O2D-CED
14	A	810	CLA	O1D-CGD-O2D-CED
14	A	817	CLA	O1D-CGD-O2D-CED
14	A	821	CLA	O1D-CGD-O2D-CED
14	A	841	CLA	O1D-CGD-O2D-CED
14	B	3035	CLA	O1D-CGD-O2D-CED
14	B	3036	CLA	O1D-CGD-O2D-CED
14	F	201	CLA	O1D-CGD-O2D-CED
14	F	203	CLA	O1D-CGD-O2D-CED
14	F	204	CLA	O1D-CGD-O2D-CED
14	a	809	CLA	O1D-CGD-O2D-CED
14	a	816	CLA	O1D-CGD-O2D-CED
14	a	820	CLA	O1D-CGD-O2D-CED
14	a	840	CLA	O1D-CGD-O2D-CED
14	b	3035	CLA	O1D-CGD-O2D-CED
14	b	3036	CLA	O1D-CGD-O2D-CED
14	f	201	CLA	O1D-CGD-O2D-CED
14	f	203	CLA	O1D-CGD-O2D-CED
14	f	204	CLA	O1D-CGD-O2D-CED
14	1	810	CLA	O1D-CGD-O2D-CED
14	1	817	CLA	O1D-CGD-O2D-CED
14	1	821	CLA	O1D-CGD-O2D-CED
14	1	841	CLA	O1D-CGD-O2D-CED
14	2	3035	CLA	O1D-CGD-O2D-CED
14	2	3036	CLA	O1D-CGD-O2D-CED
14	6	201	CLA	O1D-CGD-O2D-CED
14	6	203	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	6	204	CLA	O1D-CGD-O2D-CED
14	A	816	CLA	CBD-CGD-O2D-CED
14	A	821	CLA	CBD-CGD-O2D-CED
14	A	822	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	CBD-CGD-O2D-CED
14	A	829	CLA	CBD-CGD-O2D-CED
14	A	841	CLA	CBD-CGD-O2D-CED
14	B	3004	CLA	CBD-CGD-O2D-CED
14	B	3014	CLA	CBD-CGD-O2D-CED
14	B	3037	CLA	CBD-CGD-O2D-CED
14	F	201	CLA	CBD-CGD-O2D-CED
14	J	101	CLA	CBD-CGD-O2D-CED
14	a	815	CLA	CBD-CGD-O2D-CED
14	a	820	CLA	CBD-CGD-O2D-CED
14	a	821	CLA	CBD-CGD-O2D-CED
14	a	822	CLA	CBD-CGD-O2D-CED
14	a	828	CLA	CBD-CGD-O2D-CED
14	a	840	CLA	CBD-CGD-O2D-CED
14	b	3004	CLA	CBD-CGD-O2D-CED
14	b	3014	CLA	CBD-CGD-O2D-CED
14	b	3037	CLA	CBD-CGD-O2D-CED
14	f	201	CLA	CBD-CGD-O2D-CED
14	j	1102	CLA	CBD-CGD-O2D-CED
14	1	816	CLA	CBD-CGD-O2D-CED
14	1	821	CLA	CBD-CGD-O2D-CED
14	1	822	CLA	CBD-CGD-O2D-CED
14	1	823	CLA	CBD-CGD-O2D-CED
14	1	829	CLA	CBD-CGD-O2D-CED
14	1	841	CLA	CBD-CGD-O2D-CED
14	2	3004	CLA	CBD-CGD-O2D-CED
14	2	3014	CLA	CBD-CGD-O2D-CED
14	2	3037	CLA	CBD-CGD-O2D-CED
14	6	201	CLA	CBD-CGD-O2D-CED
14	8	101	CLA	CBD-CGD-O2D-CED
14	A	806	CLA	O1A-CGA-O2A-C1
14	B	3021	CLA	O1A-CGA-O2A-C1
14	a	805	CLA	O1A-CGA-O2A-C1
14	b	3021	CLA	O1A-CGA-O2A-C1
14	1	806	CLA	O1A-CGA-O2A-C1
14	2	3021	CLA	O1A-CGA-O2A-C1
14	B	3033	CLA	C4C-C3C-CAC-CBC
14	b	3033	CLA	C4C-C3C-CAC-CBC

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	2	3033	CLA	C4C-C3C-CAC-CBC
14	A	823	CLA	O1D-CGD-O2D-CED
14	J	101	CLA	O1D-CGD-O2D-CED
14	a	822	CLA	O1D-CGD-O2D-CED
14	j	1102	CLA	O1D-CGD-O2D-CED
14	1	823	CLA	O1D-CGD-O2D-CED
14	8	101	CLA	O1D-CGD-O2D-CED
14	B	3042	CLA	C4C-C3C-CAC-CBC
14	b	3042	CLA	C4C-C3C-CAC-CBC
14	2	3042	CLA	C4C-C3C-CAC-CBC
14	A	815	CLA	O1D-CGD-O2D-CED
14	B	3005	CLA	O1D-CGD-O2D-CED
14	B	3020	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O1D-CGD-O2D-CED
14	a	814	CLA	O1D-CGD-O2D-CED
14	b	3005	CLA	O1D-CGD-O2D-CED
14	b	3020	CLA	O1D-CGD-O2D-CED
14	x	1701	CLA	O1D-CGD-O2D-CED
14	1	815	CLA	O1D-CGD-O2D-CED
14	2	3005	CLA	O1D-CGD-O2D-CED
14	2	3020	CLA	O1D-CGD-O2D-CED
14	z	1701	CLA	O1D-CGD-O2D-CED
14	B	3018	CLA	CBA-CGA-O2A-C1
14	B	3021	CLA	CBA-CGA-O2A-C1
14	b	3018	CLA	CBA-CGA-O2A-C1
14	b	3021	CLA	CBA-CGA-O2A-C1
14	2	3018	CLA	CBA-CGA-O2A-C1
14	2	3021	CLA	CBA-CGA-O2A-C1
14	A	824	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CBD-CGD-O2D-CED
14	A	838	CLA	CBD-CGD-O2D-CED
14	B	3008	CLA	CBD-CGD-O2D-CED
14	B	3022	CLA	CBD-CGD-O2D-CED
14	B	3023	CLA	CBD-CGD-O2D-CED
14	B	3031	CLA	CBD-CGD-O2D-CED
14	B	3039	CLA	CBD-CGD-O2D-CED
14	B	3042	CLA	CBD-CGD-O2D-CED
14	L	203	CLA	CBD-CGD-O2D-CED
14	a	823	CLA	CBD-CGD-O2D-CED
14	a	824	CLA	CBD-CGD-O2D-CED
14	a	829	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	a	837	CLA	CBD-CGD-O2D-CED
14	b	3008	CLA	CBD-CGD-O2D-CED
14	b	3022	CLA	CBD-CGD-O2D-CED
14	b	3023	CLA	CBD-CGD-O2D-CED
14	b	3031	CLA	CBD-CGD-O2D-CED
14	b	3039	CLA	CBD-CGD-O2D-CED
14	b	3042	CLA	CBD-CGD-O2D-CED
14	l	206	CLA	CBD-CGD-O2D-CED
14	1	824	CLA	CBD-CGD-O2D-CED
14	1	825	CLA	CBD-CGD-O2D-CED
14	1	830	CLA	CBD-CGD-O2D-CED
14	1	838	CLA	CBD-CGD-O2D-CED
14	2	3008	CLA	CBD-CGD-O2D-CED
14	2	3022	CLA	CBD-CGD-O2D-CED
14	2	3023	CLA	CBD-CGD-O2D-CED
14	2	3031	CLA	CBD-CGD-O2D-CED
14	2	3039	CLA	CBD-CGD-O2D-CED
14	2	3042	CLA	CBD-CGD-O2D-CED
14	0	207	CLA	CBD-CGD-O2D-CED
14	A	802	CLA	O1A-CGA-O2A-C1
14	A	817	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	O1A-CGA-O2A-C1
14	A	820	CLA	O1A-CGA-O2A-C1
14	A	833	CLA	O1A-CGA-O2A-C1
14	B	3018	CLA	O1A-CGA-O2A-C1
14	a	802	CLA	O1A-CGA-O2A-C1
14	a	816	CLA	O1A-CGA-O2A-C1
14	a	817	CLA	O1A-CGA-O2A-C1
14	a	819	CLA	O1A-CGA-O2A-C1
14	a	832	CLA	O1A-CGA-O2A-C1
14	b	3018	CLA	O1A-CGA-O2A-C1
14	1	802	CLA	O1A-CGA-O2A-C1
14	1	817	CLA	O1A-CGA-O2A-C1
14	1	818	CLA	O1A-CGA-O2A-C1
14	1	820	CLA	O1A-CGA-O2A-C1
14	1	833	CLA	O1A-CGA-O2A-C1
14	2	3018	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	O1D-CGD-O2D-CED
14	K	101	CLA	O1D-CGD-O2D-CED
14	a	811	CLA	O1D-CGD-O2D-CED
14	k	101	CLA	O1D-CGD-O2D-CED
14	1	812	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	9	101	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	CBD-CGD-O2D-CED
14	A	842	CLA	CBD-CGD-O2D-CED
14	B	3012	CLA	CBD-CGD-O2D-CED
14	B	3040	CLA	CBD-CGD-O2D-CED
14	a	817	CLA	CBD-CGD-O2D-CED
14	a	841	CLA	CBD-CGD-O2D-CED
14	b	3012	CLA	CBD-CGD-O2D-CED
14	b	3040	CLA	CBD-CGD-O2D-CED
14	1	818	CLA	CBD-CGD-O2D-CED
14	1	842	CLA	CBD-CGD-O2D-CED
14	2	3012	CLA	CBD-CGD-O2D-CED
14	2	3040	CLA	CBD-CGD-O2D-CED
14	B	3042	CLA	C2C-C3C-CAC-CBC
14	b	3042	CLA	C2C-C3C-CAC-CBC
14	2	3042	CLA	C2C-C3C-CAC-CBC
14	K	101	CLA	O1A-CGA-O2A-C1
14	k	101	CLA	O1A-CGA-O2A-C1
14	9	101	CLA	O1A-CGA-O2A-C1
14	A	810	CLA	C3-C5-C6-C7
14	A	818	CLA	C3-C5-C6-C7
14	A	826	CLA	C3-C5-C6-C7
14	A	841	CLA	C3-C5-C6-C7
14	A	842	CLA	C3-C5-C6-C7
14	B	3006	CLA	C3-C5-C6-C7
14	B	3012	CLA	C3-C5-C6-C7
14	B	3016	CLA	C3-C5-C6-C7
14	B	3020	CLA	C3-C5-C6-C7
14	B	3039	CLA	C3-C5-C6-C7
14	F	201	CLA	C3-C5-C6-C7
14	L	205	CLA	C3-C5-C6-C7
14	a	809	CLA	C3-C5-C6-C7
14	a	817	CLA	C3-C5-C6-C7
14	a	825	CLA	C3-C5-C6-C7
14	a	840	CLA	C3-C5-C6-C7
14	a	841	CLA	C3-C5-C6-C7
14	b	3006	CLA	C3-C5-C6-C7
14	b	3012	CLA	C3-C5-C6-C7
14	b	3016	CLA	C3-C5-C6-C7
14	b	3020	CLA	C3-C5-C6-C7
14	b	3039	CLA	C3-C5-C6-C7
14	f	201	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	1	208	CLA	C3-C5-C6-C7
14	1	810	CLA	C3-C5-C6-C7
14	1	818	CLA	C3-C5-C6-C7
14	1	826	CLA	C3-C5-C6-C7
14	1	841	CLA	C3-C5-C6-C7
14	1	842	CLA	C3-C5-C6-C7
14	2	3006	CLA	C3-C5-C6-C7
14	2	3012	CLA	C3-C5-C6-C7
14	2	3016	CLA	C3-C5-C6-C7
14	2	3020	CLA	C3-C5-C6-C7
14	2	3039	CLA	C3-C5-C6-C7
14	6	201	CLA	C3-C5-C6-C7
14	0	209	CLA	C3-C5-C6-C7
14	A	802	CLA	CBA-CGA-O2A-C1
14	A	806	CLA	CBA-CGA-O2A-C1
14	A	817	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	CBA-CGA-O2A-C1
14	B	3019	CLA	CBA-CGA-O2A-C1
14	a	802	CLA	CBA-CGA-O2A-C1
14	a	805	CLA	CBA-CGA-O2A-C1
14	a	816	CLA	CBA-CGA-O2A-C1
14	a	832	CLA	CBA-CGA-O2A-C1
14	b	3019	CLA	CBA-CGA-O2A-C1
14	1	802	CLA	CBA-CGA-O2A-C1
14	1	806	CLA	CBA-CGA-O2A-C1
14	1	817	CLA	CBA-CGA-O2A-C1
14	1	833	CLA	CBA-CGA-O2A-C1
14	2	3019	CLA	CBA-CGA-O2A-C1
17	L	207	LHG	C8-C7-O7-C5
17	l	201	LHG	C8-C7-O7-C5
17	0	201	LHG	C8-C7-O7-C5
14	B	3003	CLA	CBD-CGD-O2D-CED
14	b	3003	CLA	CBD-CGD-O2D-CED
14	2	3003	CLA	CBD-CGD-O2D-CED
14	K	101	CLA	CBA-CGA-O2A-C1
14	k	101	CLA	CBA-CGA-O2A-C1
14	9	101	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	C4-C3-C5-C6
14	A	833	CLA	C4-C3-C5-C6
14	B	3012	CLA	C4-C3-C5-C6
14	B	3034	CLA	C4-C3-C5-C6
14	a	802	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	a	832	CLA	C4-C3-C5-C6
14	b	3012	CLA	C4-C3-C5-C6
14	b	3034	CLA	C4-C3-C5-C6
14	1	802	CLA	C4-C3-C5-C6
14	1	833	CLA	C4-C3-C5-C6
14	2	3012	CLA	C4-C3-C5-C6
14	2	3034	CLA	C4-C3-C5-C6
14	A	802	CLA	C2-C3-C5-C6
14	a	802	CLA	C2-C3-C5-C6
14	1	802	CLA	C2-C3-C5-C6
14	A	811	CLA	CBD-CGD-O2D-CED
14	a	810	CLA	CBD-CGD-O2D-CED
14	1	811	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	C2A-CAA-CBA-CGA
14	A	830	CLA	C2A-CAA-CBA-CGA
14	A	843	CLA	C2A-CAA-CBA-CGA
14	B	3003	CLA	C2A-CAA-CBA-CGA
14	B	3015	CLA	C2A-CAA-CBA-CGA
14	a	815	CLA	C2A-CAA-CBA-CGA
14	a	829	CLA	C2A-CAA-CBA-CGA
14	a	842	CLA	C2A-CAA-CBA-CGA
14	b	3003	CLA	C2A-CAA-CBA-CGA
14	b	3015	CLA	C2A-CAA-CBA-CGA
14	1	816	CLA	C2A-CAA-CBA-CGA
14	1	830	CLA	C2A-CAA-CBA-CGA
14	1	843	CLA	C2A-CAA-CBA-CGA
14	2	3003	CLA	C2A-CAA-CBA-CGA
14	2	3015	CLA	C2A-CAA-CBA-CGA
14	A	834	CLA	C3-C5-C6-C7
14	B	3034	CLA	C3-C5-C6-C7
14	a	833	CLA	C3-C5-C6-C7
14	b	3034	CLA	C3-C5-C6-C7
14	1	834	CLA	C3-C5-C6-C7
14	2	3034	CLA	C3-C5-C6-C7
14	A	818	CLA	CBA-CGA-O2A-C1
14	A	820	CLA	CBA-CGA-O2A-C1
14	B	3017	CLA	CBA-CGA-O2A-C1
14	B	3026	CLA	CBA-CGA-O2A-C1
14	B	3031	CLA	CBA-CGA-O2A-C1
14	a	817	CLA	CBA-CGA-O2A-C1
14	a	819	CLA	CBA-CGA-O2A-C1
14	b	3017	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b	3026	CLA	CBA-CGA-O2A-C1
14	b	3031	CLA	CBA-CGA-O2A-C1
14	1	818	CLA	CBA-CGA-O2A-C1
14	1	820	CLA	CBA-CGA-O2A-C1
14	2	3017	CLA	CBA-CGA-O2A-C1
14	2	3026	CLA	CBA-CGA-O2A-C1
14	2	3031	CLA	CBA-CGA-O2A-C1
17	B	3051	LHG	C24-C23-O8-C6
17	L	208	LHG	C24-C23-O8-C6
17	b	3051	LHG	C24-C23-O8-C6
17	1	202	LHG	C24-C23-O8-C6
17	2	3051	LHG	C24-C23-O8-C6
17	0	202	LHG	C24-C23-O8-C6
14	B	3037	CLA	O1D-CGD-O2D-CED
14	b	3037	CLA	O1D-CGD-O2D-CED
14	2	3037	CLA	O1D-CGD-O2D-CED
14	B	3034	CLA	CBD-CGD-O2D-CED
14	b	3034	CLA	CBD-CGD-O2D-CED
14	2	3034	CLA	CBD-CGD-O2D-CED
14	B	3019	CLA	O1A-CGA-O2A-C1
14	B	3026	CLA	O1A-CGA-O2A-C1
14	b	3019	CLA	O1A-CGA-O2A-C1
14	b	3026	CLA	O1A-CGA-O2A-C1
14	2	3019	CLA	O1A-CGA-O2A-C1
14	2	3026	CLA	O1A-CGA-O2A-C1
17	L	208	LHG	O10-C23-O8-C6
17	1	202	LHG	O10-C23-O8-C6
17	0	202	LHG	O10-C23-O8-C6
14	A	816	CLA	O1D-CGD-O2D-CED
14	a	815	CLA	O1D-CGD-O2D-CED
14	1	816	CLA	O1D-CGD-O2D-CED
16	A	852	BCR	C9-C10-C11-C12
16	B	3048	BCR	C15-C16-C17-C18
16	a	851	BCR	C9-C10-C11-C12
16	b	3048	BCR	C15-C16-C17-C18
16	1	851	BCR	C9-C10-C11-C12
16	2	3048	BCR	C15-C16-C17-C18
14	A	806	CLA	CBD-CGD-O2D-CED
14	B	3024	CLA	CBD-CGD-O2D-CED
14	B	3028	CLA	CBD-CGD-O2D-CED
14	a	805	CLA	CBD-CGD-O2D-CED
14	b	3024	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	b	3028	CLA	CBD-CGD-O2D-CED
14	1	806	CLA	CBD-CGD-O2D-CED
14	2	3024	CLA	CBD-CGD-O2D-CED
14	2	3028	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	C3-C5-C6-C7
14	B	3015	CLA	C3-C5-C6-C7
14	B	3018	CLA	C3-C5-C6-C7
14	a	815	CLA	C3-C5-C6-C7
14	b	3015	CLA	C3-C5-C6-C7
14	b	3018	CLA	C3-C5-C6-C7
14	1	816	CLA	C3-C5-C6-C7
14	2	3015	CLA	C3-C5-C6-C7
14	2	3018	CLA	C3-C5-C6-C7
14	A	809	CLA	CBA-CGA-O2A-C1
14	L	203	CLA	CBA-CGA-O2A-C1
14	l	206	CLA	CBA-CGA-O2A-C1
14	0	207	CLA	CBA-CGA-O2A-C1
14	A	822	CLA	O1D-CGD-O2D-CED
14	a	821	CLA	O1D-CGD-O2D-CED
14	1	822	CLA	O1D-CGD-O2D-CED
14	B	3015	CLA	CBD-CGD-O2D-CED
14	B	3017	CLA	O1A-CGA-O2A-C1
14	B	3031	CLA	O1A-CGA-O2A-C1
14	b	3017	CLA	O1A-CGA-O2A-C1
14	b	3031	CLA	O1A-CGA-O2A-C1
14	2	3017	CLA	O1A-CGA-O2A-C1
14	2	3031	CLA	O1A-CGA-O2A-C1
17	B	3051	LHG	C27-C28-C29-C30
17	b	3051	LHG	C27-C28-C29-C30
17	2	3051	LHG	C27-C28-C29-C30
14	b	3015	CLA	CBD-CGD-O2D-CED
14	2	3015	CLA	CBD-CGD-O2D-CED
14	B	3028	CLA	C3-C5-C6-C7
14	b	3028	CLA	C3-C5-C6-C7
14	2	3028	CLA	C3-C5-C6-C7
14	a	808	CLA	CBA-CGA-O2A-C1
14	1	809	CLA	CBA-CGA-O2A-C1
14	b	3014	CLA	O1D-CGD-O2D-CED
20	B	3050	LMG	O6-C5-C6-O5
20	b	3050	LMG	O6-C5-C6-O5
20	2	3050	LMG	O6-C5-C6-O5
14	B	3014	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	817	CLA	C4-C3-C5-C6
14	A	819	CLA	C4-C3-C5-C6
14	A	843	CLA	C4-C3-C5-C6
14	B	3003	CLA	C4-C3-C5-C6
14	B	3011	CLA	C4-C3-C5-C6
14	a	816	CLA	C4-C3-C5-C6
14	a	818	CLA	C4-C3-C5-C6
14	a	842	CLA	C4-C3-C5-C6
14	b	3003	CLA	C4-C3-C5-C6
14	b	3011	CLA	C4-C3-C5-C6
14	1	817	CLA	C4-C3-C5-C6
14	1	819	CLA	C4-C3-C5-C6
14	1	843	CLA	C4-C3-C5-C6
14	2	3003	CLA	C4-C3-C5-C6
14	2	3011	CLA	C4-C3-C5-C6
14	A	817	CLA	C2-C3-C5-C6
14	A	819	CLA	C2-C3-C5-C6
14	A	836	CLA	C2-C3-C5-C6
14	A	843	CLA	C2-C3-C5-C6
14	B	3003	CLA	C2-C3-C5-C6
14	B	3011	CLA	C2-C3-C5-C6
14	a	816	CLA	C2-C3-C5-C6
14	a	818	CLA	C2-C3-C5-C6
14	a	835	CLA	C2-C3-C5-C6
14	a	842	CLA	C2-C3-C5-C6
14	b	3003	CLA	C2-C3-C5-C6
14	b	3011	CLA	C2-C3-C5-C6
14	1	817	CLA	C2-C3-C5-C6
14	1	819	CLA	C2-C3-C5-C6
14	1	836	CLA	C2-C3-C5-C6
14	1	843	CLA	C2-C3-C5-C6
14	2	3003	CLA	C2-C3-C5-C6
14	2	3011	CLA	C2-C3-C5-C6
14	B	3028	CLA	C2A-CAA-CBA-CGA
14	b	3028	CLA	C2A-CAA-CBA-CGA
14	2	3028	CLA	C2A-CAA-CBA-CGA
14	B	3004	CLA	O1D-CGD-O2D-CED
14	b	3004	CLA	O1D-CGD-O2D-CED
14	2	3004	CLA	O1D-CGD-O2D-CED
14	2	3014	CLA	O1D-CGD-O2D-CED
14	L	203	CLA	O1A-CGA-O2A-C1
14	l	206	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	0	207	CLA	O1A-CGA-O2A-C1
17	B	3051	LHG	O10-C23-O8-C6
17	b	3051	LHG	O10-C23-O8-C6
17	2	3051	LHG	O10-C23-O8-C6
14	A	838	CLA	C2C-C3C-CAC-CBC
14	a	837	CLA	C2C-C3C-CAC-CBC
14	1	838	CLA	C2C-C3C-CAC-CBC
14	A	833	CLA	C3-C5-C6-C7
14	L	205	CLA	CBA-CGA-O2A-C1
14	l	208	CLA	CBA-CGA-O2A-C1
14	0	209	CLA	CBA-CGA-O2A-C1
14	A	809	CLA	O1A-CGA-O2A-C1
14	a	808	CLA	O1A-CGA-O2A-C1
14	1	809	CLA	O1A-CGA-O2A-C1
14	A	824	CLA	O1D-CGD-O2D-CED
14	A	830	CLA	O1D-CGD-O2D-CED
14	a	823	CLA	O1D-CGD-O2D-CED
14	a	829	CLA	O1D-CGD-O2D-CED
14	1	824	CLA	O1D-CGD-O2D-CED
14	1	830	CLA	O1D-CGD-O2D-CED
14	A	834	CLA	CBD-CGD-O2D-CED
14	a	833	CLA	CBD-CGD-O2D-CED
14	1	834	CLA	CBD-CGD-O2D-CED
14	L	205	CLA	O1A-CGA-O2A-C1
14	l	208	CLA	O1A-CGA-O2A-C1
14	0	209	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	C3-C5-C6-C7
14	a	811	CLA	C3-C5-C6-C7
14	a	832	CLA	C3-C5-C6-C7
14	1	812	CLA	C3-C5-C6-C7
14	1	833	CLA	C3-C5-C6-C7
14	B	3031	CLA	O1D-CGD-O2D-CED
14	b	3031	CLA	O1D-CGD-O2D-CED
14	2	3031	CLA	O1D-CGD-O2D-CED
14	B	3006	CLA	CBA-CGA-O2A-C1
14	B	3029	CLA	CBA-CGA-O2A-C1
14	B	3032	CLA	CBA-CGA-O2A-C1
14	B	3036	CLA	CBA-CGA-O2A-C1
14	b	3006	CLA	CBA-CGA-O2A-C1
14	b	3029	CLA	CBA-CGA-O2A-C1
14	b	3032	CLA	CBA-CGA-O2A-C1
14	b	3036	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	2	3006	CLA	CBA-CGA-O2A-C1
14	2	3029	CLA	CBA-CGA-O2A-C1
14	2	3032	CLA	CBA-CGA-O2A-C1
14	2	3036	CLA	CBA-CGA-O2A-C1
20	B	3050	LMG	C29-C28-O8-C9
20	b	3050	LMG	C29-C28-O8-C9
20	2	3050	LMG	C29-C28-O8-C9
14	A	802	CLA	CBD-CGD-O2D-CED
14	1	802	CLA	CBD-CGD-O2D-CED
20	2	3050	LMG	C4-C5-C6-O5
16	A	848	BCR	C15-C16-C17-C18
16	a	847	BCR	C15-C16-C17-C18
16	1	847	BCR	C15-C16-C17-C18
20	B	3050	LMG	C4-C5-C6-O5
20	b	3050	LMG	C4-C5-C6-O5
14	a	802	CLA	CBD-CGD-O2D-CED
14	A	807	CLA	C13-C15-C16-C17
14	A	824	CLA	C10-C11-C12-C13
14	B	3018	CLA	C5-C6-C7-C8
14	a	806	CLA	C13-C15-C16-C17
14	a	823	CLA	C10-C11-C12-C13
14	b	3018	CLA	C5-C6-C7-C8
14	1	807	CLA	C13-C15-C16-C17
14	1	824	CLA	C10-C11-C12-C13
14	2	3018	CLA	C5-C6-C7-C8
17	A	854	LHG	O2-C2-C3-O3
17	L	208	LHG	O2-C2-C3-O3
17	a	853	LHG	O2-C2-C3-O3
17	l	202	LHG	O2-C2-C3-O3
17	1	853	LHG	O2-C2-C3-O3
17	0	202	LHG	O2-C2-C3-O3
14	A	833	CLA	C2-C3-C5-C6
14	B	3012	CLA	C2-C3-C5-C6
14	a	832	CLA	C2-C3-C5-C6
14	b	3012	CLA	C2-C3-C5-C6
14	b	3034	CLA	C2-C3-C5-C6
14	1	833	CLA	C2-C3-C5-C6
14	2	3012	CLA	C2-C3-C5-C6
14	A	803	CLA	C6-C7-C8-C9
14	A	817	CLA	C6-C7-C8-C9
14	A	819	CLA	C6-C7-C8-C9
14	A	825	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	A	833	CLA	C11-C12-C13-C14
14	A	841	CLA	C11-C12-C13-C14
14	B	3005	CLA	C11-C12-C13-C14
14	B	3006	CLA	C11-C10-C8-C9
14	B	3006	CLA	C11-C12-C13-C14
14	B	3009	CLA	C11-C12-C13-C14
14	B	3014	CLA	C11-C12-C13-C14
14	B	3028	CLA	C14-C13-C15-C16
14	B	3035	CLA	C14-C13-C15-C16
14	B	3039	CLA	C11-C10-C8-C9
14	B	3041	CLA	C14-C13-C15-C16
14	L	204	CLA	C6-C7-C8-C9
14	L	205	CLA	C6-C7-C8-C9
14	a	803	CLA	C6-C7-C8-C9
14	a	805	CLA	C6-C7-C8-C9
14	a	816	CLA	C6-C7-C8-C9
14	a	818	CLA	C6-C7-C8-C9
14	a	824	CLA	C11-C12-C13-C14
14	a	832	CLA	C11-C12-C13-C14
14	a	840	CLA	C11-C12-C13-C14
14	b	3005	CLA	C11-C12-C13-C14
14	b	3006	CLA	C11-C10-C8-C9
14	b	3006	CLA	C11-C12-C13-C14
14	b	3009	CLA	C11-C12-C13-C14
14	b	3014	CLA	C11-C12-C13-C14
14	b	3028	CLA	C14-C13-C15-C16
14	b	3035	CLA	C14-C13-C15-C16
14	b	3039	CLA	C11-C10-C8-C9
14	b	3041	CLA	C14-C13-C15-C16
14	l	207	CLA	C6-C7-C8-C9
14	l	208	CLA	C6-C7-C8-C9
14	1	803	CLA	C6-C7-C8-C9
14	1	806	CLA	C6-C7-C8-C9
14	1	817	CLA	C6-C7-C8-C9
14	1	819	CLA	C6-C7-C8-C9
14	1	825	CLA	C11-C12-C13-C14
14	1	833	CLA	C11-C12-C13-C14
14	1	841	CLA	C11-C12-C13-C14
14	2	3005	CLA	C11-C12-C13-C14
14	2	3006	CLA	C11-C10-C8-C9
14	2	3006	CLA	C11-C12-C13-C14
14	2	3009	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	2	3014	CLA	C11-C12-C13-C14
14	2	3028	CLA	C14-C13-C15-C16
14	2	3035	CLA	C14-C13-C15-C16
14	2	3039	CLA	C11-C10-C8-C9
14	2	3041	CLA	C14-C13-C15-C16
14	0	208	CLA	C6-C7-C8-C9
14	0	209	CLA	C6-C7-C8-C9
14	A	838	CLA	O1D-CGD-O2D-CED
14	B	3023	CLA	O1D-CGD-O2D-CED
14	L	203	CLA	O1D-CGD-O2D-CED
14	a	837	CLA	O1D-CGD-O2D-CED
14	b	3023	CLA	O1D-CGD-O2D-CED
14	l	206	CLA	O1D-CGD-O2D-CED
14	1	838	CLA	O1D-CGD-O2D-CED
14	2	3023	CLA	O1D-CGD-O2D-CED
14	0	207	CLA	O1D-CGD-O2D-CED
17	B	3051	LHG	C29-C30-C31-C32
17	b	3051	LHG	C29-C30-C31-C32
17	2	3051	LHG	C29-C30-C31-C32
14	B	3017	CLA	C15-C16-C17-C18
14	b	3017	CLA	C15-C16-C17-C18
14	2	3017	CLA	C15-C16-C17-C18
14	A	802	CLA	C2A-CAA-CBA-CGA
14	a	802	CLA	C2A-CAA-CBA-CGA
14	1	802	CLA	C2A-CAA-CBA-CGA
16	A	848	BCR	C7-C8-C9-C34
16	A	852	BCR	C11-C12-C13-C35
16	B	3044	BCR	C7-C8-C9-C34
16	I	102	BCR	C7-C8-C9-C34
16	I	102	BCR	C37-C22-C23-C24
16	M	1602	BCR	C37-C22-C23-C24
16	a	847	BCR	C7-C8-C9-C34
16	a	851	BCR	C11-C12-C13-C35
16	b	3044	BCR	C7-C8-C9-C34
16	l	209	BCR	C7-C8-C9-C34
16	l	209	BCR	C37-C22-C23-C24
16	m	101	BCR	C37-C22-C23-C24
16	1	847	BCR	C7-C8-C9-C34
16	1	851	BCR	C11-C12-C13-C35
16	2	3044	BCR	C7-C8-C9-C34
16	0	210	BCR	C7-C8-C9-C34
16	0	210	BCR	C37-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
16	y	101	BCR	C37-C22-C23-C24
16	A	851	BCR	C21-C22-C23-C24
16	A	852	BCR	C7-C8-C9-C10
16	a	850	BCR	C21-C22-C23-C24
16	a	851	BCR	C7-C8-C9-C10
16	1	850	BCR	C21-C22-C23-C24
16	1	851	BCR	C7-C8-C9-C10
14	B	3032	CLA	O1A-CGA-O2A-C1
14	B	3036	CLA	O1A-CGA-O2A-C1
14	b	3032	CLA	O1A-CGA-O2A-C1
14	b	3036	CLA	O1A-CGA-O2A-C1
14	2	3032	CLA	O1A-CGA-O2A-C1
14	2	3036	CLA	O1A-CGA-O2A-C1
14	B	3006	CLA	C15-C16-C17-C18
14	B	3010	CLA	C13-C15-C16-C17
14	b	3006	CLA	C15-C16-C17-C18
14	2	3006	CLA	C15-C16-C17-C18
14	B	3008	CLA	O1D-CGD-O2D-CED
14	B	3039	CLA	O1D-CGD-O2D-CED
14	b	3008	CLA	O1D-CGD-O2D-CED
14	b	3039	CLA	O1D-CGD-O2D-CED
14	2	3008	CLA	O1D-CGD-O2D-CED
14	2	3039	CLA	O1D-CGD-O2D-CED
14	2	3042	CLA	O1D-CGD-O2D-CED
14	A	829	CLA	CBA-CGA-O2A-C1
14	B	3004	CLA	CBA-CGA-O2A-C1
14	B	3035	CLA	CBA-CGA-O2A-C1
14	a	828	CLA	CBA-CGA-O2A-C1
14	b	3004	CLA	CBA-CGA-O2A-C1
14	b	3035	CLA	CBA-CGA-O2A-C1
14	1	829	CLA	CBA-CGA-O2A-C1
14	2	3004	CLA	CBA-CGA-O2A-C1
14	2	3035	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	C15-C16-C17-C18
14	A	838	CLA	C10-C11-C12-C13
14	B	3017	CLA	C13-C15-C16-C17
14	B	3026	CLA	C5-C6-C7-C8
14	B	3033	CLA	C15-C16-C17-C18
14	a	832	CLA	C15-C16-C17-C18
14	b	3010	CLA	C13-C15-C16-C17
14	b	3017	CLA	C13-C15-C16-C17
14	b	3026	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	b	3033	CLA	C15-C16-C17-C18
14	1	828	CLA	C8-C10-C11-C12
14	1	833	CLA	C15-C16-C17-C18
14	1	838	CLA	C10-C11-C12-C13
14	2	3010	CLA	C13-C15-C16-C17
14	2	3017	CLA	C13-C15-C16-C17
14	2	3026	CLA	C5-C6-C7-C8
14	2	3033	CLA	C15-C16-C17-C18
15	B	3043	PQN	C18-C20-C21-C22
15	b	3043	PQN	C18-C20-C21-C22
15	2	3043	PQN	C18-C20-C21-C22
14	B	3042	CLA	O1D-CGD-O2D-CED
14	b	3042	CLA	O1D-CGD-O2D-CED
14	A	807	CLA	C5-C6-C7-C8
14	A	828	CLA	C8-C10-C11-C12
14	A	833	CLA	C10-C11-C12-C13
14	A	839	CLA	C8-C10-C11-C12
14	A	839	CLA	C15-C16-C17-C18
14	B	3003	CLA	C13-C15-C16-C17
14	B	3008	CLA	C8-C10-C11-C12
14	B	3014	CLA	C15-C16-C17-C18
14	B	3015	CLA	C10-C11-C12-C13
14	B	3015	CLA	C15-C16-C17-C18
14	B	3027	CLA	C13-C15-C16-C17
14	L	205	CLA	C5-C6-C7-C8
14	a	806	CLA	C5-C6-C7-C8
14	a	827	CLA	C8-C10-C11-C12
14	a	832	CLA	C10-C11-C12-C13
14	a	837	CLA	C10-C11-C12-C13
14	a	838	CLA	C8-C10-C11-C12
14	a	838	CLA	C15-C16-C17-C18
14	b	3003	CLA	C13-C15-C16-C17
14	b	3008	CLA	C8-C10-C11-C12
14	b	3014	CLA	C15-C16-C17-C18
14	b	3015	CLA	C10-C11-C12-C13
14	b	3015	CLA	C15-C16-C17-C18
14	b	3027	CLA	C13-C15-C16-C17
14	l	208	CLA	C5-C6-C7-C8
14	1	807	CLA	C5-C6-C7-C8
14	1	833	CLA	C10-C11-C12-C13
14	1	839	CLA	C8-C10-C11-C12
14	1	839	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	2	3003	CLA	C13-C15-C16-C17
14	2	3008	CLA	C8-C10-C11-C12
14	2	3014	CLA	C15-C16-C17-C18
14	2	3015	CLA	C10-C11-C12-C13
14	2	3015	CLA	C15-C16-C17-C18
14	2	3027	CLA	C13-C15-C16-C17
14	0	209	CLA	C5-C6-C7-C8
14	B	3028	CLA	C2C-C3C-CAC-CBC
14	b	3028	CLA	C2C-C3C-CAC-CBC
14	2	3028	CLA	C2C-C3C-CAC-CBC
14	B	3006	CLA	O1A-CGA-O2A-C1
14	b	3006	CLA	O1A-CGA-O2A-C1
14	2	3006	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	C10-C11-C12-C13
14	a	811	CLA	C10-C11-C12-C13
14	1	812	CLA	C10-C11-C12-C13
14	A	832	CLA	CBA-CGA-O2A-C1
14	1	832	CLA	CBA-CGA-O2A-C1
17	L	207	LHG	C32-C33-C34-C35
17	l	201	LHG	C32-C33-C34-C35
17	0	201	LHG	C32-C33-C34-C35
14	A	825	CLA	O1D-CGD-O2D-CED
14	B	3022	CLA	O1D-CGD-O2D-CED
14	a	824	CLA	O1D-CGD-O2D-CED
14	b	3022	CLA	O1D-CGD-O2D-CED
14	1	825	CLA	O1D-CGD-O2D-CED
14	2	3022	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	C13-C15-C16-C17
14	A	826	CLA	C13-C15-C16-C17
14	B	3004	CLA	C8-C10-C11-C12
14	B	3009	CLA	C15-C16-C17-C18
14	a	818	CLA	C13-C15-C16-C17
14	a	825	CLA	C13-C15-C16-C17
14	b	3004	CLA	C8-C10-C11-C12
14	b	3009	CLA	C15-C16-C17-C18
14	1	819	CLA	C13-C15-C16-C17
14	1	826	CLA	C13-C15-C16-C17
14	2	3004	CLA	C8-C10-C11-C12
14	2	3009	CLA	C15-C16-C17-C18
14	A	804	CLA	C15-C16-C17-C18
14	B	3039	CLA	C13-C15-C16-C17
14	b	3039	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	j	1101	CLA	C15-C16-C17-C18
14	1	804	CLA	C15-C16-C17-C18
14	2	3039	CLA	C13-C15-C16-C17
14	A	821	CLA	C11-C12-C13-C15
14	A	830	CLA	C11-C12-C13-C15
14	A	840	CLA	C11-C12-C13-C15
14	B	3003	CLA	C11-C12-C13-C15
14	B	3012	CLA	C12-C13-C15-C16
14	B	3027	CLA	C11-C10-C8-C7
14	B	3042	CLA	C12-C13-C15-C16
14	a	820	CLA	C11-C12-C13-C15
14	a	829	CLA	C11-C12-C13-C15
14	a	839	CLA	C11-C12-C13-C15
14	b	3003	CLA	C11-C12-C13-C15
14	b	3012	CLA	C12-C13-C15-C16
14	b	3027	CLA	C11-C10-C8-C7
14	b	3042	CLA	C12-C13-C15-C16
14	1	821	CLA	C11-C12-C13-C15
14	1	830	CLA	C11-C12-C13-C15
14	1	840	CLA	C11-C12-C13-C15
14	2	3003	CLA	C11-C12-C13-C15
14	2	3012	CLA	C12-C13-C15-C16
14	2	3027	CLA	C11-C10-C8-C7
14	2	3042	CLA	C12-C13-C15-C16
14	a	831	CLA	CBA-CGA-O2A-C1
14	A	823	CLA	C2A-CAA-CBA-CGA
14	a	822	CLA	C2A-CAA-CBA-CGA
14	1	823	CLA	C2A-CAA-CBA-CGA
14	B	3040	CLA	O1D-CGD-O2D-CED
14	b	3040	CLA	O1D-CGD-O2D-CED
14	2	3040	CLA	O1D-CGD-O2D-CED
13	A	801	CL0	C8-C10-C11-C12
13	a	801	CL0	C8-C10-C11-C12
13	1	801	CL0	C8-C10-C11-C12
14	A	832	CLA	C5-C6-C7-C8
14	A	843	CLA	C13-C15-C16-C17
14	B	3025	CLA	C15-C16-C17-C18
14	L	203	CLA	C8-C10-C11-C12
14	a	831	CLA	C5-C6-C7-C8
14	a	842	CLA	C13-C15-C16-C17
14	b	3025	CLA	C15-C16-C17-C18
14	l	206	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	1	832	CLA	C5-C6-C7-C8
14	1	843	CLA	C13-C15-C16-C17
14	2	3025	CLA	C15-C16-C17-C18
14	0	207	CLA	C8-C10-C11-C12
16	B	3052	BCR	C22-C23-C24-C25
16	l	204	BCR	C22-C23-C24-C25
16	0	205	BCR	C22-C23-C24-C25
14	A	826	CLA	CBD-CGD-O2D-CED
14	a	825	CLA	CBD-CGD-O2D-CED
14	1	826	CLA	CBD-CGD-O2D-CED
14	B	3034	CLA	C13-C15-C16-C17
14	b	3034	CLA	C13-C15-C16-C17
14	2	3034	CLA	C13-C15-C16-C17
14	A	842	CLA	O1D-CGD-O2D-CED
14	a	841	CLA	O1D-CGD-O2D-CED
14	1	842	CLA	O1D-CGD-O2D-CED
16	A	847	BCR	C10-C11-C12-C13
16	A	848	BCR	C18-C19-C20-C21
16	B	3047	BCR	C10-C11-C12-C13
16	a	846	BCR	C10-C11-C12-C13
16	a	847	BCR	C18-C19-C20-C21
16	b	3047	BCR	C10-C11-C12-C13
16	1	846	BCR	C10-C11-C12-C13
16	1	847	BCR	C18-C19-C20-C21
16	2	3047	BCR	C10-C11-C12-C13
14	L	204	CLA	C2C-C3C-CAC-CBC
14	l	207	CLA	C2C-C3C-CAC-CBC
14	0	208	CLA	C2C-C3C-CAC-CBC
17	B	3051	LHG	O2-C2-C3-O3
17	b	3051	LHG	O2-C2-C3-O3
17	2	3051	LHG	O2-C2-C3-O3
14	A	838	CLA	C3-C5-C6-C7
14	a	837	CLA	C3-C5-C6-C7
14	1	838	CLA	C3-C5-C6-C7
14	B	3006	CLA	C8-C10-C11-C12
14	b	3006	CLA	C8-C10-C11-C12
14	2	3006	CLA	C8-C10-C11-C12
14	2	3026	CLA	C10-C11-C12-C13
14	A	825	CLA	CBA-CGA-O2A-C1
14	a	824	CLA	CBA-CGA-O2A-C1
14	1	825	CLA	CBA-CGA-O2A-C1
14	A	829	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	3029	CLA	O1A-CGA-O2A-C1
14	a	828	CLA	O1A-CGA-O2A-C1
14	b	3029	CLA	O1A-CGA-O2A-C1
14	1	829	CLA	O1A-CGA-O2A-C1
14	2	3029	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	C10-C11-C12-C13
14	B	3012	CLA	C13-C15-C16-C17
14	B	3017	CLA	C5-C6-C7-C8
14	B	3026	CLA	C10-C11-C12-C13
14	B	3035	CLA	C15-C16-C17-C18
14	a	817	CLA	C10-C11-C12-C13
14	b	3012	CLA	C13-C15-C16-C17
14	b	3017	CLA	C5-C6-C7-C8
14	b	3026	CLA	C10-C11-C12-C13
14	b	3035	CLA	C15-C16-C17-C18
14	1	818	CLA	C10-C11-C12-C13
14	2	3012	CLA	C13-C15-C16-C17
14	2	3017	CLA	C5-C6-C7-C8
14	2	3035	CLA	C15-C16-C17-C18
14	A	818	CLA	O1D-CGD-O2D-CED
14	B	3012	CLA	O1D-CGD-O2D-CED
14	a	817	CLA	O1D-CGD-O2D-CED
14	b	3012	CLA	O1D-CGD-O2D-CED
14	1	818	CLA	O1D-CGD-O2D-CED
14	2	3012	CLA	O1D-CGD-O2D-CED
14	B	3004	CLA	O1A-CGA-O2A-C1
14	b	3004	CLA	O1A-CGA-O2A-C1
14	b	3035	CLA	O1A-CGA-O2A-C1
14	2	3004	CLA	O1A-CGA-O2A-C1
14	A	809	CLA	C15-C16-C17-C18
14	A	838	CLA	C13-C15-C16-C17
14	A	841	CLA	C5-C6-C7-C8
14	B	3007	CLA	C15-C16-C17-C18
14	a	808	CLA	C15-C16-C17-C18
14	a	837	CLA	C13-C15-C16-C17
14	a	840	CLA	C5-C6-C7-C8
14	b	3007	CLA	C15-C16-C17-C18
14	1	809	CLA	C15-C16-C17-C18
14	1	838	CLA	C13-C15-C16-C17
14	1	841	CLA	C5-C6-C7-C8
14	2	3007	CLA	C15-C16-C17-C18
17	A	854	LHG	C3-O3-P-O6

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Mol	Chain	Res	Type	Atoms
17	A	854	LHG	C4-O6-P-O3
17	L	207	LHG	C3-O3-P-O6
17	L	208	LHG	C3-O3-P-O6
17	L	208	LHG	C4-O6-P-O3
17	a	853	LHG	C3-O3-P-O6
17	a	853	LHG	C4-O6-P-O3
17	l	201	LHG	C3-O3-P-O6
17	l	202	LHG	C3-O3-P-O6
17	l	202	LHG	C4-O6-P-O3
17	1	853	LHG	C3-O3-P-O6
17	1	853	LHG	C4-O6-P-O3
17	0	201	LHG	C3-O3-P-O6
17	0	202	LHG	C3-O3-P-O6
17	0	202	LHG	C4-O6-P-O3
17	A	854	LHG	C29-C30-C31-C32
17	a	853	LHG	C29-C30-C31-C32
17	1	853	LHG	C29-C30-C31-C32
14	A	840	CLA	C13-C15-C16-C17
14	a	839	CLA	C13-C15-C16-C17
14	1	840	CLA	C13-C15-C16-C17
14	B	3035	CLA	O1A-CGA-O2A-C1
14	2	3035	CLA	O1A-CGA-O2A-C1
17	B	3051	LHG	C1-C2-C3-O3
17	b	3051	LHG	C1-C2-C3-O3
17	2	3051	LHG	C1-C2-C3-O3
14	A	821	CLA	C4-C3-C5-C6
14	a	820	CLA	C4-C3-C5-C6
14	1	821	CLA	C4-C3-C5-C6
14	B	3034	CLA	C2-C3-C5-C6
14	2	3034	CLA	C2-C3-C5-C6
14	B	3016	CLA	C13-C15-C16-C17
14	a	806	CLA	C8-C10-C11-C12
14	b	3016	CLA	C13-C15-C16-C17
14	1	807	CLA	C8-C10-C11-C12
14	A	813	CLA	C2A-CAA-CBA-CGA
14	A	818	CLA	C2A-CAA-CBA-CGA
14	a	812	CLA	C2A-CAA-CBA-CGA
14	a	817	CLA	C2A-CAA-CBA-CGA
14	1	813	CLA	C2A-CAA-CBA-CGA
14	1	818	CLA	C2A-CAA-CBA-CGA
14	A	812	CLA	CBA-CGA-O2A-C1
14	A	824	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	A	839	CLA	CBA-CGA-O2A-C1
14	B	3030	CLA	CBA-CGA-O2A-C1
14	a	811	CLA	CBA-CGA-O2A-C1
14	a	823	CLA	CBA-CGA-O2A-C1
14	a	838	CLA	CBA-CGA-O2A-C1
14	b	3030	CLA	CBA-CGA-O2A-C1
14	1	812	CLA	CBA-CGA-O2A-C1
14	1	824	CLA	CBA-CGA-O2A-C1
14	1	839	CLA	CBA-CGA-O2A-C1
14	2	3030	CLA	CBA-CGA-O2A-C1
14	A	807	CLA	C8-C10-C11-C12
14	2	3016	CLA	C13-C15-C16-C17
16	F	202	BCR	C14-C15-C16-C17
16	f	202	BCR	C14-C15-C16-C17
16	6	202	BCR	C14-C15-C16-C17
14	b	3003	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	C15-C16-C17-C18
14	A	838	CLA	C15-C16-C17-C18
14	a	821	CLA	C15-C16-C17-C18
14	a	837	CLA	C15-C16-C17-C18
14	1	822	CLA	C15-C16-C17-C18
14	1	838	CLA	C15-C16-C17-C18
16	A	846	BCR	C11-C10-C9-C34
16	A	849	BCR	C35-C13-C14-C15
16	A	852	BCR	C35-C13-C14-C15
16	B	3052	BCR	C16-C17-C18-C36
16	B	3053	BCR	C35-C13-C14-C15
16	I	101	BCR	C35-C13-C14-C15
16	I	101	BCR	C16-C17-C18-C36
16	L	206	BCR	C11-C10-C9-C34
16	L	206	BCR	C16-C17-C18-C36
16	M	1602	BCR	C16-C17-C18-C36
16	a	845	BCR	C11-C10-C9-C34
16	a	848	BCR	C35-C13-C14-C15
16	a	851	BCR	C35-C13-C14-C15
16	i	101	BCR	C35-C13-C14-C15
16	i	101	BCR	C16-C17-C18-C36
16	j	1106	BCR	C35-C13-C14-C15
16	l	204	BCR	C16-C17-C18-C36
16	l	210	BCR	C11-C10-C9-C34
16	l	210	BCR	C16-C17-C18-C36
16	m	101	BCR	C16-C17-C18-C36

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Mol	Chain	Res	Type	Atoms
16	1	848	BCR	C35-C13-C14-C15
16	1	851	BCR	C35-C13-C14-C15
16	2	3052	BCR	C35-C13-C14-C15
16	7	101	BCR	C35-C13-C14-C15
16	7	101	BCR	C16-C17-C18-C36
16	9	102	BCR	C11-C10-C9-C34
16	0	205	BCR	C16-C17-C18-C36
16	0	211	BCR	C11-C10-C9-C34
16	0	211	BCR	C16-C17-C18-C36
16	y	101	BCR	C16-C17-C18-C36
14	L	204	CLA	C3-C5-C6-C7
14	l	207	CLA	C3-C5-C6-C7
14	0	208	CLA	C3-C5-C6-C7
17	1	852	LHG	C10-C11-C12-C13
14	B	3003	CLA	O1D-CGD-O2D-CED
14	2	3003	CLA	O1D-CGD-O2D-CED
14	B	3016	CLA	C16-C17-C18-C20
14	B	3019	CLA	C16-C17-C18-C20
14	b	3016	CLA	C16-C17-C18-C20
14	b	3019	CLA	C16-C17-C18-C20
14	2	3016	CLA	C16-C17-C18-C20
14	2	3019	CLA	C16-C17-C18-C20
17	A	853	LHG	C10-C11-C12-C13
17	a	852	LHG	C10-C11-C12-C13
14	a	824	CLA	C13-C15-C16-C17
14	A	811	CLA	O1D-CGD-O2D-CED
14	B	3034	CLA	O1D-CGD-O2D-CED
14	a	810	CLA	O1D-CGD-O2D-CED
14	b	3034	CLA	O1D-CGD-O2D-CED
14	1	811	CLA	O1D-CGD-O2D-CED
14	2	3034	CLA	O1D-CGD-O2D-CED
17	A	853	LHG	C32-C33-C34-C35
17	a	852	LHG	C32-C33-C34-C35
17	1	852	LHG	C32-C33-C34-C35
14	A	825	CLA	C13-C15-C16-C17
14	1	825	CLA	C13-C15-C16-C17
17	b	3051	LHG	C32-C33-C34-C35
17	2	3051	LHG	C32-C33-C34-C35
14	A	803	CLA	C3-C5-C6-C7
14	a	803	CLA	C3-C5-C6-C7
14	1	803	CLA	C3-C5-C6-C7
16	A	847	BCR	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
16	A	851	BCR	C12-C13-C14-C15
16	A	852	BCR	C11-C10-C9-C8
16	B	3053	BCR	C12-C13-C14-C15
16	F	202	BCR	C11-C10-C9-C8
16	I	101	BCR	C16-C17-C18-C19
16	I	102	BCR	C20-C21-C22-C23
16	J	103	BCR	C11-C10-C9-C8
16	L	206	BCR	C12-C13-C14-C15
16	M	1602	BCR	C11-C10-C9-C8
16	a	846	BCR	C12-C13-C14-C15
16	a	850	BCR	C12-C13-C14-C15
16	a	851	BCR	C11-C10-C9-C8
16	f	202	BCR	C11-C10-C9-C8
16	i	101	BCR	C16-C17-C18-C19
16	j	1104	BCR	C11-C10-C9-C8
16	j	1106	BCR	C12-C13-C14-C15
16	l	209	BCR	C20-C21-C22-C23
16	l	210	BCR	C12-C13-C14-C15
16	m	101	BCR	C11-C10-C9-C8
16	1	846	BCR	C12-C13-C14-C15
16	1	850	BCR	C12-C13-C14-C15
16	1	851	BCR	C11-C10-C9-C8
16	2	3052	BCR	C12-C13-C14-C15
16	6	202	BCR	C11-C10-C9-C8
16	7	101	BCR	C16-C17-C18-C19
16	8	103	BCR	C11-C10-C9-C8
16	0	210	BCR	C20-C21-C22-C23
16	0	211	BCR	C12-C13-C14-C15
16	y	101	BCR	C11-C10-C9-C8
14	B	3007	CLA	CBA-CGA-O2A-C1
14	b	3007	CLA	CBA-CGA-O2A-C1
14	2	3007	CLA	CBA-CGA-O2A-C1
17	A	853	LHG	C11-C10-C9-C8
17	A	853	LHG	C9-C10-C11-C12
17	B	3051	LHG	C32-C33-C34-C35
17	L	207	LHG	C34-C35-C36-C37
17	a	852	LHG	C11-C10-C9-C8
17	a	852	LHG	C9-C10-C11-C12
17	1	852	LHG	C11-C10-C9-C8
17	1	852	LHG	C9-C10-C11-C12
14	A	827	CLA	C8-C10-C11-C12
14	A	829	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	B	3025	CLA	C10-C11-C12-C13
14	B	3035	CLA	C10-C11-C12-C13
14	B	3039	CLA	C15-C16-C17-C18
14	a	820	CLA	C15-C16-C17-C18
14	a	826	CLA	C8-C10-C11-C12
14	a	828	CLA	C10-C11-C12-C13
14	b	3025	CLA	C10-C11-C12-C13
14	b	3035	CLA	C10-C11-C12-C13
14	b	3039	CLA	C15-C16-C17-C18
14	1	827	CLA	C8-C10-C11-C12
14	1	829	CLA	C10-C11-C12-C13
14	2	3025	CLA	C10-C11-C12-C13
14	2	3035	CLA	C10-C11-C12-C13
14	2	3039	CLA	C15-C16-C17-C18
14	A	825	CLA	O1A-CGA-O2A-C1
14	a	824	CLA	O1A-CGA-O2A-C1
14	1	825	CLA	O1A-CGA-O2A-C1
14	A	816	CLA	C16-C17-C18-C19
14	A	821	CLA	C16-C17-C18-C19
14	A	824	CLA	C16-C17-C18-C20
14	A	836	CLA	C16-C17-C18-C19
14	a	815	CLA	C16-C17-C18-C19
14	a	820	CLA	C16-C17-C18-C19
14	a	823	CLA	C16-C17-C18-C20
14	a	835	CLA	C16-C17-C18-C19
14	1	816	CLA	C16-C17-C18-C19
14	1	821	CLA	C16-C17-C18-C19
14	1	824	CLA	C16-C17-C18-C20
14	1	836	CLA	C16-C17-C18-C19
14	A	803	CLA	C4-C3-C5-C6
14	B	3039	CLA	C4-C3-C5-C6
14	a	803	CLA	C4-C3-C5-C6
14	b	3039	CLA	C4-C3-C5-C6
14	1	803	CLA	C4-C3-C5-C6
14	2	3039	CLA	C4-C3-C5-C6
14	A	805	CLA	C2C-C3C-CAC-CBC
14	a	804	CLA	C2C-C3C-CAC-CBC
14	1	805	CLA	C2C-C3C-CAC-CBC
17	A	853	LHG	C27-C28-C29-C30
17	L	208	LHG	C12-C13-C14-C15
17	a	852	LHG	C27-C28-C29-C30
17	l	201	LHG	C34-C35-C36-C37

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Mol	Chain	Res	Type	Atoms
17	l	202	LHG	C12-C13-C14-C15
17	1	852	LHG	C27-C28-C29-C30
17	0	201	LHG	C34-C35-C36-C37
17	0	202	LHG	C12-C13-C14-C15
14	A	821	CLA	C2-C3-C5-C6
14	a	820	CLA	C2-C3-C5-C6
14	1	821	CLA	C2-C3-C5-C6
13	A	801	CL0	C11-C12-C13-C14
13	a	801	CL0	C11-C12-C13-C14
13	1	801	CL0	C11-C12-C13-C14
14	A	802	CLA	C11-C12-C13-C14
14	A	804	CLA	C11-C10-C8-C9
14	A	816	CLA	C6-C7-C8-C9
14	A	839	CLA	C11-C12-C13-C14
14	B	3004	CLA	C11-C12-C13-C14
14	B	3008	CLA	C11-C12-C13-C14
14	B	3008	CLA	C14-C13-C15-C16
14	B	3041	CLA	C6-C7-C8-C9
14	B	3042	CLA	C14-C13-C15-C16
14	a	802	CLA	C11-C12-C13-C14
14	a	815	CLA	C6-C7-C8-C9
14	a	838	CLA	C11-C12-C13-C14
14	b	3004	CLA	C11-C12-C13-C14
14	b	3008	CLA	C11-C12-C13-C14
14	b	3008	CLA	C14-C13-C15-C16
14	b	3041	CLA	C6-C7-C8-C9
14	b	3042	CLA	C14-C13-C15-C16
14	j	1101	CLA	C11-C10-C8-C9
14	1	802	CLA	C11-C12-C13-C14
14	1	804	CLA	C11-C10-C8-C9
14	1	816	CLA	C6-C7-C8-C9
14	1	839	CLA	C11-C12-C13-C14
14	2	3004	CLA	C11-C12-C13-C14
14	2	3008	CLA	C11-C12-C13-C14
14	2	3008	CLA	C14-C13-C15-C16
14	2	3041	CLA	C6-C7-C8-C9
14	2	3042	CLA	C14-C13-C15-C16
17	A	854	LHG	C10-C11-C12-C13
17	a	853	LHG	C10-C11-C12-C13
17	1	853	LHG	C10-C11-C12-C13
14	A	821	CLA	C15-C16-C17-C18
14	A	842	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	a	841	CLA	C10-C11-C12-C13
14	1	821	CLA	C15-C16-C17-C18
14	1	842	CLA	C10-C11-C12-C13
14	A	832	CLA	C2A-CAA-CBA-CGA
14	B	3024	CLA	C2A-CAA-CBA-CGA
14	B	3031	CLA	C2A-CAA-CBA-CGA
14	a	831	CLA	C2A-CAA-CBA-CGA
14	b	3024	CLA	C2A-CAA-CBA-CGA
14	b	3031	CLA	C2A-CAA-CBA-CGA
14	1	832	CLA	C2A-CAA-CBA-CGA
14	2	3024	CLA	C2A-CAA-CBA-CGA
14	2	3031	CLA	C2A-CAA-CBA-CGA
14	A	832	CLA	O1A-CGA-O2A-C1
14	a	831	CLA	O1A-CGA-O2A-C1
14	1	832	CLA	O1A-CGA-O2A-C1
16	B	3044	BCR	C37-C22-C23-C24
16	b	3044	BCR	C37-C22-C23-C24
16	2	3044	BCR	C37-C22-C23-C24
14	A	806	CLA	C13-C15-C16-C17
14	a	805	CLA	C13-C15-C16-C17
14	1	806	CLA	C13-C15-C16-C17
17	L	208	LHG	C8-C7-O7-C5
17	1	202	LHG	C8-C7-O7-C5
17	0	202	LHG	C8-C7-O7-C5
17	L	208	LHG	C15-C16-C17-C18
17	1	202	LHG	C15-C16-C17-C18
17	0	202	LHG	C15-C16-C17-C18
17	L	208	LHG	C23-C24-C25-C26
17	1	202	LHG	C23-C24-C25-C26
17	0	202	LHG	C23-C24-C25-C26
14	A	806	CLA	O1D-CGD-O2D-CED
14	a	805	CLA	O1D-CGD-O2D-CED
14	1	806	CLA	O1D-CGD-O2D-CED
17	A	854	LHG	C26-C27-C28-C29
17	B	3051	LHG	C13-C14-C15-C16
17	a	853	LHG	C26-C27-C28-C29
17	b	3051	LHG	C13-C14-C15-C16
17	1	853	LHG	C26-C27-C28-C29
17	2	3051	LHG	C13-C14-C15-C16
14	A	819	CLA	C16-C17-C18-C19
14	A	819	CLA	C16-C17-C18-C20
14	A	839	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	A	843	CLA	C16-C17-C18-C19
14	B	3006	CLA	C16-C17-C18-C19
14	B	3016	CLA	C16-C17-C18-C19
14	B	3031	CLA	C6-C7-C8-C9
14	B	3031	CLA	C6-C7-C8-C10
14	a	818	CLA	C16-C17-C18-C19
14	a	818	CLA	C16-C17-C18-C20
14	a	838	CLA	C16-C17-C18-C20
14	a	842	CLA	C16-C17-C18-C19
14	b	3006	CLA	C16-C17-C18-C19
14	b	3016	CLA	C16-C17-C18-C19
14	b	3031	CLA	C6-C7-C8-C9
14	b	3031	CLA	C6-C7-C8-C10
14	1	819	CLA	C16-C17-C18-C19
14	1	819	CLA	C16-C17-C18-C20
14	1	839	CLA	C16-C17-C18-C20
14	1	843	CLA	C16-C17-C18-C19
14	2	3006	CLA	C16-C17-C18-C19
14	2	3016	CLA	C16-C17-C18-C19
14	2	3031	CLA	C6-C7-C8-C10
14	B	3007	CLA	C10-C11-C12-C13
14	b	3007	CLA	C10-C11-C12-C13
14	2	3007	CLA	C10-C11-C12-C13
14	2	3030	CLA	C13-C15-C16-C17
14	B	3028	CLA	O1D-CGD-O2D-CED
14	b	3028	CLA	O1D-CGD-O2D-CED
14	2	3028	CLA	O1D-CGD-O2D-CED
17	L	207	LHG	C33-C34-C35-C36
17	l	201	LHG	C33-C34-C35-C36
17	0	201	LHG	C33-C34-C35-C36
14	A	819	CLA	C8-C10-C11-C12
14	B	3030	CLA	C13-C15-C16-C17
14	a	818	CLA	C8-C10-C11-C12
14	b	3030	CLA	C13-C15-C16-C17
14	1	819	CLA	C8-C10-C11-C12
14	2	3015	CLA	C8-C10-C11-C12
14	A	812	CLA	O1A-CGA-O2A-C1
14	a	811	CLA	O1A-CGA-O2A-C1
14	1	812	CLA	O1A-CGA-O2A-C1
20	B	3050	LMG	C12-C13-C14-C15
20	b	3050	LMG	C12-C13-C14-C15
20	2	3050	LMG	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
17	B	3051	LHG	C15-C16-C17-C18
17	b	3051	LHG	C15-C16-C17-C18
17	2	3051	LHG	C15-C16-C17-C18
20	B	3050	LMG	C35-C36-C37-C38
20	b	3050	LMG	C35-C36-C37-C38
20	2	3050	LMG	C35-C36-C37-C38
14	A	807	CLA	C3A-C2A-CAA-CBA
14	B	3011	CLA	C3A-C2A-CAA-CBA
14	B	3038	CLA	C3A-C2A-CAA-CBA
14	a	806	CLA	C3A-C2A-CAA-CBA
14	b	3011	CLA	C3A-C2A-CAA-CBA
14	b	3038	CLA	C3A-C2A-CAA-CBA
14	1	807	CLA	C3A-C2A-CAA-CBA
14	2	3011	CLA	C3A-C2A-CAA-CBA
14	2	3038	CLA	C3A-C2A-CAA-CBA
14	A	804	CLA	C10-C11-C12-C13
14	B	3015	CLA	C8-C10-C11-C12
14	b	3015	CLA	C8-C10-C11-C12
14	B	3024	CLA	O1D-CGD-O2D-CED
14	b	3024	CLA	O1D-CGD-O2D-CED
14	2	3024	CLA	O1D-CGD-O2D-CED
14	A	816	CLA	C16-C17-C18-C20
14	a	815	CLA	C16-C17-C18-C20
14	1	816	CLA	C16-C17-C18-C20
14	2	3031	CLA	C6-C7-C8-C9
14	1	804	CLA	C10-C11-C12-C13
17	L	208	LHG	C4-C5-C6-O8
17	l	202	LHG	C4-C5-C6-O8
17	0	202	LHG	C4-C5-C6-O8
17	A	854	LHG	C32-C33-C34-C35
17	a	853	LHG	C32-C33-C34-C35
17	1	853	LHG	C32-C33-C34-C35
13	A	801	CL0	C3-C5-C6-C7
13	a	801	CL0	C3-C5-C6-C7
13	1	801	CL0	C3-C5-C6-C7
14	A	809	CLA	C3-C5-C6-C7
14	A	817	CLA	C3-C5-C6-C7
14	B	3010	CLA	C3-C5-C6-C7
14	B	3023	CLA	C3-C5-C6-C7
14	a	808	CLA	C3-C5-C6-C7
14	a	816	CLA	C3-C5-C6-C7
14	b	3010	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	b	3023	CLA	C3-C5-C6-C7
14	1	809	CLA	C3-C5-C6-C7
14	1	817	CLA	C3-C5-C6-C7
14	2	3010	CLA	C3-C5-C6-C7
14	2	3023	CLA	C3-C5-C6-C7
14	j	1101	CLA	C10-C11-C12-C13
14	A	805	CLA	C4-C3-C5-C6
14	A	812	CLA	C4-C3-C5-C6
14	A	834	CLA	C4-C3-C5-C6
14	a	804	CLA	C4-C3-C5-C6
14	a	811	CLA	C4-C3-C5-C6
14	a	833	CLA	C4-C3-C5-C6
14	1	805	CLA	C4-C3-C5-C6
14	1	812	CLA	C4-C3-C5-C6
14	1	834	CLA	C4-C3-C5-C6
14	A	821	CLA	CBA-CGA-O2A-C1
14	A	838	CLA	CBA-CGA-O2A-C1
14	a	820	CLA	CBA-CGA-O2A-C1
14	a	837	CLA	CBA-CGA-O2A-C1
14	1	821	CLA	CBA-CGA-O2A-C1
14	1	838	CLA	CBA-CGA-O2A-C1
14	A	803	CLA	C2-C3-C5-C6
14	A	805	CLA	C2-C3-C5-C6
14	A	812	CLA	C2-C3-C5-C6
14	A	825	CLA	C2-C3-C5-C6
14	B	3009	CLA	C2-C3-C5-C6
14	a	803	CLA	C2-C3-C5-C6
14	a	804	CLA	C2-C3-C5-C6
14	a	811	CLA	C2-C3-C5-C6
14	a	824	CLA	C2-C3-C5-C6
14	b	3009	CLA	C2-C3-C5-C6
14	1	803	CLA	C2-C3-C5-C6
14	1	805	CLA	C2-C3-C5-C6
14	1	812	CLA	C2-C3-C5-C6
14	1	825	CLA	C2-C3-C5-C6
14	2	3009	CLA	C2-C3-C5-C6
20	B	3050	LMG	C11-C10-O7-C8
20	b	3050	LMG	C11-C10-O7-C8
20	2	3050	LMG	C11-C10-O7-C8
14	A	822	CLA	C2A-CAA-CBA-CGA
14	a	821	CLA	C2A-CAA-CBA-CGA
14	1	822	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
17	L	208	LHG	O1-C1-C2-O2
17	l	202	LHG	O1-C1-C2-O2
17	0	202	LHG	O1-C1-C2-O2
14	B	3030	CLA	C8-C10-C11-C12
14	2	3030	CLA	C8-C10-C11-C12
17	A	853	LHG	C24-C25-C26-C27
17	a	852	LHG	C24-C25-C26-C27
17	1	852	LHG	C24-C25-C26-C27
20	B	3050	LMG	C18-C19-C20-C21
14	a	838	CLA	O1A-CGA-O2A-C1
14	1	839	CLA	O1A-CGA-O2A-C1
14	B	3019	CLA	C16-C17-C18-C19
14	b	3019	CLA	C16-C17-C18-C19
14	2	3019	CLA	C16-C17-C18-C19
20	2	3050	LMG	C18-C19-C20-C21
14	A	802	CLA	C8-C10-C11-C12
14	a	802	CLA	C8-C10-C11-C12
14	b	3030	CLA	C8-C10-C11-C12
14	1	802	CLA	C8-C10-C11-C12
20	b	3050	LMG	C18-C19-C20-C21
14	A	827	CLA	C3-C5-C6-C7
14	a	826	CLA	C3-C5-C6-C7
14	1	827	CLA	C3-C5-C6-C7
14	A	824	CLA	O1A-CGA-O2A-C1
14	A	839	CLA	O1A-CGA-O2A-C1
14	B	3007	CLA	O1A-CGA-O2A-C1
14	B	3030	CLA	O1A-CGA-O2A-C1
14	a	823	CLA	O1A-CGA-O2A-C1
14	b	3007	CLA	O1A-CGA-O2A-C1
14	b	3030	CLA	O1A-CGA-O2A-C1
14	1	824	CLA	O1A-CGA-O2A-C1
14	2	3007	CLA	O1A-CGA-O2A-C1
14	2	3030	CLA	O1A-CGA-O2A-C1
14	b	3021	CLA	C10-C11-C12-C13
14	2	3021	CLA	C10-C11-C12-C13
20	B	3050	LMG	C31-C32-C33-C34
20	b	3050	LMG	C31-C32-C33-C34
20	2	3050	LMG	C31-C32-C33-C34
14	B	3007	CLA	C13-C15-C16-C17
14	B	3021	CLA	C10-C11-C12-C13
14	2	3007	CLA	C13-C15-C16-C17
14	2	3026	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	A	851	BCR	C1-C6-C7-C8
16	A	851	BCR	C5-C6-C7-C8
16	A	851	BCR	C23-C24-C25-C26
16	A	851	BCR	C23-C24-C25-C30
16	A	852	BCR	C1-C6-C7-C8
16	B	3045	BCR	C1-C6-C7-C8
16	B	3045	BCR	C5-C6-C7-C8
16	B	3046	BCR	C1-C6-C7-C8
16	B	3046	BCR	C5-C6-C7-C8
16	B	3047	BCR	C23-C24-C25-C26
16	B	3048	BCR	C23-C24-C25-C26
16	B	3048	BCR	C23-C24-C25-C30
16	B	3053	BCR	C5-C6-C7-C8
16	B	3053	BCR	C23-C24-C25-C30
16	F	202	BCR	C23-C24-C25-C26
16	F	202	BCR	C23-C24-C25-C30
16	F	205	BCR	C23-C24-C25-C26
16	I	101	BCR	C1-C6-C7-C8
16	I	101	BCR	C5-C6-C7-C8
16	J	103	BCR	C1-C6-C7-C8
16	J	103	BCR	C5-C6-C7-C8
16	J	104	BCR	C1-C6-C7-C8
16	J	104	BCR	C5-C6-C7-C8
16	J	104	BCR	C23-C24-C25-C26
16	J	104	BCR	C23-C24-C25-C30
16	M	1602	BCR	C1-C6-C7-C8
16	M	1602	BCR	C5-C6-C7-C8
16	a	850	BCR	C1-C6-C7-C8
16	a	850	BCR	C5-C6-C7-C8
16	a	850	BCR	C23-C24-C25-C26
16	a	850	BCR	C23-C24-C25-C30
16	a	851	BCR	C1-C6-C7-C8
16	b	3045	BCR	C1-C6-C7-C8
16	b	3045	BCR	C5-C6-C7-C8
16	b	3046	BCR	C1-C6-C7-C8
16	b	3046	BCR	C5-C6-C7-C8
16	b	3047	BCR	C23-C24-C25-C26
16	b	3048	BCR	C23-C24-C25-C26
16	b	3048	BCR	C23-C24-C25-C30
16	f	202	BCR	C23-C24-C25-C26
16	f	202	BCR	C23-C24-C25-C30
16	f	205	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
16	i	101	BCR	C1-C6-C7-C8
16	i	101	BCR	C5-C6-C7-C8
16	j	1104	BCR	C1-C6-C7-C8
16	j	1104	BCR	C5-C6-C7-C8
16	j	1105	BCR	C1-C6-C7-C8
16	j	1105	BCR	C5-C6-C7-C8
16	j	1105	BCR	C23-C24-C25-C26
16	j	1105	BCR	C23-C24-C25-C30
16	j	1106	BCR	C5-C6-C7-C8
16	j	1106	BCR	C23-C24-C25-C30
16	m	101	BCR	C1-C6-C7-C8
16	m	101	BCR	C5-C6-C7-C8
16	1	850	BCR	C1-C6-C7-C8
16	1	850	BCR	C5-C6-C7-C8
16	1	850	BCR	C23-C24-C25-C26
16	1	850	BCR	C23-C24-C25-C30
16	1	851	BCR	C1-C6-C7-C8
16	2	3045	BCR	C1-C6-C7-C8
16	2	3045	BCR	C5-C6-C7-C8
16	2	3046	BCR	C1-C6-C7-C8
16	2	3046	BCR	C5-C6-C7-C8
16	2	3047	BCR	C23-C24-C25-C26
16	2	3048	BCR	C23-C24-C25-C26
16	2	3048	BCR	C23-C24-C25-C30
16	2	3052	BCR	C5-C6-C7-C8
16	2	3052	BCR	C23-C24-C25-C30
16	6	202	BCR	C23-C24-C25-C26
16	6	202	BCR	C23-C24-C25-C30
16	6	205	BCR	C23-C24-C25-C26
16	7	101	BCR	C1-C6-C7-C8
16	7	101	BCR	C5-C6-C7-C8
16	8	103	BCR	C1-C6-C7-C8
16	8	103	BCR	C5-C6-C7-C8
16	8	104	BCR	C1-C6-C7-C8
16	8	104	BCR	C5-C6-C7-C8
16	8	104	BCR	C23-C24-C25-C26
16	8	104	BCR	C23-C24-C25-C30
16	y	101	BCR	C1-C6-C7-C8
16	y	101	BCR	C5-C6-C7-C8
14	A	810	CLA	C15-C16-C17-C18
14	A	830	CLA	C8-C10-C11-C12
14	B	3029	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	B	3030	CLA	C5-C6-C7-C8
14	a	809	CLA	C15-C16-C17-C18
14	a	829	CLA	C8-C10-C11-C12
14	b	3029	CLA	C13-C15-C16-C17
14	b	3030	CLA	C5-C6-C7-C8
14	1	810	CLA	C15-C16-C17-C18
14	1	830	CLA	C8-C10-C11-C12
14	2	3029	CLA	C13-C15-C16-C17
14	2	3030	CLA	C5-C6-C7-C8
17	A	853	LHG	C8-C7-O7-C5
17	a	852	LHG	C8-C7-O7-C5
17	1	852	LHG	C8-C7-O7-C5
14	A	830	CLA	C13-C15-C16-C17
14	a	829	CLA	C13-C15-C16-C17
14	b	3007	CLA	C13-C15-C16-C17
14	1	830	CLA	C13-C15-C16-C17
14	A	825	CLA	C4-C3-C5-C6
14	B	3009	CLA	C4-C3-C5-C6
14	a	824	CLA	C4-C3-C5-C6
14	b	3009	CLA	C4-C3-C5-C6
14	1	825	CLA	C4-C3-C5-C6
14	2	3009	CLA	C4-C3-C5-C6
14	A	804	CLA	C11-C10-C8-C7
14	A	809	CLA	C6-C7-C8-C10
14	A	816	CLA	C6-C7-C8-C10
14	A	819	CLA	C11-C12-C13-C15
14	A	821	CLA	C12-C13-C15-C16
14	A	827	CLA	C11-C12-C13-C15
14	A	830	CLA	C12-C13-C15-C16
14	A	834	CLA	C2-C3-C5-C6
14	A	839	CLA	C11-C12-C13-C15
14	B	3004	CLA	C11-C12-C13-C15
14	B	3005	CLA	C11-C12-C13-C15
14	B	3006	CLA	C6-C7-C8-C10
14	B	3008	CLA	C11-C12-C13-C15
14	B	3008	CLA	C12-C13-C15-C16
14	B	3011	CLA	C11-C12-C13-C15
14	B	3018	CLA	C11-C12-C13-C15
14	B	3025	CLA	C11-C10-C8-C7
14	B	3025	CLA	C11-C12-C13-C15
14	B	3027	CLA	C12-C13-C15-C16
14	B	3028	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	B	3039	CLA	C2-C3-C5-C6
14	a	808	CLA	C6-C7-C8-C10
14	a	815	CLA	C6-C7-C8-C10
14	a	818	CLA	C11-C12-C13-C15
14	a	820	CLA	C12-C13-C15-C16
14	a	826	CLA	C11-C12-C13-C15
14	a	833	CLA	C2-C3-C5-C6
14	a	838	CLA	C11-C12-C13-C15
14	b	3004	CLA	C11-C12-C13-C15
14	b	3005	CLA	C11-C12-C13-C15
14	b	3006	CLA	C6-C7-C8-C10
14	b	3008	CLA	C11-C12-C13-C15
14	b	3008	CLA	C12-C13-C15-C16
14	b	3011	CLA	C11-C12-C13-C15
14	b	3018	CLA	C11-C12-C13-C15
14	b	3025	CLA	C11-C10-C8-C7
14	b	3025	CLA	C11-C12-C13-C15
14	b	3027	CLA	C12-C13-C15-C16
14	b	3028	CLA	C11-C12-C13-C15
14	b	3039	CLA	C2-C3-C5-C6
14	j	1101	CLA	C11-C10-C8-C7
14	1	804	CLA	C11-C10-C8-C7
14	1	809	CLA	C6-C7-C8-C10
14	1	816	CLA	C6-C7-C8-C10
14	1	819	CLA	C11-C12-C13-C15
14	1	821	CLA	C12-C13-C15-C16
14	1	827	CLA	C11-C12-C13-C15
14	1	834	CLA	C2-C3-C5-C6
14	1	839	CLA	C11-C12-C13-C15
14	2	3004	CLA	C11-C12-C13-C15
14	2	3005	CLA	C11-C12-C13-C15
14	2	3008	CLA	C11-C12-C13-C15
14	2	3008	CLA	C12-C13-C15-C16
14	2	3011	CLA	C11-C12-C13-C15
14	2	3018	CLA	C11-C12-C13-C15
14	2	3025	CLA	C11-C10-C8-C7
14	2	3025	CLA	C11-C12-C13-C15
14	2	3027	CLA	C12-C13-C15-C16
14	2	3028	CLA	C11-C12-C13-C15
14	2	3039	CLA	C2-C3-C5-C6
14	B	3026	CLA	C3-C5-C6-C7
14	b	3026	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	A	827	CLA	C15-C16-C17-C18
14	B	3028	CLA	C8-C10-C11-C12
14	a	826	CLA	C15-C16-C17-C18
14	b	3028	CLA	C8-C10-C11-C12
14	1	827	CLA	C15-C16-C17-C18
14	2	3028	CLA	C8-C10-C11-C12
16	A	848	BCR	C19-C20-C21-C22
16	a	847	BCR	C19-C20-C21-C22
16	1	847	BCR	C19-C20-C21-C22
14	A	836	CLA	C16-C17-C18-C20
14	a	835	CLA	C16-C17-C18-C20
14	1	836	CLA	C16-C17-C18-C20
17	L	207	LHG	O9-C7-O7-C5
17	l	201	LHG	O9-C7-O7-C5
17	0	201	LHG	O9-C7-O7-C5
14	A	840	CLA	CBA-CGA-O2A-C1
14	B	3023	CLA	CBA-CGA-O2A-C1
14	a	839	CLA	CBA-CGA-O2A-C1
14	b	3023	CLA	CBA-CGA-O2A-C1
14	1	840	CLA	CBA-CGA-O2A-C1
14	2	3023	CLA	CBA-CGA-O2A-C1
17	B	3051	LHG	C16-C17-C18-C19
17	b	3051	LHG	C16-C17-C18-C19
17	2	3051	LHG	C16-C17-C18-C19
20	B	3050	LMG	C16-C17-C18-C19
20	b	3050	LMG	C16-C17-C18-C19
20	2	3050	LMG	C16-C17-C18-C19
14	A	803	CLA	C2A-CAA-CBA-CGA
14	B	3005	CLA	C2A-CAA-CBA-CGA
14	a	803	CLA	C2A-CAA-CBA-CGA
14	b	3005	CLA	C2A-CAA-CBA-CGA
14	1	803	CLA	C2A-CAA-CBA-CGA
14	2	3005	CLA	C2A-CAA-CBA-CGA
17	L	207	LHG	C10-C11-C12-C13
17	L	207	LHG	C16-C17-C18-C19
17	l	201	LHG	C10-C11-C12-C13
17	0	201	LHG	C16-C17-C18-C19
17	l	201	LHG	C16-C17-C18-C19
17	0	201	LHG	C10-C11-C12-C13
14	B	3003	CLA	C15-C16-C17-C18
14	b	3003	CLA	C15-C16-C17-C18
14	l	203	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	2	3003	CLA	C15-C16-C17-C18
14	A	837	CLA	CBD-CGD-O2D-CED
14	A	838	CLA	C16-C17-C18-C20
14	B	3017	CLA	C16-C17-C18-C20
14	a	837	CLA	C16-C17-C18-C20
14	b	3017	CLA	C16-C17-C18-C20
14	1	838	CLA	C16-C17-C18-C20
14	2	3017	CLA	C16-C17-C18-C20
14	B	3021	CLA	C8-C10-C11-C12
14	L	201	CLA	C5-C6-C7-C8
14	b	3021	CLA	C8-C10-C11-C12
14	b	3035	CLA	C8-C10-C11-C12
14	2	3021	CLA	C8-C10-C11-C12
14	0	204	CLA	C5-C6-C7-C8
14	B	3015	CLA	O1D-CGD-O2D-CED
16	A	851	BCR	C14-C15-C16-C17
16	a	850	BCR	C14-C15-C16-C17
16	1	850	BCR	C14-C15-C16-C17
14	A	812	CLA	C8-C10-C11-C12
14	B	3035	CLA	C8-C10-C11-C12
14	a	811	CLA	C8-C10-C11-C12
14	1	812	CLA	C8-C10-C11-C12
14	2	3035	CLA	C8-C10-C11-C12
14	2	3035	CLA	C13-C15-C16-C17
14	A	814	CLA	CBD-CGD-O2D-CED
14	a	813	CLA	CBD-CGD-O2D-CED
14	a	836	CLA	CBD-CGD-O2D-CED
14	1	814	CLA	CBD-CGD-O2D-CED
14	1	837	CLA	CBD-CGD-O2D-CED
14	a	837	CLA	O1A-CGA-O2A-C1
14	1	838	CLA	O1A-CGA-O2A-C1
14	L	204	CLA	C4C-C3C-CAC-CBC
14	b	3015	CLA	O1D-CGD-O2D-CED
14	l	207	CLA	C4C-C3C-CAC-CBC
14	0	208	CLA	C4C-C3C-CAC-CBC
17	A	854	LHG	C11-C10-C9-C8
17	a	853	LHG	C11-C10-C9-C8
14	B	3035	CLA	C13-C15-C16-C17
14	b	3035	CLA	C13-C15-C16-C17
17	1	853	LHG	C11-C10-C9-C8
14	A	838	CLA	O1A-CGA-O2A-C1
14	A	821	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	B	3006	CLA	C16-C17-C18-C20
14	a	820	CLA	C16-C17-C18-C20
14	b	3006	CLA	C16-C17-C18-C20
14	1	821	CLA	C16-C17-C18-C20
14	2	3006	CLA	C16-C17-C18-C20
14	B	3004	CLA	C15-C16-C17-C18
14	b	3004	CLA	C15-C16-C17-C18
14	2	3004	CLA	C15-C16-C17-C18
14	2	3015	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	C11-C12-C13-C14
14	A	821	CLA	C11-C12-C13-C14
14	A	821	CLA	C14-C13-C15-C16
14	A	827	CLA	C11-C12-C13-C14
14	A	828	CLA	C6-C7-C8-C9
14	A	830	CLA	C11-C12-C13-C14
14	A	830	CLA	C14-C13-C15-C16
14	A	840	CLA	C11-C12-C13-C14
14	B	3006	CLA	C6-C7-C8-C9
14	B	3010	CLA	C11-C10-C8-C9
14	B	3025	CLA	C11-C10-C8-C9
14	B	3028	CLA	C11-C12-C13-C14
14	L	203	CLA	C11-C10-C8-C9
14	a	818	CLA	C11-C12-C13-C14
14	a	820	CLA	C11-C12-C13-C14
14	a	820	CLA	C14-C13-C15-C16
14	a	826	CLA	C11-C12-C13-C14
14	a	827	CLA	C6-C7-C8-C9
14	a	829	CLA	C11-C12-C13-C14
14	a	829	CLA	C14-C13-C15-C16
14	a	839	CLA	C11-C12-C13-C14
14	b	3006	CLA	C6-C7-C8-C9
14	b	3010	CLA	C11-C10-C8-C9
14	b	3025	CLA	C11-C10-C8-C9
14	b	3028	CLA	C11-C12-C13-C14
14	l	206	CLA	C11-C10-C8-C9
14	1	819	CLA	C11-C12-C13-C14
14	1	821	CLA	C11-C12-C13-C14
14	1	821	CLA	C14-C13-C15-C16
14	1	827	CLA	C11-C12-C13-C14
14	1	828	CLA	C6-C7-C8-C9
14	1	830	CLA	C11-C12-C13-C14
14	1	830	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	1	840	CLA	C11-C12-C13-C14
14	2	3006	CLA	C6-C7-C8-C9
14	2	3010	CLA	C11-C10-C8-C9
14	2	3025	CLA	C11-C10-C8-C9
14	2	3028	CLA	C11-C12-C13-C14
14	0	207	CLA	C11-C10-C8-C9
14	A	814	CLA	C2A-CAA-CBA-CGA
14	A	819	CLA	C2A-CAA-CBA-CGA
14	X	1701	CLA	C2A-CAA-CBA-CGA
14	a	813	CLA	C2A-CAA-CBA-CGA
14	a	818	CLA	C2A-CAA-CBA-CGA
14	x	1701	CLA	C2A-CAA-CBA-CGA
14	1	814	CLA	C2A-CAA-CBA-CGA
14	1	819	CLA	C2A-CAA-CBA-CGA
14	z	1701	CLA	C2A-CAA-CBA-CGA
16	A	848	BCR	C37-C22-C23-C24
16	J	103	BCR	C36-C18-C19-C20
16	a	847	BCR	C37-C22-C23-C24
16	j	1104	BCR	C36-C18-C19-C20
16	1	847	BCR	C37-C22-C23-C24
16	8	103	BCR	C36-C18-C19-C20
16	A	847	BCR	C11-C12-C13-C14
16	a	846	BCR	C11-C12-C13-C14
16	1	846	BCR	C11-C12-C13-C14
14	A	821	CLA	O1A-CGA-O2A-C1
14	a	820	CLA	O1A-CGA-O2A-C1
14	1	821	CLA	O1A-CGA-O2A-C1
14	A	809	CLA	C1A-C2A-CAA-CBA
14	A	824	CLA	C1A-C2A-CAA-CBA
14	A	830	CLA	C1A-C2A-CAA-CBA
14	B	3007	CLA	C1A-C2A-CAA-CBA
14	B	3019	CLA	C1A-C2A-CAA-CBA
14	B	3026	CLA	C1A-C2A-CAA-CBA
14	B	3033	CLA	C1A-C2A-CAA-CBA
14	B	3038	CLA	C1A-C2A-CAA-CBA
14	K	101	CLA	C1A-C2A-CAA-CBA
14	a	808	CLA	C1A-C2A-CAA-CBA
14	a	823	CLA	C1A-C2A-CAA-CBA
14	a	829	CLA	C1A-C2A-CAA-CBA
14	b	3007	CLA	C1A-C2A-CAA-CBA
14	b	3019	CLA	C1A-C2A-CAA-CBA
14	b	3026	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	b	3033	CLA	C1A-C2A-CAA-CBA
14	b	3038	CLA	C1A-C2A-CAA-CBA
14	k	101	CLA	C1A-C2A-CAA-CBA
14	1	809	CLA	C1A-C2A-CAA-CBA
14	1	824	CLA	C1A-C2A-CAA-CBA
14	1	830	CLA	C1A-C2A-CAA-CBA
14	2	3007	CLA	C1A-C2A-CAA-CBA
14	2	3019	CLA	C1A-C2A-CAA-CBA
14	2	3026	CLA	C1A-C2A-CAA-CBA
14	2	3033	CLA	C1A-C2A-CAA-CBA
14	2	3038	CLA	C1A-C2A-CAA-CBA
14	A	807	CLA	C16-C17-C18-C19
14	A	807	CLA	C16-C17-C18-C20
14	A	824	CLA	C16-C17-C18-C19
14	B	3017	CLA	C16-C17-C18-C19
14	a	806	CLA	C16-C17-C18-C19
14	a	806	CLA	C16-C17-C18-C20
14	a	823	CLA	C16-C17-C18-C19
14	b	3017	CLA	C16-C17-C18-C19
14	1	807	CLA	C16-C17-C18-C19
14	1	807	CLA	C16-C17-C18-C20
14	1	824	CLA	C16-C17-C18-C19
14	2	3017	CLA	C16-C17-C18-C19
17	a	852	LHG	C13-C14-C15-C16
17	1	852	LHG	C13-C14-C15-C16
14	a	830	CLA	C5-C6-C7-C8
14	1	831	CLA	C5-C6-C7-C8
17	A	853	LHG	C13-C14-C15-C16
14	A	834	CLA	O1D-CGD-O2D-CED
14	1	834	CLA	O1D-CGD-O2D-CED
14	A	831	CLA	C5-C6-C7-C8
14	a	833	CLA	O1D-CGD-O2D-CED
20	B	3050	LMG	C22-C23-C24-C25
20	b	3050	LMG	C22-C23-C24-C25
20	2	3050	LMG	C22-C23-C24-C25
14	A	838	CLA	C16-C17-C18-C19
14	a	837	CLA	C16-C17-C18-C19
14	1	838	CLA	C16-C17-C18-C19
14	B	3026	CLA	C8-C10-C11-C12
14	b	3026	CLA	C8-C10-C11-C12
14	2	3026	CLA	C8-C10-C11-C12
14	A	838	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	a	837	CLA	C4C-C3C-CAC-CBC
17	A	853	LHG	C30-C31-C32-C33
17	a	852	LHG	C30-C31-C32-C33
17	a	853	LHG	C31-C32-C33-C34
17	1	852	LHG	C30-C31-C32-C33
17	1	853	LHG	C31-C32-C33-C34
14	1	838	CLA	C4C-C3C-CAC-CBC
17	A	854	LHG	C31-C32-C33-C34
14	B	3015	CLA	C5-C6-C7-C8
14	b	3015	CLA	C5-C6-C7-C8
14	2	3015	CLA	C5-C6-C7-C8
17	L	208	LHG	C14-C15-C16-C17
17	l	202	LHG	C14-C15-C16-C17
17	0	202	LHG	C14-C15-C16-C17
14	A	840	CLA	O1A-CGA-O2A-C1
14	B	3023	CLA	O1A-CGA-O2A-C1
14	a	839	CLA	O1A-CGA-O2A-C1
14	b	3023	CLA	O1A-CGA-O2A-C1
14	1	840	CLA	O1A-CGA-O2A-C1
14	2	3023	CLA	O1A-CGA-O2A-C1
14	L	204	CLA	C2A-CAA-CBA-CGA
14	l	207	CLA	C2A-CAA-CBA-CGA
14	0	208	CLA	C2A-CAA-CBA-CGA
14	A	835	CLA	C16-C17-C18-C20
14	B	3023	CLA	C6-C7-C8-C10
14	a	834	CLA	C16-C17-C18-C20
14	b	3023	CLA	C6-C7-C8-C10
14	1	835	CLA	C16-C17-C18-C20
14	2	3023	CLA	C6-C7-C8-C10
17	L	207	LHG	C4-C5-C6-O8
17	l	201	LHG	C4-C5-C6-O8
17	0	201	LHG	C4-C5-C6-O8
14	A	817	CLA	C8-C10-C11-C12
14	a	816	CLA	C8-C10-C11-C12
14	1	817	CLA	C8-C10-C11-C12
14	k	102	CLA	C2C-C3C-CAC-CBC
14	9	103	CLA	C2C-C3C-CAC-CBC
17	A	853	LHG	O1-C1-C2-O2
17	L	207	LHG	O1-C1-C2-O2
17	a	852	LHG	O1-C1-C2-O2
17	l	201	LHG	O1-C1-C2-O2
17	1	852	LHG	O1-C1-C2-O2

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Mol	Chain	Res	Type	Atoms
17	0	201	LHG	O1-C1-C2-O2
14	A	828	CLA	C15-C16-C17-C18
14	a	827	CLA	C15-C16-C17-C18
14	1	828	CLA	C15-C16-C17-C18
14	K	102	CLA	C2C-C3C-CAC-CBC
17	A	854	LHG	C27-C28-C29-C30
17	a	853	LHG	C27-C28-C29-C30
17	1	853	LHG	C27-C28-C29-C30
16	I	102	BCR	C35-C13-C14-C15
16	J	104	BCR	C11-C10-C9-C34
16	j	1105	BCR	C11-C10-C9-C34
16	l	209	BCR	C35-C13-C14-C15
16	8	104	BCR	C11-C10-C9-C34
16	0	210	BCR	C35-C13-C14-C15
14	A	820	CLA	C4-C3-C5-C6
14	A	830	CLA	C4-C3-C5-C6
14	a	819	CLA	C4-C3-C5-C6
14	a	829	CLA	C4-C3-C5-C6
14	1	820	CLA	C4-C3-C5-C6
14	1	830	CLA	C4-C3-C5-C6
17	L	208	LHG	C19-C20-C21-C22
17	l	202	LHG	C19-C20-C21-C22
14	B	3028	CLA	C10-C11-C12-C13
14	b	3028	CLA	C10-C11-C12-C13
14	2	3028	CLA	C10-C11-C12-C13
14	A	819	CLA	C2-C1-O2A-CGA
14	B	3021	CLA	C2-C1-O2A-CGA
14	B	3025	CLA	C2-C1-O2A-CGA
14	a	818	CLA	C2-C1-O2A-CGA
14	b	3021	CLA	C2-C1-O2A-CGA
14	b	3025	CLA	C2-C1-O2A-CGA
14	1	819	CLA	C2-C1-O2A-CGA
14	2	3021	CLA	C2-C1-O2A-CGA
14	2	3025	CLA	C2-C1-O2A-CGA
17	0	202	LHG	C19-C20-C21-C22
14	A	802	CLA	O1D-CGD-O2D-CED
14	a	802	CLA	O1D-CGD-O2D-CED
14	1	802	CLA	O1D-CGD-O2D-CED
17	L	208	LHG	C25-C26-C27-C28
17	l	202	LHG	C25-C26-C27-C28
17	0	202	LHG	C25-C26-C27-C28
14	A	831	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a	830	CLA	CBA-CGA-O2A-C1
14	1	805	CLA	CBA-CGA-O2A-C1
14	1	831	CLA	CBA-CGA-O2A-C1
14	B	3006	CLA	C13-C15-C16-C17
14	b	3006	CLA	C13-C15-C16-C17
14	2	3006	CLA	C13-C15-C16-C17
14	A	826	CLA	O1D-CGD-O2D-CED
14	a	825	CLA	O1D-CGD-O2D-CED
14	1	826	CLA	O1D-CGD-O2D-CED
16	A	848	BCR	C12-C13-C14-C15
16	B	3047	BCR	C11-C10-C9-C8
16	J	103	BCR	C12-C13-C14-C15
16	a	847	BCR	C12-C13-C14-C15
16	b	3047	BCR	C11-C10-C9-C8
16	j	1104	BCR	C12-C13-C14-C15
16	1	847	BCR	C12-C13-C14-C15
16	2	3047	BCR	C11-C10-C9-C8
16	8	103	BCR	C12-C13-C14-C15
14	A	829	CLA	C5-C6-C7-C8
14	a	828	CLA	C5-C6-C7-C8
14	1	829	CLA	C5-C6-C7-C8
14	A	835	CLA	C16-C17-C18-C19
14	A	839	CLA	C16-C17-C18-C19
14	a	834	CLA	C16-C17-C18-C19
14	a	838	CLA	C16-C17-C18-C19
14	1	835	CLA	C16-C17-C18-C19
14	1	839	CLA	C16-C17-C18-C19
17	L	207	LHG	C9-C10-C11-C12
17	l	201	LHG	C9-C10-C11-C12
14	A	822	CLA	C4-C3-C5-C6
14	B	3038	CLA	C4-C3-C5-C6
14	a	821	CLA	C4-C3-C5-C6
14	b	3038	CLA	C4-C3-C5-C6
14	1	822	CLA	C4-C3-C5-C6
14	2	3038	CLA	C4-C3-C5-C6
17	0	201	LHG	C9-C10-C11-C12
13	A	801	CL0	C11-C12-C13-C15
13	A	801	CL0	C12-C13-C15-C16
13	a	801	CL0	C11-C12-C13-C15
13	a	801	CL0	C12-C13-C15-C16
13	1	801	CL0	C11-C12-C13-C15
13	1	801	CL0	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	A	806	CLA	C11-C12-C13-C15
14	A	807	CLA	C11-C12-C13-C15
14	A	810	CLA	C11-C12-C13-C15
14	A	814	CLA	C11-C10-C8-C7
14	A	816	CLA	C11-C12-C13-C15
14	A	818	CLA	C12-C13-C15-C16
14	A	827	CLA	C12-C13-C15-C16
14	A	828	CLA	C6-C7-C8-C10
14	A	833	CLA	C6-C7-C8-C10
14	A	839	CLA	C12-C13-C15-C16
14	A	843	CLA	C12-C13-C15-C16
14	B	3005	CLA	C11-C10-C8-C7
14	B	3009	CLA	C11-C12-C13-C15
14	B	3010	CLA	C11-C10-C8-C7
14	B	3020	CLA	C11-C12-C13-C15
14	B	3035	CLA	C12-C13-C15-C16
14	B	3041	CLA	C11-C12-C13-C15
14	L	201	CLA	C6-C7-C8-C10
14	L	203	CLA	C11-C10-C8-C7
14	a	805	CLA	C11-C12-C13-C15
14	a	806	CLA	C11-C12-C13-C15
14	a	809	CLA	C11-C12-C13-C15
14	a	813	CLA	C11-C10-C8-C7
14	a	815	CLA	C11-C12-C13-C15
14	a	817	CLA	C12-C13-C15-C16
14	a	826	CLA	C12-C13-C15-C16
14	a	827	CLA	C6-C7-C8-C10
14	a	829	CLA	C12-C13-C15-C16
14	a	832	CLA	C6-C7-C8-C10
14	a	838	CLA	C12-C13-C15-C16
14	a	842	CLA	C12-C13-C15-C16
14	b	3005	CLA	C11-C10-C8-C7
14	b	3009	CLA	C11-C12-C13-C15
14	b	3010	CLA	C11-C10-C8-C7
14	b	3020	CLA	C11-C12-C13-C15
14	b	3035	CLA	C12-C13-C15-C16
14	b	3041	CLA	C11-C12-C13-C15
14	l	203	CLA	C6-C7-C8-C10
14	l	206	CLA	C11-C10-C8-C7
14	1	806	CLA	C11-C12-C13-C15
14	1	807	CLA	C11-C12-C13-C15
14	1	810	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	1	814	CLA	C11-C10-C8-C7
14	1	816	CLA	C11-C12-C13-C15
14	1	818	CLA	C12-C13-C15-C16
14	1	827	CLA	C12-C13-C15-C16
14	1	828	CLA	C6-C7-C8-C10
14	1	830	CLA	C12-C13-C15-C16
14	1	833	CLA	C6-C7-C8-C10
14	1	839	CLA	C12-C13-C15-C16
14	1	843	CLA	C12-C13-C15-C16
14	2	3005	CLA	C11-C10-C8-C7
14	2	3006	CLA	C6-C7-C8-C10
14	2	3009	CLA	C11-C12-C13-C15
14	2	3010	CLA	C11-C10-C8-C7
14	2	3020	CLA	C11-C12-C13-C15
14	2	3035	CLA	C12-C13-C15-C16
14	2	3041	CLA	C11-C12-C13-C15
14	0	204	CLA	C6-C7-C8-C10
14	0	207	CLA	C11-C10-C8-C7
14	B	3021	CLA	C3-C5-C6-C7
14	b	3021	CLA	C3-C5-C6-C7
14	2	3021	CLA	C3-C5-C6-C7
14	A	807	CLA	C11-C12-C13-C14
14	A	810	CLA	C11-C12-C13-C14
14	A	816	CLA	C11-C10-C8-C9
14	A	816	CLA	C11-C12-C13-C14
14	A	818	CLA	C14-C13-C15-C16
14	A	827	CLA	C11-C10-C8-C9
14	A	827	CLA	C14-C13-C15-C16
14	A	833	CLA	C6-C7-C8-C9
14	A	843	CLA	C14-C13-C15-C16
14	B	3003	CLA	C11-C12-C13-C14
14	B	3004	CLA	C14-C13-C15-C16
14	B	3015	CLA	C6-C7-C8-C9
14	B	3015	CLA	C11-C12-C13-C14
14	B	3025	CLA	C11-C12-C13-C14
14	B	3027	CLA	C6-C7-C8-C9
14	B	3027	CLA	C14-C13-C15-C16
14	B	3033	CLA	C14-C13-C15-C16
14	B	3041	CLA	C11-C12-C13-C14
14	L	201	CLA	C6-C7-C8-C9
14	L	204	CLA	C14-C13-C15-C16
14	a	806	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	a	809	CLA	C11-C12-C13-C14
14	a	815	CLA	C11-C10-C8-C9
14	a	815	CLA	C11-C12-C13-C14
14	a	817	CLA	C14-C13-C15-C16
14	a	826	CLA	C11-C10-C8-C9
14	a	826	CLA	C14-C13-C15-C16
14	a	832	CLA	C6-C7-C8-C9
14	a	842	CLA	C14-C13-C15-C16
14	b	3003	CLA	C11-C12-C13-C14
14	b	3004	CLA	C14-C13-C15-C16
14	b	3015	CLA	C6-C7-C8-C9
14	b	3015	CLA	C11-C12-C13-C14
14	b	3025	CLA	C11-C12-C13-C14
14	b	3027	CLA	C6-C7-C8-C9
14	b	3027	CLA	C14-C13-C15-C16
14	b	3033	CLA	C14-C13-C15-C16
14	b	3041	CLA	C11-C12-C13-C14
14	l	203	CLA	C6-C7-C8-C9
14	l	207	CLA	C14-C13-C15-C16
14	1	807	CLA	C11-C12-C13-C14
14	1	810	CLA	C11-C12-C13-C14
14	1	816	CLA	C11-C10-C8-C9
14	1	816	CLA	C11-C12-C13-C14
14	1	818	CLA	C14-C13-C15-C16
14	1	827	CLA	C11-C10-C8-C9
14	1	827	CLA	C14-C13-C15-C16
14	1	833	CLA	C6-C7-C8-C9
14	1	843	CLA	C14-C13-C15-C16
14	2	3003	CLA	C11-C12-C13-C14
14	2	3004	CLA	C14-C13-C15-C16
14	2	3015	CLA	C6-C7-C8-C9
14	2	3015	CLA	C11-C12-C13-C14
14	2	3025	CLA	C11-C12-C13-C14
14	2	3027	CLA	C6-C7-C8-C9
14	2	3027	CLA	C14-C13-C15-C16
14	2	3033	CLA	C14-C13-C15-C16
14	2	3041	CLA	C11-C12-C13-C14
14	0	204	CLA	C6-C7-C8-C9
14	0	208	CLA	C14-C13-C15-C16
20	B	3050	LMG	C11-C12-C13-C14
20	b	3050	LMG	C11-C12-C13-C14
20	2	3050	LMG	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	A	805	CLA	CBA-CGA-O2A-C1
14	a	804	CLA	CBA-CGA-O2A-C1
14	B	3029	CLA	C2A-CAA-CBA-CGA
14	b	3029	CLA	C2A-CAA-CBA-CGA
14	2	3029	CLA	C2A-CAA-CBA-CGA
14	B	3012	CLA	C16-C17-C18-C20
14	b	3012	CLA	C16-C17-C18-C20
14	2	3012	CLA	C16-C17-C18-C20
17	l	201	LHG	C14-C15-C16-C17
17	0	201	LHG	C14-C15-C16-C17
16	B	3053	BCR	C7-C8-C9-C10
16	j	1106	BCR	C7-C8-C9-C10
16	2	3052	BCR	C7-C8-C9-C10
17	L	207	LHG	C14-C15-C16-C17
20	b	3050	LMG	C38-C39-C40-C41
20	2	3050	LMG	C38-C39-C40-C41
14	A	804	CLA	CBA-CGA-O2A-C1
14	A	807	CLA	CBA-CGA-O2A-C1
14	K	102	CLA	CBA-CGA-O2A-C1
14	a	806	CLA	CBA-CGA-O2A-C1
14	j	1101	CLA	CBA-CGA-O2A-C1
14	k	102	CLA	CBA-CGA-O2A-C1
14	l	804	CLA	CBA-CGA-O2A-C1
14	l	807	CLA	CBA-CGA-O2A-C1
14	9	103	CLA	CBA-CGA-O2A-C1
20	B	3050	LMG	C38-C39-C40-C41
16	B	3049	BCR	C22-C23-C24-C25
16	b	3049	BCR	C22-C23-C24-C25
16	2	3049	BCR	C22-C23-C24-C25
14	1	817	CLA	C10-C11-C12-C13
17	2	3051	LHG	O6-C4-C5-C6
14	A	817	CLA	C10-C11-C12-C13
14	A	840	CLA	C10-C11-C12-C13
14	a	816	CLA	C10-C11-C12-C13
14	a	839	CLA	C10-C11-C12-C13
14	l	840	CLA	C10-C11-C12-C13
14	B	3010	CLA	C4-C3-C5-C6
14	L	205	CLA	C4-C3-C5-C6
14	b	3010	CLA	C4-C3-C5-C6
14	l	208	CLA	C4-C3-C5-C6
14	2	3010	CLA	C4-C3-C5-C6
14	0	209	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	822	CLA	C2-C3-C5-C6
14	A	830	CLA	C2-C3-C5-C6
14	B	3010	CLA	C2-C3-C5-C6
14	B	3038	CLA	C2-C3-C5-C6
14	L	205	CLA	C2-C3-C5-C6
14	a	821	CLA	C2-C3-C5-C6
14	a	829	CLA	C2-C3-C5-C6
14	b	3010	CLA	C2-C3-C5-C6
14	b	3038	CLA	C2-C3-C5-C6
14	l	208	CLA	C2-C3-C5-C6
14	1	822	CLA	C2-C3-C5-C6
14	1	830	CLA	C2-C3-C5-C6
14	2	3010	CLA	C2-C3-C5-C6
14	2	3038	CLA	C2-C3-C5-C6
14	0	209	CLA	C2-C3-C5-C6
14	b	3038	CLA	C10-C11-C12-C13
17	L	208	LHG	O9-C7-O7-C5
17	l	202	LHG	O9-C7-O7-C5
17	0	202	LHG	O9-C7-O7-C5
14	L	201	CLA	C16-C17-C18-C20
14	l	203	CLA	C16-C17-C18-C20
14	B	3038	CLA	C10-C11-C12-C13
14	2	3038	CLA	C10-C11-C12-C13
14	A	808	CLA	CBA-CGA-O2A-C1
14	A	815	CLA	CBA-CGA-O2A-C1
14	A	819	CLA	CBA-CGA-O2A-C1
14	B	3039	CLA	CBA-CGA-O2A-C1
14	a	807	CLA	CBA-CGA-O2A-C1
14	a	818	CLA	CBA-CGA-O2A-C1
14	b	3033	CLA	CBA-CGA-O2A-C1
14	b	3039	CLA	CBA-CGA-O2A-C1
14	1	808	CLA	CBA-CGA-O2A-C1
14	1	815	CLA	CBA-CGA-O2A-C1
14	1	819	CLA	CBA-CGA-O2A-C1
14	2	3033	CLA	CBA-CGA-O2A-C1
14	2	3039	CLA	CBA-CGA-O2A-C1
17	L	208	LHG	C5-C4-O6-P
17	l	202	LHG	C5-C4-O6-P
17	0	202	LHG	C5-C4-O6-P
14	A	814	CLA	C3A-C2A-CAA-CBA
14	B	3026	CLA	C3A-C2A-CAA-CBA
14	K	101	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	a	813	CLA	C3A-C2A-CAA-CBA
14	b	3026	CLA	C3A-C2A-CAA-CBA
14	k	101	CLA	C3A-C2A-CAA-CBA
14	1	814	CLA	C3A-C2A-CAA-CBA
14	2	3026	CLA	C3A-C2A-CAA-CBA
14	9	101	CLA	C3A-C2A-CAA-CBA
16	B	3053	BCR	C19-C20-C21-C22
16	j	1106	BCR	C19-C20-C21-C22
16	2	3052	BCR	C19-C20-C21-C22
14	0	204	CLA	C16-C17-C18-C20
14	A	814	CLA	CBA-CGA-O2A-C1
14	A	827	CLA	CBA-CGA-O2A-C1
14	A	843	CLA	CBA-CGA-O2A-C1
14	B	3033	CLA	CBA-CGA-O2A-C1
14	a	813	CLA	CBA-CGA-O2A-C1
14	a	814	CLA	CBA-CGA-O2A-C1
14	a	826	CLA	CBA-CGA-O2A-C1
14	a	842	CLA	CBA-CGA-O2A-C1
14	1	814	CLA	CBA-CGA-O2A-C1
14	1	827	CLA	CBA-CGA-O2A-C1
14	1	843	CLA	CBA-CGA-O2A-C1
14	j	1101	CLA	C8-C10-C11-C12
14	1	804	CLA	C8-C10-C11-C12
14	B	3019	CLA	O2A-C1-C2-C3
14	b	3019	CLA	O2A-C1-C2-C3
14	2	3019	CLA	O2A-C1-C2-C3
14	A	804	CLA	C8-C10-C11-C12
14	L	201	CLA	C16-C17-C18-C19
14	l	203	CLA	C16-C17-C18-C19
14	0	204	CLA	C16-C17-C18-C19
14	A	820	CLA	C2-C3-C5-C6
14	a	819	CLA	C2-C3-C5-C6
14	1	820	CLA	C2-C3-C5-C6
14	A	836	CLA	C15-C16-C17-C18
14	1	836	CLA	C15-C16-C17-C18
14	A	835	CLA	C2A-CAA-CBA-CGA
14	a	834	CLA	C2A-CAA-CBA-CGA
14	1	835	CLA	C2A-CAA-CBA-CGA
14	a	835	CLA	C15-C16-C17-C18
17	a	853	LHG	O9-C7-O7-C5
14	B	3028	CLA	CBA-CGA-O2A-C1
14	b	3028	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	A	805	CLA	O1A-CGA-O2A-C1
14	a	804	CLA	O1A-CGA-O2A-C1
14	1	805	CLA	O1A-CGA-O2A-C1
20	B	3050	LMG	O10-C28-O8-C9
20	b	3050	LMG	O10-C28-O8-C9
20	2	3050	LMG	O10-C28-O8-C9
14	B	3023	CLA	C6-C7-C8-C9
14	L	203	CLA	C16-C17-C18-C20
14	b	3023	CLA	C6-C7-C8-C9
14	l	206	CLA	C16-C17-C18-C20
14	2	3023	CLA	C6-C7-C8-C9
14	0	207	CLA	C16-C17-C18-C20
14	A	831	CLA	O1A-CGA-O2A-C1
14	a	830	CLA	O1A-CGA-O2A-C1
14	1	831	CLA	O1A-CGA-O2A-C1
14	2	3028	CLA	CBA-CGA-O2A-C1
14	1	835	CLA	C5-C6-C7-C8
17	l	202	LHG	C18-C19-C20-C21
17	L	208	LHG	C18-C19-C20-C21
17	0	202	LHG	C18-C19-C20-C21
14	A	828	CLA	C5-C6-C7-C8
14	A	835	CLA	C5-C6-C7-C8
14	a	827	CLA	C5-C6-C7-C8
14	a	834	CLA	C5-C6-C7-C8
14	1	828	CLA	C5-C6-C7-C8
17	A	854	LHG	O9-C7-O7-C5
17	1	853	LHG	O9-C7-O7-C5
14	A	802	CLA	C2-C1-O2A-CGA
14	B	3006	CLA	C2-C1-O2A-CGA
14	B	3029	CLA	C2-C1-O2A-CGA
14	B	3036	CLA	C2-C1-O2A-CGA
14	a	802	CLA	C2-C1-O2A-CGA
14	b	3006	CLA	C2-C1-O2A-CGA
14	b	3029	CLA	C2-C1-O2A-CGA
14	b	3036	CLA	C2-C1-O2A-CGA
14	1	802	CLA	C2-C1-O2A-CGA
14	2	3006	CLA	C2-C1-O2A-CGA
14	2	3029	CLA	C2-C1-O2A-CGA
14	2	3036	CLA	C2-C1-O2A-CGA
14	A	806	CLA	C11-C12-C13-C14
14	A	818	CLA	C11-C12-C13-C14
14	A	825	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A	835	CLA	C14-C13-C15-C16
14	a	805	CLA	C11-C12-C13-C14
14	a	817	CLA	C11-C12-C13-C14
14	a	824	CLA	C11-C10-C8-C9
14	a	834	CLA	C14-C13-C15-C16
14	1	806	CLA	C11-C12-C13-C14
14	1	818	CLA	C11-C12-C13-C14
14	1	825	CLA	C11-C10-C8-C9
14	1	835	CLA	C14-C13-C15-C16
17	l	202	LHG	C11-C12-C13-C14
17	L	208	LHG	C11-C12-C13-C14
17	0	202	LHG	C11-C12-C13-C14
14	B	3004	CLA	C13-C15-C16-C17
14	b	3004	CLA	C13-C15-C16-C17
15	A	845	PQN	C23-C25-C26-C27
15	a	844	PQN	C23-C25-C26-C27
15	1	845	PQN	C23-C25-C26-C27
14	A	842	CLA	C2A-CAA-CBA-CGA
14	a	841	CLA	C2A-CAA-CBA-CGA
14	1	842	CLA	C2A-CAA-CBA-CGA
14	A	843	CLA	C16-C17-C18-C20
14	B	3020	CLA	C16-C17-C18-C20
14	a	842	CLA	C16-C17-C18-C20
14	b	3020	CLA	C16-C17-C18-C20
14	1	843	CLA	C16-C17-C18-C20
14	2	3020	CLA	C16-C17-C18-C20
16	A	847	BCR	C1-C6-C7-C8
16	A	847	BCR	C5-C6-C7-C8
16	A	847	BCR	C23-C24-C25-C26
16	A	847	BCR	C23-C24-C25-C30
16	A	848	BCR	C5-C6-C7-C8
16	A	850	BCR	C1-C6-C7-C8
16	A	850	BCR	C5-C6-C7-C8
16	B	3052	BCR	C23-C24-C25-C26
16	B	3052	BCR	C23-C24-C25-C30
16	a	846	BCR	C1-C6-C7-C8
16	a	846	BCR	C5-C6-C7-C8
16	a	846	BCR	C23-C24-C25-C26
16	a	846	BCR	C23-C24-C25-C30
16	a	847	BCR	C5-C6-C7-C8
16	a	849	BCR	C1-C6-C7-C8
16	a	849	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	1	204	BCR	C23-C24-C25-C26
16	1	204	BCR	C23-C24-C25-C30
16	1	846	BCR	C1-C6-C7-C8
16	1	846	BCR	C5-C6-C7-C8
16	1	846	BCR	C23-C24-C25-C26
16	1	846	BCR	C23-C24-C25-C30
16	1	847	BCR	C5-C6-C7-C8
16	1	849	BCR	C1-C6-C7-C8
16	1	849	BCR	C5-C6-C7-C8
16	0	205	BCR	C23-C24-C25-C26
16	0	205	BCR	C23-C24-C25-C30
14	A	836	CLA	C5-C6-C7-C8
14	1	836	CLA	C5-C6-C7-C8
14	2	3004	CLA	C13-C15-C16-C17
14	2	3012	CLA	C5-C6-C7-C8
14	a	806	CLA	O1A-CGA-O2A-C1
14	1	807	CLA	O1A-CGA-O2A-C1
14	2	3038	CLA	CBA-CGA-O2A-C1
16	A	848	BCR	C11-C12-C13-C14
16	A	851	BCR	C7-C8-C9-C10
16	A	852	BCR	C16-C17-C18-C19
16	I	101	BCR	C7-C8-C9-C10
16	M	1602	BCR	C7-C8-C9-C10
16	a	847	BCR	C11-C12-C13-C14
16	a	850	BCR	C7-C8-C9-C10
16	a	851	BCR	C16-C17-C18-C19
16	i	101	BCR	C7-C8-C9-C10
16	m	101	BCR	C7-C8-C9-C10
16	1	847	BCR	C11-C12-C13-C14
16	1	850	BCR	C7-C8-C9-C10
16	1	851	BCR	C16-C17-C18-C19
16	7	101	BCR	C7-C8-C9-C10
16	y	101	BCR	C7-C8-C9-C10
14	a	835	CLA	C5-C6-C7-C8
14	B	3012	CLA	C5-C6-C7-C8
14	b	3012	CLA	C5-C6-C7-C8
14	B	3012	CLA	C16-C17-C18-C19
14	b	3012	CLA	C16-C17-C18-C19
14	2	3012	CLA	C16-C17-C18-C19
14	A	805	CLA	C4C-C3C-CAC-CBC
14	a	804	CLA	C4C-C3C-CAC-CBC
14	1	805	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	A	807	CLA	O1A-CGA-O2A-C1
17	B	3051	LHG	O6-C4-C5-C6
17	b	3051	LHG	O6-C4-C5-C6
14	A	802	CLA	C12-C13-C15-C16
14	A	803	CLA	C6-C7-C8-C10
14	A	807	CLA	C11-C10-C8-C7
14	A	816	CLA	C11-C10-C8-C7
14	A	818	CLA	C11-C12-C13-C15
14	A	824	CLA	C11-C10-C8-C7
14	A	824	CLA	C12-C13-C15-C16
14	A	825	CLA	C11-C10-C8-C7
14	A	826	CLA	C11-C10-C8-C7
14	A	826	CLA	C12-C13-C15-C16
14	A	827	CLA	C11-C10-C8-C7
14	A	831	CLA	C11-C10-C8-C7
14	A	834	CLA	C6-C7-C8-C10
14	A	834	CLA	C12-C13-C15-C16
14	A	838	CLA	C11-C10-C8-C7
14	B	3004	CLA	C12-C13-C15-C16
14	B	3005	CLA	C6-C7-C8-C10
14	B	3015	CLA	C6-C7-C8-C10
14	B	3015	CLA	C11-C12-C13-C15
14	B	3020	CLA	C12-C13-C15-C16
14	B	3027	CLA	C6-C7-C8-C10
14	B	3028	CLA	C12-C13-C15-C16
14	B	3033	CLA	C12-C13-C15-C16
14	B	3039	CLA	C11-C10-C8-C7
14	L	204	CLA	C12-C13-C15-C16
14	L	205	CLA	C6-C7-C8-C10
14	a	802	CLA	C12-C13-C15-C16
14	a	803	CLA	C6-C7-C8-C10
14	a	806	CLA	C11-C10-C8-C7
14	a	814	CLA	C12-C13-C15-C16
14	a	815	CLA	C11-C10-C8-C7
14	a	817	CLA	C11-C12-C13-C15
14	a	823	CLA	C11-C10-C8-C7
14	a	823	CLA	C12-C13-C15-C16
14	a	824	CLA	C11-C10-C8-C7
14	a	825	CLA	C11-C10-C8-C7
14	a	825	CLA	C12-C13-C15-C16
14	a	826	CLA	C11-C10-C8-C7
14	a	830	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	a	833	CLA	C6-C7-C8-C10
14	a	833	CLA	C12-C13-C15-C16
14	a	837	CLA	C11-C10-C8-C7
14	b	3004	CLA	C12-C13-C15-C16
14	b	3005	CLA	C6-C7-C8-C10
14	b	3015	CLA	C6-C7-C8-C10
14	b	3015	CLA	C11-C12-C13-C15
14	b	3020	CLA	C12-C13-C15-C16
14	b	3027	CLA	C6-C7-C8-C10
14	b	3028	CLA	C12-C13-C15-C16
14	b	3033	CLA	C12-C13-C15-C16
14	b	3039	CLA	C11-C10-C8-C7
14	l	207	CLA	C12-C13-C15-C16
14	l	208	CLA	C6-C7-C8-C10
14	1	802	CLA	C12-C13-C15-C16
14	1	803	CLA	C6-C7-C8-C10
14	1	807	CLA	C11-C10-C8-C7
14	1	815	CLA	C12-C13-C15-C16
14	1	816	CLA	C11-C10-C8-C7
14	1	818	CLA	C11-C12-C13-C15
14	1	824	CLA	C11-C10-C8-C7
14	1	824	CLA	C12-C13-C15-C16
14	1	825	CLA	C11-C10-C8-C7
14	1	826	CLA	C11-C10-C8-C7
14	1	827	CLA	C11-C10-C8-C7
14	1	831	CLA	C11-C10-C8-C7
14	1	834	CLA	C6-C7-C8-C10
14	1	834	CLA	C12-C13-C15-C16
14	1	838	CLA	C11-C10-C8-C7
14	2	3004	CLA	C12-C13-C15-C16
14	2	3005	CLA	C6-C7-C8-C10
14	2	3015	CLA	C6-C7-C8-C10
14	2	3015	CLA	C11-C12-C13-C15
14	2	3020	CLA	C12-C13-C15-C16
14	2	3027	CLA	C6-C7-C8-C10
14	2	3028	CLA	C12-C13-C15-C16
14	2	3033	CLA	C12-C13-C15-C16
14	2	3042	CLA	C6-C7-C8-C10
14	0	208	CLA	C12-C13-C15-C16
14	0	209	CLA	C6-C7-C8-C10
14	A	814	CLA	O1D-CGD-O2D-CED
14	K	102	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	2	3051	LHG	C14-C15-C16-C17
14	A	810	CLA	C8-C10-C11-C12
14	a	809	CLA	C8-C10-C11-C12
14	1	810	CLA	C8-C10-C11-C12
16	B	3052	BCR	C13-C14-C15-C16
16	J	104	BCR	C19-C20-C21-C22
16	j	1105	BCR	C19-C20-C21-C22
16	l	204	BCR	C13-C14-C15-C16
16	8	104	BCR	C19-C20-C21-C22
16	0	205	BCR	C13-C14-C15-C16
14	B	3009	CLA	CBD-CGD-O2D-CED
14	2	3009	CLA	CBD-CGD-O2D-CED
14	A	809	CLA	C16-C17-C18-C19
14	a	808	CLA	C16-C17-C18-C19
14	1	809	CLA	C16-C17-C18-C19
17	B	3051	LHG	C14-C15-C16-C17
17	b	3051	LHG	C14-C15-C16-C17
20	B	3050	LMG	C30-C31-C32-C33
20	b	3050	LMG	C30-C31-C32-C33
14	B	3038	CLA	CBA-CGA-O2A-C1
14	b	3038	CLA	CBA-CGA-O2A-C1
20	b	3050	LMG	C17-C18-C19-C20
20	2	3050	LMG	C17-C18-C19-C20
20	2	3050	LMG	C30-C31-C32-C33
14	1	814	CLA	O1D-CGD-O2D-CED
14	a	808	CLA	C8-C10-C11-C12
14	1	809	CLA	C8-C10-C11-C12
14	k	102	CLA	O1A-CGA-O2A-C1
14	9	103	CLA	O1A-CGA-O2A-C1
14	A	810	CLA	C2A-CAA-CBA-CGA
14	a	809	CLA	C2A-CAA-CBA-CGA
14	1	810	CLA	C2A-CAA-CBA-CGA
20	B	3050	LMG	C17-C18-C19-C20
14	A	809	CLA	C8-C10-C11-C12
16	A	847	BCR	C11-C10-C9-C34
16	A	849	BCR	C16-C17-C18-C36
16	A	850	BCR	C35-C13-C14-C15
16	B	3045	BCR	C20-C21-C22-C37
16	B	3048	BCR	C35-C13-C14-C15
16	B	3052	BCR	C35-C13-C14-C15
16	B	3053	BCR	C11-C10-C9-C34
16	F	202	BCR	C35-C13-C14-C15

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
16	F	205	BCR	C16-C17-C18-C36
16	M	1602	BCR	C11-C10-C9-C34
16	a	846	BCR	C11-C10-C9-C34
16	a	848	BCR	C16-C17-C18-C36
16	a	849	BCR	C35-C13-C14-C15
16	b	3045	BCR	C20-C21-C22-C37
16	b	3048	BCR	C35-C13-C14-C15
16	f	202	BCR	C35-C13-C14-C15
16	f	205	BCR	C16-C17-C18-C36
16	j	1106	BCR	C11-C10-C9-C34
16	l	204	BCR	C35-C13-C14-C15
16	m	101	BCR	C11-C10-C9-C34
16	1	846	BCR	C11-C10-C9-C34
16	1	848	BCR	C16-C17-C18-C36
16	1	849	BCR	C35-C13-C14-C15
16	2	3045	BCR	C20-C21-C22-C37
16	2	3048	BCR	C35-C13-C14-C15
16	2	3052	BCR	C11-C10-C9-C34
16	6	202	BCR	C35-C13-C14-C15
16	6	205	BCR	C16-C17-C18-C36
16	0	205	BCR	C35-C13-C14-C15
14	a	813	CLA	O1D-CGD-O2D-CED
14	b	3009	CLA	CBD-CGD-O2D-CED
14	B	3029	CLA	C10-C11-C12-C13
14	b	3029	CLA	C10-C11-C12-C13
14	2	3029	CLA	C10-C11-C12-C13
14	B	3014	CLA	CBA-CGA-O2A-C1
14	B	3020	CLA	CBA-CGA-O2A-C1
14	b	3014	CLA	CBA-CGA-O2A-C1
14	b	3020	CLA	CBA-CGA-O2A-C1
14	2	3020	CLA	CBA-CGA-O2A-C1
17	L	207	LHG	C26-C27-C28-C29
17	0	201	LHG	C26-C27-C28-C29
14	B	3042	CLA	C8-C10-C11-C12
14	b	3042	CLA	C8-C10-C11-C12
14	2	3042	CLA	C8-C10-C11-C12
17	l	201	LHG	C26-C27-C28-C29
14	A	823	CLA	CAD-CBD-CGD-O2D
14	B	3003	CLA	CAD-CBD-CGD-O2D
14	B	3028	CLA	CAD-CBD-CGD-O2D
14	B	3033	CLA	CAD-CBD-CGD-O2D
14	L	201	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	a	822	CLA	CAD-CBD-CGD-O2D
14	b	3003	CLA	CAD-CBD-CGD-O2D
14	b	3028	CLA	CAD-CBD-CGD-O2D
14	b	3033	CLA	CAD-CBD-CGD-O2D
14	l	203	CLA	CAD-CBD-CGD-O2D
14	1	823	CLA	CAD-CBD-CGD-O2D
14	2	3003	CLA	CAD-CBD-CGD-O2D
14	2	3028	CLA	CAD-CBD-CGD-O2D
14	2	3033	CLA	CAD-CBD-CGD-O2D
14	0	204	CLA	CAD-CBD-CGD-O2D
14	A	824	CLA	C13-C15-C16-C17
14	a	823	CLA	C13-C15-C16-C17
14	1	824	CLA	C13-C15-C16-C17
16	A	846	BCR	C22-C23-C24-C25
16	A	849	BCR	C22-C23-C24-C25
16	A	852	BCR	C6-C7-C8-C9
16	B	3053	BCR	C22-C23-C24-C25
16	F	205	BCR	C6-C7-C8-C9
16	a	845	BCR	C22-C23-C24-C25
16	a	848	BCR	C22-C23-C24-C25
16	a	851	BCR	C6-C7-C8-C9
16	f	205	BCR	C6-C7-C8-C9
16	j	1106	BCR	C22-C23-C24-C25
16	1	848	BCR	C22-C23-C24-C25
16	1	851	BCR	C6-C7-C8-C9
16	2	3052	BCR	C22-C23-C24-C25
16	6	205	BCR	C6-C7-C8-C9
16	9	102	BCR	C22-C23-C24-C25
14	B	3003	CLA	CBA-CGA-O2A-C1
14	b	3003	CLA	CBA-CGA-O2A-C1
14	2	3003	CLA	CBA-CGA-O2A-C1
14	2	3014	CLA	CBA-CGA-O2A-C1
14	A	830	CLA	C16-C17-C18-C20
14	a	829	CLA	C16-C17-C18-C20
14	1	830	CLA	C16-C17-C18-C20
14	L	203	CLA	C15-C16-C17-C18
14	a	812	CLA	C2C-C3C-CAC-CBC
14	A	819	CLA	O1A-CGA-O2A-C1
14	B	3028	CLA	O1A-CGA-O2A-C1
14	a	818	CLA	O1A-CGA-O2A-C1
14	b	3028	CLA	O1A-CGA-O2A-C1
14	1	819	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	2	3028	CLA	O1A-CGA-O2A-C1
20	b	3050	LMG	C24-C25-C26-C27
14	l	206	CLA	C15-C16-C17-C18
14	0	207	CLA	C15-C16-C17-C18
20	B	3050	LMG	C24-C25-C26-C27
20	2	3050	LMG	C24-C25-C26-C27
14	A	822	CLA	CBA-CGA-O2A-C1
14	a	821	CLA	CBA-CGA-O2A-C1
14	1	822	CLA	CBA-CGA-O2A-C1
16	B	3047	BCR	C14-C15-C16-C17
16	B	3053	BCR	C14-C15-C16-C17
16	b	3047	BCR	C14-C15-C16-C17
16	j	1106	BCR	C14-C15-C16-C17
16	2	3047	BCR	C14-C15-C16-C17
16	2	3052	BCR	C14-C15-C16-C17
14	a	826	CLA	O1A-CGA-O2A-C1
14	B	3020	CLA	C16-C17-C18-C19
14	2	3020	CLA	C16-C17-C18-C19
14	A	804	CLA	CHA-CBD-CGD-O1D
14	A	804	CLA	CHA-CBD-CGD-O2D
14	A	809	CLA	CHA-CBD-CGD-O1D
14	A	809	CLA	CHA-CBD-CGD-O2D
14	A	811	CLA	CHA-CBD-CGD-O1D
14	A	811	CLA	CHA-CBD-CGD-O2D
14	A	814	CLA	CHA-CBD-CGD-O2D
14	A	820	CLA	CHA-CBD-CGD-O1D
14	A	820	CLA	CHA-CBD-CGD-O2D
14	A	831	CLA	CHA-CBD-CGD-O1D
14	A	831	CLA	CHA-CBD-CGD-O2D
14	A	832	CLA	CHA-CBD-CGD-O1D
14	A	832	CLA	CHA-CBD-CGD-O2D
14	A	844	CLA	CHA-CBD-CGD-O1D
14	A	844	CLA	CHA-CBD-CGD-O2D
14	B	3005	CLA	CHA-CBD-CGD-O1D
14	B	3005	CLA	CHA-CBD-CGD-O2D
14	B	3010	CLA	CHA-CBD-CGD-O1D
14	B	3010	CLA	CHA-CBD-CGD-O2D
14	B	3014	CLA	CHA-CBD-CGD-O1D
14	B	3014	CLA	CHA-CBD-CGD-O2D
14	B	3034	CLA	CHA-CBD-CGD-O1D
14	B	3034	CLA	CHA-CBD-CGD-O2D
14	B	3038	CLA	CHA-CBD-CGD-O1D

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B	3039	CLA	CHA-CBD-CGD-O2D
14	a	808	CLA	CHA-CBD-CGD-O1D
14	a	808	CLA	CHA-CBD-CGD-O2D
14	a	810	CLA	CHA-CBD-CGD-O1D
14	a	810	CLA	CHA-CBD-CGD-O2D
14	a	813	CLA	CHA-CBD-CGD-O2D
14	a	819	CLA	CHA-CBD-CGD-O1D
14	a	819	CLA	CHA-CBD-CGD-O2D
14	a	830	CLA	CHA-CBD-CGD-O1D
14	a	830	CLA	CHA-CBD-CGD-O2D
14	a	831	CLA	CHA-CBD-CGD-O1D
14	a	831	CLA	CHA-CBD-CGD-O2D
14	a	843	CLA	CHA-CBD-CGD-O1D
14	a	843	CLA	CHA-CBD-CGD-O2D
14	b	3005	CLA	CHA-CBD-CGD-O1D
14	b	3005	CLA	CHA-CBD-CGD-O2D
14	b	3010	CLA	CHA-CBD-CGD-O1D
14	b	3010	CLA	CHA-CBD-CGD-O2D
14	b	3014	CLA	CHA-CBD-CGD-O1D
14	b	3014	CLA	CHA-CBD-CGD-O2D
14	b	3034	CLA	CHA-CBD-CGD-O1D
14	b	3034	CLA	CHA-CBD-CGD-O2D
14	b	3038	CLA	CHA-CBD-CGD-O1D
14	b	3039	CLA	CHA-CBD-CGD-O2D
14	j	1101	CLA	CHA-CBD-CGD-O1D
14	j	1101	CLA	CHA-CBD-CGD-O2D
14	1	804	CLA	CHA-CBD-CGD-O1D
14	1	804	CLA	CHA-CBD-CGD-O2D
14	1	809	CLA	CHA-CBD-CGD-O1D
14	1	809	CLA	CHA-CBD-CGD-O2D
14	1	811	CLA	CHA-CBD-CGD-O1D
14	1	811	CLA	CHA-CBD-CGD-O2D
14	1	814	CLA	CHA-CBD-CGD-O2D
14	1	820	CLA	CHA-CBD-CGD-O1D
14	1	820	CLA	CHA-CBD-CGD-O2D
14	1	831	CLA	CHA-CBD-CGD-O1D
14	1	831	CLA	CHA-CBD-CGD-O2D
14	1	832	CLA	CHA-CBD-CGD-O1D
14	1	832	CLA	CHA-CBD-CGD-O2D
14	1	844	CLA	CHA-CBD-CGD-O1D
14	1	844	CLA	CHA-CBD-CGD-O2D
14	2	3005	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	2	3005	CLA	CHA-CBD-CGD-O2D
14	2	3010	CLA	CHA-CBD-CGD-O1D
14	2	3010	CLA	CHA-CBD-CGD-O2D
14	2	3014	CLA	CHA-CBD-CGD-O1D
14	2	3014	CLA	CHA-CBD-CGD-O2D
14	2	3034	CLA	CHA-CBD-CGD-O1D
14	2	3034	CLA	CHA-CBD-CGD-O2D
14	2	3038	CLA	CHA-CBD-CGD-O1D
14	2	3039	CLA	CHA-CBD-CGD-O2D
14	1	813	CLA	C2C-C3C-CAC-CBC
14	A	815	CLA	O1A-CGA-O2A-C1
14	A	827	CLA	O1A-CGA-O2A-C1
14	A	843	CLA	O1A-CGA-O2A-C1
14	B	3033	CLA	O1A-CGA-O2A-C1
14	a	813	CLA	O1A-CGA-O2A-C1
14	a	814	CLA	O1A-CGA-O2A-C1
14	a	842	CLA	O1A-CGA-O2A-C1
14	b	3033	CLA	O1A-CGA-O2A-C1
14	1	814	CLA	O1A-CGA-O2A-C1
14	1	827	CLA	O1A-CGA-O2A-C1
14	1	843	CLA	O1A-CGA-O2A-C1
14	2	3033	CLA	O1A-CGA-O2A-C1
16	B	3052	BCR	C11-C10-C9-C8
16	1	204	BCR	C11-C10-C9-C8
16	0	205	BCR	C11-C10-C9-C8
17	L	207	LHG	O7-C5-C6-O8
17	1	201	LHG	O7-C5-C6-O8
17	0	201	LHG	O7-C5-C6-O8
14	A	837	CLA	O1D-CGD-O2D-CED
14	B	3016	CLA	C5-C6-C7-C8
14	b	3016	CLA	C5-C6-C7-C8
14	A	814	CLA	O1A-CGA-O2A-C1
14	B	3039	CLA	O1A-CGA-O2A-C1
14	b	3039	CLA	O1A-CGA-O2A-C1
14	1	808	CLA	O1A-CGA-O2A-C1
14	1	815	CLA	O1A-CGA-O2A-C1
14	A	813	CLA	C2C-C3C-CAC-CBC
14	b	3020	CLA	C16-C17-C18-C19
14	a	836	CLA	O1D-CGD-O2D-CED
14	1	837	CLA	O1D-CGD-O2D-CED
14	1	835	CLA	C2C-C3C-CAC-CBC
17	a	852	LHG	C29-C30-C31-C32

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Mol	Chain	Res	Type	Atoms
17	1	852	LHG	C29-C30-C31-C32
14	A	804	CLA	O1A-CGA-O2A-C1
14	A	808	CLA	O1A-CGA-O2A-C1
14	a	807	CLA	O1A-CGA-O2A-C1
14	j	1101	CLA	O1A-CGA-O2A-C1
14	1	804	CLA	O1A-CGA-O2A-C1
14	2	3039	CLA	O1A-CGA-O2A-C1
17	A	854	LHG	C24-C23-O8-C6
17	1	853	LHG	C24-C23-O8-C6
14	2	3016	CLA	C5-C6-C7-C8
14	A	815	CLA	C11-C10-C8-C9
14	A	826	CLA	C11-C10-C8-C9
14	A	836	CLA	C11-C12-C13-C14
14	B	3007	CLA	C11-C10-C8-C9
14	B	3017	CLA	C11-C10-C8-C9
14	a	814	CLA	C11-C10-C8-C9
14	a	825	CLA	C11-C10-C8-C9
14	a	835	CLA	C11-C12-C13-C14
14	b	3007	CLA	C11-C10-C8-C9
14	b	3017	CLA	C11-C10-C8-C9
14	1	815	CLA	C11-C10-C8-C9
14	1	826	CLA	C11-C10-C8-C9
14	1	836	CLA	C11-C12-C13-C14
14	2	3007	CLA	C11-C10-C8-C9
14	2	3017	CLA	C11-C10-C8-C9
14	a	834	CLA	C2C-C3C-CAC-CBC
17	A	853	LHG	C29-C30-C31-C32
14	A	822	CLA	O1A-CGA-O2A-C1
14	B	3003	CLA	O1A-CGA-O2A-C1
14	B	3014	CLA	O1A-CGA-O2A-C1
14	B	3038	CLA	O1A-CGA-O2A-C1
14	a	821	CLA	O1A-CGA-O2A-C1
14	b	3003	CLA	O1A-CGA-O2A-C1
14	b	3014	CLA	O1A-CGA-O2A-C1
14	b	3038	CLA	O1A-CGA-O2A-C1
14	1	822	CLA	O1A-CGA-O2A-C1
14	2	3003	CLA	O1A-CGA-O2A-C1
14	2	3014	CLA	O1A-CGA-O2A-C1
14	2	3038	CLA	O1A-CGA-O2A-C1
14	A	835	CLA	C2C-C3C-CAC-CBC
14	1	811	CLA	C2C-C3C-CAC-CBC
14	B	3018	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B	3034	CLA	C5-C6-C7-C8
14	b	3018	CLA	C8-C10-C11-C12
14	b	3034	CLA	C5-C6-C7-C8
14	2	3018	CLA	C8-C10-C11-C12
14	2	3034	CLA	C5-C6-C7-C8
14	A	811	CLA	C2C-C3C-CAC-CBC
17	a	853	LHG	C24-C23-O8-C6
16	A	851	BCR	C11-C12-C13-C35
16	A	851	BCR	C36-C18-C19-C20
16	F	205	BCR	C37-C22-C23-C24
16	a	850	BCR	C11-C12-C13-C35
16	a	850	BCR	C36-C18-C19-C20
16	f	205	BCR	C37-C22-C23-C24
16	1	850	BCR	C11-C12-C13-C35
16	1	850	BCR	C36-C18-C19-C20
16	6	205	BCR	C37-C22-C23-C24
14	A	832	CLA	C10-C11-C12-C13
14	B	3039	CLA	C10-C11-C12-C13
14	a	831	CLA	C10-C11-C12-C13
14	b	3039	CLA	C10-C11-C12-C13
14	1	832	CLA	C10-C11-C12-C13
14	2	3039	CLA	C10-C11-C12-C13
16	A	847	BCR	C7-C8-C9-C10
16	a	846	BCR	C7-C8-C9-C10
16	1	846	BCR	C7-C8-C9-C10
14	a	810	CLA	C2C-C3C-CAC-CBC
14	A	814	CLA	C1A-C2A-CAA-CBA
14	A	838	CLA	C1A-C2A-CAA-CBA
14	B	3036	CLA	C1A-C2A-CAA-CBA
14	a	813	CLA	C1A-C2A-CAA-CBA
14	a	837	CLA	C1A-C2A-CAA-CBA
14	b	3036	CLA	C1A-C2A-CAA-CBA
14	1	814	CLA	C1A-C2A-CAA-CBA
14	1	838	CLA	C1A-C2A-CAA-CBA
14	2	3036	CLA	C1A-C2A-CAA-CBA
14	A	809	CLA	C16-C17-C18-C20
14	A	840	CLA	C16-C17-C18-C20
14	a	839	CLA	C16-C17-C18-C20
14	1	809	CLA	C16-C17-C18-C20
14	1	840	CLA	C16-C17-C18-C20
14	A	820	CLA	C15-C16-C17-C18
14	a	819	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	1	820	CLA	C15-C16-C17-C18
14	A	826	CLA	C2-C1-O2A-CGA
14	a	825	CLA	C2-C1-O2A-CGA
14	1	826	CLA	C2-C1-O2A-CGA
14	A	826	CLA	C2C-C3C-CAC-CBC
14	1	826	CLA	C2C-C3C-CAC-CBC
17	B	3051	LHG	C2-C3-O3-P
17	b	3051	LHG	C2-C3-O3-P
17	2	3051	LHG	C2-C3-O3-P
17	b	3051	LHG	C11-C10-C9-C8
17	A	854	LHG	C3-O3-P-O5
17	A	854	LHG	C4-O6-P-O4
17	L	207	LHG	C3-O3-P-O5
17	L	208	LHG	C3-O3-P-O5
17	L	208	LHG	C4-O6-P-O5
17	a	853	LHG	C3-O3-P-O5
17	a	853	LHG	C4-O6-P-O4
17	l	201	LHG	C3-O3-P-O5
17	l	202	LHG	C3-O3-P-O5
17	l	202	LHG	C4-O6-P-O5
17	1	853	LHG	C3-O3-P-O5
17	1	853	LHG	C4-O6-P-O4
17	0	201	LHG	C3-O3-P-O5
17	0	202	LHG	C3-O3-P-O5
17	0	202	LHG	C4-O6-P-O5
14	0	207	CLA	C16-C17-C18-C19
14	a	825	CLA	C2C-C3C-CAC-CBC
17	B	3051	LHG	C11-C10-C9-C8
14	A	811	CLA	O2A-C1-C2-C3
14	a	810	CLA	O2A-C1-C2-C3
14	1	811	CLA	O2A-C1-C2-C3
17	1	201	LHG	C17-C18-C19-C20
17	2	3051	LHG	C11-C10-C9-C8
17	0	201	LHG	C17-C18-C19-C20
14	2	3019	CLA	C5-C6-C7-C8
14	A	829	CLA	C2A-CAA-CBA-CGA
14	a	828	CLA	C2A-CAA-CBA-CGA
14	1	829	CLA	C2A-CAA-CBA-CGA
14	A	840	CLA	C3-C5-C6-C7
14	a	839	CLA	C3-C5-C6-C7
14	1	840	CLA	C3-C5-C6-C7
17	A	853	LHG	C31-C32-C33-C34

