



Full wwPDB EM Validation Report ⓘ

Mar 22, 2026 – 03:09 PM JST

PDB ID : 9V7T / pdb_00009v7t
EMDB ID : EMD-64823
Title : PSI-LHCE supercomplex from Euglena gracilis.
Authors : Bai, T.Y.; Mao, Z.Y.; Tian, L.R.
Deposited on : 2025-05-28
Resolution : 2.23 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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

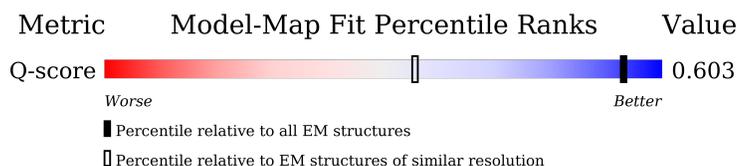
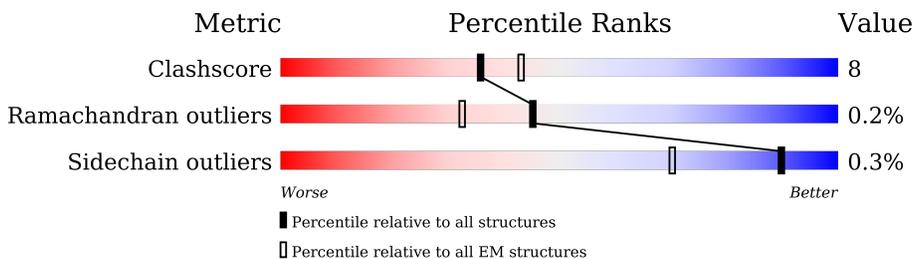
EMDB validation analysis : 0.0.1.dev132
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4-5-2 with Phenix2.0
buster-report : 1.1.7 (2018)
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
EM percentile statistics : 202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.48.1

1 Overall quality at a glance

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

The reported resolution of this entry is 2.23 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)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	210492	15764	-
Ramachandran outliers	207382	16835	-
Sidechain outliers	206894	16415	-
Q-score	-	25397	3335 (1.73 - 2.73)

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

Mol	Chain	Length	Quality of chain
1	A	751	
2	B	734	
3	C	81	
4	D	186	

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Mol	Chain	Length	Quality of chain
5	E	63	33% 84% 16%
6	F	168	17% 91% 9%
7	J	37	5% 95% 5%
8	M	31	16% 84% 16%
9	a	166	36% 90% 10%
10	b	169	62% 83% 17%
11	c	221	37% 90% 10%
12	d	220	23% 92% 8%
13	e	199	45% 87% 13%
14	h	174	21% 87% 12%
15	i	177	15% 84% 16%
16	j	183	9% 86% 14%
17	k	172	36% 89% 11%
18	l	167	53% 85% 15%
19	m	168	71% 85% 15%
20	f	174	100% 84% 16%
21	g	178	72% 90% 10%
22	n	184	100% 81% 18%
23	o	164	90% 83% 17%
24	p	148	100% 85% 15%

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	A	752	X	-	-	-
25	CLA	A	753	X	-	-	-
25	CLA	A	755	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	A	757	X	-	-	-
25	CLA	A	758	X	-	-	-
25	CLA	A	759	X	-	-	-
25	CLA	A	760	X	-	-	-
25	CLA	A	761	X	-	-	-
25	CLA	A	762	X	-	-	-
25	CLA	A	763	X	-	-	-
25	CLA	A	764	X	-	-	-
25	CLA	A	765	X	-	-	-
25	CLA	A	766	X	-	-	-
25	CLA	A	767	X	-	-	-
25	CLA	A	768	X	-	-	-
25	CLA	A	769	X	-	-	-
25	CLA	A	770	X	-	-	-
25	CLA	A	771	X	-	-	-
25	CLA	A	772	X	-	-	-
25	CLA	A	773	X	-	-	-
25	CLA	A	774	X	-	-	-
25	CLA	A	775	X	-	-	-
25	CLA	A	776	X	-	-	-
25	CLA	A	777	X	-	-	-
25	CLA	A	778	X	-	-	-
25	CLA	A	779	X	-	-	-
25	CLA	A	780	X	-	-	-
25	CLA	A	781	X	-	-	-
25	CLA	A	782	X	-	-	-
25	CLA	A	783	X	-	-	-
25	CLA	A	784	X	-	-	-
25	CLA	A	791	X	-	-	-
25	CLA	A	793	X	-	-	-
25	CLA	A	794	X	-	-	-
25	CLA	A	797	X	-	-	-
25	CLA	A	798	X	-	-	-
25	CLA	A	799	X	-	-	-
25	CLA	A	800	X	-	-	-
25	CLA	A	801	X	-	-	-
25	CLA	A	802	X	-	-	-
25	CLA	A	803	X	-	-	-
25	CLA	A	804	X	-	-	-
25	CLA	A	805	X	-	-	-
25	CLA	A	806	X	-	-	-
25	CLA	A	807	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	A	808	X	-	-	-
25	CLA	B	736	X	-	-	-
25	CLA	B	737	X	-	-	-
25	CLA	B	738	X	-	-	-
25	CLA	B	739	X	-	-	-
25	CLA	B	740	X	-	-	-
25	CLA	B	741	X	-	-	-
25	CLA	B	742	X	-	-	-
25	CLA	B	743	X	-	-	-
25	CLA	B	744	X	-	-	-
25	CLA	B	745	X	-	-	-
25	CLA	B	746	X	-	-	-
25	CLA	B	747	X	-	-	-
25	CLA	B	748	X	-	-	-
25	CLA	B	749	X	-	-	-
25	CLA	B	750	X	-	-	-
25	CLA	B	751	X	-	-	-
25	CLA	B	752	X	-	-	-
25	CLA	B	753	X	-	-	-
25	CLA	B	754	X	-	-	-
25	CLA	B	755	X	-	-	-
25	CLA	B	756	X	-	-	-
25	CLA	B	757	X	-	-	-
25	CLA	B	758	X	-	-	-
25	CLA	B	759	X	-	-	-
25	CLA	B	760	X	-	-	-
25	CLA	B	768	X	-	-	-
25	CLA	B	770	X	-	-	-
25	CLA	B	771	X	-	-	-
25	CLA	B	772	X	-	-	-
25	CLA	B	773	X	-	-	-
25	CLA	B	774	X	-	-	-
25	CLA	B	775	X	-	-	-
25	CLA	B	776	X	-	-	-
25	CLA	B	777	X	-	-	-
25	CLA	B	778	X	-	-	-
25	CLA	B	779	X	-	-	-
25	CLA	B	780	X	-	-	-
25	CLA	B	781	X	-	-	-
25	CLA	B	782	X	-	-	-
25	CLA	B	783	X	-	-	-
25	CLA	B	784	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	B	785	X	-	-	-
25	CLA	J	101	X	-	-	-
25	CLA	a	601	X	-	-	-
25	CLA	a	602	X	-	-	-
25	CLA	a	603	X	-	-	-
25	CLA	a	604	X	-	-	-
25	CLA	a	608	X	-	-	-
25	CLA	a	609	X	-	-	-
25	CLA	a	610	X	-	-	-
25	CLA	a	611	X	-	-	-
25	CLA	a	612	X	-	-	-
25	CLA	a	613	X	-	-	-
25	CLA	a	619	X	-	-	-
25	CLA	b	601	X	-	-	-
25	CLA	b	602	X	-	-	-
25	CLA	b	603	X	-	-	-
25	CLA	b	604	X	-	-	-
25	CLA	b	605	X	-	-	-
25	CLA	b	608	X	-	-	-
25	CLA	b	609	X	-	-	-
25	CLA	b	610	X	-	-	-
25	CLA	b	611	X	-	-	-
25	CLA	b	612	X	-	-	-
25	CLA	b	613	X	-	-	-
25	CLA	c	601	X	-	-	-
25	CLA	c	602	X	-	-	-
25	CLA	c	603	X	-	-	-
25	CLA	c	604	X	-	-	-
25	CLA	c	606	X	-	-	-
25	CLA	c	608	X	-	-	-
25	CLA	c	609	X	-	-	-
25	CLA	c	610	X	-	-	-
25	CLA	c	611	X	-	-	-
25	CLA	c	612	X	-	-	-
25	CLA	c	613	X	-	-	-
25	CLA	c	614	X	-	-	-
25	CLA	c	616	X	-	-	-
25	CLA	c	619	X	-	-	-
25	CLA	d	601	X	-	-	-
25	CLA	d	602	X	-	-	-
25	CLA	d	603	X	-	-	-
25	CLA	d	604	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	d	609	X	-	-	-
25	CLA	d	610	X	-	-	-
25	CLA	d	611	X	-	-	-
25	CLA	d	612	X	-	-	-
25	CLA	d	613	X	-	-	-
25	CLA	d	614	X	-	-	-
25	CLA	e	601	X	-	-	-
25	CLA	e	602	X	-	-	-
25	CLA	e	603	X	-	-	-
25	CLA	e	604	X	-	-	-
25	CLA	e	605	X	-	-	-
25	CLA	e	607	X	-	-	-
25	CLA	e	608	X	-	-	-
25	CLA	e	609	X	-	-	-
25	CLA	e	610	X	-	-	-
25	CLA	e	611	X	-	-	-
25	CLA	e	612	X	-	-	-
25	CLA	e	613	X	-	-	-
25	CLA	e	614	X	-	-	-
25	CLA	f	601	X	-	-	-
25	CLA	f	602	X	-	-	-
25	CLA	f	603	X	-	-	-
25	CLA	f	604	X	-	-	-
25	CLA	f	608	X	-	-	-
25	CLA	f	609	X	-	-	-
25	CLA	f	610	X	-	-	-
25	CLA	f	611	X	-	-	-
25	CLA	f	612	X	-	-	-
25	CLA	f	613	X	-	-	-
25	CLA	f	614	X	-	-	-
25	CLA	f	615	X	-	-	-
25	CLA	g	601	X	-	-	-
25	CLA	g	602	X	-	-	-
25	CLA	g	603	X	-	-	-
25	CLA	g	604	X	-	-	-
25	CLA	g	608	X	-	-	-
25	CLA	g	609	X	-	-	-
25	CLA	g	610	X	-	-	-
25	CLA	g	611	X	-	-	-
25	CLA	g	612	X	-	-	-
25	CLA	g	613	X	-	-	-
25	CLA	g	614	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	g	615	X	-	-	-
25	CLA	g	618	X	-	-	-
25	CLA	h	601	X	-	-	-
25	CLA	h	602	X	-	-	-
25	CLA	h	603	X	-	-	-
25	CLA	h	604	X	-	-	-
25	CLA	h	608	X	-	-	-
25	CLA	h	609	X	-	-	-
25	CLA	h	610	X	-	-	-
25	CLA	h	611	X	-	-	-
25	CLA	h	612	X	-	-	-
25	CLA	h	613	X	-	-	-
25	CLA	h	614	X	-	-	-
25	CLA	h	615	X	-	-	-
25	CLA	h	618	X	-	-	-
25	CLA	i	601	X	-	-	-
25	CLA	i	602	X	-	-	-
25	CLA	i	603	X	-	-	-
25	CLA	i	604	X	-	-	-
25	CLA	i	608	X	-	-	-
25	CLA	i	609	X	-	-	-
25	CLA	i	610	X	-	-	-
25	CLA	i	611	X	-	-	-
25	CLA	i	612	X	-	-	-
25	CLA	i	613	X	-	-	-
25	CLA	i	614	X	-	-	-
25	CLA	i	615	X	-	-	-
25	CLA	j	601	X	-	-	-
25	CLA	j	602	X	-	-	-
25	CLA	j	603	X	-	-	-
25	CLA	j	604	X	-	-	-
25	CLA	j	608	X	-	-	-
25	CLA	j	609	X	-	-	-
25	CLA	j	610	X	-	-	-
25	CLA	j	611	X	-	-	-
25	CLA	j	612	X	-	-	-
25	CLA	j	613	X	-	-	-
25	CLA	j	614	X	-	-	-
25	CLA	j	615	X	-	-	-
25	CLA	j	618	X	-	-	-
25	CLA	k	601	X	-	-	-
25	CLA	k	602	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	k	603	X	-	-	-
25	CLA	k	604	X	-	-	-
25	CLA	k	608	X	-	-	-
25	CLA	k	609	X	-	-	-
25	CLA	k	610	X	-	-	-
25	CLA	k	611	X	-	-	-
25	CLA	k	612	X	-	-	-
25	CLA	k	613	X	-	-	-
25	CLA	k	614	X	-	-	-
25	CLA	k	615	X	-	-	-
25	CLA	k	618	X	-	-	-
25	CLA	l	601	X	-	-	-
25	CLA	l	602	X	-	-	-
25	CLA	l	603	X	-	-	-
25	CLA	l	604	X	-	-	-
25	CLA	l	608	X	-	-	-
25	CLA	l	609	X	-	-	-
25	CLA	l	610	X	-	-	-
25	CLA	l	611	X	-	-	-
25	CLA	l	612	X	-	-	-
25	CLA	l	613	X	-	-	-
25	CLA	l	614	X	-	-	-
25	CLA	l	617	X	-	-	-
25	CLA	m	601	X	-	-	-
25	CLA	m	602	X	-	-	-
25	CLA	m	603	X	-	-	-
25	CLA	m	604	X	-	-	-
25	CLA	m	608	X	-	-	-
25	CLA	m	609	X	-	-	-
25	CLA	m	610	X	-	-	-
25	CLA	m	611	X	-	-	-
25	CLA	m	612	X	-	-	-
25	CLA	m	613	X	-	-	-
25	CLA	n	602	X	-	-	-
25	CLA	n	603	X	-	-	-
25	CLA	n	604	X	-	-	-
25	CLA	n	605	X	-	-	-
25	CLA	n	606	X	-	-	-
25	CLA	n	607	X	-	-	-
25	CLA	n	608	X	-	-	-
25	CLA	n	609	X	-	-	-
25	CLA	n	610	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	n	612	X	-	-	-
25	CLA	n	613	X	-	-	-
25	CLA	o	601	X	-	-	-
25	CLA	o	602	X	-	-	-
25	CLA	o	603	X	-	-	-
25	CLA	o	604	X	-	-	-
25	CLA	o	608	X	-	-	-
25	CLA	o	609	X	-	-	-
25	CLA	o	610	X	-	-	-
25	CLA	o	612	X	-	-	-
25	CLA	o	613	X	-	-	-
25	CLA	o	614	X	-	-	-
25	CLA	p	601	X	-	-	-
25	CLA	p	602	X	-	-	-
25	CLA	p	603	X	-	-	-
25	CLA	p	604	X	-	-	-
25	CLA	p	608	X	-	-	-
25	CLA	p	609	X	-	-	-
25	CLA	p	610	X	-	-	-
25	CLA	p	612	X	-	-	-
25	CLA	p	613	X	-	-	-
35	CHL	c	607	X	-	-	-
35	CHL	d	605	X	-	-	-
35	CHL	d	606	X	-	-	-
35	CHL	d	607	X	-	-	-
35	CHL	d	608	X	-	-	-
35	CHL	e	606	X	-	-	-

2 Entry composition

There are 35 unique types of molecules in this entry. The entry contains 55406 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	A	741	5878	3860	994	1003	21	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	B	731	5861	3855	984	1007	15	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	C	80	596	363	104	118	11	0	0

- Molecule 4 is a protein called PsaD.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	D	186	1393	892	235	262	4	0	0

- Molecule 5 is a protein called PsaE.

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	E	63	481	311	81	89	0	0

- Molecule 6 is a protein called PsaF.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
6	F	168	1250	801	206	239	4	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
7	J	37	305	209	43	52	1	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
8	M	31	243	162	37	43	1	0	0

- Molecule 9 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
9	a	166	1274	819	220	228	7	0	0

- Molecule 10 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
10	b	169	1302	842	213	243	4	0	0

- Molecule 11 is a protein called LHCE 3.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
11	c	221	1676	1087	282	302	5	0	0

- Molecule 12 is a protein called Light harvesting chlorophyll a /b binding protein of PSII.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
12	d	220	1669	1088	275	302	4	0	0

- Molecule 13 is a protein called Chloroplast light-harvesting complex II protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
13	e	199	1517	981	256	275	5	0	0

- Molecule 14 is a protein called LHCE 8.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
14	h	174	1350	865	233	247	5	0	0

- Molecule 15 is a protein called LHCE 9.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
15	i	177	1355	865	242	244	4	0	0

- Molecule 16 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
16	j	183	1450	944	246	254	6	0	0

- Molecule 17 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
17	k	172	1338	860	232	241	5	0	0

- Molecule 18 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
18	l	167	1256	811	214	227	4	0	0

- Molecule 19 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
19	m	168	1260	813	215	228	4	0	0

- Molecule 20 is a protein called Chloroplast light-harvesting complex I protein, Lhca7_2.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
20	f	174	1332	851	236	241	4	0	0

- Molecule 21 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
21	g	178	Total	C	N	O	S	0	0
			1406	914	240	246	6		

- Molecule 22 is a protein called Chloroplast light-harvesting complex II protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
22	n	184	Total	C	N	O	S	0	0
			1411	921	232	254	4		

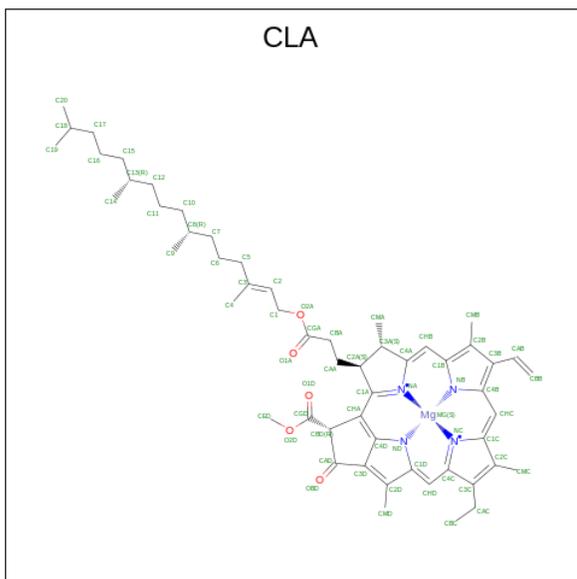
- Molecule 23 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
23	o	164	Total	C	N	O	S	0	0
			1230	794	208	224	4		

- Molecule 24 is a protein called Chloroplast light-harvesting complex I protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
24	p	148	Total	C	N	O	S	0	0
			1126	727	188	207	4		

- Molecule 25 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
25	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	
25	A	1	63	53	1	4	5	0
25	A	1	60	50	1	4	5	0
25	A	1	45	35	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	60	50	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	50	40	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	58	48	1	4	5	0
25	A	1	59	49	1	4	5	0
25	A	1	58	48	1	4	5	0
25	A	1	43	35	1	4	3	0
25	A	1	56	46	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	57	47	1	4	5	0
25	A	1	64	55	1	4	4	0
25	A	1	53	43	1	4	5	0
25	A	1	64	54	1	4	5	0
25	A	1	58	48	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	43	35	1	4	3	0
25	A	1	43	35	1	4	3	0
25	A	1	58	48	1	4	5	0
25	A	1	52	42	1	4	5	0
25	A	1	48	38	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	63	53	1	4	5	0
25	A	1	42	34	1	4	3	0
25	A	1	57	47	1	4	5	0
25	A	1	49	39	1	4	5	0
25	A	1	52	42	1	4	5	0
25	A	1	60	50	1	4	5	0
25	A	1	48	38	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	43	35	1	4	3	0
25	A	1	51	41	1	4	5	0
25	A	1	50	40	1	4	5	0
25	A	1	55	45	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	A	1	45	35	1	4	5	0
25	A	1	48	38	1	4	5	0
25	A	1	53	43	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	55	45	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	42	34	1	4	3	0
25	B	1	65	55	1	4	5	0
25	B	1	43	35	1	4	3	0
25	B	1	42	34	1	4	3	0
25	B	1	43	35	1	4	3	0
25	B	1	63	53	1	4	5	0
25	B	1	64	54	1	4	5	0
25	B	1	49	40	1	4	4	0
25	B	1	59	49	1	4	5	0
25	B	1	49	39	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	50	40	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	B	1	43	35	1	4	3	0
25	B	1	60	50	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	43	35	1	4	3	0
25	B	1	43	35	1	4	3	0
25	B	1	55	45	1	4	5	0
25	B	1	53	43	1	4	5	0
25	B	1	53	43	1	4	5	0
25	B	1	50	40	1	4	5	0
25	B	1	61	51	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	50	40	1	4	5	0
25	B	1	59	49	1	4	5	0
25	B	1	53	43	1	4	5	0
25	B	1	63	53	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	53	43	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	50	40	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	B	1	50	40	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	45	35	1	4	5	0
25	J	1	50	40	1	4	5	0
25	a	1	50	40	1	4	5	0
25	a	1	60	50	1	4	5	0
25	a	1	53	43	1	4	5	0
25	a	1	45	35	1	4	5	0
25	a	1	53	43	1	4	5	0
25	a	1	50	40	1	4	5	0
25	a	1	54	44	1	4	5	0
25	a	1	45	35	1	4	5	0
25	a	1	43	35	1	4	3	0
25	a	1	55	45	1	4	5	0
25	a	1	63	53	1	4	5	0
25	b	1	42	34	1	4	3	0
25	b	1	53	43	1	4	5	0
25	b	1	43	35	1	4	3	0
25	b	1	45	35	1	4	5	0
25	b	1	45	35	1	4	5	0
25	b	1	41	33	1	4	3	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	b	1	Total 45	C 35	Mg 1	N 4	O 5	0
25	b	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	b	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	b	1	Total 52	C 42	Mg 1	N 4	O 5	0
25	b	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	c	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	c	1	Total 59	C 49	Mg 1	N 4	O 5	0
25	c	1	Total 53	C 43	Mg 1	N 4	O 5	0
25	c	1	Total 48	C 38	Mg 1	N 4	O 5	0
25	c	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	c	1	Total 50	C 40	Mg 1	N 4	O 5	0
25	c	1	Total 60	C 50	Mg 1	N 4	O 5	0
25	c	1	Total 55	C 45	Mg 1	N 4	O 5	0
25	c	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	c	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	c	1	Total 53	C 43	Mg 1	N 4	O 5	0
25	c	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	c	1	Total 47	C 37	Mg 1	N 4	O 5	0
25	c	1	Total 41	C 33	Mg 1	N 4	O 3	0
25	d	1	Total 50	C 40	Mg 1	N 4	O 5	0
25	d	1	Total 57	C 47	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	d	1	42	34	1	4	3	0
25	d	1	52	42	1	4	5	0
25	d	1	49	39	1	4	5	0
25	d	1	59	49	1	4	5	0
25	d	1	45	35	1	4	5	0
25	d	1	42	34	1	4	3	0
25	d	1	42	34	1	4	3	0
25	d	1	42	34	1	4	3	0
25	e	1	41	33	1	4	3	0
25	e	1	65	55	1	4	5	0
25	e	1	45	35	1	4	5	0
25	e	1	50	40	1	4	5	0
25	e	1	42	34	1	4	3	0
25	e	1	43	35	1	4	3	0
25	e	1	48	38	1	4	5	0
25	e	1	52	42	1	4	5	0
25	e	1	55	45	1	4	5	0
25	e	1	42	34	1	4	3	0
25	e	1	43	35	1	4	3	0
25	e	1	55	45	1	4	5	0
25	e	1	42	34	1	4	3	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	h	1	50	40	1	4	5	0
25	h	1	55	45	1	4	5	0
25	h	1	43	35	1	4	3	0
25	h	1	60	50	1	4	5	0
25	h	1	48	38	1	4	5	0
25	h	1	50	40	1	4	5	0
25	h	1	54	44	1	4	5	0
25	h	1	43	35	1	4	3	0
25	h	1	58	48	1	4	5	0
25	h	1	53	43	1	4	5	0
25	h	1	43	35	1	4	3	0
25	h	1	42	34	1	4	3	0
25	h	1	43	35	1	4	3	0
25	i	1	53	43	1	4	5	0
25	i	1	64	54	1	4	5	0
25	i	1	43	35	1	4	3	0
25	i	1	43	35	1	4	3	0
25	i	1	65	55	1	4	5	0
25	i	1	43	35	1	4	3	0
25	i	1	55	45	1	4	5	0
25	i	1	43	35	1	4	3	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	i	1	43	35	1	4	3	0
25	i	1	59	49	1	4	5	0
25	i	1	42	34	1	4	3	0
25	i	1	50	40	1	4	5	0
25	j	1	50	40	1	4	5	0
25	j	1	55	45	1	4	5	0
25	j	1	42	34	1	4	3	0
25	j	1	57	47	1	4	5	0
25	j	1	47	37	1	4	5	0
25	j	1	50	40	1	4	5	0
25	j	1	64	54	1	4	5	0
25	j	1	50	40	1	4	5	0
25	j	1	55	45	1	4	5	0
25	j	1	62	52	1	4	5	0
25	j	1	42	34	1	4	3	0
25	j	1	43	35	1	4	3	0
25	j	1	50	40	1	4	5	0
25	k	1	43	35	1	4	3	0
25	k	1	53	43	1	4	5	0
25	k	1	42	34	1	4	3	0
25	k	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	k	1	50	40	1	4	5	0
25	k	1	50	40	1	4	5	0
25	k	1	57	47	1	4	5	0
25	k	1	42	34	1	4	3	0
25	k	1	43	35	1	4	3	0
25	k	1	52	42	1	4	5	0
25	k	1	42	34	1	4	3	0
25	k	1	42	34	1	4	3	0
25	k	1	50	40	1	4	5	0
25	l	1	42	34	1	4	3	0
25	l	1	59	49	1	4	5	0
25	l	1	43	35	1	4	3	0
25	l	1	43	35	1	4	3	0
25	l	1	43	35	1	4	3	0
25	l	1	60	50	1	4	5	0
25	l	1	54	44	1	4	5	0
25	l	1	43	35	1	4	3	0
25	l	1	43	35	1	4	3	0
25	l	1	48	38	1	4	5	0
25	l	1	42	34	1	4	3	0
25	l	1	42	34	1	4	3	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	m	1	42	34	1	4	3	0
25	m	1	60	50	1	4	5	0
25	m	1	54	44	1	4	5	0
25	m	1	43	35	1	4	3	0
25	m	1	42	34	1	4	3	0
25	m	1	50	40	1	4	5	0
25	m	1	42	34	1	4	3	0
25	m	1	43	35	1	4	3	0
25	m	1	43	35	1	4	3	0
25	m	1	42	34	1	4	3	0
25	f	1	42	34	1	4	3	0
25	f	1	59	49	1	4	5	0
25	f	1	43	35	1	4	3	0
25	f	1	42	34	1	4	3	0
25	f	1	42	34	1	4	3	0
25	f	1	55	45	1	4	5	0
25	f	1	42	34	1	4	3	0
25	f	1	42	34	1	4	3	0
25	f	1	59	49	1	4	5	0
25	f	1	42	34	1	4	3	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	f	1	43	35	1	4	3	0
25	g	1	42	34	1	4	3	0
25	g	1	53	43	1	4	5	0
25	g	1	42	34	1	4	3	0
25	g	1	43	35	1	4	3	0
25	g	1	45	35	1	4	5	0
25	g	1	50	40	1	4	5	0
25	g	1	55	45	1	4	5	0
25	g	1	42	34	1	4	3	0
25	g	1	42	34	1	4	3	0
25	g	1	55	45	1	4	5	0
25	g	1	42	34	1	4	3	0
25	g	1	42	34	1	4	3	0
25	g	1	45	35	1	4	5	0
25	n	1	59	49	1	4	5	0
25	n	1	55	45	1	4	5	0
25	n	1	48	38	1	4	5	0
25	n	1	42	34	1	4	3	0
25	n	1	42	34	1	4	3	0
25	n	1	42	34	1	4	3	0
25	n	1	42	34	1	4	3	0
25	n	1	41	33	1	4	3	0

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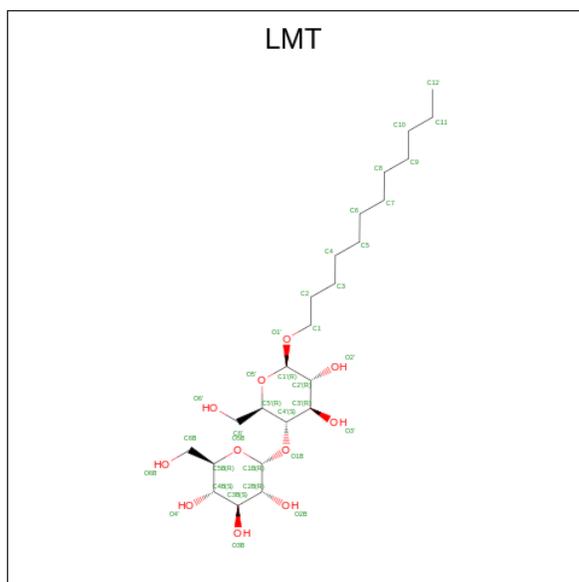
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
25	n	1	Total 41	C 33	Mg 1	N 4	O 3	0
25	n	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	n	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	o	1	Total 41	C 33	Mg 1	N 4	O 3	0
25	o	1	Total 47	C 37	Mg 1	N 4	O 5	0
25	o	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	o	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	o	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
25	o	1	Total 41	C 33	Mg 1	N 4	O 3	0
25	o	1	Total 42	C 35	Mg 1	N 4	O 2	0
25	o	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	o	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	p	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	p	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	p	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	p	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	p	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	p	1	Total 50	C 40	Mg 1	N 4	O 5	0
25	p	1	Total 45	C 35	Mg 1	N 4	O 5	0

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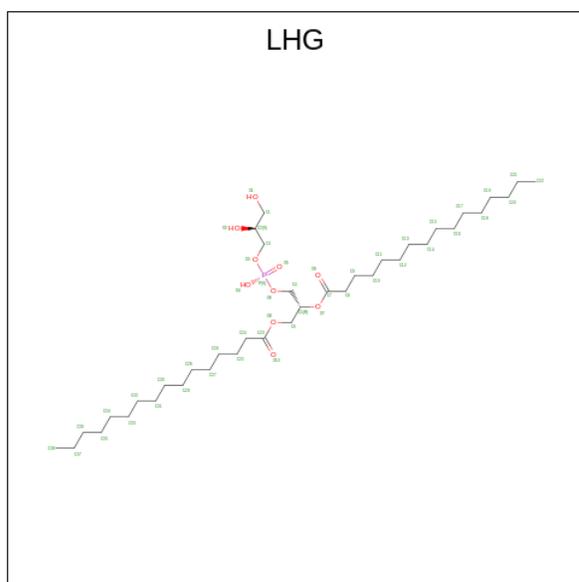
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	p	1	43	35	1	4	3	0
25	p	1	43	35	1	4	3	0

- Molecule 26 is DODECYL-BETA-D-MALTOSE (CCD ID: LMT) (formula: $C_{24}H_{46}O_{11}$).



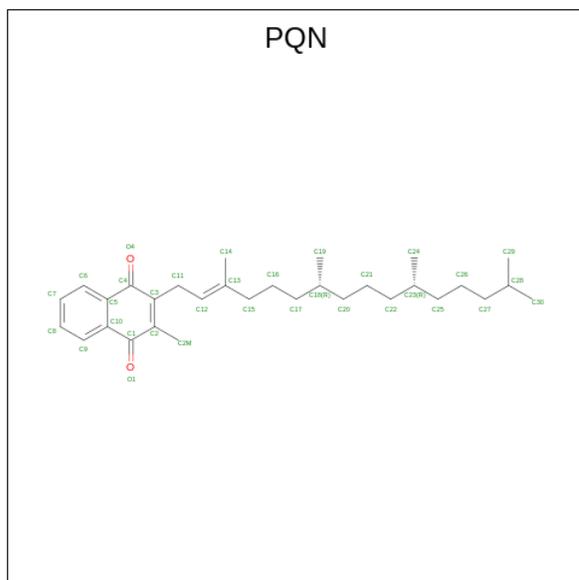
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
26	A	1	35	24	11	0

- Molecule 27 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



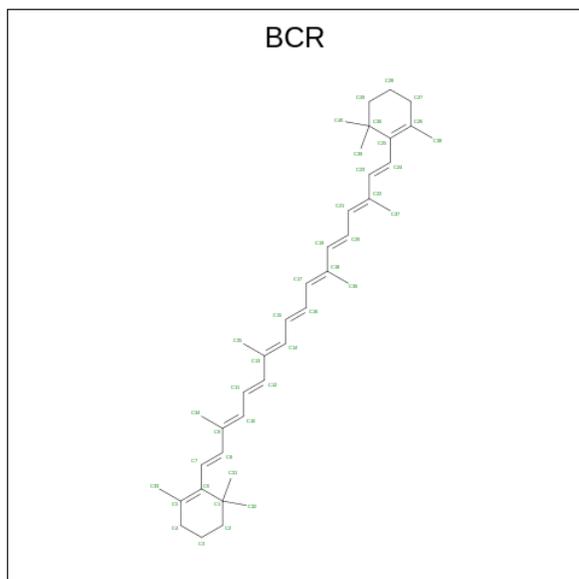
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
27	A	1	38	27	10	1	0
27	A	1	49	38	10	1	0
27	a	1	26	15	10	1	0
27	b	1	31	20	10	1	0
27	c	1	30	19	10	1	0
27	d	1	29	18	10	1	0
27	h	1	30	19	10	1	0
27	h	1	31	20	10	1	0
27	i	1	36	25	10	1	0
27	j	1	37	26	10	1	0
27	m	1	32	21	10	1	0
27	g	1	35	24	10	1	0

- Molecule 28 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



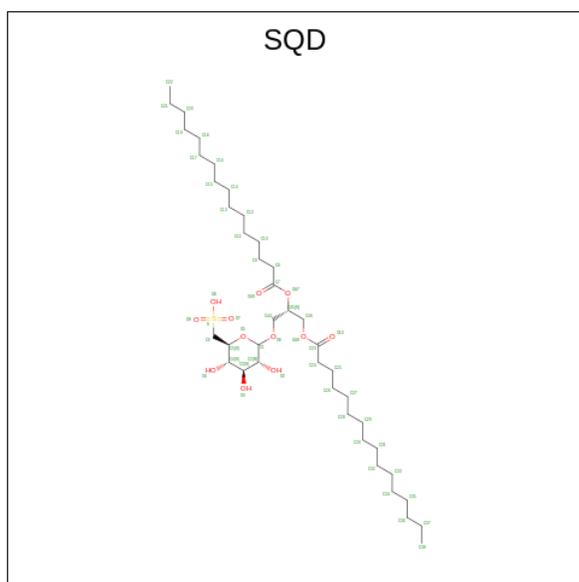
Mol	Chain	Residues	Atoms			AltConf
28	A	1	Total	C	O	0
			33	31	2	
28	B	1	Total	C	O	0
			33	31	2	
28	B	1	Total	C	O	0
			27	25	2	
28	d	1	Total	C	O	0
			26	24	2	

- Molecule 29 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$).



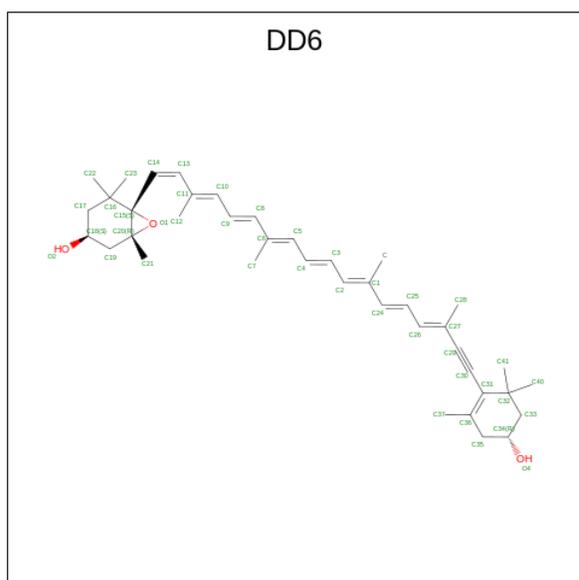
Mol	Chain	Residues	Atoms	AltConf
29	A	1	Total C 40 40	0
29	A	1	Total C 40 40	0
29	A	1	Total C 40 40	0
29	A	1	Total C 40 40	0
29	A	1	Total C 40 40	0
29	A	1	Total C 40 40	0
29	B	1	Total C 40 40	0
29	B	1	Total C 40 40	0
29	B	1	Total C 40 40	0
29	B	1	Total C 40 40	0
29	B	1	Total C 40 40	0
29	B	1	Total C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

- Molecule 30 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSYL]-SN-GLYCEROL (CCD ID: SQD) (formula: C₄₁H₇₈O₁₂S).



Mol	Chain	Residues	Atoms				AltConf
30	A	1	Total	C	O	S	0
			27	14	12	1	
30	c	1	Total	C	O	S	0
			39	26	12	1	
30	j	1	Total	C	O	S	0
			36	23	12	1	
30	g	1	Total	C	O	S	0
			32	19	12	1	

- Molecule 31 is (3S,3'R,5R,6S,7cis)-7',8'-didehydro-5,6-dihydro-5,6-epoxy-beta,beta-carotene -3,3'-diol (CCD ID: DD6) (formula: C₄₀H₅₄O₃).



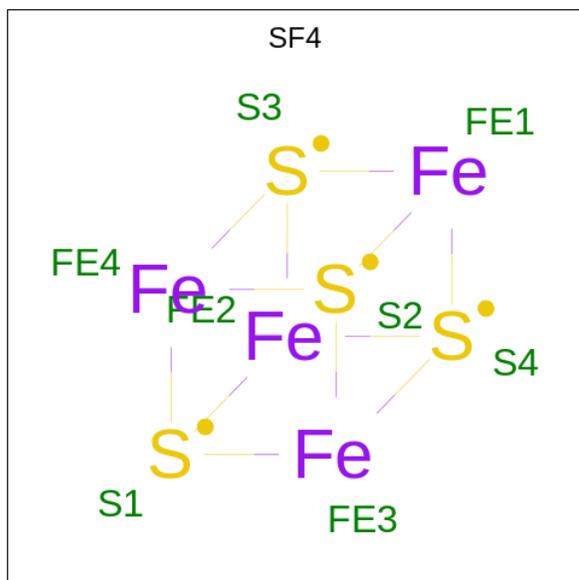
Mol	Chain	Residues	Atoms			AltConf
31	A	1	Total 43	C 40	O 3	0
31	A	1	Total 43	C 40	O 3	0
31	F	1	Total 43	C 40	O 3	0
31	J	1	Total 43	C 40	O 3	0
31	a	1	Total 43	C 40	O 3	0
31	a	1	Total 43	C 40	O 3	0
31	b	1	Total 43	C 40	O 3	0
31	b	1	Total 43	C 40	O 3	0
31	c	1	Total 43	C 40	O 3	0
31	c	1	Total 43	C 40	O 3	0
31	c	1	Total 43	C 40	O 3	0
31	c	1	Total 43	C 40	O 3	0
31	d	1	Total 43	C 40	O 3	0
31	d	1	Total 43	C 40	O 3	0
31	d	1	Total 43	C 40	O 3	0
31	e	1	Total 43	C 40	O 3	0
31	e	1	Total 43	C 40	O 3	0
31	e	1	Total 43	C 40	O 3	0
31	h	1	Total 43	C 40	O 3	0
31	h	1	Total 43	C 40	O 3	0
31	i	1	Total 43	C 40	O 3	0
31	i	1	Total 43	C 40	O 3	0

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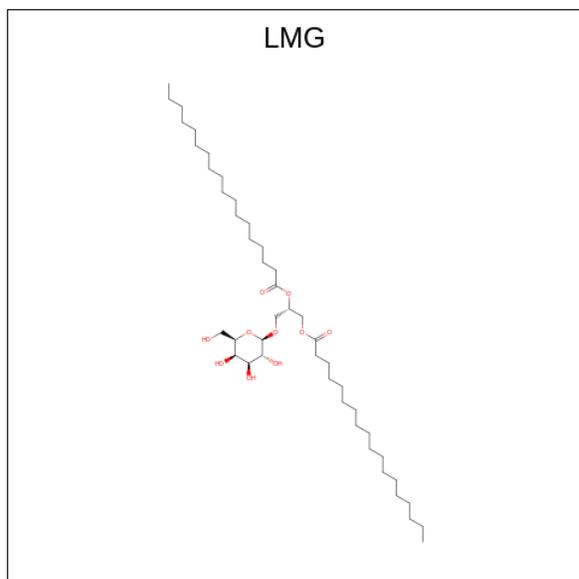
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
31	i	1	43	40	3	0
31	j	1	43	40	3	0
31	j	1	43	40	3	0
31	k	1	43	40	3	0
31	k	1	43	40	3	0
31	l	1	43	40	3	0
31	l	1	43	40	3	0
31	m	1	43	40	3	0
31	m	1	43	40	3	0
31	f	1	43	40	3	0
31	f	1	43	40	3	0
31	g	1	43	40	3	0
31	g	1	43	40	3	0
31	n	1	43	40	3	0
31	n	1	43	40	3	0
31	n	1	43	40	3	0
31	o	1	43	40	3	0
31	o	1	43	40	3	0
31	p	1	43	40	3	0

- Molecule 32 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



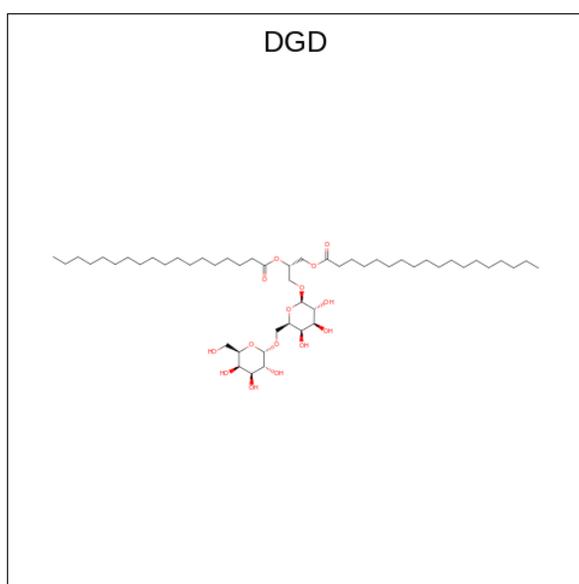
Mol	Chain	Residues	Atoms			AltConf
			Total	Fe	S	
32	B	1	8	4	4	0
32	C	1	8	4	4	0
32	C	1	8	4	4	0

- Molecule 33 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: C₄₅H₈₆O₁₀).



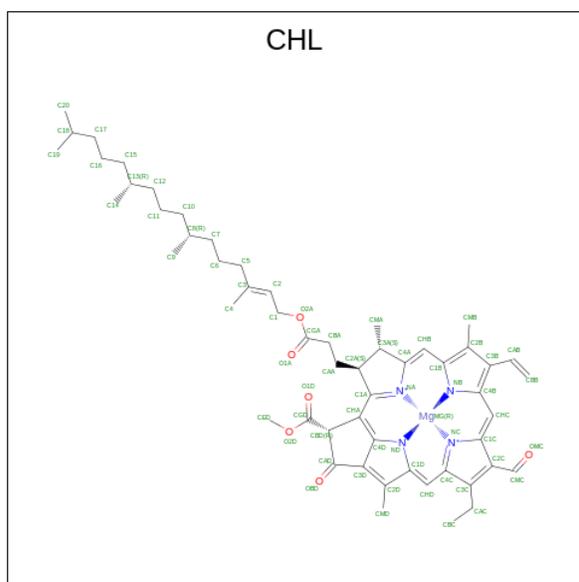
Mol	Chain	Residues	Atoms			AltConf
33	B	1	Total	C	O	0
			52	42	10	
33	a	1	Total	C	O	0
			43	33	10	
33	i	1	Total	C	O	0
			44	34	10	
33	k	1	Total	C	O	0
			36	26	10	

- Molecule 34 is DIGALACTOSYL DIACYL GLYCEROL (DGDG) (CCD ID: DGD) (formula: $C_{51}H_{96}O_{15}$).



Mol	Chain	Residues	Atoms			AltConf
34	B	1	Total	C	O	0
			54	39	15	
34	b	1	Total	C	O	0
			48	33	15	
34	e	1	Total	C	O	0
			36	21	15	

- Molecule 35 is CHLOROPHYLL B (CCD ID: CHL) (formula: $C_{55}H_{70}MgN_4O_6$).