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Mol	Chain	Res	Type	Atoms
17	L	207	LHG	C17-C18-C19-C20
17	a	852	LHG	C31-C32-C33-C34
14	L	203	CLA	C16-C17-C18-C19
14	a	808	CLA	C16-C17-C18-C20
14	l	206	CLA	C16-C17-C18-C19
14	A	810	CLA	CAD-CBD-CGD-O1D
14	A	832	CLA	CAD-CBD-CGD-O1D
14	A	844	CLA	CAD-CBD-CGD-O1D
14	B	3014	CLA	CAD-CBD-CGD-O1D
14	B	3019	CLA	CAD-CBD-CGD-O1D
14	B	3027	CLA	CAD-CBD-CGD-O1D
14	B	3032	CLA	CAD-CBD-CGD-O1D
14	a	809	CLA	CAD-CBD-CGD-O1D
14	a	831	CLA	CAD-CBD-CGD-O1D
14	a	843	CLA	CAD-CBD-CGD-O1D
14	b	3014	CLA	CAD-CBD-CGD-O1D
14	b	3019	CLA	CAD-CBD-CGD-O1D
14	b	3027	CLA	CAD-CBD-CGD-O1D
14	b	3032	CLA	CAD-CBD-CGD-O1D
14	1	810	CLA	CAD-CBD-CGD-O1D
14	1	832	CLA	CAD-CBD-CGD-O1D
14	1	844	CLA	CAD-CBD-CGD-O1D
14	2	3014	CLA	CAD-CBD-CGD-O1D
14	2	3019	CLA	CAD-CBD-CGD-O1D
14	2	3027	CLA	CAD-CBD-CGD-O1D
14	2	3032	CLA	CAD-CBD-CGD-O1D
14	B	3019	CLA	C5-C6-C7-C8
14	b	3019	CLA	C5-C6-C7-C8
17	1	852	LHG	C31-C32-C33-C34
14	A	829	CLA	C16-C17-C18-C20
14	a	828	CLA	C16-C17-C18-C20
14	1	829	CLA	C16-C17-C18-C20
14	B	3028	CLA	C4-C3-C5-C6
14	b	3028	CLA	C4-C3-C5-C6
14	2	3028	CLA	C4-C3-C5-C6
14	A	815	CLA	C11-C10-C8-C7
14	A	815	CLA	C12-C13-C15-C16
14	A	819	CLA	C6-C7-C8-C10
14	A	833	CLA	C11-C10-C8-C7
14	A	833	CLA	C11-C12-C13-C15
14	A	833	CLA	C12-C13-C15-C16
14	A	835	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	A	836	CLA	C11-C12-C13-C15
14	A	841	CLA	C11-C10-C8-C7
14	A	843	CLA	C6-C7-C8-C10
14	B	3003	CLA	C12-C13-C15-C16
14	B	3006	CLA	C11-C10-C8-C7
14	B	3006	CLA	C11-C12-C13-C15
14	B	3007	CLA	C11-C10-C8-C7
14	B	3012	CLA	C11-C12-C13-C15
14	B	3025	CLA	C3A-C2A-CAA-CBA
14	B	3026	CLA	C6-C7-C8-C10
14	B	3027	CLA	C11-C12-C13-C15
14	B	3038	CLA	C11-C10-C8-C7
14	B	3039	CLA	C6-C7-C8-C10
14	B	3042	CLA	C6-C7-C8-C10
14	L	204	CLA	C6-C7-C8-C10
14	a	814	CLA	C11-C10-C8-C7
14	a	818	CLA	C6-C7-C8-C10
14	a	832	CLA	C11-C10-C8-C7
14	a	832	CLA	C11-C12-C13-C15
14	a	832	CLA	C12-C13-C15-C16
14	a	834	CLA	C12-C13-C15-C16
14	a	835	CLA	C11-C12-C13-C15
14	a	840	CLA	C11-C10-C8-C7
14	a	842	CLA	C6-C7-C8-C10
14	b	3003	CLA	C12-C13-C15-C16
14	b	3006	CLA	C11-C10-C8-C7
14	b	3006	CLA	C11-C12-C13-C15
14	b	3007	CLA	C11-C10-C8-C7
14	b	3012	CLA	C11-C12-C13-C15
14	b	3025	CLA	C3A-C2A-CAA-CBA
14	b	3026	CLA	C6-C7-C8-C10
14	b	3027	CLA	C11-C12-C13-C15
14	b	3038	CLA	C11-C10-C8-C7
14	b	3039	CLA	C6-C7-C8-C10
14	b	3042	CLA	C6-C7-C8-C10
14	l	207	CLA	C6-C7-C8-C10
14	1	815	CLA	C11-C10-C8-C7
14	1	819	CLA	C6-C7-C8-C10
14	1	826	CLA	C12-C13-C15-C16
14	1	833	CLA	C11-C10-C8-C7
14	1	833	CLA	C11-C12-C13-C15
14	1	833	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	1	835	CLA	C12-C13-C15-C16
14	1	836	CLA	C11-C12-C13-C15
14	1	841	CLA	C11-C10-C8-C7
14	1	843	CLA	C6-C7-C8-C10
14	2	3003	CLA	C12-C13-C15-C16
14	2	3006	CLA	C11-C10-C8-C7
14	2	3007	CLA	C11-C10-C8-C7
14	2	3012	CLA	C11-C12-C13-C15
14	2	3025	CLA	C3A-C2A-CAA-CBA
14	2	3026	CLA	C6-C7-C8-C10
14	2	3027	CLA	C11-C12-C13-C15
14	2	3038	CLA	C11-C10-C8-C7
14	2	3039	CLA	C6-C7-C8-C10
14	2	3039	CLA	C11-C10-C8-C7
14	0	208	CLA	C6-C7-C8-C10
15	B	3043	PQN	C17-C18-C20-C21
15	b	3043	PQN	C17-C18-C20-C21
15	2	3043	PQN	C17-C18-C20-C21
17	L	208	LHG	O6-C4-C5-O7
17	l	202	LHG	O6-C4-C5-O7
17	0	202	LHG	O6-C4-C5-O7
14	B	3020	CLA	O1A-CGA-O2A-C1
14	b	3020	CLA	O1A-CGA-O2A-C1
14	2	3020	CLA	O1A-CGA-O2A-C1
14	a	825	CLA	C8-C10-C11-C12
14	1	826	CLA	C8-C10-C11-C12
14	A	826	CLA	C8-C10-C11-C12
14	L	205	CLA	C16-C17-C18-C20
14	l	208	CLA	C16-C17-C18-C20
13	A	801	CL0	CAA-CBA-CGA-O2A
13	a	801	CL0	CAA-CBA-CGA-O2A
13	1	801	CL0	CAA-CBA-CGA-O2A
17	L	208	LHG	O7-C5-C6-O8
17	l	202	LHG	O7-C5-C6-O8
17	0	202	LHG	O7-C5-C6-O8
14	X	1701	CLA	C2C-C3C-CAC-CBC
14	0	209	CLA	C16-C17-C18-C20
14	B	3034	CLA	C10-C11-C12-C13
14	b	3034	CLA	C10-C11-C12-C13
14	2	3034	CLA	C10-C11-C12-C13
14	x	1701	CLA	C2C-C3C-CAC-CBC
14	z	1701	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	B	3036	CLA	C2C-C3C-CAC-CBC
14	b	3036	CLA	C2C-C3C-CAC-CBC
14	2	3036	CLA	C2C-C3C-CAC-CBC
14	F	201	CLA	C10-C11-C12-C13
14	6	201	CLA	C10-C11-C12-C13
17	2	3051	LHG	C24-C25-C26-C27
14	A	812	CLA	C5-C6-C7-C8
14	B	3034	CLA	C8-C10-C11-C12
14	a	811	CLA	C5-C6-C7-C8
14	b	3034	CLA	C8-C10-C11-C12
14	1	810	CLA	C10-C11-C12-C13
14	1	812	CLA	C5-C6-C7-C8
14	2	3034	CLA	C8-C10-C11-C12
14	A	806	CLA	C14-C13-C15-C16
14	A	807	CLA	C11-C10-C8-C9
14	A	809	CLA	C14-C13-C15-C16
14	A	814	CLA	C11-C12-C13-C14
14	A	815	CLA	C14-C13-C15-C16
14	A	824	CLA	C11-C10-C8-C9
14	A	824	CLA	C14-C13-C15-C16
14	A	831	CLA	C11-C10-C8-C9
14	A	833	CLA	C11-C10-C8-C9
14	A	834	CLA	C6-C7-C8-C9
14	A	834	CLA	C14-C13-C15-C16
14	A	839	CLA	C14-C13-C15-C16
14	B	3012	CLA	C11-C12-C13-C14
14	B	3012	CLA	C14-C13-C15-C16
14	B	3016	CLA	C11-C10-C8-C9
14	B	3017	CLA	C11-C12-C13-C14
14	B	3026	CLA	C11-C12-C13-C14
14	B	3027	CLA	C11-C10-C8-C9
14	B	3039	CLA	C6-C7-C8-C9
14	L	205	CLA	C14-C13-C15-C16
14	a	805	CLA	C14-C13-C15-C16
14	a	806	CLA	C11-C10-C8-C9
14	a	808	CLA	C14-C13-C15-C16
14	a	813	CLA	C11-C12-C13-C14
14	a	814	CLA	C14-C13-C15-C16
14	a	823	CLA	C11-C10-C8-C9
14	a	823	CLA	C14-C13-C15-C16
14	a	830	CLA	C11-C10-C8-C9
14	a	832	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	a	833	CLA	C6-C7-C8-C9
14	a	833	CLA	C14-C13-C15-C16
14	a	838	CLA	C14-C13-C15-C16
14	b	3012	CLA	C11-C12-C13-C14
14	b	3012	CLA	C14-C13-C15-C16
14	b	3016	CLA	C11-C10-C8-C9
14	b	3017	CLA	C11-C12-C13-C14
14	b	3026	CLA	C11-C12-C13-C14
14	b	3027	CLA	C11-C10-C8-C9
14	b	3039	CLA	C6-C7-C8-C9
14	l	208	CLA	C14-C13-C15-C16
14	1	806	CLA	C14-C13-C15-C16
14	1	807	CLA	C11-C10-C8-C9
14	1	809	CLA	C14-C13-C15-C16
14	1	814	CLA	C11-C12-C13-C14
14	1	815	CLA	C14-C13-C15-C16
14	1	824	CLA	C11-C10-C8-C9
14	1	831	CLA	C11-C10-C8-C9
14	1	833	CLA	C11-C10-C8-C9
14	1	834	CLA	C6-C7-C8-C9
14	1	834	CLA	C14-C13-C15-C16
14	1	839	CLA	C14-C13-C15-C16
14	2	3012	CLA	C11-C12-C13-C14
14	2	3012	CLA	C14-C13-C15-C16
14	2	3016	CLA	C11-C10-C8-C9
14	2	3017	CLA	C11-C12-C13-C14
14	2	3026	CLA	C11-C12-C13-C14
14	2	3027	CLA	C11-C10-C8-C9
14	2	3039	CLA	C6-C7-C8-C9
14	0	209	CLA	C14-C13-C15-C16
16	A	849	BCR	C6-C7-C8-C9
16	a	848	BCR	C6-C7-C8-C9
16	j	1105	BCR	C22-C23-C24-C25
16	1	848	BCR	C6-C7-C8-C9
14	f	201	CLA	C10-C11-C12-C13
17	B	3051	LHG	C24-C25-C26-C27
17	b	3051	LHG	C24-C25-C26-C27
14	B	3025	CLA	C3-C5-C6-C7
14	b	3025	CLA	C3-C5-C6-C7
14	2	3025	CLA	C3-C5-C6-C7
14	A	810	CLA	C10-C11-C12-C13
14	a	809	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	a	852	LHG	C15-C16-C17-C18
20	B	3050	LMG	C42-C43-C44-C45
20	2	3050	LMG	C42-C43-C44-C45
17	A	853	LHG	C15-C16-C17-C18
20	b	3050	LMG	C42-C43-C44-C45
17	1	852	LHG	C15-C16-C17-C18
16	y	101	BCR	C11-C10-C9-C34
14	B	3004	CLA	CAA-CBA-CGA-O2A
14	b	3004	CLA	CAA-CBA-CGA-O2A
14	2	3004	CLA	CAA-CBA-CGA-O2A
14	A	839	CLA	C5-C6-C7-C8
14	B	3023	CLA	C5-C6-C7-C8
14	a	838	CLA	C5-C6-C7-C8
14	b	3023	CLA	C5-C6-C7-C8
14	1	839	CLA	C5-C6-C7-C8
14	2	3023	CLA	C5-C6-C7-C8
14	B	3032	CLA	C1-C2-C3-C4
14	b	3032	CLA	C1-C2-C3-C4
14	2	3032	CLA	C1-C2-C3-C4
17	l	202	LHG	C16-C17-C18-C19
14	A	834	CLA	C2A-CAA-CBA-CGA
14	A	839	CLA	C2A-CAA-CBA-CGA
14	F	203	CLA	C2A-CAA-CBA-CGA
14	a	833	CLA	C2A-CAA-CBA-CGA
14	a	838	CLA	C2A-CAA-CBA-CGA
14	f	203	CLA	C2A-CAA-CBA-CGA
14	1	834	CLA	C2A-CAA-CBA-CGA
14	1	839	CLA	C2A-CAA-CBA-CGA
14	6	203	CLA	C2A-CAA-CBA-CGA
14	a	817	CLA	C5-C6-C7-C8
14	A	825	CLA	C2-C1-O2A-CGA
14	B	3003	CLA	C2-C1-O2A-CGA
14	B	3018	CLA	C2-C1-O2A-CGA
14	B	3019	CLA	C2-C1-O2A-CGA
14	a	824	CLA	C2-C1-O2A-CGA
14	b	3003	CLA	C2-C1-O2A-CGA
14	b	3018	CLA	C2-C1-O2A-CGA
14	b	3019	CLA	C2-C1-O2A-CGA
14	1	825	CLA	C2-C1-O2A-CGA
14	2	3003	CLA	C2-C1-O2A-CGA
14	2	3007	CLA	C2-C1-O2A-CGA
14	2	3018	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	2	3019	CLA	C2-C1-O2A-CGA
17	L	208	LHG	C16-C17-C18-C19
17	0	202	LHG	C16-C17-C18-C19
14	2	3011	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	C5-C6-C7-C8
14	1	818	CLA	C5-C6-C7-C8
14	B	3011	CLA	O1D-CGD-O2D-CED
20	B	3050	LMG	C34-C35-C36-C37
20	b	3050	LMG	C34-C35-C36-C37
20	2	3050	LMG	C34-C35-C36-C37
14	b	3011	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	C8-C10-C11-C12
14	a	824	CLA	C8-C10-C11-C12
14	1	803	CLA	C13-C15-C16-C17
14	1	825	CLA	C8-C10-C11-C12
16	B	3047	BCR	C1-C6-C7-C8
16	b	3047	BCR	C1-C6-C7-C8
16	2	3047	BCR	C1-C6-C7-C8
17	1	853	LHG	C28-C29-C30-C31
14	A	803	CLA	C13-C15-C16-C17
14	a	803	CLA	C13-C15-C16-C17
17	A	854	LHG	C28-C29-C30-C31
14	L	204	CLA	C16-C17-C18-C20
14	l	207	CLA	C16-C17-C18-C20
14	0	208	CLA	C16-C17-C18-C20
14	B	3003	CLA	C3-C5-C6-C7
14	b	3003	CLA	C3-C5-C6-C7
17	a	853	LHG	C28-C29-C30-C31
14	B	3028	CLA	C4C-C3C-CAC-CBC
17	A	853	LHG	O7-C5-C6-O8
17	a	852	LHG	O7-C5-C6-O8
17	1	852	LHG	O7-C5-C6-O8
14	2	3028	CLA	C4C-C3C-CAC-CBC
17	A	853	LHG	C3-O3-P-O6
17	a	852	LHG	C3-O3-P-O6
17	1	852	LHG	C3-O3-P-O6
14	b	3028	CLA	C4C-C3C-CAC-CBC
14	A	817	CLA	C16-C17-C18-C20
14	a	816	CLA	C16-C17-C18-C20
14	1	817	CLA	C16-C17-C18-C20
14	A	829	CLA	C11-C12-C13-C15
14	B	3033	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	a	828	CLA	C11-C12-C13-C15
14	b	3033	CLA	C11-C10-C8-C7
14	l	206	CLA	C12-C13-C15-C16
14	1	829	CLA	C11-C12-C13-C15
14	2	3006	CLA	C11-C12-C13-C15
14	2	3033	CLA	C11-C10-C8-C7
14	0	207	CLA	C12-C13-C15-C16
14	2	3003	CLA	C3-C5-C6-C7
14	B	3018	CLA	C2C-C3C-CAC-CBC
14	2	3018	CLA	C2C-C3C-CAC-CBC
14	A	814	CLA	C11-C10-C8-C9
14	B	3005	CLA	C6-C7-C8-C9
14	B	3020	CLA	C11-C12-C13-C14
14	B	3020	CLA	C14-C13-C15-C16
14	B	3026	CLA	C6-C7-C8-C9
14	a	813	CLA	C11-C10-C8-C9
14	b	3005	CLA	C6-C7-C8-C9
14	b	3020	CLA	C11-C12-C13-C14
14	b	3020	CLA	C14-C13-C15-C16
14	b	3026	CLA	C6-C7-C8-C9
14	1	814	CLA	C11-C10-C8-C9
14	1	824	CLA	C14-C13-C15-C16
14	2	3005	CLA	C6-C7-C8-C9
14	2	3020	CLA	C11-C12-C13-C14
14	2	3020	CLA	C14-C13-C15-C16
14	2	3026	CLA	C6-C7-C8-C9
14	a	816	CLA	C13-C15-C16-C17
16	L	206	BCR	C15-C16-C17-C18
16	b	3048	BCR	C13-C14-C15-C16
16	l	210	BCR	C15-C16-C17-C18
16	2	3048	BCR	C13-C14-C15-C16
16	0	211	BCR	C15-C16-C17-C18
14	b	3018	CLA	C2C-C3C-CAC-CBC
14	A	817	CLA	C13-C15-C16-C17
14	1	817	CLA	C13-C15-C16-C17
14	b	3009	CLA	O1D-CGD-O2D-CED
14	2	3009	CLA	O1D-CGD-O2D-CED
14	B	3018	CLA	C4C-C3C-CAC-CBC
14	b	3018	CLA	C4C-C3C-CAC-CBC
14	2	3018	CLA	C4C-C3C-CAC-CBC
14	B	3009	CLA	O1D-CGD-O2D-CED
14	1	840	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	L	204	CLA	C16-C17-C18-C19
14	l	207	CLA	C16-C17-C18-C19
14	0	208	CLA	C16-C17-C18-C19
14	A	840	CLA	C2C-C3C-CAC-CBC
14	a	839	CLA	C2C-C3C-CAC-CBC
16	J	104	BCR	C22-C23-C24-C25
16	8	104	BCR	C22-C23-C24-C25
14	A	806	CLA	C16-C17-C18-C19
14	A	834	CLA	C16-C17-C18-C20
16	A	847	BCR	C9-C10-C11-C12
16	A	848	BCR	C13-C14-C15-C16
16	B	3047	BCR	C19-C20-C21-C22
16	B	3048	BCR	C13-C14-C15-C16
16	a	846	BCR	C9-C10-C11-C12
16	a	847	BCR	C13-C14-C15-C16
16	b	3047	BCR	C19-C20-C21-C22
16	1	846	BCR	C9-C10-C11-C12
16	1	847	BCR	C13-C14-C15-C16
16	2	3047	BCR	C19-C20-C21-C22
17	A	854	LHG	O6-C4-C5-O7
17	a	853	LHG	O6-C4-C5-O7
17	1	853	LHG	O6-C4-C5-O7
16	B	3045	BCR	C18-C19-C20-C21
14	B	3011	CLA	CBD-CGD-O2D-CED
14	A	806	CLA	C16-C17-C18-C20
14	a	805	CLA	C16-C17-C18-C20
14	a	833	CLA	C16-C17-C18-C20
14	1	806	CLA	C16-C17-C18-C20
14	1	834	CLA	C16-C17-C18-C20
14	B	3008	CLA	C3-C5-C6-C7
14	b	3008	CLA	C3-C5-C6-C7
14	2	3008	CLA	C3-C5-C6-C7
20	B	3050	LMG	O9-C10-O7-C8
20	b	3050	LMG	O9-C10-O7-C8
20	2	3050	LMG	O9-C10-O7-C8
14	2	3011	CLA	CBD-CGD-O2D-CED
14	A	815	CLA	C2-C1-O2A-CGA
14	A	821	CLA	C2-C1-O2A-CGA
14	B	3007	CLA	C2-C1-O2A-CGA
14	a	814	CLA	C2-C1-O2A-CGA
14	a	820	CLA	C2-C1-O2A-CGA
14	b	3007	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	1	815	CLA	C2-C1-O2A-CGA
14	1	821	CLA	C2-C1-O2A-CGA
14	B	3021	CLA	C15-C16-C17-C18
14	2	3021	CLA	C15-C16-C17-C18
14	a	805	CLA	C16-C17-C18-C19
14	1	806	CLA	C16-C17-C18-C19
17	A	853	LHG	C14-C15-C16-C17
17	1	852	LHG	C14-C15-C16-C17
14	b	3021	CLA	C15-C16-C17-C18
17	a	852	LHG	C14-C15-C16-C17
13	a	801	CL0	C15-C16-C17-C18
14	b	3011	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	C3A-C2A-CAA-CBA
14	a	829	CLA	C3A-C2A-CAA-CBA
14	1	830	CLA	C3A-C2A-CAA-CBA
14	J	101	CLA	CAA-CBA-CGA-O1A
14	j	1102	CLA	CAA-CBA-CGA-O1A
14	8	101	CLA	CAA-CBA-CGA-O1A
17	L	207	LHG	C25-C26-C27-C28
17	l	201	LHG	C25-C26-C27-C28
17	0	201	LHG	C25-C26-C27-C28
14	B	3038	CLA	C5-C6-C7-C8
14	A	805	CLA	C6-C7-C8-C9
14	A	810	CLA	C11-C10-C8-C9
14	A	815	CLA	C11-C12-C13-C14
14	A	822	CLA	C11-C10-C8-C9
14	A	842	CLA	C6-C7-C8-C9
14	B	3027	CLA	C11-C12-C13-C14
14	a	804	CLA	C6-C7-C8-C9
14	a	809	CLA	C11-C10-C8-C9
14	a	814	CLA	C11-C12-C13-C14
14	a	821	CLA	C11-C10-C8-C9
14	a	841	CLA	C6-C7-C8-C9
14	b	3027	CLA	C11-C12-C13-C14
14	1	805	CLA	C6-C7-C8-C9
14	1	810	CLA	C11-C10-C8-C9
14	1	815	CLA	C11-C12-C13-C14
14	1	822	CLA	C11-C10-C8-C9
14	1	842	CLA	C6-C7-C8-C9
14	2	3027	CLA	C11-C12-C13-C14
14	2	3042	CLA	C6-C7-C8-C9
17	0	201	LHG	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
13	A	801	CL0	C15-C16-C17-C18
14	A	804	CLA	C13-C15-C16-C17
14	A	806	CLA	C10-C11-C12-C13
14	a	805	CLA	C10-C11-C12-C13
14	b	3038	CLA	C5-C6-C7-C8
14	j	1101	CLA	C13-C15-C16-C17
14	l	804	CLA	C13-C15-C16-C17
14	l	806	CLA	C10-C11-C12-C13
17	l	201	LHG	C12-C13-C14-C15
17	L	207	LHG	C12-C13-C14-C15
13	1	801	CL0	C15-C16-C17-C18
16	B	3046	BCR	C11-C10-C9-C34
16	F	202	BCR	C16-C17-C18-C36
16	F	205	BCR	C35-C13-C14-C15
16	b	3046	BCR	C11-C10-C9-C34
16	f	202	BCR	C16-C17-C18-C36
16	f	205	BCR	C35-C13-C14-C15
16	2	3046	BCR	C11-C10-C9-C34
16	6	202	BCR	C16-C17-C18-C36
16	6	205	BCR	C35-C13-C14-C15
14	2	3038	CLA	C5-C6-C7-C8
14	A	829	CLA	C16-C17-C18-C19
14	a	828	CLA	C16-C17-C18-C19
14	l	829	CLA	C16-C17-C18-C19
14	F	203	CLA	CAA-CBA-CGA-O1A
14	f	203	CLA	CAA-CBA-CGA-O1A
14	6	203	CLA	CAA-CBA-CGA-O1A
16	B	3052	BCR	C37-C22-C23-C24
16	J	104	BCR	C36-C18-C19-C20
16	l	204	BCR	C37-C22-C23-C24
16	0	205	BCR	C37-C22-C23-C24
16	F	202	BCR	C7-C8-C9-C10
16	f	202	BCR	C7-C8-C9-C10
16	6	202	BCR	C7-C8-C9-C10
14	A	827	CLA	C1A-C2A-CAA-CBA
14	A	843	CLA	C1A-C2A-CAA-CBA
14	B	3032	CLA	C1A-C2A-CAA-CBA
14	a	826	CLA	C1A-C2A-CAA-CBA
14	a	835	CLA	C1A-C2A-CAA-CBA
14	a	842	CLA	C1A-C2A-CAA-CBA
14	b	3032	CLA	C1A-C2A-CAA-CBA
14	l	827	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	1	843	CLA	C1A-C2A-CAA-CBA
14	2	3032	CLA	C1A-C2A-CAA-CBA
14	a	840	CLA	C16-C17-C18-C20
14	A	806	CLA	C6-C7-C8-C10
14	A	817	CLA	C6-C7-C8-C10
14	B	3034	CLA	C11-C10-C8-C7
14	B	3041	CLA	C6-C7-C8-C10
14	L	203	CLA	C12-C13-C15-C16
14	a	805	CLA	C6-C7-C8-C10
14	a	816	CLA	C6-C7-C8-C10
14	b	3028	CLA	C2-C3-C5-C6
14	b	3034	CLA	C11-C10-C8-C7
14	b	3041	CLA	C6-C7-C8-C10
14	1	806	CLA	C6-C7-C8-C10
14	1	817	CLA	C6-C7-C8-C10
14	2	3034	CLA	C11-C10-C8-C7
14	2	3041	CLA	C6-C7-C8-C10
14	F	204	CLA	C2C-C3C-CAC-CBC
14	B	3026	CLA	C13-C15-C16-C17
14	b	3026	CLA	C13-C15-C16-C17
14	2	3005	CLA	C15-C16-C17-C18
14	2	3026	CLA	C13-C15-C16-C17
16	b	3047	BCR	C9-C10-C11-C12
17	B	3051	LHG	C3-O3-P-O6
17	b	3051	LHG	C3-O3-P-O6
17	2	3051	LHG	C3-O3-P-O6
14	b	3005	CLA	C15-C16-C17-C18
14	A	841	CLA	C16-C17-C18-C20
14	1	841	CLA	C16-C17-C18-C20
14	6	204	CLA	C2C-C3C-CAC-CBC
14	B	3009	CLA	C2A-CAA-CBA-CGA
14	b	3009	CLA	C2A-CAA-CBA-CGA
14	2	3009	CLA	C2A-CAA-CBA-CGA
14	B	3005	CLA	C15-C16-C17-C18
14	j	1102	CLA	CAA-CBA-CGA-O2A
14	8	101	CLA	CAA-CBA-CGA-O2A
14	B	3032	CLA	O2A-C1-C2-C3
14	b	3032	CLA	O2A-C1-C2-C3
14	2	3032	CLA	O2A-C1-C2-C3
14	B	3028	CLA	C5-C6-C7-C8
14	f	204	CLA	C2C-C3C-CAC-CBC
14	A	802	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	A	830	CLA	C16-C17-C18-C19
14	a	802	CLA	C16-C17-C18-C20
14	a	829	CLA	C16-C17-C18-C19
14	1	802	CLA	C16-C17-C18-C20
14	1	830	CLA	C16-C17-C18-C19
14	A	844	CLA	CAA-CBA-CGA-O2A
14	J	101	CLA	CAA-CBA-CGA-O2A
14	a	843	CLA	CAA-CBA-CGA-O2A
14	1	844	CLA	CAA-CBA-CGA-O2A
14	A	810	CLA	C4-C3-C5-C6
14	K	102	CLA	C4-C3-C5-C6
14	a	809	CLA	C4-C3-C5-C6
14	k	102	CLA	C4-C3-C5-C6
14	1	810	CLA	C4-C3-C5-C6
14	9	103	CLA	C4-C3-C5-C6
14	b	3028	CLA	C5-C6-C7-C8
14	2	3028	CLA	C5-C6-C7-C8
14	B	3028	CLA	C2-C3-C5-C6
14	2	3028	CLA	C2-C3-C5-C6
14	A	806	CLA	C5-C6-C7-C8
14	a	805	CLA	C5-C6-C7-C8
14	1	806	CLA	C5-C6-C7-C8
17	B	3051	LHG	C23-C24-C25-C26
17	b	3051	LHG	C23-C24-C25-C26
16	B	3046	BCR	C11-C10-C9-C8
16	b	3046	BCR	C11-C10-C9-C8
16	2	3046	BCR	C11-C10-C9-C8
14	6	203	CLA	CAA-CBA-CGA-O2A
17	A	854	LHG	C24-C25-C26-C27
17	2	3051	LHG	C23-C24-C25-C26
16	B	3047	BCR	C9-C10-C11-C12
16	2	3047	BCR	C9-C10-C11-C12
14	f	203	CLA	CAA-CBA-CGA-O2A
16	A	847	BCR	C6-C7-C8-C9
16	B	3047	BCR	C6-C7-C8-C9
16	a	846	BCR	C6-C7-C8-C9
16	b	3047	BCR	C6-C7-C8-C9
16	1	846	BCR	C6-C7-C8-C9
16	2	3047	BCR	C6-C7-C8-C9
16	9	104	BCR	C6-C7-C8-C9
17	L	207	LHG	C29-C30-C31-C32
17	a	853	LHG	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
17	1	853	LHG	C24-C25-C26-C27
17	0	201	LHG	C29-C30-C31-C32
17	A	854	LHG	C1-C2-C3-O3
17	a	853	LHG	C1-C2-C3-O3
17	1	853	LHG	C1-C2-C3-O3
14	F	203	CLA	CAA-CBA-CGA-O2A
17	l	201	LHG	C29-C30-C31-C32
14	B	3042	CLA	C2-C1-O2A-CGA
14	b	3042	CLA	C2-C1-O2A-CGA
14	2	3042	CLA	C2-C1-O2A-CGA
16	b	3045	BCR	C18-C19-C20-C21
16	2	3045	BCR	C18-C19-C20-C21
14	A	844	CLA	CAA-CBA-CGA-O1A
14	a	843	CLA	CAA-CBA-CGA-O1A
14	1	844	CLA	CAA-CBA-CGA-O1A
14	B	3042	CLA	C6-C7-C8-C9
14	b	3042	CLA	C6-C7-C8-C9
14	B	3022	CLA	CAA-CBA-CGA-O2A
14	b	3022	CLA	CAA-CBA-CGA-O2A
14	2	3022	CLA	CAA-CBA-CGA-O2A
16	A	846	BCR	C23-C24-C25-C30
16	a	845	BCR	C23-C24-C25-C30
16	9	102	BCR	C23-C24-C25-C30
17	b	3051	LHG	C31-C32-C33-C34
17	2	3051	LHG	C31-C32-C33-C34
17	B	3051	LHG	C31-C32-C33-C34
14	A	826	CLA	C2-C3-C5-C6
14	A	839	CLA	C2-C3-C5-C6
14	a	825	CLA	C2-C3-C5-C6
14	a	838	CLA	C2-C3-C5-C6
14	1	826	CLA	C2-C3-C5-C6
14	1	839	CLA	C2-C3-C5-C6
16	B	3052	BCR	C14-C15-C16-C17
16	l	204	BCR	C14-C15-C16-C17
16	0	205	BCR	C14-C15-C16-C17
14	B	3033	CLA	CAA-CBA-CGA-O2A
14	b	3033	CLA	CAA-CBA-CGA-O2A
14	2	3033	CLA	CAA-CBA-CGA-O2A
14	F	204	CLA	C2A-CAA-CBA-CGA
14	f	204	CLA	C2A-CAA-CBA-CGA
14	6	204	CLA	C2A-CAA-CBA-CGA
14	B	3022	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	b	3022	CLA	CAA-CBA-CGA-O1A
14	2	3022	CLA	CAA-CBA-CGA-O1A
14	B	3031	CLA	C4-C3-C5-C6
14	b	3031	CLA	C4-C3-C5-C6
14	2	3031	CLA	C4-C3-C5-C6
14	A	802	CLA	C11-C12-C13-C15
14	A	825	CLA	C12-C13-C15-C16
14	A	836	CLA	C11-C10-C8-C7
14	B	3018	CLA	C6-C7-C8-C10
14	B	3026	CLA	C11-C12-C13-C15
14	a	802	CLA	C11-C12-C13-C15
14	a	824	CLA	C12-C13-C15-C16
14	a	835	CLA	C11-C10-C8-C7
14	b	3018	CLA	C6-C7-C8-C10
14	b	3026	CLA	C11-C12-C13-C15
14	1	802	CLA	C11-C12-C13-C15
14	1	825	CLA	C12-C13-C15-C16
14	1	836	CLA	C11-C10-C8-C7
14	2	3018	CLA	C6-C7-C8-C10
14	2	3026	CLA	C11-C12-C13-C15
16	A	852	BCR	C13-C14-C15-C16
16	a	851	BCR	C13-C14-C15-C16
16	1	851	BCR	C13-C14-C15-C16
14	B	3035	CLA	C16-C17-C18-C19
14	b	3035	CLA	C16-C17-C18-C19
14	2	3035	CLA	C16-C17-C18-C19
14	B	3008	CLA	CAA-CBA-CGA-O2A
14	b	3008	CLA	CAA-CBA-CGA-O2A
14	2	3008	CLA	CAA-CBA-CGA-O2A
14	A	802	CLA	C16-C17-C18-C19
14	a	802	CLA	C16-C17-C18-C19
14	1	802	CLA	C16-C17-C18-C19
16	A	851	BCR	C11-C10-C9-C34
16	A	851	BCR	C16-C17-C18-C36
16	I	102	BCR	C16-C17-C18-C36
16	a	850	BCR	C11-C10-C9-C34
16	a	850	BCR	C16-C17-C18-C36
16	1	209	BCR	C16-C17-C18-C36
16	1	850	BCR	C11-C10-C9-C34
16	1	850	BCR	C16-C17-C18-C36
16	0	210	BCR	C16-C17-C18-C36
14	2	3014	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B	3004	CLA	C5-C6-C7-C8
14	B	3019	CLA	C13-C15-C16-C17
14	b	3004	CLA	C5-C6-C7-C8
14	b	3019	CLA	C13-C15-C16-C17
14	2	3019	CLA	C13-C15-C16-C17
14	a	815	CLA	C2C-C3C-CAC-CBC
14	A	816	CLA	C2-C3-C5-C6
14	b	3036	CLA	CAA-CBA-CGA-O2A
13	A	801	CL0	C14-C13-C15-C16
13	a	801	CL0	C14-C13-C15-C16
13	1	801	CL0	C14-C13-C15-C16
14	A	807	CLA	C6-C7-C8-C9
14	A	809	CLA	C6-C7-C8-C9
14	A	826	CLA	C6-C7-C8-C9
14	A	826	CLA	C14-C13-C15-C16
14	A	838	CLA	C11-C10-C8-C9
14	A	841	CLA	C11-C10-C8-C9
14	A	843	CLA	C6-C7-C8-C9
14	B	3003	CLA	C14-C13-C15-C16
14	B	3005	CLA	C11-C10-C8-C9
14	B	3021	CLA	C14-C13-C15-C16
14	B	3033	CLA	C11-C10-C8-C9
14	L	203	CLA	C14-C13-C15-C16
14	a	806	CLA	C6-C7-C8-C9
14	a	808	CLA	C6-C7-C8-C9
14	a	825	CLA	C6-C7-C8-C9
14	a	825	CLA	C14-C13-C15-C16
14	a	837	CLA	C11-C10-C8-C9
14	a	840	CLA	C11-C10-C8-C9
14	a	842	CLA	C6-C7-C8-C9
14	b	3003	CLA	C14-C13-C15-C16
14	b	3005	CLA	C11-C10-C8-C9
14	b	3021	CLA	C14-C13-C15-C16
14	b	3033	CLA	C11-C10-C8-C9
14	l	206	CLA	C14-C13-C15-C16
14	1	807	CLA	C6-C7-C8-C9
14	1	809	CLA	C6-C7-C8-C9
14	1	826	CLA	C6-C7-C8-C9
14	1	826	CLA	C14-C13-C15-C16
14	1	838	CLA	C11-C10-C8-C9
14	1	841	CLA	C11-C10-C8-C9
14	1	843	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	2	3003	CLA	C14-C13-C15-C16
14	2	3005	CLA	C11-C10-C8-C9
14	2	3021	CLA	C14-C13-C15-C16
14	2	3033	CLA	C11-C10-C8-C9
14	0	207	CLA	C14-C13-C15-C16
15	B	3043	PQN	C19-C18-C20-C21
15	b	3043	PQN	C19-C18-C20-C21
15	2	3043	PQN	C19-C18-C20-C21
14	B	3024	CLA	CAA-CBA-CGA-O2A
14	b	3024	CLA	CAA-CBA-CGA-O2A
14	b	3037	CLA	CAA-CBA-CGA-O2A
14	2	3024	CLA	CAA-CBA-CGA-O2A
14	A	815	CLA	C3A-C2A-CAA-CBA
14	A	827	CLA	C3A-C2A-CAA-CBA
14	A	838	CLA	C3A-C2A-CAA-CBA
14	A	843	CLA	C3A-C2A-CAA-CBA
14	B	3032	CLA	C3A-C2A-CAA-CBA
14	a	814	CLA	C3A-C2A-CAA-CBA
14	a	826	CLA	C3A-C2A-CAA-CBA
14	a	837	CLA	C3A-C2A-CAA-CBA
14	a	842	CLA	C3A-C2A-CAA-CBA
14	b	3032	CLA	C3A-C2A-CAA-CBA
14	1	815	CLA	C3A-C2A-CAA-CBA
14	1	827	CLA	C3A-C2A-CAA-CBA
14	1	838	CLA	C3A-C2A-CAA-CBA
14	1	843	CLA	C3A-C2A-CAA-CBA
14	2	3032	CLA	C3A-C2A-CAA-CBA
14	B	3032	CLA	C2C-C3C-CAC-CBC
14	2	3004	CLA	C5-C6-C7-C8
14	B	3036	CLA	CAA-CBA-CGA-O2A
14	2	3036	CLA	CAA-CBA-CGA-O2A
14	B	3037	CLA	CAA-CBA-CGA-O2A
14	2	3037	CLA	CAA-CBA-CGA-O2A
14	A	808	CLA	CAD-CBD-CGD-O2D
14	A	821	CLA	CAD-CBD-CGD-O2D
14	A	824	CLA	CAD-CBD-CGD-O2D
14	A	827	CLA	CAD-CBD-CGD-O2D
14	A	828	CLA	CAD-CBD-CGD-O2D
14	A	834	CLA	CAD-CBD-CGD-O2D
14	A	838	CLA	CAD-CBD-CGD-O2D
14	A	840	CLA	CAD-CBD-CGD-O2D
14	B	3021	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	B	3022	CLA	CAD-CBD-CGD-O2D
14	B	3026	CLA	CAD-CBD-CGD-O2D
14	B	3035	CLA	CAD-CBD-CGD-O2D
14	B	3042	CLA	CAD-CBD-CGD-O2D
14	a	807	CLA	CAD-CBD-CGD-O2D
14	a	820	CLA	CAD-CBD-CGD-O2D
14	a	823	CLA	CAD-CBD-CGD-O2D
14	a	826	CLA	CAD-CBD-CGD-O2D
14	a	827	CLA	CAD-CBD-CGD-O2D
14	a	833	CLA	CAD-CBD-CGD-O2D
14	a	837	CLA	CAD-CBD-CGD-O2D
14	a	839	CLA	CAD-CBD-CGD-O2D
14	b	3021	CLA	CAD-CBD-CGD-O2D
14	b	3022	CLA	CAD-CBD-CGD-O2D
14	b	3026	CLA	CAD-CBD-CGD-O2D
14	b	3035	CLA	CAD-CBD-CGD-O2D
14	b	3042	CLA	CAD-CBD-CGD-O2D
14	1	808	CLA	CAD-CBD-CGD-O2D
14	1	821	CLA	CAD-CBD-CGD-O2D
14	1	824	CLA	CAD-CBD-CGD-O2D
14	1	827	CLA	CAD-CBD-CGD-O2D
14	1	828	CLA	CAD-CBD-CGD-O2D
14	1	834	CLA	CAD-CBD-CGD-O2D
14	1	838	CLA	CAD-CBD-CGD-O2D
14	1	840	CLA	CAD-CBD-CGD-O2D
14	2	3021	CLA	CAD-CBD-CGD-O2D
14	2	3022	CLA	CAD-CBD-CGD-O2D
14	2	3026	CLA	CAD-CBD-CGD-O2D
14	2	3035	CLA	CAD-CBD-CGD-O2D
14	2	3042	CLA	CAD-CBD-CGD-O2D
14	B	3035	CLA	C5-C6-C7-C8
14	b	3035	CLA	C5-C6-C7-C8
14	2	3035	CLA	C5-C6-C7-C8
14	a	805	CLA	C2C-C3C-CAC-CBC
14	b	3032	CLA	C2C-C3C-CAC-CBC
14	B	3014	CLA	CAA-CBA-CGA-O2A
14	1	816	CLA	C2C-C3C-CAC-CBC
16	J	104	BCR	C6-C7-C8-C9
16	K	103	BCR	C6-C7-C8-C9
16	j	1105	BCR	C6-C7-C8-C9
16	k	103	BCR	C6-C7-C8-C9
16	8	104	BCR	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	1	824	CLA	C5-C6-C7-C8
14	2	3032	CLA	C2C-C3C-CAC-CBC
14	B	3014	CLA	C4-C3-C5-C6
14	L	201	CLA	C4-C3-C5-C6
14	b	3014	CLA	C4-C3-C5-C6
14	l	203	CLA	C4-C3-C5-C6
14	0	204	CLA	C4-C3-C5-C6
14	A	824	CLA	C5-C6-C7-C8
14	A	810	CLA	C2-C3-C5-C6
14	K	102	CLA	C2-C3-C5-C6
14	a	809	CLA	C2-C3-C5-C6
14	a	815	CLA	C2-C3-C5-C6
14	k	102	CLA	C2-C3-C5-C6
14	1	810	CLA	C2-C3-C5-C6
14	1	816	CLA	C2-C3-C5-C6
14	9	103	CLA	C2-C3-C5-C6
14	b	3014	CLA	CAA-CBA-CGA-O2A
14	2	3014	CLA	CAA-CBA-CGA-O2A
14	A	816	CLA	C2C-C3C-CAC-CBC
16	A	847	BCR	C21-C22-C23-C24
16	J	104	BCR	C21-C22-C23-C24
16	a	846	BCR	C21-C22-C23-C24
16	j	1105	BCR	C21-C22-C23-C24
16	1	846	BCR	C21-C22-C23-C24
16	8	104	BCR	C21-C22-C23-C24
14	f	204	CLA	C4C-C3C-CAC-CBC
14	A	806	CLA	C2C-C3C-CAC-CBC
14	1	806	CLA	C2C-C3C-CAC-CBC
14	6	204	CLA	C4C-C3C-CAC-CBC
14	F	204	CLA	C4C-C3C-CAC-CBC
14	B	3017	CLA	CAA-CBA-CGA-O2A
14	b	3017	CLA	CAA-CBA-CGA-O2A
14	2	3017	CLA	CAA-CBA-CGA-O2A
14	a	805	CLA	C15-C16-C17-C18
14	1	806	CLA	C15-C16-C17-C18
14	A	802	CLA	O2A-C1-C2-C3
14	A	817	CLA	O2A-C1-C2-C3
14	A	826	CLA	O2A-C1-C2-C3
14	B	3006	CLA	O2A-C1-C2-C3
14	B	3012	CLA	O2A-C1-C2-C3
14	B	3016	CLA	O2A-C1-C2-C3
14	B	3017	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
14	B	3026	CLA	O2A-C1-C2-C3
14	B	3034	CLA	O2A-C1-C2-C3
14	L	205	CLA	O2A-C1-C2-C3
14	a	802	CLA	O2A-C1-C2-C3
14	a	816	CLA	O2A-C1-C2-C3
14	a	825	CLA	O2A-C1-C2-C3
14	b	3006	CLA	O2A-C1-C2-C3
14	b	3012	CLA	O2A-C1-C2-C3
14	b	3016	CLA	O2A-C1-C2-C3
14	b	3017	CLA	O2A-C1-C2-C3
14	b	3026	CLA	O2A-C1-C2-C3
14	b	3034	CLA	O2A-C1-C2-C3
14	l	208	CLA	O2A-C1-C2-C3
14	1	802	CLA	O2A-C1-C2-C3
14	1	817	CLA	O2A-C1-C2-C3
14	1	826	CLA	O2A-C1-C2-C3
14	2	3006	CLA	O2A-C1-C2-C3
14	2	3012	CLA	O2A-C1-C2-C3
14	2	3016	CLA	O2A-C1-C2-C3
14	2	3017	CLA	O2A-C1-C2-C3
14	2	3026	CLA	O2A-C1-C2-C3
14	2	3034	CLA	O2A-C1-C2-C3
14	0	209	CLA	O2A-C1-C2-C3
14	A	806	CLA	C15-C16-C17-C18
14	a	823	CLA	C5-C6-C7-C8
14	A	813	CLA	CAA-CBA-CGA-O2A
14	B	3024	CLA	CAA-CBA-CGA-O1A
14	B	3037	CLA	CAA-CBA-CGA-O1A
14	b	3037	CLA	CAA-CBA-CGA-O1A
14	2	3037	CLA	CAA-CBA-CGA-O1A
14	A	816	CLA	CHA-CBD-CGD-O1D
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	B	3006	CLA	CHA-CBD-CGD-O2D
14	B	3015	CLA	CHA-CBD-CGD-O1D
14	B	3016	CLA	CHA-CBD-CGD-O1D
14	B	3025	CLA	CHA-CBD-CGD-O2D
14	B	3030	CLA	CHA-CBD-CGD-O1D
14	B	3031	CLA	CHA-CBD-CGD-O1D
14	B	3031	CLA	CHA-CBD-CGD-O2D
14	B	3038	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	K	101	CLA	CHA-CBD-CGD-O1D
14	K	101	CLA	CHA-CBD-CGD-O2D
14	L	201	CLA	CHA-CBD-CGD-O2D
14	a	815	CLA	CHA-CBD-CGD-O1D
14	a	815	CLA	CHA-CBD-CGD-O2D
14	a	825	CLA	CHA-CBD-CGD-O1D
14	a	825	CLA	CHA-CBD-CGD-O2D
14	b	3006	CLA	CHA-CBD-CGD-O2D
14	b	3015	CLA	CHA-CBD-CGD-O1D
14	b	3016	CLA	CHA-CBD-CGD-O1D
14	b	3030	CLA	CHA-CBD-CGD-O1D
14	b	3031	CLA	CHA-CBD-CGD-O1D
14	b	3031	CLA	CHA-CBD-CGD-O2D
14	b	3038	CLA	CHA-CBD-CGD-O2D
14	k	101	CLA	CHA-CBD-CGD-O1D
14	k	101	CLA	CHA-CBD-CGD-O2D
14	l	203	CLA	CHA-CBD-CGD-O2D
14	1	816	CLA	CHA-CBD-CGD-O1D
14	1	816	CLA	CHA-CBD-CGD-O2D
14	1	826	CLA	CHA-CBD-CGD-O1D
14	1	826	CLA	CHA-CBD-CGD-O2D
14	2	3006	CLA	CHA-CBD-CGD-O2D
14	2	3015	CLA	CHA-CBD-CGD-O1D
14	2	3016	CLA	CHA-CBD-CGD-O1D
14	2	3030	CLA	CHA-CBD-CGD-O1D
14	2	3031	CLA	CHA-CBD-CGD-O1D
14	2	3031	CLA	CHA-CBD-CGD-O2D
14	2	3038	CLA	CHA-CBD-CGD-O2D
14	9	101	CLA	CHA-CBD-CGD-O1D
14	9	101	CLA	CHA-CBD-CGD-O2D
14	0	204	CLA	CHA-CBD-CGD-O2D
14	a	812	CLA	CAA-CBA-CGA-O2A
14	b	3024	CLA	CAA-CBA-CGA-O1A
14	2	3024	CLA	CAA-CBA-CGA-O1A
17	A	854	LHG	C8-C7-O7-C5
17	a	853	LHG	C8-C7-O7-C5
17	1	853	LHG	C8-C7-O7-C5
17	L	207	LHG	O6-C4-C5-C6
17	l	201	LHG	O6-C4-C5-C6
17	0	201	LHG	O6-C4-C5-C6
16	A	852	BCR	C12-C13-C14-C15
16	K	103	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
16	a	851	BCR	C12-C13-C14-C15
16	k	103	BCR	C11-C10-C9-C8
16	1	851	BCR	C12-C13-C14-C15
16	9	104	BCR	C11-C10-C9-C8
14	1	813	CLA	CAA-CBA-CGA-O2A
14	A	802	CLA	CAA-CBA-CGA-O2A
14	A	840	CLA	CAA-CBA-CGA-O2A
14	K	102	CLA	CAA-CBA-CGA-O2A
14	a	839	CLA	CAA-CBA-CGA-O2A
14	k	102	CLA	CAA-CBA-CGA-O2A
14	9	103	CLA	CAA-CBA-CGA-O2A
14	A	809	CLA	CAA-CBA-CGA-O2A
14	A	816	CLA	CAA-CBA-CGA-O2A
14	a	802	CLA	CAA-CBA-CGA-O2A
14	a	808	CLA	CAA-CBA-CGA-O2A
14	a	815	CLA	CAA-CBA-CGA-O2A
14	1	802	CLA	CAA-CBA-CGA-O2A
14	1	809	CLA	CAA-CBA-CGA-O2A
14	1	816	CLA	CAA-CBA-CGA-O2A
14	1	840	CLA	CAA-CBA-CGA-O2A
14	A	804	CLA	C2A-CAA-CBA-CGA
14	j	1101	CLA	C2A-CAA-CBA-CGA
14	1	804	CLA	C2A-CAA-CBA-CGA
14	b	3025	CLA	C13-C15-C16-C17
14	2	3025	CLA	C13-C15-C16-C17
14	b	3011	CLA	CAA-CBA-CGA-O2A
17	a	852	LHG	C23-C24-C25-C26
17	1	852	LHG	C23-C24-C25-C26
14	B	3025	CLA	C13-C15-C16-C17
14	A	809	CLA	C12-C13-C15-C16
14	A	814	CLA	C11-C12-C13-C15
14	B	3014	CLA	C11-C12-C13-C15
14	B	3020	CLA	C11-C10-C8-C7
14	B	3042	CLA	C11-C12-C13-C15
14	a	808	CLA	C12-C13-C15-C16
14	a	813	CLA	C11-C12-C13-C15
14	b	3014	CLA	C11-C12-C13-C15
14	b	3020	CLA	C11-C10-C8-C7
14	b	3042	CLA	C11-C12-C13-C15
14	1	809	CLA	C12-C13-C15-C16
14	1	814	CLA	C11-C12-C13-C15
14	2	3014	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	2	3020	CLA	C11-C10-C8-C7
14	2	3042	CLA	C11-C12-C13-C15
14	A	814	CLA	C15-C16-C17-C18
14	B	3011	CLA	CAA-CBA-CGA-O2A
14	F	204	CLA	CAA-CBA-CGA-O2A
14	f	204	CLA	CAA-CBA-CGA-O2A
14	2	3011	CLA	CAA-CBA-CGA-O2A
14	6	204	CLA	CAA-CBA-CGA-O2A
14	A	829	CLA	C11-C12-C13-C14
14	A	833	CLA	C14-C13-C15-C16
14	B	3034	CLA	C11-C10-C8-C9
14	B	3038	CLA	C11-C10-C8-C9
14	B	3042	CLA	C11-C12-C13-C14
14	a	828	CLA	C11-C12-C13-C14
14	a	832	CLA	C14-C13-C15-C16
14	b	3034	CLA	C11-C10-C8-C9
14	b	3038	CLA	C11-C10-C8-C9
14	1	812	CLA	C6-C7-C8-C9
14	1	829	CLA	C11-C12-C13-C14
14	1	833	CLA	C14-C13-C15-C16
14	2	3034	CLA	C11-C10-C8-C9
14	2	3038	CLA	C11-C10-C8-C9
17	A	853	LHG	C23-C24-C25-C26
20	b	3050	LMG	C21-C22-C23-C24
20	2	3050	LMG	C21-C22-C23-C24
14	a	813	CLA	C15-C16-C17-C18
14	A	836	CLA	CAA-CBA-CGA-O2A
14	a	835	CLA	CAA-CBA-CGA-O2A
14	1	836	CLA	CAA-CBA-CGA-O2A
14	b	3036	CLA	CAA-CBA-CGA-O1A
20	B	3050	LMG	O9-C10-C11-C12
20	B	3050	LMG	C21-C22-C23-C24
14	1	814	CLA	C15-C16-C17-C18
14	0	207	CLA	C5-C6-C7-C8
14	A	824	CLA	C2A-CAA-CBA-CGA
14	a	823	CLA	C2A-CAA-CBA-CGA
14	1	824	CLA	C2A-CAA-CBA-CGA
14	B	3036	CLA	CAA-CBA-CGA-O1A
20	b	3050	LMG	O9-C10-C11-C12
20	2	3050	LMG	O9-C10-C11-C12
14	a	839	CLA	C4C-C3C-CAC-CBC
14	1	840	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
16	j	1105	BCR	C36-C18-C19-C20
16	8	104	BCR	C36-C18-C19-C20
14	2	3036	CLA	CAA-CBA-CGA-O1A
14	l	206	CLA	C5-C6-C7-C8
14	A	804	CLA	C16-C17-C18-C20
14	B	3035	CLA	C16-C17-C18-C20
14	j	1101	CLA	C16-C17-C18-C20
14	1	804	CLA	C16-C17-C18-C20
14	A	826	CLA	C4-C3-C5-C6
14	a	825	CLA	C4-C3-C5-C6
14	1	826	CLA	C4-C3-C5-C6
14	L	203	CLA	C5-C6-C7-C8
14	0	209	CLA	CBD-CGD-O2D-CED
16	F	205	BCR	C21-C22-C23-C24
16	f	205	BCR	C21-C22-C23-C24
16	6	205	BCR	C21-C22-C23-C24
14	B	3015	CLA	CBA-CGA-O2A-C1
14	b	3015	CLA	CBA-CGA-O2A-C1
14	2	3015	CLA	CBA-CGA-O2A-C1
14	A	840	CLA	C4C-C3C-CAC-CBC
14	A	815	CLA	C1A-C2A-CAA-CBA
14	A	836	CLA	C1A-C2A-CAA-CBA
14	B	3025	CLA	C1A-C2A-CAA-CBA
14	a	814	CLA	C1A-C2A-CAA-CBA
14	b	3025	CLA	C1A-C2A-CAA-CBA
14	1	815	CLA	C1A-C2A-CAA-CBA
14	1	836	CLA	C1A-C2A-CAA-CBA
14	2	3025	CLA	C1A-C2A-CAA-CBA
14	b	3035	CLA	C16-C17-C18-C20
14	B	3017	CLA	CAA-CBA-CGA-O1A
14	2	3017	CLA	CAA-CBA-CGA-O1A
14	a	812	CLA	CAA-CBA-CGA-O1A
14	1	813	CLA	CAA-CBA-CGA-O1A
14	L	205	CLA	O1D-CGD-O2D-CED
14	l	208	CLA	O1D-CGD-O2D-CED
14	A	835	CLA	C2-C1-O2A-CGA
14	B	3034	CLA	C2-C1-O2A-CGA
14	a	834	CLA	C2-C1-O2A-CGA
14	b	3034	CLA	C2-C1-O2A-CGA
14	1	835	CLA	C2-C1-O2A-CGA
14	2	3034	CLA	C2-C1-O2A-CGA
14	A	836	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	B	3014	CLA	CAA-CBA-CGA-O1A
14	a	835	CLA	CAA-CBA-CGA-O1A
14	b	3014	CLA	CAA-CBA-CGA-O1A
14	b	3017	CLA	CAA-CBA-CGA-O1A
14	1	836	CLA	CAA-CBA-CGA-O1A
14	2	3014	CLA	CAA-CBA-CGA-O1A
14	A	813	CLA	CAA-CBA-CGA-O1A
14	2	3036	CLA	C2A-CAA-CBA-CGA
14	1	208	CLA	CBD-CGD-O2D-CED
14	A	842	CLA	C16-C17-C18-C20
14	a	841	CLA	C16-C17-C18-C20
14	1	842	CLA	C16-C17-C18-C20
14	2	3035	CLA	C16-C17-C18-C20
14	A	839	CLA	C4-C3-C5-C6
14	a	838	CLA	C4-C3-C5-C6
14	1	839	CLA	C4-C3-C5-C6
14	K	102	CLA	CAA-CBA-CGA-O1A
14	b	3008	CLA	CAA-CBA-CGA-O1A
14	k	102	CLA	CAA-CBA-CGA-O1A
14	2	3008	CLA	CAA-CBA-CGA-O1A
14	9	103	CLA	CAA-CBA-CGA-O1A
16	2	3044	BCR	C22-C23-C24-C25
17	L	207	LHG	C4-O6-P-O5
17	1	201	LHG	C4-O6-P-O5
17	0	201	LHG	C4-O6-P-O5
14	B	3008	CLA	CAA-CBA-CGA-O1A
17	A	853	LHG	O9-C7-C8-C9
17	B	3051	LHG	O9-C7-C8-C9
17	a	852	LHG	O9-C7-C8-C9
17	b	3051	LHG	O9-C7-C8-C9
17	1	852	LHG	O9-C7-C8-C9
17	2	3051	LHG	O9-C7-C8-C9
17	B	3051	LHG	O7-C7-C8-C9
17	b	3051	LHG	O7-C7-C8-C9
17	2	3051	LHG	O7-C7-C8-C9
16	B	3047	BCR	C5-C6-C7-C8
16	b	3047	BCR	C5-C6-C7-C8
16	2	3047	BCR	C5-C6-C7-C8
14	F	204	CLA	CAA-CBA-CGA-O1A
14	f	204	CLA	CAA-CBA-CGA-O1A
14	6	204	CLA	CAA-CBA-CGA-O1A
14	b	3013	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	a	813	CLA	C16-C17-C18-C20
14	1	814	CLA	C16-C17-C18-C20
14	A	841	CLA	C2A-CAA-CBA-CGA
14	B	3023	CLA	C2A-CAA-CBA-CGA
14	b	3023	CLA	C2A-CAA-CBA-CGA
14	2	3023	CLA	C2A-CAA-CBA-CGA
14	0	209	CLA	O1D-CGD-O2D-CED
14	B	3013	CLA	CAA-CBA-CGA-O2A
14	2	3013	CLA	CAA-CBA-CGA-O2A
14	A	821	CLA	CAA-CBA-CGA-O2A
14	L	201	CLA	CAA-CBA-CGA-O2A
14	a	820	CLA	CAA-CBA-CGA-O2A
14	1	203	CLA	CAA-CBA-CGA-O2A
14	1	821	CLA	CAA-CBA-CGA-O2A
14	0	204	CLA	CAA-CBA-CGA-O2A
14	A	807	CLA	C10-C11-C12-C13
14	a	806	CLA	C10-C11-C12-C13
14	1	807	CLA	C10-C11-C12-C13
14	L	205	CLA	CBD-CGD-O2D-CED
14	a	815	CLA	CAA-CBA-CGA-O1A
14	1	816	CLA	CAA-CBA-CGA-O1A
14	A	814	CLA	C16-C17-C18-C20
14	A	813	CLA	CAD-CBD-CGD-O1D
14	A	815	CLA	CAD-CBD-CGD-O1D
14	A	829	CLA	CAD-CBD-CGD-O1D
14	B	3023	CLA	CAD-CBD-CGD-O1D
14	B	3024	CLA	CAD-CBD-CGD-O1D
14	F	204	CLA	CAD-CBD-CGD-O1D
14	J	101	CLA	CAD-CBD-CGD-O1D
14	a	812	CLA	CAD-CBD-CGD-O1D
14	a	814	CLA	CAD-CBD-CGD-O1D
14	a	828	CLA	CAD-CBD-CGD-O1D
14	b	3023	CLA	CAD-CBD-CGD-O1D
14	b	3024	CLA	CAD-CBD-CGD-O1D
14	f	204	CLA	CAD-CBD-CGD-O1D
14	j	1102	CLA	CAD-CBD-CGD-O1D
14	1	813	CLA	CAD-CBD-CGD-O1D
14	1	815	CLA	CAD-CBD-CGD-O1D
14	1	829	CLA	CAD-CBD-CGD-O1D
14	2	3023	CLA	CAD-CBD-CGD-O1D
14	2	3024	CLA	CAD-CBD-CGD-O1D
14	6	204	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	8	101	CLA	CAD-CBD-CGD-O1D
17	L	208	LHG	C4-C5-O7-C7
17	l	202	LHG	C4-C5-O7-C7
17	0	202	LHG	C4-C5-O7-C7
14	1	840	CLA	CAA-CBA-CGA-O1A
14	B	3010	CLA	C5-C6-C7-C8
14	A	812	CLA	C6-C7-C8-C9
14	B	3018	CLA	C14-C13-C15-C16
14	B	3033	CLA	C6-C7-C8-C9
14	a	811	CLA	C6-C7-C8-C9
14	b	3018	CLA	C14-C13-C15-C16
14	b	3033	CLA	C6-C7-C8-C9
14	b	3042	CLA	C11-C12-C13-C14
14	2	3018	CLA	C14-C13-C15-C16
14	2	3033	CLA	C6-C7-C8-C9
14	2	3042	CLA	C11-C12-C13-C14
14	b	3010	CLA	C5-C6-C7-C8
14	2	3010	CLA	C5-C6-C7-C8
14	A	816	CLA	CAA-CBA-CGA-O1A
14	A	840	CLA	CAA-CBA-CGA-O1A
14	a	839	CLA	CAA-CBA-CGA-O1A
14	1	810	CLA	CAA-CBA-CGA-O2A
20	B	3050	LMG	O7-C10-C11-C12
20	b	3050	LMG	O7-C10-C11-C12
20	2	3050	LMG	O7-C10-C11-C12
14	1	825	CLA	C15-C16-C17-C18
14	a	840	CLA	C2A-CAA-CBA-CGA
14	1	841	CLA	C2A-CAA-CBA-CGA
14	A	810	CLA	CAA-CBA-CGA-O2A
14	a	809	CLA	CAA-CBA-CGA-O2A
14	b	3029	CLA	CAA-CBA-CGA-O2A
14	A	825	CLA	C15-C16-C17-C18
14	b	3013	CLA	CAA-CBA-CGA-O1A
14	2	3013	CLA	CAA-CBA-CGA-O1A
15	b	3043	PQN	C13-C15-C16-C17
14	A	809	CLA	CAA-CBA-CGA-O1A
14	a	808	CLA	CAA-CBA-CGA-O1A
14	1	809	CLA	CAA-CBA-CGA-O1A
14	A	816	CLA	C4-C3-C5-C6
14	a	815	CLA	C4-C3-C5-C6
14	1	816	CLA	C4-C3-C5-C6
14	a	824	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	l	201	LHG	C31-C32-C33-C34
14	A	815	CLA	C11-C12-C13-C15
14	A	841	CLA	C11-C12-C13-C15
14	a	814	CLA	C11-C12-C13-C15
14	a	840	CLA	C11-C12-C13-C15
14	1	815	CLA	C11-C12-C13-C15
14	1	841	CLA	C11-C12-C13-C15
15	A	845	PQN	C17-C18-C20-C21
15	a	844	PQN	C17-C18-C20-C21
15	1	845	PQN	C17-C18-C20-C21
14	A	802	CLA	CAA-CBA-CGA-O1A
14	B	3013	CLA	CAA-CBA-CGA-O1A
17	L	207	LHG	C31-C32-C33-C34
14	B	3029	CLA	CAA-CBA-CGA-O2A
14	f	201	CLA	CAA-CBA-CGA-O2A
14	2	3029	CLA	CAA-CBA-CGA-O2A
14	A	832	CLA	C3-C5-C6-C7
14	a	831	CLA	C3-C5-C6-C7
14	1	832	CLA	C3-C5-C6-C7
15	B	3043	PQN	C13-C15-C16-C17
15	2	3043	PQN	C13-C15-C16-C17
16	F	202	BCR	C21-C22-C23-C24
16	f	202	BCR	C21-C22-C23-C24
16	6	202	BCR	C21-C22-C23-C24
14	a	802	CLA	CAA-CBA-CGA-O1A
14	1	802	CLA	CAA-CBA-CGA-O1A
16	B	3049	BCR	C9-C10-C11-C12
16	b	3049	BCR	C9-C10-C11-C12
16	2	3049	BCR	C9-C10-C11-C12
17	0	201	LHG	C31-C32-C33-C34
14	F	201	CLA	CAA-CBA-CGA-O2A
17	A	853	LHG	O7-C7-C8-C9
17	a	852	LHG	O7-C7-C8-C9
17	1	852	LHG	O7-C7-C8-C9
14	A	815	CLA	C5-C6-C7-C8
14	A	831	CLA	C15-C16-C17-C18
14	a	814	CLA	C5-C6-C7-C8
14	a	820	CLA	C8-C10-C11-C12
14	a	830	CLA	C15-C16-C17-C18
14	1	831	CLA	C15-C16-C17-C18
14	0	204	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	A	826	CLA	C15-C16-C17-C18
14	B	3031	CLA	C5-C6-C7-C8
14	a	817	CLA	C8-C10-C11-C12
14	a	825	CLA	C15-C16-C17-C18
14	1	821	CLA	C8-C10-C11-C12
14	2	3031	CLA	C5-C6-C7-C8
14	L	201	CLA	O1A-CGA-O2A-C1
14	l	203	CLA	O1A-CGA-O2A-C1
14	A	842	CLA	CAA-CBA-CGA-O2A
14	B	3018	CLA	CAA-CBA-CGA-O2A
14	a	841	CLA	CAA-CBA-CGA-O2A
14	b	3018	CLA	CAA-CBA-CGA-O2A
14	1	842	CLA	CAA-CBA-CGA-O2A
14	2	3018	CLA	CAA-CBA-CGA-O2A
14	6	201	CLA	CAA-CBA-CGA-O2A
14	A	821	CLA	C8-C10-C11-C12
14	b	3031	CLA	C5-C6-C7-C8
14	1	815	CLA	C5-C6-C7-C8
14	1	818	CLA	C8-C10-C11-C12
14	1	826	CLA	C15-C16-C17-C18
14	b	3029	CLA	CAA-CBA-CGA-O1A
14	2	3029	CLA	CAA-CBA-CGA-O1A
14	B	3036	CLA	C2A-CAA-CBA-CGA
14	B	3037	CLA	C2A-CAA-CBA-CGA
14	b	3036	CLA	C2A-CAA-CBA-CGA
14	b	3037	CLA	C2A-CAA-CBA-CGA
14	2	3032	CLA	C2A-CAA-CBA-CGA
14	2	3037	CLA	C2A-CAA-CBA-CGA
14	B	3029	CLA	CAA-CBA-CGA-O1A

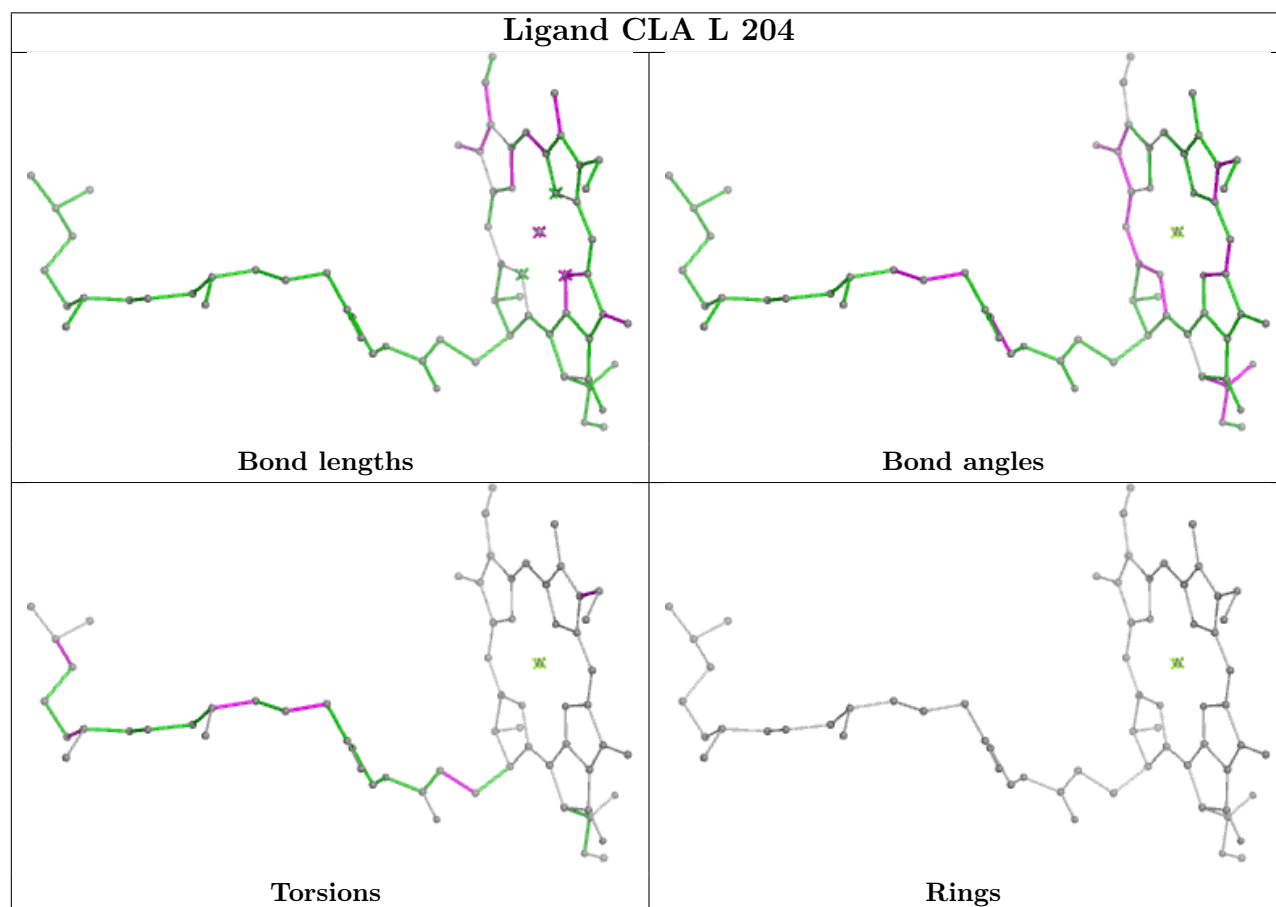
There are no ring outliers.

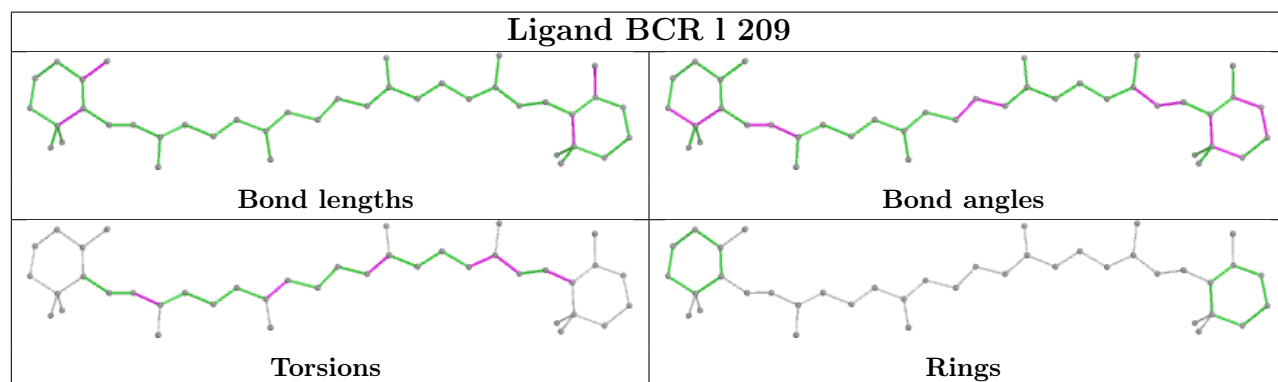
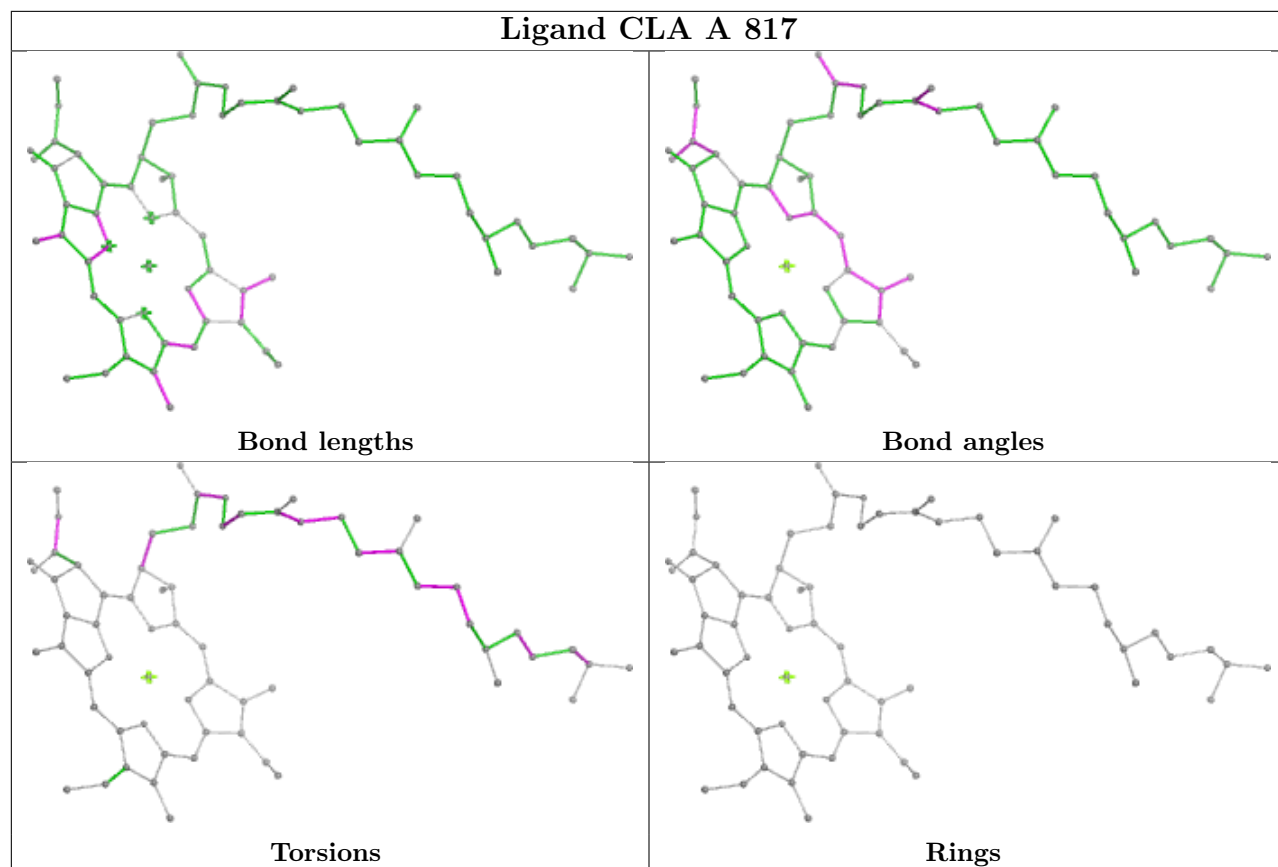
No monomer is involved in short contacts.

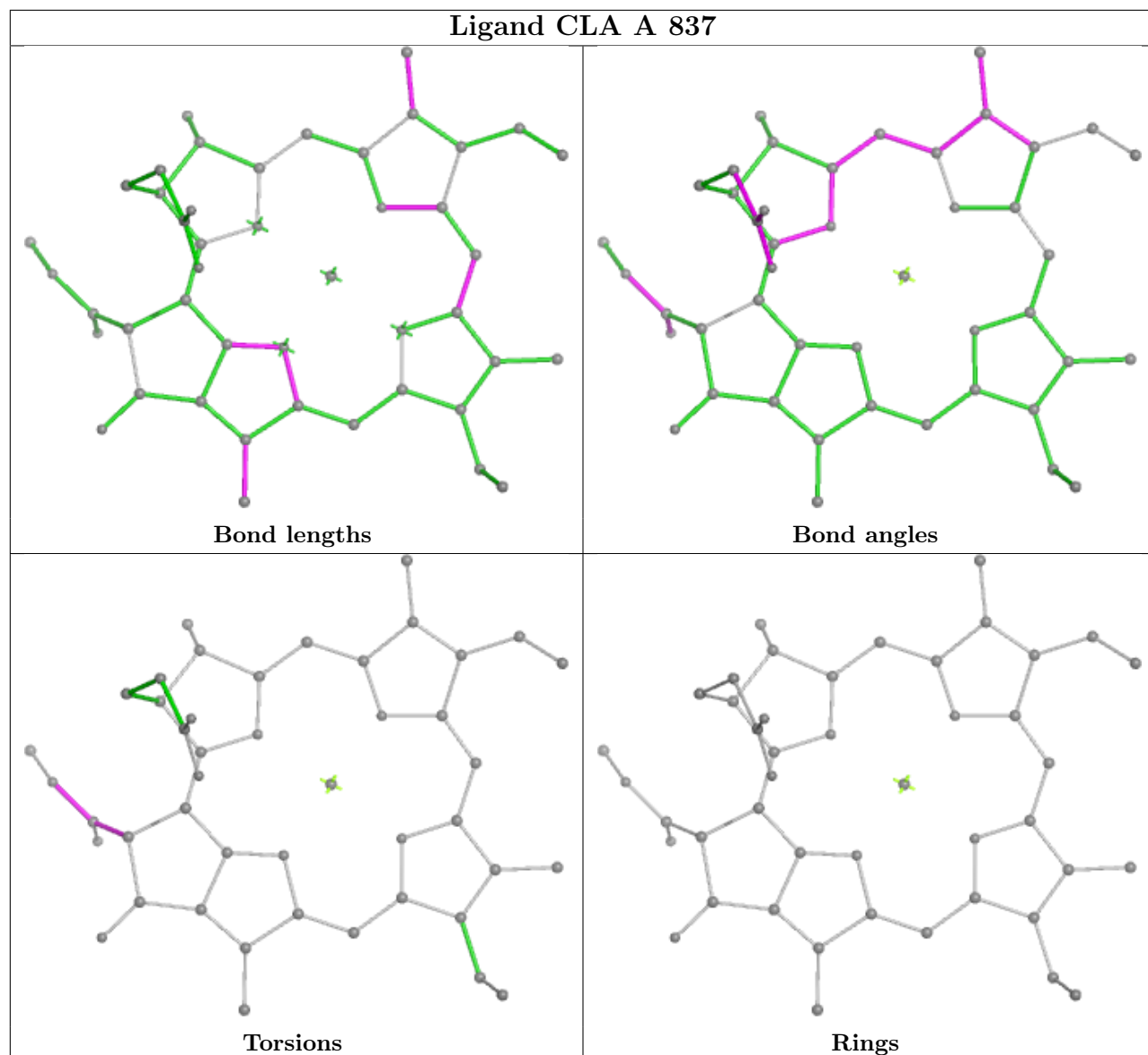
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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

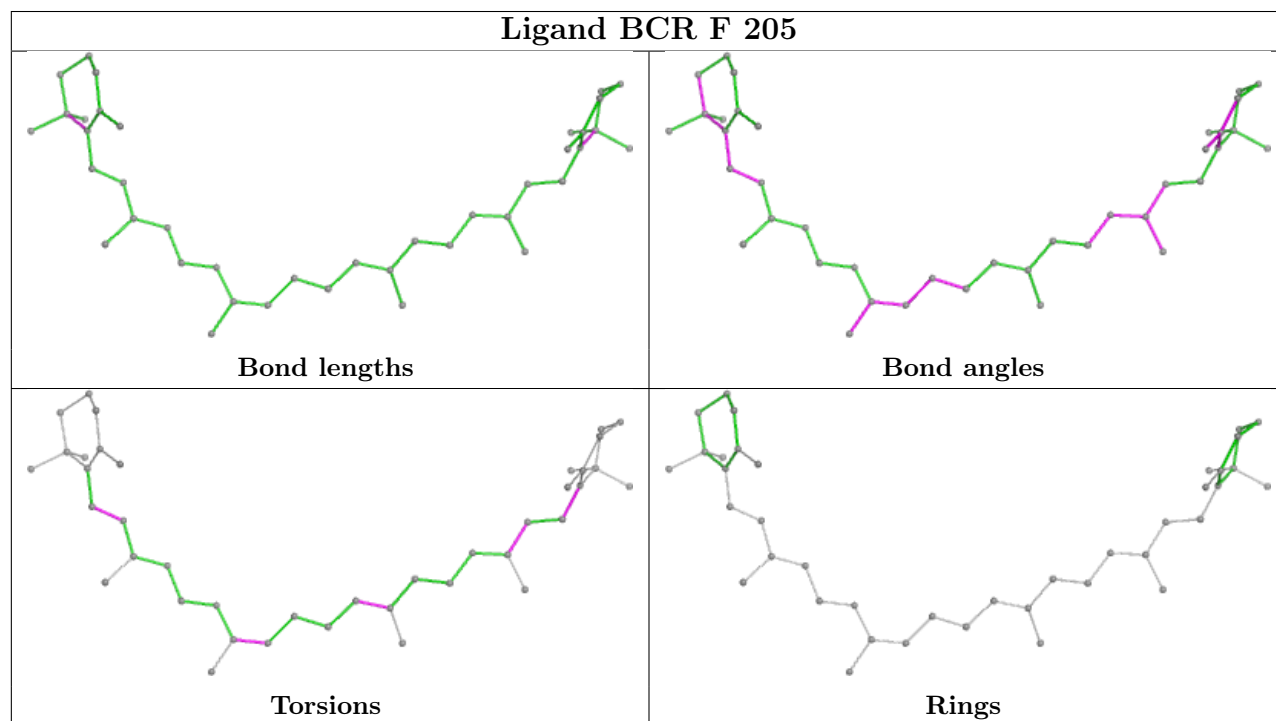
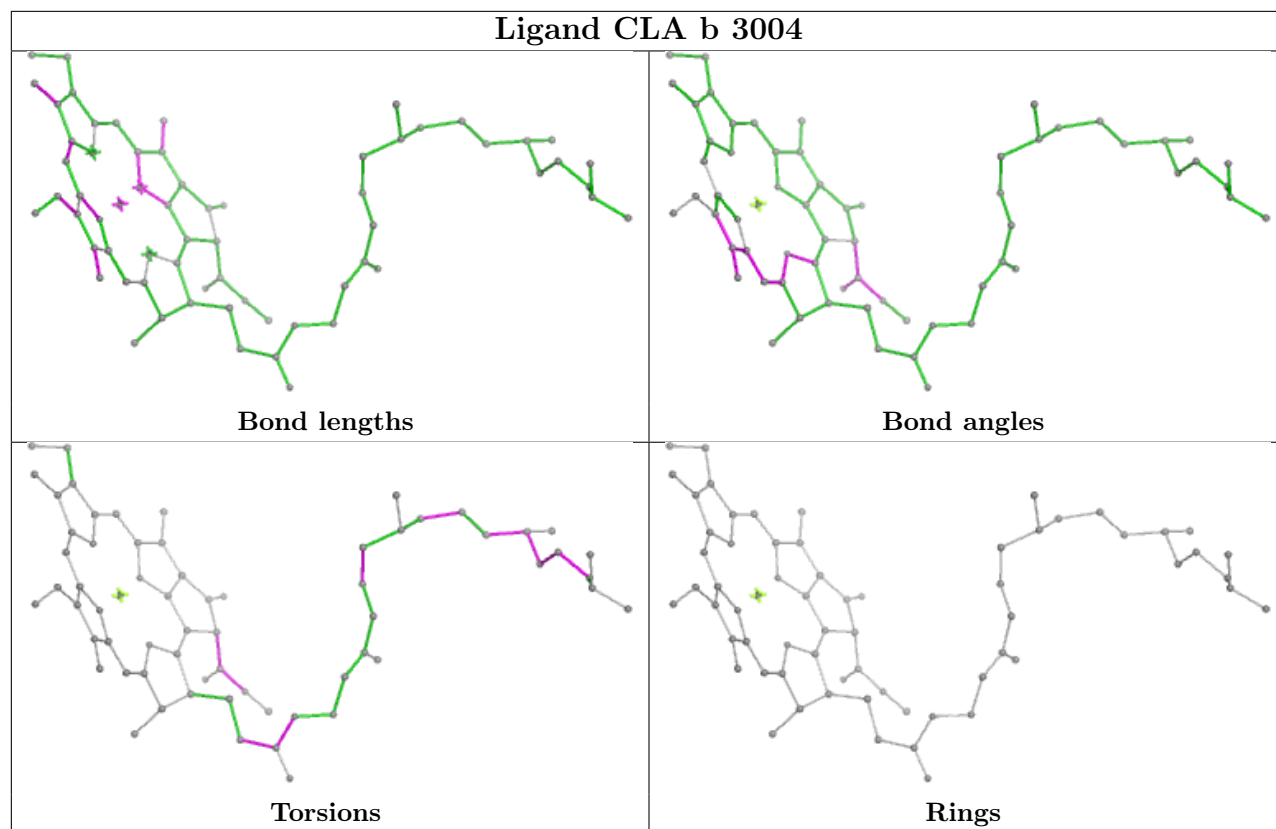


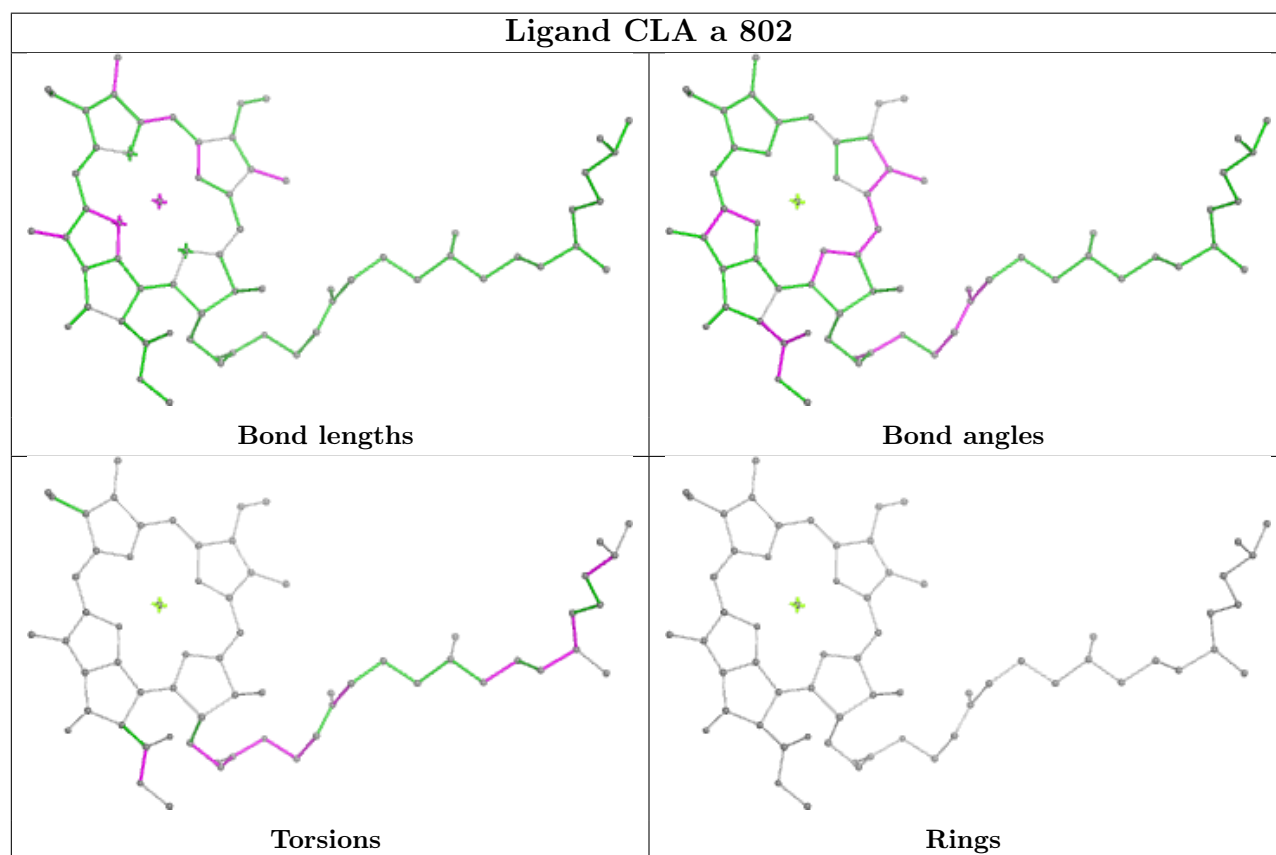
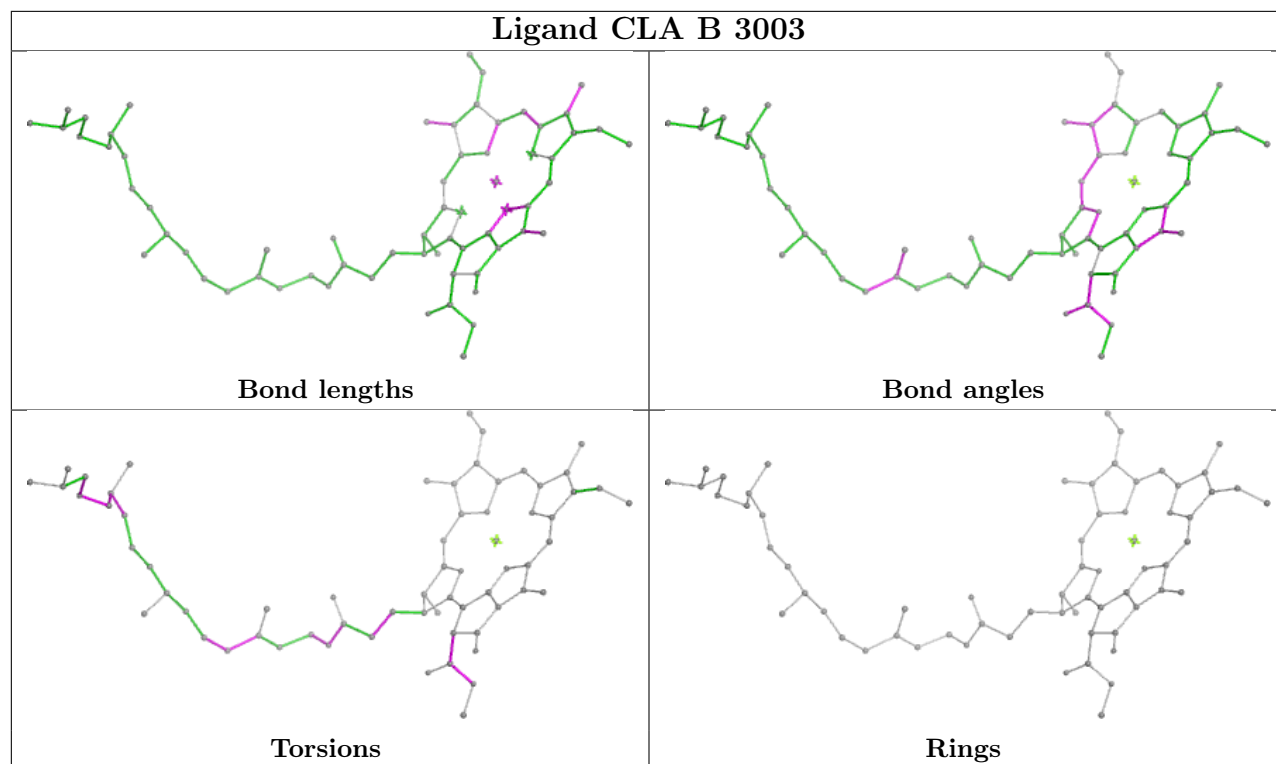
The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

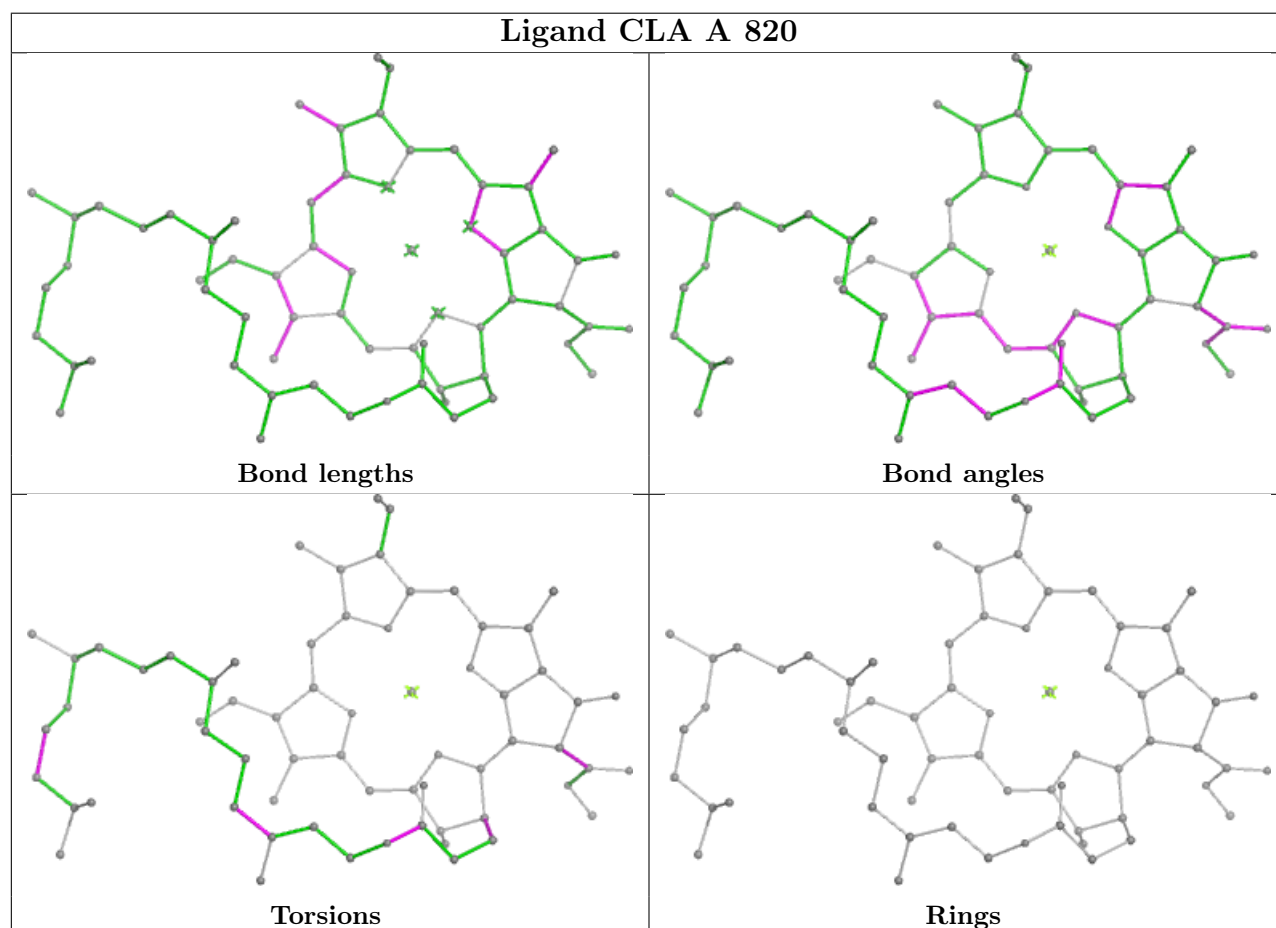
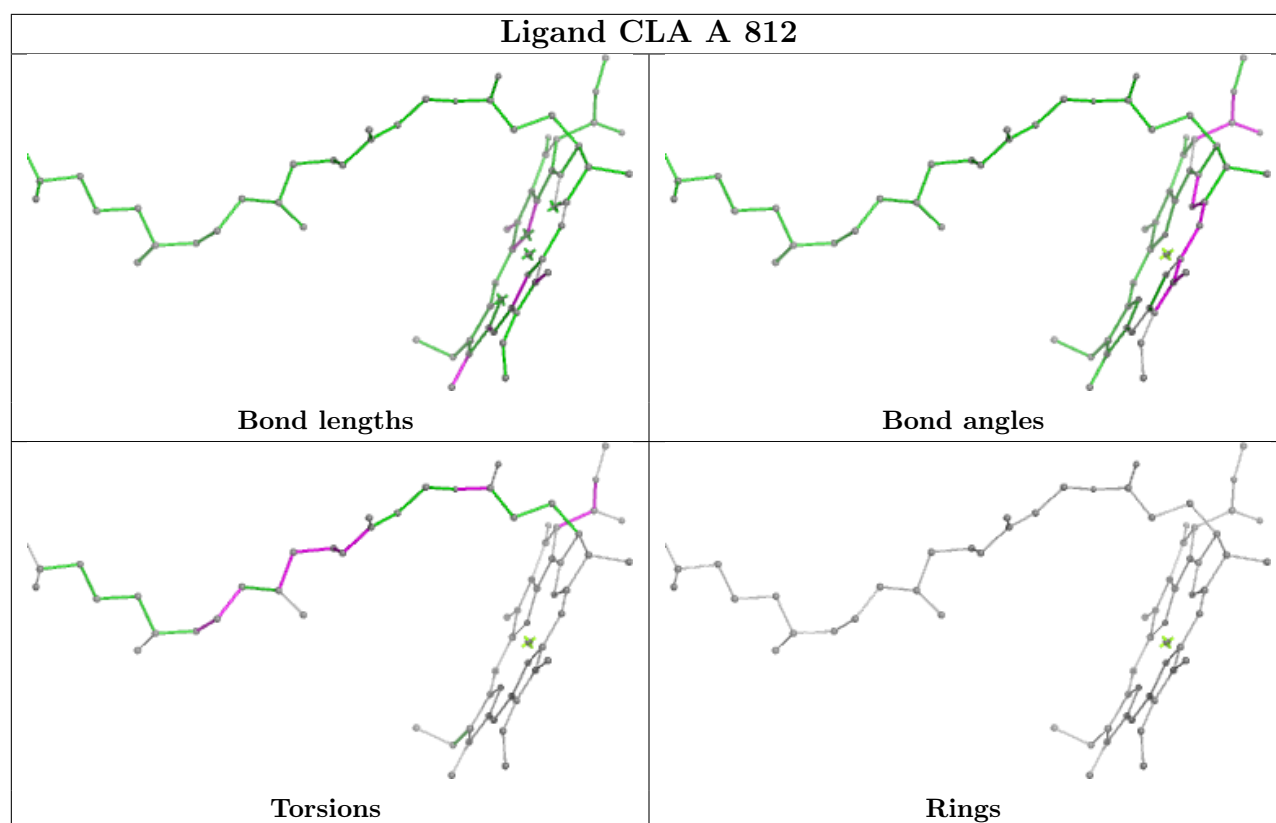


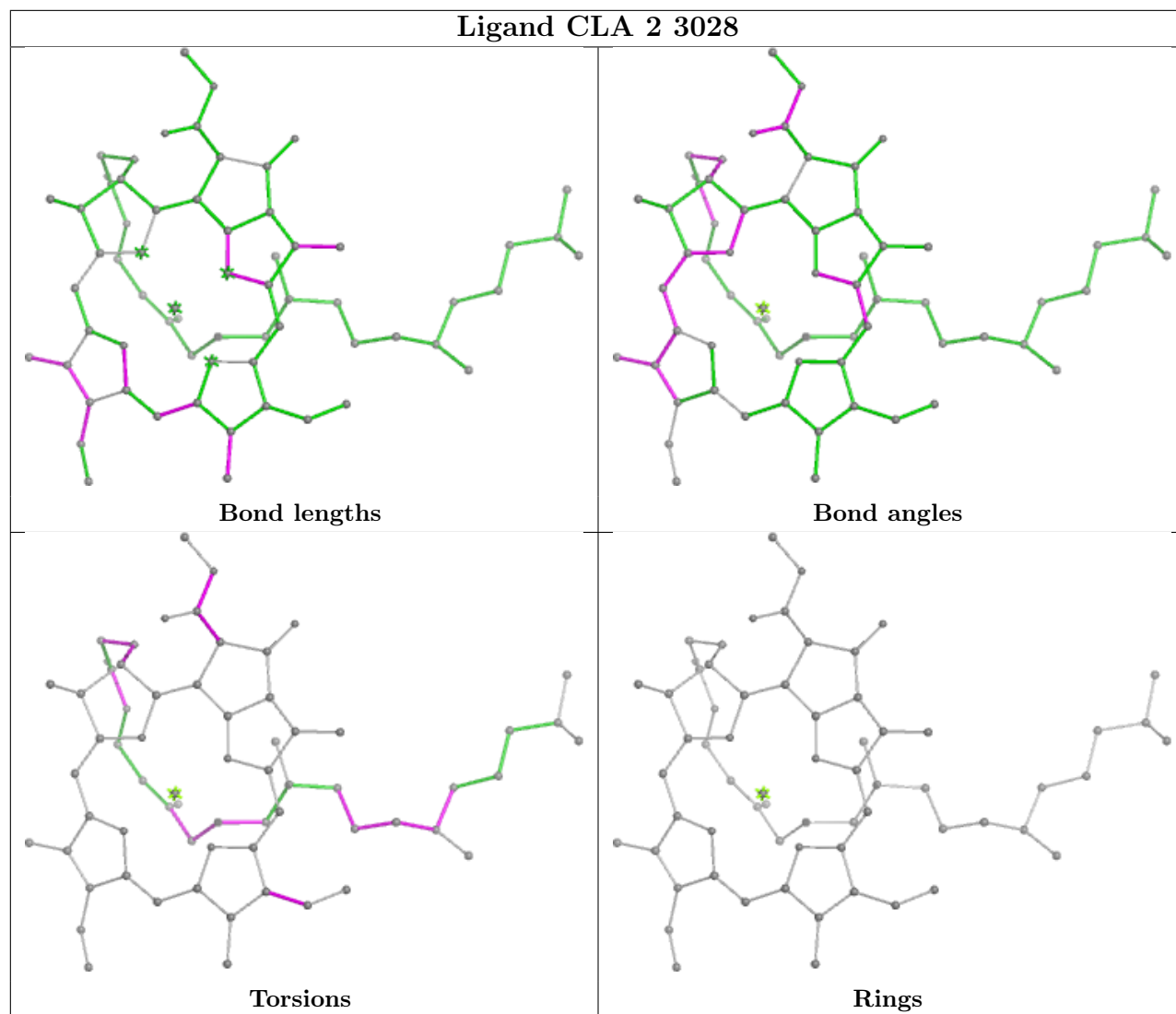


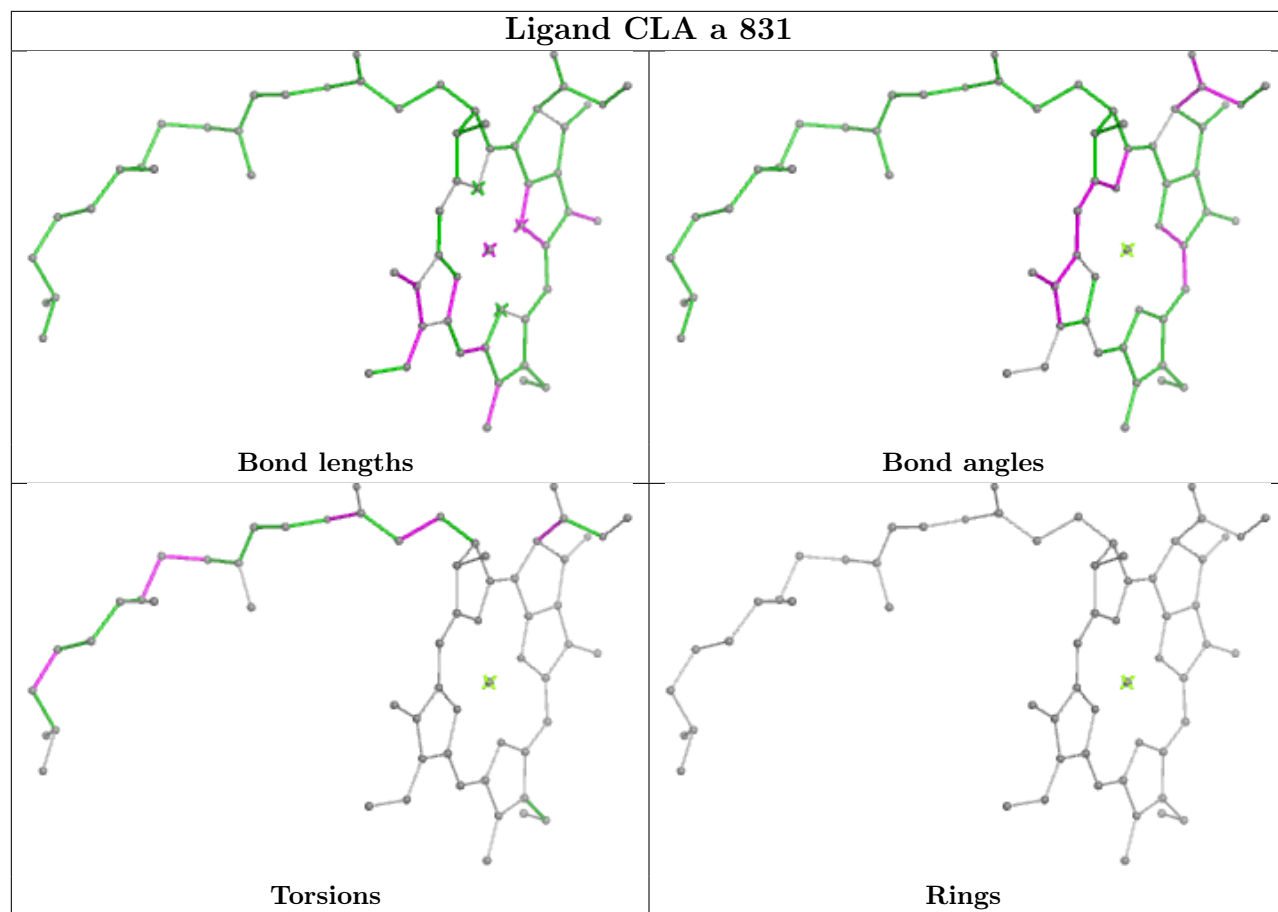




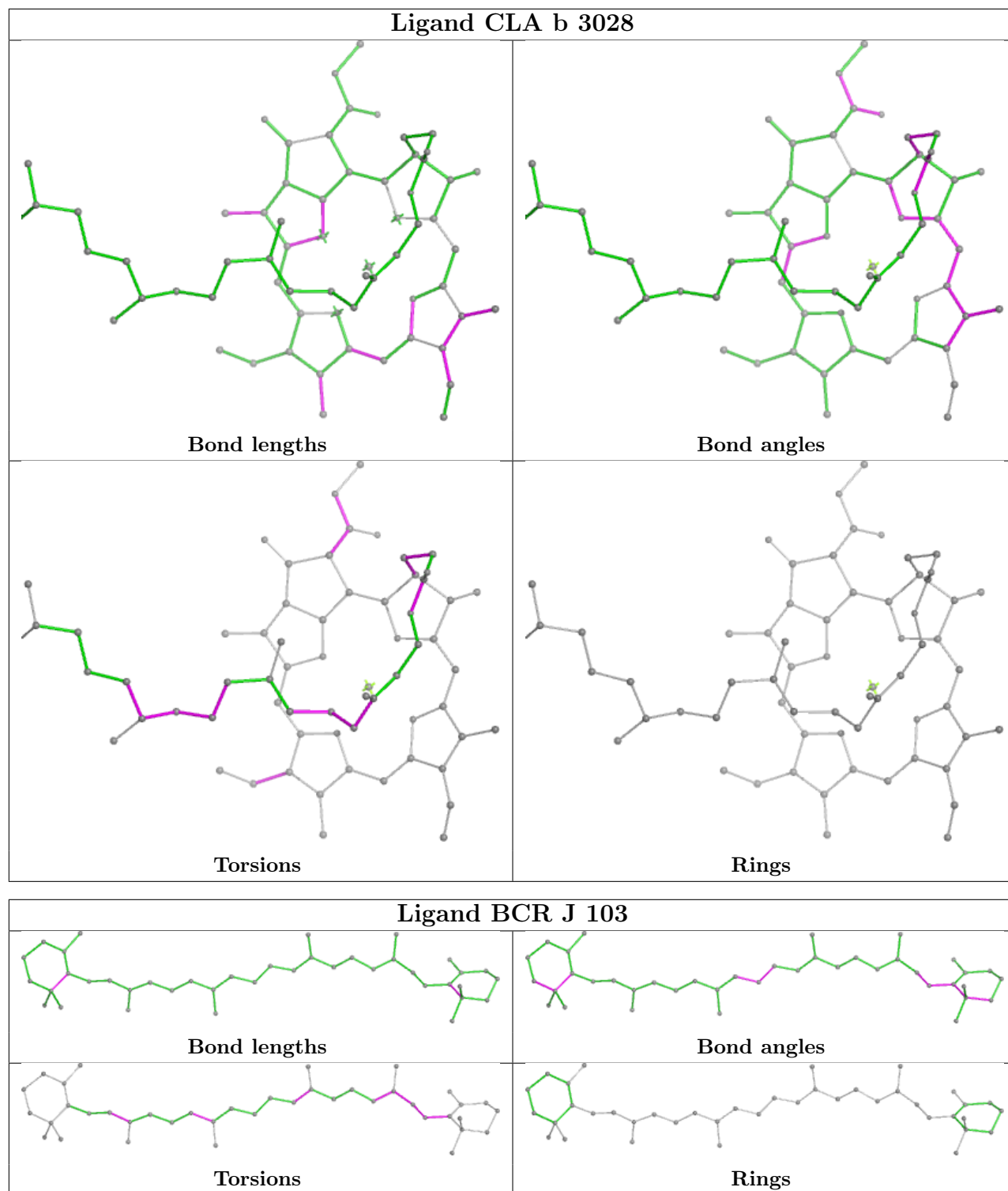


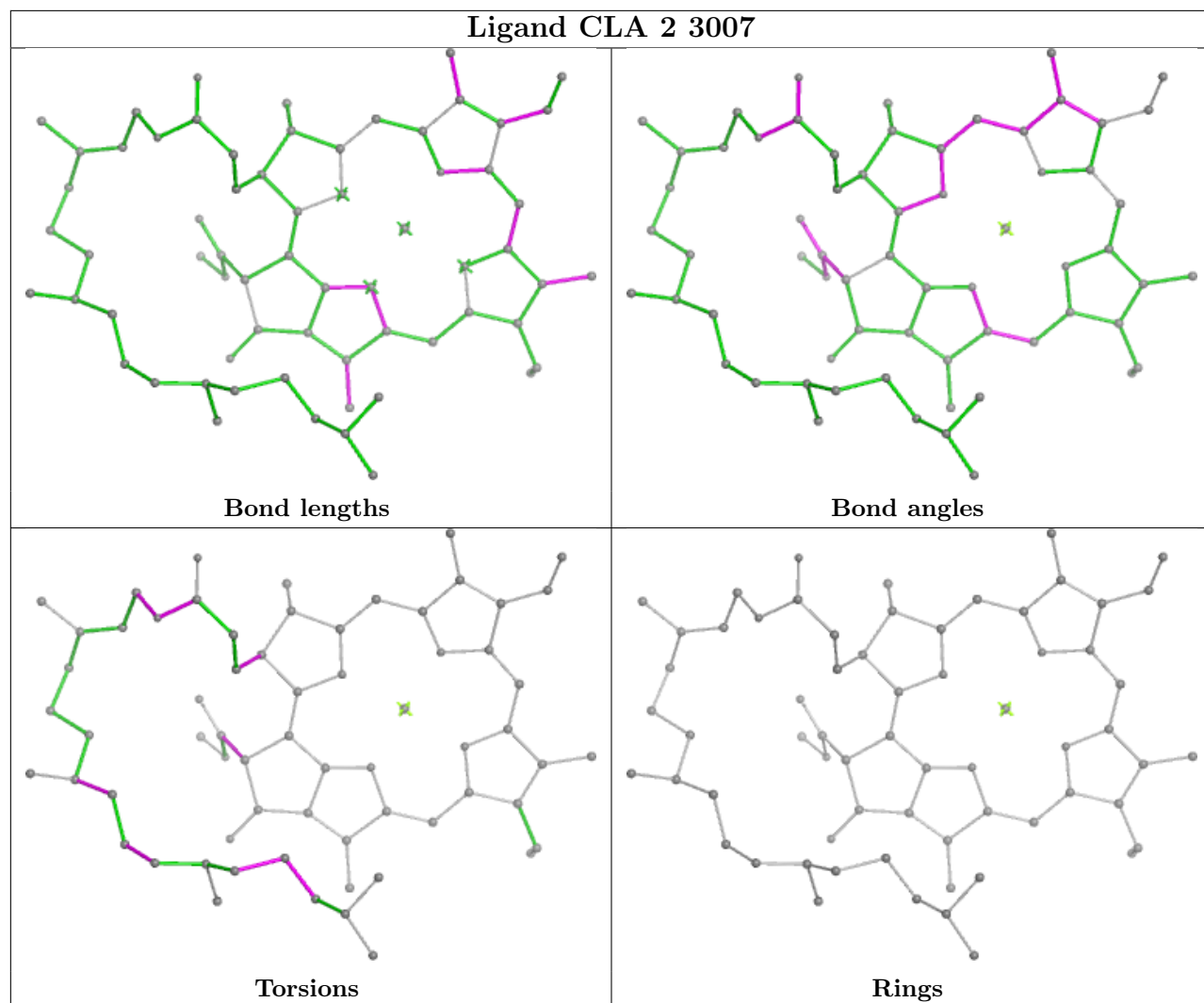


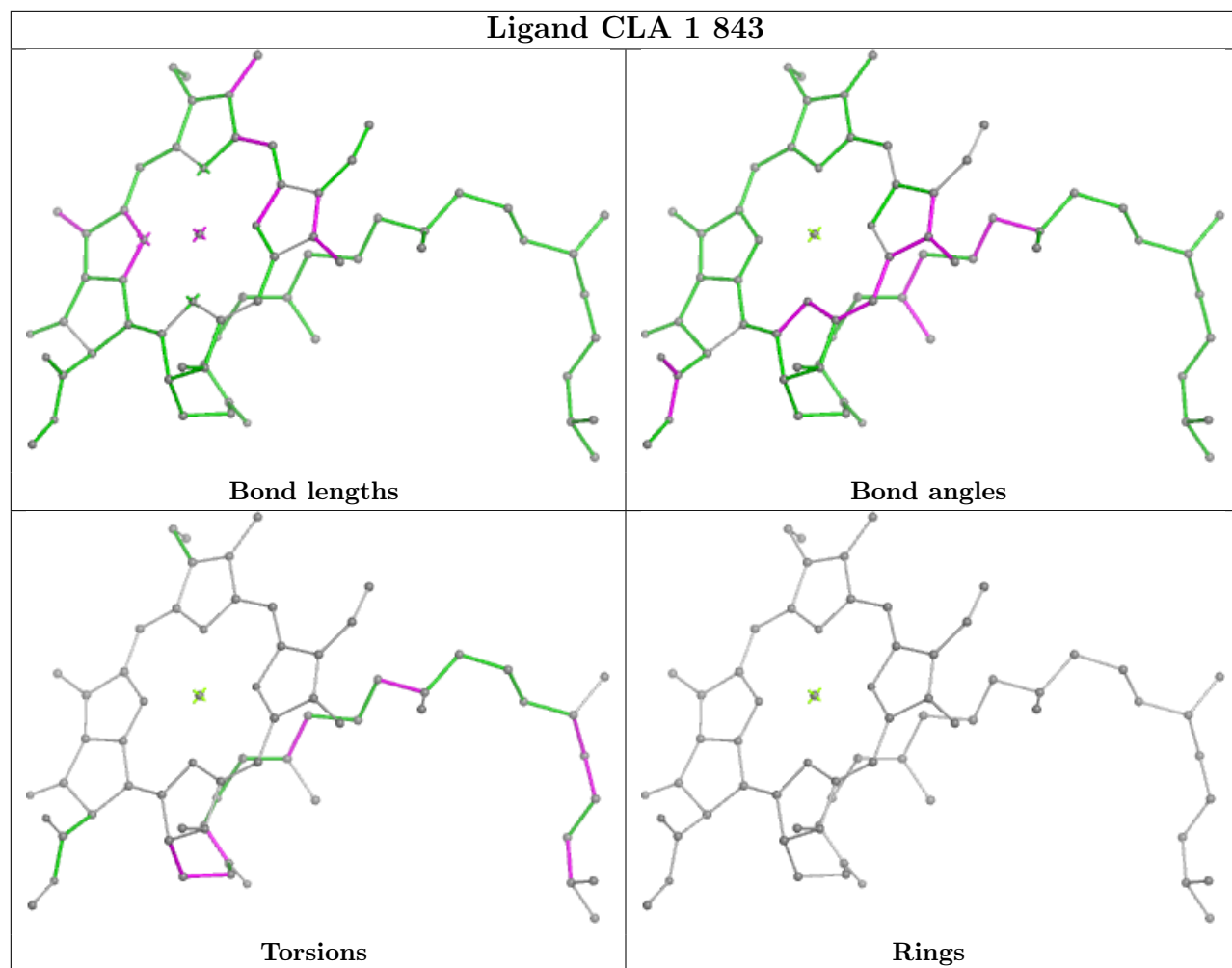


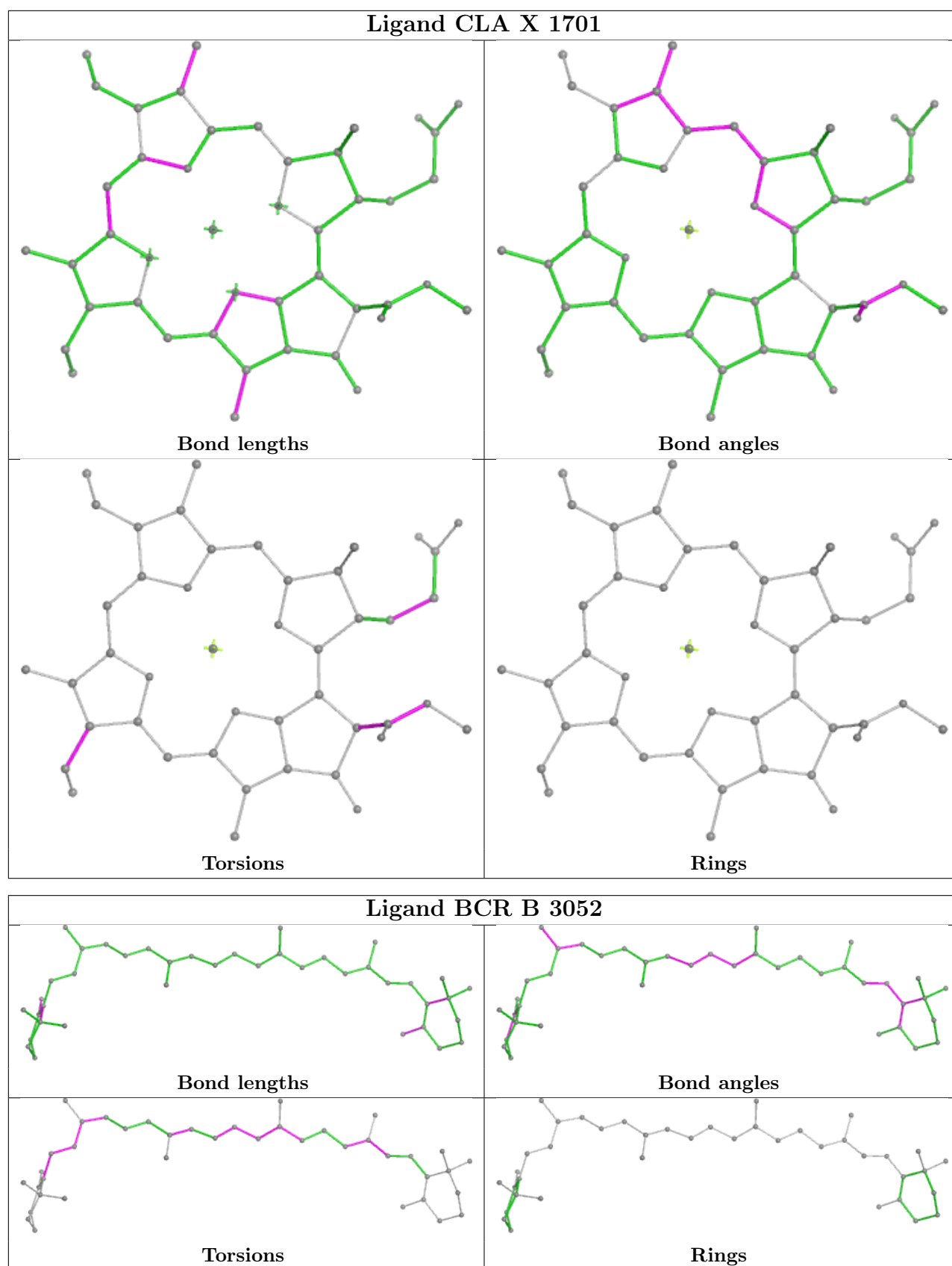


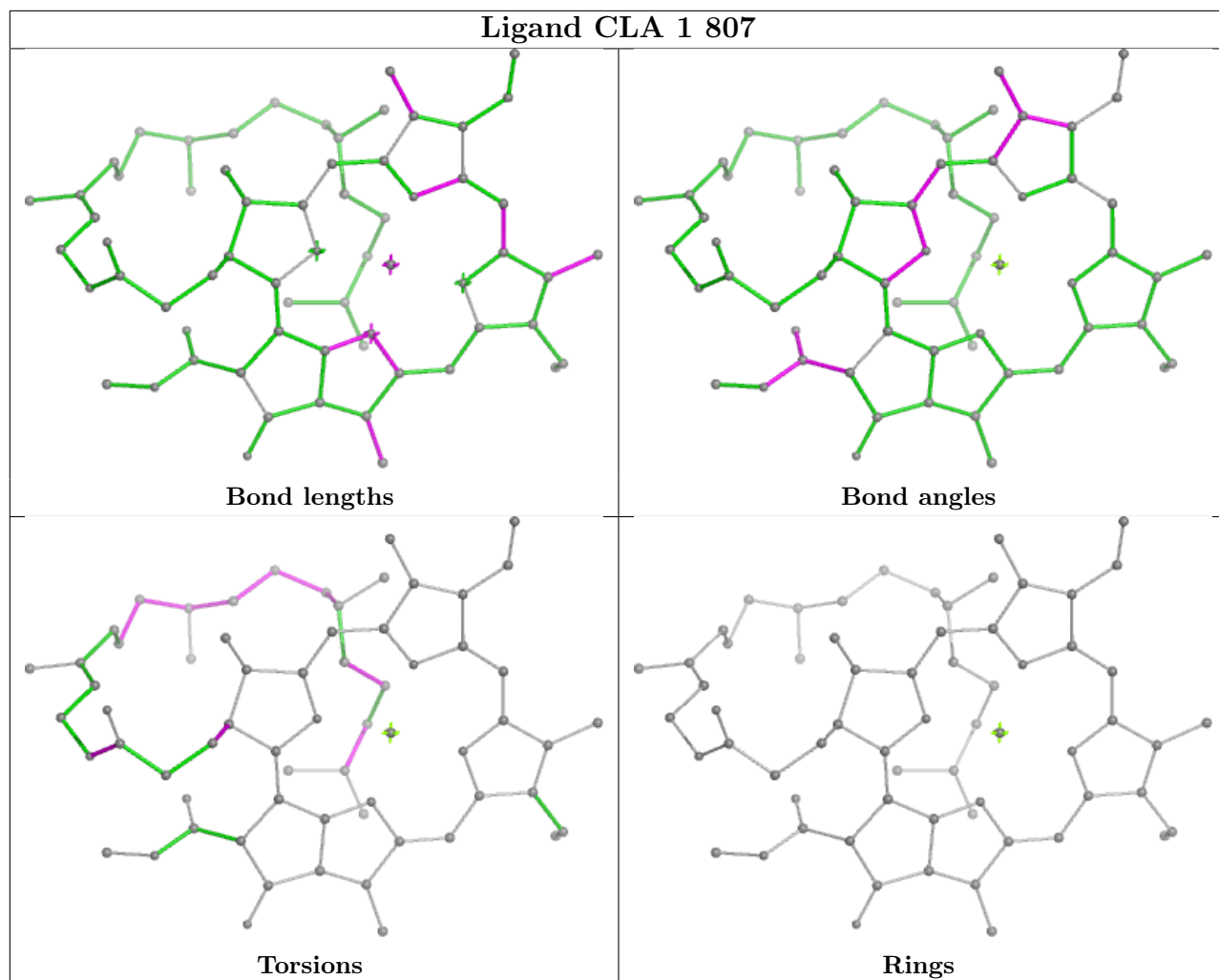


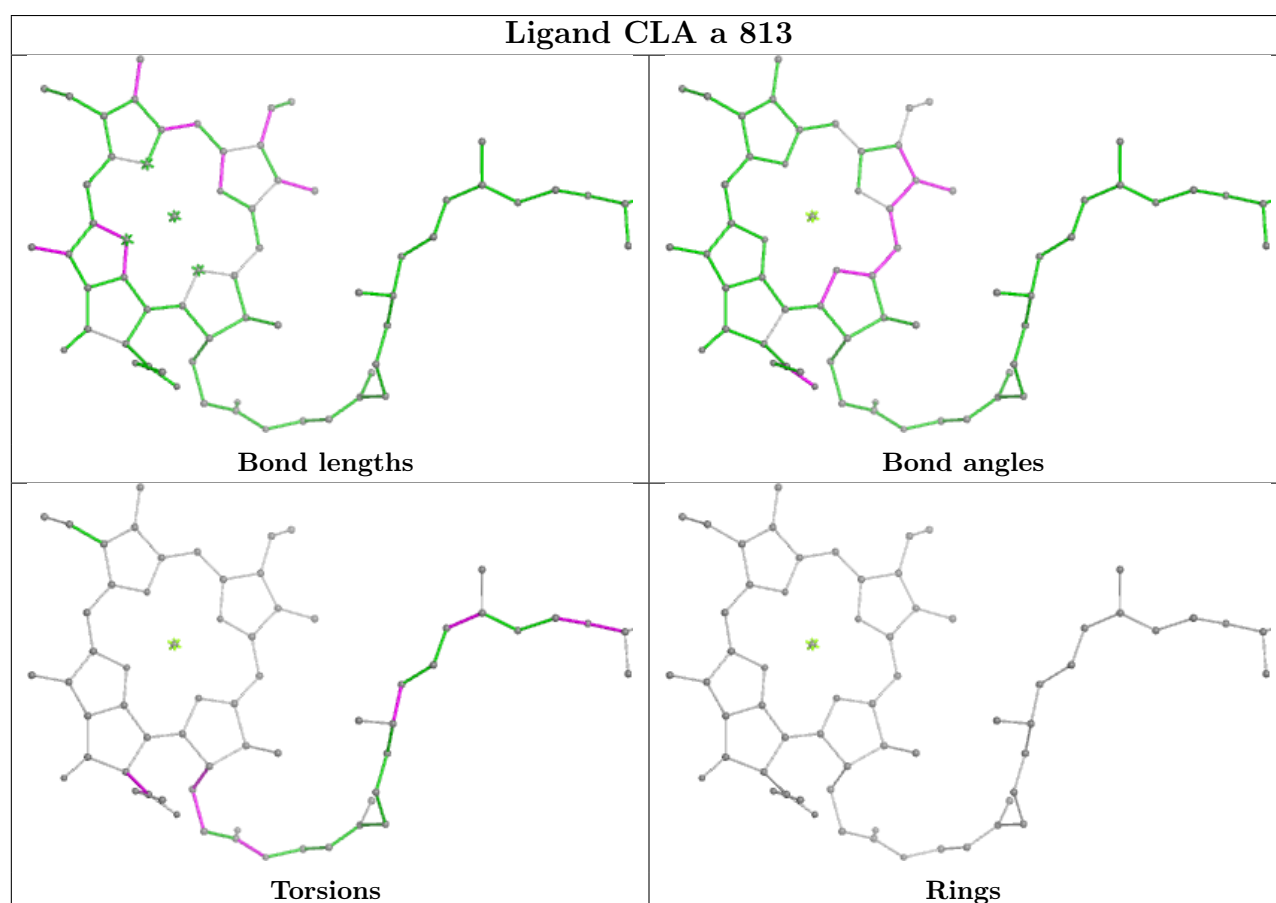
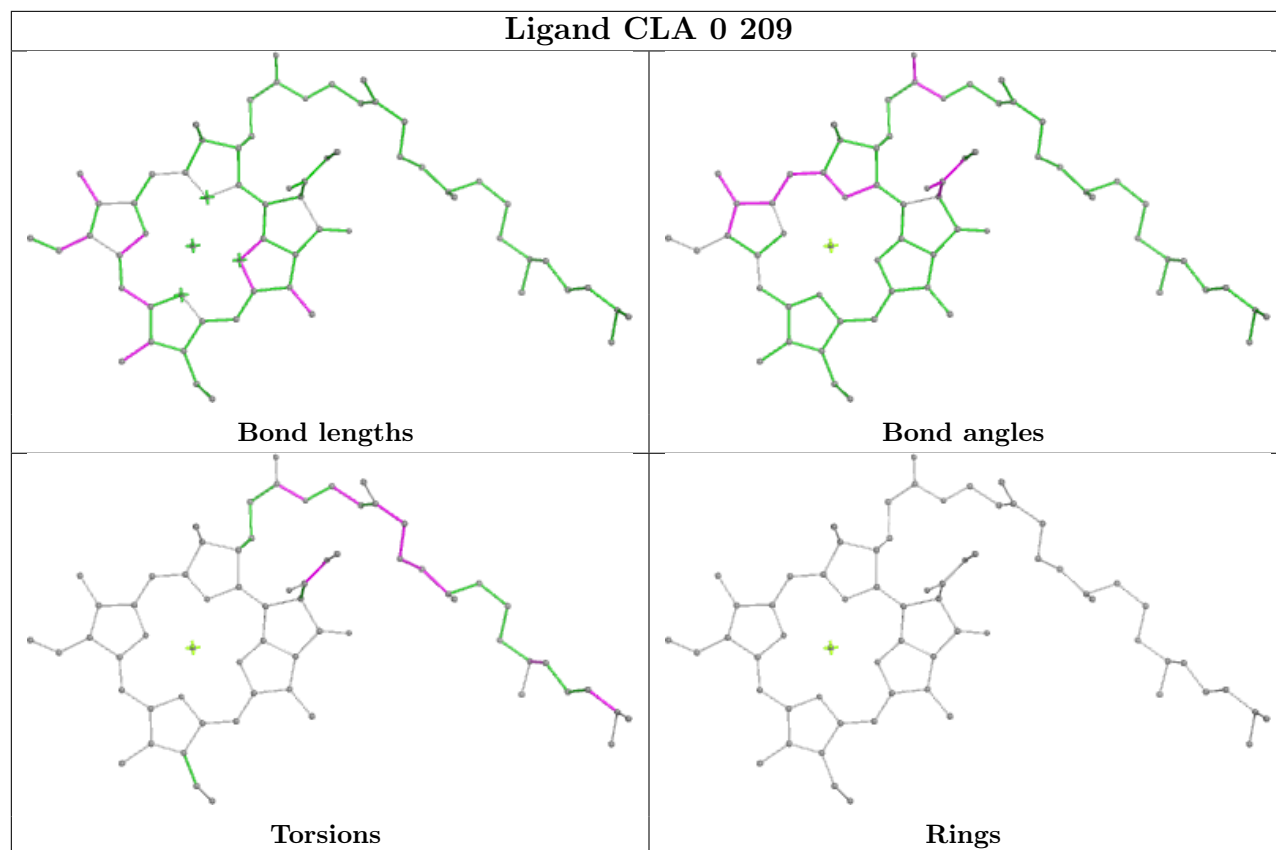


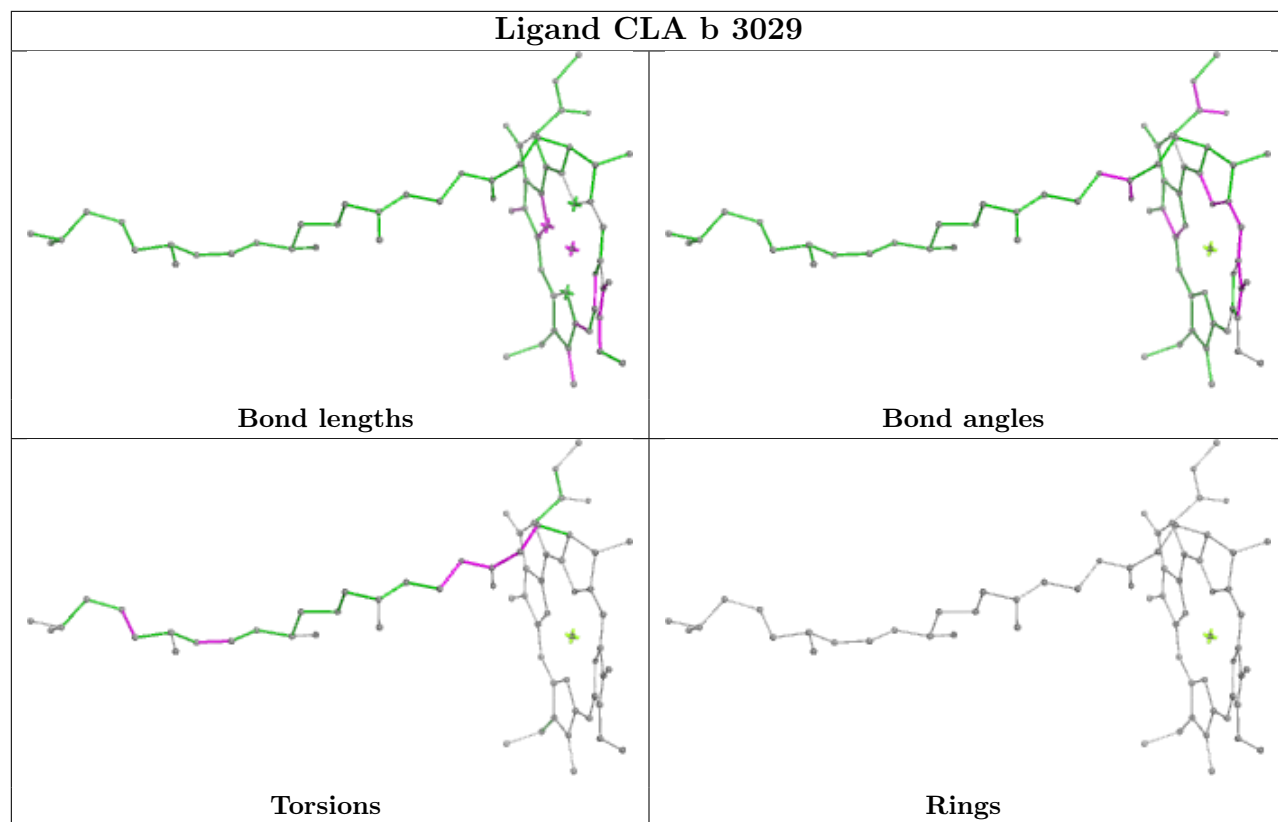


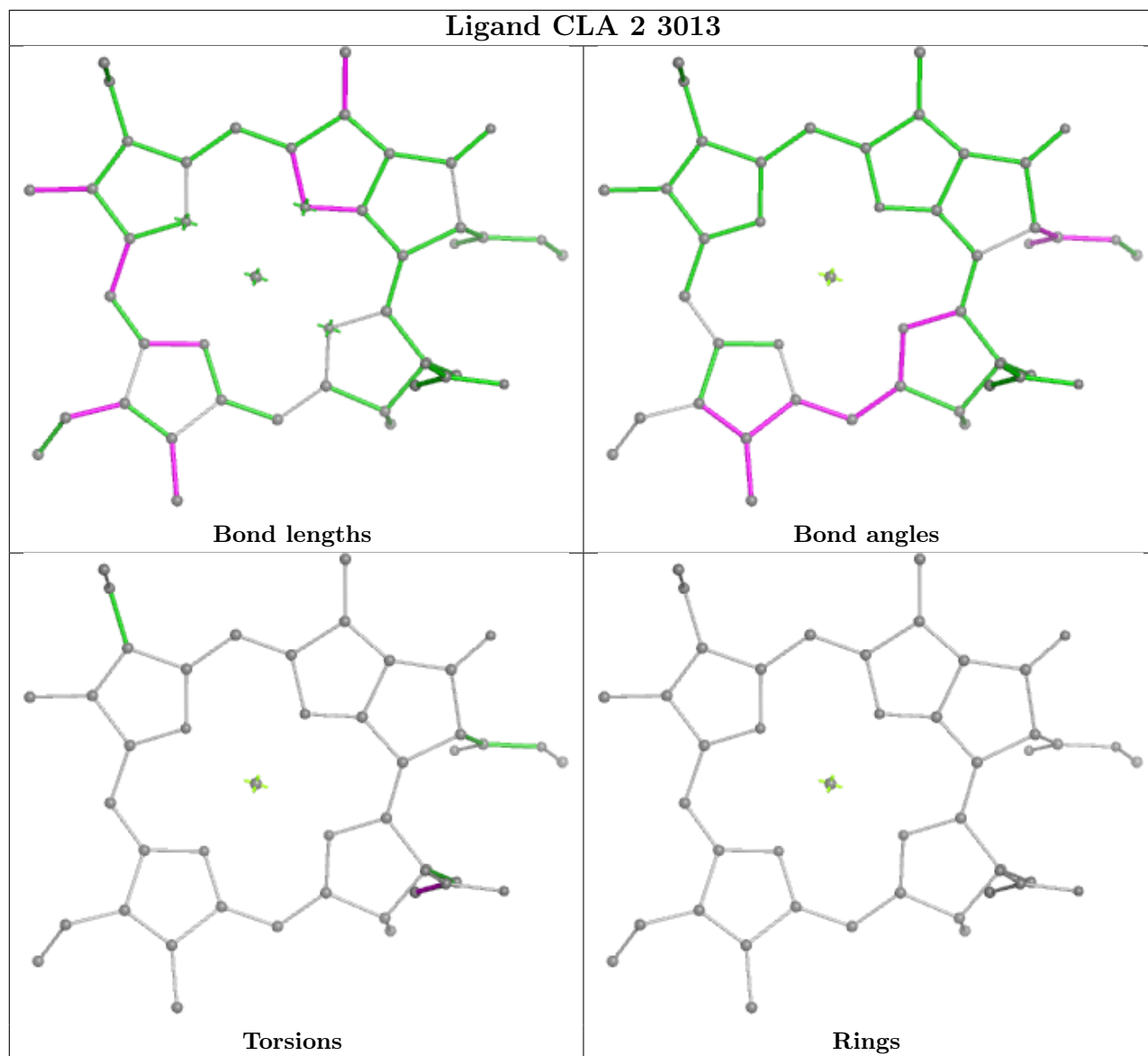




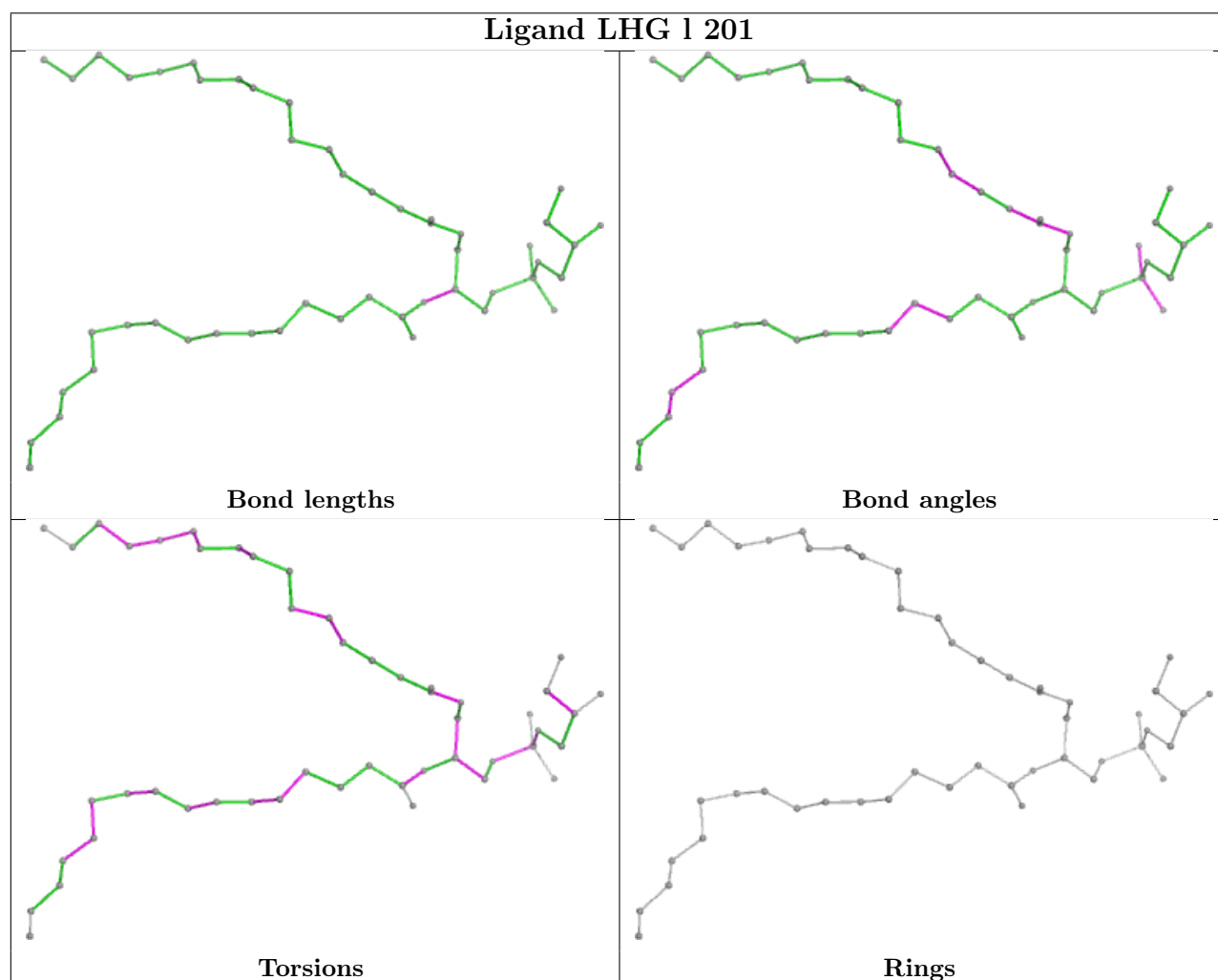
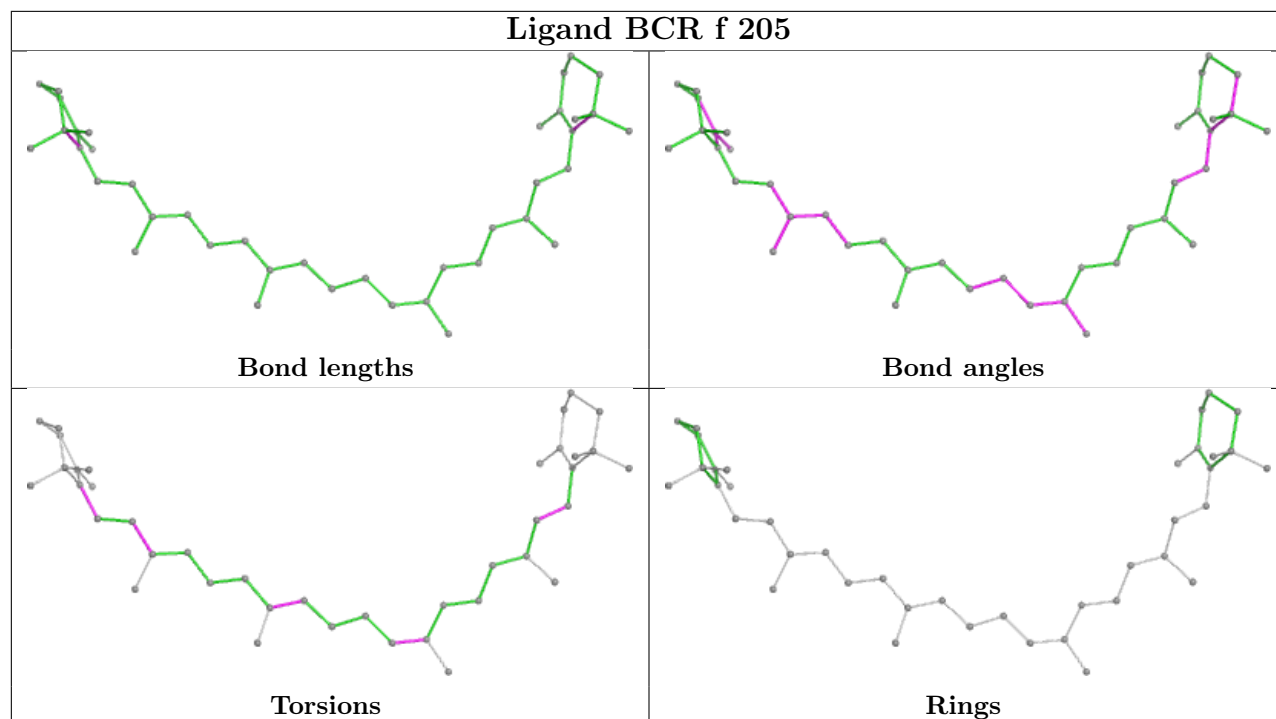


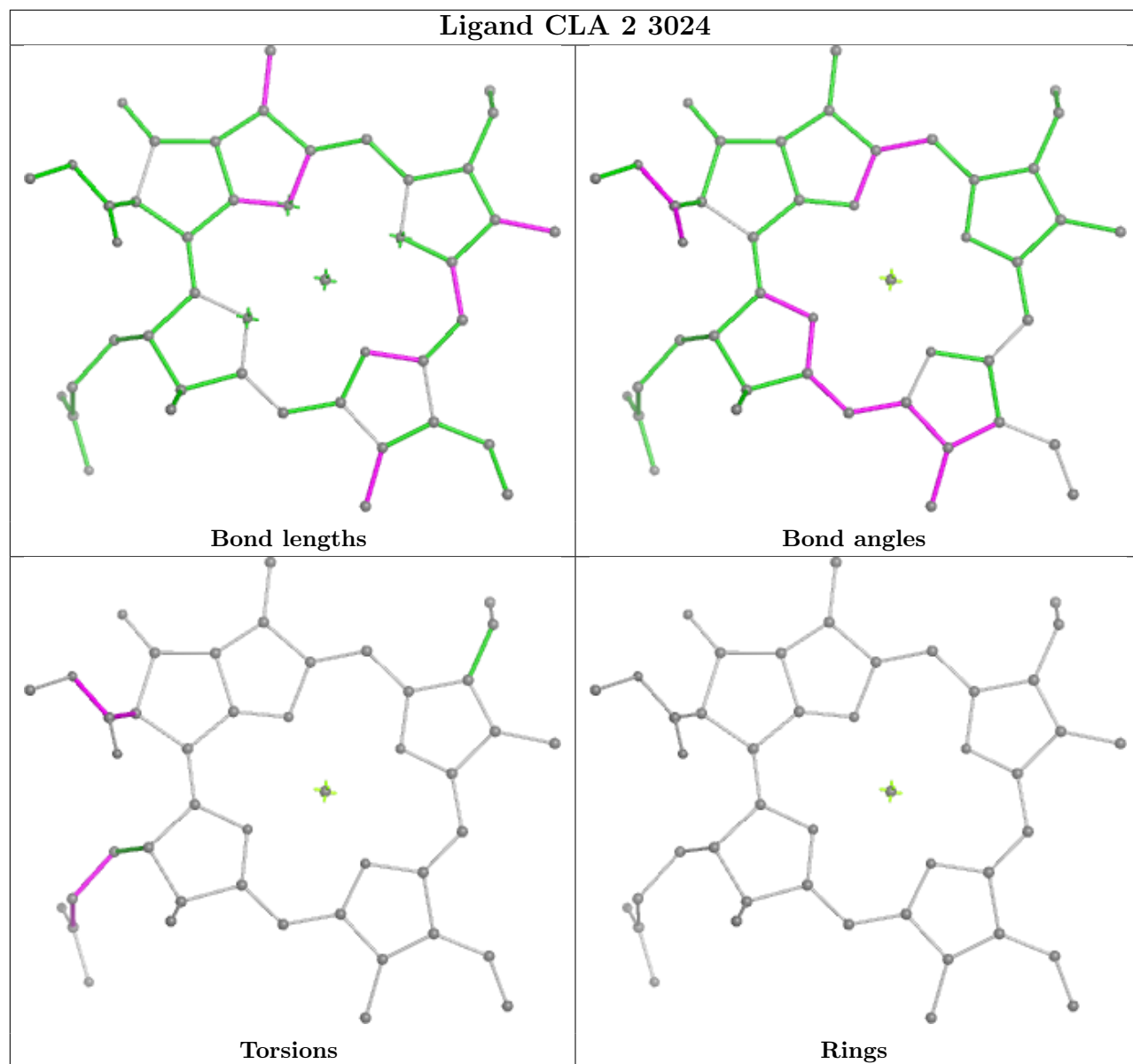


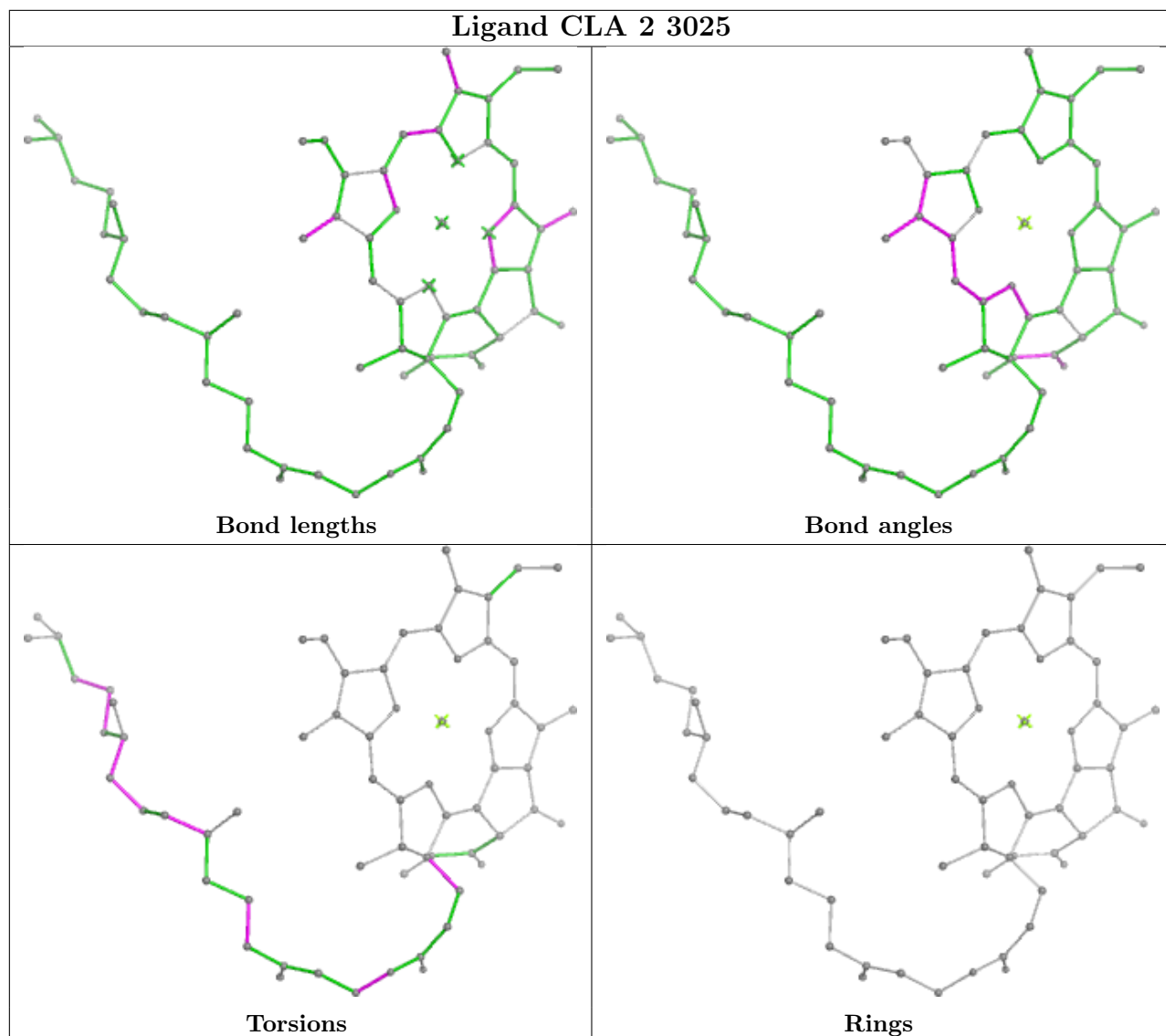


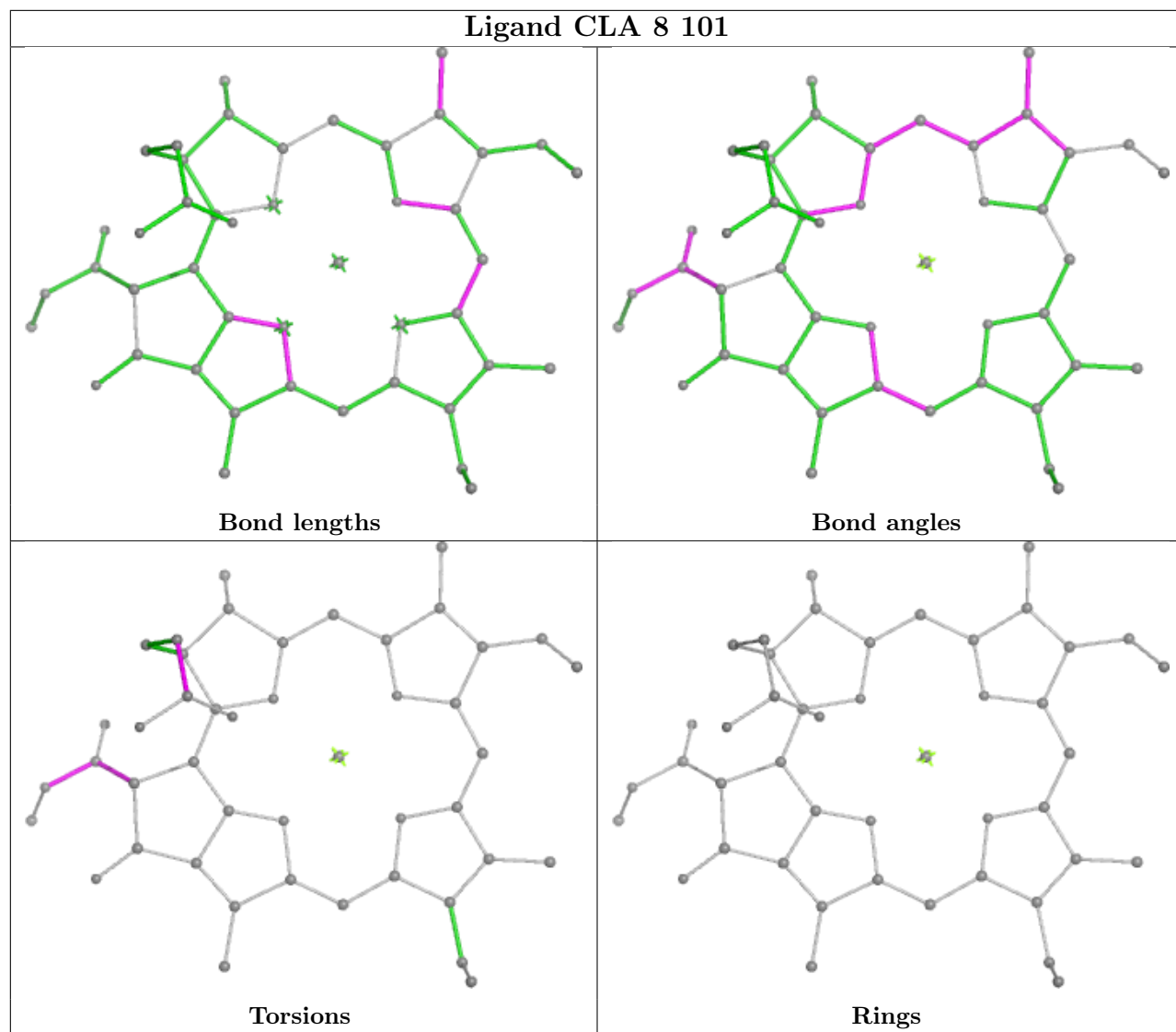


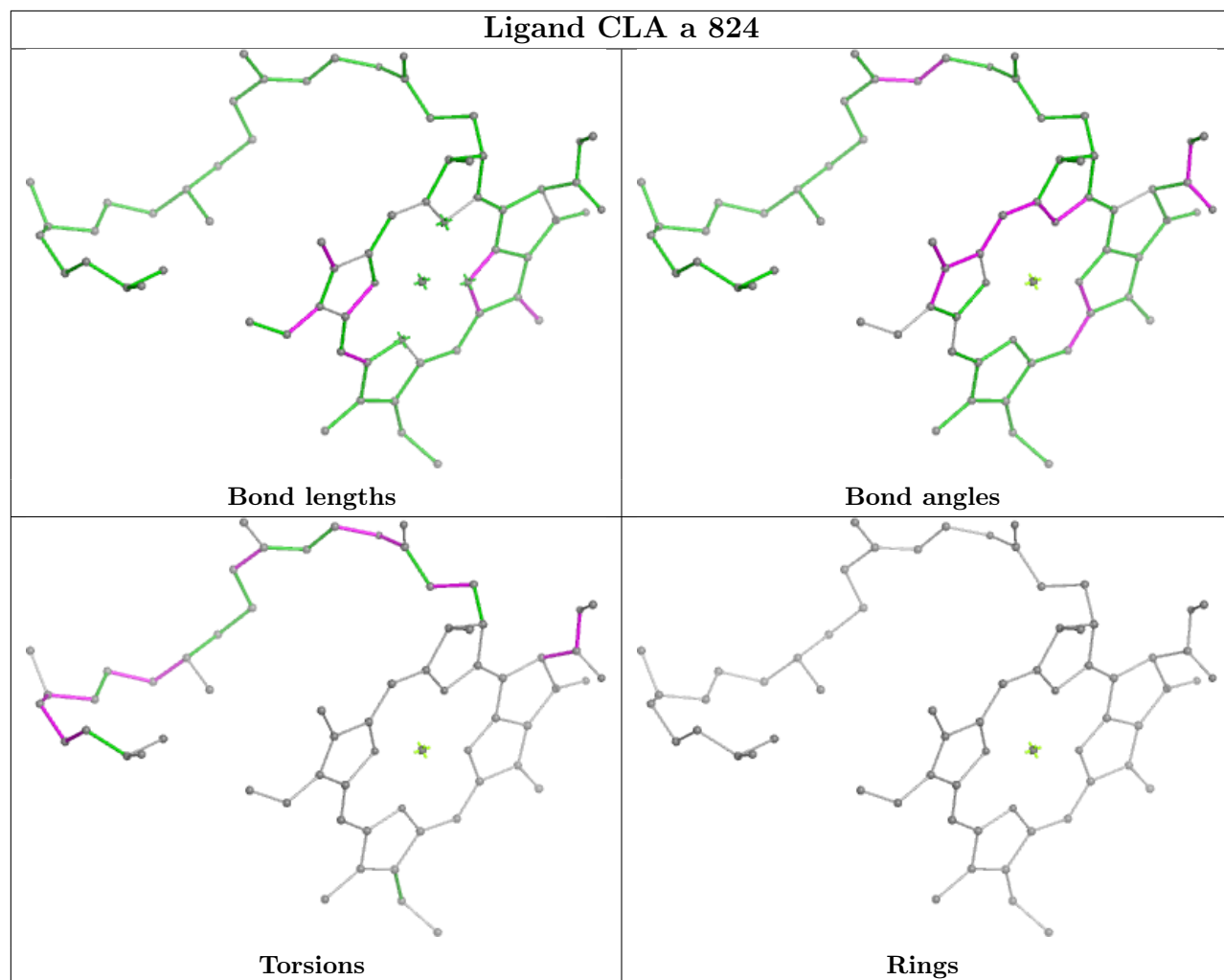


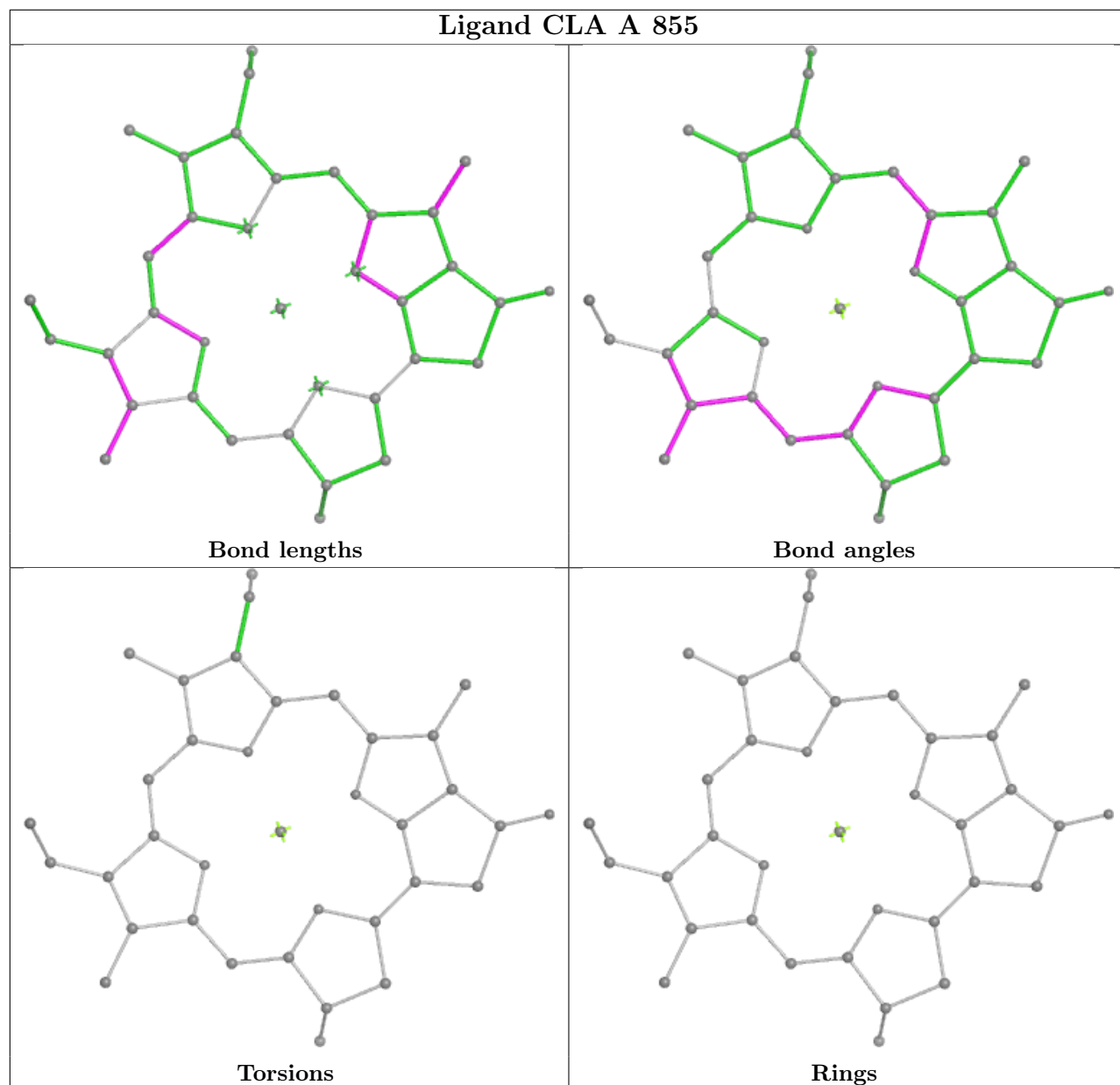


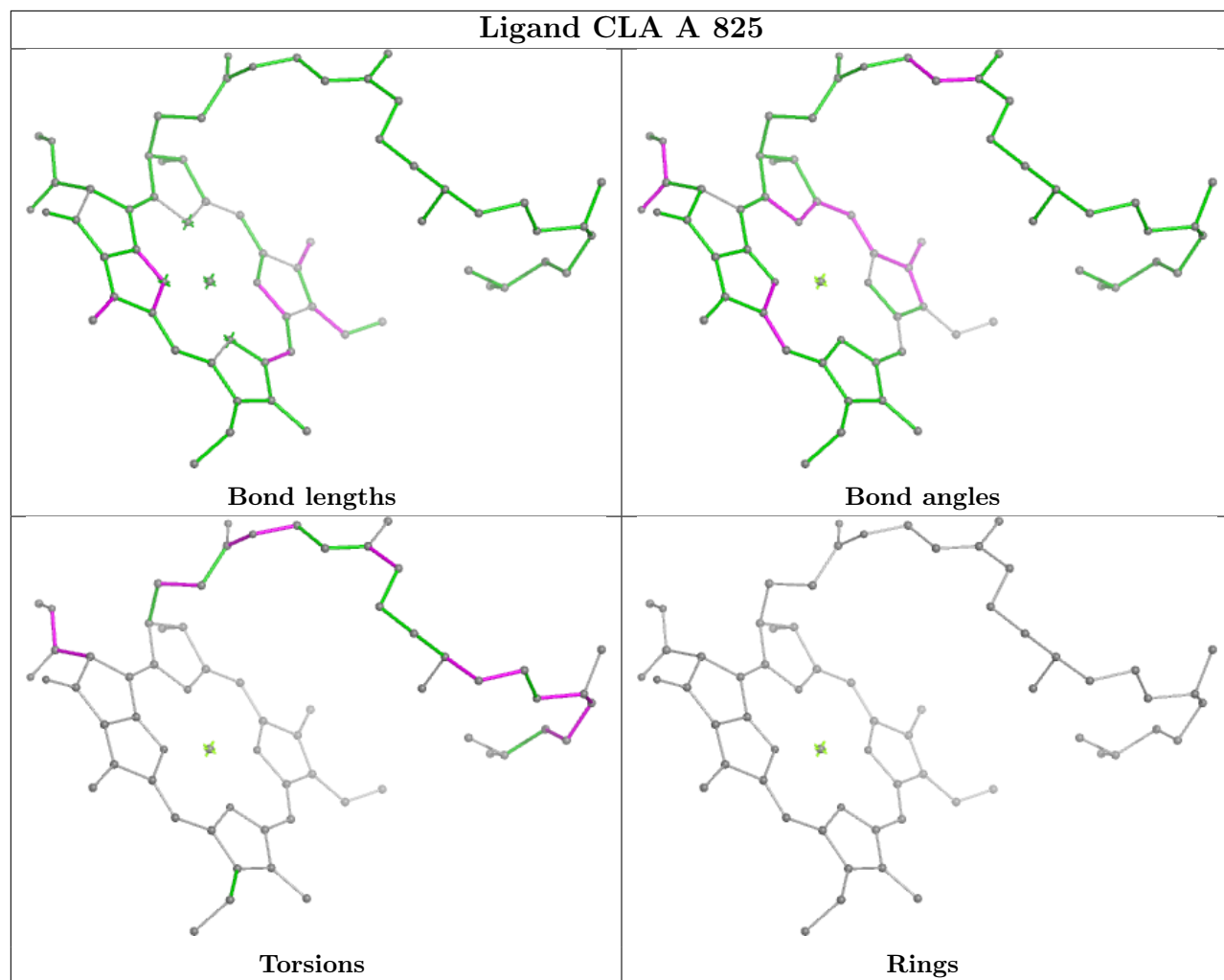


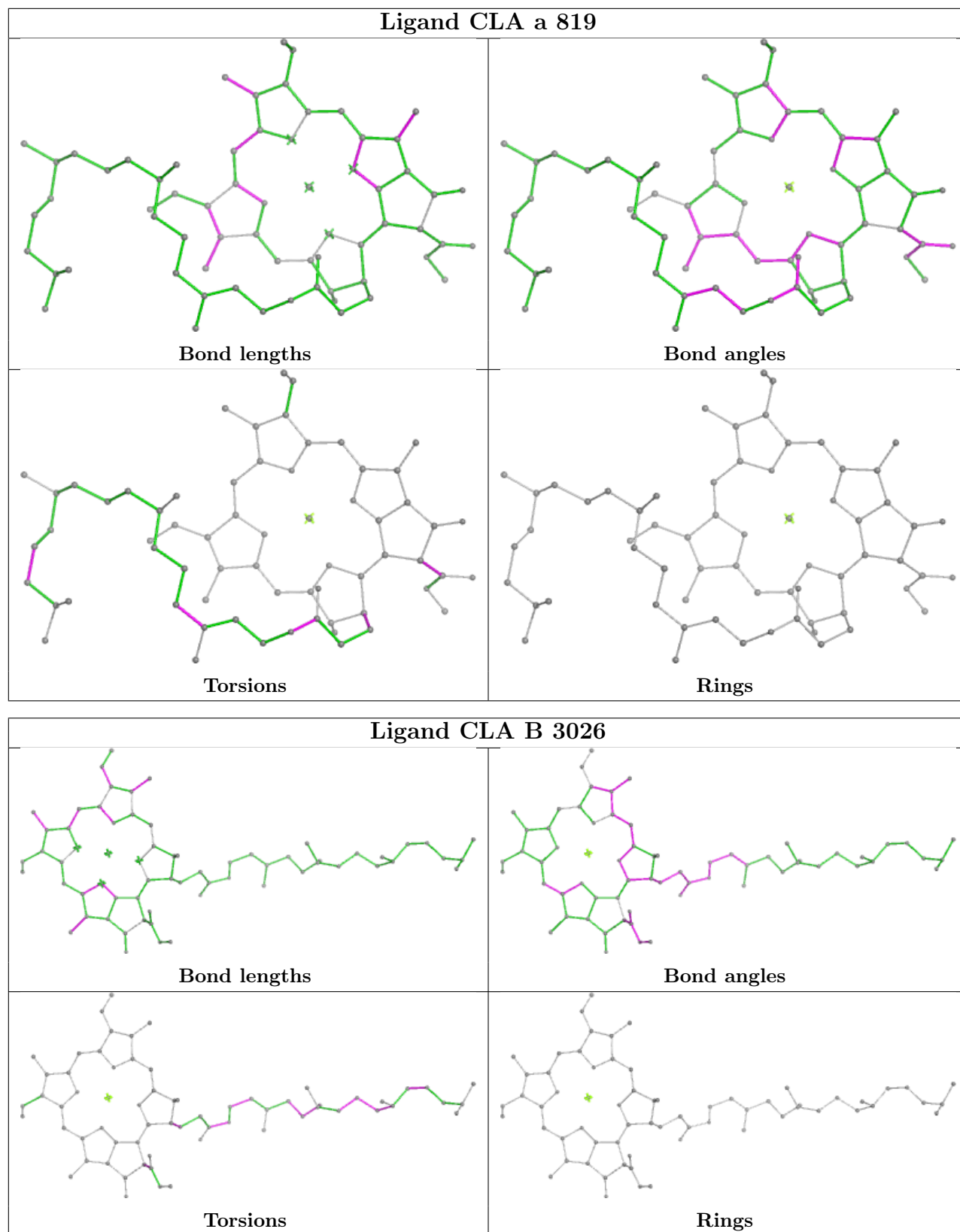




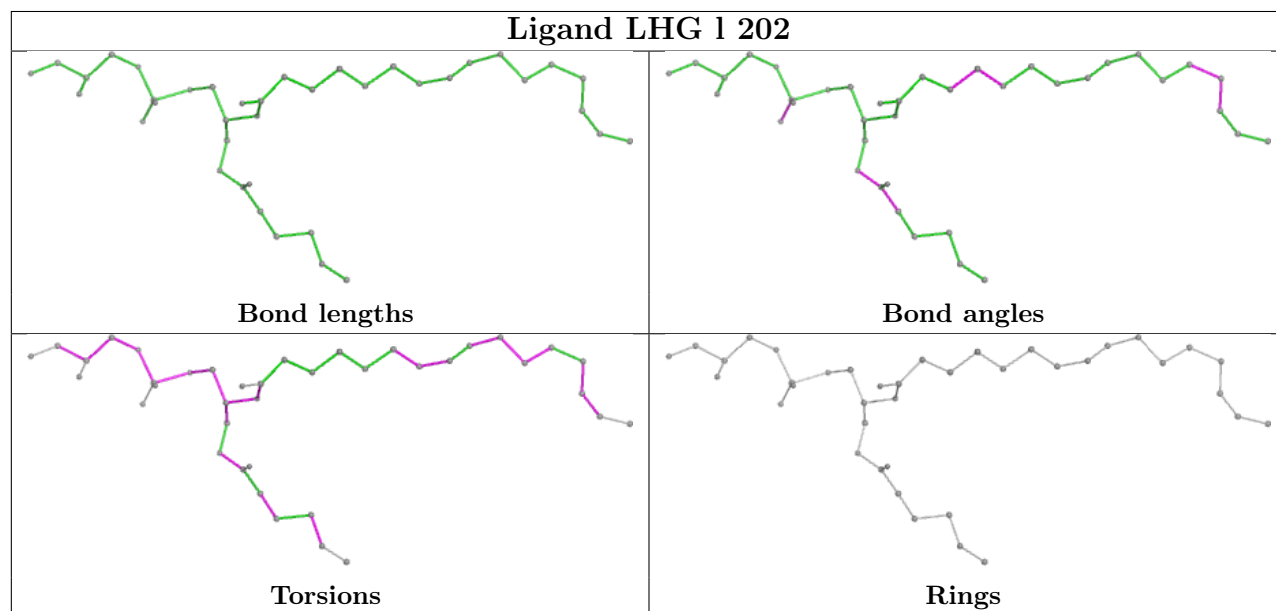
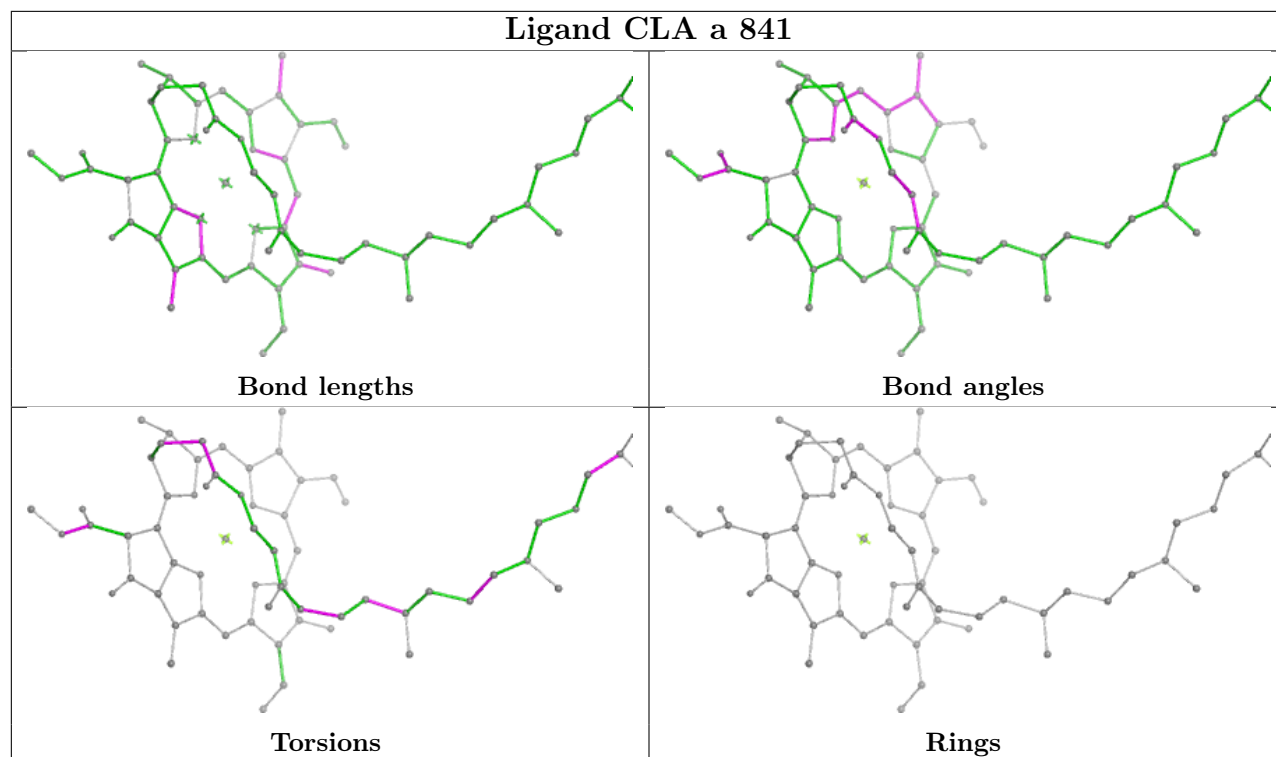


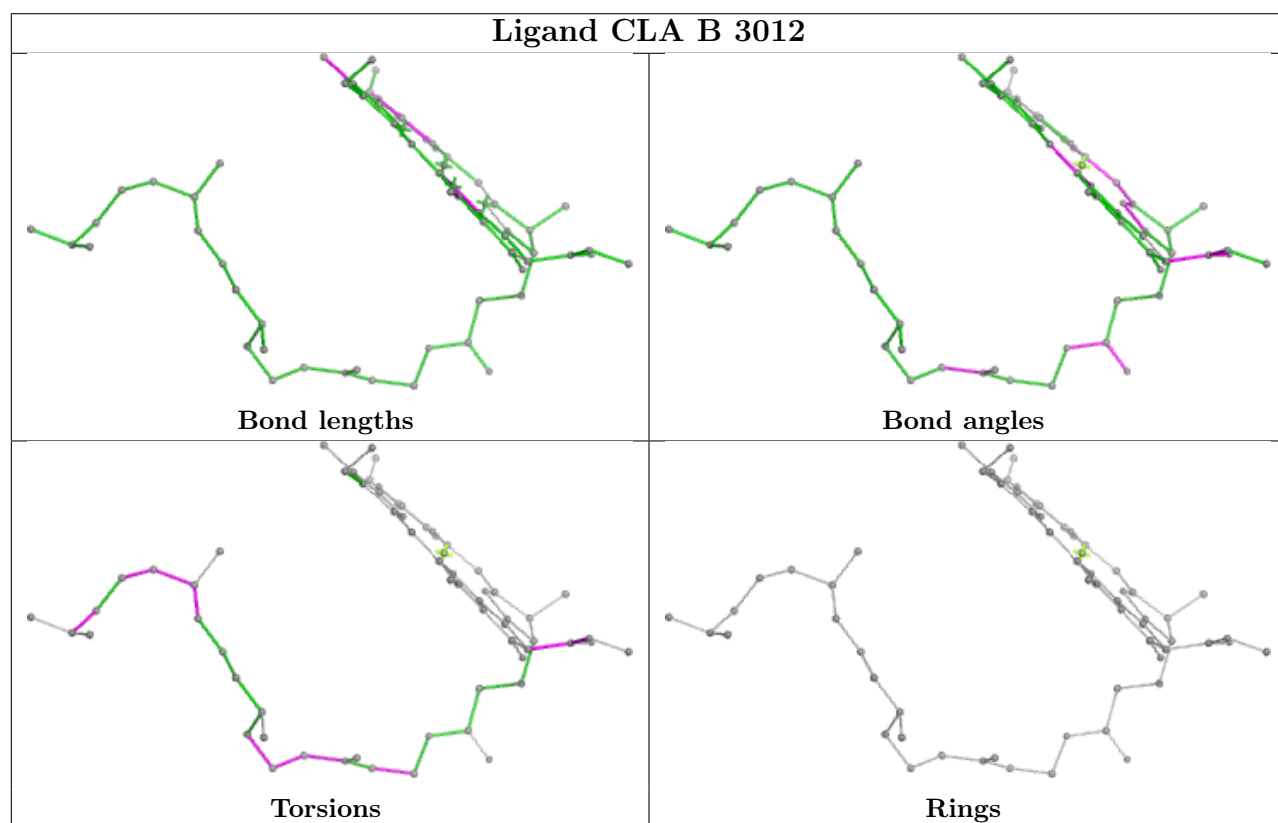
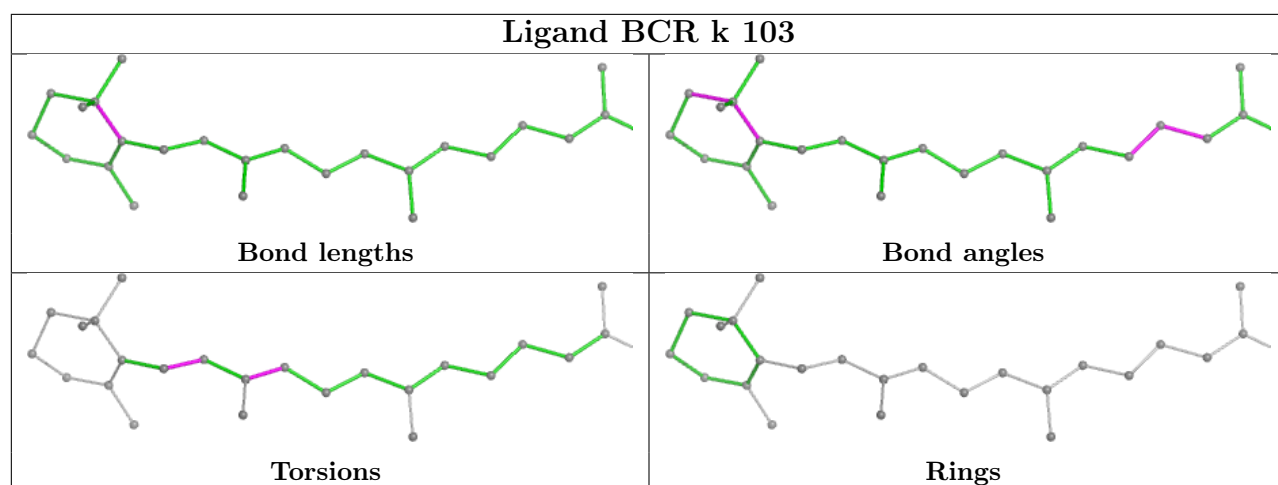


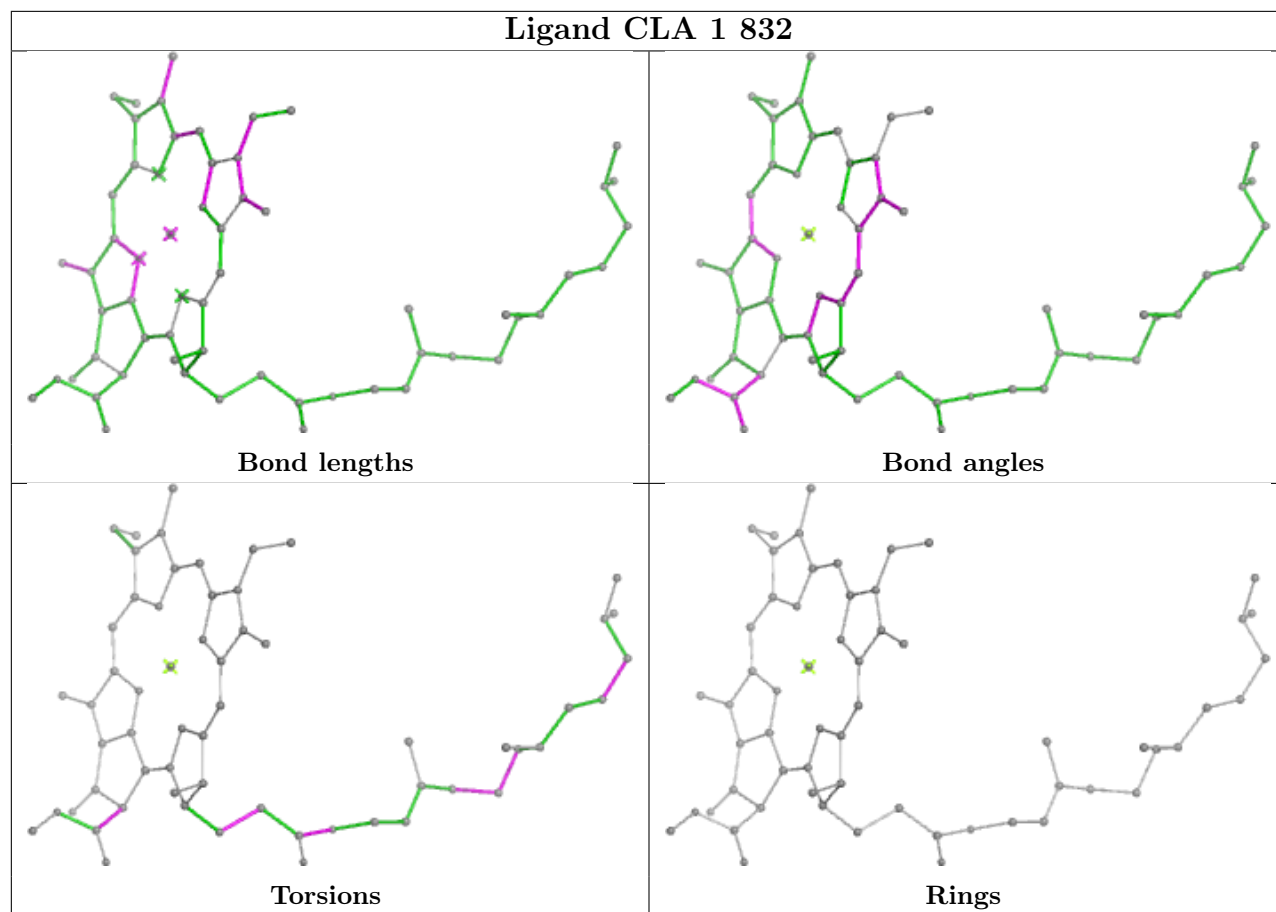


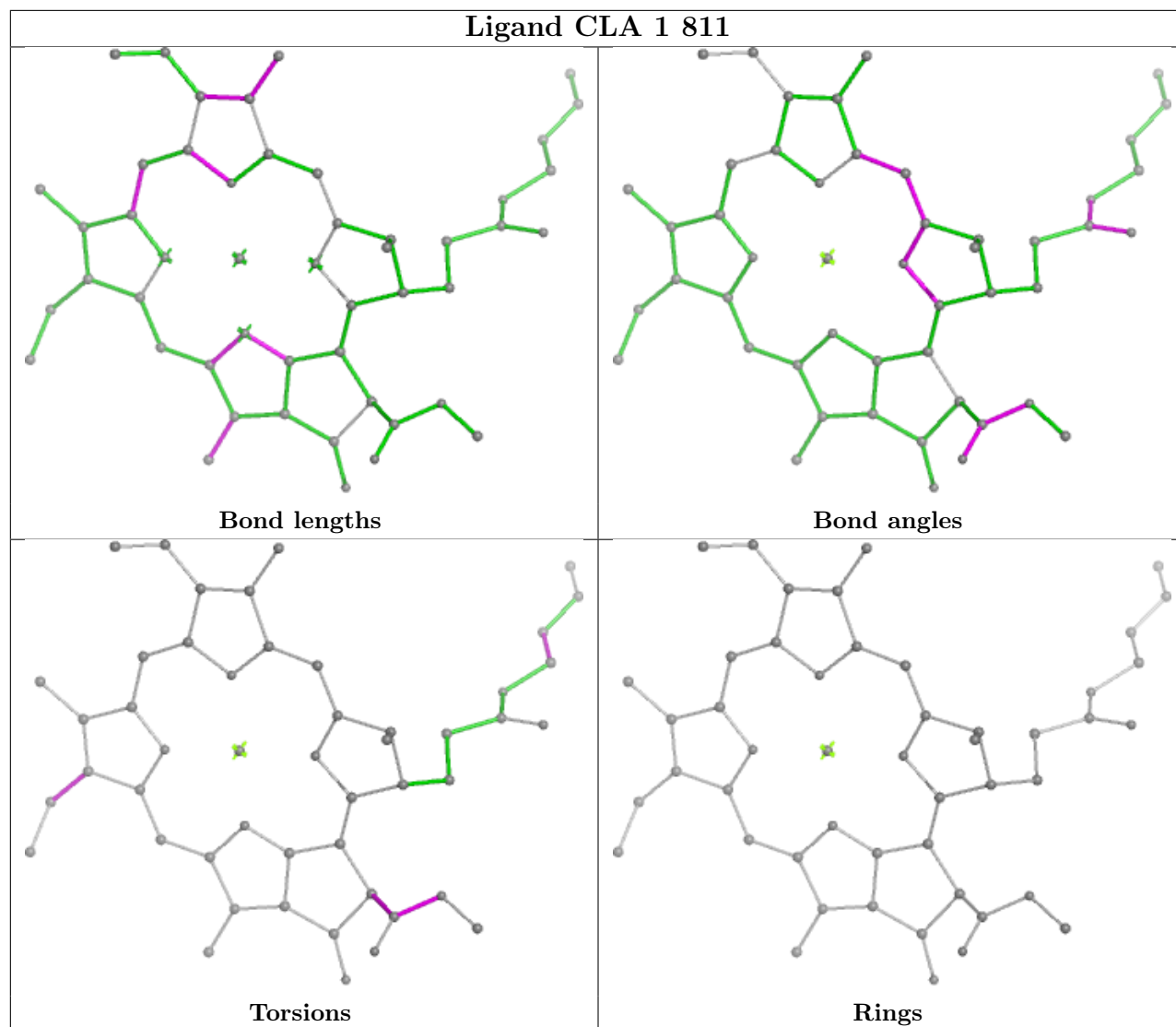


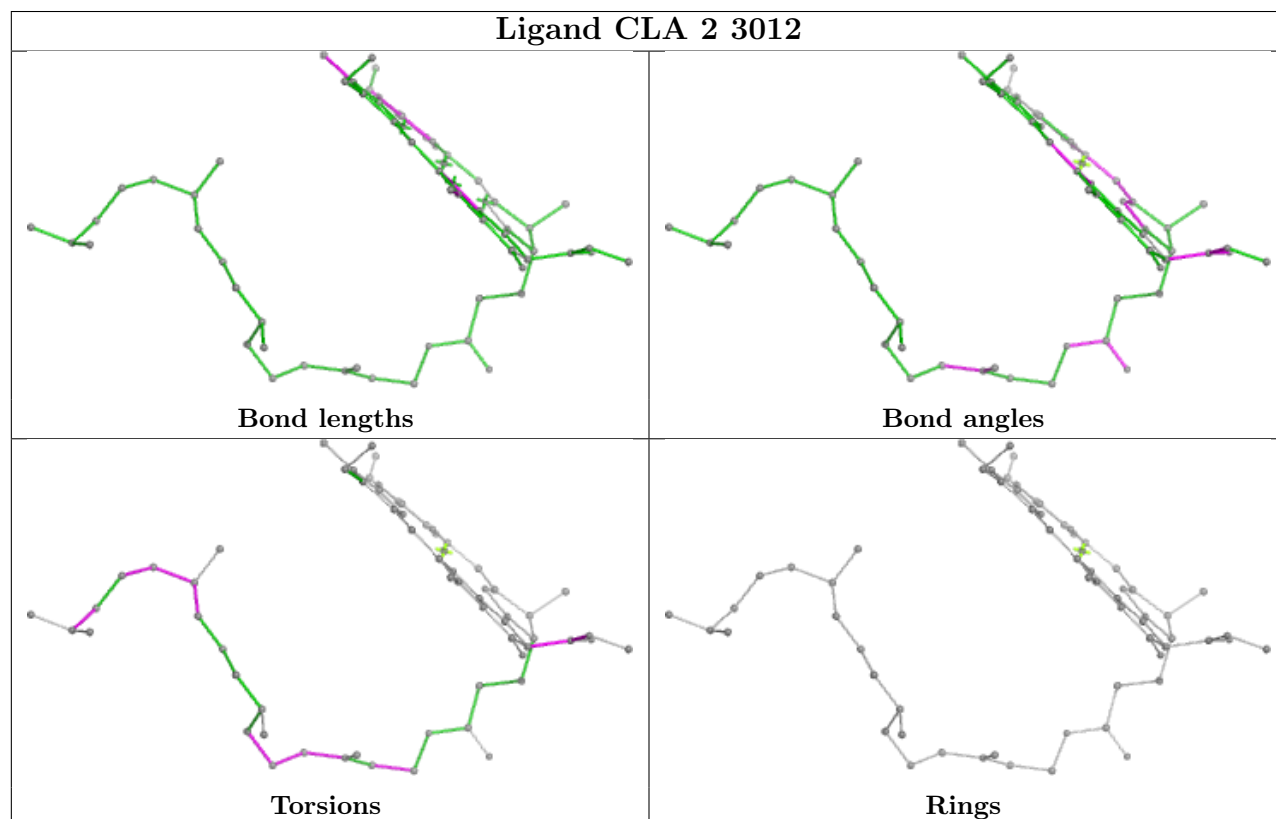
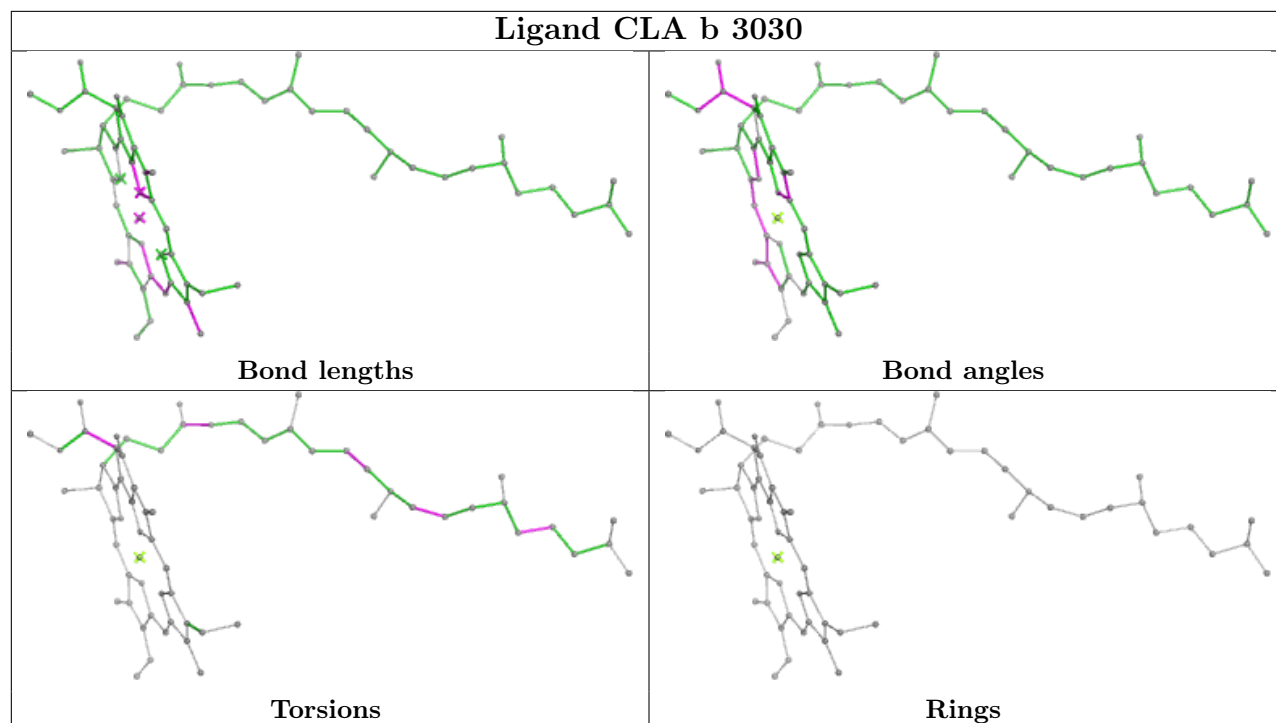


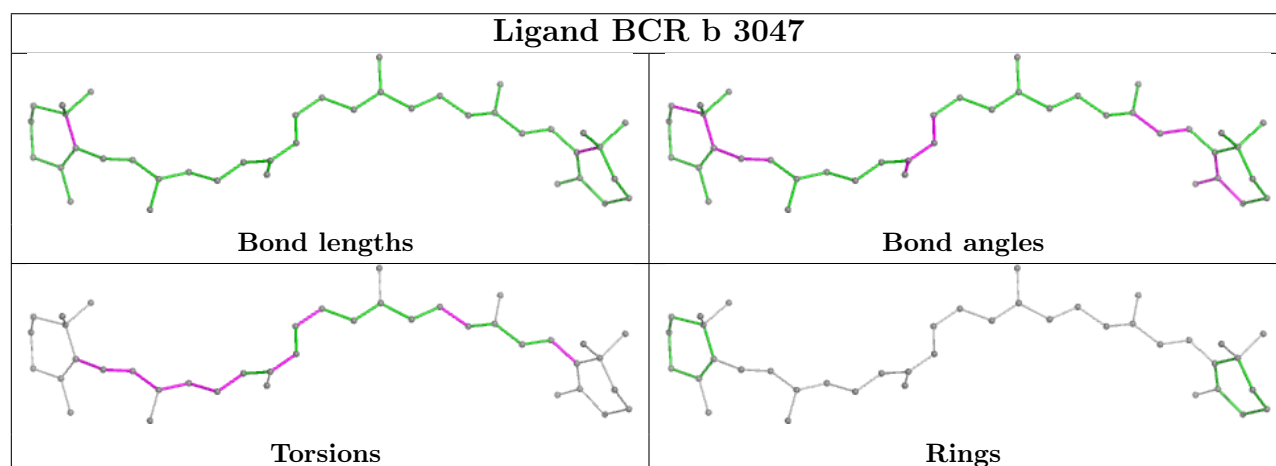
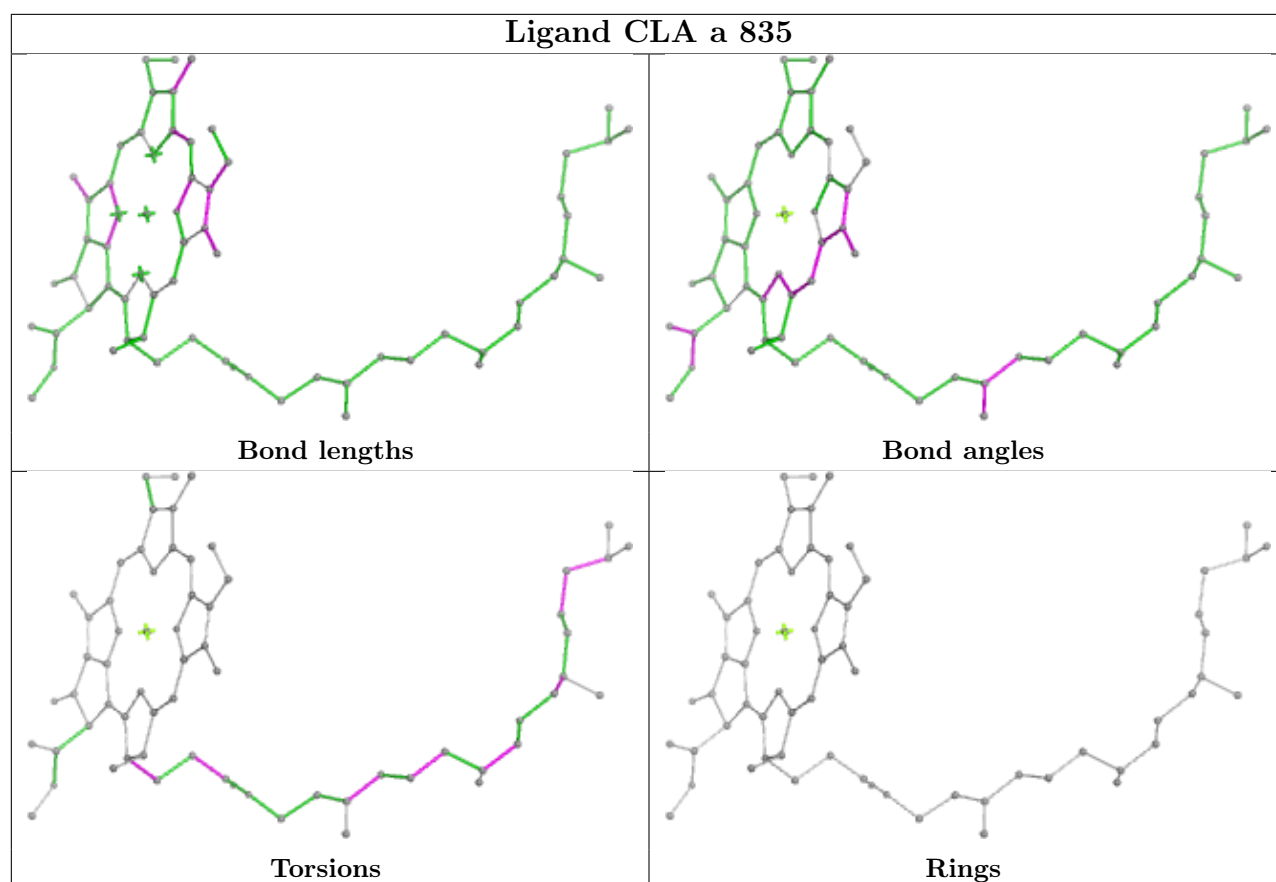


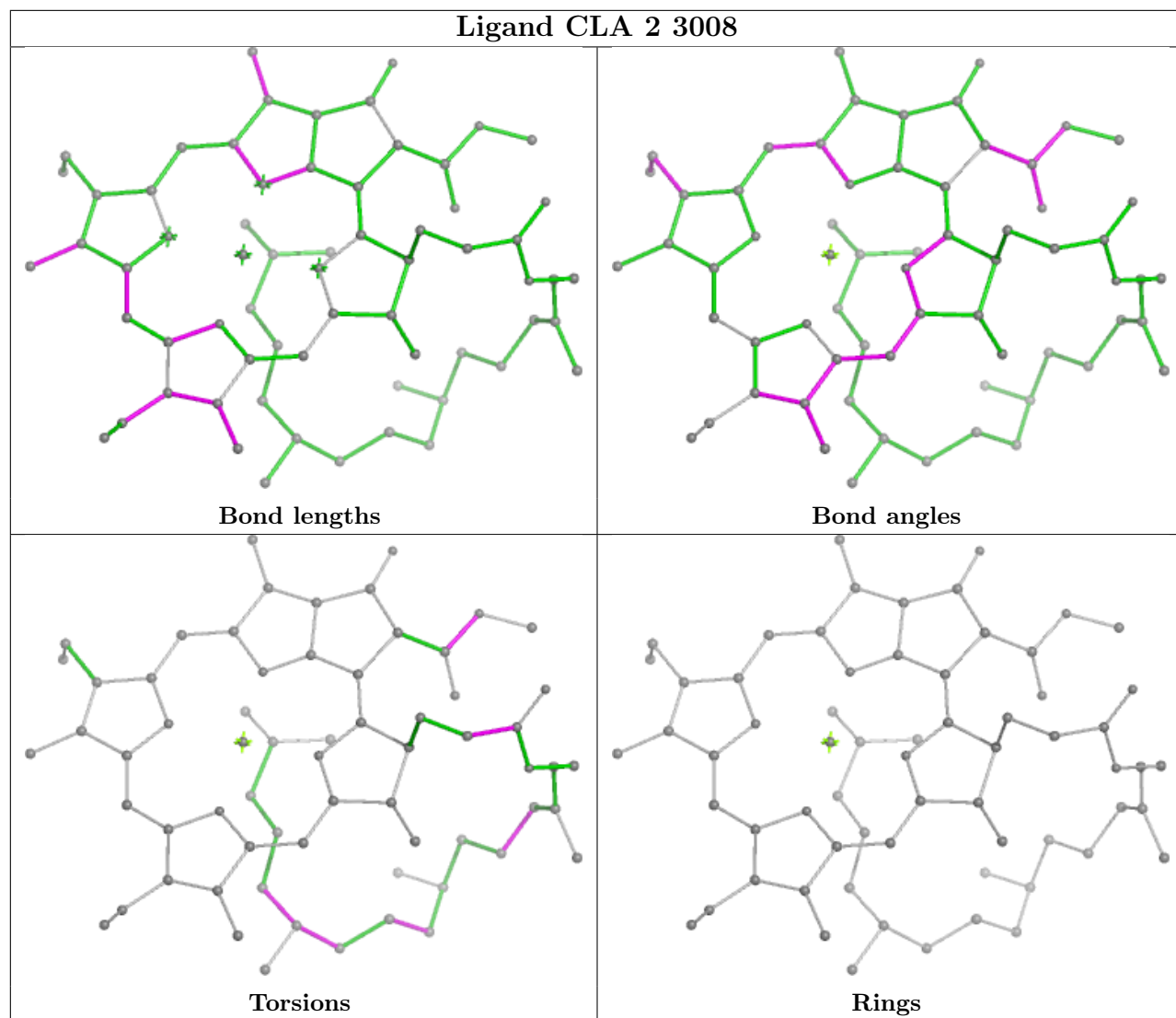


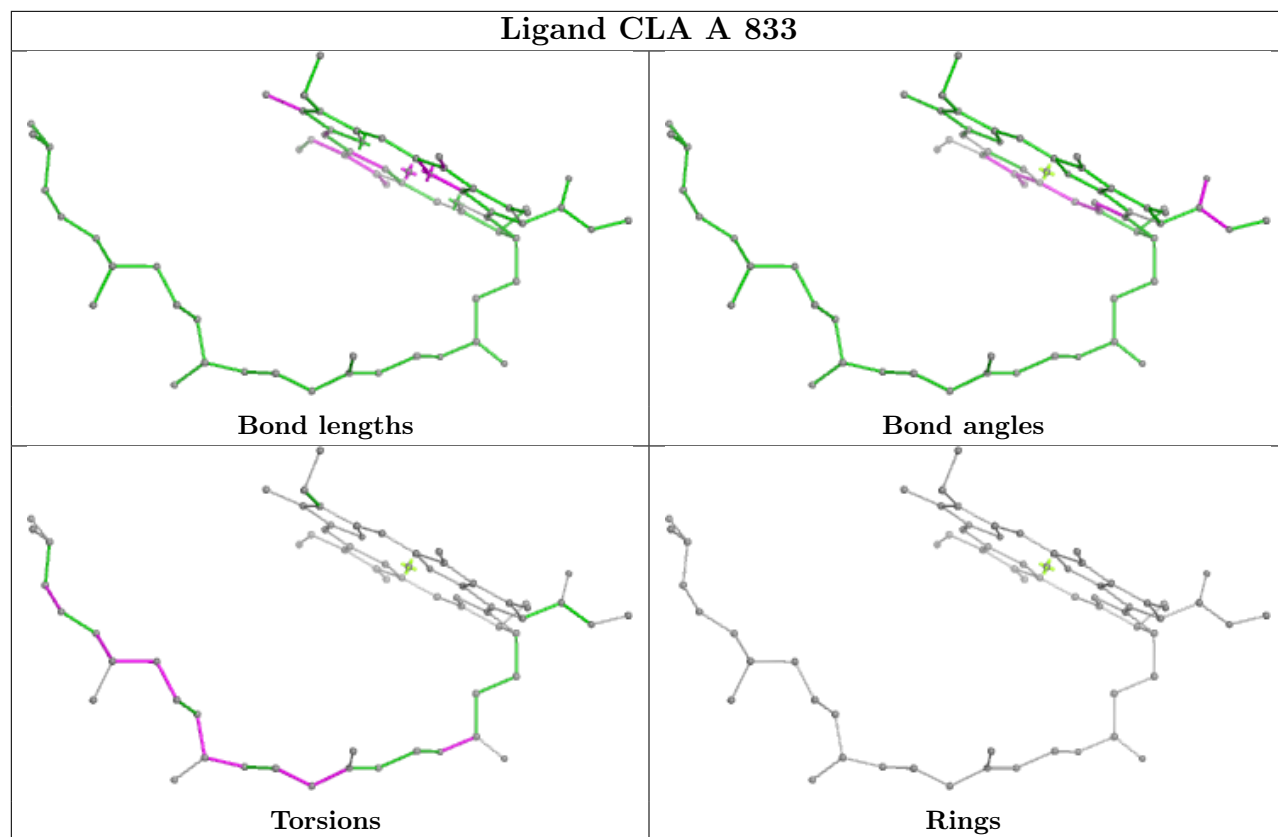




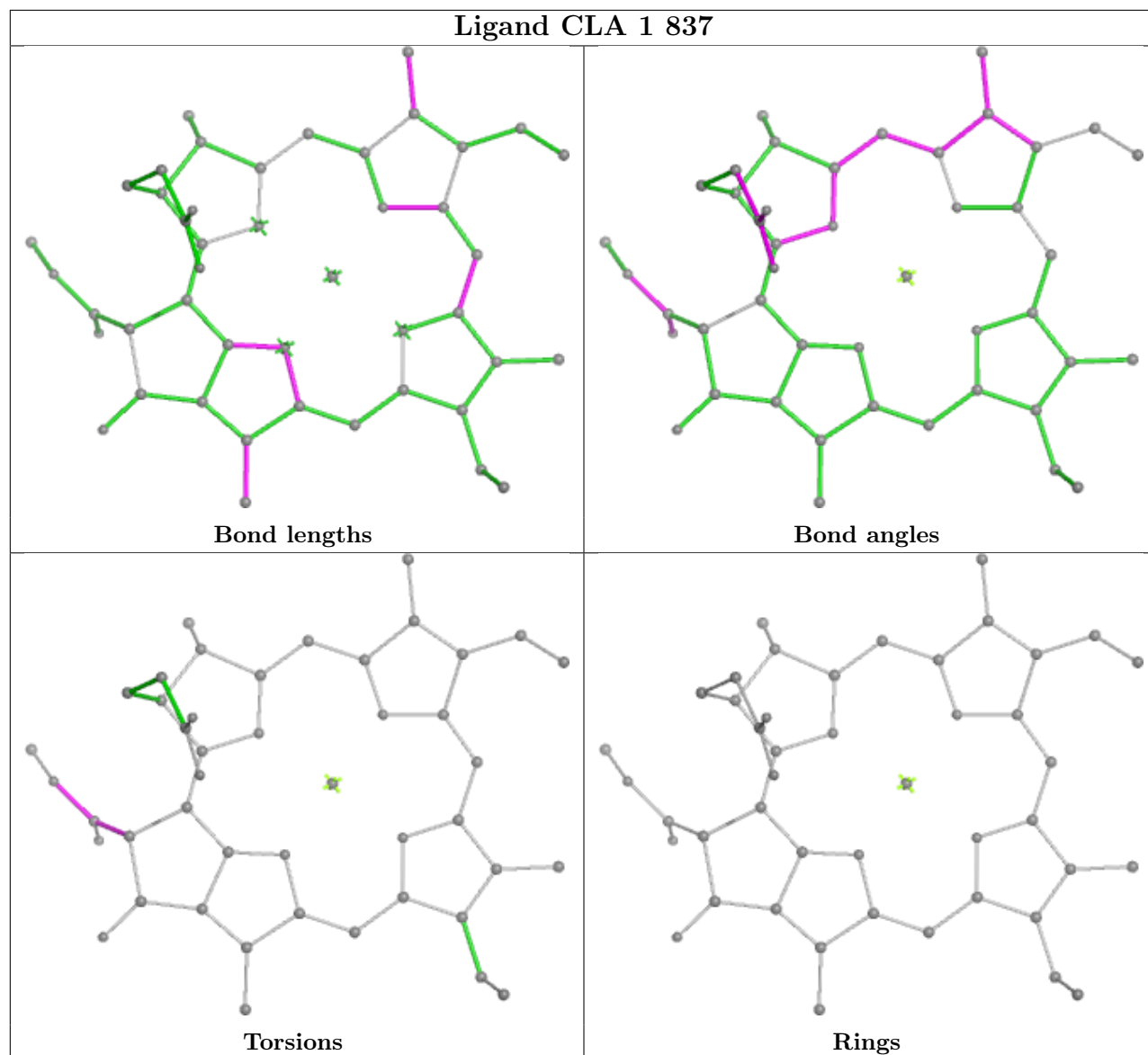


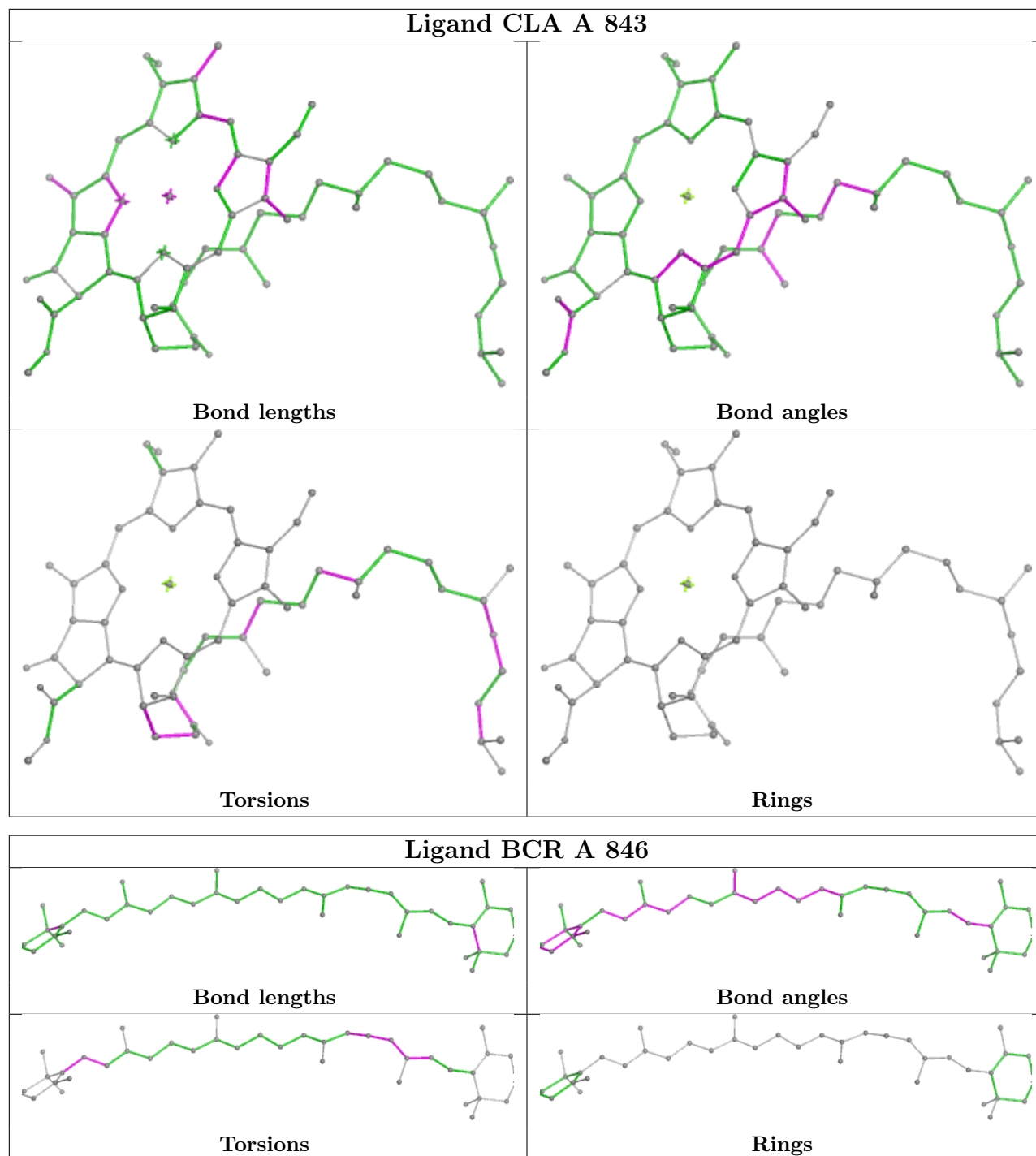


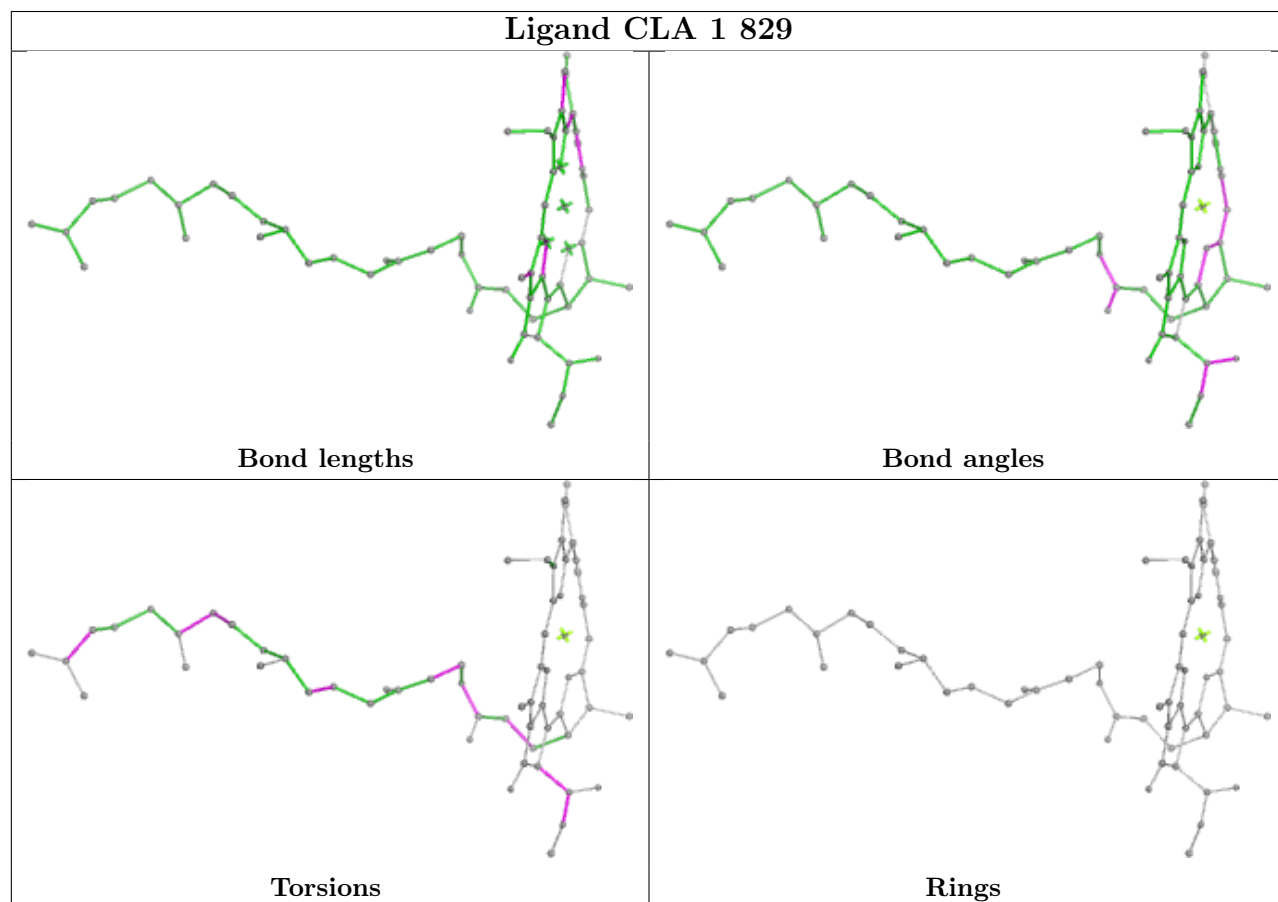
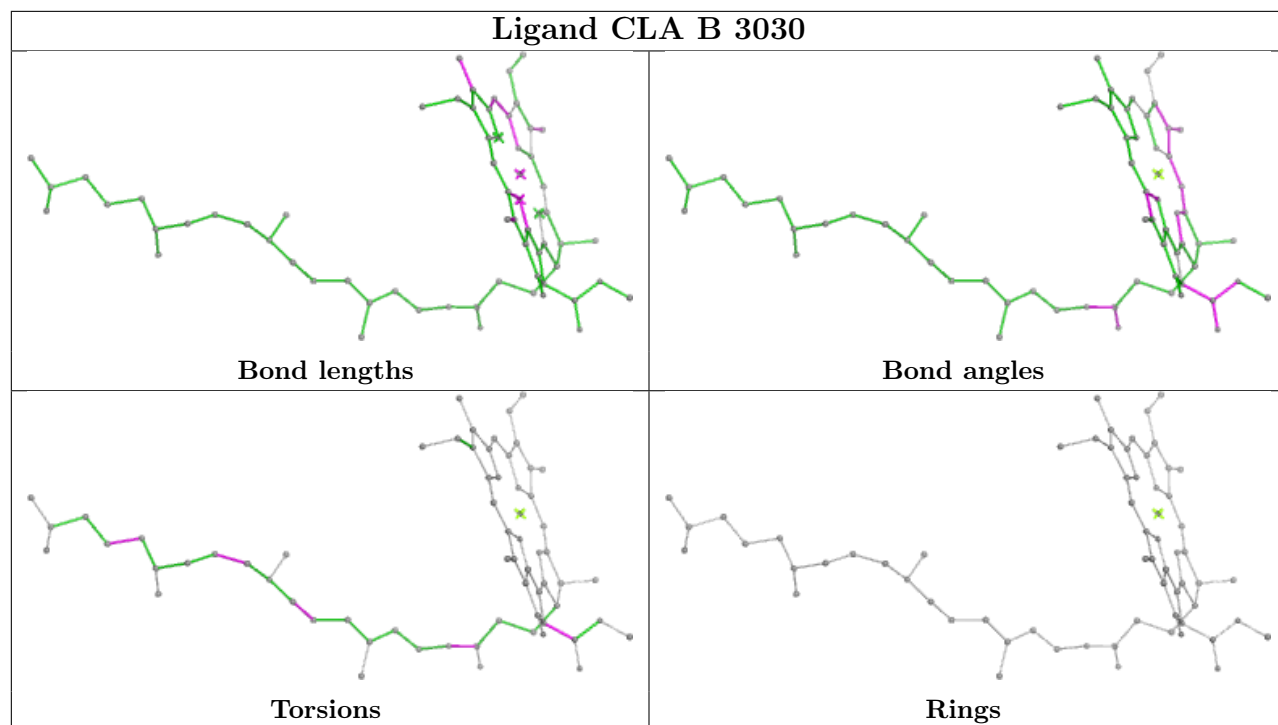


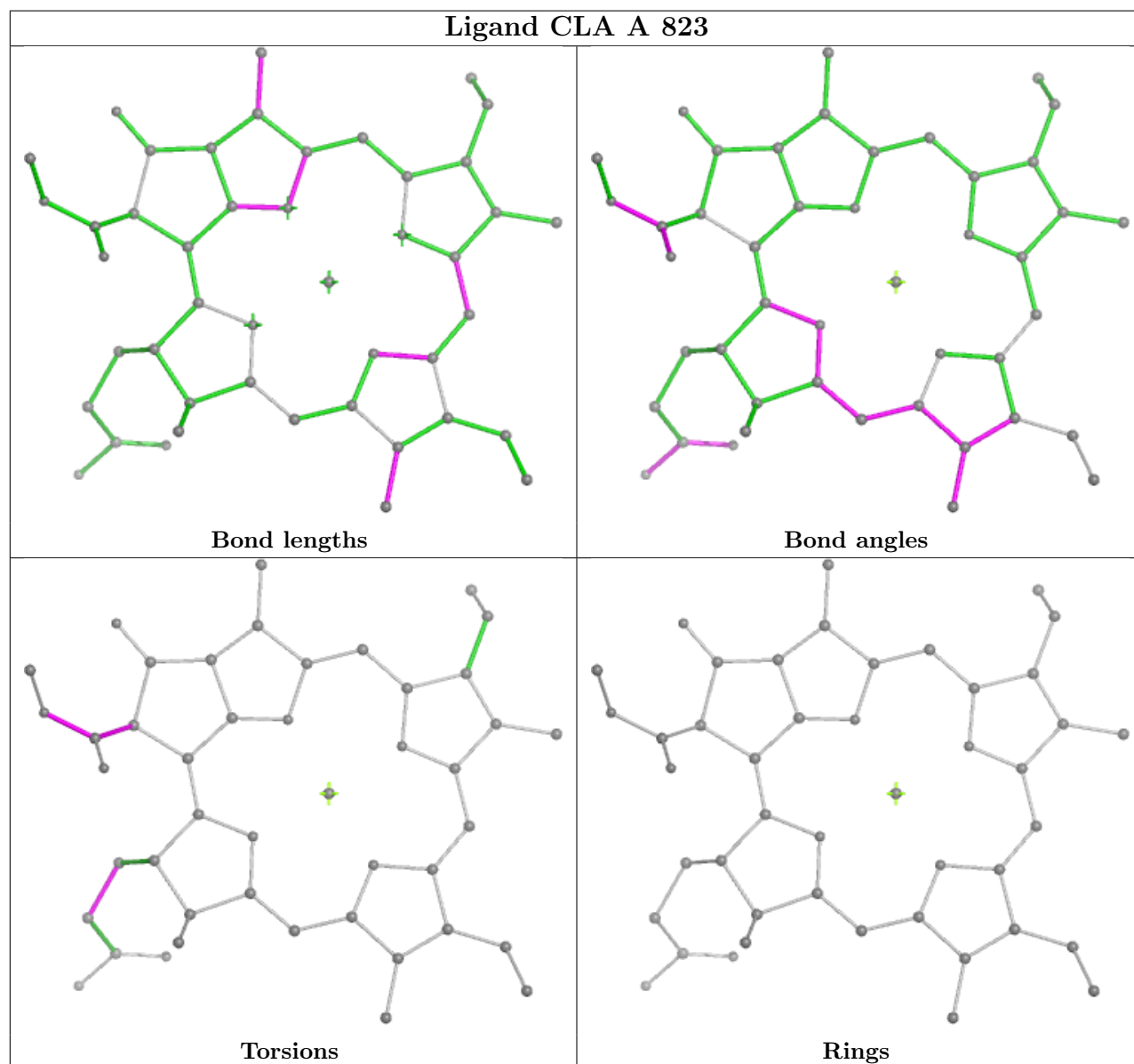
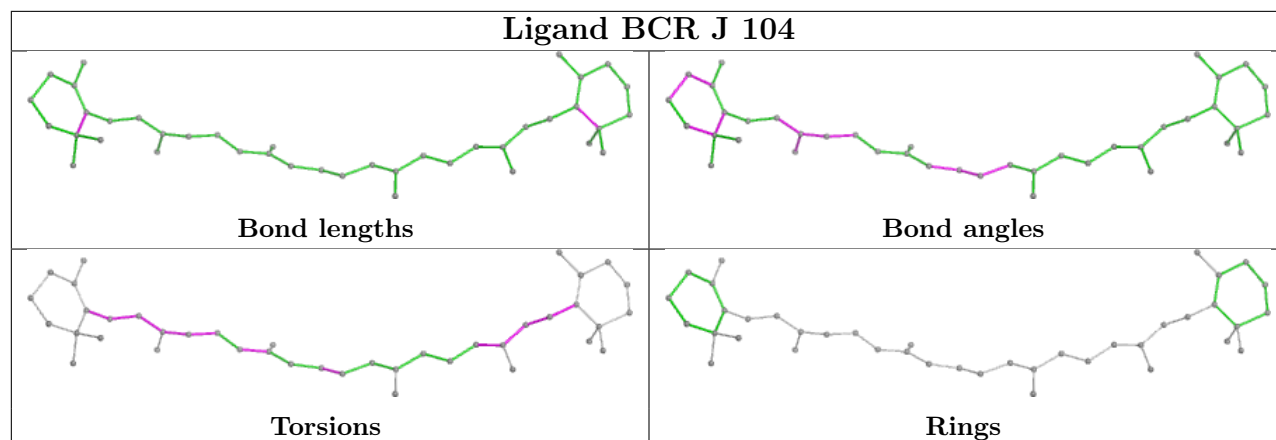


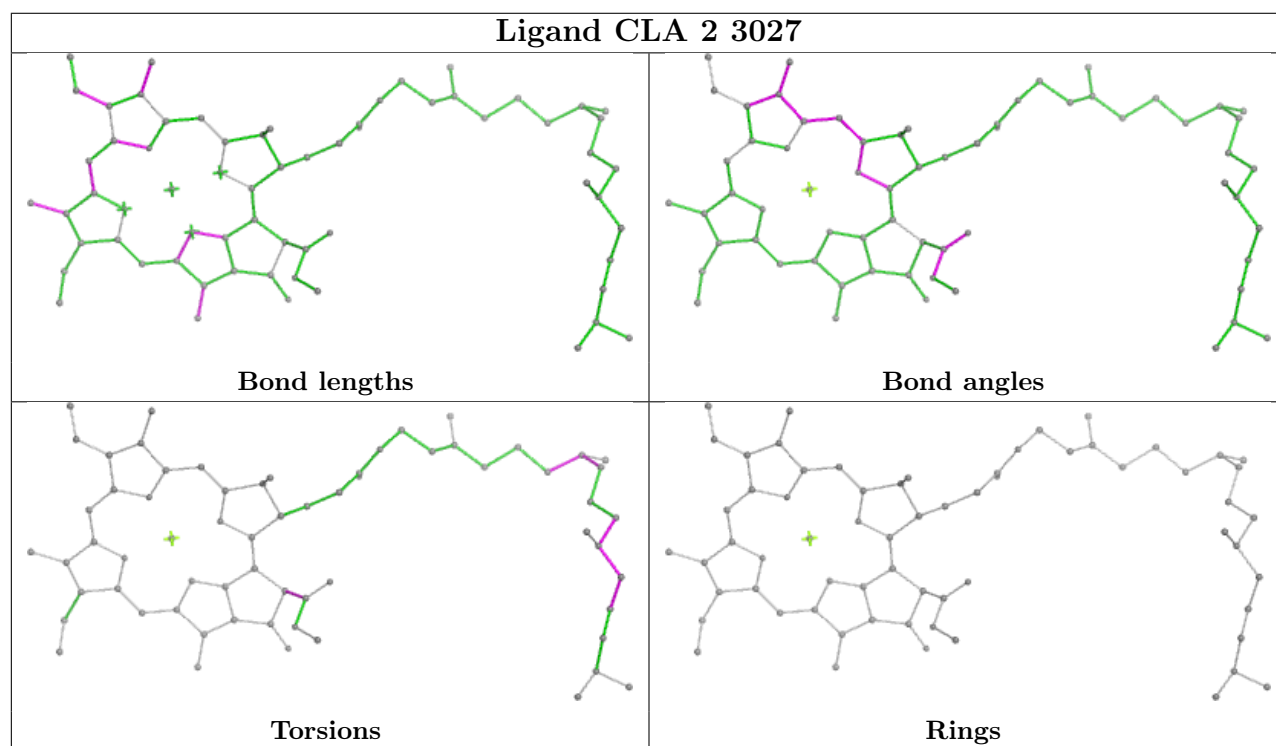
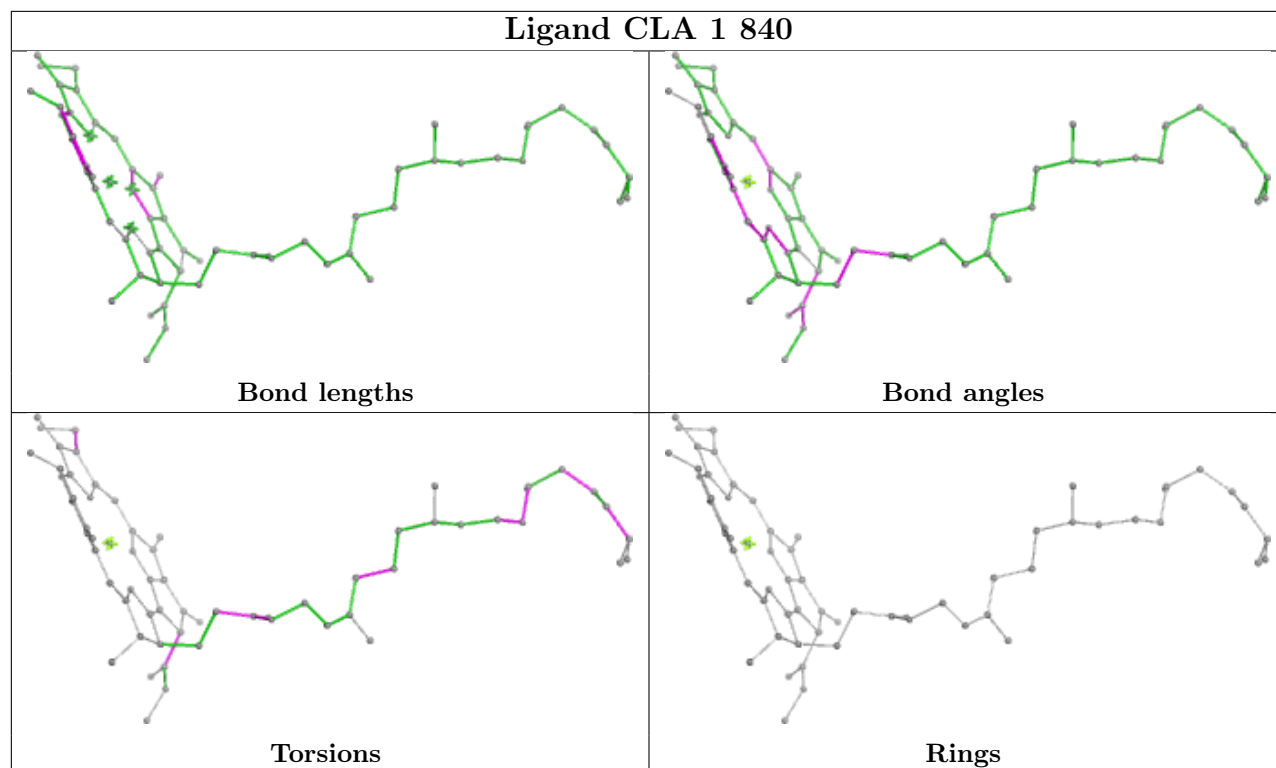


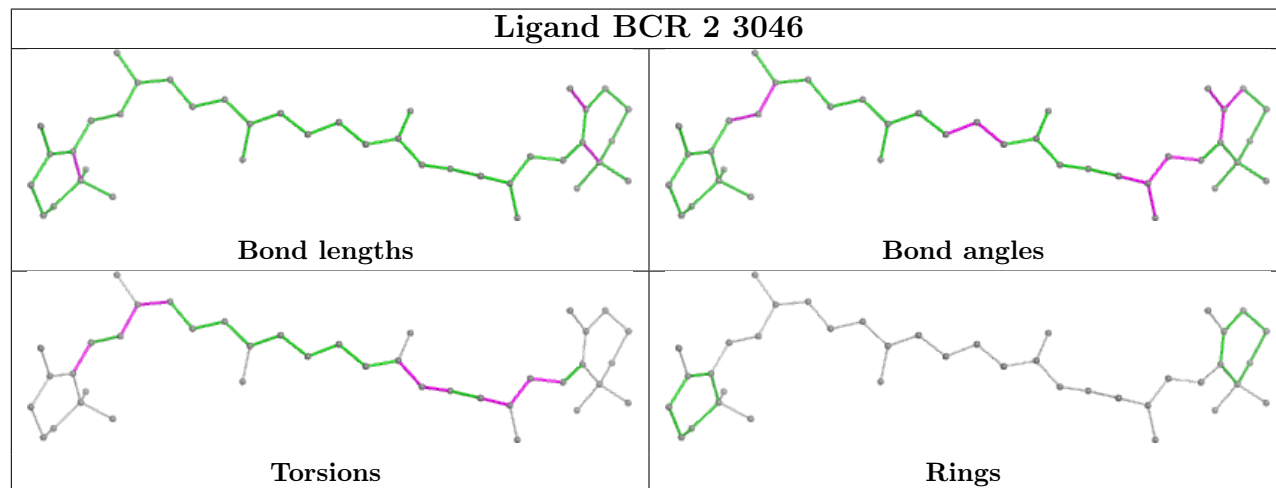
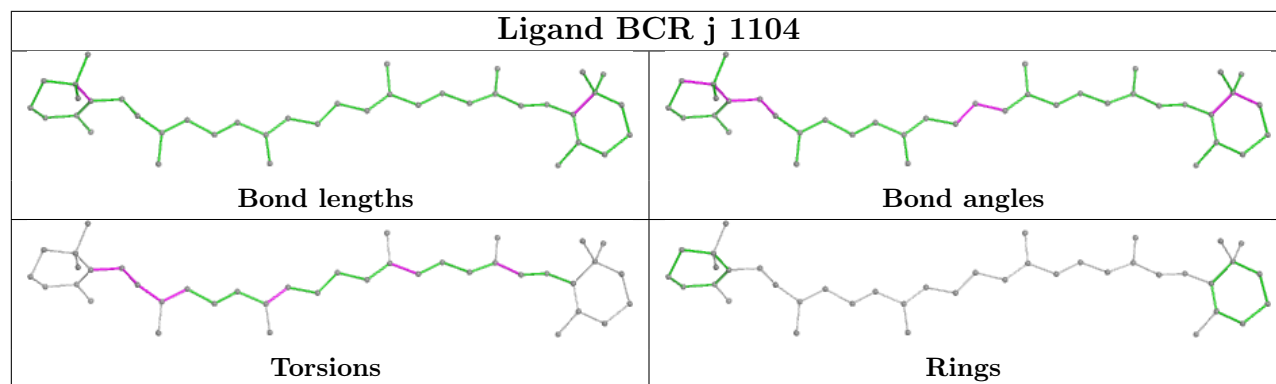


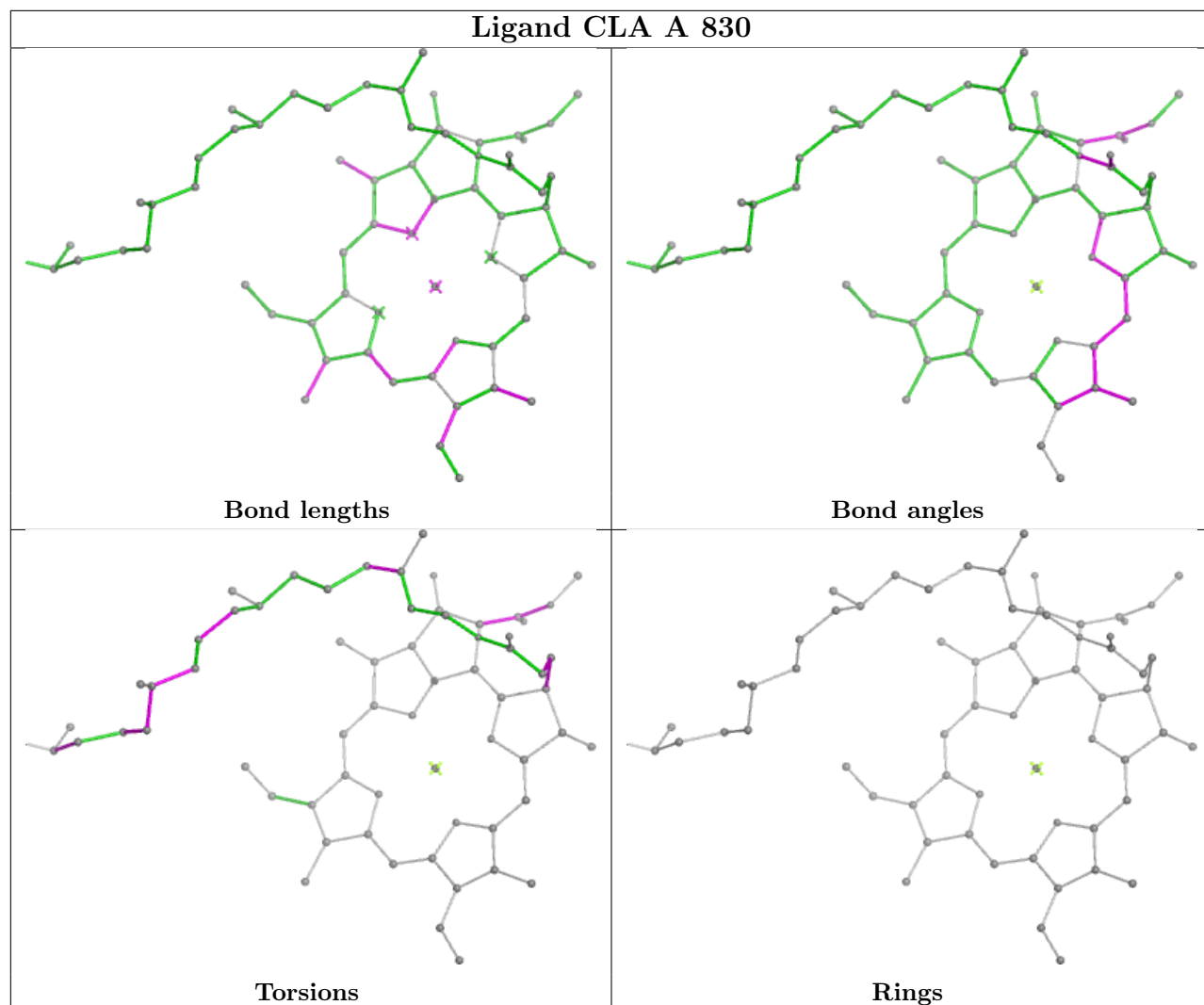


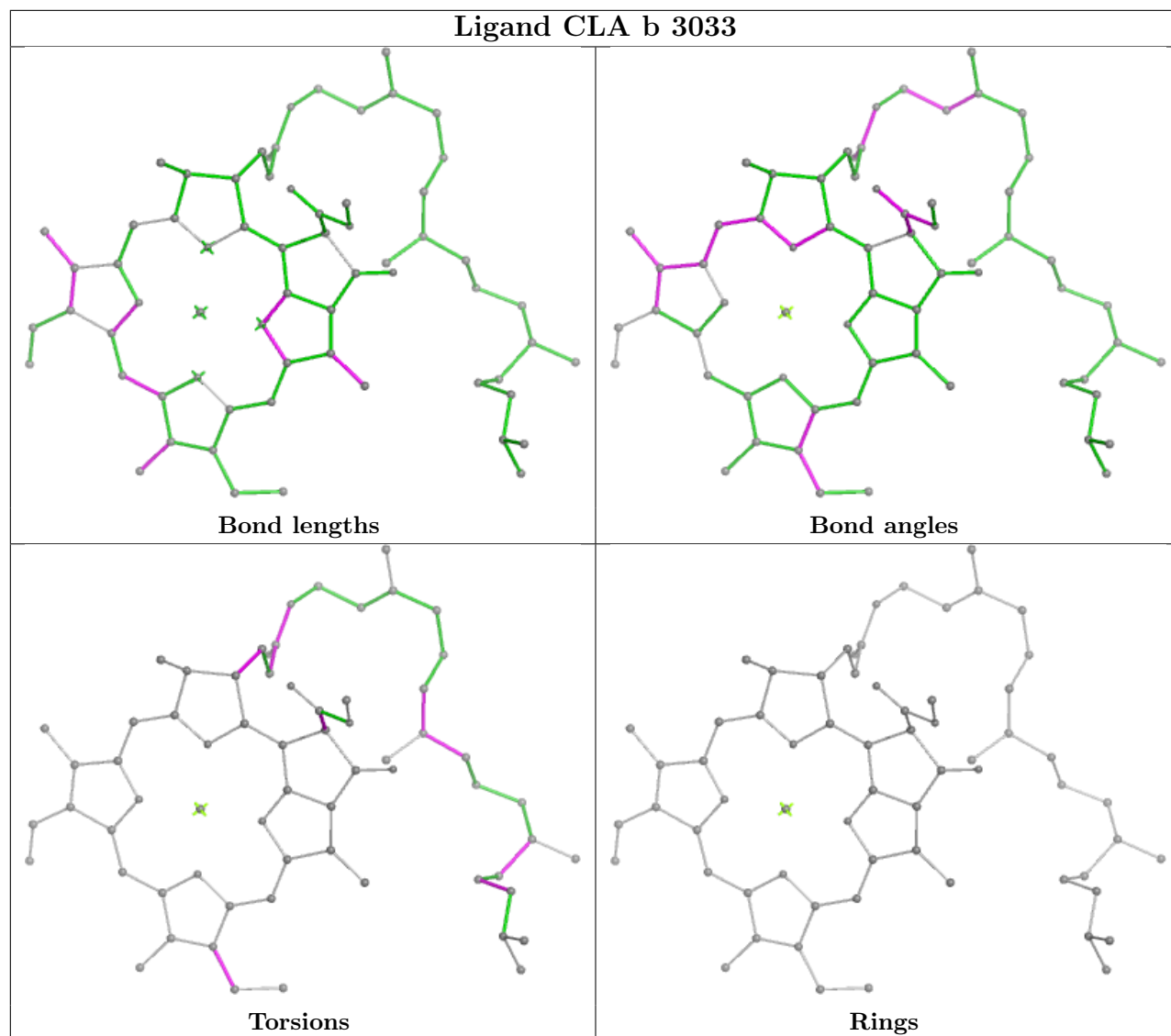




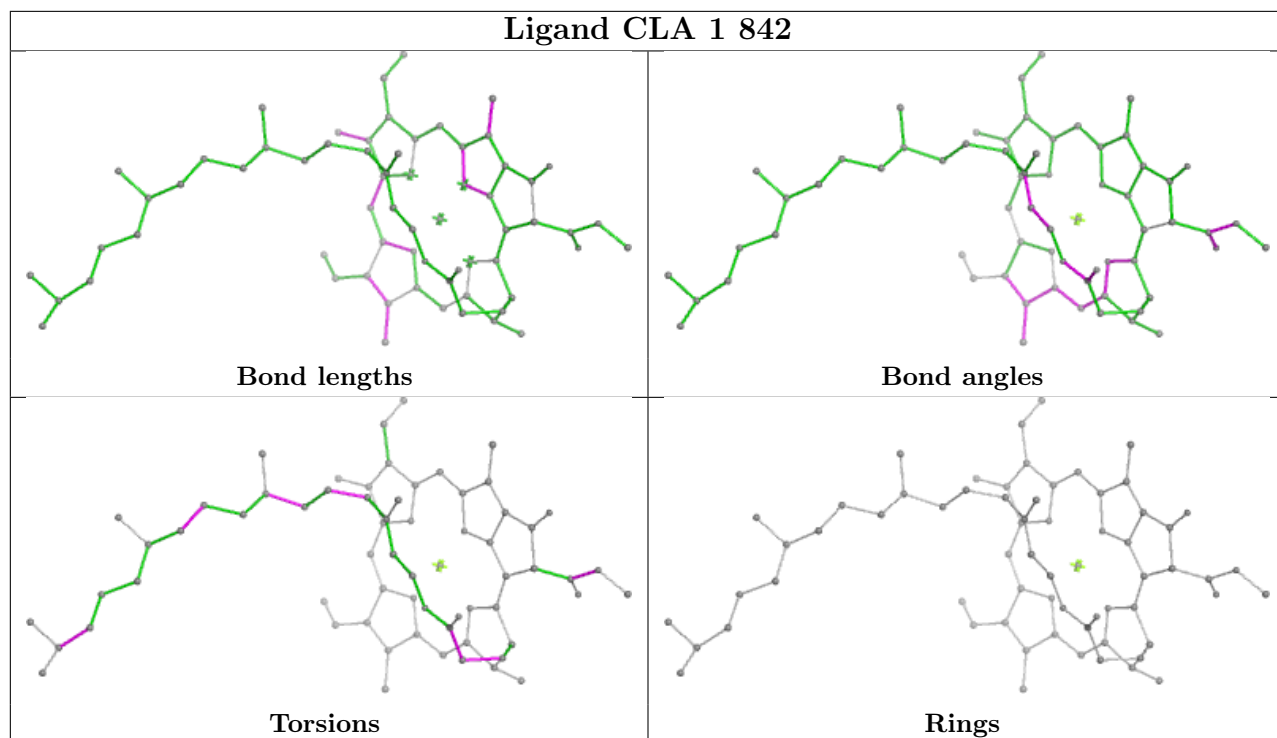


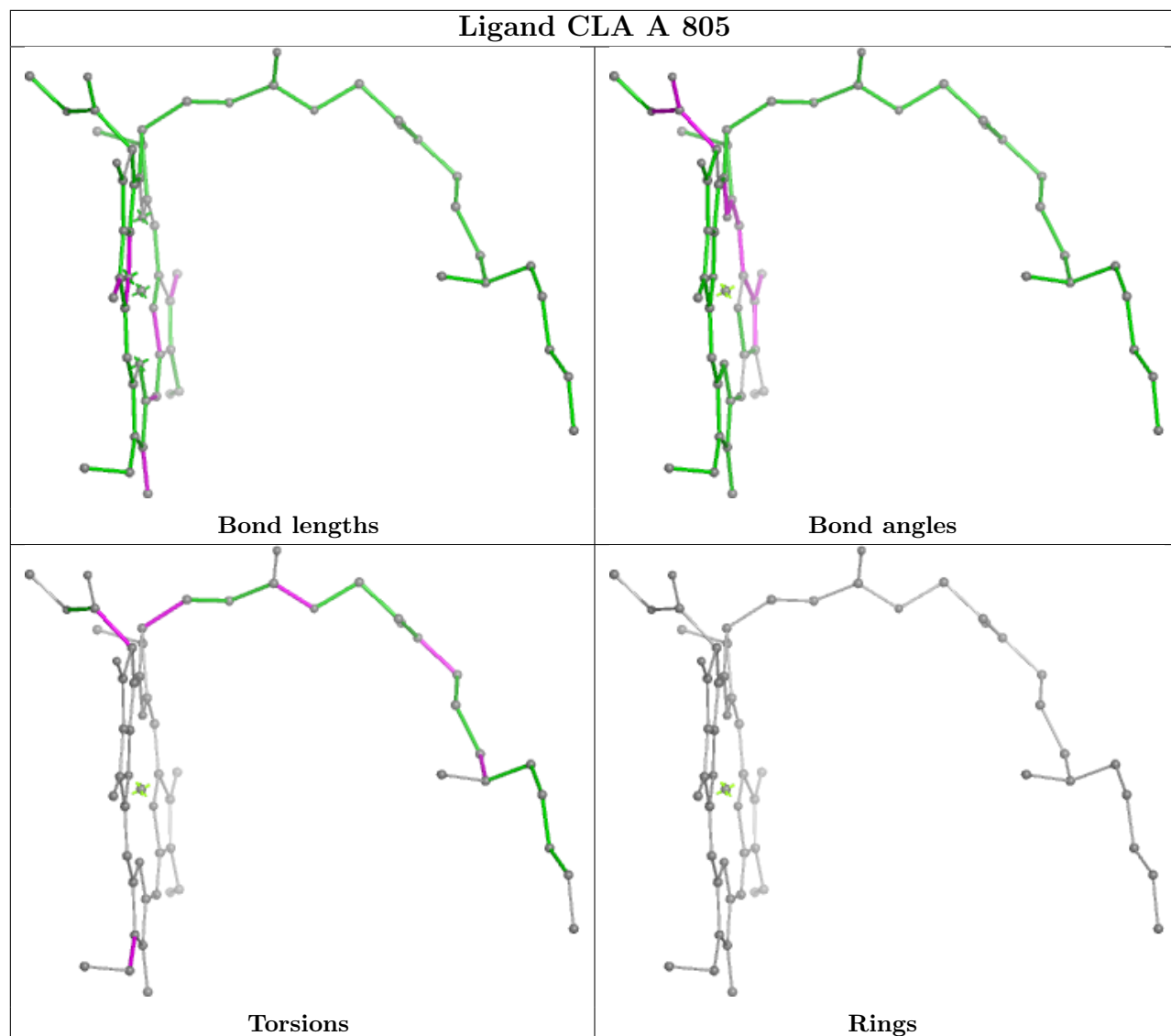


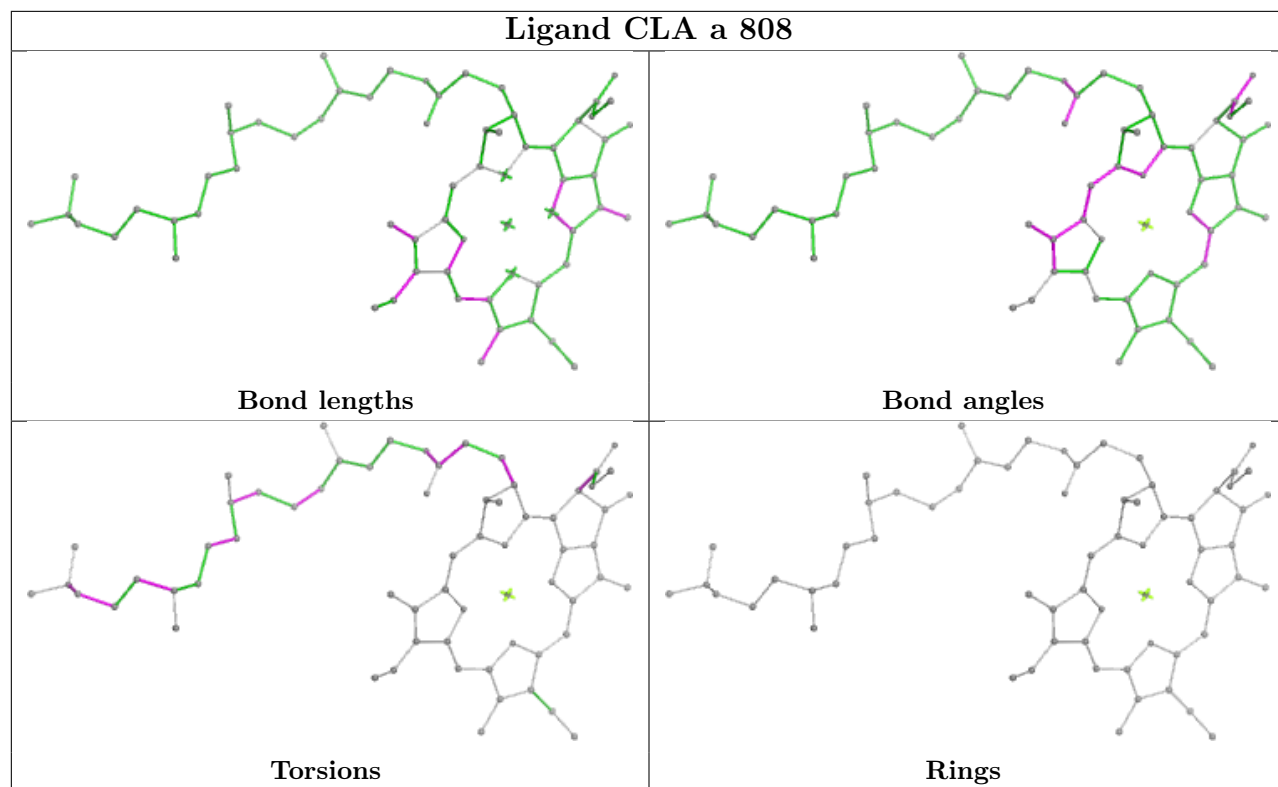


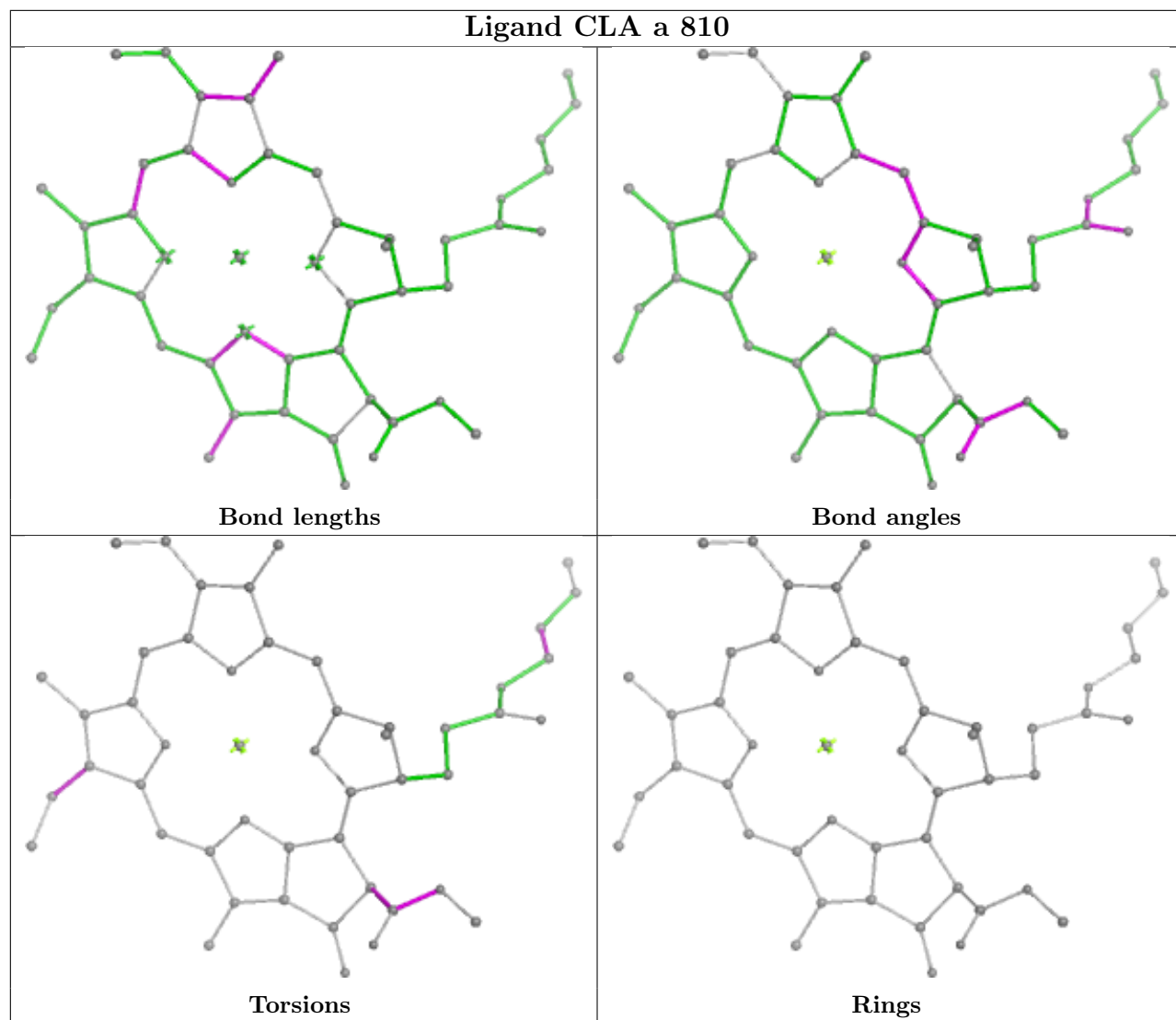


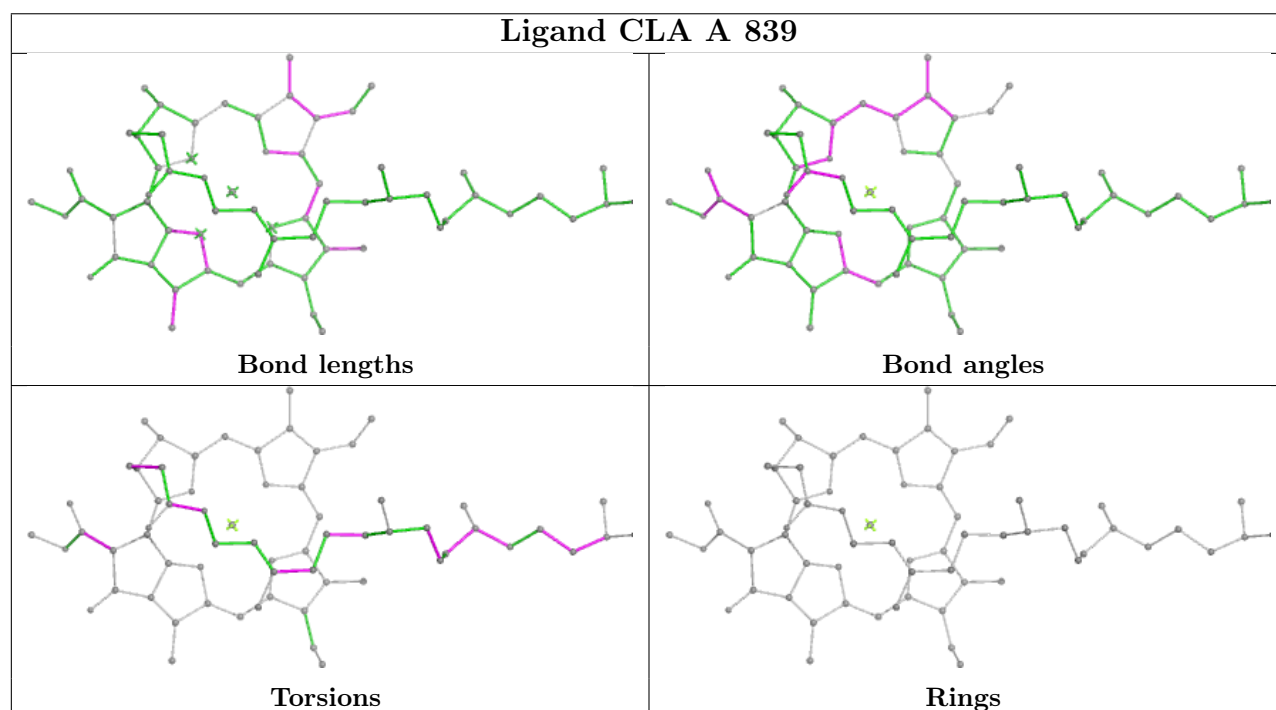
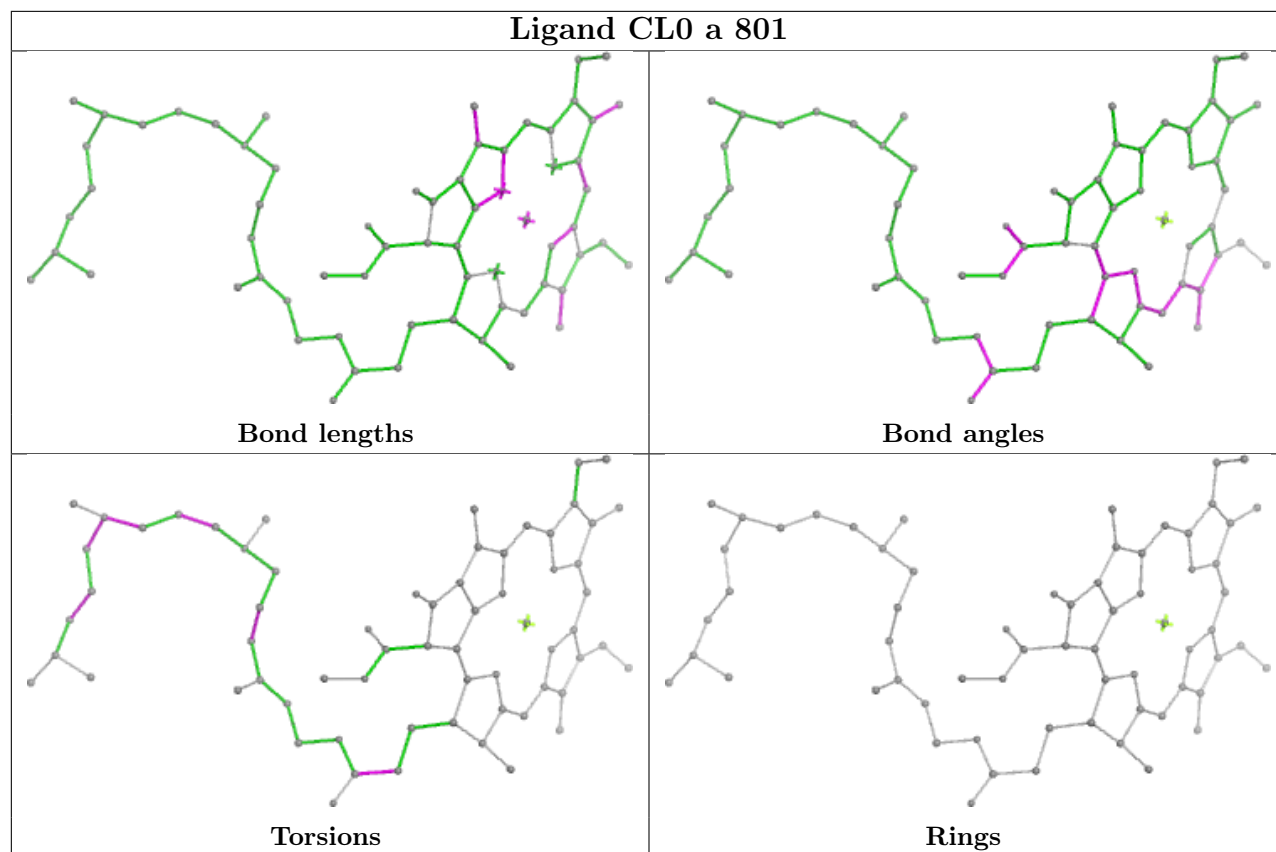


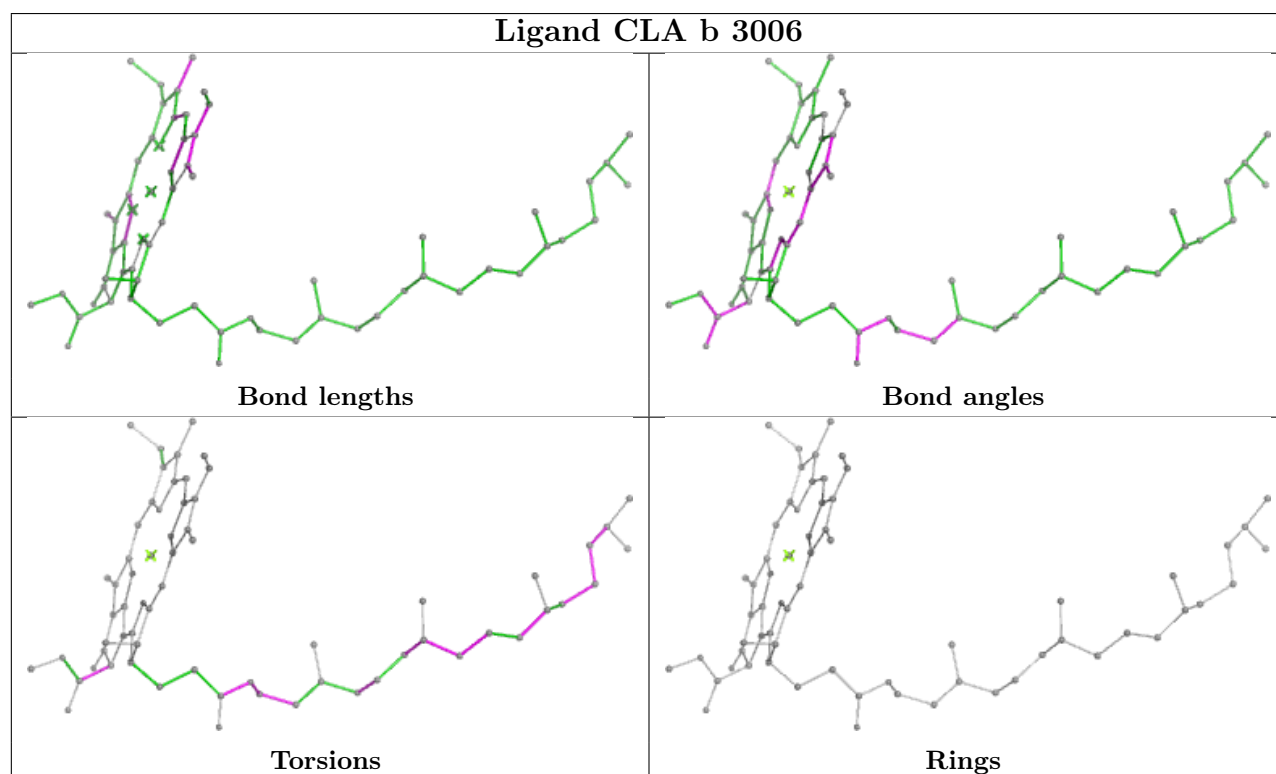
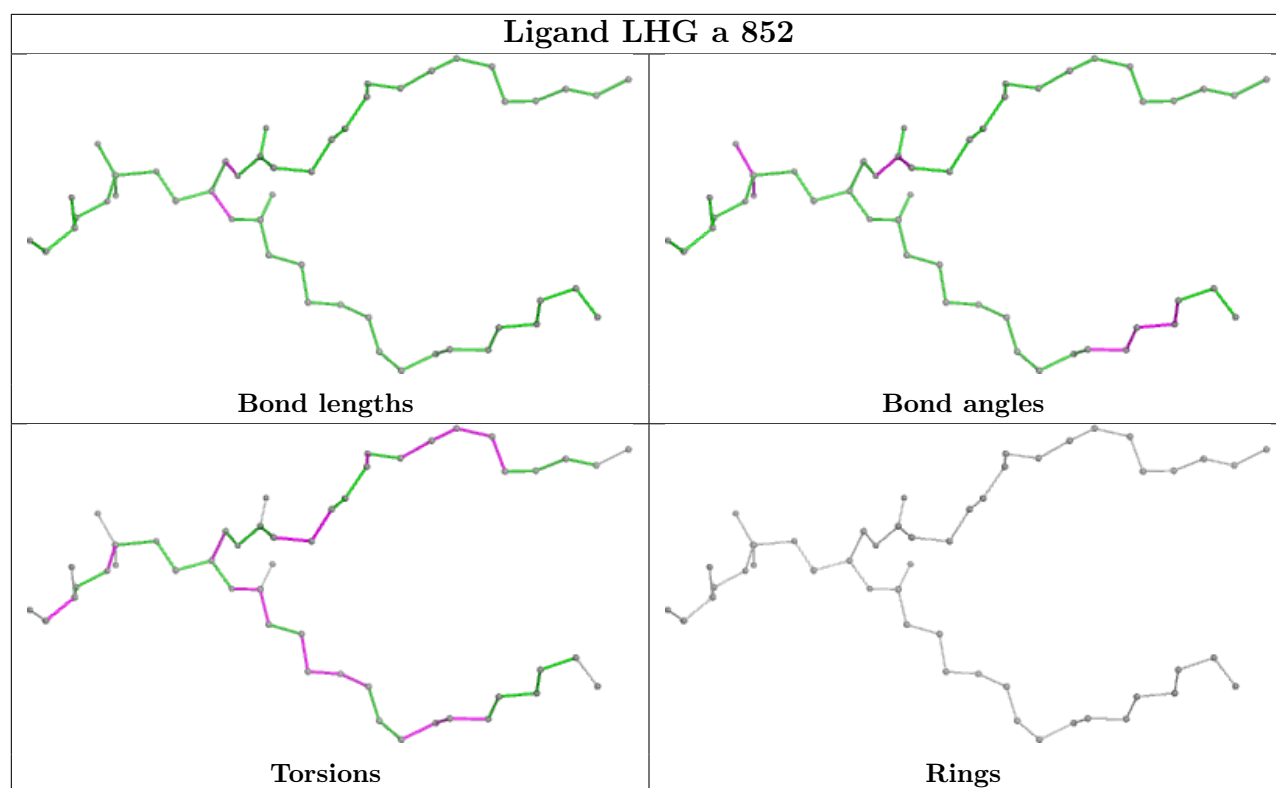


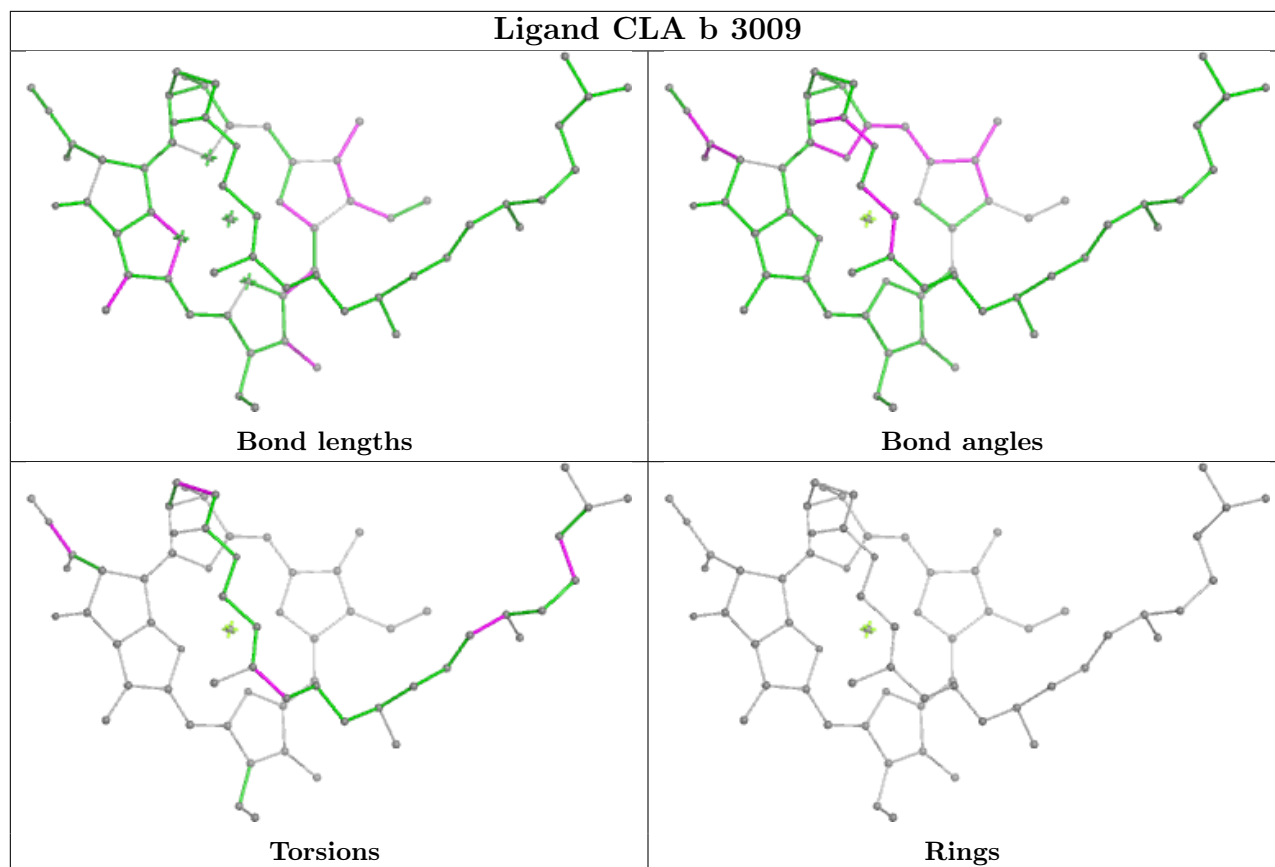


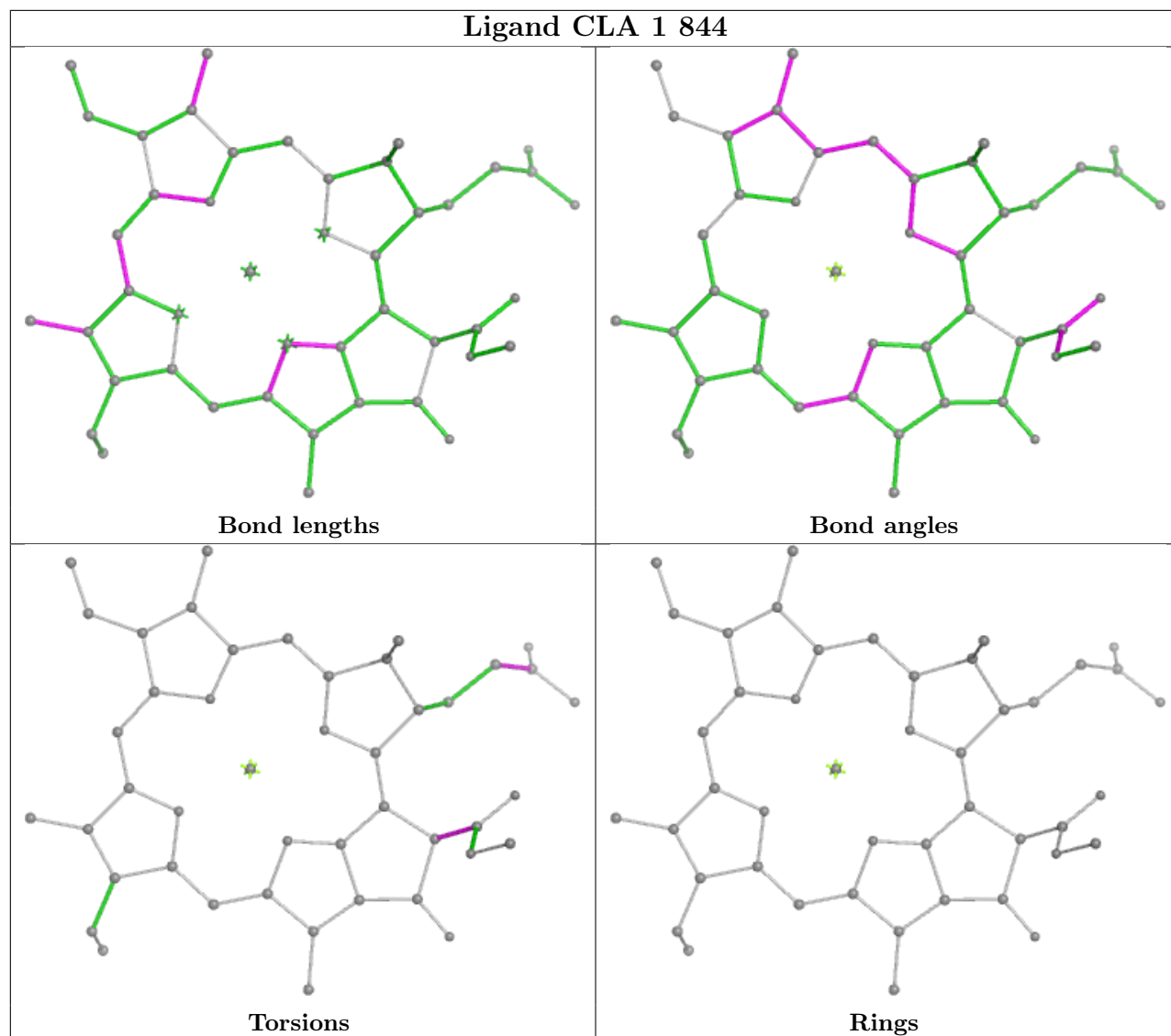




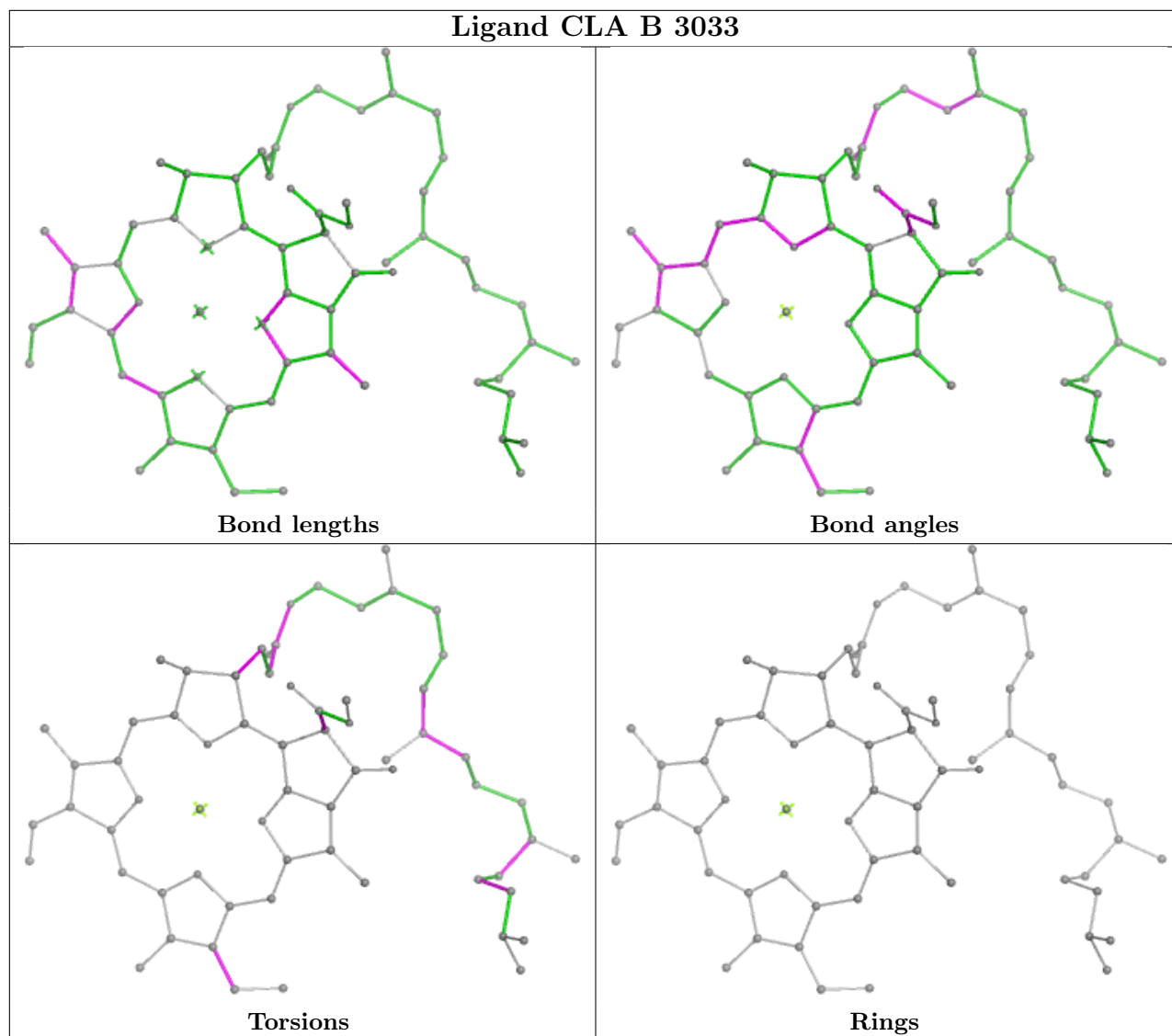


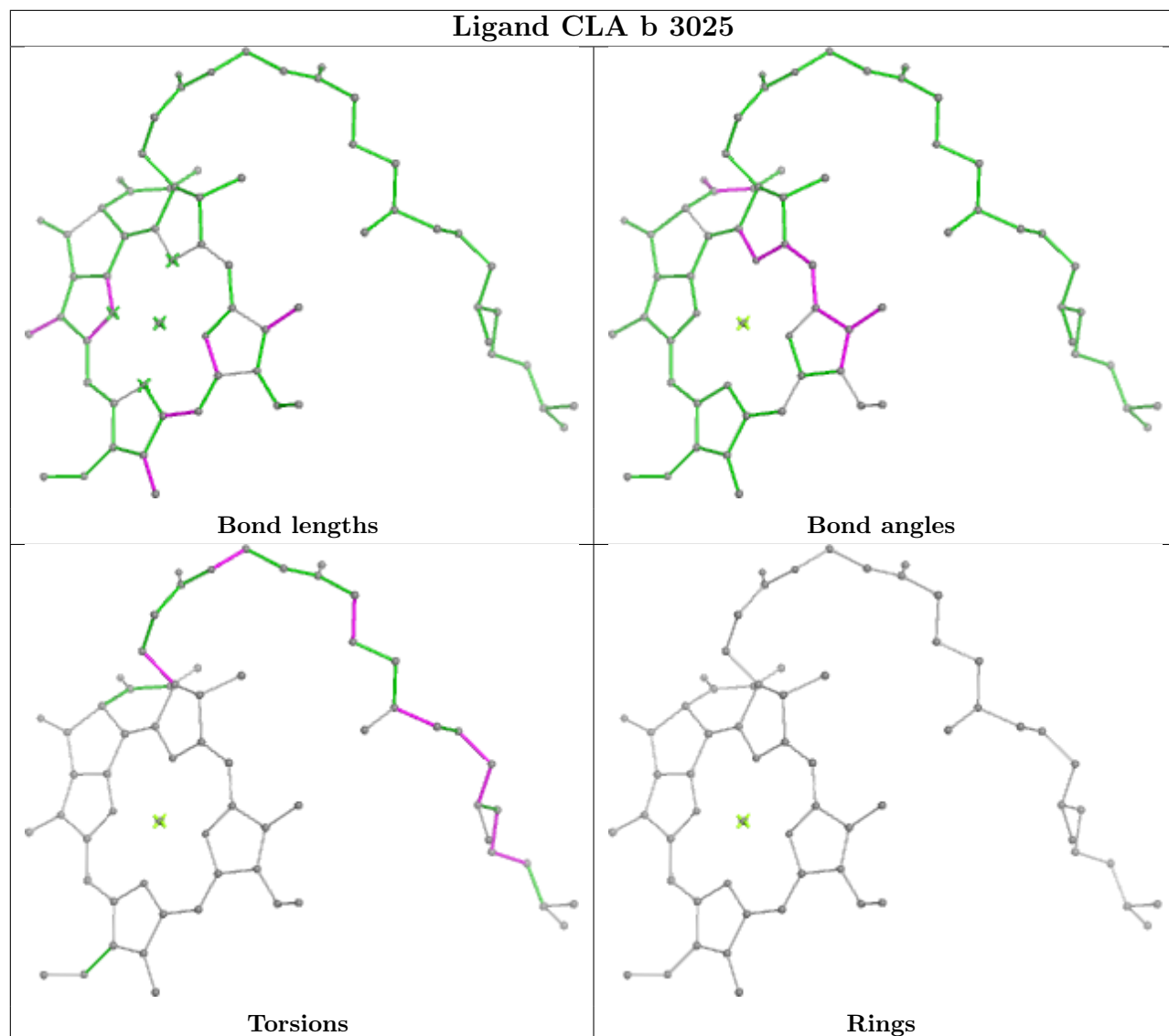


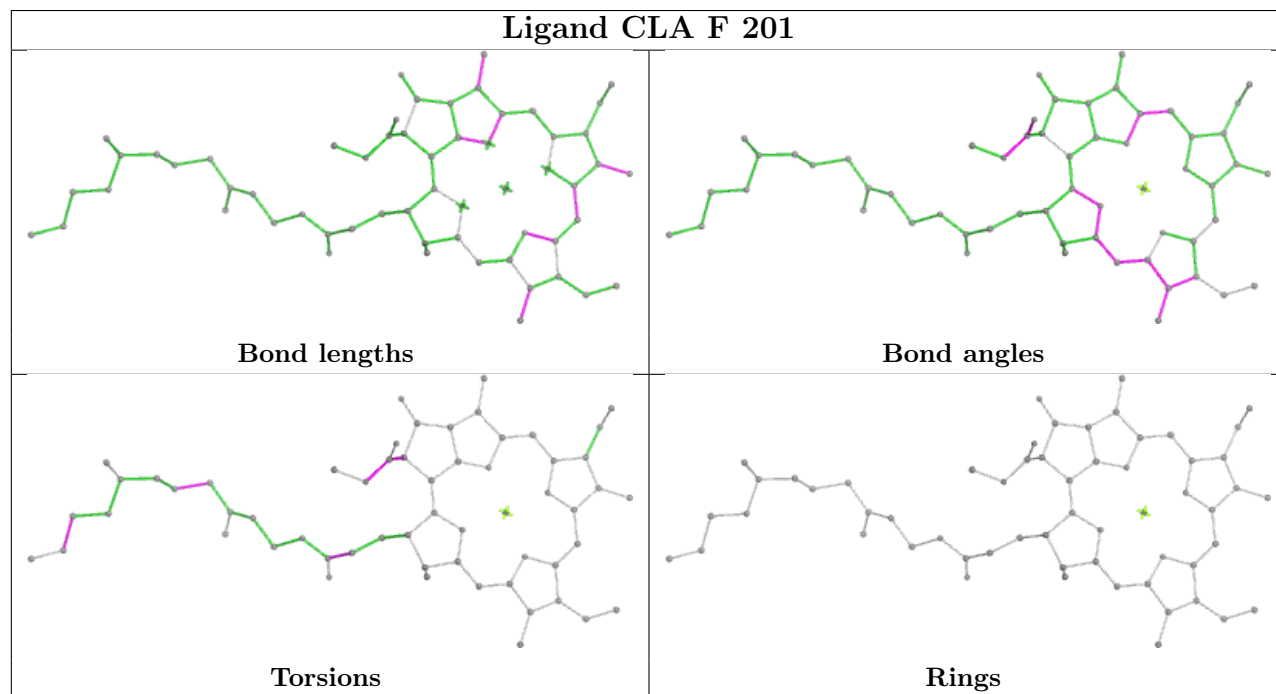
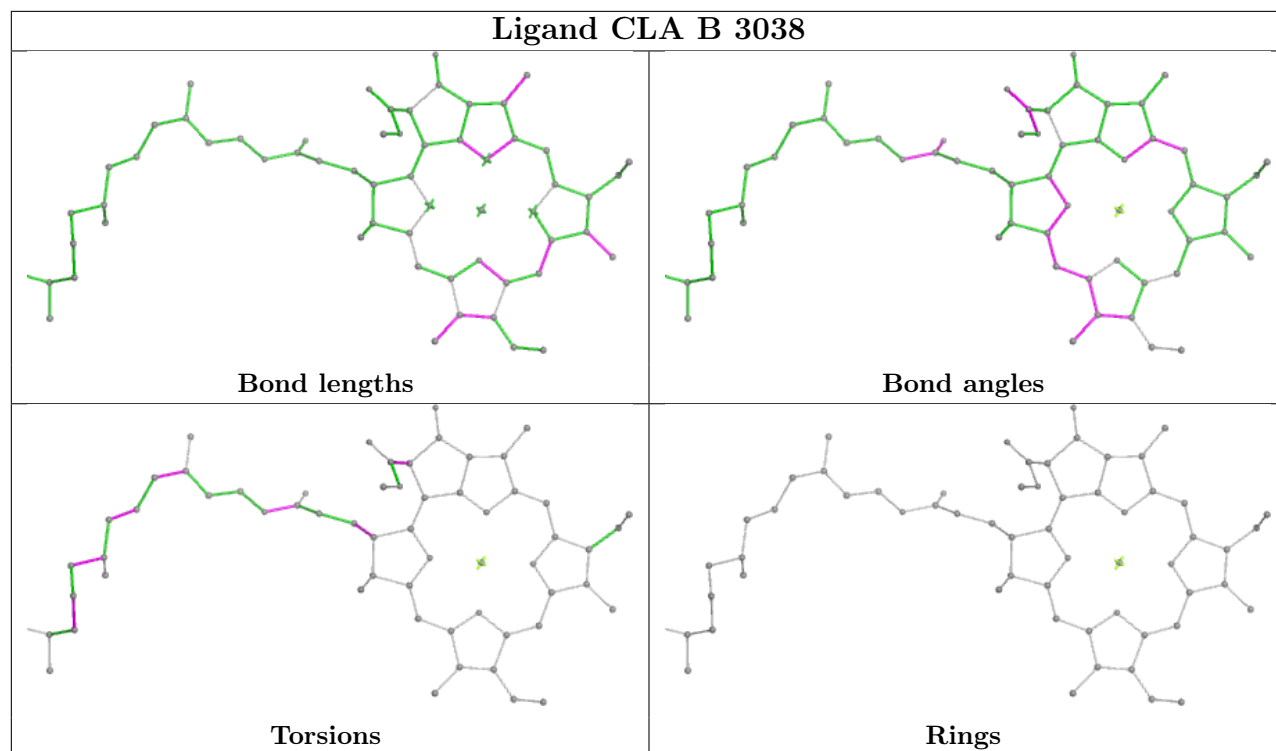


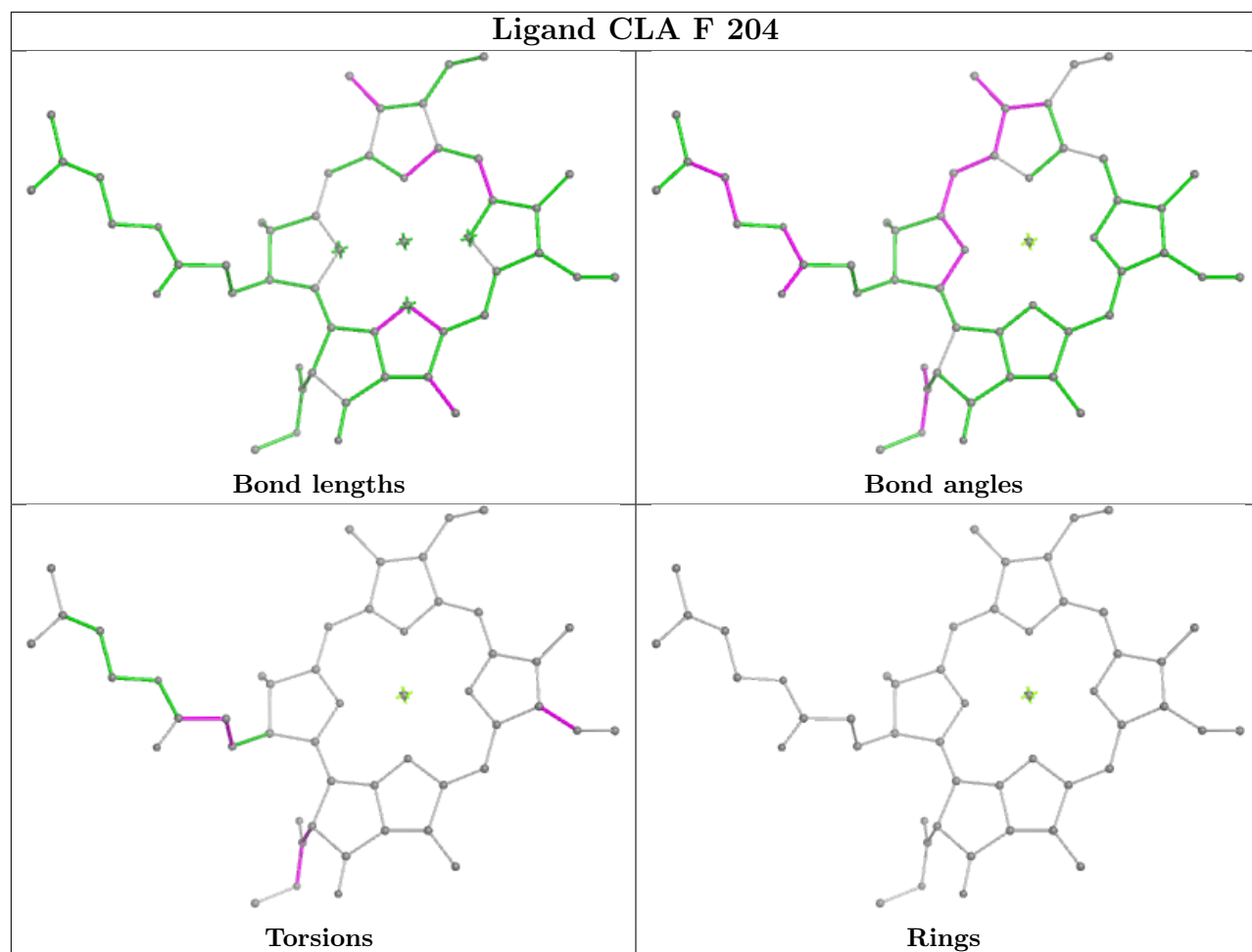
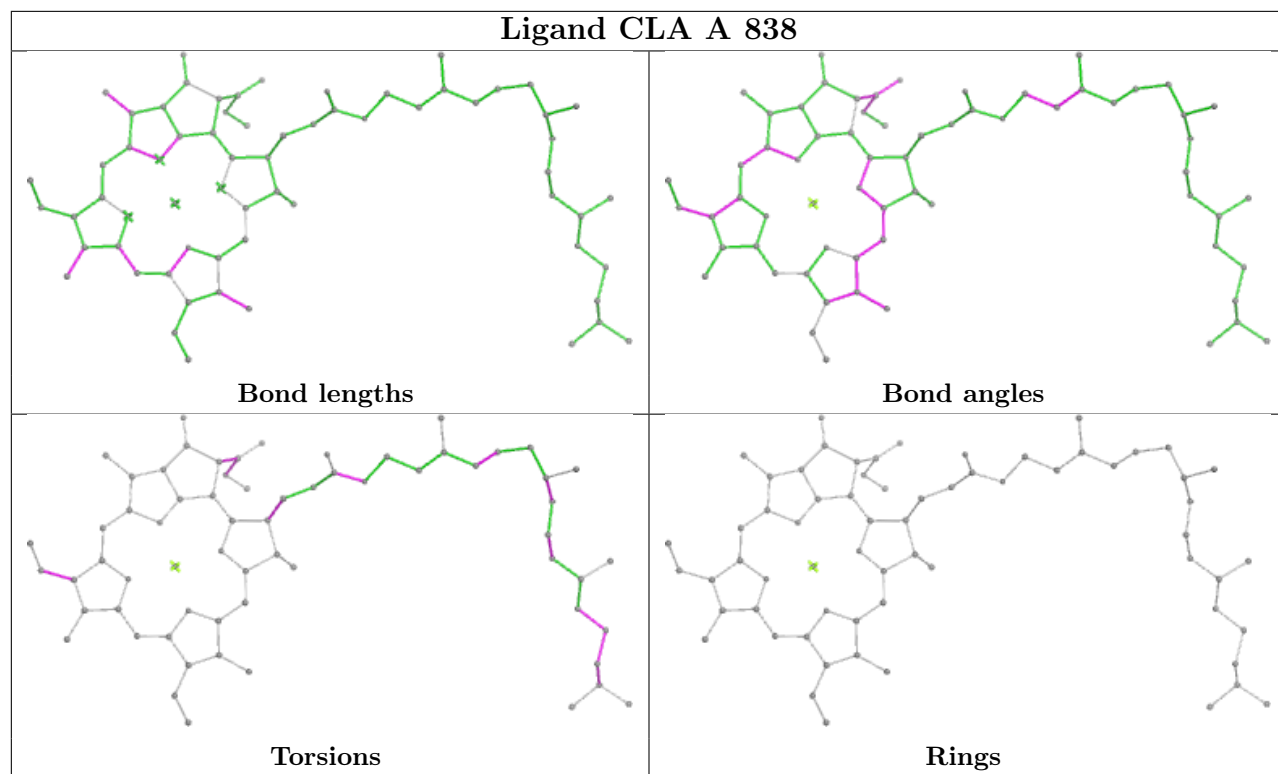


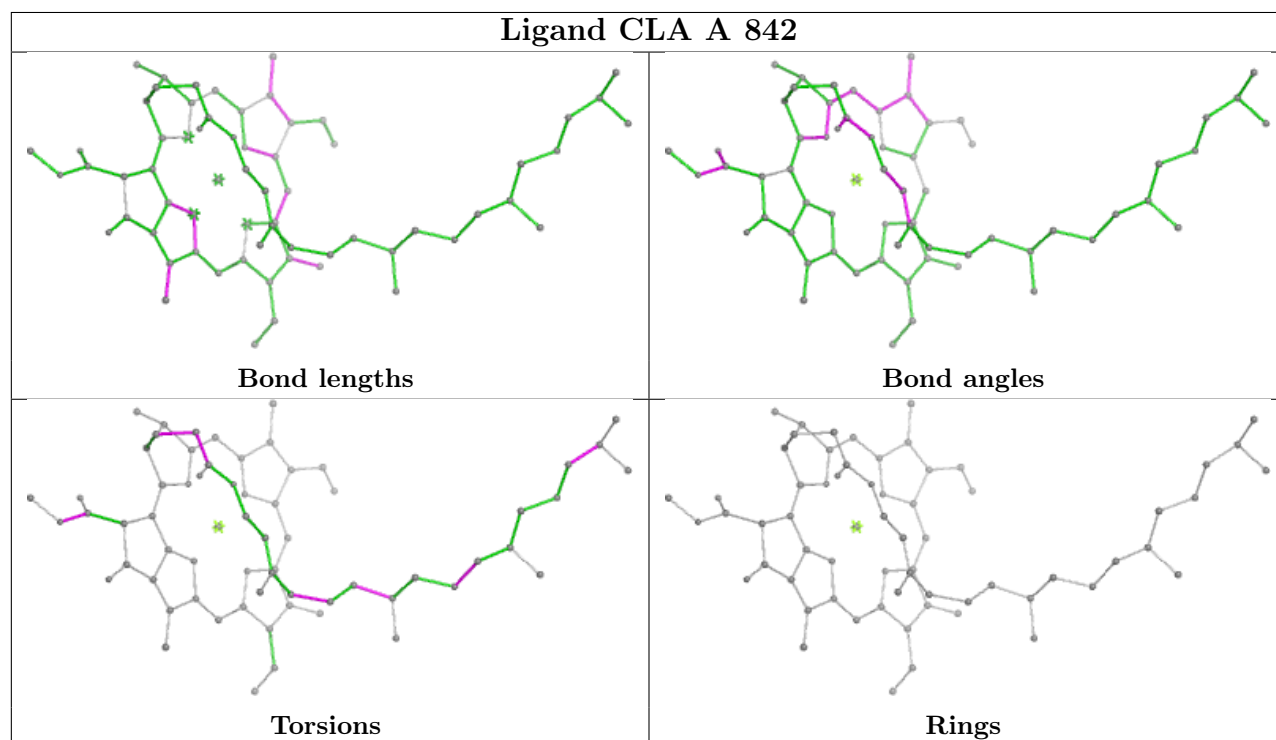
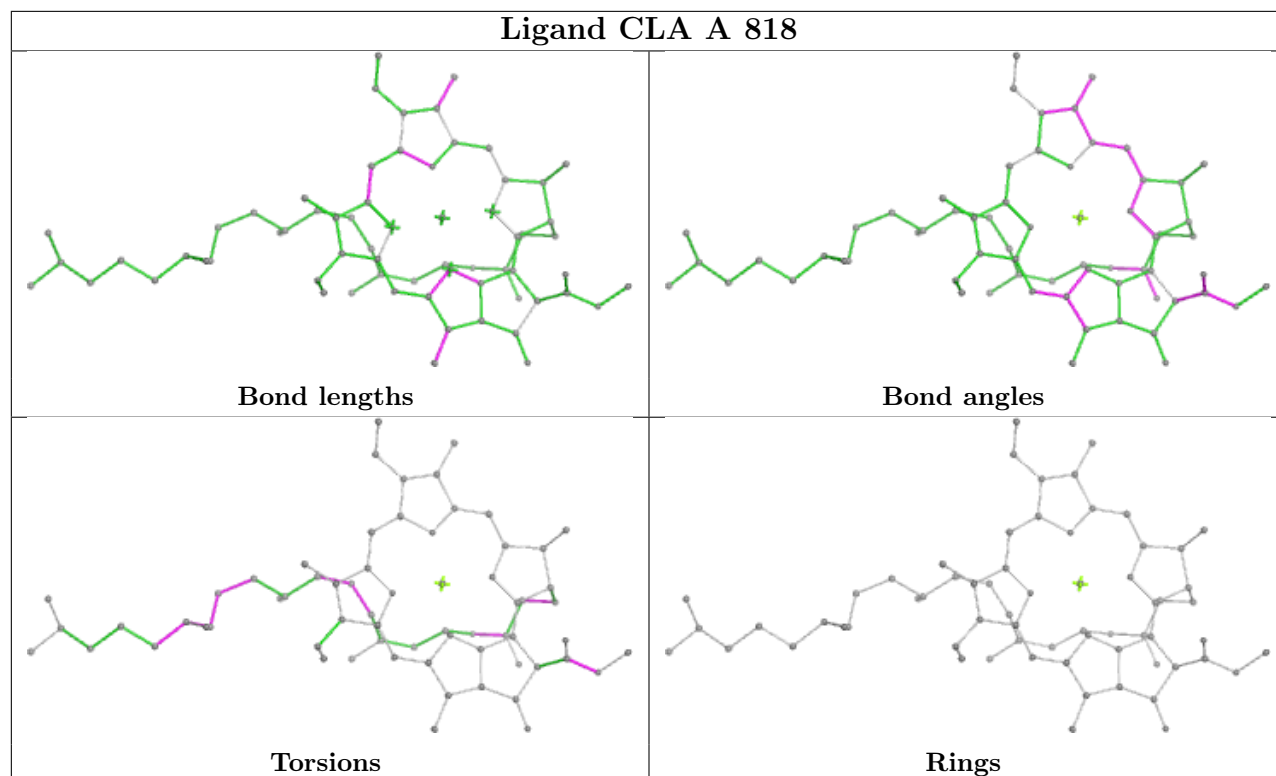


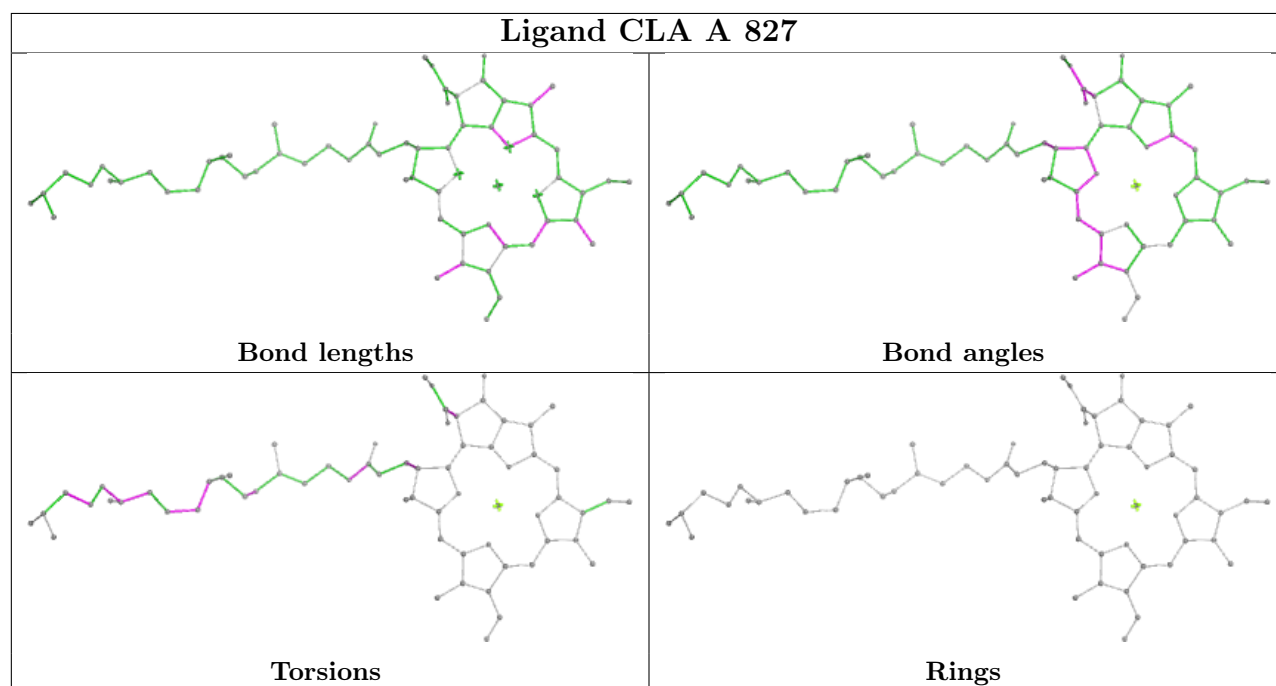
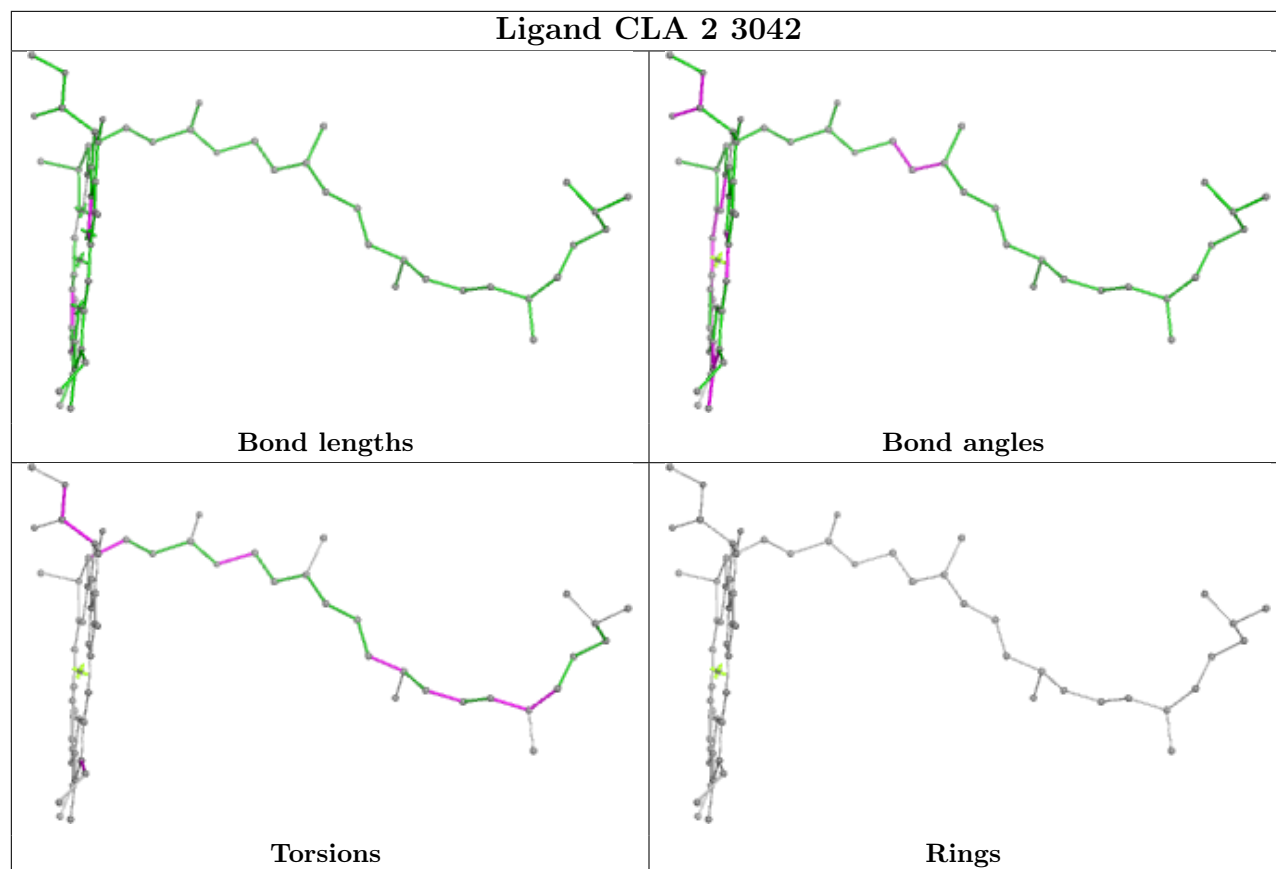


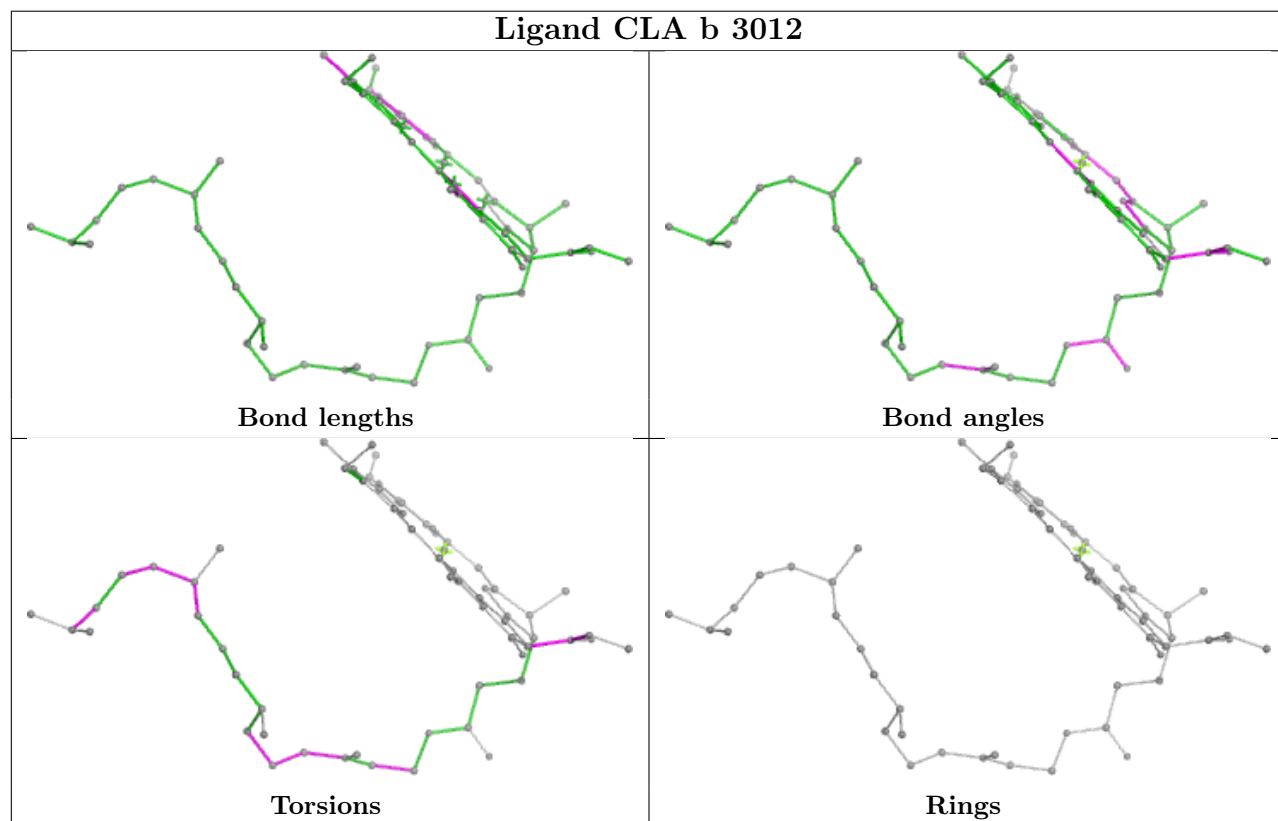
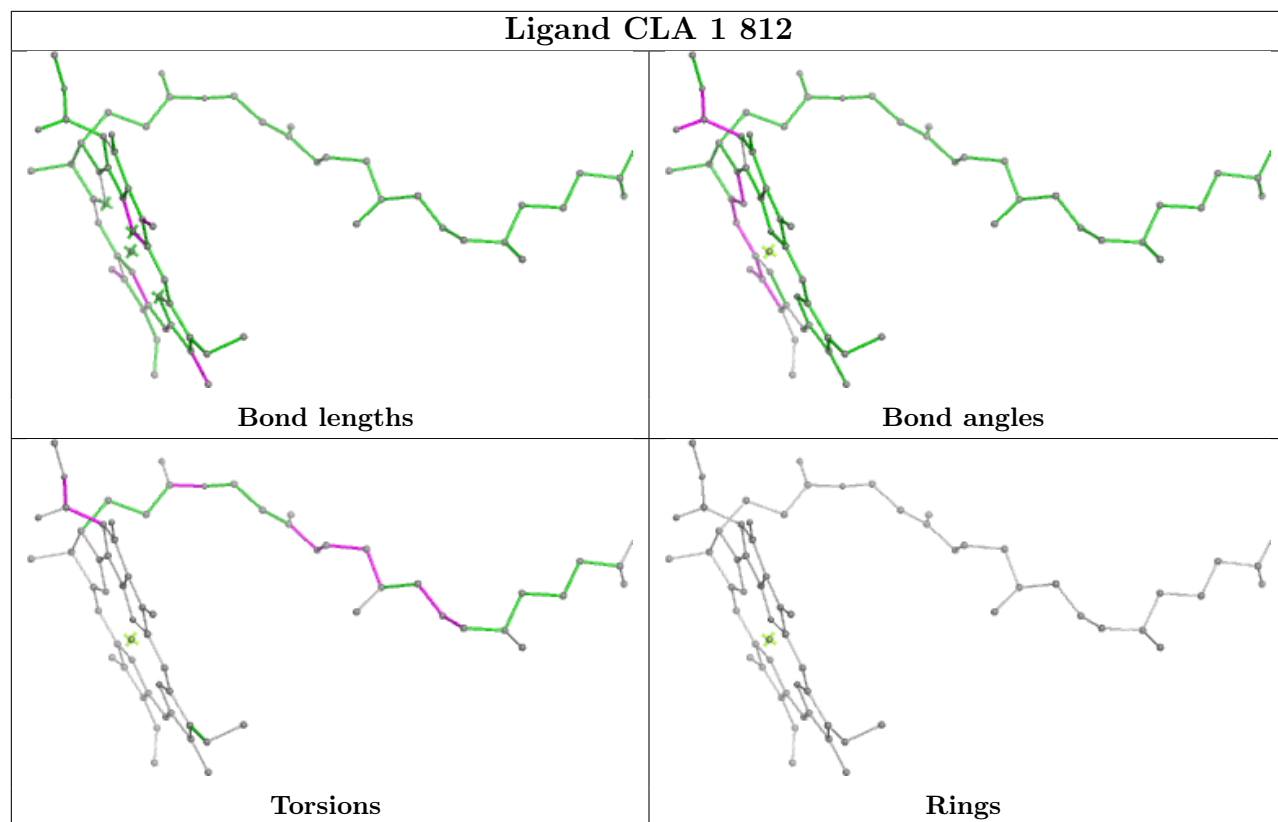


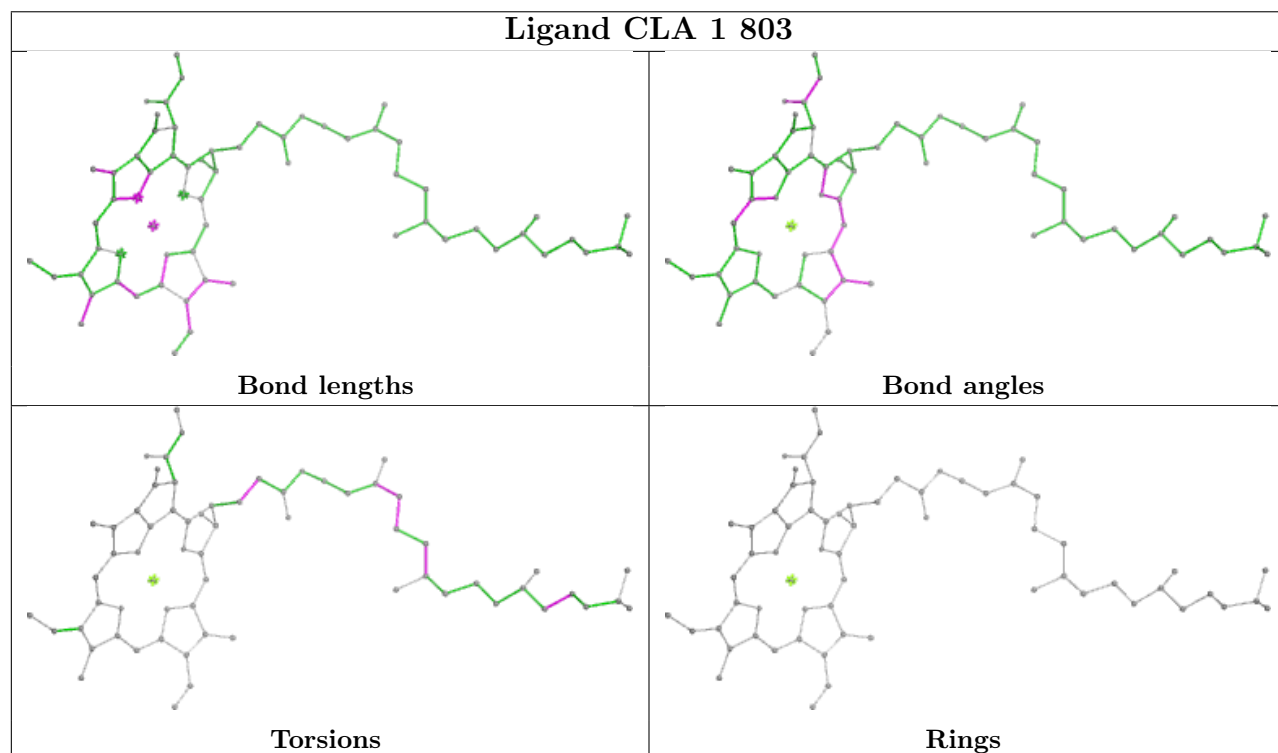
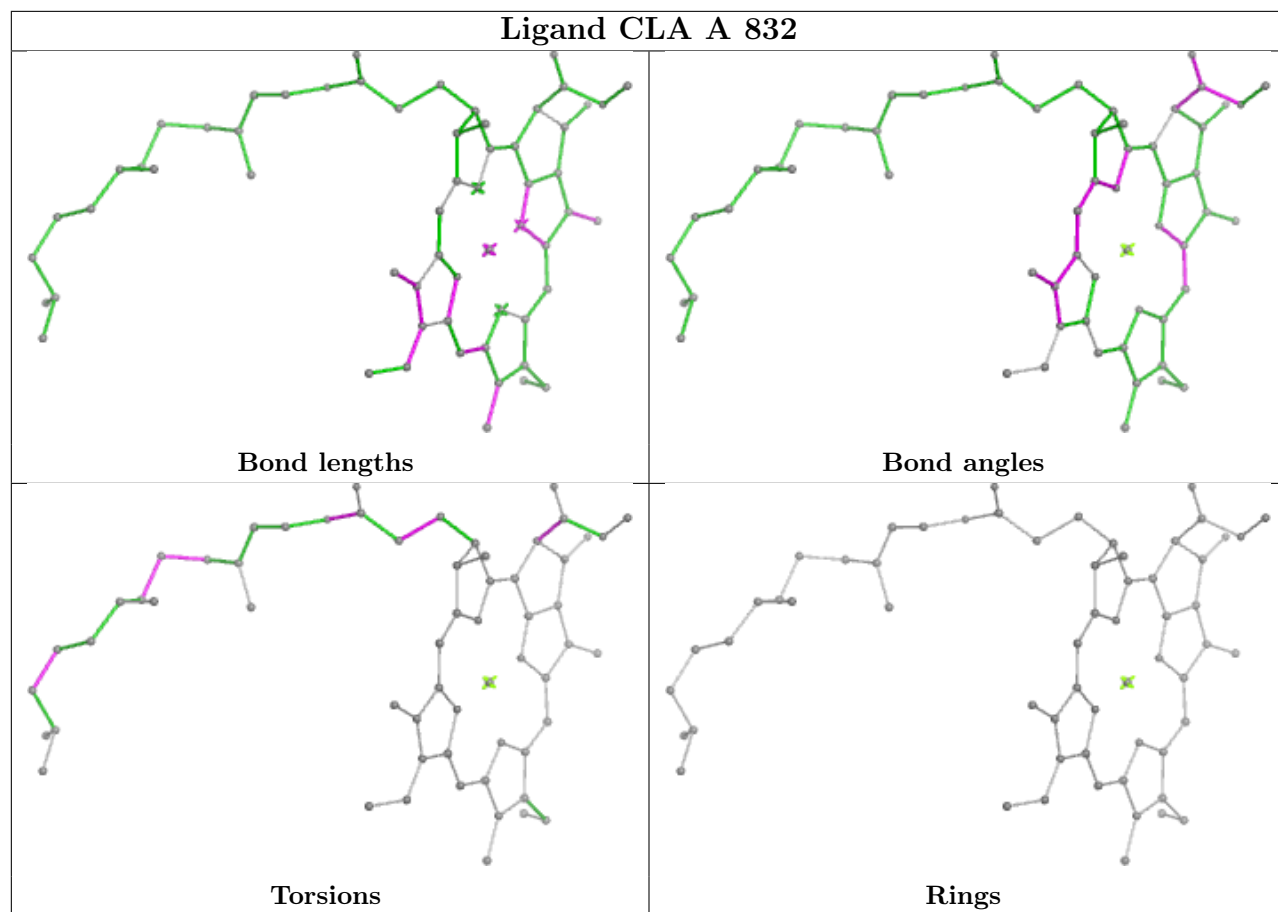




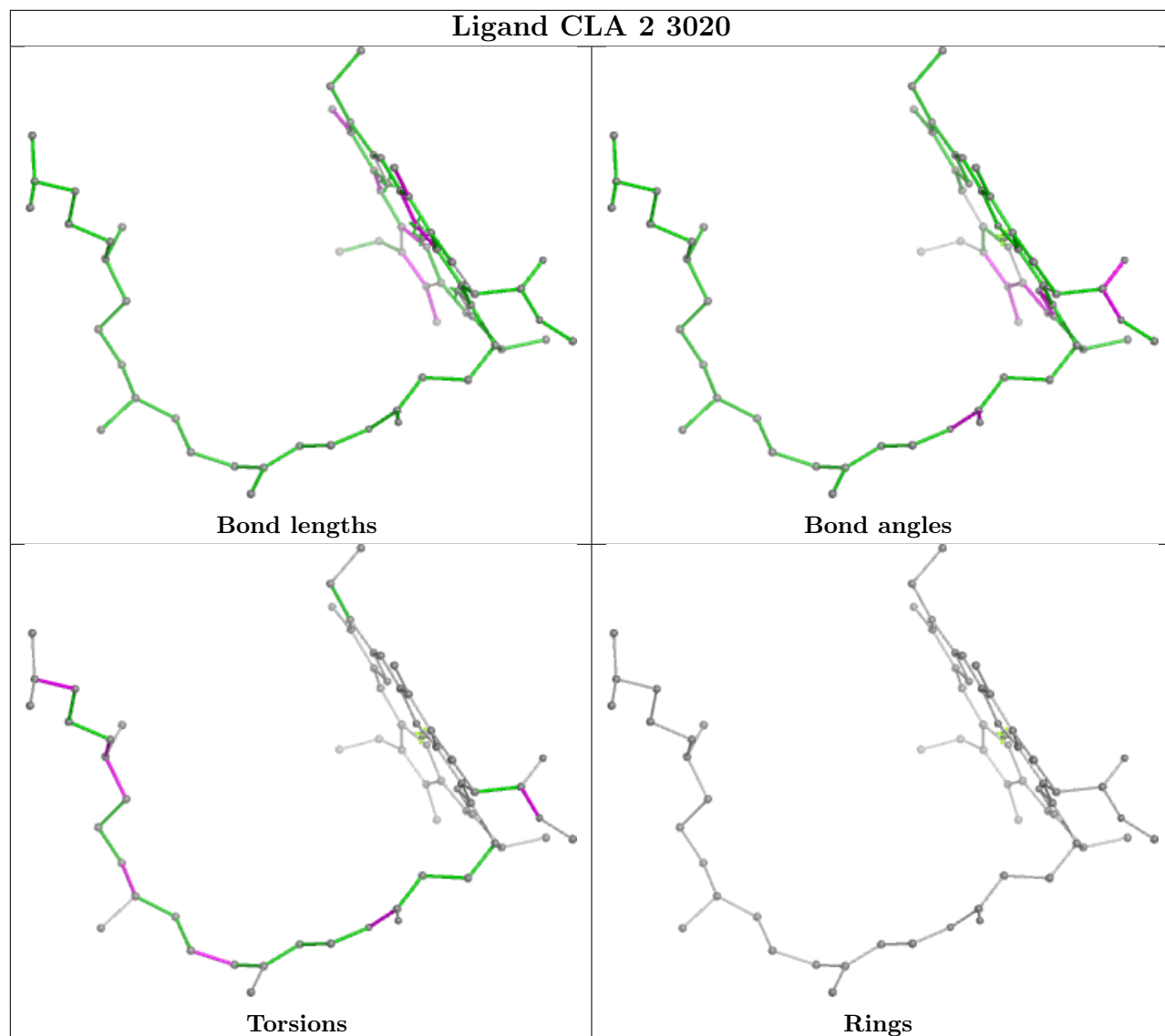


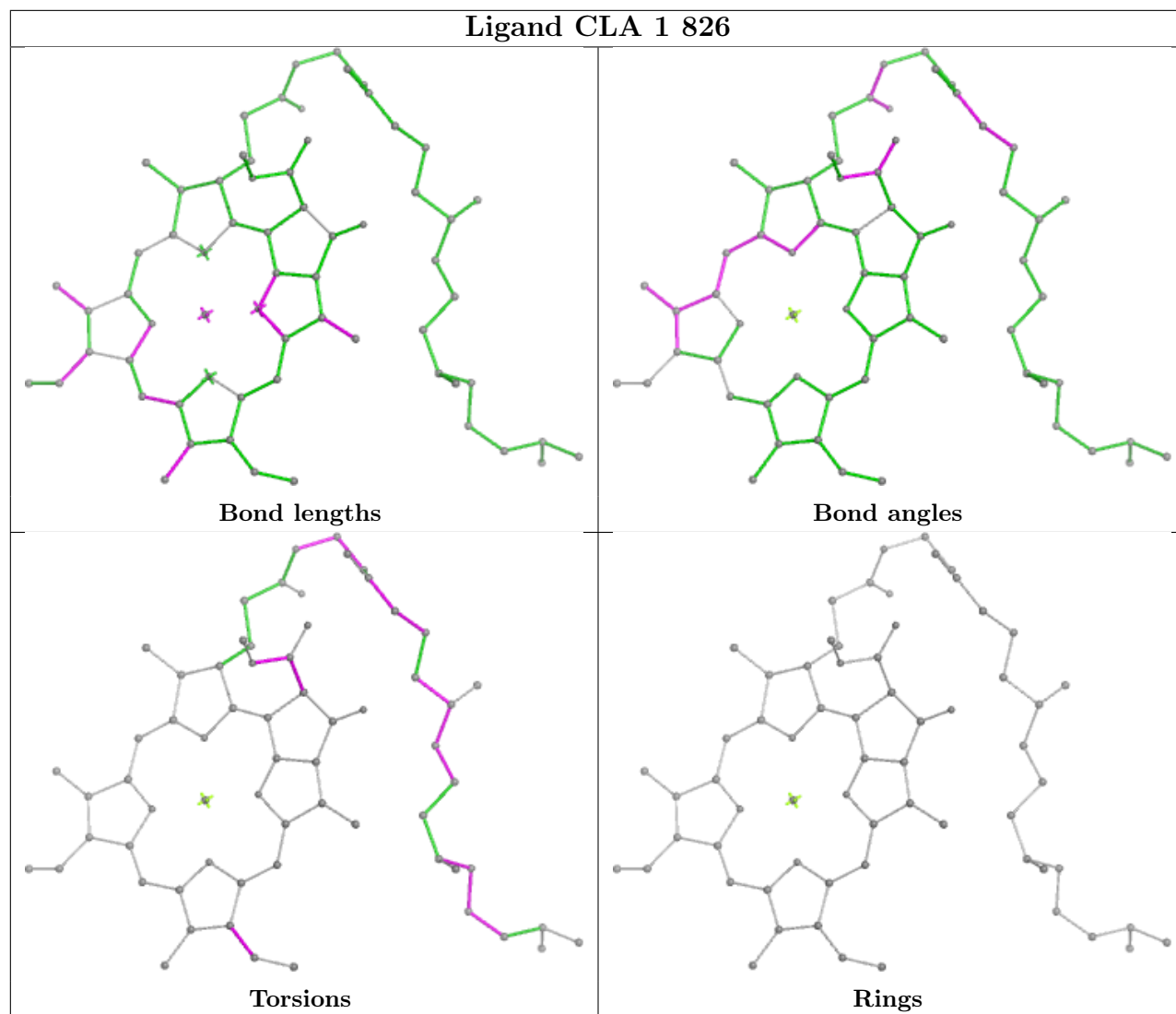


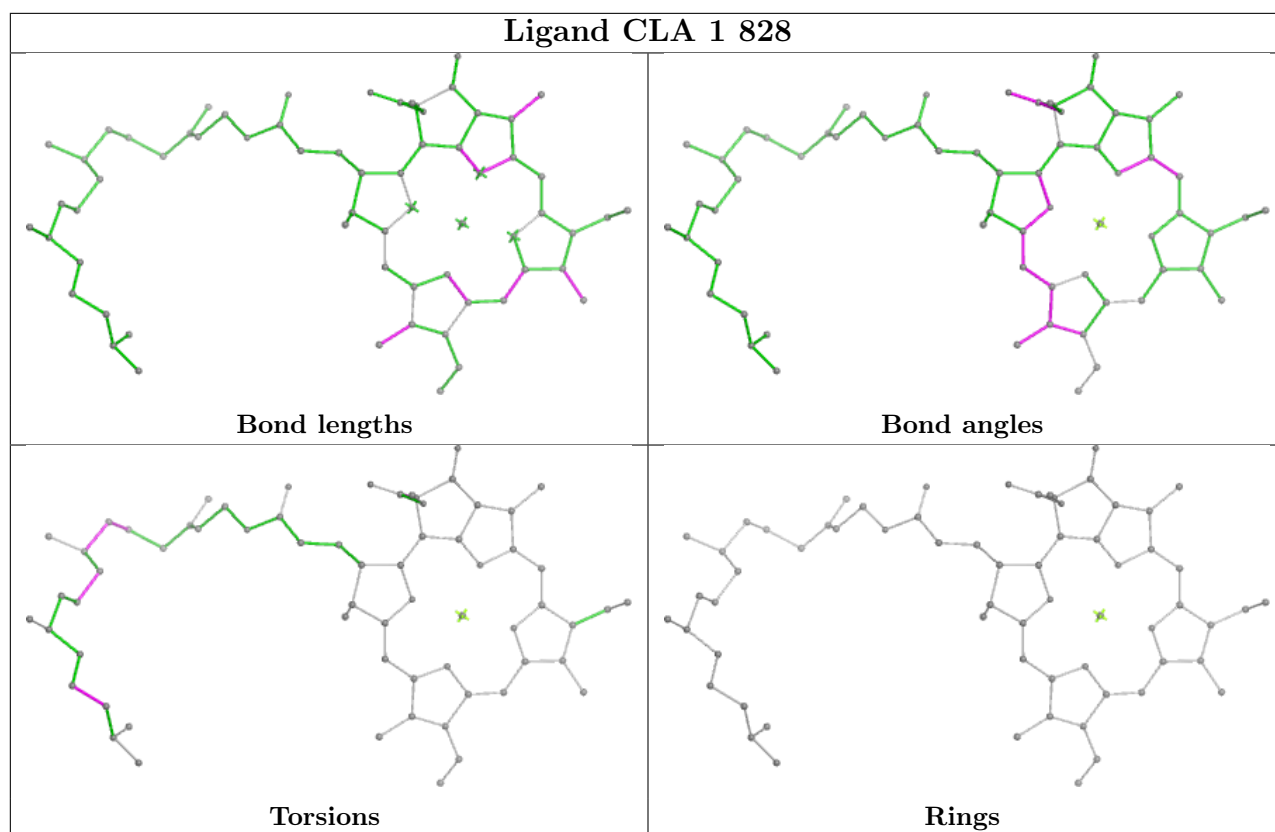
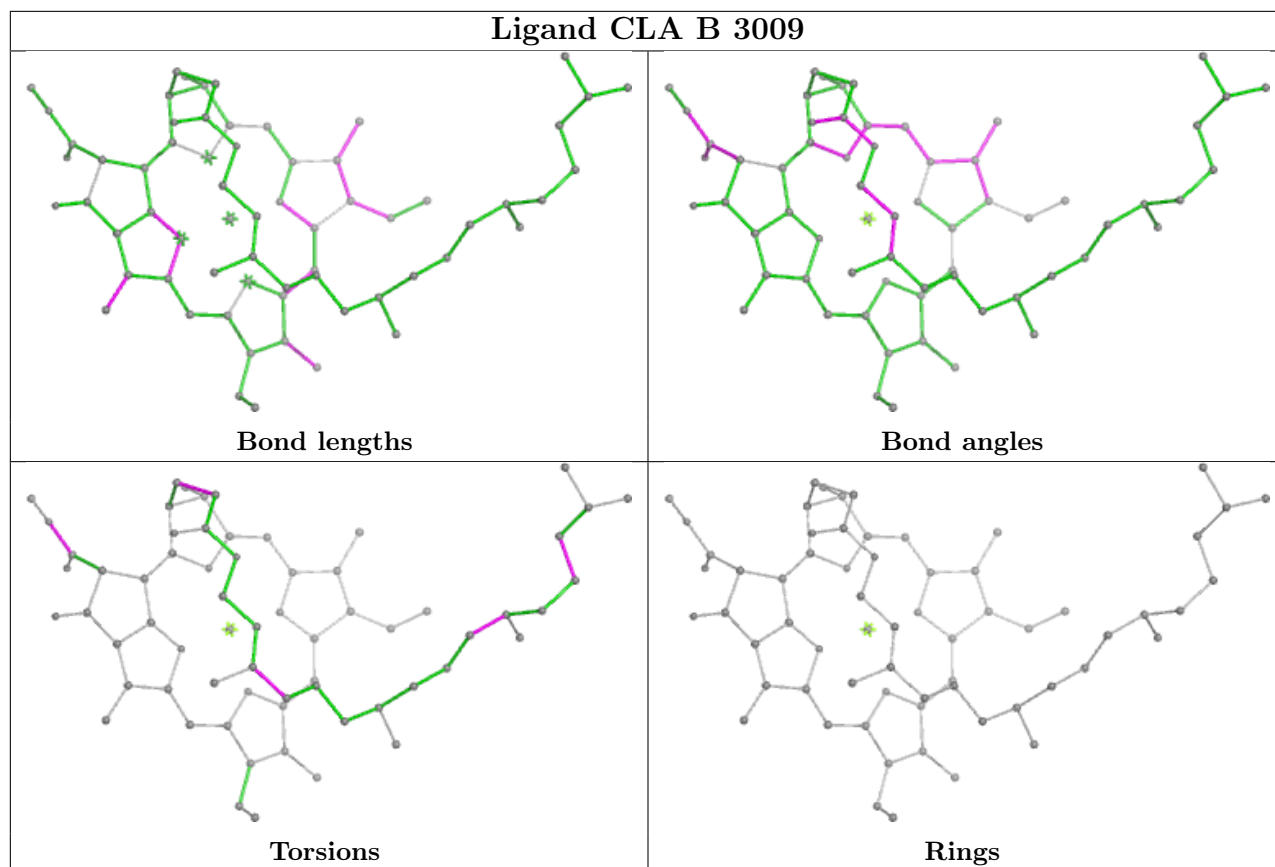


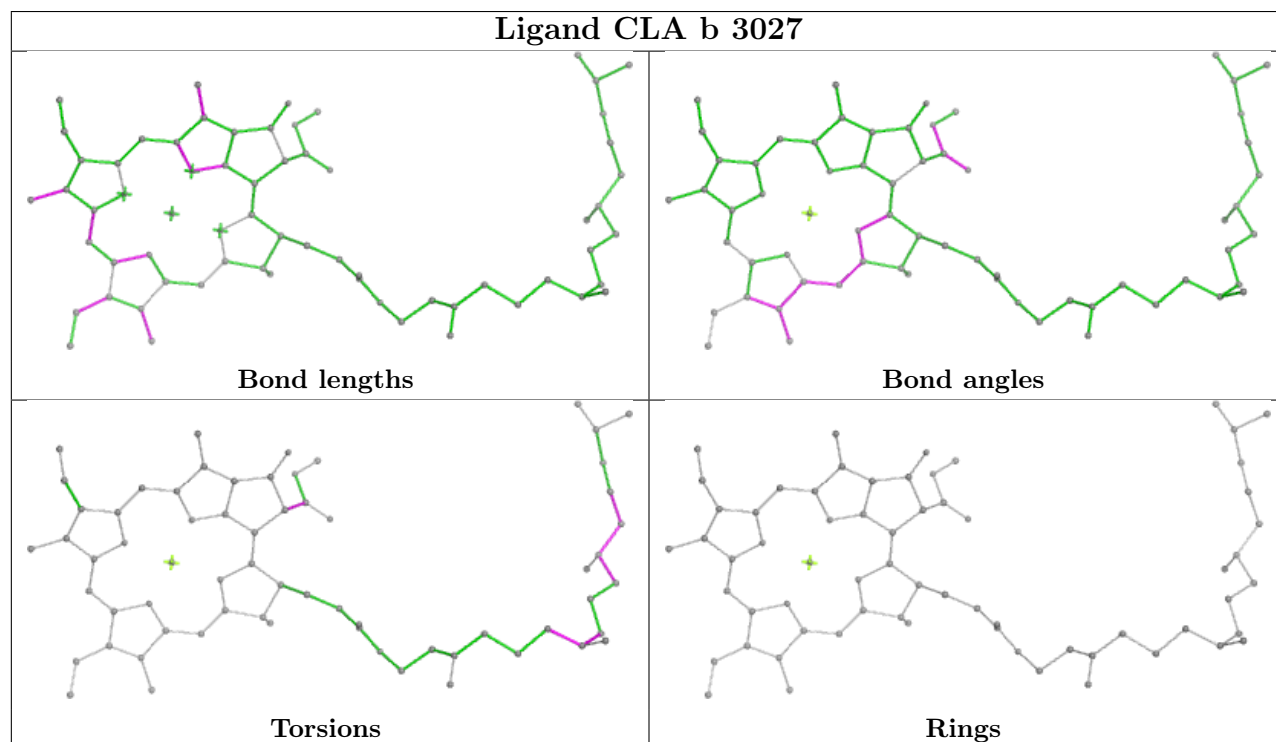
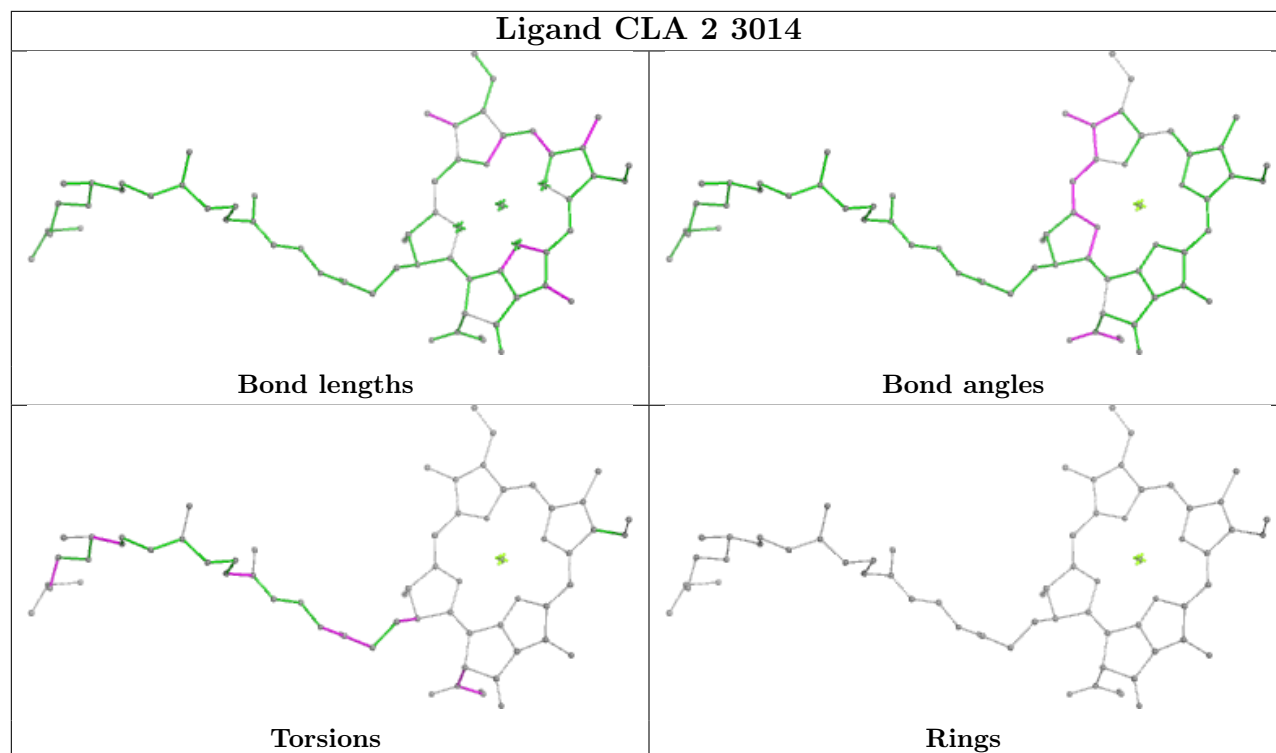


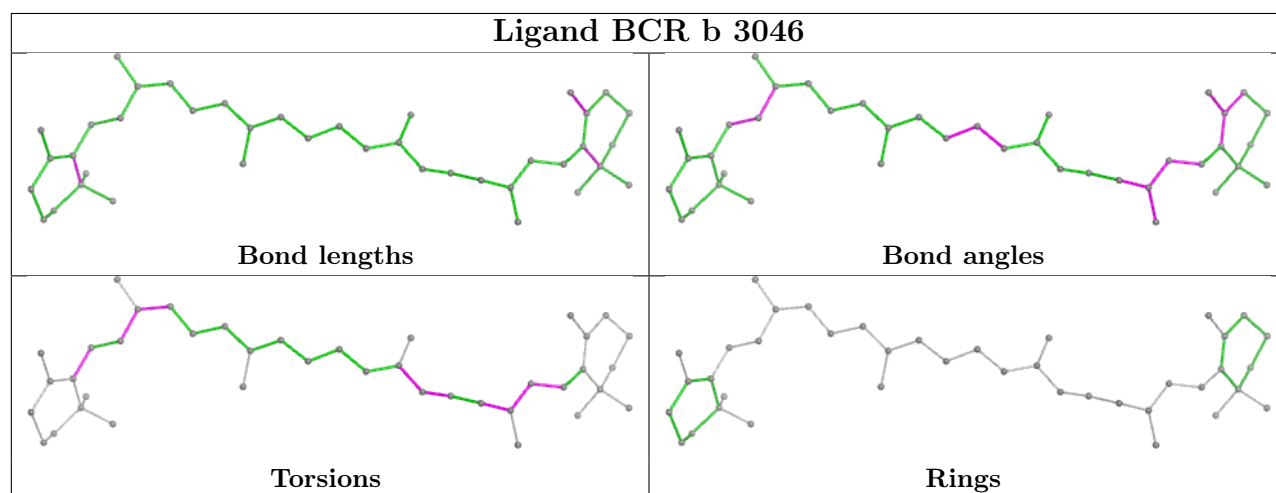
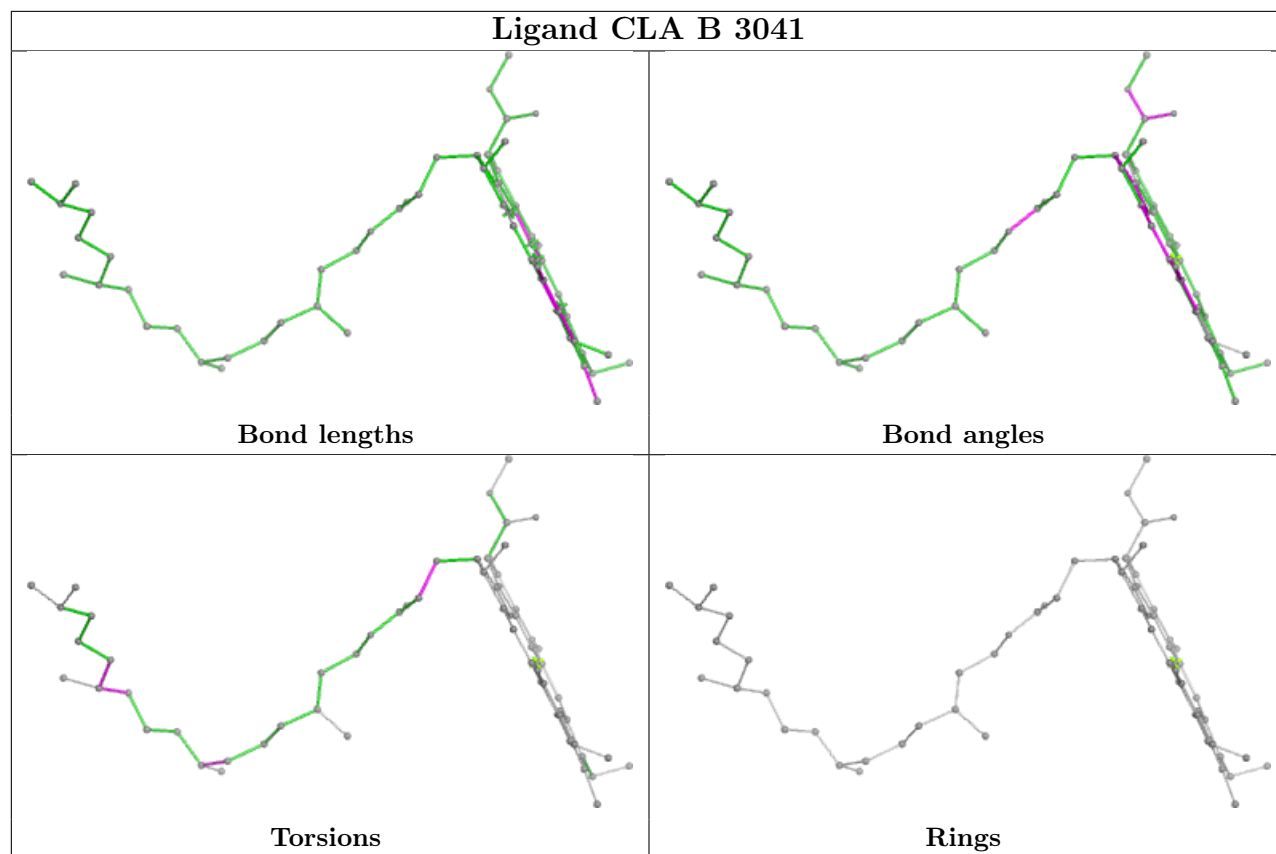


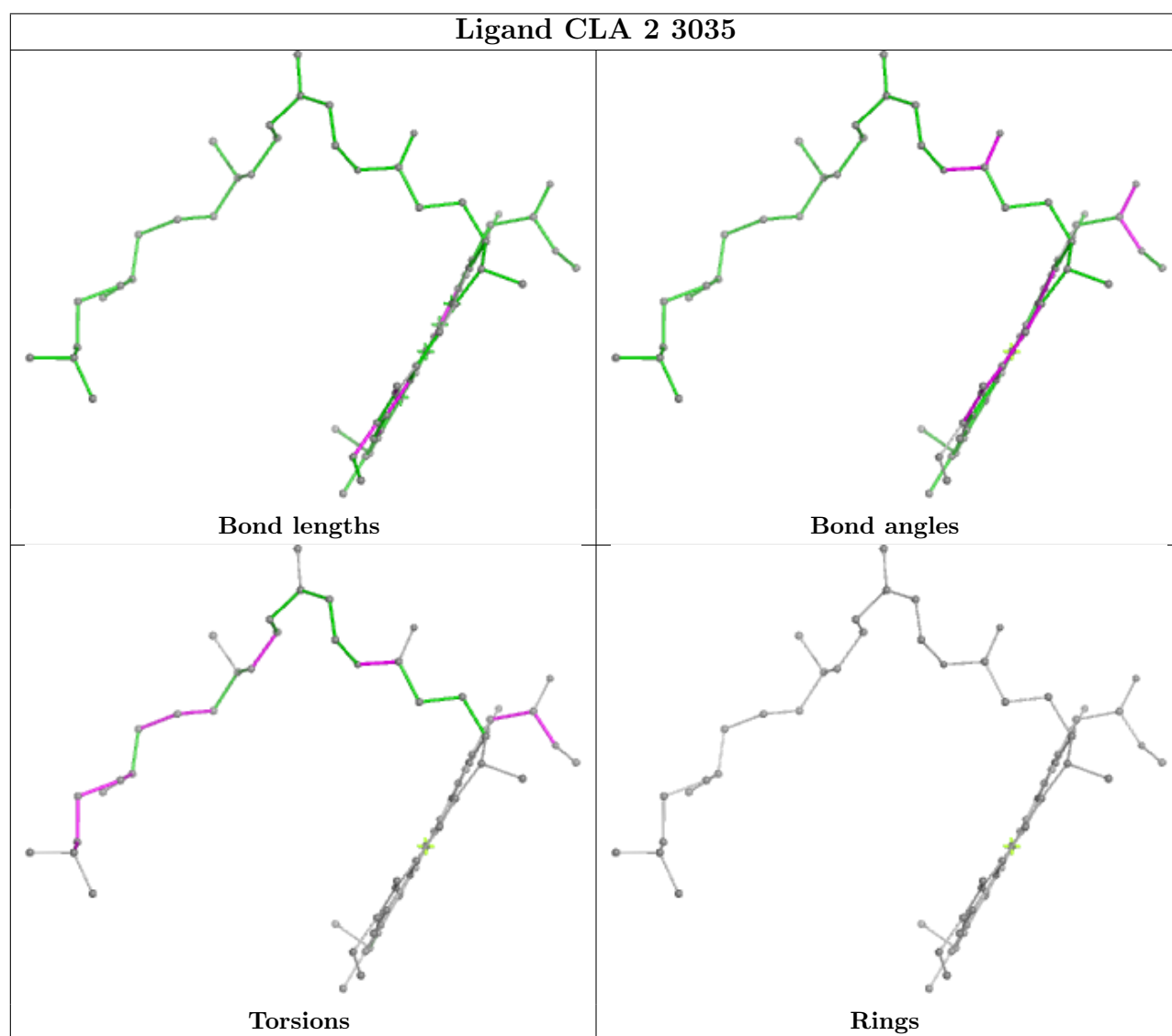
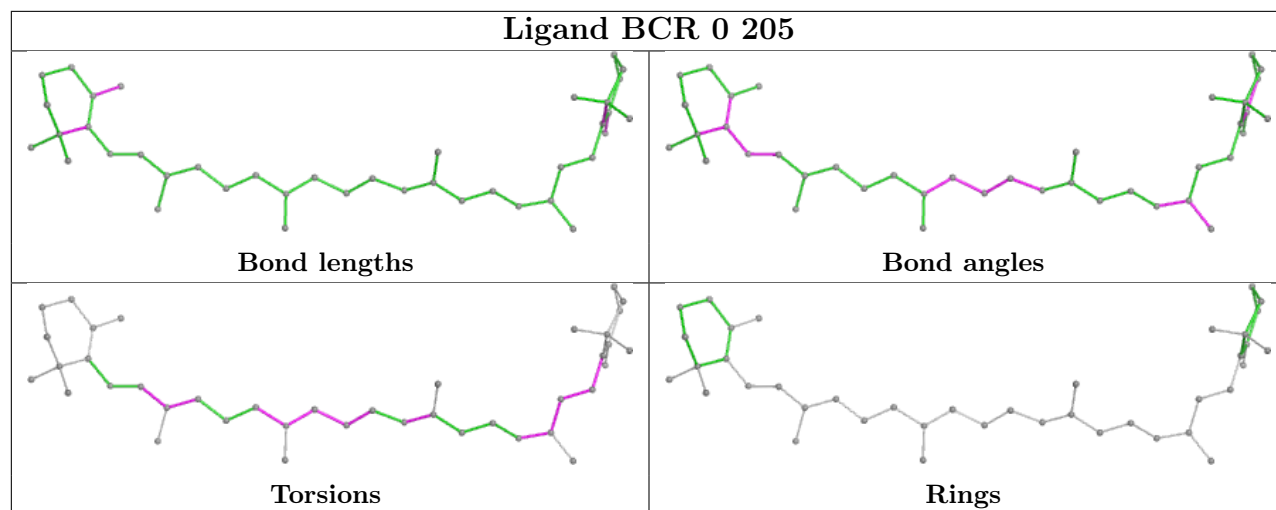