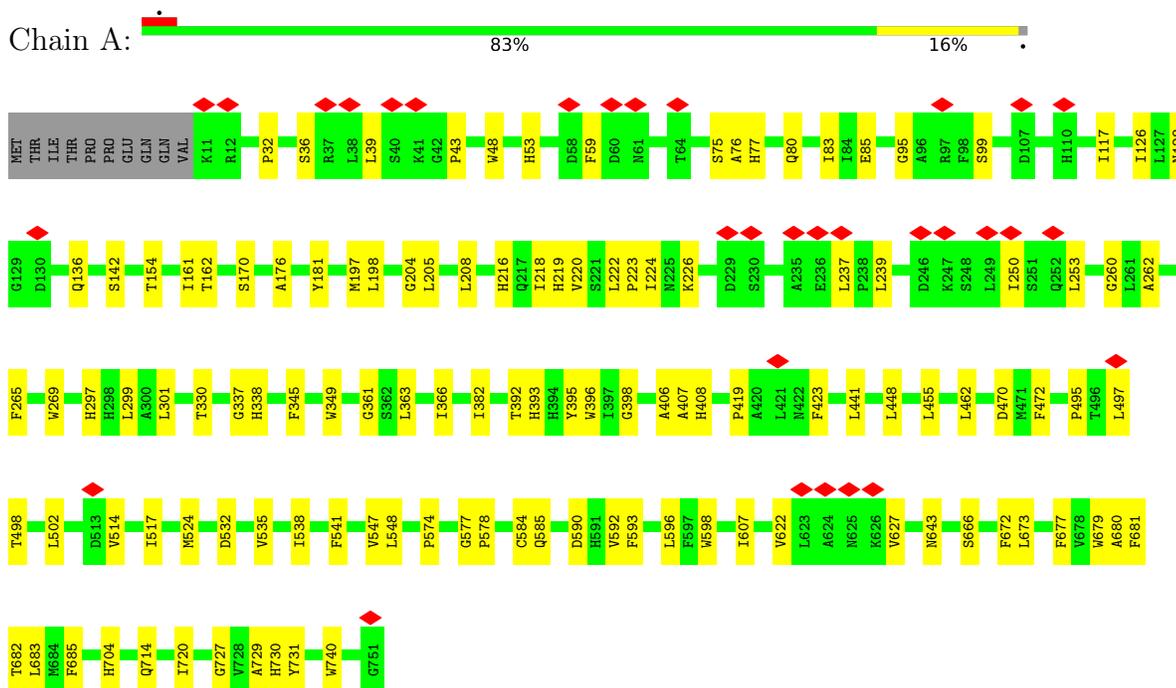


Mol	Chain	Residues	Atoms				AltConf	
			Total	C	Mg	N		O
35	c	1	49	38	1	4	6	0
35	d	1	51	40	1	4	6	0
35	d	1	46	35	1	4	6	0
35	d	1	43	34	1	4	4	0
35	d	1	46	35	1	4	6	0
35	e	1	46	35	1	4	6	0

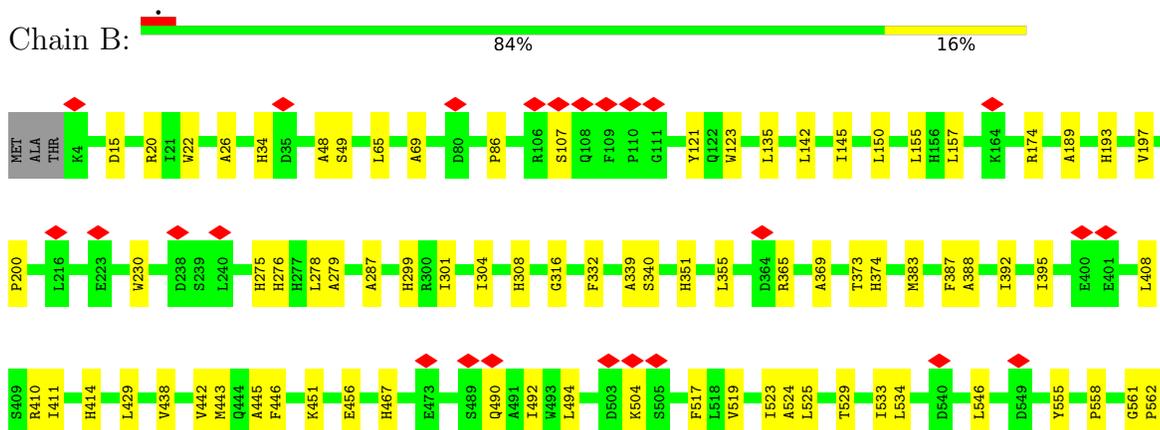
3 Residue-property plots

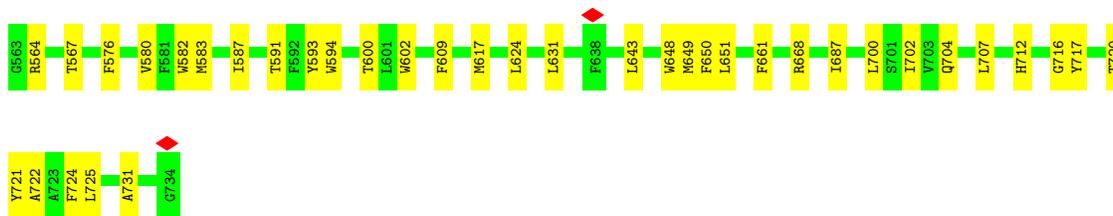
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion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

- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

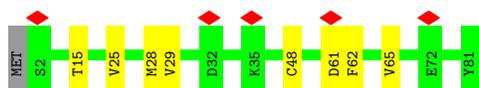
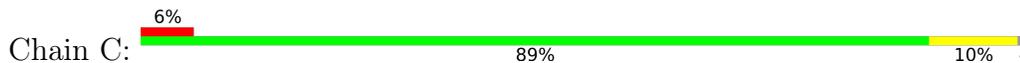


- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

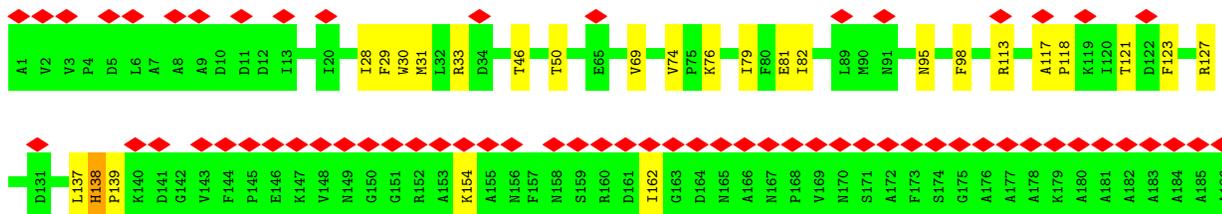
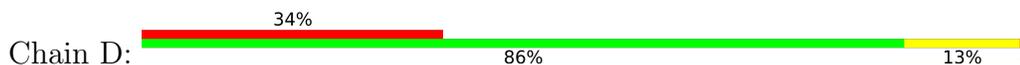




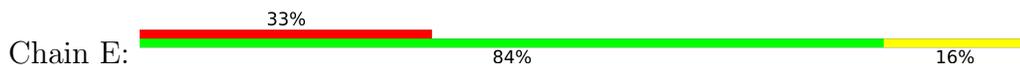
• Molecule 3: Photosystem I iron-sulfur center



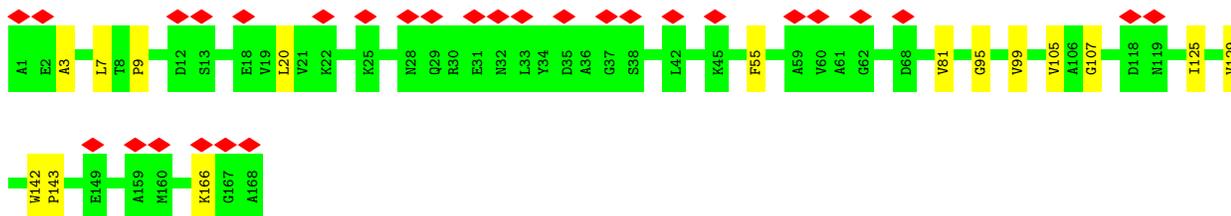
• Molecule 4: PsaD



• Molecule 5: PsaE

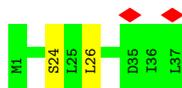


• Molecule 6: PsaF

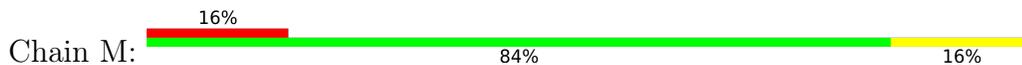


• Molecule 7: Photosystem I reaction center subunit IX

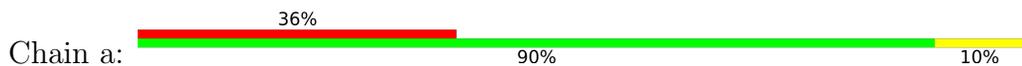




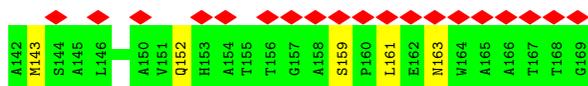
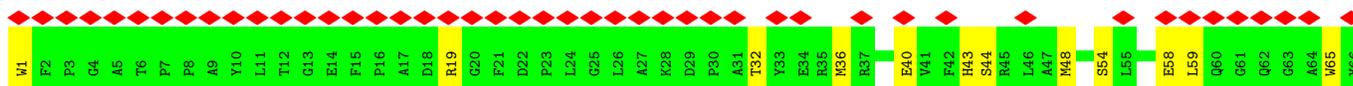
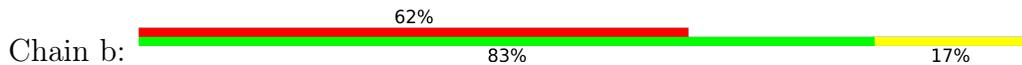
- Molecule 8: Photosystem I reaction center subunit XII



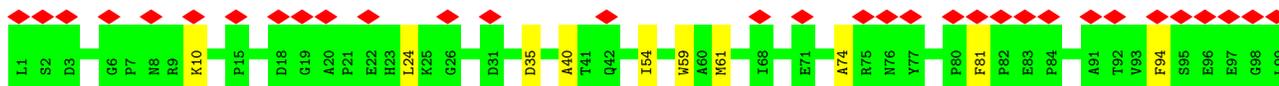
- Molecule 9: Chloroplast light-harvesting complex I protein

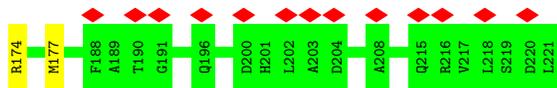


- Molecule 10: Chloroplast light-harvesting complex I protein

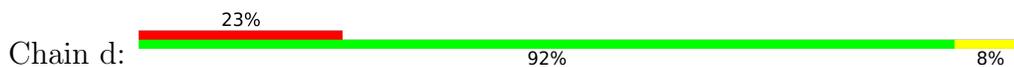


- Molecule 11: LHCE 3

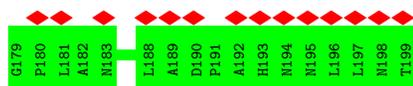
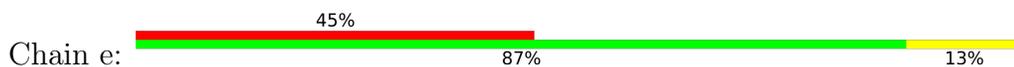




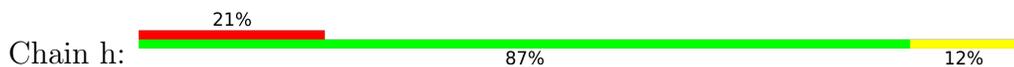
- Molecule 12: Light harvesting chlorophyll a /b binding protein of PSII



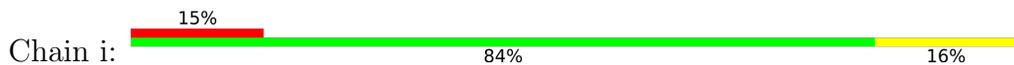
- Molecule 13: Chloroplast light-harvesting complex II protein



- Molecule 14: LHCE 8

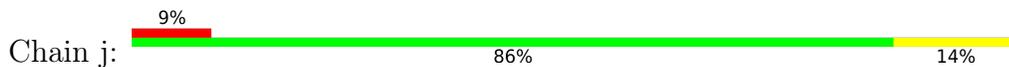


- Molecule 15: LHCE 9

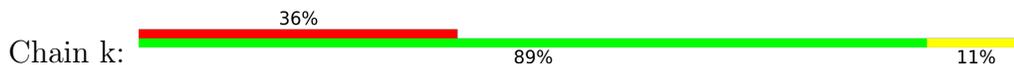




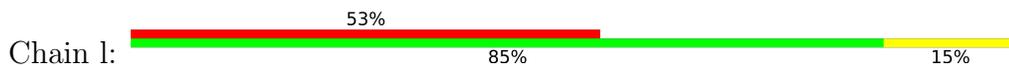
- Molecule 16: Chloroplast light-harvesting complex I protein



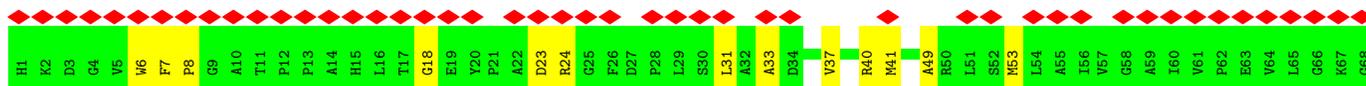
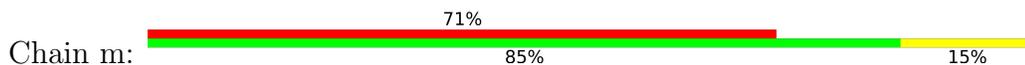
- Molecule 17: Chloroplast light-harvesting complex I protein

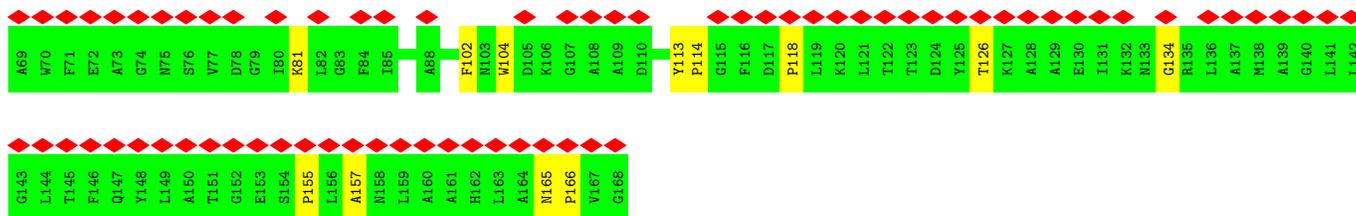


- Molecule 18: Chloroplast light-harvesting complex I protein

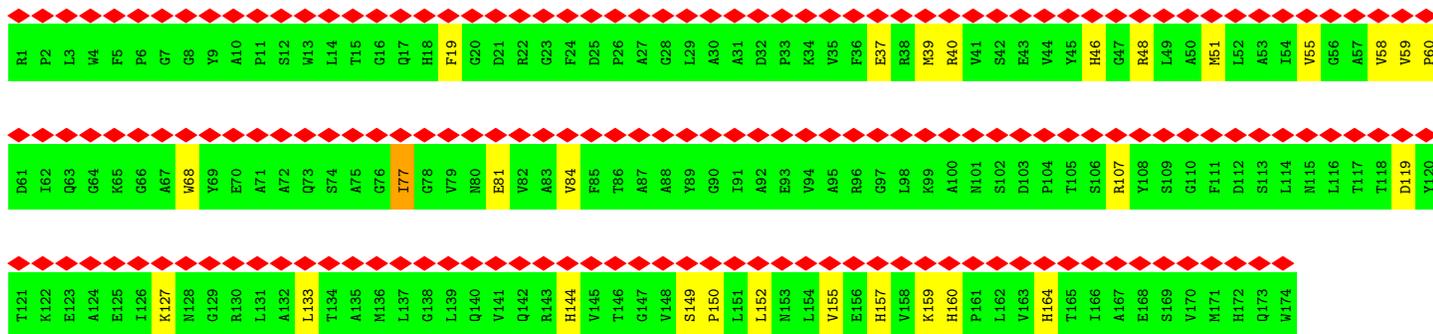
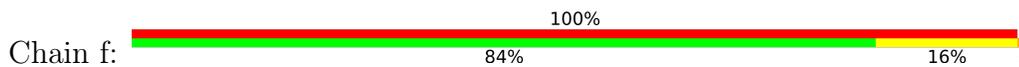


- Molecule 19: Chloroplast light-harvesting complex I protein

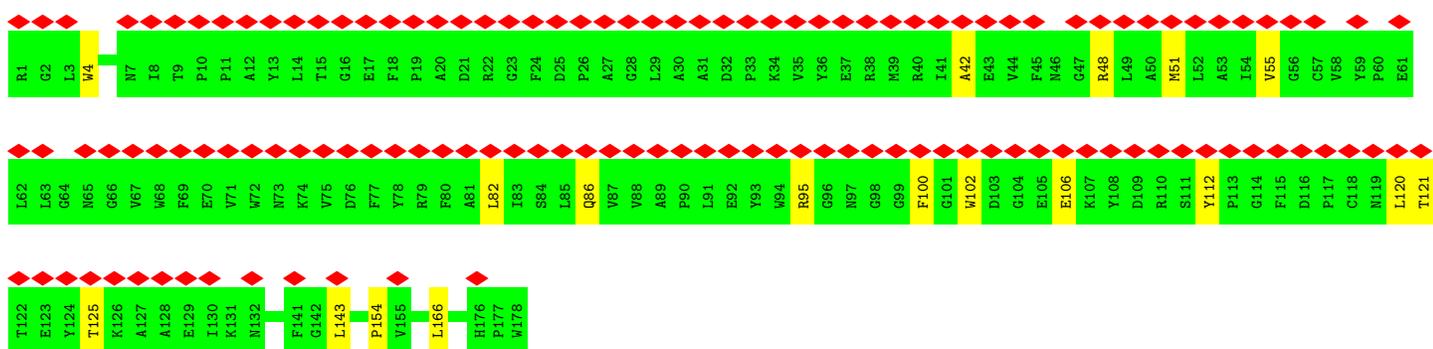




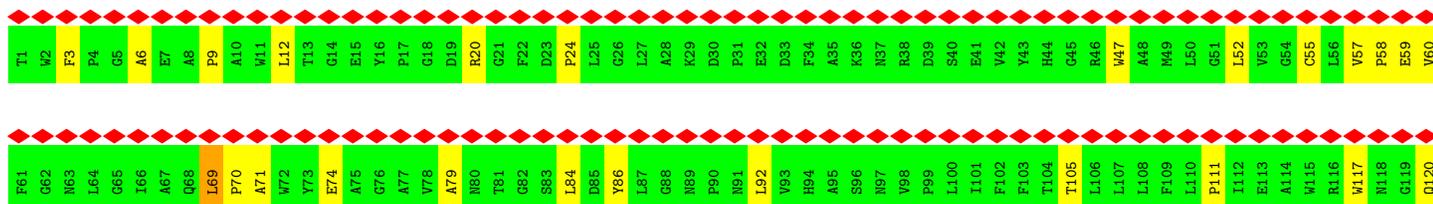
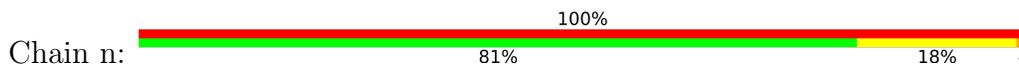
• Molecule 20: Chloroplast light-harvesting complex I protein, Lhca7_2

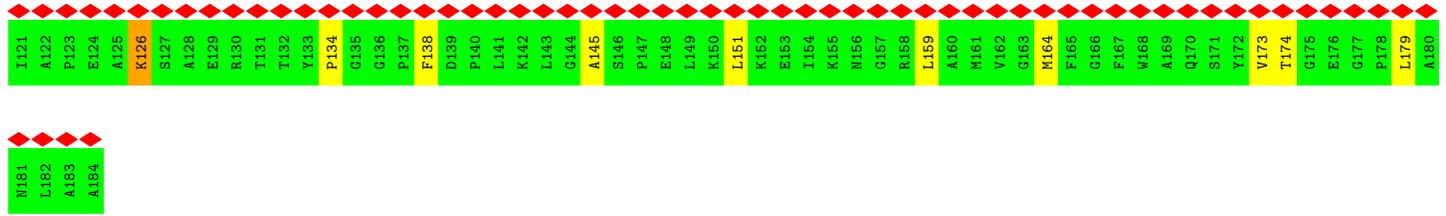


• Molecule 21: Chloroplast light-harvesting complex I protein

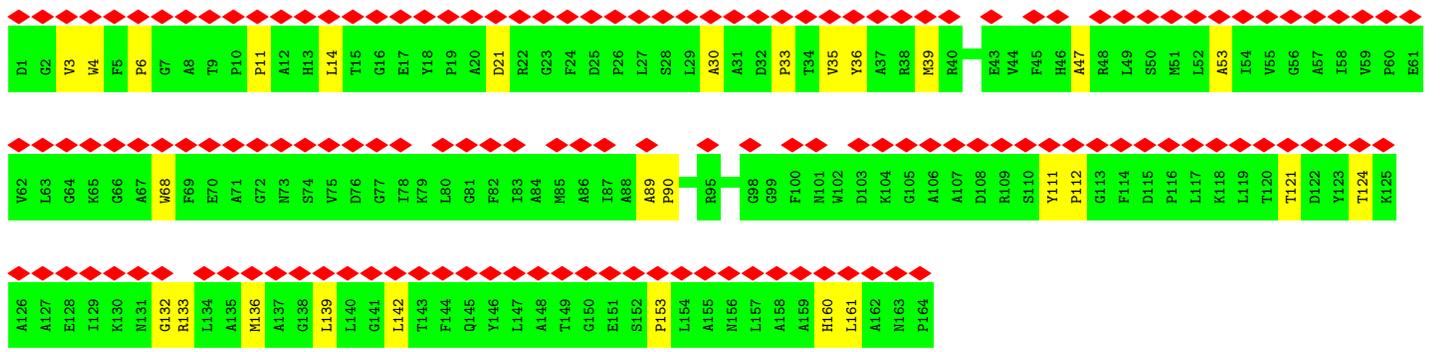
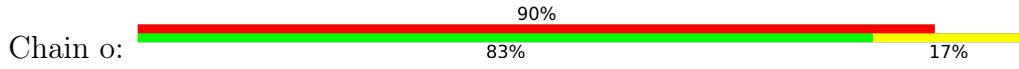


• Molecule 22: Chloroplast light-harvesting complex II protein

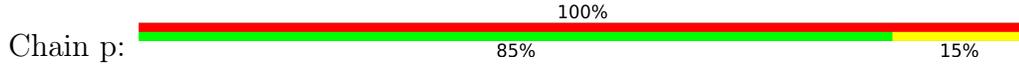




• Molecule 23: Chloroplast light-harvesting complex I protein



• Molecule 24: Chloroplast light-harvesting complex I protein



4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	562173	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	NONE	Depositor
Microscope	FEI POLARA 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	60	Depositor
Minimum defocus (nm)	1000	Depositor
Maximum defocus (nm)	2000	Depositor
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	1.741	Depositor
Minimum map value	-0.575	Depositor
Average map value	-0.000	Depositor
Map value standard deviation	0.032	Depositor
Recommended contour level	0.5	Depositor
Map size (\AA)	532.48, 532.48, 532.48	wwPDB
Map dimensions	512, 512, 512	wwPDB
Map angles ($^\circ$)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (\AA)	1.04, 1.04, 1.04	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: LMT, CHL, PQN, SF4, LMG, CLA, DD6, LHG, DGD, BCR, SQD

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	A	0.17	0/6079	0.28	0/8287
2	B	0.17	0/6071	0.28	0/8277
3	C	0.16	0/606	0.30	0/819
4	D	0.13	0/1426	0.27	0/1941
5	E	0.13	0/491	0.25	0/669
6	F	0.14	0/1275	0.26	0/1739
7	J	0.14	0/314	0.24	0/429
8	M	0.16	0/247	0.24	0/332
9	a	0.14	0/1311	0.25	0/1772
10	b	0.13	0/1344	0.28	0/1829
11	c	0.14	0/1719	0.25	0/2336
12	d	0.15	0/1719	0.27	0/2343
13	e	0.13	0/1566	0.25	0/2141
14	h	0.14	0/1388	0.28	0/1886
15	i	0.16	0/1391	0.30	0/1894
16	j	0.16	0/1499	0.27	0/2045
17	k	0.14	0/1377	0.26	0/1871
18	l	0.13	0/1293	0.26	0/1763
19	m	0.14	0/1297	0.30	0/1768
20	f	0.10	0/1367	0.26	0/1861
21	g	0.12	0/1452	0.25	0/1980
22	n	0.11	0/1458	0.26	0/1993
23	o	0.12	0/1266	0.28	0/1727
24	p	0.11	0/1156	0.26	0/1572
All	All	0.15	0/39112	0.27	0/53274

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
4	D	0	1

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
4	D	138	HIS	Peptide

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	5878	0	5745	99	0
2	B	5861	0	5659	102	0
3	C	596	0	571	6	0
4	D	1393	0	1371	17	0
5	E	481	0	479	9	0
6	F	1250	0	1259	13	0
7	J	305	0	317	2	0
8	M	243	0	258	4	0
9	a	1274	0	1235	13	0
10	b	1302	0	1244	19	0
11	c	1676	0	1689	16	0
12	d	1669	0	1650	16	0
13	e	1517	0	1468	19	0
14	h	1350	0	1324	18	0
15	i	1355	0	1336	24	0
16	j	1450	0	1401	20	0
17	k	1338	0	1314	13	0
18	l	1256	0	1234	20	0
19	m	1260	0	1236	24	0
20	f	1332	0	1312	16	0
21	g	1406	0	1358	15	0
22	n	1411	0	1372	24	0
23	o	1230	0	1205	23	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
24	p	1126	0	1115	13	0
25	A	2588	0	2466	120	0
25	B	2333	0	2201	117	0
25	J	50	0	39	2	0
25	a	571	0	488	24	0
25	b	492	0	373	14	0
25	c	679	0	556	22	0
25	d	480	0	389	11	0
25	e	623	0	506	16	0
25	f	553	0	448	10	0
25	g	598	0	467	22	0
25	h	642	0	533	27	0
25	i	603	0	527	15	0
25	j	667	0	568	19	0
25	k	631	0	520	14	0
25	l	562	0	459	17	0
25	m	461	0	369	15	0
25	n	499	0	389	14	0
25	o	429	0	320	12	0
25	p	393	0	297	9	0
26	A	35	0	46	0	0
27	A	87	0	123	7	0
27	a	26	0	22	1	0
27	b	31	0	32	3	0
27	c	30	0	29	3	0
27	d	29	0	28	3	0
27	g	35	0	40	0	0
27	h	61	0	62	3	0
27	i	36	0	42	2	0
27	j	37	0	44	4	0
27	m	32	0	34	2	0
28	A	33	0	46	5	0
28	B	60	0	78	2	0
28	d	26	0	29	0	0
29	A	240	0	336	14	0
29	B	240	0	336	24	0
29	M	40	0	56	2	0
30	A	27	0	18	0	0
30	c	39	0	42	0	0
30	g	32	0	28	2	0
30	j	36	0	36	0	0
31	A	86	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
31	F	43	0	0	0	0
31	J	43	0	0	0	0
31	a	86	0	0	1	0
31	b	86	0	0	0	0
31	c	172	0	0	0	0
31	d	129	0	0	1	0
31	e	129	0	0	0	0
31	f	86	0	0	0	0
31	g	86	0	0	0	0
31	h	86	0	0	0	0
31	i	129	0	0	1	0
31	j	86	0	0	0	0
31	k	86	0	0	0	0
31	l	86	0	0	0	0
31	m	86	0	0	2	0
31	n	129	0	0	1	0
31	o	86	0	0	0	0
31	p	43	0	0	0	0
32	B	8	0	0	0	0
32	C	16	0	0	0	0
33	B	52	0	77	5	0
33	a	43	0	56	0	0
33	i	44	0	61	0	0
33	k	36	0	42	3	0
34	B	54	0	66	2	0
34	b	48	0	54	3	0
34	e	36	0	30	2	0
35	c	49	0	34	3	0
35	d	186	0	128	7	0
35	e	46	0	31	0	0
All	All	55406	0	51153	806	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 8.