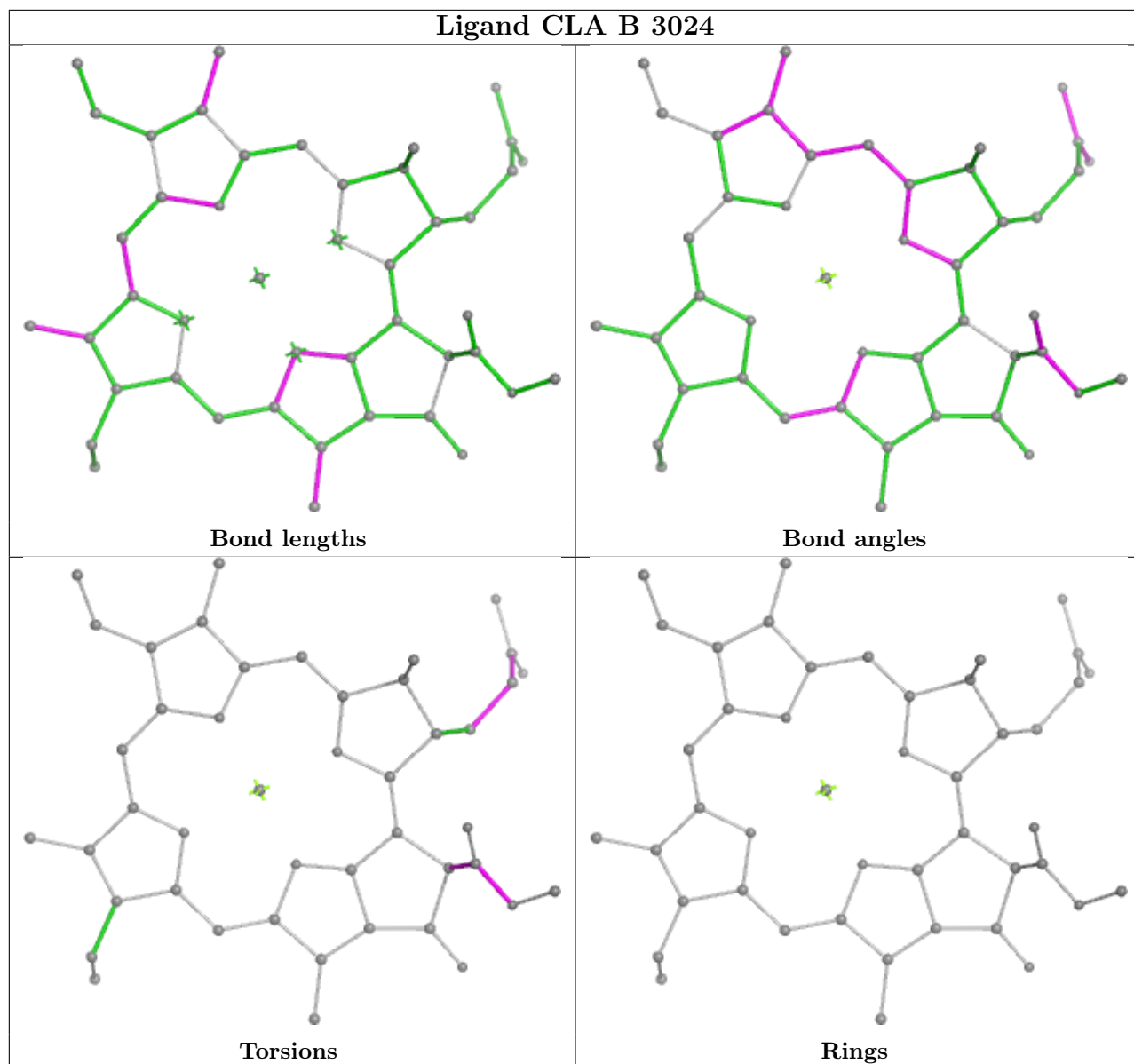


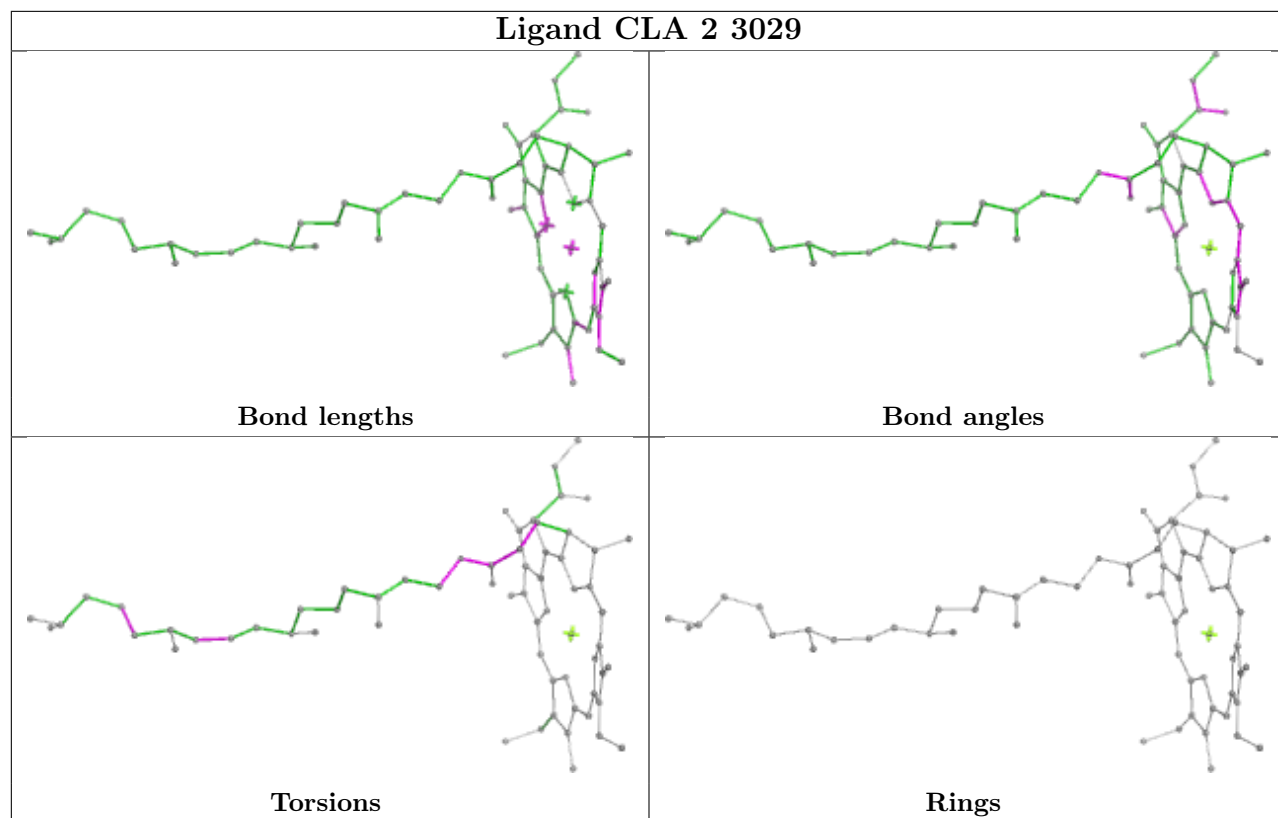




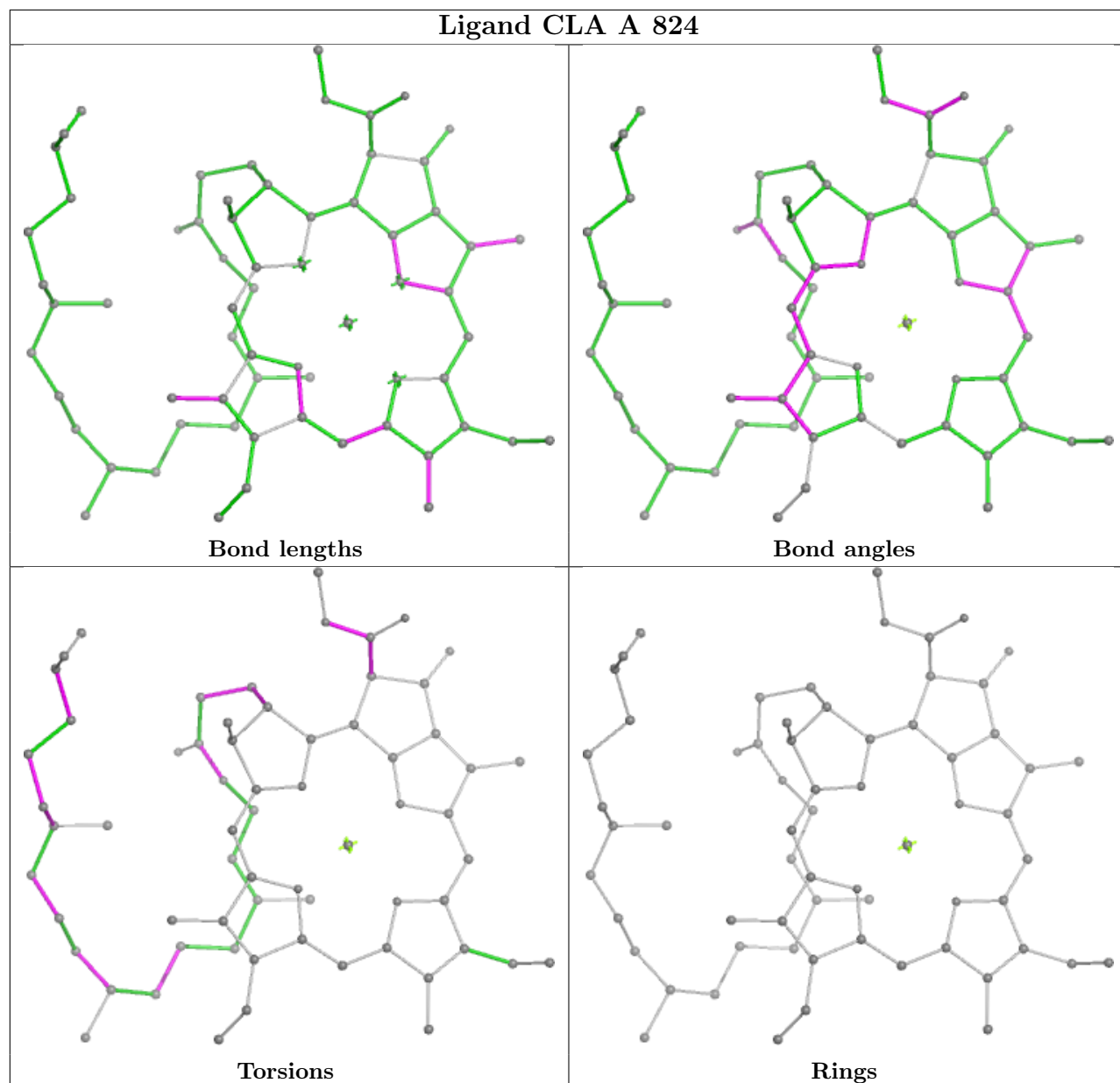


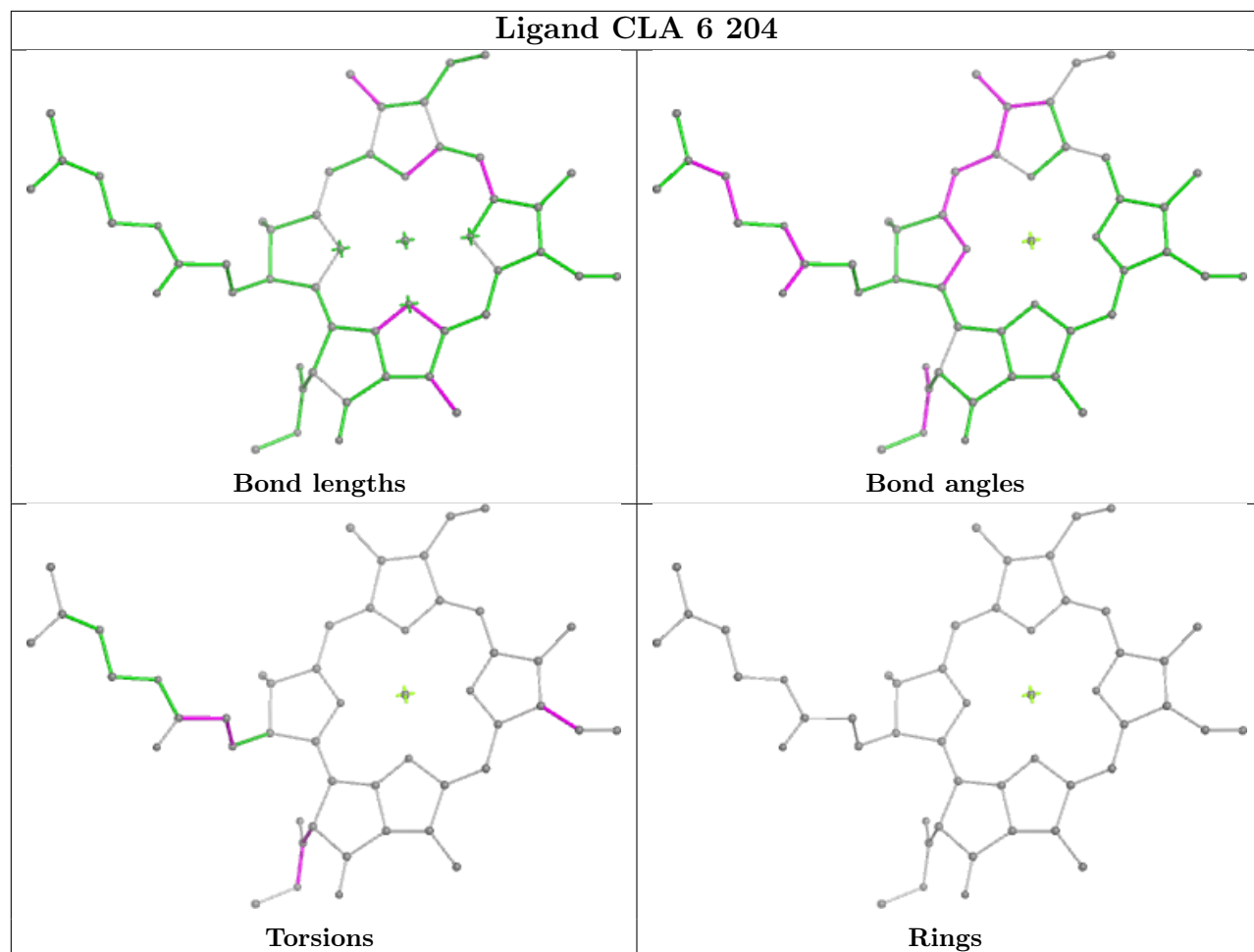


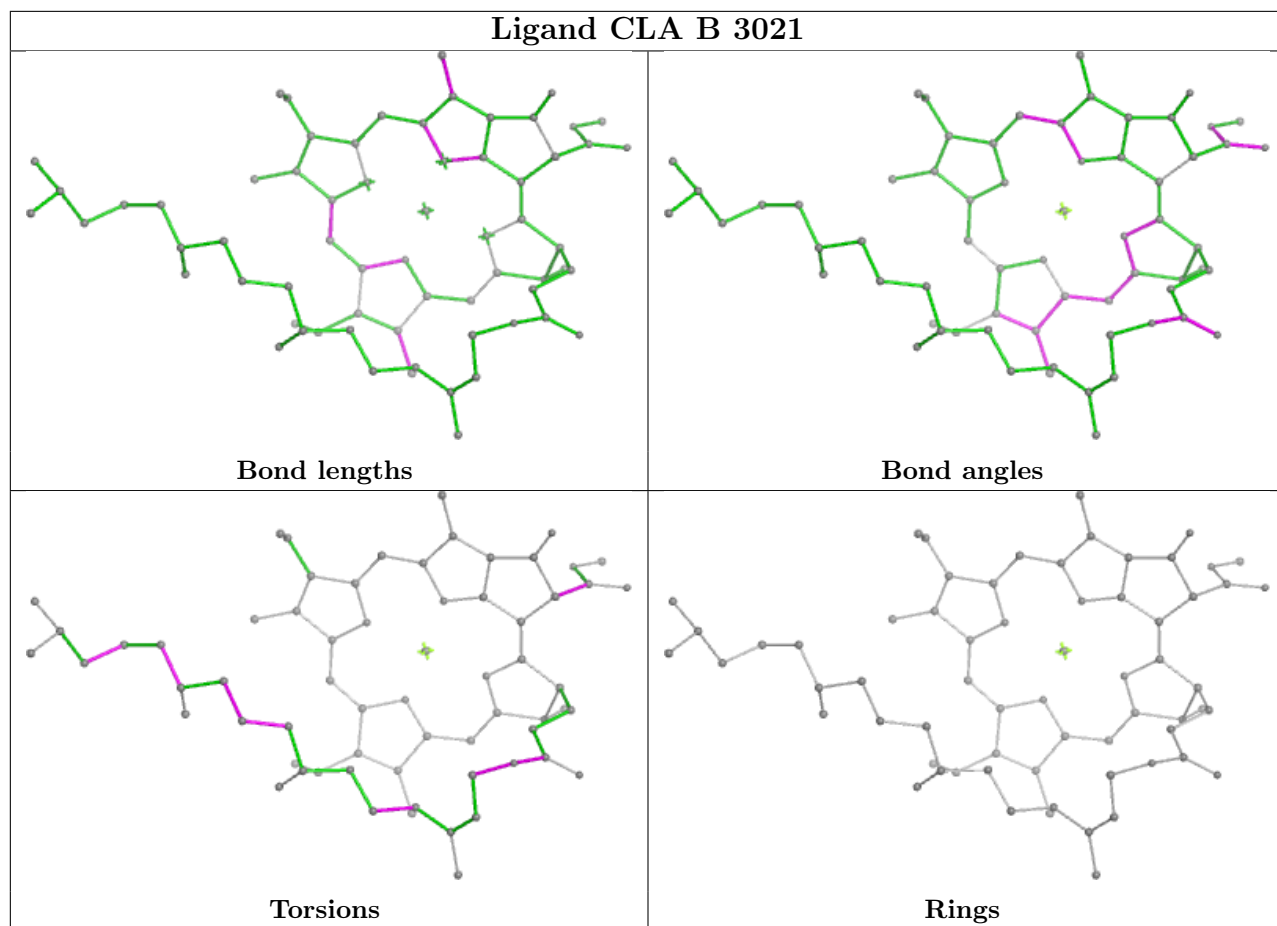


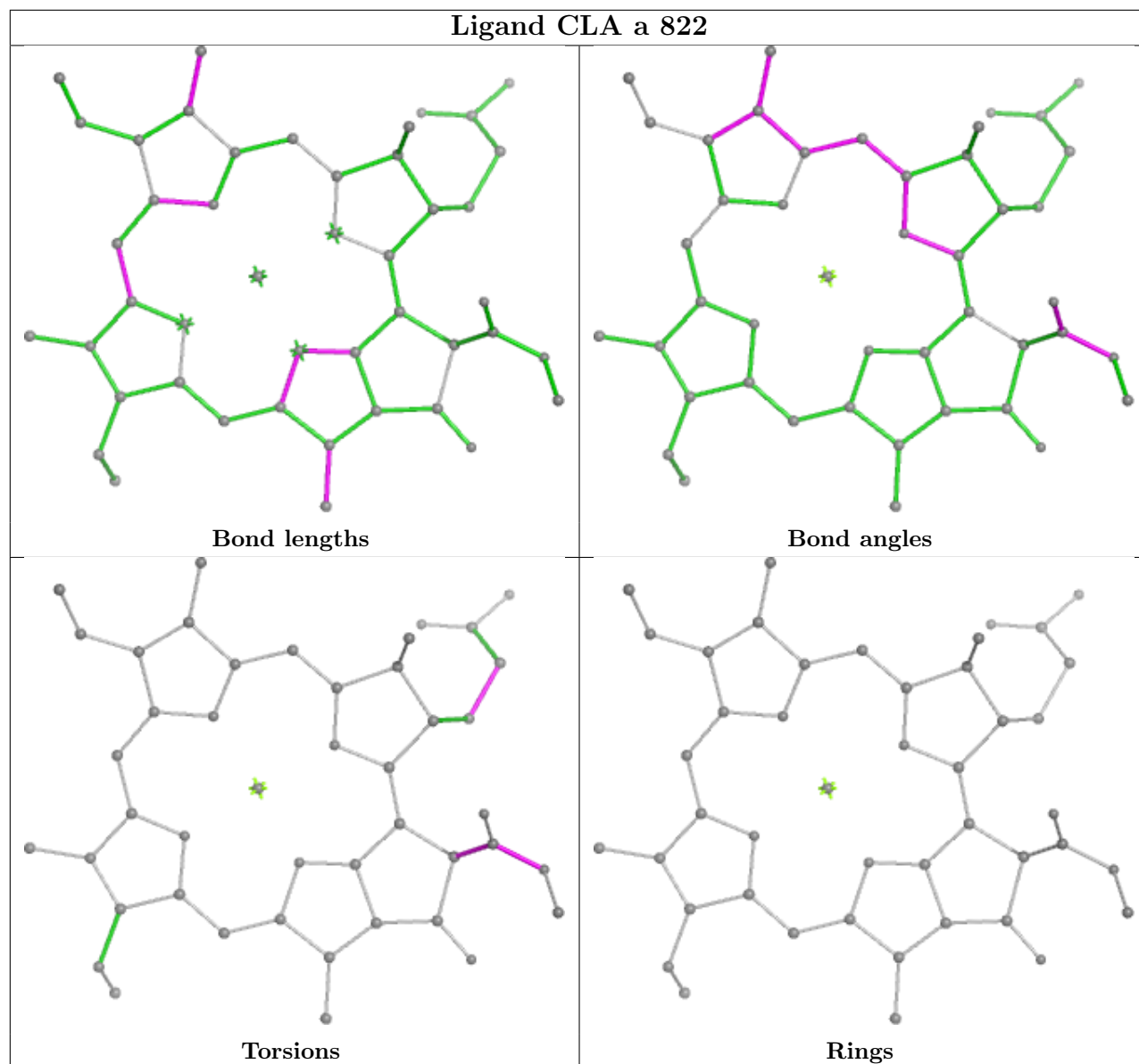


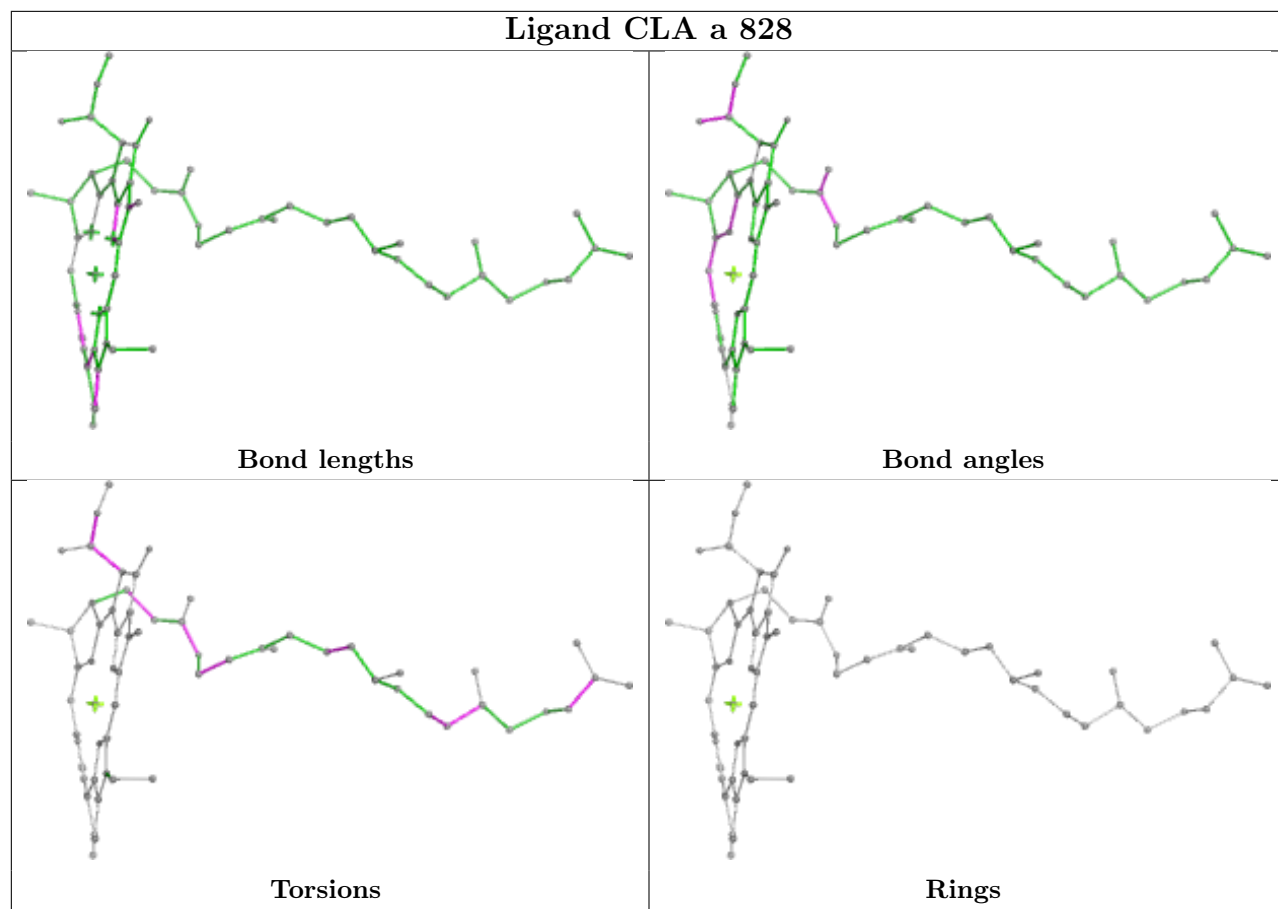


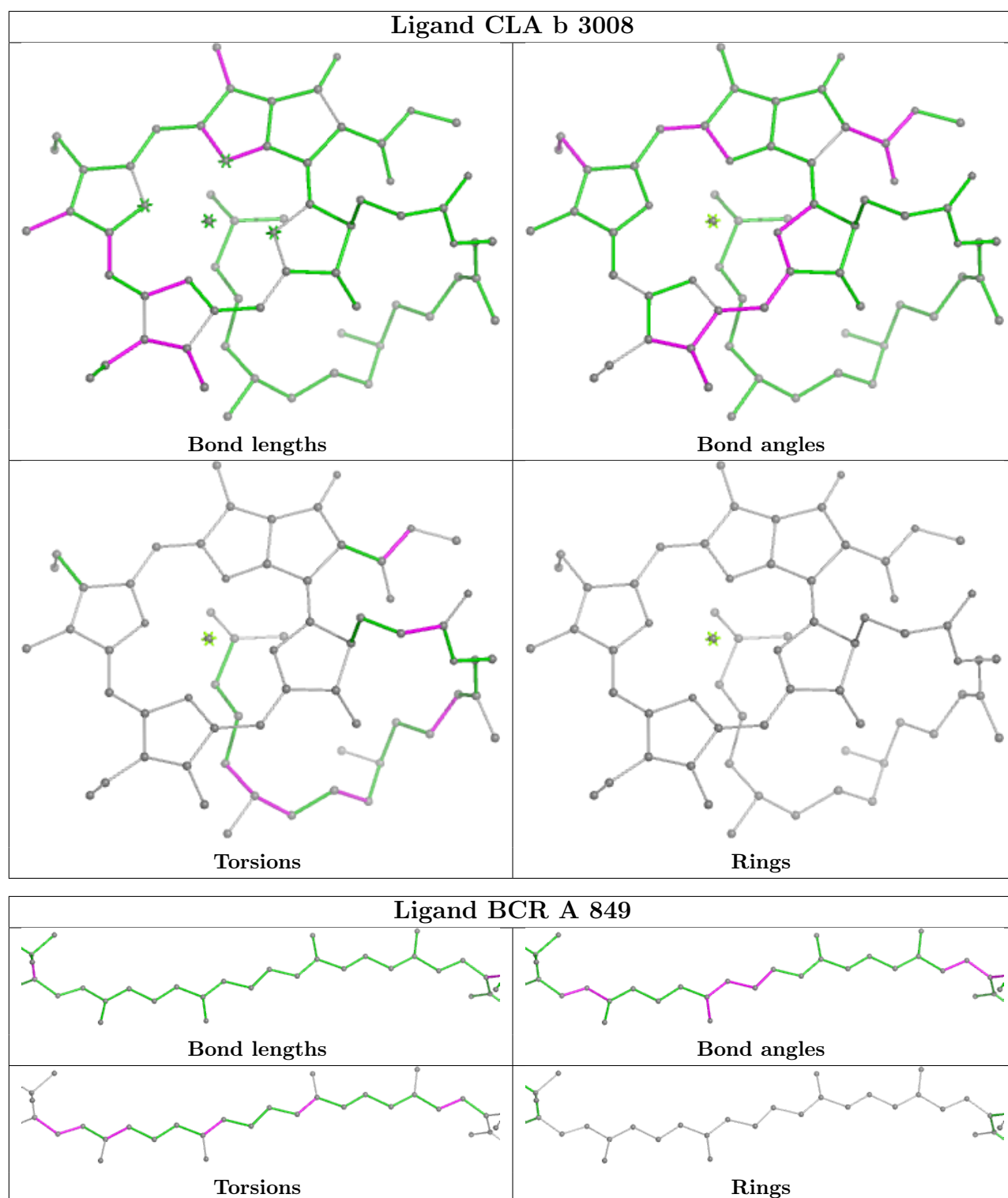


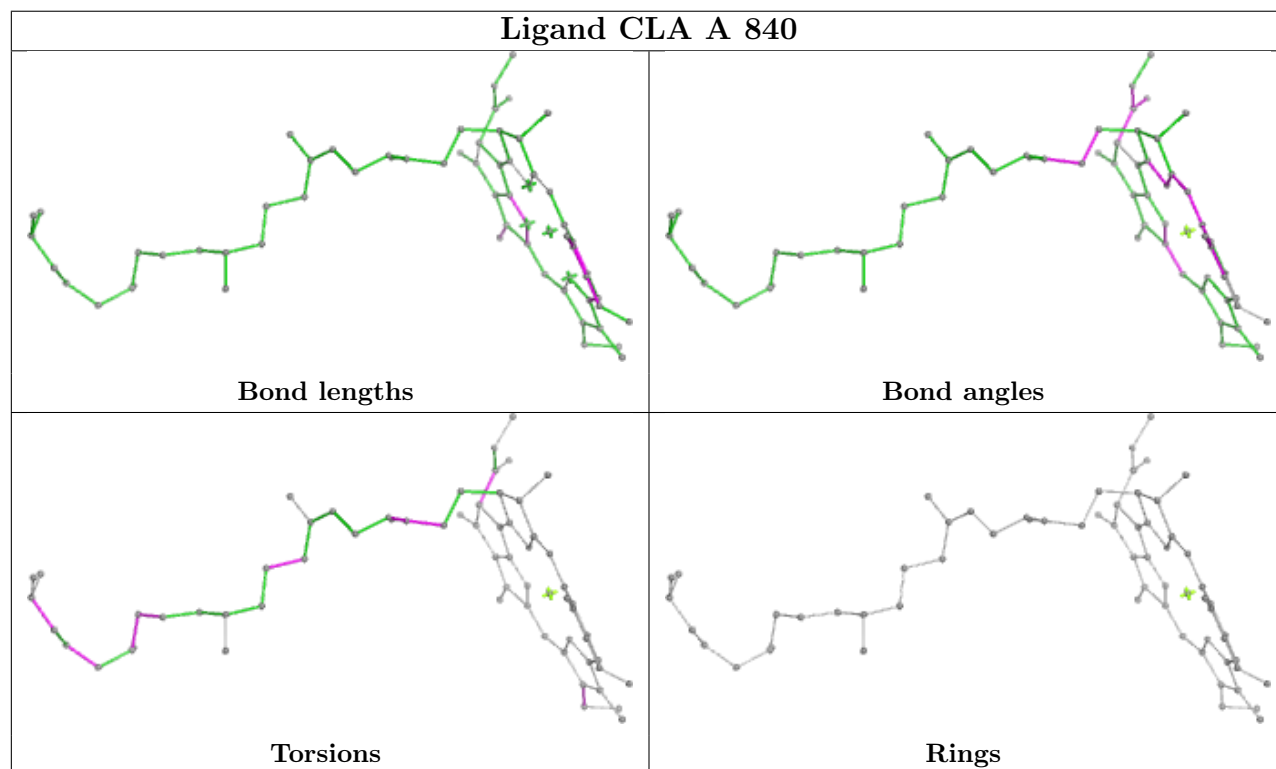
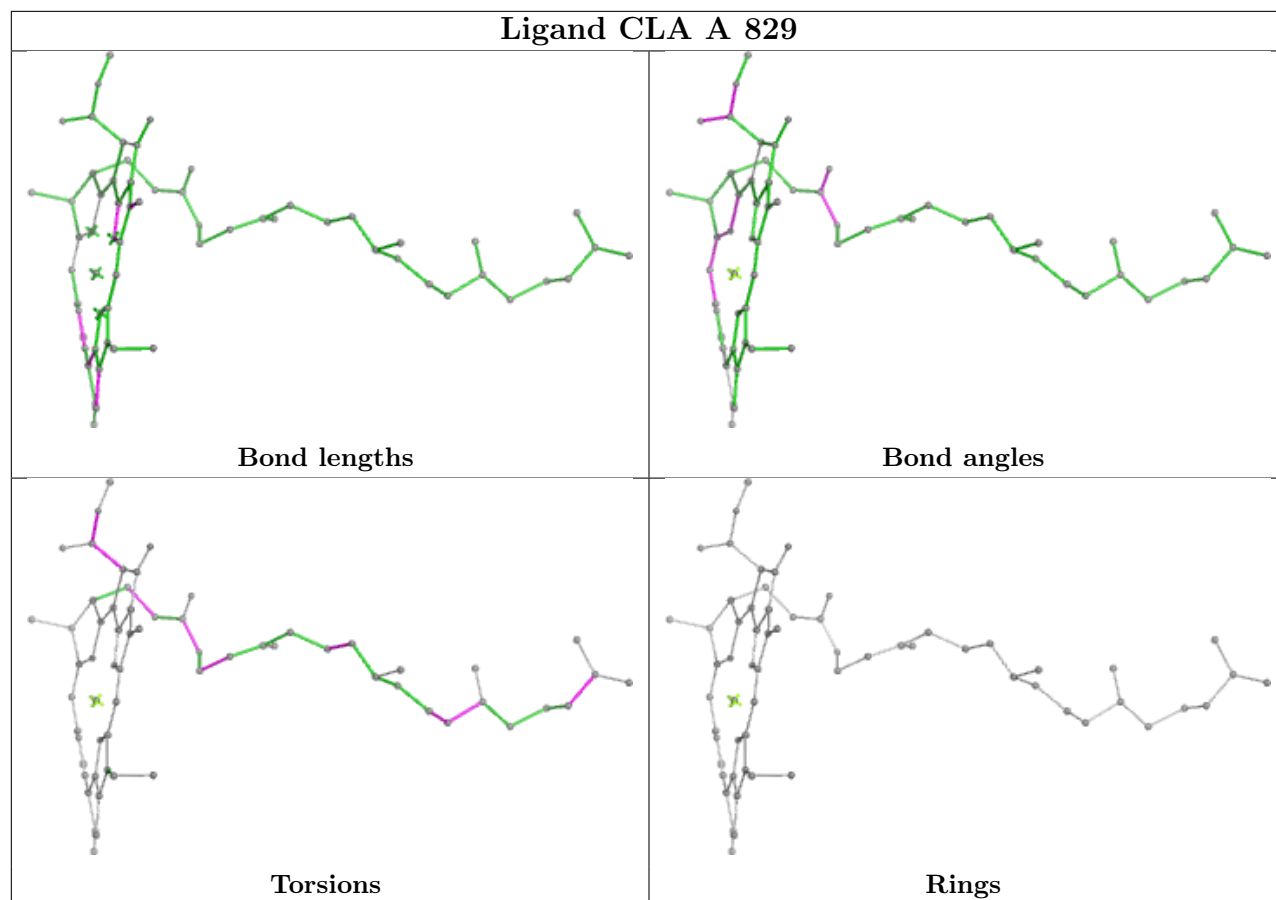


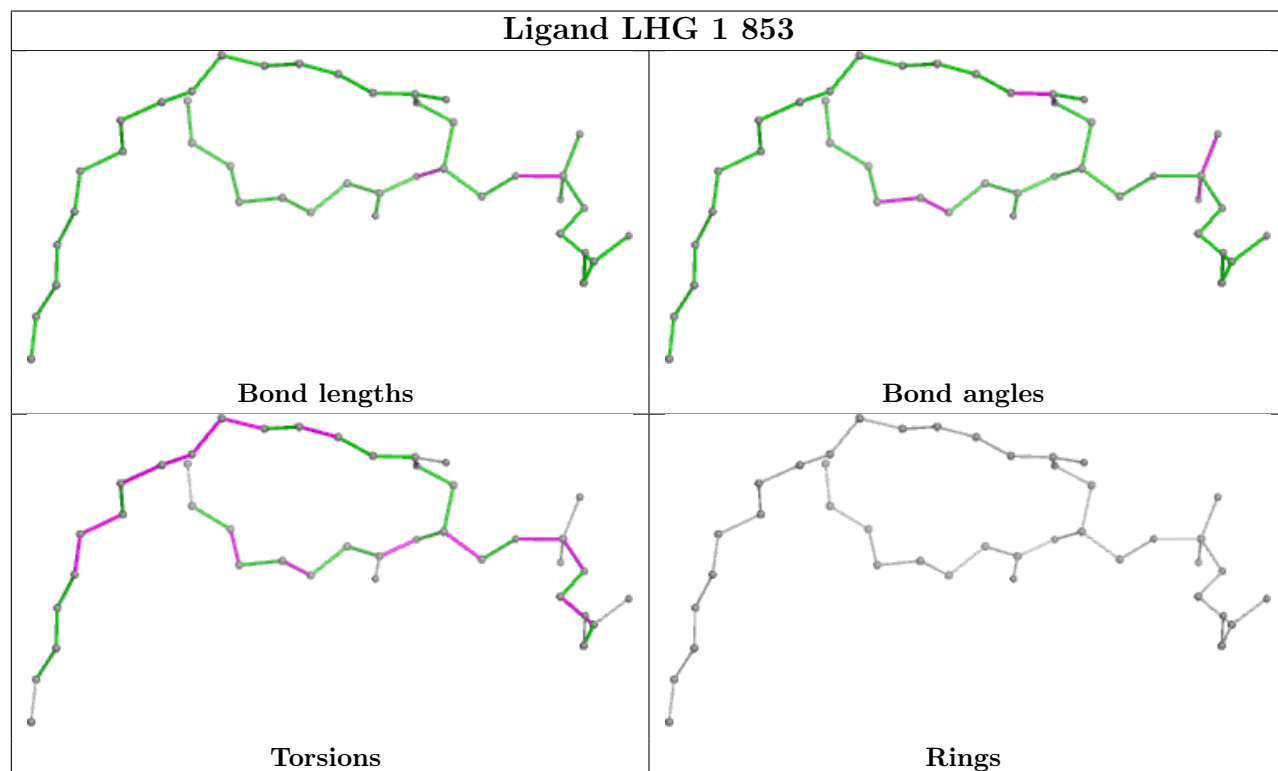
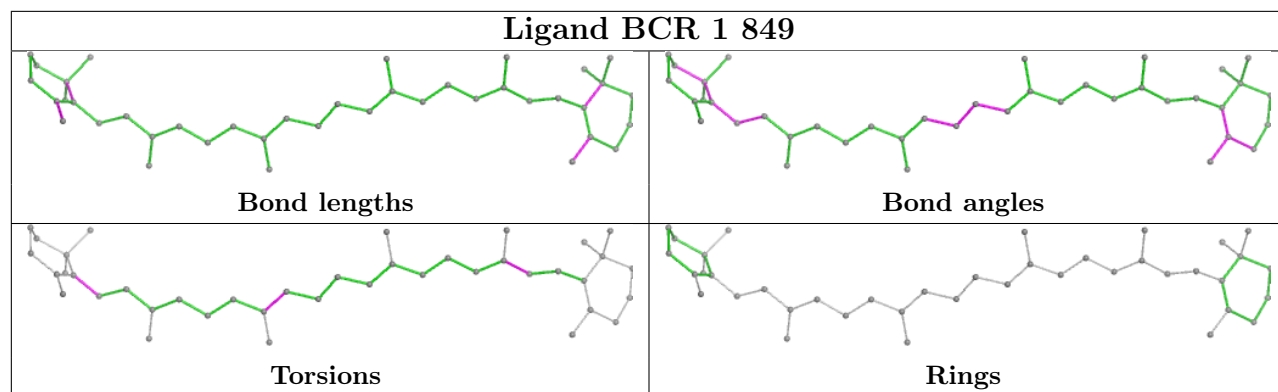




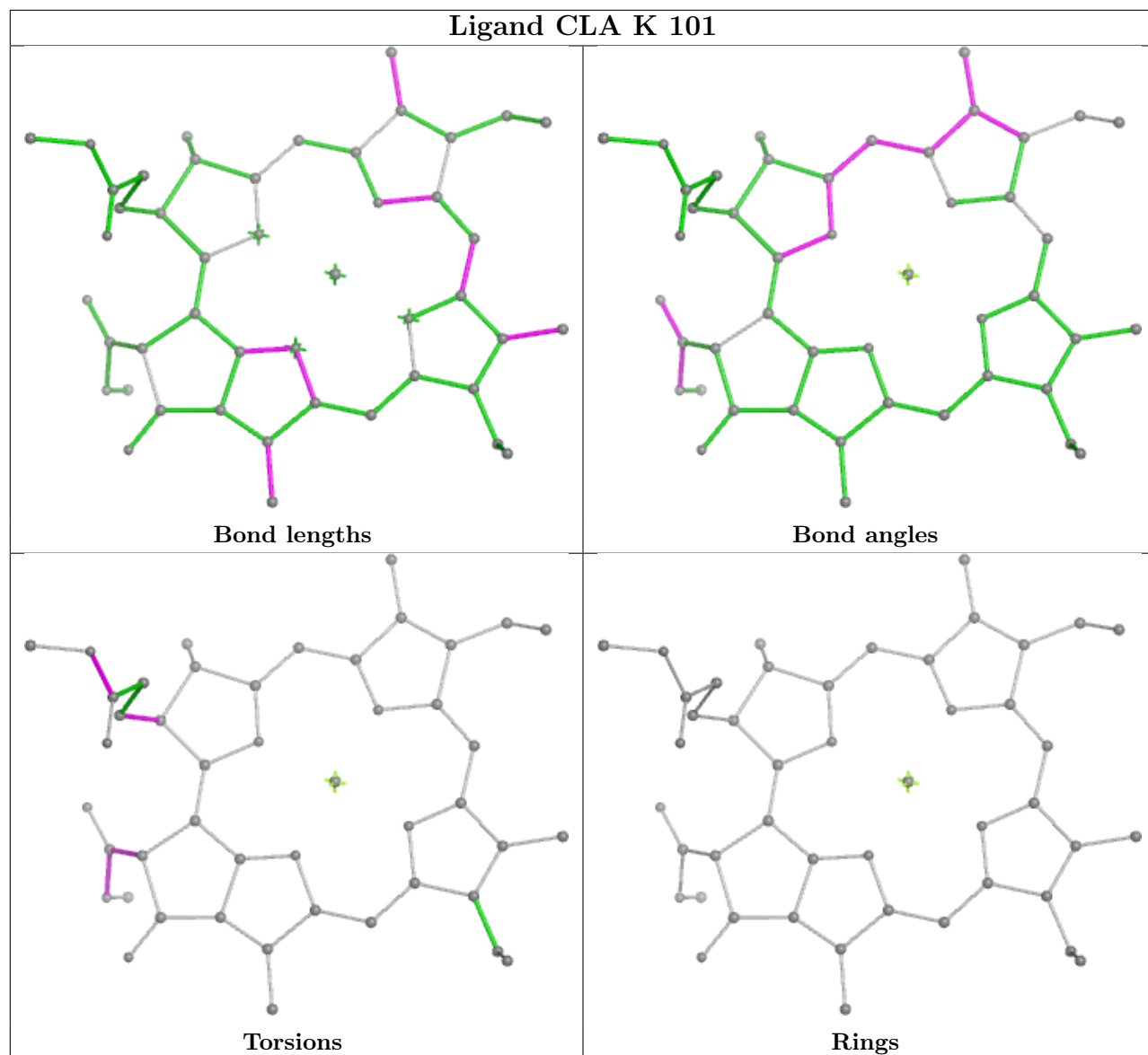


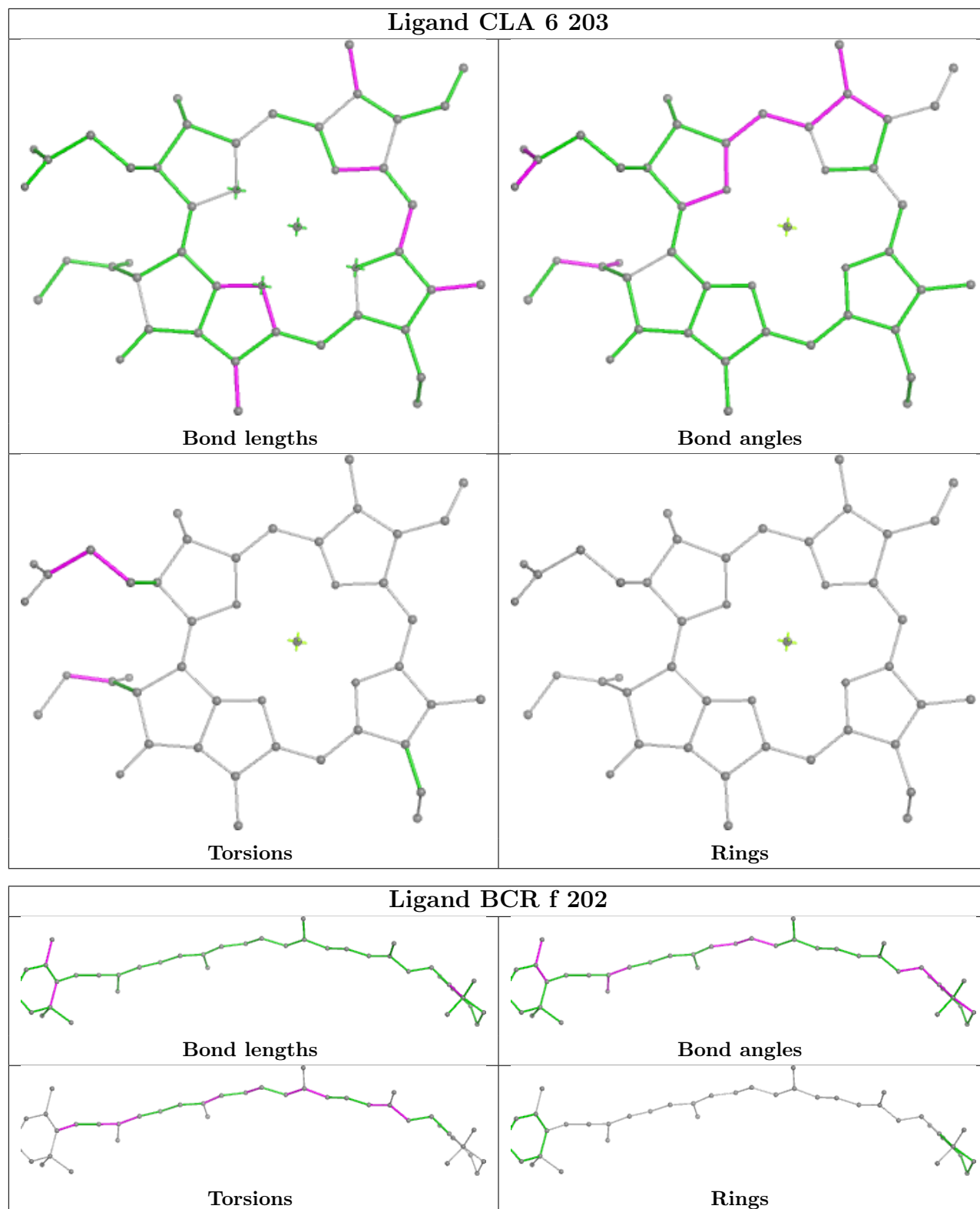


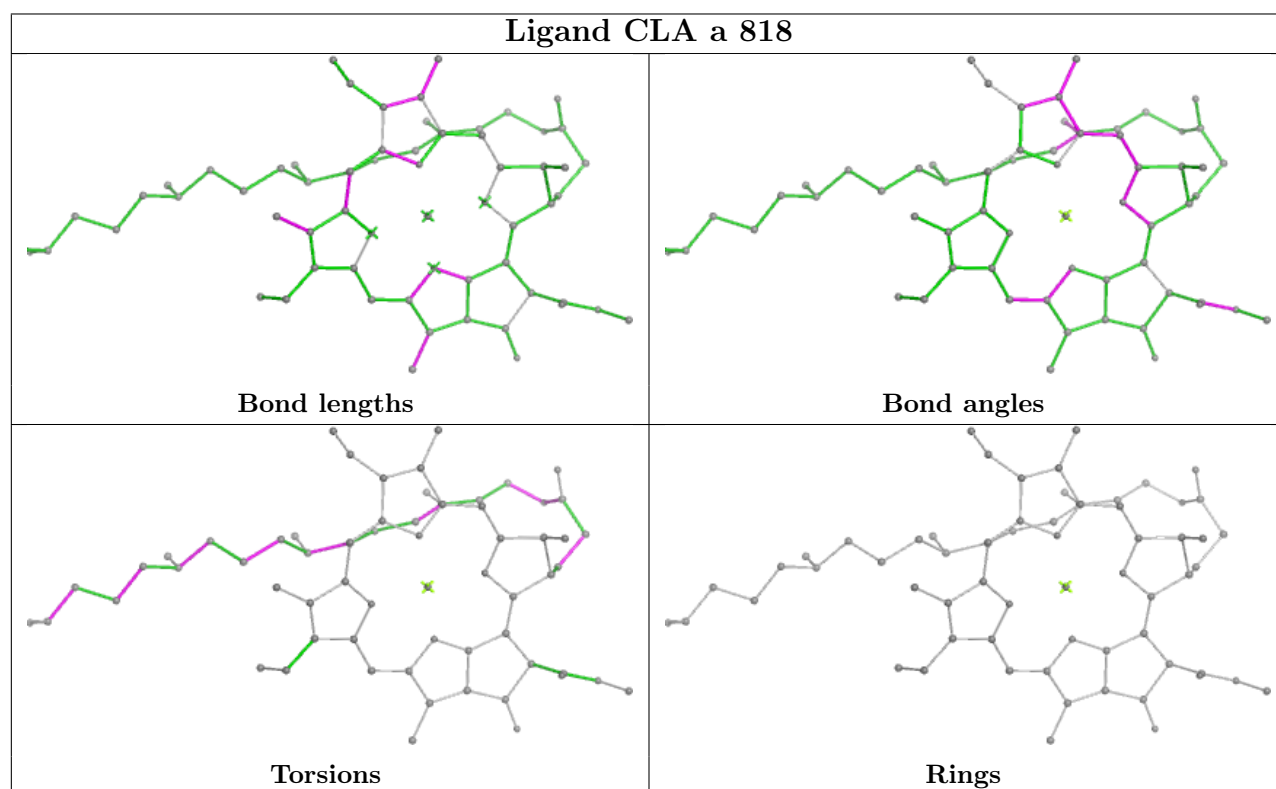
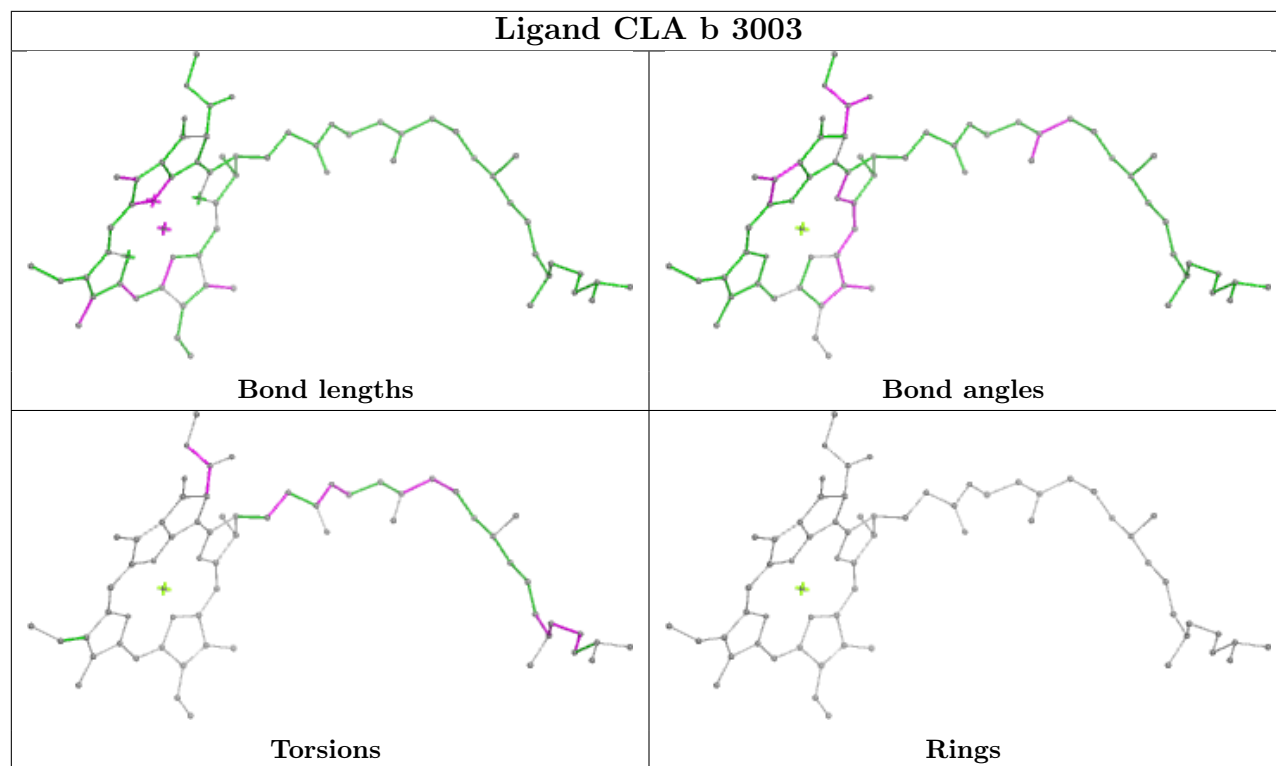


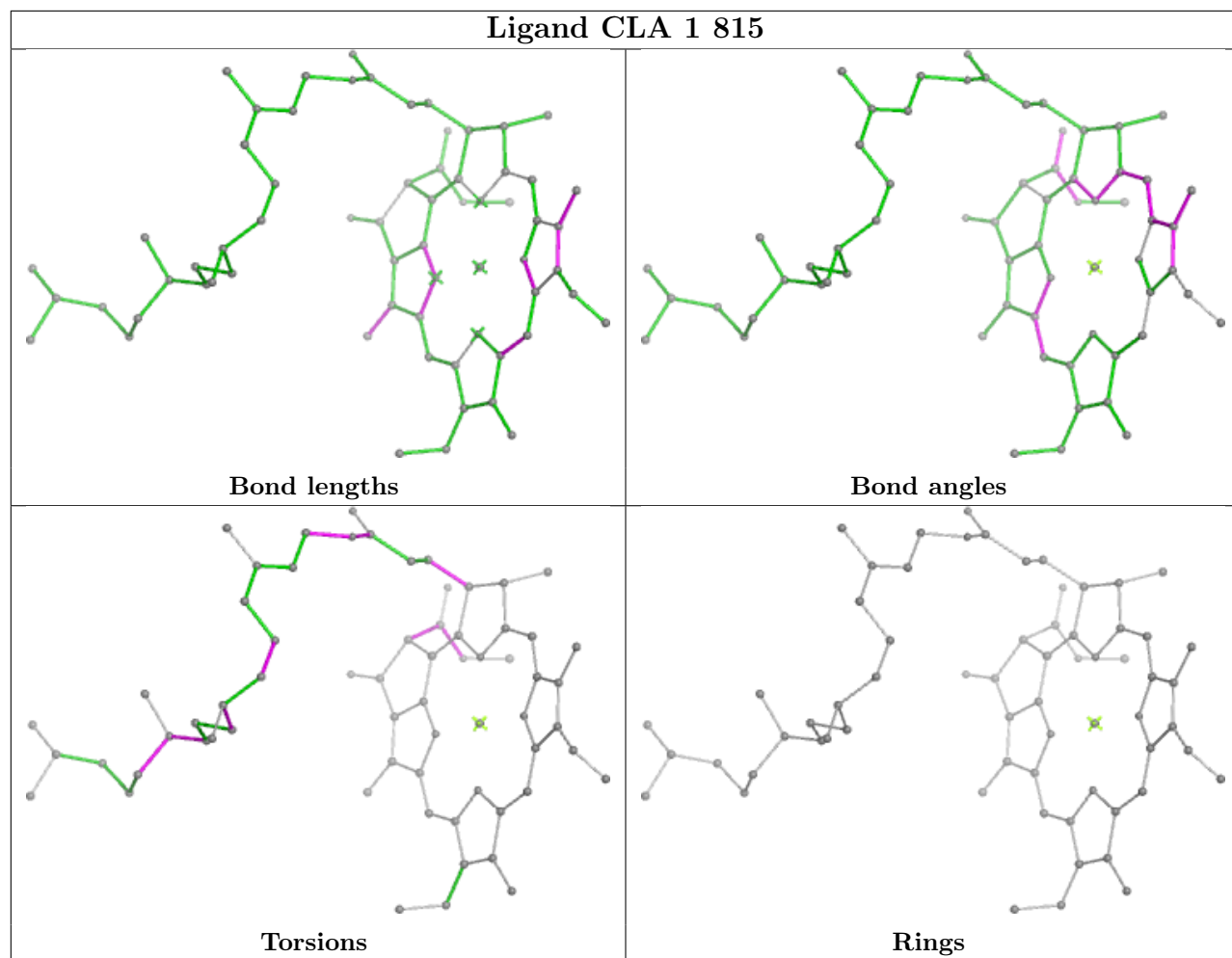


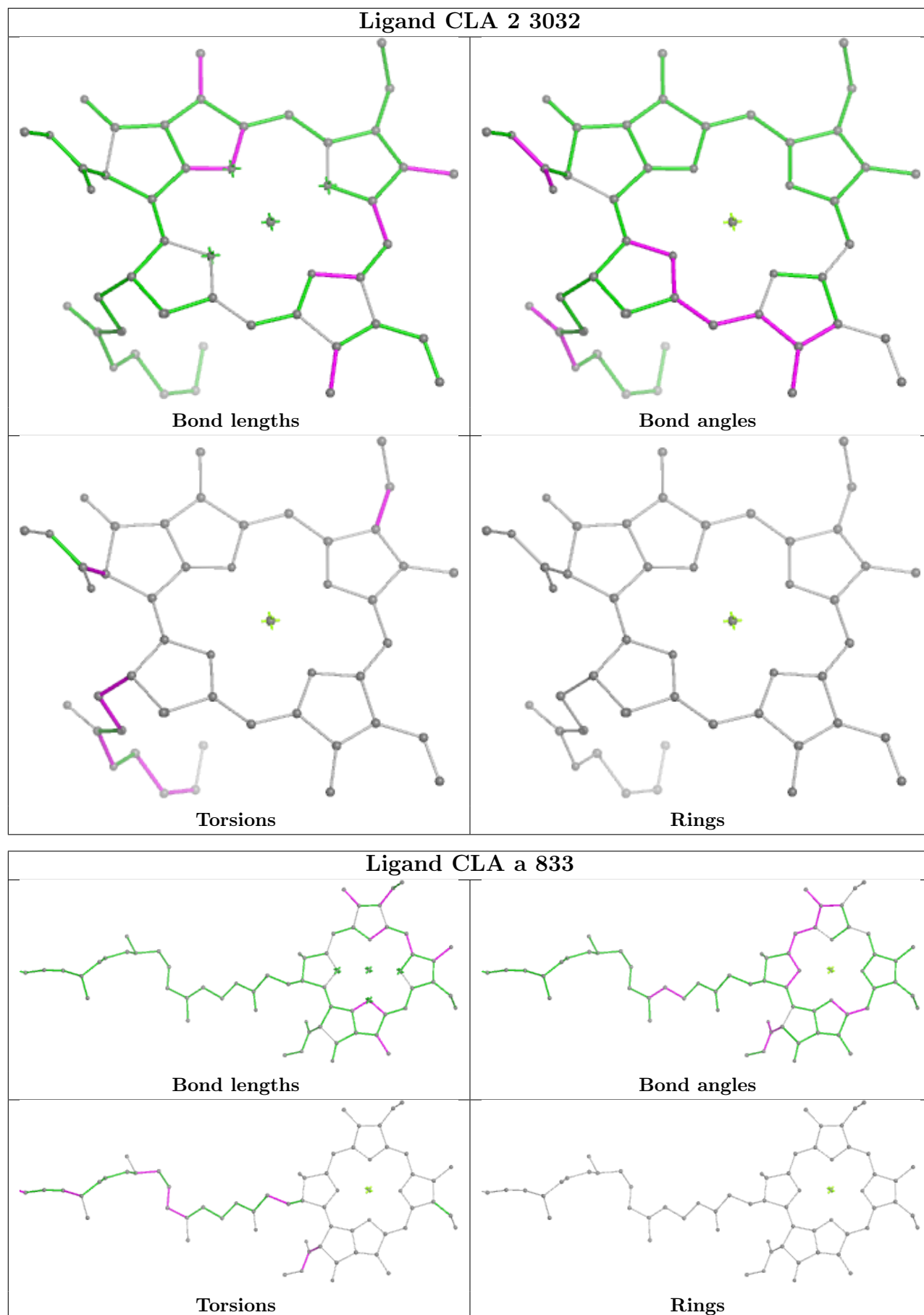


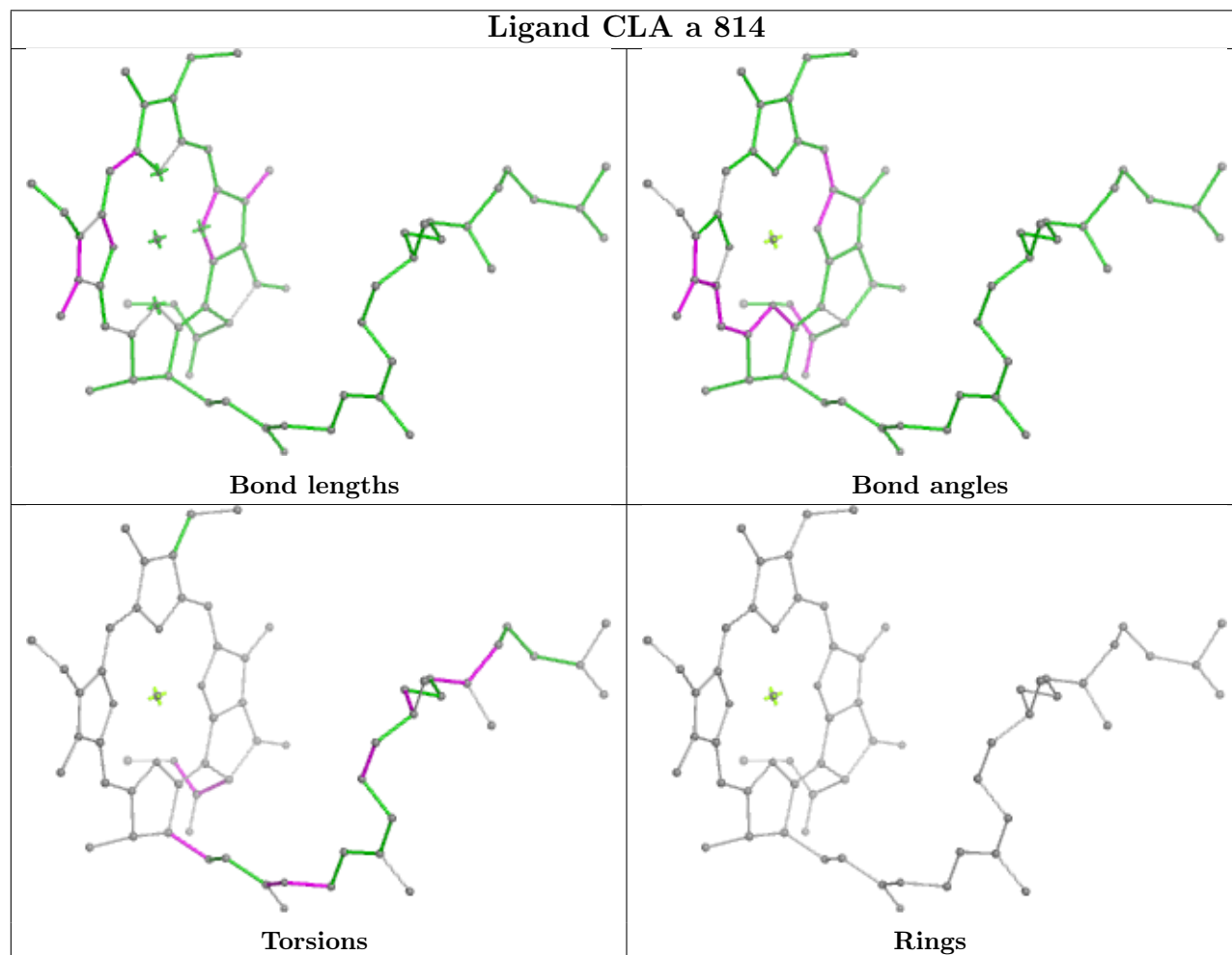
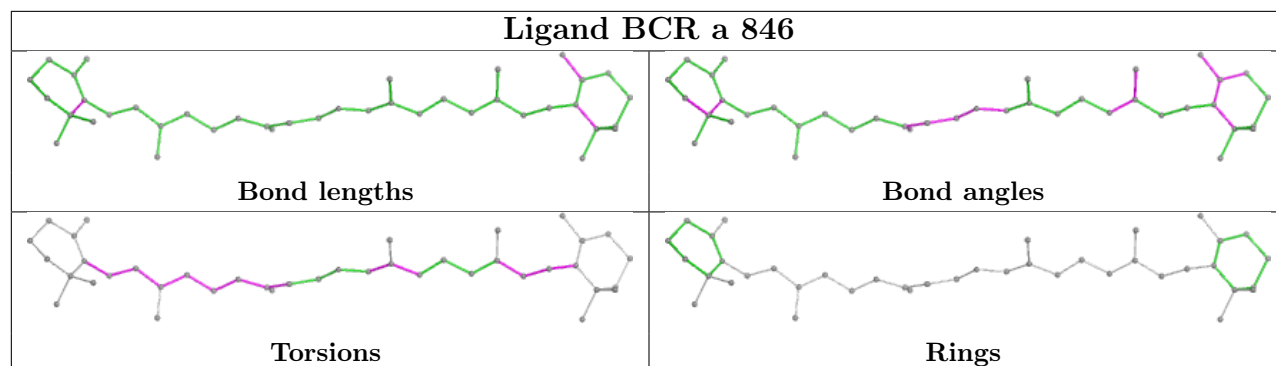


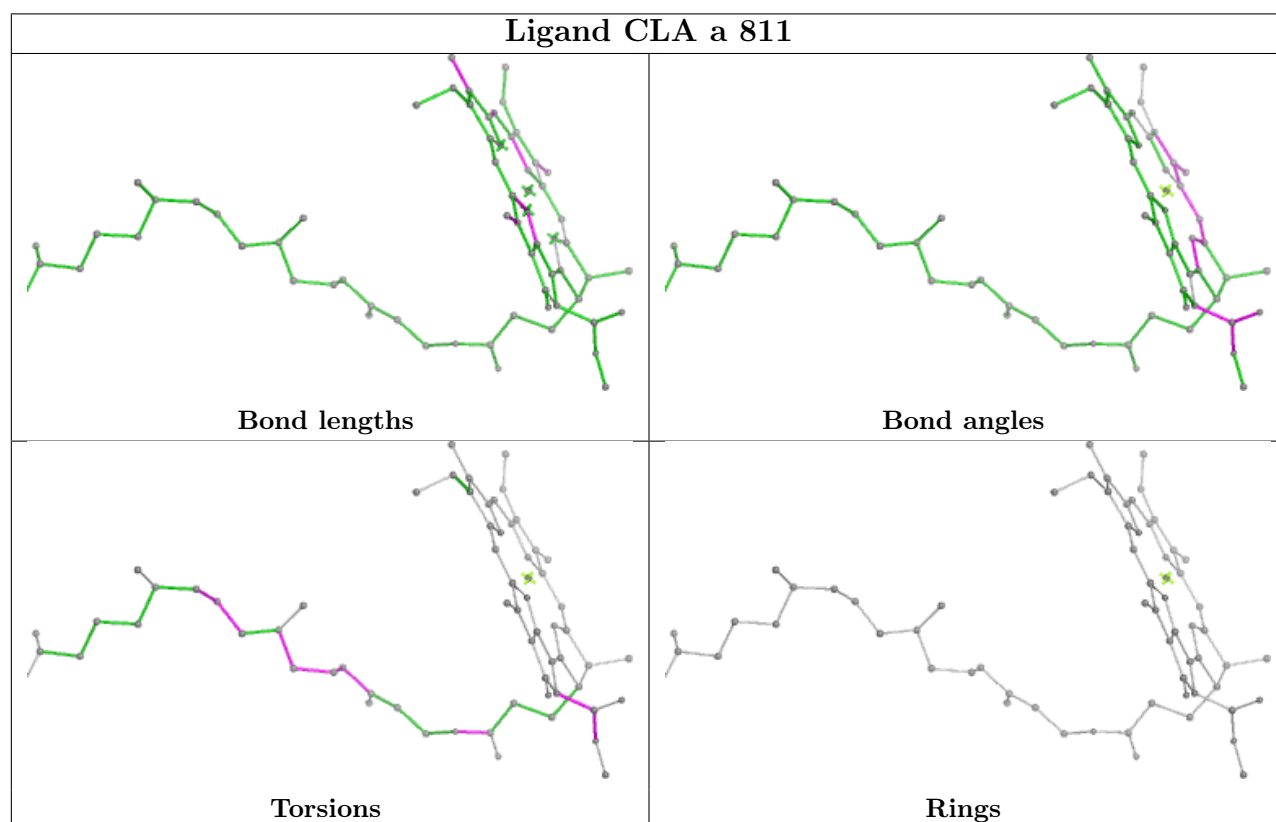
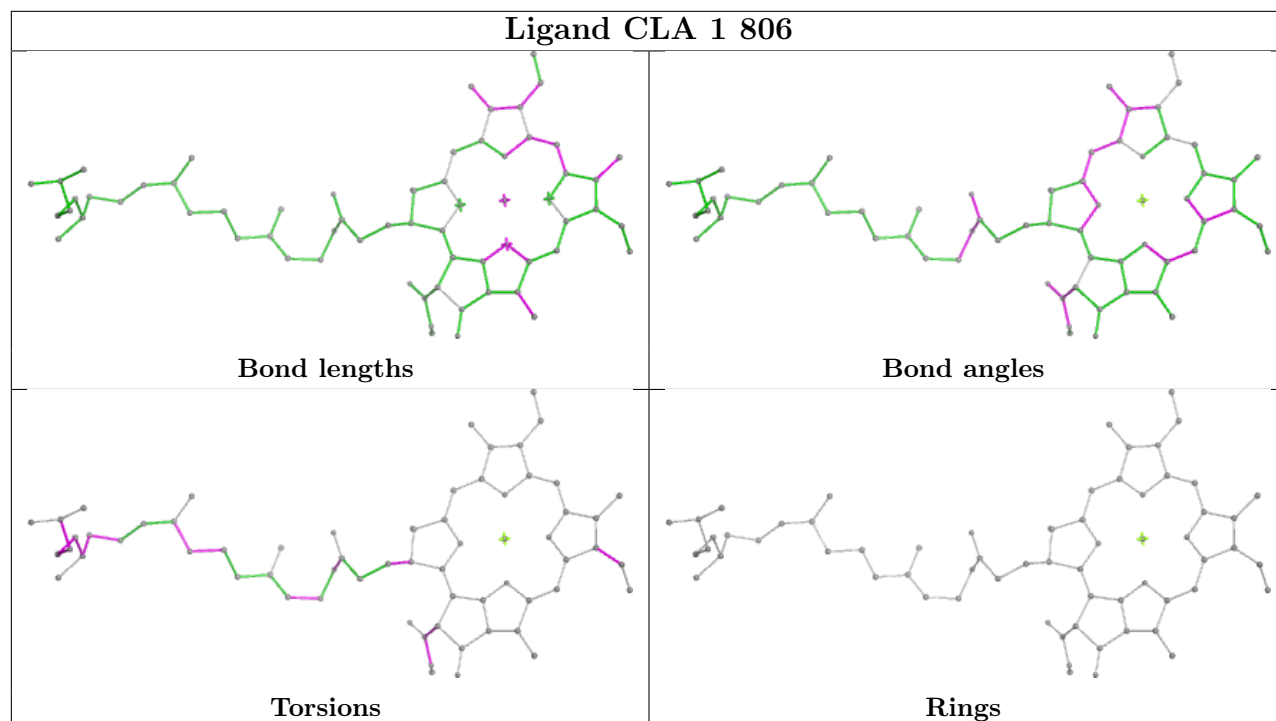


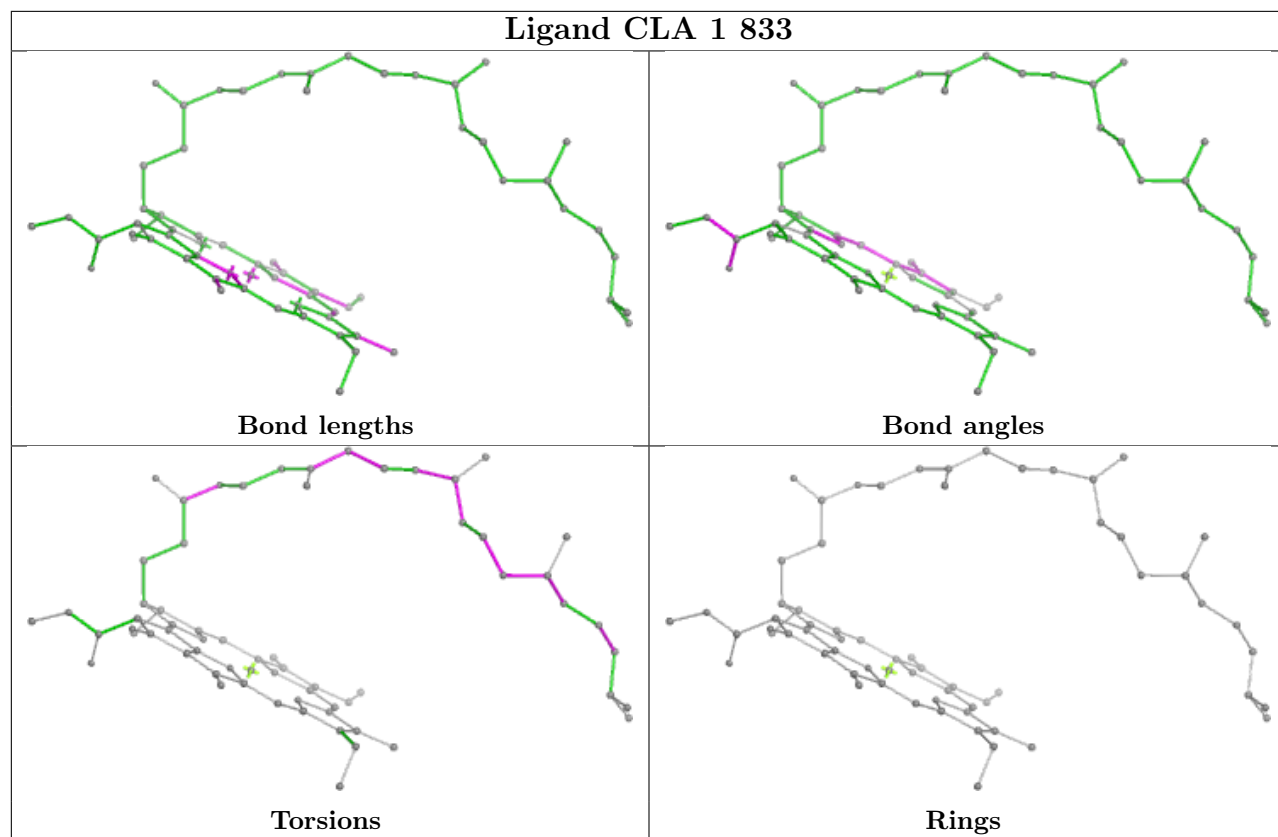




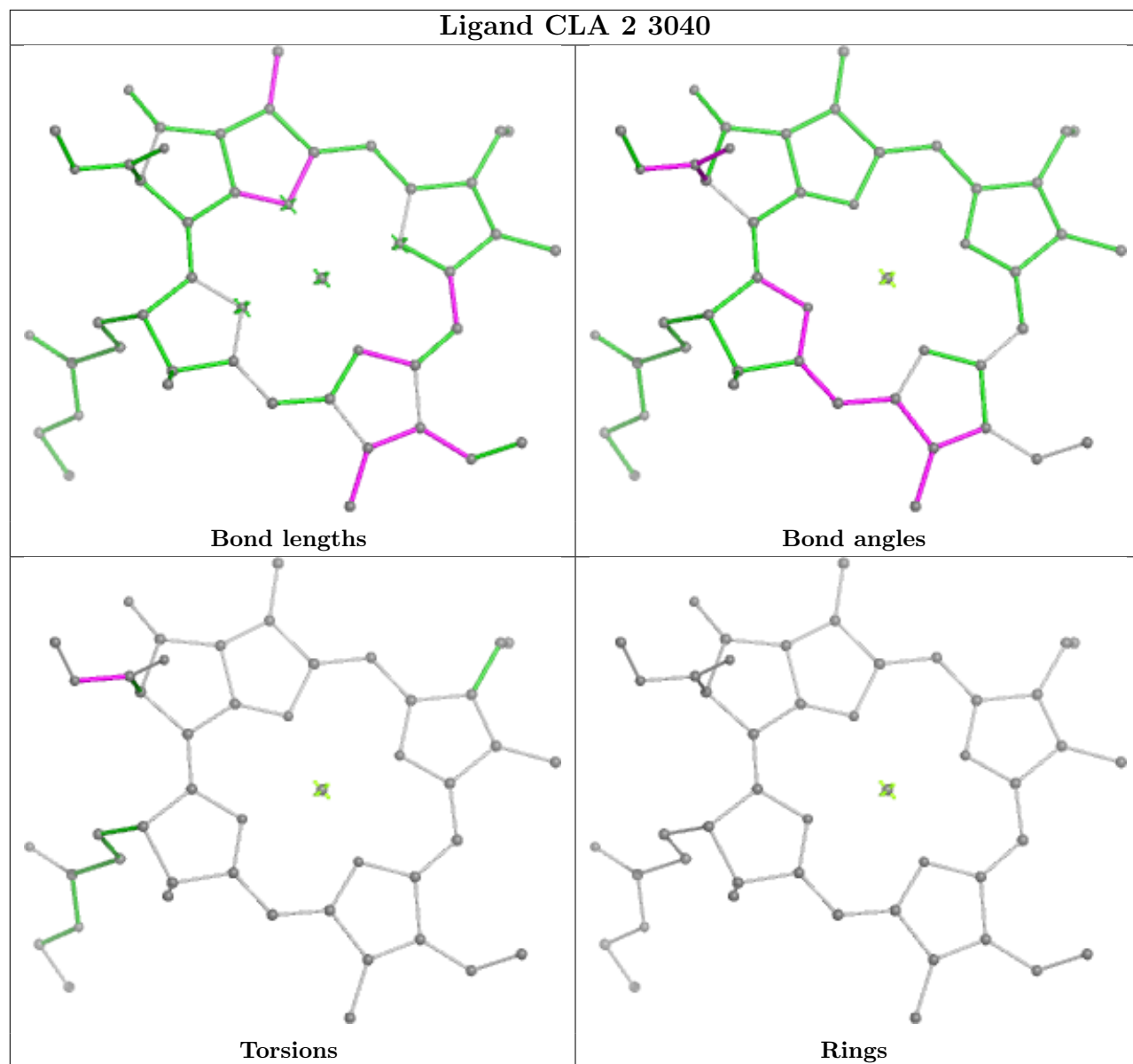


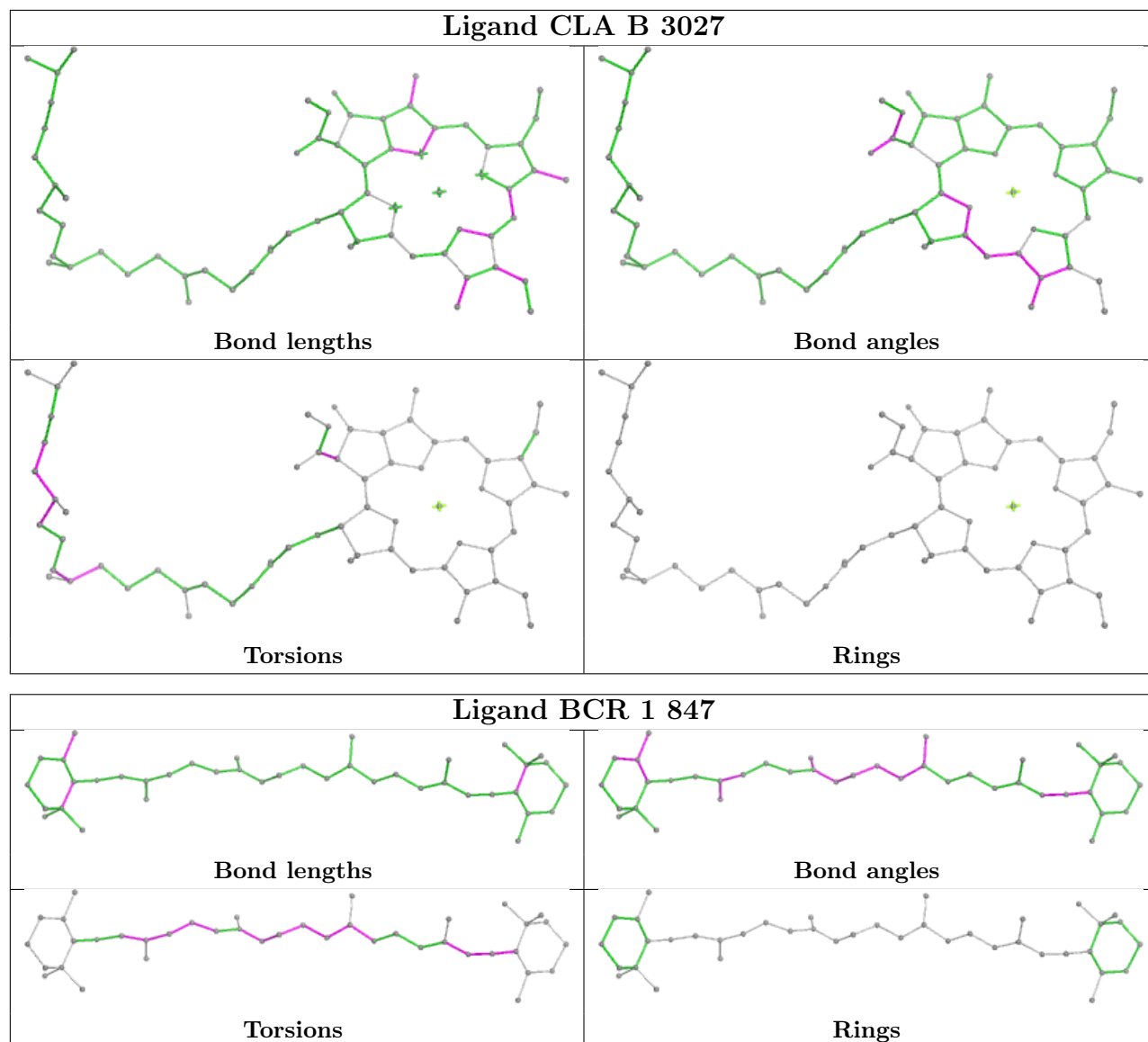


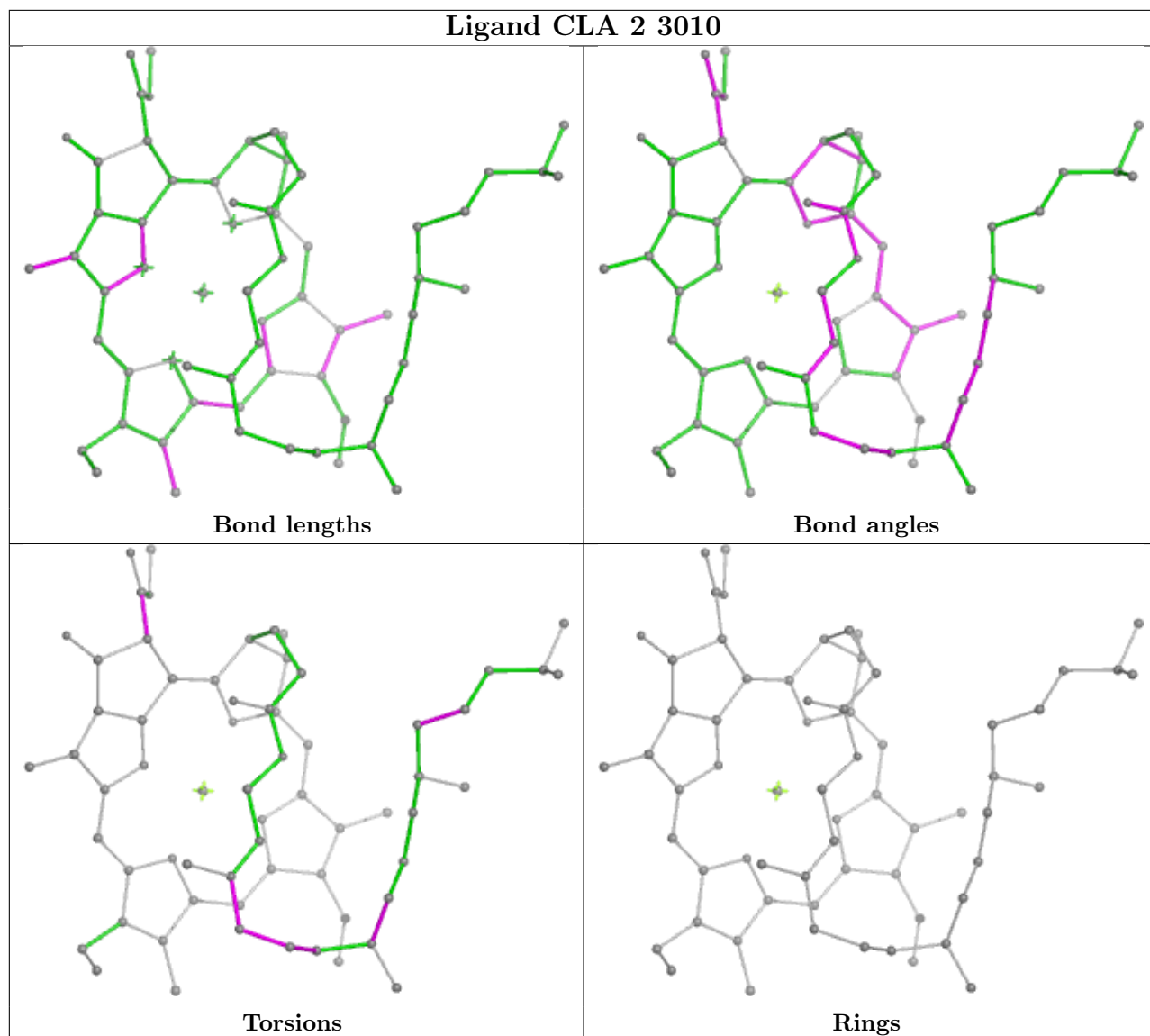


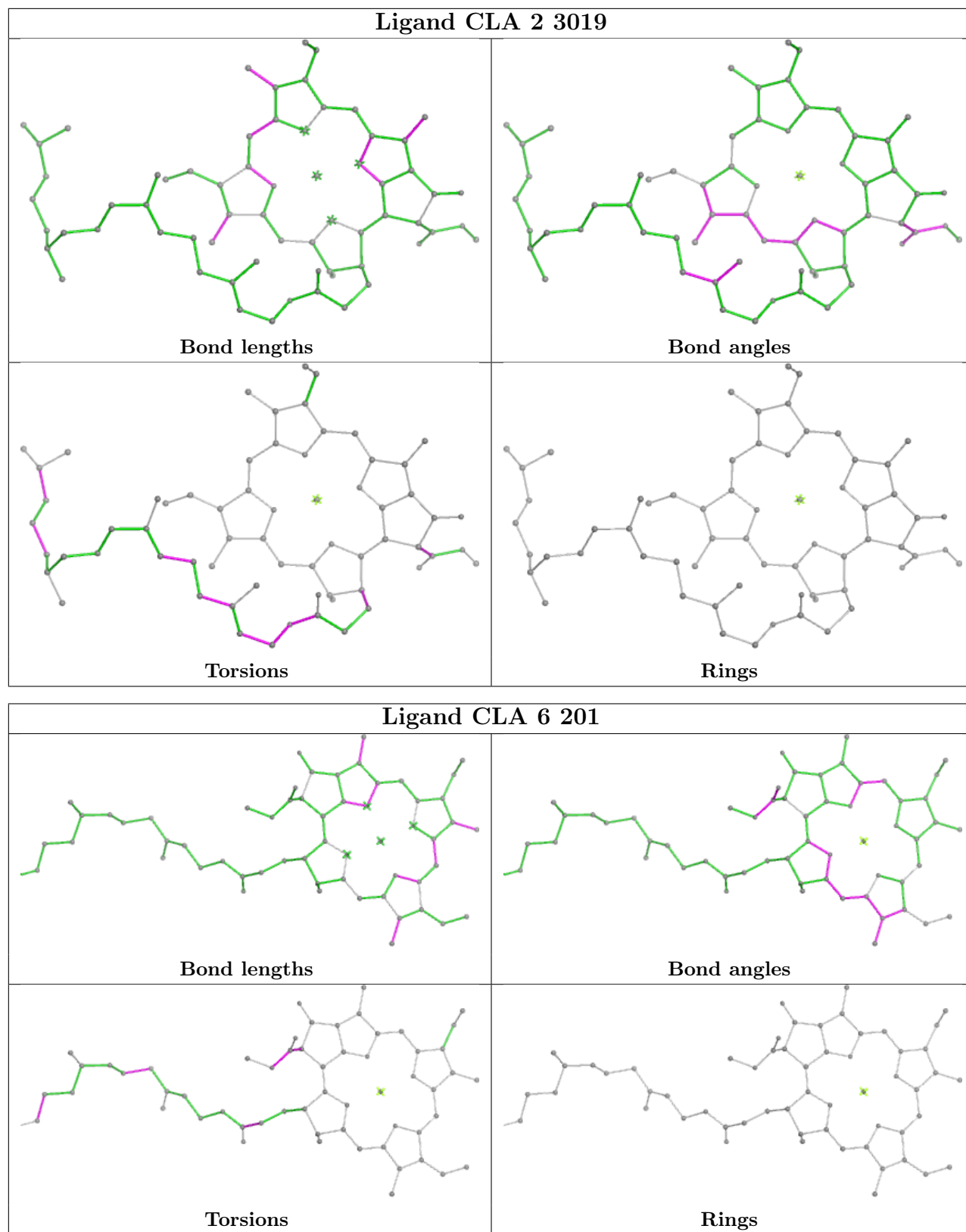


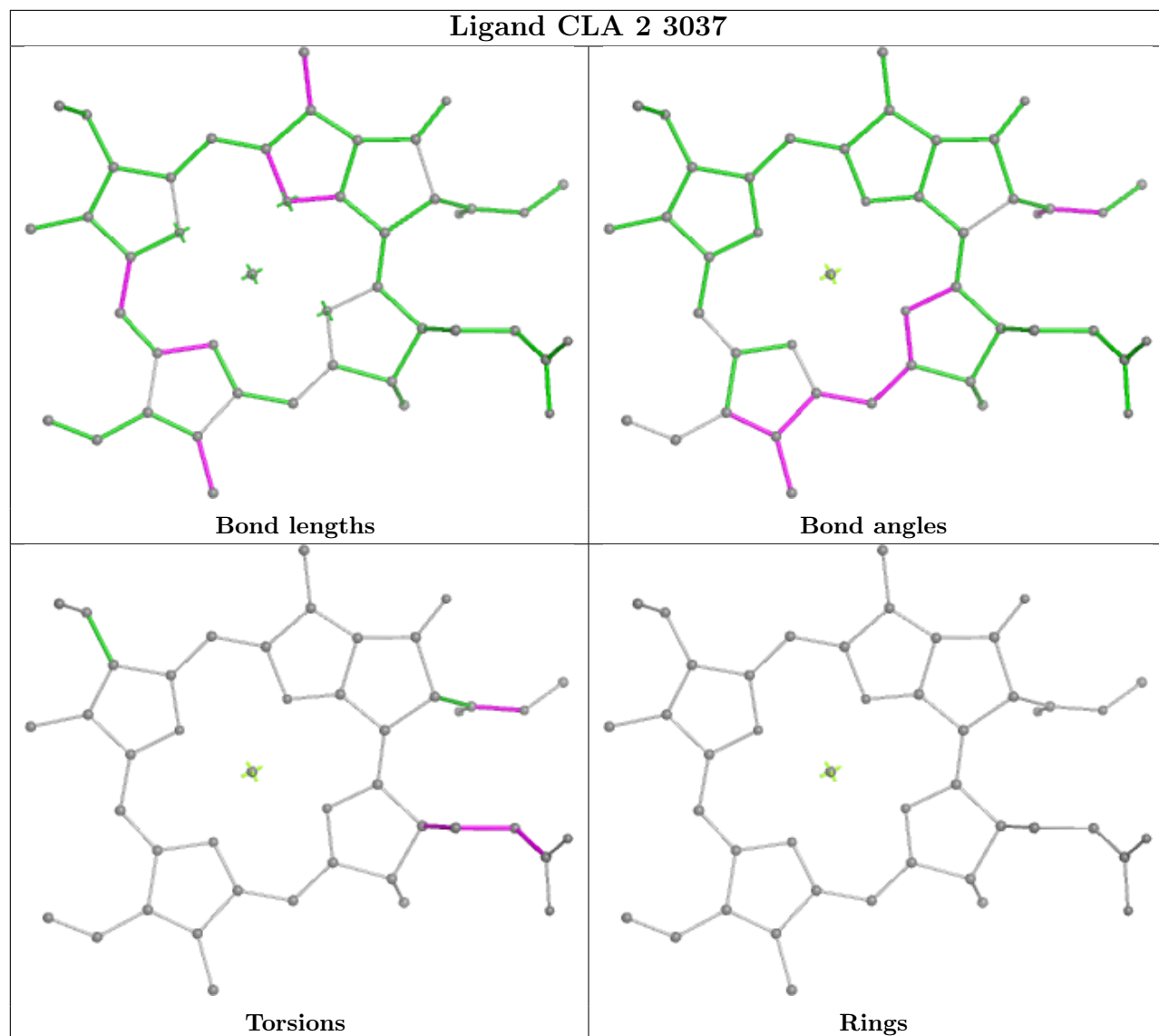


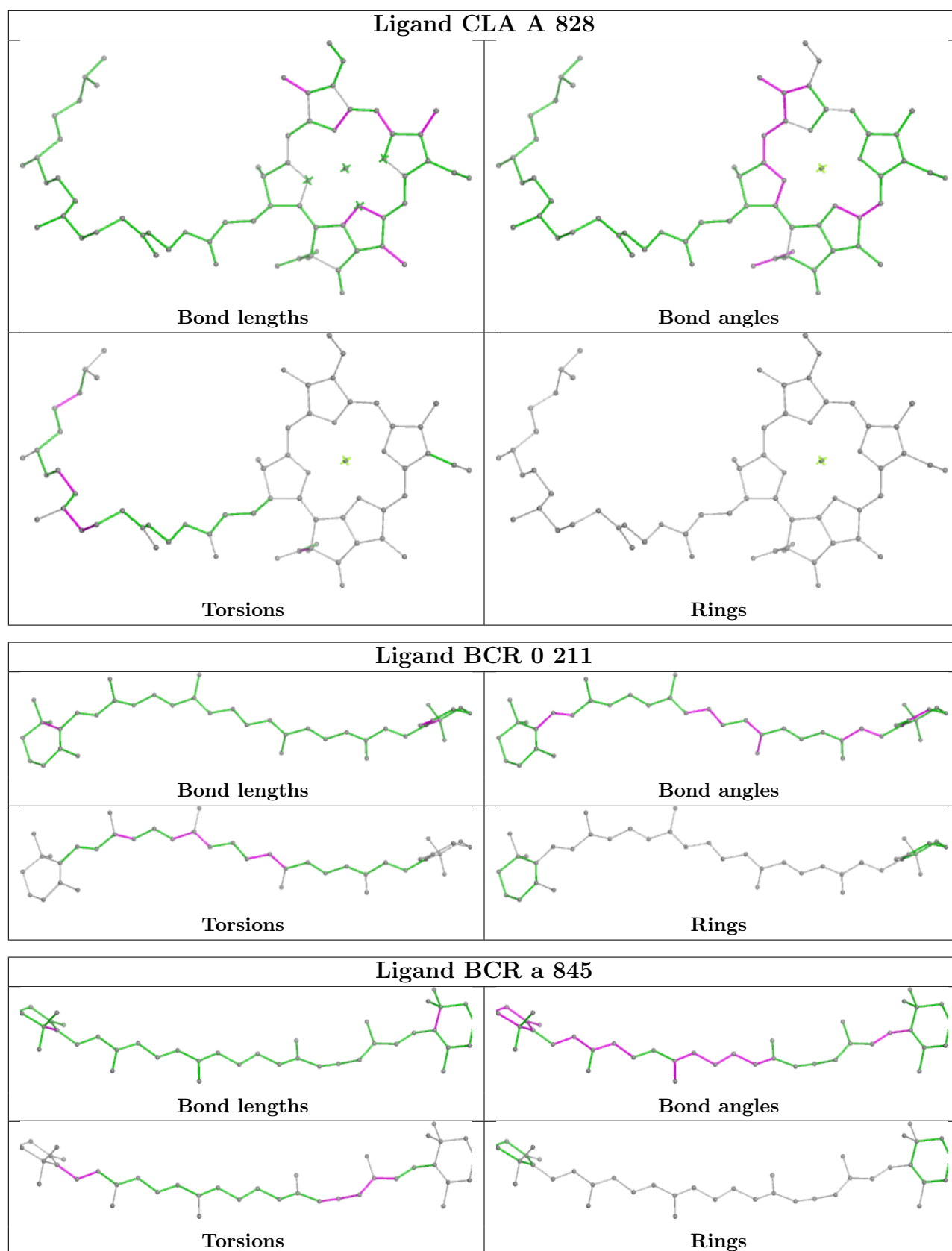


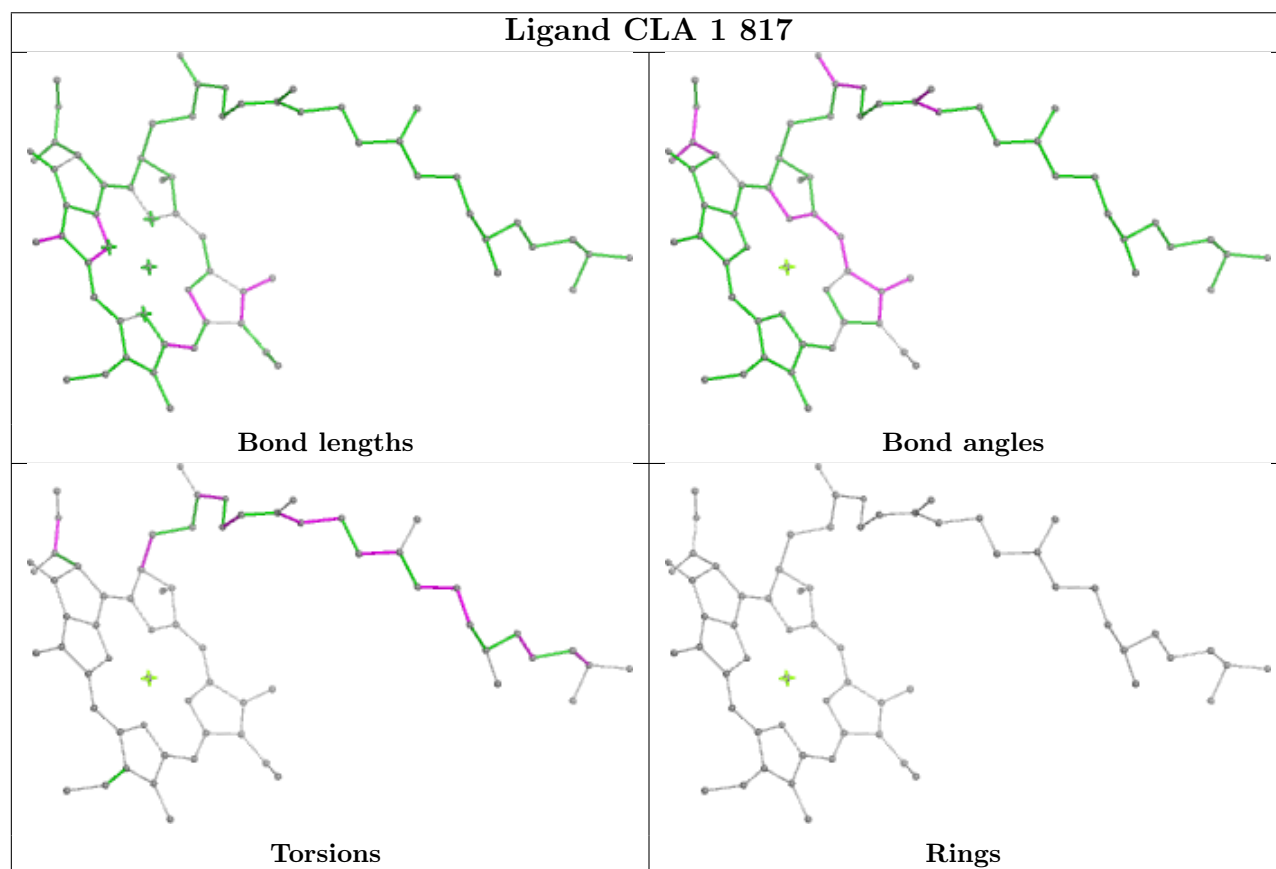
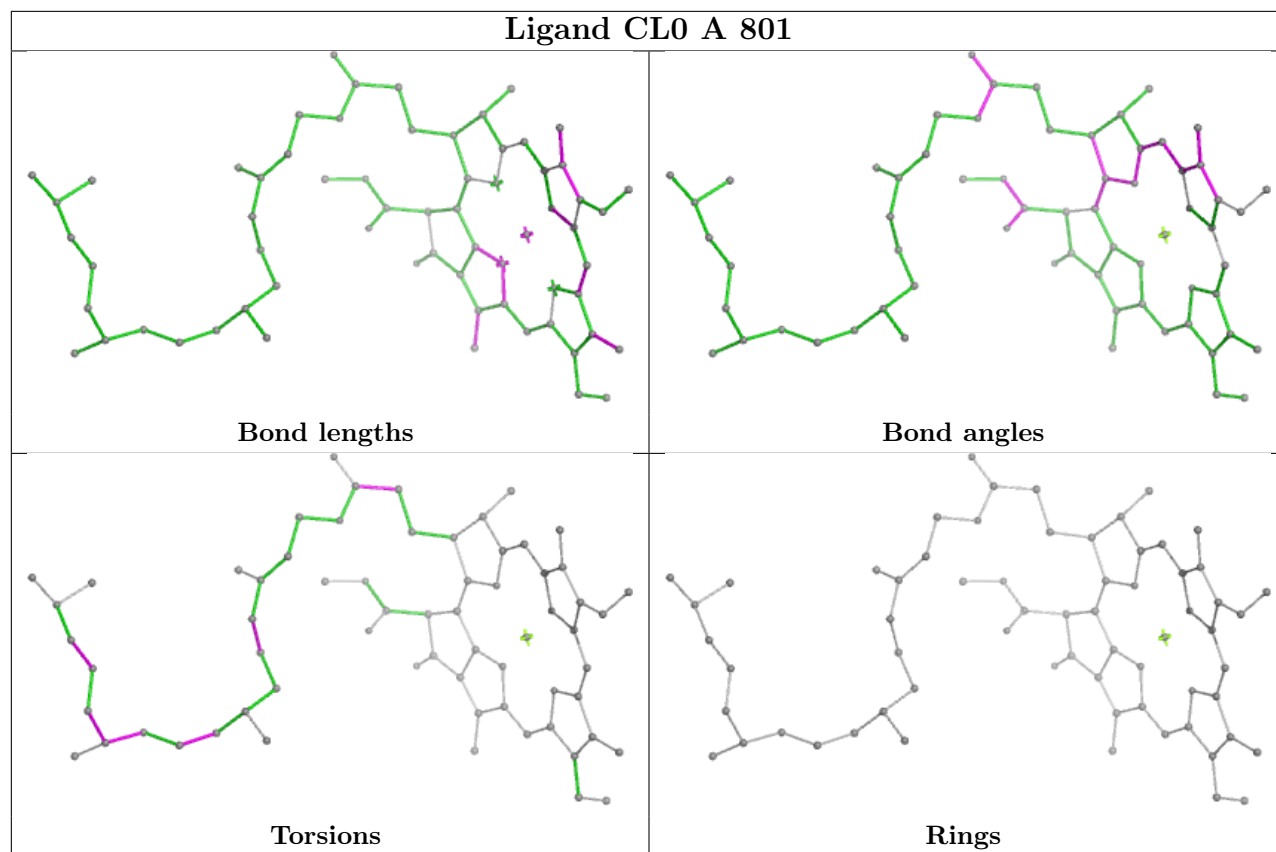


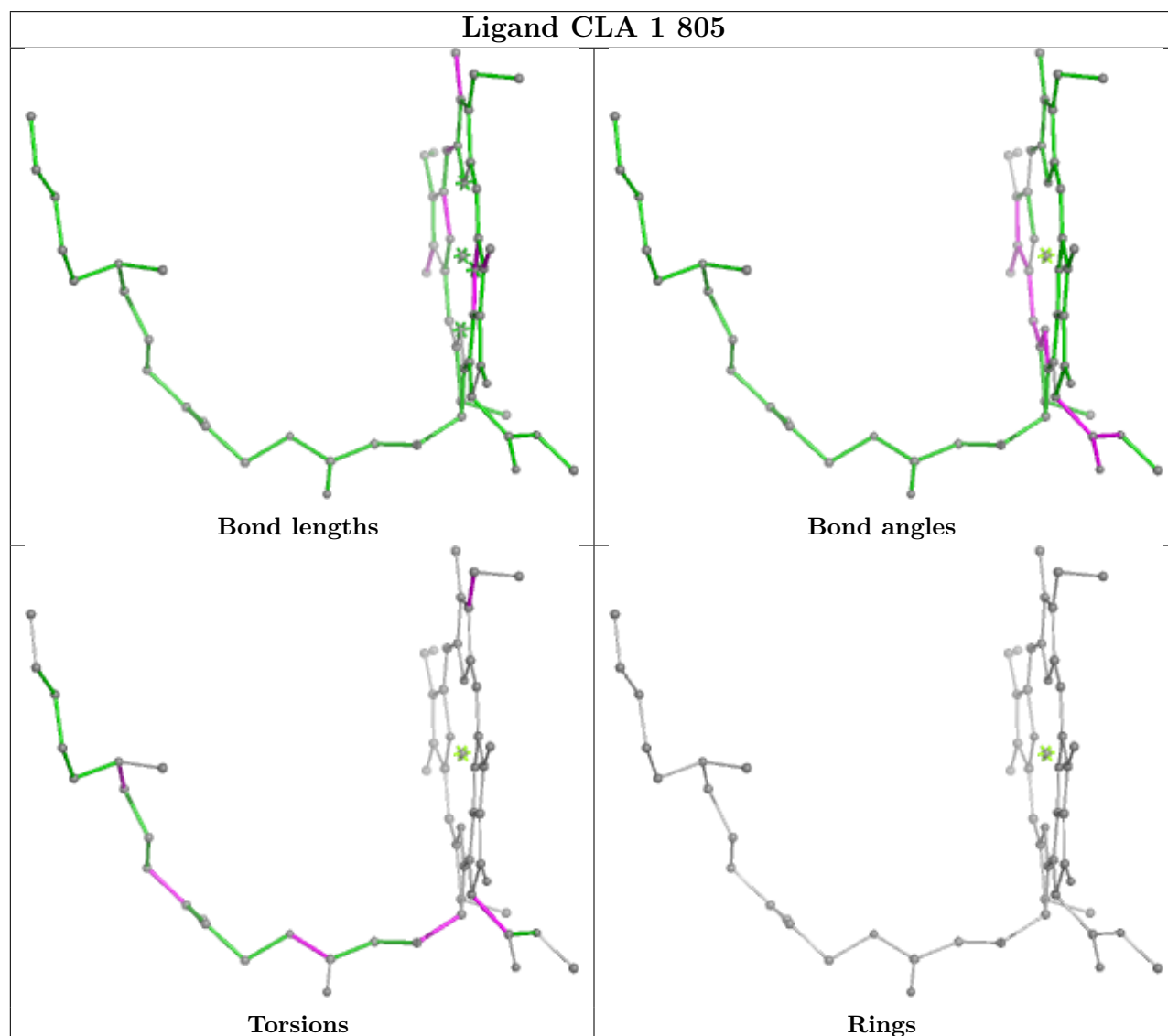
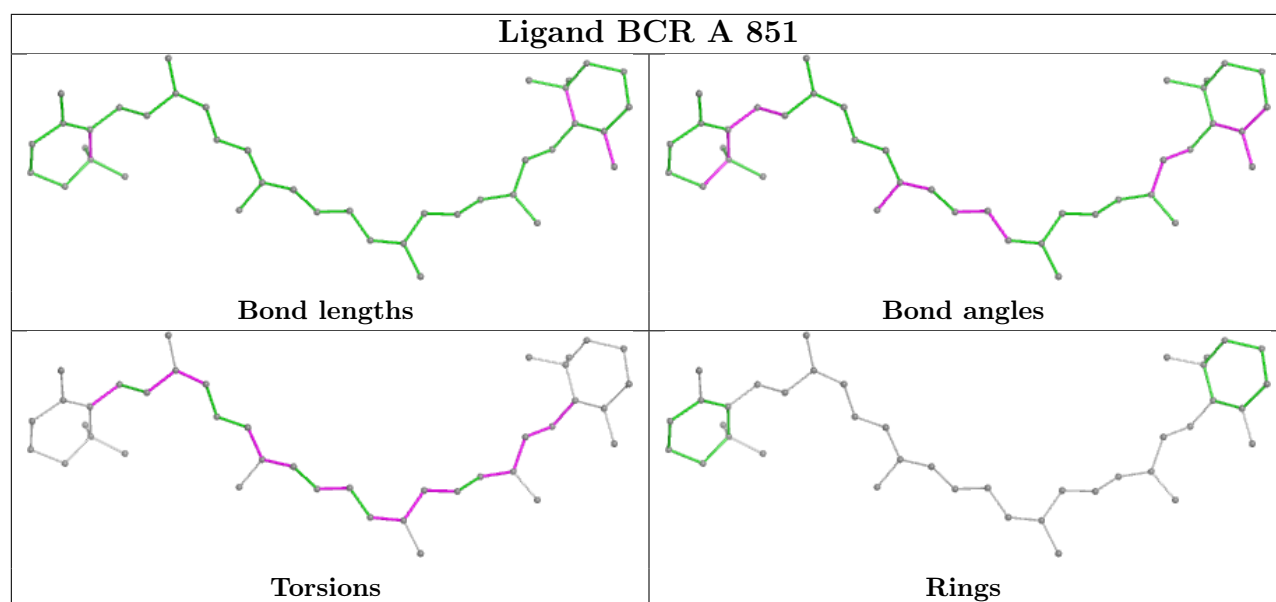




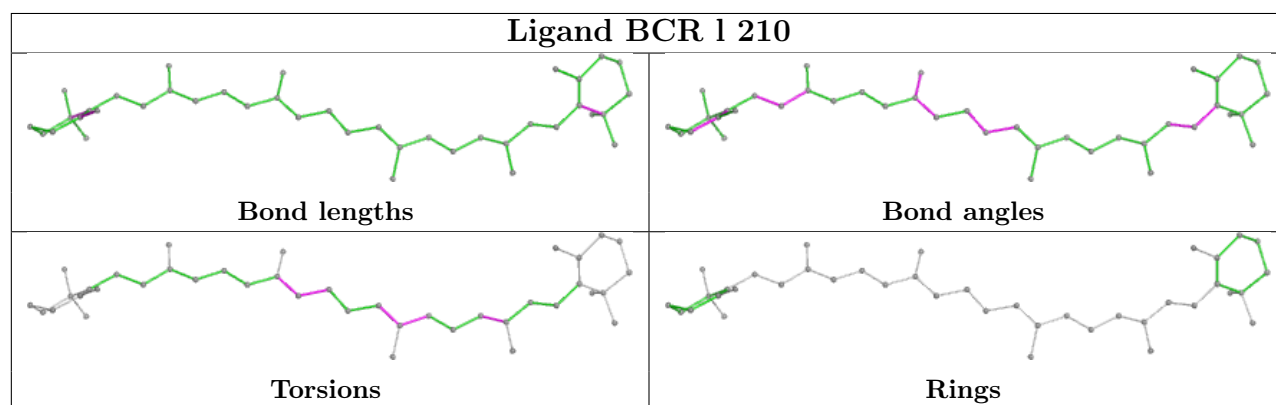
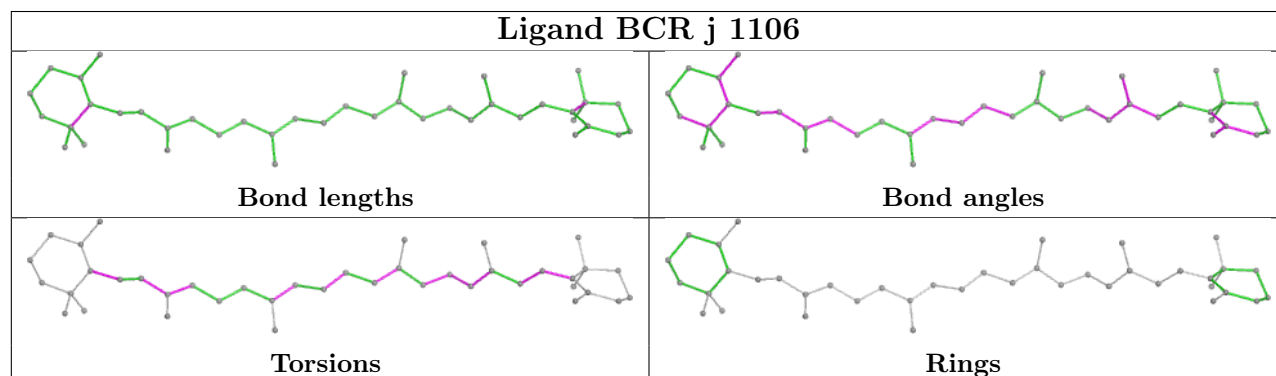
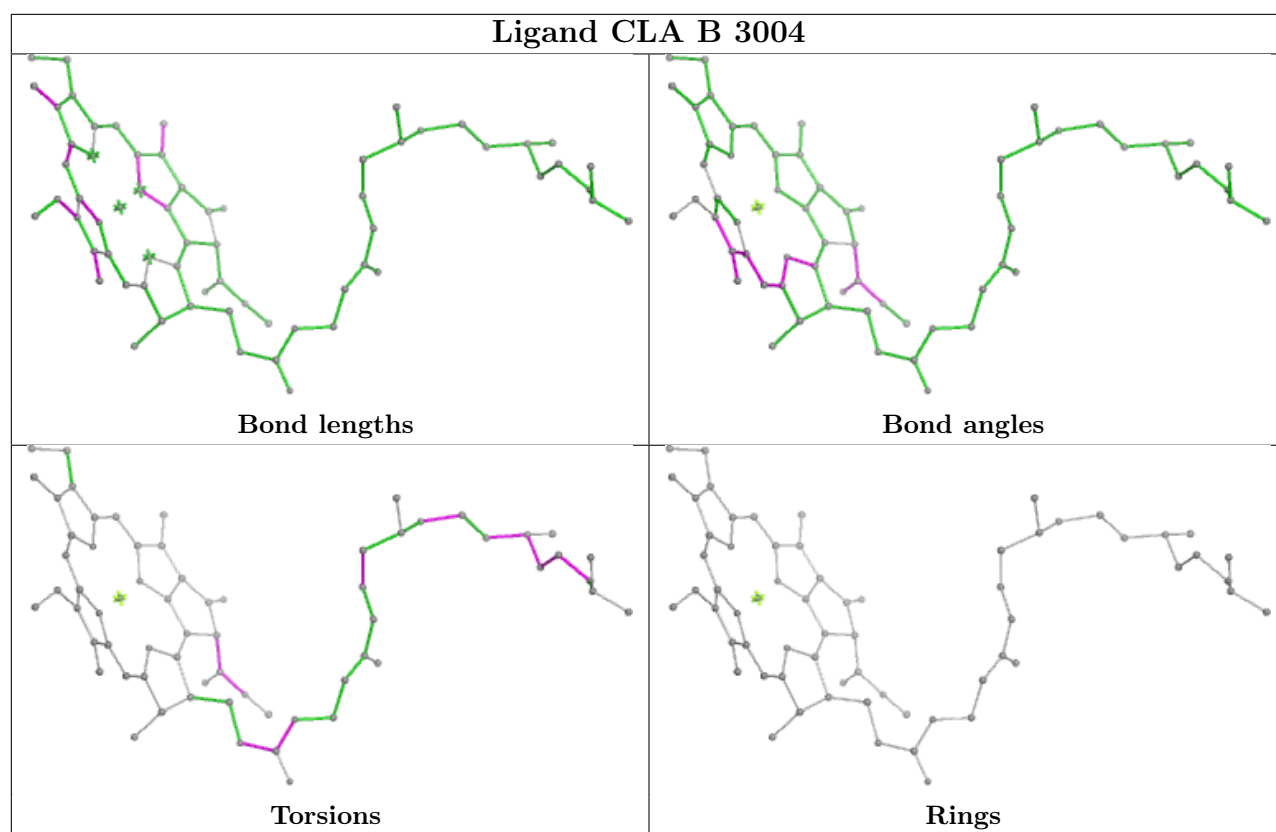


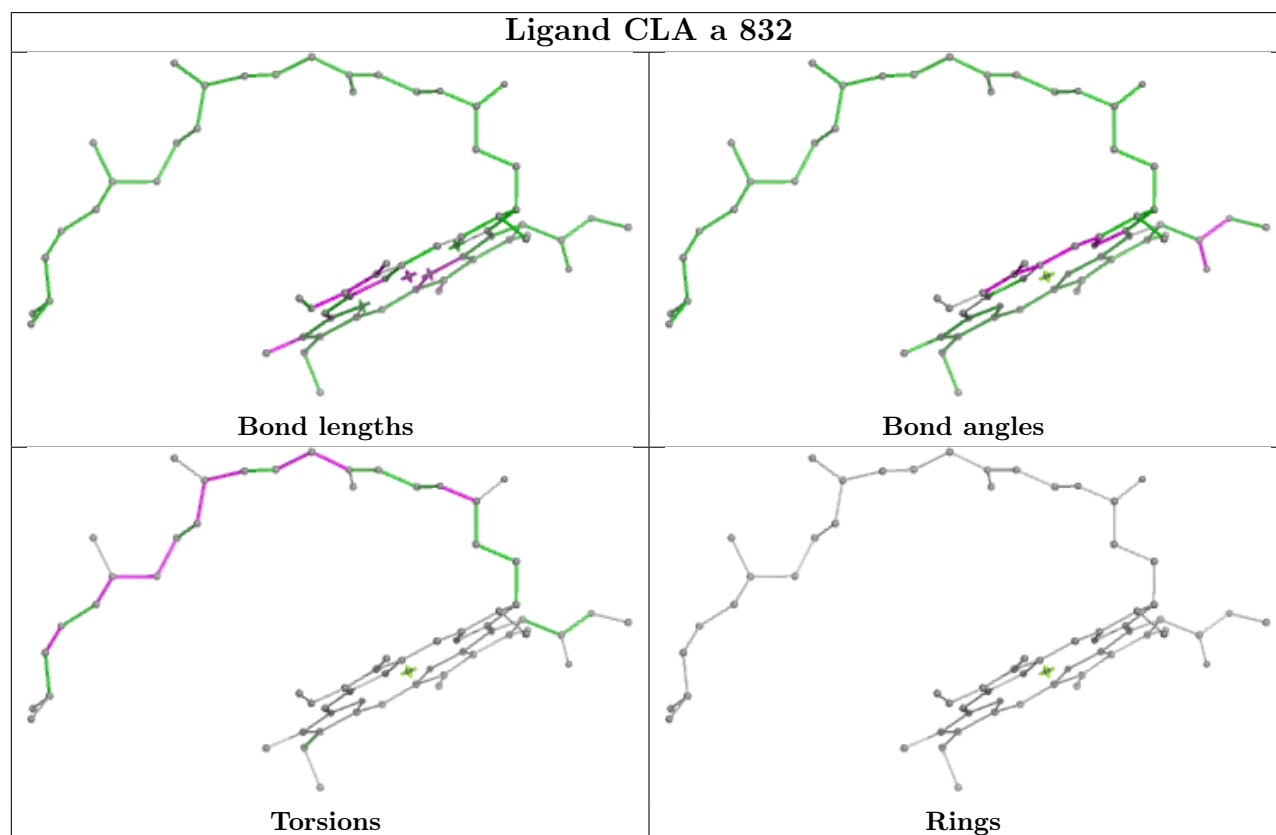
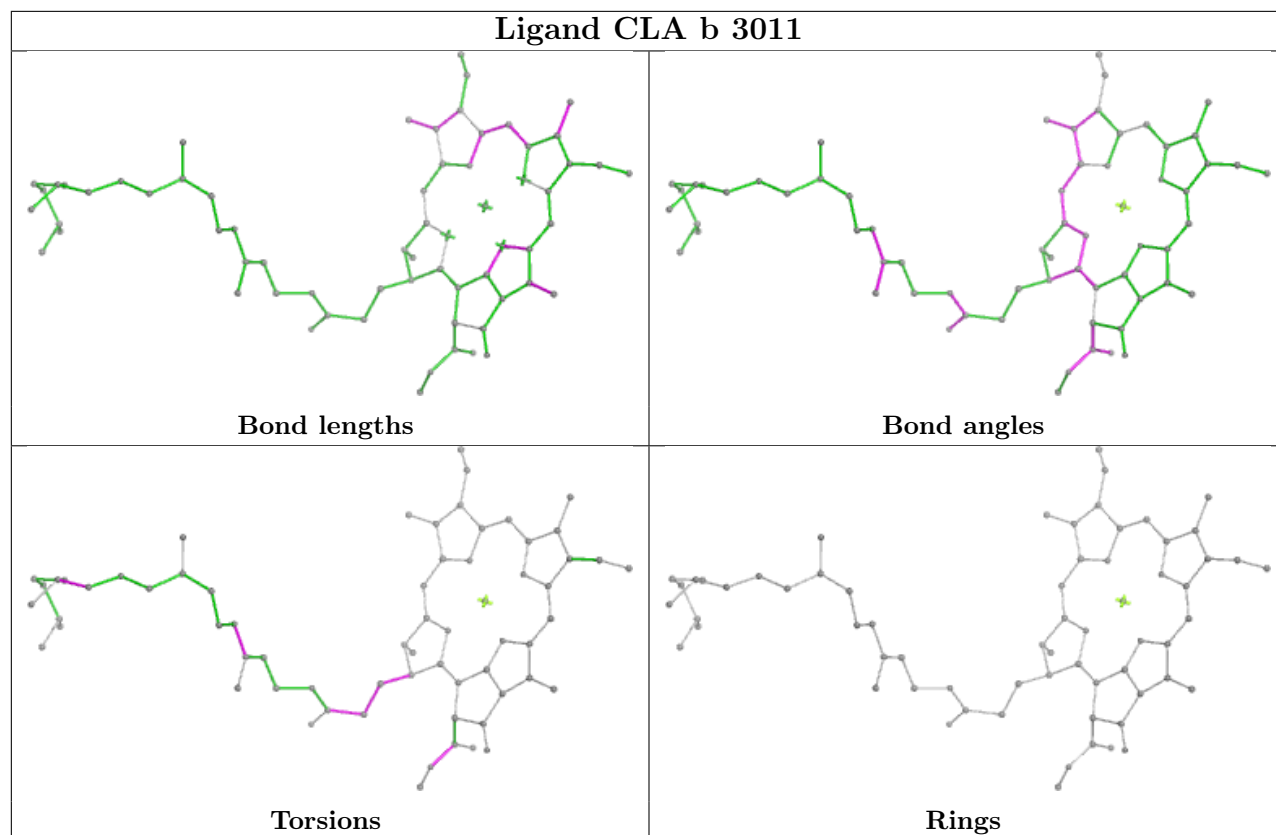


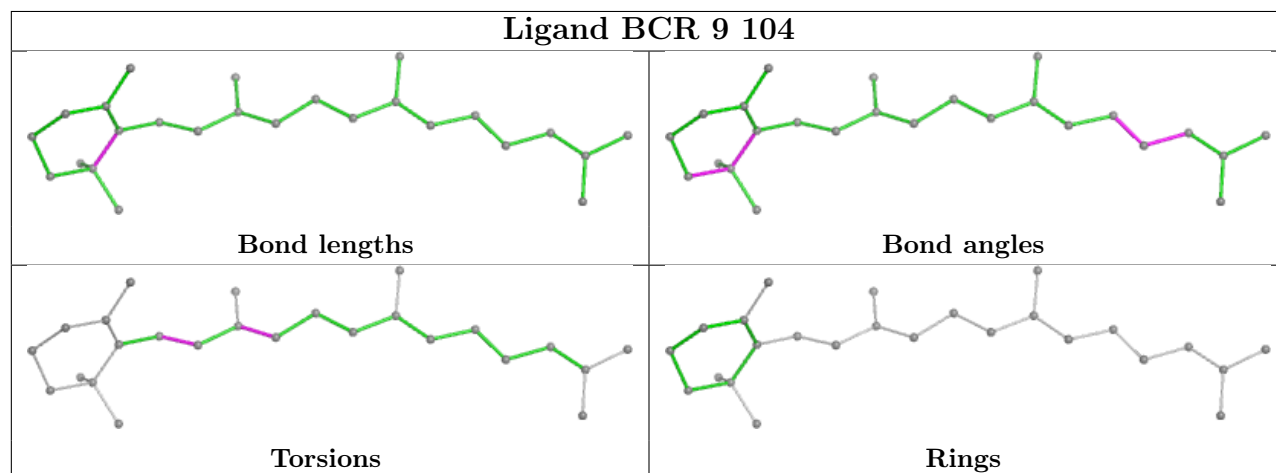
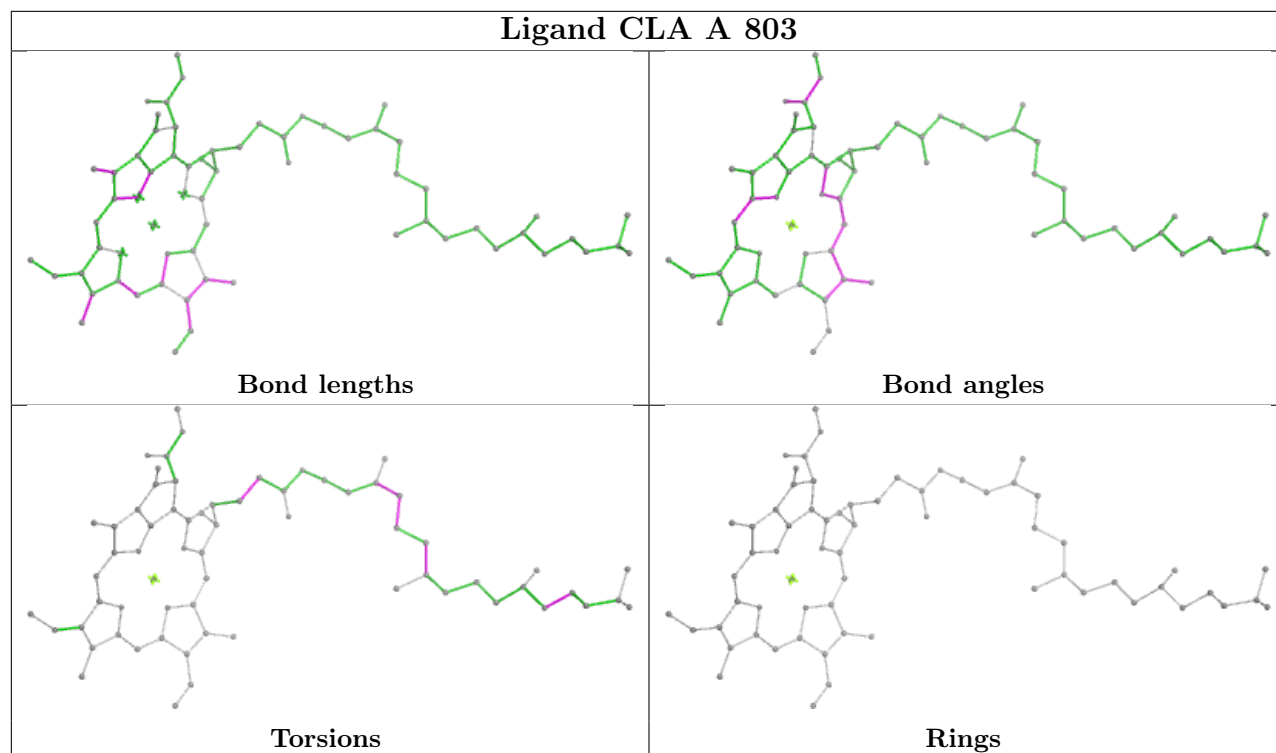


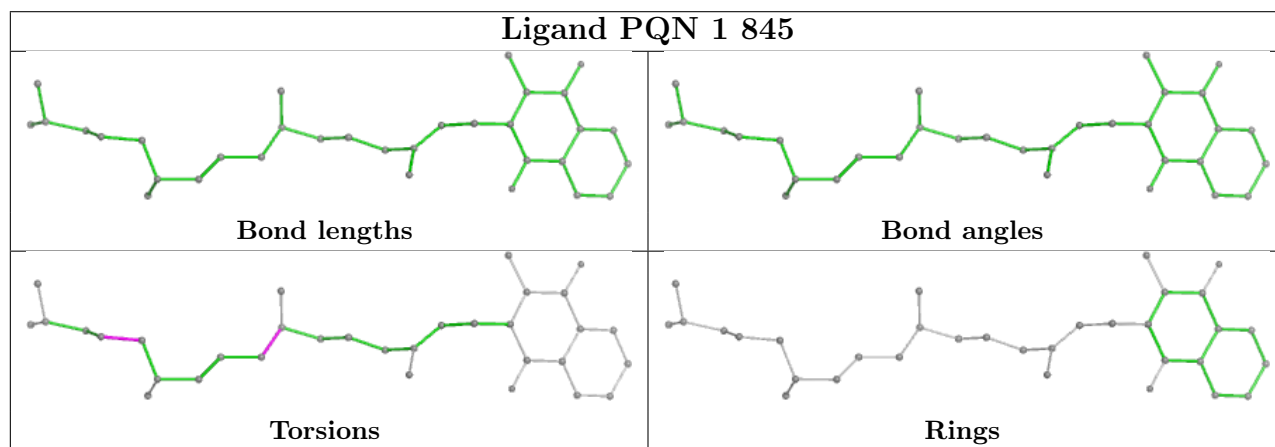
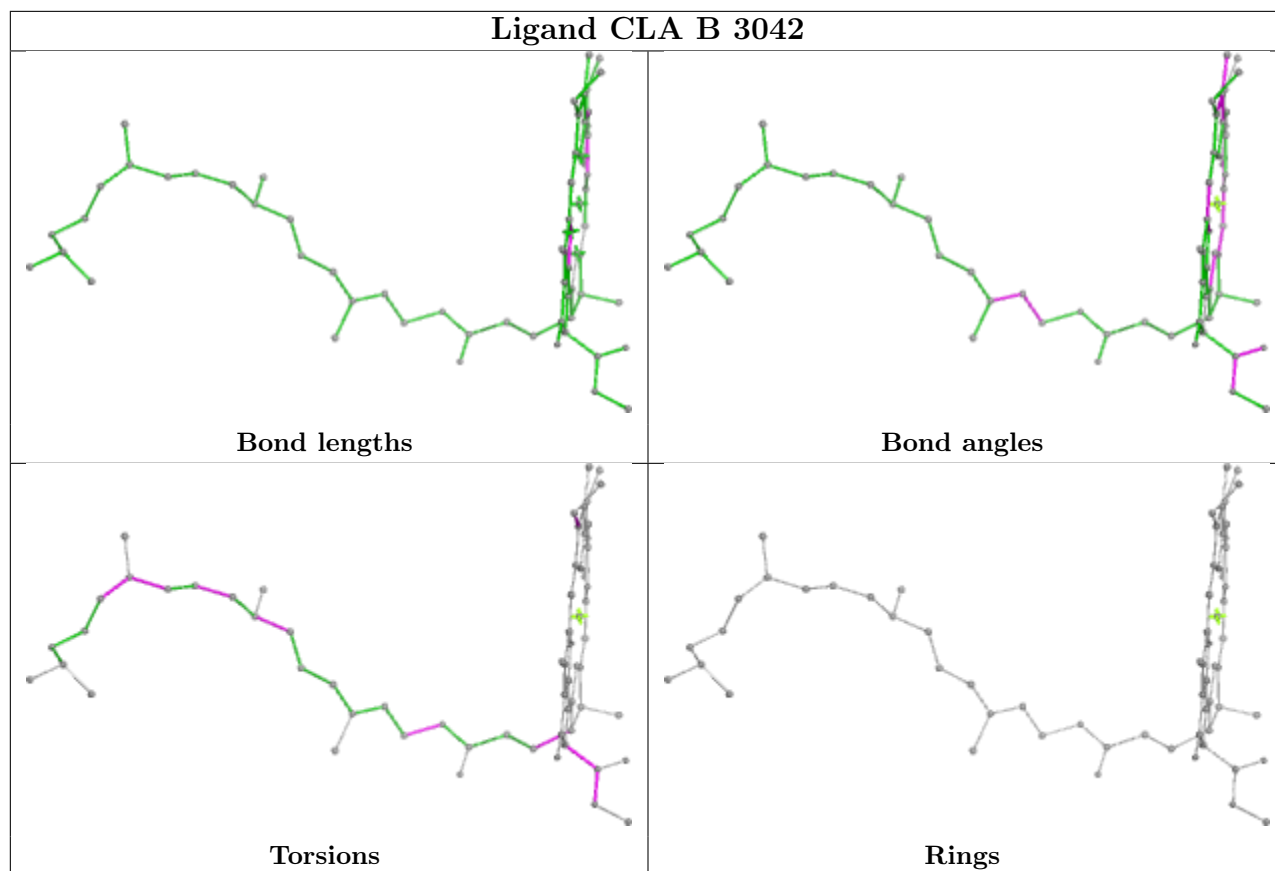


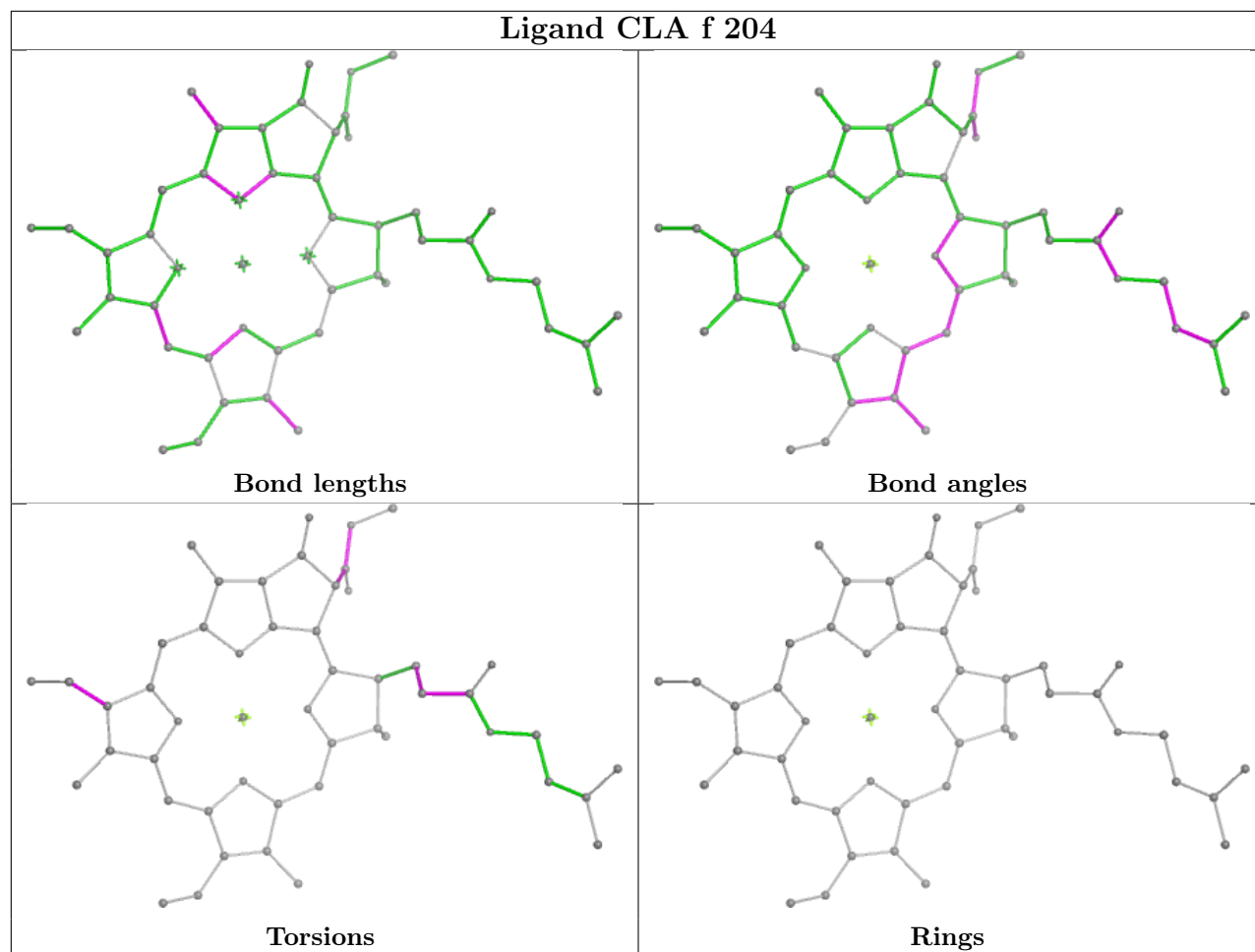


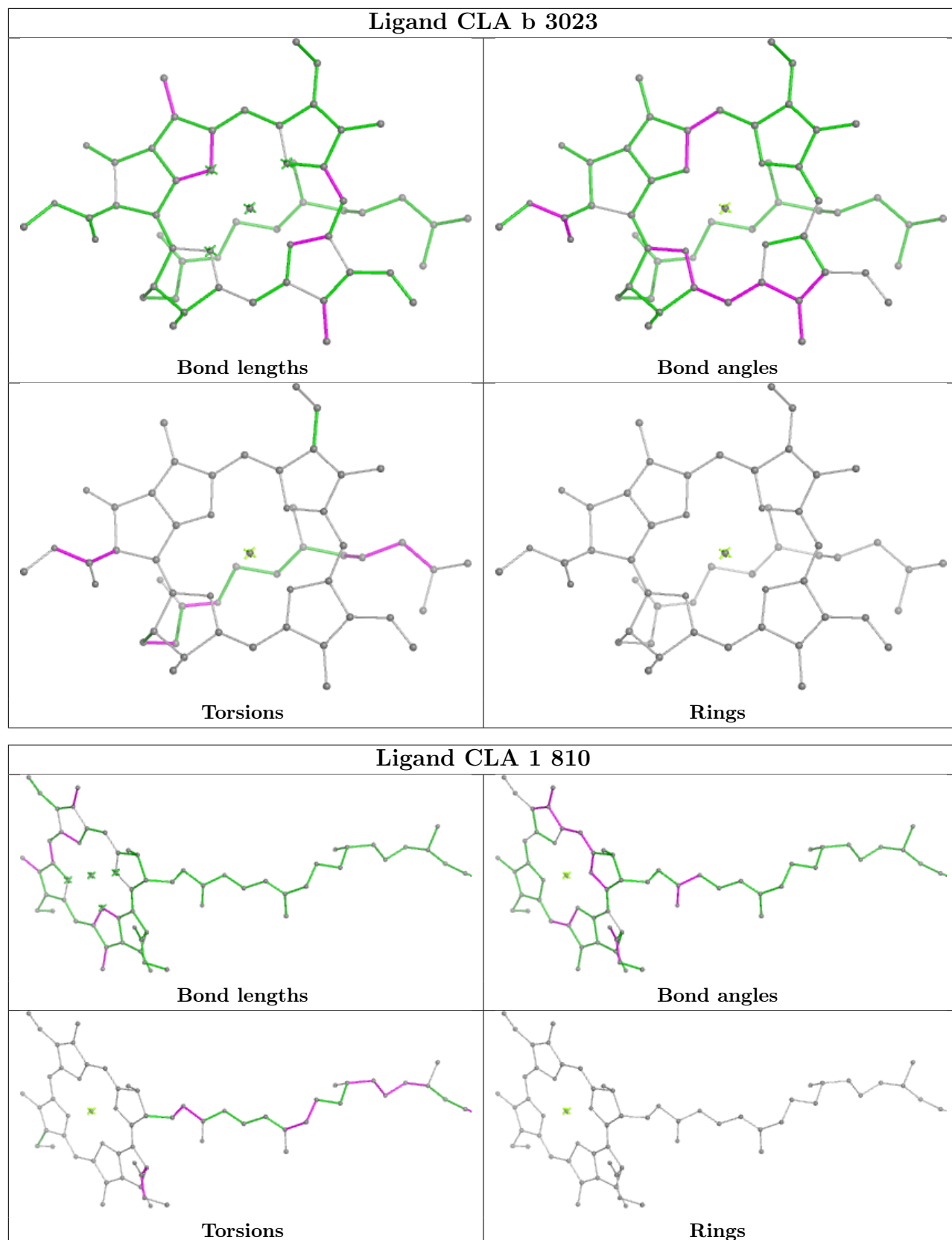


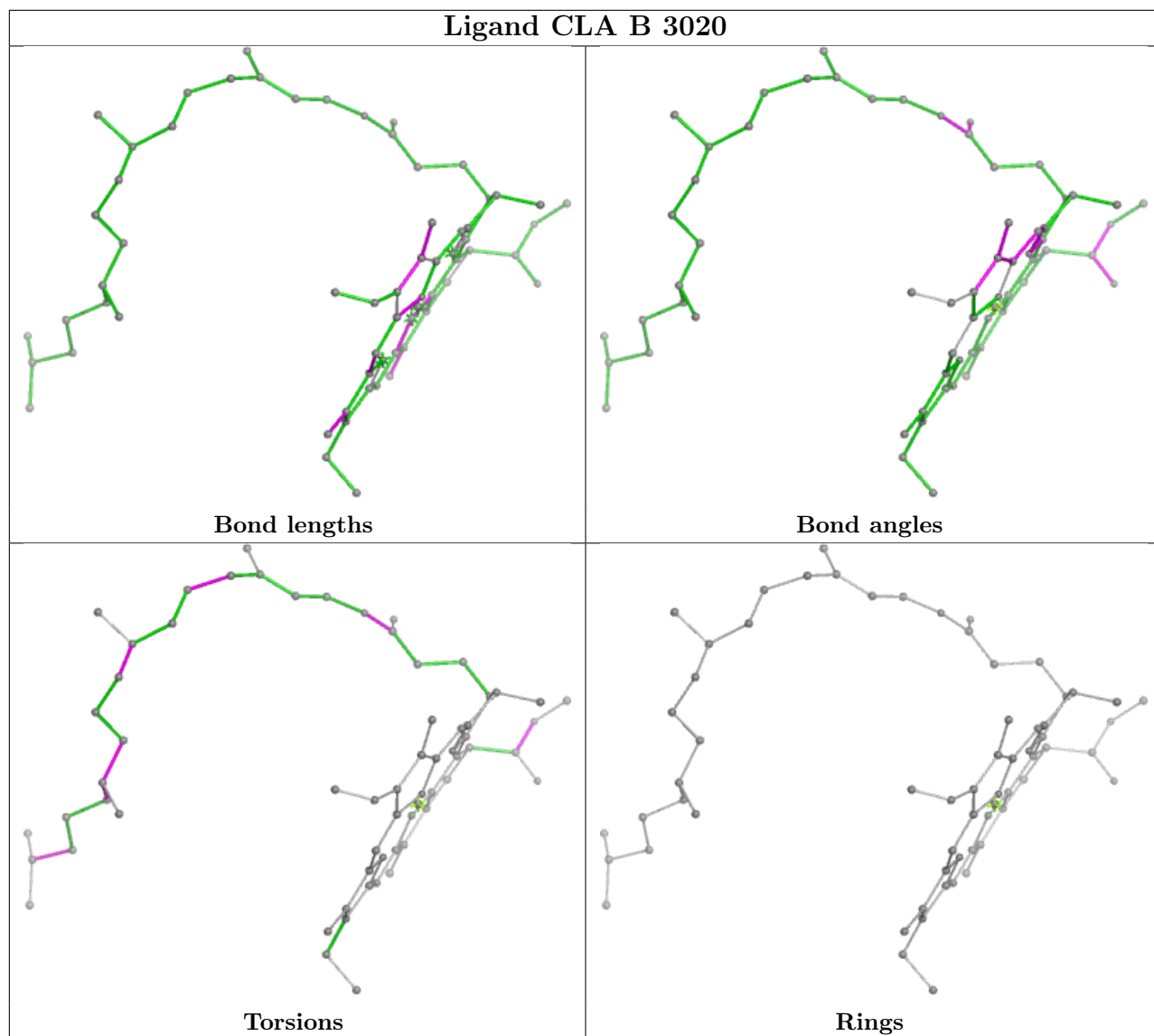


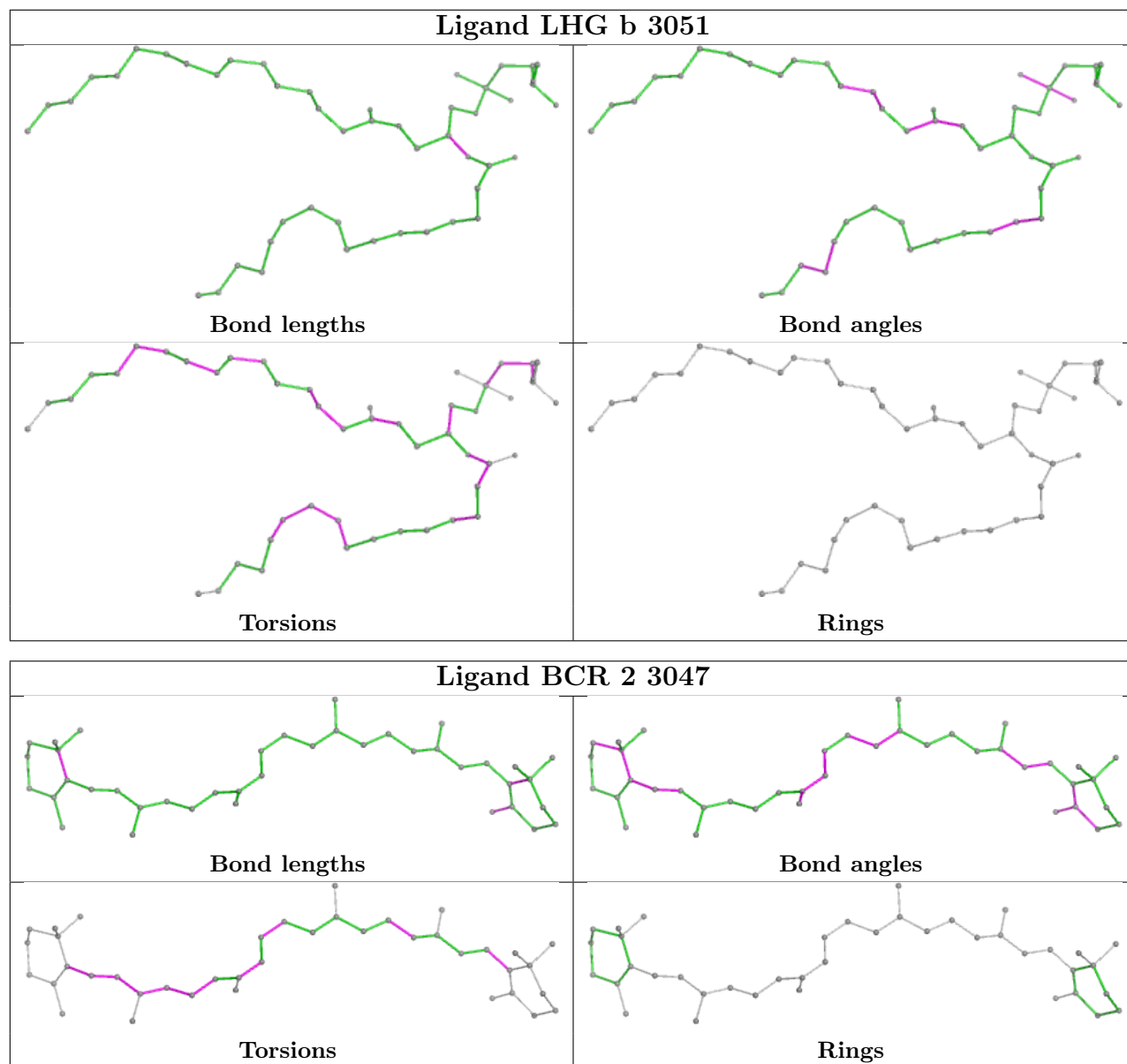




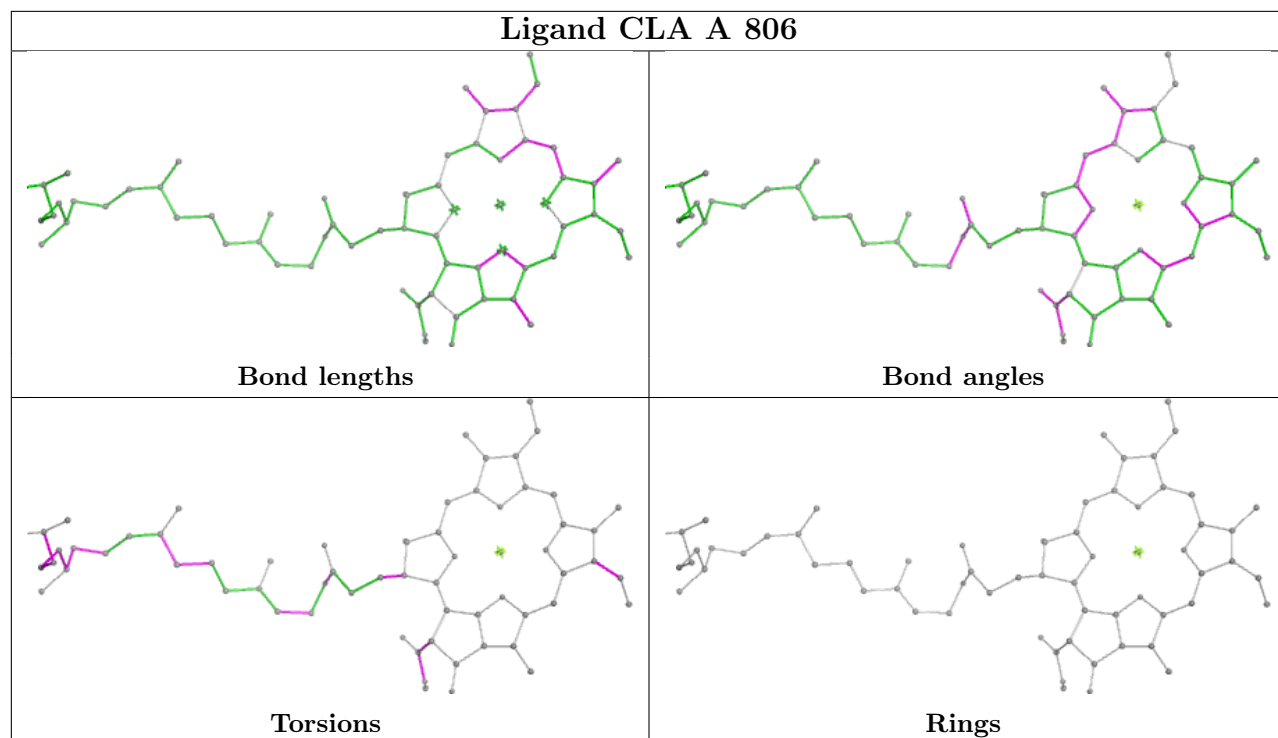


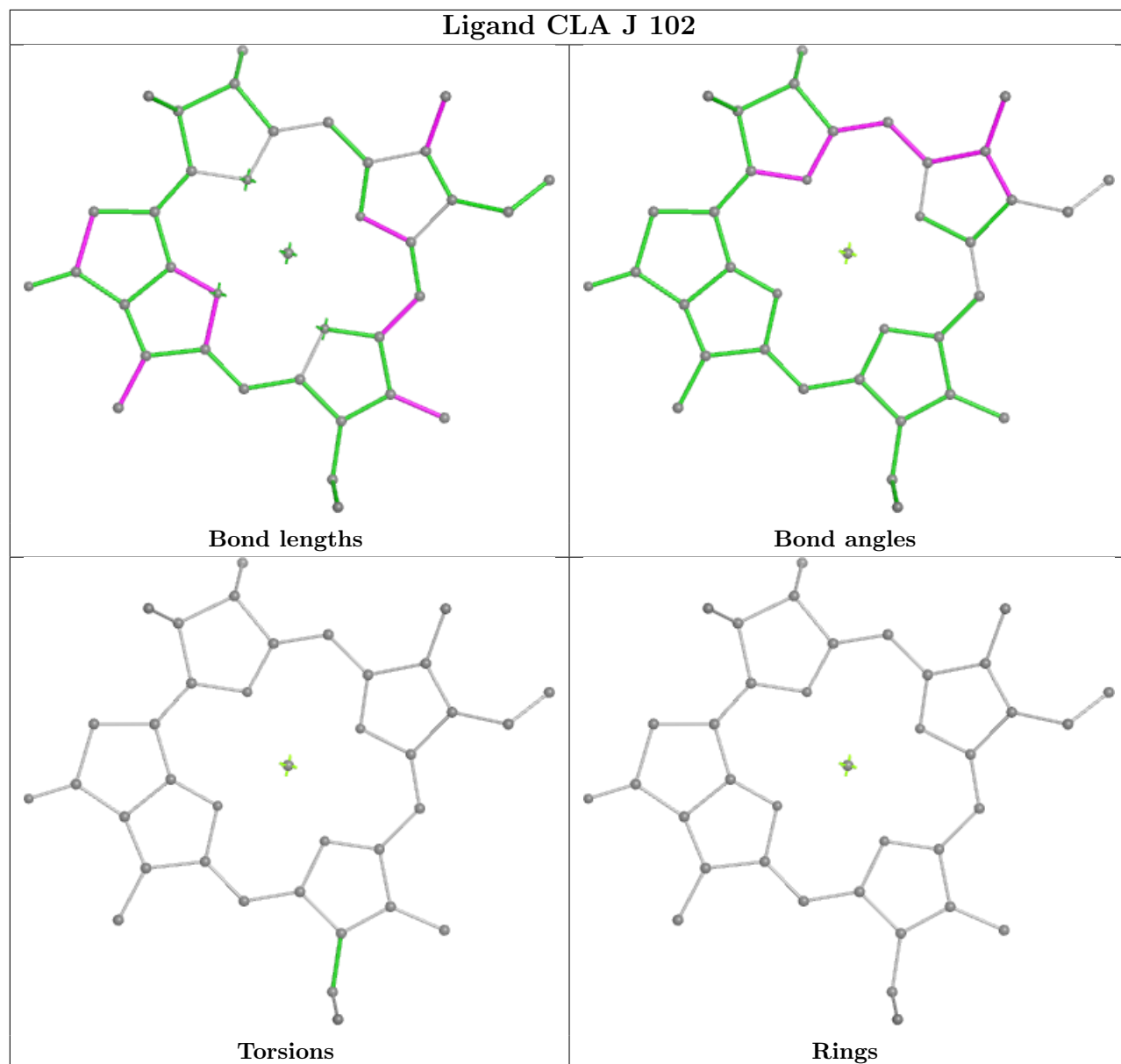


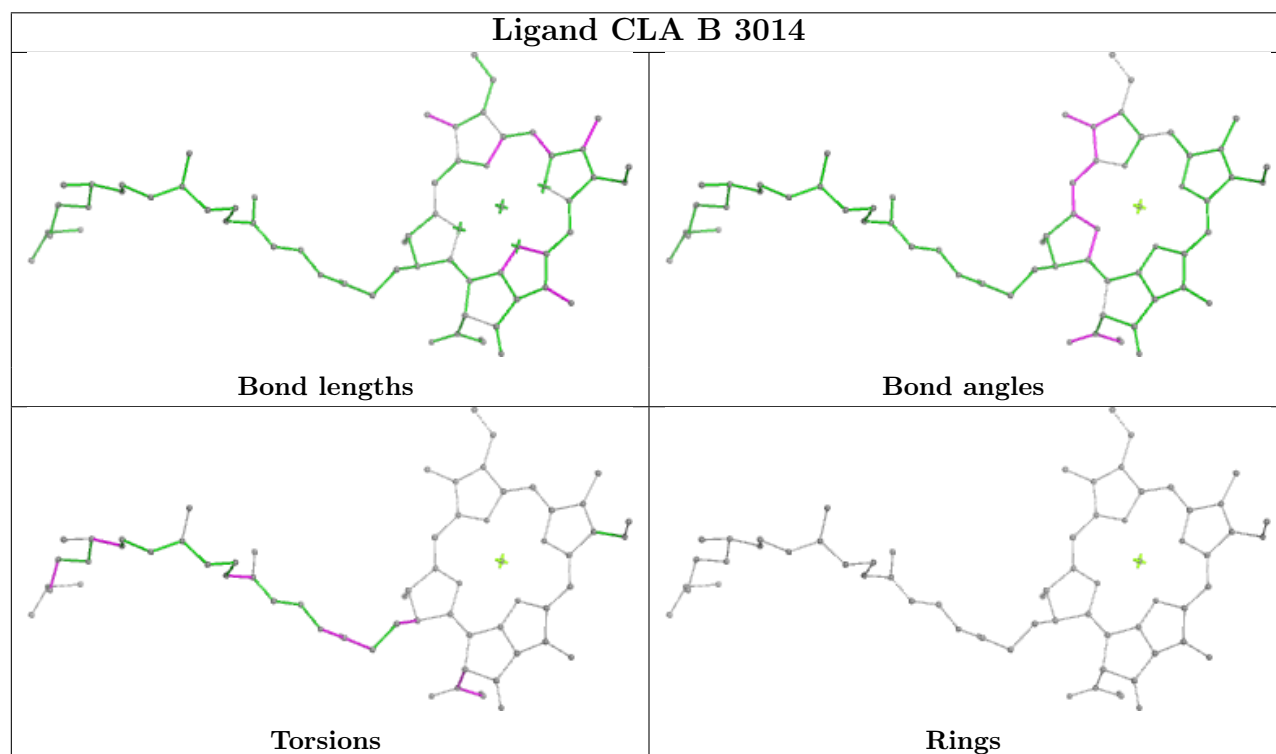
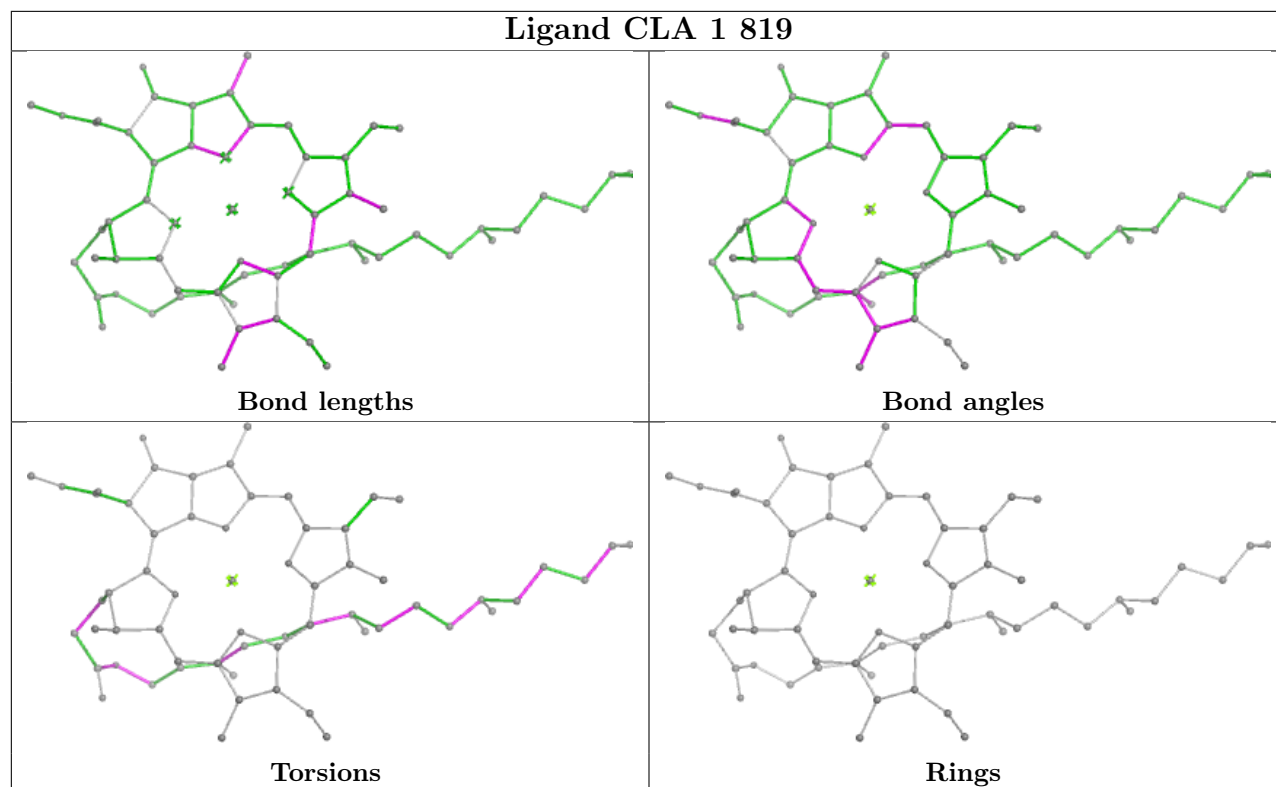


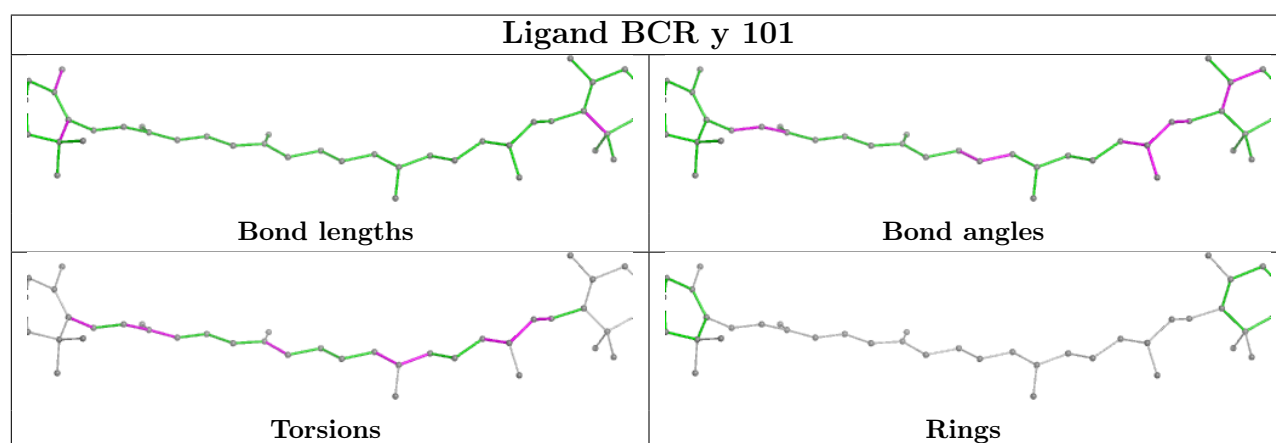
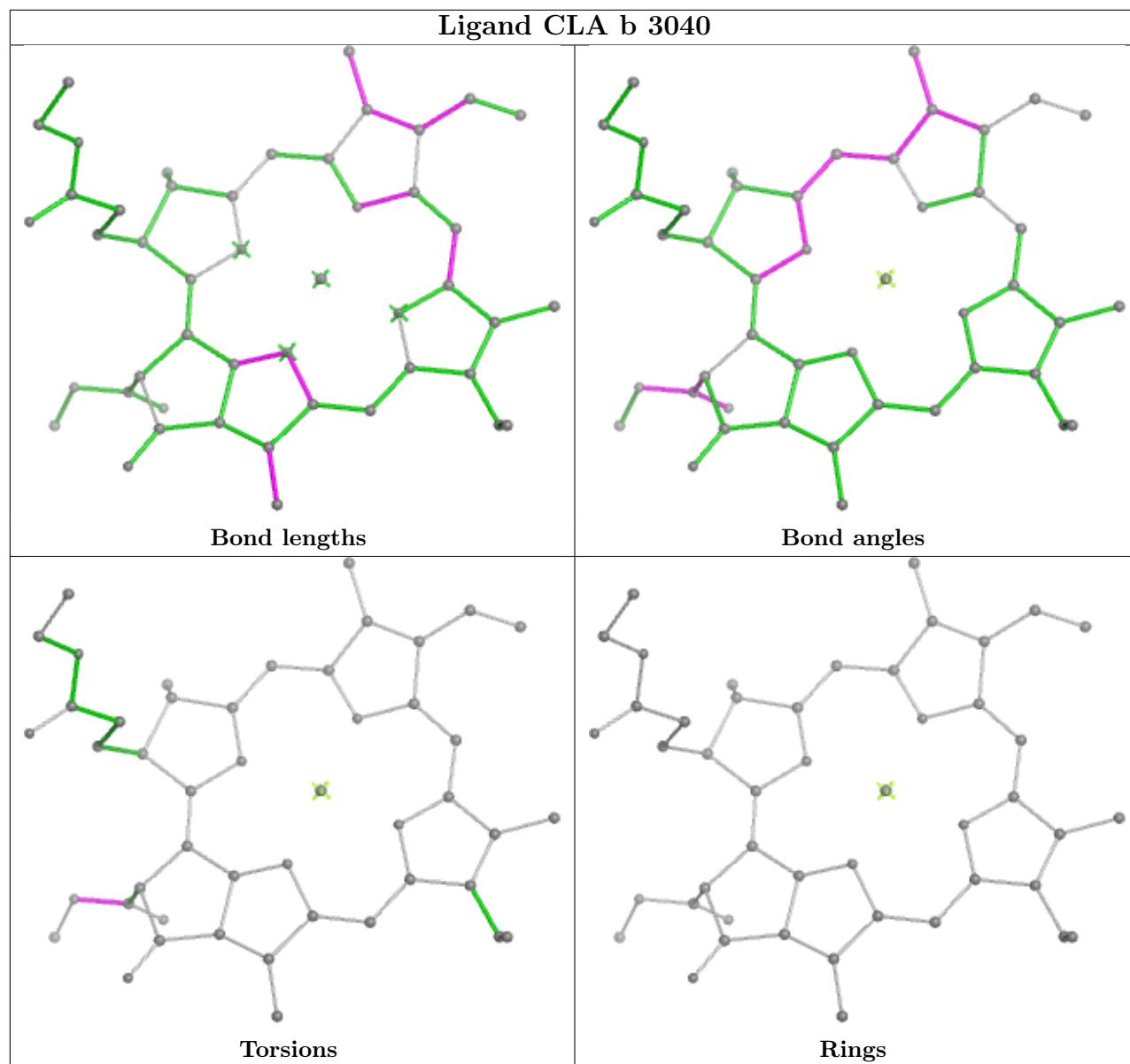


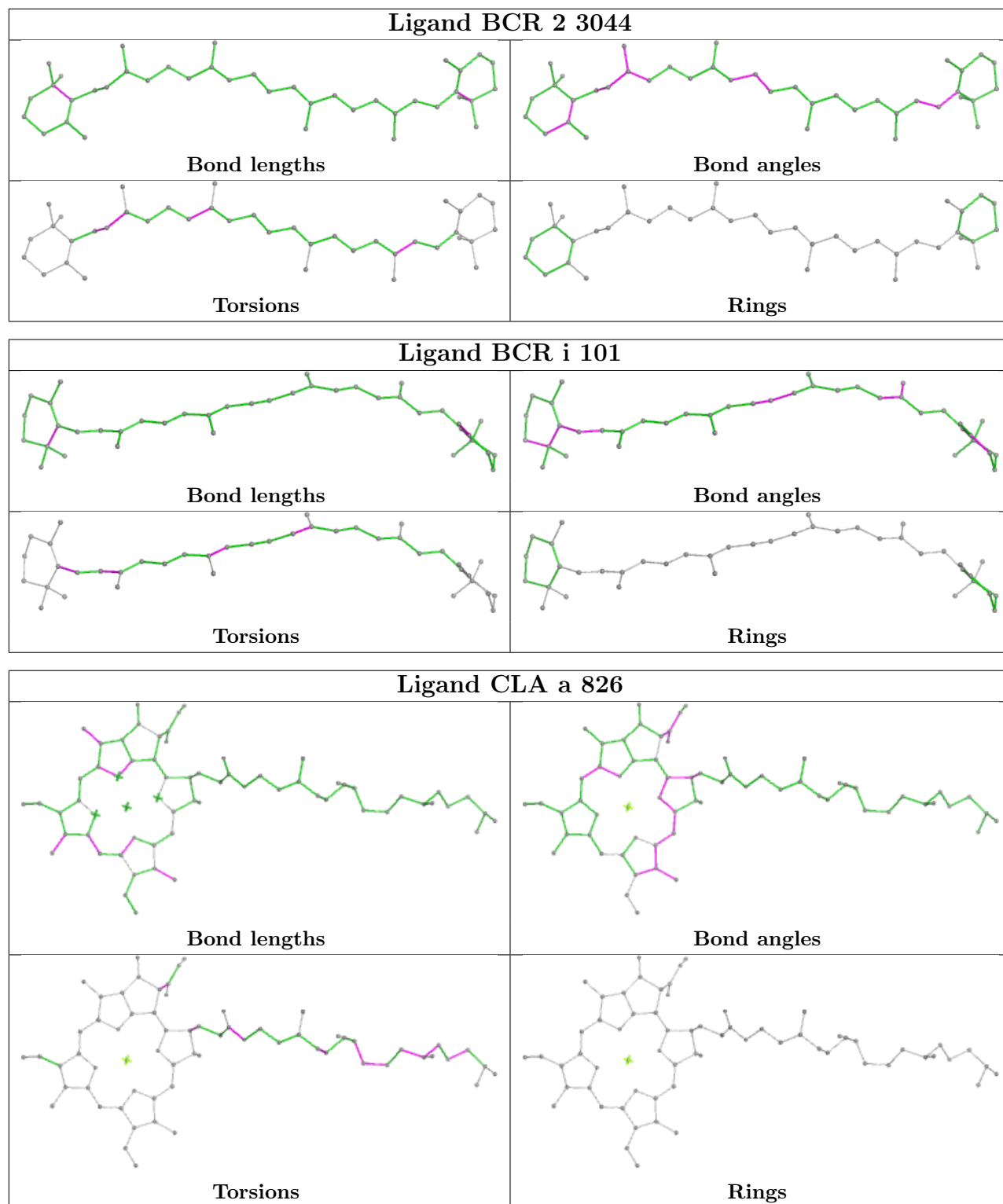


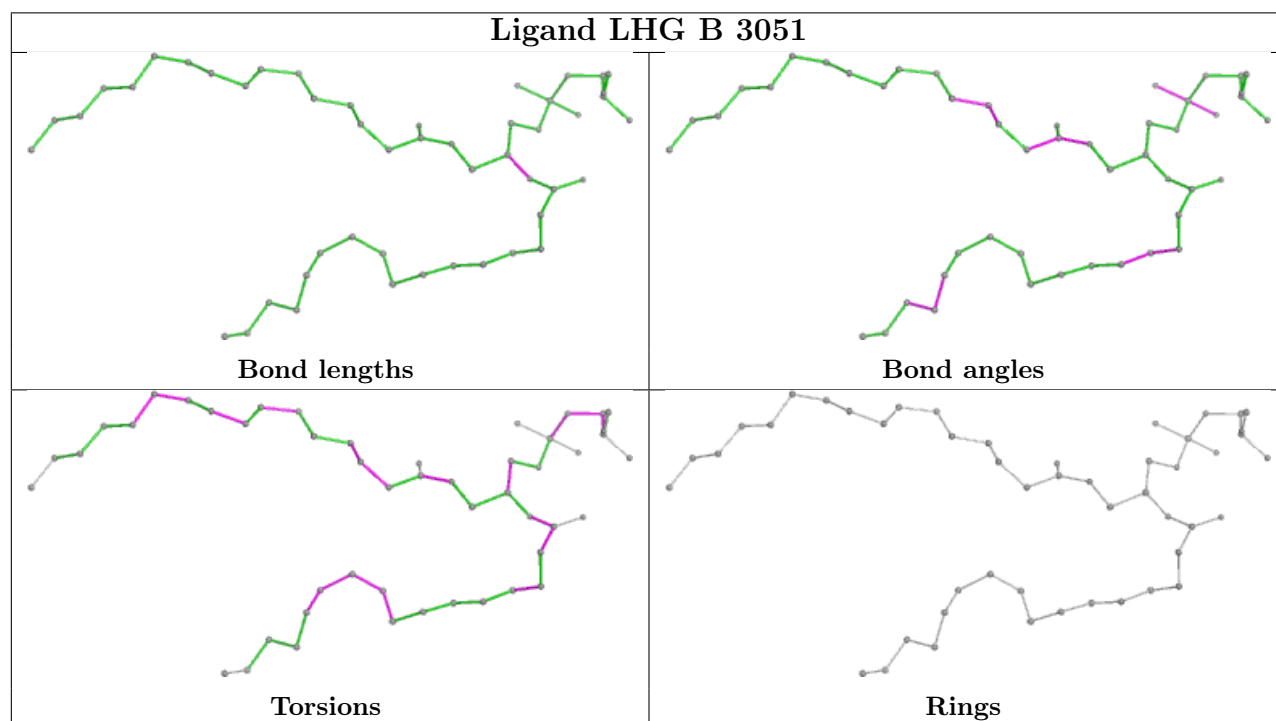
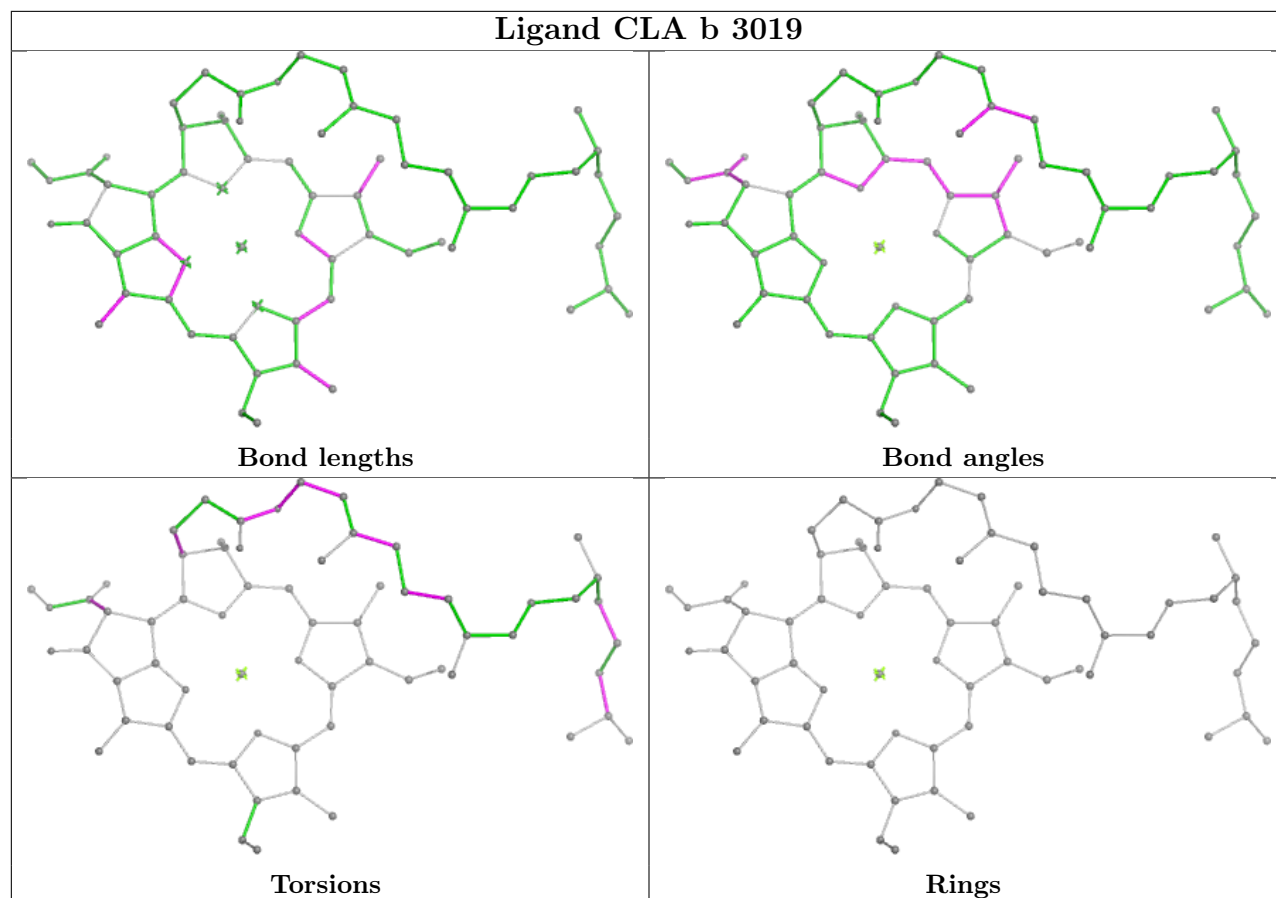


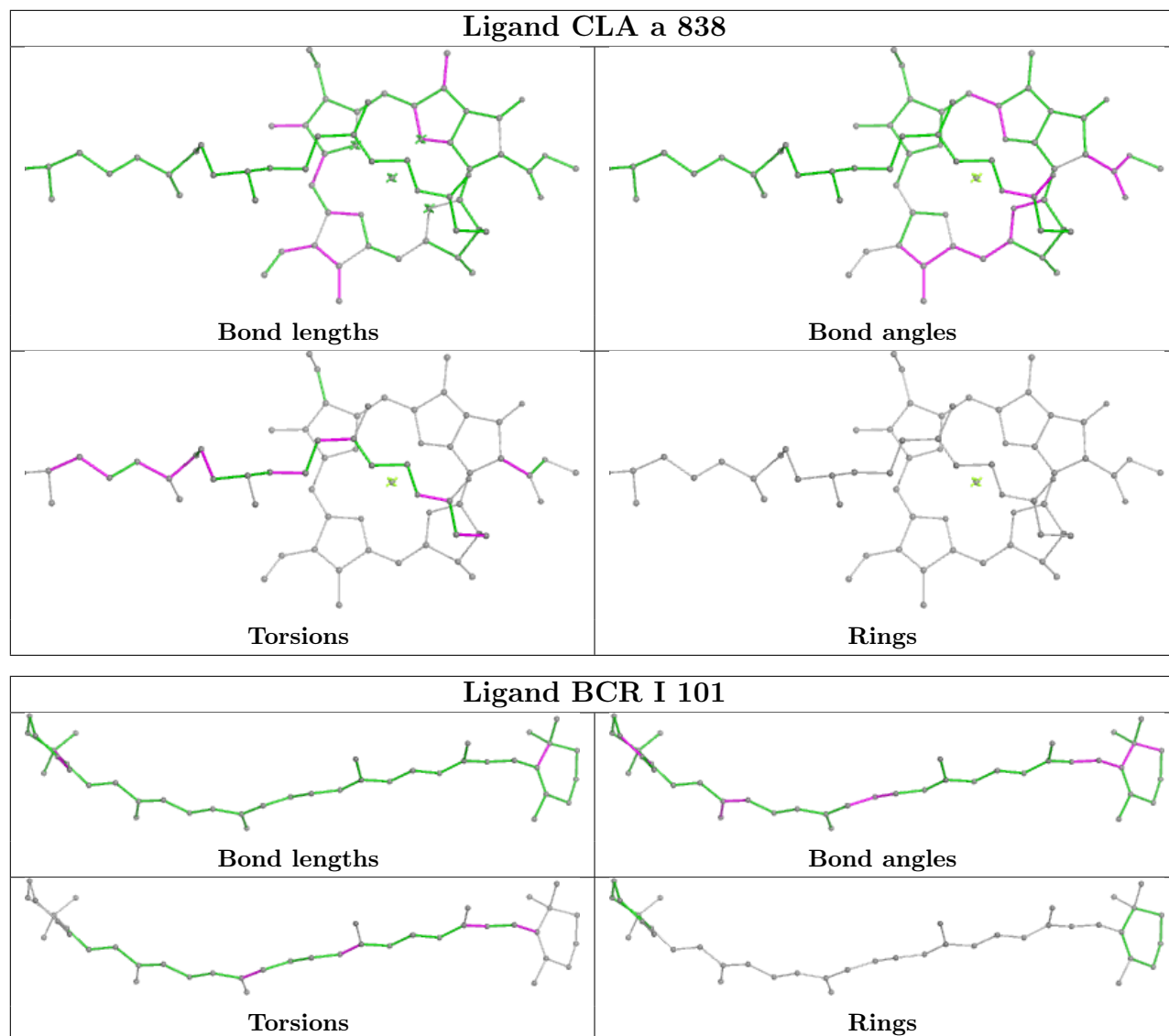


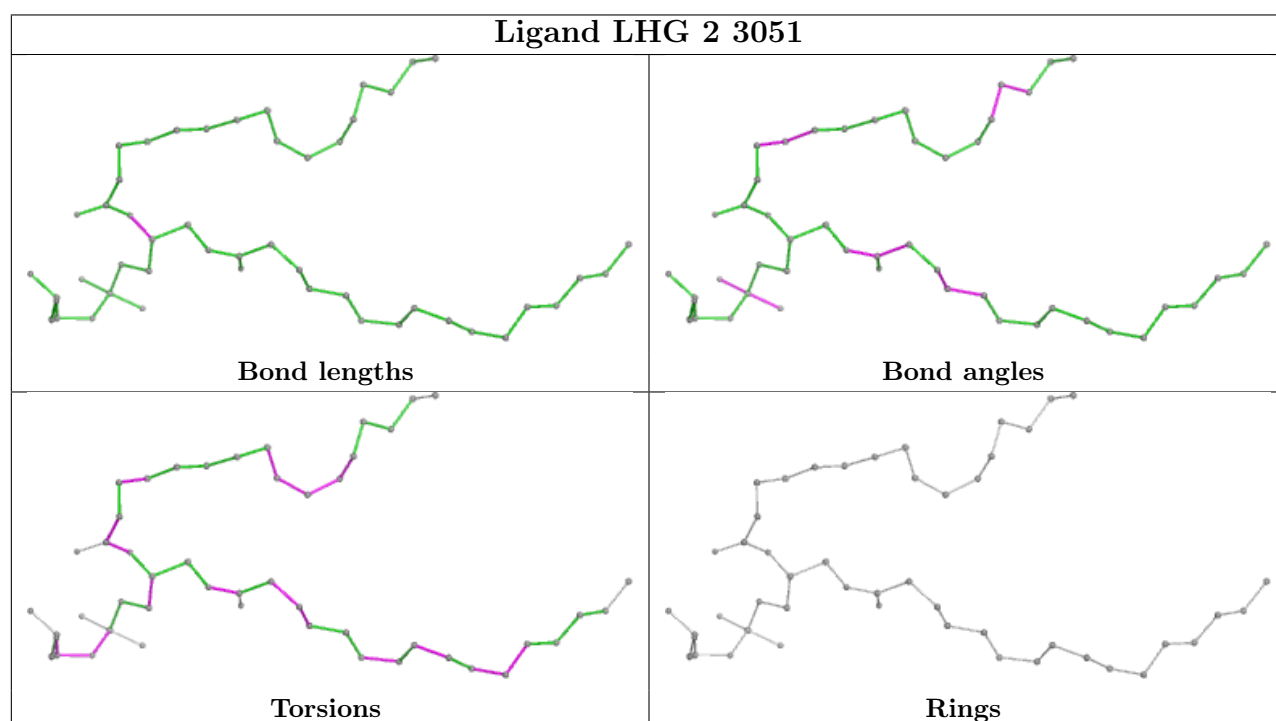
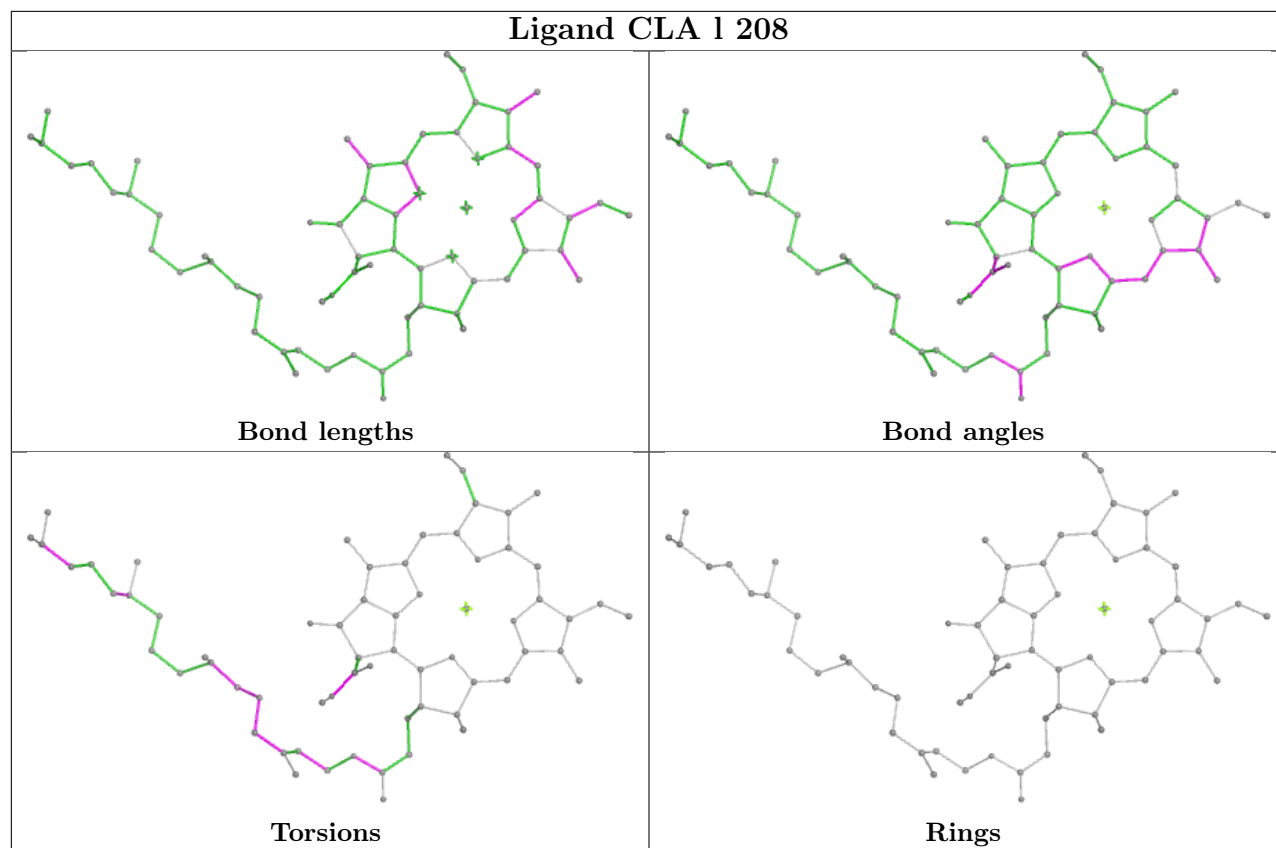




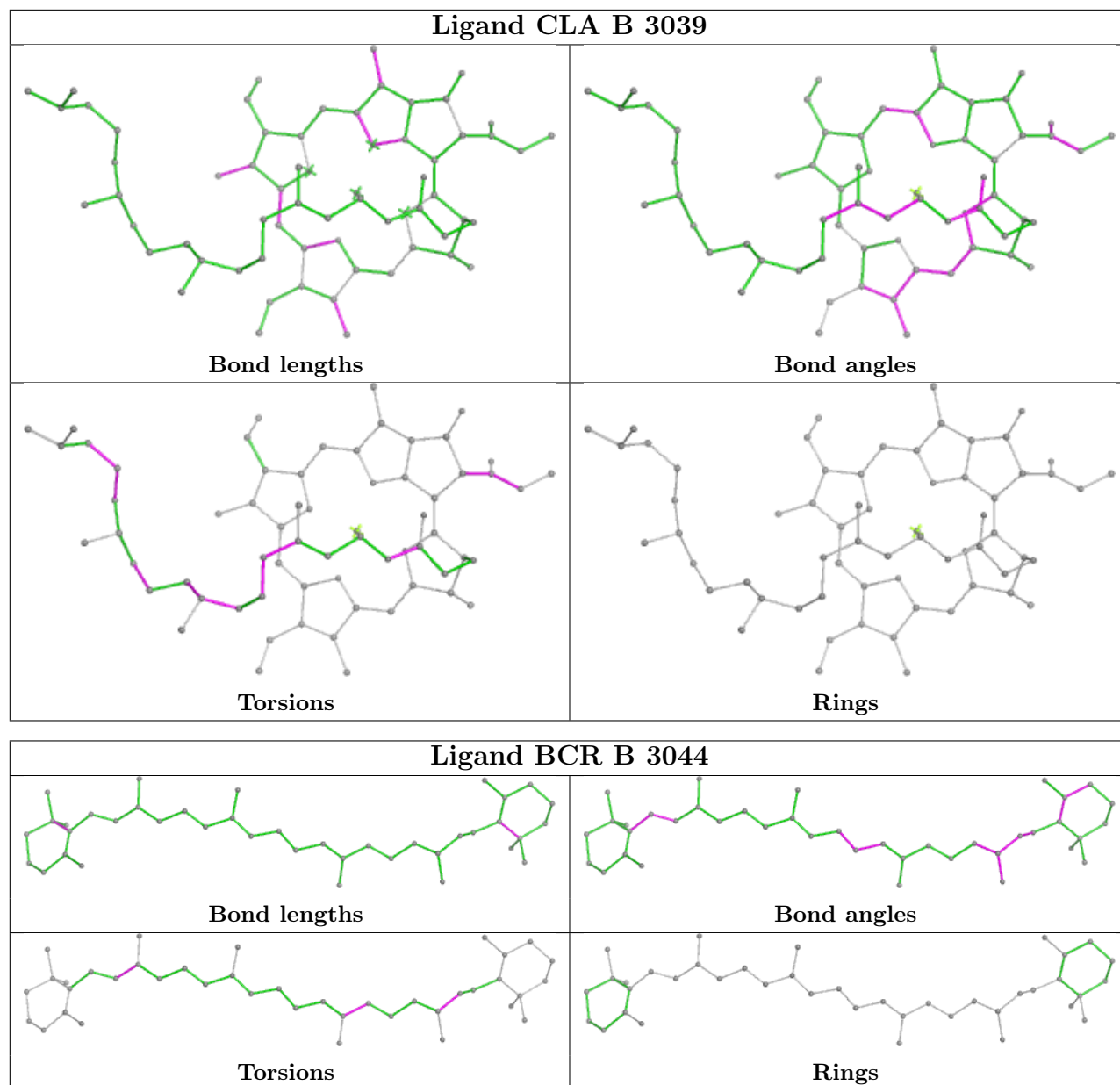


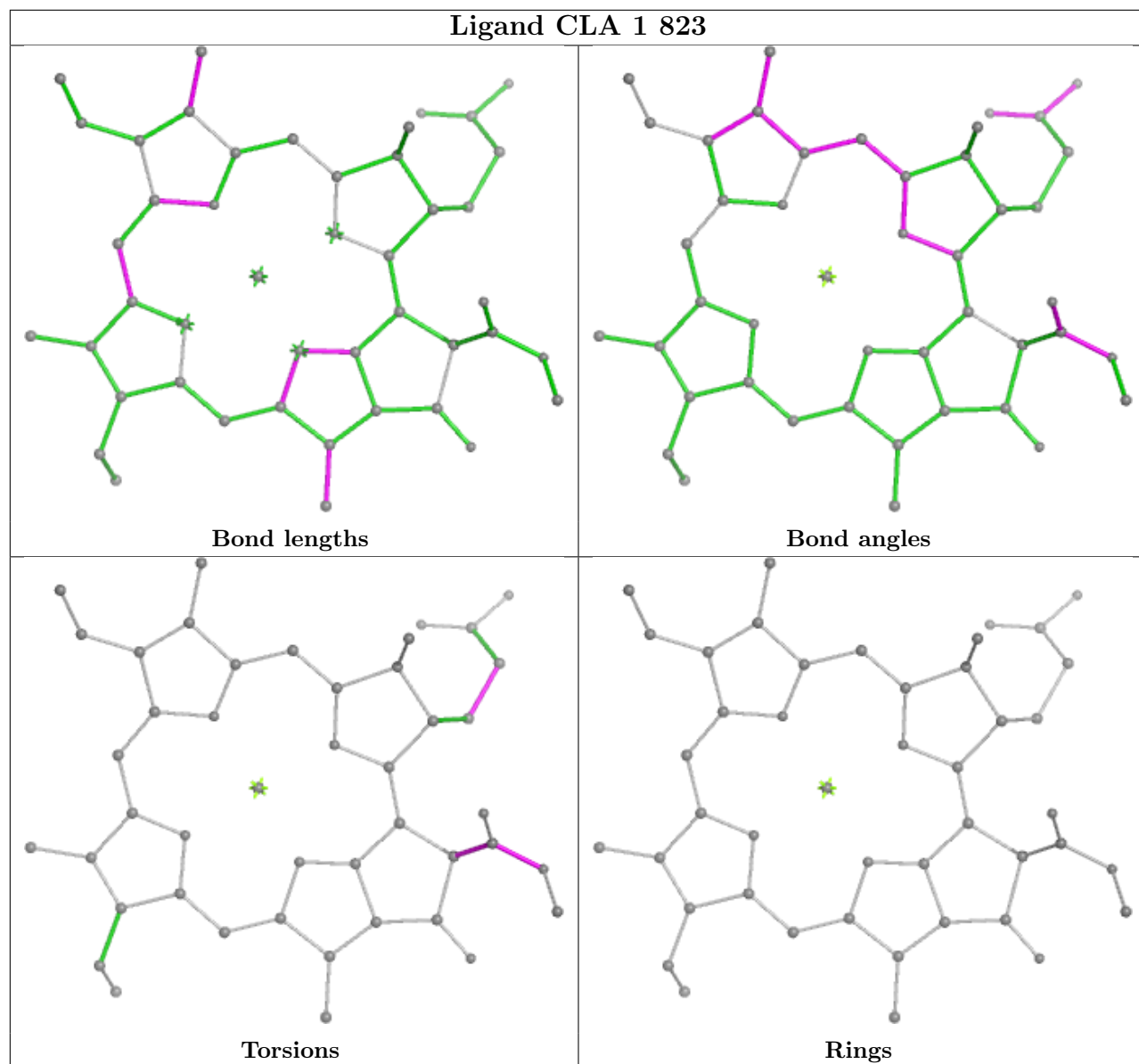


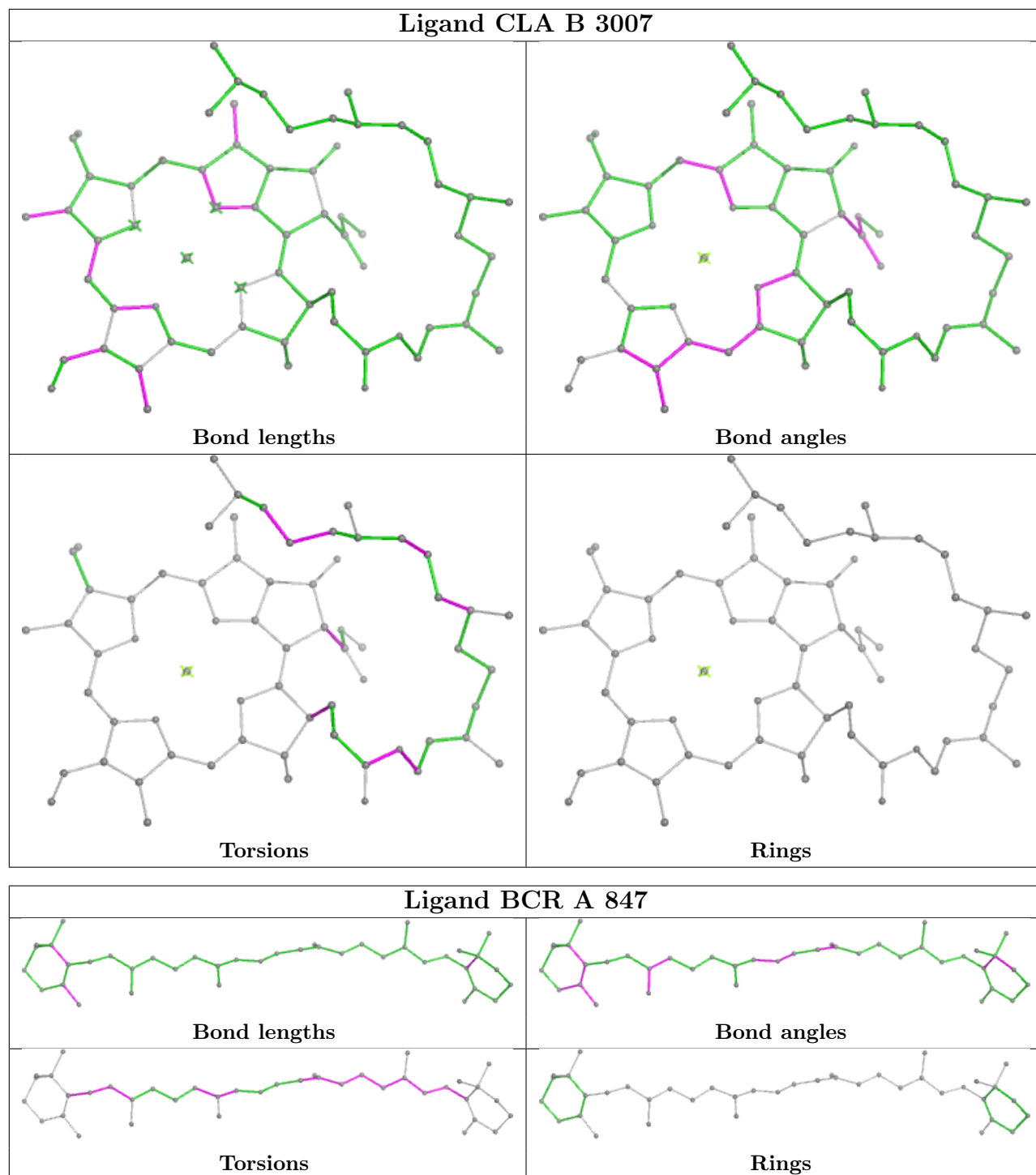


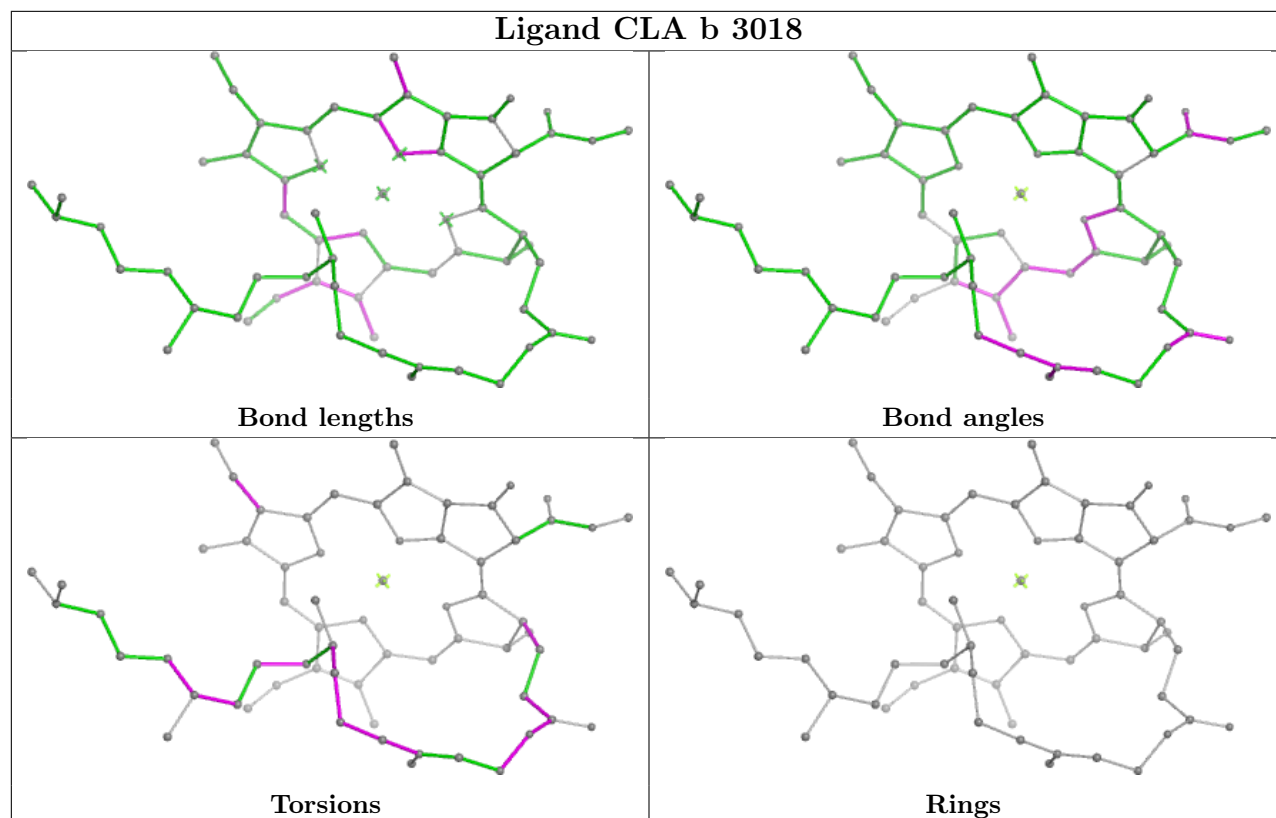
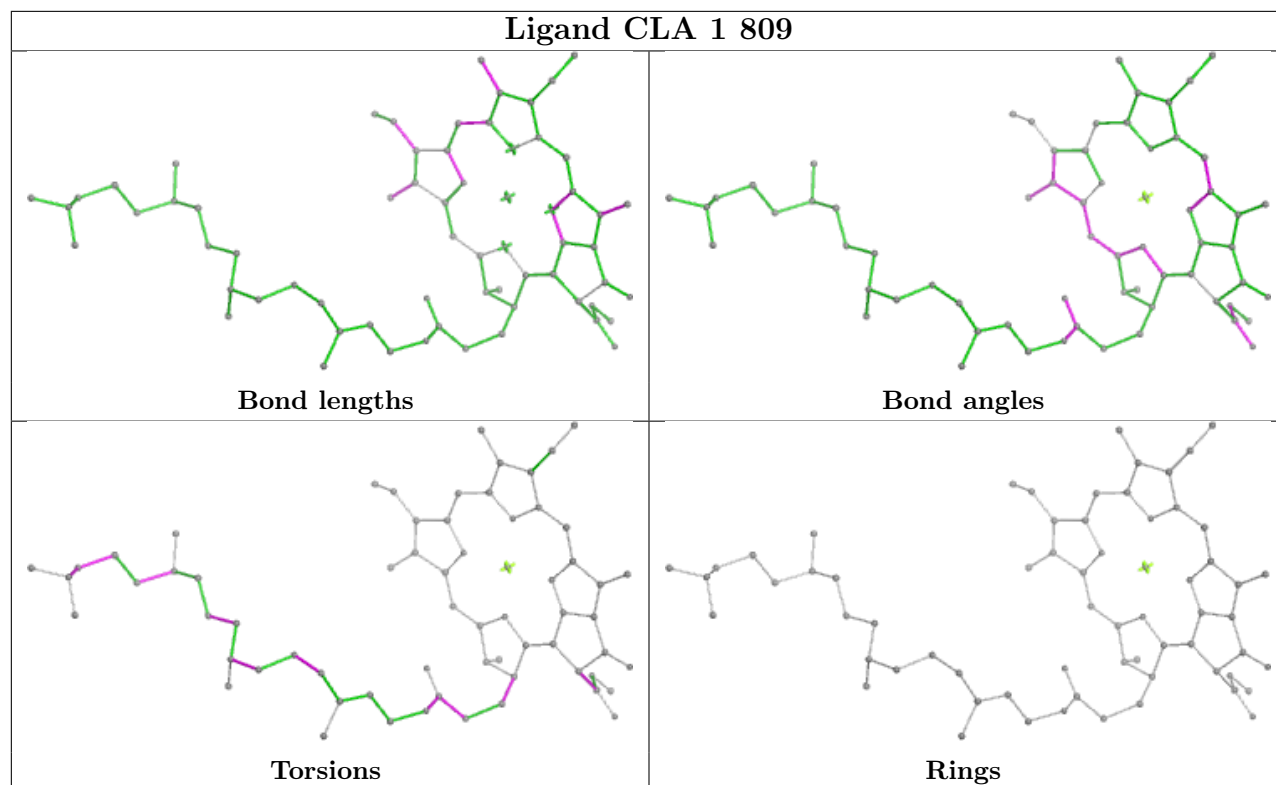


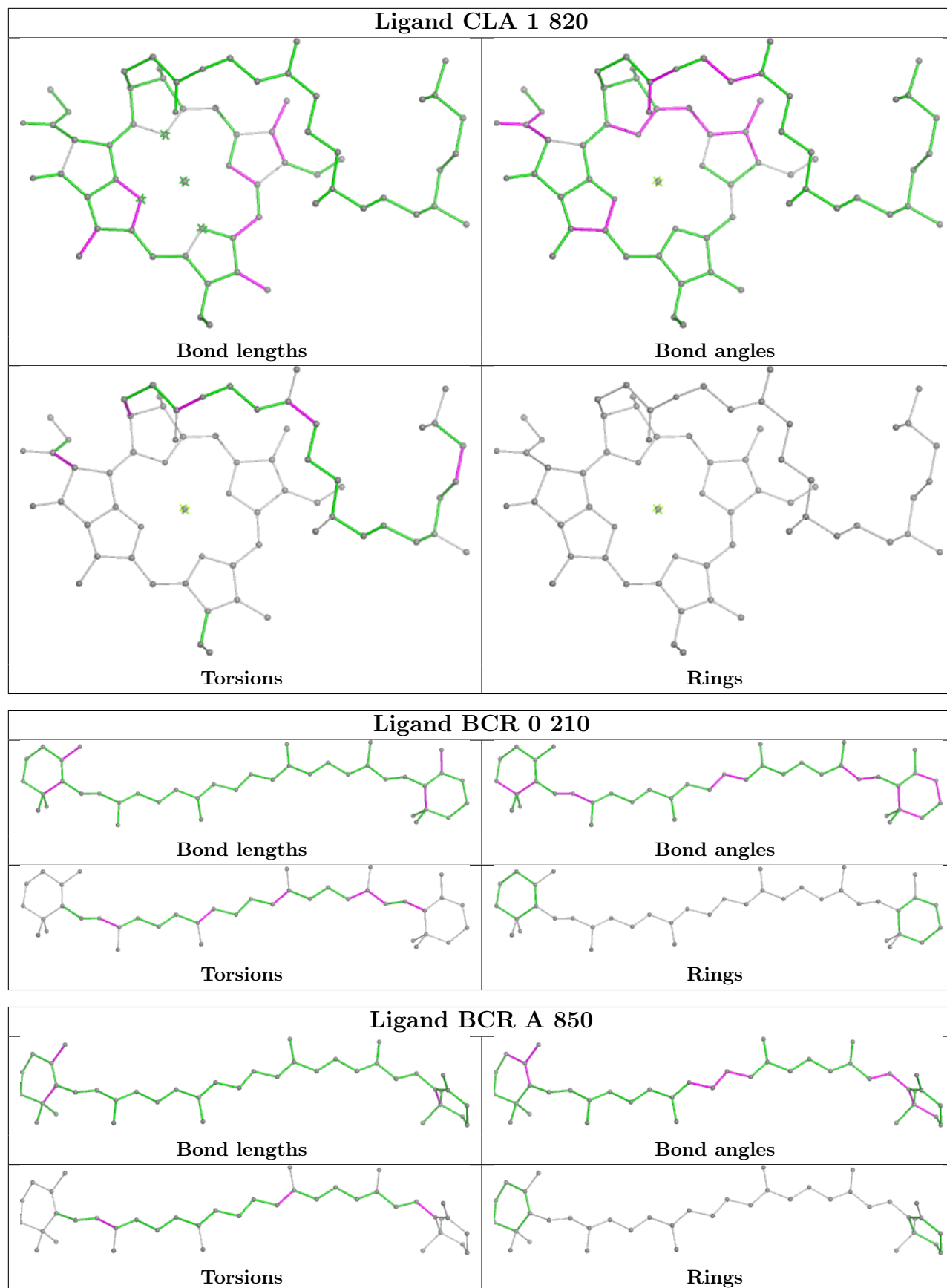


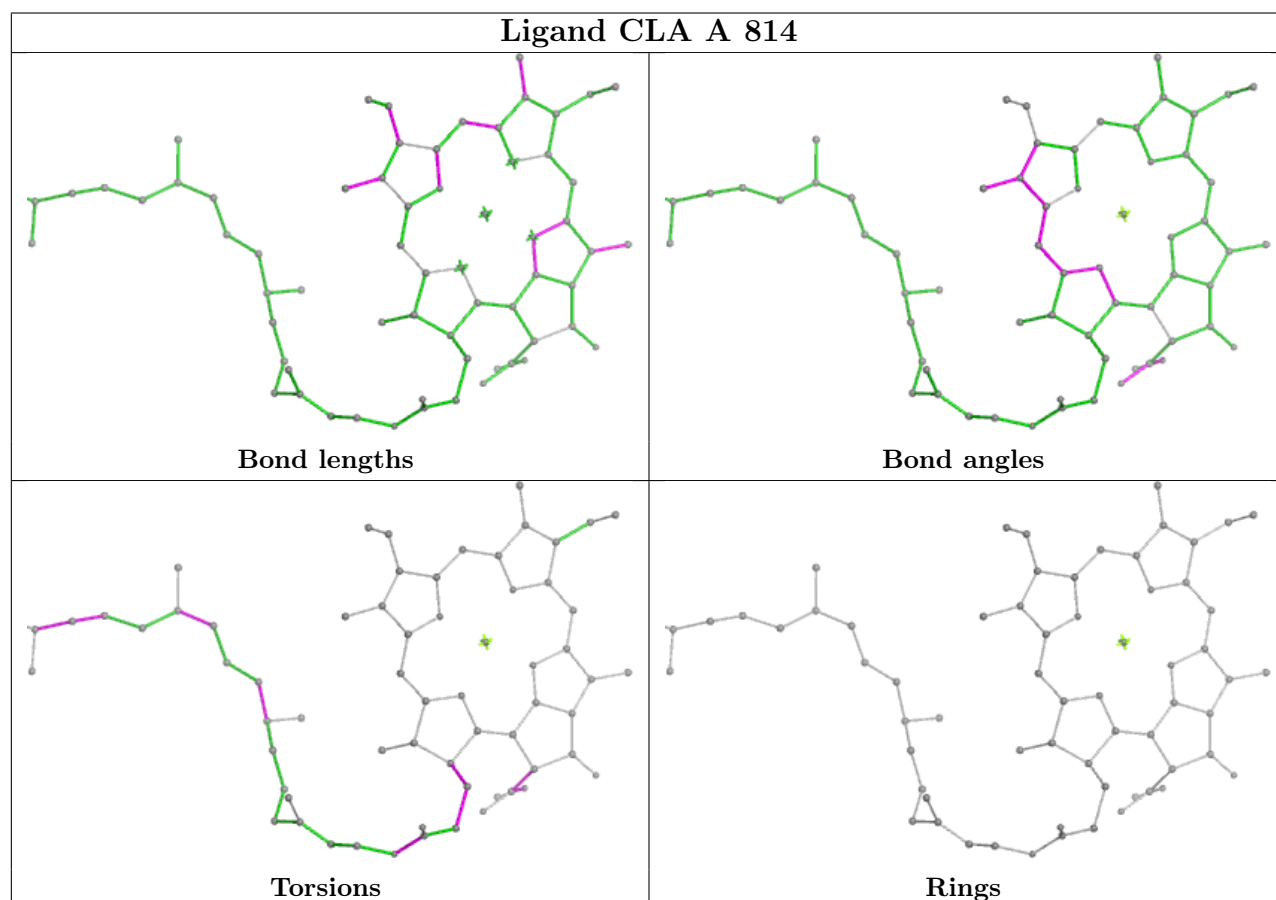
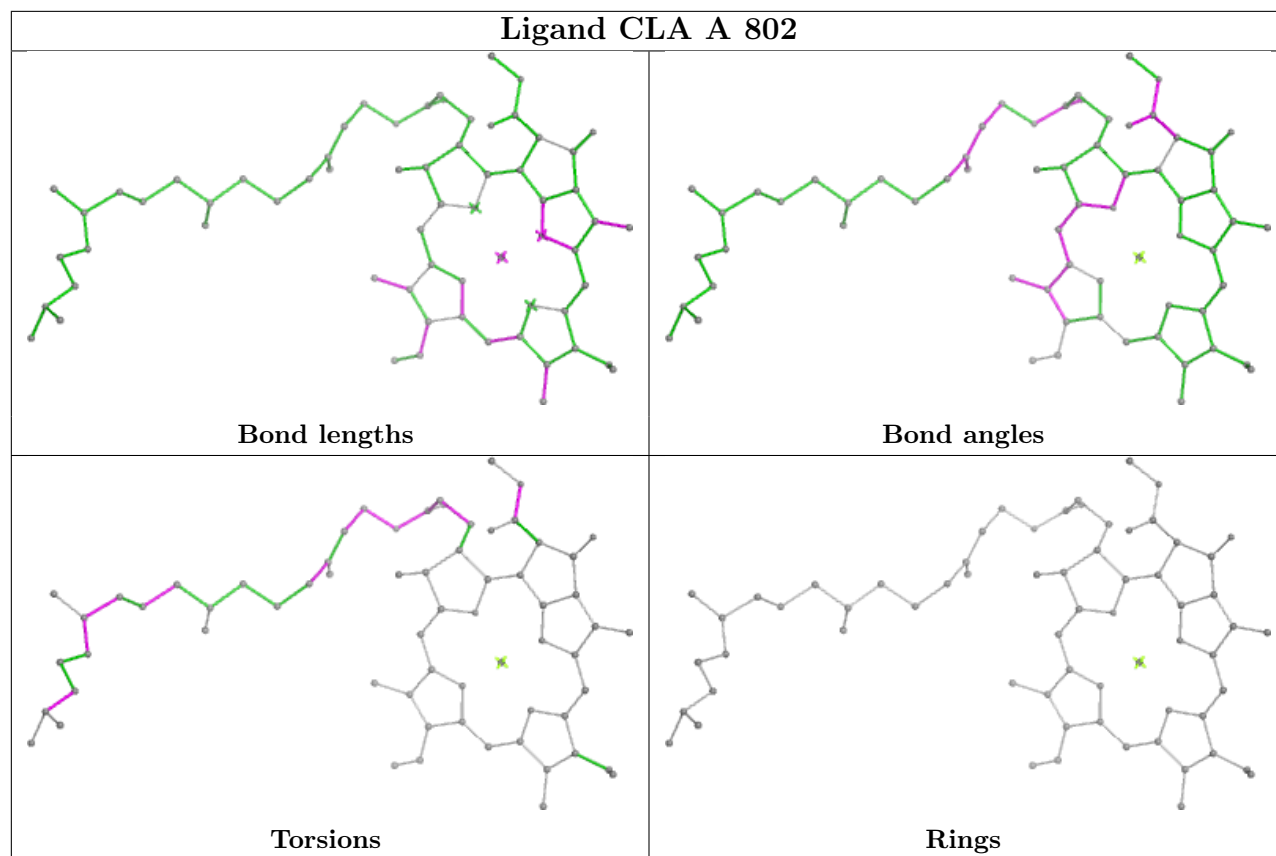


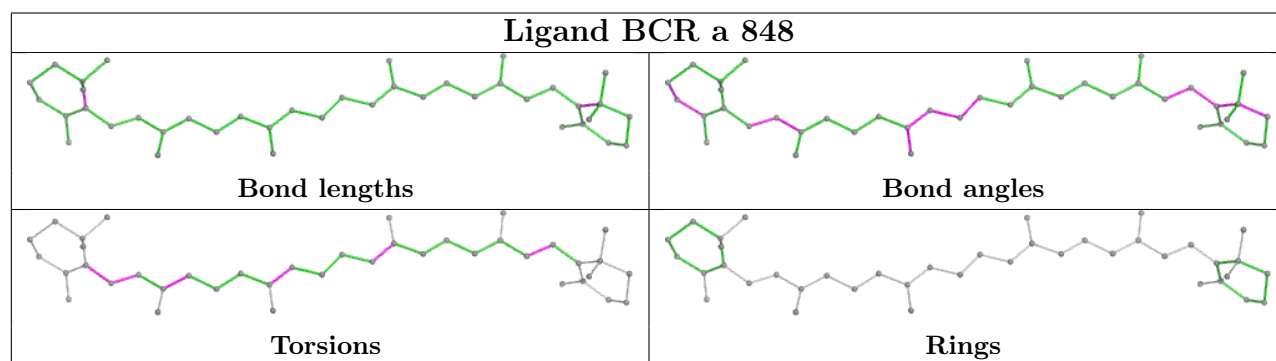
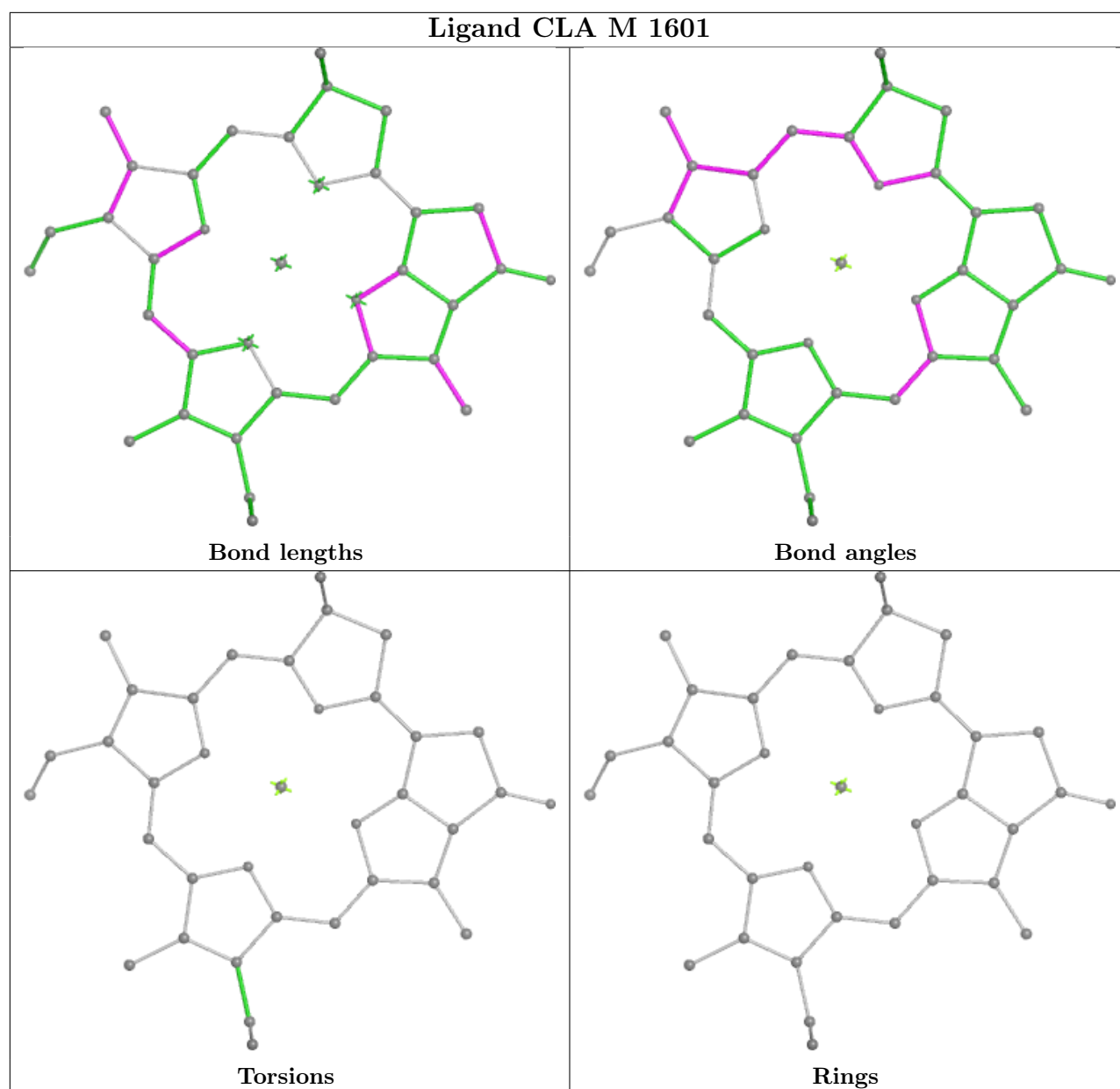


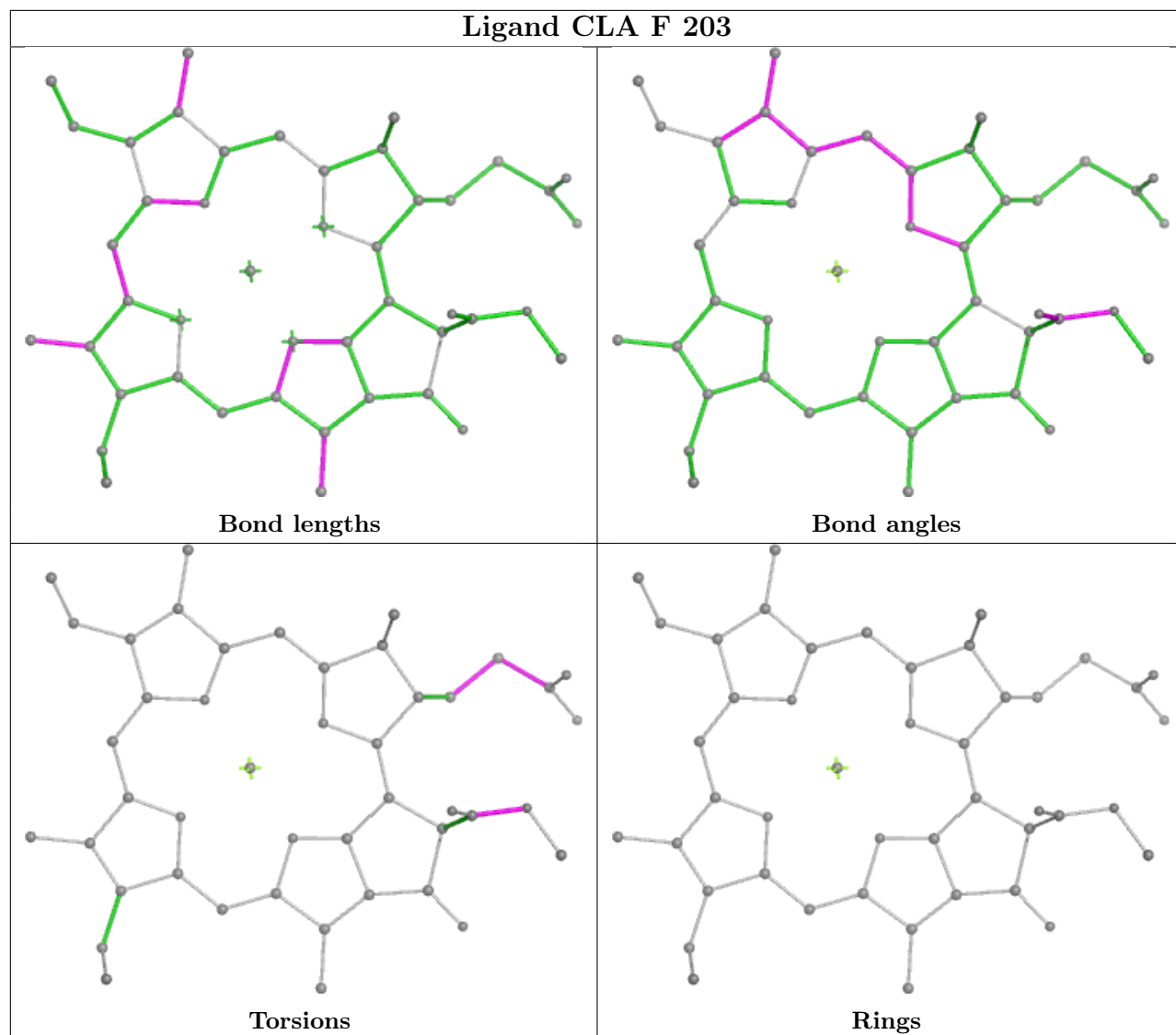




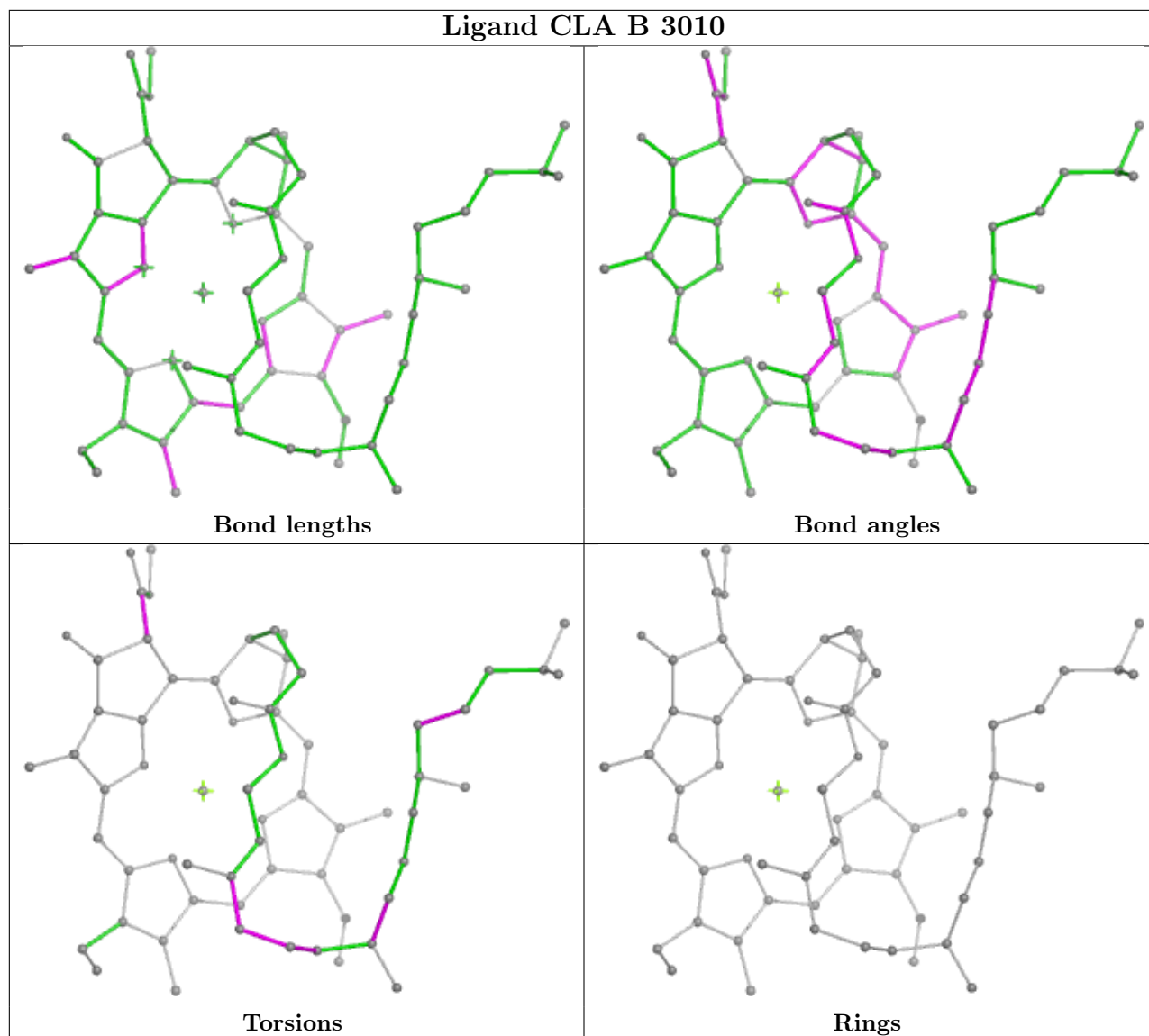


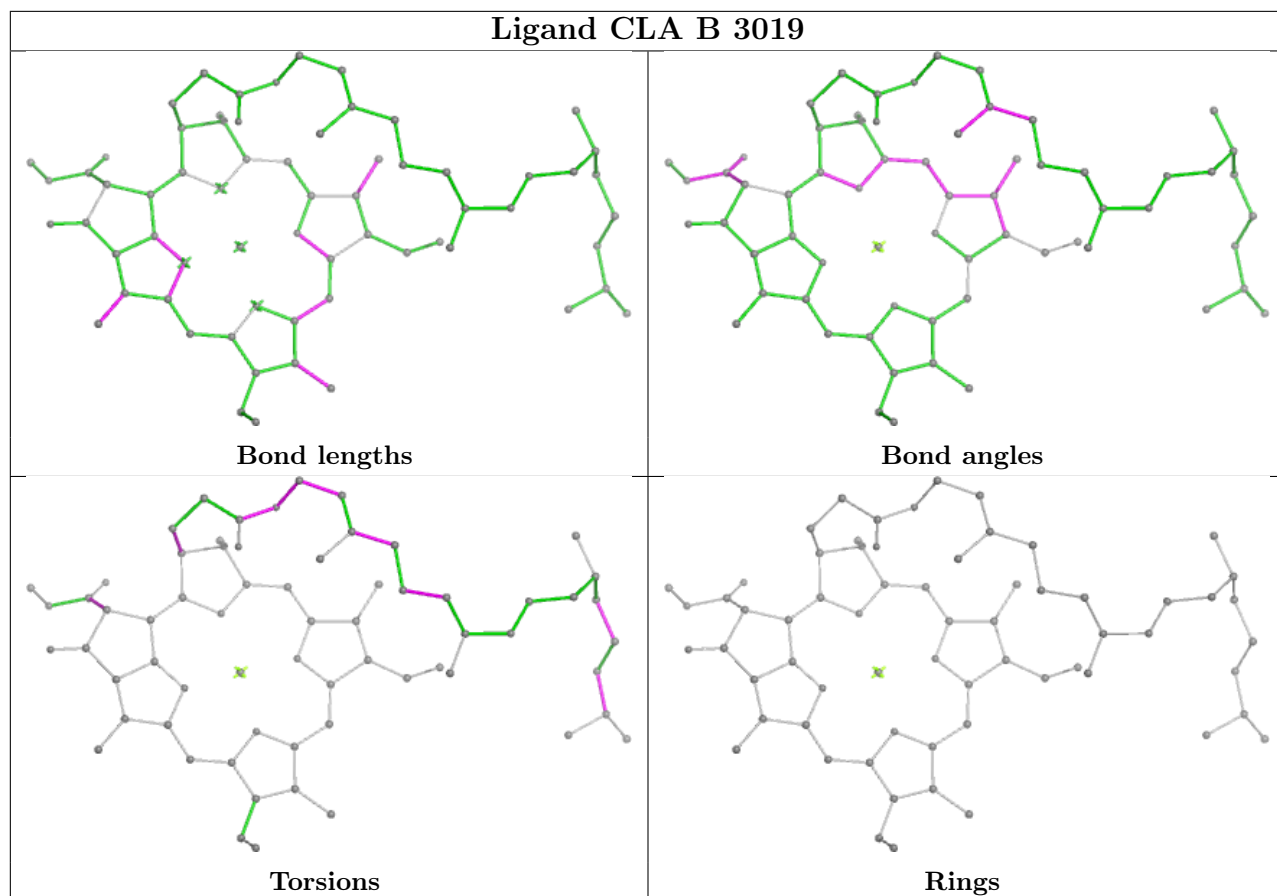


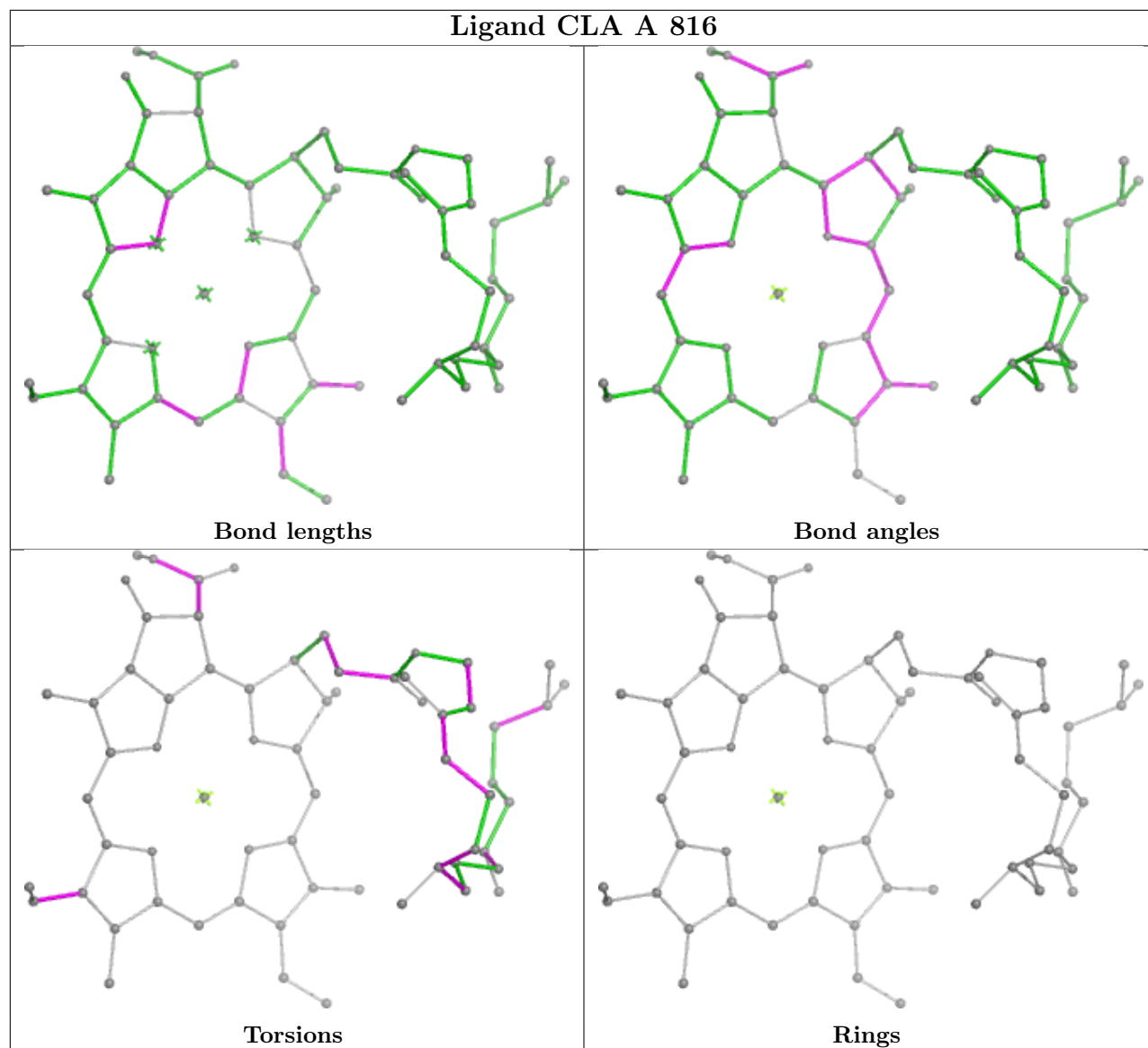


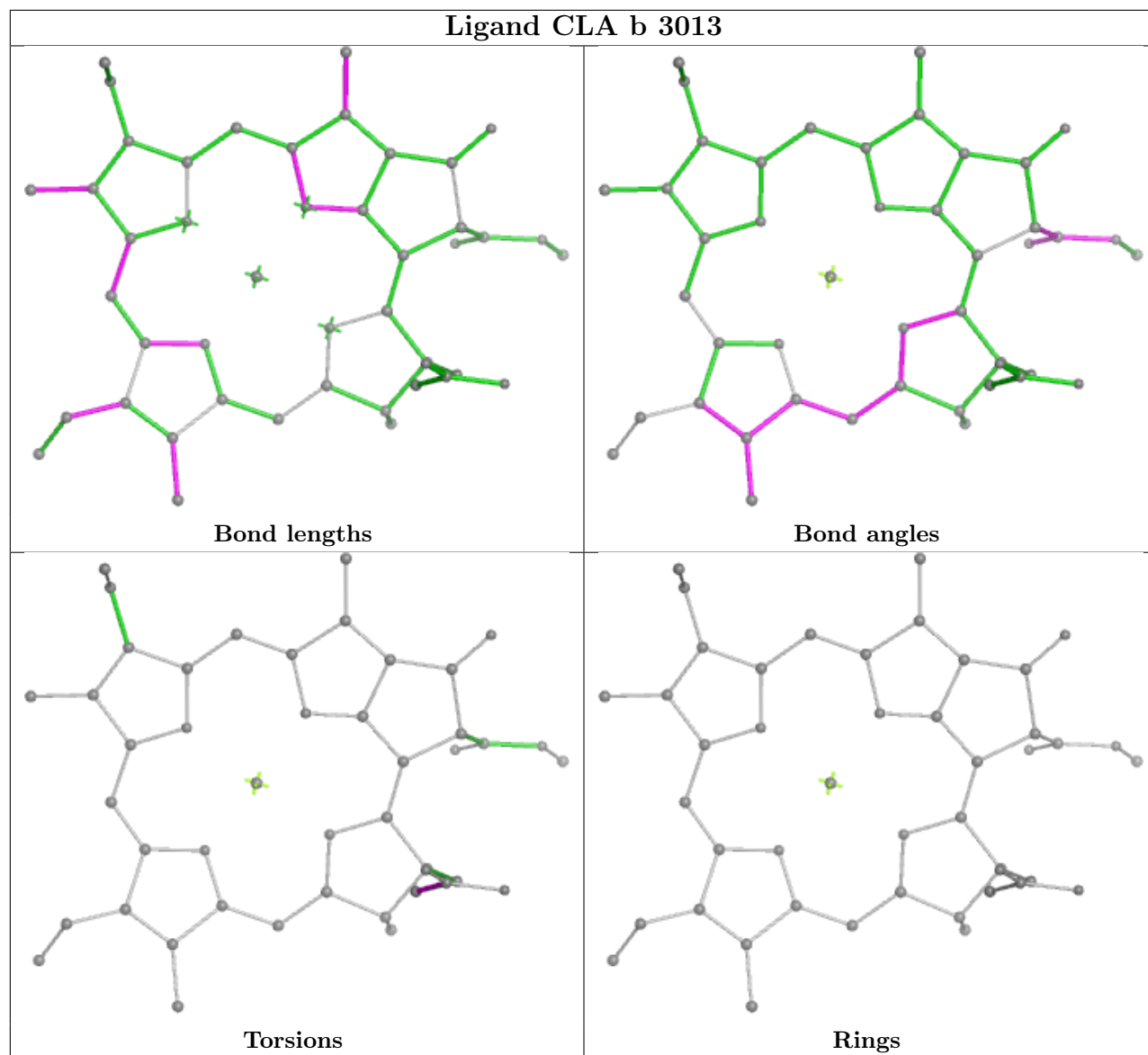


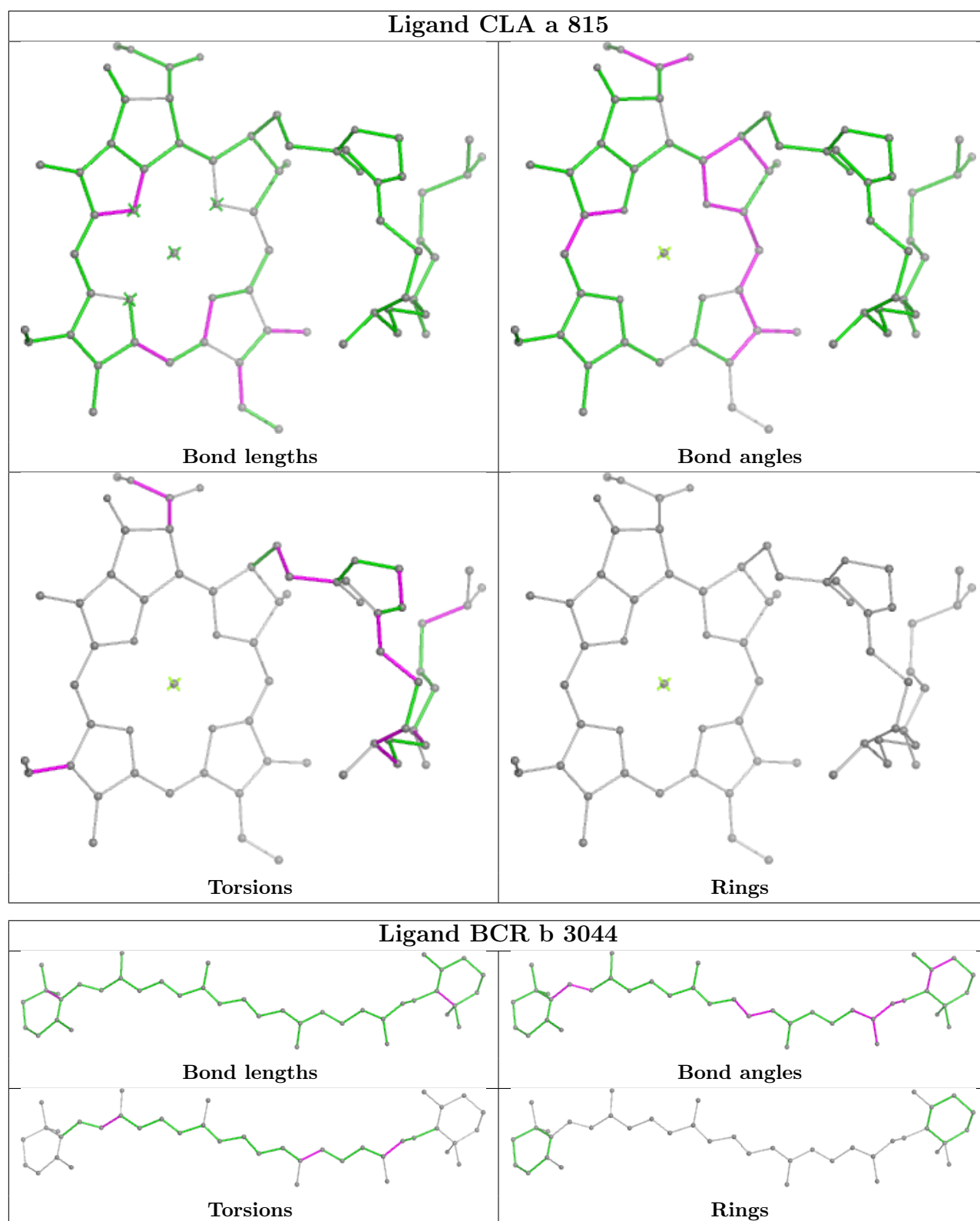


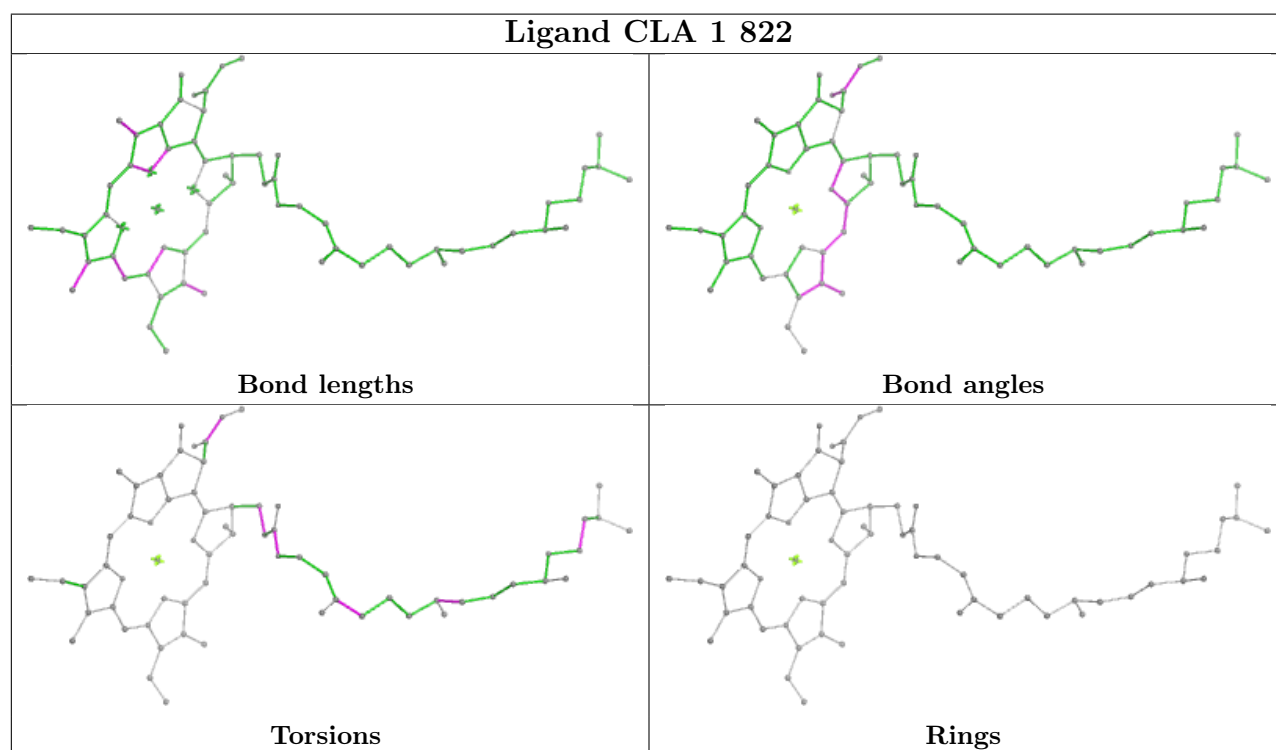
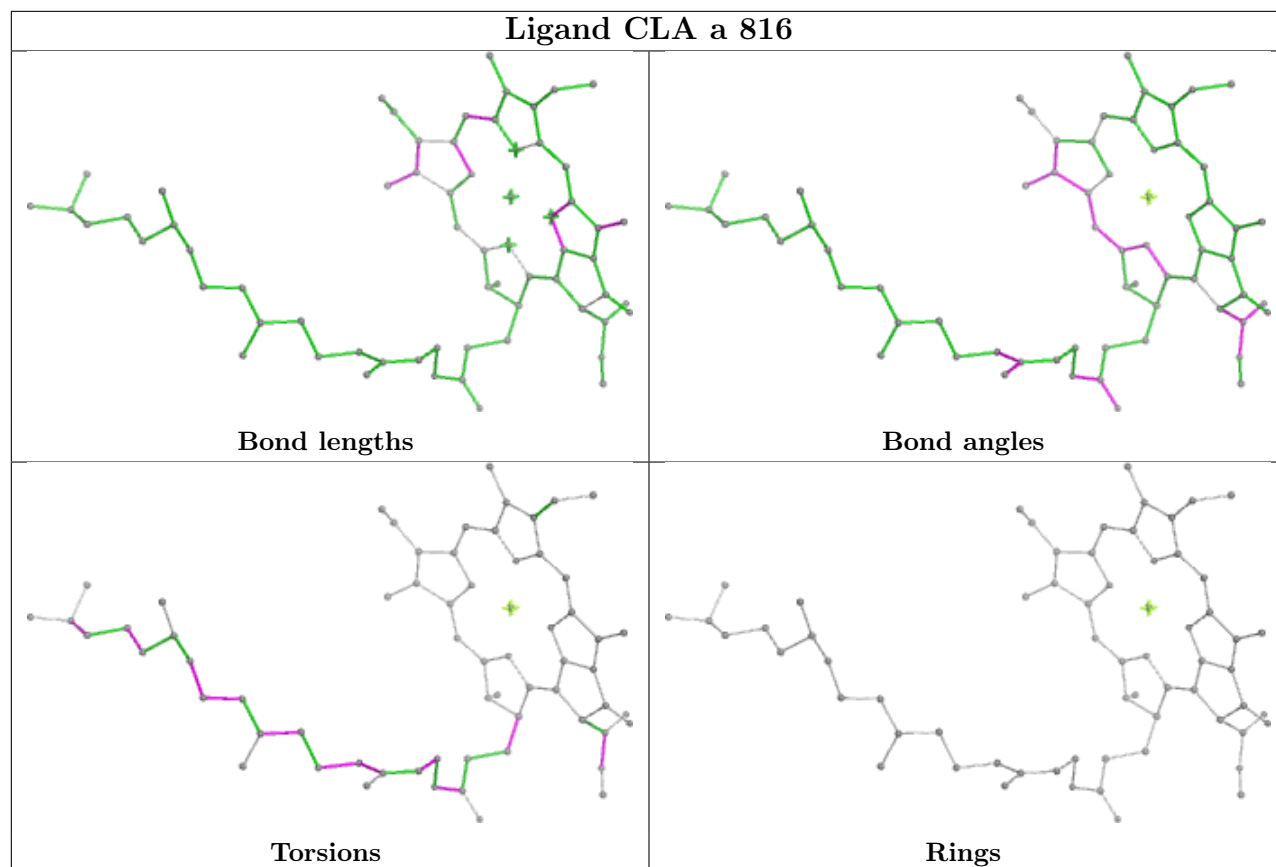


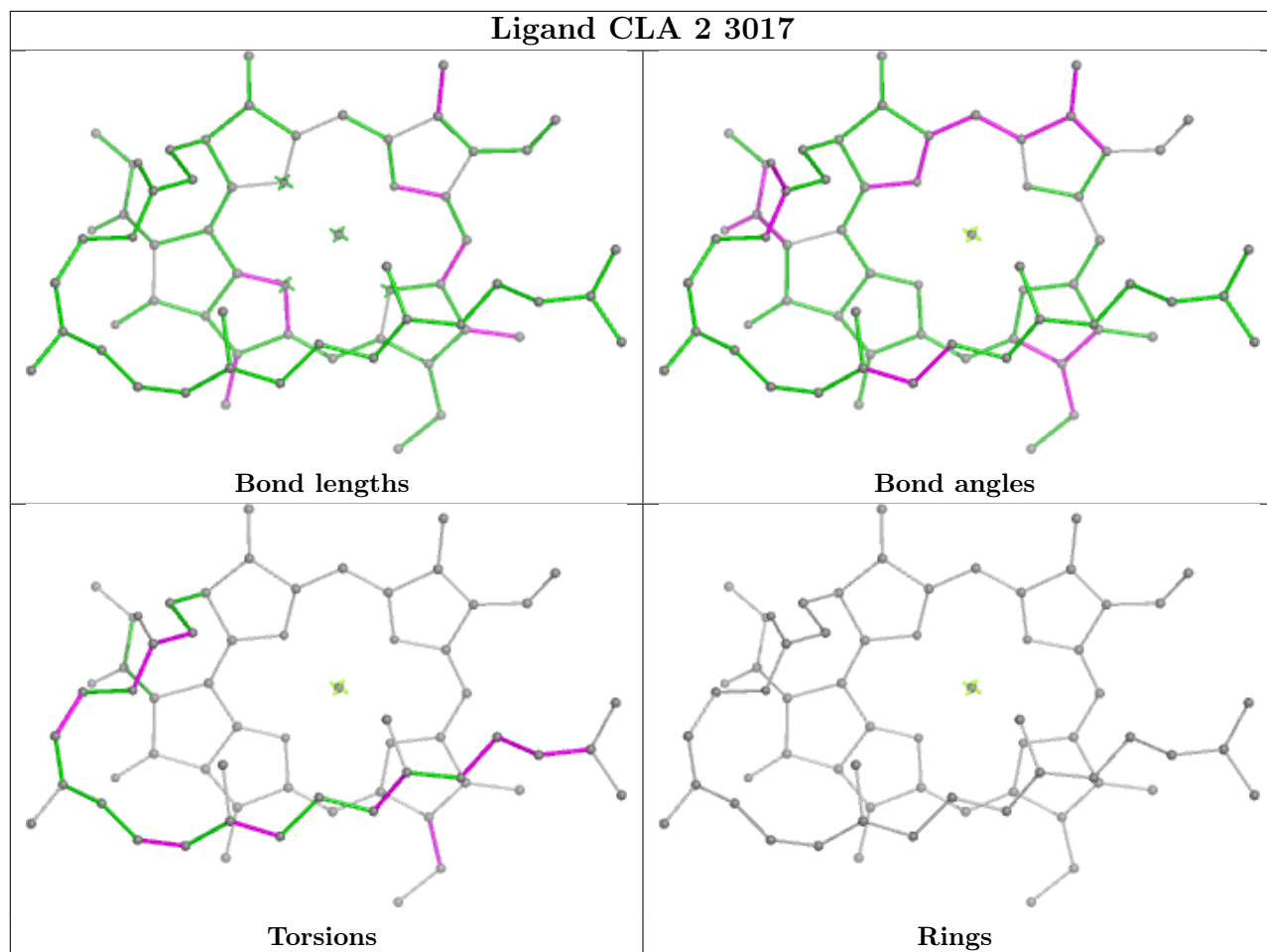


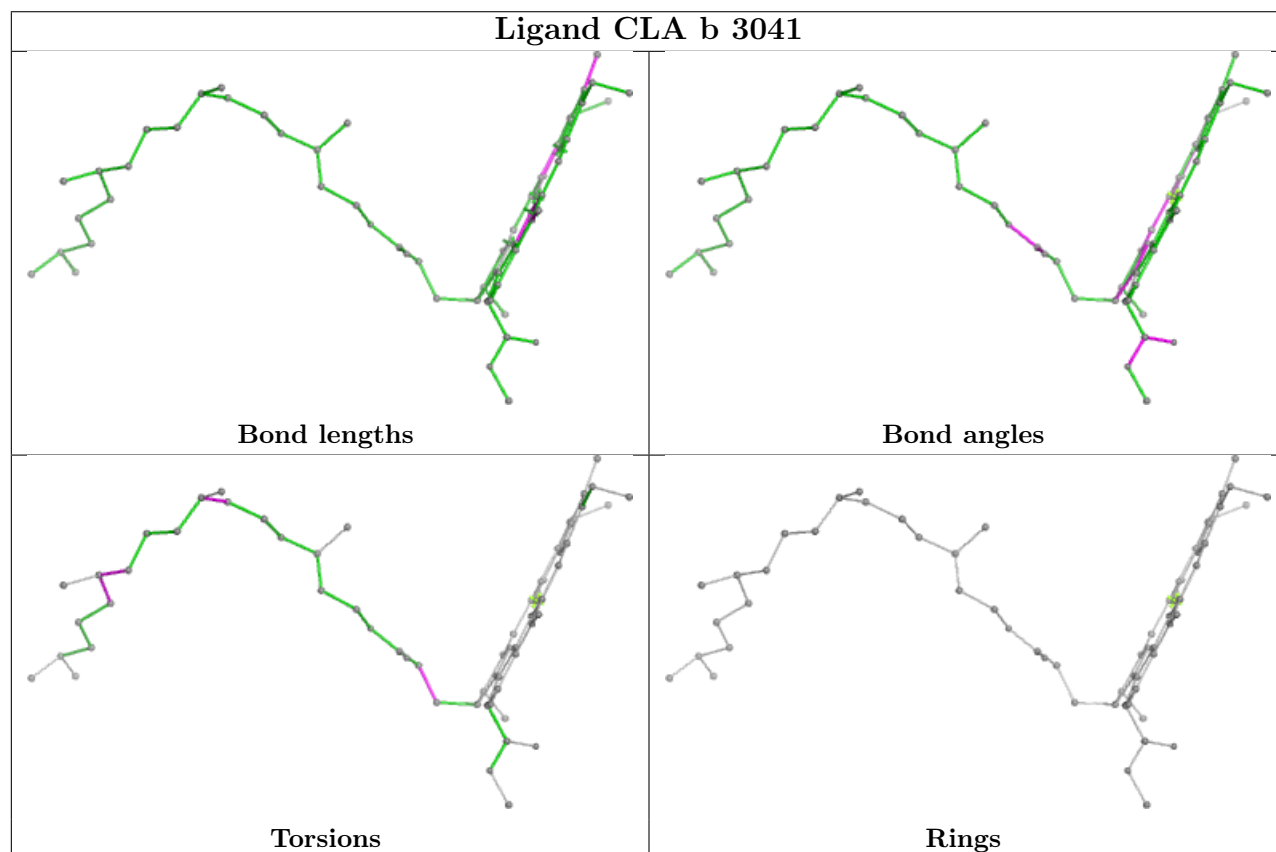
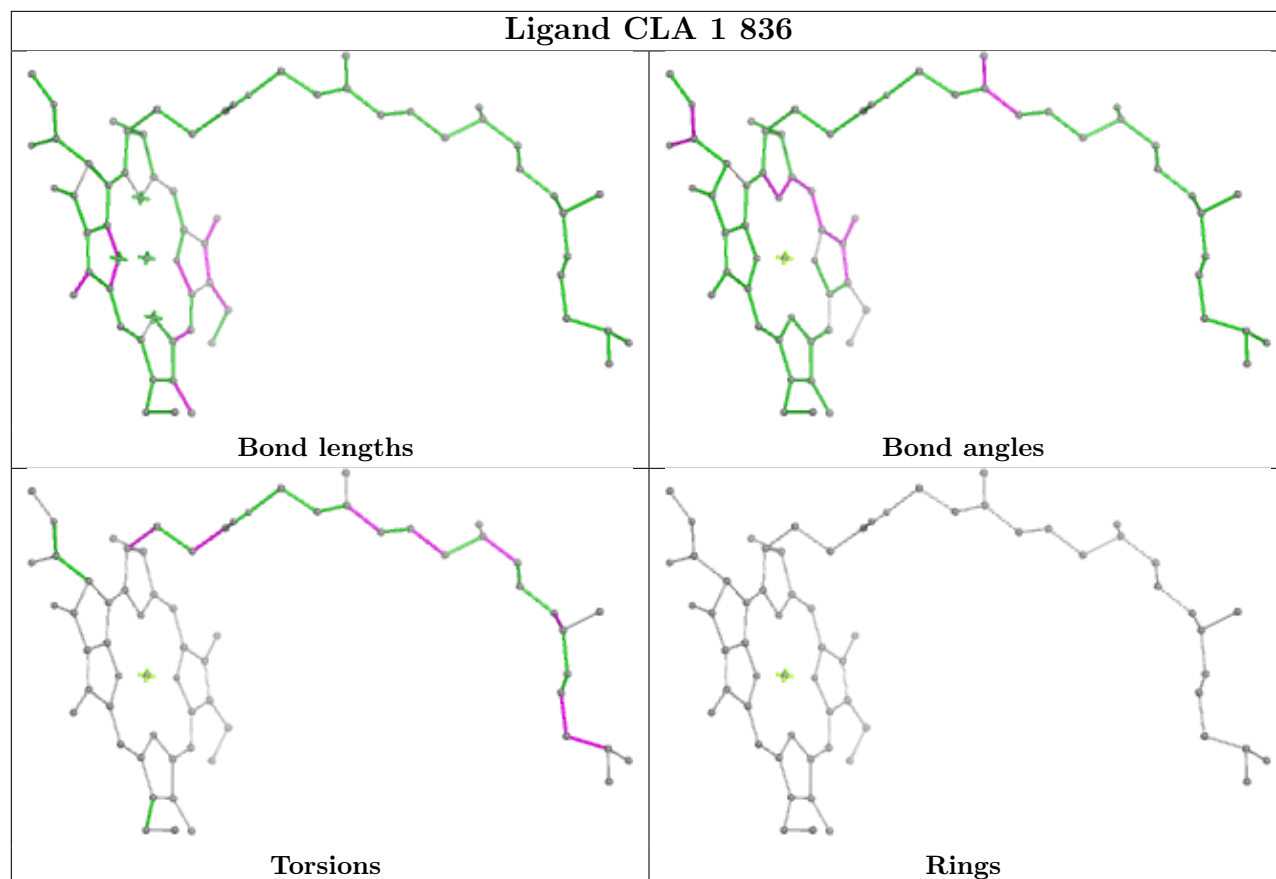




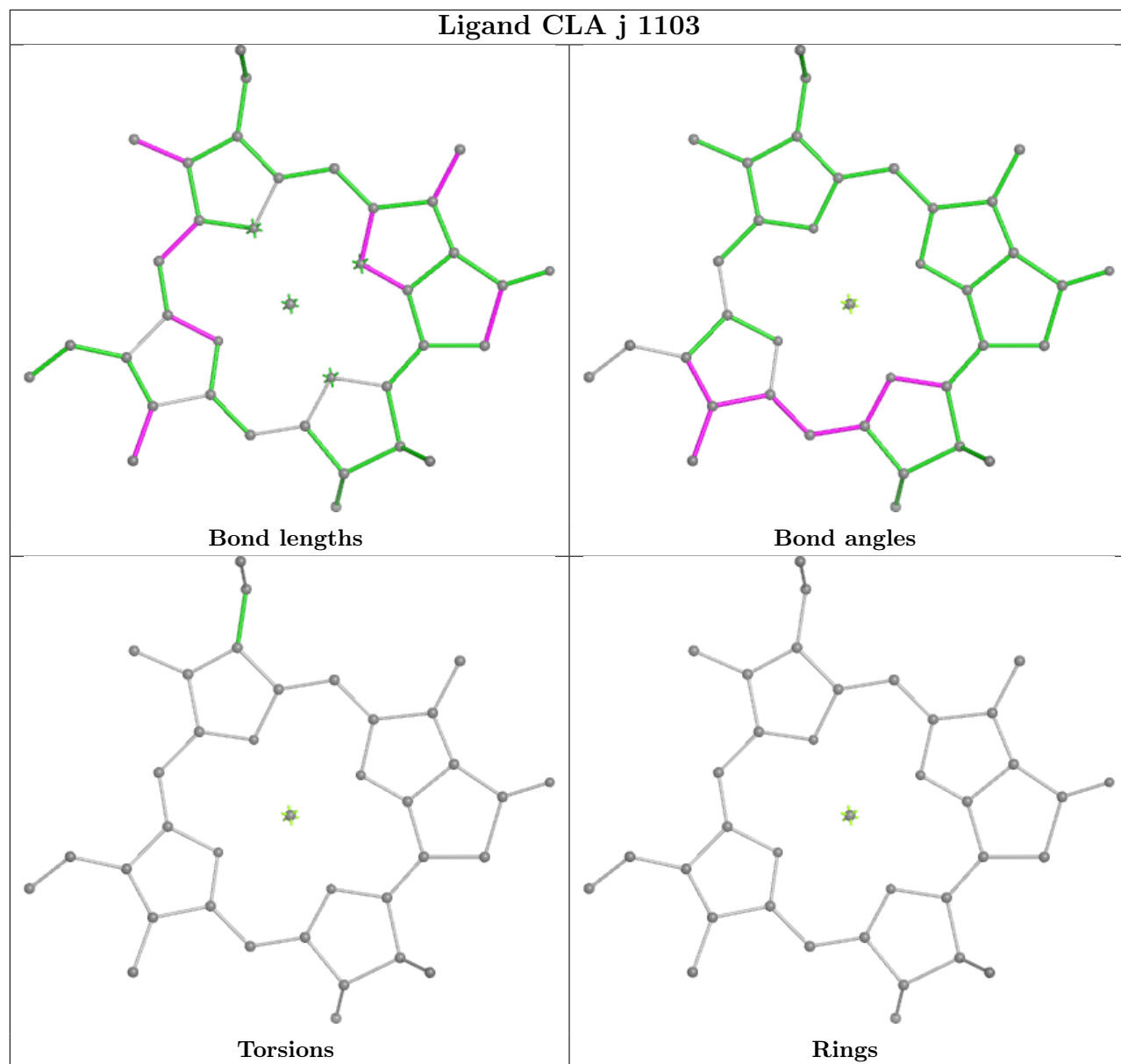


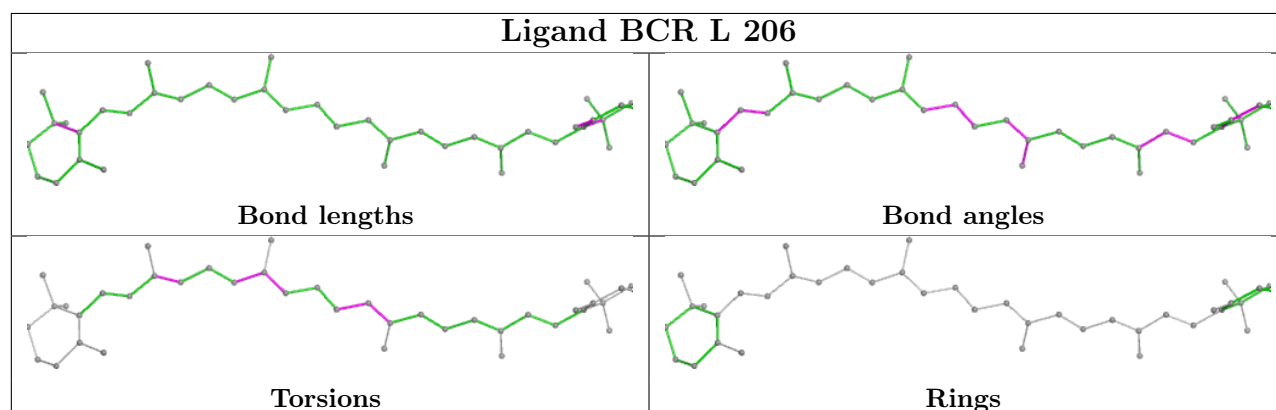
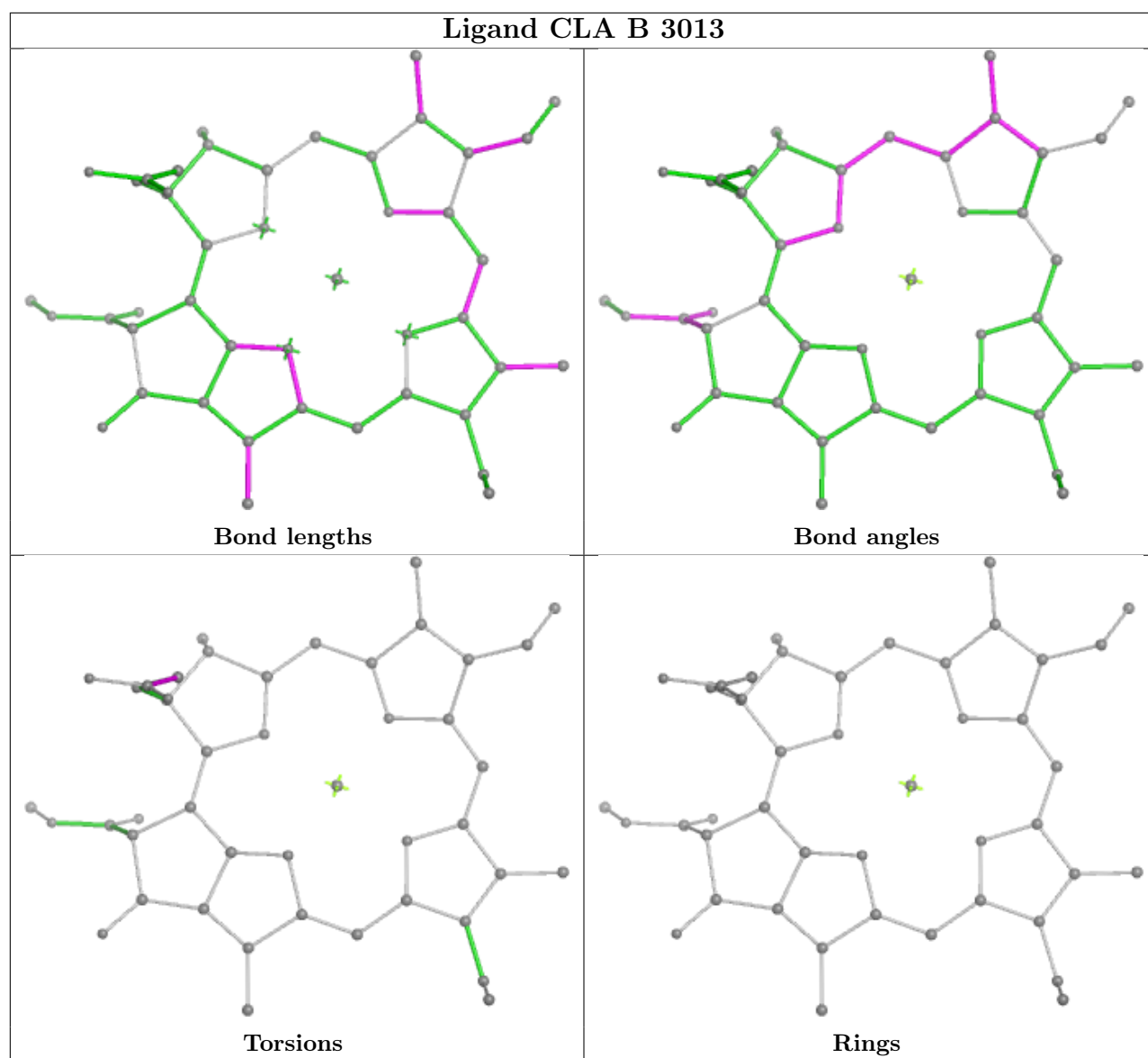


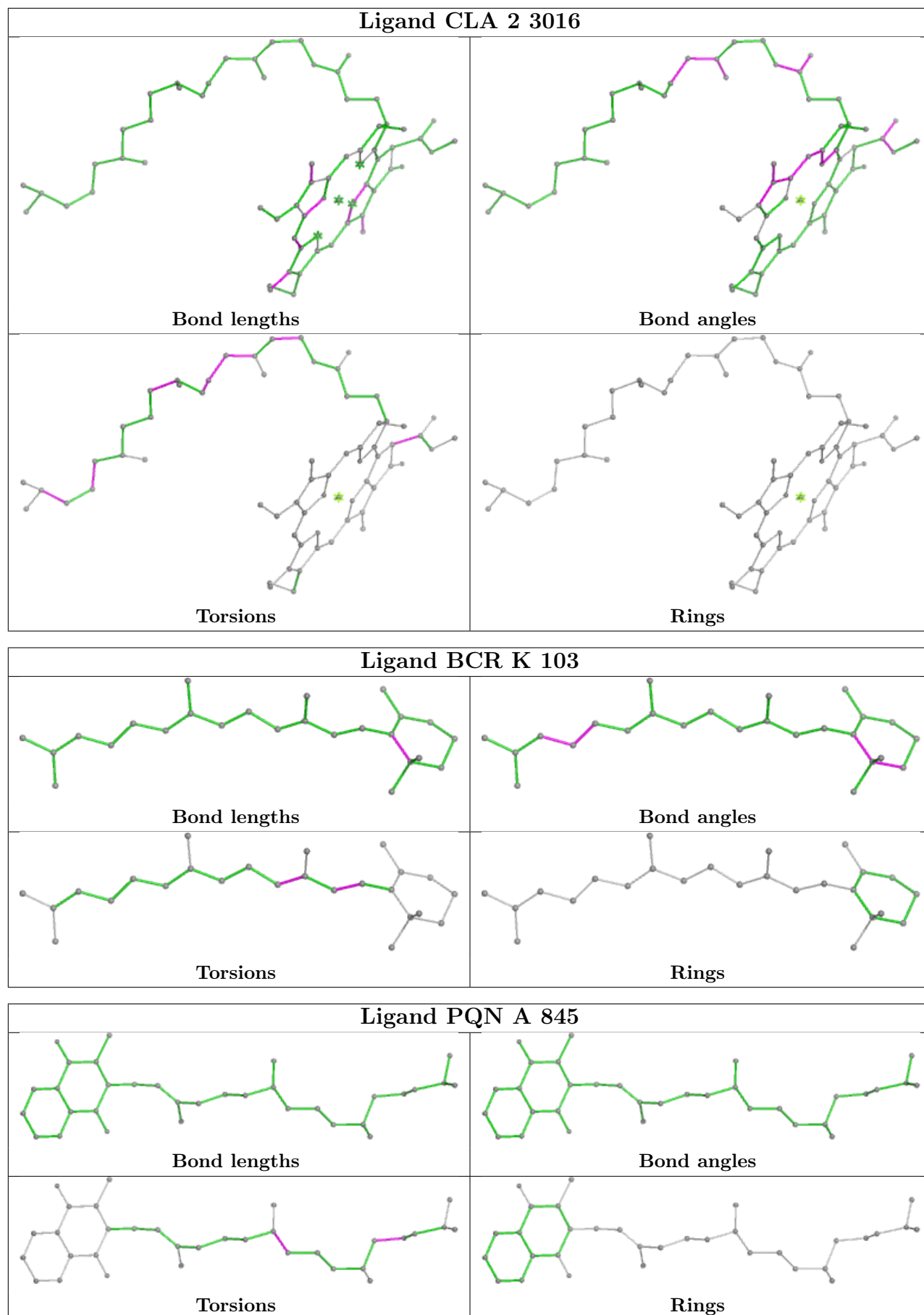


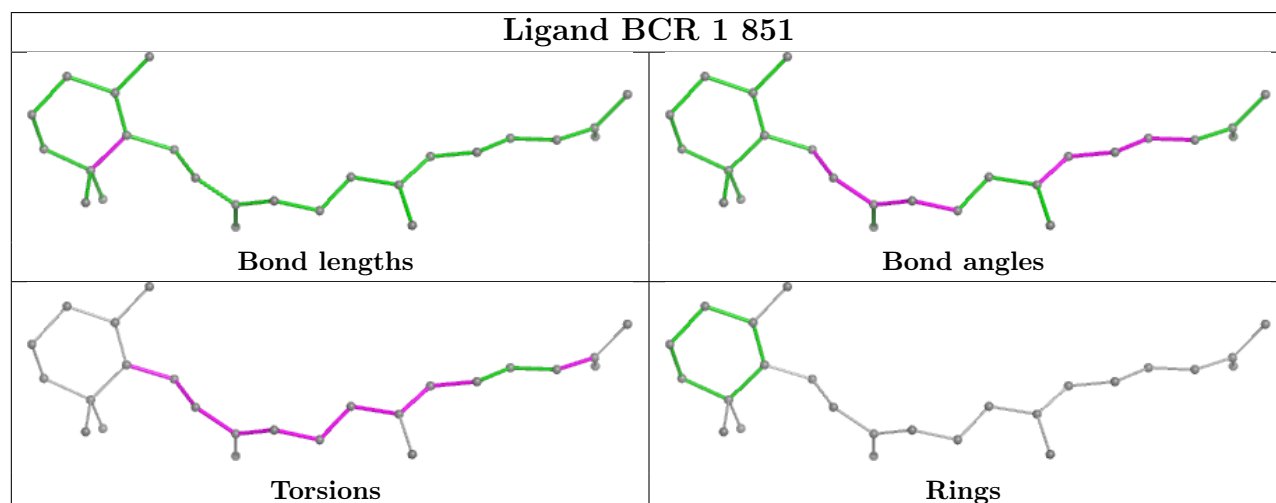
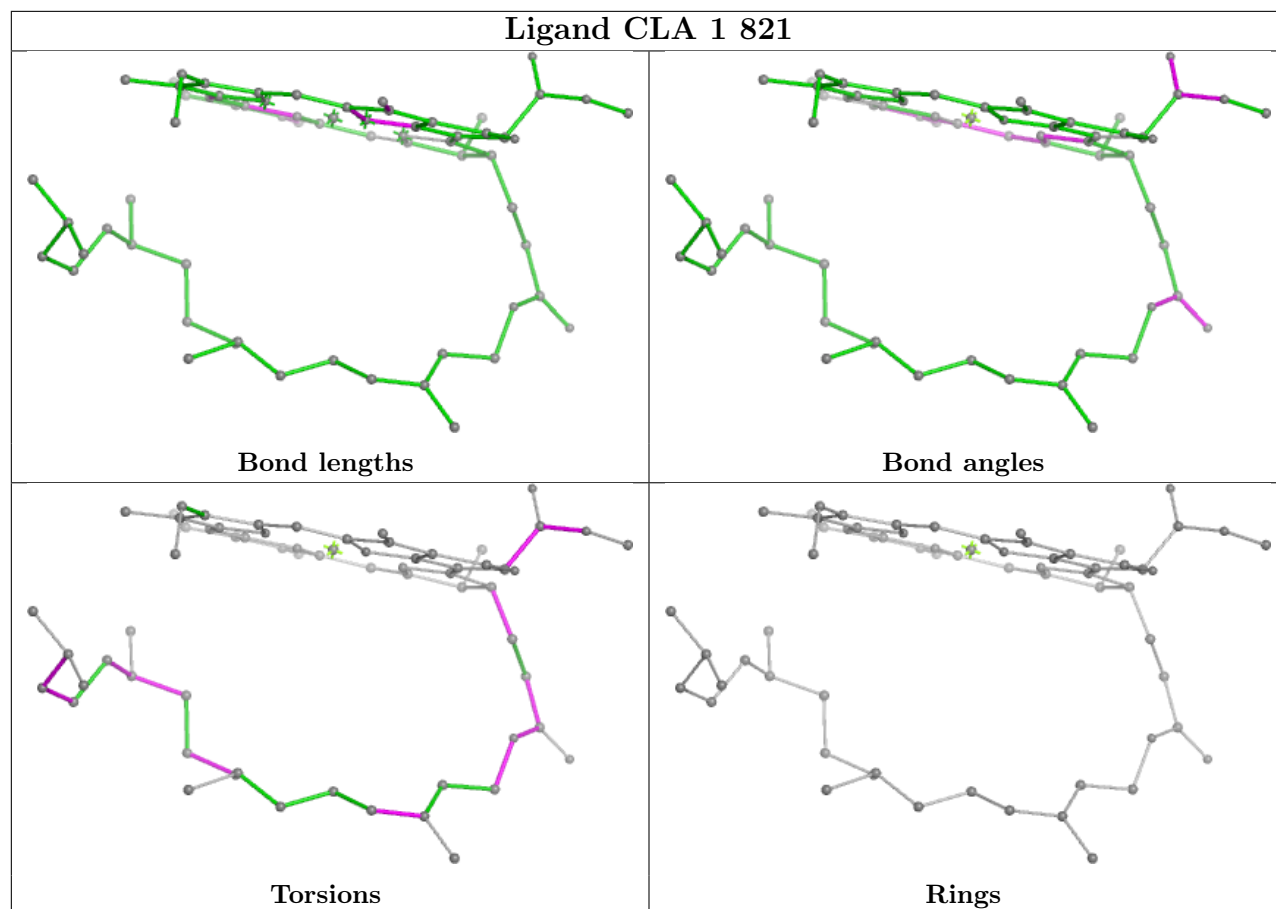


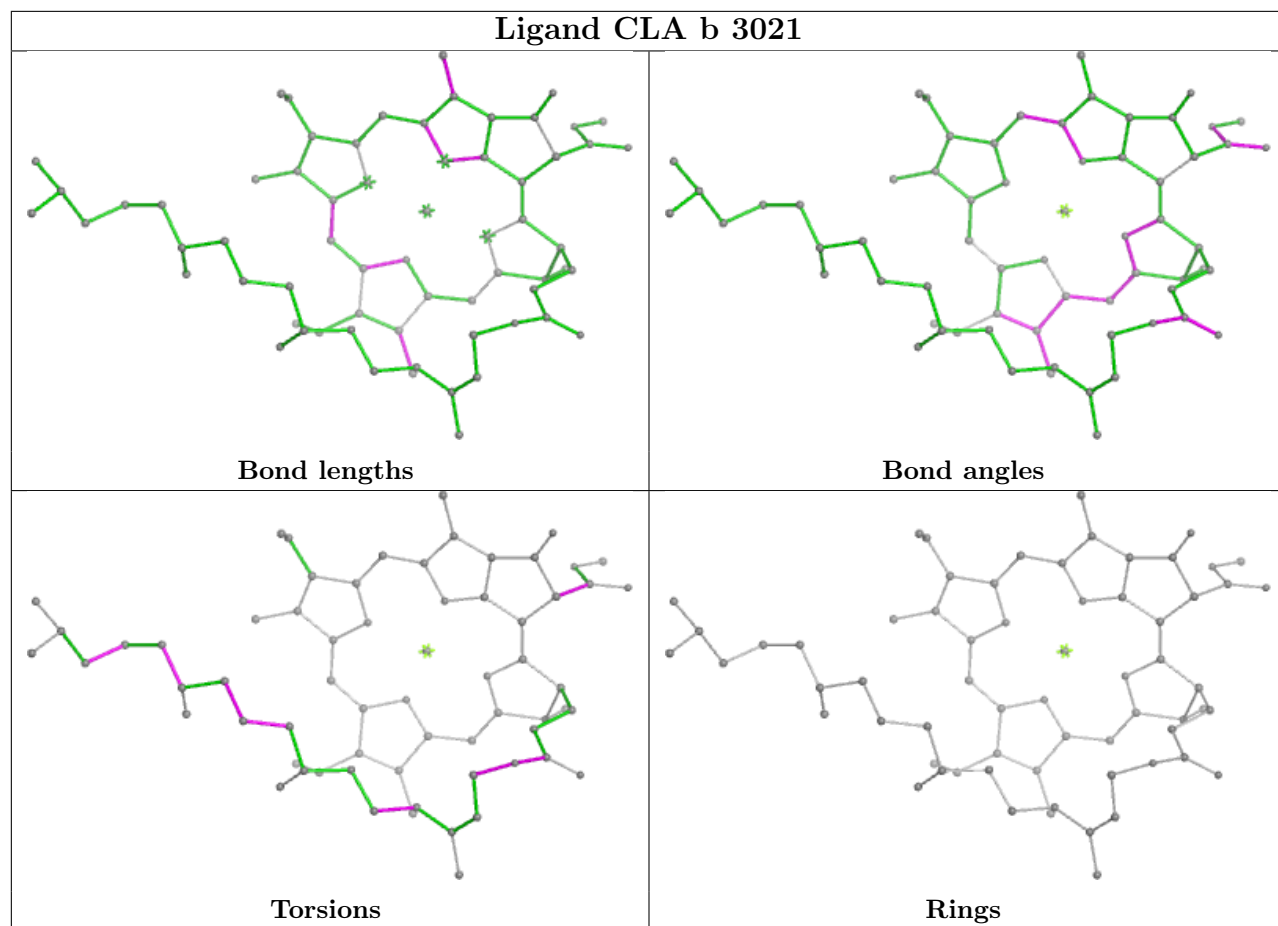


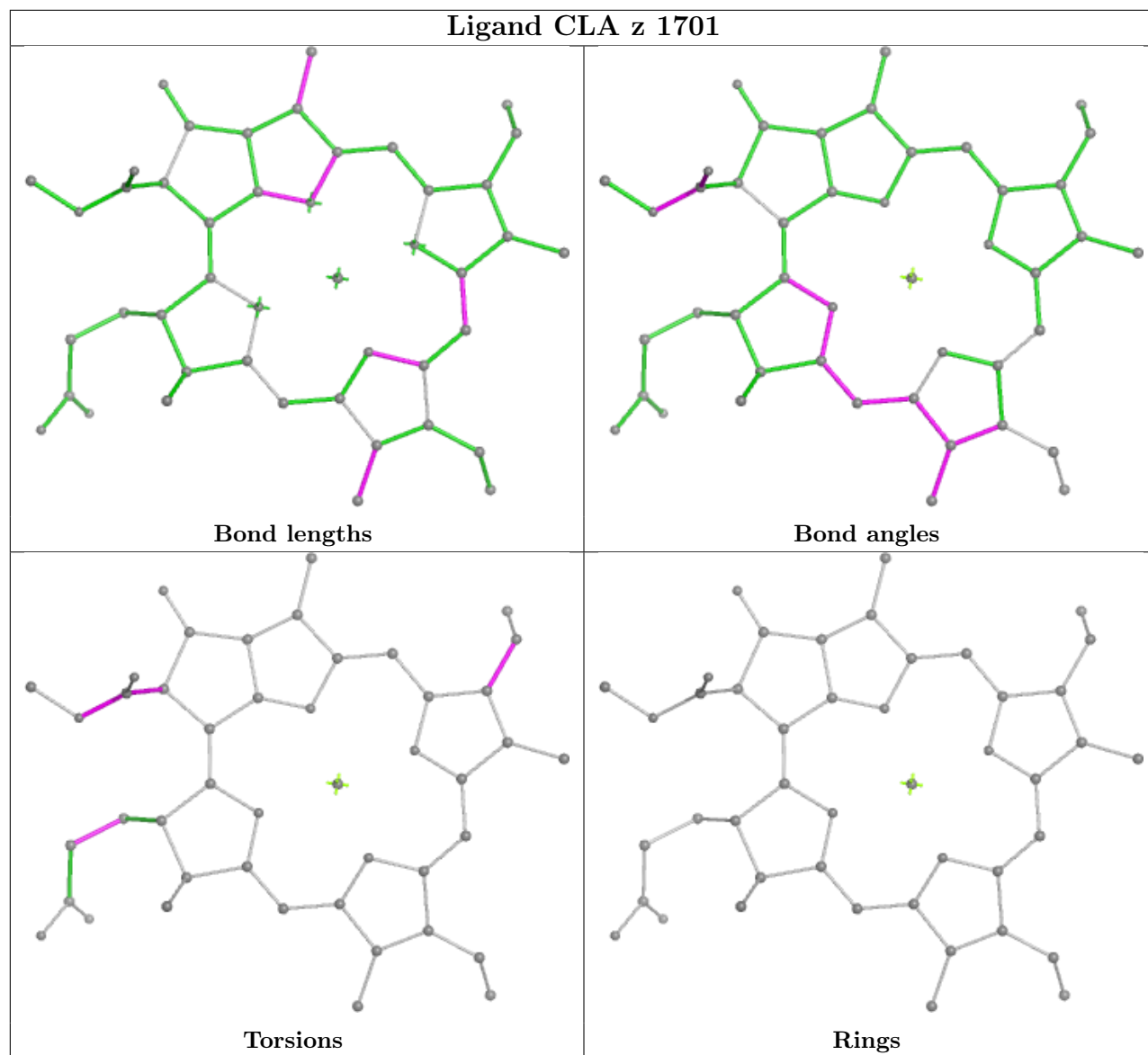


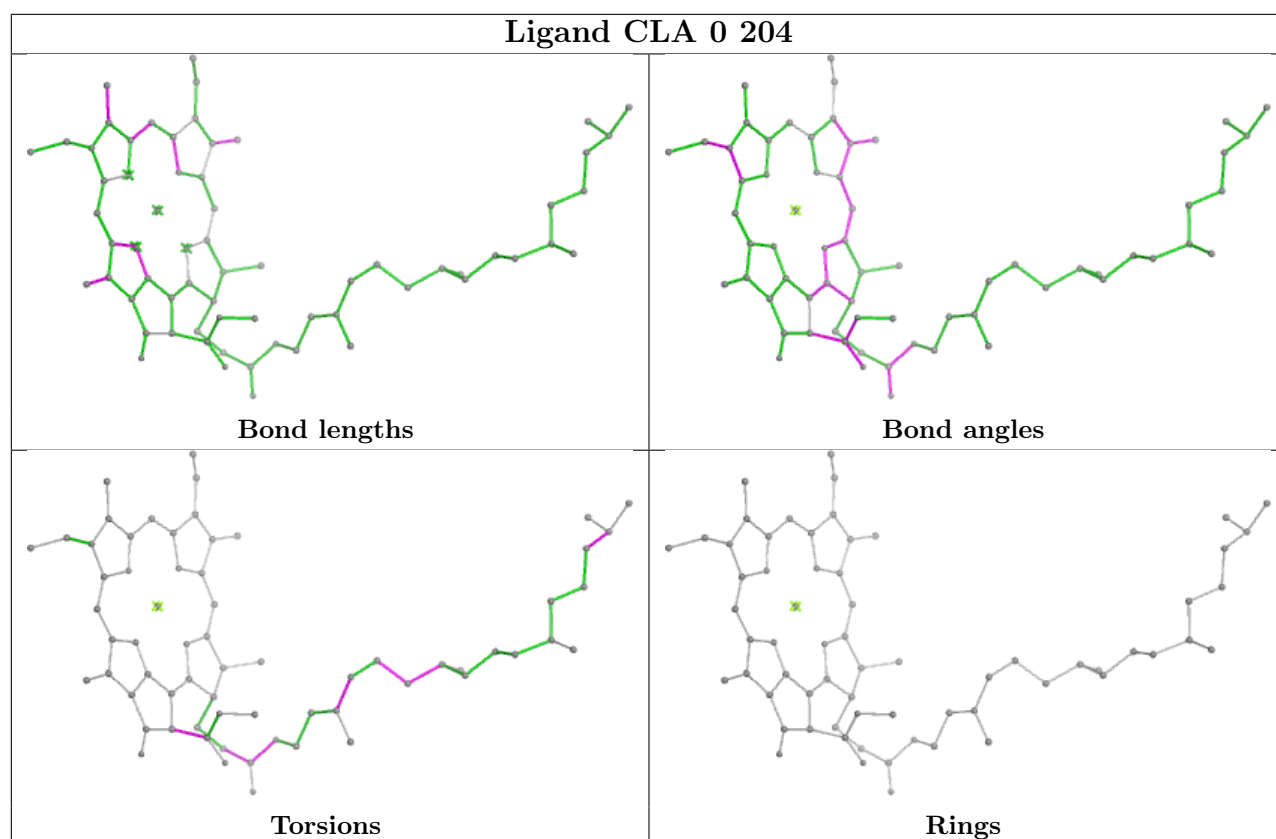
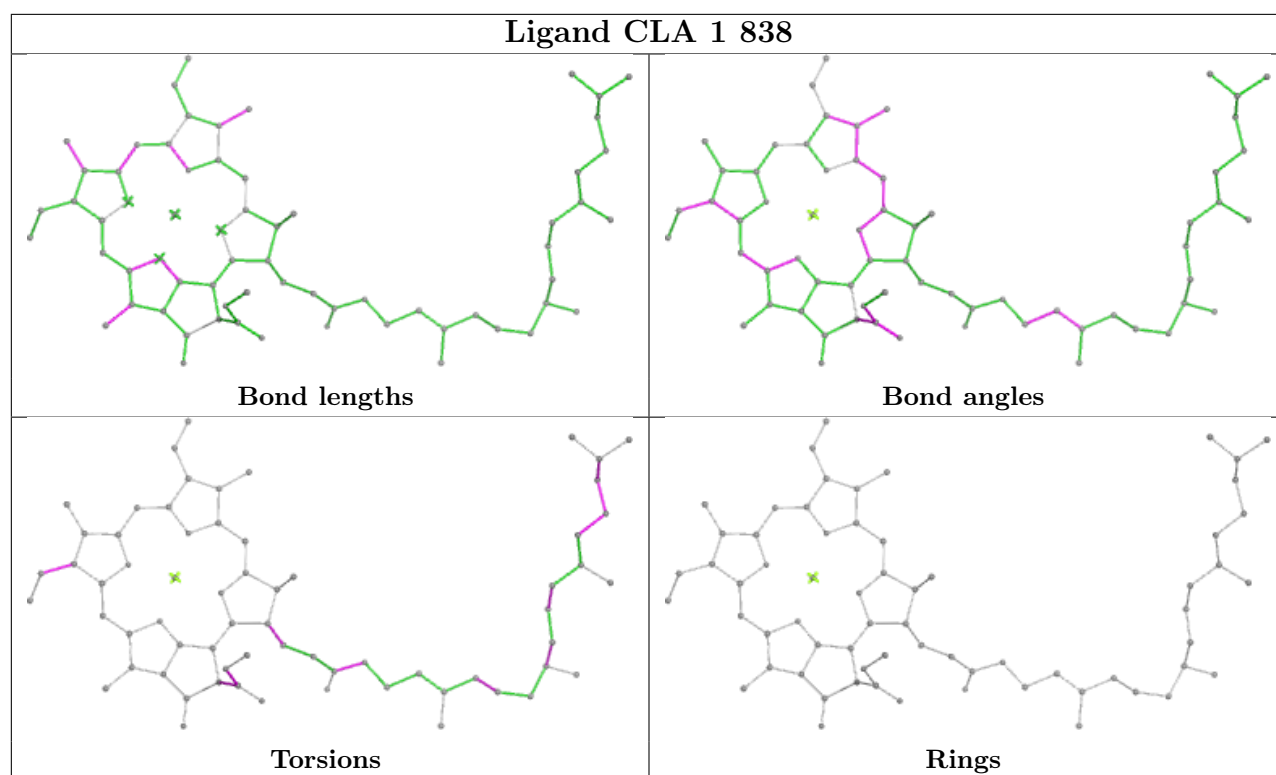


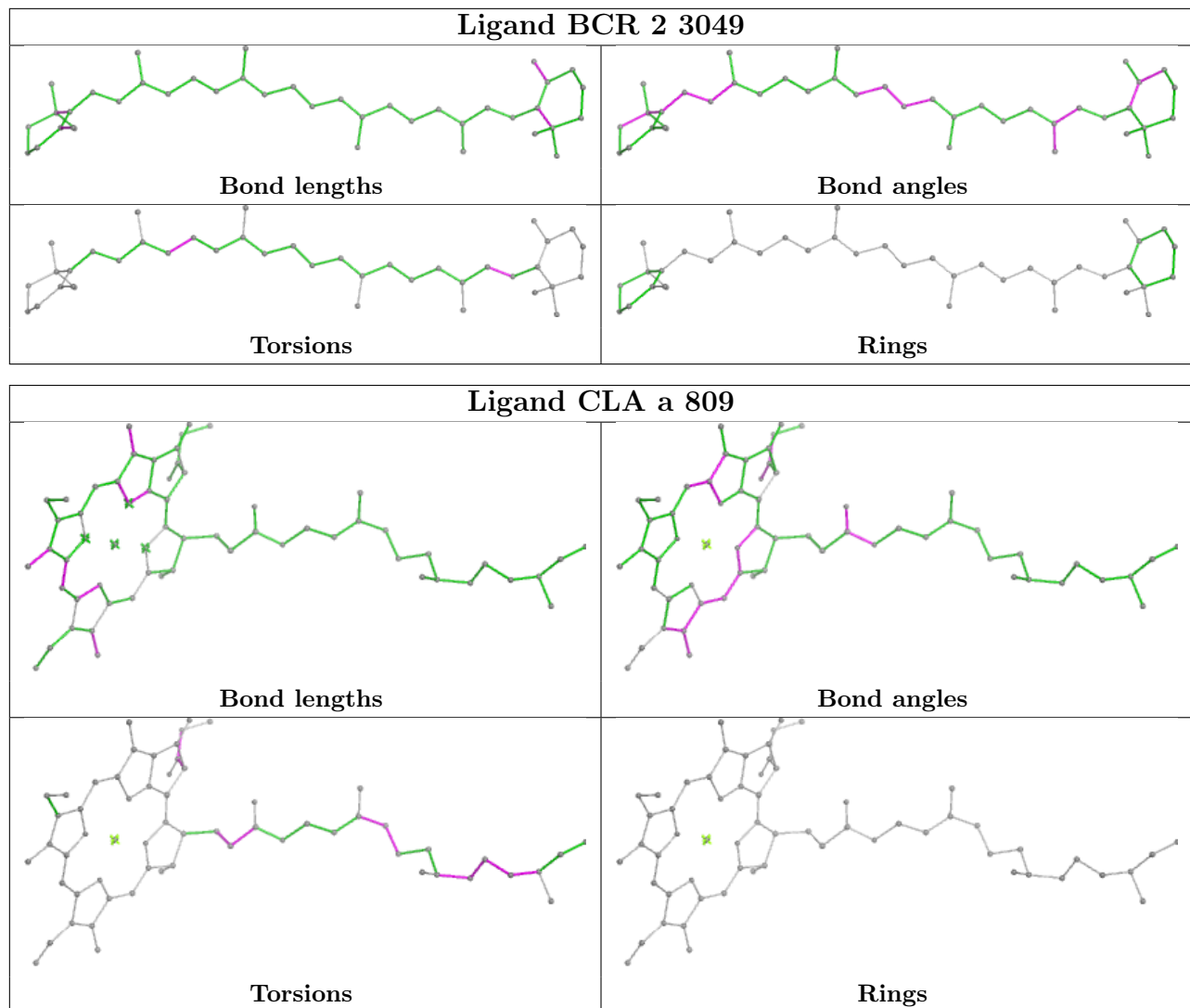




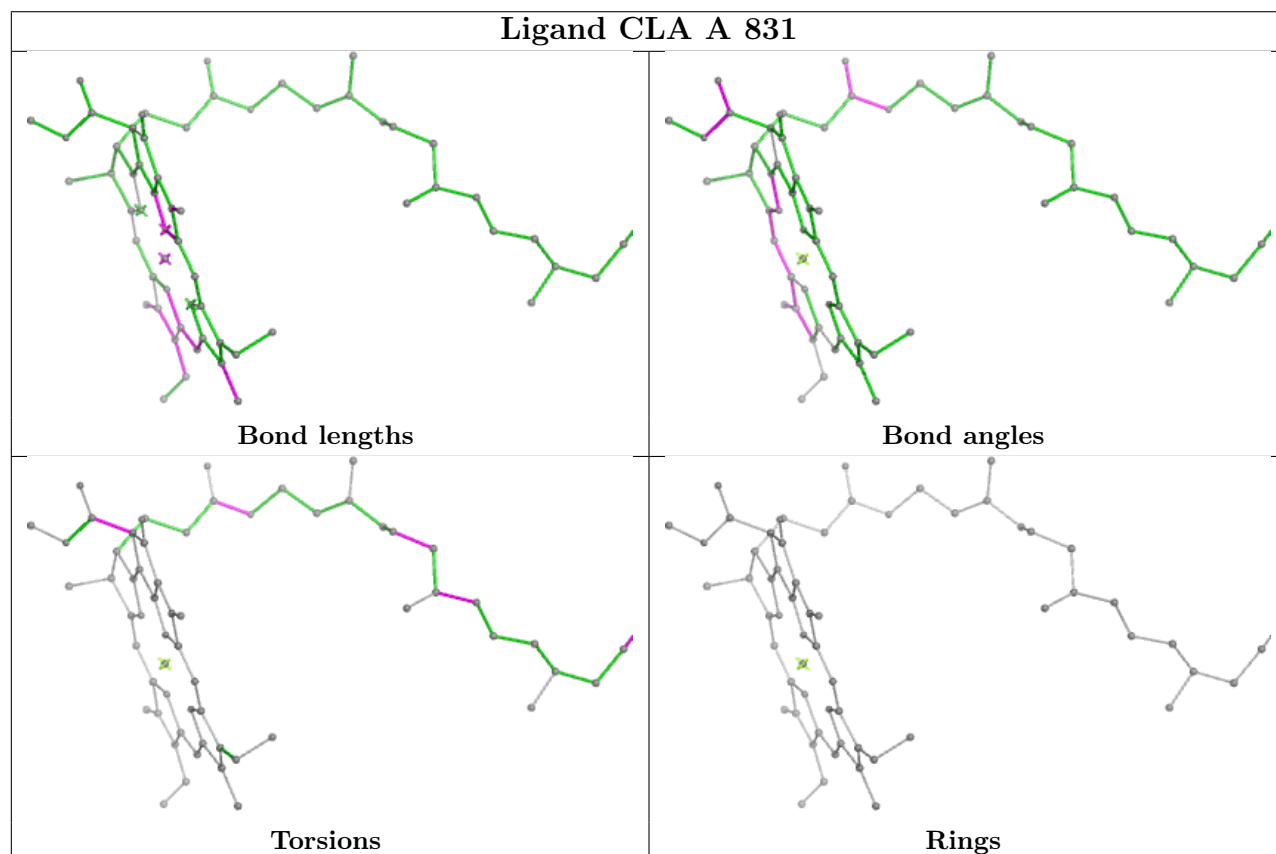
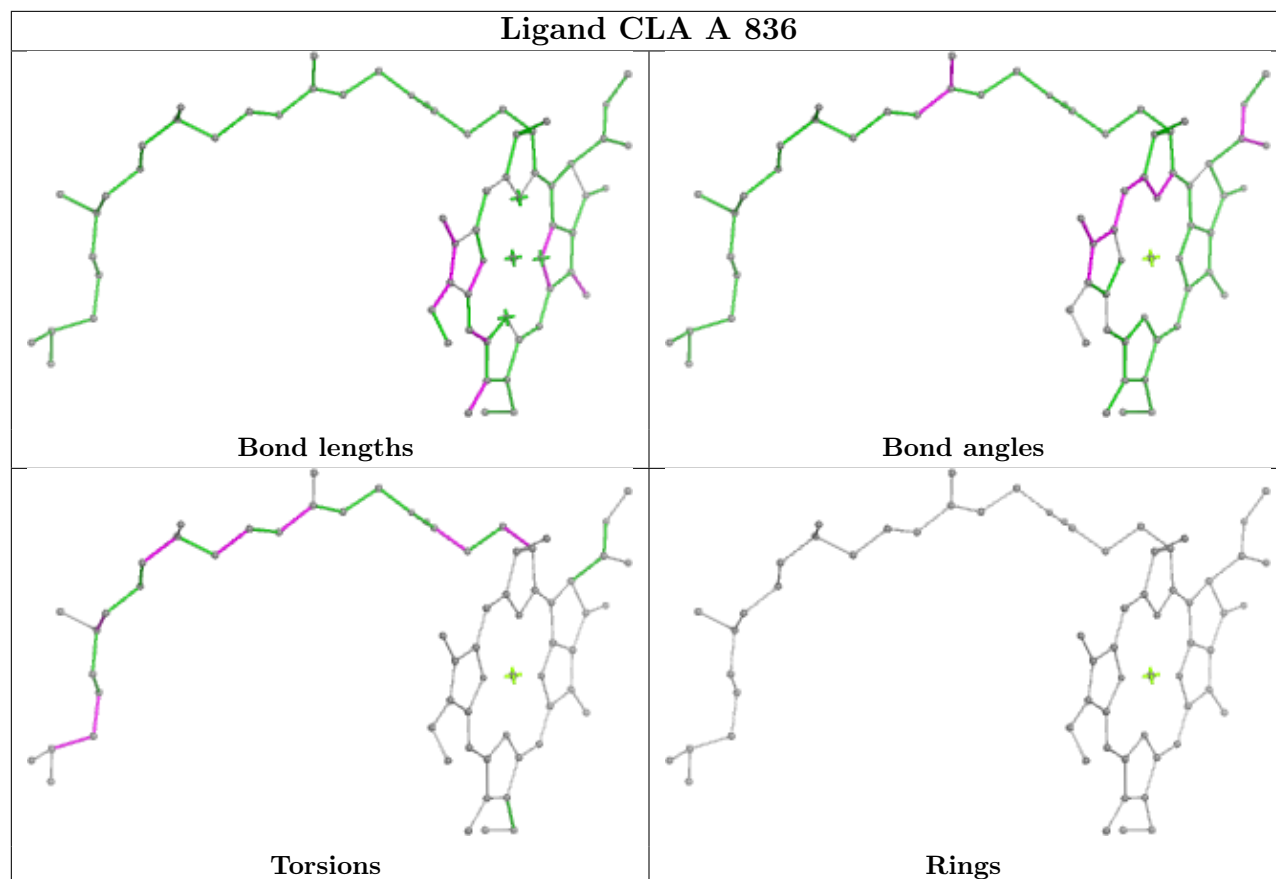


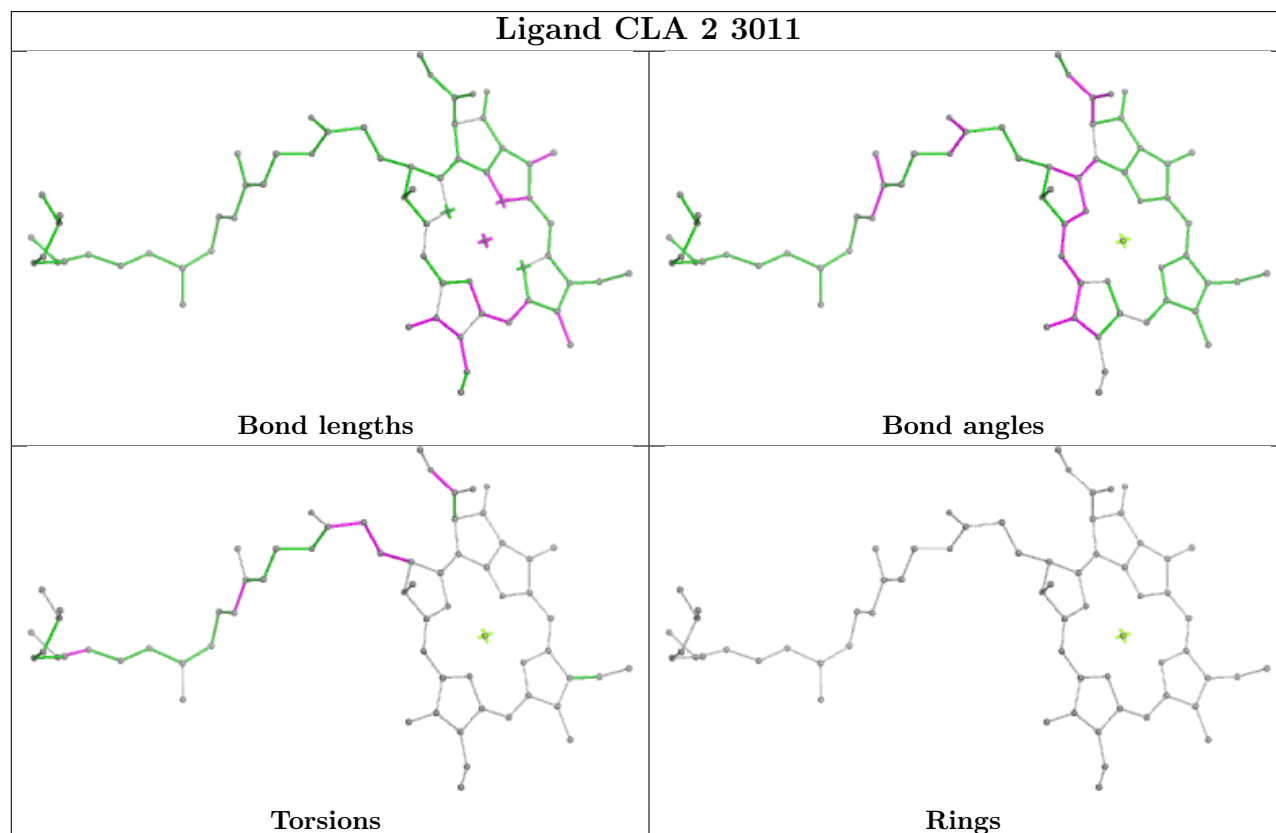
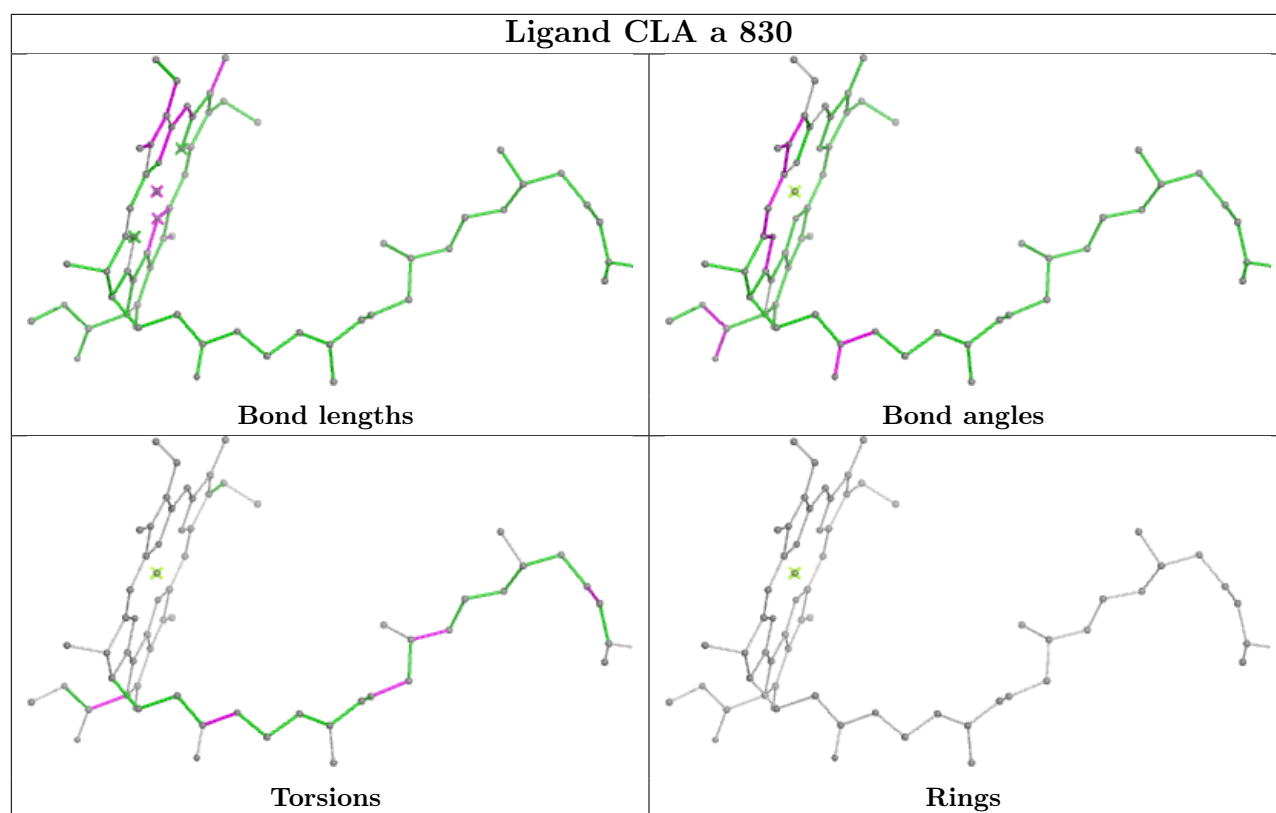


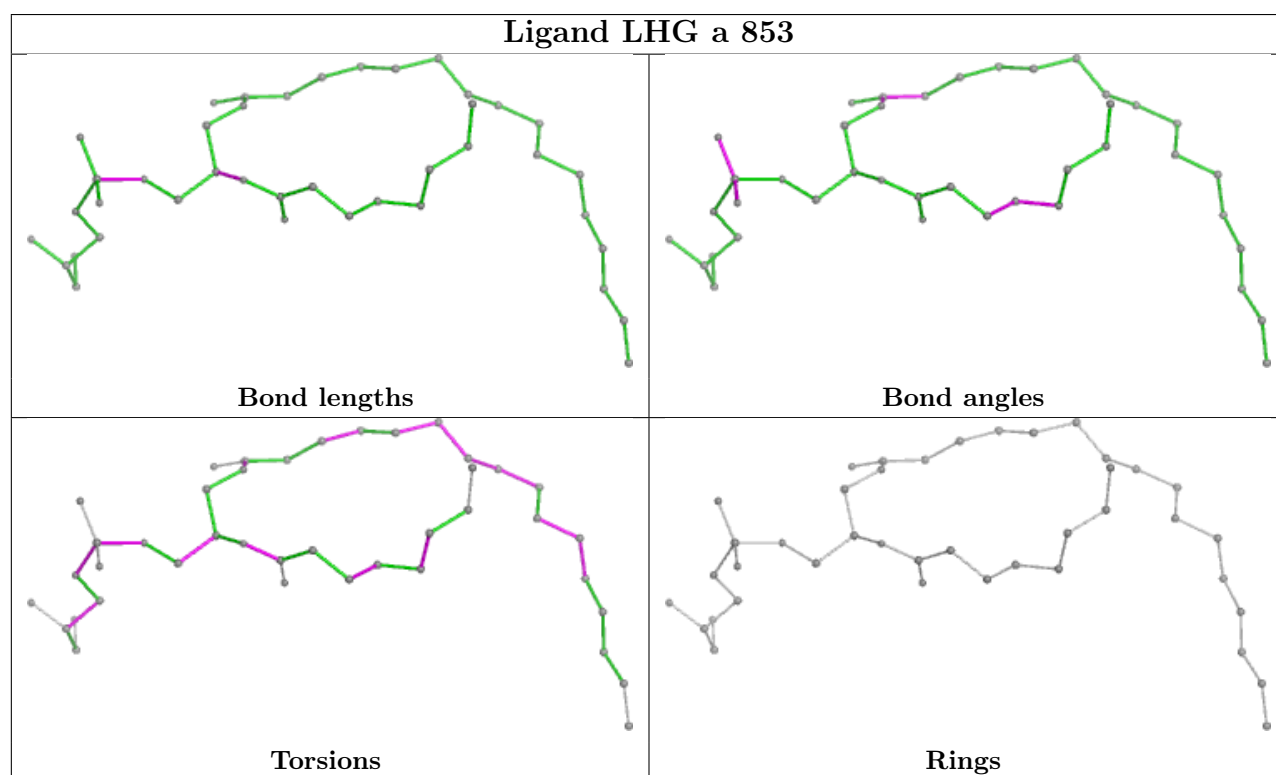
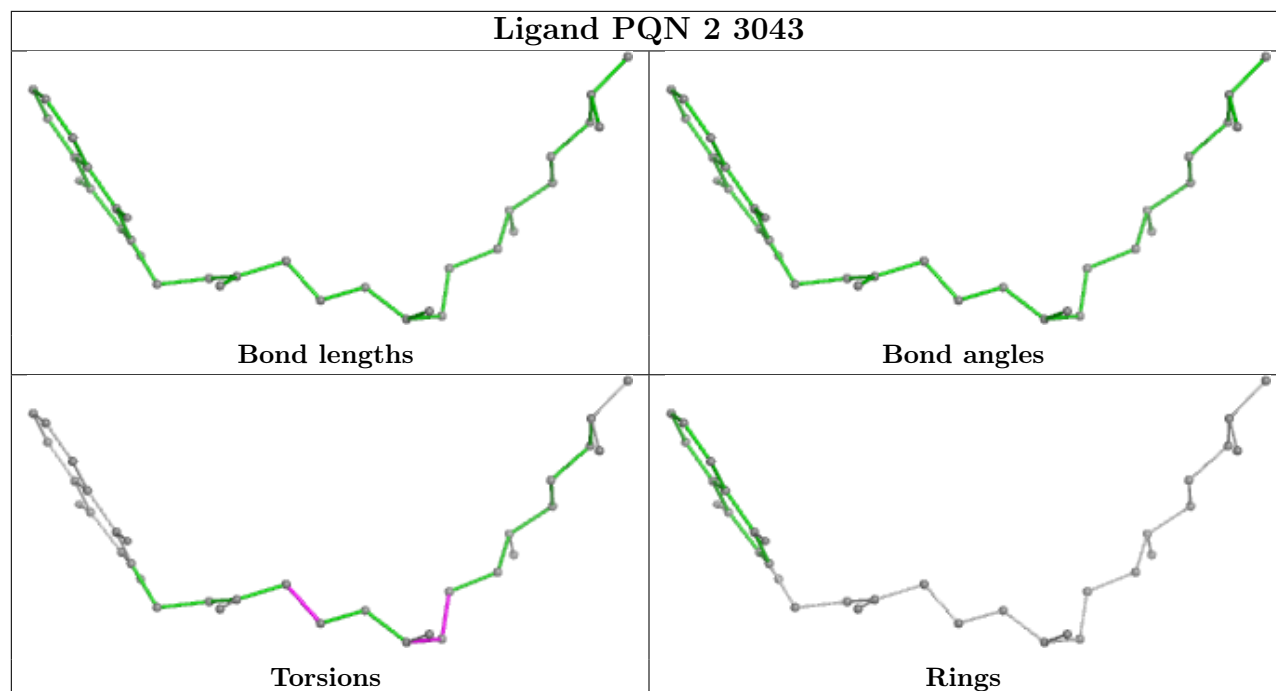


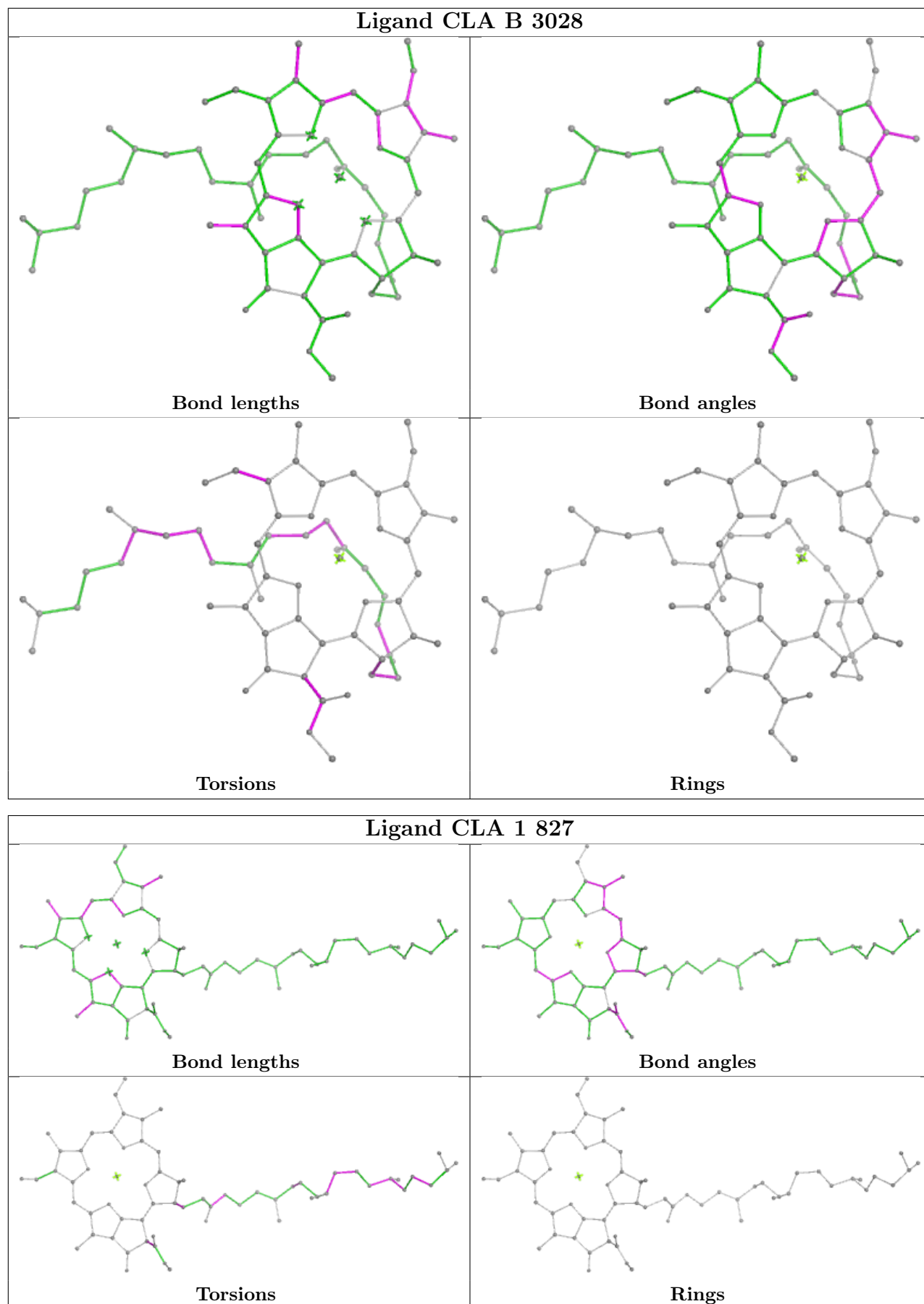


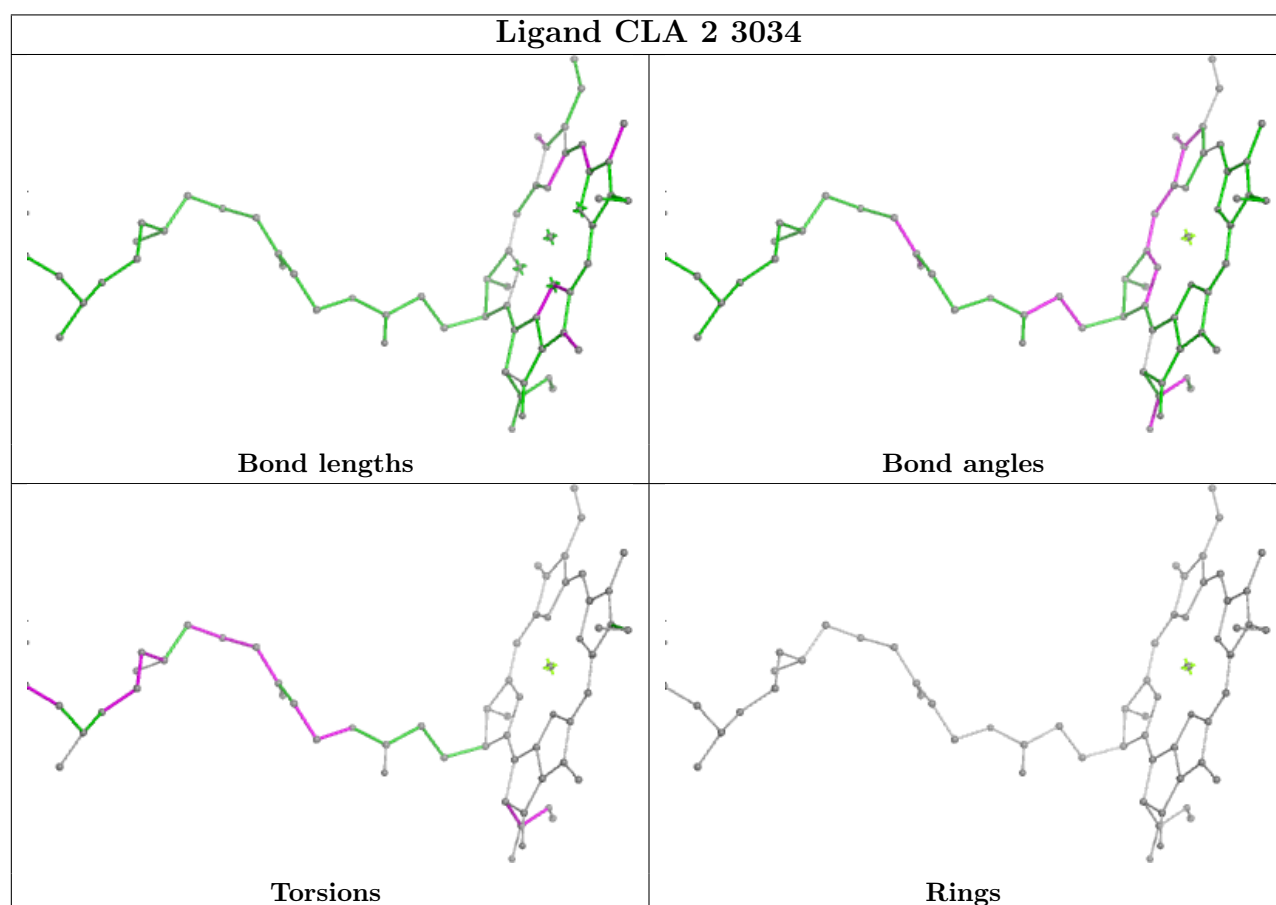
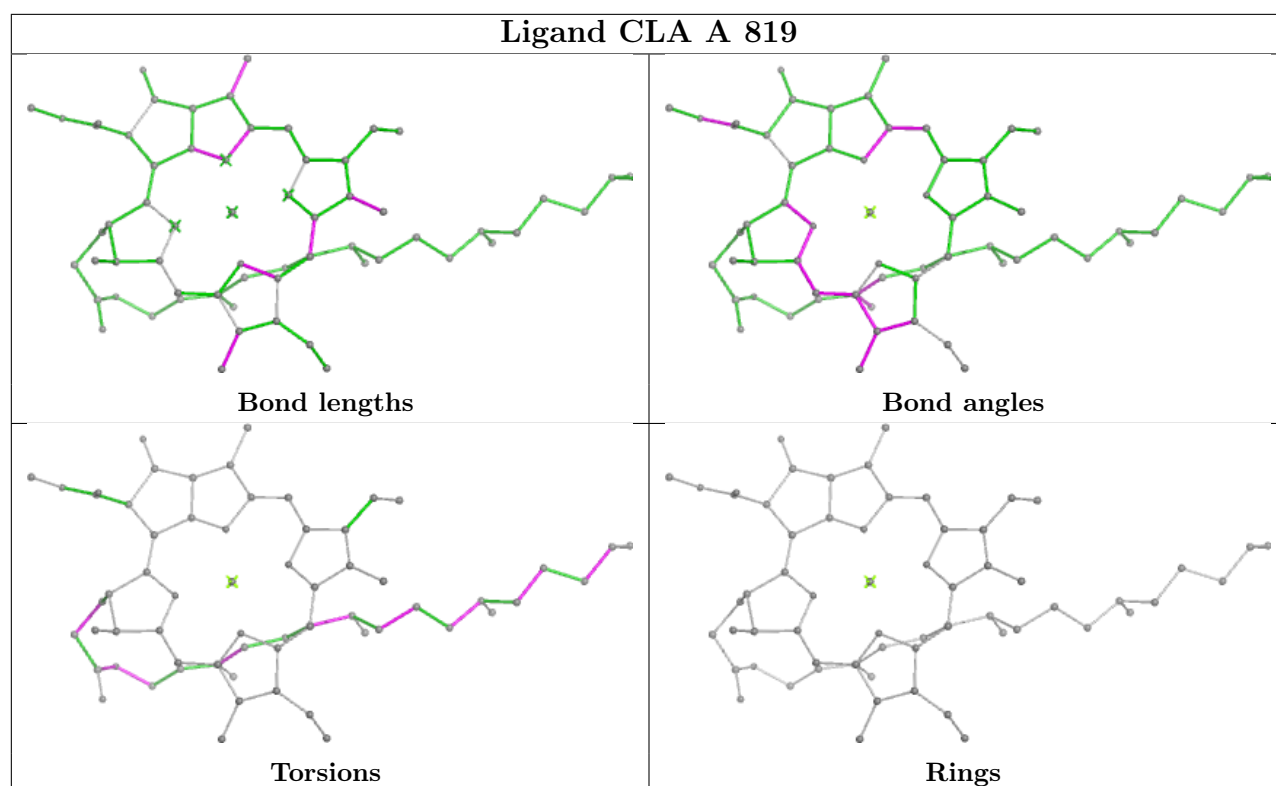


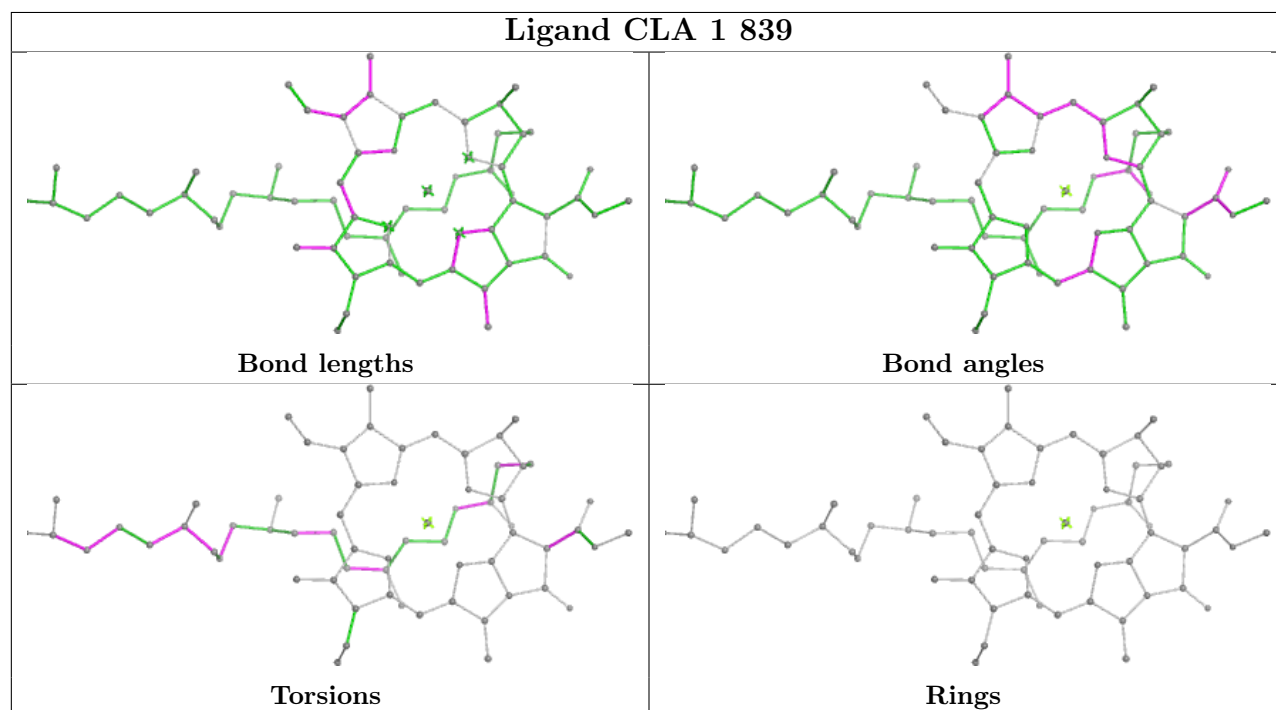
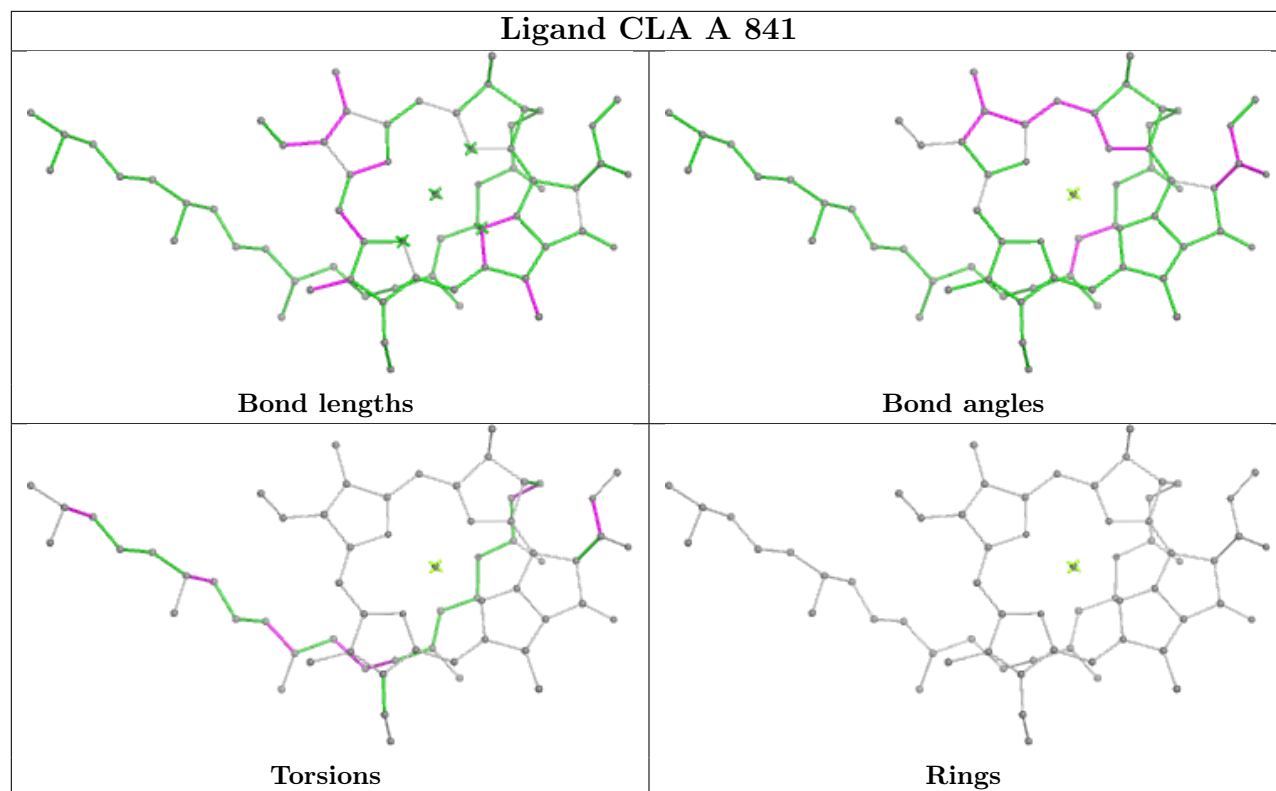


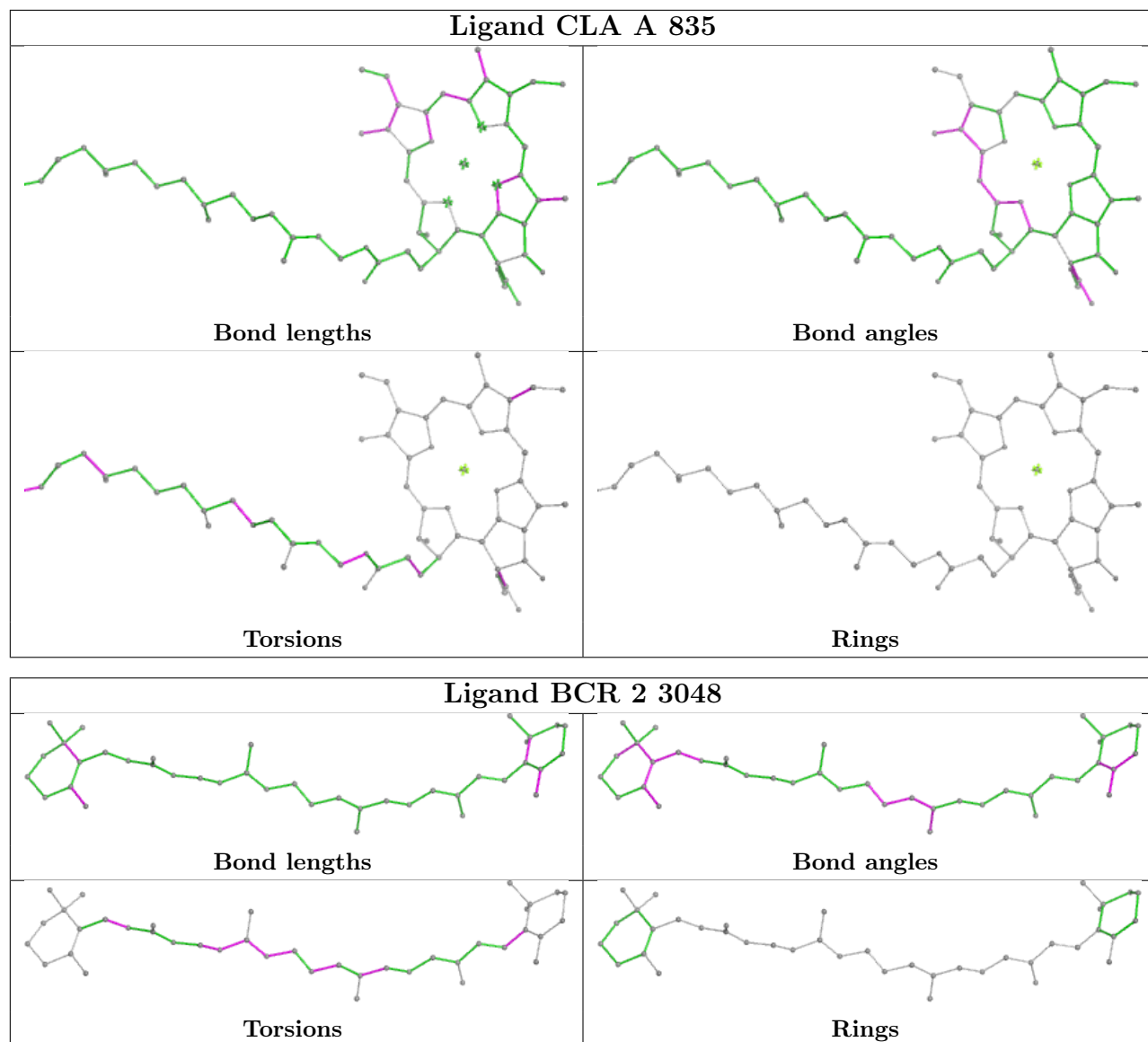


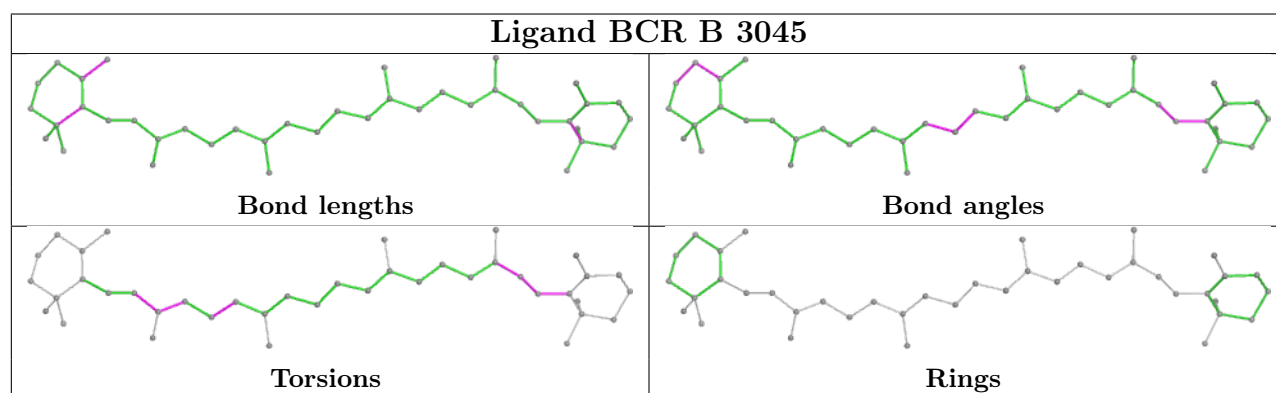
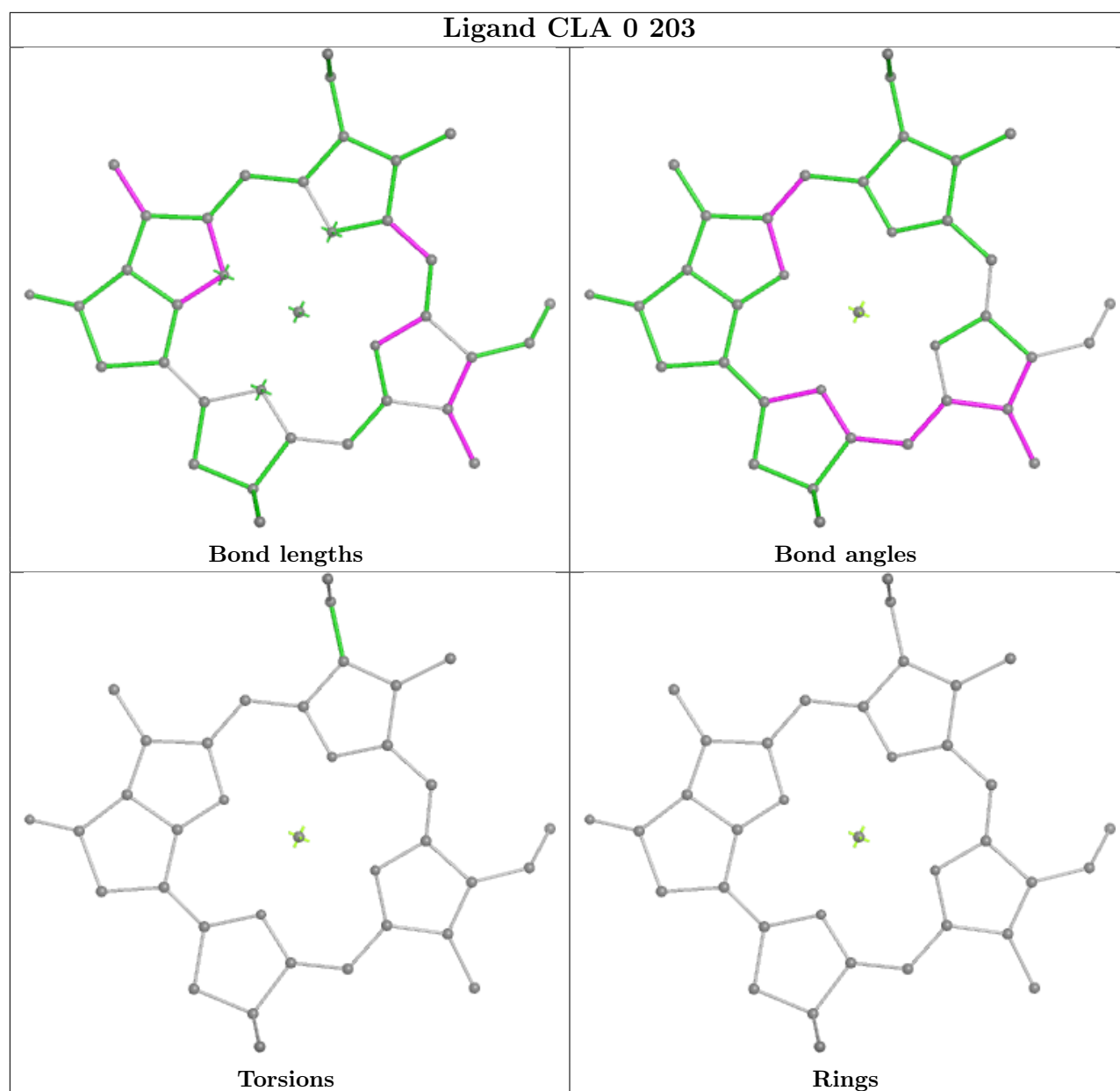




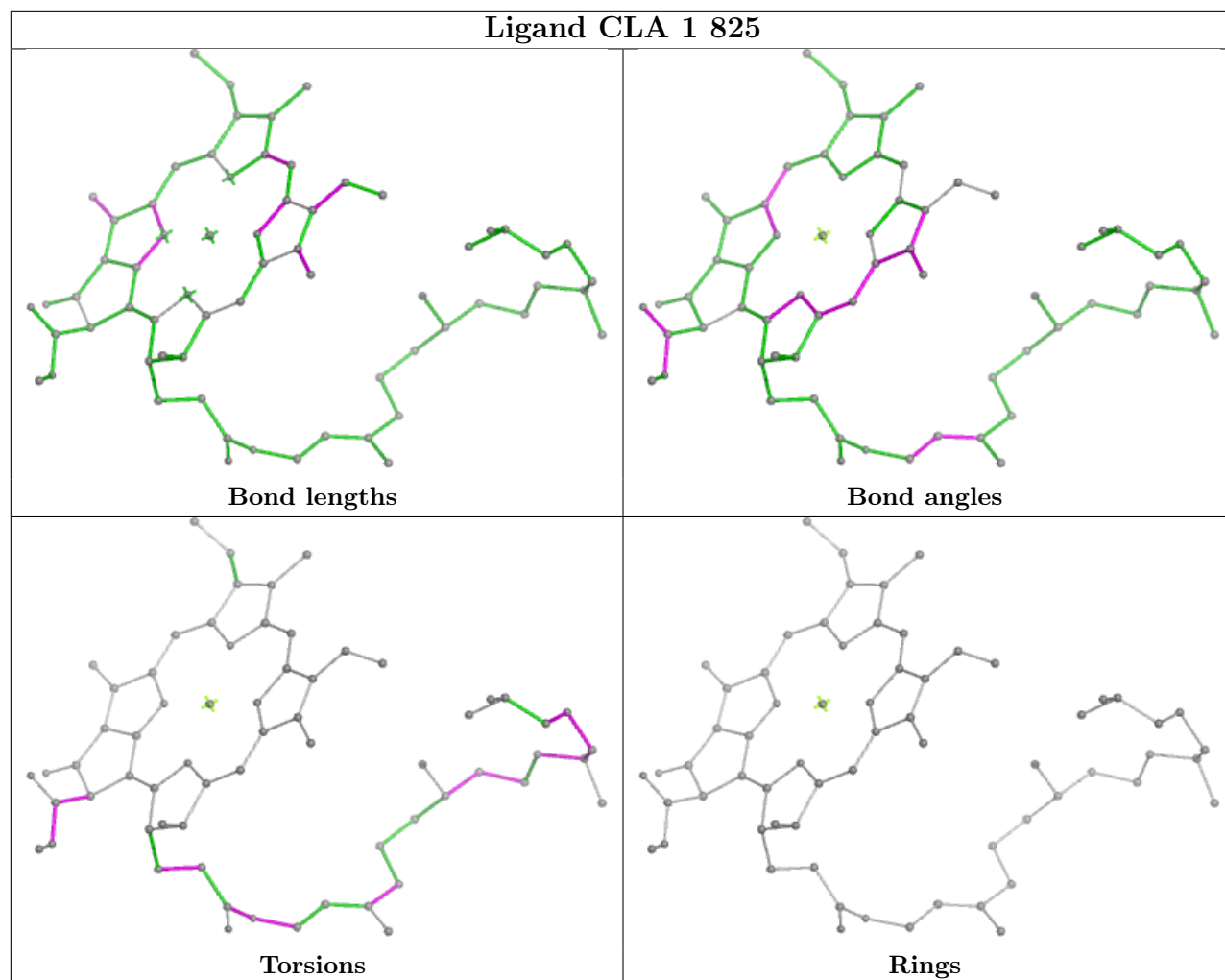


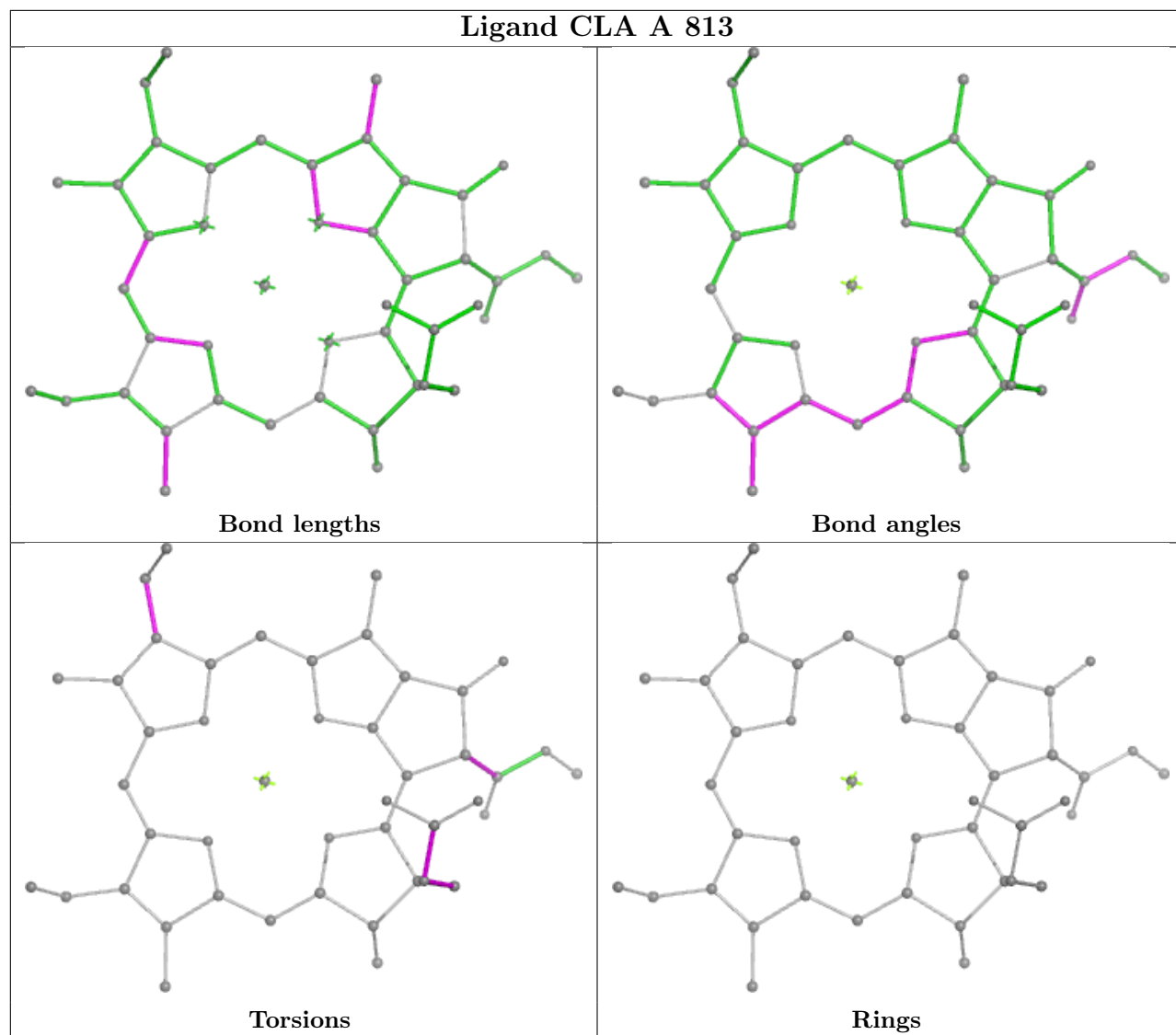


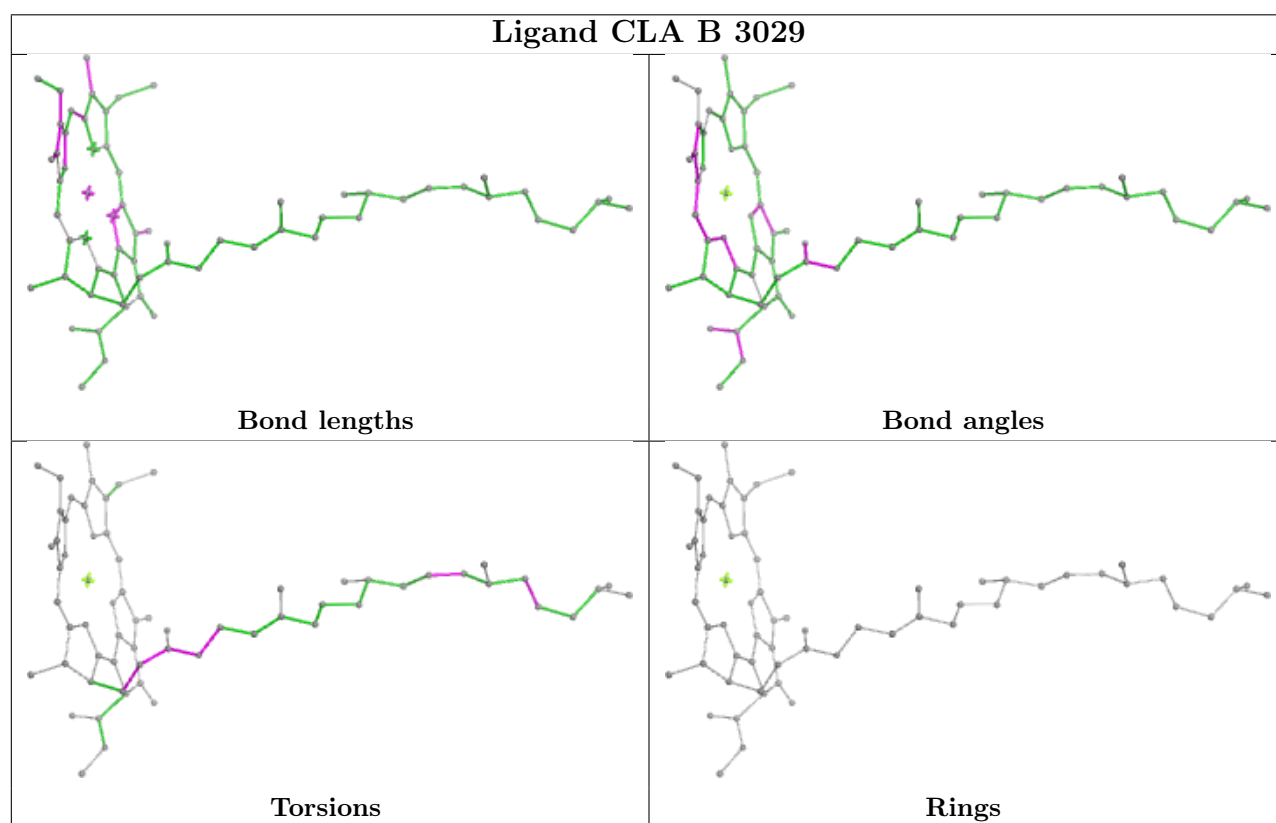
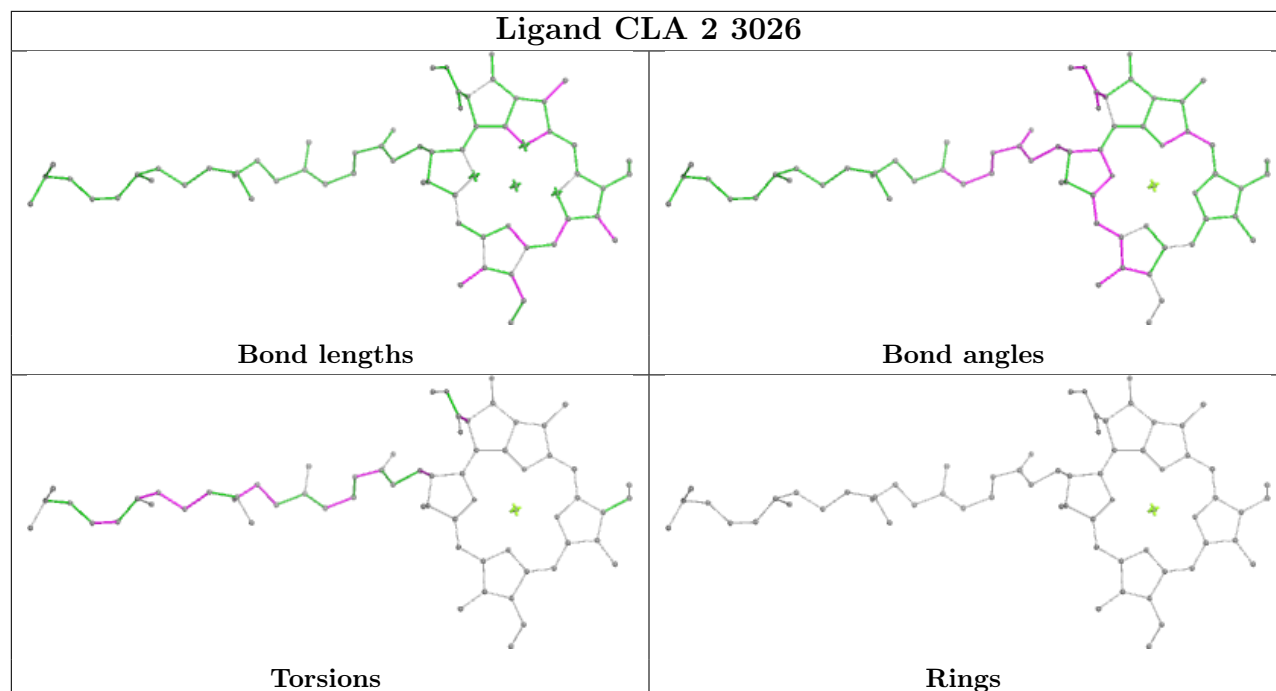