All (806) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:m:7:PHE:HA	25:m:601:CLA:NB	1.93	0.82
13:e:30:ALA:HB2	25:e:602:CLA:HBA1	1.63	0.81
23:o:47:ALA:HB1	23:o:132:GLY:HA3	1.64	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:A:775:CLA:HBA1	25:A:775:CLA:HBD	1.67	0.76
1:A:740:TRP:HB2	25:A:775:CLA:HBB1	1.69	0.74
1:A:204:GLY:O	1:A:208:LEU:HB2	1.86	0.74
19:m:49:ALA:HB1	19:m:134:GLY:HA3	1.69	0.74
27:a:181:LHG:HC42	25:a:601:CLA:HBD	1.70	0.73
25:a:602:CLA:HBB1	25:a:602:CLA:H51	1.70	0.73
18:l:49:ALA:HB1	18:l:134:GLY:HA3	1.71	0.72
20:f:149:SER:HB2	20:f:152:LEU:HB2	1.72	0.72
23:o:160:HIS:HE1	25:o:614:CLA:NA	1.87	0.72
18:l:46:VAL:HG22	18:l:131:ILE:HD11	1.72	0.70
25:A:784:CLA:HBA2	27:A:786:LHG:H161	1.73	0.69
28:A:785:PQN:H162	29:A:796:BCR:H382	1.74	0.69
25:B:753:CLA:H41	25:B:771:CLA:HBC3	1.73	0.69
14:h:5:ILE:HG22	14:h:8:ALA:HB2	1.74	0.69
23:o:36:TYR:H	23:o:39:MET:HG2	1.59	0.68
3:C:62:PHE:HD2	4:D:162:ILE:HG21	1.59	0.68
1:A:76:ALA:HB1	25:A:760:CLA:HBB1	1.76	0.68
5:E:14:PRO:HB2	6:F:166:LYS:HG3	1.77	0.67
20:f:39:MET:HB3	25:f:602:CLA:H3A	1.75	0.67
25:A:753:CLA:HBB1	25:A:791:CLA:NB	2.10	0.67
2:B:721:TYR:HB2	25:B:736:CLA:HED2	1.77	0.67
29:A:792:BCR:H12C	25:A:798:CLA:H12	1.77	0.66
1:A:223:PRO:HG3	1:A:250:ILE:HD13	1.77	0.66
25;j:601:CLA:HBB1	33;k:179:LMG:H331	1.76	0.66
1:A:83:ILE:HD12	25:A:797:CLA:HAB	1.76	0.66
4:D:74:VAL:HG22	4:D:76:LYS:H	1.59	0.66
6:F:105:VAL:HG21	6:F:142:TRP:HB2	1.77	0.66
23:o:121:THR:H	23:o:124:THR:HG22	1.61	0.66
25:B:751:CLA:H2	25:B:757:CLA:HBB2	1.78	0.65
14:h:120:LEU:HB2	25:h:610:CLA:HBA1	1.77	0.65
1:A:729:ALA:HA	27:A:786:LHG:H342	1.78	0.65
15:i:90:GLY:HA3	25:i:609:CLA:HAB	1.76	0.65
18:l:114:PRO:HB3	25:l:608:CLA:HBC2	1.78	0.65
25:B:777:CLA:H3A	25:B:784:CLA:HED3	1.79	0.65
10:b:44:SER:HB3	10:b:139:GLY:HA3	1.78	0.64
25:i:603:CLA:HBC2	25:i:615:CLA:HBB2	1.79	0.64
2:B:339:ALA:HB2	29:B:766:BCR:H372	1.80	0.64
1:A:265:PHE:HB2	25:a:619:CLA:H41	1.81	0.63
13:e:145:LEU:HB2	25:e:610:CLA:HBA1	1.80	0.63
10:b:59:LEU:HD12	10:b:161:LEU:HD11	1.81	0.63
25:e:608:CLA:HBA1	25:e:608:CLA:HBD	1.80	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
22:n:3:PHE:HD2	22:n:6:ALA:HB2	1.64	0.62
25:B:775:CLA:HAB	33:B:786:LMG:H342	1.80	0.62
25:e:602:CLA:H43	25:e:603:CLA:HBA1	1.81	0.62
27:h:190:LHG:HC82	25:h:611:CLA:HBC3	1.82	0.62
35:c:607:CHL:HBA2	12:d:219:LEU:HB2	1.82	0.61
35:d:607:CHL:HHC	35:d:607:CHL:HBB1	1.82	0.61
14:h:113:PRO:HB3	25:h:608:CLA:HBC2	1.80	0.61
2:B:722:ALA:HB2	25:B:778:CLA:HBB1	1.80	0.61
17:k:113:PRO:HB3	25:k:608:CLA:HBC2	1.82	0.61
20:f:160:HIS:HB2	20:f:164:HIS:HD2	1.66	0.61
2:B:369:ALA:HB1	2:B:725:LEU:HD11	1.83	0.61
1:A:269:TRP:CH2	25:A:767:CLA:HBB1	2.36	0.60
1:A:498:THR:HG21	25:A:780:CLA:HMD3	1.83	0.60
2:B:490:GLN:HB2	25:B:780:CLA:HED1	1.82	0.60
2:B:69:ALA:HB2	2:B:135:LEU:HB2	1.83	0.60
21:g:143:LEU:HD22	21:g:154:PRO:HB3	1.82	0.60
22:n:120:GLN:HB3	22:n:126:LYS:HE2	1.83	0.60
27:j:198:LHG:HC42	25:j:601:CLA:HBD	1.84	0.60
1:A:226:LYS:HD3	1:A:253:LEU:HB3	1.83	0.60
1:A:538:ILE:HD12	25:A:752:CLA:H171	1.84	0.60
25:i:601:CLA:H2A	25:i:601:CLA:HED3	1.81	0.60
23:o:161:LEU:HD21	25:o:614:CLA:HAC1	1.83	0.59
25:d:613:CLA:HMB2	25:d:614:CLA:HAB	1.84	0.59
4:D:33:ARG:HD2	25:j:611:CLA:HAA2	1.83	0.59
1:A:598:TRP:HH2	25:A:758:CLA:HAB	1.68	0.59
29:B:765:BCR:H332	33:B:786:LMG:H141	1.84	0.59
15:i:160:HIS:HB3	15:i:163:ASN:HD22	1.67	0.59
12:d:60:TRP:CE2	35:d:608:CHL:HED2	2.38	0.58
9:a:124:SER:H	9:a:127:THR:HG22	1.68	0.58
10:b:1:TRP:HB2	10:b:19:ARG:HB3	1.84	0.58
27:A:756:LHG:H292	25:A:804:CLA:HBB1	1.84	0.58
29:B:765:BCR:H373	25:B:781:CLA:H111	1.85	0.58
18:l:7:PHE:HB3	18:l:10:ALA:HB2	1.83	0.58
13:e:123:LEU:HD21	25:e:608:CLA:HBB1	1.84	0.58
10:b:32:THR:O	10:b:36:MET:HG2	2.03	0.58
11:c:40:ALA:HB2	25:c:602:CLA:HBA1	1.86	0.58
23:o:160:HIS:CD2	25:o:614:CLA:NC	2.70	0.58
25:A:773:CLA:H12	25:A:781:CLA:HAA1	1.86	0.58
1:A:682:THR:HG21	1:A:731:TYR:HB2	1.85	0.58
25:B:751:CLA:HED2	25:B:781:CLA:HBD	1.86	0.58
25:l:614:CLA:C1D	25:l:617:CLA:HBB2	2.34	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E:11:ILE:HD12	5:E:18:TRP:HB2	1.85	0.57
2:B:395:ILE:HD13	2:B:555:TYR:HA	1.86	0.57
10:b:84:PHE:HE2	34:b:182:DGD:HD1	1.69	0.57
25:A:755:CLA:HAC2	25:A:766:CLA:HAB	1.86	0.57
29:B:762:BCR:HC8	25:B:775:CLA:HMD1	1.85	0.57
25:B:751:CLA:HBB1	29:B:766:BCR:H19C	1.85	0.57
25:A:776:CLA:H61	29:A:787:BCR:H342	1.86	0.57
25:A:758:CLA:C1B	25:B:737:CLA:HBB1	2.35	0.57
2:B:49:SER:HB3	25:B:738:CLA:HBB1	1.86	0.57
25:p:603:CLA:HAA2	25:p:603:CLA:HBD	1.85	0.57
13:e:147:ALA:HB2	25:e:610:CLA:H2A	1.87	0.57
25:A:758:CLA:H143	25:B:742:CLA:HAB	1.85	0.56
25:A:770:CLA:HBB1	25:A:774:CLA:H72	1.86	0.56
27:i:194:LHG:HC91	27:i:194:LHG:H281	1.88	0.56
17:k:83:ILE:HG23	25:k:618:CLA:HMD2	1.87	0.56
21:g:48:ARG:HA	21:g:51:MET:HE3	1.87	0.56
25:A:761:CLA:H3A	25:A:777:CLA:HAB	1.87	0.56
25:B:773:CLA:H42	25:B:781:CLA:HBB2	1.87	0.56
15:i:101:ASN:HA	15:i:106:LYS:HG2	1.87	0.56
25:A:770:CLA:H151	25:A:804:CLA:HBC1	1.87	0.56
12:d:59:ARG:HA	12:d:62:MET:HE3	1.87	0.56
2:B:332:PHE:HE2	2:B:408:LEU:HD11	1.70	0.56
2:B:649:MET:HE1	25:B:741:CLA:H41	1.87	0.56
25:j:601:CLA:HMB2	33:k:179:LMG:H292	1.88	0.56
1:A:673:LEU:HD11	2:B:617:MET:HB2	1.88	0.55
1:A:338:HIS:CD2	25:A:771:CLA:ND	2.73	0.55
1:A:392:THR:HG22	25:A:775:CLA:HAB	1.88	0.55
25:B:739:CLA:H3A	25:B:753:CLA:HAB	1.89	0.55
6:F:81:VAL:HG21	12:d:115:LEU:HD13	1.88	0.55
2:B:442:VAL:HG21	25:B:756:CLA:HAC2	1.88	0.55
12:d:176:ARG:HA	12:d:179:MET:HE3	1.88	0.55
21:g:82:LEU:HG	21:g:86:GLN:HE21	1.71	0.55
25:B:738:CLA:HBD	25:B:738:CLA:H122	1.89	0.55
25:B:755:CLA:HBC2	25:B:783:CLA:HMC2	1.87	0.55
22:n:105:THR:HG22	25:n:606:CLA:C4A	2.29	0.55
25:c:603:CLA:HBC1	35:c:607:CHL:HBB2	1.88	0.55
19:m:8:PRO:HD3	25:m:601:CLA:C1B	2.37	0.55
19:m:165:ASN:HB3	19:m:166:PRO:HD3	1.87	0.55
9:a:136:ARG:HA	9:a:139:MET:HE3	1.88	0.55
25:j:613:CLA:H122	25:j:613:CLA:HAB	1.88	0.55
25:g:608:CLA:HAA1	25:g:608:CLA:HBD	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:448:LEU:HB3	1:A:541:PHE:HB2	1.88	0.55
13:e:5:PHE:HB3	13:e:8:ALA:HB2	1.88	0.55
15:i:30:ALA:HB2	25:i:602:CLA:HBA1	1.89	0.55
16:j:51:ARG:HA	16:j:54:MET:HE3	1.88	0.55
21:g:112:TYR:HB3	25:g:610:CLA:HED2	1.89	0.55
1:A:162:THR:OG1	25:A:799:CLA:HBA1	2.07	0.54
2:B:155:LEU:HD13	25:h:612:CLA:H41	1.89	0.54
13:e:120:ASN:HA	13:e:127:ALA:HA	1.89	0.54
1:A:85:GLU:HB3	1:A:170:SER:HB2	1.89	0.54
1:A:714:GLN:HE22	5:E:45:GLN:H	1.55	0.54
23:o:11:PRO:HD2	23:o:14:LEU:HD12	1.89	0.54
14:h:5:ILE:HG12	14:h:6:PRO:HD2	1.89	0.54
1:A:363:LEU:HD11	25:A:769:CLA:H71	1.89	0.54
25:B:750:CLA:HHC	25:B:777:CLA:HMD3	1.89	0.54
16:j:105:TRP:HB2	19:m:40:ARG:HG3	1.90	0.54
25:f:613:CLA:HAA1	25:f:613:CLA:HBD	1.89	0.54
25:p:610:CLA:HAB	25:p:612:CLA:HAC2	1.90	0.54
1:A:330:THR:HG22	1:A:337:GLY:HA3	1.90	0.54
2:B:301:ILE:HG21	25:B:750:CLA:HAC1	1.90	0.54
11:c:165:LEU:HD23	11:c:168:LYS:HD3	1.89	0.54
29:B:764:BCR:H343	25:B:772:CLA:H3A	1.90	0.54
8:M:13:LEU:HD21	29:M:201:BCR:HC32	1.88	0.54
14:h:134:ARG:HA	14:h:137:MET:HE3	1.89	0.54
4:D:127:ARG:HB2	4:D:137:LEU:HD11	1.89	0.54
13:e:160:ARG:HA	13:e:163:MET:HE3	1.90	0.54
22:n:145:ALA:HB2	25:n:610:CLA:HED3	1.90	0.54
25:A:752:CLA:HAB	25:B:736:CLA:HAA1	1.90	0.53
25:B:750:CLA:H142	25:B:777:CLA:H51	1.89	0.53
25:B:776:CLA:H52	13:e:113:PRO:HG3	1.90	0.53
17:k:5:ILE:HG23	17:k:8:ALA:HB2	1.91	0.53
25:B:752:CLA:H203	29:B:764:BCR:H15C	1.90	0.53
19:m:102:PHE:H	27:m:182:LHG:HC12	1.73	0.53
25:B:753:CLA:H141	25:B:778:CLA:H141	1.90	0.53
19:m:8:PRO:HD3	25:m:601:CLA:C2B	2.39	0.53
25:A:793:CLA:HMB2	7:J:26:LEU:HD21	1.91	0.53
9:a:115:PRO:HB3	25:a:608:CLA:HBC2	1.91	0.53
13:e:19:PRO:HB2	13:e:156:ILE:HD12	1.91	0.53
1:A:32:PRO:HB2	1:A:48:TRP:HH2	1.74	0.53
1:A:75:SER:OG	1:A:181:TYR:HB2	2.08	0.53
1:A:83:ILE:HD11	25:A:765:CLA:H112	1.90	0.53
25:B:758:CLA:H72	25:B:758:CLA:HBB1	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:A:760:CLA:H72	25:A:766:CLA:H12	1.90	0.52
2:B:524:ALA:HB2	25:B:758:CLA:HMA1	1.90	0.52
25:n:603:CLA:HAC2	25:n:607:CLA:HBB2	1.90	0.52
1:A:730:HIS:HE1	25:A:784:CLA:ND	2.08	0.52
25:B:774:CLA:H71	25:B:781:CLA:H11	1.91	0.52
25:i:603:CLA:HBB1	31:i:621:DD6:C6	2.38	0.52
21:g:102:TRP:HB2	24:p:35:ARG:HD3	1.91	0.52
10:b:140:ARG:HA	10:b:143:MET:HE3	1.91	0.52
25:i:613:CLA:HBD	25:i:613:CLA:HBA1	1.90	0.52
16:j:77:LYS:HG3	16:j:78:VAL:HG23	1.91	0.52
1:A:361:GLY:HA2	1:A:398:GLY:HA2	1.92	0.52
1:A:495:PRO:HG3	1:A:502:LEU:HD23	1.92	0.52
25:A:784:CLA:HBD	25:A:784:CLA:HBA1	1.91	0.52
2:B:373:THR:HG22	25:B:778:CLA:HAB	1.89	0.52
27:d:237:LHG:HC5	25:d:601:CLA:HMD3	1.92	0.52
25:A:775:CLA:HBC3	29:A:790:BCR:H313	1.91	0.52
14:h:2:LEU:HB3	25:h:601:CLA:HED3	1.91	0.52
2:B:668:ARG:HB2	28:B:761:PQN:H7	1.90	0.52
21:g:120:LEU:HB2	25:g:610:CLA:HBA1	1.92	0.52
16:j:181:TRP:HB2	16:j:182:PRO:HD3	1.92	0.52
17:k:134:ARG:HA	17:k:137:MET:HE3	1.91	0.52
2:B:631:LEU:HD22	2:B:724:PHE:HA	1.92	0.51
18:l:32:ALA:HB2	25:l:602:CLA:HBA1	1.91	0.51
25:l:613:CLA:HBD	25:l:613:CLA:HBA1	1.92	0.51
20:f:157:HIS:CD2	25:f:614:CLA:NC	2.78	0.51
1:A:142:SER:HA	25:A:775:CLA:HMA2	1.92	0.51
1:A:622:VAL:HG22	1:A:627:VAL:HG22	1.91	0.51
13:e:48:ARG:HA	13:e:51:MET:HE3	1.91	0.51
22:n:159:LEU:HD21	25:n:612:CLA:HAA1	1.91	0.51
1:A:349:TRP:HB3	25:A:760:CLA:HAC1	1.91	0.51
10:b:43:HIS:CE1	25:b:609:CLA:HMD3	2.45	0.51
1:A:598:TRP:CH2	25:A:758:CLA:HAB	2.45	0.51
2:B:174:ARG:HB2	25:B:745:CLA:HBC2	1.92	0.51
2:B:564:ARG:HG2	5:E:48:GLU:HG2	1.93	0.51
15:i:31:ALA:HB3	19:m:33:ALA:HB3	1.93	0.51
25:A:774:CLA:HMB1	25:A:780:CLA:HAA2	1.93	0.51
25:B:759:CLA:HBB2	28:B:761:PQN:H141	1.93	0.51
5:E:11:ILE:HD11	5:E:42:PHE:CZ	2.46	0.51
25:k:610:CLA:H43	25:k:612:CLA:HBA1	1.91	0.51
25:n:604:CLA:HAA1	25:n:604:CLA:HBD	1.91	0.51
19:m:126:THR:HG22	25:m:610:CLA:H3A	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
29:B:764:BCR:H313	25:B:772:CLA:H12	1.92	0.51
17:k:78:PRO:HB2	18:l:80:ILE:HG22	1.93	0.51
23:o:4:TRP:H	23:o:4:TRP:CD1	2.29	0.51
24:p:44:ALA:HB1	24:p:129:GLY:HA3	1.93	0.51
25:A:753:CLA:HMD3	2:B:533:ILE:HG12	1.93	0.51
2:B:411:ILE:HA	2:B:414:HIS:CE1	2.46	0.51
15:i:94:VAL:HG11	22:n:111:PRO:HD3	1.93	0.51
17:k:44:VAL:HG22	17:k:130:ILE:HD11	1.93	0.51
19:m:118:PRO:HD2	31:m:620:DD6:O2	2.11	0.51
2:B:189:ALA:HA	25:B:772:CLA:HAB	1.92	0.50
6:F:20:LEU:HB2	6:F:55:PHE:CD2	2.45	0.50
25:h:610:CLA:H12	25:h:610:CLA:HMB1	1.93	0.50
2:B:519:VAL:HG21	2:B:593:TYR:HB2	1.93	0.50
25:h:613:CLA:HBA1	25:h:613:CLA:HBD	1.92	0.50
16:j:34:ALA:HB3	18:l:33:ALA:HB3	1.93	0.50
19:m:6:TRP:HA	25:m:601:CLA:C4D	2.41	0.50
19:m:18:GLY:HA2	19:m:23:ASP:HB3	1.93	0.50
29:M:201:BCR:H382	29:M:201:BCR:H23C	1.93	0.50
27:c:243:LHG:HC32	25:c:601:CLA:HAC1	1.94	0.50
14:h:46:HIS:CE1	25:h:609:CLA:HMD3	2.46	0.50
10:b:54:SER:HB2	10:b:65:TRP:HB3	1.92	0.50
24:p:38:VAL:HG22	24:p:107:SER:HB2	1.93	0.50
15:i:90:GLY:HA2	15:i:93:GLU:HB2	1.91	0.50
25:A:791:CLA:H51	2:B:438:VAL:HG13	1.94	0.50
22:n:71:ALA:HB3	22:n:74:GLU:HG2	1.92	0.50
15:i:161:PRO:O	15:i:162:LEU:HB2	2.11	0.50
1:A:154:THR:HG21	1:A:237:LEU:HD12	1.94	0.50
25:B:737:CLA:HED3	25:B:737:CLA:HBA2	1.94	0.50
17:k:121:THR:HG21	25:k:610:CLA:HED3	1.94	0.50
21:g:42:ALA:HB2	25:g:609:CLA:HED2	1.92	0.50
25:g:610:CLA:HBB2	25:g:612:CLA:CHB	2.41	0.50
12:d:66:LEU:HD23	25:d:604:CLA:HMC1	1.94	0.50
25:j:609:CLA:H2	27:m:182:LHG:H132	1.94	0.49
2:B:123:TRP:HH2	25:B:752:CLA:H12	1.77	0.49
2:B:340:SER:HA	25:B:781:CLA:H51	1.93	0.49
25:B:785:CLA:HAA1	25:B:785:CLA:HBD	1.93	0.49
15:i:41:VAL:HG22	15:i:107:ARG:HG3	1.94	0.49
22:n:20:ARG:HH21	22:n:151:LEU:HD21	1.76	0.49
25:l:602:CLA:H43	25:l:603:CLA:HBA1	1.94	0.49
1:A:574:PRO:HB3	1:A:720:ILE:HB	1.94	0.49
1:A:683:LEU:HB2	25:A:753:CLA:HMC2	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:279:ALA:HB2	25:B:773:CLA:HBB1	1.94	0.49
2:B:687:ILE:HD11	16:j:123:LEU:HD21	1.95	0.49
25:a:613:CLA:H11	25:a:619:CLA:H52	1.95	0.49
25:c:609:CLA:HBA1	12:d:37:THR:HG21	1.95	0.49
27:j:198:LHG:H262	25:j:601:CLA:HMD2	1.93	0.49
9:a:29:PHE:CD2	25:a:602:CLA:H12	2.47	0.49
16:j:44:ILE:HG12	16:j:114:SER:HB2	1.94	0.49
18:l:42:ARG:O	18:l:46:VAL:HG23	2.13	0.49
25:A:776:CLA:H12	29:A:787:BCR:H311	1.94	0.49
23:o:89:ALA:HB3	23:o:90:PRO:HD3	1.94	0.49
25:A:758:CLA:NB	25:B:737:CLA:HBB1	2.27	0.49
25:A:783:CLA:HBB2	6:F:107:GLY:HA3	1.94	0.49
27:d:237:LHG:HC61	27:d:237:LHG:H111	1.95	0.49
1:A:677:PHE:CG	29:A:790:BCR:H363	2.47	0.49
25:a:602:CLA:H3A	25:a:602:CLA:CGA	2.43	0.49
25:f:608:CLA:HAA2	25:f:608:CLA:HBD	1.94	0.49
25:n:602:CLA:H43	25:n:603:CLA:HBA1	1.94	0.49
1:A:197:MET:HE2	25:A:766:CLA:HHD	1.94	0.49
12:d:164:PHE:CZ	25:d:610:CLA:HED3	2.48	0.49
15:i:145:VAL:HA	15:i:174:TRP:HB2	1.95	0.49
23:o:142:LEU:HD13	23:o:153:PRO:HB3	1.94	0.49
1:A:59:PHE:CD2	25:A:760:CLA:HMC2	2.48	0.48
19:m:7:PHE:HA	25:m:601:CLA:C1B	2.43	0.48
1:A:198:LEU:HG	25:A:772:CLA:HMD2	1.95	0.48
1:A:345:PHE:HZ	29:A:788:BCR:H24C	1.78	0.48
2:B:355:LEU:HD11	25:B:781:CLA:HBB1	1.95	0.48
22:n:105:THR:HA	25:n:606:CLA:HMA3	1.96	0.48
1:A:218:ILE:HA	1:A:222:LEU:HD12	1.94	0.48
1:A:679:TRP:O	1:A:682:THR:HB	2.14	0.48
25:o:610:CLA:HBB2	25:o:612:CLA:CHB	2.44	0.48
1:A:77:HIS:CE1	25:A:760:CLA:ND	2.81	0.48
25:i:604:CLA:HAB	25:i:608:CLA:H52	1.95	0.48
22:n:47:TRP:CD2	25:n:608:CLA:HED3	2.48	0.48
1:A:682:THR:HG23	1:A:727:GLY:O	2.13	0.48
25:A:791:CLA:HMB3	25:B:736:CLA:H191	1.96	0.48
2:B:643:LEU:HD11	2:B:731:ALA:HB2	1.94	0.48
25:B:741:CLA:O1A	25:B:778:CLA:HBD	2.13	0.48
25:B:756:CLA:HBB1	25:B:779:CLA:C2B	2.44	0.48
9:a:48:ARG:HA	9:a:51:MET:HE3	1.95	0.48
14:h:48:ARG:HA	14:h:51:MET:HE3	1.94	0.48
27:h:189:LHG:H101	27:h:189:LHG:H131	1.57	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:j:137:ARG:HA	16:j:140:MET:HE3	1.96	0.48
17:k:47:GLY:O	17:k:51:MET:HG3	2.13	0.48
1:A:419:PRO:HG2	4:D:81:GLU:HB2	1.96	0.48
25:A:777:CLA:H101	27:A:786:LHG:H331	1.94	0.48
17:k:91:LEU:HD13	25:k:608:CLA:HMA1	1.95	0.48
23:o:6:PRO:HD3	25:o:601:CLA:HMA1	1.96	0.48
25:h:615:CLA:HBD	25:h:615:CLA:HAA2	1.95	0.48
15:i:37:GLU:HG3	15:i:40:ARG:HH12	1.78	0.48
25:B:775:CLA:HBB2	33:B:786:LMG:H362	1.96	0.48
25:c:603:CLA:H43	12:d:40:LEU:HD21	1.94	0.48
25:c:610:CLA:H3A	25:c:610:CLA:HBA2	1.45	0.48
25:k:618:CLA:HBB2	25:l:609:CLA:H101	1.96	0.48
1:A:408:HIS:HE1	25:A:777:CLA:NA	2.11	0.47
25:B:738:CLA:HBC2	25:B:753:CLA:HMA1	1.96	0.47
1:A:681:PHE:N	25:A:753:CLA:HAB	2.28	0.47
25:A:755:CLA:H62	25:A:755:CLA:H41	1.56	0.47
25:g:613:CLA:HAA1	25:g:613:CLA:HBD	1.96	0.47
23:o:35:VAL:O	23:o:36:TYR:HB3	2.12	0.47
24:p:58:GLU:HG3	24:p:63:GLY:C	2.40	0.47
2:B:230:TRP:CH2	25:B:747:CLA:HBB1	2.50	0.47
25:B:752:CLA:H192	29:B:763:BCR:H352	1.95	0.47
12:d:157:LEU:HB2	25:d:610:CLA:HBA1	1.94	0.47
25:d:603:CLA:HBC1	35:d:607:CHL:HBB2	1.96	0.47
13:e:174:TYR:CD1	34:e:205:DGD:HG11	2.49	0.47
25:e:602:CLA:H3A	25:e:602:CLA:HBA2	1.55	0.47
20:f:155:VAL:O	20:f:159:LYS:HG2	2.14	0.47
25:A:784:CLA:HAC1	28:A:785:PQN:H192	1.96	0.47
25:c:602:CLA:H3A	25:c:602:CLA:HBA2	1.56	0.47
23:o:112:PRO:HD3	25:o:608:CLA:HMD2	1.97	0.47
25:B:751:CLA:HBB1	29:B:766:BCR:C19	2.44	0.47
14:h:129:GLU:HB2	25:h:610:CLA:CHB	2.45	0.47
25:h:608:CLA:H3A	25:h:608:CLA:HBA2	1.56	0.47
18:l:126:THR:HG22	25:l:610:CLA:HBB	1.96	0.47
21:g:4:TRP:O	25:g:601:CLA:NA	2.48	0.47
2:B:373:THR:HG23	2:B:591:THR:HG21	1.97	0.47
14:h:93:TYR:CE2	25:o:609:CLA:HBA1	2.50	0.47
23:o:30:ALA:HB1	23:o:36:TYR:HB2	1.97	0.47
25:A:763:CLA:H162	25:A:763:CLA:H122	1.71	0.47
2:B:150:LEU:HD22	8:M:22:ALA:HA	1.96	0.47
2:B:299:HIS:HB3	2:B:304:ILE:HD11	1.96	0.47
2:B:661:PHE:HB3	25:B:737:CLA:HMC2	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:c:74:ALA:HB2	11:c:81:PHE:HD2	1.80	0.47
25:c:608:CLA:HBD	25:c:608:CLA:HAA1	1.97	0.47
13:e:103:ILE:HG12	25:e:605:CLA:HBC2	1.97	0.47
14:h:75:TYR:OH	25:h:604:CLA:H2A	2.14	0.47
15:i:174:TRP:HE1	25:j:618:CLA:CAD	2.27	0.47
25:j:610:CLA:H61	25:j:610:CLA:H41	1.72	0.47
19:m:113:TYR:HB3	25:m:610:CLA:HED2	1.96	0.47
20:f:48:ARG:HA	20:f:51:MET:HE3	1.94	0.47
25:p:602:CLA:H3A	25:p:602:CLA:HBA2	1.66	0.47
1:A:382:ILE:HG21	1:A:517:ILE:HB	1.96	0.47
25:A:799:CLA:H3A	25:A:799:CLA:HBA2	1.49	0.47
25:l:602:CLA:H61	25:l:602:CLA:H41	1.80	0.47
22:n:79:ALA:HB2	22:n:84:LEU:HD11	1.96	0.47
1:A:80:GLN:HG2	25:A:760:CLA:H3A	1.97	0.47
2:B:22:TRP:CG	2:B:704:GLN:HE22	2.33	0.47
25:B:784:CLA:HAC2	33:B:786:LMG:HC71	1.96	0.47
11:c:10:LYS:HE2	27:c:243:LHG:HC2	1.97	0.47
11:c:155:LEU:HB2	25:c:610:CLA:HBA1	1.97	0.47
25:h:608:CLA:HBD	25:h:608:CLA:HAA1	1.97	0.47
16:j:31:GLY:HA3	18:l:37:VAL:HG21	1.96	0.47
25:f:613:CLA:H62	25:f:613:CLA:H92	1.70	0.47
22:n:117:TRP:HZ3	25:n:609:CLA:HED3	1.80	0.47
23:o:133:ARG:HA	23:o:136:MET:HE3	1.97	0.47
25:A:767:CLA:HBD	25:A:767:CLA:HAA1	1.97	0.47
25:A:784:CLA:H61	25:A:784:CLA:H41	1.77	0.47
13:e:14:LEU:HD11	13:e:25:ASP:HB2	1.97	0.47
14:h:125:THR:HG22	25:h:610:CLA:H3A	1.97	0.47
25:o:602:CLA:HBA2	25:o:602:CLA:H3A	1.76	0.47
25:A:775:CLA:H61	25:A:775:CLA:H41	1.69	0.46
3:C:29:VAL:HG21	4:D:154:LYS:HG3	1.97	0.46
25:d:602:CLA:HBB2	25:d:603:CLA:CHB	2.45	0.46
27:j:198:LHG:HC82	27:j:198:LHG:H281	1.97	0.46
18:l:162:HIS:CD2	25:l:614:CLA:NB	2.83	0.46
19:m:31:LEU:HD12	25:m:602:CLA:H12	1.97	0.46
1:A:441:LEU:HG	1:A:548:LEU:HB2	1.97	0.46
25:A:770:CLA:H62	25:A:770:CLA:H92	1.83	0.46
25:B:756:CLA:H51	25:B:756:CLA:H8	1.51	0.46
11:c:24:LEU:HD11	11:c:35:ASP:HB2	1.96	0.46
20:f:68:TRP:HD1	20:f:150:PRO:HG3	1.80	0.46
25:g:602:CLA:H3A	25:g:602:CLA:HBA2	1.72	0.46
25:A:768:CLA:HBA2	25:A:768:CLA:H3A	1.59	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:B:785:CLA:HMD3	12:d:115:LEU:HD23	1.97	0.46
25:h:601:CLA:H3A	25:h:601:CLA:HBA2	1.47	0.46
15:i:166:ILE:HD13	25:j:604:CLA:H101	1.97	0.46
27:i:194:LHG:H302	27:i:194:LHG:H112	1.98	0.46
25:i:610:CLA:HMB3	25:i:612:CLA:HAA1	1.98	0.46
21:g:166:LEU:HD12	30:g:190:SQD:H5	1.96	0.46
22:n:86:TYR:HD2	22:n:92:LEU:HD13	1.80	0.46
1:A:704:HIS:HE1	25:A:783:CLA:C4D	2.27	0.46
2:B:26:ALA:HB2	34:B:787:DGD:HB42	1.97	0.46
25:a:602:CLA:H11	31:a:621:DD6:O1	2.15	0.46
25:a:609:CLA:HMB1	10:b:100:TYR:HB2	1.97	0.46
15:i:47:GLY:O	15:i:51:MET:HG3	2.15	0.46
25:i:610:CLA:H41	25:i:610:CLA:H61	1.74	0.46
25:f:610:CLA:H41	25:f:610:CLA:H61	1.56	0.46
25:A:765:CLA:H41	25:A:765:CLA:H62	1.49	0.46
2:B:712:HIS:HE1	25:B:760:CLA:ND	2.12	0.46
9:a:120:LEU:HD12	9:a:122:MET:HE2	1.97	0.46
25:h:602:CLA:H41	25:h:602:CLA:H61	1.58	0.46
16:j:72:PHE:CD2	16:j:150:SER:HB2	2.51	0.46
18:l:126:THR:HG21	25:l:610:CLA:HBA2	1.97	0.46
15:i:167:ALA:O	25:j:604:CLA:H11	2.16	0.46
16:j:173:ILE:HD11	25:k:604:CLA:H161	1.98	0.46
23:o:68:TRP:HE1	23:o:142:LEU:HD11	1.81	0.46
2:B:365:ARG:HB3	2:B:602:TRP:CZ3	2.51	0.46
25:B:780:CLA:H62	25:B:780:CLA:H41	1.56	0.46
6:F:142:TRP:CG	6:F:143:PRO:HD3	2.50	0.46
25:e:610:CLA:HBB2	25:e:612:CLA:CHB	2.45	0.46
17:k:117:PRO:HB3	33:k:179:LMG:H142	1.98	0.46
25:g:613:CLA:H62	25:g:613:CLA:H41	1.70	0.46
22:n:58:PRO:HA	22:n:69:LEU:HB3	1.97	0.46
1:A:36:SER:HB3	1:A:39:LEU:HB2	1.98	0.46
25:A:784:CLA:H142	29:A:796:BCR:H363	1.98	0.46
25:A:794:CLA:H112	6:F:129:VAL:HG13	1.98	0.46
22:n:173:VAL:HG23	22:n:174:THR:HG23	1.97	0.46
24:p:57:PRO:O	24:p:58:GLU:HB2	2.15	0.46
25:A:763:CLA:HAB	29:A:792:BCR:H352	1.98	0.46
2:B:15:ASP:HB3	2:B:20:ARG:HB2	1.98	0.46
2:B:707:LEU:HD23	34:B:787:DGD:HB31	1.98	0.46
25:B:776:CLA:HAB	33:B:786:LMG:H132	1.97	0.46
4:D:28:ILE:HD12	4:D:30:TRP:HD1	1.80	0.46
4:D:123:PHE:CE2	4:D:138:HIS:HD2	2.34	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:p:8:PRO:HG2	24:p:22:ASP:H	1.80	0.46
1:A:216:HIS:HB2	25:A:799:CLA:C1C	2.46	0.46
1:A:301:LEU:HD11	25:A:769:CLA:HBB1	1.97	0.46
2:B:279:ALA:CB	25:B:773:CLA:HBB1	2.46	0.46
2:B:351:HIS:CD2	25:B:781:CLA:NC	2.85	0.46
2:B:648:TRP:CE3	29:B:767:BCR:HC41	2.51	0.46
18:l:134:GLY:O	18:l:138:MET:HG3	2.16	0.46
20:f:144:HIS:HB2	25:f:615:CLA:HED1	1.97	0.46
25:A:772:CLA:HBB2	29:A:788:BCR:H361	1.98	0.45
4:D:113:ARG:HG2	4:D:121:THR:HG22	1.98	0.45
25:l:614:CLA:HAA1	25:l:614:CLA:HBD	1.97	0.45
21:g:125:THR:HG22	25:g:610:CLA:H3A	1.97	0.45
25:g:613:CLA:H3A	25:g:613:CLA:HBA2	1.78	0.45
2:B:278:LEU:HD11	25:B:747:CLA:HAB	1.96	0.45
2:B:301:ILE:HG23	25:B:774:CLA:HED3	1.97	0.45
25:B:785:CLA:H3A	25:B:785:CLA:HBA2	1.65	0.45
25:i:601:CLA:H3A	25:i:601:CLA:HBA2	1.60	0.45
20:f:40:ARG:HB2	20:f:107:ARG:HH21	1.82	0.45
1:A:262:ALA:HA	25:a:619:CLA:H43	1.98	0.45
1:A:643:ASN:HB2	2:B:651:LEU:HD11	1.98	0.45
25:B:758:CLA:HBA2	25:B:782:CLA:CGA	2.47	0.45
29:B:765:BCR:H363	25:B:774:CLA:H2	1.97	0.45
25:h:610:CLA:HMB3	25:h:612:CLA:HAA1	1.96	0.45
15:i:93:GLU:OE1	15:i:96:ARG:HD3	2.16	0.45
20:f:81:GLU:HA	20:f:84:VAL:HG22	1.97	0.45
2:B:523:ILE:CG2	25:B:782:CLA:HBB1	2.45	0.45
11:c:61:MET:HE3	11:c:172:ASN:HB3	1.97	0.45
25:k:608:CLA:HAA1	25:k:608:CLA:HBD	1.99	0.45
18:l:7:PHE:CG	18:l:8:PRO:HD2	2.52	0.45
2:B:276:HIS:HB2	25:B:773:CLA:CHB	2.45	0.45
11:c:137:LEU:HB2	25:c:608:CLA:HMC2	1.98	0.45
11:c:174:ARG:HA	11:c:177:MET:HE3	1.97	0.45
1:A:406:ALA:HB2	29:A:789:BCR:H323	1.98	0.45
2:B:65:LEU:HD11	29:B:764:BCR:H281	1.97	0.45
29:B:767:BCR:H383	25:B:770:CLA:HMD3	1.99	0.45
25:l:610:CLA:HBA2	25:l:610:CLA:H3A	1.49	0.45
1:A:197:MET:HB2	25:A:766:CLA:HBC2	1.98	0.45
25:A:805:CLA:CAD	4:D:29:PHE:HB2	2.47	0.45
2:B:594:TRP:CD1	25:B:782:CLA:HBC2	2.52	0.45
25:h:604:CLA:HBA1	25:h:604:CLA:H3A	1.73	0.45
23:o:160:HIS:HE1	25:o:614:CLA:C4A	2.29	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:523:ILE:HG23	25:B:782:CLA:HBB1	1.99	0.45
25:B:748:CLA:HBA2	25:B:748:CLA:H3A	1.86	0.45
3:C:15:THR:HG22	3:C:28:MET:HG3	1.97	0.45
25:B:741:CLA:H203	25:B:741:CLA:H162	1.70	0.45
25:B:756:CLA:H91	6:F:99:VAL:HG21	1.98	0.45
25:j:610:CLA:HBA2	25:j:610:CLA:H3A	1.50	0.45
25:k:613:CLA:HAA1	25:k:613:CLA:HBD	1.98	0.45
1:A:297:HIS:HB2	25:A:768:CLA:C1B	2.47	0.45
25:A:768:CLA:H102	25:A:768:CLA:HBC3	1.99	0.45
25:B:758:CLA:HBD	25:B:758:CLA:HBA1	1.99	0.45
10:b:152:GLN:HB3	10:b:163:ASN:ND2	2.32	0.45
25:i:610:CLA:H3A	25:i:610:CLA:HBA2	1.45	0.45
21:g:121:THR:HG21	25:g:610:CLA:HED3	1.98	0.45
25:g:615:CLA:HAA2	25:g:615:CLA:HBD	1.99	0.45
22:n:59:GLU:HB2	22:n:179:LEU:HD12	2.00	0.45
1:A:53:HIS:HB3	27:A:786:LHG:H111	1.99	0.44
2:B:576:PHE:O	2:B:580:VAL:HG23	2.16	0.44
3:C:61:ASP:HB2	5:E:53:ASN:ND2	2.31	0.44
25:b:605:CLA:HAA1	25:b:605:CLA:HBD	1.99	0.44
35:d:606:CHL:HBA2	35:d:606:CHL:HBD	1.99	0.44
21:g:95:ARG:HA	25:g:608:CLA:HBC2	2.00	0.44
2:B:308:HIS:HE1	25:B:776:CLA:ND	2.12	0.44
25:B:739:CLA:H112	25:B:739:CLA:H152	1.77	0.44
25:B:739:CLA:H191	25:B:778:CLA:H151	2.00	0.44
22:n:70:PRO:HD2	25:n:604:CLA:HED3	1.99	0.44
23:o:36:TYR:HA	23:o:39:MET:HB2	1.99	0.44
25:A:772:CLA:H193	25:A:772:CLA:H162	1.89	0.44
25:A:783:CLA:HBB1	25:A:794:CLA:HMD3	2.00	0.44
25:A:798:CLA:H62	25:A:798:CLA:H41	1.79	0.44
2:B:123:TRP:CH2	25:B:752:CLA:H12	2.52	0.44
2:B:287:ALA:HB2	25:B:774:CLA:HBC2	1.99	0.44
2:B:443:MET:SD	2:B:451:LYS:HE3	2.57	0.44
25:m:602:CLA:H41	25:m:603:CLA:H3A	2.00	0.44
1:A:532:ASP:HA	1:A:535:VAL:HG12	2.00	0.44
2:B:230:TRP:HB2	25:B:747:CLA:HBA1	2.00	0.44
25:g:610:CLA:H3A	25:g:610:CLA:HBA2	1.68	0.44
1:A:578:PRO:HD3	2:B:561:GLY:HA2	1.99	0.44
25:A:752:CLA:HAA2	25:A:752:CLA:CGD	2.48	0.44
25:B:771:CLA:HAA1	25:B:771:CLA:HBD	1.99	0.44
25:a:619:CLA:HED2	25:a:619:CLA:HBD	1.86	0.44
25:b:612:CLA:H62	25:b:612:CLA:H41	1.59	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:e:123:LEU:HD21	25:e:608:CLA:CBB	2.48	0.44
25:k:602:CLA:H72	25:k:603:CLA:HMB3	1.98	0.44
25:l:610:CLA:H61	25:l:610:CLA:H41	1.66	0.44
2:B:712:HIS:HE1	25:B:760:CLA:C4D	2.31	0.44
29:B:766:BCR:H11C	25:B:783:CLA:H43	2.00	0.44
7:J:24:SER:HB3	25:J:101:CLA:HHC	1.99	0.44
25:b:604:CLA:HBA1	25:b:604:CLA:HBD	1.98	0.44
14:h:10:PRO:HA	14:h:11:PRO:HD3	1.82	0.44
16:j:44:ILE:HD13	19:m:104:TRP:NE1	2.33	0.44
25:l:602:CLA:H3A	25:l:602:CLA:HBA2	1.54	0.44
1:A:176:ALA:HB2	25:A:764:CLA:HBC2	1.99	0.44
25:A:765:CLA:H11	25:A:797:CLA:HBD	1.99	0.44
2:B:583:MET:O	2:B:587:ILE:HG12	2.18	0.44
11:c:59:TRP:CE2	25:c:608:CLA:HED2	2.53	0.44
16:j:94:LEU:HD13	25:j:608:CLA:HMA2	2.00	0.44
25:c:613:CLA:H2	25:c:614:CLA:HMD1	1.99	0.44
13:e:4:TRP:H	13:e:4:TRP:CD1	2.35	0.44
19:m:114:PRO:HB3	25:m:608:CLA:HBC2	1.99	0.44
1:A:117:ILE:O	25:A:798:CLA:HED2	2.18	0.44
25:A:769:CLA:H72	25:A:769:CLA:H112	1.67	0.44
25:A:783:CLA:H92	25:A:783:CLA:H62	1.77	0.44
25:A:793:CLA:HAA1	6:F:99:VAL:HG13	2.00	0.44
25:a:608:CLA:H41	25:a:608:CLA:H62	1.76	0.44
25:c:603:CLA:H11	25:c:603:CLA:HMA2	2.00	0.44
25:c:613:CLA:HAA1	25:c:613:CLA:HBD	1.99	0.44
25:m:602:CLA:H41	25:m:602:CLA:H62	1.92	0.44
2:B:456:GLU:HG3	6:F:7:LEU:HD11	2.00	0.43
11:c:94:PHE:CE1	12:d:213:THR:HG22	2.53	0.43
25:d:611:CLA:HBD	25:d:611:CLA:HAA1	2.00	0.43
16:j:52:LEU:HD22	25:j:609:CLA:HHH	1.99	0.43
24:p:109:PRO:HB3	25:p:608:CLA:HBC2	1.99	0.43
1:A:680:ALA:C	25:A:753:CLA:HAB	2.43	0.43
2:B:48:ALA:HB3	8:M:29:LEU:HD21	2.00	0.43
2:B:387:PHE:HB3	2:B:534:LEU:HB3	2.00	0.43
29:B:766:BCR:H17C	25:B:781:CLA:H112	2.00	0.43
16:j:40:GLU:HG2	16:j:43:ARG:HH22	1.83	0.43
22:n:55:CYS:O	22:n:58:PRO:HD2	2.18	0.43
1:A:392:THR:HG23	1:A:607:ILE:HG21	1.99	0.43
1:A:498:THR:HG21	25:A:780:CLA:CMD	2.48	0.43
25:A:800:CLA:HBA1	25:A:800:CLA:H3A	1.87	0.43
2:B:383:MET:HE1	29:B:766:BCR:H361	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:J:101:CLA:H3A	25:J:101:CLA:HBA2	1.47	0.43
15:i:14:LEU:HD11	15:i:25:ASP:HB2	1.99	0.43
23:o:53:ALA:HB3	23:o:139:LEU:HD11	2.00	0.43
1:A:666:SER:HB2	2:B:445:ALA:HB1	1.99	0.43
2:B:275:HIS:HE1	25:B:747:CLA:C4D	2.31	0.43
25:B:746:CLA:HBB2	25:B:752:CLA:H143	2.00	0.43
1:A:95:GLY:O	1:A:99:SER:HB2	2.19	0.43
1:A:366:ILE:HA	25:A:773:CLA:HED2	2.00	0.43
25:a:603:CLA:H11	25:a:603:CLA:HBA1	1.72	0.43
15:i:99:LYS:HB2	15:i:106:LYS:HD3	1.99	0.43
1:A:393:HIS:HE2	25:A:776:CLA:C1B	2.32	0.43
1:A:455:LEU:HD22	1:A:472:PHE:CE2	2.53	0.43
2:B:86:PRO:HB3	2:B:121:TYR:CG	2.54	0.43
2:B:600:THR:HG21	2:B:609:PHE:HB2	2.00	0.43
25:B:739:CLA:H3A	25:B:753:CLA:CAB	2.48	0.43
25:B:777:CLA:HBD	25:B:777:CLA:HBA1	1.99	0.43
18:l:18:GLY:HA2	18:l:23:ASP:HB3	2.00	0.43
1:A:161:ILE:HG22	25:A:799:CLA:H12	2.00	0.43
25:A:791:CLA:C1D	25:B:736:CLA:H2	2.49	0.43
2:B:142:LEU:HG	29:B:764:BCR:H382	1.99	0.43
25:b:612:CLA:H2	25:c:611:CLA:C1B	2.48	0.43
12:d:124:PHE:HB3	31:d:623:DD6:C3	2.48	0.43
13:e:174:TYR:HD1	34:e:205:DGD:HG11	1.84	0.43
25:f:613:CLA:H3A	25:f:613:CLA:HBA2	1.86	0.43
25:A:752:CLA:C1A	25:B:736:CLA:HAB	2.47	0.43
2:B:145:ILE:HD12	25:B:746:CLA:H152	2.01	0.43
25:B:745:CLA:H152	29:B:763:BCR:H271	2.01	0.43
25:a:611:CLA:H3A	25:a:611:CLA:HBA2	1.69	0.43
10:b:133:THR:HG22	10:b:137:LYS:HD2	2.01	0.43
27:b:181:LHG:HC32	34:b:182:DGD:HA82	2.00	0.43
11:c:166:LYS:O	11:c:170:VAL:HG23	2.19	0.43
25:c:609:CLA:HBA2	25:c:609:CLA:H3A	1.55	0.43
25:h:603:CLA:HBB1	25:h:615:CLA:HMB2	2.01	0.43
25:a:613:CLA:H62	25:a:613:CLA:H41	1.73	0.43
25:m:613:CLA:HED3	25:m:613:CLA:H2A	2.01	0.43
22:n:57:VAL:HA	22:n:60:VAL:HG12	2.01	0.43
24:p:56:VAL:HG13	24:p:60:LEU:HD13	2.01	0.43
2:B:558:PRO:HB3	2:B:702:ILE:HB	2.00	0.43
11:c:54:ILE:HG21	11:c:144:VAL:HG13	2.01	0.43
25:e:604:CLA:HBD	25:e:604:CLA:HAA1	2.00	0.43
25:h:609:CLA:HHC	25:h:609:CLA:HBB1	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:h:610:CLA:H92	25:h:610:CLA:H61	1.76	0.43
1:A:585:GLN:HA	1:A:590:ASP:OD2	2.19	0.42
25:A:761:CLA:H202	25:A:761:CLA:H162	1.82	0.42
4:D:28:ILE:HG13	4:D:31:MET:H	1.83	0.42
9:a:44:VAL:HG22	9:a:132:ILE:HD11	2.01	0.42
11:c:158:ASP:HB3	11:c:161:ALA:HB3	2.01	0.42
27:h:190:LHG:H112	25:h:601:CLA:HMD2	2.00	0.42
25:h:610:CLA:H12	25:h:610:CLA:CMB	2.47	0.42
21:g:166:LEU:HG	30:g:190:SQD:H81	2.01	0.42
2:B:276:HIS:HB2	25:B:773:CLA:C1B	2.49	0.42
25:B:749:CLA:H3A	25:B:749:CLA:HBA2	1.50	0.42
9:a:86:PHE:HZ	34:b:182:DGD:HG11	1.85	0.42
12:d:131:TRP:CZ3	35:d:608:CHL:HAB	2.53	0.42
17:k:102:TRP:HB2	18:l:40:ARG:HG3	2.01	0.42
18:l:81:LYS:HE2	18:l:81:LYS:HB3	1.83	0.42
22:n:134:PRO:HB3	25:n:608:CLA:HBC2	2.01	0.42
25:A:763:CLA:H192	25:A:763:CLA:H161	1.76	0.42
28:A:785:PQN:H303	28:A:785:PQN:H261	1.79	0.42
2:B:374:HIS:HE2	25:B:752:CLA:C1B	2.33	0.42
23:o:21:ASP:HA	25:o:602:CLA:O1D	2.19	0.42
24:p:43:HIS:HE1	25:p:603:CLA:NA	2.16	0.42
24:p:142:GLN:HE22	25:p:613:CLA:C4C	2.32	0.42
25:A:772:CLA:H93	25:A:772:CLA:H62	1.75	0.42
25:A:783:CLA:H12	25:B:779:CLA:H42	2.00	0.42
2:B:467:HIS:CD2	25:B:757:CLA:ND	2.87	0.42
29:B:762:BCR:HC8	25:B:775:CLA:CMD	2.50	0.42
25:B:778:CLA:HBA2	25:B:778:CLA:H3A	1.78	0.42
5:E:2:GLY:HA2	5:E:3:PRO:HD3	1.90	0.42
17:k:112:TYR:HB3	25:k:610:CLA:HED2	2.00	0.42
25:m:602:CLA:H61	25:m:602:CLA:H92	1.80	0.42
25:g:602:CLA:H62	25:g:603:CLA:HMB1	2.02	0.42
22:n:9:PRO:HG2	22:n:12:LEU:HB3	2.01	0.42
29:B:766:BCR:C17	25:B:781:CLA:H112	2.49	0.42
25:b:612:CLA:H42	25:c:611:CLA:NC	2.35	0.42
15:i:39:MET:HB3	25:i:602:CLA:H3A	2.01	0.42
25:g:601:CLA:HAA1	25:g:601:CLA:HBD	2.01	0.42
23:o:124:THR:HG23	25:o:610:CLA:H3A	2.01	0.42
24:p:48:MET:HE2	24:p:48:MET:HB3	1.93	0.42
25:p:602:CLA:HBB2	25:p:603:CLA:CHD	2.50	0.42
1:A:95:GLY:HA2	1:A:99:SER:OG	2.18	0.42
1:A:126:ILE:HG21	2:B:446:PHE:HA	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
29:A:792:BCR:H20C	29:A:792:BCR:H361	1.92	0.42
2:B:494:LEU:HD23	2:B:494:LEU:HA	1.81	0.42
10:b:131:THR:HG22	25:b:610:CLA:HBB	2.02	0.42
19:m:37:VAL:O	19:m:41:MET:HG2	2.19	0.42
25:g:609:CLA:H42	24:p:87:PRO:HG3	2.00	0.42
2:B:374:HIS:HB2	25:B:778:CLA:C1B	2.50	0.42
2:B:388:ALA:O	2:B:392:ILE:HG13	2.19	0.42
25:B:774:CLA:HAA1	25:B:777:CLA:OBD	2.20	0.42
14:h:14:LEU:HD11	14:h:25:ASP:HB2	2.02	0.42
25:k:610:CLA:HBA2	25:k:610:CLA:H3A	1.46	0.42
25:k:613:CLA:H62	25:k:613:CLA:H41	1.76	0.42
25:A:782:CLA:H2A	25:A:782:CLA:HED3	2.02	0.42
2:B:624:LEU:HD22	25:B:736:CLA:HMD3	2.02	0.42
2:B:716:GLY:O	2:B:720:THR:HG22	2.20	0.42
2:B:720:THR:HG23	25:B:736:CLA:O1D	2.20	0.42
25:a:610:CLA:HBA2	25:a:610:CLA:H3A	1.85	0.42
25:b:610:CLA:HBB2	25:b:612:CLA:CHB	2.50	0.42
35:d:605:CHL:HHC	35:d:605:CHL:HBB1	2.01	0.42
13:e:154:LYS:HD3	25:e:612:CLA:HAA2	2.01	0.42
25:l:609:CLA:H92	25:l:609:CLA:H61	1.78	0.42
20:f:59:VAL:N	20:f:60:PRO:HD2	2.34	0.42
15:i:154:LEU:HD13	25:i:614:CLA:HBC2	2.01	0.42
19:m:126:THR:CG2	25:m:610:CLA:H3A	2.49	0.42
20:f:37:GLU:HG3	20:f:40:ARG:NH2	2.35	0.42
25:g:609:CLA:HMB1	24:p:90:TYR:HB2	2.02	0.42
1:A:128:ASN:HB3	1:A:136:GLN:HB3	2.02	0.42
1:A:260:GLY:HA3	9:a:151:THR:HG23	2.01	0.42
1:A:301:LEU:CD1	25:A:769:CLA:HBB1	2.50	0.42
4:D:117:ALA:HB3	4:D:118:PRO:HD3	2.01	0.42
25:c:606:CLA:HMC3	35:c:607:CHL:C1C	2.50	0.42
14:h:125:THR:CG2	25:h:610:CLA:H3A	2.50	0.42
20:f:19:PHE:HE1	20:f:119:ASP:HB2	1.84	0.42
1:A:220:VAL:C	1:A:223:PRO:HD2	2.44	0.41
1:A:577:GLY:HA2	2:B:562:PRO:HD3	2.01	0.41
27:A:756:LHG:HC31	25:A:808:CLA:C1C	2.50	0.41
2:B:339:ALA:HB1	29:B:766:BCR:H20C	2.02	0.41
2:B:546:LEU:HD21	2:B:567:THR:HG22	2.01	0.41
25:B:739:CLA:H61	25:B:739:CLA:H41	1.49	0.41
10:b:102:ARG:HH22	25:b:609:CLA:CHA	2.33	0.41
27:c:243:LHG:H112	27:c:243:LHG:HC82	1.79	0.41
25:c:610:CLA:H43	25:c:612:CLA:HBA1	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:l:62:PRO:HG3	25:l:604:CLA:C1D	2.50	0.41
19:m:6:TRP:O	19:m:7:PHE:HB3	2.20	0.41
19:m:155:PRO:C	19:m:157:ALA:H	2.28	0.41
1:A:441:LEU:HD21	1:A:547:VAL:HG12	2.02	0.41
25:A:773:CLA:HBB1	25:A:782:CLA:HBB	2.01	0.41
2:B:197:VAL:C	2:B:200:PRO:HD2	2.45	0.41
15:i:166:ILE:O	15:i:167:ALA:HB3	2.21	0.41
25:i:613:CLA:HBC1	25:i:615:CLA:H43	2.02	0.41
16:j:182:PRO:HA	16:j:183:PRO:HD3	1.91	0.41
25:f:602:CLA:H3A	25:f:602:CLA:HBA2	1.70	0.41
25:p:602:CLA:HBB2	25:p:603:CLA:C1D	2.50	0.41
25:A:753:CLA:CGA	25:A:753:CLA:H3A	2.50	0.41
11:c:168:LYS:HE2	25:c:612:CLA:HBD	2.02	0.41
25:c:611:CLA:HBD	25:c:612:CLA:OBD	2.20	0.41
14:h:110:ARG:O	14:h:111:SER:HB3	2.20	0.41
16:j:14:PRO:HG2	16:j:28:ASP:HB3	2.02	0.41
25:l:609:CLA:HHC	25:l:609:CLA:HBB1	2.02	0.41
25:g:608:CLA:H3A	25:g:608:CLA:HBA2	1.58	0.41
29:B:767:BCR:H382	29:B:767:BCR:H23C	2.02	0.41
11:c:117:LEU:HD11	12:d:212:TRP:CE2	2.55	0.41
16:j:132:GLU:HB2	25:j:610:CLA:CHB	2.50	0.41
19:m:81:LYS:HE2	19:m:81:LYS:HB3	1.84	0.41
1:A:224:ILE:HG23	1:A:237:LEU:HD13	2.03	0.41
25:A:752:CLA:HAA2	25:A:752:CLA:O1D	2.21	0.41
25:A:800:CLA:HHC	25:A:800:CLA:HBB1	2.02	0.41
4:D:69:VAL:HG22	4:D:98:PHE:CD1	2.55	0.41
9:a:43:GLU:HB2	25:a:602:CLA:CHB	2.51	0.41
13:e:135:TYR:CE2	13:e:152:LYS:HE3	2.56	0.41
14:h:66:LYS:HD3	14:h:66:LYS:HA	1.85	0.41
23:o:121:THR:H	23:o:124:THR:CG2	2.29	0.41
25:A:771:CLA:CMB	25:A:808:CLA:HBB1	2.50	0.41
25:A:805:CLA:HBA1	4:D:28:ILE:HB	2.03	0.41
2:B:429:LEU:HB3	2:B:525:LEU:HB2	2.03	0.41
25:B:775:CLA:HBA1	25:B:776:CLA:H2	2.02	0.41
4:D:46:THR:O	4:D:50:THR:HG23	2.20	0.41
12:d:171:GLU:HB2	25:d:610:CLA:CHB	2.51	0.41
25:e:611:CLA:HBD	25:e:612:CLA:OBD	2.20	0.41
25:i:608:CLA:HBD	25:i:608:CLA:HAA2	2.01	0.41
25:p:609:CLA:H3A	25:p:609:CLA:HBA1	1.89	0.41
1:A:299:LEU:HD11	25:A:767:CLA:HAB	2.03	0.41
27:A:786:LHG:H272	27:A:786:LHG:H242	1.89	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C:61:ASP:HB2	5:E:53:ASN:CG	2.45	0.41
25:a:610:CLA:H62	25:a:610:CLA:H41	1.75	0.41
10:b:44:SER:CB	10:b:139:GLY:HA3	2.48	0.41
10:b:44:SER:O	10:b:48:MET:HG3	2.20	0.41
10:b:102:ARG:HG2	25:b:608:CLA:CHD	2.50	0.41
27:b:181:LHG:H281	25:b:604:CLA:CAD	2.51	0.41
25:d:610:CLA:HBA2	25:d:610:CLA:H3A	1.83	0.41
13:e:167:PHE:CE2	25:e:602:CLA:H161	2.56	0.41
25:j:613:CLA:H92	25:j:613:CLA:H61	1.72	0.41
25:g:608:CLA:CAD	25:g:610:CLA:HMD3	2.50	0.41
22:n:52:LEU:HG	22:n:164:MET:HG2	2.03	0.41
1:A:462:LEU:HD13	1:A:470:ASP:HB2	2.02	0.41
1:A:590:ASP:HA	1:A:593:PHE:HB3	2.02	0.41
29:A:787:BCR:H292	25:a:602:CLA:H111	2.02	0.41
2:B:517:PHE:HE2	25:B:758:CLA:C1D	2.34	0.41
2:B:529:THR:HG21	2:B:582:TRP:CE2	2.55	0.41
2:B:687:ILE:HD11	16:j:123:LEU:HD11	2.03	0.41
25:B:745:CLA:H3A	25:B:745:CLA:HBA1	1.64	0.41
4:D:74:VAL:HG12	4:D:95:ASN:HD21	1.86	0.41
9:a:80:LEU:HD13	25:a:604:CLA:HBA1	2.03	0.41
10:b:40:GLU:HB2	25:b:602:CLA:CHB	2.51	0.41
25:d:604:CLA:HBA1	35:d:606:CHL:C1D	2.51	0.41
25:h:610:CLA:H3A	25:h:610:CLA:HBA2	1.72	0.41
15:i:94:VAL:O	15:i:98:LEU:HG	2.20	0.41
25:k:609:CLA:HHC	25:k:609:CLA:HBB1	2.03	0.41
19:m:24:ARG:HA	19:m:24:ARG:HD3	1.91	0.41
25:m:602:CLA:H11	31:m:621:DD6:O1	2.20	0.41
22:n:138:PHE:CE2	25:n:608:CLA:NC	2.89	0.41
1:A:208:LEU:HD23	1:A:208:LEU:HA	1.88	0.41
1:A:219:HIS:HE1	25:A:757:CLA:C4D	2.34	0.41
1:A:396:TRP:CD1	25:A:775:CLA:HAB	2.56	0.41
1:A:407:ALA:HB2	1:A:592:VAL:HG11	2.03	0.41
1:A:423:PHE:HB2	4:D:79:ILE:HD13	2.03	0.41
1:A:596:LEU:HD21	25:A:777:CLA:HBC1	2.03	0.41
1:A:672:PHE:HZ	25:A:752:CLA:CHD	2.34	0.41
25:A:761:CLA:H162	25:A:761:CLA:H122	1.76	0.41
25:A:781:CLA:HBA1	25:A:781:CLA:HBD	2.03	0.41
25:A:793:CLA:HBD	25:A:793:CLA:HAA2	2.02	0.41
25:A:801:CLA:HBA2	25:A:801:CLA:H3A	1.60	0.41
2:B:650:PHE:HZ	25:B:736:CLA:C1D	2.33	0.41
3:C:25:VAL:HG21	3:C:48:CYS:HA	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F:3:ALA:HB2	6:F:9:PRO:HD3	2.03	0.41
8:M:14:ALA:O	8:M:18:PRO:HD2	2.21	0.41
9:a:122:MET:HE3	25:a:610:CLA:O2A	2.20	0.41
25:a:619:CLA:H12	25:a:619:CLA:HBA1	1.73	0.41
27:j:198:LHG:H252	25:j:611:CLA:HBC3	2.03	0.41
20:f:77:ILE:HG13	25:f:604:CLA:HMA2	2.03	0.41
21:g:100:PHE:H	21:g:106:GLU:CD	2.28	0.41
25:g:602:CLA:H61	25:g:602:CLA:H41	1.62	0.41
22:n:24:PRO:O	31:n:621:DD6:O2	2.38	0.41
25:n:602:CLA:HBA2	25:n:602:CLA:H3A	1.84	0.41
25:n:603:CLA:H62	25:n:603:CLA:H41	1.81	0.41
1:A:216:HIS:HB2	25:A:799:CLA:CHC	2.51	0.41
1:A:685:PHE:HA	28:A:785:PQN:H9	2.03	0.41
27:b:181:LHG:HC41	25:b:604:CLA:HBB1	2.03	0.41
25:c:603:CLA:H11	25:c:603:CLA:H2A	2.03	0.41
21:g:51:MET:O	21:g:55:VAL:HG22	2.20	0.41
1:A:43:PRO:HG3	6:F:125:ILE:HG21	2.03	0.40
25:A:753:CLA:HBB1	25:A:791:CLA:C1B	2.49	0.40
2:B:34:HIS:HE1	25:B:771:CLA:HED1	1.85	0.40
25:a:602:CLA:CHB	25:a:602:CLA:H2	2.51	0.40
18:l:12:PRO:HB3	18:l:25:GLY:HA3	2.03	0.40
18:l:16:LEU:HD11	18:l:27:ASP:HB2	2.02	0.40
1:A:239:LEU:HD23	1:A:239:LEU:HA	1.91	0.40
1:A:297:HIS:HE2	25:A:769:CLA:C1B	2.33	0.40
25:A:752:CLA:H161	25:A:758:CLA:HMA1	2.03	0.40
25:A:766:CLA:H41	25:A:766:CLA:H62	1.53	0.40
28:A:785:PQN:H141	25:A:794:CLA:HBB2	2.02	0.40
2:B:717:TYR:CZ	25:B:736:CLA:HED1	2.56	0.40
5:E:46:ASN:C	5:E:48:GLU:H	2.29	0.40
10:b:58:GLU:OE2	10:b:159:SER:HB3	2.21	0.40
19:m:53:MET:HE2	19:m:134:GLY:N	2.37	0.40
20:f:46:HIS:HB3	20:f:133:LEU:HD21	2.03	0.40
20:f:55:VAL:HA	20:f:58:VAL:HG22	2.02	0.40
1:A:514:VAL:HG13	1:A:524:MET:HB3	2.03	0.40
25:A:770:CLA:HBB1	25:A:774:CLA:C7	2.51	0.40
2:B:193:HIS:HB2	25:B:746:CLA:C1C	2.51	0.40
2:B:576:PHE:CE1	25:B:753:CLA:HAC2	2.56	0.40
25:B:755:CLA:HMC1	25:B:783:CLA:HAC1	2.04	0.40
9:a:117:PHE:HB2	25:a:608:CLA:H43	2.03	0.40
25:b:601:CLA:HED3	25:b:601:CLA:H2A	2.02	0.40
25:e:613:CLA:HBD	25:e:613:CLA:HAA1	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:h:170:LEU:HD13	25:h:613:CLA:HMD3	2.04	0.40
15:i:145:VAL:HG22	15:i:174:TRP:CE3	2.56	0.40
25:j:613:CLA:C1C	25:j:613:CLA:H51	2.51	0.40
17:k:152:LYS:HD2	17:k:156:THR:HG21	2.03	0.40
25:A:784:CLA:H93	25:A:784:CLA:H62	1.86	0.40
2:B:316:GLY:HA3	2:B:410:ARG:HD2	2.03	0.40
2:B:492:ILE:H	2:B:492:ILE:HG12	1.66	0.40
2:B:700:LEU:HD22	2:B:704:GLN:NE2	2.37	0.40
25:B:750:CLA:HBD	25:B:750:CLA:HAA2	2.04	0.40
25:B:760:CLA:HHC	25:B:760:CLA:HBB1	2.04	0.40
10:b:82:ILE:HB	10:b:86:GLU:HB2	2.02	0.40
27:d:237:LHG:H131	27:d:237:LHG:H102	1.68	0.40
25:e:610:CLA:HBA2	25:e:610:CLA:H3A	1.77	0.40
25:h:613:CLA:H41	25:h:613:CLA:H62	1.55	0.40
15:i:166:ILE:C	15:i:168:GLU:H	2.29	0.40
29:A:788:BCR:H24C	29:A:788:BCR:H371	1.87	0.40
25:A:791:CLA:HAB	2:B:582:TRP:HH2	1.86	0.40
2:B:48:ALA:HB2	2:B:157:LEU:HG	2.02	0.40
2:B:504:LYS:HB2	2:B:504:LYS:HE2	1.82	0.40
25:B:744:CLA:H3A	25:B:744:CLA:HBA2	1.87	0.40
29:B:765:BCR:H24C	29:B:765:BCR:H371	1.84	0.40
6:F:95:GLY:O	6:F:99:VAL:HG23	2.21	0.40
16:j:176:ASN:HD21	25:j:613:CLA:HED2	1.87	0.40
23:o:111:TYR:HB3	25:o:610:CLA:HED2	2.04	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	739/751 (98%)	713 (96%)	24 (3%)	2 (0%)	37 39

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	B	729/734 (99%)	705 (97%)	23 (3%)	1 (0%)	48	55
3	C	78/81 (96%)	74 (95%)	4 (5%)	0	100	100
4	D	184/186 (99%)	173 (94%)	10 (5%)	1 (0%)	25	24
5	E	61/63 (97%)	57 (93%)	4 (7%)	0	100	100
6	F	166/168 (99%)	163 (98%)	3 (2%)	0	100	100
7	J	35/37 (95%)	34 (97%)	1 (3%)	0	100	100
8	M	29/31 (94%)	29 (100%)	0	0	100	100
9	a	164/166 (99%)	158 (96%)	6 (4%)	0	100	100
10	b	167/169 (99%)	158 (95%)	9 (5%)	0	100	100
11	c	219/221 (99%)	208 (95%)	11 (5%)	0	100	100
12	d	218/220 (99%)	207 (95%)	10 (5%)	1 (0%)	25	24
13	e	197/199 (99%)	190 (96%)	6 (3%)	1 (0%)	25	24
14	h	172/174 (99%)	166 (96%)	6 (4%)	0	100	100
15	i	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
16	j	181/183 (99%)	179 (99%)	2 (1%)	0	100	100
17	k	170/172 (99%)	162 (95%)	8 (5%)	0	100	100
18	l	165/167 (99%)	162 (98%)	3 (2%)	0	100	100
19	m	166/168 (99%)	155 (93%)	11 (7%)	0	100	100
20	f	172/174 (99%)	151 (88%)	20 (12%)	1 (1%)	22	20
21	g	176/178 (99%)	173 (98%)	3 (2%)	0	100	100
22	n	182/184 (99%)	155 (85%)	25 (14%)	2 (1%)	12	8
23	o	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	22	20
24	p	146/148 (99%)	131 (90%)	14 (10%)	1 (1%)	19	17
All	All	4853/4915 (99%)	4619 (95%)	223 (5%)	11 (0%)	45	49

All (11) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
20	f	77	ILE
1	A	205	LEU
1	A	497	LEU
2	B	107	SER
13	e	95	VAL
22	n	126	LYS

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Mol	Chain	Res	Type
24	p	9	ALA
22	n	69	LEU
4	D	139	PRO
23	o	33	PRO
12	d	109	ILE

5.3.2 Protein sidechains [i](#)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	621/632 (98%)	619 (100%)	2 (0%)	91	94
2	B	607/609 (100%)	607 (100%)	0	100	100
3	C	69/70 (99%)	68 (99%)	1 (1%)	62	71
4	D	140/140 (100%)	139 (99%)	1 (1%)	81	87
5	E	49/49 (100%)	49 (100%)	0	100	100
6	F	127/127 (100%)	127 (100%)	0	100	100
7	J	34/34 (100%)	34 (100%)	0	100	100
8	M	26/26 (100%)	26 (100%)	0	100	100
9	a	125/125 (100%)	125 (100%)	0	100	100
10	b	130/130 (100%)	129 (99%)	1 (1%)	79	85
11	c	172/172 (100%)	172 (100%)	0	100	100
12	d	167/167 (100%)	167 (100%)	0	100	100
13	e	152/152 (100%)	152 (100%)	0	100	100
14	h	142/142 (100%)	140 (99%)	2 (1%)	62	71
15	i	137/137 (100%)	137 (100%)	0	100	100
16	j	145/145 (100%)	145 (100%)	0	100	100
17	k	141/141 (100%)	140 (99%)	1 (1%)	81	87
18	l	122/122 (100%)	122 (100%)	0	100	100
19	m	122/122 (100%)	122 (100%)	0	100	100
20	f	135/135 (100%)	134 (99%)	1 (1%)	81	87

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
21	g	140/140 (100%)	140 (100%)	0	100	100
22	n	140/140 (100%)	140 (100%)	0	100	100
23	o	119/119 (100%)	118 (99%)	1 (1%)	79	85
24	p	114/114 (100%)	111 (97%)	3 (3%)	41	47
All	All	3876/3890 (100%)	3863 (100%)	13 (0%)	90	94

All (13) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	395	TYR
1	A	584	CYS
3	C	65	VAL
4	D	82	ILE
10	b	96	TYR
14	h	5	ILE
14	h	120	LEU
17	k	31	LYS
20	f	127	LYS
23	o	3	VAL
24	p	115	LYS
24	p	127	LYS
24	p	134	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (37) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	61	ASN
1	A	225	ASN
1	A	252	GLN
1	A	714	GLN
2	B	294	ASN
2	B	444	GLN
2	B	452	GLN
2	B	475	ASN
2	B	627	ASN
2	B	630	GLN
4	D	138	HIS
4	D	170	ASN
5	E	21	GLN
9	a	70	GLN

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Mol	Chain	Res	Type
9	a	158	GLN
9	a	159	ASN
10	b	60	GLN
10	b	78	ASN
11	c	51	GLN
12	d	143	GLN
13	e	198	ASN
14	h	37	GLN
14	h	97	ASN
14	h	164	HIS
15	i	63	GLN
15	i	163	ASN
15	i	164	HIS
16	j	49	ASN
16	j	89	GLN
16	j	179	HIS
19	m	165	ASN
20	f	140	GLN
20	f	164	HIS
21	g	152	GLN
22	n	37	ASN
22	n	63	ASN
24	p	70	ASN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