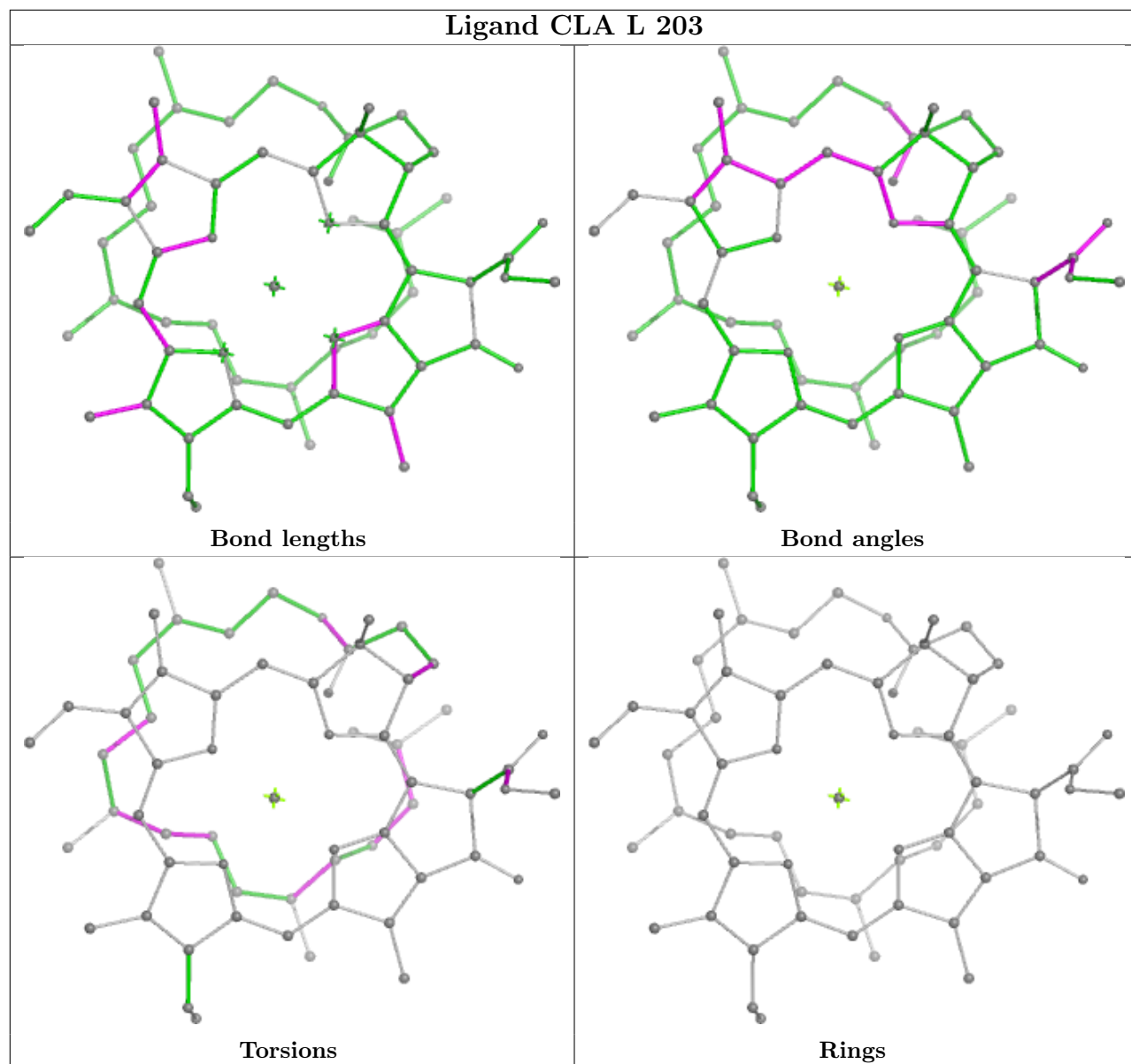


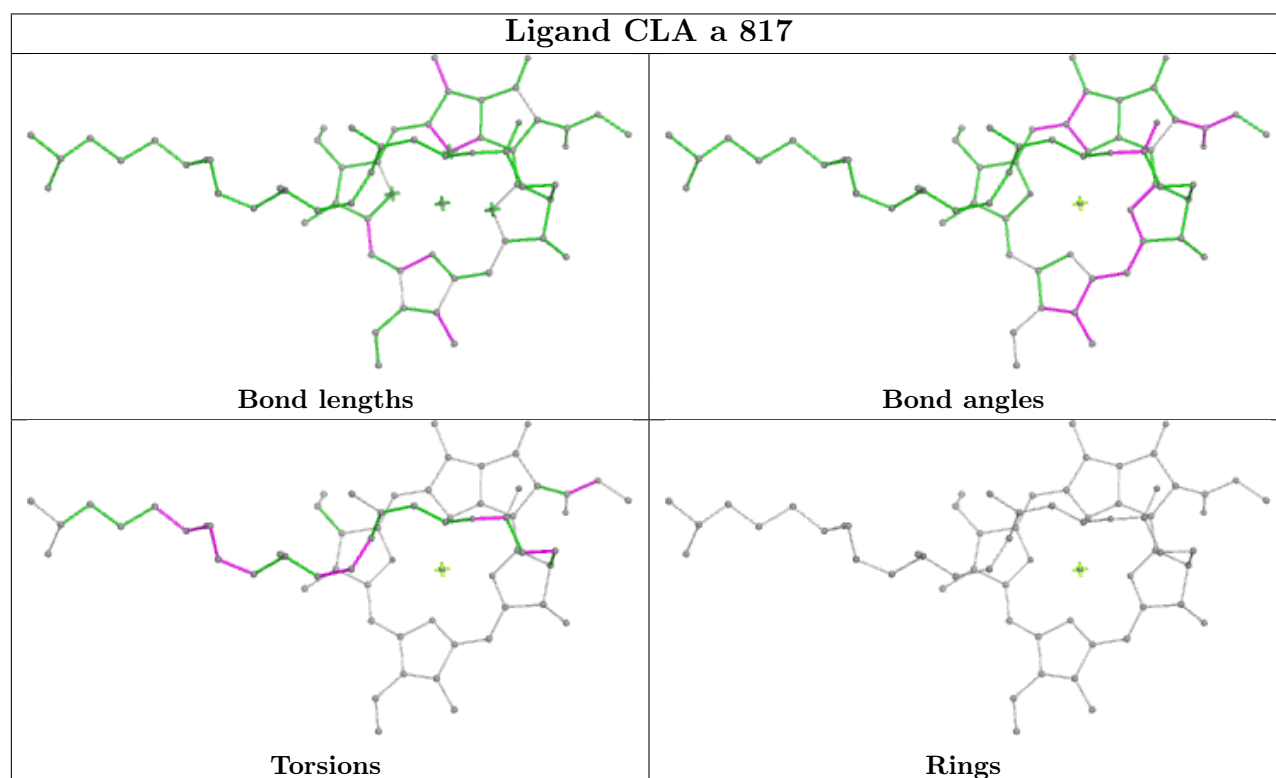
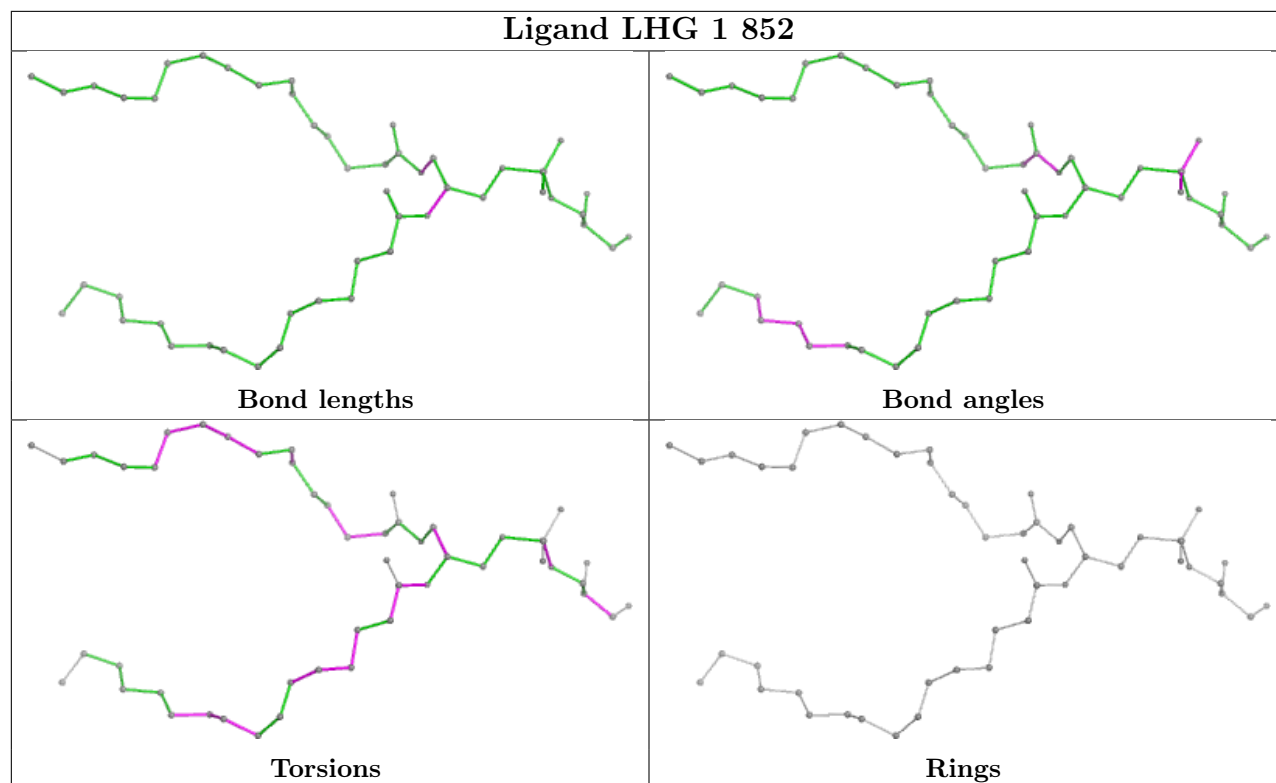


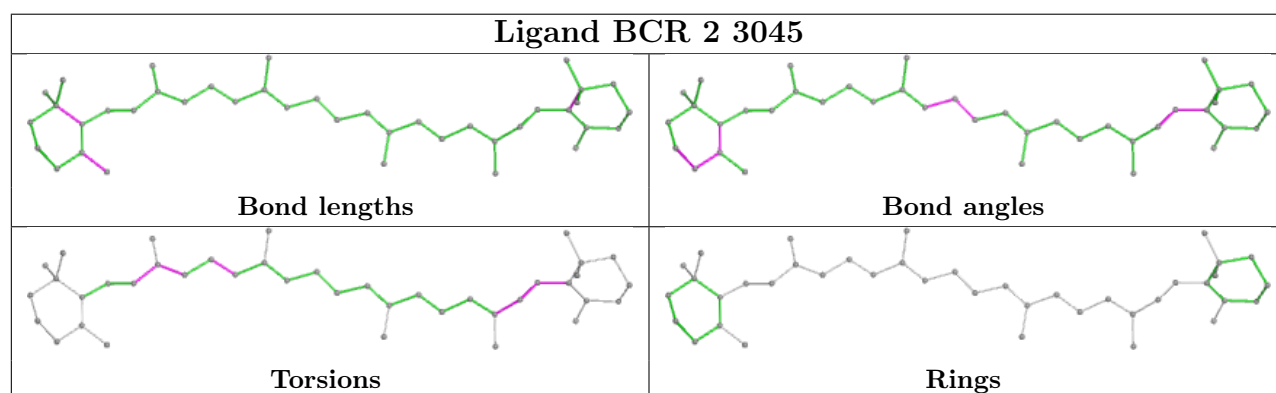
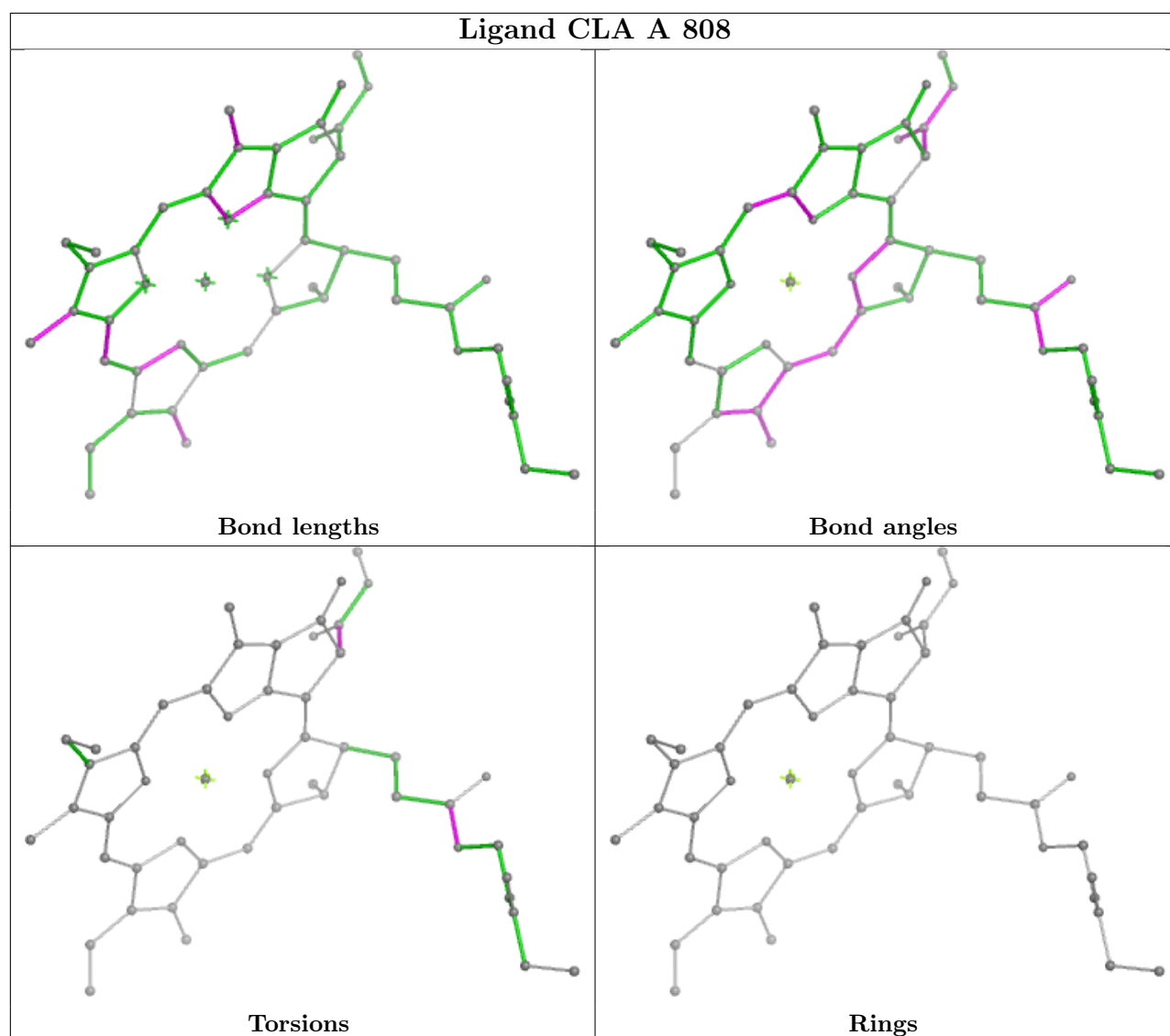


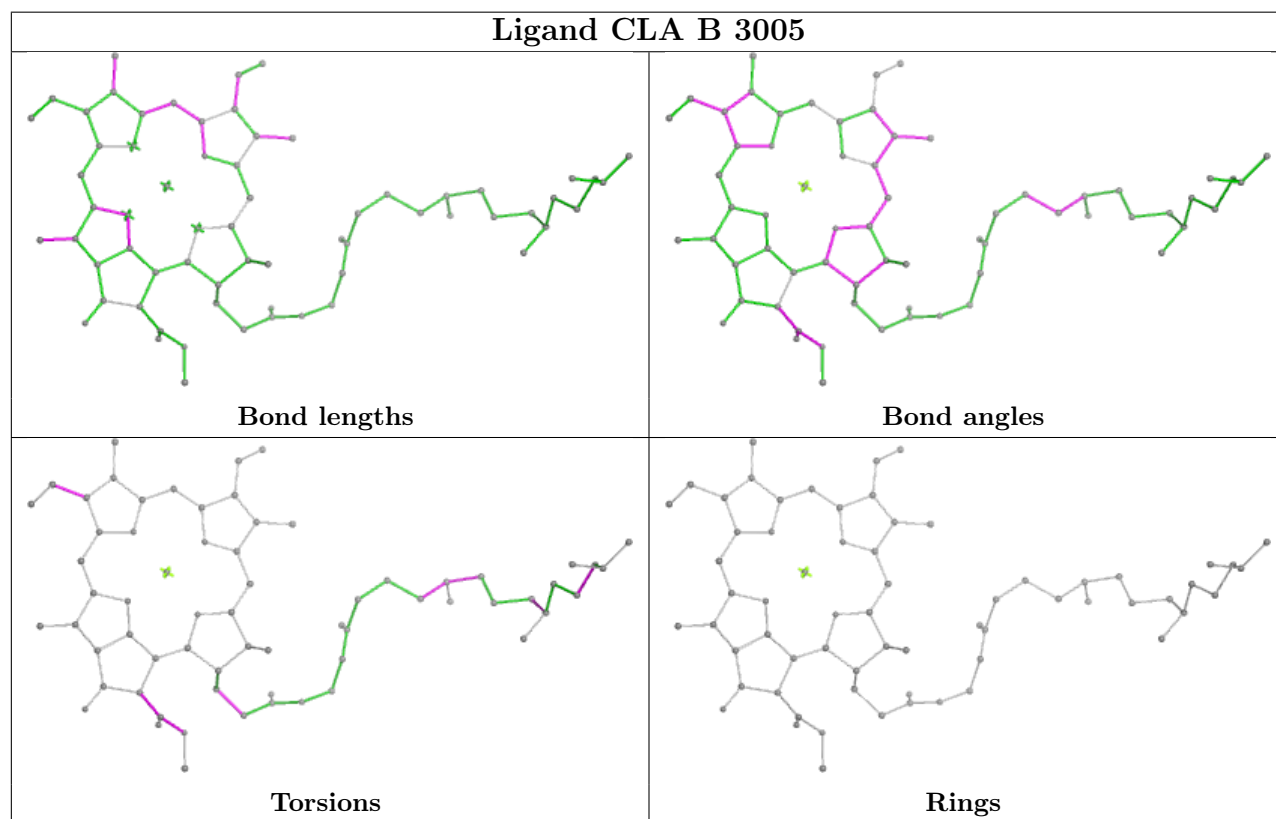
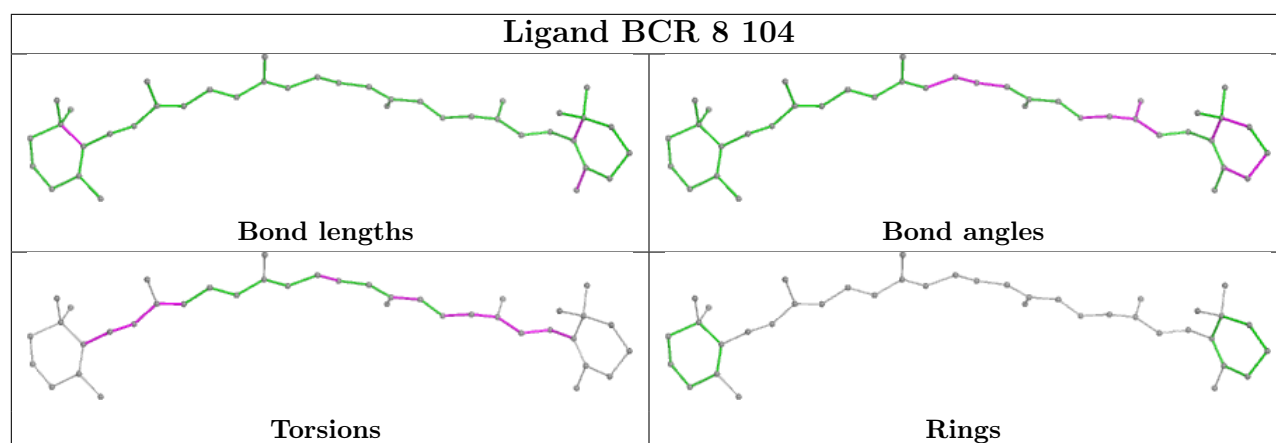


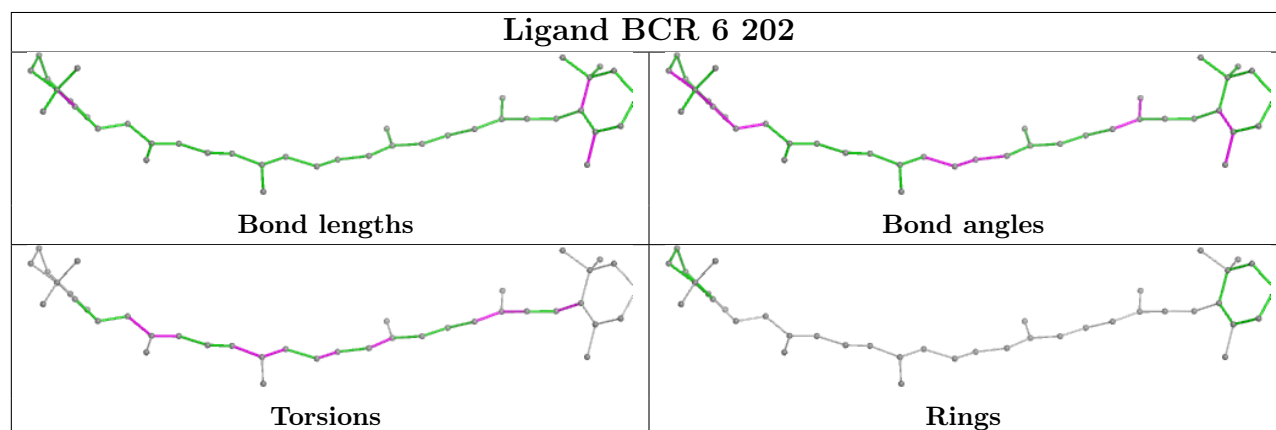
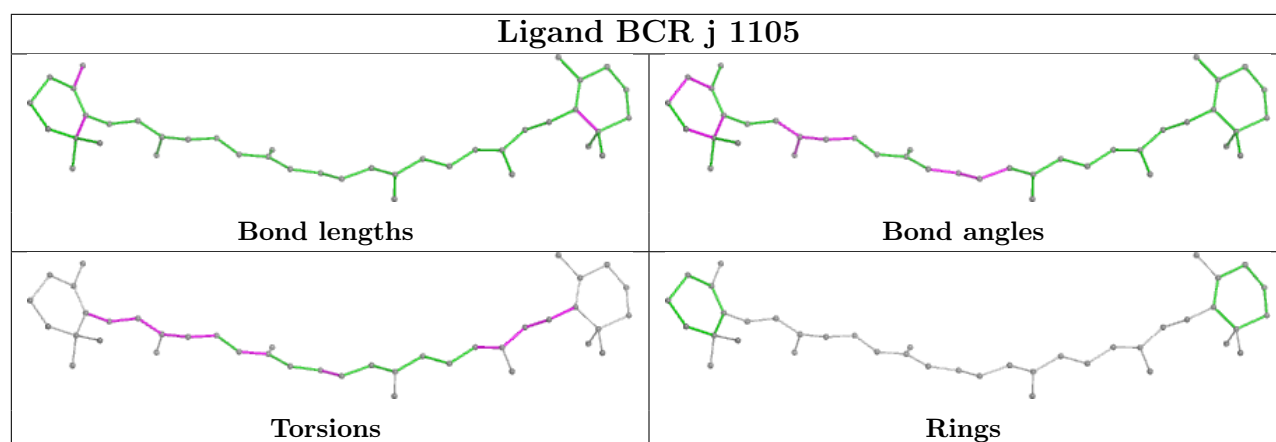
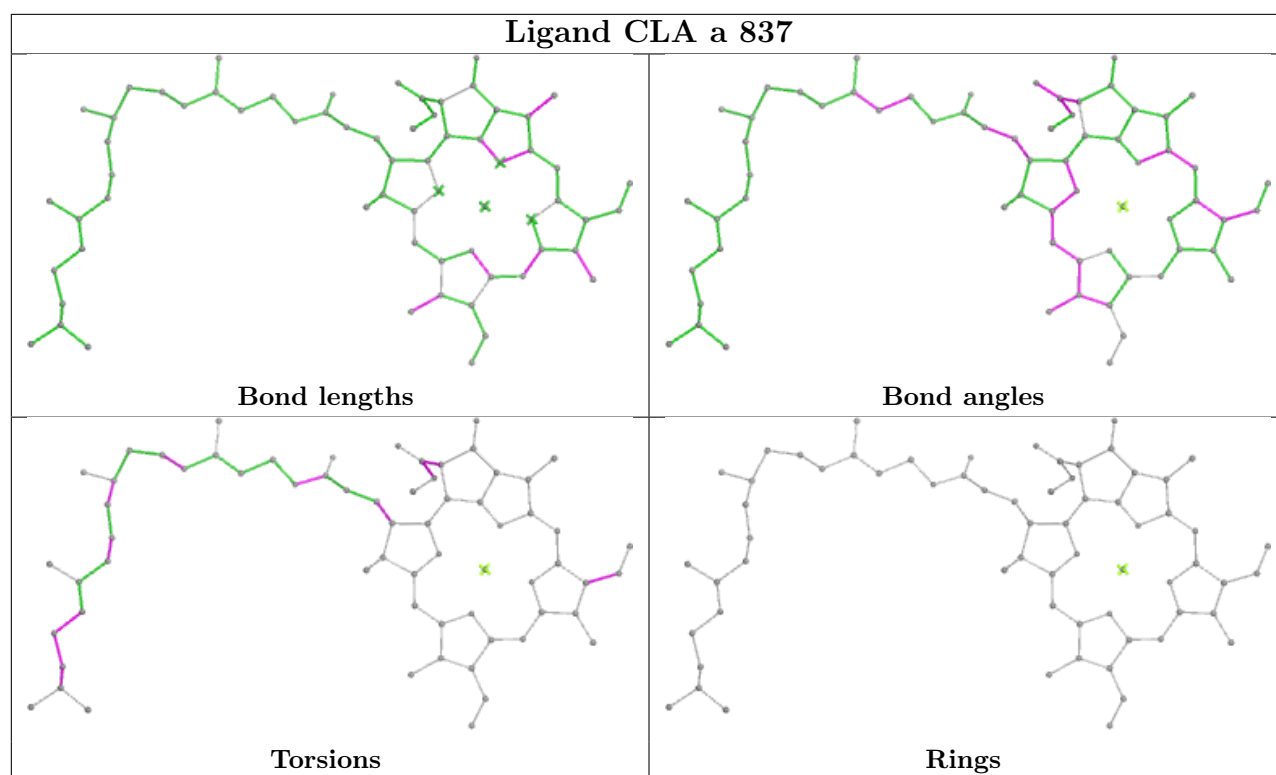




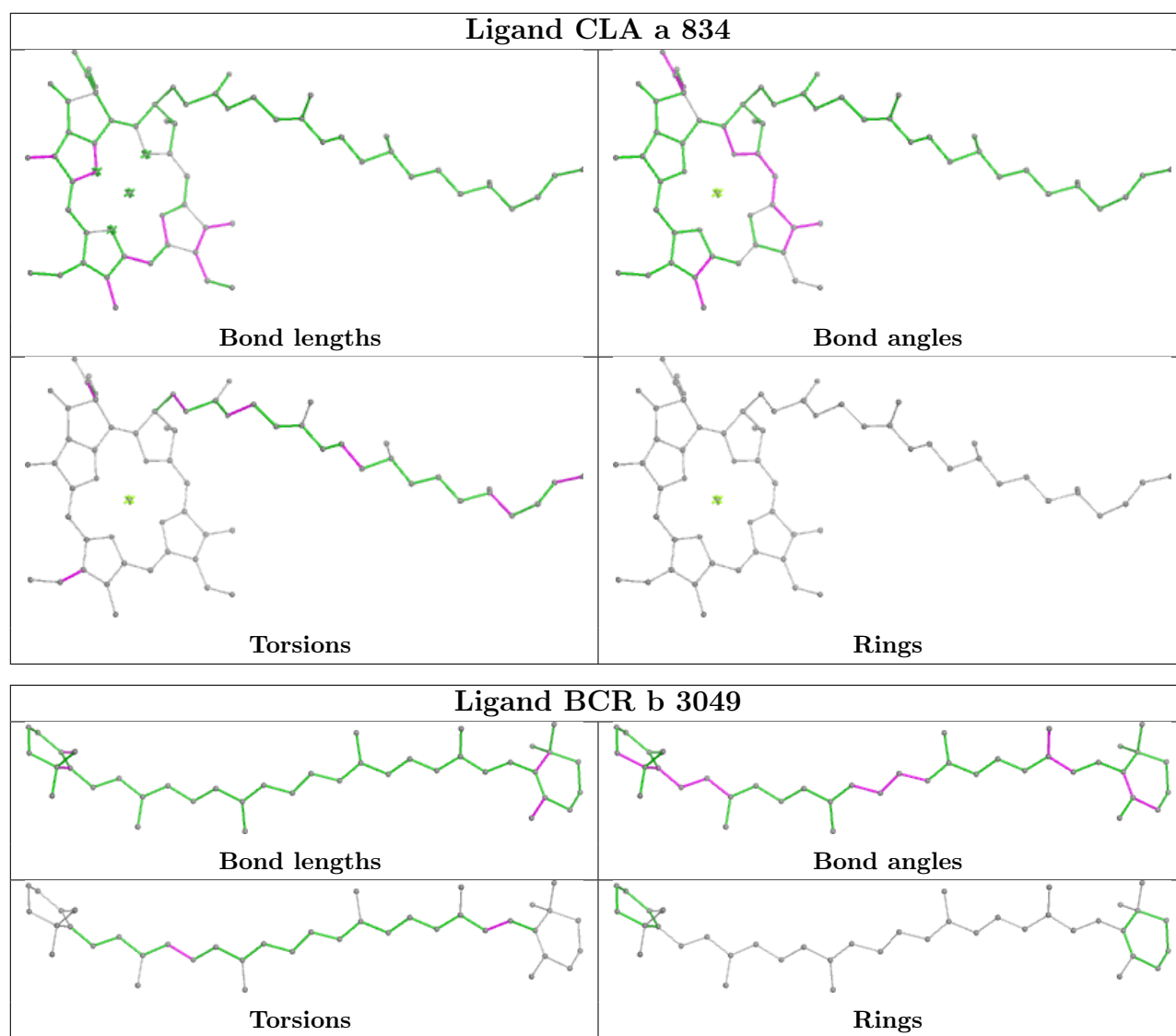


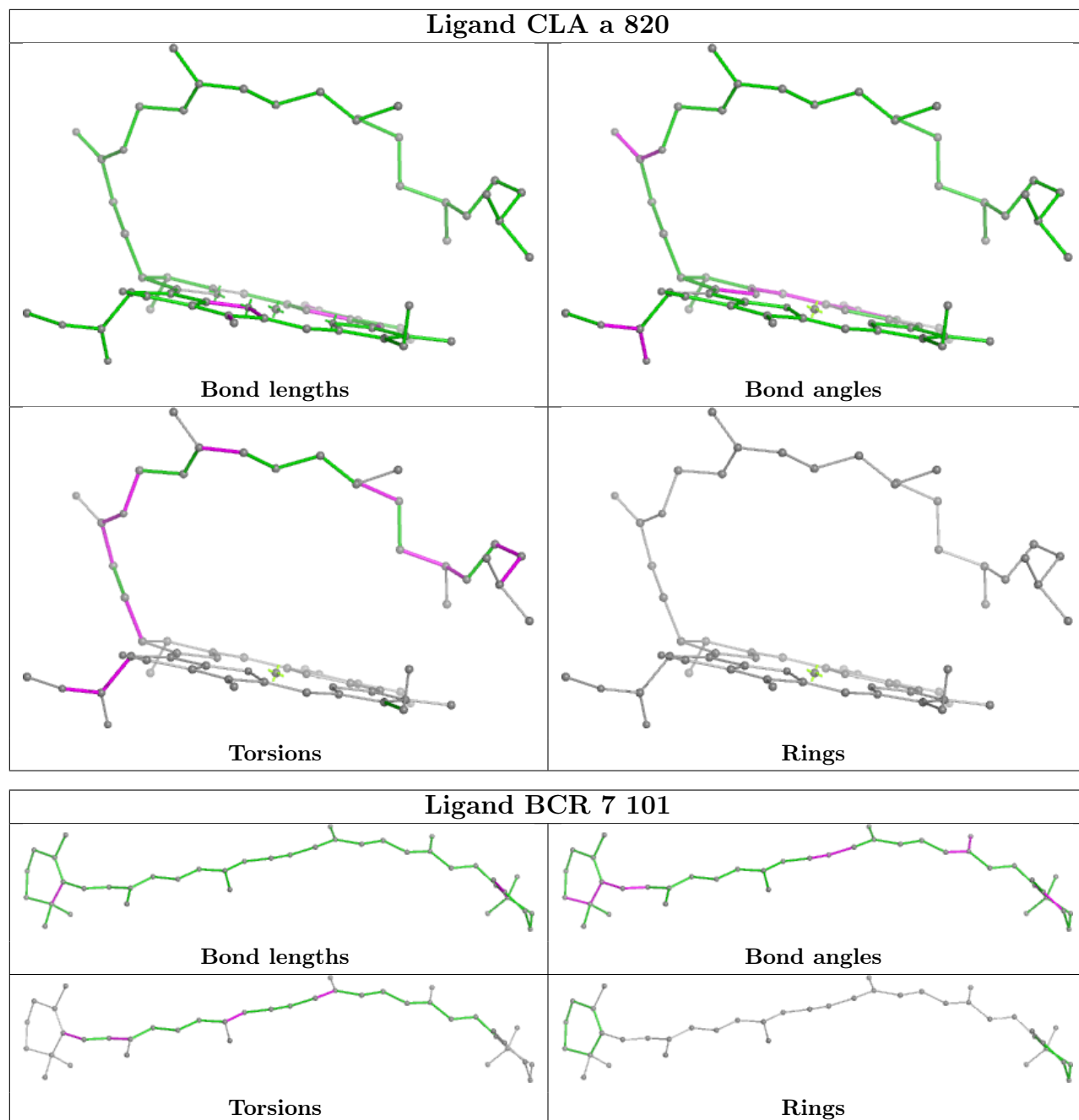


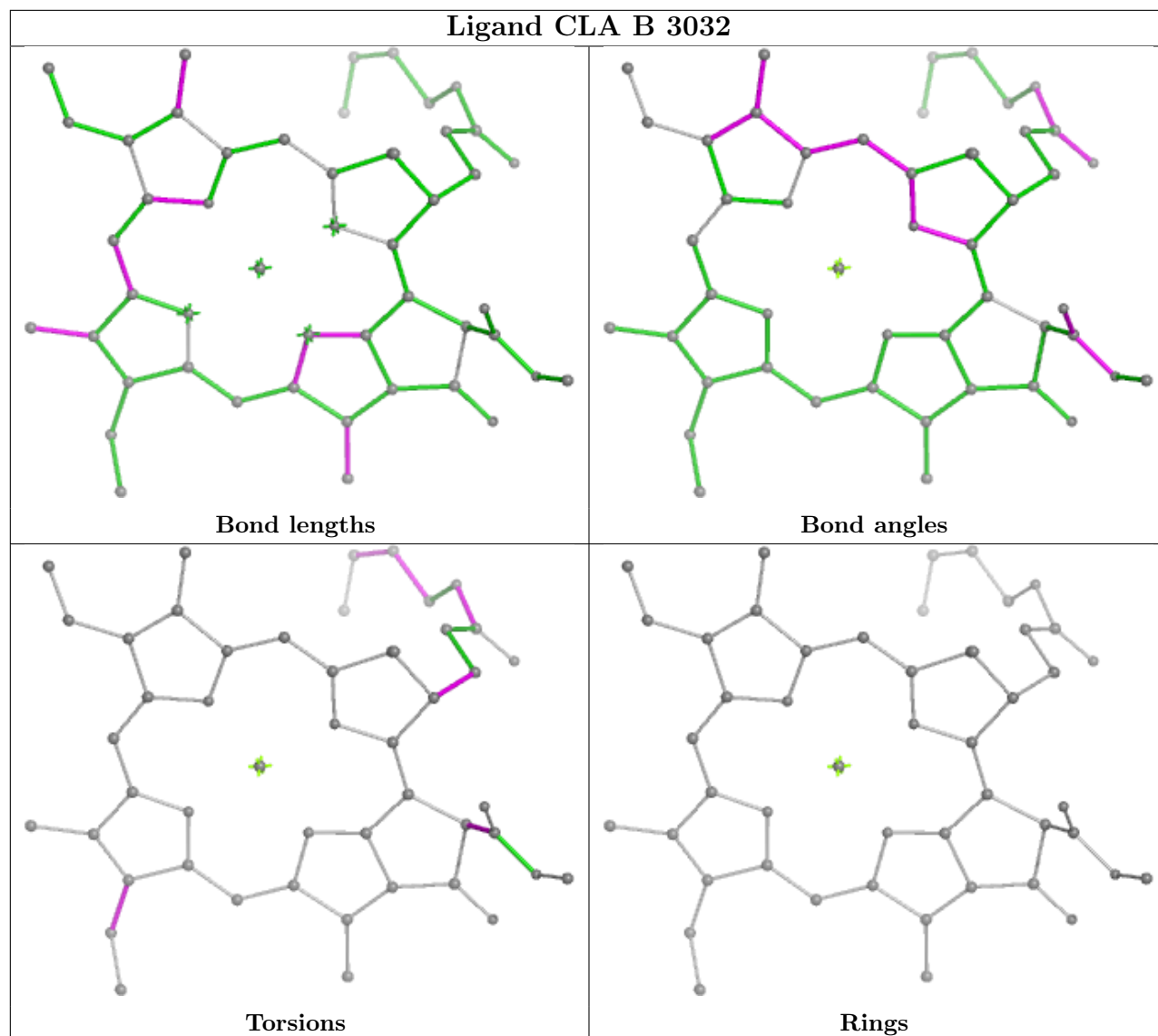


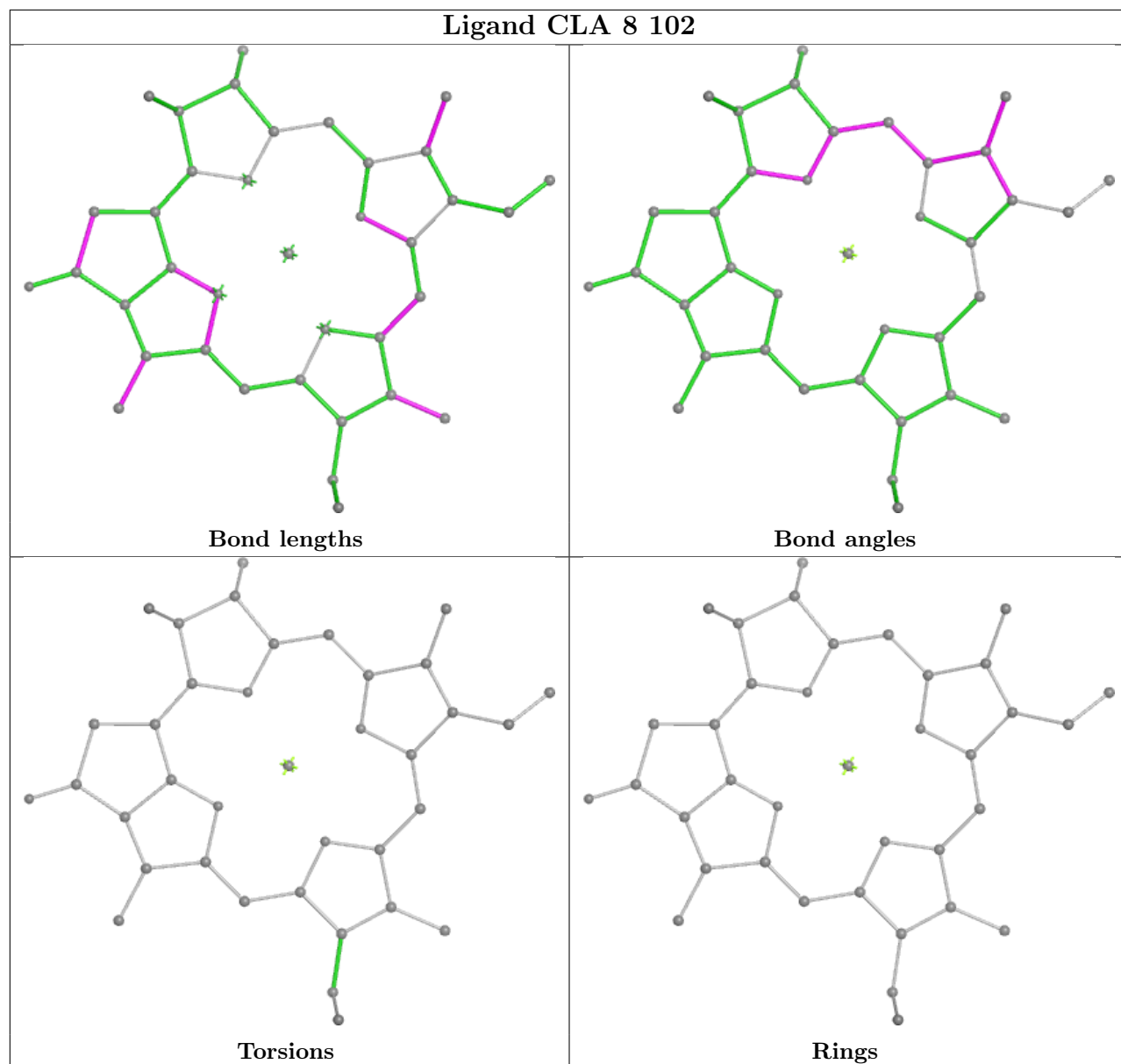


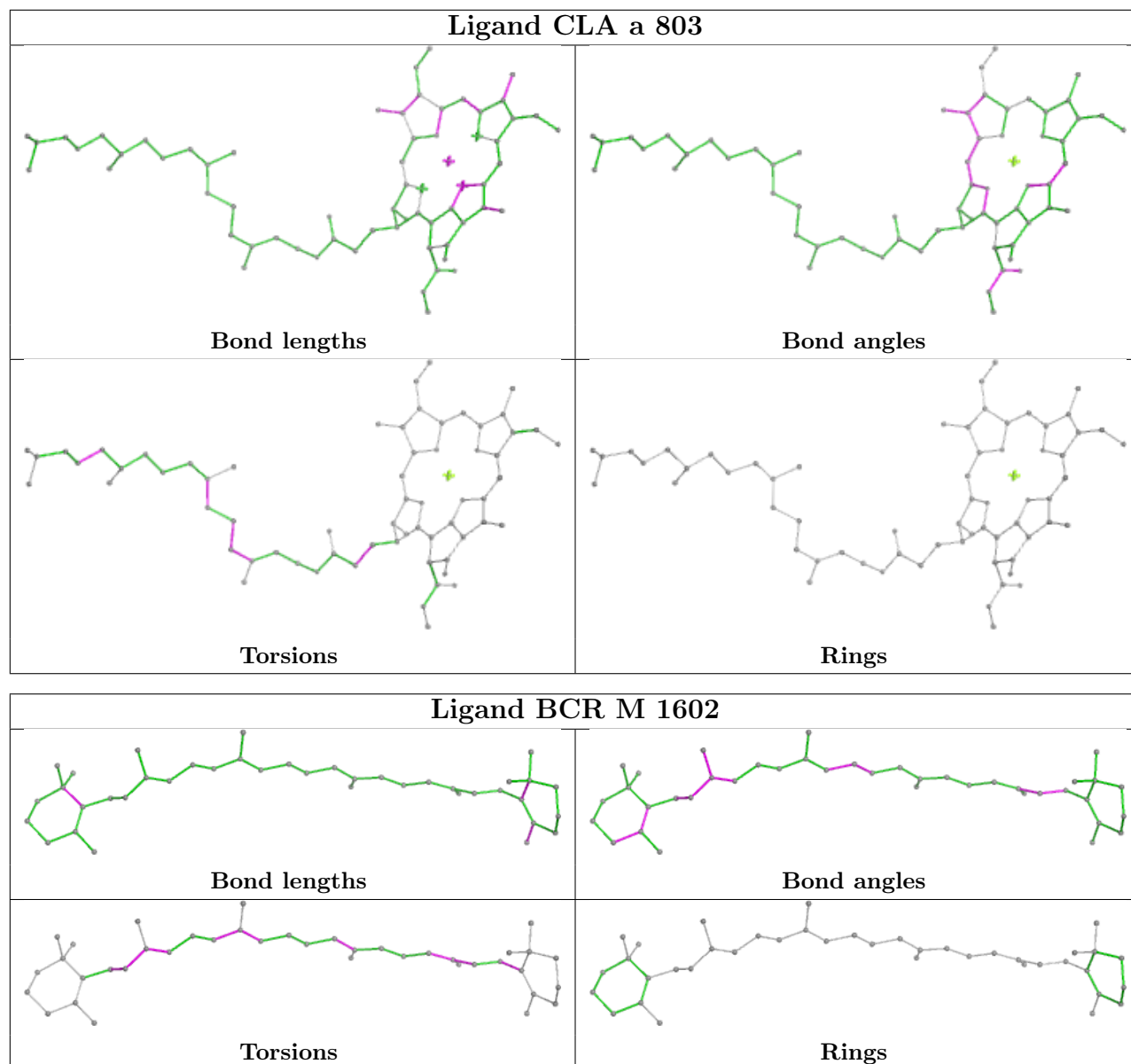


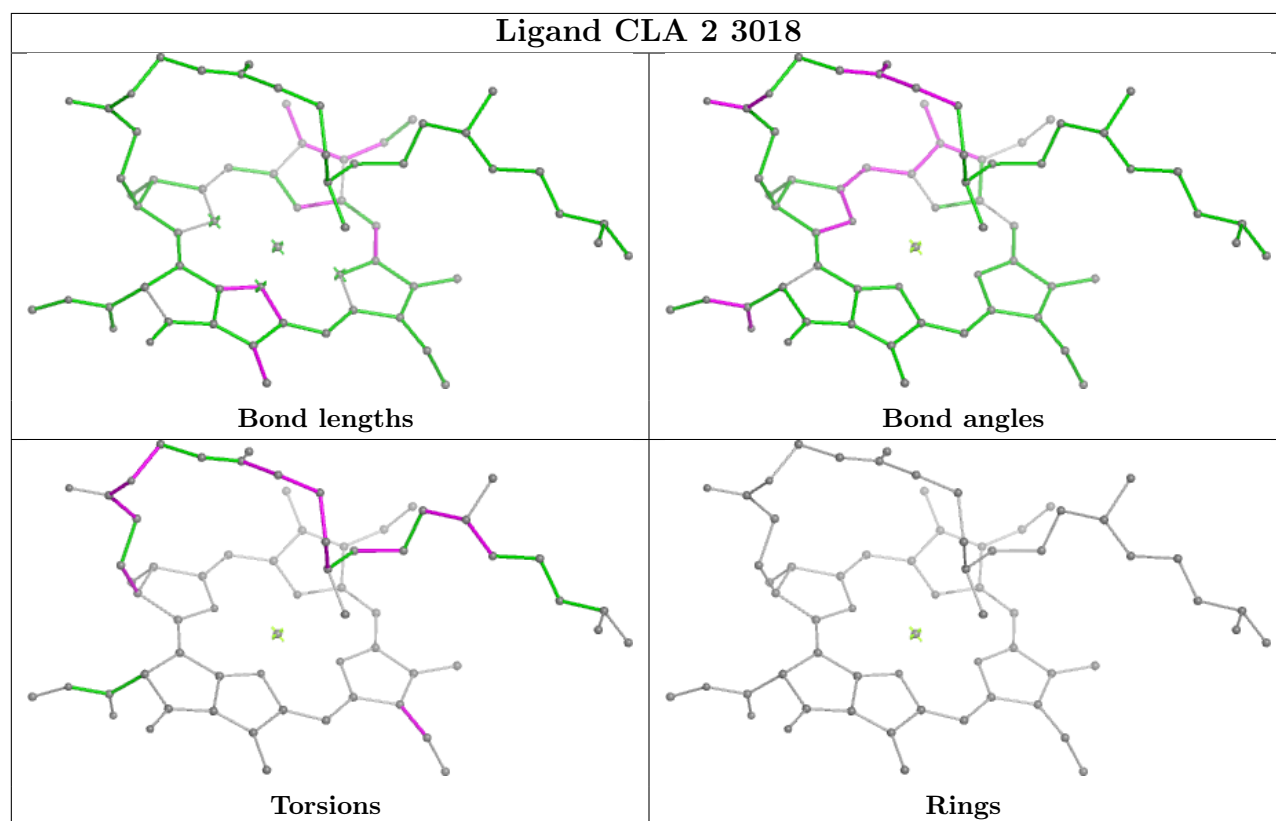
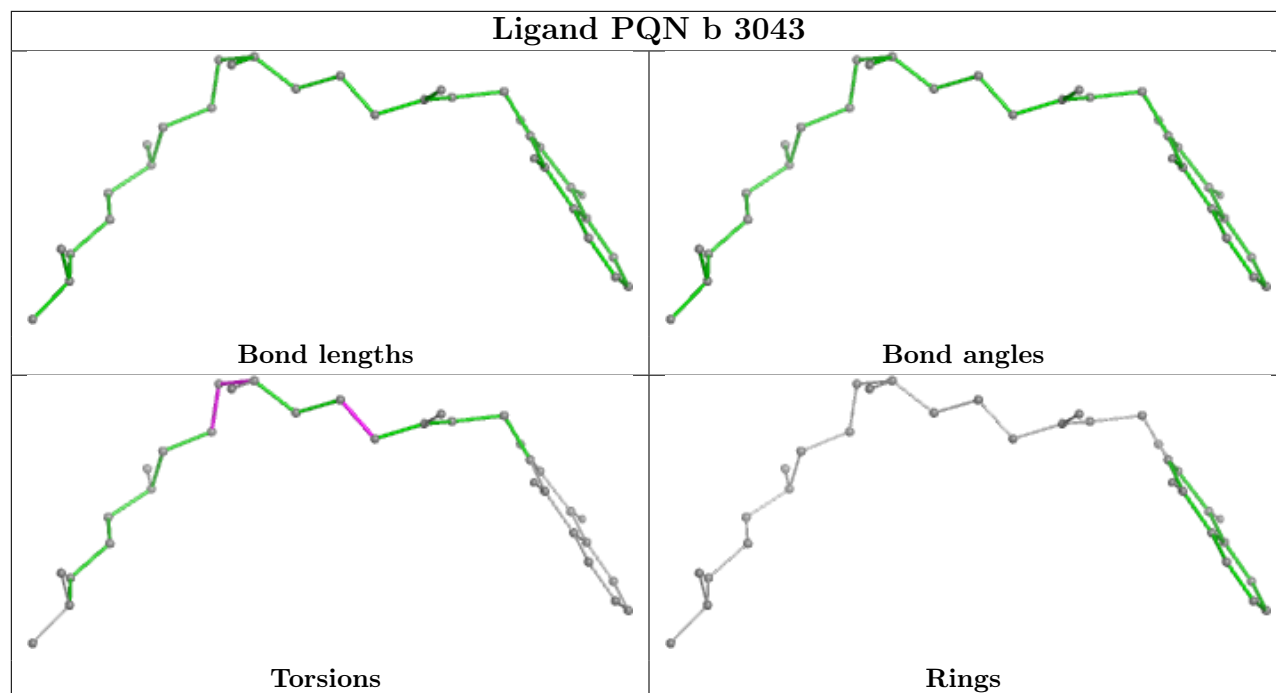


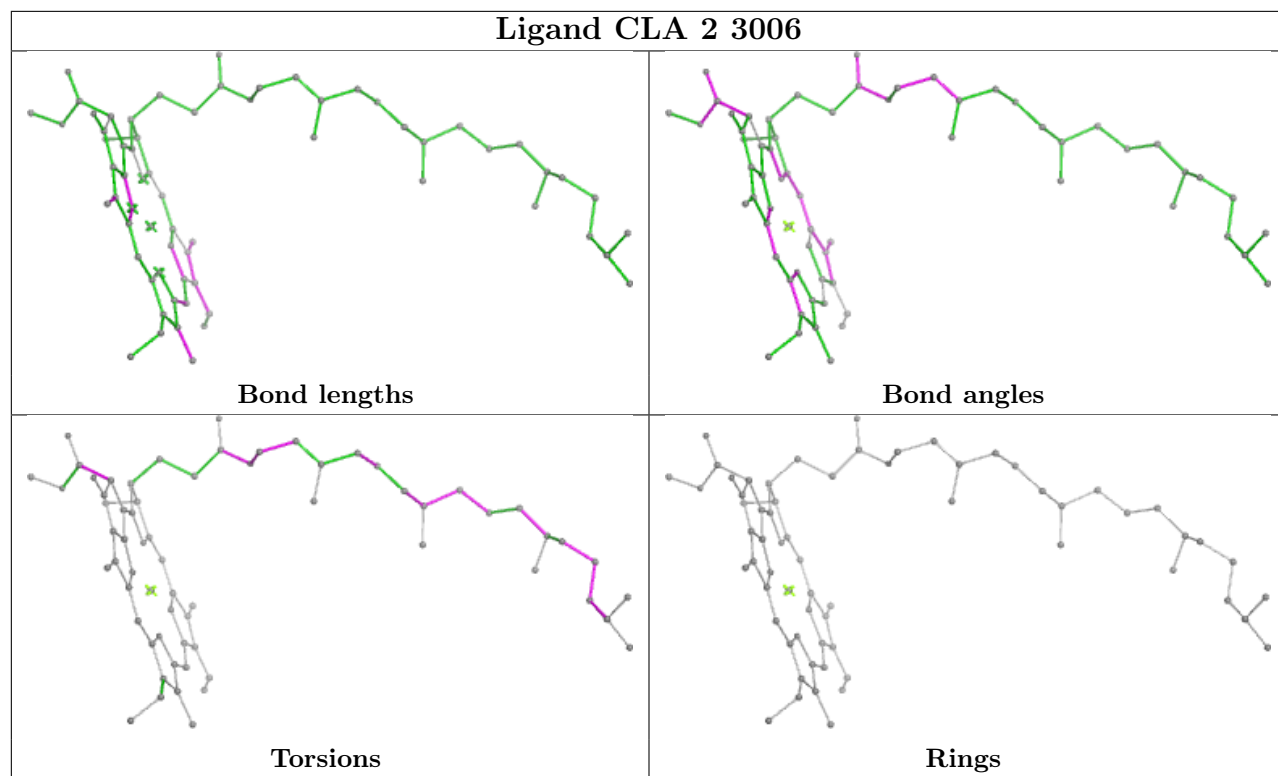


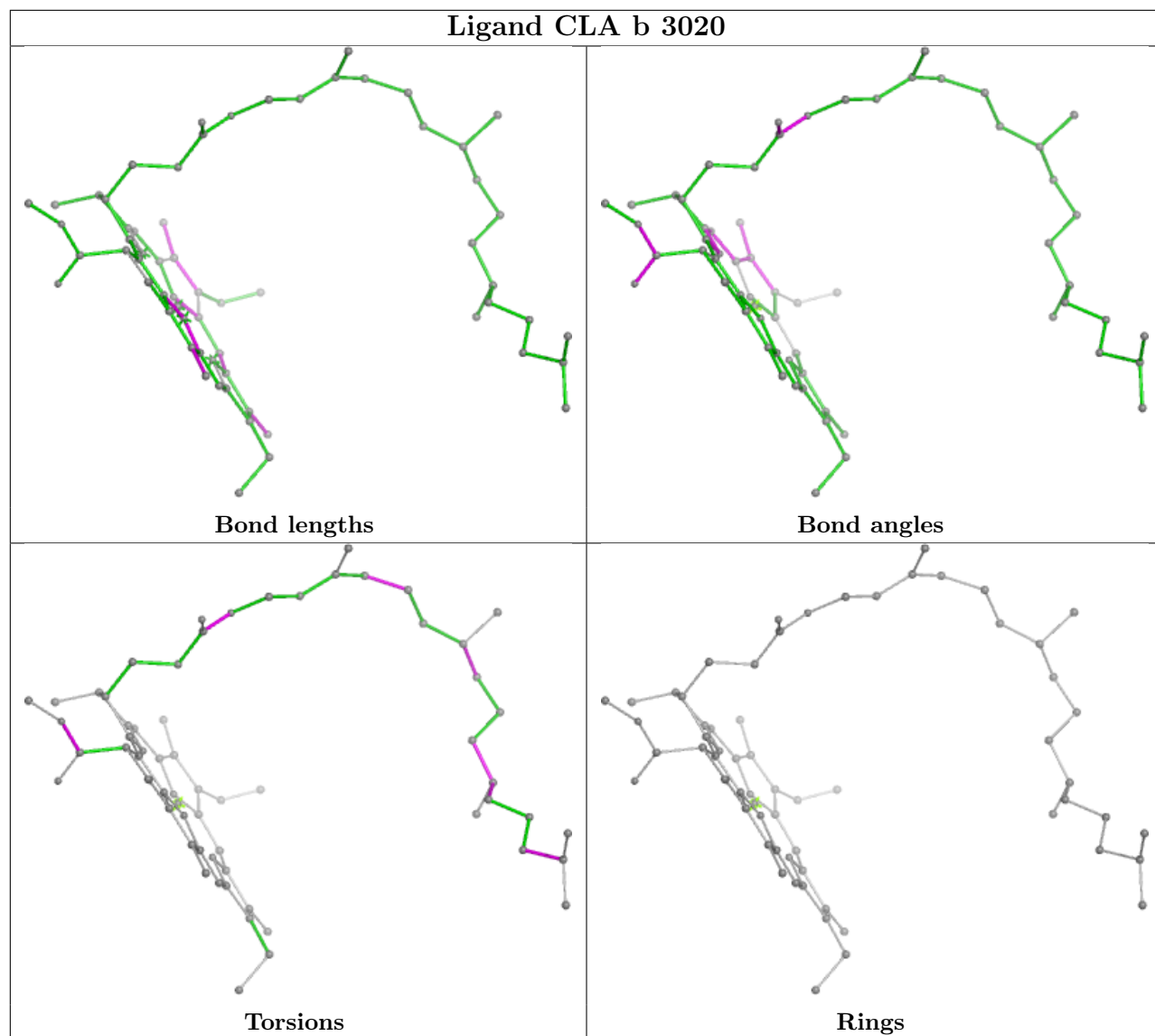




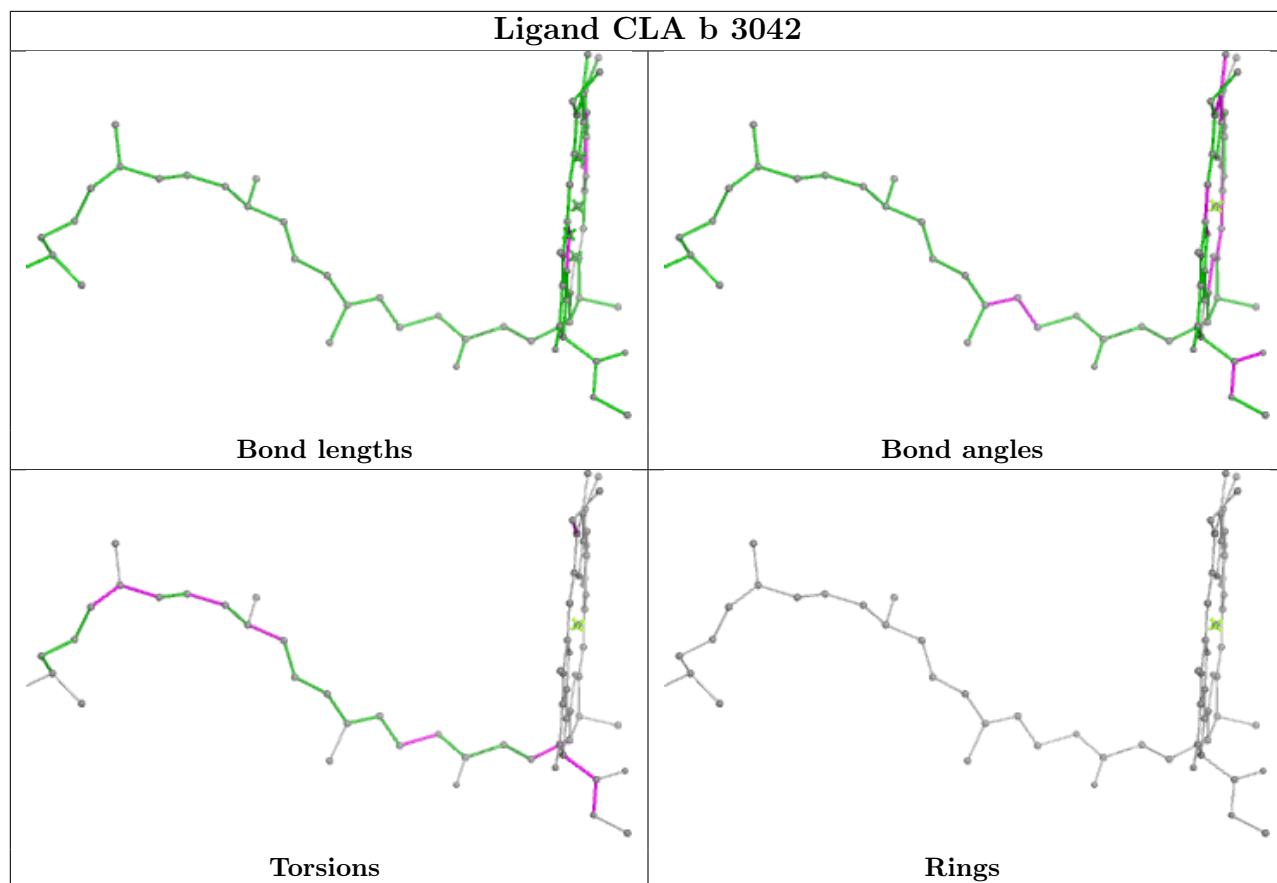


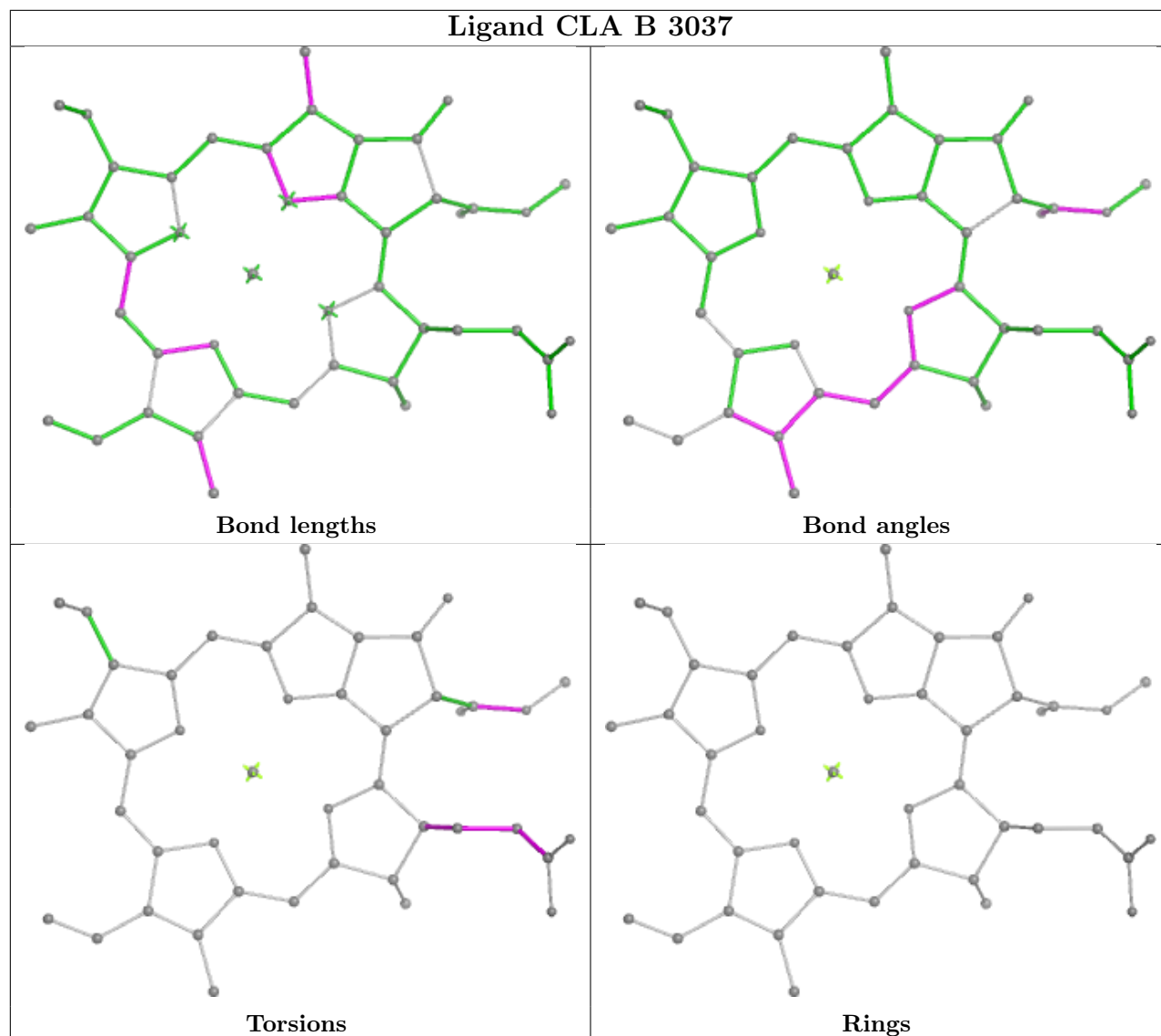


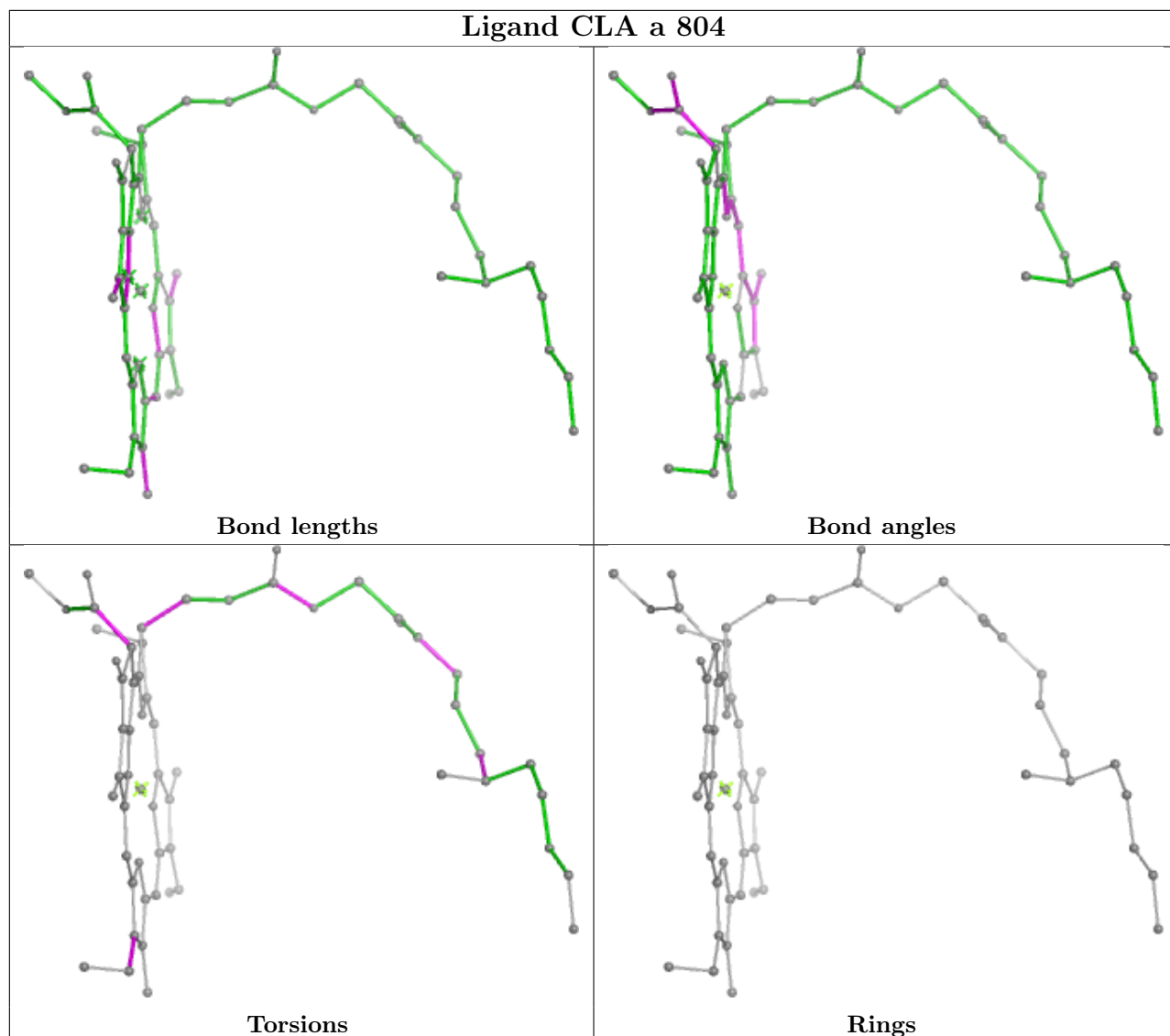


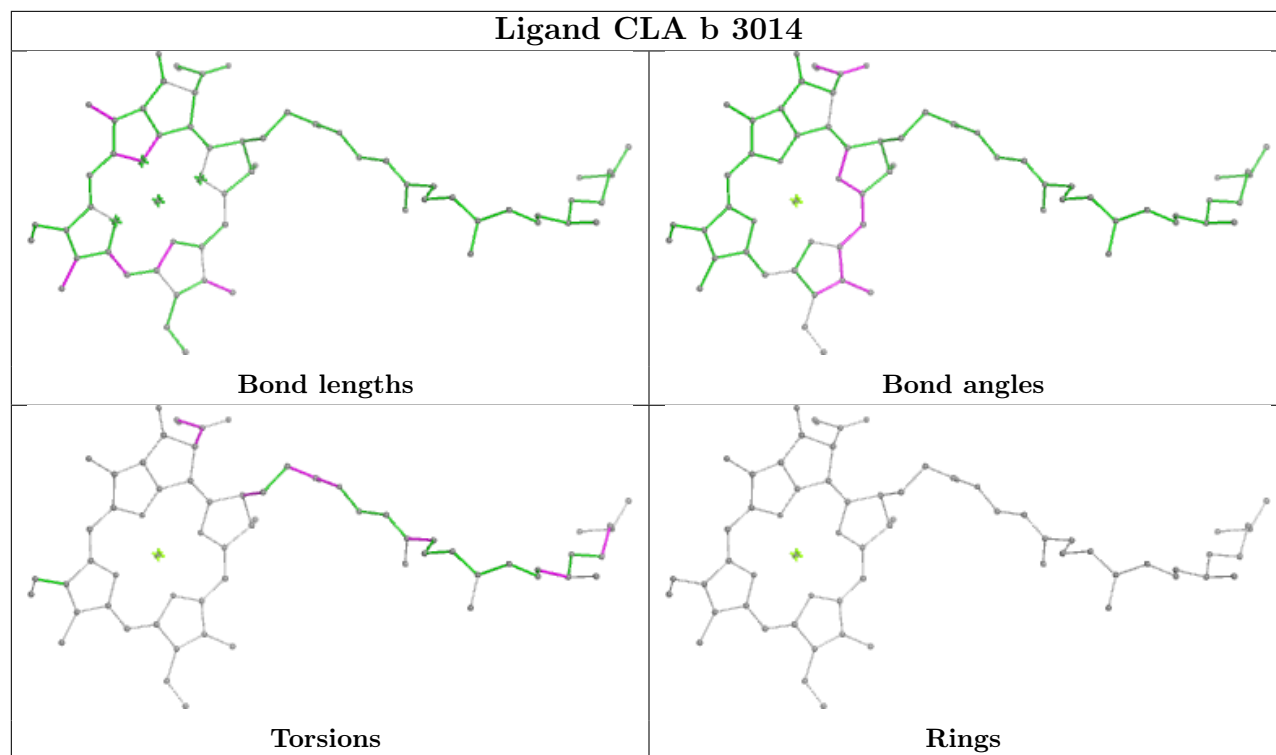


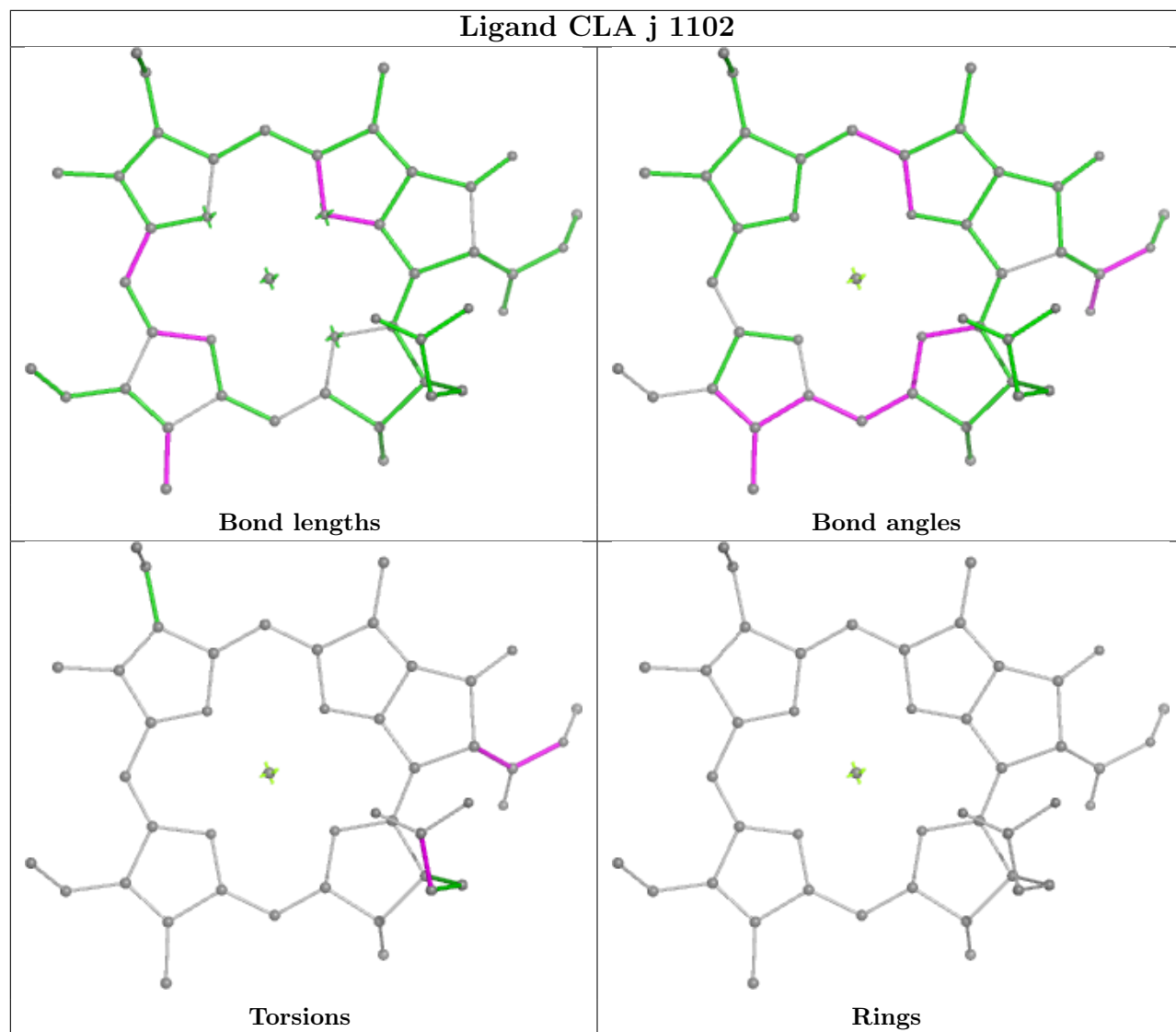


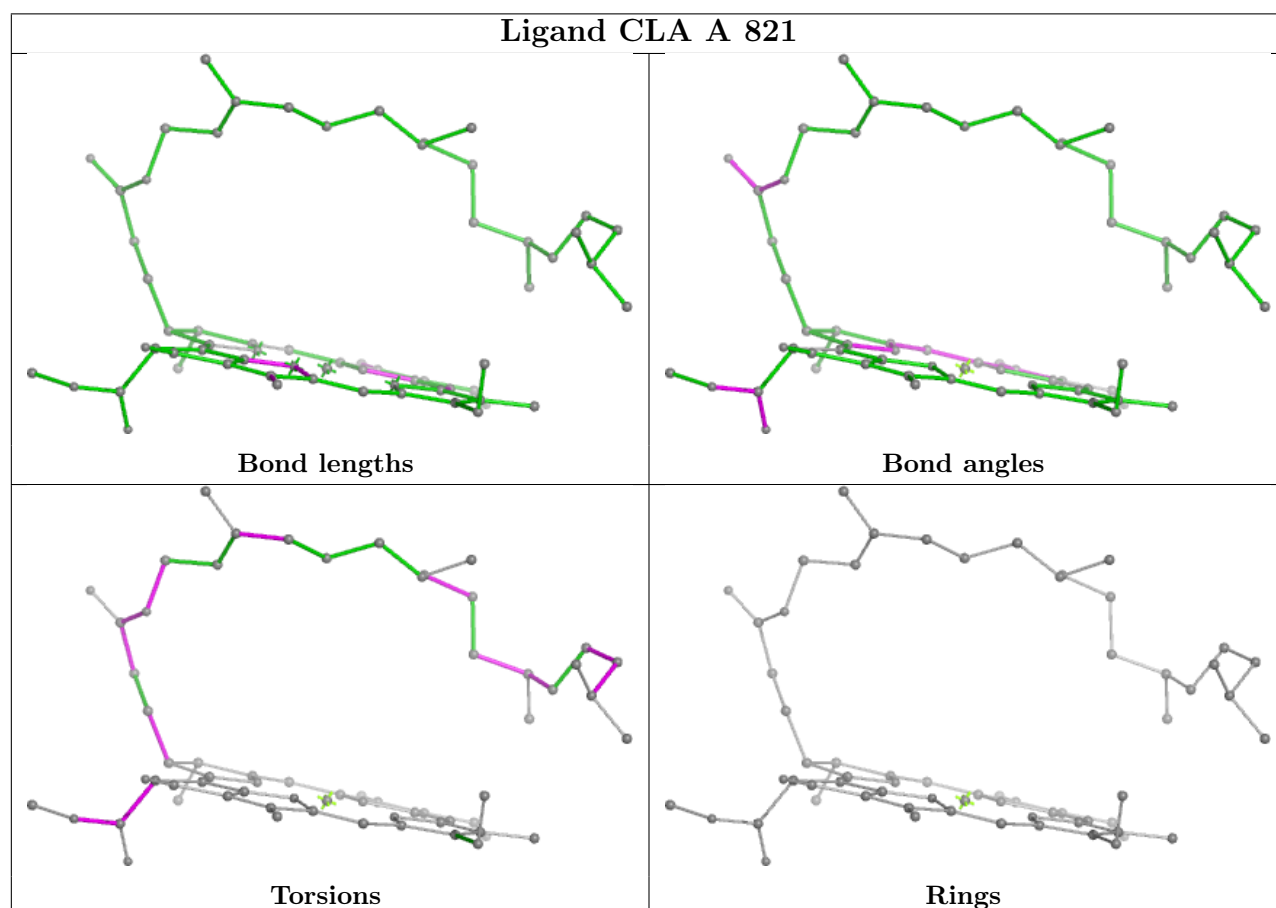
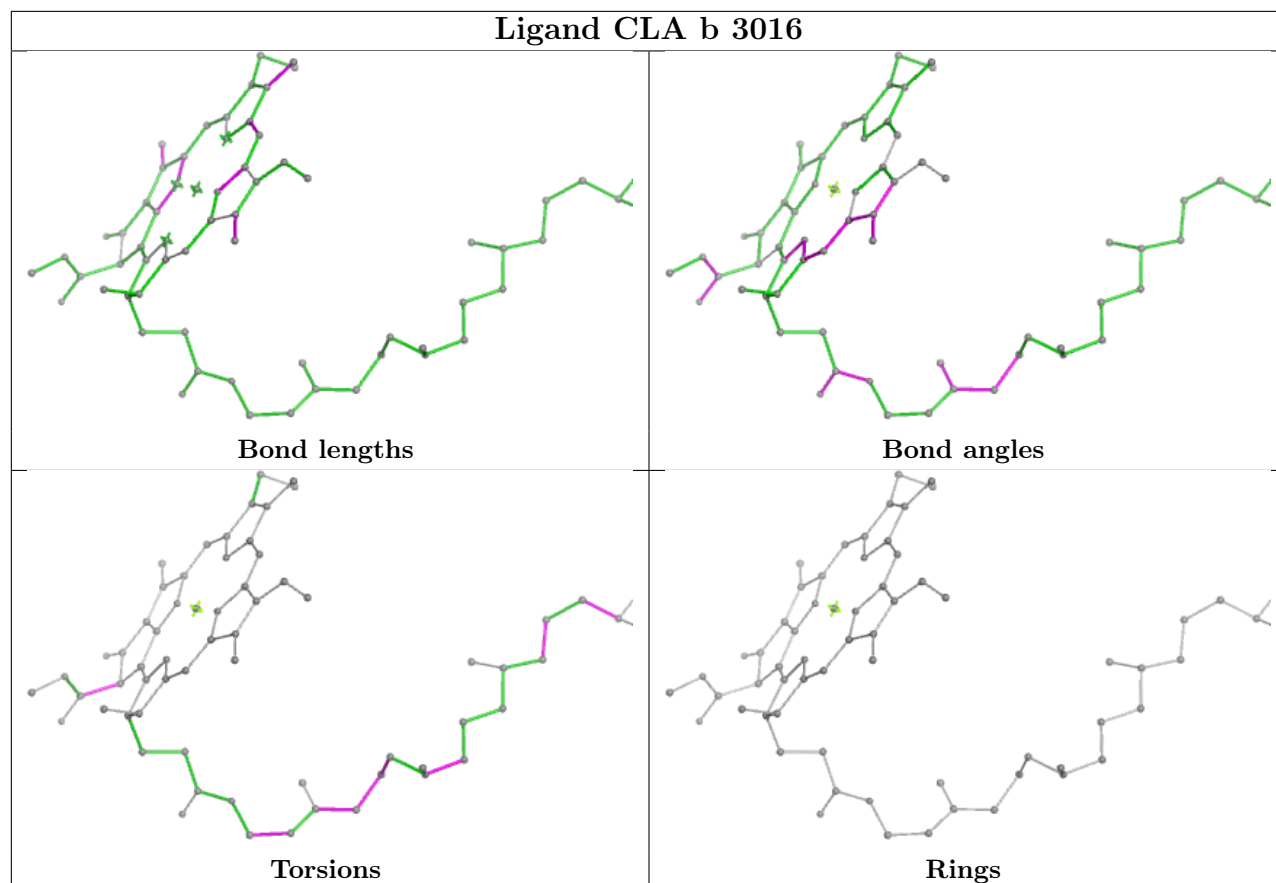


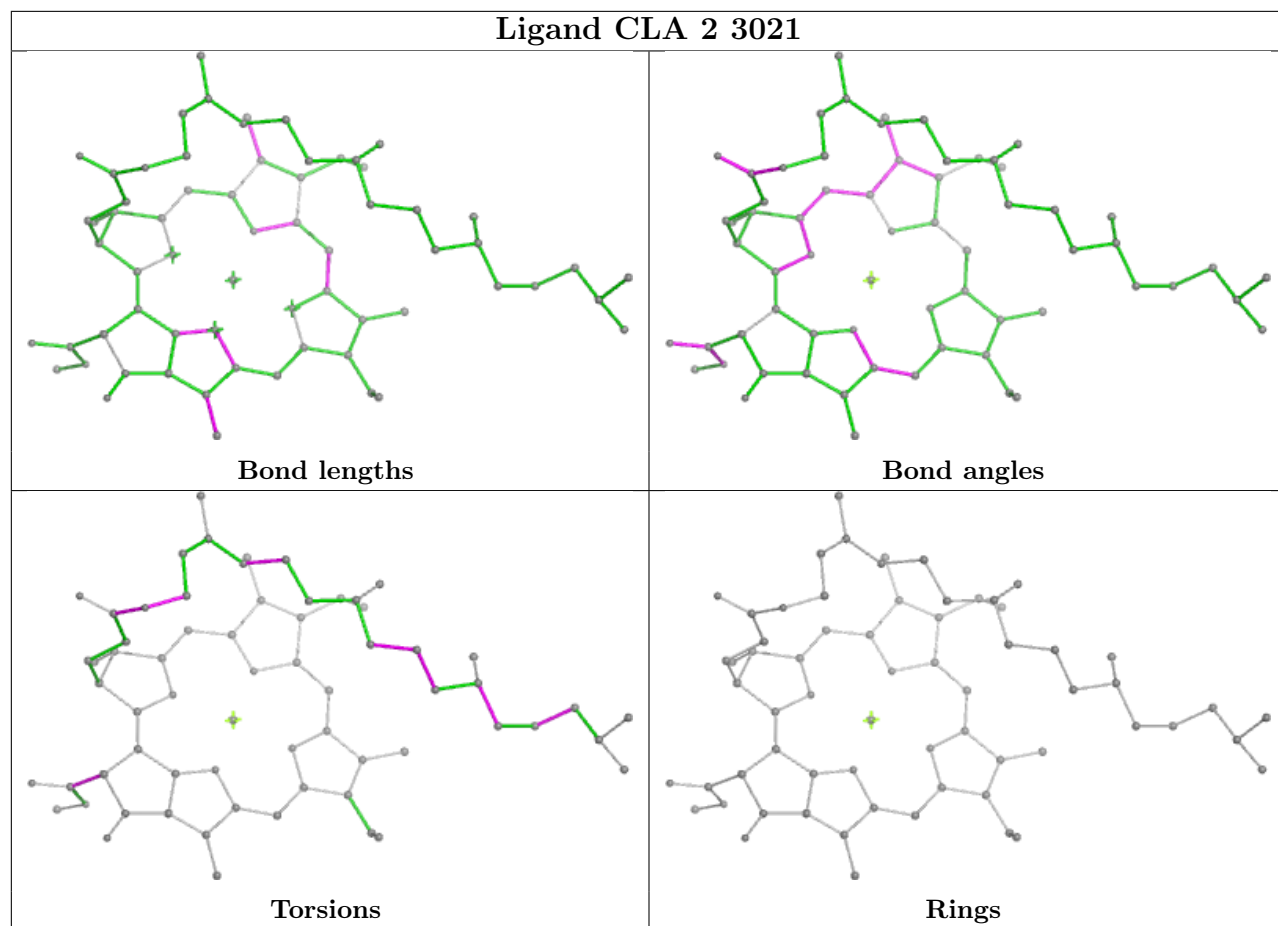


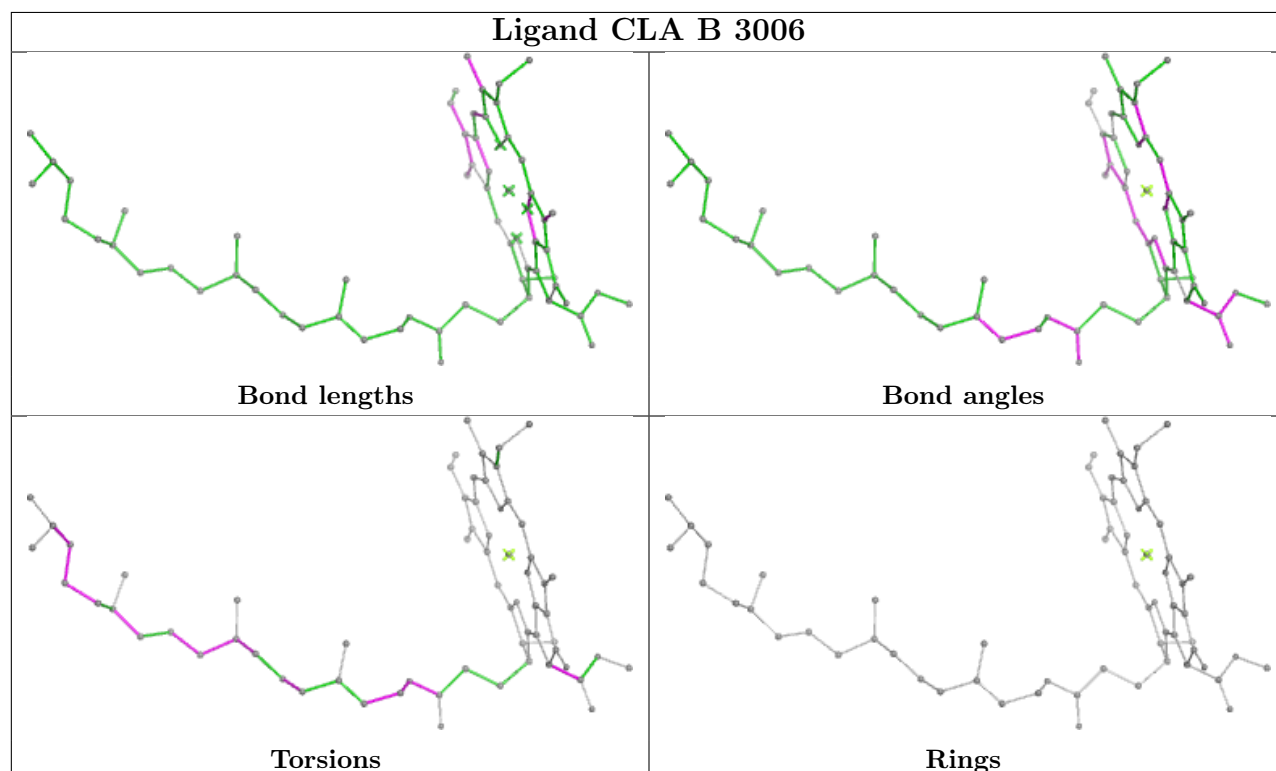
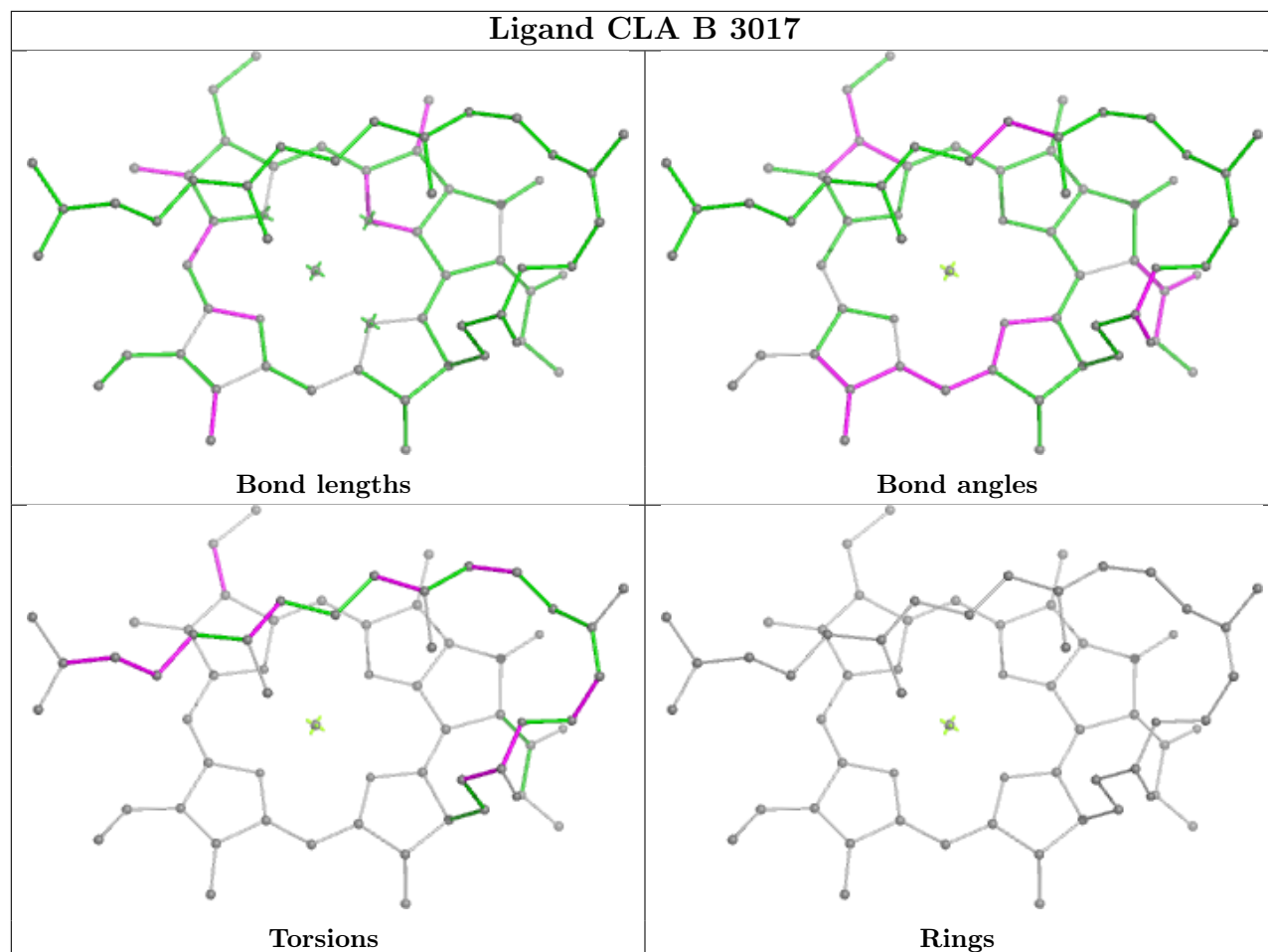




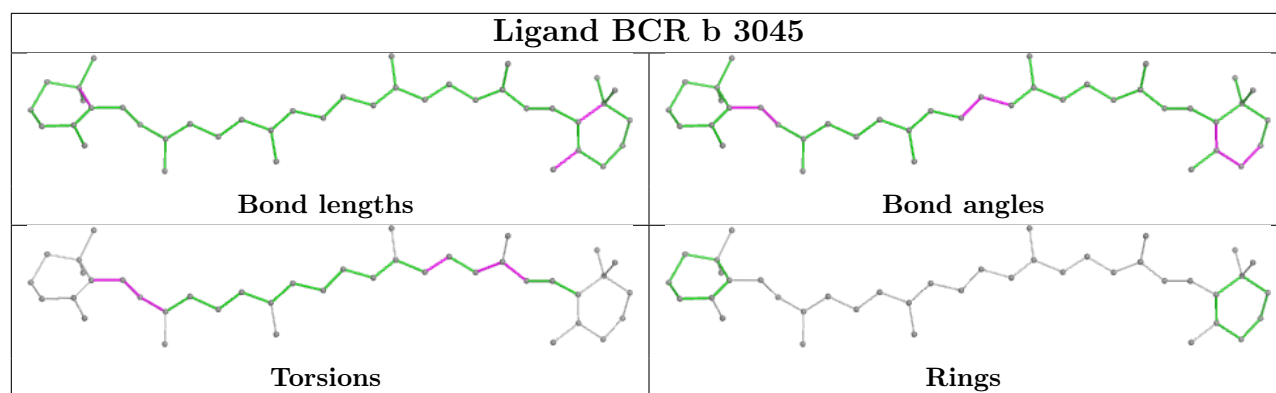
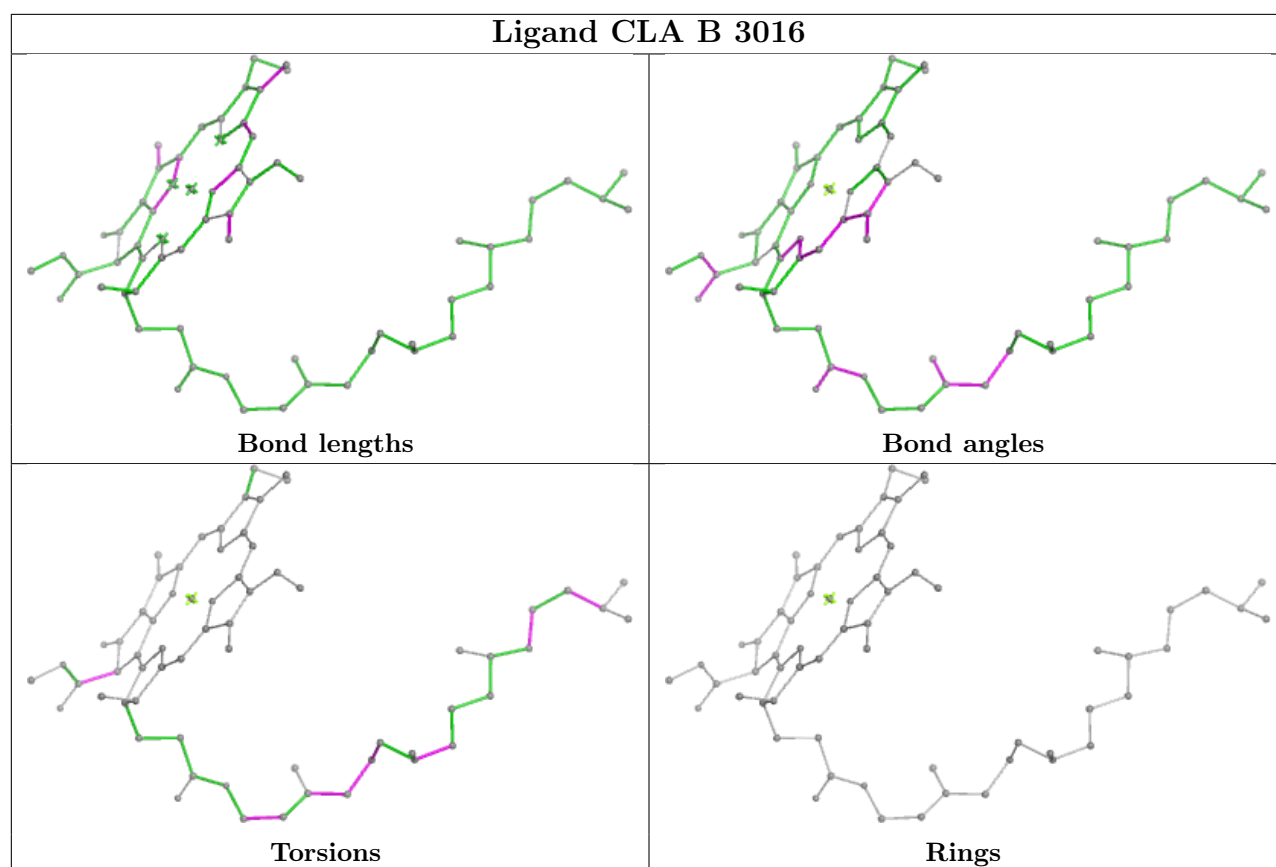


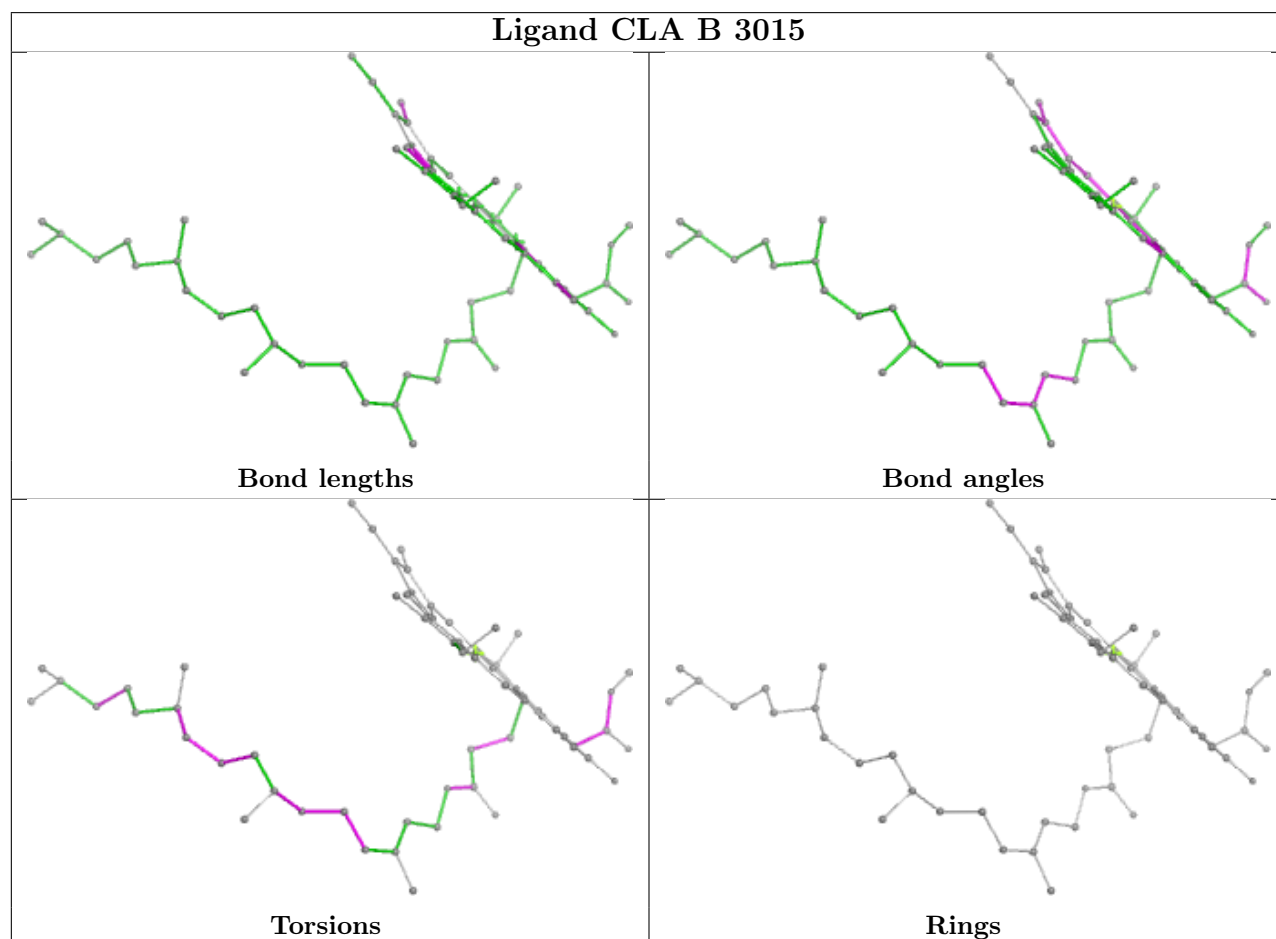
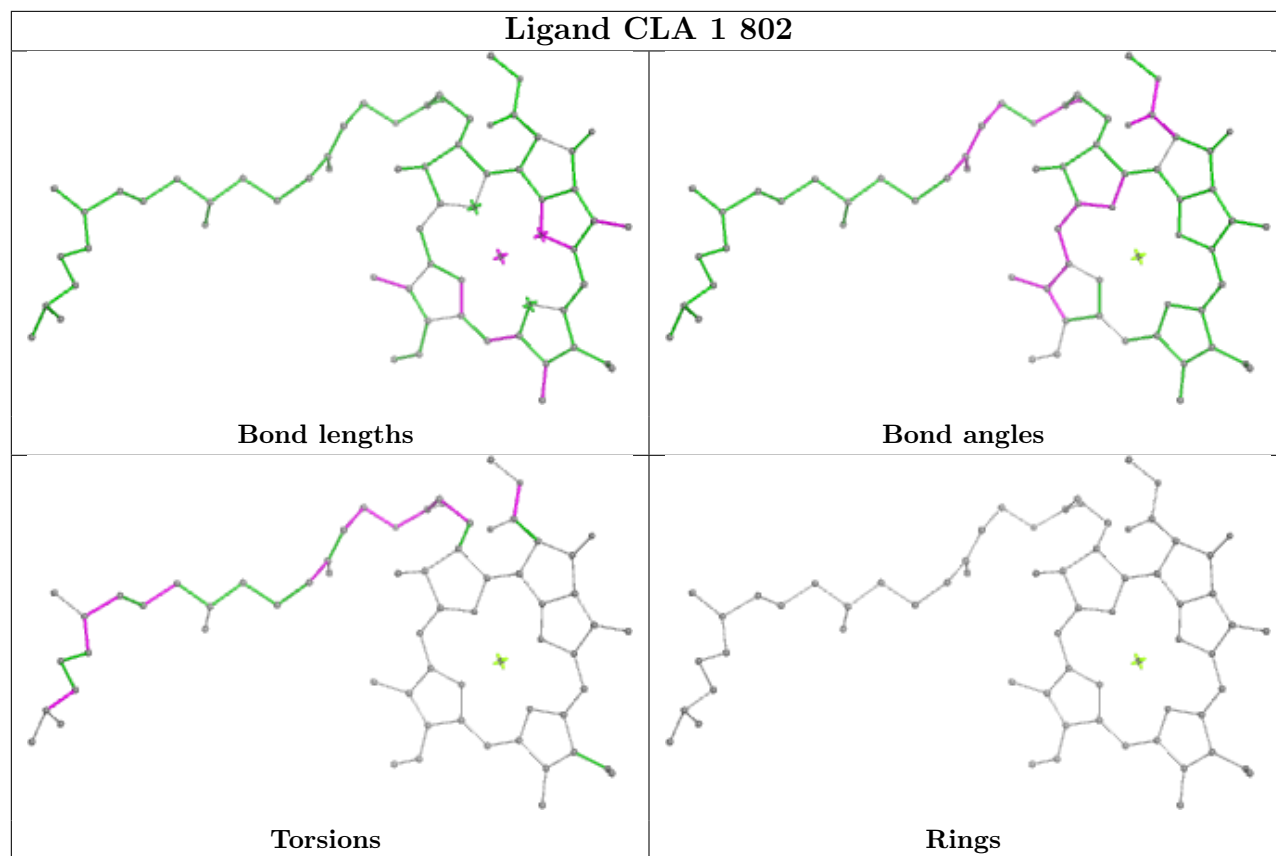


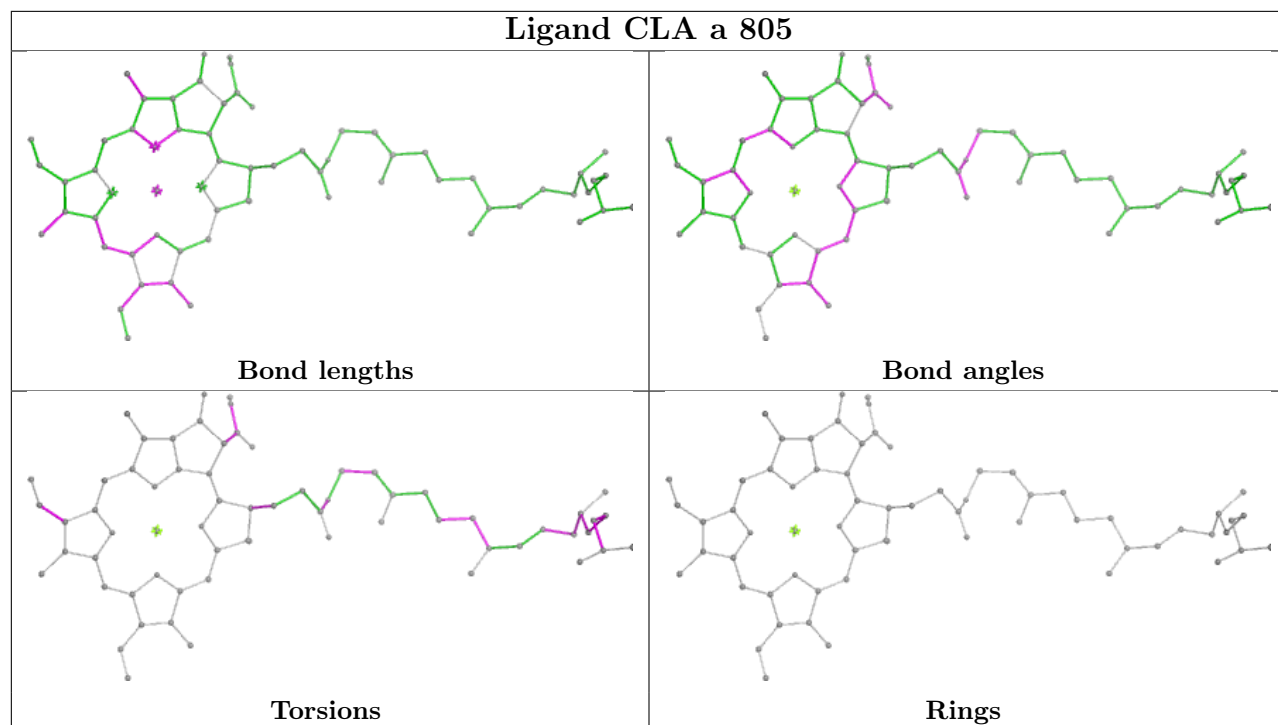


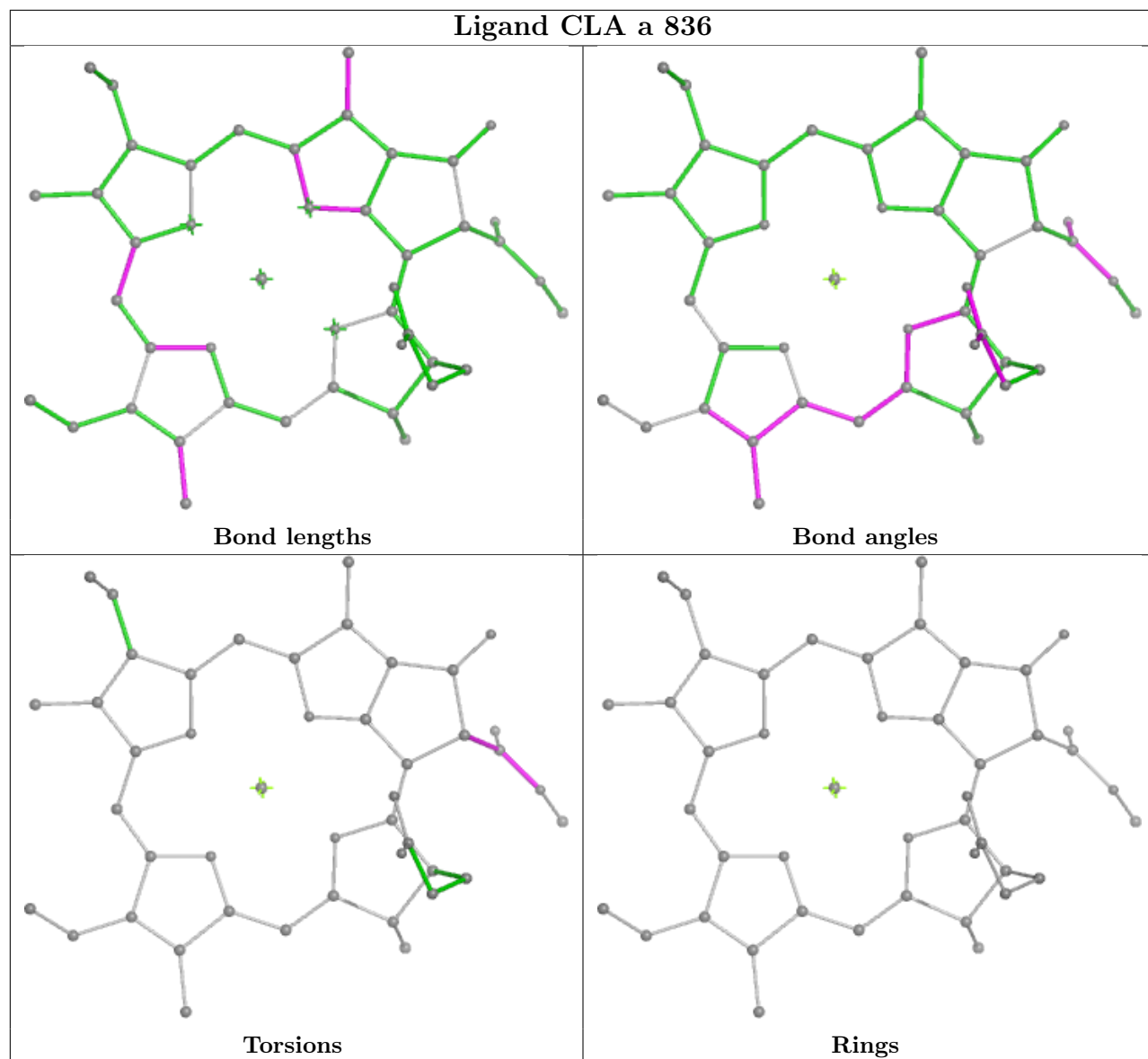


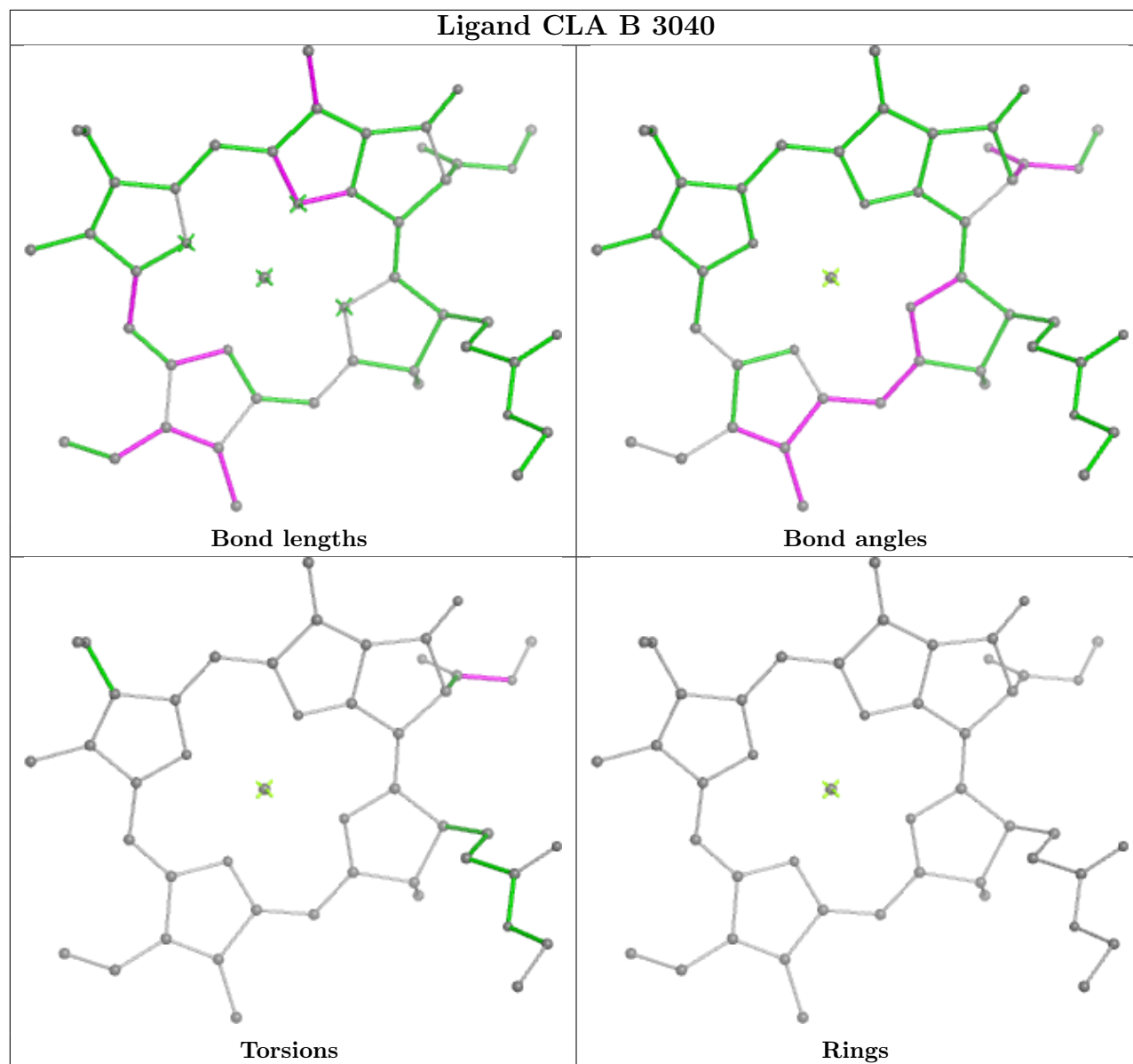


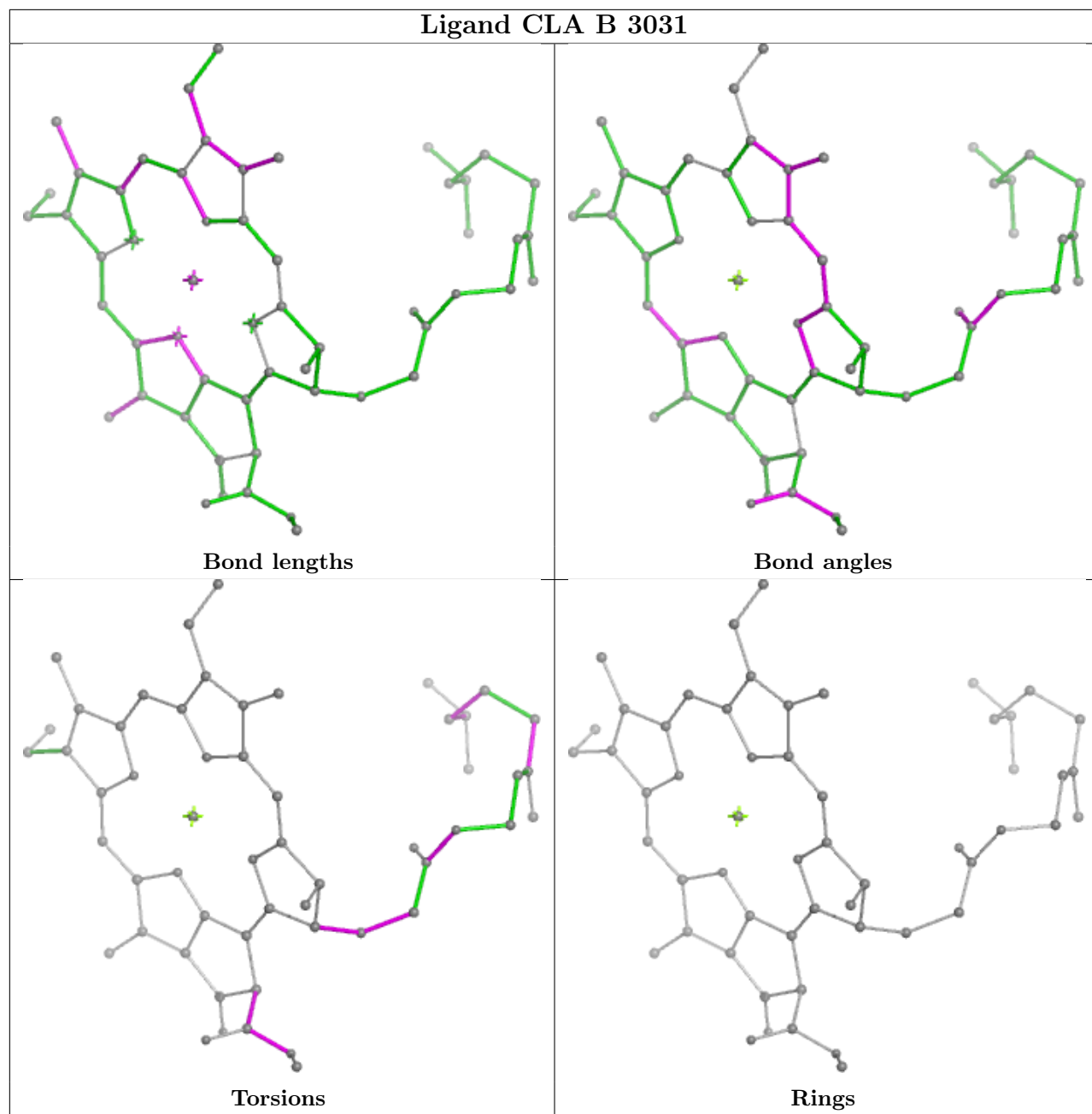


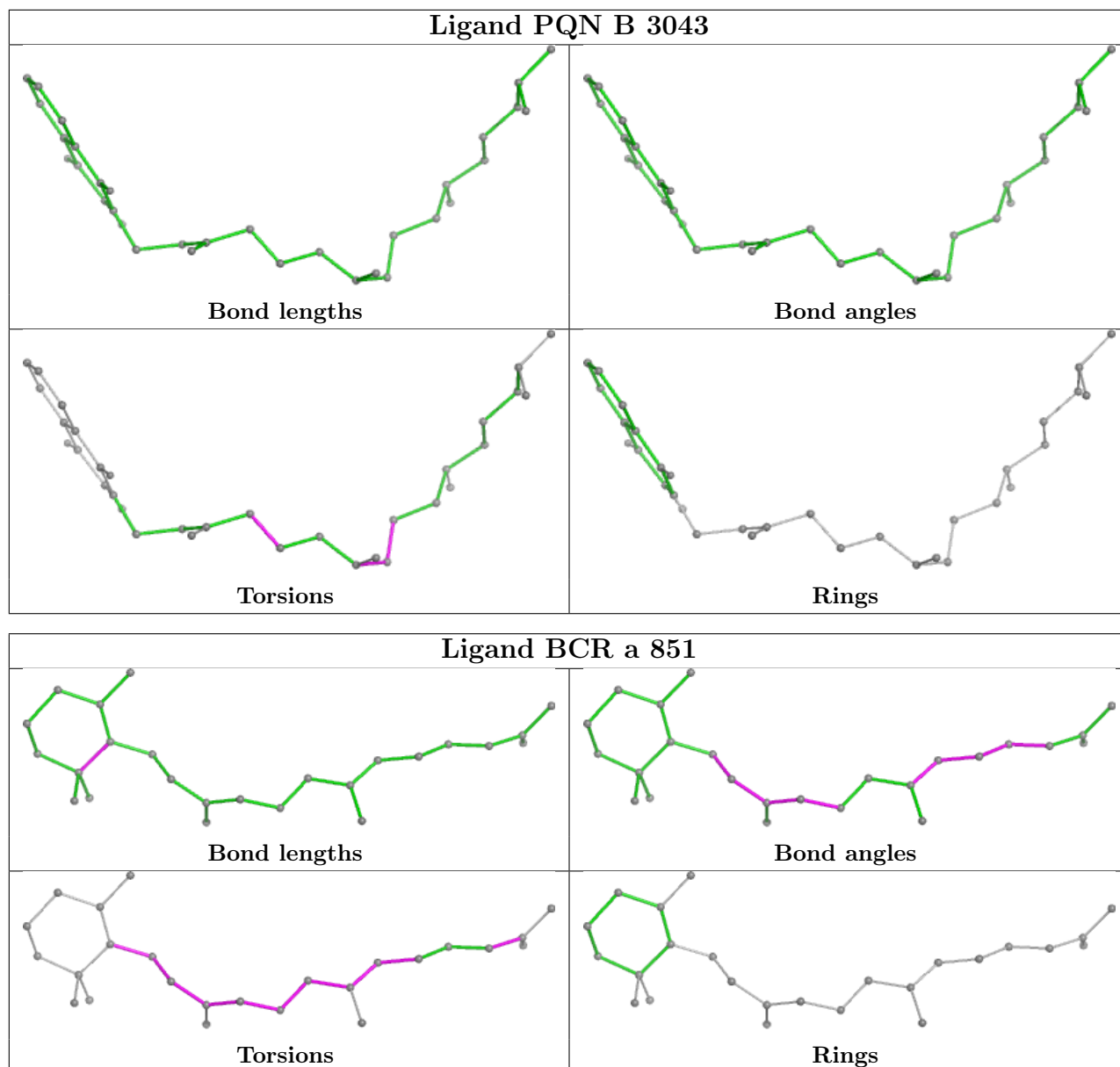


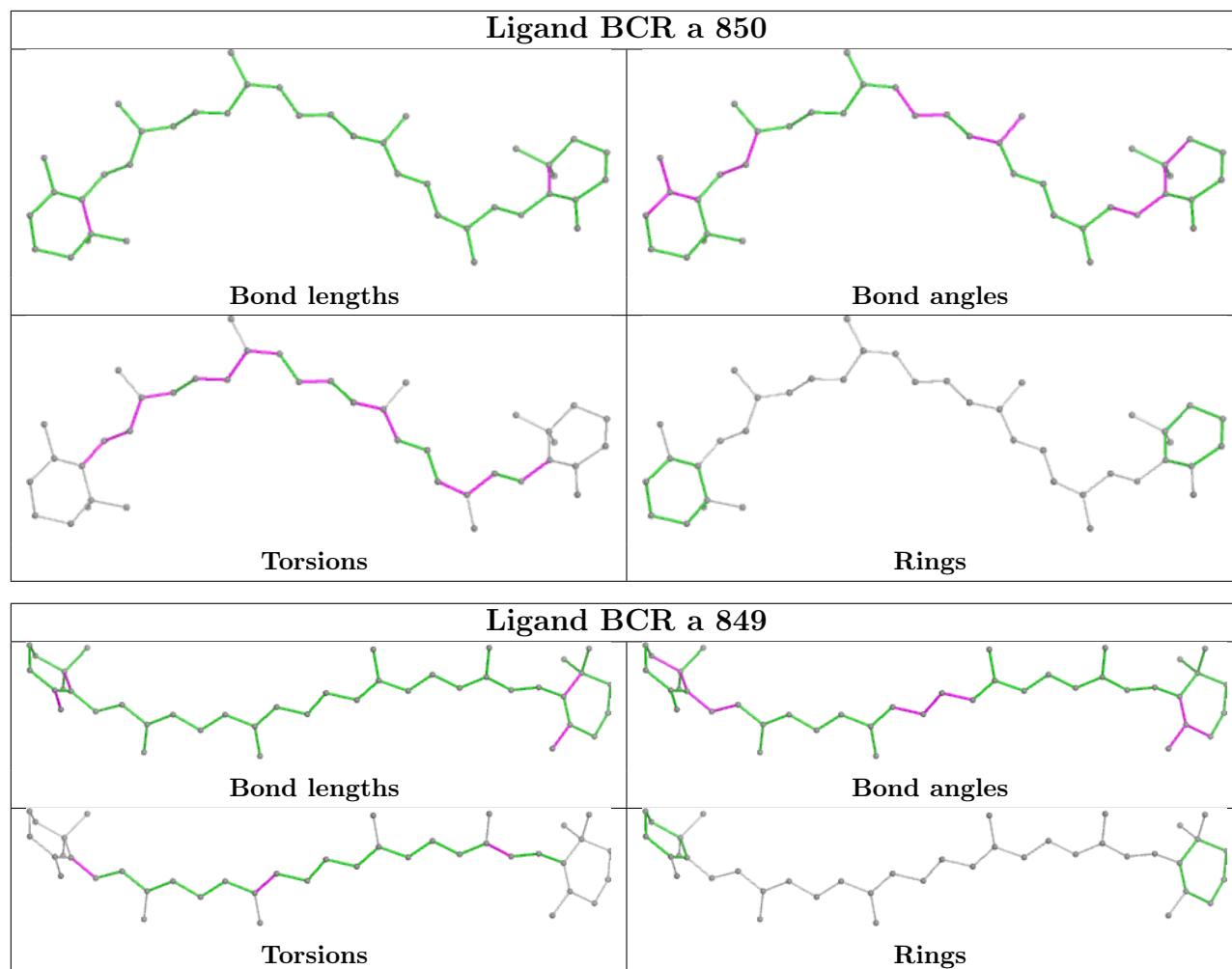




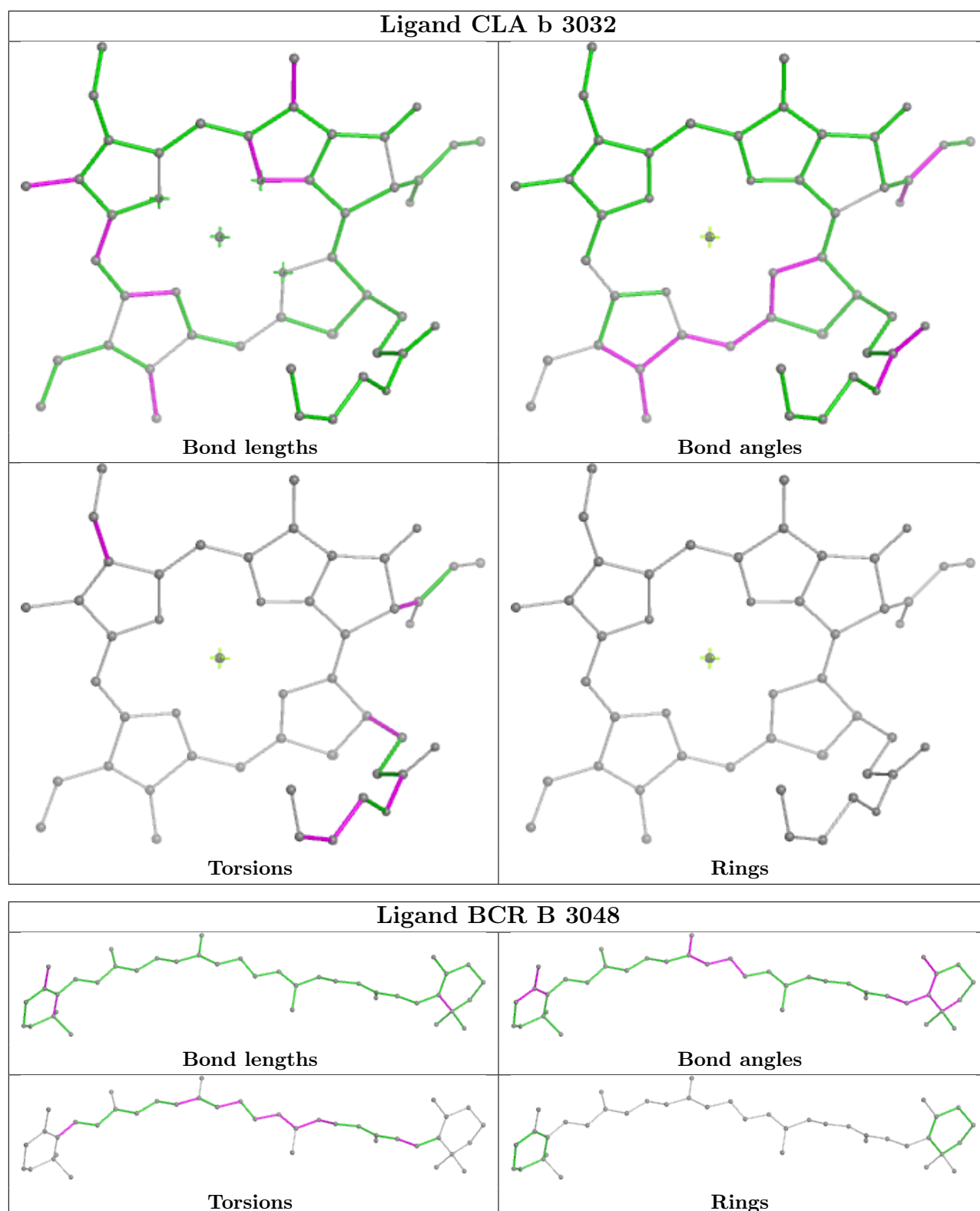


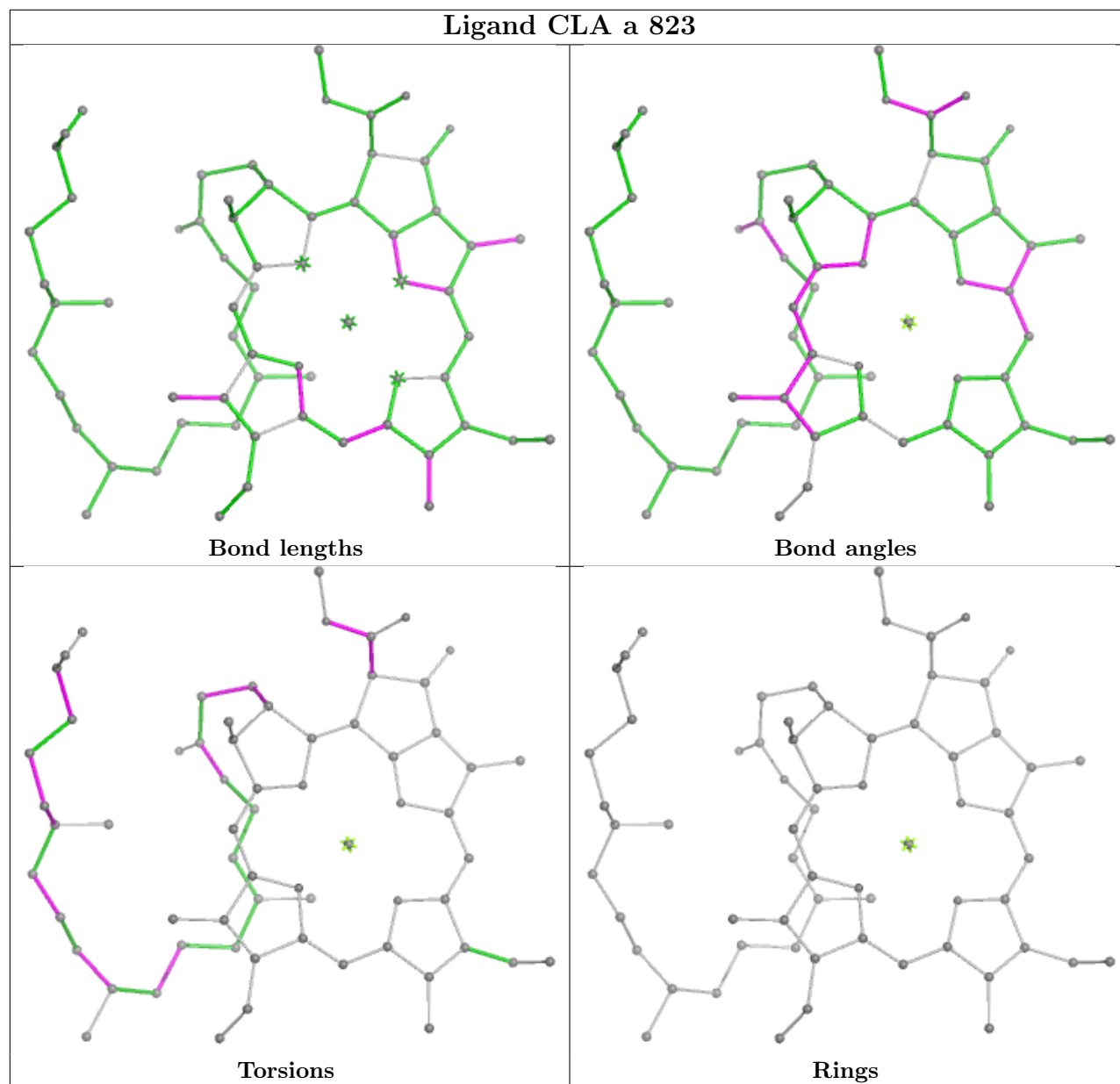
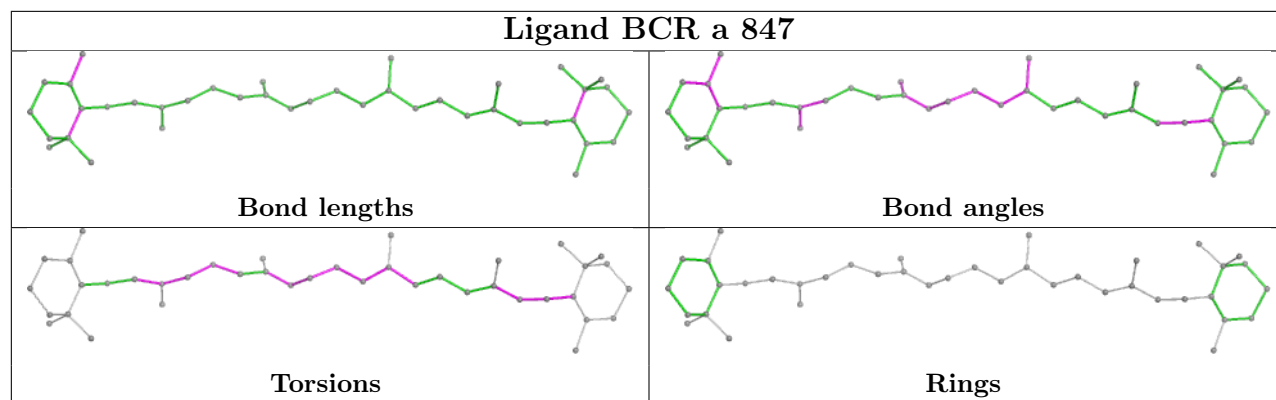


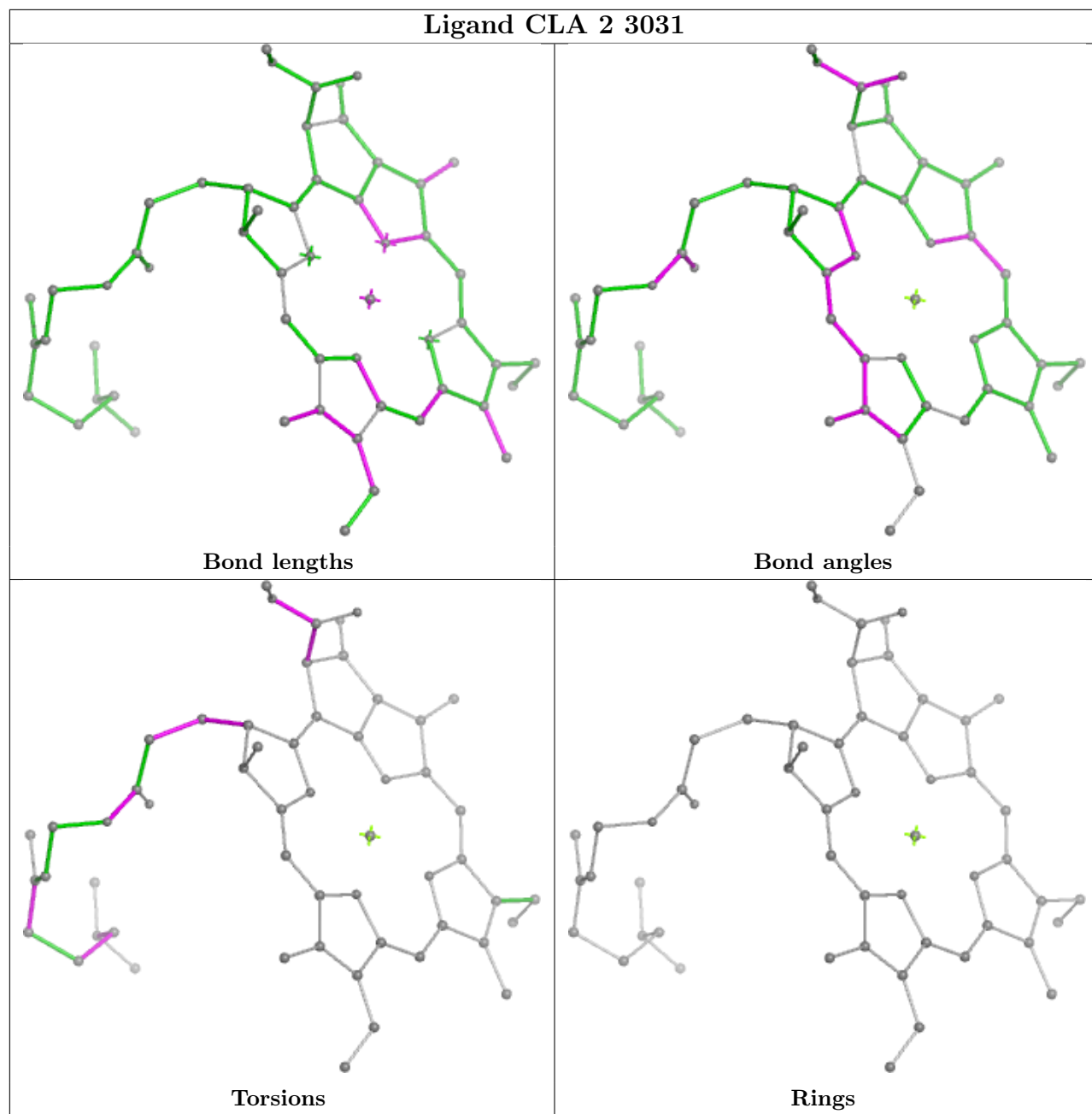


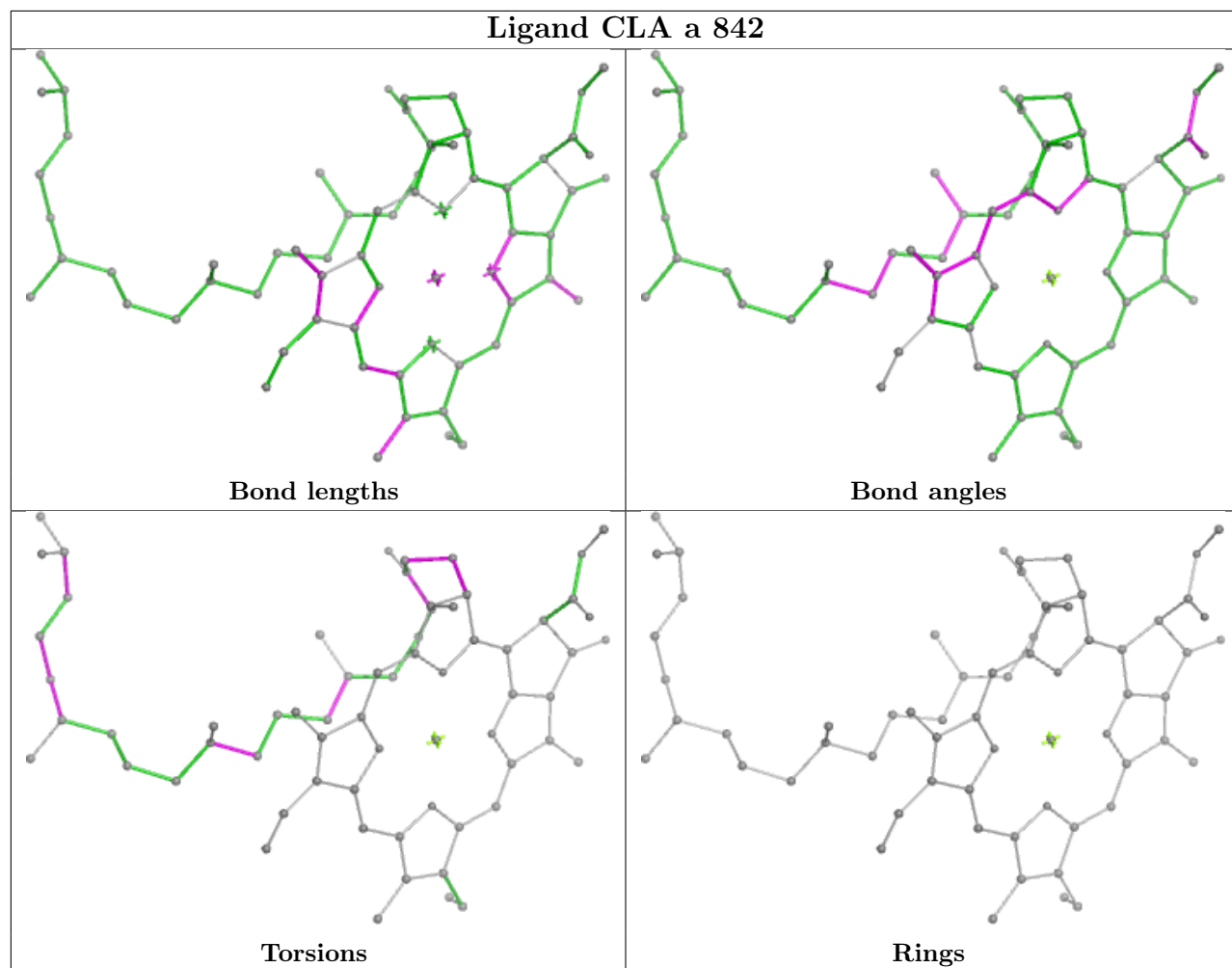


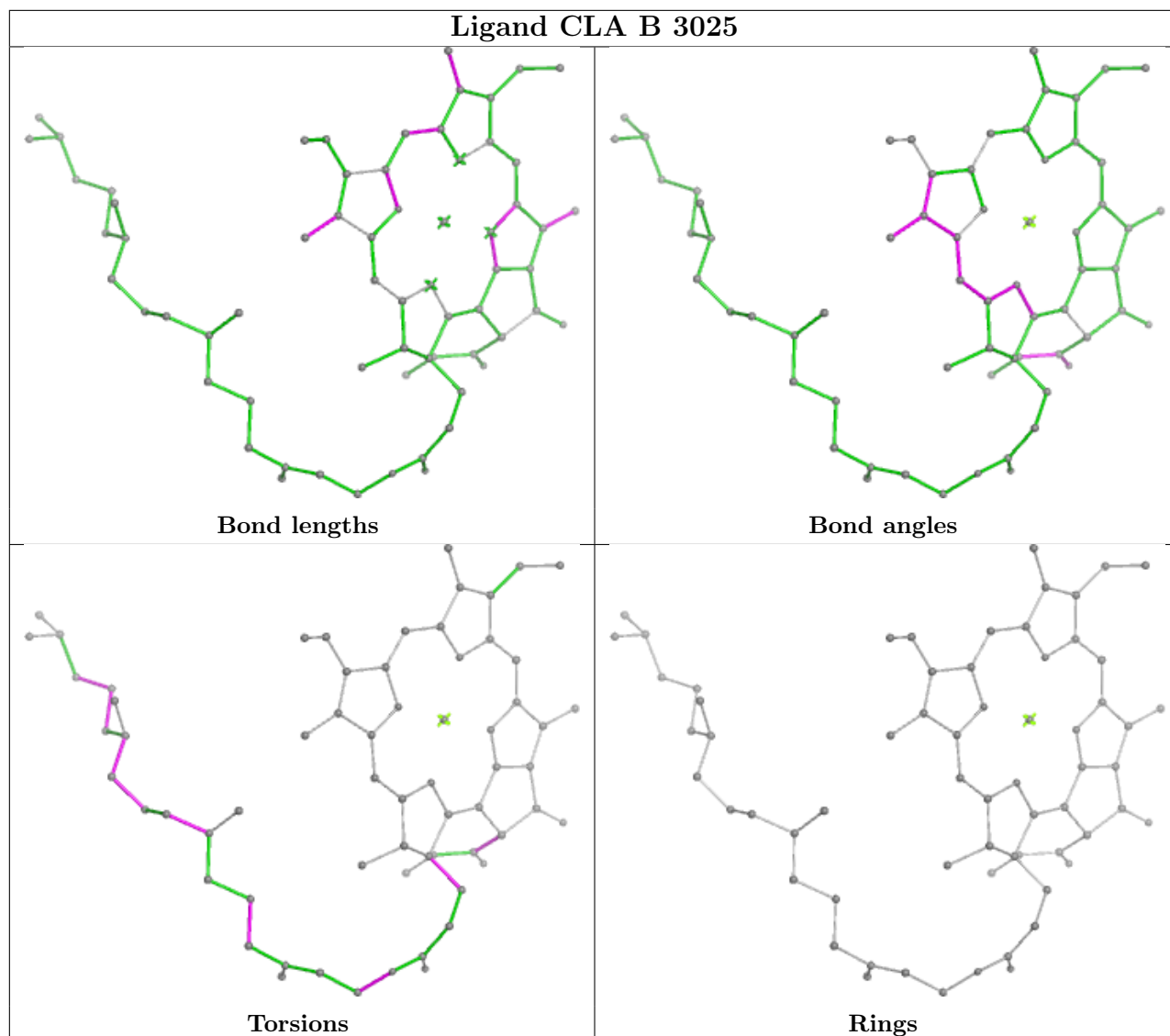


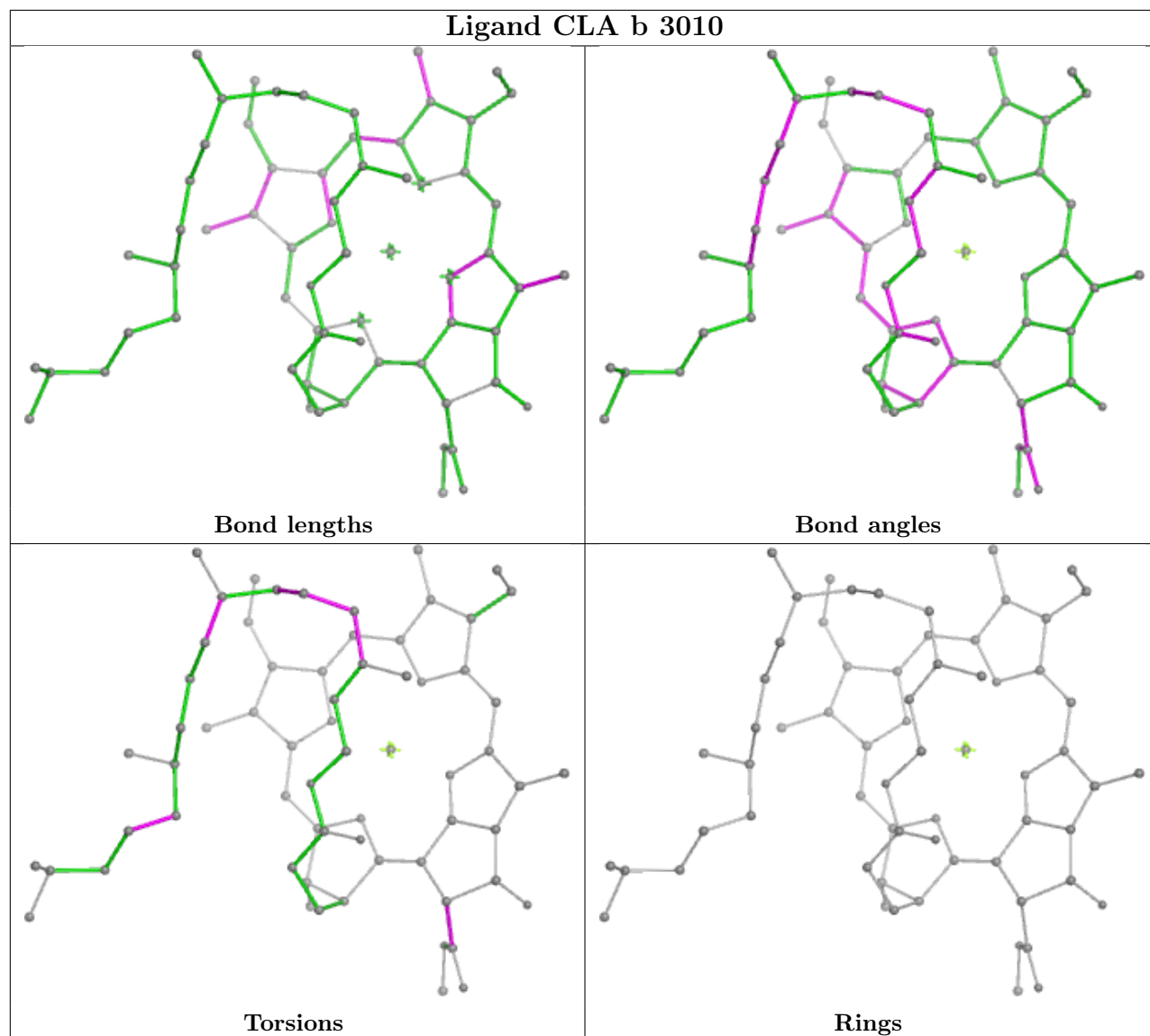


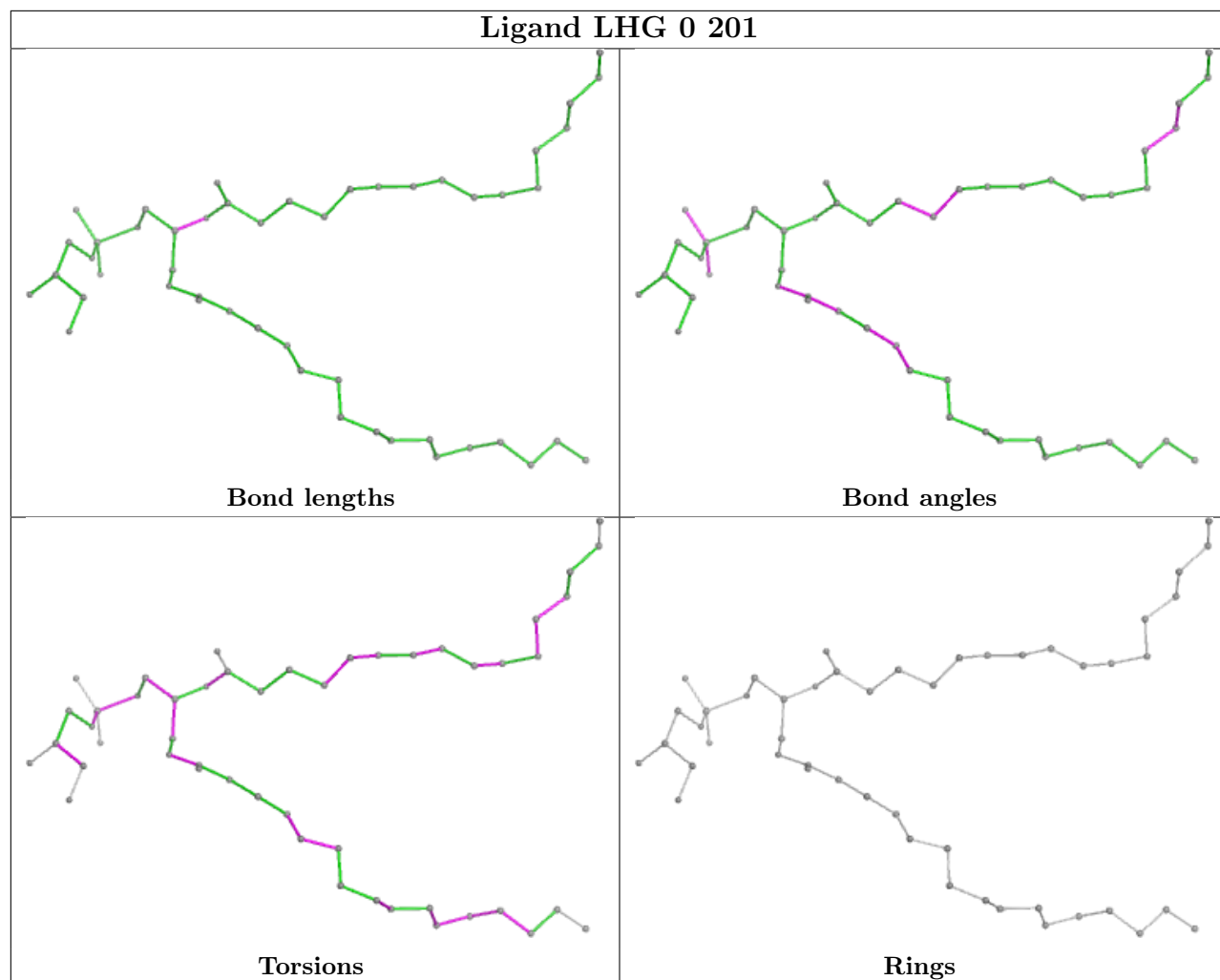


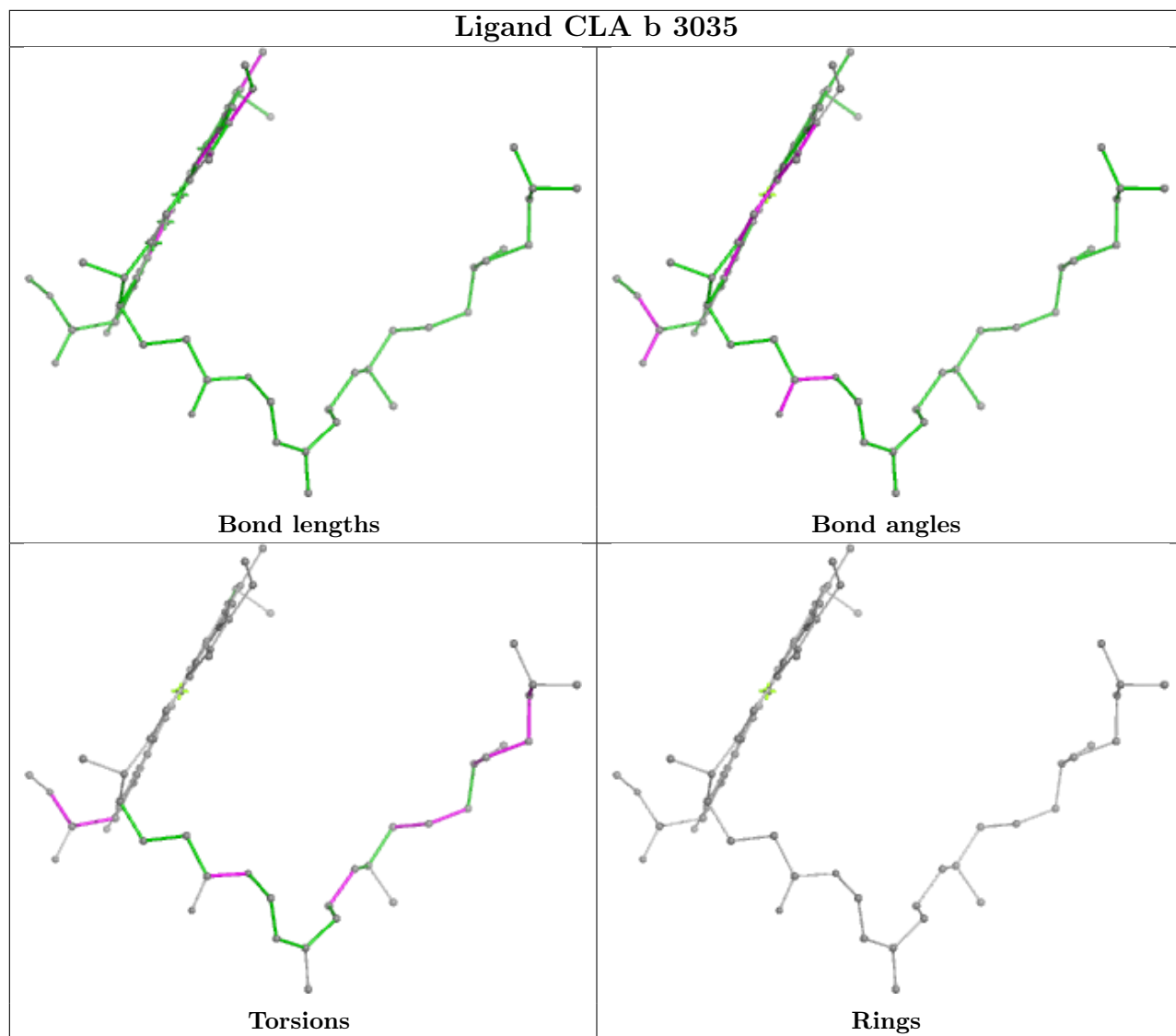




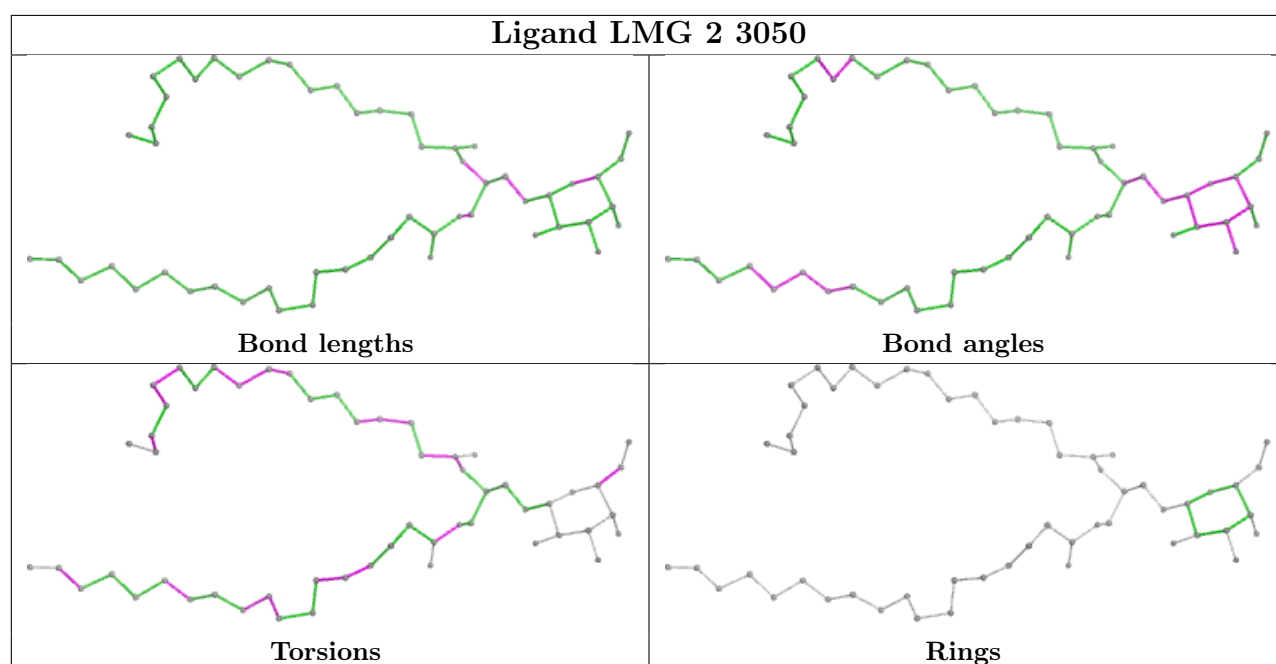
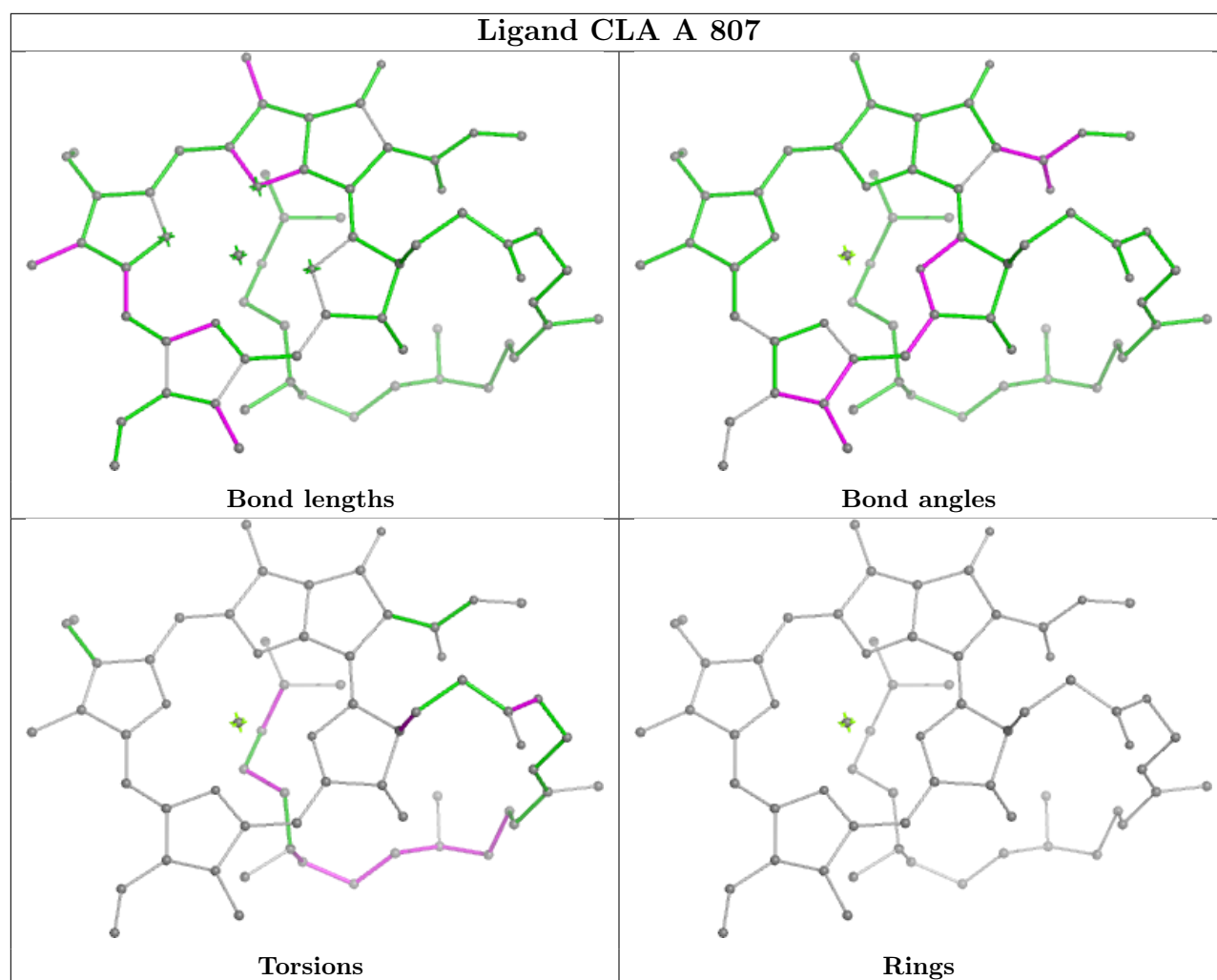


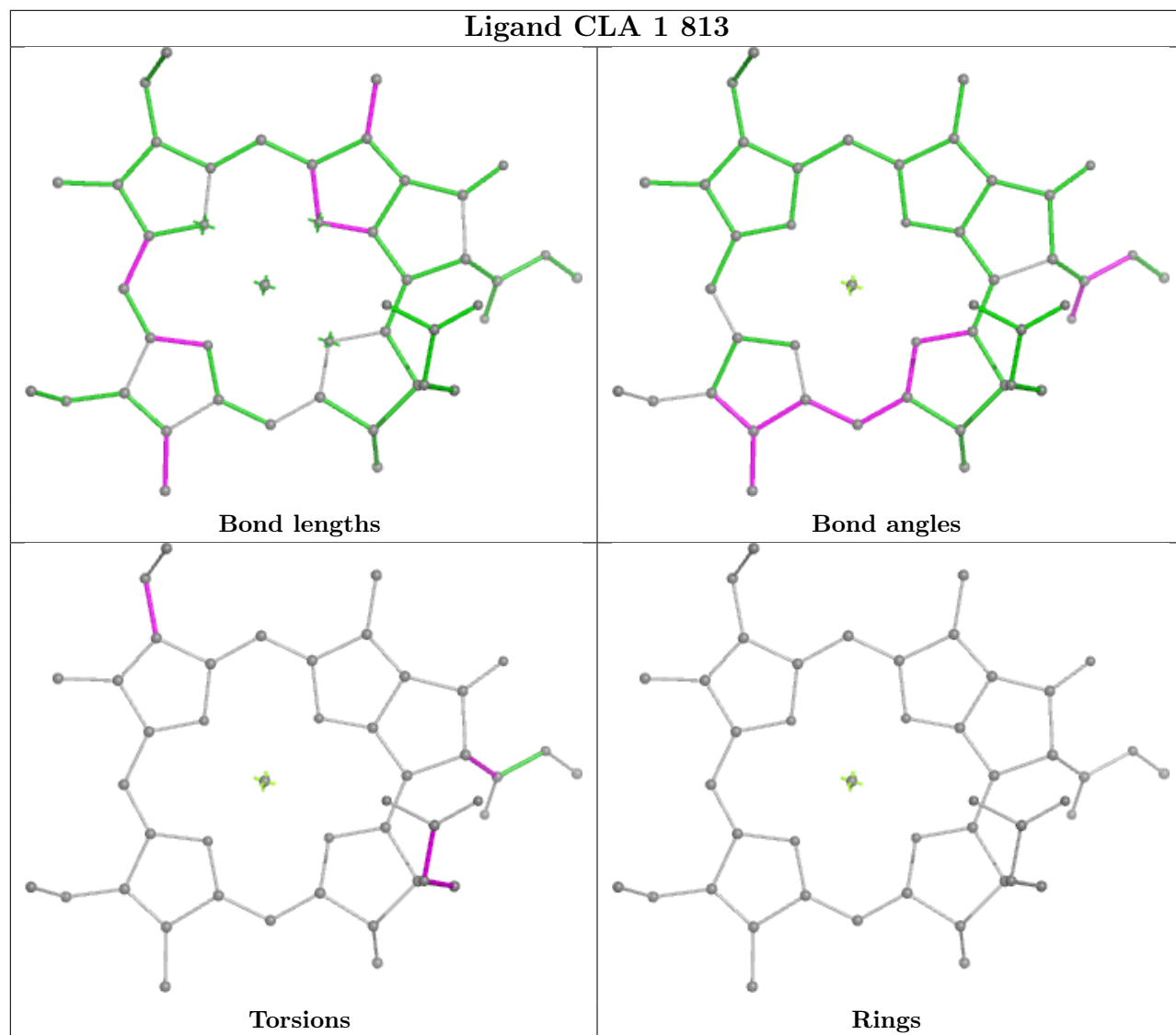


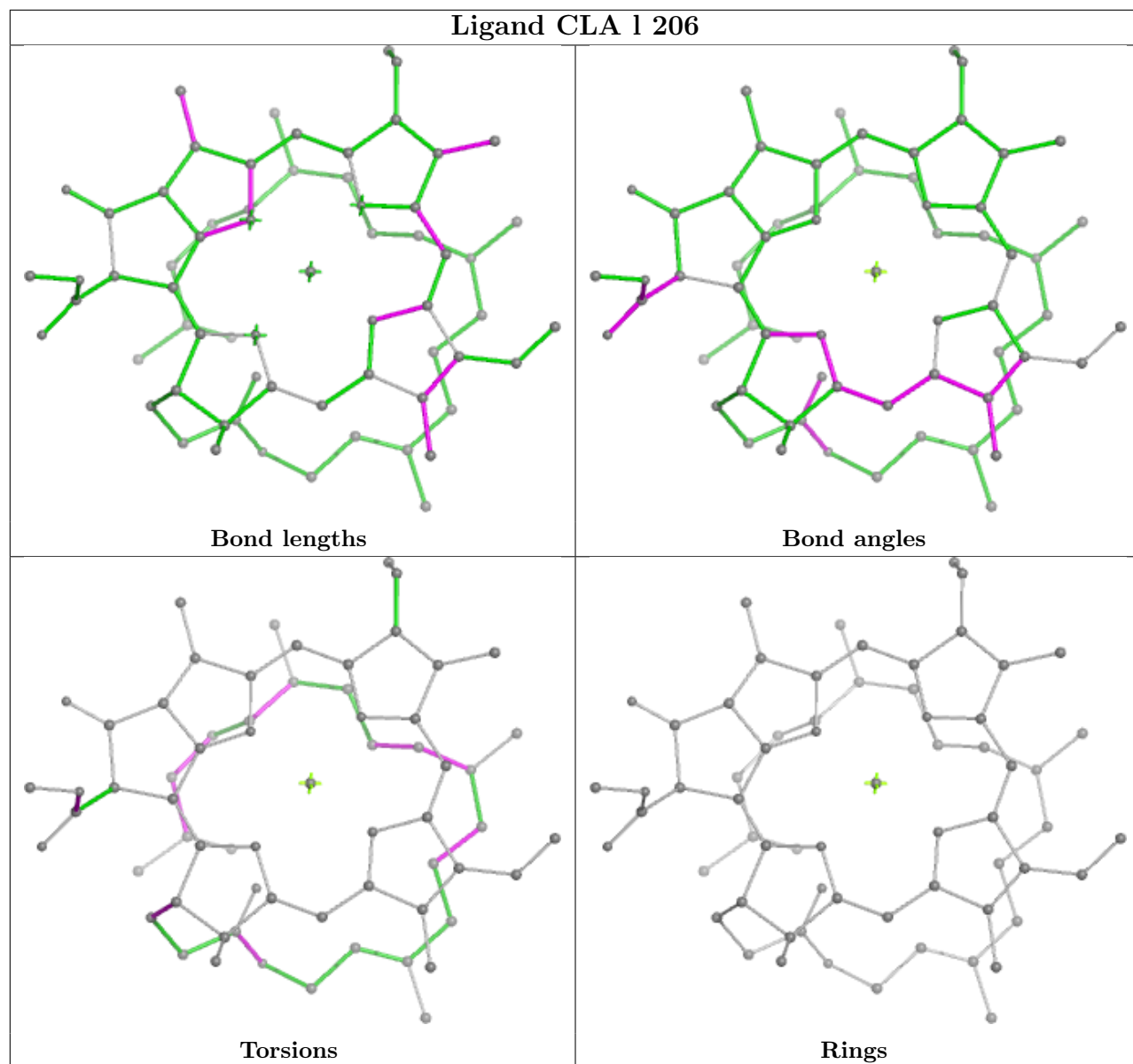


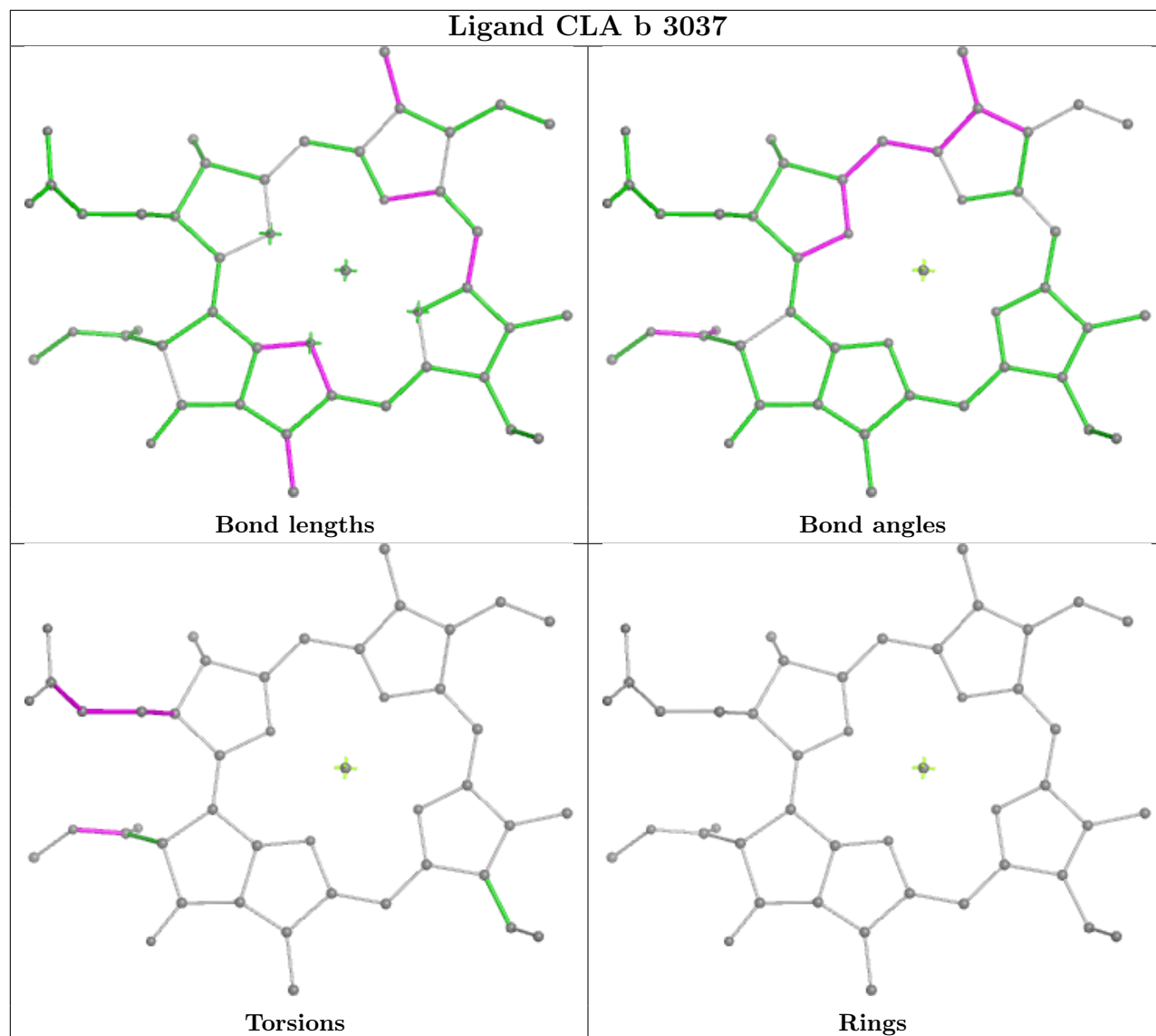


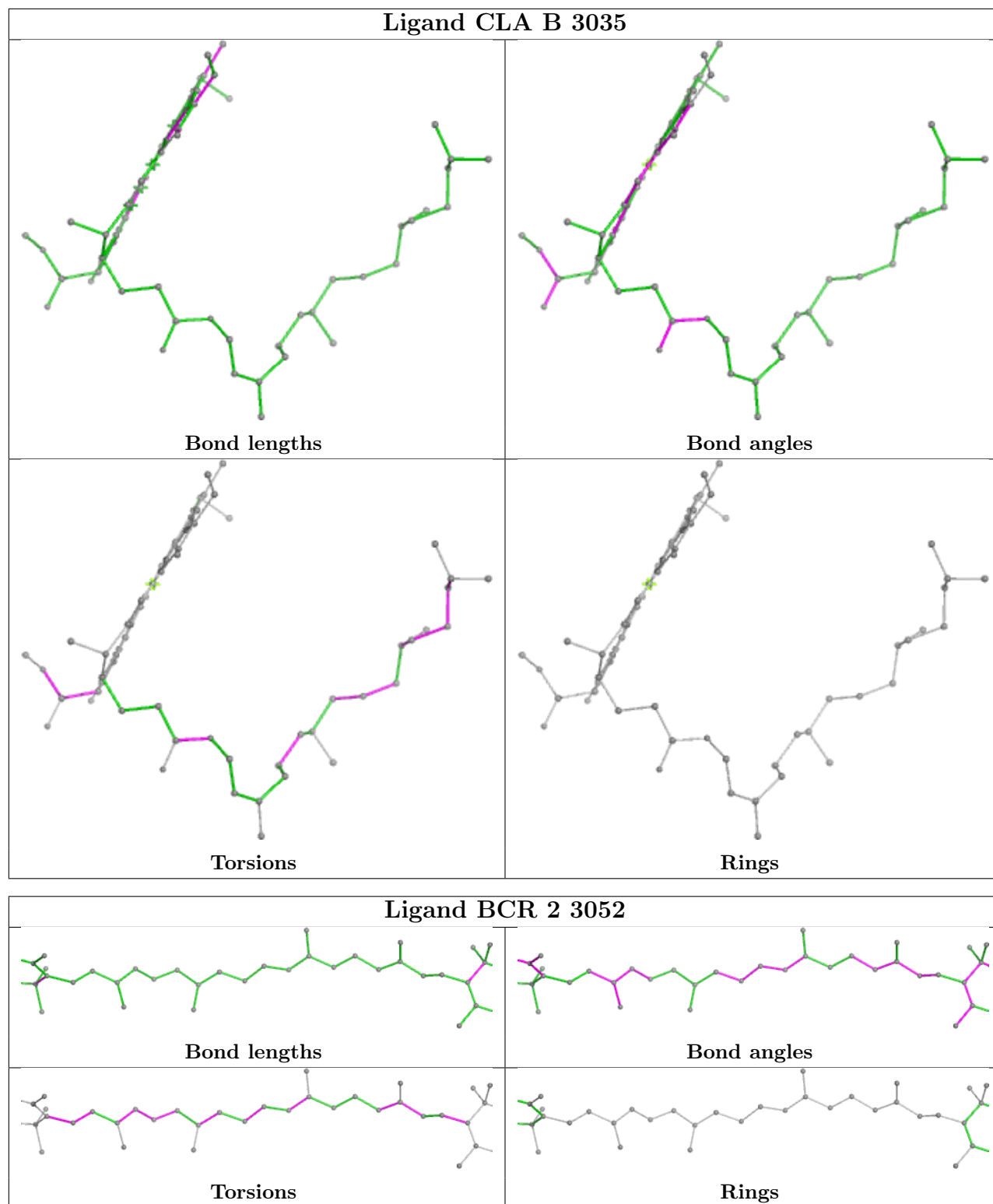


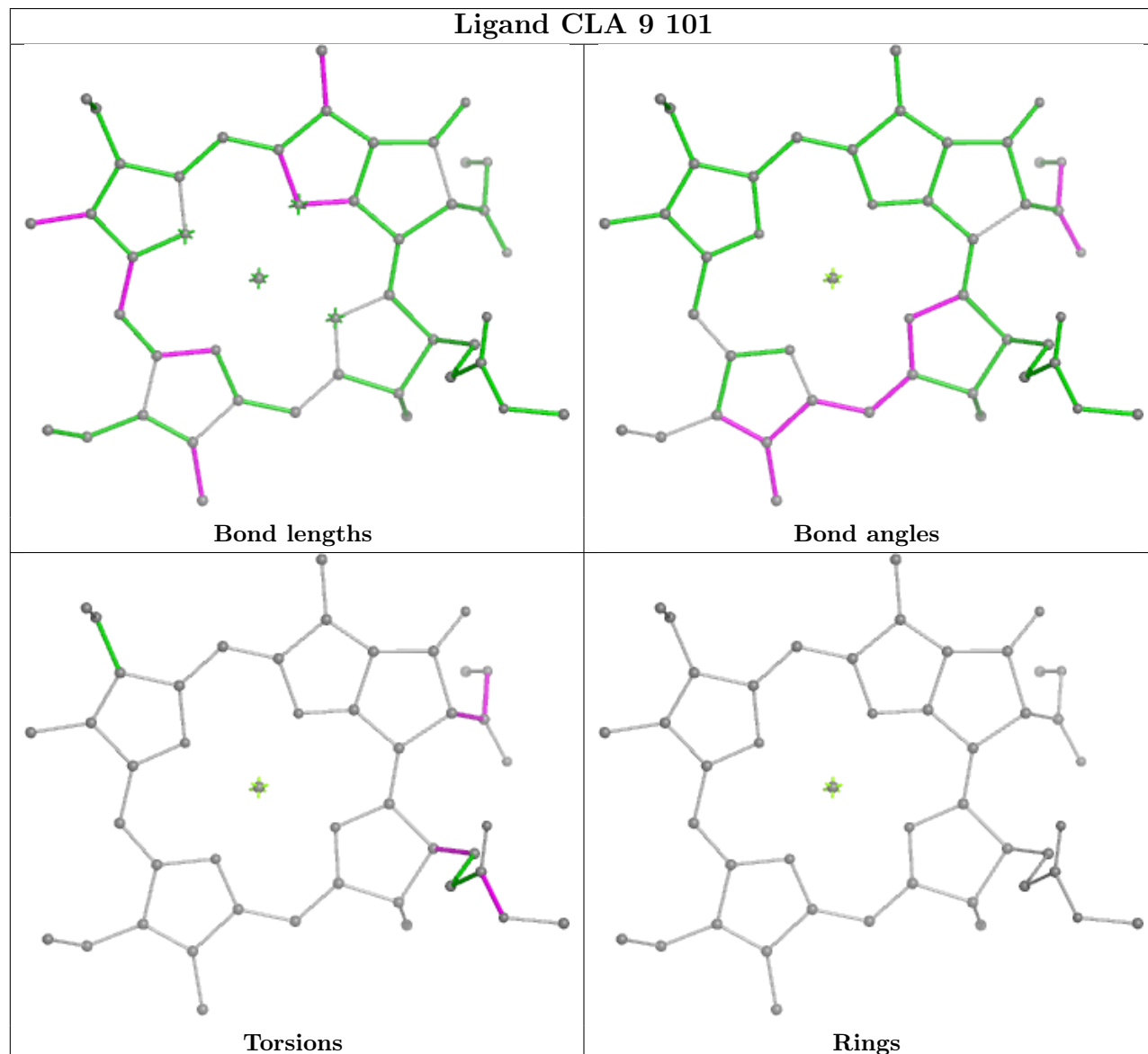
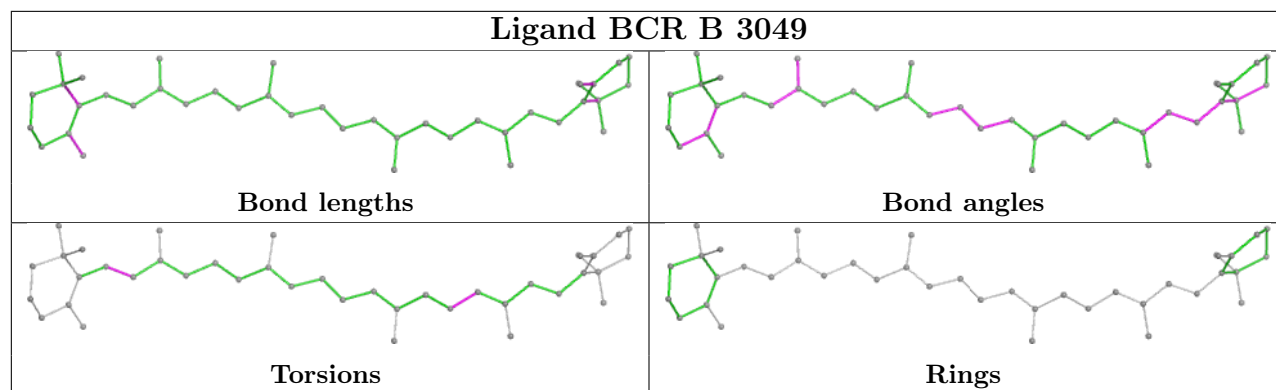


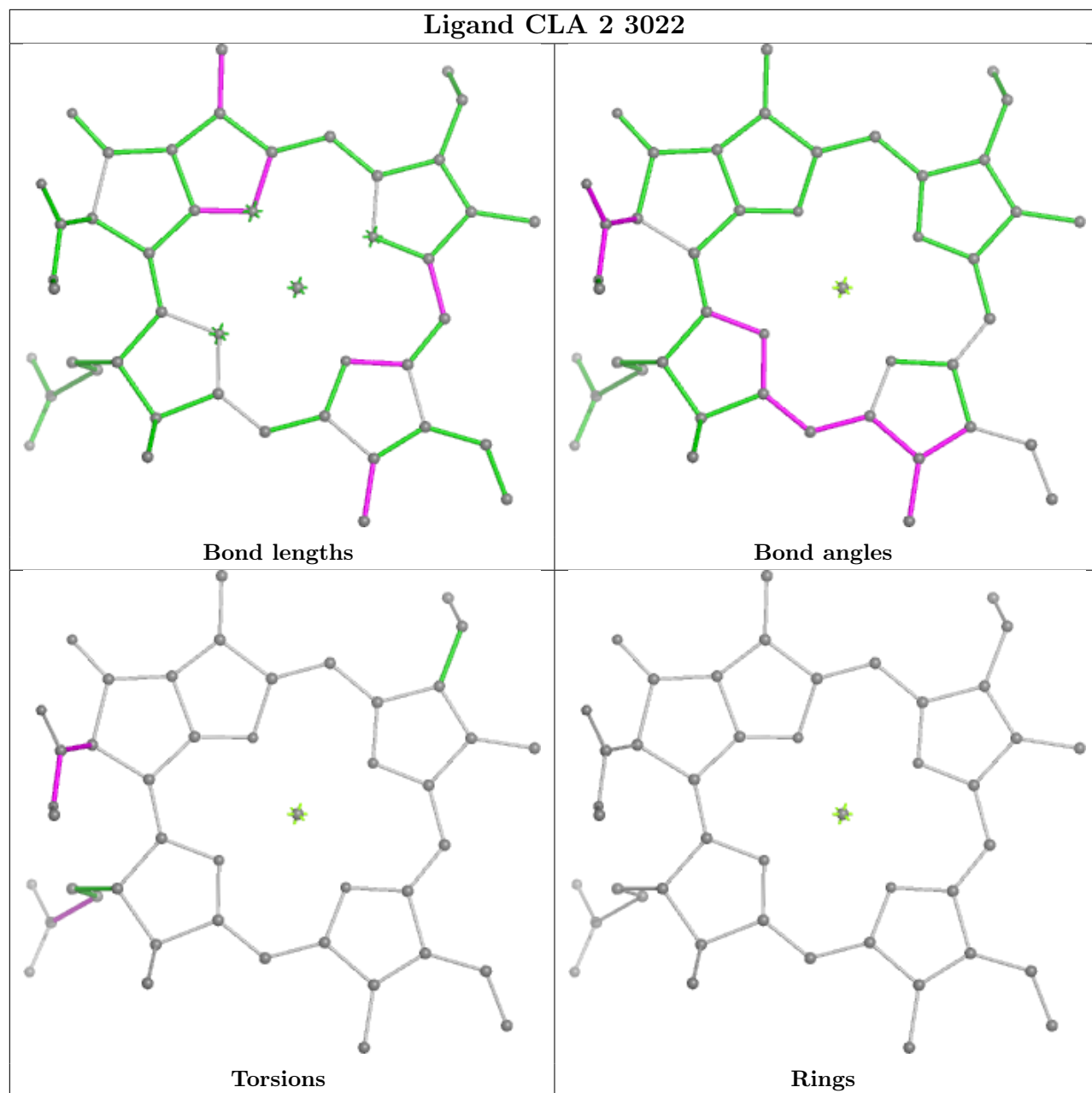


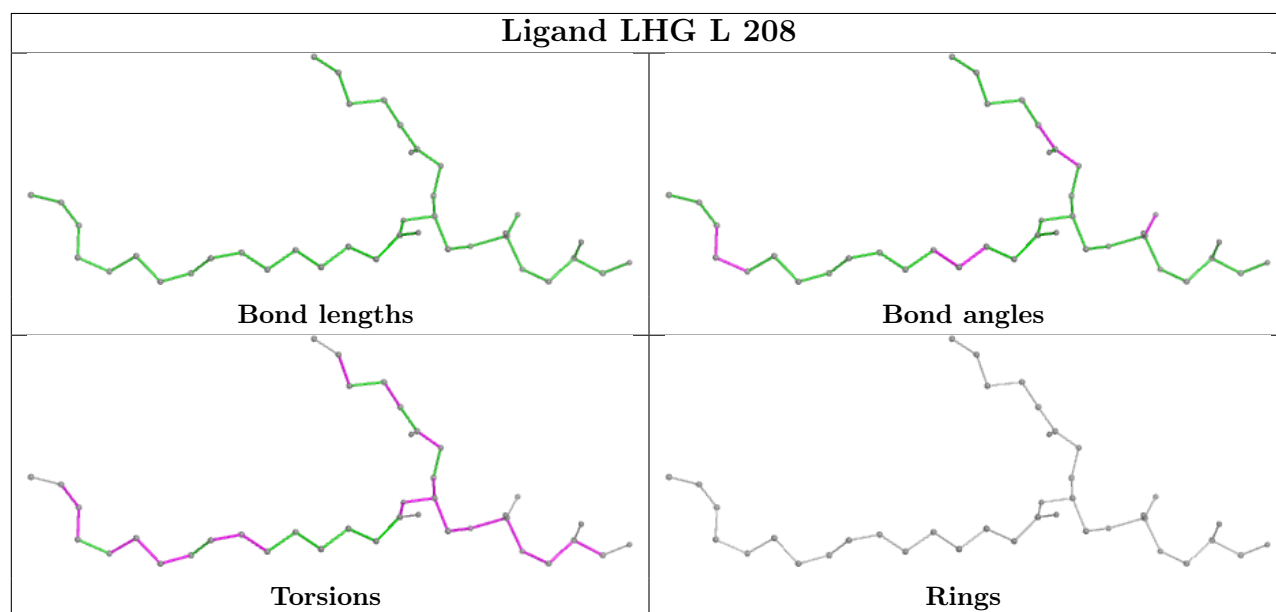
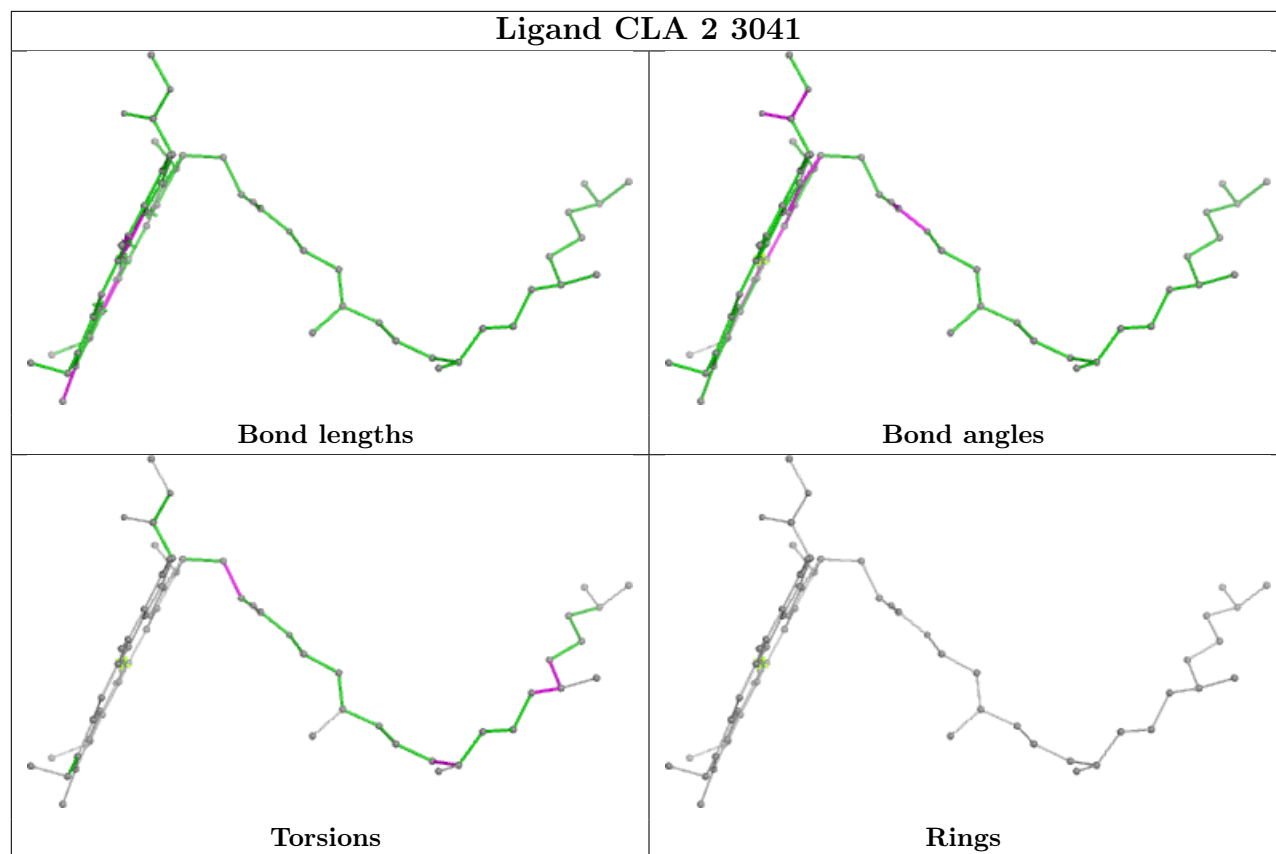




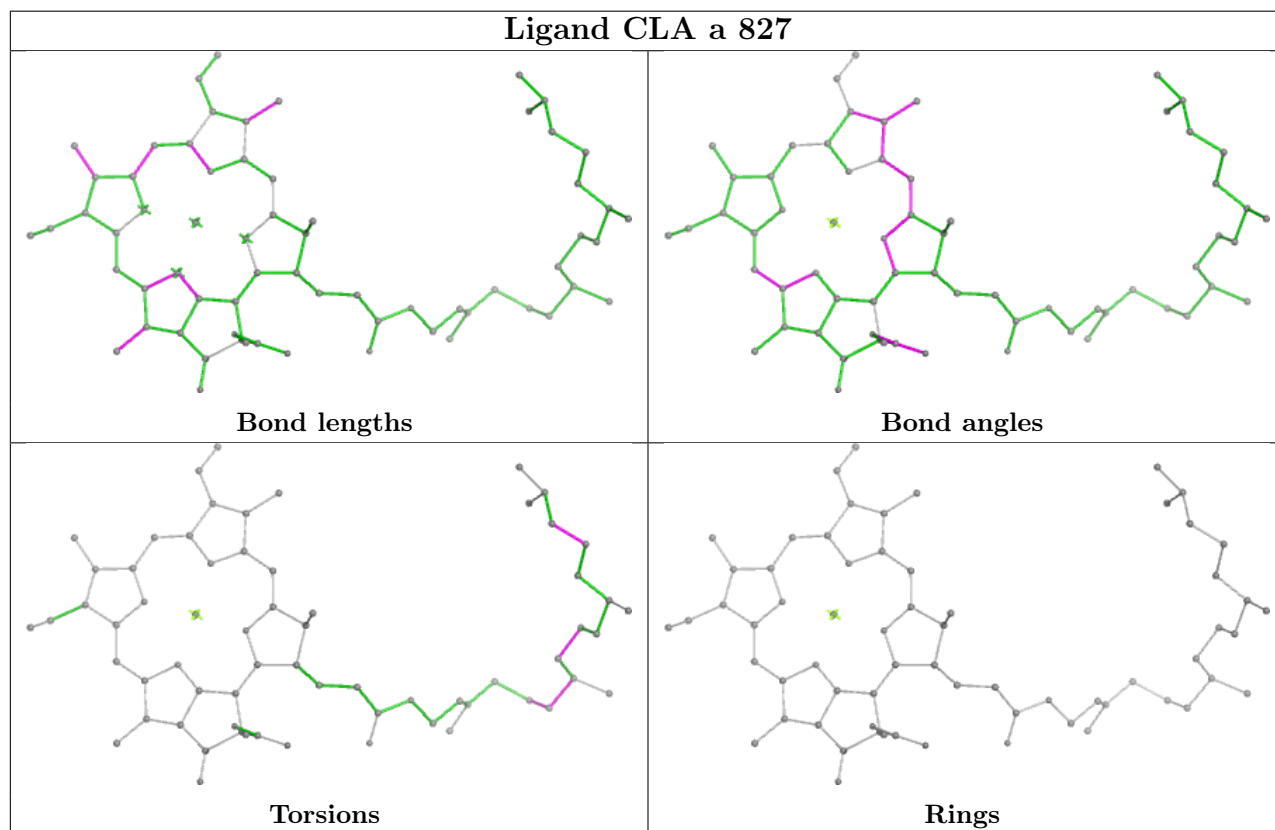
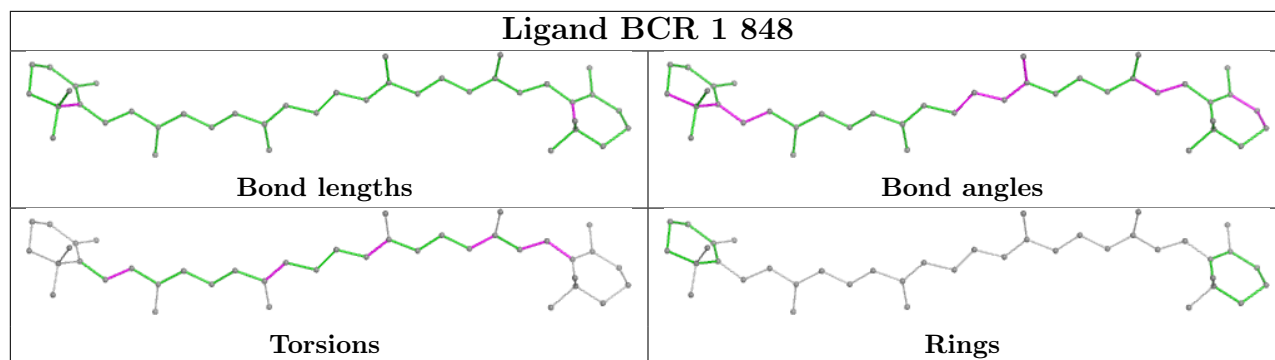


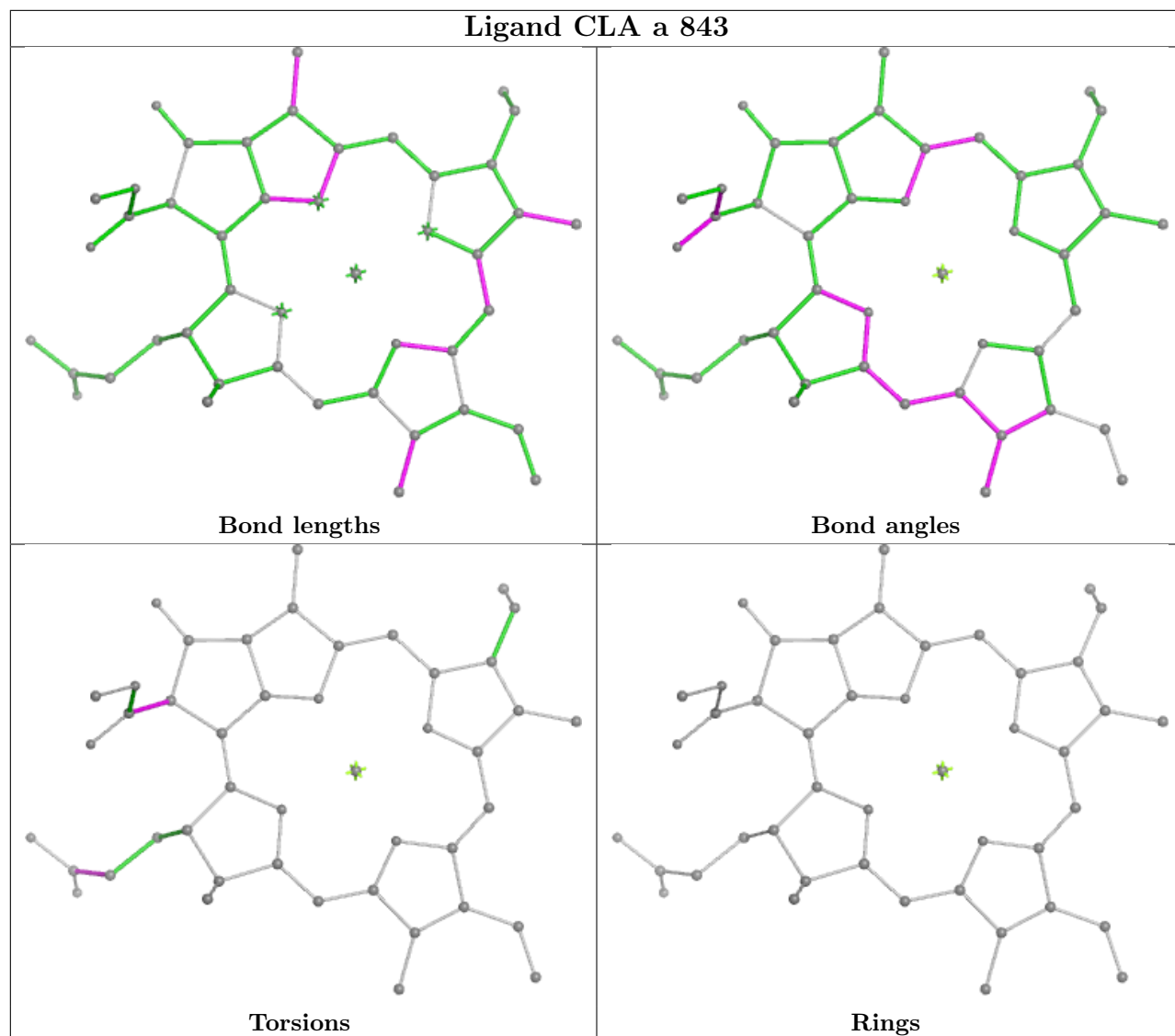


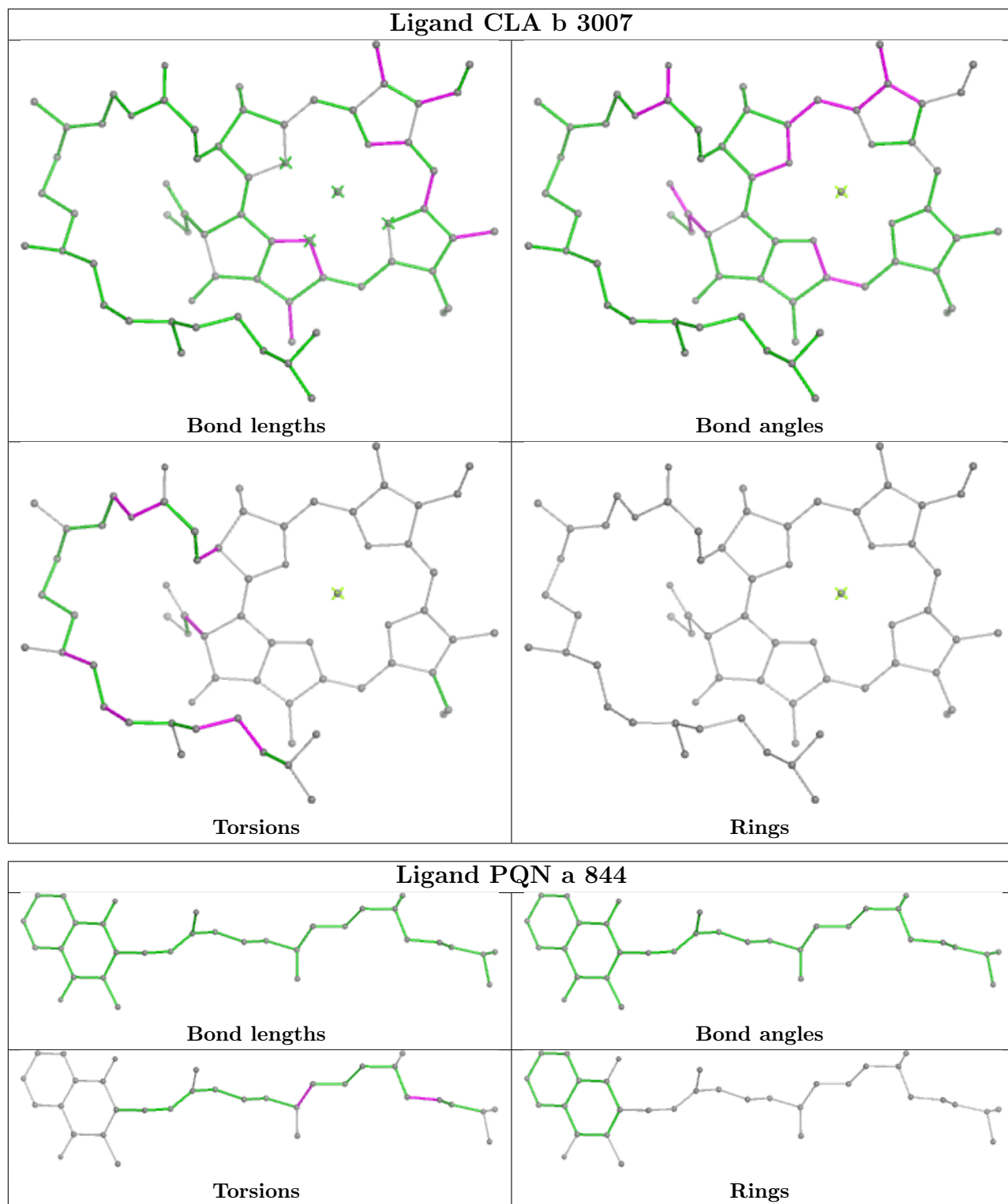


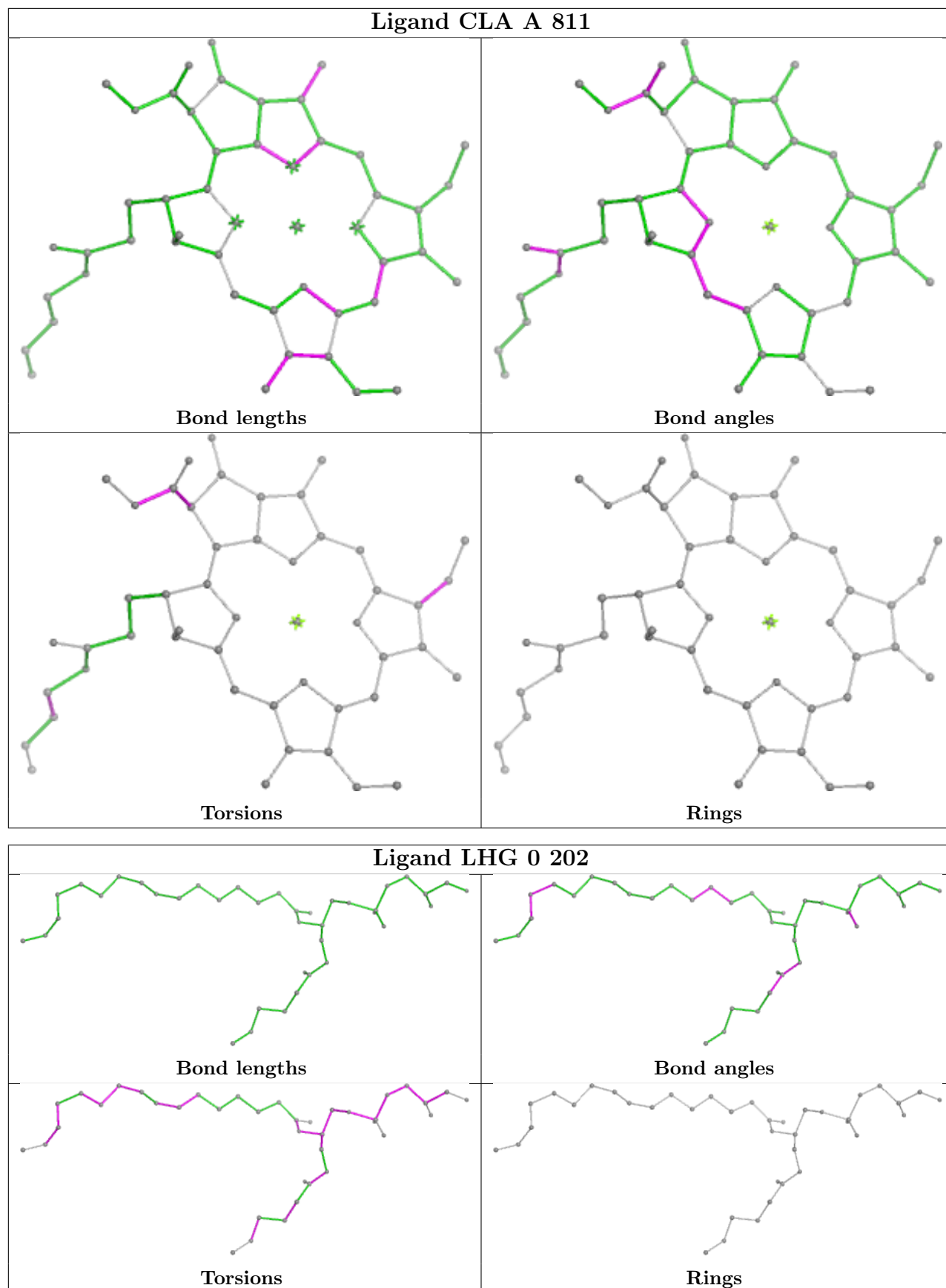


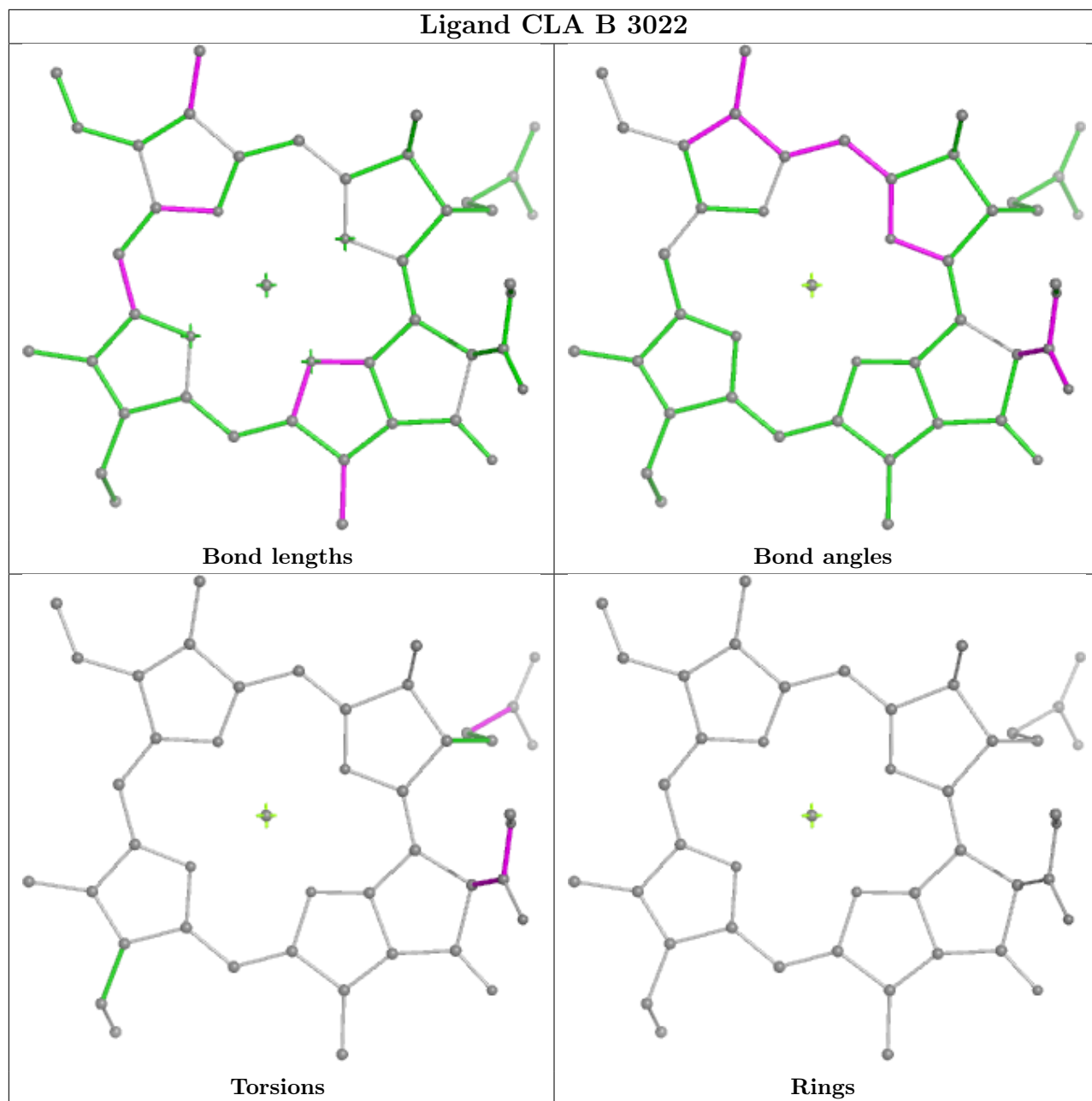


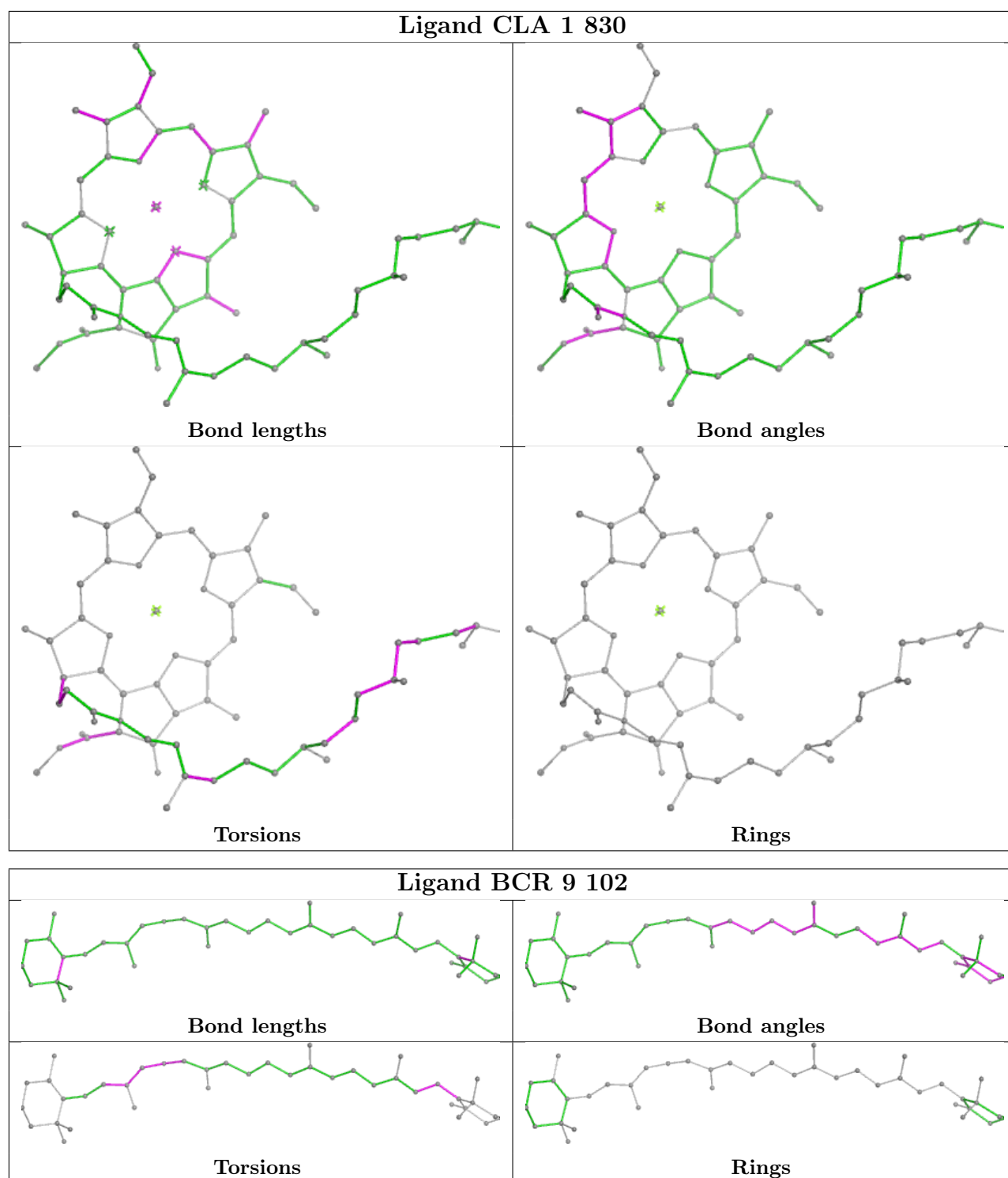


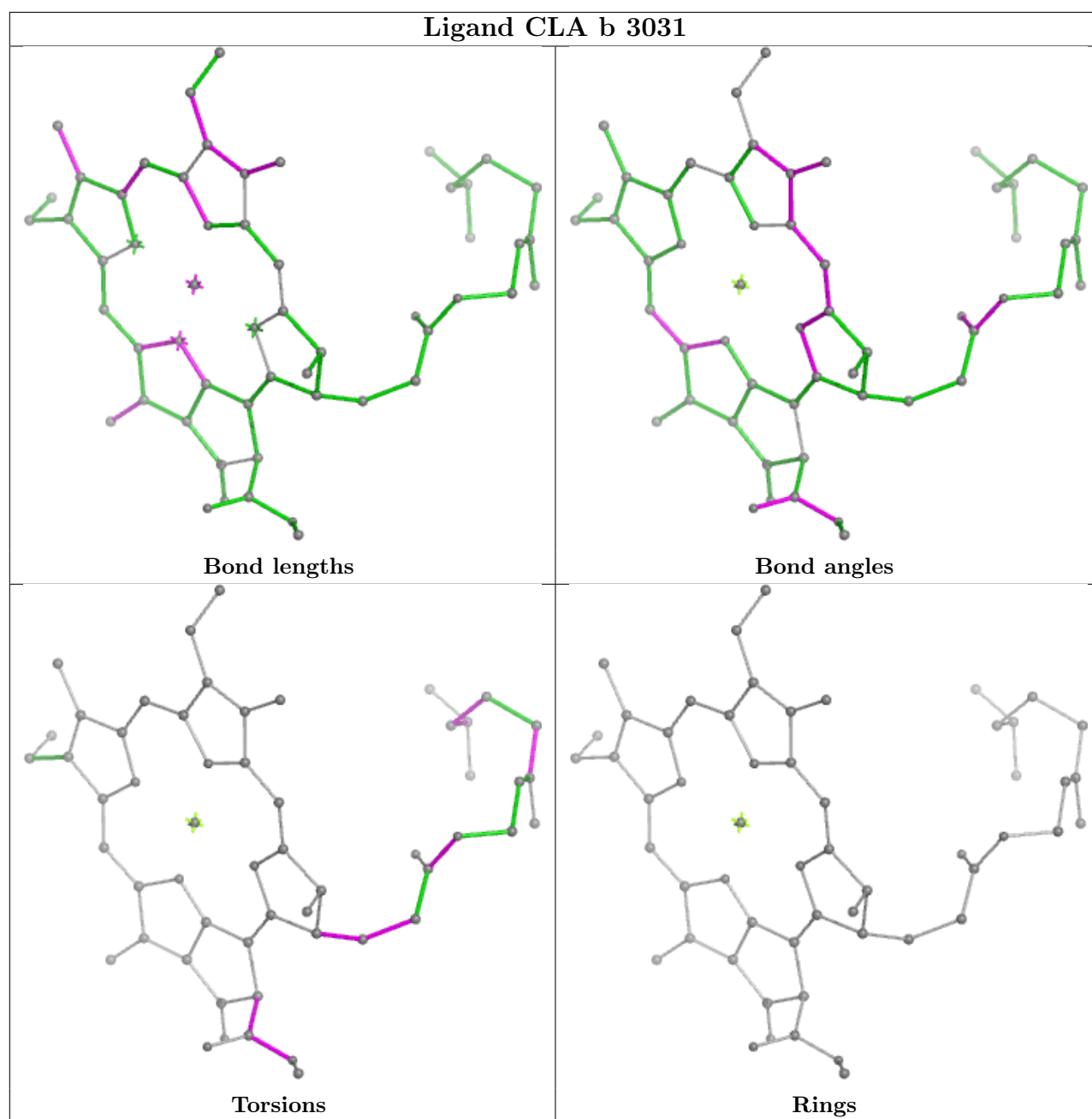


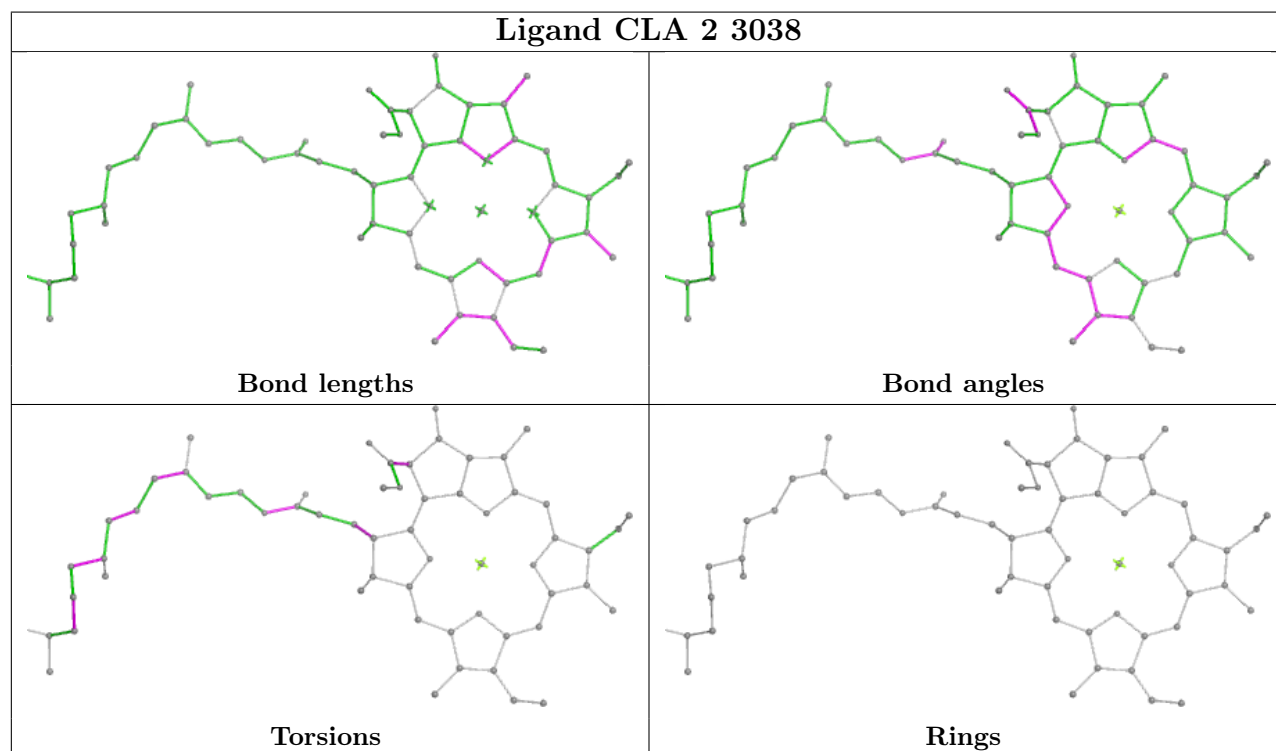
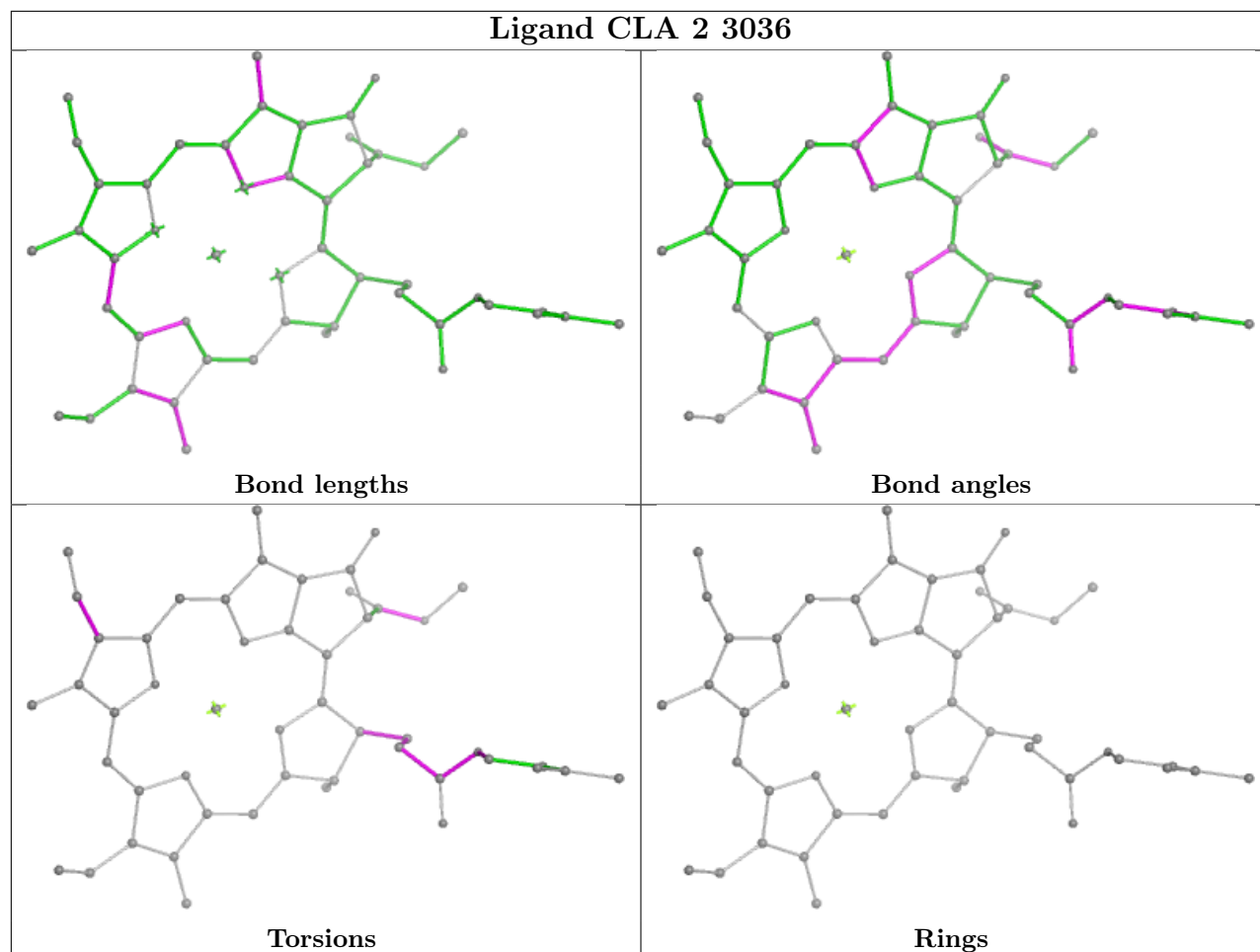




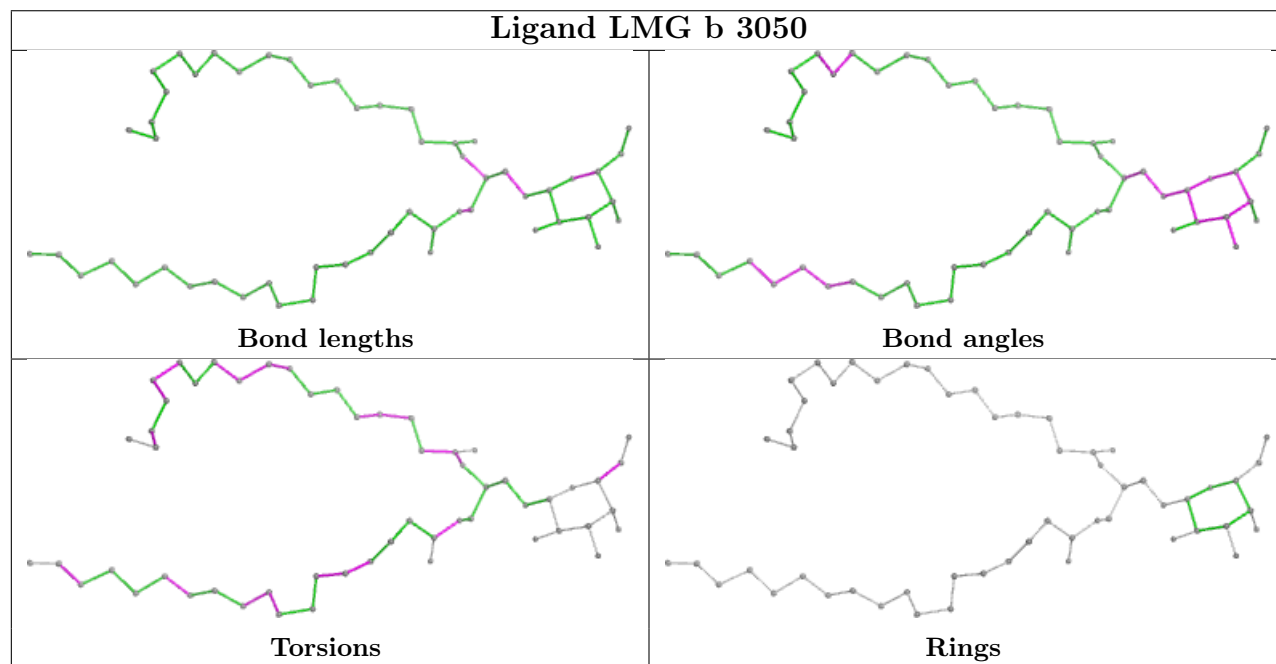
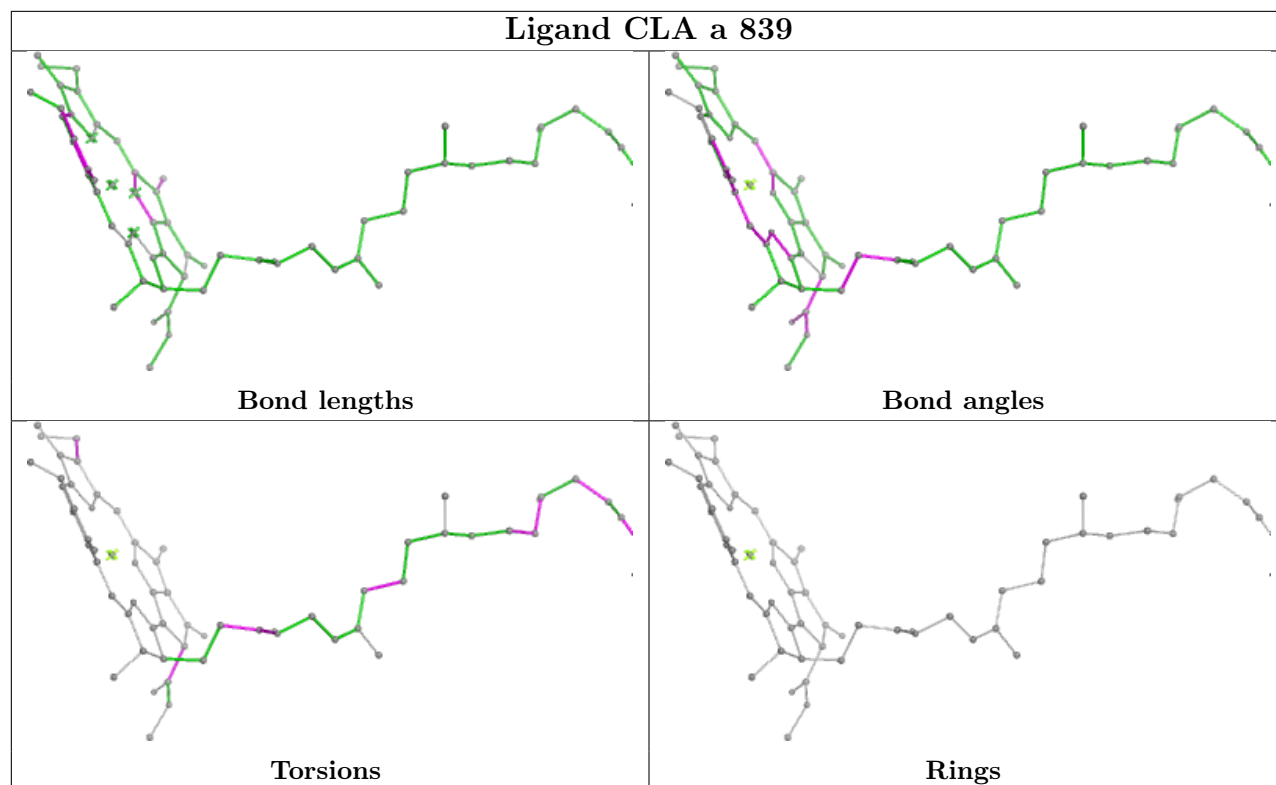


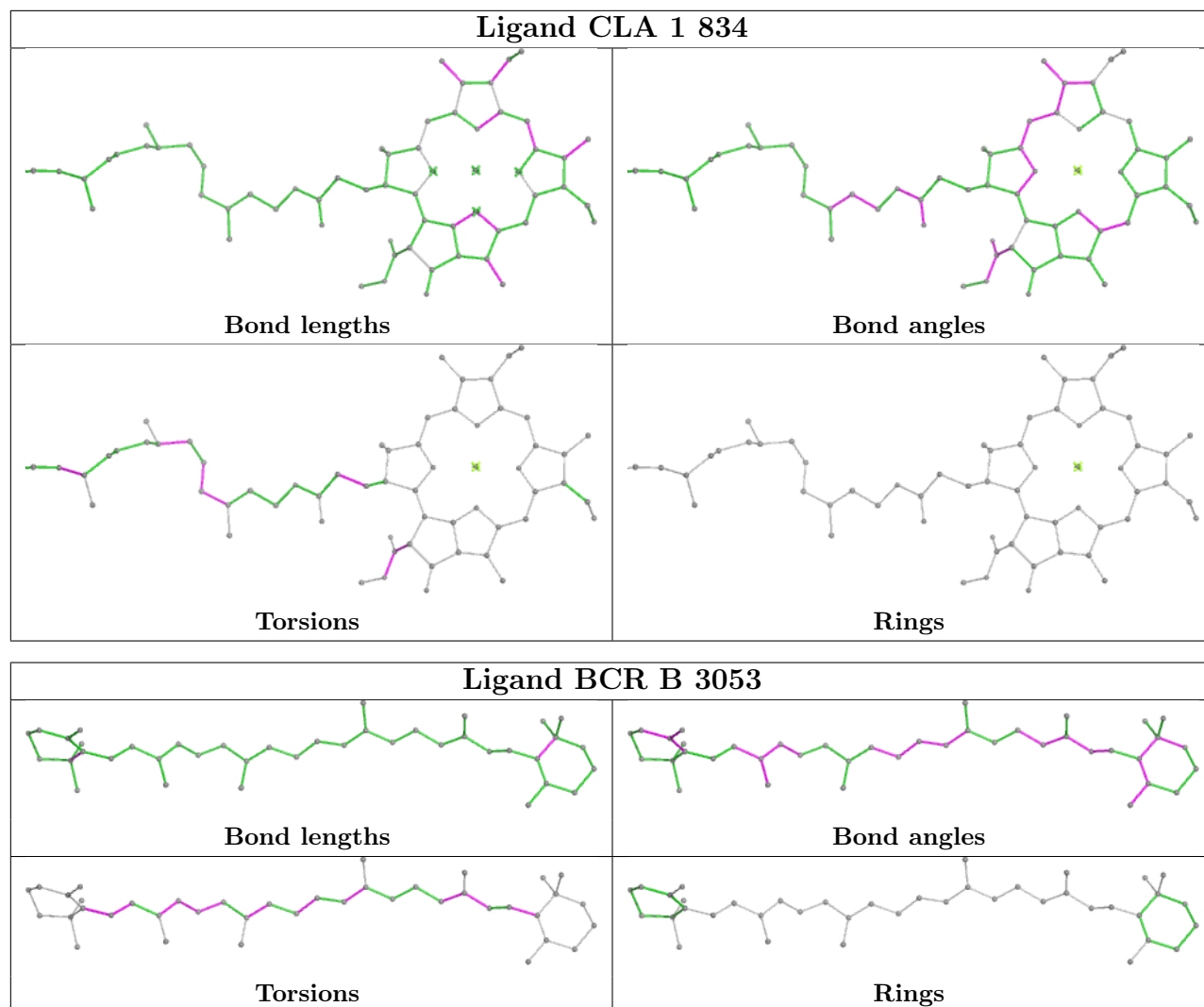


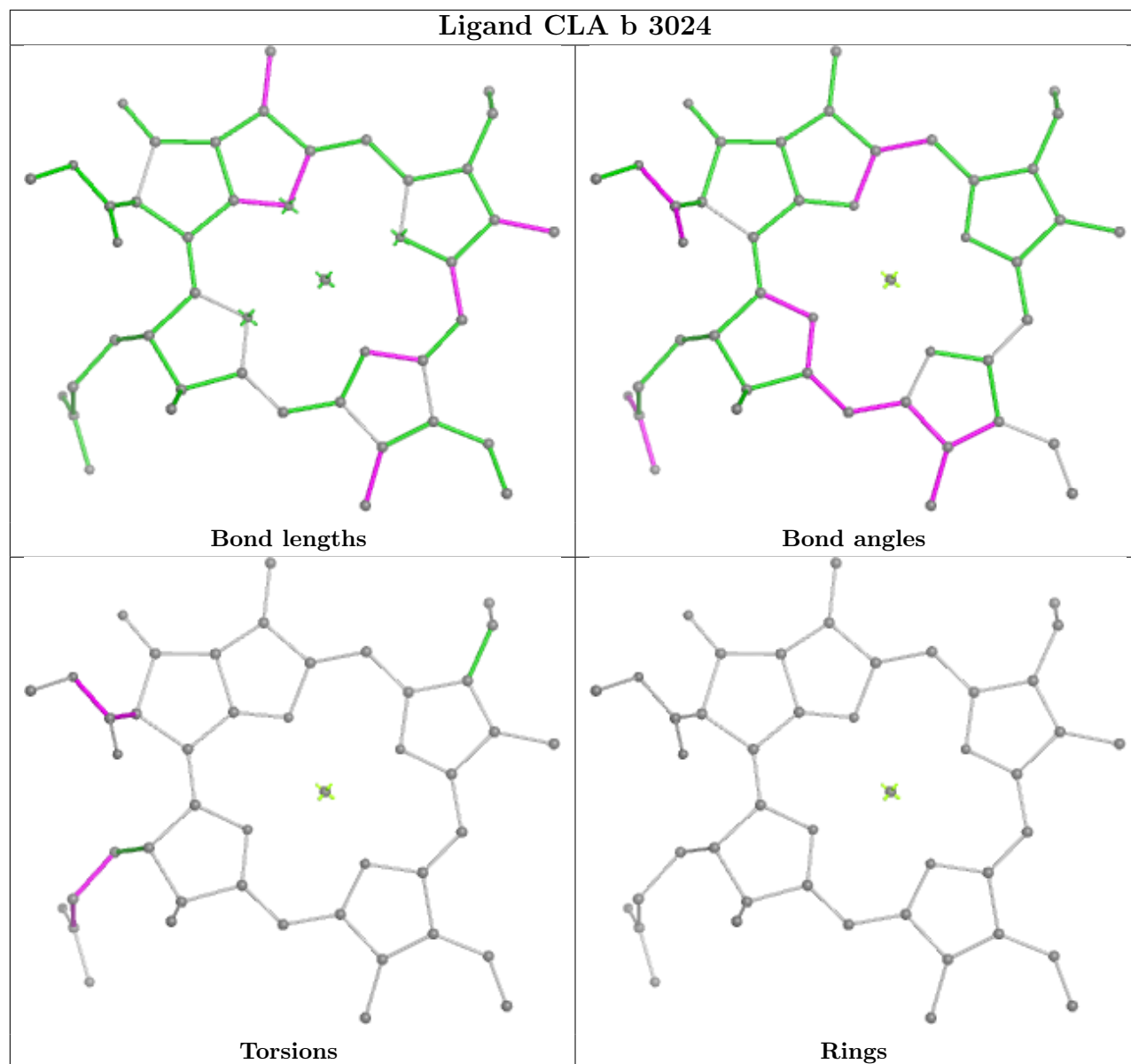


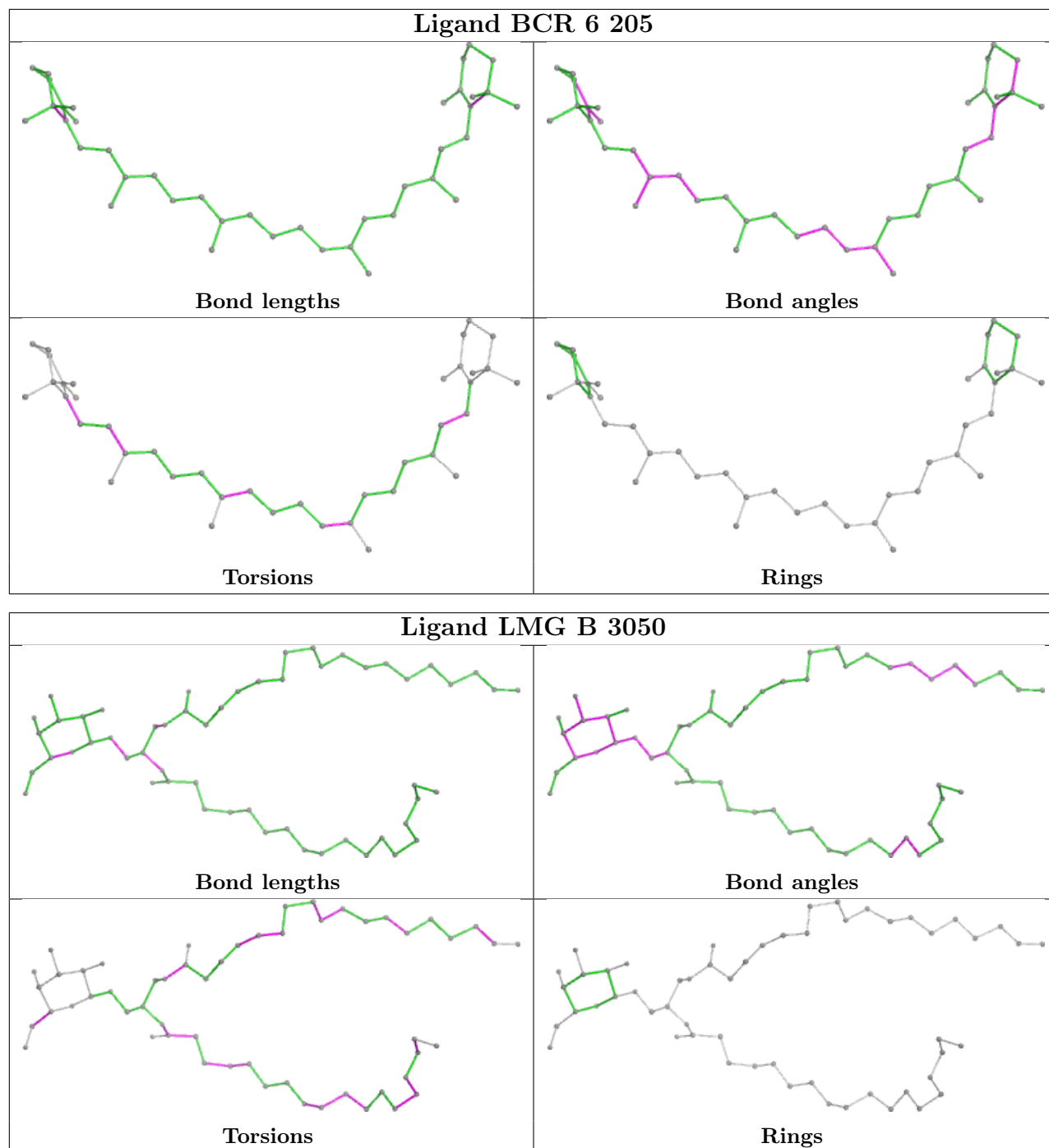


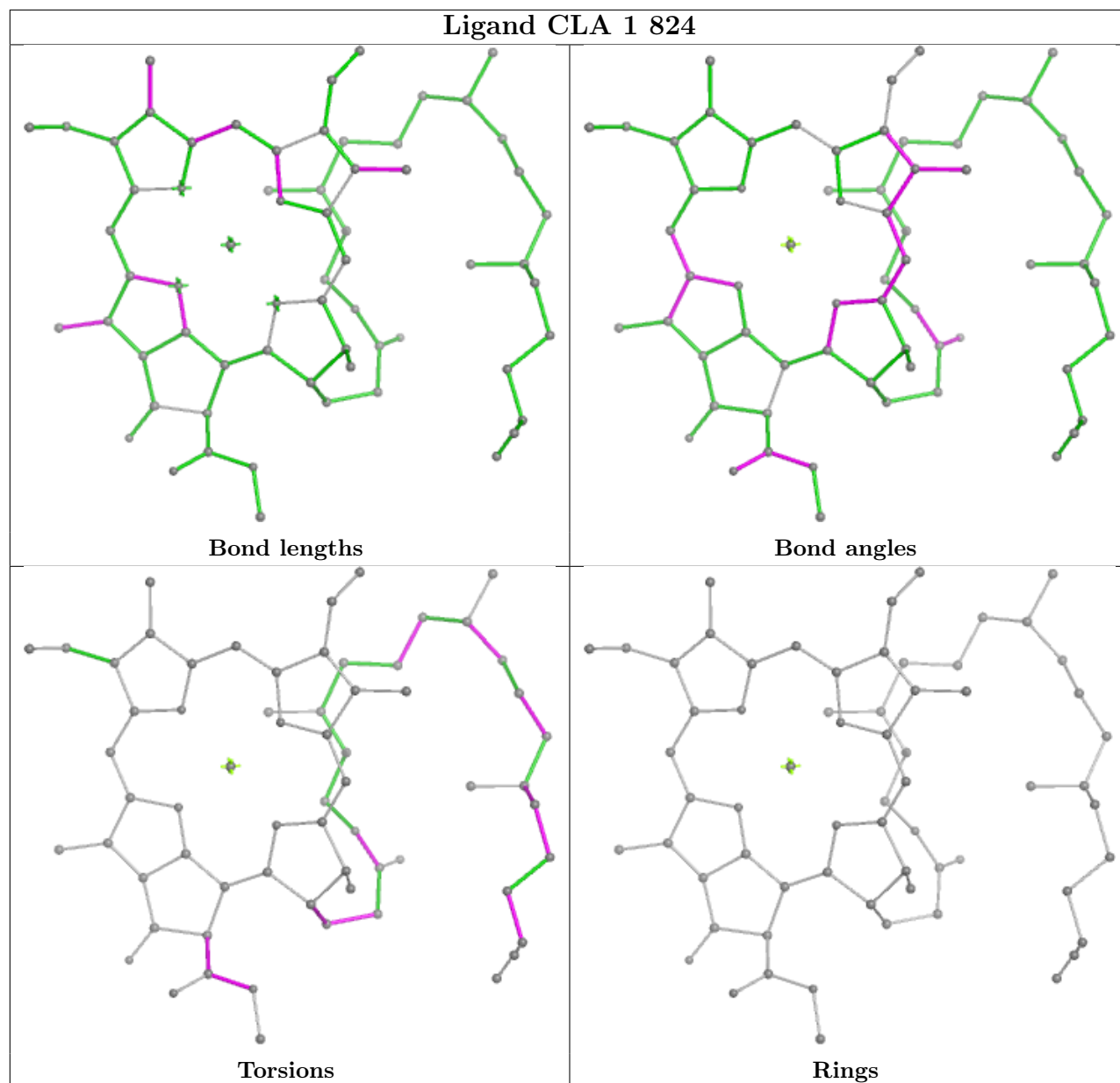


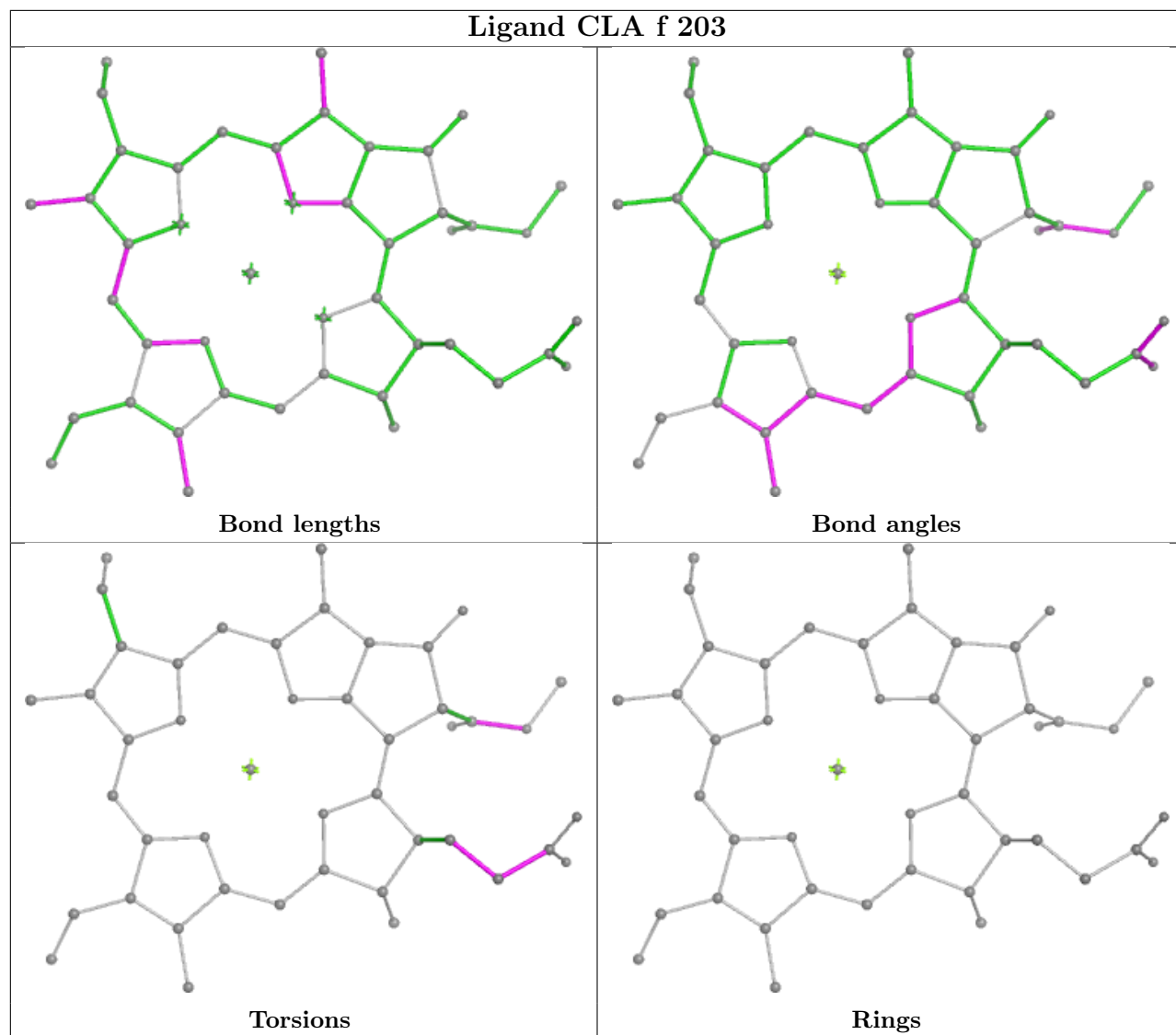


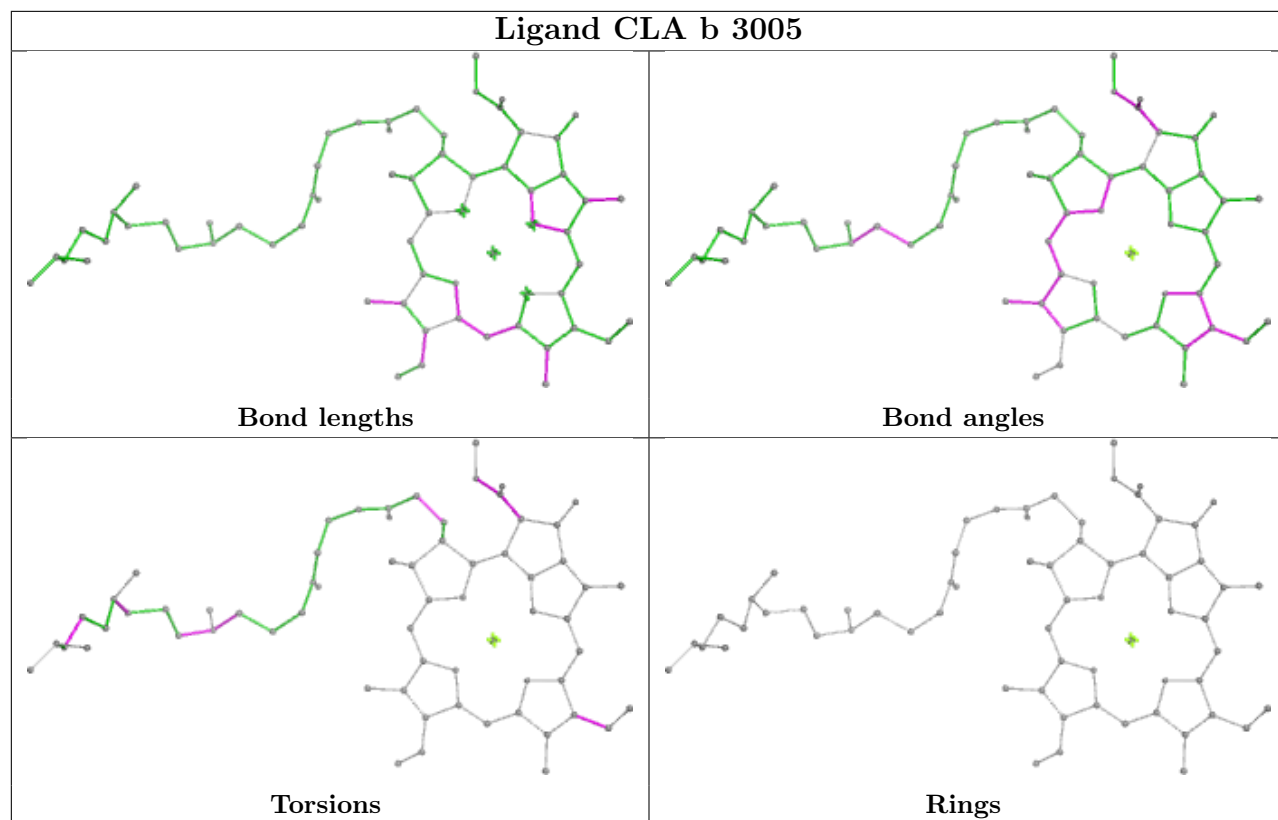


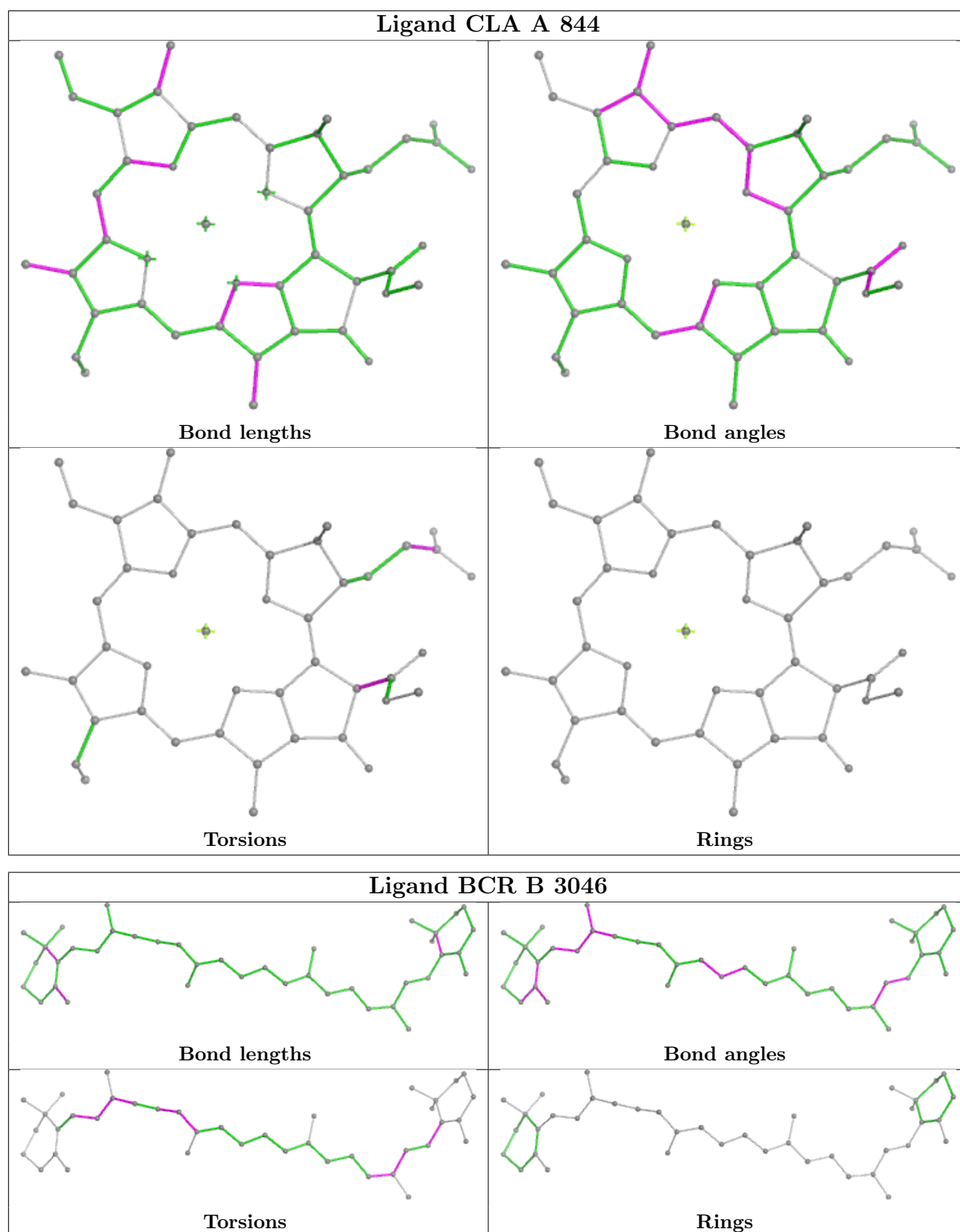




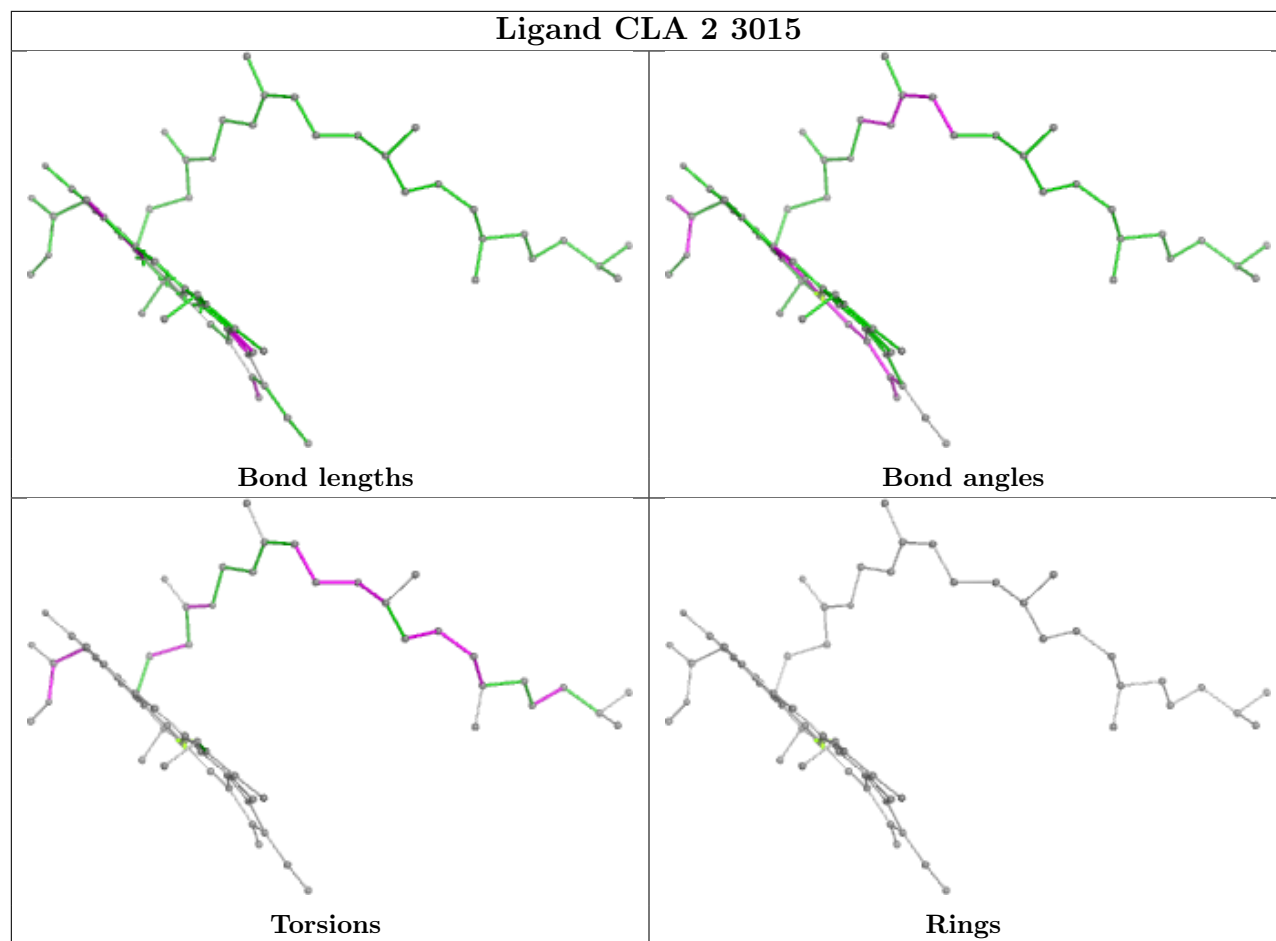


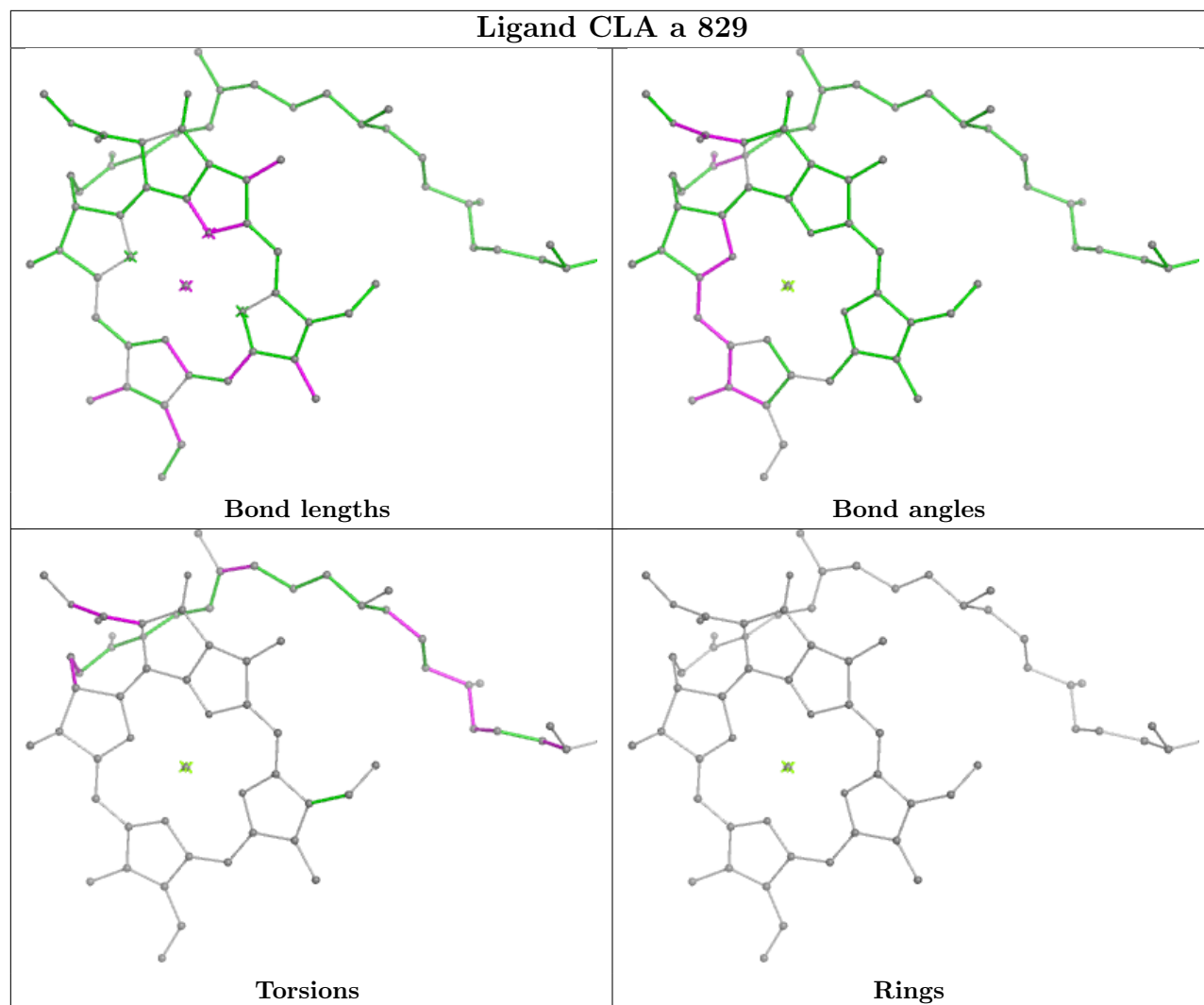


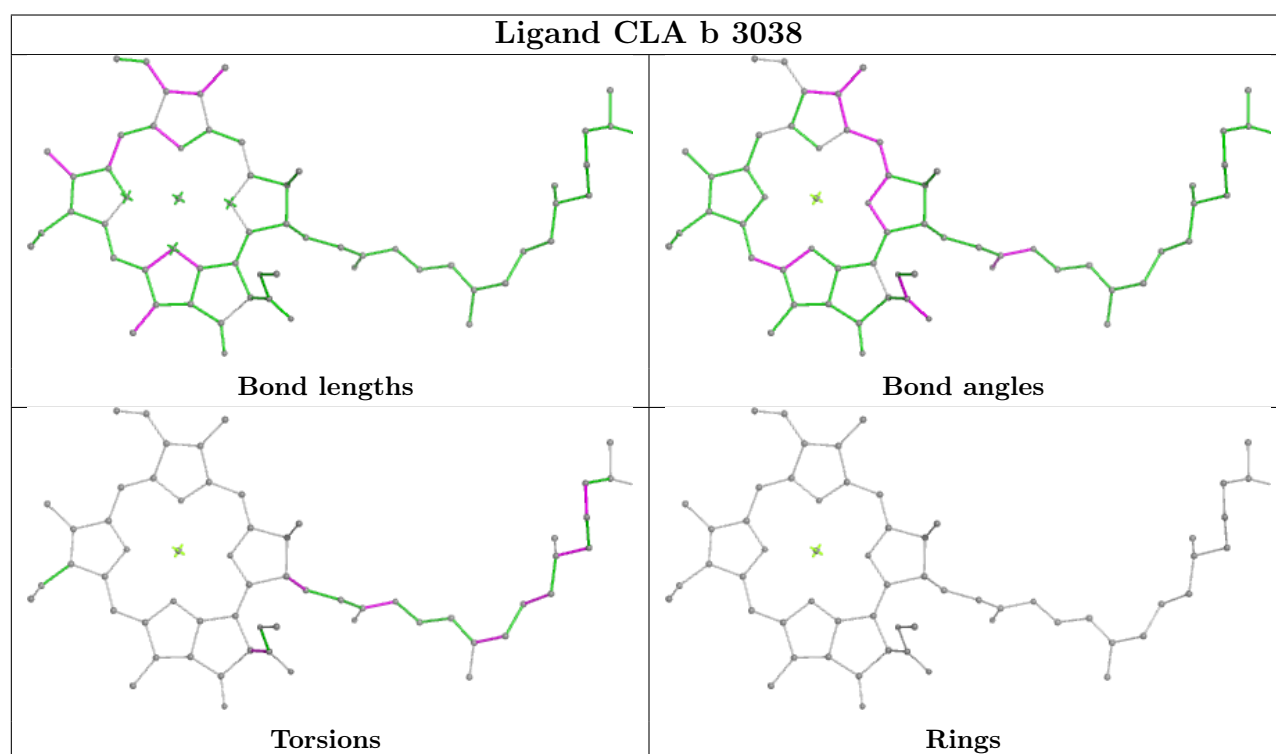
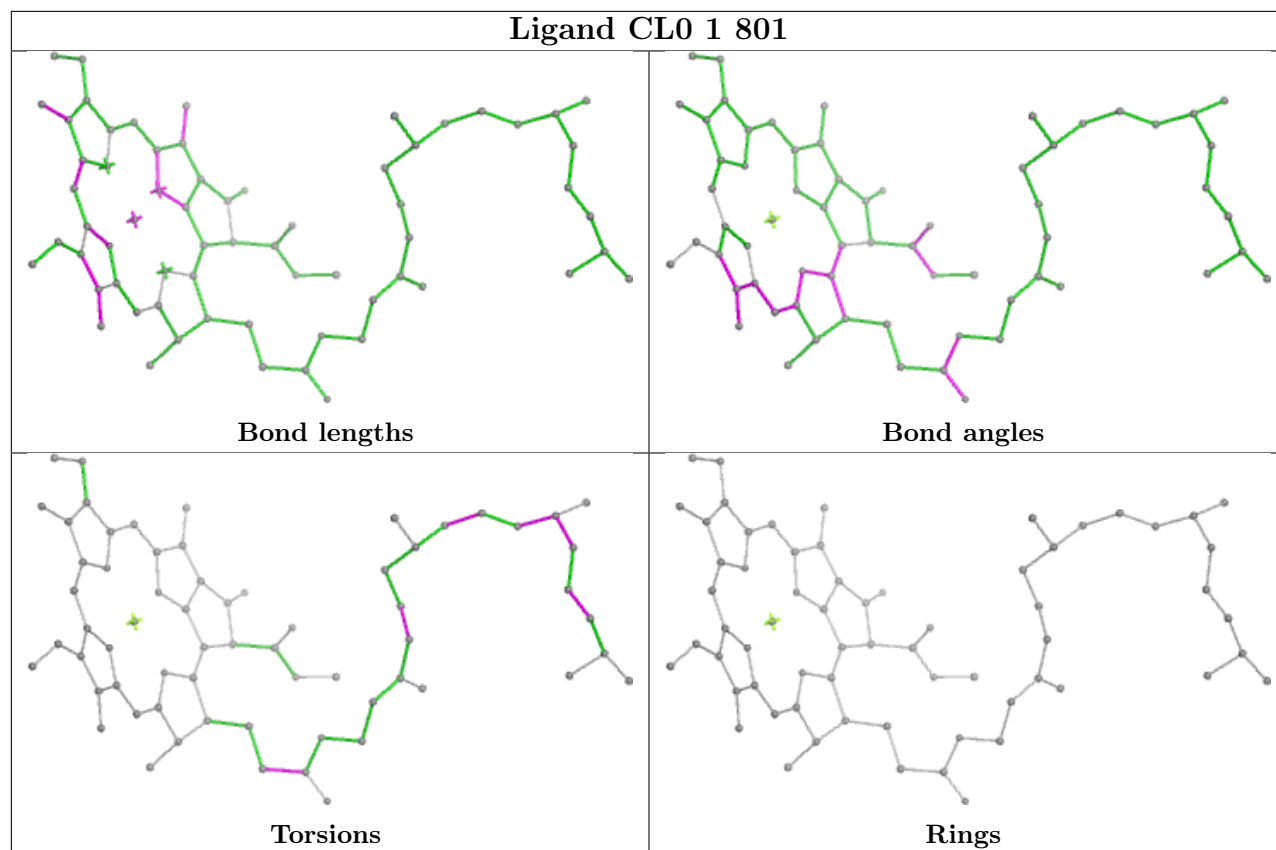


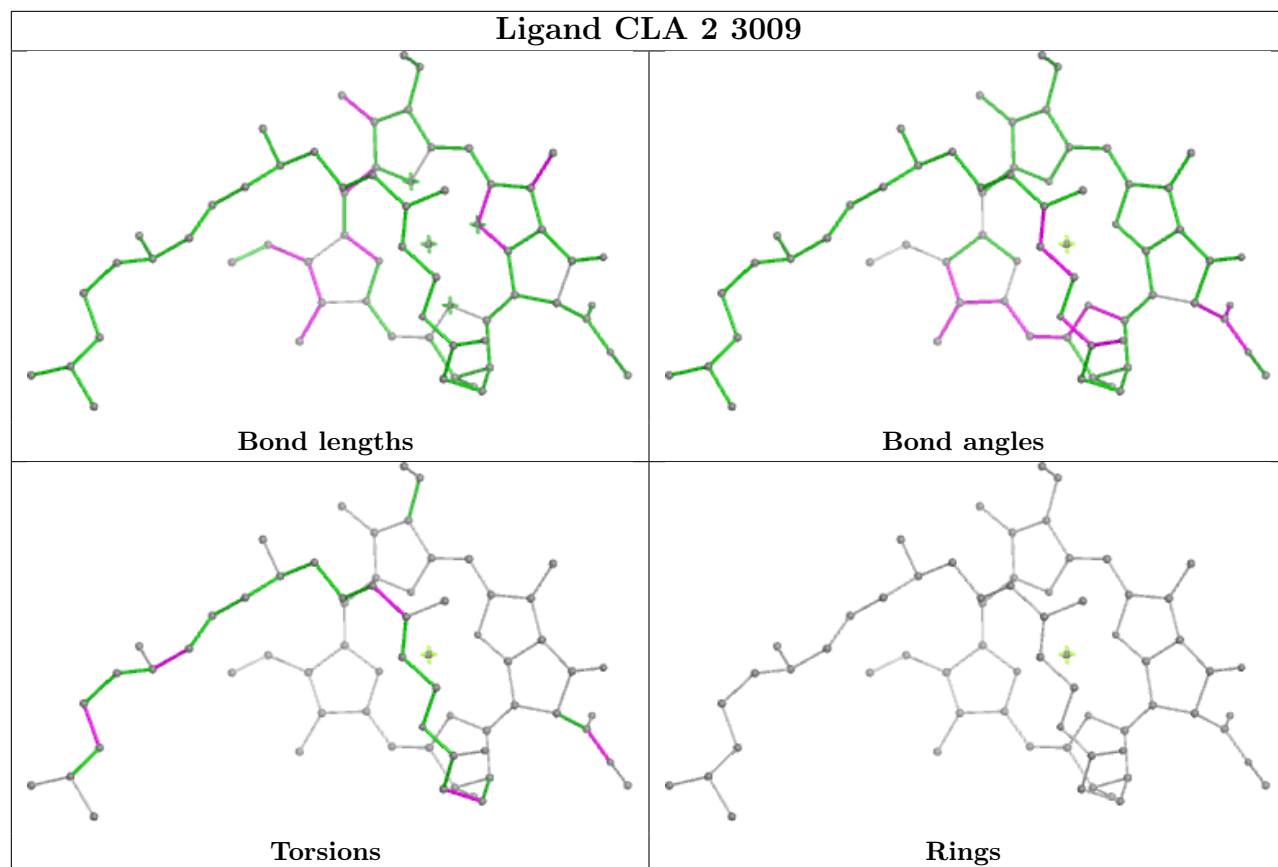


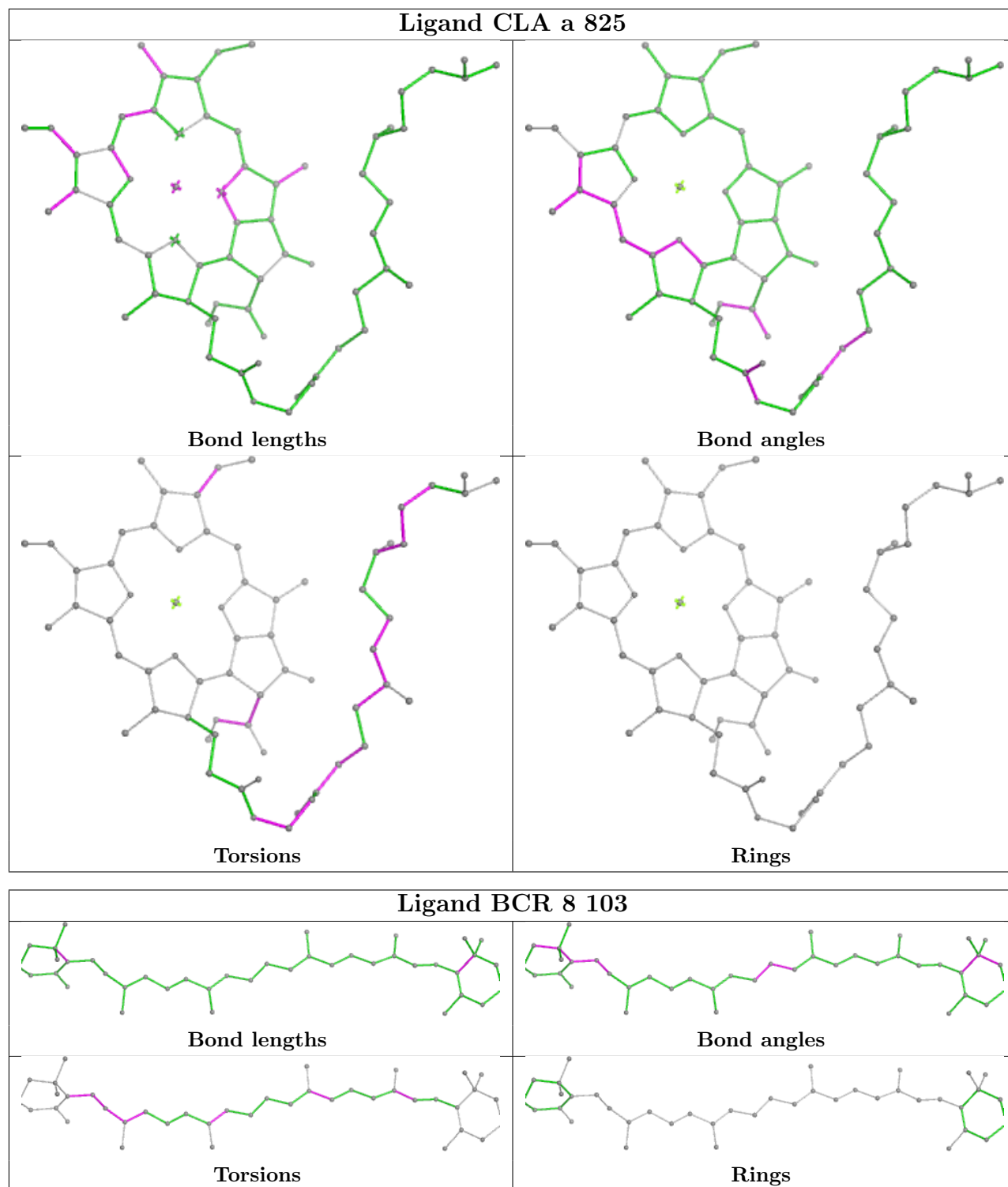


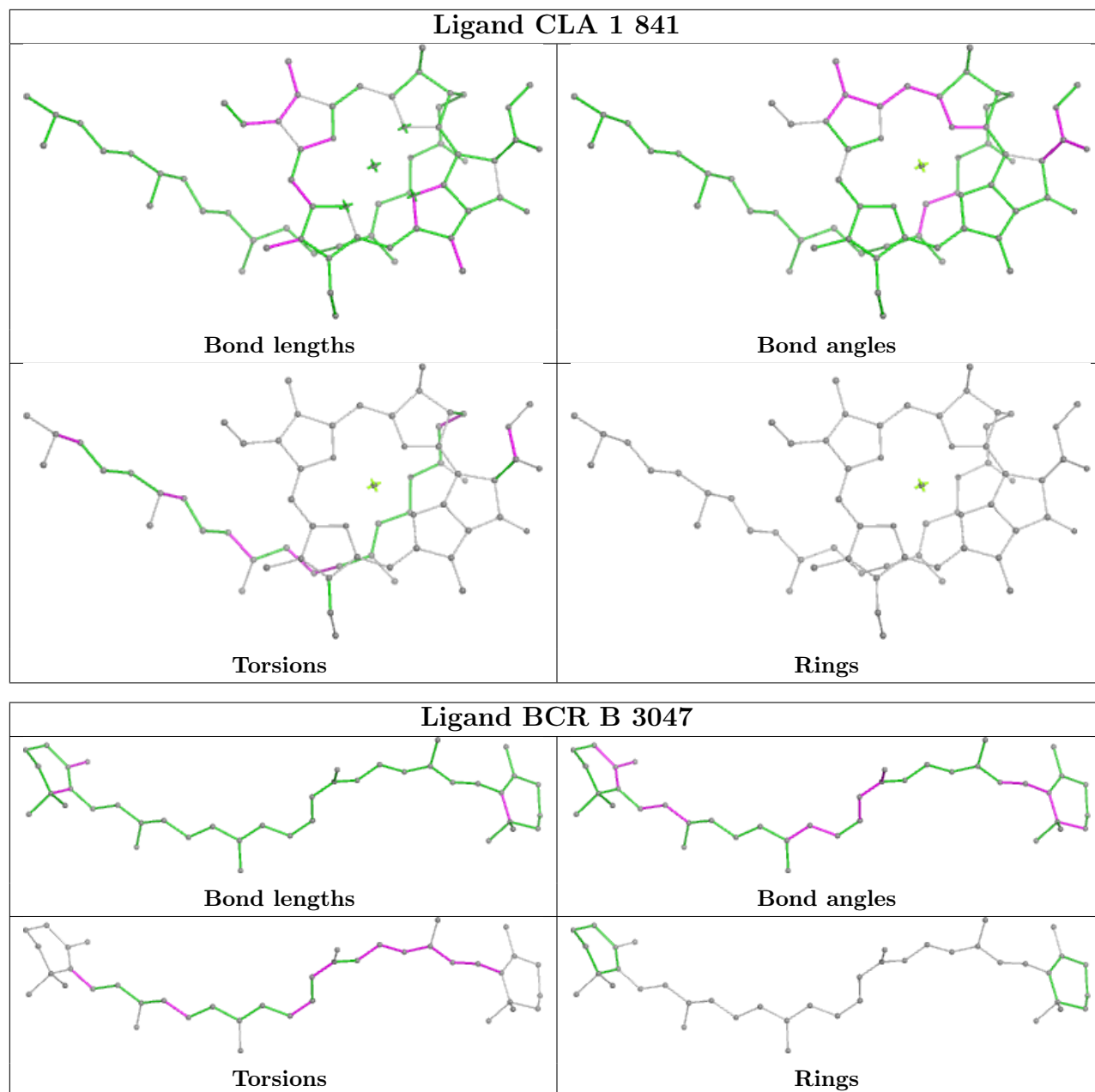


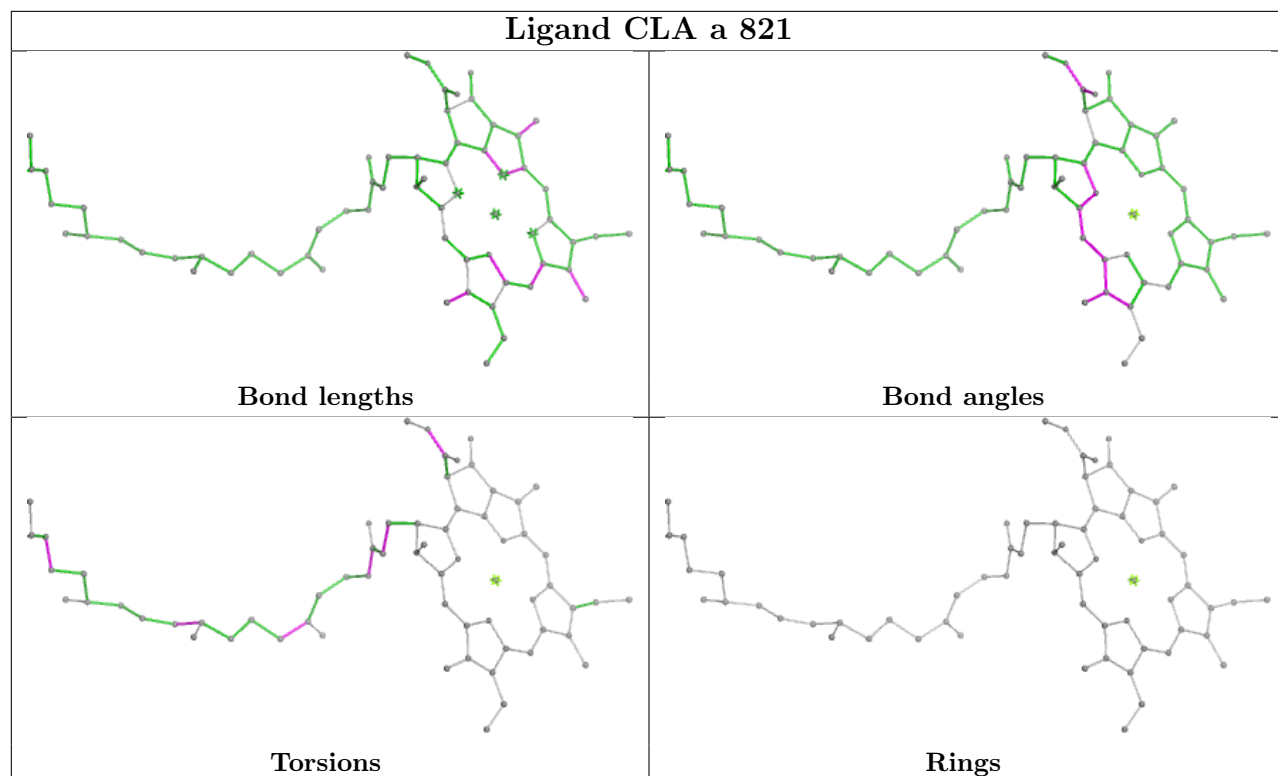


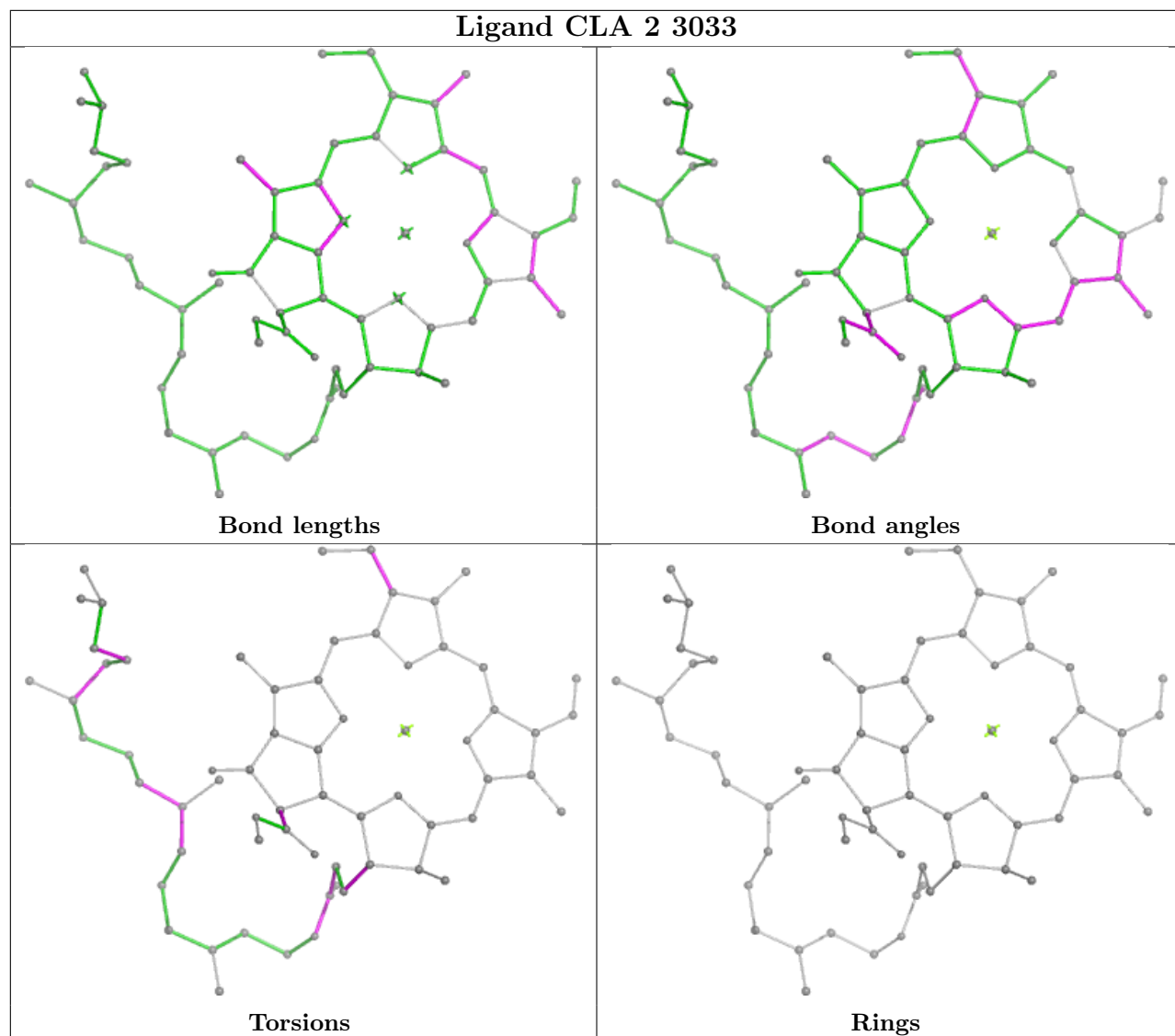




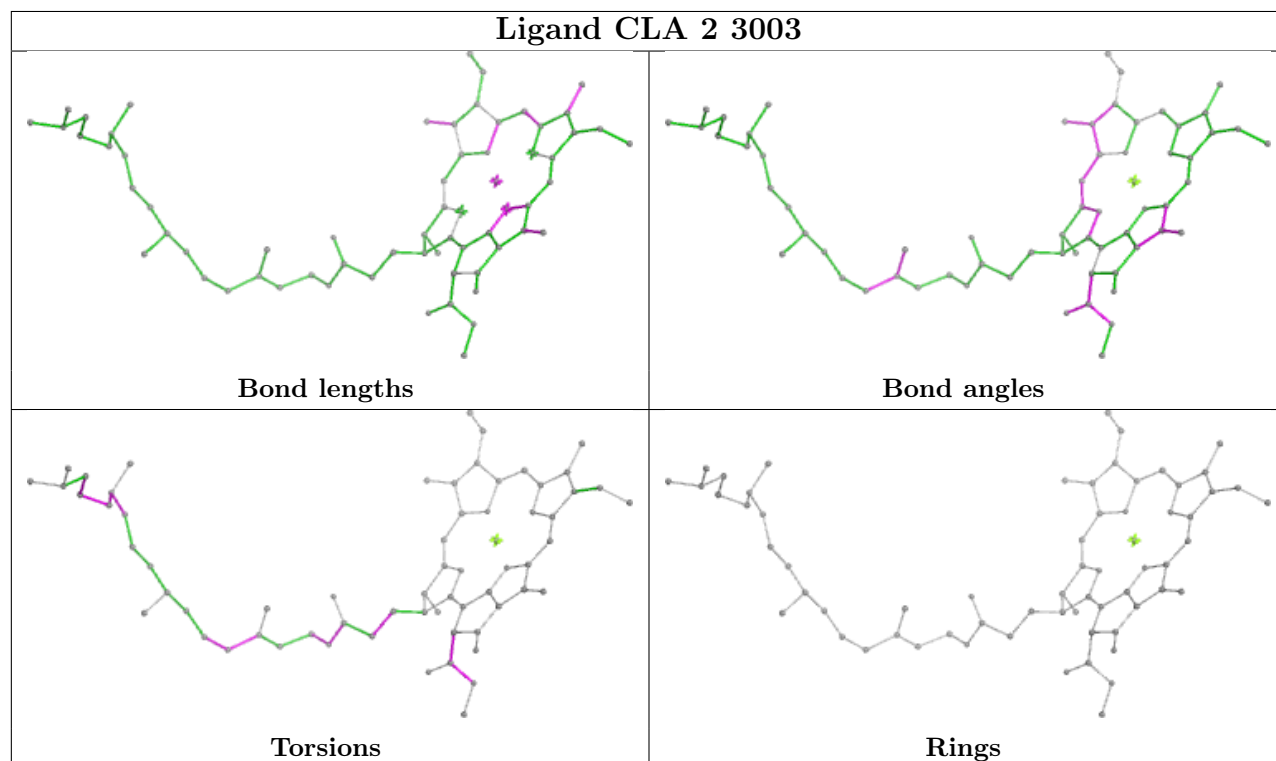
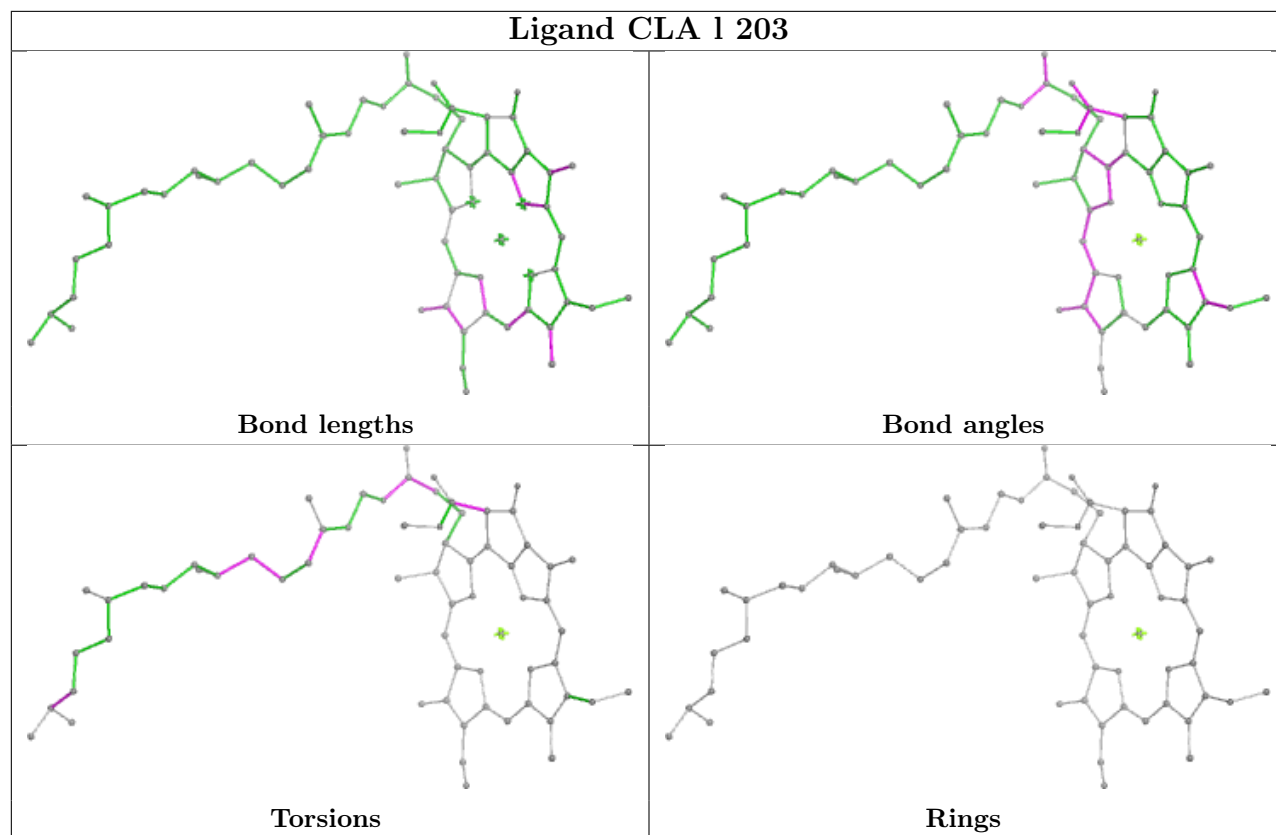


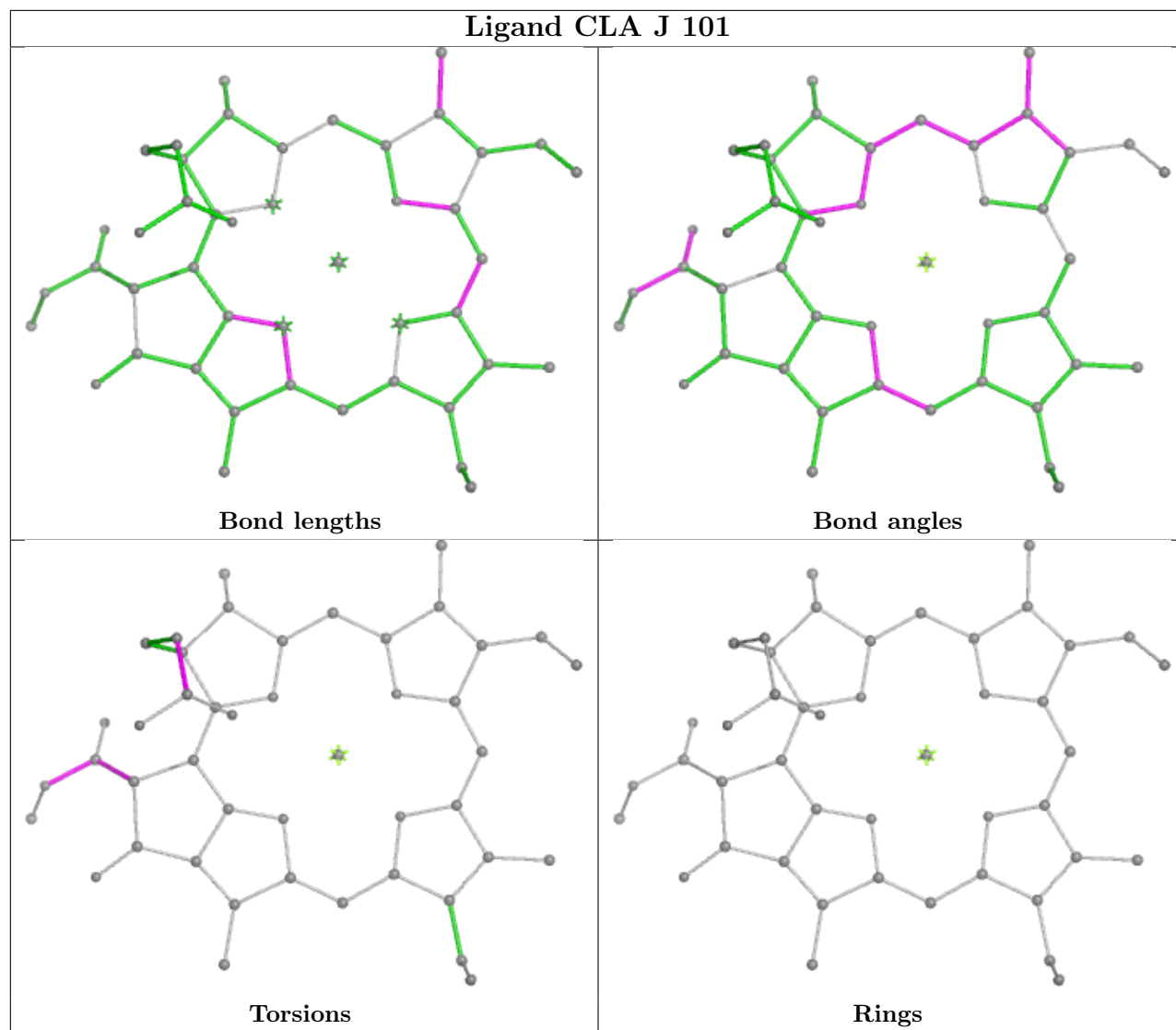


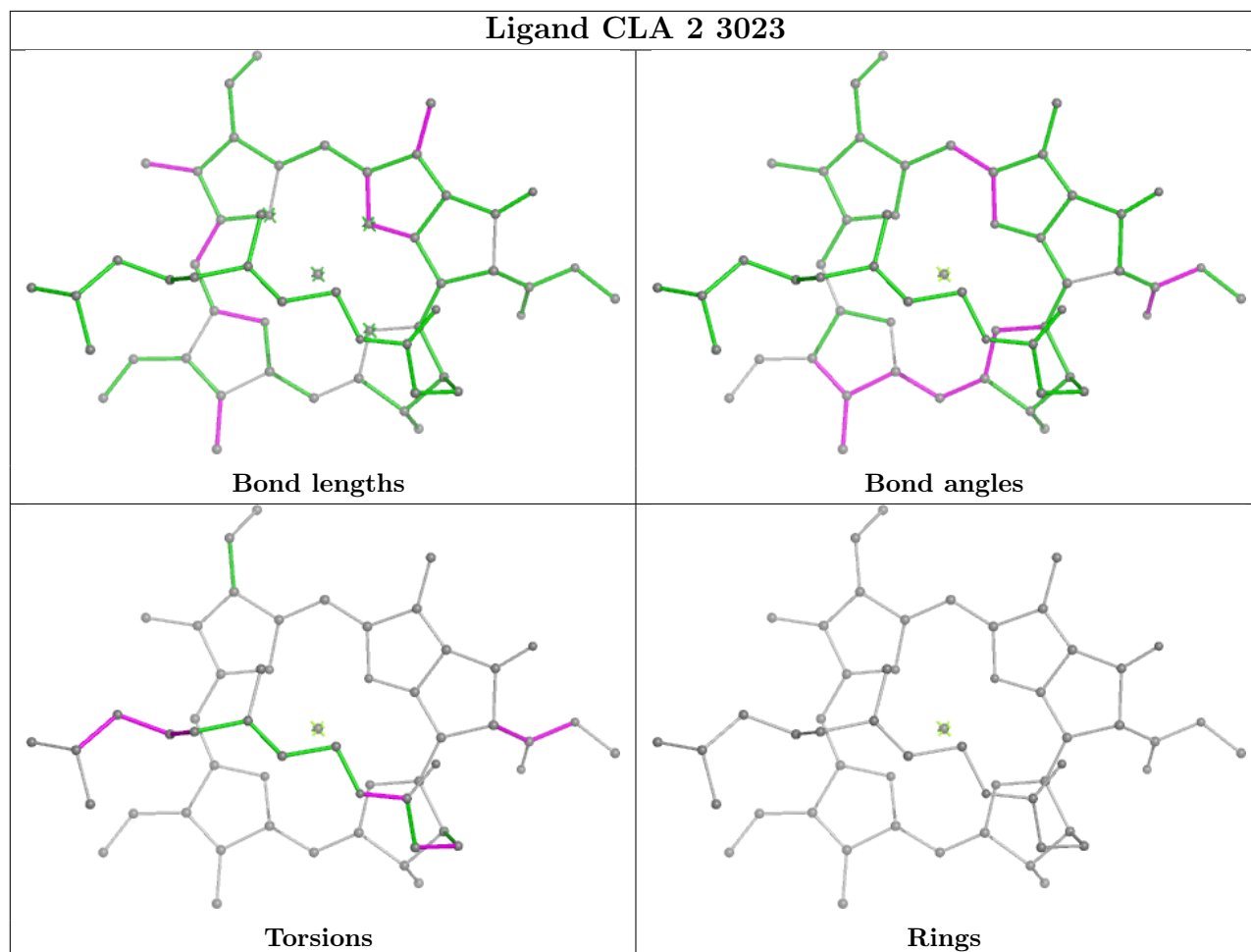


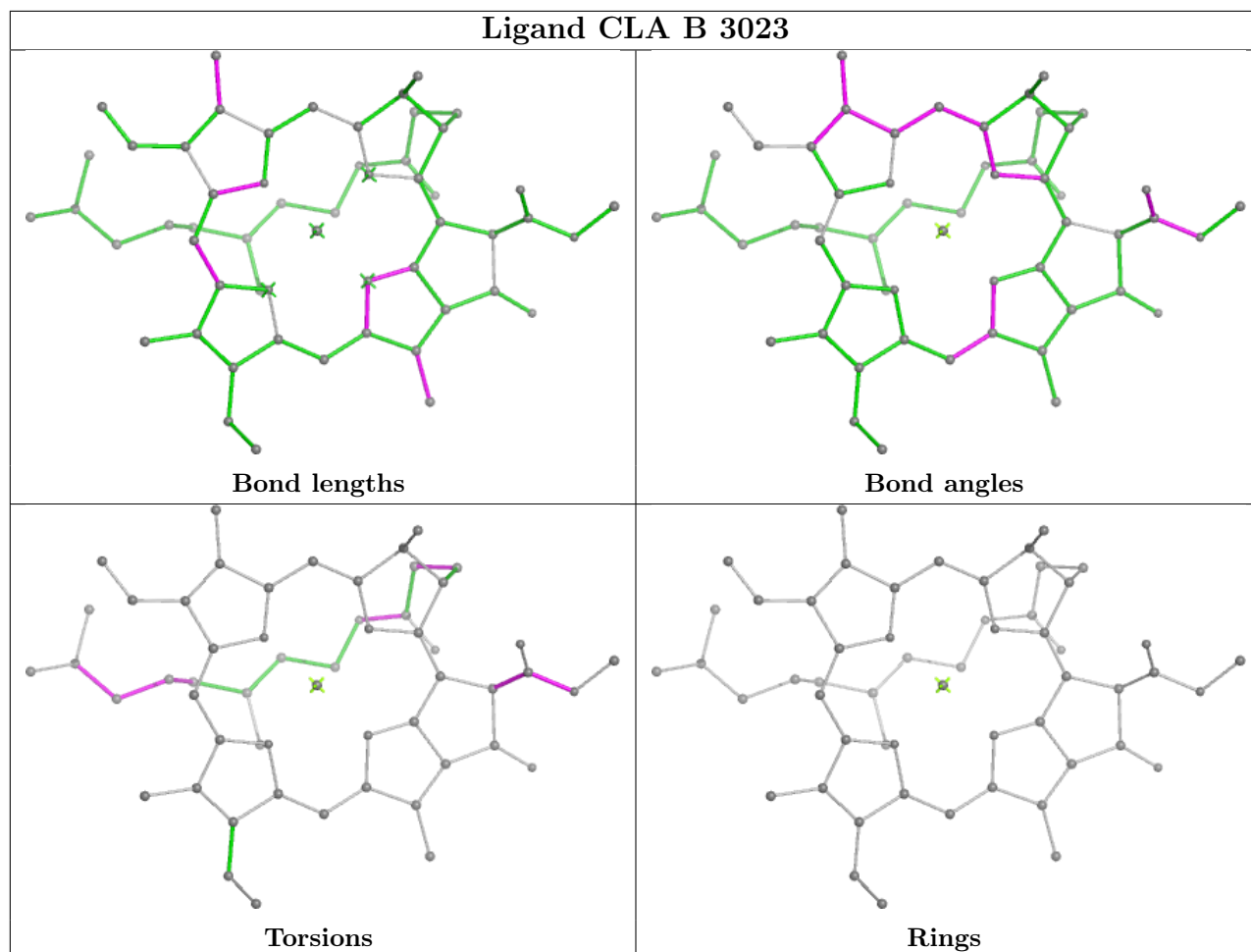


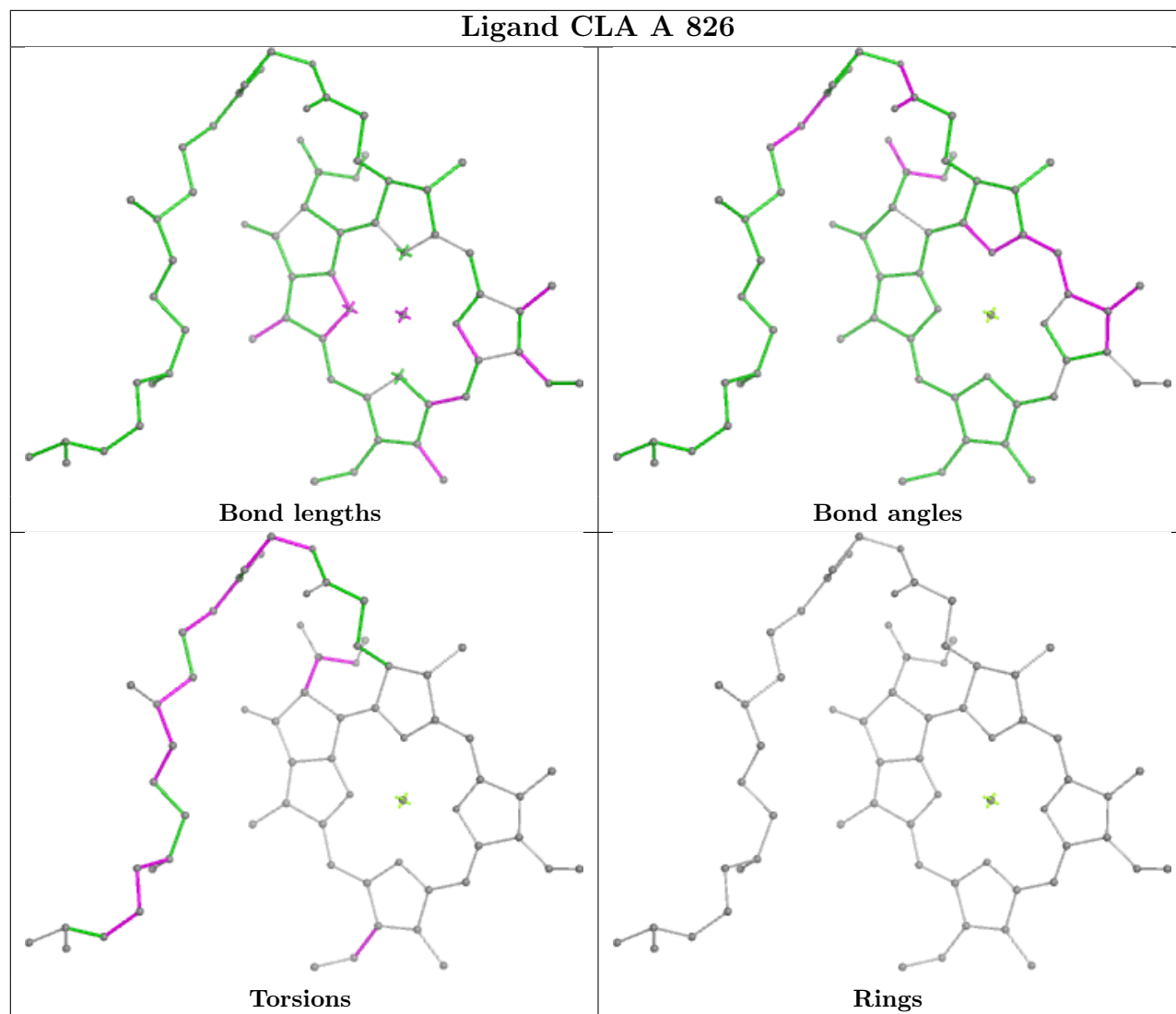


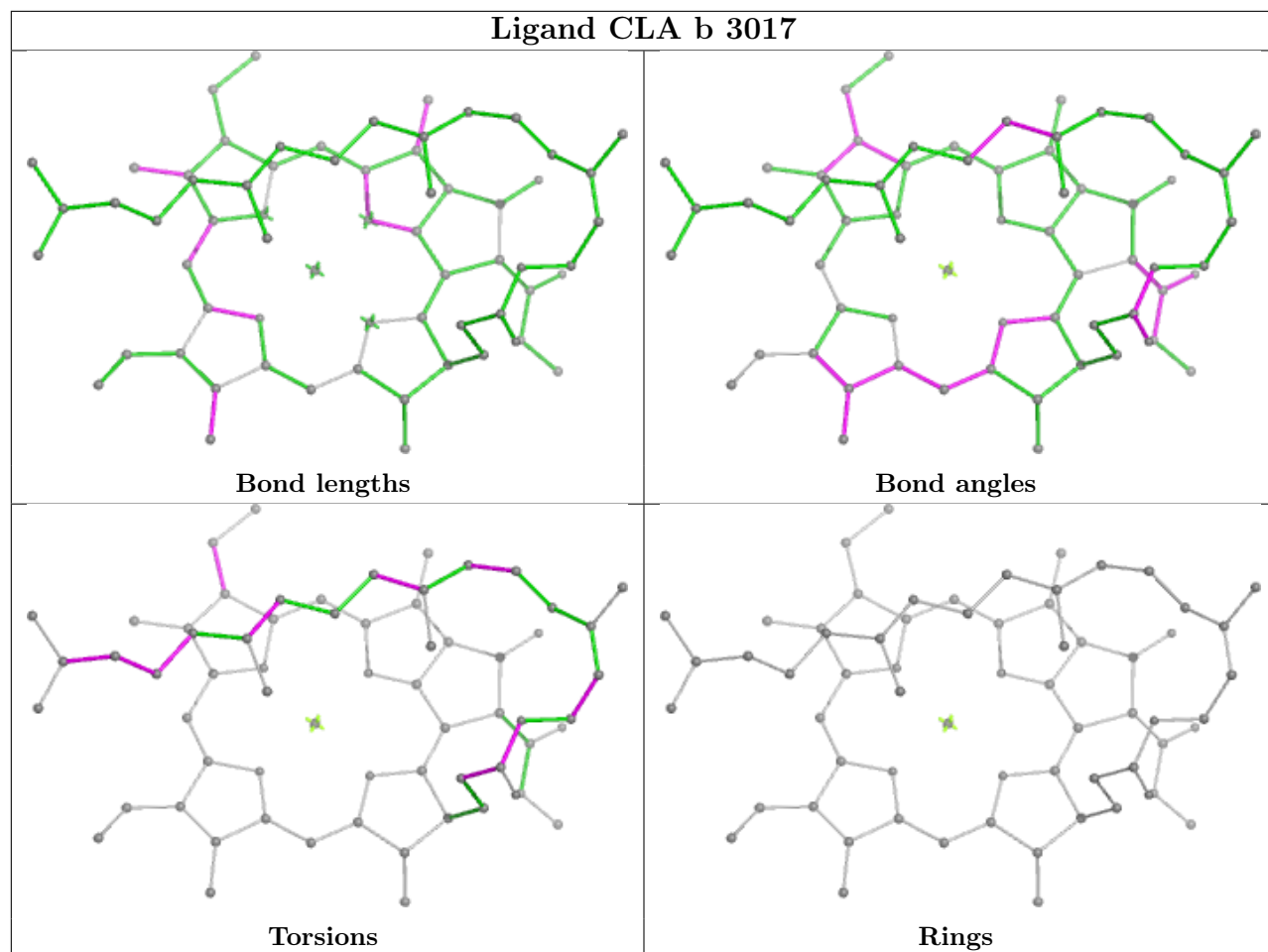


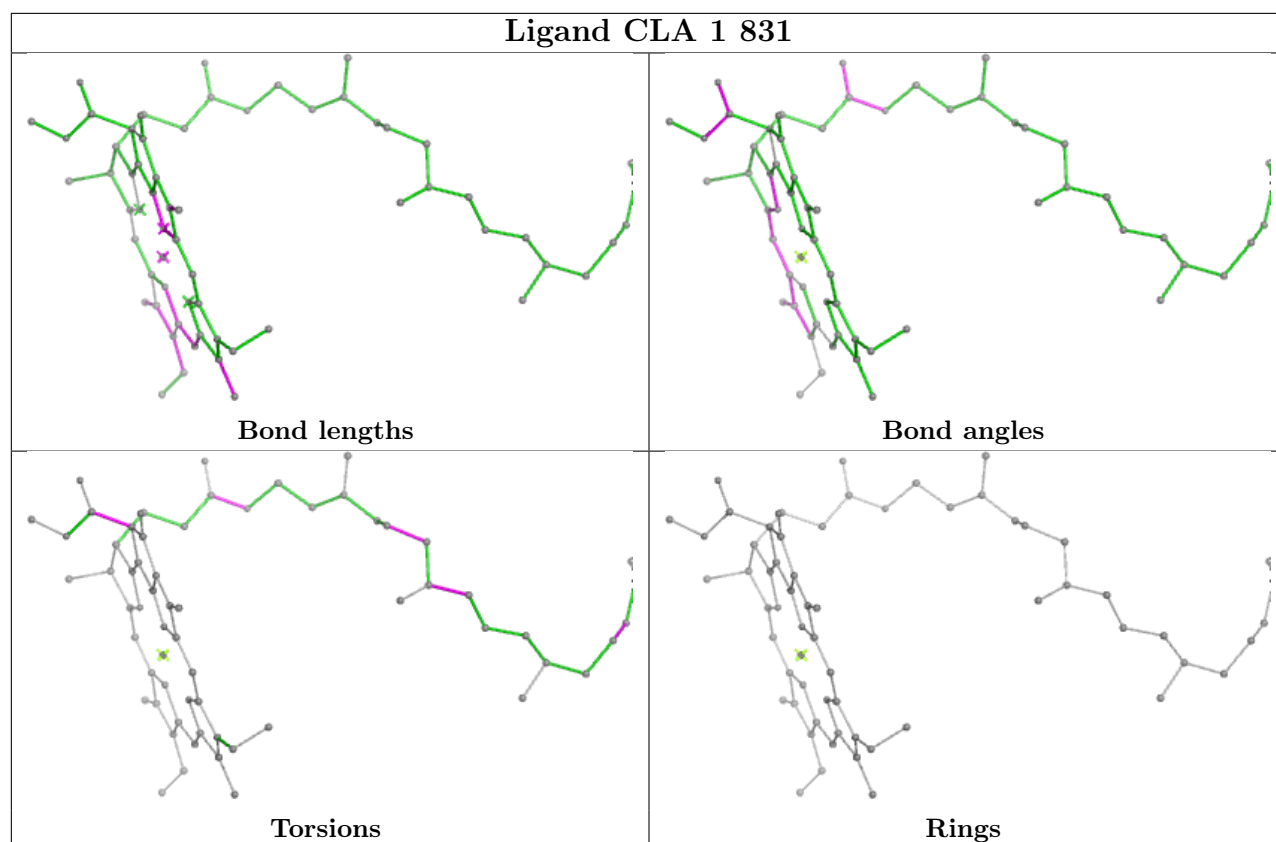
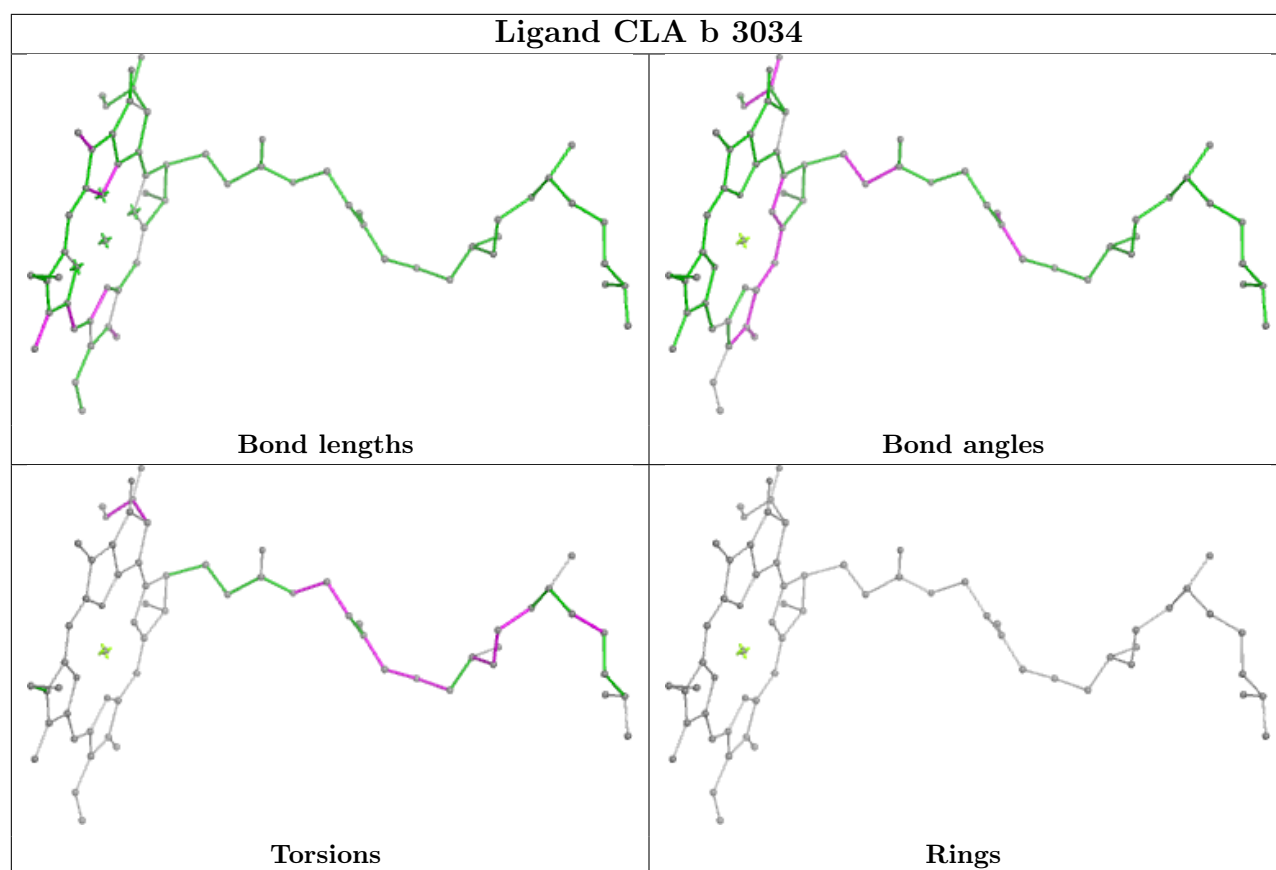


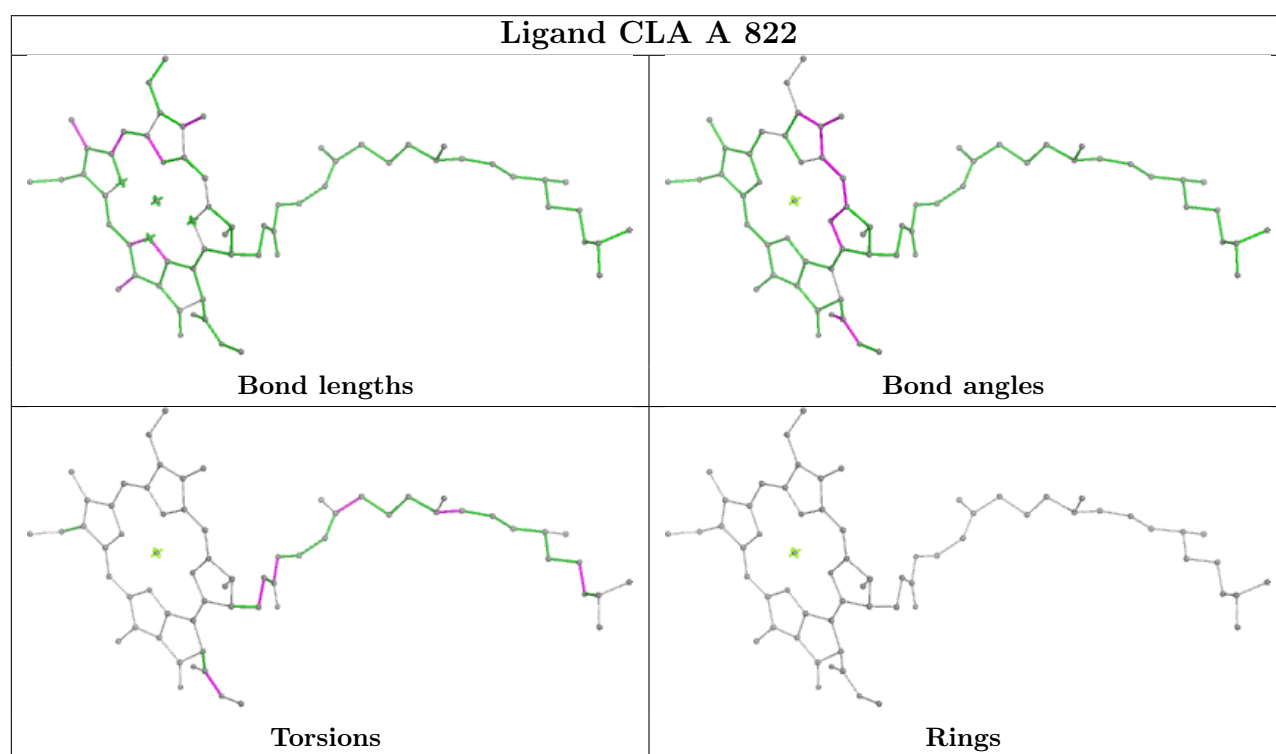
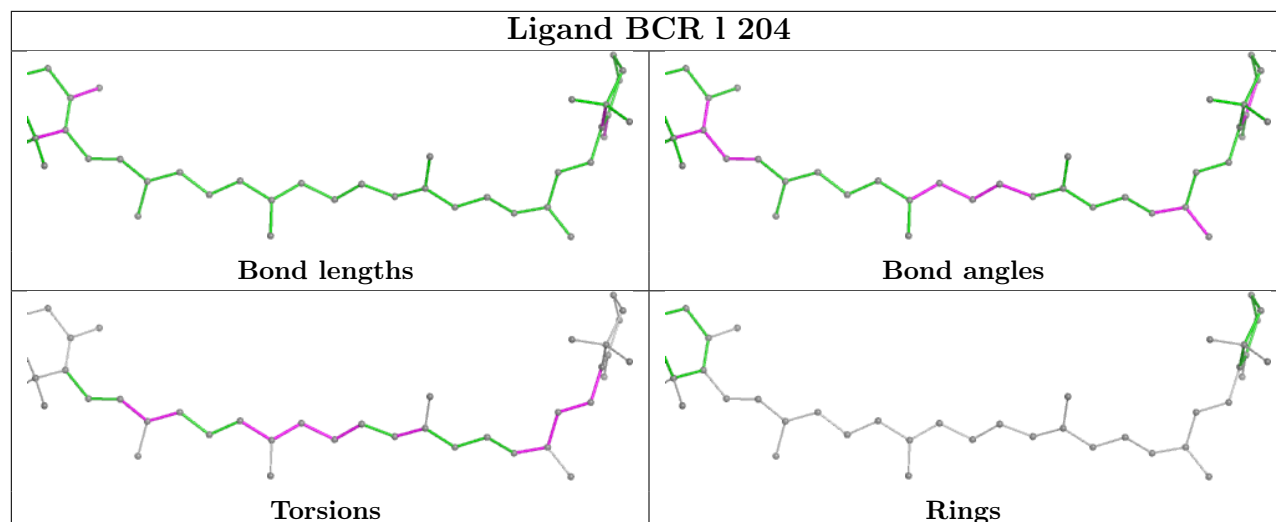




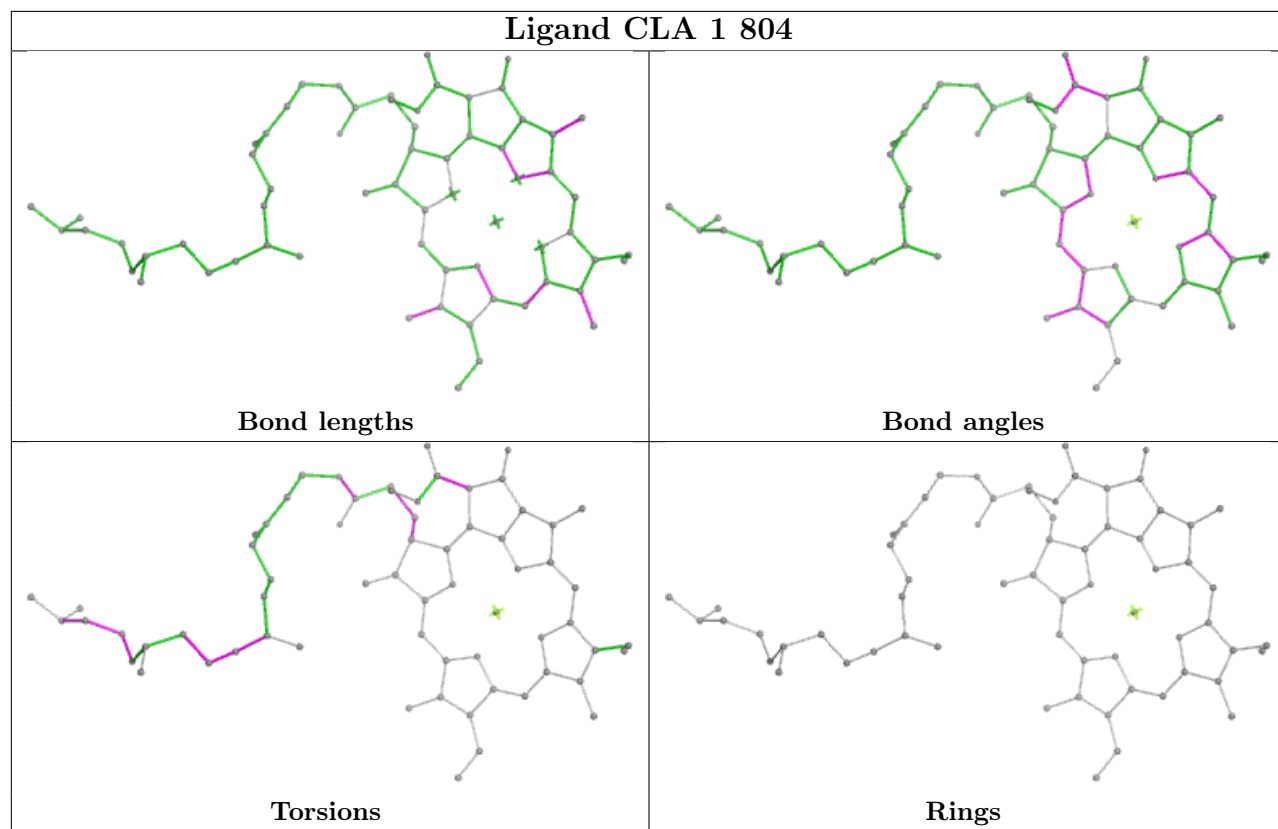


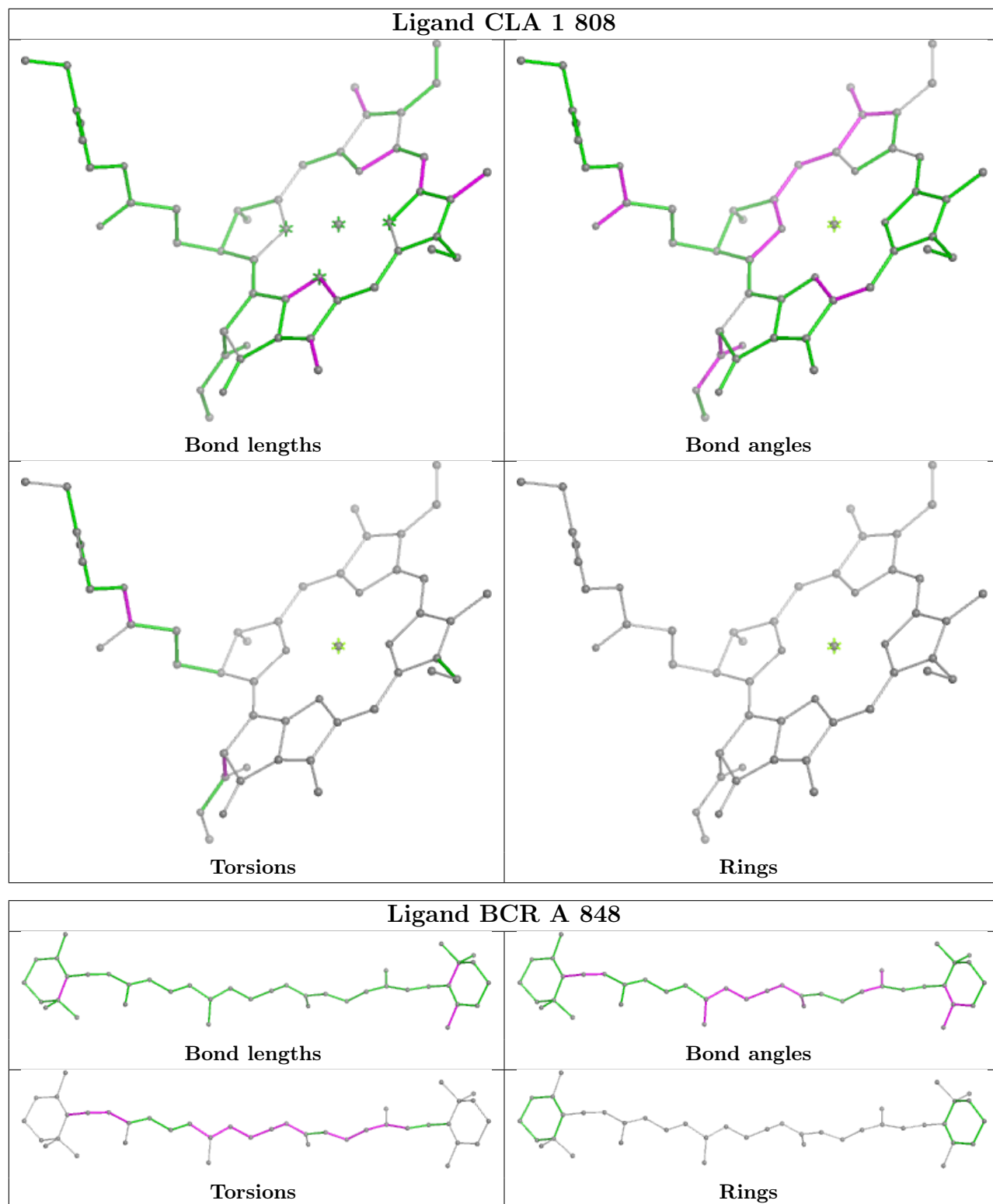


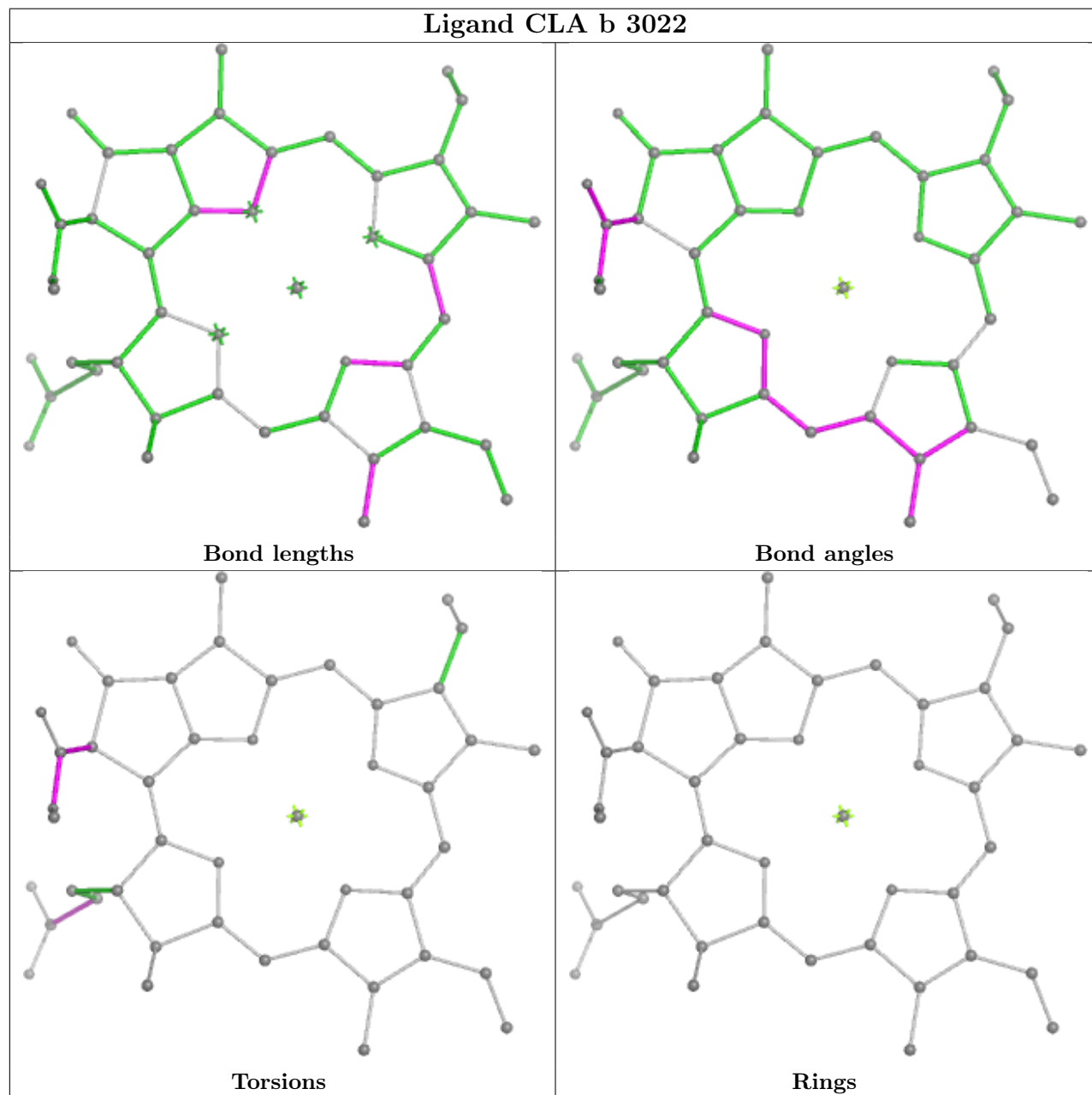
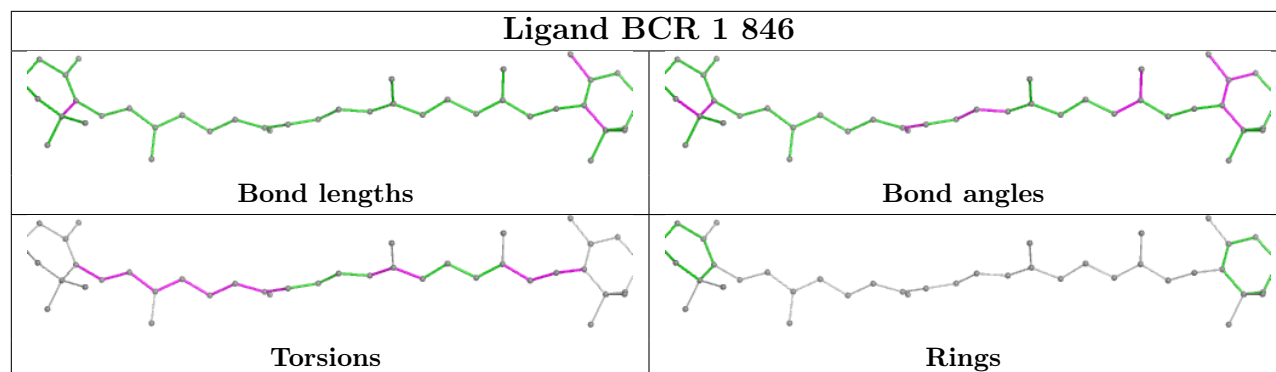