367 ligands 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$
27	LHG	c	243	-	29,29,48	1.76	2 (6%)	32,35,54	1.37	5 (15%)
25	CLA	a	608	-	53,61,73	1.46	7 (13%)	61,98,113	1.83	11 (18%)
25	CLA	f	611	-	42,50,73	1.59	7 (16%)	48,85,113	2.05	6 (12%)
25	CLA	c	601	-	42,50,73	1.56	7 (16%)	48,85,113	1.85	8 (16%)
31	DD6	e	621	-	39,45,45	1.41	5 (12%)	52,67,67	2.14	14 (26%)
25	CLA	B	737	-	55,63,73	1.41	6 (10%)	64,101,113	2.03	11 (17%)
25	CLA	B	773	-	61,69,73	1.39	7 (11%)	71,108,113	1.81	12 (16%)
25	CLA	i	612	-	43,51,73	1.55	7 (16%)	49,86,113	1.96	8 (16%)
25	CLA	l	604	-	43,51,73	1.57	7 (16%)	49,86,113	1.83	7 (14%)
25	CLA	g	614	-	42,50,73	1.58	7 (16%)	48,85,113	1.99	7 (14%)
25	CLA	d	604	-	52,60,73	1.52	7 (13%)	60,97,113	1.82	7 (11%)
25	CLA	o	614	-	43,51,73	1.58	7 (16%)	49,86,113	1.93	9 (18%)
25	CLA	b	601	-	42,50,73	1.59	7 (16%)	48,85,113	1.97	7 (14%)
27	LHG	A	786	-	48,48,48	1.35	2 (4%)	51,54,54	1.18	5 (9%)
25	CLA	B	771	-	53,61,73	1.48	7 (13%)	61,98,113	1.83	11 (18%)
25	CLA	k	614	-	42,50,73	1.57	7 (16%)	48,85,113	1.92	6 (12%)
25	CLA	B	768	-	55,63,73	1.46	7 (12%)	64,101,113	1.83	10 (15%)
27	LHG	A	756	-	37,37,48	1.49	2 (5%)	40,43,54	1.24	5 (12%)
25	CLA	b	602	-	53,61,73	1.47	7 (13%)	61,98,113	1.85	10 (16%)
25	CLA	k	601	-	43,51,73	1.56	7 (16%)	49,86,113	1.88	8 (16%)
25	CLA	B	747	-	49,57,73	1.56	7 (14%)	56,93,113	1.84	11 (19%)
35	CHL	d	605	-	51,59,74	1.66	9 (17%)	55,96,114	2.15	15 (27%)
31	DD6	n	620	-	39,45,45	1.29	4 (10%)	52,67,67	2.54	16 (30%)
31	DD6	d	623	-	39,45,45	1.32	4 (10%)	52,67,67	2.40	19 (36%)
28	PQN	A	785	-	34,34,34	1.02	3 (8%)	42,45,45	1.80	10 (23%)
25	CLA	a	619	-	63,71,73	1.37	7 (11%)	73,110,113	1.78	12 (16%)
25	CLA	c	602	-	59,67,73	1.37	8 (13%)	68,105,113	1.78	12 (17%)
25	CLA	A	777	-	65,73,73	1.35	7 (10%)	76,113,113	1.81	9 (11%)
25	CLA	h	613	-	53,61,73	1.47	6 (11%)	61,98,113	1.85	12 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	h	603	-	43,51,73	1.53	7 (16%)	49,86,113	2.02	8 (16%)
29	BCR	B	766	-	41,41,41	1.67	8 (19%)	56,56,56	1.40	9 (16%)
31	DD6	f	620	-	39,45,45	1.27	4 (10%)	52,67,67	2.31	15 (28%)
25	CLA	e	607	-	43,51,73	1.56	7 (16%)	49,86,113	1.98	7 (14%)
25	CLA	a	601	-	50,58,73	1.53	7 (14%)	58,95,113	1.77	9 (15%)
27	LHG	j	198	-	36,36,48	1.55	2 (5%)	39,42,54	1.28	5 (12%)
25	CLA	c	608	-	50,58,73	1.51	7 (14%)	58,95,113	1.80	9 (15%)
25	CLA	n	607	-	42,50,73	1.59	7 (16%)	48,85,113	1.93	6 (12%)
25	CLA	c	603	-	53,61,73	1.46	7 (13%)	61,98,113	1.85	10 (16%)
29	BCR	A	796	-	41,41,41	0.71	0	56,56,56	1.24	7 (12%)
25	CLA	f	615	-	43,51,73	1.57	7 (16%)	49,86,113	1.96	8 (16%)
25	CLA	B	751	-	50,58,73	1.53	6 (12%)	58,95,113	1.81	9 (15%)
25	CLA	g	613	-	55,63,73	1.45	7 (12%)	64,101,113	1.85	11 (17%)
25	CLA	c	612	-	43,51,73	1.55	7 (16%)	49,86,113	1.94	9 (18%)
25	CLA	A	805	-	55,63,73	1.42	6 (10%)	64,101,113	1.74	10 (15%)
32	SF4	C	82	-	0,12,12	-	-	-	-	-
25	CLA	A	780	-	58,66,73	1.43	7 (12%)	67,104,113	1.74	9 (13%)
25	CLA	B	757	-	60,68,73	1.38	6 (10%)	70,107,113	1.65	12 (17%)
25	CLA	B	770	-	53,61,73	1.47	7 (13%)	61,98,113	1.80	9 (14%)
25	CLA	m	612	-	43,51,73	1.54	7 (16%)	49,86,113	1.95	8 (16%)
25	CLA	f	614	-	42,50,73	1.58	7 (16%)	48,85,113	1.87	9 (18%)
25	CLA	k	603	-	42,50,73	1.55	7 (16%)	48,85,113	2.13	6 (12%)
29	BCR	A	789	-	41,41,41	0.78	1 (2%)	56,56,56	1.06	4 (7%)
25	CLA	g	608	-	45,53,73	1.60	7 (15%)	52,89,113	1.94	7 (13%)
25	CLA	B	736	-	65,73,73	1.32	7 (10%)	76,113,113	1.63	11 (14%)
25	CLA	A	775	-	58,66,73	1.41	7 (12%)	67,104,113	1.78	10 (14%)
31	DD6	l	621	-	39,45,45	1.41	5 (12%)	52,67,67	2.10	18 (34%)
31	DD6	c	624	-	39,45,45	1.54	8 (20%)	52,67,67	1.53	9 (17%)
35	CHL	d	606	-	46,54,74	1.69	9 (19%)	49,90,114	2.22	10 (20%)
25	CLA	B	782	-	50,58,73	1.46	7 (14%)	58,95,113	2.05	11 (18%)
25	CLA	j	601	-	50,58,73	1.51	7 (14%)	58,95,113	1.82	11 (18%)
29	BCR	B	764	-	41,41,41	0.77	2 (4%)	56,56,56	1.01	3 (5%)
30	SQD	c	245	-	38,39,54	1.73	8 (21%)	47,50,65	1.54	7 (14%)
31	DD6	i	625	-	39,45,45	1.32	4 (10%)	52,67,67	2.17	16 (30%)
25	CLA	A	766	-	58,66,73	1.37	7 (12%)	67,104,113	1.94	11 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	h	610	-	54,62,73	1.40	5 (9%)	62,99,113	1.92	8 (12%)
31	DD6	e	620	-	39,45,45	1.52	8 (20%)	52,67,67	1.49	9 (17%)
25	CLA	e	614	-	42,50,73	1.54	7 (16%)	48,85,113	1.93	6 (12%)
31	DD6	A	4008	-	39,45,45	1.35	4 (10%)	52,67,67	2.35	20 (38%)
25	CLA	l	610	-	54,62,73	1.46	6 (11%)	62,99,113	1.79	9 (14%)
25	CLA	A	764	-	58,66,73	1.42	7 (12%)	67,104,113	1.77	10 (14%)
25	CLA	A	801	-	65,73,73	1.32	7 (10%)	76,113,113	1.75	12 (15%)
25	CLA	B	753	-	65,73,73	1.34	7 (10%)	76,113,113	1.57	8 (10%)
25	CLA	B	739	-	65,73,73	1.30	7 (10%)	76,113,113	1.75	13 (17%)
25	CLA	b	608	-	41,49,73	1.59	7 (17%)	47,84,113	2.00	9 (19%)
25	CLA	A	774	-	64,72,73	1.31	7 (10%)	74,111,113	1.88	9 (12%)
25	CLA	j	612	-	55,63,73	1.42	7 (12%)	64,101,113	1.85	10 (15%)
31	DD6	h	621	-	39,45,45	1.38	4 (10%)	52,67,67	2.10	14 (26%)
25	CLA	d	609	-	49,57,73	1.51	7 (14%)	55,93,113	1.96	8 (14%)
25	CLA	m	613	-	42,50,73	1.57	7 (16%)	48,85,113	1.92	7 (14%)
25	CLA	h	614	-	43,51,73	1.55	7 (16%)	49,86,113	1.82	6 (12%)
25	CLA	a	602	-	60,68,73	1.37	6 (10%)	70,107,113	1.66	15 (21%)
25	CLA	p	604	-	43,51,73	1.58	7 (16%)	49,86,113	1.98	8 (16%)
25	CLA	j	615	-	43,51,73	1.53	7 (16%)	49,86,113	1.98	6 (12%)
25	CLA	d	611	-	45,53,73	1.57	7 (15%)	52,89,113	1.91	9 (17%)
25	CLA	i	615	-	50,58,73	1.51	7 (14%)	58,95,113	1.89	9 (15%)
25	CLA	A	779	-	43,51,73	1.55	7 (16%)	49,86,113	1.98	9 (18%)
31	DD6	g	620	-	39,45,45	1.31	4 (10%)	52,67,67	2.28	16 (30%)
25	CLA	j	603	-	42,50,73	1.57	7 (16%)	48,85,113	1.97	7 (14%)
25	CLA	i	604	-	43,51,73	1.54	7 (16%)	49,86,113	1.88	5 (10%)
25	CLA	j	602	-	55,63,73	1.39	6 (10%)	64,101,113	1.84	11 (17%)
31	DD6	o	620	-	39,45,45	1.30	4 (10%)	52,67,67	2.13	15 (28%)
31	DD6	n	623	-	39,45,45	1.63	7 (17%)	52,67,67	1.72	10 (19%)
25	CLA	B	785	-	45,53,73	1.56	7 (15%)	52,89,113	1.87	8 (15%)
25	CLA	j	609	-	50,58,73	1.52	7 (14%)	58,95,113	1.92	9 (15%)
25	CLA	B	752	-	65,73,73	1.34	7 (10%)	76,113,113	1.68	11 (14%)
25	CLA	m	602	-	60,68,73	1.39	6 (10%)	70,107,113	1.58	10 (14%)
25	CLA	B	750	-	60,68,73	1.35	6 (10%)	70,107,113	1.82	14 (20%)
25	CLA	m	609	-	50,58,73	1.52	7 (14%)	58,95,113	1.90	9 (15%)
25	CLA	h	611	-	43,51,73	1.54	7 (16%)	49,86,113	1.92	8 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	g	610	-	55,63,73	1.43	7 (12%)	64,101,113	1.77	9 (14%)
25	CLA	A	773	-	53,61,73	1.47	7 (13%)	61,98,113	1.85	10 (16%)
25	CLA	e	613	-	55,63,73	1.46	7 (12%)	64,101,113	1.78	8 (12%)
29	BCR	A	788	-	41,41,41	1.65	10 (24%)	56,56,56	1.50	12 (21%)
30	SQD	g	190	-	31,32,54	1.85	7 (22%)	40,43,65	1.58	6 (15%)
25	CLA	o	609	-	45,53,73	1.56	7 (15%)	52,89,113	1.96	9 (17%)
25	CLA	m	603	-	54,62,73	1.46	7 (12%)	62,99,113	1.80	11 (17%)
25	CLA	A	762	-	50,58,73	1.53	7 (14%)	58,95,113	1.92	12 (20%)
25	CLA	d	603	-	42,50,73	1.54	7 (16%)	48,85,113	2.04	7 (14%)
25	CLA	l	602	-	59,67,73	1.40	7 (11%)	68,105,113	1.75	11 (16%)
25	CLA	j	614	-	42,50,73	1.56	7 (16%)	48,85,113	1.98	9 (18%)
25	CLA	B	749	-	49,57,73	1.50	7 (14%)	55,93,113	1.81	10 (18%)
25	CLA	d	612	-	42,50,73	1.56	7 (16%)	48,85,113	2.02	6 (12%)
25	CLA	A	802	-	43,51,73	1.55	6 (13%)	49,86,113	1.79	5 (10%)
25	CLA	B	783	-	50,58,73	1.51	7 (14%)	58,95,113	1.89	8 (13%)
31	DD6	c	620	-	39,45,45	1.46	5 (12%)	52,67,67	2.14	18 (34%)
25	CLA	B	784	-	65,73,73	1.30	7 (10%)	76,113,113	1.75	11 (14%)
25	CLA	k	609	-	50,58,73	1.51	7 (14%)	58,95,113	1.86	8 (13%)
33	LMG	a	182	-	43,43,55	0.89	1 (2%)	51,51,63	1.18	2 (3%)
25	CLA	A	757	-	45,53,73	1.52	7 (15%)	52,89,113	1.99	9 (17%)
25	CLA	A	793	-	42,50,73	1.57	7 (16%)	48,85,113	2.02	6 (12%)
33	LMG	i	195	-	44,44,55	0.86	1 (2%)	52,52,63	1.08	2 (3%)
31	DD6	k	620	-	39,45,45	1.37	4 (10%)	52,67,67	2.12	14 (26%)
25	CLA	p	613	-	43,51,73	1.60	7 (16%)	49,86,113	2.00	10 (20%)
25	CLA	d	602	-	57,65,73	1.40	6 (10%)	66,103,113	1.83	11 (16%)
25	CLA	B	772	-	50,58,73	1.51	7 (14%)	58,95,113	1.91	8 (13%)
29	BCR	A	790	-	41,41,41	0.74	0	56,56,56	1.03	4 (7%)
25	CLA	c	611	-	43,51,73	1.55	7 (16%)	49,86,113	1.89	8 (16%)
25	CLA	A	778	-	43,51,73	1.56	7 (16%)	49,86,113	1.96	9 (18%)
29	BCR	M	201	-	41,41,41	0.78	0	56,56,56	1.16	5 (8%)
25	CLA	c	616	-	47,55,73	1.51	7 (14%)	54,91,113	1.84	9 (16%)
32	SF4	B	735	-	0,12,12	-	-	-	-	-
25	CLA	h	604	-	60,68,73	1.40	7 (11%)	70,107,113	1.79	9 (12%)
25	CLA	B	744	-	43,51,73	1.55	7 (16%)	49,86,113	1.90	7 (14%)
25	CLA	A	798	-	52,60,73	1.47	7 (13%)	60,97,113	1.99	10 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
28	PQN	B	769	-	28,28,34	1.04	2 (7%)	34,37,45	2.00	10 (29%)
31	DD6	j	621	-	39,45,45	1.42	5 (12%)	52,67,67	2.15	15 (28%)
25	CLA	k	611	-	42,50,73	1.58	7 (16%)	48,85,113	1.93	7 (14%)
25	CLA	n	610	-	41,49,73	1.63	7 (17%)	47,84,113	1.89	10 (21%)
25	CLA	j	618	-	50,58,73	1.52	7 (14%)	58,95,113	1.91	9 (15%)
25	CLA	A	781	-	52,60,73	1.49	6 (11%)	60,97,113	1.79	13 (21%)
25	CLA	g	618	-	45,53,73	1.56	7 (15%)	52,89,113	1.89	8 (15%)
25	CLA	a	610	-	54,62,73	1.44	6 (11%)	62,99,113	1.92	10 (16%)
33	LMG	k	179	-	36,36,55	0.96	1 (2%)	44,44,63	1.12	3 (6%)
25	CLA	a	609	-	50,58,73	1.53	7 (14%)	58,95,113	1.91	9 (15%)
25	CLA	g	603	-	42,50,73	1.59	7 (16%)	48,85,113	1.86	5 (10%)
25	CLA	B	775	-	50,58,73	1.51	7 (14%)	58,95,113	1.72	11 (18%)
25	CLA	f	613	-	59,67,73	1.40	7 (11%)	68,105,113	1.77	11 (16%)
25	CLA	o	603	-	43,51,73	1.58	7 (16%)	49,86,113	1.92	6 (12%)
25	CLA	g	612	-	42,50,73	1.58	7 (16%)	48,85,113	2.00	5 (10%)
25	CLA	A	782	-	48,56,73	1.53	7 (14%)	55,92,113	1.89	8 (14%)
31	DD6	g	621	-	39,45,45	1.37	5 (12%)	52,67,67	2.21	14 (26%)
25	CLA	a	612	-	43,51,73	1.56	7 (16%)	49,86,113	1.98	6 (12%)
25	CLA	l	608	-	43,51,73	1.54	7 (16%)	49,86,113	1.92	6 (12%)
25	CLA	A	763	-	65,73,73	1.32	6 (9%)	76,113,113	1.69	9 (11%)
31	DD6	o	621	-	39,45,45	1.34	4 (10%)	52,67,67	2.13	16 (30%)
31	DD6	A	4002	-	39,45,45	1.36	4 (10%)	52,67,67	2.35	17 (32%)
26	LMT	A	754	-	36,36,36	0.55	0	47,47,47	0.66	0
25	CLA	g	615	-	42,50,73	1.58	7 (16%)	48,85,113	1.98	6 (12%)
25	CLA	e	608	-	48,56,73	1.51	7 (14%)	55,92,113	1.82	8 (14%)
30	SQD	j	200	-	35,36,54	1.75	7 (20%)	44,47,65	1.75	10 (22%)
31	DD6	n	621	-	39,45,45	1.52	8 (20%)	52,67,67	1.48	9 (17%)
25	CLA	A	797	-	49,57,73	1.50	6 (12%)	55,93,113	1.91	8 (14%)
25	CLA	A	808	-	53,61,73	1.44	7 (13%)	61,98,113	1.99	12 (19%)
25	CLA	b	612	-	52,60,73	1.49	7 (13%)	60,97,113	1.91	10 (16%)
27	LHG	d	237	-	28,28,48	1.76	2 (7%)	31,34,54	1.33	5 (16%)
25	CLA	A	776	-	65,73,73	1.35	7 (10%)	76,113,113	1.67	11 (14%)
25	CLA	j	611	-	50,58,73	1.51	7 (14%)	58,95,113	1.90	9 (15%)
27	LHG	a	181	-	25,25,48	1.86	2 (8%)	28,31,54	1.42	5 (17%)
27	LHG	i	194	-	35,35,48	1.55	2 (5%)	38,41,54	1.29	5 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	DD6	k	621	-	39,45,45	1.36	4 (10%)	52,67,67	2.10	16 (30%)
25	CLA	f	609	-	42,50,73	1.60	7 (16%)	48,85,113	1.92	8 (16%)
25	CLA	k	618	-	50,58,73	1.50	7 (14%)	58,95,113	1.87	9 (15%)
25	CLA	m	610	-	42,50,73	1.56	7 (16%)	48,85,113	1.86	7 (14%)
25	CLA	p	602	-	43,51,73	1.59	8 (18%)	49,86,113	2.06	8 (16%)
25	CLA	e	610	-	55,63,73	1.42	7 (12%)	64,101,113	1.79	11 (17%)
25	CLA	k	612	-	43,51,73	1.55	7 (16%)	49,86,113	1.94	8 (16%)
25	CLA	B	755	-	60,68,73	1.38	7 (11%)	70,107,113	1.80	12 (17%)
35	CHL	e	606	-	46,54,74	1.69	10 (21%)	49,90,114	2.24	10 (20%)
31	DD6	d	621	-	39,45,45	1.47	5 (12%)	52,67,67	2.19	16 (30%)
25	CLA	a	611	-	45,53,73	1.57	7 (15%)	52,89,113	1.93	9 (17%)
25	CLA	n	608	-	41,49,73	1.61	8 (19%)	47,84,113	1.99	11 (23%)
25	CLA	B	780	-	53,61,73	1.48	7 (13%)	61,98,113	1.92	9 (14%)
25	CLA	i	602	-	64,72,73	1.36	7 (10%)	74,111,113	1.72	11 (14%)
25	CLA	B	779	-	65,73,73	1.36	7 (10%)	76,113,113	1.79	15 (19%)
25	CLA	p	608	-	42,50,73	1.56	7 (16%)	48,85,113	1.97	8 (16%)
25	CLA	l	612	-	43,51,73	1.55	7 (16%)	49,86,113	1.95	8 (16%)
27	LHG	h	189	-	29,29,48	1.74	2 (6%)	32,35,54	1.10	2 (6%)
25	CLA	h	609	-	50,58,73	1.51	7 (14%)	58,95,113	1.87	9 (15%)
25	CLA	e	604	-	50,58,73	1.54	7 (14%)	58,95,113	1.84	10 (17%)
31	DD6	p	621	-	39,45,45	1.29	4 (10%)	52,67,67	2.28	17 (32%)
25	CLA	e	605	-	42,50,73	1.58	7 (16%)	48,85,113	2.01	7 (14%)
25	CLA	c	619	-	41,49,73	1.62	8 (19%)	47,84,113	2.14	9 (19%)
25	CLA	B	748	-	59,67,73	1.41	7 (11%)	68,105,113	1.81	11 (16%)
27	LHG	b	181	-	30,30,48	1.77	2 (6%)	33,36,54	1.35	5 (15%)
25	CLA	A	758	-	65,73,73	1.31	7 (10%)	76,113,113	1.73	10 (13%)
25	CLA	d	610	-	59,67,73	1.38	7 (11%)	68,105,113	1.86	10 (14%)
25	CLA	p	601	-	42,50,73	1.57	7 (16%)	48,85,113	1.79	8 (16%)
25	CLA	g	609	-	50,58,73	1.53	7 (14%)	58,95,113	1.86	8 (13%)
25	CLA	l	614	-	42,50,73	1.61	7 (16%)	48,85,113	2.01	7 (14%)
25	CLA	A	804	-	50,58,73	1.50	7 (14%)	58,95,113	1.86	11 (18%)
25	CLA	A	800	-	48,56,73	1.52	7 (14%)	55,92,113	1.85	9 (16%)
25	CLA	n	609	-	45,53,73	1.57	7 (15%)	52,89,113	1.99	7 (13%)
31	DD6	e	623	-	39,45,45	1.58	8 (20%)	52,67,67	1.69	9 (17%)
31	DD6	a	620	-	39,45,45	1.38	4 (10%)	52,67,67	2.22	15 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	A	765	-	59,67,73	1.40	7 (11%)	68,105,113	1.84	12 (17%)
25	CLA	B	778	-	63,71,73	1.33	7 (11%)	73,110,113	1.68	11 (15%)
31	DD6	d	620	-	39,45,45	1.38	4 (10%)	52,67,67	2.14	15 (28%)
25	CLA	f	608	-	42,50,73	1.57	7 (16%)	48,85,113	2.03	6 (12%)
25	CLA	n	613	-	42,50,73	1.57	7 (16%)	48,85,113	1.84	6 (12%)
29	BCR	A	787	-	41,41,41	0.83	1 (2%)	56,56,56	1.10	4 (7%)
25	CLA	h	601	-	50,58,73	1.53	7 (14%)	58,95,113	1.89	11 (18%)
25	CLA	A	799	-	60,68,73	1.40	7 (11%)	70,107,113	1.83	13 (18%)
25	CLA	f	601	-	42,50,73	1.58	7 (16%)	48,85,113	1.89	7 (14%)
25	CLA	c	614	-	42,50,73	1.57	7 (16%)	48,85,113	1.89	8 (16%)
25	CLA	B	756	-	60,68,73	1.36	7 (11%)	70,107,113	1.81	12 (17%)
25	CLA	J	101	-	50,58,73	1.52	7 (14%)	58,95,113	1.89	10 (17%)
25	CLA	i	609	-	43,51,73	1.54	7 (16%)	49,86,113	1.98	5 (10%)
25	CLA	c	610	-	55,63,73	1.42	7 (12%)	64,101,113	1.87	9 (14%)
25	CLA	n	604	-	48,56,73	1.54	7 (14%)	55,92,113	1.91	9 (16%)
25	CLA	l	601	-	42,50,73	1.58	7 (16%)	48,85,113	1.85	6 (12%)
31	DD6	f	621	-	39,45,45	1.28	4 (10%)	52,67,67	2.47	19 (36%)
32	SF4	C	83	-	0,12,12	-	-	-	-	-
25	CLA	e	603	-	45,53,73	1.57	7 (15%)	52,89,113	1.93	8 (15%)
25	CLA	b	604	-	45,53,73	1.54	7 (15%)	52,89,113	1.97	7 (13%)
25	CLA	A	769	-	65,73,73	1.35	7 (10%)	76,113,113	1.65	13 (17%)
25	CLA	b	609	-	45,53,73	1.56	7 (15%)	52,89,113	1.91	10 (19%)
25	CLA	j	613	-	62,70,73	1.36	6 (9%)	72,109,113	1.75	11 (15%)
25	CLA	e	601	-	41,49,73	1.60	7 (17%)	47,84,113	1.97	9 (19%)
29	BCR	B	762	-	41,41,41	0.78	1 (2%)	56,56,56	1.18	6 (10%)
25	CLA	k	602	-	53,61,73	1.47	7 (13%)	61,98,113	1.82	11 (18%)
31	DD6	i	620	-	39,45,45	1.42	5 (12%)	52,67,67	2.13	14 (26%)
25	CLA	o	604	-	42,50,73	1.59	7 (16%)	48,85,113	1.93	8 (16%)
25	CLA	g	611	-	42,50,73	1.57	7 (16%)	48,85,113	1.99	8 (16%)
25	CLA	A	760	-	65,73,73	1.30	7 (10%)	76,113,113	1.73	10 (13%)
25	CLA	n	606	-	42,50,73	1.57	7 (16%)	48,85,113	1.96	6 (12%)
25	CLA	e	612	-	43,51,73	1.55	7 (16%)	49,86,113	2.00	8 (16%)
25	CLA	A	771	-	57,65,73	1.41	7 (12%)	66,103,113	1.86	11 (16%)
25	CLA	h	602	-	55,63,73	1.46	7 (12%)	64,101,113	1.83	12 (18%)
31	DD6	l	620	-	39,45,45	1.35	4 (10%)	52,67,67	2.14	16 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	k	610	-	57,65,73	1.38	7 (12%)	66,103,113	1.82	10 (15%)
28	PQN	B	761	-	34,34,34	1.13	4 (11%)	42,45,45	1.87	10 (23%)
29	BCR	B	763	-	41,41,41	0.75	0	56,56,56	1.08	4 (7%)
31	DD6	m	620	-	39,45,45	1.32	4 (10%)	52,67,67	2.14	14 (26%)
25	CLA	m	604	-	43,51,73	1.56	7 (16%)	49,86,113	2.04	6 (12%)
25	CLA	A	806	-	45,53,73	1.54	7 (15%)	52,89,113	1.93	10 (19%)
25	CLA	h	608	-	48,56,73	1.53	7 (14%)	55,92,113	1.91	7 (12%)
25	CLA	h	618	-	43,51,73	1.55	7 (16%)	49,86,113	1.89	7 (14%)
28	PQN	d	223	-	27,27,34	1.04	2 (7%)	33,36,45	1.99	9 (27%)
25	CLA	A	803	-	51,59,73	1.49	7 (13%)	59,96,113	1.93	10 (16%)
31	DD6	F	4002	-	39,45,45	1.53	7 (17%)	52,67,67	1.51	11 (21%)
25	CLA	o	601	-	41,49,73	1.65	8 (19%)	47,84,113	1.86	11 (23%)
34	DGD	e	205	-	37,37,67	1.23	1 (2%)	51,51,81	1.10	1 (1%)
25	CLA	h	612	-	58,66,73	1.41	7 (12%)	67,104,113	1.79	8 (11%)
25	CLA	i	611	-	43,51,73	1.55	7 (16%)	49,86,113	1.98	7 (14%)
25	CLA	g	601	-	42,50,73	1.56	7 (16%)	48,85,113	1.95	8 (16%)
25	CLA	B	758	-	65,73,73	1.32	7 (10%)	76,113,113	1.68	11 (14%)
25	CLA	B	741	-	65,73,73	1.33	7 (10%)	76,113,113	1.73	10 (13%)
31	DD6	a	621	-	39,45,45	1.42	5 (12%)	52,67,67	2.10	16 (30%)
25	CLA	h	615	-	42,50,73	1.55	7 (16%)	48,85,113	2.04	7 (14%)
27	LHG	h	190	-	30,30,48	1.69	2 (6%)	33,36,54	1.38	5 (15%)
25	CLA	A	784	-	65,73,73	1.31	7 (10%)	76,113,113	1.59	13 (17%)
25	CLA	o	612	-	43,50,73	1.69	9 (20%)	44,84,113	2.17	8 (18%)
25	CLA	B	759	-	43,51,73	1.53	7 (16%)	49,86,113	1.73	7 (14%)
25	CLA	k	604	-	65,73,73	1.34	7 (10%)	76,113,113	1.69	10 (13%)
25	CLA	b	611	-	42,50,73	1.58	7 (16%)	48,85,113	1.97	6 (12%)
25	CLA	B	745	-	63,71,73	1.33	7 (11%)	73,110,113	1.80	10 (13%)
25	CLA	A	772	-	64,72,73	1.33	7 (10%)	74,111,113	1.72	12 (16%)
27	LHG	g	189	-	34,34,48	1.60	2 (5%)	37,40,54	1.31	5 (13%)
25	CLA	f	604	-	42,50,73	1.59	7 (16%)	48,85,113	1.93	6 (12%)
25	CLA	A	761	-	65,73,73	1.31	7 (10%)	76,113,113	1.77	12 (15%)
25	CLA	i	603	-	43,51,73	1.53	7 (16%)	49,86,113	1.89	9 (18%)
25	CLA	a	603	-	53,61,73	1.47	7 (13%)	61,98,113	1.84	10 (16%)
31	DD6	i	621	-	39,45,45	1.46	5 (12%)	52,67,67	2.12	15 (28%)
25	CLA	B	776	-	59,67,73	1.42	7 (11%)	68,105,113	1.83	10 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	a	604	-	45,53,73	1.57	7 (15%)	52,89,113	1.86	8 (15%)
35	CHL	c	607	-	49,57,74	1.63	9 (18%)	52,93,114	2.19	13 (25%)
25	CLA	c	606	-	43,51,73	1.56	7 (16%)	49,86,113	1.92	8 (16%)
29	BCR	B	765	-	41,41,41	1.66	8 (19%)	56,56,56	1.42	10 (17%)
25	CLA	l	617	-	42,50,73	1.59	7 (16%)	48,85,113	2.11	6 (12%)
25	CLA	n	605	-	42,50,73	1.59	7 (16%)	48,85,113	1.94	8 (16%)
31	DD6	b	620	-	39,45,45	1.34	4 (10%)	52,67,67	2.25	16 (30%)
25	CLA	b	603	-	43,51,73	1.54	7 (16%)	49,86,113	1.96	7 (14%)
25	CLA	d	614	-	42,50,73	1.54	7 (16%)	48,85,113	1.89	7 (14%)
25	CLA	c	613	-	53,61,73	1.46	7 (13%)	61,98,113	1.83	11 (18%)
25	CLA	j	610	-	64,72,73	1.33	6 (9%)	74,111,113	1.63	11 (14%)
25	CLA	B	760	-	43,51,73	1.54	7 (16%)	49,86,113	1.93	6 (12%)
33	LMG	B	786	-	52,52,55	0.81	2 (3%)	60,60,63	1.07	3 (5%)
25	CLA	i	614	-	42,50,73	1.57	7 (16%)	48,85,113	1.86	8 (16%)
31	DD6	J	4002	-	39,45,45	1.42	4 (10%)	52,67,67	2.22	15 (28%)
25	CLA	A	755	-	60,68,73	1.41	7 (11%)	70,107,113	1.81	9 (12%)
25	CLA	A	791	-	63,71,73	1.35	7 (11%)	73,110,113	1.70	11 (15%)
25	CLA	o	613	-	42,50,73	1.58	7 (16%)	48,85,113	1.97	6 (12%)
25	CLA	m	611	-	43,51,73	1.56	7 (16%)	49,86,113	1.86	7 (14%)
25	CLA	c	604	-	48,56,73	1.53	7 (14%)	55,92,113	1.88	9 (16%)
25	CLA	k	615	-	42,50,73	1.57	7 (16%)	48,85,113	2.03	7 (14%)
25	CLA	B	743	-	42,50,73	1.55	7 (16%)	48,85,113	1.96	7 (14%)
25	CLA	B	754	-	43,51,73	1.54	7 (16%)	49,86,113	1.93	7 (14%)
29	BCR	B	767	-	41,41,41	0.80	1 (2%)	56,56,56	1.12	4 (7%)
30	SQD	A	795	-	26,27,54	1.81	7 (26%)	35,38,65	1.69	8 (22%)
25	CLA	l	603	-	43,51,73	1.55	7 (16%)	49,86,113	2.01	8 (16%)
25	CLA	B	777	-	53,61,73	1.47	7 (13%)	61,98,113	1.74	11 (18%)
25	CLA	B	781	-	65,73,73	1.32	7 (10%)	76,113,113	1.76	11 (14%)
25	CLA	B	738	-	65,73,73	1.30	7 (10%)	76,113,113	1.77	9 (11%)
25	CLA	A	753	-	63,71,73	1.33	6 (9%)	73,110,113	1.73	11 (15%)
25	CLA	B	746	-	64,72,73	1.37	7 (10%)	74,111,113	1.75	10 (13%)
25	CLA	A	767	-	43,51,73	1.54	7 (16%)	49,86,113	1.93	7 (14%)
35	CHL	d	607	-	43,51,74	1.62	8 (18%)	45,86,114	2.21	10 (22%)
25	CLA	i	608	-	65,73,73	1.33	7 (10%)	76,113,113	1.74	11 (14%)
25	CLA	j	608	-	47,55,73	1.54	7 (14%)	54,91,113	1.97	8 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	l	609	-	60,68,73	1.39	7 (11%)	70,107,113	1.82	10 (14%)
31	DD6	c	623	-	39,45,45	1.32	4 (10%)	52,67,67	2.38	19 (36%)
25	CLA	p	609	-	50,58,73	1.57	7 (14%)	58,95,113	1.87	8 (13%)
25	CLA	l	613	-	48,56,73	1.52	7 (14%)	55,92,113	1.85	8 (14%)
31	DD6	m	621	-	39,45,45	1.36	5 (12%)	52,67,67	2.12	17 (32%)
25	CLA	e	602	-	65,73,73	1.32	7 (10%)	76,113,113	1.65	12 (15%)
25	CLA	k	608	-	50,58,73	1.52	7 (14%)	58,95,113	1.93	10 (17%)
29	BCR	A	792	-	41,41,41	1.71	8 (19%)	56,56,56	1.58	11 (19%)
25	CLA	e	609	-	52,60,73	1.48	7 (13%)	60,97,113	1.88	9 (15%)
25	CLA	n	602	-	59,67,73	1.38	6 (10%)	68,105,113	1.87	11 (16%)
25	CLA	m	601	-	42,50,73	1.59	7 (16%)	48,85,113	1.76	7 (14%)
27	LHG	m	182	-	31,31,48	1.73	2 (6%)	34,37,54	1.34	5 (14%)
25	CLA	A	752	-	65,73,73	1.32	7 (10%)	76,113,113	1.81	15 (19%)
25	CLA	k	613	-	52,60,73	1.47	7 (13%)	60,97,113	1.90	10 (16%)
25	CLA	m	608	-	42,50,73	1.57	7 (16%)	48,85,113	1.98	5 (10%)
34	DGD	b	182	-	49,49,67	1.23	6 (12%)	63,63,81	1.08	4 (6%)
25	CLA	A	768	-	56,64,73	1.42	8 (14%)	65,102,113	1.77	9 (13%)
35	CHL	d	608	-	46,54,74	1.69	10 (21%)	49,90,114	2.13	12 (24%)
25	CLA	f	602	-	59,67,73	1.41	7 (11%)	68,105,113	1.76	12 (17%)
25	CLA	p	610	-	45,53,73	1.61	8 (17%)	52,89,113	1.82	8 (15%)
25	CLA	i	613	-	59,67,73	1.40	7 (11%)	68,105,113	1.80	10 (14%)
25	CLA	n	603	-	55,63,73	1.47	7 (12%)	64,101,113	1.82	8 (12%)
31	DD6	h	620	-	39,45,45	1.39	4 (10%)	52,67,67	2.11	16 (30%)
25	CLA	i	610	-	55,63,73	1.40	6 (10%)	64,101,113	1.85	9 (14%)
25	CLA	A	759	-	60,68,73	1.36	7 (11%)	70,107,113	1.83	11 (15%)
25	CLA	A	807	-	48,56,73	1.50	7 (14%)	55,92,113	2.02	10 (18%)
25	CLA	n	612	-	42,50,73	1.57	7 (16%)	48,85,113	2.03	6 (12%)
25	CLA	a	613	-	55,63,73	1.45	6 (10%)	64,101,113	1.83	9 (14%)
25	CLA	g	602	-	53,61,73	1.47	7 (13%)	61,98,113	1.76	8 (13%)
25	CLA	j	604	-	57,65,73	1.43	7 (12%)	66,103,113	1.84	10 (15%)
25	CLA	o	602	-	47,55,73	1.53	7 (14%)	54,91,113	1.92	9 (16%)
25	CLA	l	611	-	43,51,73	1.56	7 (16%)	49,86,113	1.96	8 (16%)
25	CLA	d	613	-	42,50,73	1.55	7 (16%)	48,85,113	1.94	6 (12%)
25	CLA	f	610	-	55,63,73	1.48	7 (12%)	64,101,113	1.82	11 (17%)
34	DGD	B	787	-	55,55,67	1.10	0	69,69,81	1.04	2 (2%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	CLA	f	603	-	43,51,73	1.58	7 (16%)	49,86,113	1.95	7 (14%)
25	CLA	b	610	-	42,50,73	1.56	7 (16%)	48,85,113	1.95	8 (16%)
25	CLA	B	740	-	42,50,73	1.56	7 (16%)	48,85,113	1.95	8 (16%)
25	CLA	g	604	-	43,51,73	1.55	7 (16%)	49,86,113	1.81	5 (10%)
25	CLA	b	605	-	45,53,73	1.56	7 (15%)	52,89,113	1.96	8 (15%)
25	CLA	f	612	-	42,50,73	1.62	7 (16%)	48,85,113	1.73	7 (14%)
25	CLA	c	609	-	60,68,73	1.39	7 (11%)	70,107,113	1.82	10 (14%)
31	DD6	b	621	-	39,45,45	1.38	4 (10%)	52,67,67	2.13	16 (30%)
25	CLA	e	611	-	42,50,73	1.58	7 (16%)	48,85,113	1.84	8 (16%)
25	CLA	o	610	-	41,49,73	1.63	7 (17%)	47,84,113	1.89	10 (21%)
25	CLA	o	608	-	43,51,73	1.55	7 (16%)	49,86,113	1.93	8 (16%)
25	CLA	B	774	-	60,68,73	1.41	7 (11%)	70,107,113	1.83	11 (15%)
25	CLA	d	601	-	50,58,73	1.50	7 (14%)	58,95,113	1.98	12 (20%)
31	DD6	j	620	-	39,45,45	1.44	5 (12%)	52,67,67	2.13	15 (28%)
31	DD6	c	621	-	39,45,45	1.42	5 (12%)	52,67,67	2.12	16 (30%)
25	CLA	A	770	-	65,73,73	1.31	7 (10%)	76,113,113	1.66	13 (17%)
25	CLA	b	613	-	42,50,73	1.57	7 (16%)	48,85,113	1.95	8 (16%)
25	CLA	A	783	-	65,73,73	1.32	7 (10%)	76,113,113	1.64	11 (14%)
25	CLA	B	742	-	43,51,73	1.58	7 (16%)	49,86,113	1.91	5 (10%)
25	CLA	p	603	-	42,50,73	1.65	7 (16%)	48,85,113	1.74	6 (12%)
25	CLA	p	612	-	43,51,73	1.55	7 (16%)	49,86,113	1.75	8 (16%)
25	CLA	i	601	-	53,61,73	1.46	7 (13%)	61,98,113	1.85	10 (16%)
25	CLA	A	794	-	57,65,73	1.40	7 (12%)	66,103,113	1.78	10 (15%)

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
27	LHG	c	243	-	-	11/34/34/53	-
25	CLA	a	608	-	1/1/12/20	11/23/101/115	-
25	CLA	f	611	-	1/1/10/20	2/10/88/115	-
25	CLA	c	601	-	1/1/10/20	6/10/88/115	-
31	DD6	e	621	-	-	5/26/80/80	0/3/3/3
25	CLA	B	737	-	1/1/13/20	7/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	773	-	1/1/14/20	6/33/111/115	-
25	CLA	i	612	-	1/1/10/20	5/11/89/115	-
25	CLA	l	604	-	1/1/10/20	4/11/89/115	-
25	CLA	g	614	-	1/1/10/20	3/10/88/115	-
25	CLA	d	604	-	1/1/12/20	5/22/100/115	-
25	CLA	o	614	-	1/1/10/20	5/11/89/115	-
25	CLA	b	601	-	1/1/10/20	4/10/88/115	-
27	LHG	A	786	-	-	22/53/53/53	-
25	CLA	B	771	-	1/1/12/20	7/23/101/115	-
25	CLA	k	614	-	1/1/10/20	4/10/88/115	-
25	CLA	B	768	-	1/1/13/20	6/25/103/115	-
27	LHG	A	756	-	-	19/42/42/53	-
25	CLA	b	602	-	1/1/12/20	9/23/101/115	-
25	CLA	k	601	-	1/1/10/20	3/11/89/115	-
25	CLA	B	747	-	1/1/11/20	3/17/95/115	-
35	CHL	d	605	-	3/3/17/26	8/21/119/137	-
31	DD6	n	620	-	-	5/26/80/80	0/3/3/3
31	DD6	d	623	-	-	4/26/80/80	0/3/3/3
28	PQN	A	785	-	-	8/23/43/43	0/2/2/2
25	CLA	a	619	-	1/1/14/20	12/35/113/115	-
25	CLA	c	602	-	1/1/13/20	12/30/108/115	-
25	CLA	A	777	-	1/1/15/20	11/37/115/115	-
25	CLA	h	613	-	1/1/12/20	10/23/101/115	-
25	CLA	h	603	-	1/1/10/20	5/11/89/115	-
29	BCR	B	766	-	-	14/29/63/63	0/2/2/2
31	DD6	f	620	-	-	5/26/80/80	0/3/3/3
25	CLA	e	607	-	1/1/10/20	5/11/89/115	-
25	CLA	a	601	-	1/1/12/20	6/19/97/115	-
27	LHG	j	198	-	-	24/41/41/53	-
25	CLA	c	608	-	1/1/12/20	11/19/97/115	-
25	CLA	n	607	-	1/1/10/20	3/10/88/115	-
25	CLA	c	603	-	1/1/12/20	6/23/101/115	-
29	BCR	A	796	-	-	9/29/63/63	0/2/2/2
25	CLA	f	615	-	1/1/10/20	7/11/89/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	751	-	1/1/12/20	6/19/97/115	-
25	CLA	g	613	-	1/1/13/20	12/25/103/115	-
25	CLA	c	612	-	1/1/10/20	4/11/89/115	-
25	CLA	A	805	-	1/1/13/20	6/25/103/115	-
32	SF4	C	82	-	-	-	0/6/5/5
25	CLA	A	780	-	1/1/13/20	14/29/107/115	-
25	CLA	B	757	-	1/1/14/20	9/31/109/115	-
25	CLA	B	770	-	1/1/12/20	8/23/101/115	-
25	CLA	m	612	-	1/1/10/20	3/11/89/115	-
25	CLA	f	614	-	1/1/10/20	6/10/88/115	-
25	CLA	k	603	-	1/1/10/20	5/10/88/115	-
29	BCR	A	789	-	-	5/29/63/63	0/2/2/2
25	CLA	g	608	-	1/1/11/20	7/13/91/115	-
25	CLA	B	736	-	1/1/15/20	8/37/115/115	-
25	CLA	A	775	-	1/1/13/20	14/29/107/115	-
31	DD6	l	621	-	-	3/26/80/80	0/3/3/3
31	DD6	c	624	-	-	15/26/80/80	0/3/3/3
35	CHL	d	606	-	3/3/16/26	6/15/113/137	-
25	CLA	B	782	-	1/1/12/20	4/19/97/115	-
25	CLA	j	601	-	1/1/12/20	6/19/97/115	-
29	BCR	B	764	-	-	7/29/63/63	0/2/2/2
30	SQD	c	245	-	-	21/34/54/69	0/1/1/1
31	DD6	i	625	-	-	1/26/80/80	0/3/3/3
25	CLA	A	766	-	1/1/13/20	16/29/107/115	-
25	CLA	h	610	-	1/1/12/20	10/24/102/115	-
31	DD6	e	620	-	-	9/26/80/80	0/3/3/3
25	CLA	e	614	-	1/1/10/20	4/10/88/115	-
31	DD6	A	4008	-	-	9/26/80/80	0/3/3/3
25	CLA	l	610	-	1/1/12/20	12/24/102/115	-
25	CLA	A	764	-	1/1/13/20	9/29/107/115	-
25	CLA	A	801	-	1/1/15/20	18/37/115/115	-
25	CLA	B	753	-	1/1/15/20	13/37/115/115	-
25	CLA	B	739	-	1/1/15/20	13/37/115/115	-
25	CLA	b	608	-	1/1/10/20	0/8/86/115	-
25	CLA	A	774	-	1/1/14/20	14/36/114/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	j	612	-	1/1/13/20	9/25/103/115	-
31	DD6	h	621	-	-	0/26/80/80	0/3/3/3
25	CLA	d	609	-	1/1/11/20	5/18/96/115	-
25	CLA	m	613	-	1/1/10/20	5/10/88/115	-
25	CLA	h	614	-	1/1/10/20	2/11/89/115	-
25	CLA	a	602	-	1/1/14/20	15/31/109/115	-
25	CLA	p	604	-	1/1/10/20	5/11/89/115	-
25	CLA	j	615	-	1/1/10/20	3/11/89/115	-
25	CLA	d	611	-	1/1/11/20	5/13/91/115	-
25	CLA	i	615	-	1/1/12/20	4/19/97/115	-
25	CLA	A	779	-	1/1/10/20	5/11/89/115	-
31	DD6	g	620	-	-	4/26/80/80	0/3/3/3
25	CLA	j	603	-	1/1/10/20	2/10/88/115	-
25	CLA	i	604	-	1/1/10/20	1/11/89/115	-
25	CLA	j	602	-	1/1/13/20	2/25/103/115	-
31	DD6	o	620	-	-	5/26/80/80	0/3/3/3
31	DD6	n	623	-	-	8/26/80/80	0/3/3/3
25	CLA	B	785	-	1/1/11/20	9/13/91/115	-
25	CLA	j	609	-	1/1/12/20	5/19/97/115	-
25	CLA	B	752	-	1/1/15/20	13/37/115/115	-
25	CLA	m	602	-	1/1/14/20	16/31/109/115	-
25	CLA	B	750	-	1/1/14/20	8/31/109/115	-
25	CLA	m	609	-	1/1/12/20	4/19/97/115	-
25	CLA	h	611	-	1/1/10/20	3/11/89/115	-
25	CLA	g	610	-	1/1/13/20	8/25/103/115	-
25	CLA	A	773	-	1/1/12/20	6/23/101/115	-
25	CLA	e	613	-	1/1/13/20	4/25/103/115	-
29	BCR	A	788	-	-	11/29/63/63	0/2/2/2
30	SQD	g	190	-	-	13/27/47/69	0/1/1/1
25	CLA	o	609	-	1/1/11/20	5/13/91/115	-
25	CLA	m	603	-	1/1/12/20	10/24/102/115	-
25	CLA	A	762	-	1/1/12/20	2/19/97/115	-
25	CLA	d	603	-	1/1/10/20	5/10/88/115	-
25	CLA	l	602	-	1/1/13/20	12/30/108/115	-
25	CLA	j	614	-	1/1/10/20	1/10/88/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	749	-	1/1/11/20	8/18/96/115	-
25	CLA	d	612	-	1/1/10/20	3/10/88/115	-
25	CLA	A	802	-	1/1/10/20	4/11/89/115	-
25	CLA	B	783	-	1/1/12/20	3/19/97/115	-
31	DD6	c	620	-	-	4/26/80/80	0/3/3/3
25	CLA	B	784	-	1/1/15/20	18/37/115/115	-
25	CLA	k	609	-	1/1/12/20	2/19/97/115	-
33	LMG	a	182	-	-	18/38/58/70	0/1/1/1
25	CLA	A	757	-	1/1/11/20	5/13/91/115	-
25	CLA	A	793	-	1/1/10/20	0/10/88/115	-
33	LMG	i	195	-	-	11/39/59/70	0/1/1/1
31	DD6	k	620	-	-	2/26/80/80	0/3/3/3
25	CLA	p	613	-	1/1/10/20	5/11/89/115	-
25	CLA	d	602	-	1/1/13/20	3/28/106/115	-
25	CLA	B	772	-	1/1/12/20	10/19/97/115	-
29	BCR	A	790	-	-	12/29/63/63	0/2/2/2
25	CLA	c	611	-	1/1/10/20	1/11/89/115	-
25	CLA	A	778	-	1/1/10/20	3/11/89/115	-
29	BCR	M	201	-	-	6/29/63/63	0/2/2/2
25	CLA	c	616	-	1/1/11/20	5/16/94/115	-
32	SF4	B	735	-	-	-	0/6/5/5
25	CLA	h	604	-	1/1/14/20	8/31/109/115	-
25	CLA	B	744	-	1/1/10/20	3/11/89/115	-
25	CLA	A	798	-	1/1/12/20	10/22/100/115	-
28	PQN	B	769	-	-	5/16/36/43	0/2/2/2
31	DD6	j	621	-	-	3/26/80/80	0/3/3/3
25	CLA	k	611	-	1/1/10/20	5/10/88/115	-
25	CLA	n	610	-	1/1/10/20	1/8/86/115	-
25	CLA	j	618	-	1/1/12/20	6/19/97/115	-
25	CLA	A	781	-	1/1/12/20	8/22/100/115	-
25	CLA	g	618	-	1/1/11/20	2/13/91/115	-
25	CLA	a	610	-	1/1/12/20	8/24/102/115	-
33	LMG	k	179	-	-	16/31/51/70	0/1/1/1
25	CLA	a	609	-	1/1/12/20	5/19/97/115	-
25	CLA	g	603	-	1/1/10/20	4/10/88/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	775	-	1/1/12/20	8/19/97/115	-
25	CLA	f	613	-	1/1/13/20	14/30/108/115	-
25	CLA	o	603	-	1/1/10/20	6/11/89/115	-
25	CLA	g	612	-	1/1/10/20	4/10/88/115	-
25	CLA	A	782	-	1/1/11/20	4/17/95/115	-
31	DD6	g	621	-	-	4/26/80/80	0/3/3/3
25	CLA	a	612	-	1/1/10/20	5/11/89/115	-
25	CLA	l	608	-	1/1/10/20	4/11/89/115	-
25	CLA	A	763	-	1/1/15/20	14/37/115/115	-
31	DD6	o	621	-	-	3/26/80/80	0/3/3/3
31	DD6	A	4002	-	-	3/26/80/80	0/3/3/3
26	LMT	A	754	-	-	7/21/61/61	0/2/2/2
25	CLA	g	615	-	1/1/10/20	0/10/88/115	-
25	CLA	e	608	-	1/1/11/20	6/17/95/115	-
30	SQD	j	200	-	-	12/31/51/69	0/1/1/1
31	DD6	n	621	-	-	13/26/80/80	0/3/3/3
25	CLA	A	797	-	1/1/11/20	7/18/96/115	-
25	CLA	A	808	-	1/1/12/20	10/23/101/115	-
25	CLA	b	612	-	1/1/12/20	11/22/100/115	-
27	LHG	d	237	-	-	14/33/33/53	-
25	CLA	A	776	-	1/1/15/20	8/37/115/115	-
25	CLA	j	611	-	1/1/12/20	6/19/97/115	-
27	LHG	a	181	-	-	9/30/30/53	-
27	LHG	i	194	-	-	19/40/40/53	-
31	DD6	k	621	-	-	3/26/80/80	0/3/3/3
25	CLA	f	609	-	1/1/10/20	4/10/88/115	-
25	CLA	k	618	-	1/1/12/20	3/19/97/115	-
25	CLA	m	610	-	1/1/10/20	4/10/88/115	-
25	CLA	p	602	-	1/1/10/20	7/11/89/115	-
25	CLA	e	610	-	1/1/13/20	6/25/103/115	-
25	CLA	k	612	-	1/1/10/20	2/11/89/115	-
25	CLA	B	755	-	1/1/14/20	15/31/109/115	-
35	CHL	e	606	-	3/3/16/26	8/15/113/137	-
31	DD6	d	621	-	-	3/26/80/80	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	a	611	-	1/1/11/20	6/13/91/115	-
25	CLA	n	608	-	1/1/10/20	2/8/86/115	-
25	CLA	B	780	-	1/1/12/20	7/23/101/115	-
25	CLA	i	602	-	1/1/14/20	11/36/114/115	-
25	CLA	B	779	-	1/1/15/20	15/37/115/115	-
25	CLA	p	608	-	1/1/10/20	4/10/88/115	-
25	CLA	l	612	-	1/1/10/20	6/11/89/115	-
27	LHG	h	189	-	-	14/33/33/53	-
25	CLA	h	609	-	1/1/12/20	8/19/97/115	-
25	CLA	e	604	-	1/1/12/20	4/19/97/115	-
31	DD6	p	621	-	-	3/26/80/80	0/3/3/3
25	CLA	e	605	-	1/1/10/20	3/10/88/115	-
25	CLA	c	619	-	1/1/10/20	5/8/86/115	-
25	CLA	B	748	-	1/1/13/20	12/30/108/115	-
27	LHG	b	181	-	-	24/35/35/53	-
25	CLA	A	758	-	1/1/15/20	8/37/115/115	-
25	CLA	d	610	-	1/1/13/20	12/30/108/115	-
25	CLA	p	601	-	1/1/10/20	3/10/88/115	-
25	CLA	g	609	-	1/1/12/20	5/19/97/115	-
25	CLA	l	614	-	1/1/10/20	5/10/88/115	-
25	CLA	A	804	-	1/1/12/20	8/19/97/115	-
25	CLA	A	800	-	1/1/11/20	5/17/95/115	-
25	CLA	n	609	-	1/1/11/20	5/13/91/115	-
31	DD6	e	623	-	-	15/26/80/80	0/3/3/3
31	DD6	a	620	-	-	5/26/80/80	0/3/3/3
25	CLA	A	765	-	1/1/13/20	10/30/108/115	-
25	CLA	B	778	-	1/1/14/20	12/35/113/115	-
31	DD6	d	620	-	-	2/26/80/80	0/3/3/3
25	CLA	f	608	-	1/1/10/20	2/10/88/115	-
25	CLA	n	613	-	1/1/10/20	4/10/88/115	-
29	BCR	A	787	-	-	5/29/63/63	0/2/2/2
25	CLA	h	601	-	1/1/12/20	9/19/97/115	-
25	CLA	A	799	-	1/1/14/20	15/31/109/115	-
25	CLA	f	601	-	1/1/10/20	5/10/88/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	c	614	-	1/1/10/20	4/10/88/115	-
25	CLA	B	756	-	1/1/14/20	16/31/109/115	-
25	CLA	J	101	-	1/1/12/20	12/19/97/115	-
25	CLA	i	609	-	1/1/10/20	2/11/89/115	-
25	CLA	c	610	-	1/1/13/20	11/25/103/115	-
25	CLA	n	604	-	1/1/11/20	6/17/95/115	-
25	CLA	l	601	-	1/1/10/20	4/10/88/115	-
31	DD6	f	621	-	-	7/26/80/80	0/3/3/3
32	SF4	C	83	-	-	-	0/6/5/5
25	CLA	e	603	-	1/1/11/20	5/13/91/115	-
25	CLA	b	604	-	1/1/11/20	3/13/91/115	-
25	CLA	A	769	-	1/1/15/20	13/37/115/115	-
25	CLA	b	609	-	1/1/11/20	3/13/91/115	-
25	CLA	j	613	-	1/1/14/20	10/34/112/115	-
25	CLA	e	601	-	1/1/10/20	5/8/86/115	-
29	BCR	B	762	-	-	7/29/63/63	0/2/2/2
25	CLA	k	602	-	1/1/12/20	8/23/101/115	-
31	DD6	i	620	-	-	2/26/80/80	0/3/3/3
25	CLA	o	604	-	1/1/10/20	2/10/88/115	-
25	CLA	g	611	-	1/1/10/20	3/10/88/115	-
25	CLA	A	760	-	1/1/15/20	21/37/115/115	-
25	CLA	n	606	-	1/1/10/20	4/10/88/115	-
25	CLA	e	612	-	1/1/10/20	2/11/89/115	-
25	CLA	A	771	-	1/1/13/20	10/28/106/115	-
25	CLA	h	602	-	1/1/13/20	13/25/103/115	-
31	DD6	l	620	-	-	2/26/80/80	0/3/3/3
25	CLA	k	610	-	1/1/13/20	12/28/106/115	-
28	PQN	B	761	-	-	7/23/43/43	0/2/2/2
29	BCR	B	763	-	-	2/29/63/63	0/2/2/2
31	DD6	m	620	-	-	5/26/80/80	0/3/3/3
25	CLA	m	604	-	1/1/10/20	5/11/89/115	-
25	CLA	A	806	-	1/1/11/20	2/13/91/115	-
25	CLA	h	608	-	1/1/11/20	7/17/95/115	-
25	CLA	h	618	-	1/1/10/20	2/11/89/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PQN	d	223	-	-	5/15/35/43	0/2/2/2
25	CLA	A	803	-	1/1/12/20	8/21/99/115	-
31	DD6	F	4002	-	-	18/26/80/80	0/3/3/3
25	CLA	o	601	-	1/1/10/20	2/8/86/115	-
34	DGD	e	205	-	-	6/24/64/95	0/2/2/2
25	CLA	h	612	-	1/1/13/20	8/29/107/115	-
25	CLA	i	611	-	1/1/10/20	4/11/89/115	-
25	CLA	g	601	-	1/1/10/20	4/10/88/115	-
25	CLA	B	758	-	1/1/15/20	20/37/115/115	-
25	CLA	B	741	-	1/1/15/20	15/37/115/115	-
31	DD6	a	621	-	-	0/26/80/80	0/3/3/3
25	CLA	h	615	-	1/1/10/20	4/10/88/115	-
27	LHG	h	190	-	-	11/35/35/53	-
25	CLA	A	784	-	1/1/15/20	15/37/115/115	-
25	CLA	o	612	-	1/1/9/20	4/11/85/115	-
25	CLA	B	759	-	1/1/10/20	4/11/89/115	-
25	CLA	k	604	-	1/1/15/20	18/37/115/115	-
25	CLA	b	611	-	1/1/10/20	4/10/88/115	-
25	CLA	B	745	-	1/1/14/20	19/35/113/115	-
25	CLA	A	772	-	1/1/14/20	11/35/113/115	-
27	LHG	g	189	-	-	25/39/39/53	-
25	CLA	f	604	-	1/1/10/20	5/10/88/115	-
25	CLA	A	761	-	1/1/15/20	12/37/115/115	-
25	CLA	i	603	-	1/1/10/20	6/11/89/115	-
25	CLA	a	603	-	1/1/12/20	8/23/101/115	-
31	DD6	i	621	-	-	3/26/80/80	0/3/3/3
25	CLA	B	776	-	1/1/13/20	10/30/108/115	-
25	CLA	a	604	-	1/1/11/20	7/13/91/115	-
35	CHL	c	607	-	3/3/16/26	6/19/117/137	-
25	CLA	c	606	-	1/1/10/20	4/11/89/115	-
29	BCR	B	765	-	-	11/29/63/63	0/2/2/2
25	CLA	l	617	-	1/1/10/20	6/10/88/115	-
25	CLA	n	605	-	1/1/10/20	6/10/88/115	-
31	DD6	b	620	-	-	5/26/80/80	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	b	603	-	1/1/10/20	6/11/89/115	-
25	CLA	d	614	-	1/1/10/20	4/10/88/115	-
25	CLA	c	613	-	1/1/12/20	8/23/101/115	-
25	CLA	j	610	-	1/1/14/20	18/36/114/115	-
25	CLA	B	760	-	1/1/10/20	4/11/89/115	-
33	LMG	B	786	-	-	19/47/67/70	0/1/1/1
25	CLA	i	614	-	1/1/10/20	3/10/88/115	-
31	DD6	J	4002	-	-	2/26/80/80	0/3/3/3
25	CLA	A	755	-	1/1/14/20	8/31/109/115	-
25	CLA	A	791	-	1/1/14/20	10/35/113/115	-
25	CLA	o	613	-	1/1/10/20	8/10/88/115	-
25	CLA	m	611	-	1/1/10/20	3/11/89/115	-
25	CLA	c	604	-	1/1/11/20	4/17/95/115	-
25	CLA	k	615	-	1/1/10/20	3/10/88/115	-
25	CLA	B	743	-	1/1/10/20	4/10/88/115	-
25	CLA	B	754	-	1/1/10/20	5/11/89/115	-
29	BCR	B	767	-	-	5/29/63/63	0/2/2/2
30	SQD	A	795	-	-	10/21/41/69	0/1/1/1
25	CLA	l	603	-	1/1/10/20	2/11/89/115	-
25	CLA	B	777	-	1/1/12/20	11/23/101/115	-
25	CLA	B	781	-	1/1/15/20	11/37/115/115	-
25	CLA	B	738	-	1/1/15/20	16/37/115/115	-
25	CLA	A	753	-	1/1/14/20	8/35/113/115	-
25	CLA	B	746	-	1/1/14/20	11/36/114/115	-
25	CLA	A	767	-	1/1/10/20	4/11/89/115	-
35	CHL	d	607	-	3/3/15/26	4/12/110/137	-
25	CLA	i	608	-	1/1/15/20	13/37/115/115	-
25	CLA	j	608	-	1/1/11/20	5/16/94/115	-
25	CLA	l	609	-	1/1/14/20	13/31/109/115	-
31	DD6	c	623	-	-	8/26/80/80	0/3/3/3
25	CLA	p	609	-	1/1/12/20	10/19/97/115	-
25	CLA	l	613	-	1/1/11/20	7/17/95/115	-
31	DD6	m	621	-	-	6/26/80/80	0/3/3/3
25	CLA	e	602	-	1/1/15/20	18/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	k	608	-	1/1/12/20	2/19/97/115	-
29	BCR	A	792	-	-	17/29/63/63	0/2/2/2
25	CLA	e	609	-	1/1/12/20	6/22/100/115	-
25	CLA	n	602	-	1/1/13/20	14/30/108/115	-
25	CLA	m	601	-	1/1/10/20	5/10/88/115	-
27	LHG	m	182	-	-	20/36/36/53	-
25	CLA	A	752	-	1/1/15/20	18/37/115/115	-
25	CLA	k	613	-	1/1/12/20	10/22/100/115	-
25	CLA	m	608	-	1/1/10/20	0/10/88/115	-
34	DGD	b	182	-	-	18/37/77/95	0/2/2/2
25	CLA	A	768	-	1/1/13/20	10/27/105/115	-
35	CHL	d	608	-	3/3/16/26	6/15/113/137	-
25	CLA	f	602	-	1/1/13/20	14/30/108/115	-
25	CLA	p	610	-	1/1/11/20	9/13/91/115	-
25	CLA	i	613	-	1/1/13/20	9/30/108/115	-
25	CLA	n	603	-	1/1/13/20	14/25/103/115	-
31	DD6	h	620	-	-	3/26/80/80	0/3/3/3
25	CLA	i	610	-	1/1/13/20	10/25/103/115	-
25	CLA	A	759	-	1/1/14/20	11/31/109/115	-
25	CLA	A	807	-	1/1/11/20	5/17/95/115	-
25	CLA	n	612	-	1/1/10/20	4/10/88/115	-
25	CLA	a	613	-	1/1/13/20	14/25/103/115	-
25	CLA	g	602	-	1/1/12/20	14/23/101/115	-
25	CLA	j	604	-	1/1/13/20	11/28/106/115	-
25	CLA	o	602	-	1/1/11/20	8/16/94/115	-
25	CLA	l	611	-	1/1/10/20	3/11/89/115	-
25	CLA	d	613	-	1/1/10/20	4/10/88/115	-
25	CLA	f	610	-	1/1/13/20	15/25/103/115	-
34	DGD	B	787	-	-	19/43/83/95	0/2/2/2
25	CLA	f	603	-	1/1/10/20	1/11/89/115	-
25	CLA	b	610	-	1/1/10/20	2/10/88/115	-
25	CLA	B	740	-	1/1/10/20	2/10/88/115	-
25	CLA	g	604	-	1/1/10/20	5/11/89/115	-
25	CLA	b	605	-	1/1/11/20	4/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	f	612	-	1/1/10/20	4/10/88/115	-
25	CLA	c	609	-	1/1/14/20	16/31/109/115	-
31	DD6	b	621	-	-	1/26/80/80	0/3/3/3
25	CLA	e	611	-	1/1/10/20	3/10/88/115	-
25	CLA	o	610	-	1/1/10/20	0/8/86/115	-
25	CLA	o	608	-	1/1/10/20	3/11/89/115	-
25	CLA	B	774	-	1/1/14/20	13/31/109/115	-
25	CLA	d	601	-	1/1/12/20	6/19/97/115	-
31	DD6	j	620	-	-	4/26/80/80	0/3/3/3
31	DD6	c	621	-	-	0/26/80/80	0/3/3/3
25	CLA	A	770	-	1/1/15/20	10/37/115/115	-
25	CLA	b	613	-	1/1/10/20	5/10/88/115	-
25	CLA	A	783	-	1/1/15/20	10/37/115/115	-
25	CLA	B	742	-	1/1/10/20	1/11/89/115	-
25	CLA	p	603	-	1/1/10/20	4/10/88/115	-
25	CLA	p	612	-	1/1/10/20	5/11/89/115	-
25	CLA	i	601	-	1/1/12/20	12/23/101/115	-
25	CLA	A	794	-	1/1/13/20	8/28/106/115	-

All (2286) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	b	181	LHG	P-O3	6.37	1.85	1.59
27	m	182	LHG	P-O3	6.32	1.84	1.59
27	c	243	LHG	P-O3	6.28	1.84	1.59
27	d	237	LHG	P-O3	6.22	1.84	1.59
27	h	189	LHG	P-O3	6.19	1.84	1.59
27	a	181	LHG	P-O3	6.15	1.84	1.59
27	h	190	LHG	P-O3	6.10	1.84	1.59
27	g	189	LHG	P-O3	6.02	1.83	1.59
27	A	786	LHG	P-O3	6.02	1.83	1.59
27	i	194	LHG	P-O3	5.94	1.83	1.59
27	j	198	LHG	P-O3	5.90	1.83	1.59
27	A	756	LHG	P-O3	5.69	1.82	1.59
25	p	603	CLA	MG-NA	5.49	2.19	2.06
35	e	606	CHL	CMC-C2C	5.37	1.56	1.45
25	f	612	CLA	MG-NA	5.34	2.19	2.06
25	g	603	CLA	MG-NA	5.34	2.19	2.06
35	d	608	CHL	CMC-C2C	5.34	1.56	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	d	606	CHL	CMC-C2C	5.34	1.56	1.45
27	b	181	LHG	P-O6	5.30	1.80	1.59
27	m	182	LHG	P-O6	5.29	1.80	1.59
25	o	603	CLA	MG-NA	5.23	2.18	2.06
35	d	605	CHL	CMC-C2C	5.22	1.56	1.45
25	f	603	CLA	MG-NA	5.21	2.18	2.06
35	c	607	CHL	CMC-C2C	5.20	1.56	1.45
27	h	189	LHG	P-O6	5.19	1.80	1.59
25	p	613	CLA	MG-NA	5.19	2.18	2.06
35	d	607	CHL	CMC-C2C	5.16	1.56	1.45
25	m	603	CLA	MG-NA	5.15	2.18	2.06
25	j	603	CLA	MG-NA	5.14	2.18	2.06
27	a	181	LHG	P-O6	5.14	1.80	1.59
25	l	603	CLA	MG-NA	5.14	2.18	2.06
25	i	603	CLA	MG-NA	5.14	2.18	2.06
25	l	614	CLA	MG-NA	5.14	2.18	2.06
25	m	601	CLA	MG-NA	5.13	2.18	2.06
27	j	198	LHG	P-O6	5.12	1.80	1.59
25	p	610	CLA	MG-NA	5.11	2.18	2.06
27	c	243	LHG	P-O6	5.10	1.79	1.59
25	d	603	CLA	MG-NA	5.09	2.18	2.06
27	A	786	LHG	P-O6	5.08	1.79	1.59
25	n	604	CLA	MG-NA	5.08	2.18	2.06
25	a	612	CLA	MG-NA	5.08	2.18	2.06
25	g	612	CLA	MG-NA	5.07	2.18	2.06
25	b	612	CLA	MG-NA	5.07	2.18	2.06
25	g	608	CLA	MG-NA	5.06	2.18	2.06
25	j	612	CLA	MG-NA	5.06	2.18	2.06
25	f	615	CLA	MG-NA	5.06	2.18	2.06
25	o	614	CLA	MG-NA	5.06	2.18	2.06
27	g	189	LHG	P-O6	5.05	1.79	1.59
25	A	793	CLA	MG-NA	5.05	2.18	2.06
25	n	612	CLA	MG-NA	5.03	2.18	2.06
27	A	756	LHG	P-O6	5.03	1.79	1.59
25	n	603	CLA	MG-NA	5.03	2.18	2.06
25	c	612	CLA	MG-NA	5.03	2.18	2.06
25	m	612	CLA	MG-NA	5.03	2.18	2.06
25	k	612	CLA	MG-NA	5.02	2.18	2.06
25	a	603	CLA	MG-NA	5.02	2.18	2.06
27	d	237	LHG	P-O6	5.02	1.79	1.59
25	p	609	CLA	MG-NA	5.02	2.18	2.06
25	j	608	CLA	MG-NA	5.02	2.18	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	e	612	CLA	MG-NA	5.02	2.18	2.06
25	i	612	CLA	MG-NA	5.02	2.18	2.06
25	d	612	CLA	MG-NA	5.02	2.18	2.06
25	l	612	CLA	MG-NA	5.01	2.18	2.06
25	o	601	CLA	MG-NA	5.01	2.18	2.06
25	h	612	CLA	MG-NA	5.01	2.18	2.06
25	n	609	CLA	MG-NA	5.01	2.18	2.06
25	b	603	CLA	MG-NA	5.01	2.18	2.06
25	e	603	CLA	MG-NA	5.00	2.18	2.06
25	b	601	CLA	MG-NA	5.00	2.18	2.06
25	A	782	CLA	MG-NA	4.99	2.18	2.06
25	n	607	CLA	MG-NA	4.99	2.18	2.06
25	A	772	CLA	MG-NA	4.99	2.18	2.06
25	n	608	CLA	MG-NA	4.99	2.18	2.06
25	d	604	CLA	MG-NA	4.99	2.18	2.06
25	d	614	CLA	MG-NA	4.99	2.18	2.06
25	f	601	CLA	MG-NA	4.98	2.18	2.06
25	n	613	CLA	MG-NA	4.98	2.18	2.06
25	l	617	CLA	MG-NA	4.98	2.18	2.06
25	n	606	CLA	MG-NA	4.98	2.18	2.06
25	o	612	CLA	MG-NA	4.97	2.18	2.06
25	B	747	CLA	MG-NA	4.97	2.18	2.06
25	B	779	CLA	MG-NA	4.97	2.18	2.06
25	n	605	CLA	MG-NA	4.97	2.18	2.06
25	e	604	CLA	MG-NA	4.97	2.18	2.06
25	A	765	CLA	MG-NA	4.97	2.18	2.06
25	o	602	CLA	MG-NA	4.97	2.18	2.06
27	i	194	LHG	P-O6	4.97	1.79	1.59
25	c	603	CLA	MG-NA	4.97	2.18	2.06
25	A	762	CLA	MG-NA	4.96	2.18	2.06
25	p	608	CLA	MG-NA	4.96	2.18	2.06
25	c	604	CLA	MG-NA	4.96	2.18	2.06
25	g	601	CLA	MG-NA	4.96	2.18	2.06
25	a	611	CLA	MG-NA	4.96	2.18	2.06
25	f	608	CLA	MG-NA	4.96	2.18	2.06
25	A	776	CLA	MG-NA	4.96	2.18	2.06
25	o	613	CLA	MG-NA	4.96	2.18	2.06
25	o	604	CLA	MG-NA	4.96	2.18	2.06
25	A	777	CLA	MG-NA	4.96	2.18	2.06
25	B	776	CLA	MG-NA	4.96	2.18	2.06
25	B	742	CLA	MG-NA	4.95	2.18	2.06
25	f	609	CLA	MG-NA	4.95	2.18	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	778	CLA	MG-NA	4.95	2.18	2.06
25	p	604	CLA	MG-NA	4.95	2.18	2.06
25	j	614	CLA	MG-NA	4.95	2.18	2.06
25	e	614	CLA	MG-NA	4.95	2.18	2.06
25	k	603	CLA	MG-NA	4.95	2.18	2.06
25	d	611	CLA	MG-NA	4.95	2.18	2.06
25	a	619	CLA	MG-NA	4.94	2.18	2.06
25	f	604	CLA	MG-NA	4.94	2.18	2.06
25	b	605	CLA	MG-NA	4.94	2.18	2.06
25	a	601	CLA	MG-NA	4.94	2.18	2.06
25	g	613	CLA	MG-NA	4.94	2.18	2.06
25	c	611	CLA	MG-NA	4.94	2.18	2.06
25	k	615	CLA	MG-NA	4.94	2.18	2.06
25	c	619	CLA	MG-NA	4.94	2.18	2.06
25	p	602	CLA	MG-NA	4.94	2.18	2.06
25	l	601	CLA	MG-NA	4.94	2.18	2.06
25	f	611	CLA	MG-NA	4.93	2.18	2.06
25	B	741	CLA	MG-NA	4.93	2.18	2.06
25	g	618	CLA	MG-NA	4.93	2.18	2.06
25	e	609	CLA	MG-NA	4.93	2.18	2.06
25	B	768	CLA	MG-NA	4.93	2.18	2.06
25	m	604	CLA	MG-NA	4.93	2.18	2.06
25	J	101	CLA	MG-NA	4.93	2.18	2.06
25	g	614	CLA	MG-NA	4.93	2.18	2.06
27	h	190	LHG	P-O6	4.93	1.79	1.59
25	c	606	CLA	MG-NA	4.93	2.18	2.06
25	B	743	CLA	MG-NA	4.93	2.18	2.06
25	g	615	CLA	MG-NA	4.93	2.18	2.06
25	e	601	CLA	MG-NA	4.93	2.18	2.06
25	p	601	CLA	MG-NA	4.93	2.18	2.06
25	h	618	CLA	MG-NA	4.93	2.18	2.06
25	h	601	CLA	MG-NA	4.92	2.18	2.06
25	l	604	CLA	MG-NA	4.92	2.18	2.06
25	e	605	CLA	MG-NA	4.92	2.18	2.06
25	h	602	CLA	MG-NA	4.92	2.18	2.06
25	f	610	CLA	MG-NA	4.92	2.18	2.06
25	k	614	CLA	MG-NA	4.92	2.18	2.06
25	l	611	CLA	MG-NA	4.92	2.18	2.06
25	A	807	CLA	MG-NA	4.92	2.18	2.06
25	a	604	CLA	MG-NA	4.92	2.18	2.06
25	B	746	CLA	MG-NA	4.92	2.18	2.06
25	e	611	CLA	MG-NA	4.92	2.18	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	h	608	CLA	MG-NA	4.92	2.17	2.06
25	b	611	CLA	MG-NA	4.92	2.17	2.06
25	m	608	CLA	MG-NA	4.92	2.17	2.06
25	A	767	CLA	MG-NA	4.92	2.17	2.06
25	B	780	CLA	MG-NA	4.92	2.17	2.06
25	B	771	CLA	MG-NA	4.91	2.17	2.06
25	B	782	CLA	MG-NA	4.91	2.17	2.06
25	A	779	CLA	MG-NA	4.91	2.17	2.06
25	m	611	CLA	MG-NA	4.91	2.17	2.06
25	A	764	CLA	MG-NA	4.91	2.17	2.06
25	B	785	CLA	MG-NA	4.91	2.17	2.06
25	m	613	CLA	MG-NA	4.91	2.17	2.06
25	h	604	CLA	MG-NA	4.91	2.17	2.06
25	f	614	CLA	MG-NA	4.91	2.17	2.06
25	j	604	CLA	MG-NA	4.91	2.17	2.06
25	A	755	CLA	MG-NA	4.90	2.17	2.06
25	A	774	CLA	MG-NA	4.90	2.17	2.06
25	c	614	CLA	MG-NA	4.90	2.17	2.06
25	B	772	CLA	MG-NA	4.90	2.17	2.06
25	c	616	CLA	MG-NA	4.90	2.17	2.06
25	l	608	CLA	MG-NA	4.90	2.17	2.06
25	e	613	CLA	MG-NA	4.90	2.17	2.06
25	c	609	CLA	MG-NA	4.90	2.17	2.06
25	j	618	CLA	MG-NA	4.90	2.17	2.06
25	A	769	CLA	MG-NA	4.89	2.17	2.06
25	k	601	CLA	MG-NA	4.89	2.17	2.06
25	B	754	CLA	MG-NA	4.89	2.17	2.06
25	i	611	CLA	MG-NA	4.89	2.17	2.06
25	B	770	CLA	MG-NA	4.89	2.17	2.06
25	i	614	CLA	MG-NA	4.89	2.17	2.06
25	A	808	CLA	MG-NA	4.89	2.17	2.06
25	d	601	CLA	MG-NA	4.89	2.17	2.06
25	B	760	CLA	MG-NA	4.89	2.17	2.06
25	p	602	CLA	C4B-NB	4.89	1.39	1.35
25	h	603	CLA	MG-NA	4.89	2.17	2.06
25	g	611	CLA	MG-NA	4.89	2.17	2.06
25	B	774	CLA	MG-NA	4.89	2.17	2.06
25	d	609	CLA	MG-NA	4.89	2.17	2.06
25	o	608	CLA	MG-NA	4.88	2.17	2.06
25	k	608	CLA	MG-NA	4.88	2.17	2.06
25	i	608	CLA	MG-NA	4.88	2.17	2.06
25	o	609	CLA	MG-NA	4.88	2.17	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	d	610	CLA	MG-NA	4.88	2.17	2.06
25	i	601	CLA	MG-NA	4.88	2.17	2.06
25	A	780	CLA	MG-NA	4.88	2.17	2.06
25	c	613	CLA	MG-NA	4.88	2.17	2.06
25	b	613	CLA	MG-NA	4.88	2.17	2.06
25	B	738	CLA	MG-NA	4.88	2.17	2.06
25	f	613	CLA	MG-NA	4.88	2.17	2.06
25	n	610	CLA	MG-NA	4.87	2.17	2.06
25	B	781	CLA	MG-NA	4.87	2.17	2.06
25	h	615	CLA	MG-NA	4.87	2.17	2.06
25	B	755	CLA	MG-NA	4.87	2.17	2.06
25	i	615	CLA	MG-NA	4.87	2.17	2.06
25	B	748	CLA	MG-NA	4.87	2.17	2.06
25	h	609	CLA	MG-NA	4.87	2.17	2.06
25	A	761	CLA	MG-NA	4.87	2.17	2.06
25	b	608	CLA	MG-NA	4.87	2.17	2.06
25	a	609	CLA	MG-NA	4.86	2.17	2.06
25	e	607	CLA	MG-NA	4.86	2.17	2.06
25	l	609	CLA	MG-NA	4.86	2.17	2.06
25	h	614	CLA	MG-NA	4.86	2.17	2.06
25	k	604	CLA	MG-NA	4.86	2.17	2.06
25	A	800	CLA	MG-NA	4.86	2.17	2.06
25	f	602	CLA	MG-NA	4.86	2.17	2.06
25	A	804	CLA	MG-NA	4.86	2.17	2.06
25	h	611	CLA	MG-NA	4.85	2.17	2.06
25	A	798	CLA	MG-NA	4.85	2.17	2.06
25	B	749	CLA	MG-NA	4.85	2.17	2.06
25	b	602	CLA	MG-NA	4.85	2.17	2.06
25	j	615	CLA	MG-NA	4.85	2.17	2.06
25	p	612	CLA	MG-NA	4.85	2.17	2.06
25	k	611	CLA	MG-NA	4.85	2.17	2.06
25	g	604	CLA	MG-NA	4.85	2.17	2.06
25	b	604	CLA	MG-NA	4.85	2.17	2.06
25	B	783	CLA	MG-NA	4.84	2.17	2.06
25	j	609	CLA	MG-NA	4.84	2.17	2.06
25	B	752	CLA	MG-NA	4.84	2.17	2.06
25	B	744	CLA	MG-NA	4.84	2.17	2.06
25	B	740	CLA	MG-NA	4.84	2.17	2.06
25	j	601	CLA	MG-NA	4.84	2.17	2.06
25	B	777	CLA	MG-NA	4.84	2.17	2.06
25	A	803	CLA	MG-NA	4.84	2.17	2.06
25	j	611	CLA	MG-NA	4.84	2.17	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	c	601	CLA	MG-NA	4.83	2.17	2.06
25	l	613	CLA	MG-NA	4.83	2.17	2.06
25	b	609	CLA	MG-NA	4.83	2.17	2.06
25	B	784	CLA	MG-NA	4.83	2.17	2.06
25	A	802	CLA	MG-NA	4.83	2.17	2.06
25	k	618	CLA	MG-NA	4.83	2.17	2.06
25	A	801	CLA	MG-NA	4.83	2.17	2.06
25	l	602	CLA	MG-NA	4.83	2.17	2.06
25	B	759	CLA	MG-NA	4.82	2.17	2.06
25	b	610	CLA	MG-NA	4.82	2.17	2.06
25	m	609	CLA	MG-NA	4.82	2.17	2.06
25	A	773	CLA	MG-NA	4.82	2.17	2.06
25	i	609	CLA	MG-NA	4.82	2.17	2.06
25	A	794	CLA	MG-NA	4.82	2.17	2.06
25	d	613	CLA	MG-NA	4.82	2.17	2.06
25	A	771	CLA	MG-NA	4.81	2.17	2.06
25	B	745	CLA	MG-NA	4.81	2.17	2.06
25	A	766	CLA	MG-NA	4.81	2.17	2.06
25	A	760	CLA	MG-NA	4.81	2.17	2.06
25	A	757	CLA	MG-NA	4.81	2.17	2.06
25	A	806	CLA	MG-NA	4.81	2.17	2.06
25	A	768	CLA	MG-NA	4.81	2.17	2.06
25	i	604	CLA	MG-NA	4.81	2.17	2.06
25	m	610	CLA	MG-NA	4.81	2.17	2.06
25	B	778	CLA	MG-NA	4.81	2.17	2.06
25	A	799	CLA	MG-NA	4.81	2.17	2.06
25	B	758	CLA	MG-NA	4.81	2.17	2.06
25	c	608	CLA	MG-NA	4.80	2.17	2.06
25	k	602	CLA	MG-NA	4.80	2.17	2.06
25	e	602	CLA	MG-NA	4.80	2.17	2.06
25	B	739	CLA	MG-NA	4.80	2.17	2.06
25	a	613	CLA	MG-NA	4.80	2.17	2.06
25	a	608	CLA	MG-NA	4.80	2.17	2.06
25	B	753	CLA	MG-NA	4.80	2.17	2.06
25	e	610	CLA	MG-NA	4.80	2.17	2.06
25	B	775	CLA	MG-NA	4.80	2.17	2.06
25	c	602	CLA	MG-NA	4.79	2.17	2.06
25	g	609	CLA	MG-NA	4.79	2.17	2.06
25	B	773	CLA	MG-NA	4.79	2.17	2.06
25	A	759	CLA	MG-NA	4.78	2.17	2.06
25	k	609	CLA	MG-NA	4.78	2.17	2.06
25	A	781	CLA	MG-NA	4.77	2.17	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	k	613	CLA	MG-NA	4.77	2.17	2.06
25	A	770	CLA	MG-NA	4.77	2.17	2.06
25	A	797	CLA	MG-NA	4.77	2.17	2.06
25	d	602	CLA	MG-NA	4.77	2.17	2.06
25	e	608	CLA	MG-NA	4.77	2.17	2.06
25	A	752	CLA	MG-NA	4.77	2.17	2.06
25	A	775	CLA	MG-NA	4.76	2.17	2.06
25	c	610	CLA	MG-NA	4.76	2.17	2.06
25	B	757	CLA	MG-NA	4.75	2.17	2.06
25	i	602	CLA	MG-NA	4.75	2.17	2.06
25	B	751	CLA	MG-NA	4.74	2.17	2.06
25	A	763	CLA	MG-NA	4.74	2.17	2.06
25	a	602	CLA	MG-NA	4.74	2.17	2.06
25	A	784	CLA	MG-NA	4.74	2.17	2.06
25	g	602	CLA	MG-NA	4.73	2.17	2.06
25	B	756	CLA	MG-NA	4.73	2.17	2.06
25	k	610	CLA	MG-NA	4.73	2.17	2.06
25	m	602	CLA	MG-NA	4.73	2.17	2.06
25	o	610	CLA	MG-NA	4.73	2.17	2.06
25	i	613	CLA	MG-NA	4.73	2.17	2.06
25	a	610	CLA	MG-NA	4.71	2.17	2.06
25	B	736	CLA	MG-NA	4.71	2.17	2.06
25	B	750	CLA	MG-NA	4.71	2.17	2.06
25	i	610	CLA	MG-NA	4.71	2.17	2.06
25	n	602	CLA	MG-NA	4.71	2.17	2.06
30	g	190	SQD	O48-C23	4.70	1.47	1.33
25	j	613	CLA	MG-NA	4.70	2.17	2.06
25	l	610	CLA	MG-NA	4.69	2.17	2.06
25	h	613	CLA	MG-NA	4.68	2.17	2.06
30	j	200	SQD	O48-C23	4.67	1.47	1.33
25	A	791	CLA	MG-NA	4.67	2.17	2.06
25	A	753	CLA	MG-NA	4.66	2.17	2.06
25	j	610	CLA	MG-NA	4.66	2.17	2.06
25	A	783	CLA	MG-NA	4.65	2.17	2.06
25	g	610	CLA	MG-NA	4.65	2.17	2.06
25	j	602	CLA	MG-NA	4.64	2.17	2.06
30	c	245	SQD	O48-C23	4.63	1.46	1.33
25	p	603	CLA	C4B-NB	4.62	1.39	1.35
25	h	610	CLA	MG-NA	4.60	2.17	2.06
25	B	737	CLA	MG-NA	4.60	2.17	2.06
25	A	758	CLA	MG-NA	4.57	2.17	2.06
25	A	805	CLA	MG-NA	4.57	2.17	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	n	620	DD6	C29-C27	-4.39	1.34	1.42
31	p	621	DD6	C29-C27	-4.38	1.34	1.42
25	f	610	CLA	C4B-NB	4.38	1.39	1.35
31	c	620	DD6	C29-C27	-4.36	1.34	1.42
31	c	623	DD6	C29-C27	-4.35	1.34	1.42
31	i	621	DD6	C29-C27	-4.35	1.34	1.42
31	g	621	DD6	C29-C27	-4.33	1.34	1.42
31	j	620	DD6	C29-C27	-4.33	1.34	1.42
31	d	623	DD6	C29-C27	-4.33	1.34	1.42
31	m	620	DD6	C29-C27	-4.31	1.34	1.42
25	n	610	CLA	C4B-NB	4.31	1.39	1.35
25	p	610	CLA	C4B-NB	4.31	1.39	1.35
31	k	621	DD6	C29-C27	-4.31	1.34	1.42
31	J	4002	DD6	C29-C27	-4.31	1.34	1.42
31	o	621	DD6	C29-C27	-4.31	1.34	1.42
25	f	604	CLA	C4B-NB	4.31	1.39	1.35
31	b	621	DD6	C29-C27	-4.31	1.34	1.42
25	p	613	CLA	C4B-NB	4.31	1.39	1.35
31	o	620	DD6	C29-C27	-4.30	1.34	1.42
25	f	609	CLA	C4B-NB	4.30	1.39	1.35
31	d	620	DD6	C29-C27	-4.29	1.34	1.42
31	i	625	DD6	C29-C27	-4.29	1.34	1.42
31	e	621	DD6	C29-C27	-4.28	1.34	1.42
31	A	4002	DD6	C29-C27	-4.28	1.34	1.42
31	h	621	DD6	C29-C27	-4.28	1.34	1.42
31	c	621	DD6	C29-C27	-4.28	1.34	1.42
31	b	620	DD6	C29-C27	-4.27	1.34	1.42
31	a	620	DD6	C29-C27	-4.27	1.34	1.42
25	f	612	CLA	C4B-NB	4.27	1.39	1.35
25	p	609	CLA	C4B-NB	4.27	1.39	1.35
31	i	620	DD6	C29-C27	-4.26	1.34	1.42
31	d	621	DD6	C29-C27	-4.26	1.34	1.42
31	A	4008	DD6	C29-C27	-4.25	1.34	1.42
25	o	610	CLA	C4B-NB	4.24	1.39	1.35
31	j	621	DD6	C29-C27	-4.24	1.34	1.42
25	m	601	CLA	C4B-NB	4.24	1.39	1.35
31	h	620	DD6	C29-C27	-4.24	1.34	1.42
31	m	621	DD6	C29-C27	-4.24	1.34	1.42
25	o	601	CLA	C4B-NB	4.23	1.39	1.35
31	g	620	DD6	C29-C27	-4.23	1.34	1.42
31	a	621	DD6	C29-C27	-4.23	1.34	1.42
31	f	620	DD6	C29-C27	-4.23	1.34	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	l	620	DD6	C29-C27	-4.21	1.34	1.42
25	f	601	CLA	C4B-NB	4.21	1.39	1.35
31	f	621	DD6	C29-C27	-4.21	1.34	1.42
25	b	601	CLA	C4B-NB	4.21	1.39	1.35
31	k	620	DD6	C29-C27	-4.21	1.34	1.42
31	l	621	DD6	C29-C27	-4.20	1.34	1.42
25	n	605	CLA	C4B-NB	4.20	1.39	1.35
25	o	613	CLA	C4B-NB	4.20	1.39	1.35
25	f	615	CLA	C4B-NB	4.19	1.38	1.35
25	n	603	CLA	C4B-NB	4.18	1.38	1.35
25	l	614	CLA	C4B-NB	4.17	1.38	1.35
25	p	601	CLA	C4B-NB	4.17	1.38	1.35
25	f	603	CLA	C4B-NB	4.16	1.38	1.35
25	b	611	CLA	C4B-NB	4.16	1.38	1.35
25	f	614	CLA	C4B-NB	4.16	1.38	1.35
25	e	601	CLA	C4B-NB	4.15	1.38	1.35
25	l	617	CLA	C4B-NB	4.15	1.38	1.35
25	f	611	CLA	C4B-NB	4.14	1.38	1.35
25	k	611	CLA	C4B-NB	4.13	1.38	1.35
25	n	604	CLA	C4B-NB	4.13	1.38	1.35
25	p	604	CLA	C4B-NB	4.13	1.38	1.35
25	l	601	CLA	C4B-NB	4.13	1.38	1.35
25	g	608	CLA	C4B-NB	4.13	1.38	1.35
25	n	606	CLA	C4B-NB	4.12	1.38	1.35
25	h	608	CLA	C4B-NB	4.12	1.38	1.35
25	a	619	CLA	C4B-NB	4.12	1.38	1.35
25	n	607	CLA	C4B-NB	4.11	1.38	1.35
25	l	604	CLA	C4B-NB	4.11	1.38	1.35
25	k	601	CLA	C4B-NB	4.11	1.38	1.35
25	B	746	CLA	C4B-NB	4.10	1.38	1.35
25	a	611	CLA	C4B-NB	4.10	1.38	1.35
25	g	609	CLA	C4B-NB	4.10	1.38	1.35
31	n	623	DD6	C5-C6	4.09	1.41	1.35
25	l	611	CLA	C4B-NB	4.09	1.38	1.35
25	n	612	CLA	C4B-NB	4.09	1.38	1.35
25	e	611	CLA	C4B-NB	4.08	1.38	1.35
25	g	615	CLA	C4B-NB	4.07	1.38	1.35
25	e	603	CLA	C4B-NB	4.07	1.38	1.35
25	k	614	CLA	C4B-NB	4.07	1.38	1.35
25	d	604	CLA	C4B-NB	4.07	1.38	1.35
25	b	605	CLA	C4B-NB	4.07	1.38	1.35
25	l	610	CLA	C4B-NB	4.06	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	f	602	CLA	C4B-NB	4.06	1.38	1.35
25	g	602	CLA	C4B-NB	4.06	1.38	1.35
25	m	613	CLA	C4B-NB	4.05	1.38	1.35
25	a	612	CLA	C4B-NB	4.04	1.38	1.35
25	B	779	CLA	C4B-NB	4.04	1.38	1.35
25	m	611	CLA	C4B-NB	4.03	1.38	1.35
25	n	609	CLA	C4B-NB	4.03	1.38	1.35
25	o	614	CLA	C4B-NB	4.03	1.38	1.35
25	a	604	CLA	C4B-NB	4.03	1.38	1.35
25	e	604	CLA	C4B-NB	4.03	1.38	1.35
25	p	608	CLA	C4B-NB	4.03	1.38	1.35
25	g	618	CLA	C4B-NB	4.03	1.38	1.35
25	k	608	CLA	C4B-NB	4.02	1.38	1.35
31	n	623	DD6	C2-C1	4.02	1.41	1.35
25	e	607	CLA	C4B-NB	4.02	1.38	1.35
25	b	613	CLA	C4B-NB	4.02	1.38	1.35
25	m	602	CLA	C4B-NB	4.02	1.38	1.35
25	A	782	CLA	C4B-NB	4.02	1.38	1.35
25	c	601	CLA	C4B-NB	4.02	1.38	1.35
25	f	608	CLA	C4B-NB	4.02	1.38	1.35
25	e	605	CLA	C4B-NB	4.02	1.38	1.35
25	A	803	CLA	C4B-NB	4.01	1.38	1.35
25	o	608	CLA	C4B-NB	4.01	1.38	1.35
25	n	608	CLA	C4B-NB	4.01	1.38	1.35
25	i	602	CLA	C4B-NB	4.01	1.38	1.35
25	k	615	CLA	C4B-NB	4.01	1.38	1.35
25	c	606	CLA	C4B-NB	4.01	1.38	1.35
25	A	778	CLA	C4B-NB	4.00	1.38	1.35
25	A	755	CLA	C4B-NB	4.00	1.38	1.35
25	B	768	CLA	C4B-NB	4.00	1.38	1.35
25	n	613	CLA	C4B-NB	4.00	1.38	1.35
25	B	776	CLA	C4B-NB	4.00	1.38	1.35
25	l	613	CLA	C4B-NB	4.00	1.38	1.35
25	g	612	CLA	C4B-NB	4.00	1.38	1.35
25	o	604	CLA	C4B-NB	4.00	1.38	1.35
25	B	751	CLA	C4B-NB	3.99	1.38	1.35
25	c	604	CLA	C4B-NB	3.99	1.38	1.35
25	g	614	CLA	C4B-NB	3.99	1.38	1.35
25	m	609	CLA	C4B-NB	3.98	1.38	1.35
25	A	791	CLA	C4B-NB	3.98	1.38	1.35
25	c	619	CLA	C4B-NB	3.98	1.38	1.35
25	a	601	CLA	C4B-NB	3.98	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	b	612	CLA	C4B-NB	3.98	1.38	1.35
25	g	604	CLA	C4B-NB	3.98	1.38	1.35
25	b	609	CLA	C4B-NB	3.98	1.38	1.35
25	h	601	CLA	C4B-NB	3.97	1.38	1.35
25	g	603	CLA	C4B-NB	3.96	1.38	1.35
25	d	611	CLA	C4B-NB	3.96	1.38	1.35
25	B	785	CLA	C4B-NB	3.96	1.38	1.35
25	m	610	CLA	C4B-NB	3.96	1.38	1.35
25	a	609	CLA	C4B-NB	3.96	1.38	1.35
25	f	613	CLA	C4B-NB	3.96	1.38	1.35
25	b	610	CLA	C4B-NB	3.95	1.38	1.35
25	j	608	CLA	C4B-NB	3.95	1.38	1.35
25	B	742	CLA	C4B-NB	3.95	1.38	1.35
25	l	612	CLA	C4B-NB	3.95	1.38	1.35
25	g	611	CLA	C4B-NB	3.95	1.38	1.35
25	h	612	CLA	C4B-NB	3.94	1.38	1.35
25	o	602	CLA	C4B-NB	3.94	1.38	1.35
25	J	101	CLA	C4B-NB	3.94	1.38	1.35
25	m	604	CLA	C4B-NB	3.94	1.38	1.35
25	B	736	CLA	C4B-NB	3.94	1.38	1.35
25	j	618	CLA	C4B-NB	3.94	1.38	1.35
25	o	612	CLA	C4B-NB	3.94	1.38	1.35
25	B	752	CLA	C4B-NB	3.94	1.38	1.35
25	c	616	CLA	C4B-NB	3.93	1.38	1.35
31	e	623	DD6	C10-C11	3.93	1.41	1.35
29	A	792	BCR	C21-C22	3.93	1.41	1.35
25	d	609	CLA	C4B-NB	3.93	1.38	1.35
31	n	623	DD6	C10-C11	3.93	1.41	1.35
25	m	603	CLA	C4B-NB	3.92	1.38	1.35
25	o	609	CLA	C4B-NB	3.92	1.38	1.35
25	e	613	CLA	C4B-NB	3.92	1.38	1.35
25	A	776	CLA	C4B-NB	3.92	1.38	1.35
25	B	780	CLA	C4B-NB	3.92	1.38	1.35
25	e	608	CLA	C4B-NB	3.91	1.38	1.35
25	l	603	CLA	C4B-NB	3.91	1.38	1.35
31	p	621	DD6	C30-C31	-3.91	1.34	1.42
25	b	603	CLA	C4B-NB	3.91	1.38	1.35
25	i	614	CLA	C4B-NB	3.90	1.38	1.35
25	j	614	CLA	C4B-NB	3.90	1.38	1.35
25	e	612	CLA	C4B-NB	3.90	1.38	1.35
25	p	612	CLA	C4B-NB	3.90	1.38	1.35
25	B	741	CLA	C4B-NB	3.90	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	767	CLA	C4B-NB	3.90	1.38	1.35
25	j	603	CLA	C4B-NB	3.90	1.38	1.35
25	A	769	CLA	C4B-NB	3.90	1.38	1.35
25	a	608	CLA	C4B-NB	3.90	1.38	1.35
25	l	609	CLA	C4B-NB	3.90	1.38	1.35
25	j	615	CLA	C4B-NB	3.89	1.38	1.35
25	l	602	CLA	C4B-NB	3.89	1.38	1.35
25	h	613	CLA	C4B-NB	3.89	1.38	1.35
25	a	610	CLA	C4B-NB	3.89	1.38	1.35
25	g	613	CLA	C4B-NB	3.89	1.38	1.35
25	c	611	CLA	C4B-NB	3.89	1.38	1.35
25	B	757	CLA	C4B-NB	3.89	1.38	1.35
25	k	612	CLA	C4B-NB	3.89	1.38	1.35
25	m	608	CLA	C4B-NB	3.88	1.38	1.35
25	A	764	CLA	C4B-NB	3.88	1.38	1.35
25	m	612	CLA	C4B-NB	3.88	1.38	1.35
25	h	614	CLA	C4B-NB	3.88	1.38	1.35
25	c	609	CLA	C4B-NB	3.87	1.38	1.35
25	h	615	CLA	C4B-NB	3.87	1.38	1.35
25	k	604	CLA	C4B-NB	3.87	1.38	1.35
25	g	601	CLA	C4B-NB	3.87	1.38	1.35
25	h	618	CLA	C4B-NB	3.87	1.38	1.35
25	i	611	CLA	C4B-NB	3.87	1.38	1.35
25	c	614	CLA	C4B-NB	3.87	1.38	1.35
25	B	753	CLA	C4B-NB	3.87	1.38	1.35
31	c	620	DD6	C30-C31	-3.87	1.34	1.42
25	c	603	CLA	C4B-NB	3.87	1.38	1.35
31	g	621	DD6	C30-C31	-3.86	1.34	1.42
25	B	747	CLA	C4B-NB	3.86	1.38	1.35
31	c	623	DD6	C30-C31	-3.86	1.34	1.42
31	A	4002	DD6	C30-C31	-3.86	1.34	1.42
25	B	773	CLA	C4B-NB	3.86	1.38	1.35
31	i	625	DD6	C30-C31	-3.85	1.34	1.42
25	h	604	CLA	C4B-NB	3.85	1.38	1.35
25	g	610	CLA	C4B-NB	3.85	1.38	1.35
25	c	608	CLA	C4B-NB	3.85	1.38	1.35
25	e	614	CLA	C4B-NB	3.85	1.38	1.35
25	h	611	CLA	C4B-NB	3.85	1.38	1.35
25	A	781	CLA	C4B-NB	3.85	1.38	1.35
25	A	797	CLA	C4B-NB	3.85	1.38	1.35
31	i	621	DD6	C30-C31	-3.85	1.34	1.42
31	m	620	DD6	C30-C31	-3.84	1.34	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	i	609	CLA	C4B-NB	3.84	1.38	1.35
25	i	612	CLA	C4B-NB	3.84	1.38	1.35
25	j	611	CLA	C4B-NB	3.84	1.38	1.35
31	d	621	DD6	C30-C31	-3.84	1.34	1.42
31	o	621	DD6	C30-C31	-3.84	1.34	1.42
25	b	604	CLA	C4B-NB	3.84	1.38	1.35
25	a	613	CLA	C4B-NB	3.83	1.38	1.35
31	o	620	DD6	C30-C31	-3.83	1.34	1.42
31	e	621	DD6	C30-C31	-3.83	1.34	1.42
31	n	620	DD6	C30-C31	-3.83	1.34	1.42
25	d	612	CLA	C4B-NB	3.83	1.38	1.35
25	d	614	CLA	C4B-NB	3.83	1.38	1.35
31	d	623	DD6	C30-C31	-3.82	1.34	1.42
25	A	773	CLA	C4B-NB	3.82	1.38	1.35
25	A	758	CLA	C4B-NB	3.82	1.38	1.35
31	f	621	DD6	C30-C31	-3.82	1.34	1.42
25	A	793	CLA	C4B-NB	3.81	1.38	1.35
25	j	613	CLA	C4B-NB	3.81	1.38	1.35
25	k	603	CLA	C4B-NB	3.81	1.38	1.35
25	a	602	CLA	C4B-NB	3.81	1.38	1.35
25	i	615	CLA	C4B-NB	3.81	1.38	1.35
25	h	609	CLA	C4B-NB	3.81	1.38	1.35
25	A	800	CLA	C4B-NB	3.80	1.38	1.35
25	h	603	CLA	C4B-NB	3.80	1.38	1.35
25	B	783	CLA	C4B-NB	3.80	1.38	1.35
25	d	603	CLA	C4B-NB	3.80	1.38	1.35
31	b	621	DD6	C30-C31	-3.80	1.34	1.42
31	d	620	DD6	C30-C31	-3.79	1.34	1.42
25	j	601	CLA	C4B-NB	3.79	1.38	1.35
25	B	777	CLA	C4B-NB	3.79	1.38	1.35
31	e	623	DD6	C5-C6	3.79	1.40	1.35
25	B	744	CLA	C4B-NB	3.79	1.38	1.35
25	A	779	CLA	C4B-NB	3.79	1.38	1.35
31	j	620	DD6	C30-C31	-3.79	1.34	1.42
25	A	762	CLA	C4B-NB	3.79	1.38	1.35
25	B	740	CLA	C4B-NB	3.79	1.38	1.35
25	l	608	CLA	C4B-NB	3.79	1.38	1.35
25	b	608	CLA	C4B-NB	3.79	1.38	1.35
31	J	4002	DD6	C30-C31	-3.79	1.34	1.42
25	n	602	CLA	C4B-NB	3.79	1.38	1.35
31	b	620	DD6	C30-C31	-3.79	1.34	1.42
31	h	621	DD6	C30-C31	-3.78	1.34	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	i	601	CLA	C4B-NB	3.78	1.38	1.35
25	k	602	CLA	C4B-NB	3.78	1.38	1.35
31	k	621	DD6	C30-C31	-3.78	1.34	1.42
25	B	749	CLA	C4B-NB	3.78	1.38	1.35
25	i	613	CLA	C4B-NB	3.78	1.38	1.35
31	c	621	DD6	C30-C31	-3.78	1.34	1.42
25	A	777	CLA	C4B-NB	3.78	1.38	1.35
25	B	770	CLA	C4B-NB	3.78	1.38	1.35
29	B	766	BCR	C23-C22	-3.78	1.37	1.45
25	e	609	CLA	C4B-NB	3.78	1.38	1.35
25	k	613	CLA	C4B-NB	3.78	1.38	1.35
31	f	620	DD6	C30-C31	-3.77	1.34	1.42
31	a	620	DD6	C30-C31	-3.77	1.34	1.42
25	B	771	CLA	C4B-NB	3.77	1.38	1.35
25	B	772	CLA	C4B-NB	3.77	1.38	1.35
25	A	759	CLA	C4B-NB	3.77	1.38	1.35
25	A	799	CLA	C4B-NB	3.76	1.38	1.35
25	B	755	CLA	C4B-NB	3.76	1.38	1.35
25	c	613	CLA	C4B-NB	3.76	1.38	1.35
31	h	620	DD6	C30-C31	-3.76	1.34	1.42
31	j	621	DD6	C30-C31	-3.76	1.34	1.42
25	A	765	CLA	C4B-NB	3.76	1.38	1.35
25	A	808	CLA	C4B-NB	3.76	1.38	1.35
31	i	620	DD6	C30-C31	-3.76	1.34	1.42
25	c	610	CLA	C4B-NB	3.76	1.38	1.35
25	i	603	CLA	C4B-NB	3.76	1.38	1.35
31	a	621	DD6	C30-C31	-3.75	1.34	1.42
31	l	621	DD6	C30-C31	-3.75	1.34	1.42
25	A	775	CLA	C4B-NB	3.75	1.38	1.35
25	A	801	CLA	C4B-NB	3.75	1.38	1.35
31	A	4008	DD6	C30-C31	-3.74	1.34	1.42
31	l	620	DD6	C30-C31	-3.74	1.34	1.42
25	A	772	CLA	C4B-NB	3.74	1.38	1.35
25	k	609	CLA	C4B-NB	3.74	1.38	1.35
25	A	802	CLA	C4B-NB	3.74	1.38	1.35
25	a	603	CLA	C4B-NB	3.74	1.38	1.35
31	m	621	DD6	C30-C31	-3.74	1.34	1.42
25	c	612	CLA	C4B-NB	3.74	1.38	1.35
25	j	609	CLA	C4B-NB	3.74	1.38	1.35
25	d	610	CLA	C4B-NB	3.73	1.38	1.35
25	d	613	CLA	C4B-NB	3.73	1.38	1.35
25	b	602	CLA	C4B-NB	3.73	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	806	CLA	C4B-NB	3.72	1.38	1.35
25	i	604	CLA	C4B-NB	3.72	1.38	1.35
25	h	602	CLA	C4B-NB	3.72	1.38	1.35
31	k	620	DD6	C30-C31	-3.72	1.34	1.42
35	d	605	CHL	C4B-NB	3.71	1.38	1.35
25	B	781	CLA	C4B-NB	3.71	1.38	1.35
25	B	743	CLA	C4B-NB	3.71	1.38	1.35
25	B	774	CLA	C4B-NB	3.71	1.38	1.35
25	A	752	CLA	C4B-NB	3.70	1.38	1.35
25	B	760	CLA	C4B-NB	3.70	1.38	1.35
25	k	618	CLA	C4B-NB	3.70	1.38	1.35
25	B	748	CLA	C4B-NB	3.70	1.38	1.35
25	i	608	CLA	C4B-NB	3.70	1.38	1.35
25	A	804	CLA	C4B-NB	3.69	1.38	1.35
25	B	754	CLA	C4B-NB	3.69	1.38	1.35
31	g	620	DD6	C30-C31	-3.69	1.34	1.42
25	A	780	CLA	C4B-NB	3.69	1.38	1.35
25	B	758	CLA	C4B-NB	3.69	1.38	1.35
25	j	604	CLA	C4B-NB	3.69	1.38	1.35
29	A	792	BCR	C17-C18	3.68	1.40	1.35
25	o	612	CLA	CAD-C3D	-3.68	1.44	1.50
25	d	601	CLA	C4B-NB	3.68	1.38	1.35
25	d	602	CLA	C4B-NB	3.68	1.38	1.35
25	A	805	CLA	C4B-NB	3.68	1.38	1.35
25	A	770	CLA	C4B-NB	3.67	1.38	1.35
25	e	602	CLA	C4B-NB	3.66	1.38	1.35
25	B	784	CLA	C4B-NB	3.66	1.38	1.35
25	A	783	CLA	C4B-NB	3.65	1.38	1.35
25	A	771	CLA	C4B-NB	3.64	1.38	1.35
25	B	775	CLA	C4B-NB	3.64	1.38	1.35
25	i	610	CLA	C4B-NB	3.64	1.38	1.35
25	A	798	CLA	C4B-NB	3.63	1.38	1.35
25	e	610	CLA	C4B-NB	3.63	1.38	1.35
25	j	612	CLA	C4B-NB	3.62	1.38	1.35
25	B	750	CLA	C4B-NB	3.62	1.38	1.35
31	d	621	DD6	O1-C20	-3.61	1.41	1.46
25	j	610	CLA	C4B-NB	3.61	1.38	1.35
25	o	603	CLA	C4B-NB	3.60	1.38	1.35
25	B	756	CLA	C4B-NB	3.60	1.38	1.35
29	A	792	BCR	C14-C13	3.60	1.40	1.35
29	A	788	BCR	C23-C22	-3.60	1.38	1.45
25	A	757	CLA	C4B-NB	3.60	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	784	CLA	C4B-NB	3.59	1.38	1.35
25	A	763	CLA	C4B-NB	3.58	1.38	1.35
25	B	778	CLA	C4B-NB	3.58	1.38	1.35
25	k	610	CLA	C4B-NB	3.58	1.38	1.35
25	A	794	CLA	C4B-NB	3.57	1.38	1.35
25	B	759	CLA	C4B-NB	3.55	1.38	1.35
30	j	200	SQD	O47-C45	-3.55	1.37	1.46
25	c	602	CLA	C4B-NB	3.55	1.38	1.35
35	d	606	CHL	C4B-NB	3.53	1.38	1.35
25	A	768	CLA	C4B-NB	3.52	1.38	1.35
35	c	607	CHL	C4B-NB	3.51	1.38	1.35
35	d	605	CHL	C3B-C2B	-3.50	1.35	1.40
25	B	745	CLA	C4B-NB	3.50	1.38	1.35
31	e	623	DD6	C2-C1	3.50	1.40	1.35
25	A	761	CLA	C4B-NB	3.50	1.38	1.35
25	h	610	CLA	C4B-NB	3.49	1.38	1.35
30	g	190	SQD	O47-C45	-3.47	1.37	1.46
31	c	620	DD6	O1-C20	-3.47	1.41	1.46
31	c	624	DD6	C10-C11	3.47	1.40	1.35
35	d	607	CHL	C4B-NB	3.46	1.38	1.35
25	A	807	CLA	C4B-NB	3.46	1.38	1.35
30	A	795	SQD	O47-C45	-3.46	1.37	1.46
25	A	774	CLA	C4B-NB	3.46	1.38	1.35
29	A	792	BCR	C10-C9	3.45	1.40	1.35
25	B	738	CLA	C4B-NB	3.45	1.38	1.35
35	e	606	CHL	C4B-NB	3.45	1.38	1.35
25	j	602	CLA	C4B-NB	3.44	1.38	1.35
30	c	245	SQD	O47-C45	-3.44	1.38	1.46
25	B	739	CLA	C4B-NB	3.44	1.38	1.35
35	d	607	CHL	C3B-C2B	-3.43	1.35	1.40
25	n	602	CLA	CHC-C1C	3.43	1.43	1.35
29	B	766	BCR	C8-C9	-3.43	1.38	1.45
25	n	608	CLA	CHC-C1C	3.42	1.43	1.35
35	e	606	CHL	O2D-CGD	3.42	1.41	1.33
25	o	614	CLA	CHC-C1C	3.42	1.43	1.35
25	A	753	CLA	C4B-NB	3.41	1.38	1.35
31	e	621	DD6	O1-C20	-3.41	1.41	1.46
25	p	612	CLA	CHC-C1C	3.41	1.43	1.35
35	c	607	CHL	C3B-C2B	-3.41	1.35	1.40
31	J	4002	DD6	O1-C20	-3.41	1.41	1.46
25	B	781	CLA	CHC-C1C	3.41	1.43	1.35
25	B	742	CLA	C3B-C2B	-3.40	1.35	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	g	190	SQD	O5-C1	3.40	1.50	1.41
25	e	604	CLA	C3B-C2B	-3.40	1.35	1.40
25	p	604	CLA	CHC-C1C	3.40	1.43	1.35
25	B	782	CLA	C4B-NB	3.39	1.38	1.35
35	c	607	CHL	O2D-CGD	3.39	1.41	1.33
25	A	769	CLA	C3B-C2B	-3.39	1.35	1.40
35	d	605	CHL	O2D-CGD	3.38	1.41	1.33
30	A	795	SQD	O5-C1	3.38	1.50	1.41
25	d	604	CLA	C3B-C2B	-3.37	1.35	1.40
25	B	737	CLA	C4B-NB	3.37	1.38	1.35
25	c	604	CLA	C3B-C2B	-3.36	1.35	1.40
35	d	607	CHL	O2D-CGD	3.36	1.41	1.33
25	i	602	CLA	CHC-C1C	3.36	1.43	1.35
35	d	608	CHL	C3B-C2B	-3.35	1.35	1.40
31	j	620	DD6	O1-C20	-3.35	1.41	1.46
35	d	606	CHL	O2D-CGD	3.35	1.41	1.33
29	B	765	BCR	C23-C22	-3.35	1.38	1.45
31	a	621	DD6	O1-C20	-3.35	1.41	1.46
25	B	773	CLA	C3B-C2B	-3.35	1.35	1.40
31	F	4002	DD6	C2-C1	3.35	1.40	1.35
25	B	743	CLA	CHC-C1C	3.34	1.43	1.35
25	n	610	CLA	CHC-C1C	3.34	1.43	1.35
25	g	602	CLA	CHC-C1C	3.34	1.43	1.35
25	B	757	CLA	CHC-C1C	3.33	1.43	1.35
30	c	245	SQD	O47-C7	3.33	1.43	1.34
35	d	608	CHL	O2A-CGA	3.33	1.41	1.30
25	e	614	CLA	CHC-C1C	3.33	1.43	1.35
25	f	610	CLA	CHC-C1C	3.33	1.43	1.35
25	p	601	CLA	CHC-C1C	3.32	1.43	1.35
31	i	620	DD6	O1-C20	-3.32	1.41	1.46
25	m	602	CLA	CHC-C1C	3.32	1.43	1.35
25	A	760	CLA	C4B-NB	3.32	1.38	1.35
25	f	602	CLA	CHC-C1C	3.32	1.43	1.35
35	e	606	CHL	O2A-CGA	3.32	1.41	1.30
25	f	604	CLA	CHC-C1C	3.32	1.43	1.35
25	B	746	CLA	CHC-C1C	3.32	1.43	1.35
25	n	613	CLA	CHC-C1C	3.31	1.43	1.35
25	B	773	CLA	CHC-C1C	3.31	1.43	1.35
35	d	608	CHL	O2D-CGD	3.31	1.41	1.33
29	A	788	BCR	C8-C9	-3.31	1.38	1.45
25	B	775	CLA	CHC-C1C	3.31	1.43	1.35
25	A	777	CLA	C3B-C2B	-3.31	1.35	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	774	CLA	C3B-C2B	-3.31	1.35	1.40
25	A	755	CLA	CHC-C1C	3.31	1.43	1.35
31	m	621	DD6	O1-C20	-3.31	1.41	1.46
29	A	788	BCR	C10-C9	3.31	1.40	1.35
25	B	744	CLA	CHC-C1C	3.30	1.43	1.35
25	f	608	CLA	CHC-C1C	3.30	1.43	1.35
30	A	795	SQD	O47-C7	3.30	1.43	1.34
35	d	608	CHL	C4B-NB	3.30	1.38	1.35
25	A	753	CLA	CHC-C1C	3.30	1.43	1.35
31	k	620	DD6	O1-C20	-3.30	1.41	1.46
25	o	603	CLA	C3B-C2B	-3.30	1.35	1.40
25	c	619	CLA	CHC-C1C	3.30	1.43	1.35
25	A	781	CLA	CHC-C1C	3.29	1.43	1.35
25	A	807	CLA	CHC-C1C	3.29	1.43	1.35
31	j	621	DD6	O1-C20	-3.29	1.41	1.46
25	n	603	CLA	CHC-C1C	3.29	1.43	1.35
25	l	602	CLA	CHC-C1C	3.29	1.43	1.35
25	e	608	CLA	CHC-C1C	3.29	1.43	1.35
35	d	606	CHL	O2A-CGA	3.29	1.41	1.30
29	B	765	BCR	C8-C9	-3.29	1.38	1.45
25	A	791	CLA	CHC-C1C	3.29	1.43	1.35
25	o	610	CLA	CHC-C1C	3.29	1.43	1.35
25	l	617	CLA	CHC-C1C	3.29	1.43	1.35
25	A	781	CLA	C3B-C2B	-3.29	1.35	1.40
25	A	799	CLA	CHC-C1C	3.29	1.43	1.35
25	n	612	CLA	CHC-C1C	3.28	1.43	1.35
25	o	604	CLA	CHC-C1C	3.28	1.43	1.35
25	B	779	CLA	CHC-C1C	3.28	1.43	1.35
25	B	784	CLA	CHC-C1C	3.28	1.43	1.35
25	h	610	CLA	CHC-C1C	3.28	1.43	1.35
25	B	748	CLA	C3B-C2B	-3.28	1.35	1.40
25	h	603	CLA	CHC-C1C	3.28	1.43	1.35
25	l	610	CLA	CHC-C1C	3.28	1.43	1.35
25	g	608	CLA	CHC-C1C	3.28	1.43	1.35
25	o	612	CLA	CHC-C1C	3.28	1.43	1.35
25	f	609	CLA	CHC-C1C	3.27	1.43	1.35
25	l	611	CLA	CHC-C1C	3.27	1.43	1.35
25	b	604	CLA	CHC-C1C	3.27	1.43	1.35
25	h	608	CLA	CHC-C1C	3.27	1.43	1.35
25	p	602	CLA	CHC-C1C	3.27	1.43	1.35
25	A	802	CLA	CHC-C1C	3.27	1.43	1.35
25	B	739	CLA	CHC-C1C	3.27	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	j	603	CLA	C3B-C2B	-3.27	1.35	1.40
25	l	604	CLA	CHC-C1C	3.27	1.43	1.35