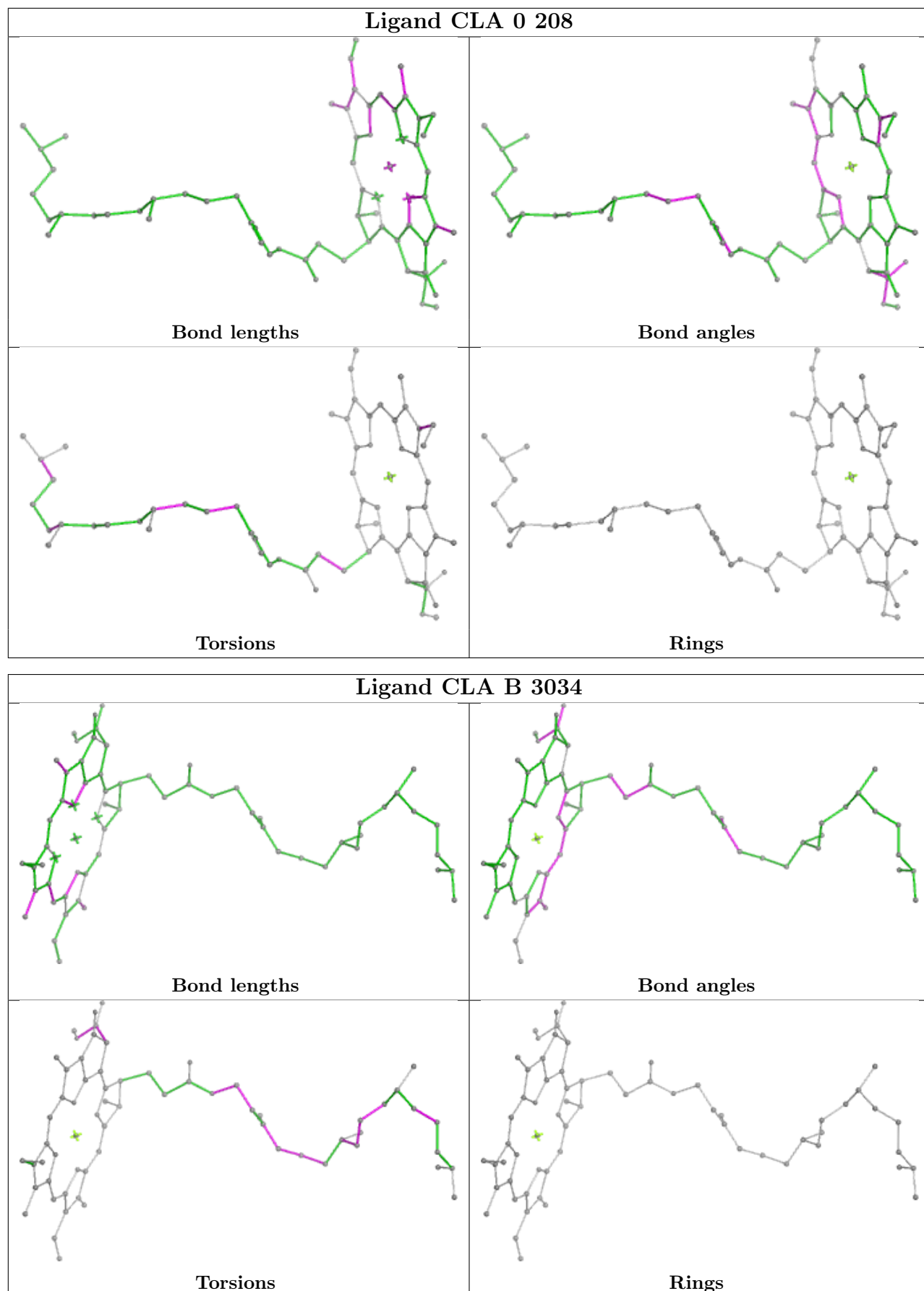


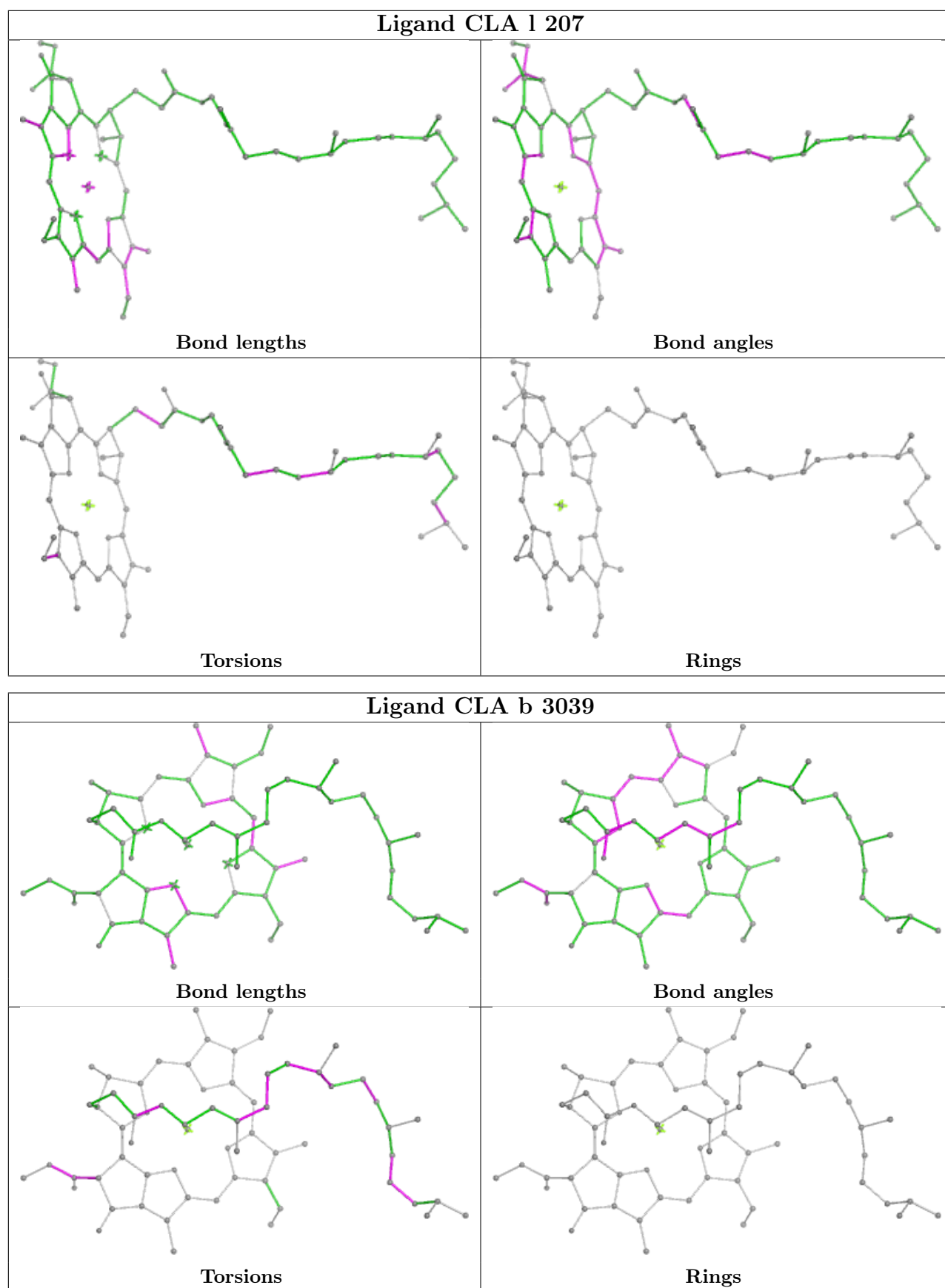


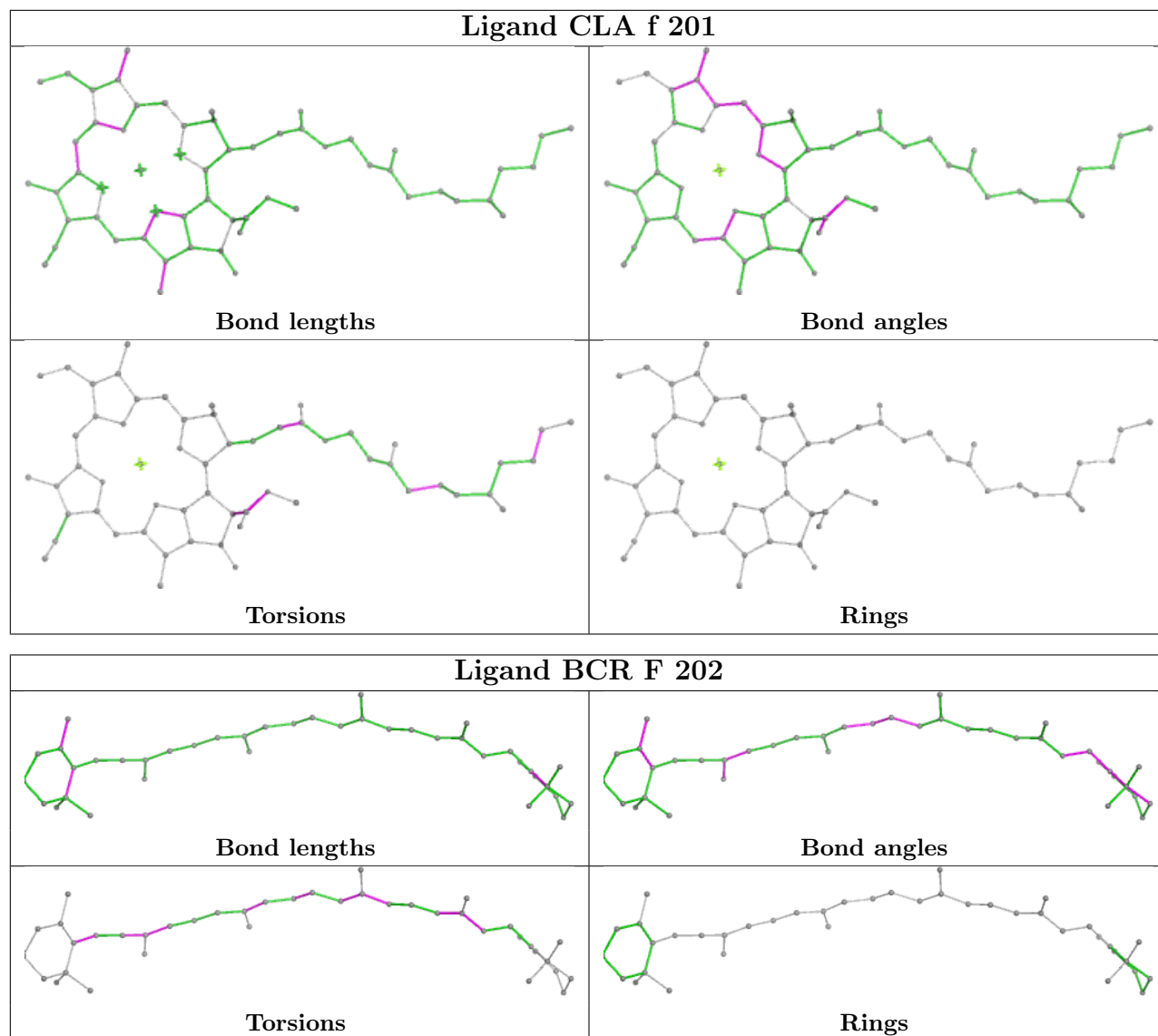


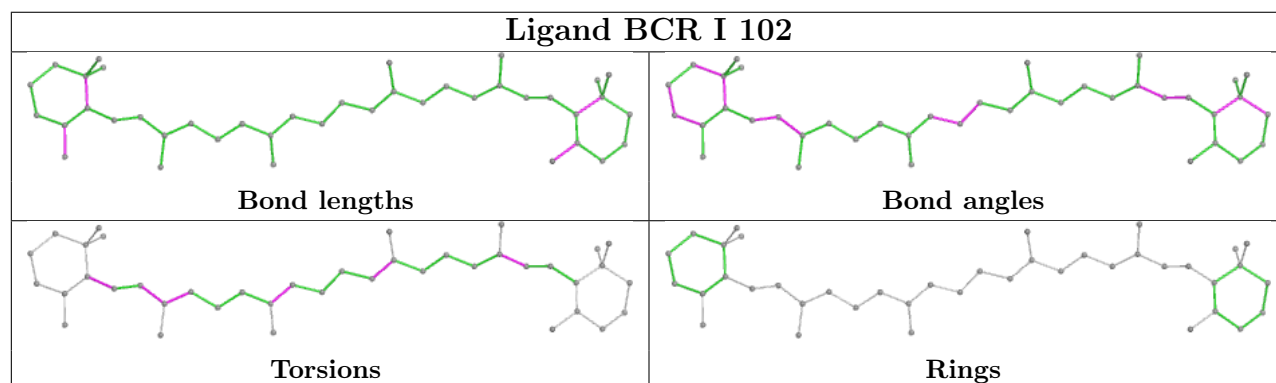
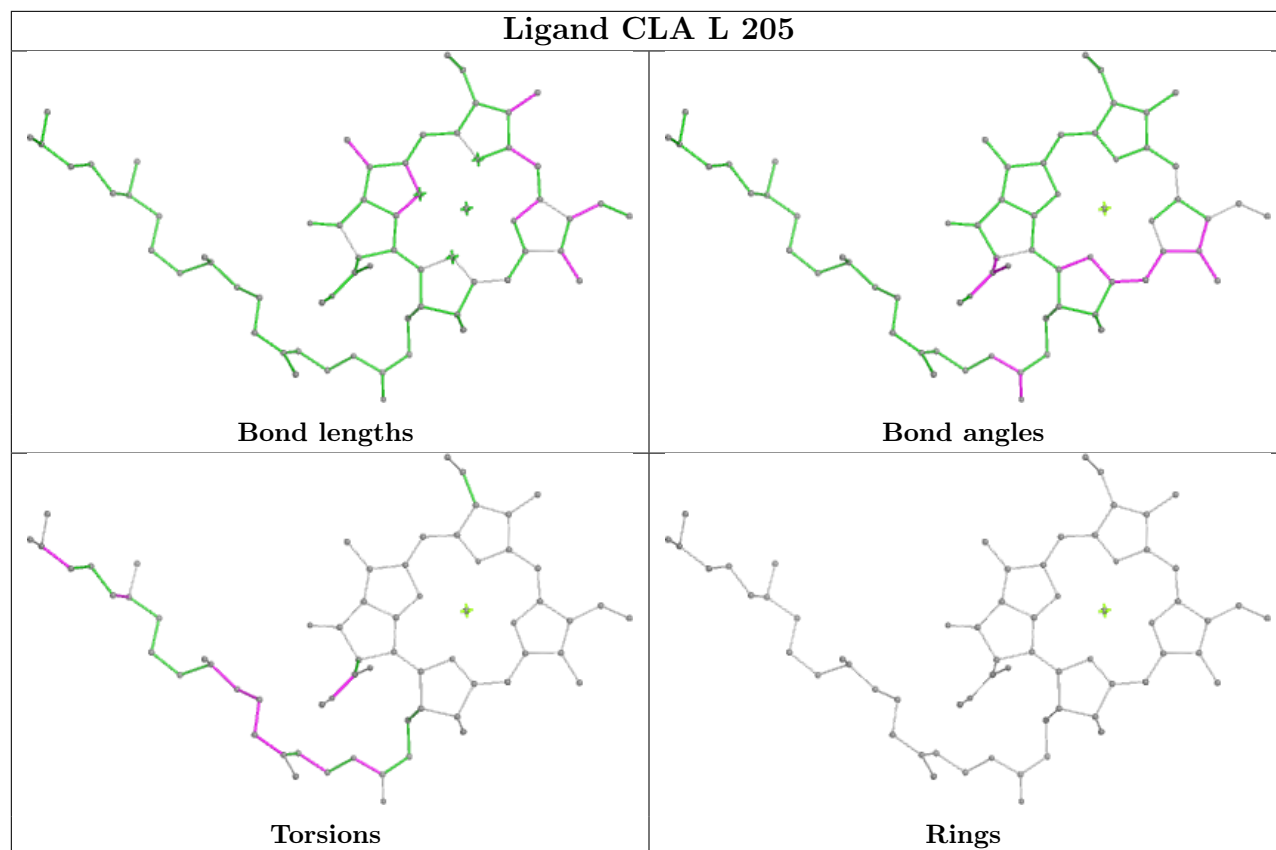


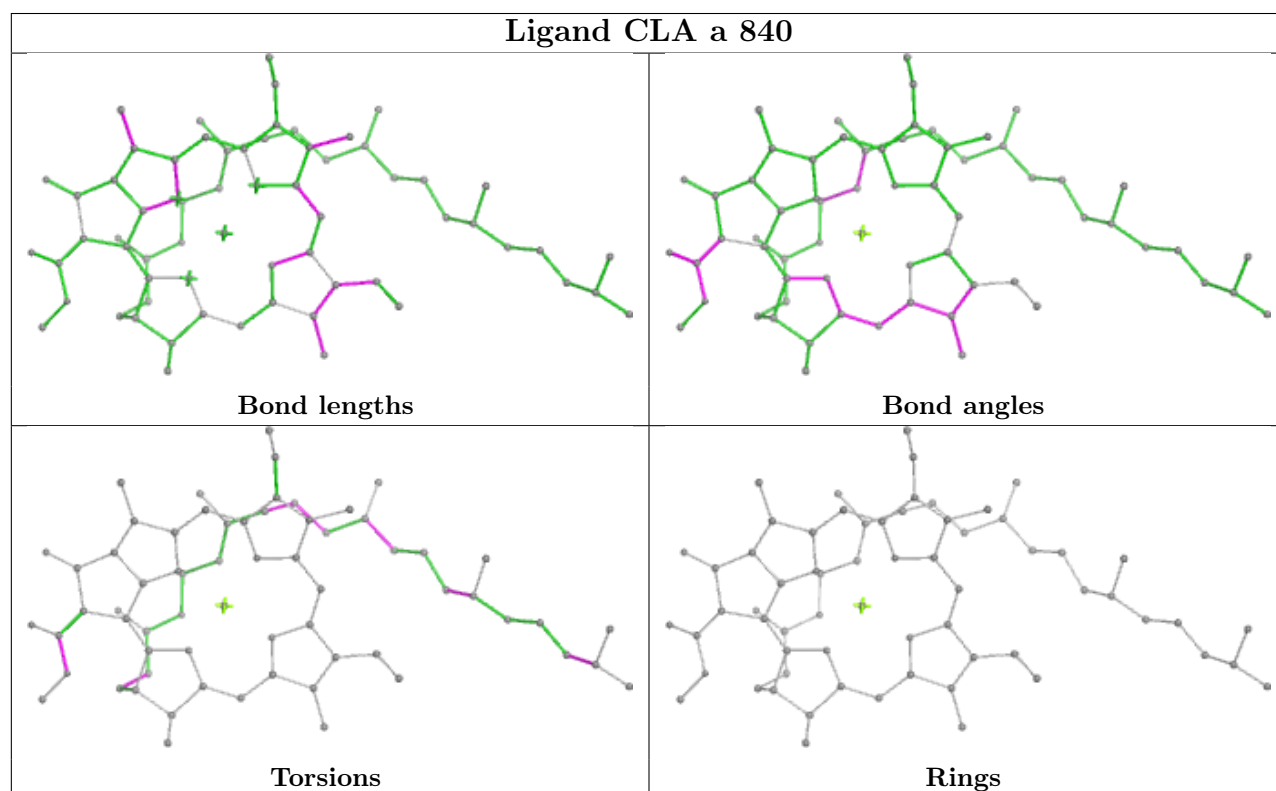
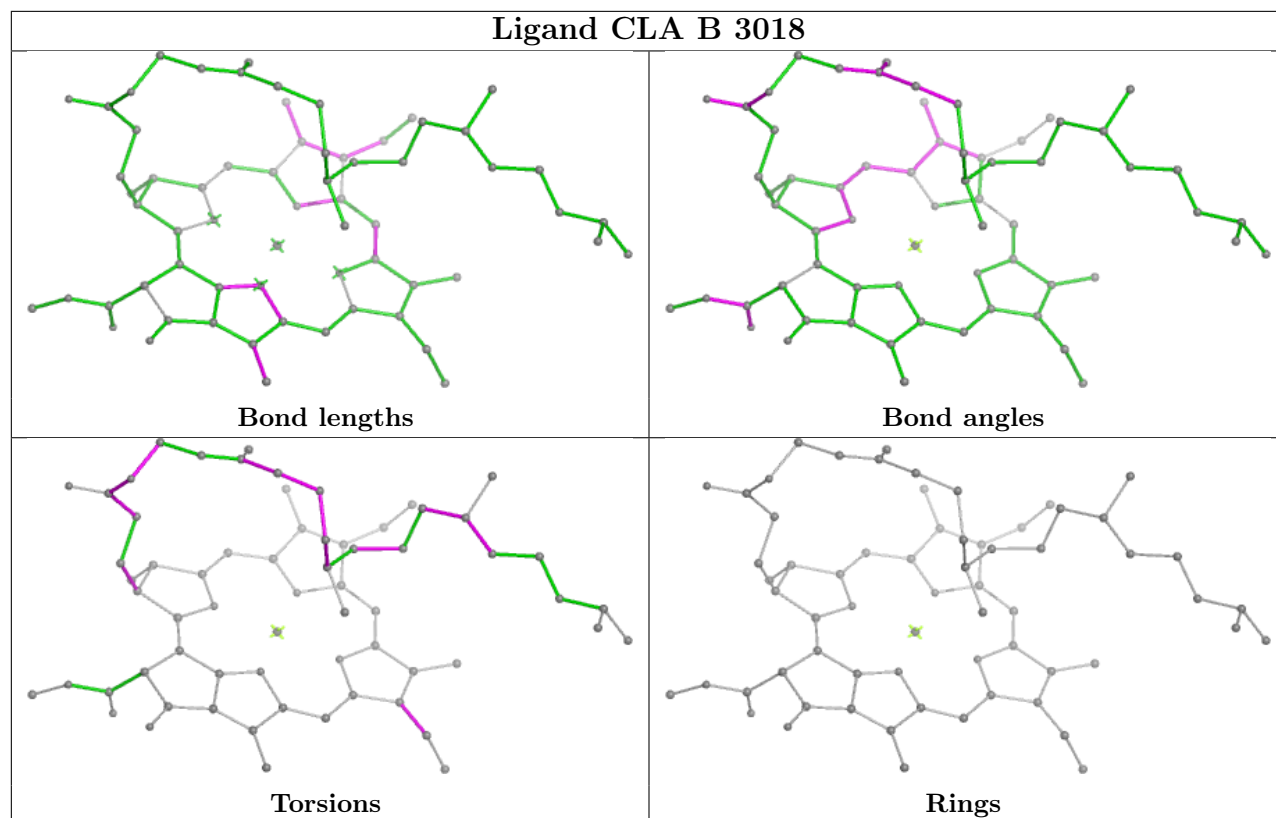




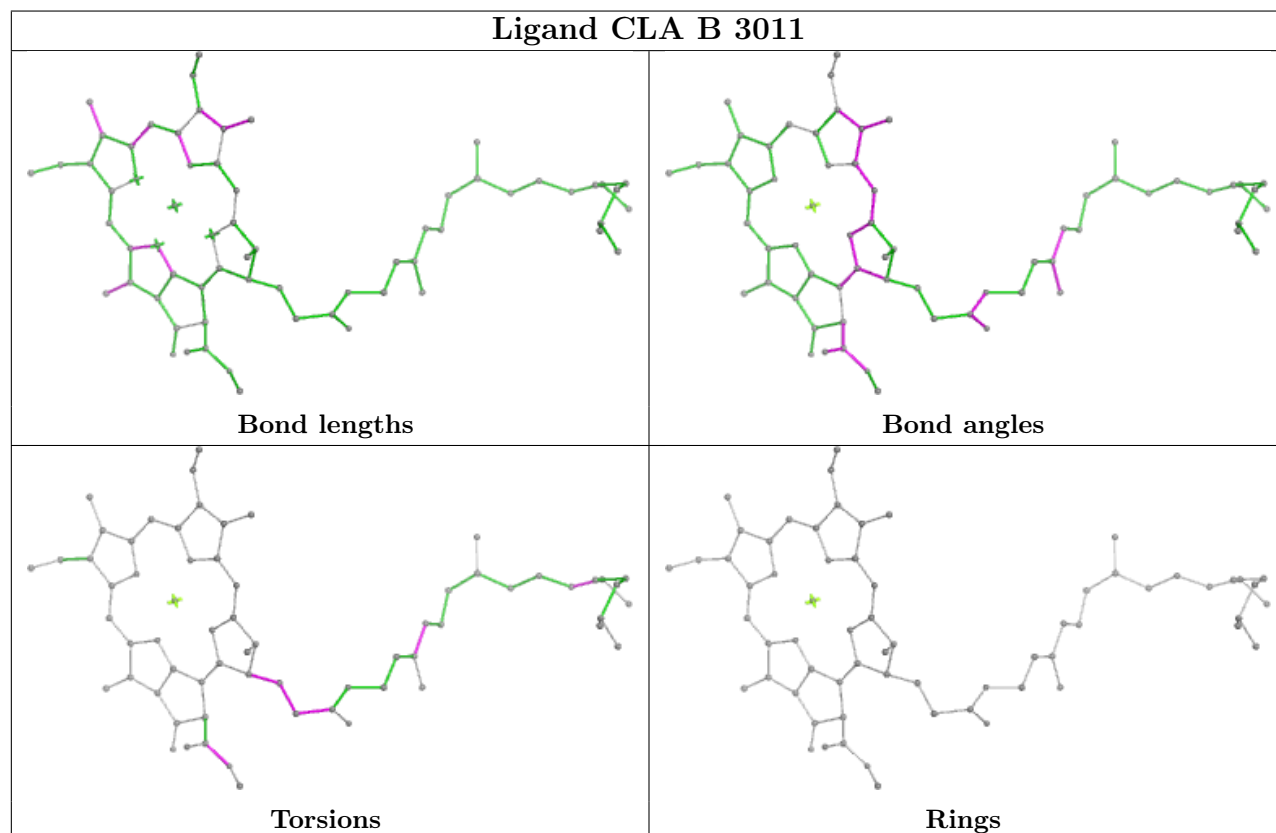
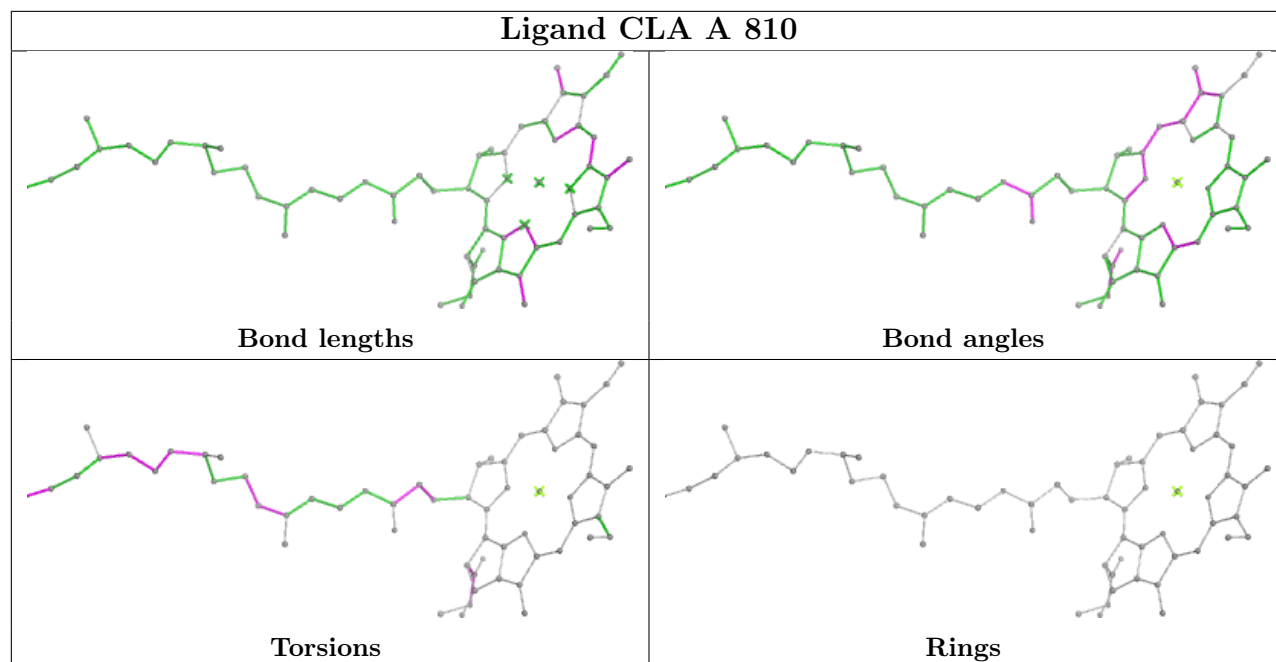


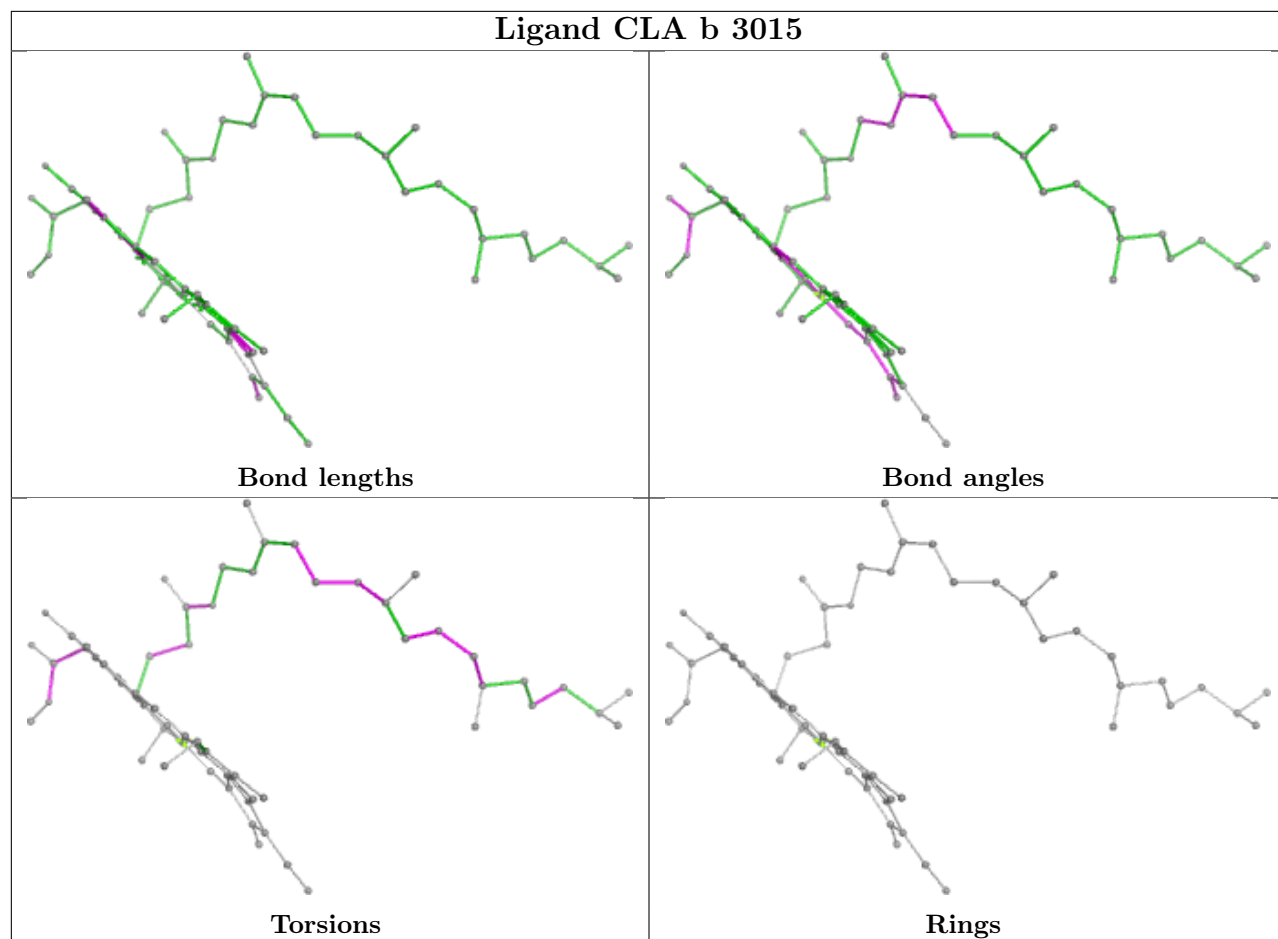


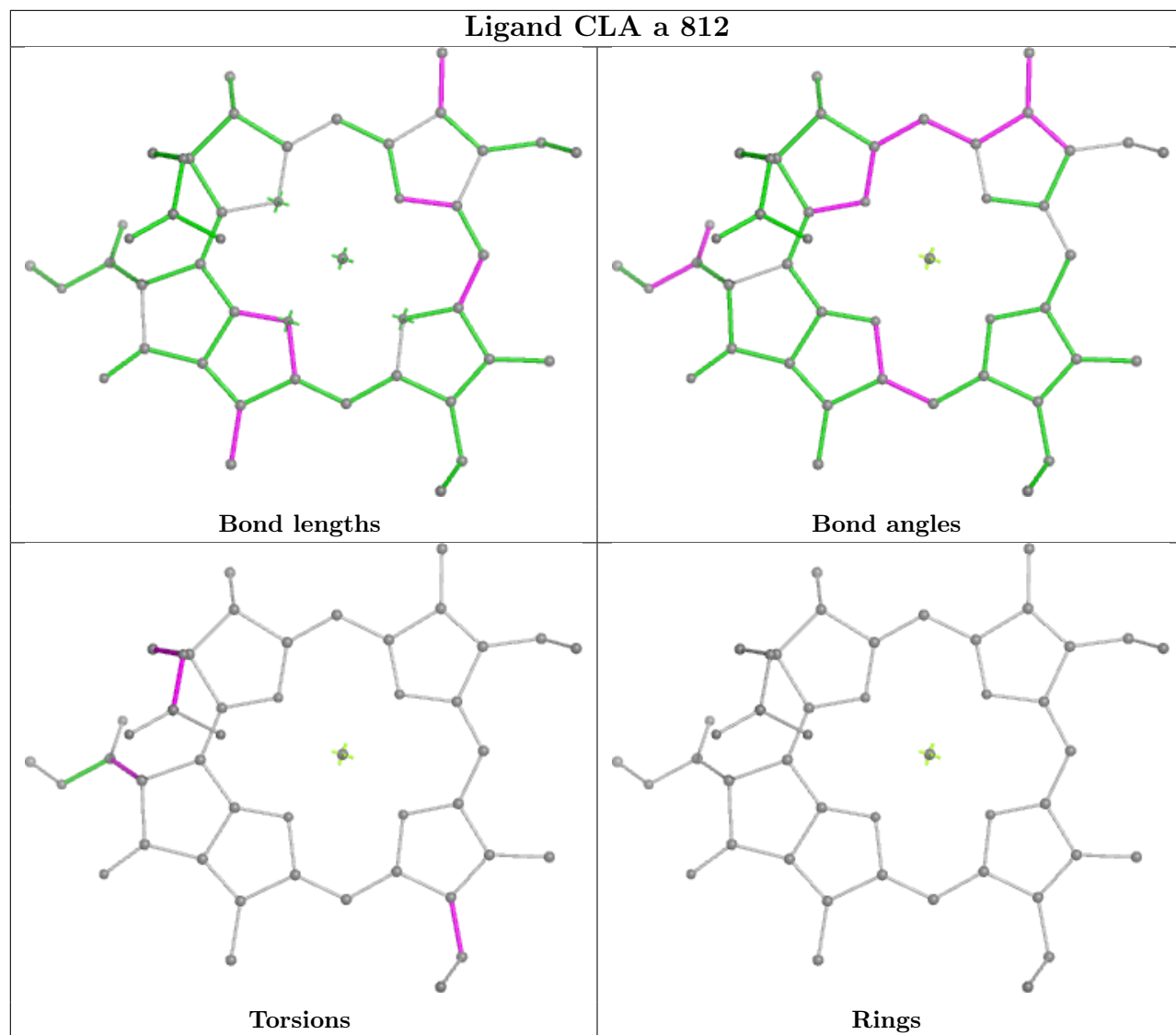


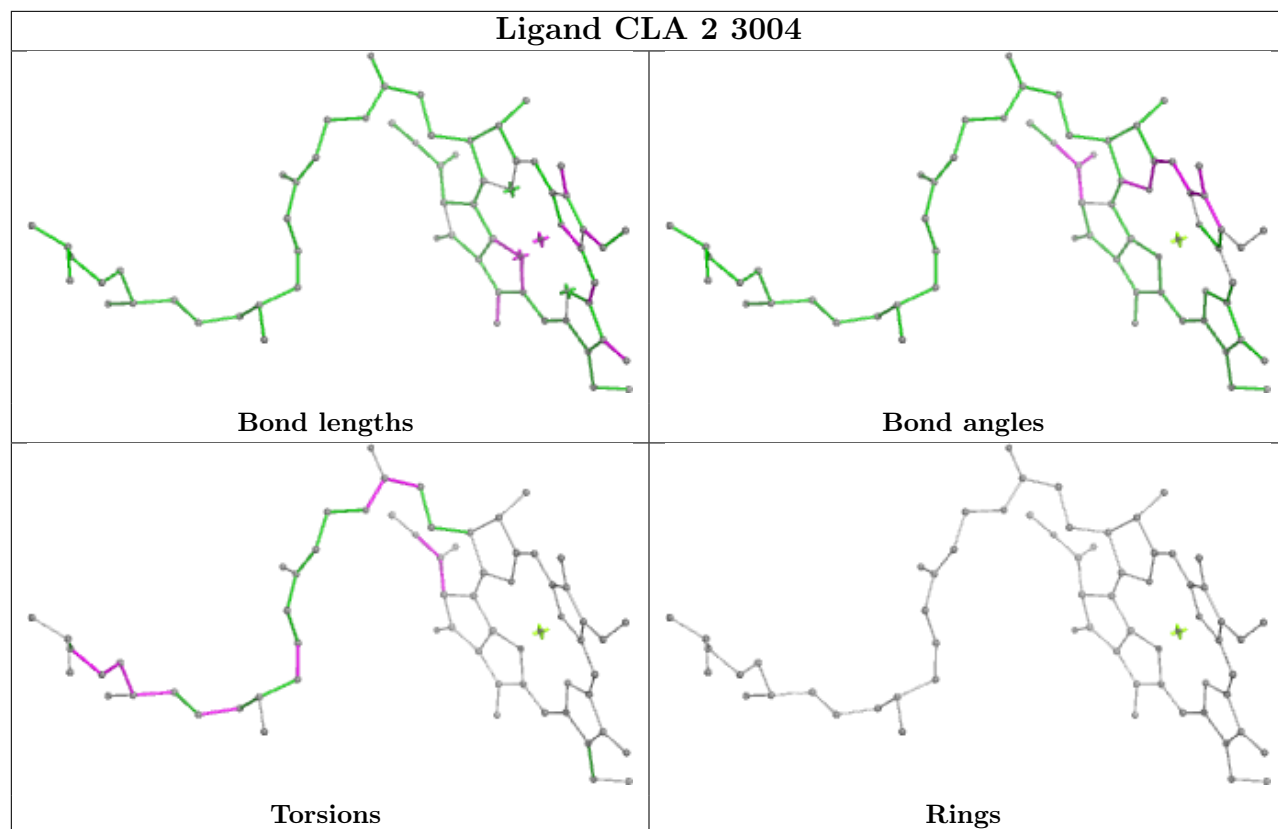


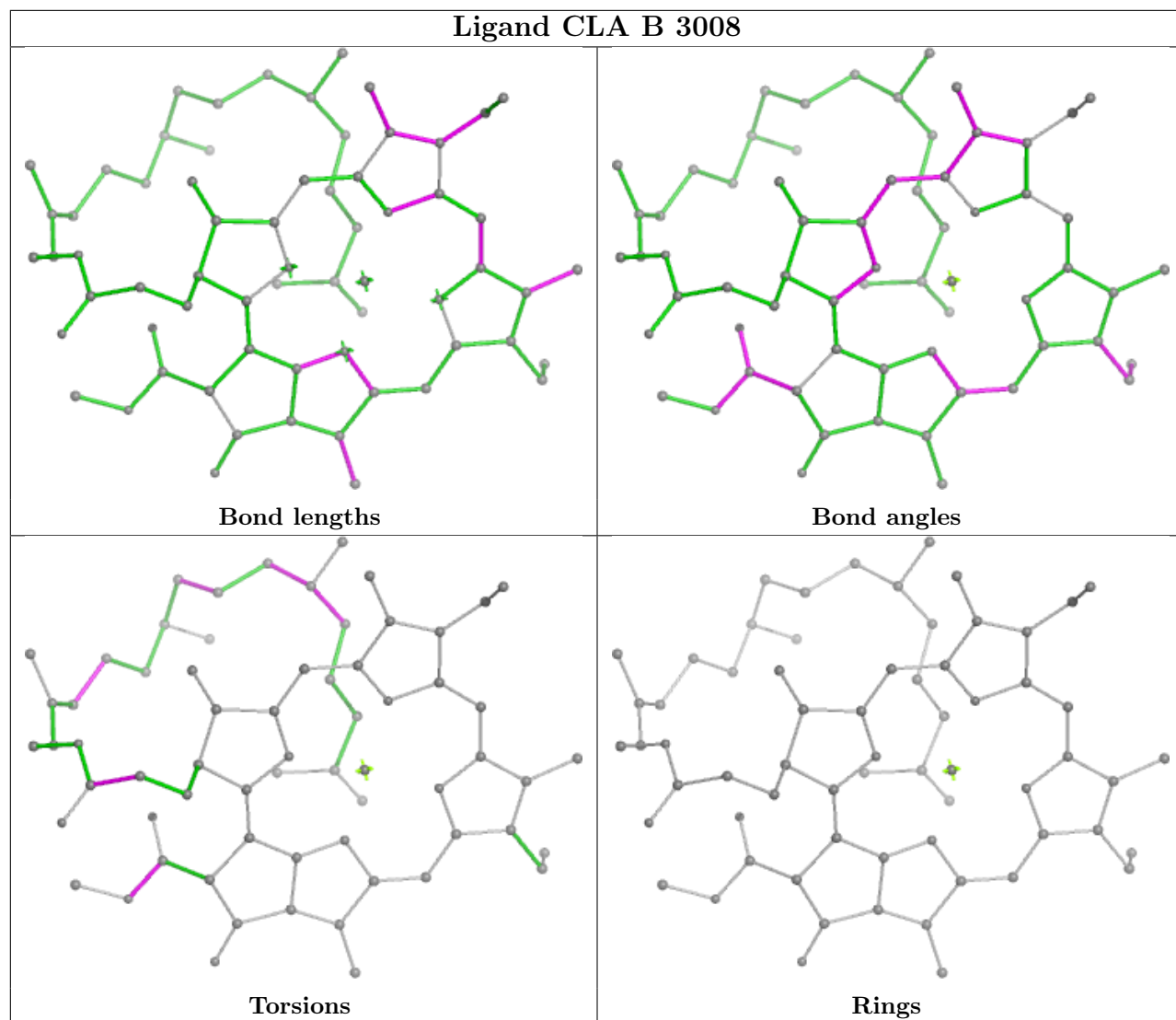


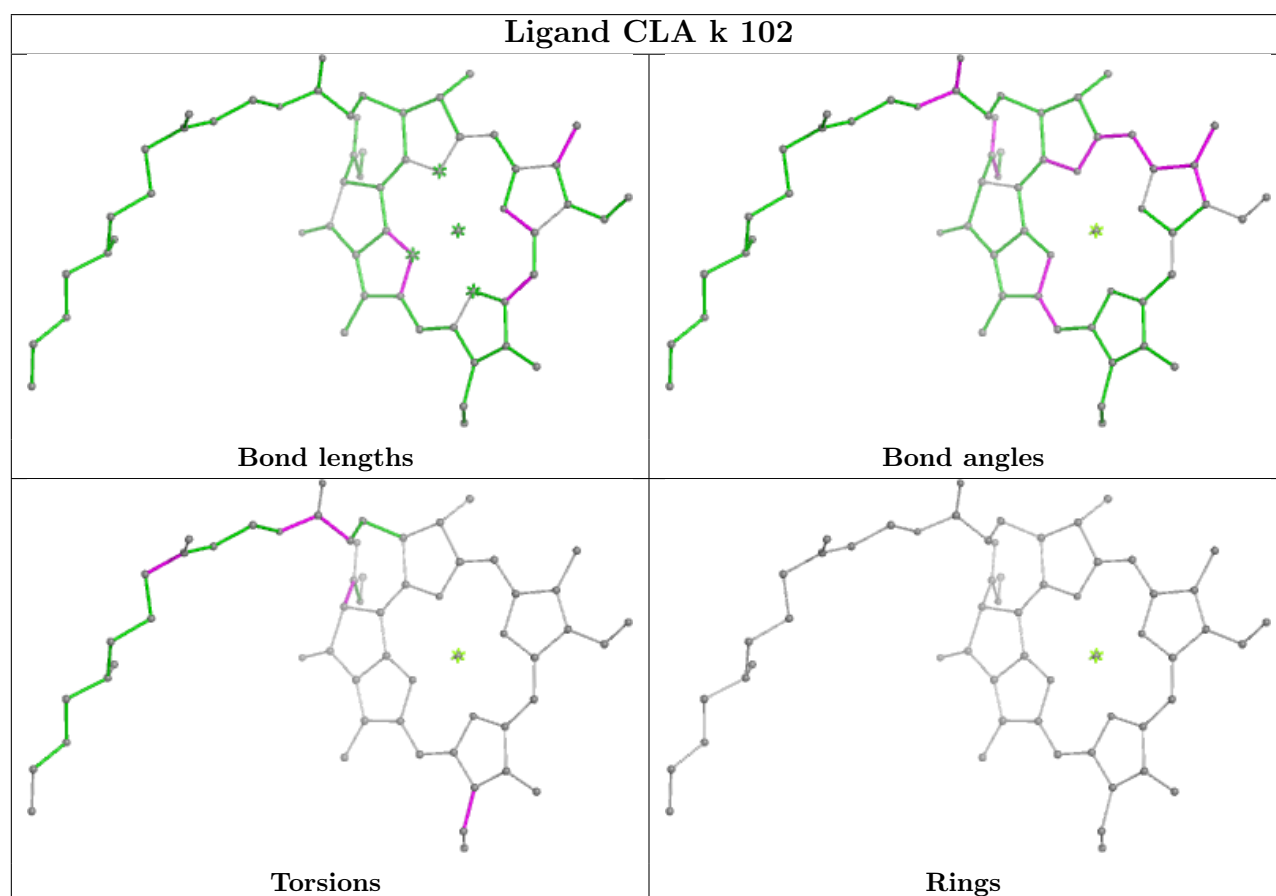
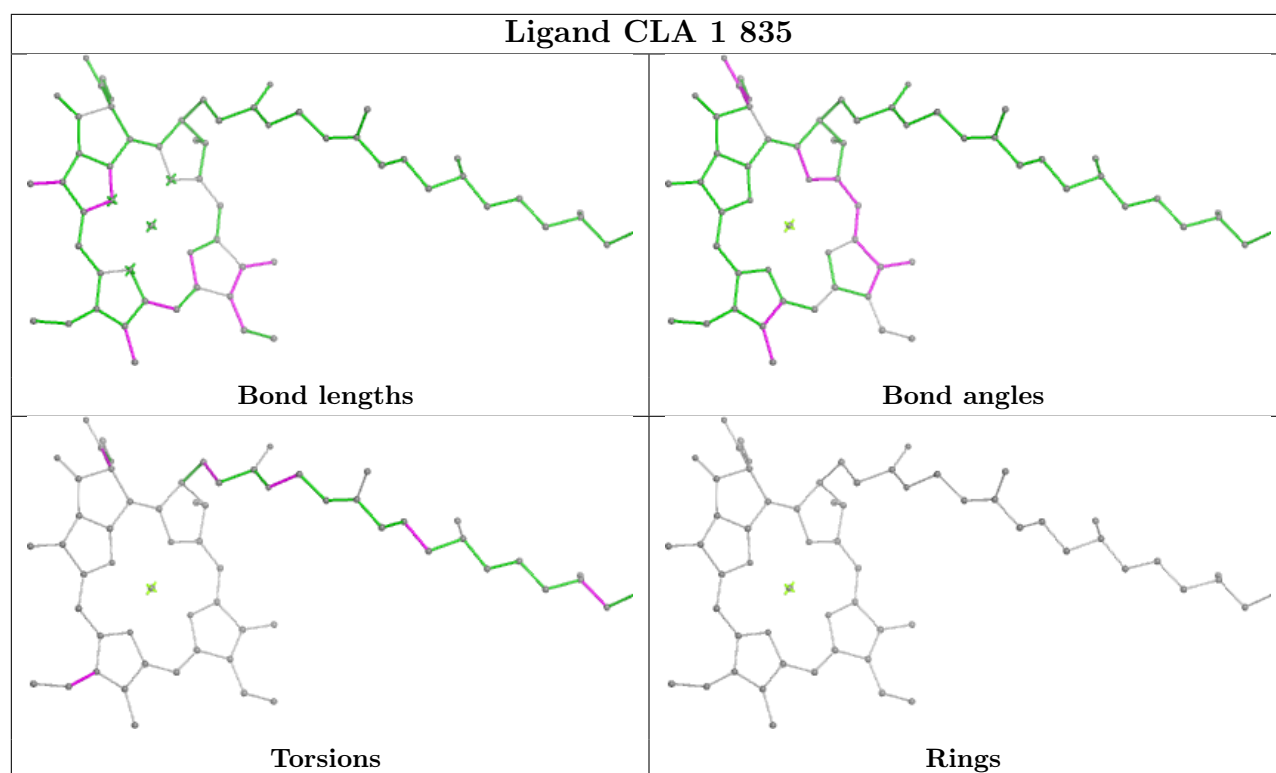


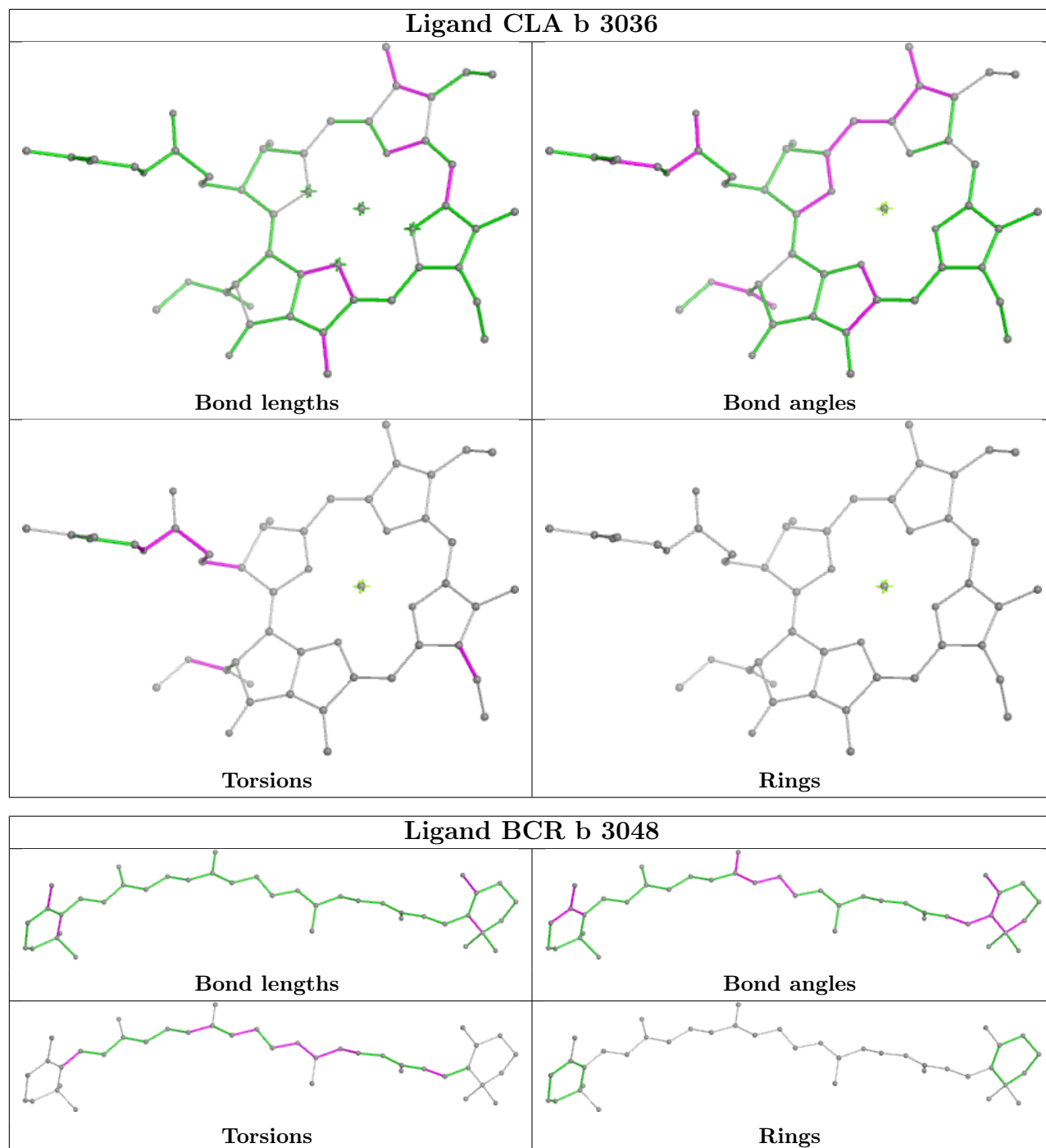


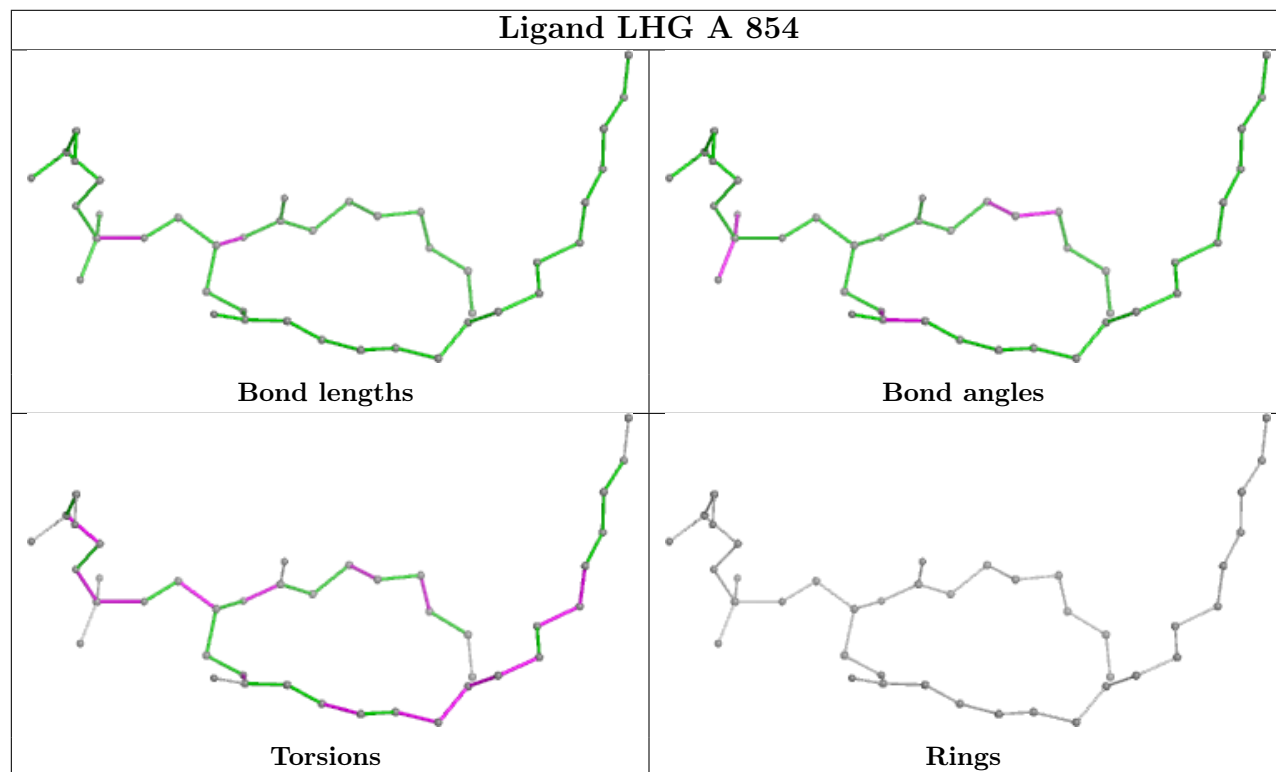
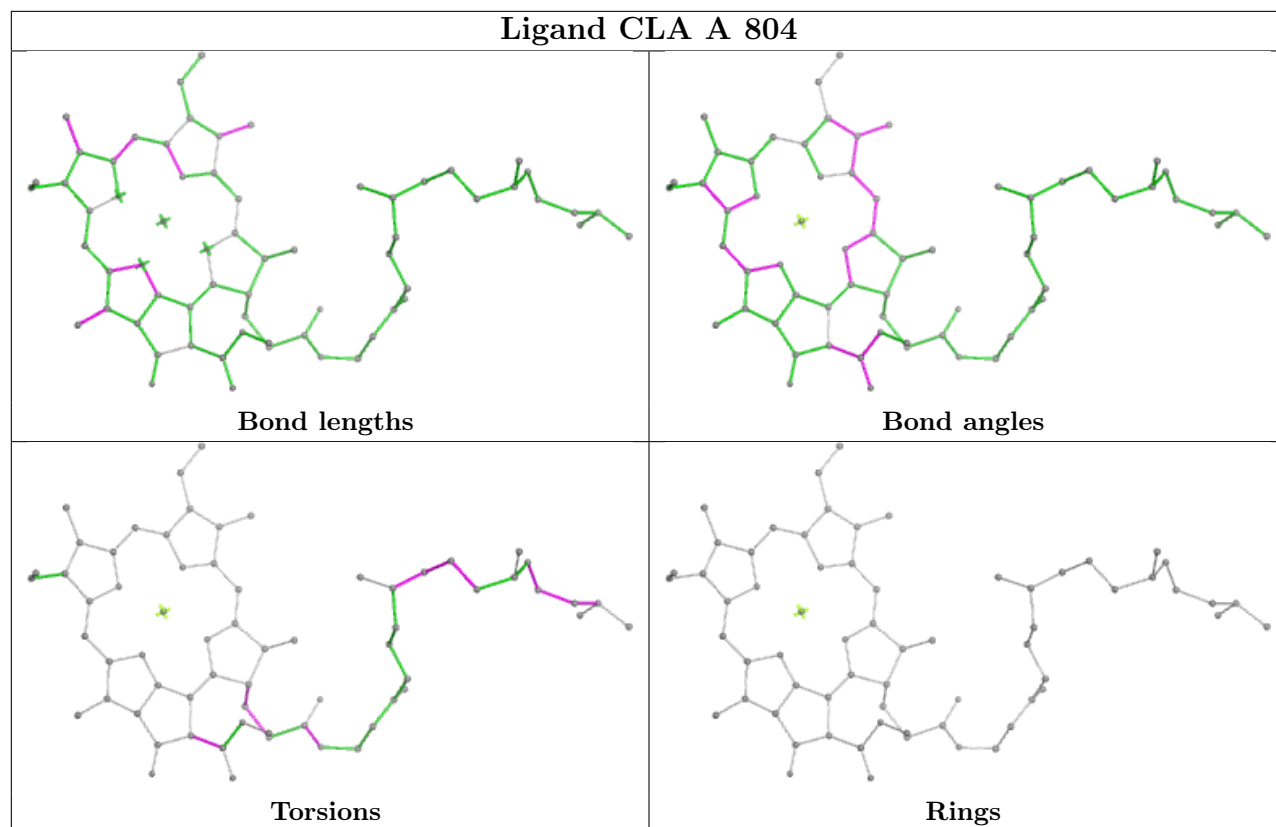




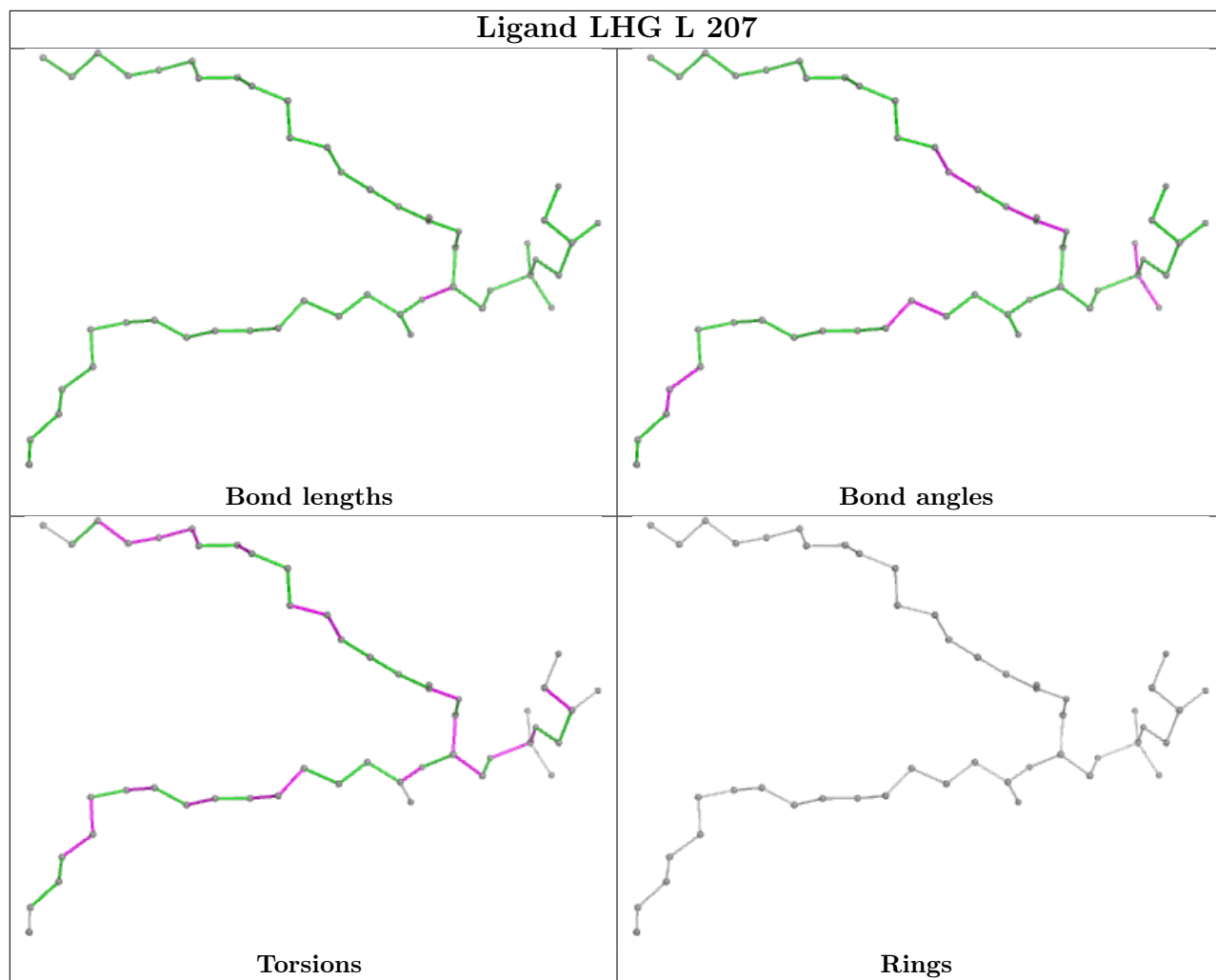


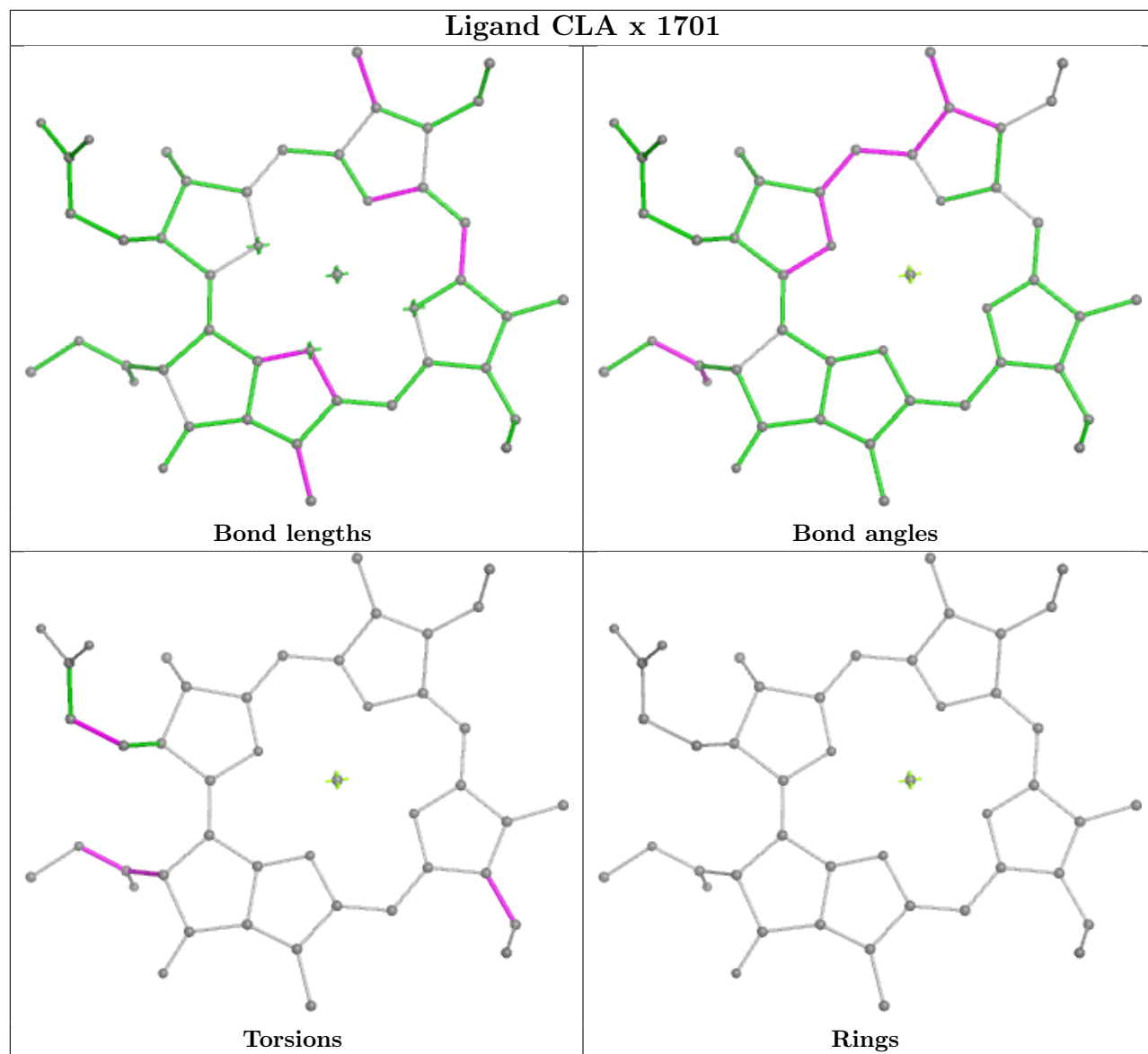


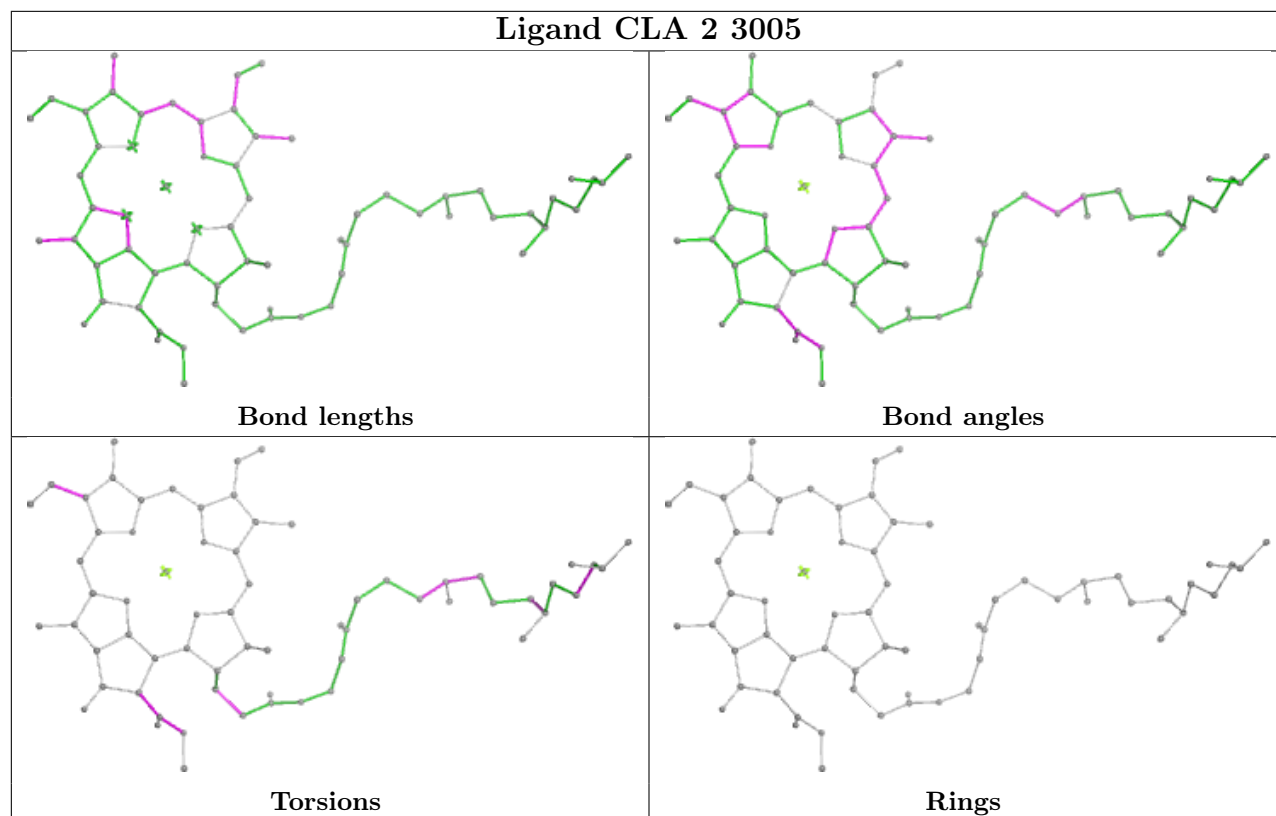
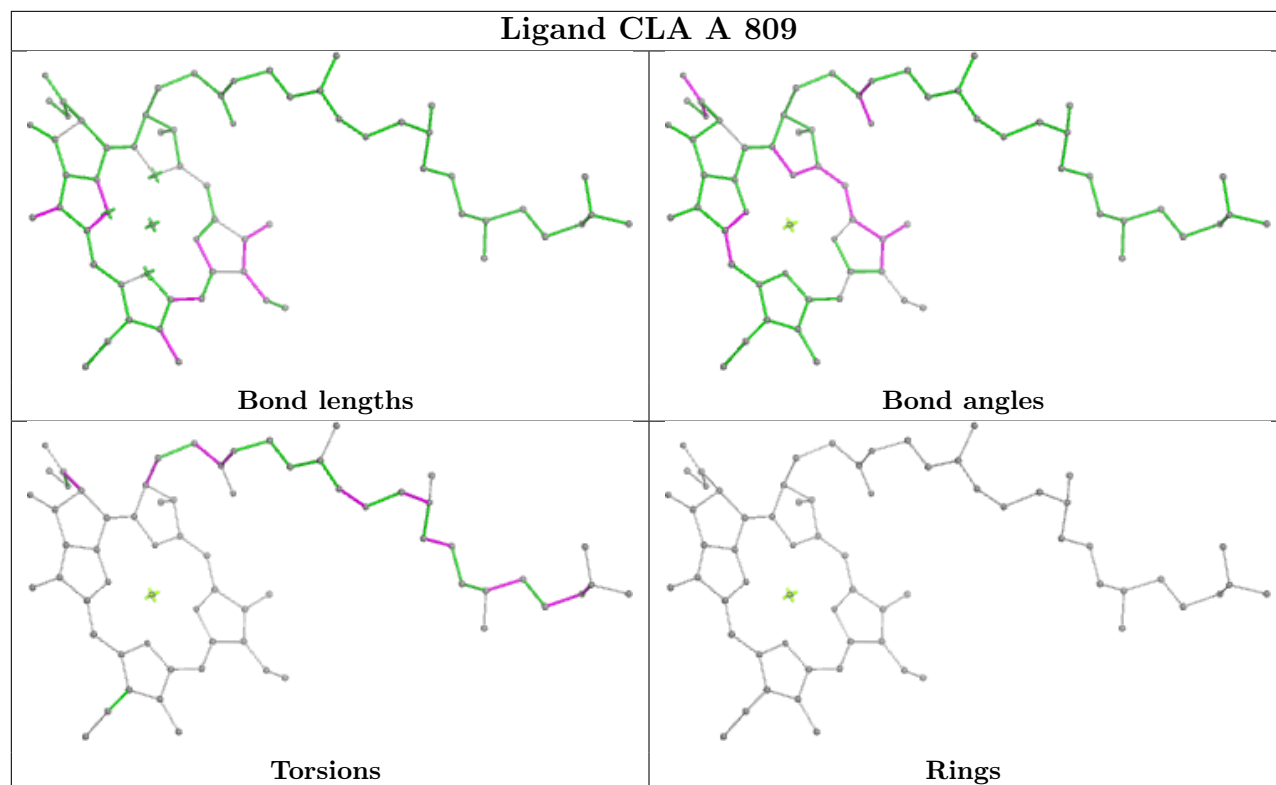


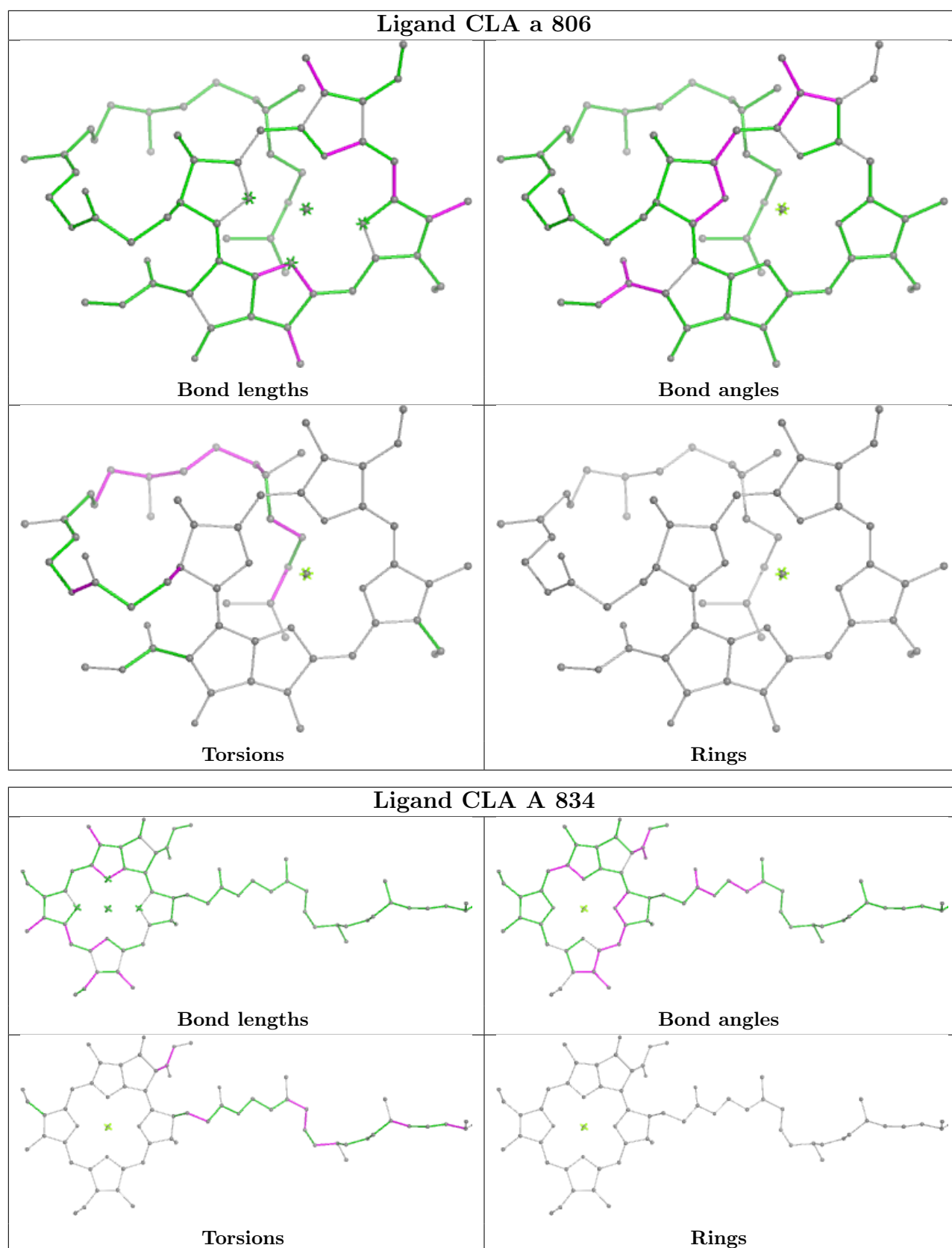


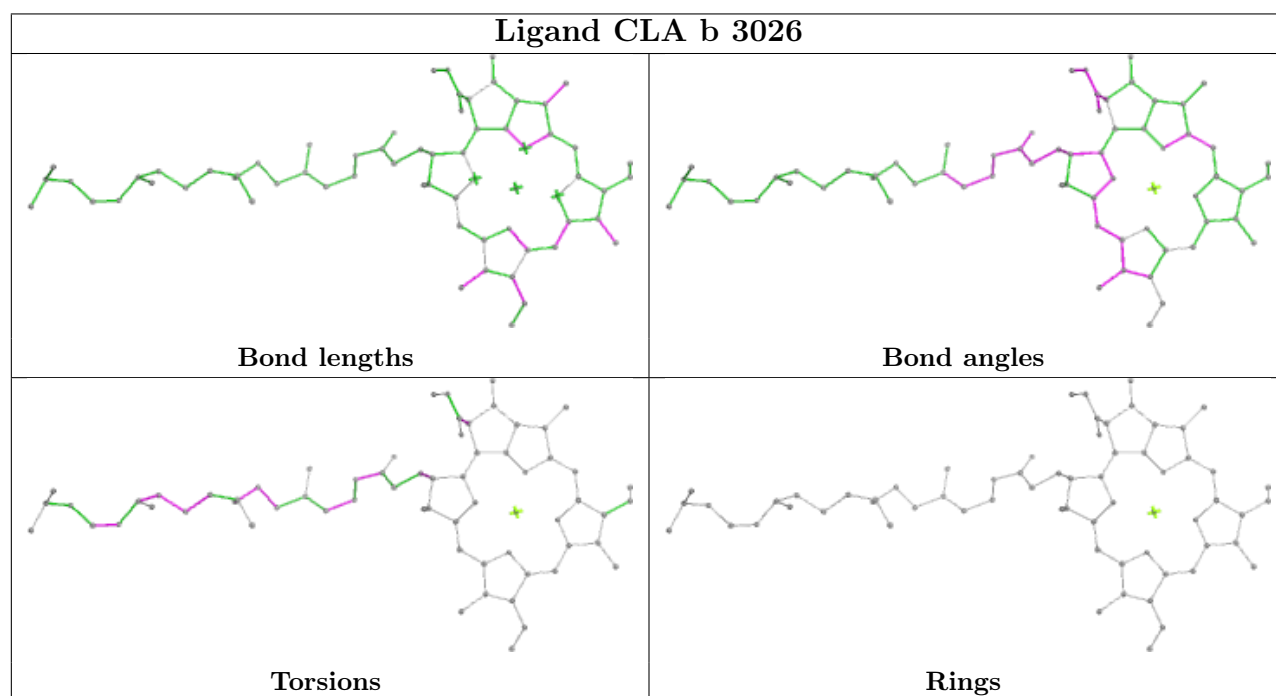
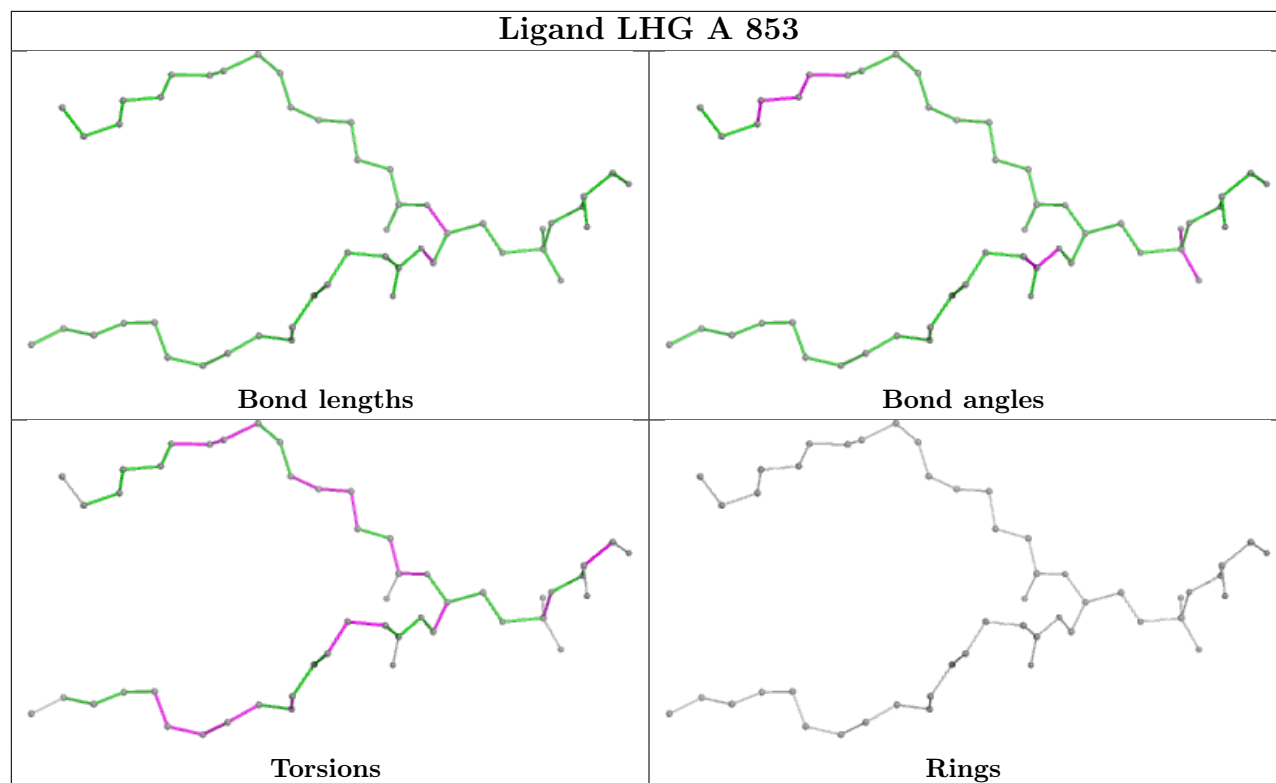


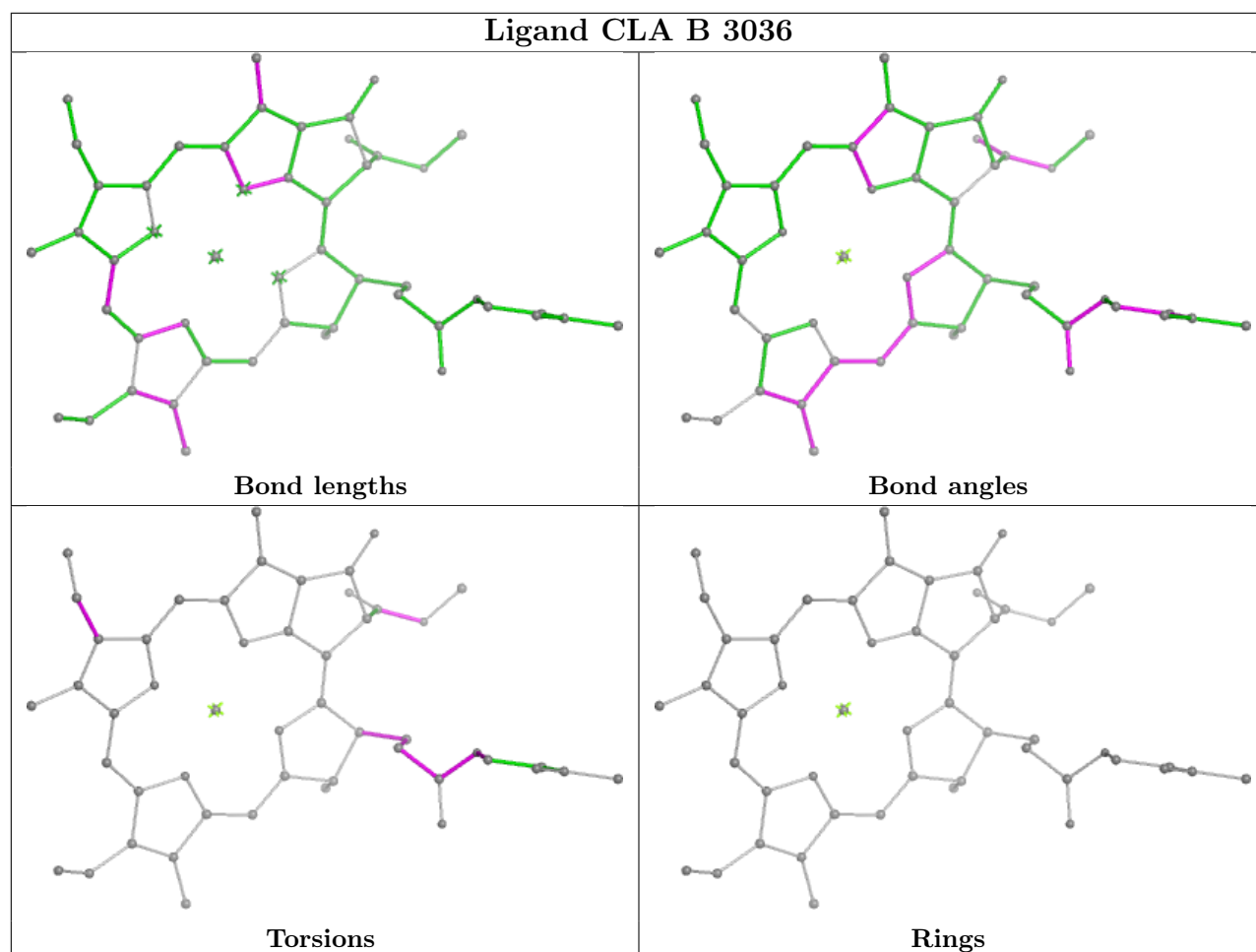
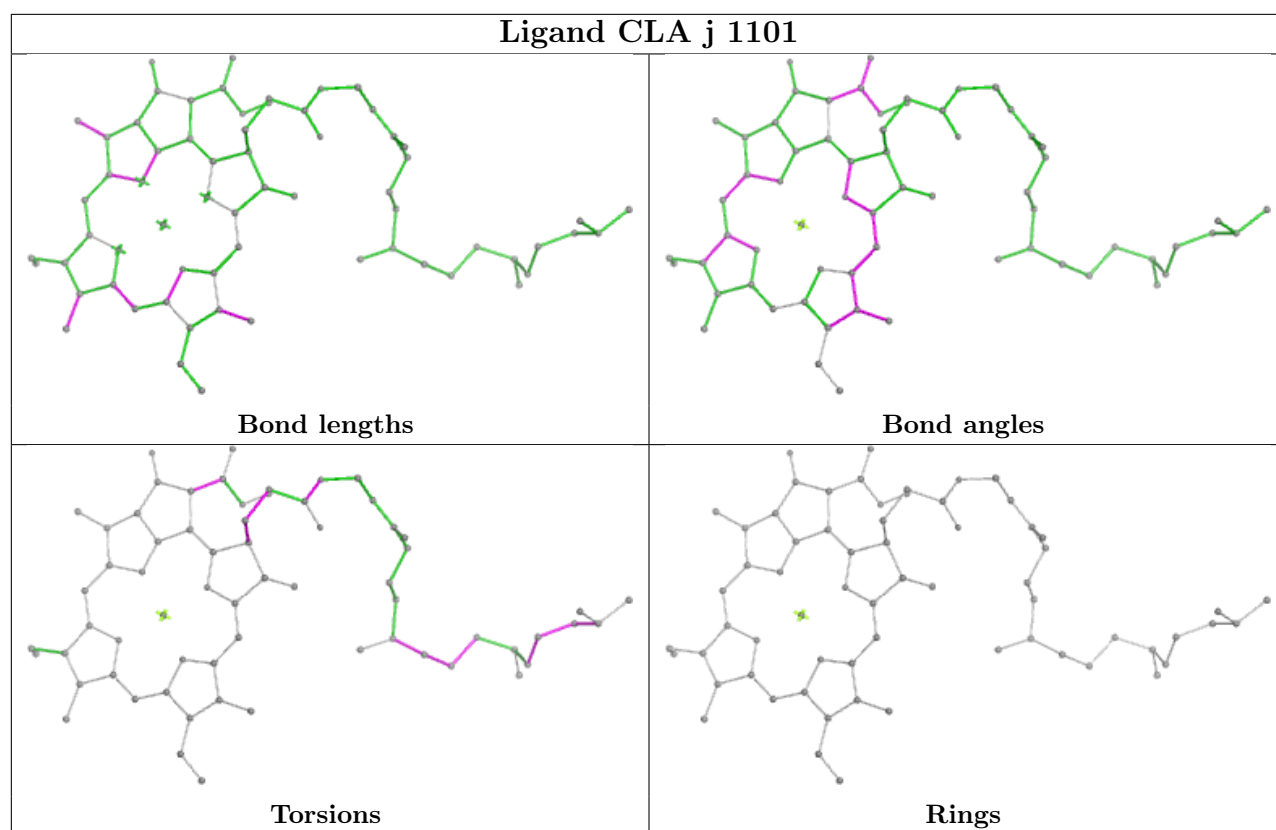


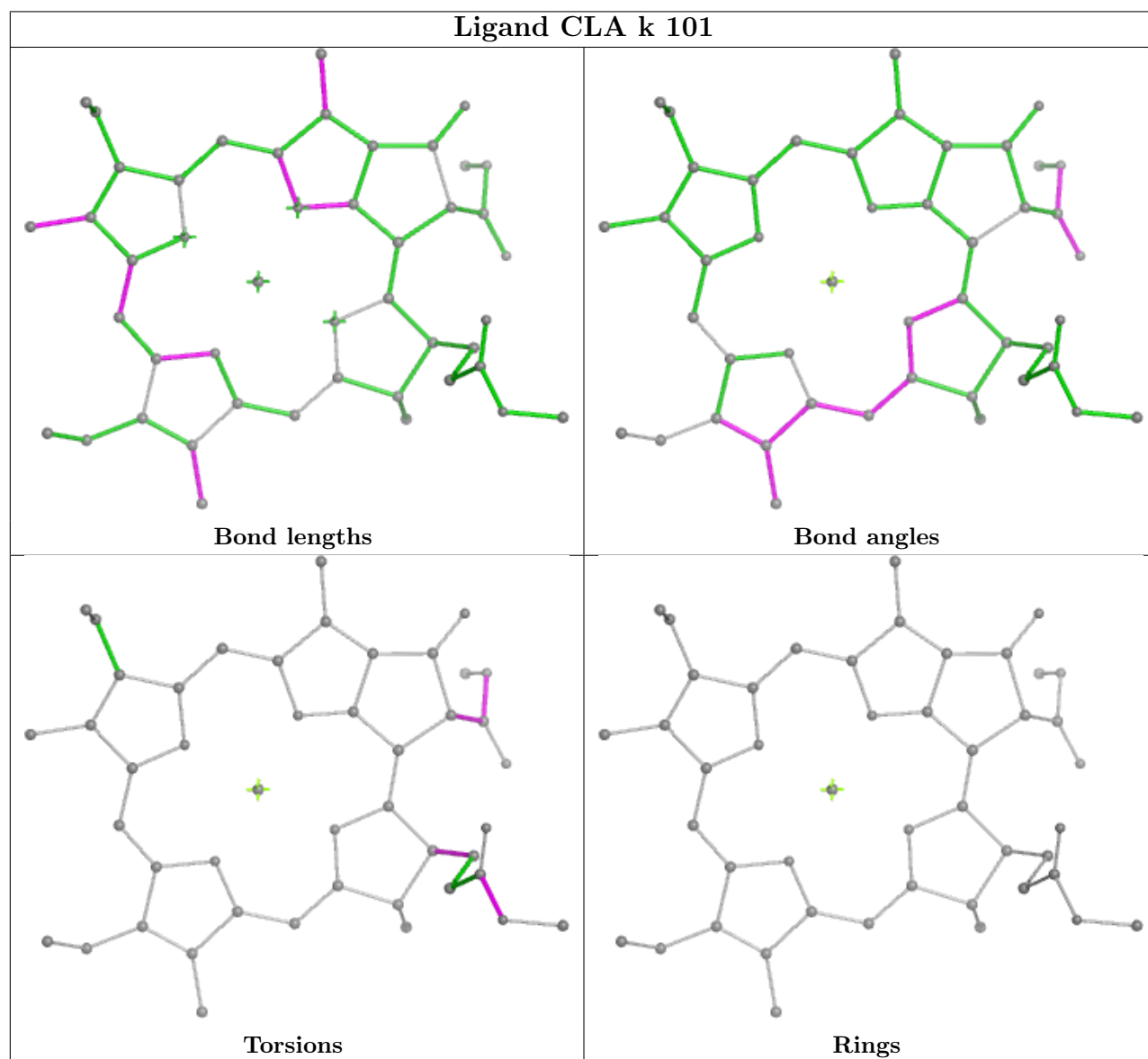
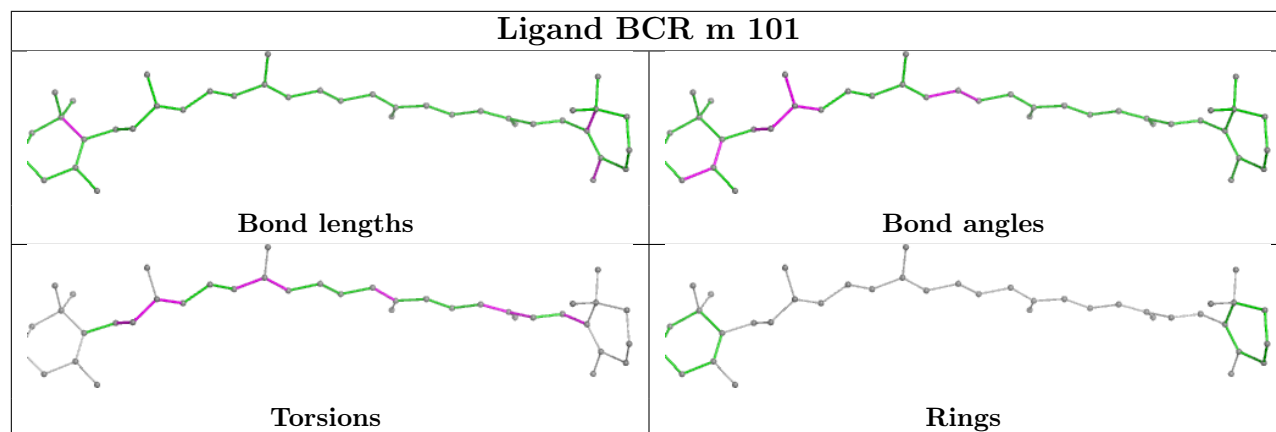


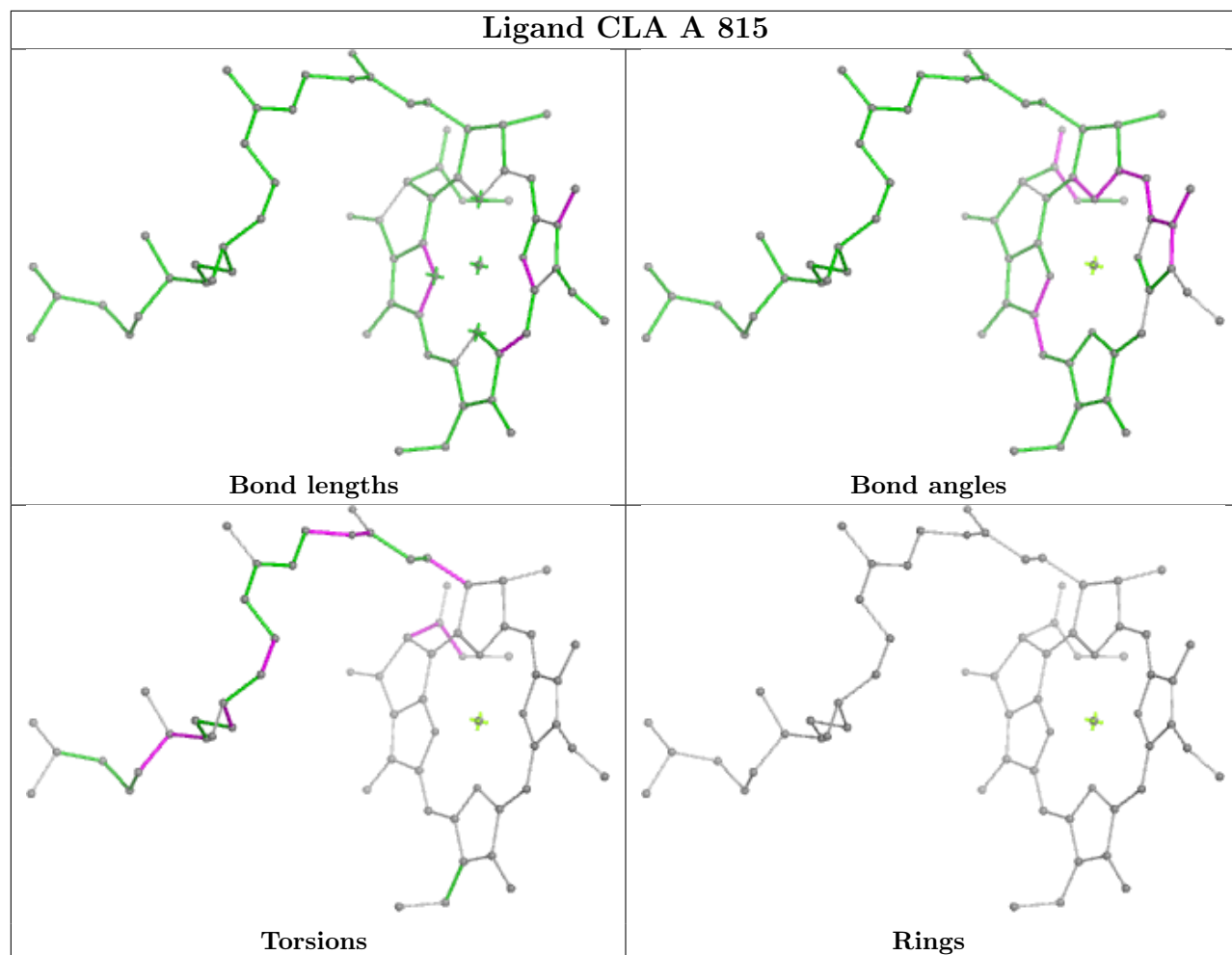




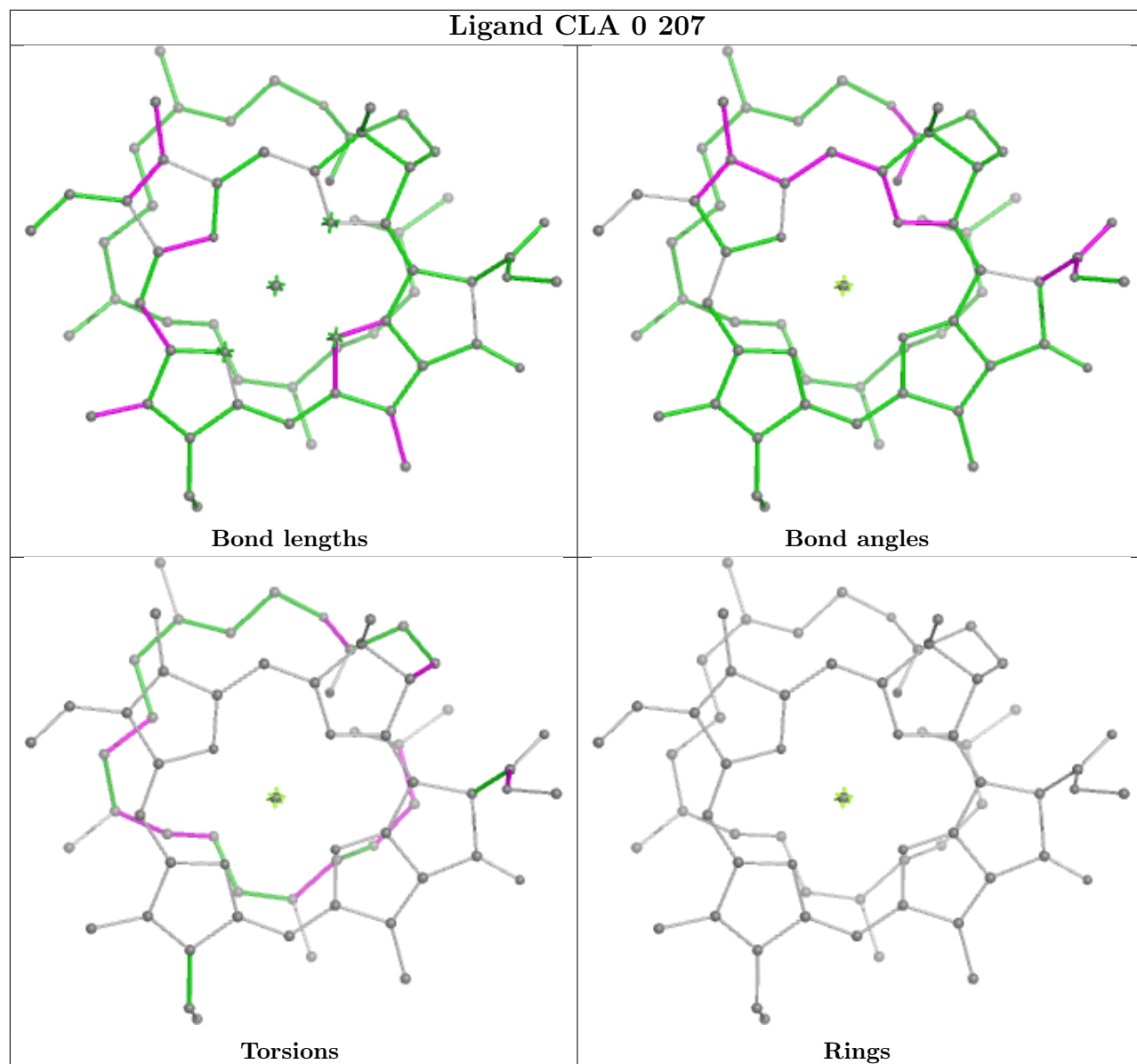


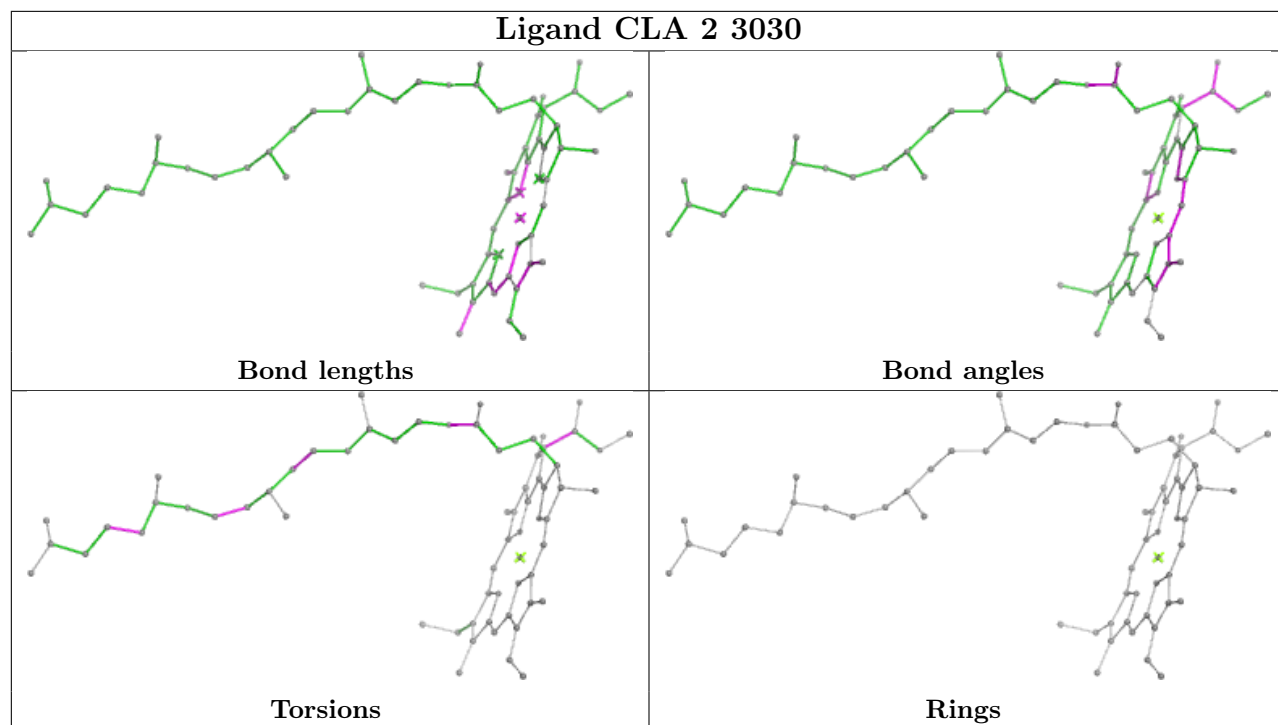


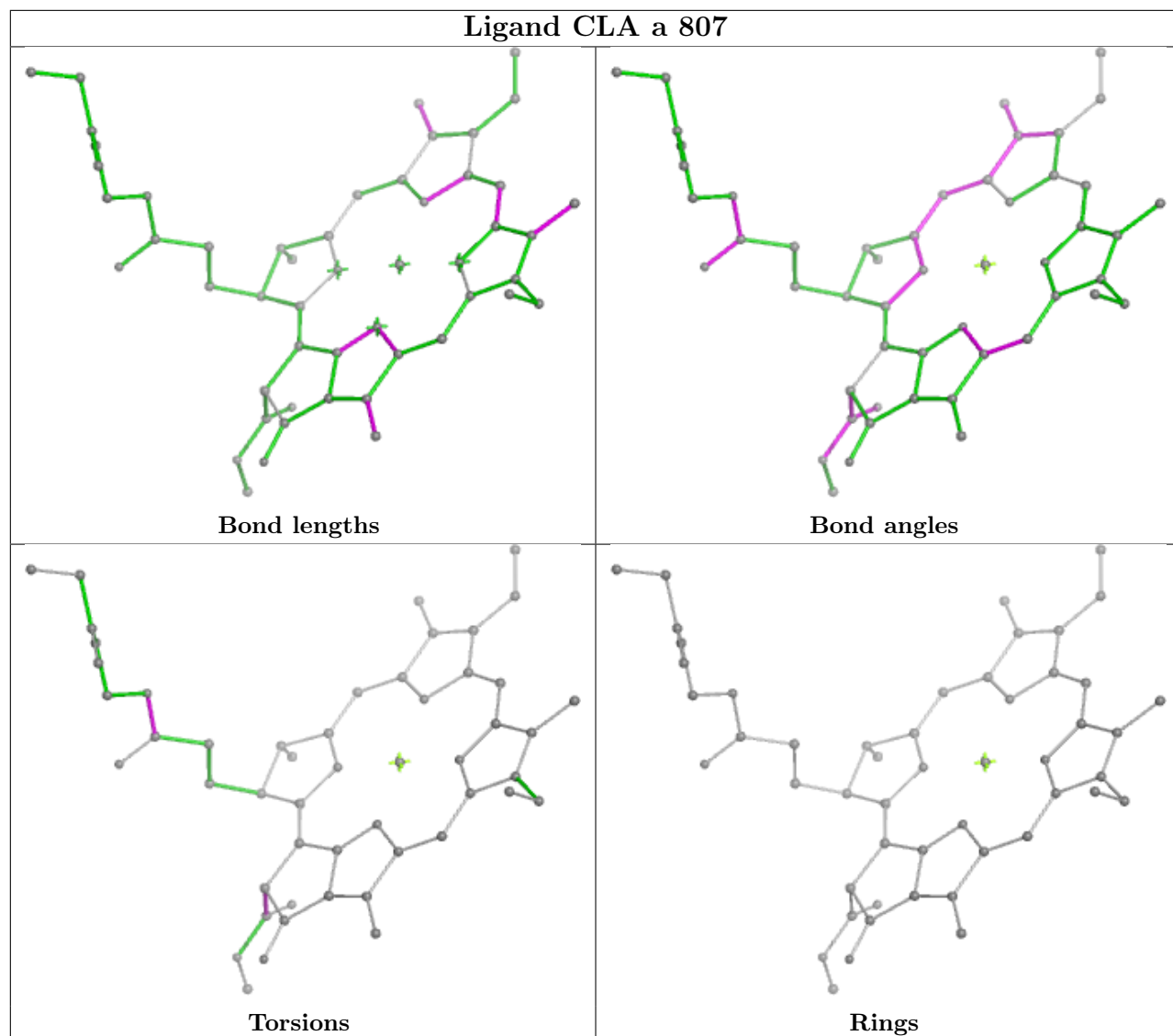


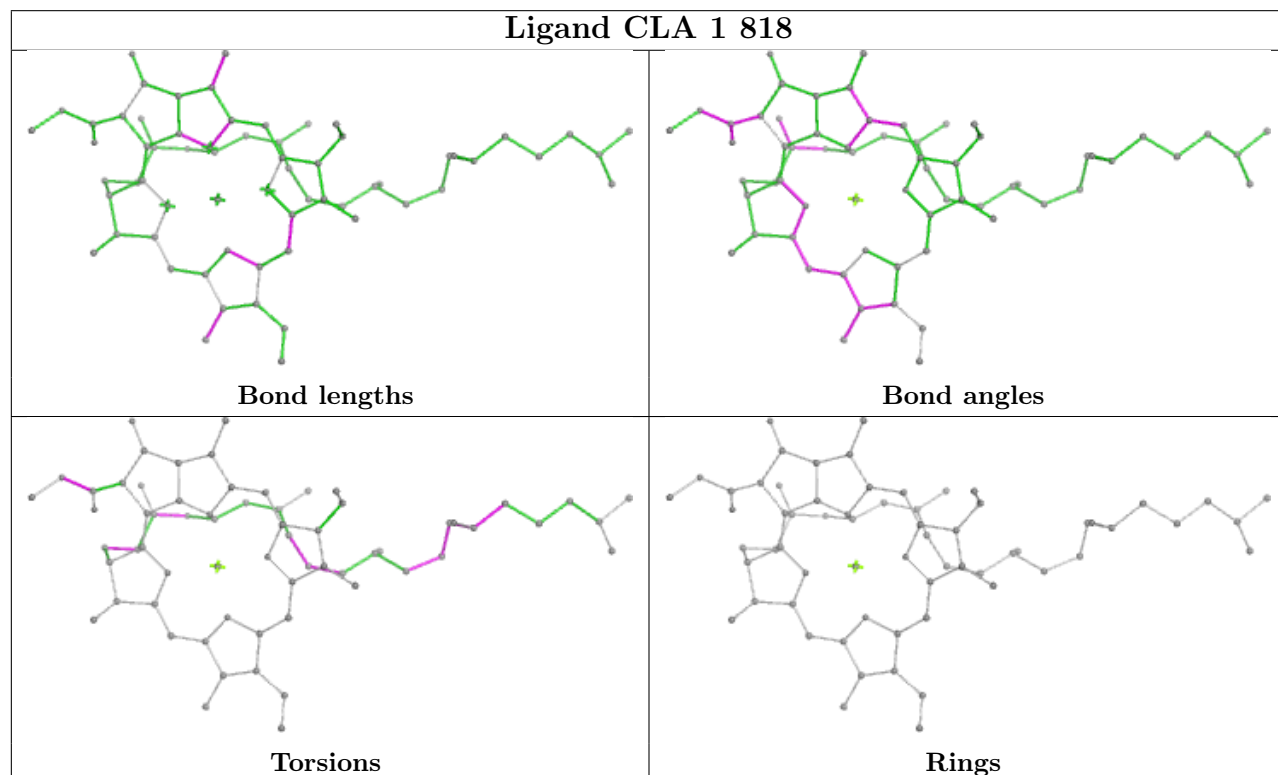
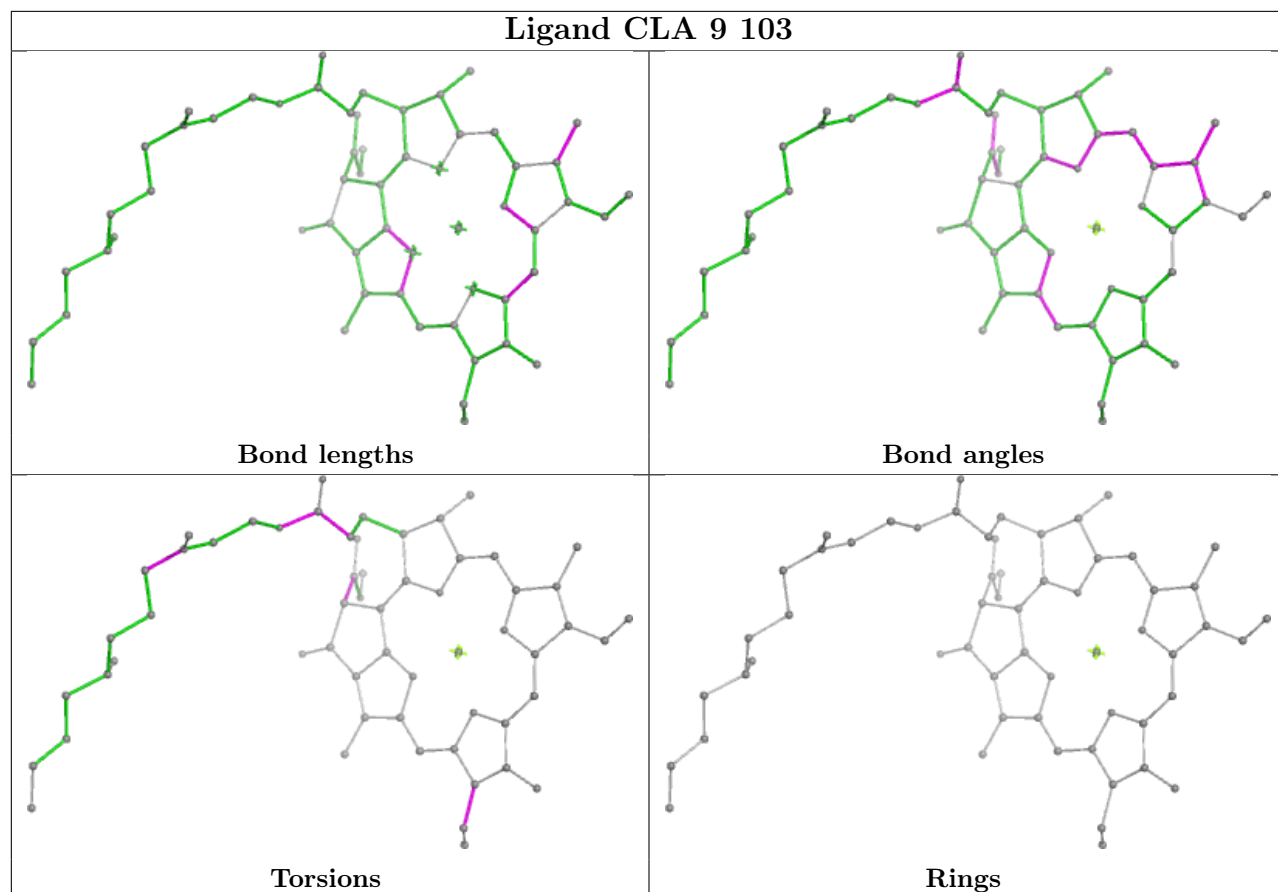


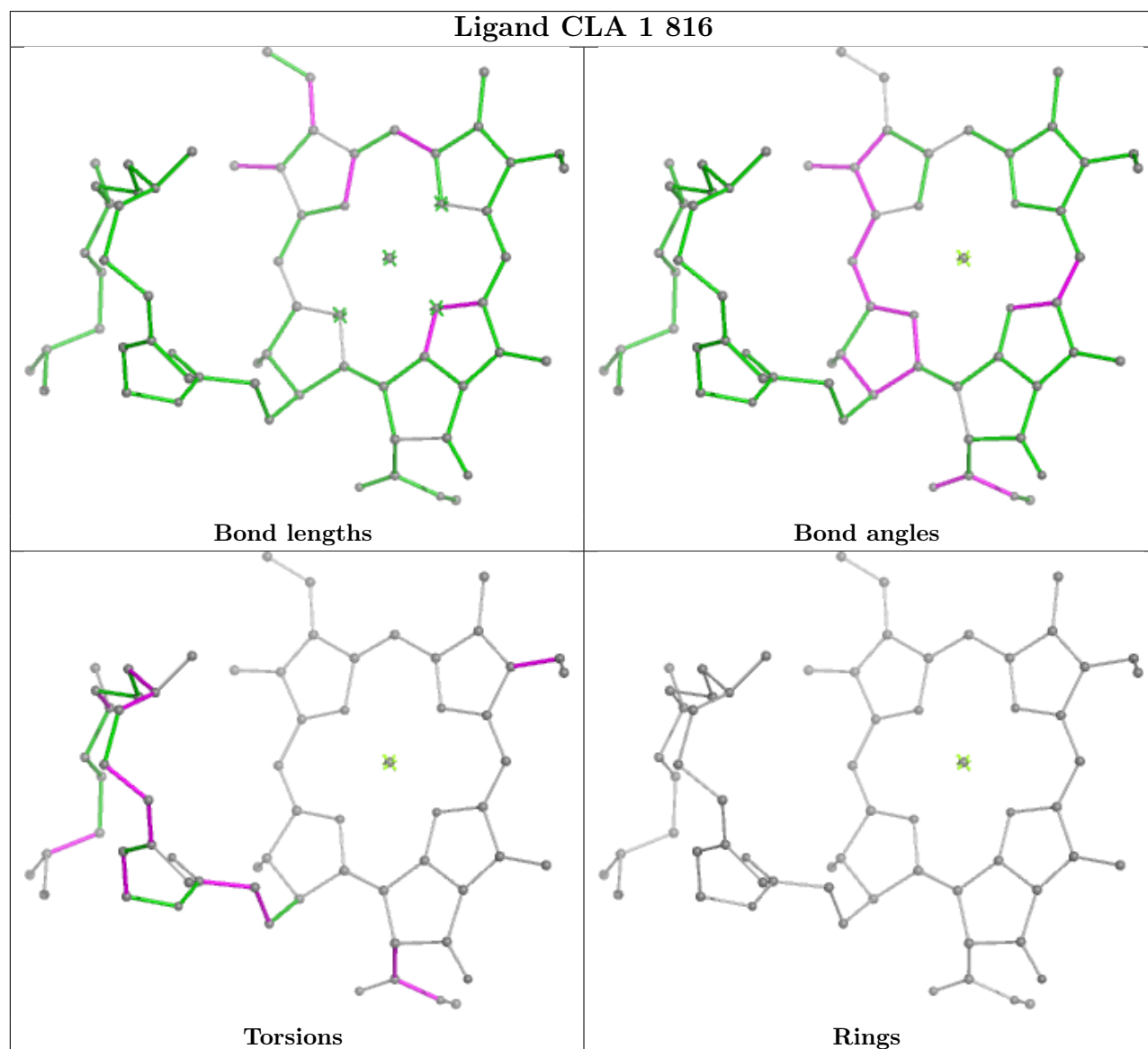
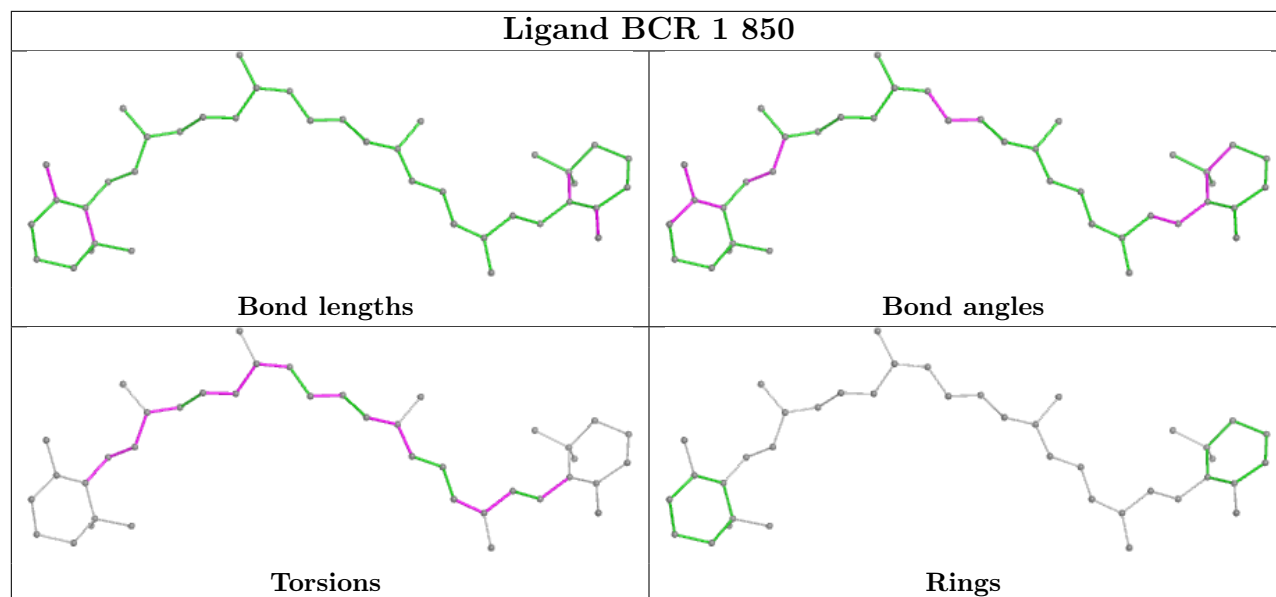


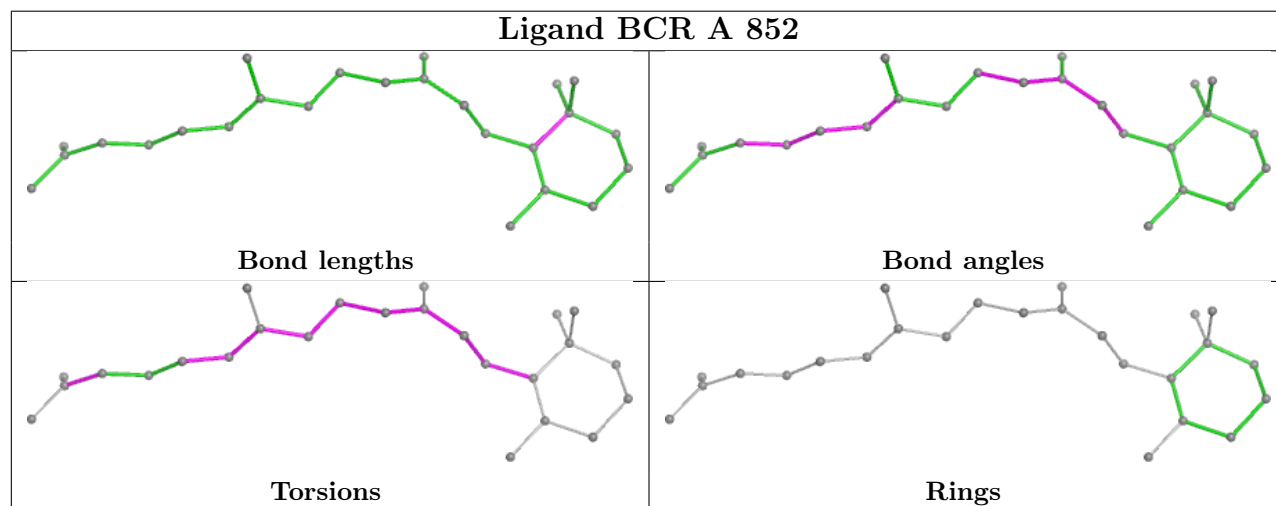
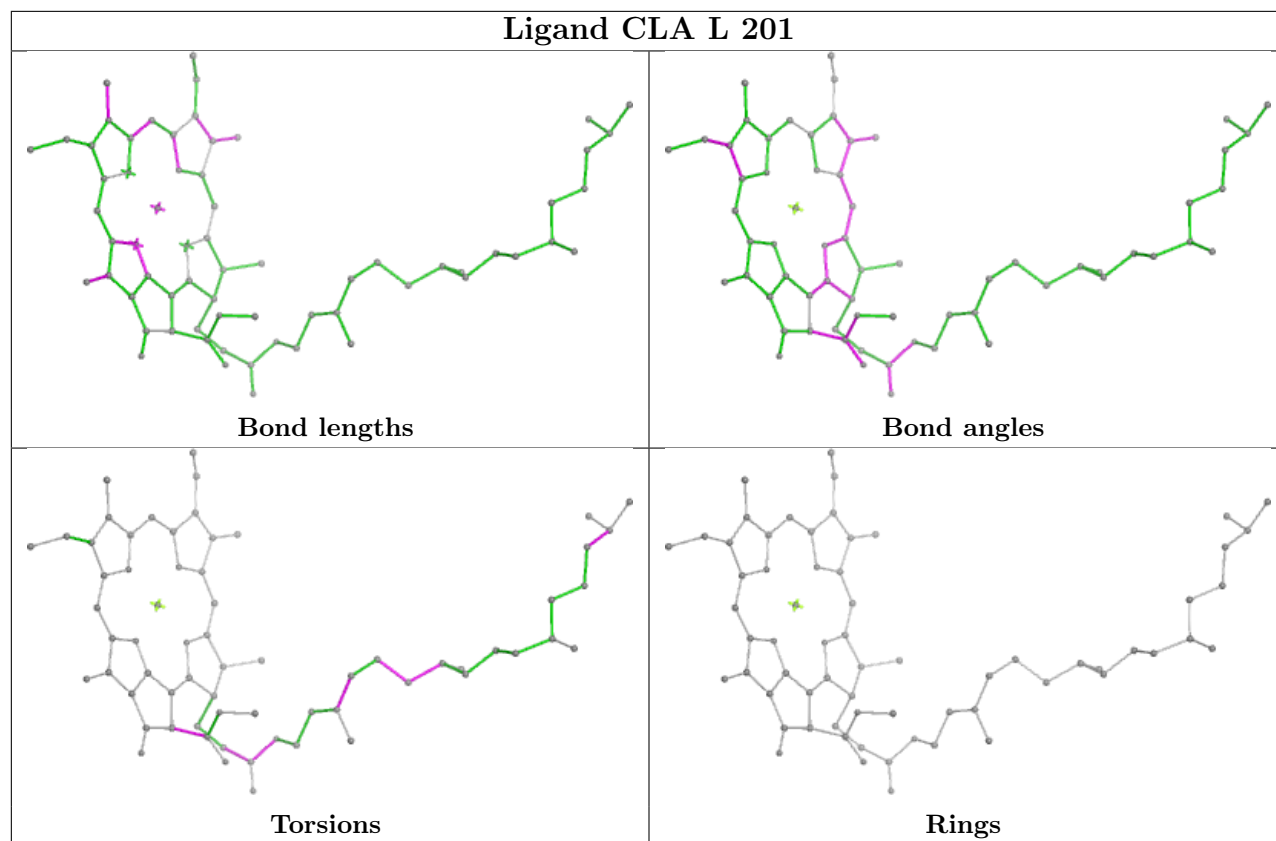


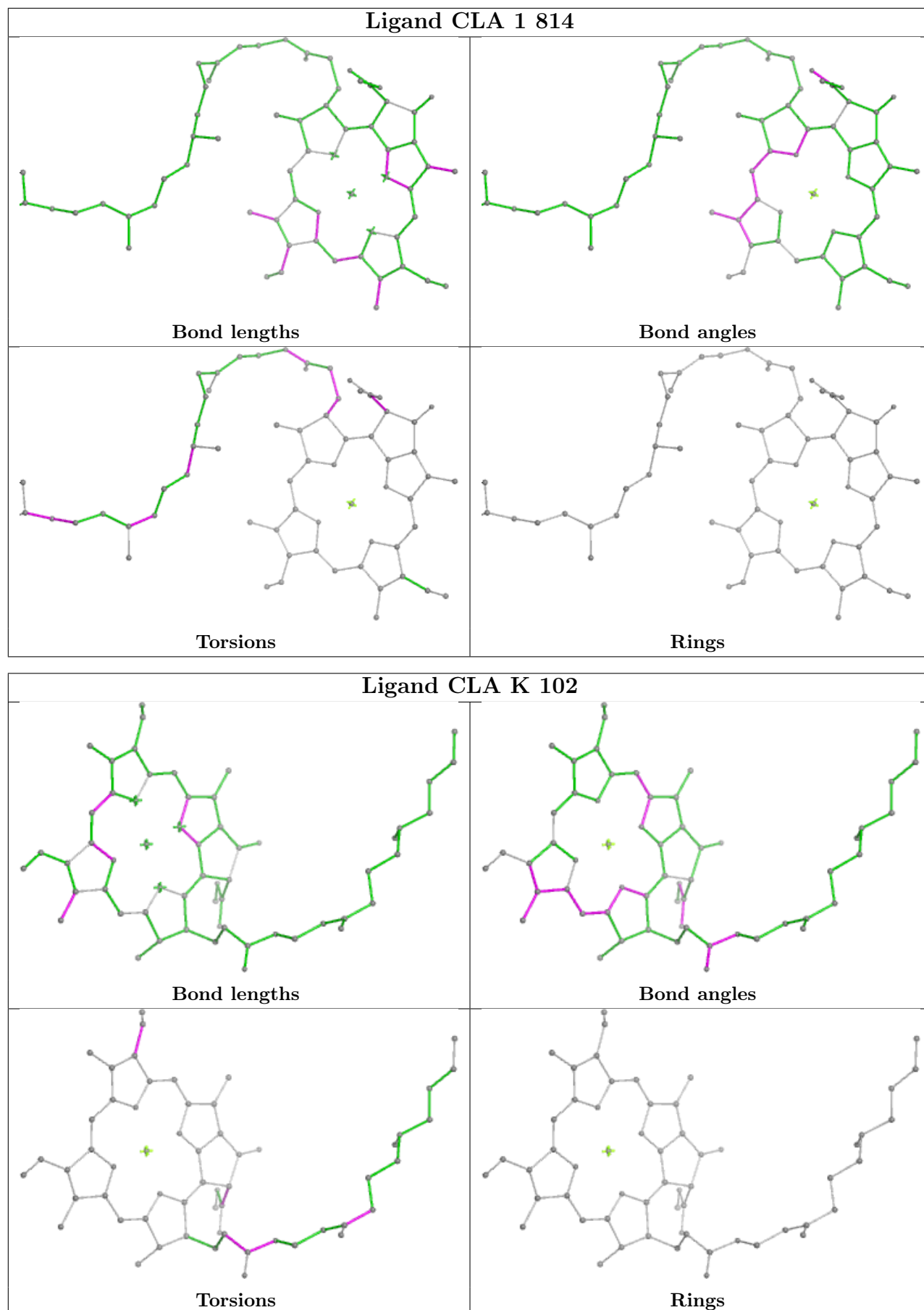


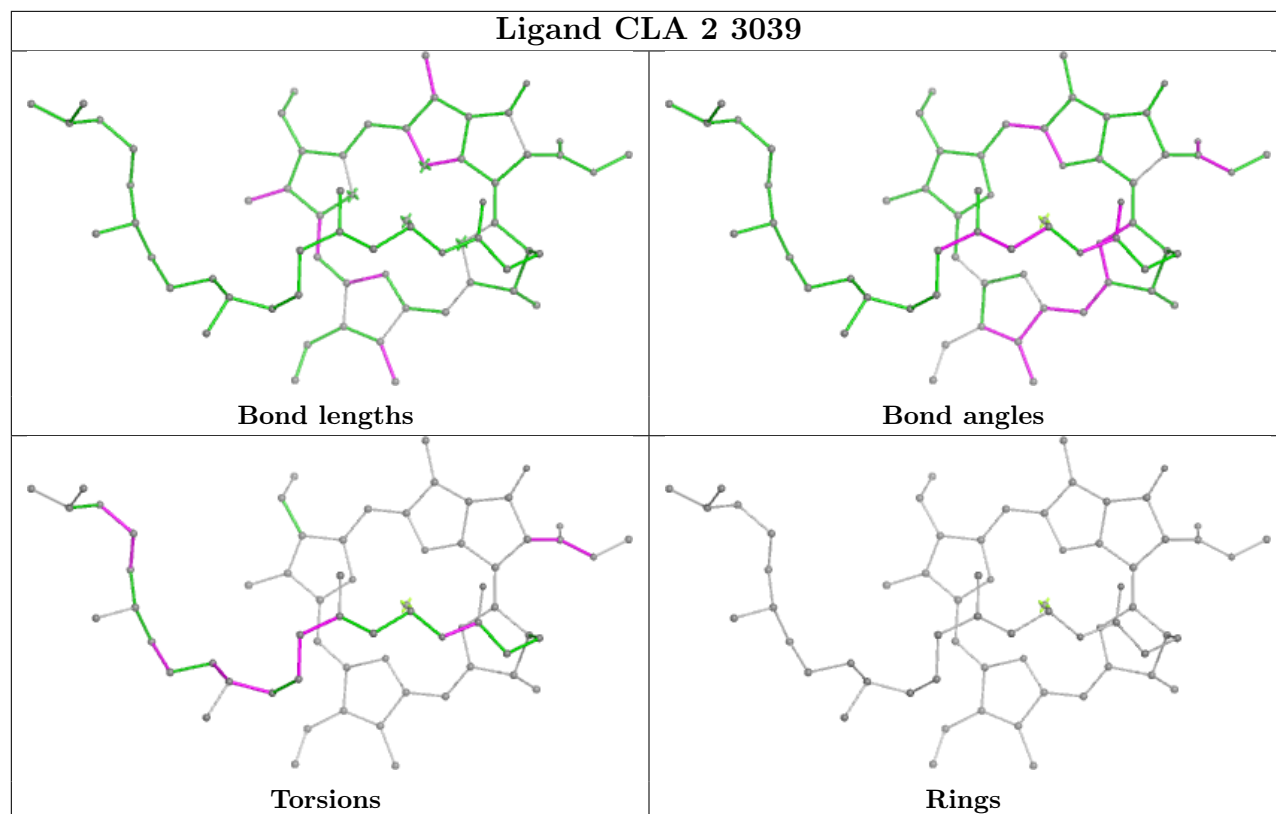












## 5.7 Other polymers [i](#)

There are no such residues in this entry.

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

There are no chain breaks in this entry.



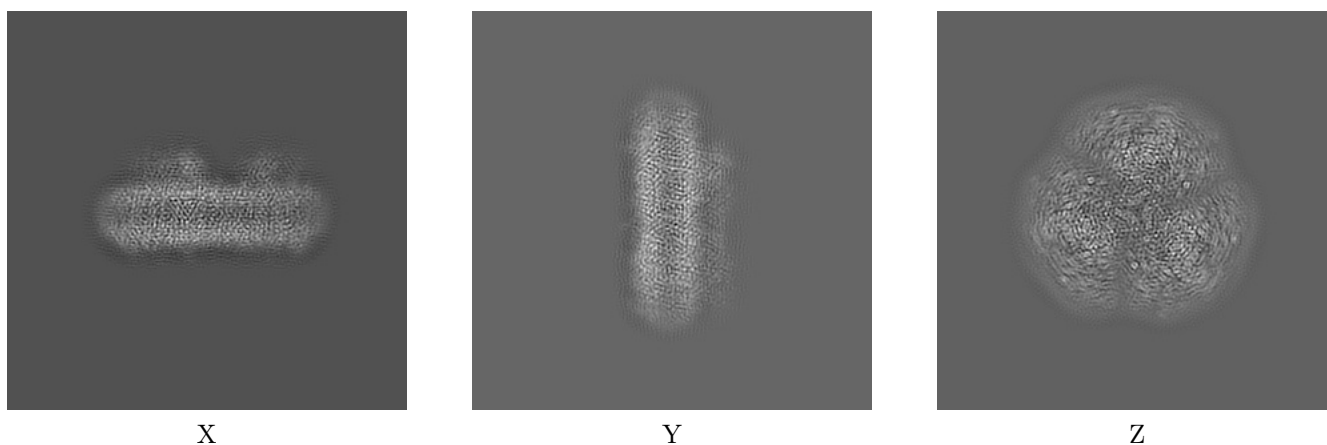
## 6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-10558. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

### 6.1 Orthogonal projections [i](#)

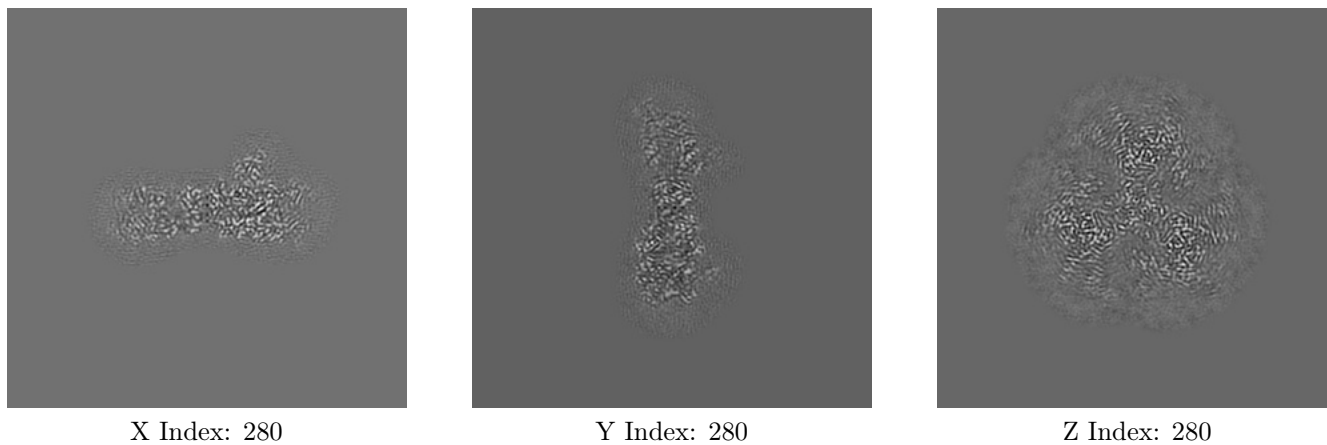
#### 6.1.1 Primary map



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

### 6.2 Central slices [i](#)

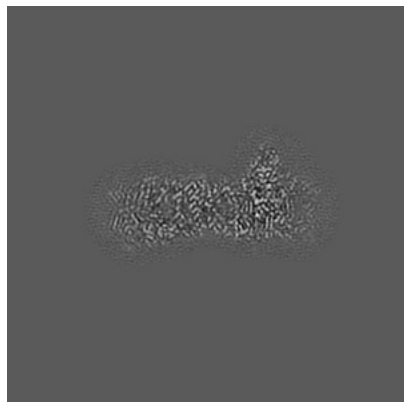
#### 6.2.1 Primary map



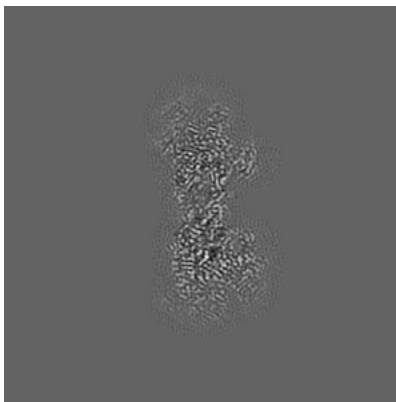
The images above show central slices of the map in three orthogonal directions.

## 6.3 Largest variance slices [i](#)

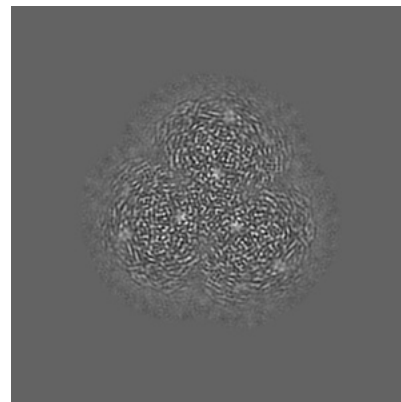
### 6.3.1 Primary map



X Index: 297



Y Index: 253

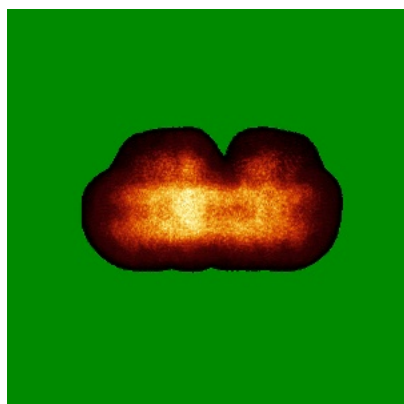


Z Index: 298

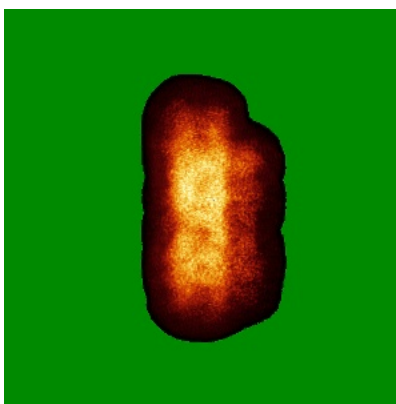
The images above show the largest variance slices of the map in three orthogonal directions.

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

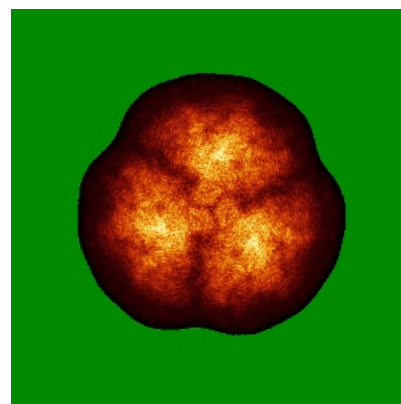
### 6.4.1 Primary map



X



Y

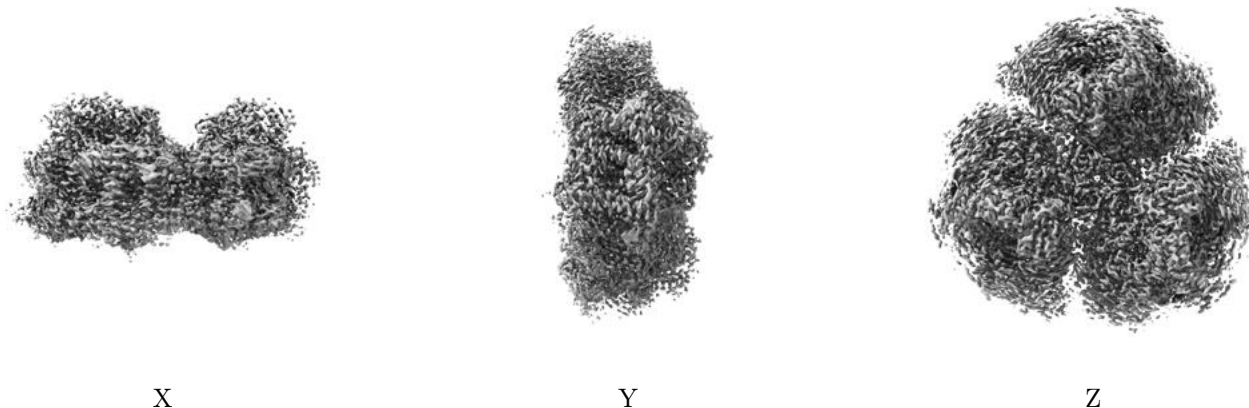


Z

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

## 6.5 Orthogonal surface views [i](#)

### 6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.015. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

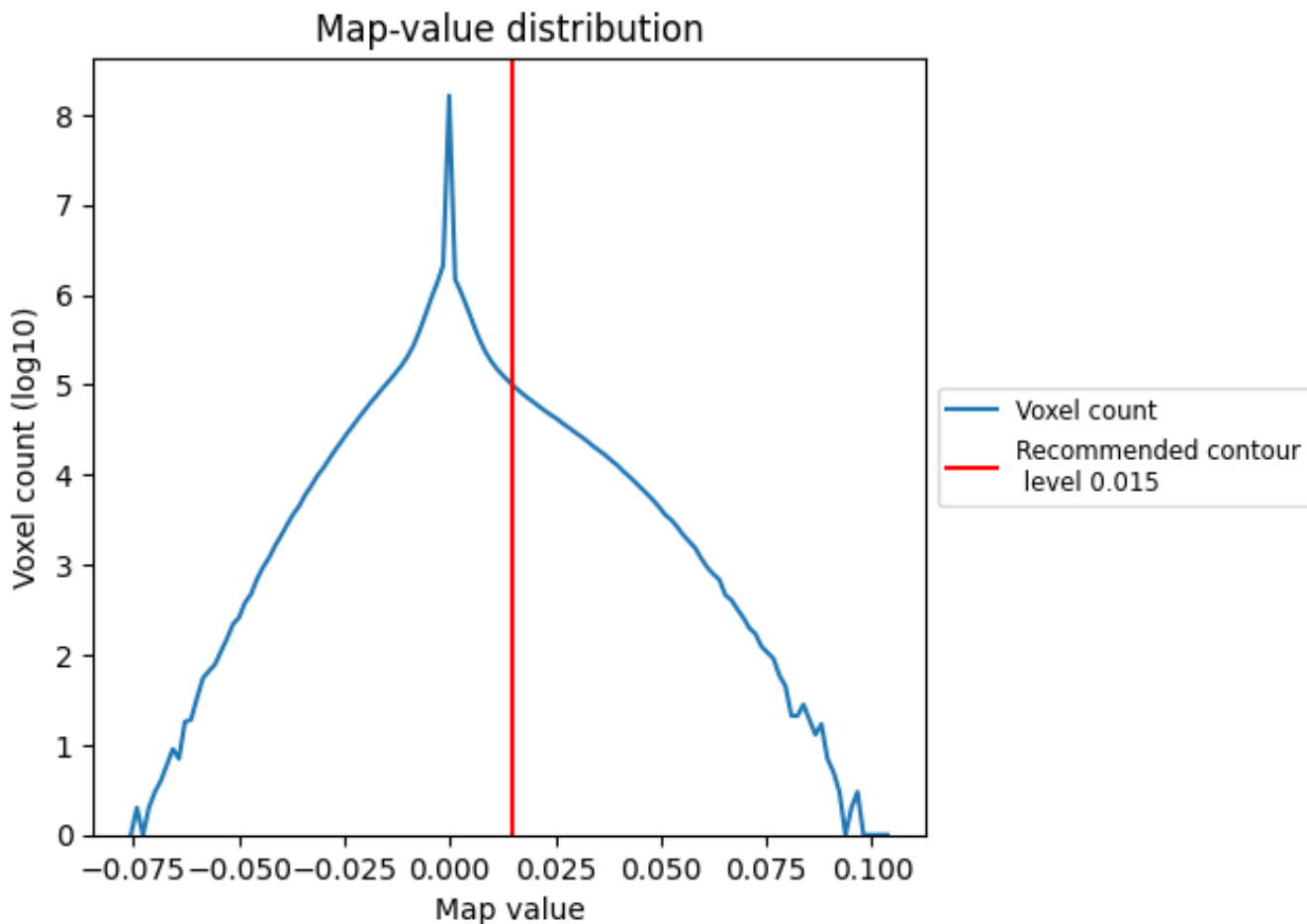
## 6.6 Mask visualisation [i](#)

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

## 7 Map analysis [i](#)

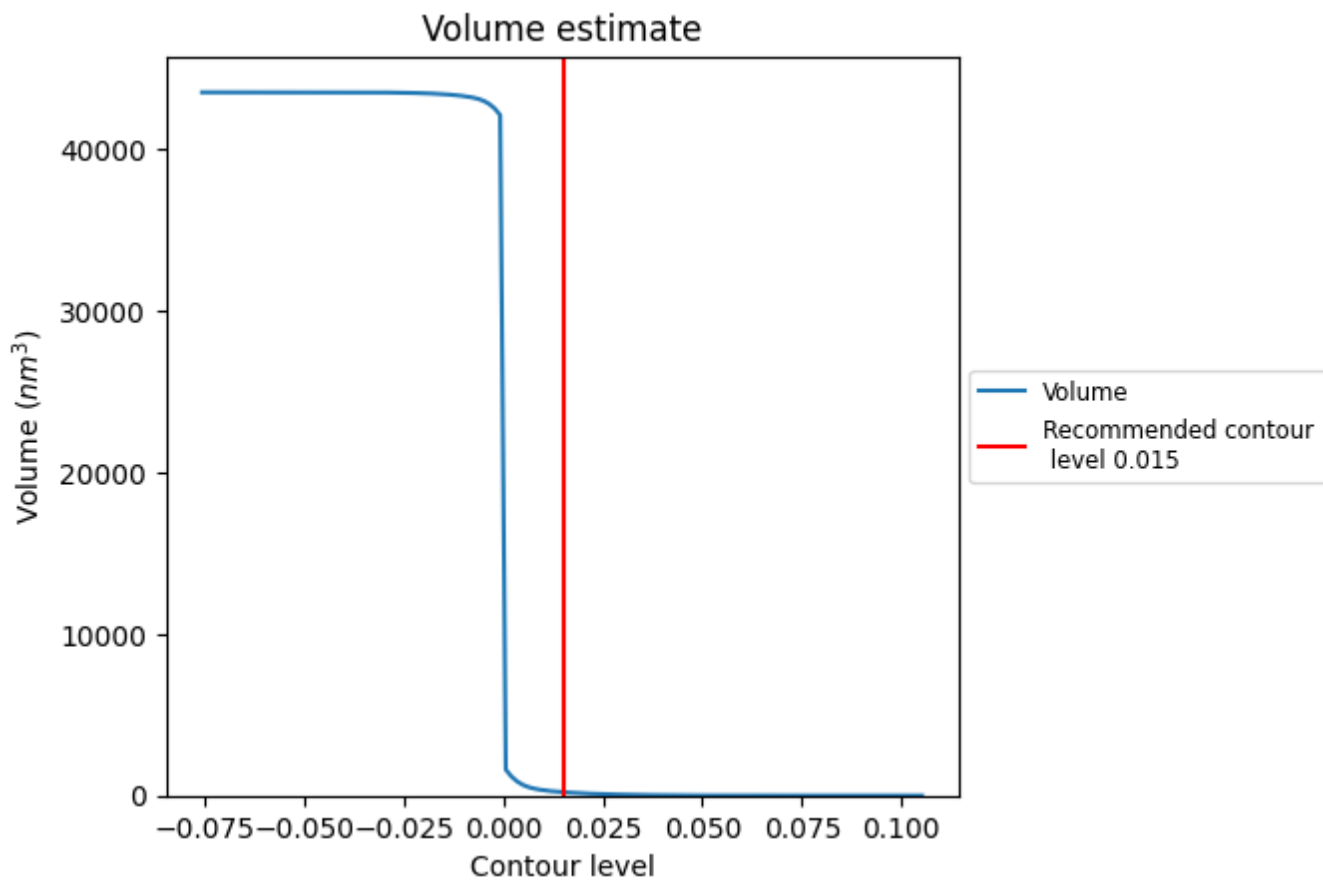
This section contains the results of statistical analysis of the map.

### 7.1 Map-value distribution [i](#)



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

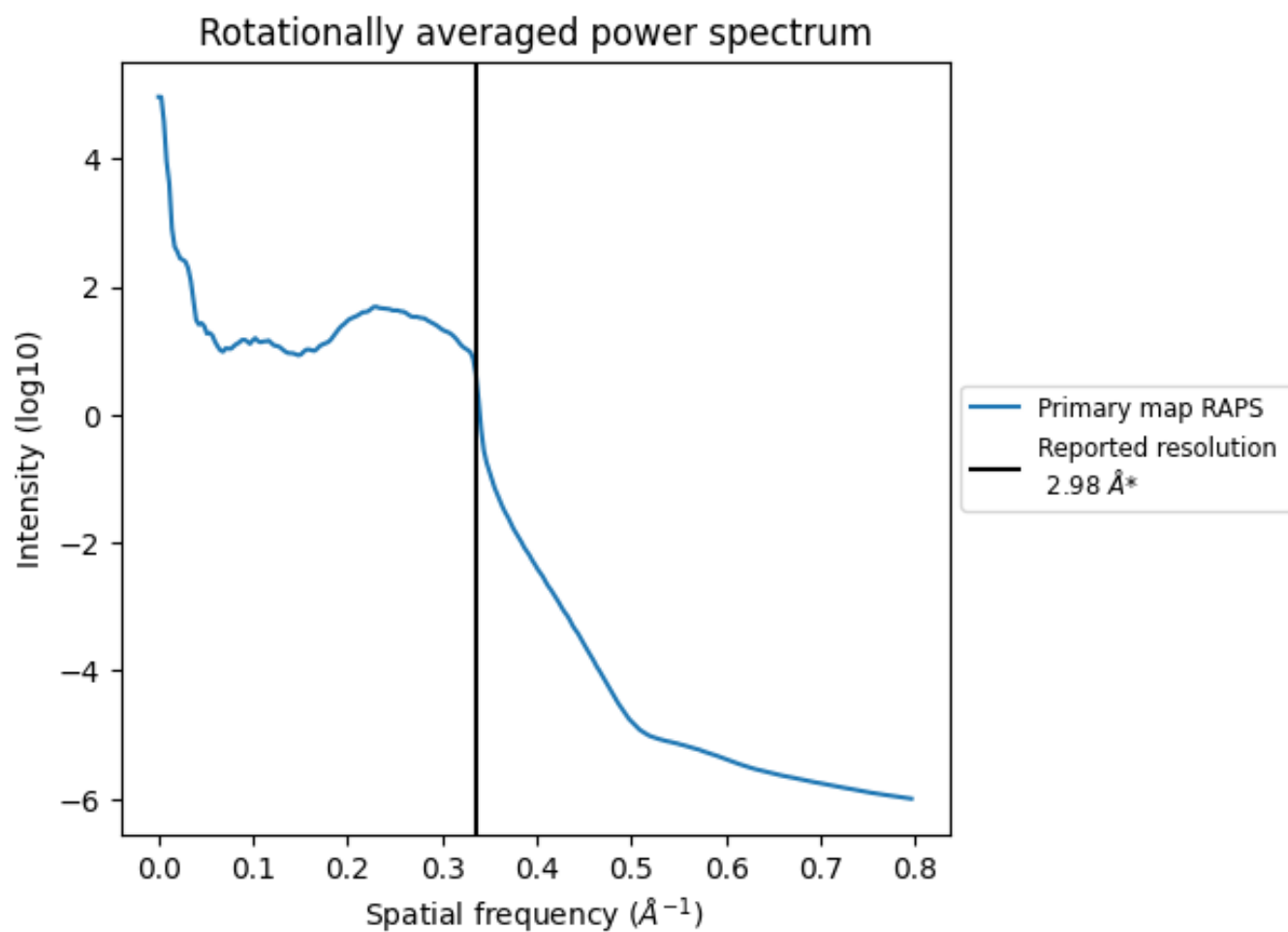
## 7.2 Volume estimate [i](#)



The volume at the recommended contour level is 210  $\text{nm}^3$ ; this corresponds to an approximate mass of 190 kDa.

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

### 7.3 Rotationally averaged power spectrum [i](#)

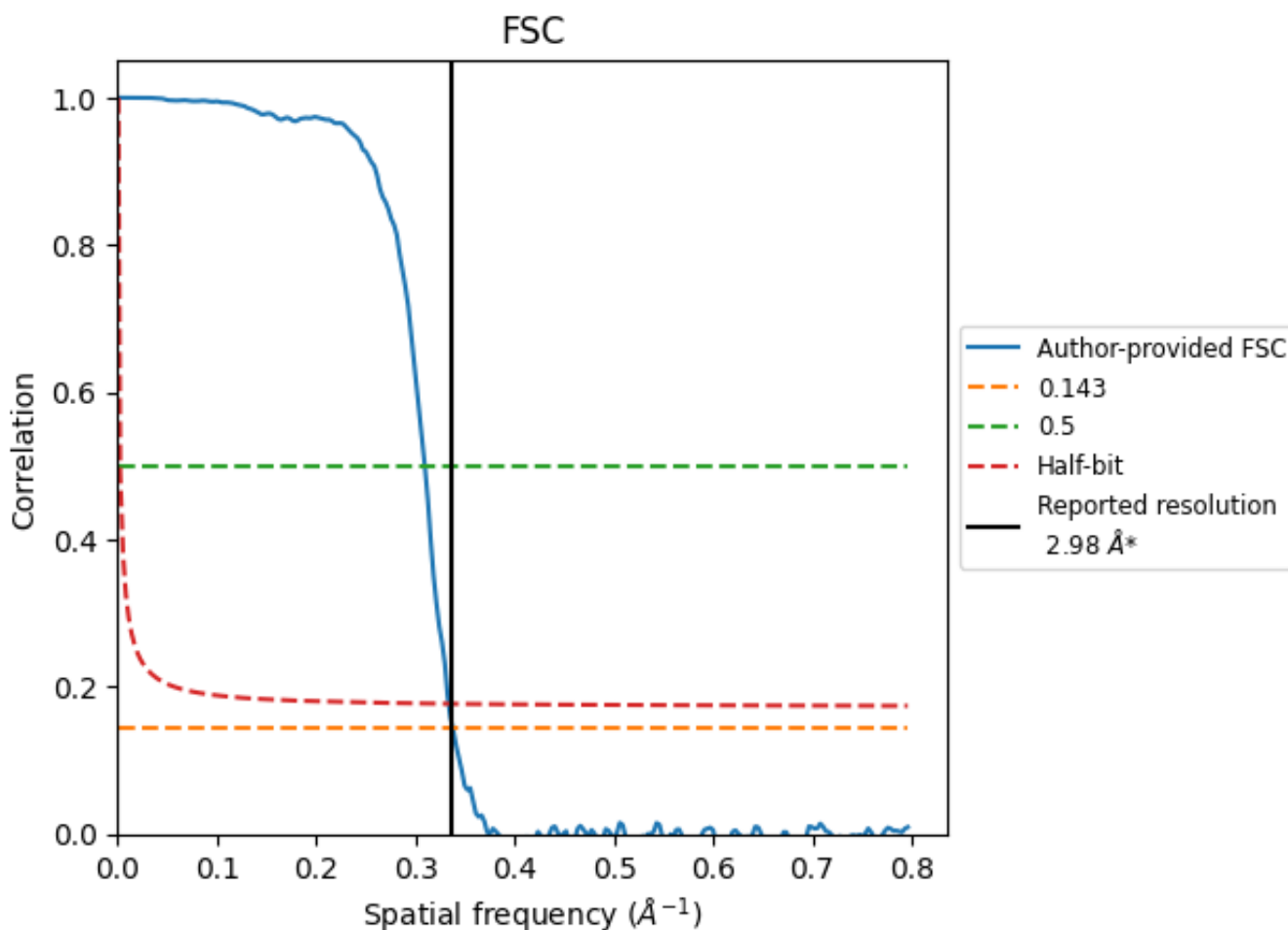


\*Reported resolution corresponds to spatial frequency of  $0.336 \text{\AA}^{-1}$

## 8 Fourier-Shell correlation [i](#)

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

### 8.1 FSC [i](#)



\*Reported resolution corresponds to spatial frequency of 0.336 Å<sup>-1</sup>

## 8.2 Resolution estimates [i](#)

Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.98	-	-
Author-provided FSC curve	2.96	3.23	3.00
Unmasked-calculated*	-	-	-

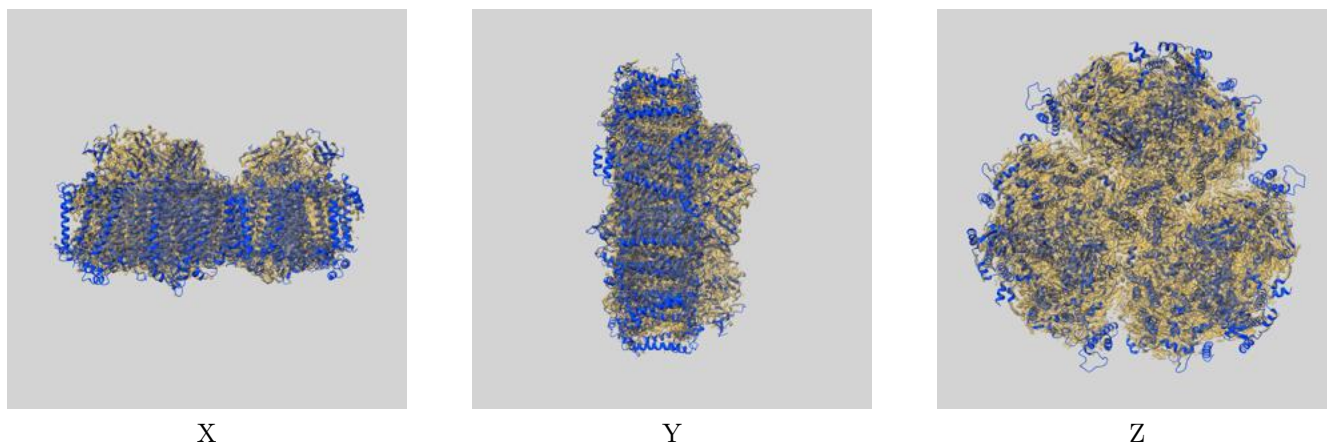
\*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.



## 9 Map-model fit [i](#)

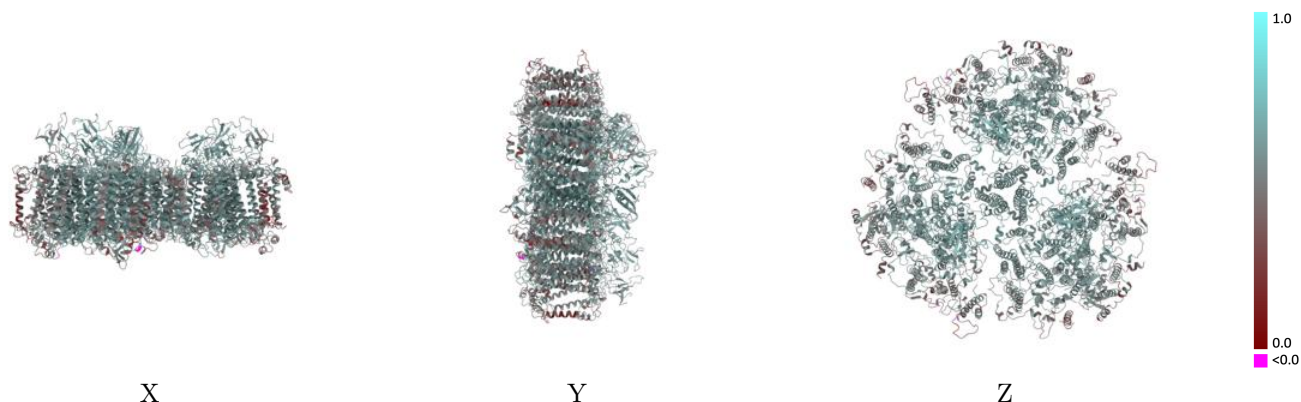
This section contains information regarding the fit between EMDB map EMD-10558 and PDB model 6TRC. Per-residue inclusion information can be found in section 3 on page 39.

### 9.1 Map-model overlay [i](#)



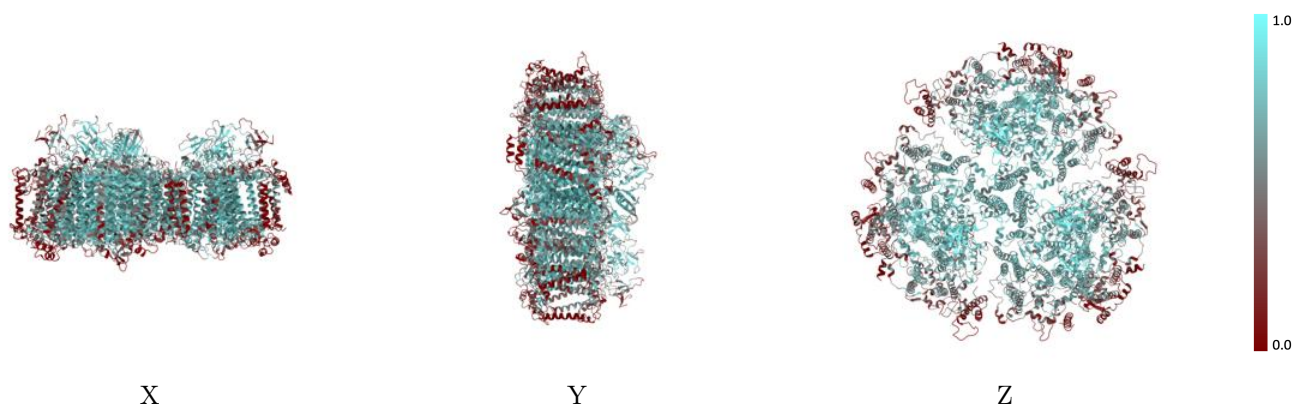
The images above show the 3D surface view of the map at the recommended contour level 0.015 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



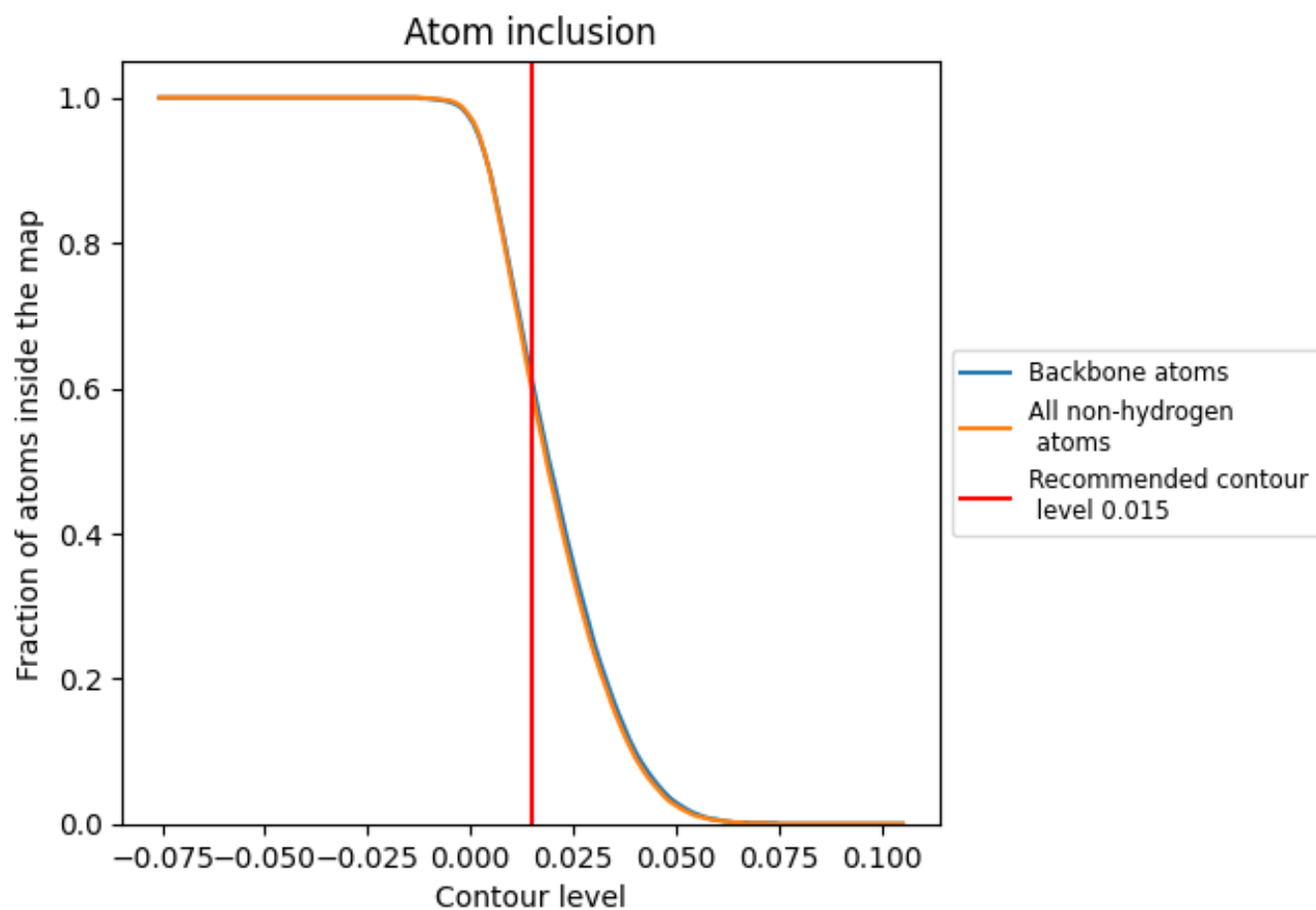
The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions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

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



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.015).







































































## 9.4 Atom inclusion [i](#)



At the recommended contour level, 61% of all backbone atoms, 60% of all non-hydrogen atoms, are inside the map.

## 9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.015) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.5950	 0.5490
0	 0.7680	 0.6070
1	 0.6210	 0.5490
2	 0.6490	 0.5630
3	 0.7950	 0.6000
4	 0.6730	 0.5830
5	 0.4570	 0.5410
6	 0.2080	 0.4670
7	 0.7960	 0.6020
8	 0.1840	 0.4360
9	 0.1320	 0.4570
A	 0.6180	 0.5480
B	 0.6500	 0.5630
C	 0.7900	 0.6000
D	 0.6720	 0.5830
E	 0.4530	 0.5430
F	 0.2040	 0.4630
I	 0.8180	 0.6090
J	 0.1740	 0.4340
K	 0.1140	 0.4490
L	 0.7650	 0.6070
M	 0.6310	 0.5810
X	 0.0000	 0.3130
a	 0.6200	 0.5470
b	 0.6520	 0.5650
c	 0.7930	 0.6000
d	 0.6750	 0.5830
e	 0.4610	 0.5420
f	 0.2050	 0.4670
i	 0.7930	 0.6050
j	 0.2120	 0.4530
k	 0.1110	 0.4450
l	 0.7780	 0.6080
m	 0.6610	 0.5880
x	 0.0110	 0.3160



*Continued on next page...*

*Continued from previous page...*

Chain	Atom inclusion	Q-score
y	 0.6530	 0.5740
z	 0.0040	 0.3140