25	A	776	CLA	C3B-C2B	-3.27	1.35	1.40
25	A	752	CLA	C3B-C2B	-3.27	1.35	1.40
25	A	797	CLA	CHC-C1C	3.26	1.43	1.35
29	B	765	BCR	C10-C9	3.26	1.40	1.35
31	c	621	DD6	O1-C20	-3.26	1.41	1.46
25	A	798	CLA	CHC-C1C	3.26	1.43	1.35
25	j	602	CLA	CHC-C1C	3.26	1.43	1.35
25	f	614	CLA	CHC-C1C	3.26	1.43	1.35
25	g	609	CLA	CHC-C1C	3.26	1.43	1.35
31	c	624	DD6	C5-C6	3.26	1.40	1.35
25	i	610	CLA	CHC-C1C	3.26	1.43	1.35
25	d	601	CLA	CHC-C1C	3.26	1.43	1.35
25	k	602	CLA	CHC-C1C	3.26	1.43	1.35
25	a	613	CLA	CHC-C1C	3.25	1.43	1.35
25	A	759	CLA	CHC-C1C	3.25	1.43	1.35
25	j	613	CLA	CHC-C1C	3.25	1.43	1.35
25	A	780	CLA	C3B-C2B	-3.25	1.35	1.40
25	B	777	CLA	CHC-C1C	3.25	1.43	1.35
25	B	780	CLA	CHC-C1C	3.25	1.43	1.35
25	a	610	CLA	CHC-C1C	3.25	1.43	1.35
25	m	604	CLA	CHC-C1C	3.25	1.43	1.35
25	d	612	CLA	CHC-C1C	3.25	1.43	1.35
25	A	805	CLA	CHC-C1C	3.25	1.43	1.35
25	p	603	CLA	CHC-C1C	3.25	1.43	1.35
25	B	753	CLA	CHC-C1C	3.25	1.43	1.35
25	B	753	CLA	C3B-C2B	-3.25	1.35	1.40
25	n	604	CLA	CHC-C1C	3.24	1.43	1.35
25	j	608	CLA	CHC-C1C	3.24	1.43	1.35
25	c	612	CLA	CHC-C1C	3.24	1.43	1.35
25	B	737	CLA	CHC-C1C	3.24	1.43	1.35
25	g	610	CLA	CHC-C1C	3.24	1.43	1.35
25	A	782	CLA	CHC-C1C	3.24	1.43	1.35
25	p	609	CLA	CHC-C1C	3.24	1.43	1.35
25	A	760	CLA	CHC-C1C	3.24	1.43	1.35
25	B	760	CLA	C3B-C2B	-3.24	1.35	1.40
25	b	612	CLA	CHC-C1C	3.24	1.43	1.35
25	e	602	CLA	CHC-C1C	3.24	1.43	1.35
25	a	602	CLA	CHC-C1C	3.24	1.43	1.35
25	l	613	CLA	CHC-C1C	3.24	1.43	1.35
25	e	605	CLA	CHC-C1C	3.23	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	g	190	SQD	O47-C7	3.23	1.43	1.34
25	o	601	CLA	CHC-C1C	3.23	1.43	1.35
25	h	612	CLA	CHC-C1C	3.23	1.43	1.35
25	f	601	CLA	CHC-C1C	3.23	1.43	1.35
25	g	612	CLA	CHC-C1C	3.23	1.43	1.35
25	b	613	CLA	CHC-C1C	3.23	1.43	1.35
25	l	601	CLA	CHC-C1C	3.23	1.43	1.35
25	k	601	CLA	CHC-C1C	3.23	1.43	1.35
25	g	618	CLA	CHC-C1C	3.23	1.43	1.35
25	A	762	CLA	C3B-C2B	-3.23	1.35	1.40
25	a	619	CLA	CHC-C1C	3.23	1.43	1.35
25	h	604	CLA	CHC-C1C	3.23	1.43	1.35
31	l	621	DD6	O1-C20	-3.23	1.41	1.46
25	A	794	CLA	CHC-C1C	3.23	1.43	1.35
25	n	607	CLA	CHC-C1C	3.22	1.43	1.35
25	A	764	CLA	C3B-C2B	-3.22	1.35	1.40
25	k	612	CLA	CHC-C1C	3.22	1.43	1.35
25	g	614	CLA	C3B-C2B	-3.22	1.35	1.40
25	A	773	CLA	CHC-C1C	3.22	1.43	1.35
25	B	752	CLA	C3B-C2B	-3.22	1.35	1.40
25	i	613	CLA	CHC-C1C	3.22	1.43	1.35
25	o	609	CLA	CHC-C1C	3.22	1.43	1.35
25	A	800	CLA	C3B-C2B	-3.22	1.35	1.40
25	m	610	CLA	CHC-C1C	3.22	1.43	1.35
25	c	609	CLA	CHC-C1C	3.22	1.43	1.35
25	b	602	CLA	CHC-C1C	3.22	1.43	1.35
25	g	604	CLA	CHC-C1C	3.22	1.43	1.35
25	B	785	CLA	C3B-C2B	-3.22	1.35	1.40
25	c	606	CLA	CHC-C1C	3.22	1.43	1.35
25	B	746	CLA	C3B-C2B	-3.22	1.35	1.40
30	c	245	SQD	O5-C1	3.22	1.50	1.41
25	a	611	CLA	CHC-C1C	3.22	1.43	1.35
25	e	612	CLA	CHC-C1C	3.22	1.43	1.35
25	B	771	CLA	C3B-C2B	-3.22	1.35	1.40
25	A	783	CLA	CHC-C1C	3.22	1.43	1.35
25	o	602	CLA	CHC-C1C	3.22	1.43	1.35
25	g	611	CLA	CHC-C1C	3.21	1.43	1.35
25	h	601	CLA	C3B-C2B	-3.21	1.35	1.40
25	g	603	CLA	C3B-C2B	-3.21	1.35	1.40
31	h	620	DD6	O1-C20	-3.21	1.41	1.46
25	b	610	CLA	CHC-C1C	3.21	1.43	1.35
25	d	614	CLA	CHC-C1C	3.21	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	h	613	CLA	CHC-C1C	3.21	1.43	1.35
25	g	615	CLA	CHC-C1C	3.21	1.43	1.35
25	A	806	CLA	CHC-C1C	3.21	1.43	1.35
25	m	613	CLA	CHC-C1C	3.21	1.43	1.35
25	g	613	CLA	CHC-C1C	3.21	1.43	1.35
25	A	771	CLA	C3B-C2B	-3.21	1.35	1.40
25	i	612	CLA	CHC-C1C	3.21	1.43	1.35
25	B	751	CLA	CHC-C1C	3.21	1.43	1.35
25	a	601	CLA	CHC-C1C	3.21	1.43	1.35
25	p	613	CLA	CHC-C1C	3.21	1.43	1.35
25	e	603	CLA	C3B-C2B	-3.21	1.35	1.40
25	e	611	CLA	CHC-C1C	3.21	1.43	1.35
25	i	611	CLA	CHC-C1C	3.21	1.43	1.35
25	B	776	CLA	CHC-C1C	3.21	1.43	1.35
25	d	609	CLA	CHC-C1C	3.21	1.43	1.35
25	f	613	CLA	CHC-C1C	3.21	1.43	1.35
25	A	801	CLA	CHC-C1C	3.21	1.43	1.35
25	l	612	CLA	CHC-C1C	3.21	1.43	1.35
25	m	612	CLA	CHC-C1C	3.21	1.43	1.35
25	A	761	CLA	CHC-C1C	3.21	1.43	1.35
25	b	601	CLA	CHC-C1C	3.21	1.43	1.35
25	j	604	CLA	CHC-C1C	3.21	1.43	1.35
25	f	611	CLA	CHC-C1C	3.20	1.43	1.35
25	B	783	CLA	C3B-C2B	-3.20	1.35	1.40
25	B	738	CLA	CHC-C1C	3.20	1.43	1.35
25	k	610	CLA	CHC-C1C	3.20	1.43	1.35
25	B	750	CLA	CHC-C1C	3.20	1.43	1.35
25	h	601	CLA	CHC-C1C	3.20	1.43	1.35
31	g	620	DD6	O1-C20	-3.20	1.41	1.46
25	k	611	CLA	CHC-C1C	3.20	1.43	1.35
25	o	613	CLA	CHC-C1C	3.20	1.43	1.35
25	h	612	CLA	C3B-C2B	-3.20	1.35	1.40
25	i	608	CLA	CHC-C1C	3.20	1.43	1.35
25	l	608	CLA	CHC-C1C	3.20	1.43	1.35
25	B	749	CLA	CHC-C1C	3.20	1.43	1.35
31	i	621	DD6	O1-C20	-3.20	1.41	1.46
25	A	766	CLA	C4B-NB	3.19	1.38	1.35
25	c	611	CLA	CHC-C1C	3.19	1.43	1.35
25	B	751	CLA	C3B-C2B	-3.19	1.35	1.40
25	A	762	CLA	CHC-C1C	3.19	1.43	1.35
25	e	607	CLA	CHC-C1C	3.19	1.43	1.35
25	e	608	CLA	C3B-C2B	-3.19	1.35	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	776	CLA	CHC-C1C	3.19	1.43	1.35
25	b	611	CLA	CHC-C1C	3.19	1.43	1.35
25	c	616	CLA	CHC-C1C	3.19	1.43	1.35
25	j	601	CLA	CHC-C1C	3.19	1.43	1.35
25	d	611	CLA	CHC-C1C	3.19	1.43	1.35
25	m	611	CLA	CHC-C1C	3.19	1.43	1.35
25	b	603	CLA	CHC-C1C	3.19	1.43	1.35
25	A	763	CLA	CHC-C1C	3.19	1.43	1.35
29	A	792	BCR	C8-C9	-3.19	1.39	1.45
25	B	776	CLA	C3B-C2B	-3.19	1.35	1.40
25	c	614	CLA	CHC-C1C	3.19	1.43	1.35
25	d	609	CLA	C3B-C2B	-3.18	1.35	1.40
25	d	610	CLA	CHC-C1C	3.18	1.43	1.35
25	k	615	CLA	CHC-C1C	3.18	1.43	1.35
25	a	612	CLA	CHC-C1C	3.18	1.43	1.35
25	h	614	CLA	C3B-C2B	-3.18	1.36	1.40
31	d	620	DD6	O1-C20	-3.18	1.41	1.46
25	B	783	CLA	CHC-C1C	3.18	1.43	1.35
25	e	613	CLA	CHC-C1C	3.18	1.43	1.35
25	A	803	CLA	CHC-C1C	3.18	1.43	1.35
25	d	602	CLA	CHC-C1C	3.18	1.43	1.35
25	c	608	CLA	CHC-C1C	3.18	1.43	1.35
25	h	611	CLA	CHC-C1C	3.18	1.43	1.35
25	f	615	CLA	CHC-C1C	3.18	1.43	1.35
25	B	745	CLA	C3B-C2B	-3.18	1.36	1.40
25	c	601	CLA	CHC-C1C	3.18	1.43	1.35
25	i	604	CLA	CHC-C1C	3.18	1.43	1.35
25	B	774	CLA	CHC-C1C	3.18	1.43	1.35
25	A	768	CLA	C3B-C2B	-3.18	1.36	1.40
25	k	604	CLA	CHC-C1C	3.18	1.43	1.35
25	B	772	CLA	CHC-C1C	3.18	1.43	1.35
25	p	610	CLA	CHC-C1C	3.17	1.43	1.35
25	a	603	CLA	CHC-C1C	3.17	1.43	1.35
25	A	765	CLA	C3B-C2B	-3.17	1.36	1.40
25	h	618	CLA	CHC-C1C	3.17	1.43	1.35
25	n	609	CLA	CHC-C1C	3.17	1.43	1.35
35	d	606	CHL	C3B-C2B	-3.17	1.36	1.40
29	B	765	BCR	C14-C13	3.17	1.40	1.35
25	n	605	CLA	CHC-C1C	3.17	1.43	1.35
25	A	797	CLA	C3B-C2B	-3.17	1.36	1.40
35	e	606	CHL	C3B-C2B	-3.17	1.36	1.40
25	B	745	CLA	CHC-C1C	3.17	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	772	CLA	CHC-C1C	3.17	1.43	1.35
25	e	603	CLA	CHC-C1C	3.17	1.43	1.35
31	n	621	DD6	C5-C6	3.17	1.40	1.35
25	B	768	CLA	CHC-C1C	3.17	1.43	1.35
25	a	603	CLA	C3B-C2B	-3.17	1.36	1.40
25	B	755	CLA	CHC-C1C	3.17	1.43	1.35
25	a	604	CLA	CHC-C1C	3.17	1.43	1.35
25	l	614	CLA	CHC-C1C	3.17	1.43	1.35
25	o	603	CLA	CHC-C1C	3.17	1.43	1.35
25	J	101	CLA	C3B-C2B	-3.17	1.36	1.40
31	F	4002	DD6	C10-C11	3.16	1.40	1.35
25	A	793	CLA	CHC-C1C	3.16	1.43	1.35
25	A	777	CLA	CHC-C1C	3.16	1.43	1.35
25	b	608	CLA	CHC-C1C	3.16	1.43	1.35
25	B	736	CLA	C3B-C2B	-3.16	1.36	1.40
25	e	613	CLA	C3B-C2B	-3.16	1.36	1.40
30	j	200	SQD	O47-C7	3.16	1.43	1.34
25	j	618	CLA	CHC-C1C	3.16	1.43	1.35
25	A	755	CLA	C3B-C2B	-3.16	1.36	1.40
25	k	609	CLA	CHC-C1C	3.16	1.43	1.35
25	B	779	CLA	C3B-C2B	-3.16	1.36	1.40
25	e	607	CLA	C3B-C2B	-3.16	1.36	1.40
31	l	620	DD6	O1-C20	-3.16	1.41	1.46
25	m	608	CLA	CHC-C1C	3.16	1.43	1.35
25	e	612	CLA	C3B-C2B	-3.16	1.36	1.40
25	i	614	CLA	C3B-C2B	-3.16	1.36	1.40
25	B	770	CLA	CHC-C1C	3.16	1.43	1.35
25	h	608	CLA	C3B-C2B	-3.16	1.36	1.40
25	p	610	CLA	C3B-C2B	-3.16	1.36	1.40
25	i	601	CLA	CHC-C1C	3.16	1.43	1.35
25	k	608	CLA	CHC-C1C	3.16	1.43	1.35
25	B	740	CLA	CHC-C1C	3.16	1.43	1.35
25	e	604	CLA	CHC-C1C	3.16	1.43	1.35
25	B	739	CLA	C3B-C2B	-3.15	1.36	1.40
25	c	616	CLA	C3B-C2B	-3.15	1.36	1.40
25	g	613	CLA	C3B-C2B	-3.15	1.36	1.40
25	a	609	CLA	CHC-C1C	3.15	1.43	1.35
25	m	603	CLA	C3B-C2B	-3.15	1.36	1.40
25	e	601	CLA	CHC-C1C	3.15	1.43	1.35
25	A	757	CLA	CHC-C1C	3.15	1.43	1.35
25	c	610	CLA	CHC-C1C	3.15	1.43	1.35
25	A	768	CLA	CHC-C1C	3.15	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	748	CLA	CHC-C1C	3.15	1.43	1.35
25	m	609	CLA	CHC-C1C	3.15	1.43	1.35
25	o	608	CLA	CHC-C1C	3.15	1.43	1.35
25	c	614	CLA	C3B-C2B	-3.15	1.36	1.40
29	B	765	BCR	C21-C22	3.15	1.40	1.35
25	c	602	CLA	CHC-C1C	3.15	1.43	1.35
25	B	741	CLA	C3B-C2B	-3.15	1.36	1.40
25	B	752	CLA	CHC-C1C	3.15	1.43	1.35
25	h	614	CLA	CHC-C1C	3.15	1.43	1.35
25	A	769	CLA	CHC-C1C	3.15	1.43	1.35
25	j	611	CLA	CHC-C1C	3.15	1.43	1.35
25	a	608	CLA	CHC-C1C	3.15	1.43	1.35
25	A	784	CLA	CHC-C1C	3.15	1.43	1.35
25	j	608	CLA	C3B-C2B	-3.14	1.36	1.40
25	A	764	CLA	CHC-C1C	3.14	1.43	1.35
25	A	784	CLA	C3B-C2B	-3.14	1.36	1.40
25	i	609	CLA	CHC-C1C	3.14	1.43	1.35
25	f	603	CLA	CHC-C1C	3.14	1.43	1.35
25	k	613	CLA	CHC-C1C	3.14	1.43	1.35
25	h	604	CLA	C3B-C2B	-3.14	1.36	1.40
25	i	613	CLA	C3B-C2B	-3.14	1.36	1.40
25	i	614	CLA	CHC-C1C	3.14	1.43	1.35
25	A	782	CLA	C3B-C2B	-3.14	1.36	1.40
25	k	614	CLA	CHC-C1C	3.14	1.43	1.35
25	d	613	CLA	CHC-C1C	3.14	1.43	1.35
25	h	615	CLA	CHC-C1C	3.14	1.43	1.35
31	c	624	DD6	C2-C1	3.14	1.39	1.35
25	k	613	CLA	C3B-C2B	-3.14	1.36	1.40
25	A	758	CLA	CHC-C1C	3.14	1.43	1.35
25	h	602	CLA	CHC-C1C	3.14	1.43	1.35
25	e	610	CLA	CHC-C1C	3.14	1.43	1.35
25	A	779	CLA	CHC-C1C	3.14	1.43	1.35
25	g	614	CLA	CHC-C1C	3.14	1.43	1.35
25	k	603	CLA	CHC-C1C	3.14	1.43	1.35
25	B	747	CLA	CHC-C1C	3.14	1.43	1.35
25	B	756	CLA	CHC-C1C	3.14	1.43	1.35
25	A	799	CLA	C3B-C2B	-3.14	1.36	1.40
25	b	605	CLA	CHC-C1C	3.13	1.43	1.35
25	i	612	CLA	C3B-C2B	-3.13	1.36	1.40
25	B	744	CLA	C3B-C2B	-3.13	1.36	1.40
31	h	621	DD6	O1-C20	-3.13	1.41	1.46
25	k	618	CLA	CHC-C1C	3.13	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	778	CLA	C3B-C2B	-3.13	1.36	1.40
25	A	765	CLA	CHC-C1C	3.13	1.43	1.35
25	B	759	CLA	CHC-C1C	3.13	1.43	1.35
25	B	782	CLA	CHC-C1C	3.13	1.43	1.35
25	B	771	CLA	CHC-C1C	3.13	1.43	1.35
25	c	612	CLA	C3B-C2B	-3.13	1.36	1.40
25	k	603	CLA	C3B-C2B	-3.13	1.36	1.40
25	p	608	CLA	CHC-C1C	3.13	1.43	1.35
25	A	774	CLA	CHC-C1C	3.12	1.43	1.35
25	A	753	CLA	C1D-ND	-3.12	1.33	1.37
25	h	613	CLA	C3B-C2B	-3.12	1.36	1.40
25	b	609	CLA	CHC-C1C	3.12	1.43	1.35
25	c	613	CLA	CHC-C1C	3.12	1.43	1.35
25	A	752	CLA	CHC-C1C	3.12	1.43	1.35
25	j	609	CLA	CHC-C1C	3.12	1.43	1.35
25	j	610	CLA	CHC-C1C	3.12	1.43	1.35
25	d	611	CLA	C3B-C2B	-3.12	1.36	1.40
25	j	610	CLA	C3B-C2B	-3.12	1.36	1.40
25	B	758	CLA	CHC-C1C	3.12	1.43	1.35
25	p	609	CLA	C3B-C2B	-3.11	1.36	1.40
25	m	603	CLA	CHC-C1C	3.11	1.42	1.35
25	l	609	CLA	CHC-C1C	3.11	1.42	1.35
25	A	803	CLA	C3B-C2B	-3.11	1.36	1.40
25	l	610	CLA	C3B-C2B	-3.11	1.36	1.40
25	A	770	CLA	CHC-C1C	3.11	1.42	1.35
25	a	604	CLA	C3B-C2B	-3.11	1.36	1.40
25	d	604	CLA	CHC-C1C	3.11	1.42	1.35
25	j	615	CLA	CHC-C1C	3.11	1.42	1.35
25	c	604	CLA	CHC-C1C	3.11	1.42	1.35
25	k	604	CLA	C3B-C2B	-3.10	1.36	1.40
25	l	603	CLA	CHC-C1C	3.10	1.42	1.35
25	n	606	CLA	CHC-C1C	3.10	1.42	1.35
25	c	609	CLA	C3B-C2B	-3.10	1.36	1.40
25	l	614	CLA	C3B-C2B	-3.10	1.36	1.40
28	B	761	PQN	C2M-C2	-3.10	1.44	1.50
25	B	759	CLA	C3B-C2B	-3.10	1.36	1.40
25	j	613	CLA	C3B-C2B	-3.10	1.36	1.40
25	A	778	CLA	CHC-C1C	3.10	1.42	1.35
25	i	615	CLA	CHC-C1C	3.10	1.42	1.35
25	f	612	CLA	C3B-C2B	-3.10	1.36	1.40
25	j	614	CLA	CHC-C1C	3.10	1.42	1.35
25	A	780	CLA	CHC-C1C	3.10	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	j	603	CLA	CHC-C1C	3.09	1.42	1.35
25	e	609	CLA	CHC-C1C	3.09	1.42	1.35
25	l	609	CLA	C3B-C2B	-3.09	1.36	1.40
25	l	612	CLA	C3B-C2B	-3.09	1.36	1.40
25	A	807	CLA	C3B-C2B	-3.09	1.36	1.40
25	j	604	CLA	C3B-C2B	-3.09	1.36	1.40
25	A	775	CLA	CHC-C1C	3.09	1.42	1.35
25	b	613	CLA	C3B-C2B	-3.09	1.36	1.40
25	B	736	CLA	CHC-C1C	3.09	1.42	1.35
25	B	742	CLA	CHC-C1C	3.09	1.42	1.35
25	j	609	CLA	C3B-C2B	-3.09	1.36	1.40
25	A	808	CLA	CHC-C1C	3.09	1.42	1.35
25	A	802	CLA	C3B-C2B	-3.08	1.36	1.40
25	k	608	CLA	C3B-C2B	-3.08	1.36	1.40
25	k	612	CLA	C3B-C2B	-3.08	1.36	1.40
25	h	609	CLA	CHC-C1C	3.08	1.42	1.35
25	i	615	CLA	C3B-C2B	-3.08	1.36	1.40
31	n	621	DD6	C10-C11	3.08	1.39	1.35
25	B	778	CLA	CHC-C1C	3.08	1.42	1.35
25	b	609	CLA	C3B-C2B	-3.08	1.36	1.40
25	d	603	CLA	CHC-C1C	3.08	1.42	1.35
31	F	4002	DD6	C24-C1	-3.08	1.39	1.45
25	c	603	CLA	C3B-C2B	-3.08	1.36	1.40
25	j	612	CLA	CHC-C1C	3.08	1.42	1.35
25	B	754	CLA	CHC-C1C	3.08	1.42	1.35
25	f	603	CLA	C3B-C2B	-3.08	1.36	1.40
25	o	604	CLA	C3B-C2B	-3.08	1.36	1.40
25	A	766	CLA	CHC-C1C	3.08	1.42	1.35
29	B	766	BCR	C10-C9	3.07	1.39	1.35
25	b	612	CLA	C3B-C2B	-3.07	1.36	1.40
25	B	780	CLA	C3B-C2B	-3.07	1.36	1.40
25	a	613	CLA	C3B-C2B	-3.07	1.36	1.40
25	A	780	CLA	C1D-ND	-3.07	1.34	1.37
25	A	763	CLA	C3B-C2B	-3.07	1.36	1.40
25	a	601	CLA	C3B-C2B	-3.07	1.36	1.40
25	B	737	CLA	C1D-ND	-3.07	1.34	1.37
25	l	603	CLA	C3B-C2B	-3.07	1.36	1.40
25	d	612	CLA	C3B-C2B	-3.07	1.36	1.40
31	n	621	DD6	C2-C1	3.07	1.39	1.35
29	A	792	BCR	C23-C22	-3.07	1.39	1.45
25	B	781	CLA	C3B-C2B	-3.07	1.36	1.40
25	A	793	CLA	C3B-C2B	-3.06	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	a	612	CLA	C3B-C2B	-3.06	1.36	1.40
25	o	601	CLA	C3B-C2B	-3.06	1.36	1.40
25	c	606	CLA	C3B-C2B	-3.06	1.36	1.40
25	B	768	CLA	C3B-C2B	-3.06	1.36	1.40
25	h	609	CLA	C3B-C2B	-3.06	1.36	1.40
25	l	613	CLA	C3B-C2B	-3.06	1.36	1.40
25	m	602	CLA	C3B-C2B	-3.06	1.36	1.40
25	B	741	CLA	CHC-C1C	3.06	1.42	1.35
25	c	608	CLA	C3B-C2B	-3.06	1.36	1.40
25	g	615	CLA	C3B-C2B	-3.06	1.36	1.40
25	m	609	CLA	C3B-C2B	-3.06	1.36	1.40
25	e	605	CLA	C3B-C2B	-3.06	1.36	1.40
25	f	612	CLA	CHC-C1C	3.05	1.42	1.35
25	B	785	CLA	CHC-C1C	3.05	1.42	1.35
25	A	791	CLA	C3B-C2B	-3.05	1.36	1.40
25	B	754	CLA	C3B-C2B	-3.05	1.36	1.40
25	n	607	CLA	C3B-C2B	-3.05	1.36	1.40
25	n	604	CLA	C3B-C2B	-3.05	1.36	1.40
29	A	788	BCR	C14-C13	3.05	1.39	1.35
25	c	603	CLA	CHC-C1C	3.05	1.42	1.35
25	A	798	CLA	C1D-ND	-3.05	1.34	1.37
31	b	621	DD6	O1-C20	-3.05	1.41	1.46
25	k	609	CLA	C3B-C2B	-3.05	1.36	1.40
25	g	601	CLA	CHC-C1C	3.05	1.42	1.35
25	c	619	CLA	C3B-C2B	-3.04	1.36	1.40
25	o	610	CLA	C3B-C2B	-3.04	1.36	1.40
31	a	620	DD6	O1-C20	-3.04	1.41	1.46
31	F	4002	DD6	C25-C26	-3.04	1.34	1.43
25	J	101	CLA	CHC-C1C	3.04	1.42	1.35
25	l	602	CLA	C3B-C2B	-3.04	1.36	1.40
25	l	604	CLA	C3B-C2B	-3.04	1.36	1.40
25	g	608	CLA	C3B-C2B	-3.04	1.36	1.40
25	c	613	CLA	C3B-C2B	-3.04	1.36	1.40
25	g	612	CLA	C3B-C2B	-3.04	1.36	1.40
25	e	611	CLA	C3B-C2B	-3.03	1.36	1.40
25	A	806	CLA	C3B-C2B	-3.03	1.36	1.40
25	b	603	CLA	C3B-C2B	-3.03	1.36	1.40
25	b	611	CLA	C3B-C2B	-3.03	1.36	1.40
25	l	601	CLA	C3B-C2B	-3.03	1.36	1.40
25	A	804	CLA	CHC-C1C	3.03	1.42	1.35
25	g	604	CLA	C3B-C2B	-3.03	1.36	1.40
25	m	612	CLA	C3B-C2B	-3.03	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	a	611	CLA	C3B-C2B	-3.03	1.36	1.40
25	h	603	CLA	C3B-C2B	-3.03	1.36	1.40
25	i	602	CLA	C3B-C2B	-3.03	1.36	1.40
25	i	604	CLA	C3B-C2B	-3.03	1.36	1.40
25	A	800	CLA	CHC-C1C	3.03	1.42	1.35
25	A	775	CLA	C3B-C2B	-3.02	1.36	1.40
25	B	770	CLA	C3B-C2B	-3.02	1.36	1.40
30	j	200	SQD	C24-C23	3.02	1.59	1.50
25	i	608	CLA	C3B-C2B	-3.02	1.36	1.40
25	A	767	CLA	CHC-C1C	3.02	1.42	1.35
35	d	608	CHL	MG-NA	3.02	2.13	2.06
30	c	245	SQD	C24-C23	3.02	1.59	1.50
31	e	620	DD6	C24-C1	-3.02	1.39	1.45
25	A	783	CLA	C3B-C2B	-3.02	1.36	1.40
31	g	621	DD6	O1-C20	-3.02	1.41	1.46
25	A	791	CLA	C1D-ND	-3.02	1.34	1.37
25	m	601	CLA	C3B-C2B	-3.02	1.36	1.40
25	j	618	CLA	C3B-C2B	-3.01	1.36	1.40
25	d	601	CLA	C3B-C2B	-3.01	1.36	1.40
25	A	771	CLA	CHC-C1C	3.01	1.42	1.35
25	i	603	CLA	CHC-C1C	3.01	1.42	1.35
29	B	765	BCR	C17-C18	3.01	1.39	1.35
35	d	606	CHL	MG-NA	3.01	2.13	2.06
25	B	758	CLA	C3B-C2B	-3.01	1.36	1.40
25	b	601	CLA	C3B-C2B	-3.01	1.36	1.40
25	e	610	CLA	C3B-C2B	-3.01	1.36	1.40
25	g	611	CLA	C3B-C2B	-3.01	1.36	1.40
25	a	619	CLA	C3B-C2B	-3.01	1.36	1.40
25	B	747	CLA	C3B-C2B	-3.01	1.36	1.40
25	d	613	CLA	C3B-C2B	-3.01	1.36	1.40
25	f	614	CLA	C3B-C2B	-3.01	1.36	1.40
25	k	618	CLA	C3B-C2B	-3.00	1.36	1.40
25	n	606	CLA	C3B-C2B	-3.00	1.36	1.40
25	A	779	CLA	C3B-C2B	-3.00	1.36	1.40
25	m	611	CLA	C3B-C2B	-3.00	1.36	1.40
25	A	759	CLA	C3B-C2B	-3.00	1.36	1.40
25	h	618	CLA	C3B-C2B	-3.00	1.36	1.40
25	B	740	CLA	C3B-C2B	-3.00	1.36	1.40
31	k	621	DD6	O1-C20	-3.00	1.41	1.46
25	A	794	CLA	C3B-C2B	-3.00	1.36	1.40
25	n	605	CLA	C3B-C2B	-3.00	1.36	1.40
25	a	609	CLA	C3B-C2B	-2.99	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	g	602	CLA	C3B-C2B	-2.99	1.36	1.40
30	g	190	SQD	C24-C23	2.99	1.59	1.50
25	k	611	CLA	C3B-C2B	-2.99	1.36	1.40
25	e	601	CLA	C3B-C2B	-2.99	1.36	1.40
25	m	601	CLA	CHC-C1C	2.99	1.42	1.35
31	o	621	DD6	O1-C20	-2.99	1.41	1.46
25	A	801	CLA	C3B-C2B	-2.98	1.36	1.40
25	B	749	CLA	C3B-C2B	-2.98	1.36	1.40
25	B	784	CLA	C3B-C2B	-2.98	1.36	1.40
25	l	611	CLA	C3B-C2B	-2.98	1.36	1.40
28	B	761	PQN	C10-C5	-2.98	1.35	1.40
25	B	757	CLA	C3B-C2B	-2.98	1.36	1.40
25	f	613	CLA	C3B-C2B	-2.98	1.36	1.40
25	B	775	CLA	C3B-C2B	-2.98	1.36	1.40
25	o	612	CLA	C3B-C2B	-2.98	1.36	1.40
31	e	620	DD6	C13-C11	-2.98	1.39	1.45
25	n	603	CLA	C3B-C2B	-2.98	1.36	1.40
25	o	614	CLA	C3B-C2B	-2.97	1.36	1.40
25	c	601	CLA	C3B-C2B	-2.97	1.36	1.40
25	j	610	CLA	C1D-ND	-2.97	1.34	1.37
25	i	611	CLA	C3B-C2B	-2.97	1.36	1.40
25	g	609	CLA	C3B-C2B	-2.97	1.36	1.40
25	c	611	CLA	C3B-C2B	-2.96	1.36	1.40
25	o	613	CLA	C3B-C2B	-2.96	1.36	1.40
25	n	608	CLA	C3B-C2B	-2.96	1.36	1.40
25	d	603	CLA	C3B-C2B	-2.96	1.36	1.40
25	m	610	CLA	C3B-C2B	-2.96	1.36	1.40
25	p	604	CLA	C3B-C2B	-2.96	1.36	1.40
35	c	607	CHL	O2A-CGA	2.96	1.42	1.33
25	A	758	CLA	C3B-C2B	-2.96	1.36	1.40
25	A	783	CLA	C1D-ND	-2.95	1.34	1.37
29	B	765	BCR	C19-C18	-2.95	1.39	1.45
25	l	617	CLA	C3B-C2B	-2.95	1.36	1.40
25	A	758	CLA	C1D-ND	-2.95	1.34	1.37
25	k	614	CLA	C3B-C2B	-2.95	1.36	1.40
29	A	788	BCR	C19-C18	-2.95	1.39	1.45
25	g	603	CLA	CHC-C1C	2.95	1.42	1.35
25	B	743	CLA	C3B-C2B	-2.95	1.36	1.40
25	m	604	CLA	C3B-C2B	-2.95	1.36	1.40
25	A	760	CLA	C3B-C2B	-2.95	1.36	1.40
25	g	601	CLA	C3B-C2B	-2.95	1.36	1.40
29	B	766	BCR	C17-C18	2.94	1.39	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	f	611	CLA	C3B-C2B	-2.94	1.36	1.40
25	o	609	CLA	C3B-C2B	-2.94	1.36	1.40
35	d	605	CHL	MG-NA	2.94	2.13	2.06
25	h	610	CLA	C1D-ND	-2.94	1.34	1.37
25	k	601	CLA	C3B-C2B	-2.94	1.36	1.40
25	o	602	CLA	C3B-C2B	-2.94	1.36	1.40
29	B	766	BCR	C19-C18	-2.94	1.39	1.45
31	e	620	DD6	C10-C11	2.94	1.39	1.35
25	B	756	CLA	C1D-ND	-2.94	1.34	1.37
25	A	761	CLA	C3B-C2B	-2.94	1.36	1.40
30	A	795	SQD	C24-C23	2.94	1.59	1.49
35	d	607	CHL	MG-NA	2.93	2.13	2.06
25	m	613	CLA	C3B-C2B	-2.93	1.36	1.40
25	e	602	CLA	C3B-C2B	-2.93	1.36	1.40
25	j	601	CLA	C3B-C2B	-2.93	1.36	1.40
25	p	613	CLA	C3B-C2B	-2.93	1.36	1.40
25	p	603	CLA	C3B-C2B	-2.93	1.36	1.40
25	j	602	CLA	C3B-C2B	-2.93	1.36	1.40
28	A	785	PQN	C10-C5	-2.92	1.35	1.40
25	A	766	CLA	C3B-C2B	-2.92	1.36	1.40
25	j	611	CLA	C3B-C2B	-2.92	1.36	1.40
25	A	773	CLA	C1D-ND	-2.92	1.34	1.37
25	A	804	CLA	C1D-ND	-2.92	1.34	1.37
25	k	609	CLA	C1D-ND	-2.92	1.34	1.37
25	A	767	CLA	C3B-C2B	-2.92	1.36	1.40
25	B	773	CLA	C1D-ND	-2.92	1.34	1.37
31	e	620	DD6	C8-C6	-2.91	1.39	1.45
25	n	602	CLA	C3B-C2B	-2.91	1.36	1.40
25	n	610	CLA	C3B-C2B	-2.91	1.36	1.40
25	i	602	CLA	C1D-ND	-2.91	1.34	1.37
25	d	614	CLA	C3B-C2B	-2.91	1.36	1.40
25	f	610	CLA	C3B-C2B	-2.91	1.36	1.40
25	a	609	CLA	C1D-ND	-2.91	1.34	1.37
25	f	604	CLA	C3B-C2B	-2.91	1.36	1.40
25	h	615	CLA	C3B-C2B	-2.91	1.36	1.40
25	A	801	CLA	C1D-ND	-2.91	1.34	1.37
35	e	606	CHL	MG-NA	2.91	2.13	2.06
25	b	605	CLA	C3B-C2B	-2.90	1.36	1.40
25	e	613	CLA	C1D-ND	-2.90	1.34	1.37
25	f	608	CLA	C3B-C2B	-2.90	1.36	1.40
25	j	614	CLA	C3B-C2B	-2.90	1.36	1.40
25	B	760	CLA	CHC-C1C	2.90	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	f	609	CLA	C3B-C2B	-2.90	1.36	1.40
25	h	602	CLA	C1D-ND	-2.90	1.34	1.37
25	n	612	CLA	C3B-C2B	-2.90	1.36	1.40
25	h	602	CLA	C3B-C2B	-2.90	1.36	1.40
25	A	797	CLA	C1D-ND	-2.89	1.34	1.37
35	d	605	CHL	O2A-CGA	2.89	1.41	1.33
25	f	602	CLA	C3B-C2B	-2.89	1.36	1.40
25	i	601	CLA	C3B-C2B	-2.89	1.36	1.40
31	A	4008	DD6	O1-C20	-2.88	1.42	1.46
30	j	200	SQD	O5-C1	2.88	1.49	1.41
25	n	613	CLA	C3B-C2B	-2.88	1.36	1.40
25	j	615	CLA	C3B-C2B	-2.88	1.36	1.40
25	A	805	CLA	C1D-ND	-2.88	1.34	1.37
25	B	778	CLA	C3B-C2B	-2.88	1.36	1.40
29	B	766	BCR	C21-C22	2.88	1.39	1.35
31	e	623	DD6	C26-C27	2.88	1.43	1.37
31	d	621	DD6	C19-C20	-2.87	1.48	1.52
31	c	624	DD6	C24-C1	-2.87	1.39	1.45
25	p	612	CLA	C3B-C2B	-2.87	1.36	1.40
25	B	775	CLA	C1D-ND	-2.87	1.34	1.37
25	m	608	CLA	C3B-C2B	-2.87	1.36	1.40
25	j	611	CLA	C1D-ND	-2.87	1.34	1.37
31	n	621	DD6	C24-C1	-2.87	1.39	1.45
25	B	756	CLA	C3B-C2B	-2.87	1.36	1.40
25	i	609	CLA	C3B-C2B	-2.87	1.36	1.40
25	k	615	CLA	C3B-C2B	-2.87	1.36	1.40
25	A	774	CLA	C3B-C2B	-2.87	1.36	1.40
25	p	601	CLA	C3B-C2B	-2.87	1.36	1.40
25	d	602	CLA	C3B-C2B	-2.87	1.36	1.40
29	B	766	BCR	C12-C13	-2.86	1.39	1.45
25	a	610	CLA	C1D-ND	-2.86	1.34	1.37
25	a	608	CLA	C3B-C2B	-2.86	1.36	1.40
25	j	604	CLA	C1D-ND	-2.86	1.34	1.37
25	f	615	CLA	C3B-C2B	-2.86	1.36	1.40
31	F	4002	DD6	C13-C11	-2.86	1.39	1.45
25	g	610	CLA	C1D-ND	-2.86	1.34	1.37
25	l	608	CLA	C3B-C2B	-2.86	1.36	1.40
25	e	614	CLA	C3B-C2B	-2.85	1.36	1.40
25	B	752	CLA	C1D-ND	-2.85	1.34	1.37
25	k	602	CLA	C1D-ND	-2.85	1.34	1.37
25	e	609	CLA	C3B-C2B	-2.85	1.36	1.40
25	m	602	CLA	C1D-ND	-2.85	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	j	620	DD6	C35-C36	-2.85	1.46	1.51
25	B	748	CLA	C1D-ND	-2.85	1.34	1.37
25	A	770	CLA	C3B-C2B	-2.85	1.36	1.40
25	i	610	CLA	C1D-ND	-2.85	1.34	1.37
25	A	805	CLA	C3B-C2B	-2.85	1.36	1.40
25	B	738	CLA	C3B-C2B	-2.85	1.36	1.40
31	F	4002	DD6	C5-C6	2.84	1.39	1.35
29	A	788	BCR	C12-C13	-2.84	1.39	1.45
25	B	778	CLA	C1D-ND	-2.84	1.34	1.37
25	g	610	CLA	C3B-C2B	-2.84	1.36	1.40
31	e	620	DD6	C5-C6	2.84	1.39	1.35
25	A	800	CLA	C1D-ND	-2.84	1.34	1.37
25	B	740	CLA	C1D-ND	-2.84	1.34	1.37
25	i	609	CLA	C1D-ND	-2.84	1.34	1.37
25	b	608	CLA	C3B-C2B	-2.84	1.36	1.40
25	k	602	CLA	C3B-C2B	-2.84	1.36	1.40
25	B	759	CLA	C1D-ND	-2.83	1.34	1.37
31	n	621	DD6	C8-C6	-2.83	1.39	1.45
25	A	760	CLA	C1D-ND	-2.83	1.34	1.37
25	B	746	CLA	C1D-ND	-2.83	1.34	1.37
25	B	736	CLA	C1D-ND	-2.83	1.34	1.37
25	b	602	CLA	C1D-ND	-2.83	1.34	1.37
25	B	771	CLA	C1D-ND	-2.83	1.34	1.37
25	j	609	CLA	C1D-ND	-2.83	1.34	1.37
25	o	608	CLA	C3B-C2B	-2.83	1.36	1.40
25	B	772	CLA	C1D-ND	-2.82	1.34	1.37
25	A	776	CLA	C1D-ND	-2.82	1.34	1.37
25	b	610	CLA	C3B-C2B	-2.82	1.36	1.40
25	A	799	CLA	C1D-ND	-2.82	1.34	1.37
25	B	753	CLA	C1D-ND	-2.82	1.34	1.37
25	A	781	CLA	C1D-ND	-2.82	1.34	1.37
35	c	607	CHL	MG-NA	2.81	2.13	2.06
25	B	744	CLA	C1D-ND	-2.81	1.34	1.37
25	B	774	CLA	C1D-ND	-2.81	1.34	1.37
25	A	804	CLA	C3B-C2B	-2.81	1.36	1.40
25	B	770	CLA	C1D-ND	-2.81	1.34	1.37
25	B	758	CLA	C1D-ND	-2.81	1.34	1.37
25	c	610	CLA	C1D-ND	-2.81	1.34	1.37
25	d	613	CLA	C1D-ND	-2.81	1.34	1.37
25	A	777	CLA	C1D-ND	-2.81	1.34	1.37
25	A	762	CLA	C1D-ND	-2.81	1.34	1.37
25	B	777	CLA	C1D-ND	-2.81	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	750	CLA	C3B-C2B	-2.81	1.36	1.40
25	b	602	CLA	C3B-C2B	-2.81	1.36	1.40
25	a	613	CLA	C1D-ND	-2.81	1.34	1.37
25	B	760	CLA	C1D-ND	-2.80	1.34	1.37
25	d	610	CLA	C1D-ND	-2.80	1.34	1.37
25	A	768	CLA	C1D-ND	-2.80	1.34	1.37
25	B	754	CLA	C1D-ND	-2.80	1.34	1.37
25	o	608	CLA	C1D-ND	-2.80	1.34	1.37
25	k	610	CLA	C1D-ND	-2.80	1.34	1.37
25	j	601	CLA	C1D-ND	-2.80	1.34	1.37
25	k	618	CLA	C1D-ND	-2.80	1.34	1.37
25	e	602	CLA	C1D-ND	-2.80	1.34	1.37
25	g	601	CLA	C1D-ND	-2.80	1.34	1.37
25	n	609	CLA	C1D-ND	-2.80	1.34	1.37
31	n	621	DD6	C13-C11	-2.80	1.39	1.45
25	i	601	CLA	C1D-ND	-2.79	1.34	1.37
25	d	602	CLA	C1D-ND	-2.79	1.34	1.37
25	A	757	CLA	C1D-ND	-2.79	1.34	1.37
25	B	755	CLA	C1D-ND	-2.79	1.34	1.37
25	B	747	CLA	C1D-ND	-2.79	1.34	1.37
25	A	763	CLA	C1D-ND	-2.79	1.34	1.37
31	F	4002	DD6	C8-C6	-2.79	1.40	1.45
25	p	608	CLA	C3B-C2B	-2.79	1.36	1.40
25	B	779	CLA	C1D-ND	-2.79	1.34	1.37
25	h	611	CLA	C3B-C2B	-2.79	1.36	1.40
25	g	618	CLA	C3B-C2B	-2.79	1.36	1.40
25	b	608	CLA	C1D-ND	-2.79	1.34	1.37
25	n	609	CLA	C3B-C2B	-2.79	1.36	1.40
25	j	602	CLA	C1D-ND	-2.79	1.34	1.37
25	B	777	CLA	C3B-C2B	-2.78	1.36	1.40
25	b	604	CLA	C1D-ND	-2.78	1.34	1.37
25	A	802	CLA	C1D-ND	-2.78	1.34	1.37
25	B	738	CLA	C1D-ND	-2.78	1.34	1.37
25	A	770	CLA	C1D-ND	-2.78	1.34	1.37
25	A	794	CLA	C1D-ND	-2.78	1.34	1.37
30	A	795	SQD	O48-C23	2.78	1.47	1.33
25	i	611	CLA	C1D-ND	-2.77	1.34	1.37
25	f	601	CLA	C3B-C2B	-2.77	1.36	1.40
25	A	761	CLA	C1D-ND	-2.77	1.34	1.37
31	m	620	DD6	O1-C20	-2.77	1.42	1.46
25	B	776	CLA	C1D-ND	-2.77	1.34	1.37
25	e	610	CLA	C1D-ND	-2.77	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	j	618	CLA	C1D-ND	-2.77	1.34	1.37
25	B	768	CLA	C1D-ND	-2.77	1.34	1.37
25	l	602	CLA	C1D-ND	-2.77	1.34	1.37
25	o	610	CLA	C1D-ND	-2.77	1.34	1.37
25	d	604	CLA	C1D-ND	-2.77	1.34	1.37
25	B	755	CLA	C3B-C2B	-2.77	1.36	1.40
25	B	751	CLA	C1D-ND	-2.77	1.34	1.37
25	h	613	CLA	C1D-ND	-2.77	1.34	1.37
25	i	608	CLA	C1D-ND	-2.76	1.34	1.37
25	A	775	CLA	C1D-ND	-2.76	1.34	1.37
25	m	608	CLA	C1D-ND	-2.76	1.34	1.37
25	a	602	CLA	C1D-ND	-2.76	1.34	1.37
25	o	602	CLA	C1D-ND	-2.76	1.34	1.37
31	e	620	DD6	C2-C1	2.76	1.39	1.35
25	h	609	CLA	C1D-ND	-2.76	1.34	1.37
25	b	610	CLA	C1D-ND	-2.76	1.34	1.37
25	B	741	CLA	C1D-ND	-2.75	1.34	1.37
25	B	742	CLA	C1D-ND	-2.75	1.34	1.37
25	B	780	CLA	C1D-ND	-2.75	1.34	1.37
25	A	765	CLA	C1D-ND	-2.75	1.34	1.37
25	d	609	CLA	C1D-ND	-2.75	1.34	1.37
25	k	604	CLA	C1D-ND	-2.75	1.34	1.37
25	l	608	CLA	C1D-ND	-2.75	1.34	1.37
25	k	614	CLA	C1D-ND	-2.75	1.34	1.37
25	A	784	CLA	C1D-ND	-2.75	1.34	1.37
25	h	604	CLA	C1D-ND	-2.75	1.34	1.37
25	l	609	CLA	C1D-ND	-2.75	1.34	1.37
25	j	614	CLA	C1D-ND	-2.75	1.34	1.37
25	A	773	CLA	C3B-C2B	-2.74	1.36	1.40
25	A	755	CLA	C1D-ND	-2.74	1.34	1.37
25	b	609	CLA	C1D-ND	-2.74	1.34	1.37
25	a	610	CLA	C3B-C2B	-2.74	1.36	1.40
25	m	609	CLA	C1D-ND	-2.74	1.34	1.37
25	l	610	CLA	C1D-ND	-2.74	1.34	1.37
25	B	772	CLA	C3B-C2B	-2.74	1.36	1.40
25	A	778	CLA	C1D-ND	-2.74	1.34	1.37
25	g	604	CLA	C1D-ND	-2.74	1.34	1.37
25	A	767	CLA	C1D-ND	-2.74	1.34	1.37
25	k	611	CLA	C1D-ND	-2.74	1.34	1.37
25	a	602	CLA	C3B-C2B	-2.74	1.36	1.40
25	a	604	CLA	C1D-ND	-2.74	1.34	1.37
25	i	613	CLA	C1D-ND	-2.74	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	B	765	BCR	C12-C13	-2.74	1.40	1.45
25	o	614	CLA	C1D-ND	-2.74	1.34	1.37
25	B	781	CLA	C1D-ND	-2.74	1.34	1.37
25	A	779	CLA	C1D-ND	-2.74	1.34	1.37
25	g	602	CLA	C1D-ND	-2.74	1.34	1.37
29	B	766	BCR	C14-C13	2.74	1.39	1.35
25	f	611	CLA	C1D-ND	-2.73	1.34	1.37
25	c	611	CLA	C1D-ND	-2.73	1.34	1.37
25	c	602	CLA	C1D-ND	-2.73	1.34	1.37
25	c	608	CLA	C1D-ND	-2.73	1.34	1.37
29	A	788	BCR	C17-C18	2.73	1.39	1.35
25	A	764	CLA	C1D-ND	-2.73	1.34	1.37
25	h	601	CLA	C1D-ND	-2.73	1.34	1.37
25	d	611	CLA	C1D-ND	-2.72	1.34	1.37
25	h	618	CLA	C1D-ND	-2.72	1.34	1.37
25	g	613	CLA	C1D-ND	-2.72	1.34	1.37
25	k	613	CLA	C1D-ND	-2.72	1.34	1.37
25	B	749	CLA	C1D-ND	-2.72	1.34	1.37
25	h	611	CLA	C1D-ND	-2.72	1.34	1.37
25	l	617	CLA	C1D-ND	-2.72	1.34	1.37
25	c	613	CLA	C1D-ND	-2.72	1.34	1.37
25	A	752	CLA	C1D-ND	-2.71	1.34	1.37
25	c	604	CLA	C1D-ND	-2.71	1.34	1.37
25	A	793	CLA	C1D-ND	-2.71	1.34	1.37
25	c	601	CLA	C1D-ND	-2.71	1.34	1.37
25	j	608	CLA	C1D-ND	-2.71	1.34	1.37
25	f	602	CLA	C1D-ND	-2.71	1.34	1.37
25	A	806	CLA	C1D-ND	-2.71	1.34	1.37
25	e	609	CLA	C1D-ND	-2.71	1.34	1.37
25	i	604	CLA	C1D-ND	-2.71	1.34	1.37
28	B	769	PQN	C10-C5	-2.71	1.36	1.40
25	a	611	CLA	C1D-ND	-2.71	1.34	1.37
25	e	608	CLA	C1D-ND	-2.70	1.34	1.37
25	k	608	CLA	C1D-ND	-2.70	1.34	1.37
25	o	609	CLA	C1D-ND	-2.70	1.34	1.37
25	A	808	CLA	C3B-C2B	-2.69	1.36	1.40
25	j	613	CLA	C1D-ND	-2.69	1.34	1.37
25	m	610	CLA	C1D-ND	-2.69	1.34	1.37
25	i	603	CLA	C3B-C2B	-2.69	1.36	1.40
25	d	610	CLA	C3B-C2B	-2.69	1.36	1.40
25	A	808	CLA	C1D-ND	-2.68	1.34	1.37
25	B	757	CLA	C1D-ND	-2.68	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	i	614	CLA	C1D-ND	-2.68	1.34	1.37
25	c	619	CLA	C1D-ND	-2.68	1.34	1.37
25	A	757	CLA	C3B-C2B	-2.68	1.36	1.40
31	i	625	DD6	O1-C20	-2.68	1.42	1.46
25	l	613	CLA	C1D-ND	-2.68	1.34	1.37
25	J	101	CLA	C1D-ND	-2.68	1.34	1.37
25	h	614	CLA	C1D-ND	-2.68	1.34	1.37
25	i	615	CLA	C1D-ND	-2.68	1.34	1.37
25	g	614	CLA	C1D-ND	-2.68	1.34	1.37
25	A	782	CLA	C1D-ND	-2.68	1.34	1.37
25	l	604	CLA	C1D-ND	-2.68	1.34	1.37
31	A	4002	DD6	C35-C36	-2.67	1.46	1.51
31	o	620	DD6	O1-C20	-2.67	1.42	1.46
25	m	613	CLA	C1D-ND	-2.67	1.34	1.37
25	m	604	CLA	C1D-ND	-2.67	1.34	1.37
25	n	607	CLA	C1D-ND	-2.67	1.34	1.37
25	e	605	CLA	C1D-ND	-2.67	1.34	1.37
25	g	615	CLA	C1D-ND	-2.67	1.34	1.37
31	J	4002	DD6	C35-C36	-2.67	1.46	1.51
25	e	603	CLA	C1D-ND	-2.67	1.34	1.37
25	c	602	CLA	C3B-C2B	-2.66	1.36	1.40
25	B	783	CLA	C1D-ND	-2.66	1.34	1.37
25	j	615	CLA	C1D-ND	-2.66	1.34	1.37
31	b	620	DD6	O1-C20	-2.66	1.42	1.46
25	a	608	CLA	C1D-ND	-2.66	1.34	1.37
31	A	4002	DD6	O1-C20	-2.66	1.42	1.46
25	o	604	CLA	C1D-ND	-2.66	1.34	1.37
31	c	623	DD6	C35-C36	-2.65	1.46	1.51
25	g	611	CLA	C1D-ND	-2.65	1.34	1.37
25	B	750	CLA	C1D-ND	-2.65	1.34	1.37
25	f	604	CLA	C1D-ND	-2.65	1.34	1.37
25	c	614	CLA	C1D-ND	-2.65	1.34	1.37
31	c	624	DD6	C8-C6	-2.65	1.40	1.45
25	A	807	CLA	C1D-ND	-2.65	1.34	1.37
25	k	615	CLA	C1D-ND	-2.65	1.34	1.37
25	A	769	CLA	C1D-ND	-2.65	1.34	1.37
25	o	612	CLA	C4D-C3D	-2.64	1.40	1.45
25	A	772	CLA	C3B-C2B	-2.64	1.36	1.40
29	A	792	BCR	C12-C13	-2.64	1.40	1.45
25	A	803	CLA	C1D-ND	-2.64	1.34	1.37
25	A	771	CLA	C1D-ND	-2.64	1.34	1.37
25	g	609	CLA	C1D-ND	-2.64	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	n	623	DD6	C25-C26	-2.64	1.35	1.43
31	i	621	DD6	C35-C36	-2.64	1.47	1.51
25	c	606	CLA	C1D-ND	-2.63	1.34	1.37
25	o	603	CLA	C1D-ND	-2.63	1.34	1.37
25	B	745	CLA	C1D-ND	-2.63	1.34	1.37
25	h	608	CLA	C1D-ND	-2.63	1.34	1.37
25	k	601	CLA	C1D-ND	-2.63	1.34	1.37
28	d	223	PQN	C10-C5	-2.62	1.36	1.40
31	a	620	DD6	C35-C36	-2.62	1.47	1.51
25	j	612	CLA	C3B-C2B	-2.62	1.36	1.40
25	A	766	CLA	C1D-ND	-2.62	1.34	1.37
25	b	605	CLA	C1D-ND	-2.62	1.34	1.37
25	e	604	CLA	C1D-ND	-2.62	1.34	1.37
25	e	611	CLA	C1D-ND	-2.62	1.34	1.37
25	p	602	CLA	C1B-CHB	-2.62	1.33	1.41
25	c	609	CLA	C1D-ND	-2.62	1.34	1.37
25	g	618	CLA	C1D-ND	-2.62	1.34	1.37
31	i	620	DD6	C35-C36	-2.62	1.47	1.51
25	p	610	CLA	C1D-ND	-2.62	1.34	1.37
25	e	607	CLA	C1D-ND	-2.61	1.34	1.37
25	A	753	CLA	C3B-C2B	-2.61	1.36	1.40
31	c	620	DD6	C35-C36	-2.61	1.47	1.51
25	A	769	CLA	C1B-CHB	-2.60	1.33	1.41
25	a	601	CLA	C1D-ND	-2.60	1.34	1.37
25	h	615	CLA	C1D-ND	-2.60	1.34	1.37
25	c	612	CLA	C1D-ND	-2.60	1.34	1.37
25	f	610	CLA	C1D-ND	-2.60	1.34	1.37
25	p	609	CLA	C1D-ND	-2.60	1.34	1.37
25	p	604	CLA	C1D-ND	-2.60	1.34	1.37
25	m	611	CLA	C1D-ND	-2.60	1.34	1.37
25	A	774	CLA	C1D-ND	-2.60	1.34	1.37
25	f	601	CLA	C1D-ND	-2.59	1.34	1.37
25	B	737	CLA	C3B-C2B	-2.59	1.36	1.40
25	b	611	CLA	C1D-ND	-2.59	1.34	1.37
25	i	612	CLA	C1D-ND	-2.59	1.34	1.37
25	n	602	CLA	C1D-ND	-2.59	1.34	1.37
31	p	621	DD6	O1-C20	-2.59	1.42	1.46
25	b	613	CLA	C1D-ND	-2.59	1.34	1.37
25	A	759	CLA	C1D-ND	-2.58	1.34	1.37
25	n	604	CLA	C1D-ND	-2.58	1.34	1.37
25	B	785	CLA	C1D-ND	-2.58	1.34	1.37
25	B	739	CLA	C1D-ND	-2.58	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	l	611	CLA	C1D-ND	-2.58	1.34	1.37
25	d	601	CLA	C1D-ND	-2.57	1.34	1.37
25	l	601	CLA	C1D-ND	-2.57	1.34	1.37
25	n	610	CLA	C1D-ND	-2.57	1.34	1.37
29	A	789	BCR	C1-C6	-2.57	1.50	1.53
25	d	612	CLA	C1D-ND	-2.57	1.34	1.37
31	n	621	DD6	C26-C27	2.57	1.42	1.37
25	m	601	CLA	MG-NC	2.57	2.12	2.06
25	l	614	CLA	C1D-ND	-2.57	1.34	1.37
25	a	619	CLA	C1D-ND	-2.56	1.34	1.37
25	g	603	CLA	C1B-CHB	-2.56	1.33	1.41
31	e	623	DD6	C24-C1	-2.56	1.40	1.45
28	A	785	PQN	C2M-C2	-2.56	1.45	1.50
29	A	788	BCR	C21-C22	2.56	1.39	1.35
25	p	613	CLA	C1D-ND	-2.56	1.34	1.37
25	f	614	CLA	C1D-ND	-2.56	1.34	1.37
25	j	612	CLA	C1B-CHB	-2.55	1.33	1.41
25	B	782	CLA	C1D-ND	-2.55	1.34	1.37
31	b	621	DD6	C35-C36	-2.55	1.47	1.51
25	B	743	CLA	C1D-ND	-2.55	1.34	1.37
25	g	608	CLA	C1D-ND	-2.55	1.34	1.37
25	a	603	CLA	C1D-ND	-2.55	1.34	1.37
31	h	620	DD6	C35-C36	-2.54	1.47	1.51
25	A	772	CLA	C1D-ND	-2.54	1.34	1.37
25	o	613	CLA	C1D-ND	-2.54	1.34	1.37
31	b	620	DD6	C35-C36	-2.54	1.47	1.51
25	h	612	CLA	C1D-ND	-2.54	1.34	1.37
25	n	605	CLA	C1D-ND	-2.53	1.34	1.37
31	d	620	DD6	C35-C36	-2.53	1.47	1.51
31	c	624	DD6	C13-C11	-2.53	1.40	1.45
31	d	623	DD6	C35-C36	-2.53	1.47	1.51
25	f	613	CLA	C1D-ND	-2.53	1.34	1.37
25	p	608	CLA	C1D-ND	-2.53	1.34	1.37
25	j	603	CLA	C1B-CHB	-2.52	1.34	1.41
25	k	612	CLA	C1B-CHB	-2.52	1.34	1.41
25	b	601	CLA	C1D-ND	-2.52	1.34	1.37
25	k	612	CLA	C1D-ND	-2.52	1.34	1.37
25	A	776	CLA	C1B-CHB	-2.52	1.34	1.41
25	B	784	CLA	C1D-ND	-2.52	1.34	1.37
25	o	601	CLA	C1D-ND	-2.52	1.34	1.37
25	g	603	CLA	MG-NC	2.52	2.12	2.06
25	B	748	CLA	C1B-CHB	-2.52	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	773	CLA	C1B-CHB	-2.52	1.34	1.41
25	o	601	CLA	C1B-CHB	-2.52	1.34	1.41
25	j	612	CLA	C1D-ND	-2.51	1.34	1.37
25	f	612	CLA	C1B-CHB	-2.51	1.34	1.41
25	l	612	CLA	C1D-ND	-2.51	1.34	1.37
25	A	807	CLA	C1B-CHB	-2.51	1.34	1.41
25	c	610	CLA	C3B-C2B	-2.51	1.36	1.40
25	b	604	CLA	C3B-C2B	-2.51	1.36	1.40
31	g	621	DD6	C35-C36	-2.51	1.47	1.51
28	B	761	PQN	C11-C12	-2.51	1.47	1.50
25	p	603	CLA	MG-NC	2.51	2.12	2.06
25	i	603	CLA	C1B-CHB	-2.50	1.34	1.41
25	A	765	CLA	C1B-CHB	-2.50	1.34	1.41
25	e	612	CLA	C1B-CHB	-2.50	1.34	1.41
25	a	612	CLA	C1D-ND	-2.50	1.34	1.37
25	l	603	CLA	C1B-CHB	-2.50	1.34	1.41
31	e	621	DD6	C35-C36	-2.50	1.47	1.51
31	c	624	DD6	C26-C27	2.50	1.42	1.37
25	m	609	CLA	C1B-CHB	-2.50	1.34	1.41
25	p	612	CLA	C1D-ND	-2.50	1.34	1.37
25	J	101	CLA	C1B-CHB	-2.50	1.34	1.41
31	d	621	DD6	C35-C36	-2.49	1.47	1.51
25	m	601	CLA	C1B-CHB	-2.49	1.34	1.41
25	m	603	CLA	C1B-CHB	-2.49	1.34	1.41
25	B	779	CLA	C1B-CHB	-2.49	1.34	1.41
25	A	782	CLA	C1B-CHB	-2.49	1.34	1.41
25	a	609	CLA	C1B-CHB	-2.49	1.34	1.41
25	B	739	CLA	C1B-CHB	-2.49	1.34	1.41
25	A	797	CLA	C1B-CHB	-2.48	1.34	1.41
25	b	612	CLA	C1B-CHB	-2.48	1.34	1.41
31	l	621	DD6	C19-C20	-2.48	1.48	1.52
25	e	601	CLA	C1D-ND	-2.48	1.34	1.37
25	o	603	CLA	C1B-CHB	-2.48	1.34	1.41
25	A	762	CLA	C1B-CHB	-2.48	1.34	1.41
25	B	751	CLA	C1B-CHB	-2.48	1.34	1.41
25	g	601	CLA	C1B-CHB	-2.48	1.34	1.41
25	j	609	CLA	C1B-CHB	-2.47	1.34	1.41
25	h	603	CLA	C1D-ND	-2.47	1.34	1.37
31	n	623	DD6	C13-C11	-2.47	1.40	1.45
25	A	777	CLA	C1B-CHB	-2.47	1.34	1.41
25	f	612	CLA	MG-NC	2.47	2.12	2.06
25	B	783	CLA	C1B-CHB	-2.47	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	a	621	DD6	C19-C20	-2.47	1.48	1.52
25	g	612	CLA	C1B-CHB	-2.47	1.34	1.41
31	h	621	DD6	C35-C36	-2.47	1.47	1.51
25	g	612	CLA	C1D-ND	-2.47	1.34	1.37
25	A	793	CLA	C1B-CHB	-2.47	1.34	1.41
25	k	608	CLA	C1B-CHB	-2.47	1.34	1.41
25	n	603	CLA	C1D-ND	-2.47	1.34	1.37
25	n	613	CLA	C1D-ND	-2.47	1.34	1.37
25	e	603	CLA	C1B-CHB	-2.47	1.34	1.41
25	m	612	CLA	C1B-CHB	-2.47	1.34	1.41
25	d	612	CLA	C1B-CHB	-2.47	1.34	1.41
25	A	784	CLA	C1B-CHB	-2.47	1.34	1.41
25	b	612	CLA	C1D-ND	-2.47	1.34	1.37
25	h	612	CLA	C1B-CHB	-2.46	1.34	1.41
25	B	774	CLA	C1B-CHB	-2.46	1.34	1.41
25	A	768	CLA	C1B-CHB	-2.46	1.34	1.41
25	a	603	CLA	C1B-CHB	-2.46	1.34	1.41
25	p	610	CLA	C1B-CHB	-2.46	1.34	1.41
25	A	799	CLA	C1B-CHB	-2.46	1.34	1.41
25	c	613	CLA	C1B-CHB	-2.46	1.34	1.41
25	n	606	CLA	C1D-ND	-2.46	1.34	1.37
25	A	752	CLA	C1B-CHB	-2.46	1.34	1.41
25	B	776	CLA	C1B-CHB	-2.46	1.34	1.41
25	B	780	CLA	C1B-CHB	-2.46	1.34	1.41
25	h	604	CLA	C1B-CHB	-2.46	1.34	1.41
25	k	604	CLA	C1B-CHB	-2.46	1.34	1.41
25	e	607	CLA	C1B-CHB	-2.46	1.34	1.41
25	g	613	CLA	C1B-CHB	-2.46	1.34	1.41
31	j	621	DD6	C35-C36	-2.46	1.47	1.51
25	p	609	CLA	C1B-CHB	-2.46	1.34	1.41
25	B	741	CLA	C1B-CHB	-2.46	1.34	1.41
25	d	609	CLA	C1B-CHB	-2.46	1.34	1.41
31	a	621	DD6	C35-C36	-2.46	1.47	1.51
25	B	768	CLA	C1B-CHB	-2.46	1.34	1.41
25	B	760	CLA	C1B-CHB	-2.46	1.34	1.41
25	j	601	CLA	C1B-CHB	-2.46	1.34	1.41
25	d	603	CLA	C1B-CHB	-2.45	1.34	1.41
25	A	808	CLA	C1B-CHB	-2.45	1.34	1.41
25	c	616	CLA	C1D-ND	-2.45	1.34	1.37
25	e	612	CLA	C1D-ND	-2.45	1.34	1.37
25	B	785	CLA	C1B-CHB	-2.45	1.34	1.41
25	i	601	CLA	C1B-CHB	-2.45	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	c	621	DD6	C19-C20	-2.45	1.48	1.52
25	c	603	CLA	C1D-ND	-2.45	1.34	1.37
25	l	609	CLA	C1B-CHB	-2.45	1.34	1.41
25	f	608	CLA	C1D-ND	-2.45	1.34	1.37
25	o	603	CLA	MG-NC	2.45	2.12	2.06
31	k	621	DD6	C35-C36	-2.45	1.47	1.51
25	B	771	CLA	C1B-CHB	-2.45	1.34	1.41
25	d	604	CLA	C1B-CHB	-2.45	1.34	1.41
25	g	608	CLA	C1B-CHB	-2.45	1.34	1.41
25	f	609	CLA	C1D-ND	-2.45	1.34	1.37
25	B	746	CLA	C1B-CHB	-2.45	1.34	1.41
25	l	614	CLA	C1B-CHB	-2.45	1.34	1.41
25	n	604	CLA	C1B-CHB	-2.45	1.34	1.41
25	f	612	CLA	C1D-ND	-2.45	1.34	1.37
25	j	614	CLA	C1B-CHB	-2.44	1.34	1.41
25	e	604	CLA	C1B-CHB	-2.44	1.34	1.41
25	n	608	CLA	C1D-ND	-2.44	1.34	1.37
25	B	742	CLA	C1B-CHB	-2.44	1.34	1.41
25	i	612	CLA	C1B-CHB	-2.44	1.34	1.41
25	o	604	CLA	C1B-CHB	-2.44	1.34	1.41
25	f	615	CLA	C1D-ND	-2.44	1.34	1.37
25	A	775	CLA	C1B-CHB	-2.44	1.34	1.41
25	c	612	CLA	C1B-CHB	-2.44	1.34	1.41
25	A	781	CLA	C1B-CHB	-2.44	1.34	1.41
25	a	601	CLA	C1B-CHB	-2.44	1.34	1.41
25	A	763	CLA	C1B-CHB	-2.44	1.34	1.41
25	B	749	CLA	C1B-CHB	-2.44	1.34	1.41
25	h	601	CLA	C1B-CHB	-2.44	1.34	1.41
25	B	752	CLA	C1B-CHB	-2.44	1.34	1.41
25	B	770	CLA	C1B-CHB	-2.44	1.34	1.41
25	B	747	CLA	C1B-CHB	-2.44	1.34	1.41
25	c	609	CLA	C1B-CHB	-2.44	1.34	1.41
25	b	603	CLA	C1D-ND	-2.44	1.34	1.37
25	d	603	CLA	C1D-ND	-2.44	1.34	1.37
25	j	608	CLA	C1B-CHB	-2.44	1.34	1.41
25	m	608	CLA	C1B-CHB	-2.44	1.34	1.41
25	B	778	CLA	C1B-CHB	-2.44	1.34	1.41
25	b	603	CLA	C1B-CHB	-2.44	1.34	1.41
25	B	758	CLA	C1B-CHB	-2.43	1.34	1.41
25	f	603	CLA	MG-NC	2.43	2.12	2.06
25	g	611	CLA	C1B-CHB	-2.43	1.34	1.41
25	c	606	CLA	C1B-CHB	-2.43	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	i	608	CLA	C1B-CHB	-2.43	1.34	1.41
25	B	736	CLA	C1B-CHB	-2.43	1.34	1.41
25	e	614	CLA	C1D-ND	-2.43	1.34	1.37
25	B	781	CLA	C1B-CHB	-2.43	1.34	1.41
25	c	603	CLA	C1B-CHB	-2.43	1.34	1.41
31	d	623	DD6	O1-C20	-2.43	1.42	1.46
25	A	778	CLA	C1B-CHB	-2.43	1.34	1.41
25	B	745	CLA	C1B-CHB	-2.43	1.34	1.41
31	p	621	DD6	C35-C36	-2.43	1.47	1.51
25	n	603	CLA	C1B-CHB	-2.43	1.34	1.41
25	l	610	CLA	C1B-CHB	-2.43	1.34	1.41
25	h	615	CLA	C1B-CHB	-2.43	1.34	1.41
25	n	610	CLA	C1B-CHB	-2.43	1.34	1.41
25	b	609	CLA	C1B-CHB	-2.43	1.34	1.41
25	h	609	CLA	C1B-CHB	-2.43	1.34	1.41
25	A	791	CLA	C1B-CHB	-2.43	1.34	1.41
25	e	609	CLA	C1B-CHB	-2.43	1.34	1.41
31	A	4008	DD6	C35-C36	-2.43	1.47	1.51
25	k	603	CLA	C1D-ND	-2.42	1.34	1.37
25	A	779	CLA	C1B-CHB	-2.42	1.34	1.41
31	k	620	DD6	C35-C36	-2.42	1.47	1.51
25	f	603	CLA	C1B-CHB	-2.42	1.34	1.41
25	l	608	CLA	C1B-CHB	-2.42	1.34	1.41
25	B	759	CLA	C1B-CHB	-2.42	1.34	1.41
25	n	612	CLA	C1D-ND	-2.42	1.34	1.37
25	c	604	CLA	C1B-CHB	-2.42	1.34	1.41
25	i	614	CLA	C1B-CHB	-2.42	1.34	1.41
25	d	611	CLA	C1B-CHB	-2.42	1.34	1.41
25	A	761	CLA	C1B-CHB	-2.42	1.34	1.41
31	e	623	DD6	C13-C11	-2.42	1.40	1.45
25	g	609	CLA	C1B-CHB	-2.42	1.34	1.41
25	a	604	CLA	C1B-CHB	-2.42	1.34	1.41
25	c	610	CLA	C1B-CHB	-2.42	1.34	1.41
31	e	620	DD6	C25-C26	-2.41	1.36	1.43
25	b	605	CLA	C1B-CHB	-2.41	1.34	1.41
25	A	771	CLA	C1B-CHB	-2.41	1.34	1.41
25	a	611	CLA	C1B-CHB	-2.41	1.34	1.41
25	c	614	CLA	C1B-CHB	-2.41	1.34	1.41
25	a	612	CLA	C1B-CHB	-2.41	1.34	1.41
25	k	610	CLA	C3B-C2B	-2.41	1.37	1.40
25	h	608	CLA	C1B-CHB	-2.41	1.34	1.41
25	f	603	CLA	C1D-ND	-2.41	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	h	618	CLA	C1B-CHB	-2.41	1.34	1.41
25	d	610	CLA	C1B-CHB	-2.41	1.34	1.41
31	e	620	DD6	C26-C27	2.41	1.42	1.37
25	l	612	CLA	C1B-CHB	-2.41	1.34	1.41
25	m	603	CLA	C1D-ND	-2.41	1.34	1.37
25	A	767	CLA	C1B-CHB	-2.41	1.34	1.41
25	B	755	CLA	C1B-CHB	-2.41	1.34	1.41
25	B	743	CLA	C1B-CHB	-2.41	1.34	1.41
25	b	601	CLA	C1B-CHB	-2.41	1.34	1.41
25	n	606	CLA	MG-NC	2.41	2.12	2.06
25	B	772	CLA	C1B-CHB	-2.40	1.34	1.41
25	n	607	CLA	C1B-CHB	-2.40	1.34	1.41
25	b	604	CLA	C1B-CHB	-2.40	1.34	1.41
25	e	601	CLA	C1B-CHB	-2.40	1.34	1.41
25	e	608	CLA	C1B-CHB	-2.40	1.34	1.41
25	A	764	CLA	C1B-CHB	-2.40	1.34	1.41
25	g	615	CLA	C1B-CHB	-2.40	1.34	1.41
25	B	750	CLA	C1B-CHB	-2.40	1.34	1.41
25	k	618	CLA	C1B-CHB	-2.40	1.34	1.41
25	A	760	CLA	C1B-CHB	-2.40	1.34	1.41
25	h	613	CLA	C1B-CHB	-2.40	1.34	1.41
25	b	611	CLA	C1B-CHB	-2.40	1.34	1.41
25	j	615	CLA	C1B-CHB	-2.40	1.34	1.41
25	l	601	CLA	C1B-CHB	-2.40	1.34	1.41
31	n	623	DD6	C24-C1	-2.40	1.40	1.45
25	c	608	CLA	C1B-CHB	-2.40	1.34	1.41
28	d	223	PQN	C2M-C2	-2.40	1.45	1.50
25	n	606	CLA	C1B-CHB	-2.40	1.34	1.41
25	j	611	CLA	C1B-CHB	-2.40	1.34	1.41
25	A	753	CLA	C1B-CHB	-2.40	1.34	1.41
25	p	601	CLA	C1D-ND	-2.40	1.34	1.37
25	e	602	CLA	C1B-CHB	-2.40	1.34	1.41
25	i	602	CLA	C1B-CHB	-2.40	1.34	1.41
25	A	772	CLA	C1B-CHB	-2.40	1.34	1.41
25	d	601	CLA	C1B-CHB	-2.40	1.34	1.41
25	c	602	CLA	C1B-CHB	-2.40	1.34	1.41
25	i	615	CLA	C1B-CHB	-2.40	1.34	1.41
25	b	608	CLA	C1B-CHB	-2.40	1.34	1.41
25	k	603	CLA	C1B-CHB	-2.40	1.34	1.41
25	o	613	CLA	C1B-CHB	-2.40	1.34	1.41
25	l	603	CLA	C1D-ND	-2.40	1.34	1.37
25	f	610	CLA	C1B-CHB	-2.40	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	744	CLA	C1B-CHB	-2.40	1.34	1.41
25	e	613	CLA	C1B-CHB	-2.40	1.34	1.41
25	l	602	CLA	C1B-CHB	-2.40	1.34	1.41
25	A	798	CLA	C3B-C2B	-2.40	1.37	1.40
31	l	621	DD6	C35-C36	-2.39	1.47	1.51
25	a	619	CLA	C1B-CHB	-2.39	1.34	1.41
25	h	614	CLA	C1B-CHB	-2.39	1.34	1.41
25	m	610	CLA	C1B-CHB	-2.39	1.34	1.41
25	c	616	CLA	C1B-CHB	-2.39	1.34	1.41
25	k	614	CLA	C1B-CHB	-2.39	1.34	1.41
25	A	794	CLA	C1B-CHB	-2.39	1.34	1.41
25	f	614	CLA	C1B-CHB	-2.39	1.34	1.41
25	f	613	CLA	C1B-CHB	-2.39	1.34	1.41
25	h	602	CLA	C1B-CHB	-2.39	1.34	1.41
25	j	604	CLA	C1B-CHB	-2.39	1.34	1.41
25	n	613	CLA	C1B-CHB	-2.39	1.34	1.41
31	c	624	DD6	C25-C26	-2.39	1.36	1.43
31	f	621	DD6	O1-C20	-2.39	1.42	1.46
25	k	609	CLA	C1B-CHB	-2.39	1.34	1.41
25	j	618	CLA	C1B-CHB	-2.39	1.34	1.41
25	n	605	CLA	C1B-CHB	-2.39	1.34	1.41
25	l	604	CLA	C1B-CHB	-2.39	1.34	1.41
25	A	766	CLA	C1B-CHB	-2.39	1.34	1.41
25	c	611	CLA	C1B-CHB	-2.39	1.34	1.41
25	o	610	CLA	C1B-CHB	-2.39	1.34	1.41
25	A	755	CLA	C1B-CHB	-2.39	1.34	1.41
25	d	614	CLA	C1D-ND	-2.39	1.34	1.37
25	i	604	CLA	C1B-CHB	-2.39	1.34	1.41
25	A	803	CLA	C1B-CHB	-2.39	1.34	1.41
25	c	619	CLA	C1B-CHB	-2.38	1.34	1.41
25	k	615	CLA	C1B-CHB	-2.38	1.34	1.41
25	k	613	CLA	C1B-CHB	-2.38	1.34	1.41
25	p	604	CLA	C1B-CHB	-2.38	1.34	1.41
25	e	610	CLA	C1B-CHB	-2.38	1.34	1.41
25	A	759	CLA	C1B-CHB	-2.38	1.34	1.41
25	B	740	CLA	C1B-CHB	-2.38	1.34	1.41
25	h	603	CLA	C1B-CHB	-2.38	1.34	1.41
25	e	605	CLA	C1B-CHB	-2.38	1.34	1.41
25	a	613	CLA	C1B-CHB	-2.38	1.34	1.41
25	n	609	CLA	C1B-CHB	-2.38	1.34	1.41
25	d	602	CLA	C1B-CHB	-2.38	1.34	1.41
25	A	802	CLA	C1B-CHB	-2.38	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	b	602	CLA	C1B-CHB	-2.38	1.34	1.41
25	i	610	CLA	C1B-CHB	-2.38	1.34	1.41
25	c	601	CLA	C1B-CHB	-2.38	1.34	1.41
25	f	609	CLA	C1B-CHB	-2.38	1.34	1.41
35	d	606	CHL	CBA-CGA	2.38	1.56	1.50
25	B	775	CLA	C1B-CHB	-2.38	1.34	1.41
25	k	611	CLA	C1B-CHB	-2.38	1.34	1.41
25	B	756	CLA	C1B-CHB	-2.38	1.34	1.41
25	g	614	CLA	C1B-CHB	-2.38	1.34	1.41
25	A	757	CLA	C1B-CHB	-2.37	1.34	1.41
25	A	806	CLA	C1B-CHB	-2.37	1.34	1.41
25	g	618	CLA	C1B-CHB	-2.37	1.34	1.41
25	o	609	CLA	C1B-CHB	-2.37	1.34	1.41
25	e	611	CLA	C1B-CHB	-2.37	1.34	1.41
25	i	610	CLA	C3B-C2B	-2.37	1.37	1.40
25	n	612	CLA	C1B-CHB	-2.37	1.34	1.41
25	A	780	CLA	C1B-CHB	-2.37	1.34	1.41
25	A	783	CLA	C1B-CHB	-2.37	1.34	1.41
25	A	805	CLA	C1B-CHB	-2.37	1.34	1.41
31	f	620	DD6	O1-C20	-2.37	1.42	1.46
25	B	784	CLA	C1B-CHB	-2.37	1.34	1.41
25	m	611	CLA	C1B-CHB	-2.37	1.34	1.41
25	i	609	CLA	C1B-CHB	-2.37	1.34	1.41
25	B	754	CLA	C1B-CHB	-2.37	1.34	1.41
25	B	753	CLA	C1B-CHB	-2.36	1.34	1.41
25	o	602	CLA	C1B-CHB	-2.36	1.34	1.41
25	f	615	CLA	C1B-CHB	-2.36	1.34	1.41
25	o	612	CLA	C1B-CHB	-2.36	1.34	1.41
25	i	611	CLA	C1B-CHB	-2.36	1.34	1.41
25	A	801	CLA	C1B-CHB	-2.36	1.34	1.41
31	n	621	DD6	C25-C26	-2.36	1.36	1.43
25	j	613	CLA	C1B-CHB	-2.36	1.34	1.41
25	o	612	CLA	C1D-ND	-2.36	1.34	1.37
25	p	608	CLA	C1B-CHB	-2.36	1.34	1.41
25	l	611	CLA	C1B-CHB	-2.36	1.34	1.41
25	n	608	CLA	C1B-CHB	-2.36	1.34	1.41
35	e	606	CHL	CBA-CGA	2.36	1.56	1.50
31	n	623	DD6	C8-C6	-2.36	1.40	1.45
25	B	782	CLA	C1B-CHB	-2.36	1.34	1.41
25	f	604	CLA	C1B-CHB	-2.36	1.34	1.41
25	g	604	CLA	C1B-CHB	-2.36	1.34	1.41
25	m	612	CLA	C1D-ND	-2.36	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	m	604	CLA	C1B-CHB	-2.36	1.34	1.41
25	B	757	CLA	C1B-CHB	-2.35	1.34	1.41
25	b	613	CLA	C1B-CHB	-2.35	1.34	1.41
35	d	605	CHL	CHC-C1C	2.35	1.41	1.35
25	A	804	CLA	C1B-CHB	-2.35	1.34	1.41
25	f	611	CLA	C1B-CHB	-2.35	1.34	1.41
25	A	798	CLA	C1B-CHB	-2.35	1.34	1.41
25	e	614	CLA	C1B-CHB	-2.35	1.34	1.41
29	B	762	BCR	C30-C25	-2.35	1.50	1.53
25	m	613	CLA	C1B-CHB	-2.34	1.34	1.41
25	l	617	CLA	C1B-CHB	-2.34	1.34	1.41
25	m	602	CLA	C1B-CHB	-2.34	1.34	1.41
35	e	606	CHL	CHC-C1C	2.34	1.41	1.35
29	A	792	BCR	C19-C18	-2.34	1.40	1.45
25	o	608	CLA	C1B-CHB	-2.34	1.34	1.41
25	b	610	CLA	C1B-CHB	-2.34	1.34	1.41
25	f	602	CLA	C1B-CHB	-2.34	1.34	1.41
25	A	774	CLA	C1B-CHB	-2.34	1.34	1.41
31	o	621	DD6	C35-C36	-2.34	1.47	1.51
31	f	620	DD6	C35-C36	-2.34	1.47	1.51
25	A	800	CLA	C1B-CHB	-2.33	1.34	1.41
25	j	610	CLA	C1B-CHB	-2.33	1.34	1.41
25	a	608	CLA	C1B-CHB	-2.33	1.34	1.41
25	k	602	CLA	C1B-CHB	-2.33	1.34	1.41
25	A	770	CLA	C1B-CHB	-2.33	1.34	1.41
25	i	613	CLA	C1B-CHB	-2.33	1.34	1.41
35	d	608	CHL	CBA-CGA	2.33	1.56	1.50
25	h	611	CLA	C1B-CHB	-2.33	1.34	1.41
25	p	602	CLA	MG-NC	2.33	2.11	2.06
31	e	623	DD6	C8-C6	-2.33	1.40	1.45
35	d	608	CHL	CHC-C1C	2.33	1.40	1.35
25	A	758	CLA	C1B-CHB	-2.33	1.34	1.41
25	j	603	CLA	C1D-ND	-2.33	1.34	1.37
25	f	608	CLA	C1B-CHB	-2.33	1.34	1.41
25	i	603	CLA	C1D-ND	-2.33	1.34	1.37
25	i	603	CLA	MG-NC	2.33	2.11	2.06
25	f	601	CLA	C1B-CHB	-2.33	1.34	1.41
25	d	614	CLA	C1B-CHB	-2.32	1.34	1.41
25	A	773	CLA	C1B-CHB	-2.32	1.34	1.41
25	B	782	CLA	C3B-C2B	-2.32	1.37	1.40
25	B	738	CLA	C1B-CHB	-2.32	1.34	1.41
25	B	777	CLA	C1B-CHB	-2.32	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	k	610	CLA	C1B-CHB	-2.32	1.34	1.41
25	k	601	CLA	C1B-CHB	-2.32	1.34	1.41
25	g	612	CLA	MG-NC	2.32	2.11	2.06
25	l	613	CLA	C1B-CHB	-2.32	1.34	1.41
25	p	613	CLA	C1B-CHB	-2.31	1.34	1.41
25	a	610	CLA	C1B-CHB	-2.31	1.34	1.41
31	n	620	DD6	C35-C36	-2.31	1.47	1.51
25	p	602	CLA	CHD-C1D	2.31	1.42	1.38
25	a	602	CLA	C1B-CHB	-2.30	1.34	1.41
34	b	182	DGD	C1E-C2E	2.30	1.59	1.52
25	j	603	CLA	MG-NC	2.30	2.11	2.06
25	p	601	CLA	C1B-CHB	-2.30	1.34	1.41
25	g	610	CLA	C1B-CHB	-2.29	1.34	1.41
35	d	606	CHL	CHC-C1C	2.29	1.40	1.35
31	m	620	DD6	C35-C36	-2.29	1.47	1.51
29	B	764	BCR	C1-C6	-2.29	1.50	1.53
25	d	613	CLA	C1B-CHB	-2.29	1.34	1.41
25	j	602	CLA	C1B-CHB	-2.29	1.34	1.41
25	B	737	CLA	C1B-CHB	-2.29	1.34	1.41
25	p	612	CLA	C1B-CHB	-2.29	1.34	1.41
25	g	602	CLA	C1B-CHB	-2.28	1.34	1.41
25	o	614	CLA	C1B-CHB	-2.28	1.34	1.41
31	l	620	DD6	C35-C36	-2.28	1.47	1.51
28	B	769	PQN	C2M-C2	-2.28	1.46	1.50
35	c	607	CHL	CHC-C1C	2.27	1.40	1.35
25	j	612	CLA	MG-NC	2.27	2.11	2.06
33	a	182	LMG	O8-C28	2.27	1.40	1.33
25	p	603	CLA	C1B-CHB	-2.27	1.34	1.41
33	B	786	LMG	O8-C28	2.27	1.40	1.33
25	f	609	CLA	MG-NC	2.27	2.11	2.06
31	o	620	DD6	C35-C36	-2.27	1.47	1.51
25	h	610	CLA	C1B-CHB	-2.27	1.34	1.41
31	i	625	DD6	C35-C36	-2.26	1.47	1.51
31	i	621	DD6	C19-C20	-2.26	1.48	1.52
25	f	615	CLA	MG-NC	2.26	2.11	2.06
25	l	603	CLA	MG-NC	2.26	2.11	2.06
25	m	612	CLA	MG-NC	2.26	2.11	2.06
35	d	605	CHL	C2-C3	2.25	1.38	1.32
25	m	603	CLA	MG-NC	2.25	2.11	2.06
25	g	608	CLA	MG-NC	2.25	2.11	2.06
31	e	623	DD6	C25-C26	-2.25	1.36	1.43
25	l	614	CLA	MG-NC	2.24	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	p	610	CLA	MG-NC	2.24	2.11	2.06
25	p	609	CLA	MG-NC	2.24	2.11	2.06
35	d	607	CHL	CHC-C1C	2.24	1.40	1.35
25	n	612	CLA	MG-NC	2.24	2.11	2.06
25	n	602	CLA	C1B-CHB	-2.23	1.34	1.41
25	n	604	CLA	MG-NC	2.23	2.11	2.06
25	A	782	CLA	MG-NC	2.23	2.11	2.06
25	n	603	CLA	MG-NC	2.22	2.11	2.06
25	p	613	CLA	MG-NC	2.22	2.11	2.06
31	c	621	DD6	C35-C36	-2.22	1.47	1.51
25	k	612	CLA	MG-NC	2.22	2.11	2.06
25	p	602	CLA	C3B-C2B	-2.21	1.37	1.40
31	m	621	DD6	C35-C36	-2.21	1.47	1.51
25	n	609	CLA	MG-NC	2.21	2.11	2.06
25	g	603	CLA	C1D-ND	-2.21	1.35	1.37
25	a	612	CLA	MG-NC	2.21	2.11	2.06
25	d	603	CLA	MG-NC	2.21	2.11	2.06
25	p	601	CLA	MG-NC	2.21	2.11	2.06
25	B	747	CLA	MG-NC	2.21	2.11	2.06
25	j	608	CLA	MG-NC	2.21	2.11	2.06
25	p	602	CLA	CAA-C2A	2.20	1.58	1.54
25	l	612	CLA	MG-NC	2.20	2.11	2.06
25	B	785	CLA	MG-NC	2.20	2.11	2.06
33	i	195	LMG	O8-C28	2.20	1.39	1.33
25	d	614	CLA	MG-NC	2.20	2.11	2.06
25	B	760	CLA	MG-NC	2.20	2.11	2.06
25	e	611	CLA	MG-NC	2.20	2.11	2.06
25	h	612	CLA	MG-NC	2.20	2.11	2.06
25	n	608	CLA	MG-NC	2.19	2.11	2.06
31	g	621	DD6	C19-C20	-2.19	1.48	1.52
30	A	795	SQD	O9-S	2.19	1.51	1.45
25	A	772	CLA	MG-NC	2.19	2.11	2.06
25	c	611	CLA	MG-NC	2.19	2.11	2.06
25	b	612	CLA	MG-NC	2.19	2.11	2.06
25	d	612	CLA	MG-NC	2.19	2.11	2.06
25	o	614	CLA	MG-NC	2.19	2.11	2.06
25	e	601	CLA	MG-NC	2.19	2.11	2.06
25	l	601	CLA	MG-NC	2.19	2.11	2.06
31	e	621	DD6	C19-C20	-2.19	1.49	1.52
25	A	774	CLA	MG-NC	2.19	2.11	2.06
25	d	604	CLA	MG-NC	2.19	2.11	2.06
25	A	767	CLA	MG-NC	2.18	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	i	612	CLA	MG-NC	2.18	2.11	2.06
25	e	609	CLA	MG-NC	2.18	2.11	2.06
25	n	605	CLA	MG-NC	2.18	2.11	2.06
25	A	762	CLA	MG-NC	2.18	2.11	2.06
34	b	182	DGD	C3D-C2D	2.18	1.57	1.52
25	a	601	CLA	MG-NC	2.18	2.11	2.06
25	c	616	CLA	MG-NC	2.18	2.11	2.06
25	n	607	CLA	MG-NC	2.18	2.11	2.06
25	b	601	CLA	MG-NC	2.18	2.11	2.06
25	c	604	CLA	MG-NC	2.18	2.11	2.06
25	e	603	CLA	MG-NC	2.18	2.11	2.06
25	p	608	CLA	MG-NC	2.18	2.11	2.06
25	f	601	CLA	MG-NC	2.17	2.11	2.06
25	c	603	CLA	MG-NC	2.17	2.11	2.06
25	A	775	CLA	MG-NC	2.17	2.11	2.06
25	A	804	CLA	MG-NC	2.17	2.11	2.06
30	c	245	SQD	O9-S	2.17	1.51	1.45
25	f	610	CLA	MG-NC	2.17	2.11	2.06
31	g	620	DD6	C35-C36	-2.17	1.47	1.51
25	c	612	CLA	MG-NC	2.17	2.11	2.06
29	B	767	BCR	C30-C25	-2.17	1.50	1.53
25	m	604	CLA	MG-NC	2.17	2.11	2.06
25	h	608	CLA	MG-NC	2.17	2.11	2.06
25	g	601	CLA	MG-NC	2.17	2.11	2.06
25	A	764	CLA	MG-NC	2.17	2.11	2.06
25	B	754	CLA	MG-NC	2.17	2.11	2.06
28	A	785	PQN	C11-C12	-2.17	1.47	1.50
25	b	611	CLA	MG-NC	2.17	2.11	2.06
35	d	606	CHL	MG-NC	2.17	2.11	2.06
25	e	612	CLA	MG-NC	2.17	2.11	2.06
30	g	190	SQD	O9-S	2.17	1.51	1.45
25	B	768	CLA	MG-NC	2.16	2.11	2.06
25	B	782	CLA	MG-NC	2.16	2.11	2.06
25	a	603	CLA	MG-NC	2.16	2.11	2.06
25	o	601	CLA	MG-NC	2.16	2.11	2.06
25	A	776	CLA	MG-NC	2.16	2.11	2.06
25	j	604	CLA	MG-NC	2.16	2.11	2.06
25	A	807	CLA	MG-NC	2.16	2.11	2.06
25	b	605	CLA	MG-NC	2.16	2.11	2.06
25	m	601	CLA	C1D-ND	-2.16	1.35	1.37
25	f	611	CLA	MG-NC	2.16	2.11	2.06
25	a	611	CLA	MG-NC	2.16	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	j	621	DD6	C19-C20	-2.16	1.49	1.52
25	A	793	CLA	MG-NC	2.16	2.11	2.06
25	B	741	CLA	MG-NC	2.16	2.11	2.06
25	k	608	CLA	MG-NC	2.16	2.11	2.06
25	o	602	CLA	MG-NC	2.16	2.11	2.06
30	A	795	SQD	O7-S	2.16	1.51	1.45
25	m	611	CLA	MG-NC	2.16	2.11	2.06
25	f	613	CLA	MG-NC	2.16	2.11	2.06
25	c	619	CLA	MG-NC	2.15	2.11	2.06
25	e	613	CLA	MG-NC	2.15	2.11	2.06
25	l	617	CLA	MG-NC	2.15	2.11	2.06
25	o	612	CLA	MG-NC	2.15	2.11	2.06
25	n	613	CLA	MG-NC	2.15	2.11	2.06
25	c	614	CLA	MG-NC	2.15	2.11	2.06
25	k	611	CLA	MG-NC	2.15	2.11	2.06
25	B	771	CLA	MG-NC	2.15	2.11	2.06
35	e	606	CHL	MG-NC	2.15	2.11	2.06
25	j	614	CLA	MG-NC	2.15	2.11	2.06
25	f	608	CLA	MG-NC	2.14	2.11	2.06
25	k	601	CLA	MG-NC	2.14	2.11	2.06
25	J	101	CLA	MG-NC	2.14	2.11	2.06
25	e	614	CLA	MG-NC	2.14	2.11	2.06
25	f	604	CLA	MG-NC	2.14	2.11	2.06
25	f	614	CLA	MG-NC	2.14	2.11	2.06
25	o	609	CLA	MG-NC	2.14	2.11	2.06
25	h	604	CLA	MG-NC	2.14	2.11	2.06
25	A	765	CLA	MG-NC	2.14	2.11	2.06
25	l	608	CLA	MG-NC	2.14	2.11	2.06
25	m	613	CLA	MG-NC	2.14	2.11	2.06
31	j	620	DD6	C19-C20	-2.14	1.49	1.52
25	B	778	CLA	MG-NC	2.14	2.11	2.06
25	p	604	CLA	MG-NC	2.14	2.11	2.06
25	B	772	CLA	MG-NC	2.14	2.11	2.06
31	i	620	DD6	C19-C20	-2.14	1.49	1.52
25	k	614	CLA	MG-NC	2.14	2.11	2.06
25	B	770	CLA	MG-NC	2.13	2.11	2.06
30	j	200	SQD	O9-S	2.13	1.51	1.45
25	m	608	CLA	MG-NC	2.13	2.11	2.06
25	B	777	CLA	MG-NC	2.13	2.11	2.06
25	b	603	CLA	MG-NC	2.13	2.11	2.06
25	l	613	CLA	MG-NC	2.13	2.11	2.06
25	d	611	CLA	MG-NC	2.13	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	l	604	CLA	MG-NC	2.13	2.11	2.06
25	l	611	CLA	MG-NC	2.13	2.11	2.06
34	b	182	DGD	O2G-C1B	2.13	1.40	1.34
25	A	778	CLA	MG-NC	2.13	2.11	2.06
25	A	780	CLA	MG-NC	2.13	2.11	2.06
25	b	608	CLA	MG-NC	2.13	2.11	2.06
25	b	613	CLA	MG-NC	2.13	2.11	2.06
34	b	182	DGD	C3E-C2E	2.13	1.57	1.52
25	i	615	CLA	MG-NC	2.13	2.11	2.06
25	o	604	CLA	MG-NC	2.13	2.11	2.06
25	a	604	CLA	MG-NC	2.13	2.11	2.06
31	f	621	DD6	C35-C36	-2.13	1.47	1.51
25	g	615	CLA	MG-NC	2.12	2.11	2.06
35	c	607	CHL	C3B-CAB	-2.12	1.43	1.47
35	d	607	CHL	MG-NC	2.12	2.11	2.06
25	k	615	CLA	MG-NC	2.12	2.11	2.06
25	B	742	CLA	MG-NC	2.12	2.11	2.06
25	a	619	CLA	MG-NC	2.12	2.11	2.06
25	c	606	CLA	MG-NC	2.12	2.11	2.06
25	b	610	CLA	MG-NC	2.12	2.11	2.06
25	g	614	CLA	MG-NC	2.12	2.11	2.06
25	A	800	CLA	MG-NC	2.12	2.11	2.06
25	o	613	CLA	MG-NC	2.12	2.11	2.06
25	b	609	CLA	MG-NC	2.12	2.11	2.06
31	n	620	DD6	O1-C20	-2.11	1.43	1.46
35	d	608	CHL	MG-NC	2.11	2.11	2.06
25	g	618	CLA	MG-NC	2.11	2.11	2.06
25	B	776	CLA	MG-NC	2.11	2.11	2.06
25	h	615	CLA	MG-NC	2.11	2.11	2.06
25	B	736	CLA	MG-NC	2.11	2.11	2.06
25	i	614	CLA	MG-NC	2.11	2.11	2.06
25	B	743	CLA	MG-NC	2.11	2.11	2.06
25	k	603	CLA	MG-NC	2.11	2.11	2.06
25	m	610	CLA	MG-NC	2.11	2.11	2.06
25	B	779	CLA	MG-NC	2.11	2.11	2.06
25	B	783	CLA	MG-NC	2.11	2.11	2.06
25	A	757	CLA	MG-NC	2.11	2.11	2.06
35	d	608	CHL	C3B-CAB	-2.11	1.43	1.47
25	A	777	CLA	MG-NC	2.11	2.11	2.06
25	n	610	CLA	MG-NC	2.11	2.11	2.06
33	k	179	LMG	O8-C28	2.10	1.39	1.33
25	e	604	CLA	MG-NC	2.10	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	g	613	CLA	MG-NC	2.10	2.11	2.06
25	h	611	CLA	MG-NC	2.10	2.11	2.06
25	A	808	CLA	MG-NC	2.10	2.11	2.06
25	c	609	CLA	MG-NC	2.10	2.11	2.06
25	p	610	CLA	CAA-C2A	2.10	1.58	1.54
25	d	601	CLA	MG-NC	2.10	2.11	2.06
25	B	746	CLA	MG-NC	2.10	2.11	2.06
25	e	605	CLA	MG-NC	2.10	2.11	2.06
25	i	604	CLA	MG-NC	2.10	2.11	2.06
25	B	759	CLA	MG-NC	2.10	2.11	2.06
25	A	779	CLA	MG-NC	2.10	2.11	2.06
25	o	608	CLA	MG-NC	2.10	2.11	2.06
35	d	605	CHL	MG-NC	2.10	2.11	2.06
31	c	620	DD6	C19-C20	-2.09	1.49	1.52
25	d	613	CLA	MG-NC	2.09	2.11	2.06
25	k	613	CLA	MG-NC	2.09	2.11	2.06
25	g	604	CLA	MG-NC	2.09	2.11	2.06
28	B	761	PQN	C11-C3	-2.09	1.48	1.51
25	i	601	CLA	MG-NC	2.09	2.11	2.06
25	B	749	CLA	MG-NC	2.09	2.11	2.06
25	a	608	CLA	MG-NC	2.09	2.11	2.06
25	i	609	CLA	MG-NC	2.09	2.11	2.06
25	A	752	CLA	MG-NC	2.09	2.11	2.06
25	A	755	CLA	MG-NC	2.09	2.11	2.06
25	b	602	CLA	MG-NC	2.09	2.11	2.06
34	b	182	DGD	C4E-C3E	2.09	1.57	1.52
25	k	618	CLA	MG-NC	2.09	2.11	2.06
25	d	610	CLA	MG-NC	2.09	2.11	2.06
25	i	611	CLA	MG-NC	2.09	2.11	2.06
30	j	200	SQD	O7-S	2.09	1.51	1.45
25	h	603	CLA	MG-NC	2.08	2.11	2.06
25	k	604	CLA	MG-NC	2.08	2.11	2.06
31	c	623	DD6	O1-C20	-2.08	1.43	1.46
25	j	615	CLA	MG-NC	2.08	2.11	2.06
25	j	618	CLA	MG-NC	2.08	2.11	2.06
30	g	190	SQD	O7-S	2.08	1.51	1.45
25	o	610	CLA	MG-NC	2.08	2.11	2.06
30	c	245	SQD	C8-C7	2.08	1.56	1.50
25	c	601	CLA	MG-NC	2.08	2.11	2.06
25	B	748	CLA	MG-NC	2.08	2.11	2.06
35	d	607	CHL	C3B-CAB	-2.08	1.43	1.47
25	B	752	CLA	MG-NC	2.08	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	753	CLA	MG-NC	2.08	2.11	2.06
25	A	798	CLA	MG-NC	2.08	2.11	2.06
29	A	787	BCR	C1-C6	-2.08	1.50	1.53
25	p	612	CLA	MG-NC	2.08	2.11	2.06
25	h	609	CLA	MG-NC	2.08	2.11	2.06
25	B	738	CLA	MG-NC	2.08	2.11	2.06
25	i	608	CLA	MG-NC	2.08	2.11	2.06
25	h	602	CLA	MG-NC	2.07	2.11	2.06
25	j	601	CLA	MG-NC	2.07	2.11	2.06
25	B	774	CLA	MG-NC	2.07	2.11	2.06
25	c	613	CLA	MG-NC	2.07	2.11	2.06
25	B	744	CLA	MG-NC	2.07	2.11	2.06
25	B	740	CLA	MG-NC	2.07	2.11	2.06
34	e	205	DGD	O2G-C2G	-2.07	1.41	1.46
25	A	803	CLA	MG-NC	2.07	2.11	2.06
25	m	609	CLA	MG-NC	2.07	2.11	2.06
25	A	761	CLA	MG-NC	2.07	2.11	2.06
25	b	604	CLA	MG-NC	2.07	2.11	2.06
25	A	759	CLA	MG-NC	2.07	2.11	2.06
25	d	609	CLA	MG-NC	2.06	2.11	2.06
25	A	766	CLA	MG-NC	2.06	2.11	2.06
33	B	786	LMG	O7-C8	-2.06	1.41	1.46
25	j	609	CLA	MG-NC	2.06	2.11	2.06
25	B	780	CLA	MG-NC	2.06	2.11	2.06
25	A	773	CLA	MG-NC	2.06	2.11	2.06
25	A	791	CLA	MG-NC	2.06	2.11	2.06
25	g	609	CLA	MG-NC	2.06	2.11	2.06
25	e	602	CLA	MG-NC	2.06	2.11	2.06
25	l	602	CLA	MG-NC	2.06	2.11	2.06
25	h	618	CLA	MG-NC	2.06	2.11	2.06
25	k	609	CLA	MG-NC	2.05	2.11	2.06
25	e	610	CLA	MG-NC	2.05	2.11	2.06
25	B	745	CLA	MG-NC	2.05	2.11	2.06
25	p	603	CLA	C1D-ND	-2.05	1.35	1.37
25	B	755	CLA	MG-NC	2.05	2.11	2.06
25	e	607	CLA	MG-NC	2.05	2.11	2.06
25	a	609	CLA	MG-NC	2.05	2.11	2.06
25	e	608	CLA	MG-NC	2.05	2.11	2.06
29	A	788	BCR	C15-C14	-2.05	1.37	1.43
25	k	610	CLA	MG-NC	2.05	2.11	2.06
29	B	764	BCR	C30-C25	-2.04	1.51	1.53
25	c	608	CLA	MG-NC	2.04	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	769	CLA	MG-NC	2.04	2.11	2.06
25	g	610	CLA	MG-NC	2.04	2.11	2.06
25	B	775	CLA	MG-NC	2.04	2.11	2.06
25	B	781	CLA	MG-NC	2.04	2.11	2.06
25	h	614	CLA	MG-NC	2.04	2.11	2.06
25	A	771	CLA	MG-NC	2.04	2.11	2.06
25	c	602	CLA	C3D-C4D	-2.04	1.39	1.44
25	j	611	CLA	MG-NC	2.04	2.11	2.06
25	B	758	CLA	MG-NC	2.04	2.11	2.06
25	A	770	CLA	MG-NC	2.03	2.11	2.06
25	g	611	CLA	MG-NC	2.03	2.11	2.06
25	l	609	CLA	MG-NC	2.03	2.11	2.06
25	c	610	CLA	MG-NC	2.03	2.11	2.06
25	A	768	CLA	MG-NC	2.03	2.11	2.06
30	c	245	SQD	O7-S	2.03	1.51	1.45
31	m	621	DD6	C19-C20	-2.03	1.49	1.52
25	B	739	CLA	MG-NC	2.03	2.11	2.06
25	A	784	CLA	MG-NC	2.03	2.11	2.06
25	A	768	CLA	C3D-C4D	-2.03	1.39	1.44
25	k	602	CLA	MG-NC	2.03	2.11	2.06
25	c	602	CLA	MG-NC	2.02	2.11	2.06
35	e	606	CHL	C3B-CAB	-2.02	1.43	1.47
25	A	758	CLA	C3D-C4D	-2.02	1.39	1.44
25	A	801	CLA	MG-NC	2.02	2.11	2.06
25	B	784	CLA	MG-NC	2.02	2.11	2.06
29	A	788	BCR	C20-C21	-2.02	1.37	1.43
25	B	756	CLA	MG-NC	2.02	2.11	2.06
25	A	783	CLA	MG-NC	2.02	2.11	2.06
25	i	613	CLA	MG-NC	2.02	2.11	2.06
25	f	602	CLA	MG-NC	2.02	2.11	2.06
25	A	799	CLA	MG-NC	2.02	2.11	2.06
25	g	602	CLA	MG-NC	2.02	2.11	2.06
25	n	608	CLA	CAA-C2A	2.01	1.57	1.53
25	A	806	CLA	MG-NC	2.01	2.11	2.06
25	A	794	CLA	MG-NC	2.01	2.11	2.06
25	A	760	CLA	C3D-C4D	-2.01	1.39	1.44
25	o	601	CLA	CAA-C2A	2.01	1.57	1.53
35	c	607	CHL	MG-NC	2.01	2.11	2.06
25	B	773	CLA	MG-NC	2.01	2.11	2.06
25	h	601	CLA	MG-NC	2.01	2.11	2.06
34	b	182	DGD	O1G-C1A	2.00	1.39	1.33
25	i	602	CLA	C3D-C4D	-2.00	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	c	619	CLA	CAA-C2A	2.00	1.57	1.53

All (3391) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	774	CLA	C4A-NA-C1A	11.56	111.90	106.71
25	k	603	CLA	C4A-NA-C1A	11.50	111.88	106.71
25	B	737	CLA	C4A-NA-C1A	11.20	111.74	106.71
25	o	612	CLA	C4A-NA-C1A	11.17	111.73	106.71
25	A	777	CLA	C4A-NA-C1A	11.10	111.70	106.71
35	e	606	CHL	C4A-NA-C1A	11.10	111.70	106.71
25	l	617	CLA	C4A-NA-C1A	11.01	111.66	106.71
25	A	766	CLA	C4A-NA-C1A	10.97	111.64	106.71
35	c	607	CHL	C4A-NA-C1A	10.96	111.63	106.71
25	B	782	CLA	C4A-NA-C1A	10.95	111.63	106.71
35	d	606	CHL	C4A-NA-C1A	10.89	111.60	106.71
25	p	602	CLA	C4A-NA-C1A	10.83	111.58	106.71
25	A	761	CLA	C4A-NA-C1A	10.79	111.56	106.71
25	B	745	CLA	C4A-NA-C1A	10.78	111.55	106.71
25	c	619	CLA	C4A-NA-C1A	10.75	111.54	106.71
35	d	605	CHL	C4A-NA-C1A	10.72	111.53	106.71
25	A	807	CLA	C4A-NA-C1A	10.71	111.52	106.71
25	h	603	CLA	C4A-NA-C1A	10.68	111.51	106.71
25	A	808	CLA	C4A-NA-C1A	10.66	111.50	106.71
25	d	601	CLA	C4A-NA-C1A	10.65	111.50	106.71
25	n	612	CLA	C4A-NA-C1A	10.64	111.49	106.71
25	B	738	CLA	C4A-NA-C1A	10.59	111.47	106.71
25	f	608	CLA	C4A-NA-C1A	10.59	111.47	106.71
25	d	603	CLA	C4A-NA-C1A	10.57	111.46	106.71
25	m	604	CLA	C4A-NA-C1A	10.56	111.45	106.71
25	f	611	CLA	C4A-NA-C1A	10.53	111.44	106.71
25	B	741	CLA	C4A-NA-C1A	10.53	111.44	106.71
25	e	612	CLA	C4A-NA-C1A	10.50	111.42	106.71
25	A	798	CLA	C4A-NA-C1A	10.48	111.42	106.71
25	h	615	CLA	C4A-NA-C1A	10.44	111.40	106.71
25	A	757	CLA	C4A-NA-C1A	10.44	111.40	106.71
25	A	801	CLA	C4A-NA-C1A	10.41	111.39	106.71
25	A	771	CLA	C4A-NA-C1A	10.38	111.37	106.71
25	j	608	CLA	C4A-NA-C1A	10.38	111.37	106.71
25	n	609	CLA	C4A-NA-C1A	10.38	111.37	106.71
25	k	608	CLA	C4A-NA-C1A	10.36	111.36	106.71
25	a	612	CLA	C4A-NA-C1A	10.35	111.36	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	i	608	CLA	C4A-NA-C1A	10.34	111.35	106.71
25	A	793	CLA	C4A-NA-C1A	10.33	111.35	106.71
25	B	781	CLA	C4A-NA-C1A	10.32	111.34	106.71
25	B	772	CLA	C4A-NA-C1A	10.31	111.34	106.71
25	B	784	CLA	C4A-NA-C1A	10.31	111.34	106.71
25	l	614	CLA	C4A-NA-C1A	10.30	111.34	106.71
25	j	604	CLA	C4A-NA-C1A	10.30	111.34	106.71
25	d	612	CLA	C4A-NA-C1A	10.29	111.33	106.71
25	j	618	CLA	C4A-NA-C1A	10.29	111.33	106.71
25	B	774	CLA	C4A-NA-C1A	10.28	111.33	106.71
25	j	615	CLA	C4A-NA-C1A	10.26	111.32	106.71
25	k	615	CLA	C4A-NA-C1A	10.26	111.32	106.71
25	l	603	CLA	C4A-NA-C1A	10.26	111.32	106.71
25	A	759	CLA	C4A-NA-C1A	10.25	111.31	106.71
25	n	602	CLA	C4A-NA-C1A	10.23	111.31	106.71
25	B	780	CLA	C4A-NA-C1A	10.23	111.30	106.71
25	B	779	CLA	C4A-NA-C1A	10.22	111.30	106.71
25	c	612	CLA	C4A-NA-C1A	10.21	111.30	106.71
25	i	609	CLA	C4A-NA-C1A	10.21	111.29	106.71
25	g	612	CLA	C4A-NA-C1A	10.20	111.29	106.71
25	d	609	CLA	C4A-NA-C1A	10.18	111.28	106.71
35	d	607	CHL	C4A-NA-C1A	10.18	111.28	106.71
25	k	613	CLA	C4A-NA-C1A	10.17	111.28	106.71
25	i	615	CLA	C4A-NA-C1A	10.16	111.28	106.71
25	B	756	CLA	C4A-NA-C1A	10.15	111.27	106.71
25	g	613	CLA	C4A-NA-C1A	10.15	111.27	106.71
25	f	603	CLA	C4A-NA-C1A	10.15	111.27	106.71
25	l	609	CLA	C4A-NA-C1A	10.15	111.27	106.71
25	b	603	CLA	C4A-NA-C1A	10.14	111.26	106.71
25	f	615	CLA	C4A-NA-C1A	10.13	111.26	106.71
25	g	608	CLA	C4A-NA-C1A	10.12	111.26	106.71
25	m	612	CLA	C4A-NA-C1A	10.12	111.25	106.71
25	e	605	CLA	C4A-NA-C1A	10.11	111.25	106.71
25	i	611	CLA	C4A-NA-C1A	10.11	111.25	106.71
25	B	783	CLA	C4A-NA-C1A	10.11	111.25	106.71
25	i	612	CLA	C4A-NA-C1A	10.10	111.25	106.71
25	B	760	CLA	C4A-NA-C1A	10.09	111.24	106.71
25	g	615	CLA	C4A-NA-C1A	10.09	111.24	106.71
25	b	605	CLA	C4A-NA-C1A	10.08	111.24	106.71
25	h	608	CLA	C4A-NA-C1A	10.08	111.24	106.71
25	A	767	CLA	C4A-NA-C1A	10.08	111.24	106.71
25	B	746	CLA	C4A-NA-C1A	10.07	111.23	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	803	CLA	C4A-NA-C1A	10.07	111.23	106.71
25	J	101	CLA	C4A-NA-C1A	10.06	111.23	106.71
25	A	778	CLA	C4A-NA-C1A	10.06	111.23	106.71
25	A	760	CLA	C4A-NA-C1A	10.06	111.23	106.71
25	h	604	CLA	C4A-NA-C1A	10.05	111.22	106.71
25	n	603	CLA	C4A-NA-C1A	10.05	111.22	106.71
25	o	609	CLA	C4A-NA-C1A	10.05	111.22	106.71
25	l	612	CLA	C4A-NA-C1A	10.03	111.22	106.71
25	A	779	CLA	C4A-NA-C1A	10.03	111.22	106.71
25	A	762	CLA	C4A-NA-C1A	10.02	111.21	106.71
25	e	607	CLA	C4A-NA-C1A	10.01	111.21	106.71
25	b	612	CLA	C4A-NA-C1A	10.01	111.21	106.71
25	o	613	CLA	C4A-NA-C1A	10.01	111.20	106.71
35	d	608	CHL	C4A-NA-C1A	10.00	111.20	106.71
25	g	614	CLA	C4A-NA-C1A	9.99	111.20	106.71
25	B	739	CLA	C4A-NA-C1A	9.99	111.20	106.71
25	c	609	CLA	C4A-NA-C1A	9.98	111.19	106.71
25	o	608	CLA	C4A-NA-C1A	9.98	111.19	106.71
25	B	776	CLA	C4A-NA-C1A	9.97	111.19	106.71
25	a	610	CLA	C4A-NA-C1A	9.97	111.19	106.71
25	A	758	CLA	C4A-NA-C1A	9.97	111.19	106.71
25	B	750	CLA	C4A-NA-C1A	9.96	111.18	106.71
25	p	608	CLA	C4A-NA-C1A	9.95	111.18	106.71
25	j	603	CLA	C4A-NA-C1A	9.94	111.18	106.71
25	d	613	CLA	C4A-NA-C1A	9.94	111.17	106.71
25	e	601	CLA	C4A-NA-C1A	9.94	111.17	106.71
25	l	611	CLA	C4A-NA-C1A	9.94	111.17	106.71
25	A	755	CLA	C4A-NA-C1A	9.93	111.17	106.71
25	d	602	CLA	C4A-NA-C1A	9.92	111.17	106.71
25	A	765	CLA	C4A-NA-C1A	9.92	111.17	106.71
25	a	611	CLA	C4A-NA-C1A	9.91	111.16	106.71
25	b	604	CLA	C4A-NA-C1A	9.91	111.16	106.71
25	B	754	CLA	C4A-NA-C1A	9.91	111.16	106.71
25	k	612	CLA	C4A-NA-C1A	9.90	111.16	106.71
25	o	603	CLA	C4A-NA-C1A	9.90	111.16	106.71
25	j	614	CLA	C4A-NA-C1A	9.89	111.15	106.71
25	k	618	CLA	C4A-NA-C1A	9.89	111.15	106.71
25	B	752	CLA	C4A-NA-C1A	9.89	111.15	106.71
25	e	609	CLA	C4A-NA-C1A	9.88	111.15	106.71
25	h	601	CLA	C4A-NA-C1A	9.88	111.15	106.71
25	B	768	CLA	C4A-NA-C1A	9.88	111.15	106.71
25	j	609	CLA	C4A-NA-C1A	9.87	111.14	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	n	606	CLA	C4A-NA-C1A	9.87	111.14	106.71
25	m	608	CLA	C4A-NA-C1A	9.86	111.14	106.71
25	A	782	CLA	C4A-NA-C1A	9.85	111.14	106.71
25	e	603	CLA	C4A-NA-C1A	9.85	111.13	106.71
25	b	601	CLA	C4A-NA-C1A	9.85	111.13	106.71
25	a	619	CLA	C4A-NA-C1A	9.84	111.13	106.71
25	h	612	CLA	C4A-NA-C1A	9.84	111.13	106.71
25	b	611	CLA	C4A-NA-C1A	9.84	111.13	106.71
25	j	611	CLA	C4A-NA-C1A	9.83	111.13	106.71
25	a	603	CLA	C4A-NA-C1A	9.82	111.12	106.71
25	A	797	CLA	C4A-NA-C1A	9.82	111.12	106.71
25	B	773	CLA	C4A-NA-C1A	9.80	111.11	106.71
25	n	604	CLA	C4A-NA-C1A	9.80	111.11	106.71
25	j	602	CLA	C4A-NA-C1A	9.80	111.11	106.71
25	B	755	CLA	C4A-NA-C1A	9.79	111.11	106.71
25	o	602	CLA	C4A-NA-C1A	9.78	111.10	106.71
25	n	605	CLA	C4A-NA-C1A	9.78	111.10	106.71
25	d	610	CLA	C4A-NA-C1A	9.78	111.10	106.71
25	B	743	CLA	C4A-NA-C1A	9.77	111.10	106.71
25	p	604	CLA	C4A-NA-C1A	9.77	111.10	106.71
25	g	611	CLA	C4A-NA-C1A	9.77	111.10	106.71
25	i	601	CLA	C4A-NA-C1A	9.76	111.10	106.71
25	b	613	CLA	C4A-NA-C1A	9.72	111.08	106.71
25	l	608	CLA	C4A-NA-C1A	9.72	111.08	106.71
25	B	742	CLA	C4A-NA-C1A	9.72	111.08	106.71
25	m	609	CLA	C4A-NA-C1A	9.72	111.08	106.71
25	c	603	CLA	C4A-NA-C1A	9.72	111.07	106.71
25	d	611	CLA	C4A-NA-C1A	9.71	111.07	106.71
25	f	610	CLA	C4A-NA-C1A	9.66	111.05	106.71
25	c	606	CLA	C4A-NA-C1A	9.66	111.05	106.71
25	e	604	CLA	C4A-NA-C1A	9.66	111.05	106.71
25	c	604	CLA	C4A-NA-C1A	9.65	111.05	106.71
25	a	609	CLA	C4A-NA-C1A	9.64	111.04	106.71
25	A	764	CLA	C4A-NA-C1A	9.63	111.04	106.71
25	A	773	CLA	C4A-NA-C1A	9.63	111.03	106.71
25	a	613	CLA	C4A-NA-C1A	9.62	111.03	106.71
25	h	609	CLA	C4A-NA-C1A	9.62	111.03	106.71
25	k	614	CLA	C4A-NA-C1A	9.60	111.02	106.71
25	c	611	CLA	C4A-NA-C1A	9.59	111.02	106.71
25	A	799	CLA	C4A-NA-C1A	9.59	111.02	106.71
25	A	806	CLA	C4A-NA-C1A	9.57	111.01	106.71
25	p	609	CLA	C4A-NA-C1A	9.57	111.01	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	h	611	CLA	C4A-NA-C1A	9.57	111.01	106.71
25	g	618	CLA	C4A-NA-C1A	9.56	111.00	106.71
25	p	613	CLA	C4A-NA-C1A	9.56	111.00	106.71
25	B	748	CLA	C4A-NA-C1A	9.55	111.00	106.71
25	B	771	CLA	C4A-NA-C1A	9.54	111.00	106.71
25	b	609	CLA	C4A-NA-C1A	9.54	110.99	106.71
25	n	607	CLA	C4A-NA-C1A	9.52	110.98	106.71
25	g	601	CLA	C4A-NA-C1A	9.51	110.98	106.71
25	A	763	CLA	C4A-NA-C1A	9.50	110.98	106.71
25	B	770	CLA	C4A-NA-C1A	9.50	110.98	106.71
25	A	804	CLA	C4A-NA-C1A	9.49	110.97	106.71
25	j	612	CLA	C4A-NA-C1A	9.49	110.97	106.71
25	e	610	CLA	C4A-NA-C1A	9.49	110.97	106.71
25	b	608	CLA	C4A-NA-C1A	9.49	110.97	106.71
25	B	740	CLA	C4A-NA-C1A	9.48	110.97	106.71
25	e	613	CLA	C4A-NA-C1A	9.45	110.95	106.71
25	h	618	CLA	C4A-NA-C1A	9.44	110.95	106.71
25	b	602	CLA	C4A-NA-C1A	9.44	110.95	106.71
25	k	604	CLA	C4A-NA-C1A	9.44	110.95	106.71
25	e	614	CLA	C4A-NA-C1A	9.43	110.95	106.71
25	B	744	CLA	C4A-NA-C1A	9.43	110.94	106.71
25	l	613	CLA	C4A-NA-C1A	9.42	110.94	106.71
25	A	780	CLA	C4A-NA-C1A	9.41	110.94	106.71
25	B	747	CLA	C4A-NA-C1A	9.40	110.93	106.71
25	A	768	CLA	C4A-NA-C1A	9.39	110.93	106.71
25	d	604	CLA	C4A-NA-C1A	9.39	110.93	106.71
25	f	604	CLA	C4A-NA-C1A	9.39	110.93	106.71
25	m	613	CLA	C4A-NA-C1A	9.38	110.92	106.71
25	c	616	CLA	C4A-NA-C1A	9.37	110.92	106.71
25	g	609	CLA	C4A-NA-C1A	9.36	110.91	106.71
25	A	775	CLA	C4A-NA-C1A	9.36	110.91	106.71
25	k	611	CLA	C4A-NA-C1A	9.35	110.91	106.71
25	h	602	CLA	C4A-NA-C1A	9.34	110.91	106.71
25	k	609	CLA	C4A-NA-C1A	9.32	110.90	106.71
25	o	604	CLA	C4A-NA-C1A	9.31	110.89	106.71
25	b	610	CLA	C4A-NA-C1A	9.30	110.89	106.71
25	c	613	CLA	C4A-NA-C1A	9.30	110.89	106.71
25	A	772	CLA	C4A-NA-C1A	9.29	110.88	106.71
25	c	610	CLA	C4A-NA-C1A	9.29	110.88	106.71
25	i	602	CLA	C4A-NA-C1A	9.27	110.87	106.71
25	k	601	CLA	C4A-NA-C1A	9.27	110.87	106.71
25	f	609	CLA	C4A-NA-C1A	9.26	110.87	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	k	602	CLA	C4A-NA-C1A	9.26	110.87	106.71
25	i	604	CLA	C4A-NA-C1A	9.25	110.86	106.71
25	i	613	CLA	C4A-NA-C1A	9.22	110.85	106.71
25	a	608	CLA	C4A-NA-C1A	9.22	110.85	106.71
25	A	800	CLA	C4A-NA-C1A	9.21	110.85	106.71
25	a	604	CLA	C4A-NA-C1A	9.21	110.85	106.71
25	o	614	CLA	C4A-NA-C1A	9.21	110.85	106.71
25	h	613	CLA	C4A-NA-C1A	9.21	110.85	106.71
25	B	749	CLA	C4A-NA-C1A	9.21	110.84	106.71
25	A	776	CLA	C4A-NA-C1A	9.20	110.84	106.71
25	n	608	CLA	C4A-NA-C1A	9.20	110.84	106.71
25	c	614	CLA	C4A-NA-C1A	9.20	110.84	106.71
25	A	794	CLA	C4A-NA-C1A	9.19	110.84	106.71
25	B	785	CLA	C4A-NA-C1A	9.18	110.83	106.71
25	B	758	CLA	C4A-NA-C1A	9.18	110.83	106.71
25	i	603	CLA	C4A-NA-C1A	9.15	110.82	106.71
25	f	613	CLA	C4A-NA-C1A	9.14	110.81	106.71
25	A	752	CLA	C4A-NA-C1A	9.11	110.80	106.71
25	g	603	CLA	C4A-NA-C1A	9.10	110.80	106.71
25	e	602	CLA	C4A-NA-C1A	9.09	110.79	106.71
25	j	613	CLA	C4A-NA-C1A	9.07	110.78	106.71
25	h	614	CLA	C4A-NA-C1A	9.06	110.78	106.71
25	g	610	CLA	C4A-NA-C1A	9.05	110.78	106.71
25	l	601	CLA	C4A-NA-C1A	9.05	110.77	106.71
25	c	601	CLA	C4A-NA-C1A	9.04	110.77	106.71
25	m	603	CLA	C4A-NA-C1A	9.03	110.76	106.71
25	c	608	CLA	C4A-NA-C1A	9.01	110.76	106.71
25	f	614	CLA	C4A-NA-C1A	9.00	110.75	106.71
25	j	601	CLA	C4A-NA-C1A	8.99	110.75	106.71
25	l	602	CLA	C4A-NA-C1A	8.98	110.74	106.71
25	A	770	CLA	C4A-NA-C1A	8.98	110.74	106.71
25	d	614	CLA	C4A-NA-C1A	8.97	110.74	106.71
25	A	753	CLA	C4A-NA-C1A	8.97	110.74	106.71
25	B	778	CLA	C4A-NA-C1A	8.97	110.74	106.71
25	m	611	CLA	C4A-NA-C1A	8.96	110.74	106.71
25	e	608	CLA	C4A-NA-C1A	8.96	110.73	106.71
25	i	614	CLA	C4A-NA-C1A	8.94	110.72	106.71
25	k	610	CLA	C4A-NA-C1A	8.94	110.72	106.71
25	l	604	CLA	C4A-NA-C1A	8.90	110.71	106.71
25	A	769	CLA	C4A-NA-C1A	8.88	110.70	106.71
25	f	601	CLA	C4A-NA-C1A	8.88	110.70	106.71
25	B	736	CLA	C4A-NA-C1A	8.86	110.69	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	g	604	CLA	C4A-NA-C1A	8.84	110.68	106.71
25	p	610	CLA	C4A-NA-C1A	8.81	110.67	106.71
25	A	791	CLA	C4A-NA-C1A	8.80	110.66	106.71
25	f	602	CLA	C4A-NA-C1A	8.78	110.65	106.71
25	B	751	CLA	C4A-NA-C1A	8.77	110.65	106.71
25	c	602	CLA	C4A-NA-C1A	8.77	110.65	106.71
25	a	601	CLA	C4A-NA-C1A	8.76	110.65	106.71
25	m	610	CLA	C4A-NA-C1A	8.76	110.65	106.71
31	J	4002	DD6	C14-C13-C11	8.76	139.13	125.53
25	n	613	CLA	C4A-NA-C1A	8.73	110.63	106.71
25	e	611	CLA	C4A-NA-C1A	8.64	110.59	106.71
25	g	602	CLA	C4A-NA-C1A	8.63	110.59	106.71
31	j	620	DD6	C14-C13-C11	8.63	138.92	125.53
25	A	802	CLA	C4A-NA-C1A	8.61	110.58	106.71
25	i	610	CLA	C4A-NA-C1A	8.60	110.57	106.71
31	g	621	DD6	C14-C13-C11	8.56	138.81	125.53
25	l	610	CLA	C4A-NA-C1A	8.50	110.53	106.71
25	B	777	CLA	C4A-NA-C1A	8.49	110.53	106.71
31	k	620	DD6	C14-C13-C11	8.46	138.66	125.53
25	j	610	CLA	C4A-NA-C1A	8.45	110.50	106.71
31	i	620	DD6	C14-C13-C11	8.43	138.61	125.53
25	o	601	CLA	C4A-NA-C1A	8.39	110.48	106.71
25	B	753	CLA	C4A-NA-C1A	8.39	110.48	106.71
25	m	601	CLA	C4A-NA-C1A	8.37	110.47	106.71
31	n	620	DD6	O1-C20-C19	8.36	119.67	113.38
31	A	4008	DD6	C14-C13-C11	8.36	138.50	125.53
31	g	620	DD6	C14-C13-C11	8.34	138.47	125.53
25	B	759	CLA	C4A-NA-C1A	8.24	110.41	106.71
31	h	620	DD6	C14-C13-C11	8.23	138.30	125.53
25	n	610	CLA	C4A-NA-C1A	8.23	110.40	106.71
25	p	603	CLA	C4A-NA-C1A	8.22	110.40	106.71
31	m	621	DD6	C14-C13-C11	8.17	138.21	125.53
25	h	610	CLA	C4A-NA-C1A	8.17	110.38	106.71
25	p	601	CLA	C4A-NA-C1A	8.16	110.38	106.71
25	A	781	CLA	C4A-NA-C1A	8.13	110.36	106.71
31	a	620	DD6	C15-C14-C13	8.12	143.17	125.99
25	A	784	CLA	C4A-NA-C1A	8.12	110.36	106.71
25	B	775	CLA	C4A-NA-C1A	8.12	110.36	106.71
25	f	612	CLA	C4A-NA-C1A	8.10	110.35	106.71
31	c	620	DD6	C14-C13-C11	8.09	138.09	125.53
25	A	783	CLA	C4A-NA-C1A	8.07	110.33	106.71
31	l	620	DD6	C14-C13-C11	8.04	138.00	125.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	o	610	CLA	C4A-NA-C1A	8.03	110.32	106.71
31	e	621	DD6	C14-C13-C11	8.03	137.98	125.53
31	j	621	DD6	C14-C13-C11	7.97	137.89	125.53
31	d	620	DD6	C14-C13-C11	7.93	137.83	125.53
25	p	612	CLA	C4A-NA-C1A	7.93	110.27	106.71
31	a	621	DD6	C14-C13-C11	7.93	137.83	125.53
31	d	621	DD6	C14-C13-C11	7.84	137.70	125.53
31	b	621	DD6	C14-C13-C11	7.81	137.65	125.53
25	a	602	CLA	C4A-NA-C1A	7.73	110.18	106.71
31	l	621	DD6	C14-C13-C11	7.69	137.46	125.53
31	o	621	DD6	C14-C13-C11	7.63	137.37	125.53
31	b	620	DD6	C15-C14-C13	7.63	142.12	125.99
31	p	621	DD6	C14-C13-C11	7.62	137.35	125.53
25	m	602	CLA	C4A-NA-C1A	7.60	110.12	106.71
31	h	621	DD6	C14-C13-C11	7.60	137.32	125.53
25	A	805	CLA	C4A-NA-C1A	7.57	110.11	106.71
31	f	621	DD6	O1-C20-C19	7.54	119.05	113.38
31	i	621	DD6	C14-C13-C11	7.50	137.17	125.53
31	c	623	DD6	O1-C20-C19	7.49	119.01	113.38
31	n	620	DD6	C15-C14-C13	7.49	141.83	125.99
31	c	621	DD6	C14-C13-C11	7.43	137.06	125.53
31	n	620	DD6	C14-C13-C11	7.39	137.00	125.53
31	f	620	DD6	O1-C20-C19	7.39	118.93	113.38
31	o	620	DD6	C14-C13-C11	7.33	136.90	125.53
25	B	757	CLA	C4A-NA-C1A	7.31	109.99	106.71
31	k	621	DD6	C14-C13-C11	7.30	136.85	125.53
31	m	620	DD6	C14-C13-C11	7.30	136.85	125.53
31	c	623	DD6	C15-C14-C13	7.19	141.20	125.99
31	f	621	DD6	C15-C14-C13	7.09	140.98	125.99
31	d	623	DD6	O1-C20-C19	6.90	118.57	113.38
31	d	623	DD6	C14-C13-C11	6.80	136.08	125.53
28	B	769	PQN	C14-C13-C15	6.56	126.30	115.27
31	A	4002	DD6	C15-C14-C13	6.54	139.82	125.99
28	A	785	PQN	C14-C13-C15	6.43	126.08	115.27
28	d	223	PQN	C14-C13-C15	6.40	126.04	115.27
28	B	761	PQN	C14-C13-C15	6.40	126.03	115.27
31	i	625	DD6	C14-C13-C11	6.36	135.40	125.53
31	A	4002	DD6	O1-C20-C19	6.35	118.15	113.38
31	f	620	DD6	C14-C13-C11	6.32	135.33	125.53
31	f	620	DD6	C15-C14-C13	6.22	139.14	125.99
31	i	625	DD6	C15-C14-C13	5.97	138.62	125.99
31	f	621	DD6	C14-C13-C11	5.95	134.76	125.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	b	620	DD6	O1-C20-C19	5.90	117.81	113.38
31	d	623	DD6	C15-C14-C13	5.85	138.36	125.99
31	p	621	DD6	O1-C20-C19	5.81	117.75	113.38
25	A	752	CLA	O2D-CGD-CBD	5.75	121.49	111.27
25	h	610	CLA	CMB-C2B-C1B	-5.46	120.07	128.46
31	i	625	DD6	O1-C20-C19	5.44	117.47	113.38
31	A	4002	DD6	C14-C13-C11	5.40	133.90	125.53
31	A	4002	DD6	C25-C26-C27	-5.36	111.01	126.58
31	b	620	DD6	C14-C13-C11	5.19	133.58	125.53
31	o	620	DD6	C15-C14-C13	5.18	136.95	125.99
31	m	620	DD6	O1-C20-C19	5.14	117.24	113.38
31	m	620	DD6	C15-C14-C13	5.13	136.84	125.99
31	c	623	DD6	C14-C13-C11	5.09	133.43	125.53
31	p	621	DD6	C15-C14-C13	5.07	136.71	125.99
31	A	4008	DD6	O1-C20-C19	5.06	117.18	113.38
31	a	620	DD6	C14-C13-C11	5.05	133.36	125.53
31	k	621	DD6	C15-C14-C13	5.01	136.59	125.99
31	A	4008	DD6	C15-C14-C13	4.90	136.35	125.99
31	h	621	DD6	C15-C14-C13	4.82	136.18	125.99
31	c	621	DD6	C15-C14-C13	4.80	136.15	125.99
31	o	621	DD6	C15-C14-C13	4.78	136.10	125.99
31	i	621	DD6	C15-C14-C13	4.77	136.09	125.99
31	d	621	DD6	C15-C14-C13	4.76	136.05	125.99
25	i	610	CLA	CMB-C2B-C1B	-4.65	121.31	128.46
31	g	620	DD6	C25-C26-C27	-4.63	113.13	126.58
31	b	621	DD6	C15-C14-C13	4.60	135.72	125.99
31	j	621	DD6	C15-C14-C13	4.56	135.63	125.99
25	c	610	CLA	CMB-C2B-C1B	-4.54	121.48	128.46
28	B	761	PQN	C15-C13-C12	-4.53	111.95	121.12
28	B	769	PQN	C15-C13-C12	-4.52	111.98	121.12
31	i	621	DD6	C32-C31-C36	4.51	129.01	122.63
31	A	4002	DD6	C32-C31-C36	4.49	128.97	122.63
31	p	621	DD6	C25-C26-C27	-4.49	113.55	126.58
25	k	610	CLA	CMB-C2B-C1B	-4.47	121.59	128.46
25	A	798	CLA	CMB-C2B-C1B	-4.45	121.62	128.46
31	e	623	DD6	C4-C3-C2	4.45	132.59	123.47
27	j	198	LHG	C25-C24-C23	4.42	129.71	113.62
28	A	785	PQN	C15-C13-C12	-4.41	112.19	121.12
28	d	223	PQN	C15-C13-C12	-4.40	112.20	121.12
25	A	759	CLA	O2D-CGD-CBD	4.40	119.09	111.27
30	c	245	SQD	O47-C7-C8	4.38	120.94	111.50
25	B	782	CLA	CMB-C2B-C1B	-4.38	121.74	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	p	613	CLA	O2D-CGD-CBD	4.37	119.03	111.27
31	g	620	DD6	C15-C14-C13	4.37	135.22	125.99
25	m	611	CLA	O2D-CGD-CBD	4.37	119.03	111.27
27	i	194	LHG	C25-C24-C23	4.36	129.47	113.62
25	c	610	CLA	O2D-CGD-CBD	4.36	119.01	111.27
31	e	621	DD6	C15-C14-C13	4.35	135.20	125.99
27	h	190	LHG	C25-C24-C23	4.35	129.45	113.62
31	d	623	DD6	C25-C26-C27	-4.35	113.94	126.58
25	d	609	CLA	O2D-CGD-CBD	4.35	118.99	111.27
25	A	755	CLA	O2D-CGD-CBD	4.35	118.99	111.27
31	k	621	DD6	O1-C20-C19	4.34	116.65	113.38
31	g	621	DD6	C25-C26-C27	-4.32	114.04	126.58
25	i	609	CLA	O2D-CGD-CBD	4.31	118.92	111.27
31	l	621	DD6	C15-C14-C13	4.31	135.10	125.99
25	a	610	CLA	O2D-CGD-CBD	4.29	118.90	111.27
25	l	603	CLA	O2D-CGD-CBD	4.29	118.89	111.27
25	h	610	CLA	O2D-CGD-CBD	4.28	118.88	111.27
31	b	621	DD6	C32-C31-C36	4.28	128.68	122.63
31	d	620	DD6	C15-C14-C13	4.28	135.04	125.99
31	a	620	DD6	O1-C20-C19	4.28	116.60	113.38
31	d	621	DD6	C32-C31-C36	4.28	128.68	122.63
25	j	613	CLA	O2D-CGD-CBD	4.28	118.87	111.27
35	d	607	CHL	CAA-C2A-C3A	-4.28	103.57	114.26
27	m	182	LHG	C25-C24-C23	4.28	129.17	113.62
31	e	623	DD6	C12-C11-C10	-4.27	116.94	122.92
27	g	189	LHG	C25-C24-C23	4.27	129.15	113.62
31	n	623	DD6	C3-C4-C5	4.27	132.21	123.47
27	b	181	LHG	C25-C24-C23	4.27	129.13	113.62
25	e	605	CLA	O2D-CGD-CBD	4.26	118.84	111.27
25	B	779	CLA	O2D-CGD-CBD	4.26	118.83	111.27
31	n	620	DD6	C25-C26-C27	-4.26	114.22	126.58
27	A	786	LHG	C25-C24-C23	4.25	129.09	113.62
25	j	602	CLA	O2D-CGD-CBD	4.25	118.83	111.27
25	A	753	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
25	c	609	CLA	O2D-CGD-CBD	4.25	118.81	111.27
25	A	776	CLA	O2D-CGD-CBD	4.24	118.81	111.27
31	l	620	DD6	C15-C14-C13	4.24	134.96	125.99
25	m	608	CLA	O2D-CGD-CBD	4.23	118.79	111.27
25	l	610	CLA	O2D-CGD-CBD	4.23	118.79	111.27
25	n	602	CLA	O2D-CGD-CBD	4.22	118.76	111.27
25	b	608	CLA	O2D-CGD-CBD	4.21	118.74	111.27
25	B	784	CLA	O2D-CGD-CBD	4.20	118.74	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	h	612	CLA	O2D-CGD-CBD	4.20	118.74	111.27
27	a	181	LHG	C25-C24-C23	4.20	128.89	113.62
30	g	190	SQD	O7-S-C6	4.20	111.93	106.94
25	p	609	CLA	O2D-CGD-CBD	4.20	118.73	111.27
25	j	608	CLA	O2D-CGD-CBD	4.20	118.73	111.27
25	A	774	CLA	O2D-CGD-CBD	4.20	118.73	111.27
31	f	621	DD6	C25-C26-C27	-4.20	114.40	126.58
25	h	615	CLA	O2D-CGD-CBD	4.19	118.72	111.27
25	m	610	CLA	O2D-CGD-CBD	4.19	118.72	111.27
27	c	243	LHG	C25-C24-C23	4.19	128.87	113.62
25	B	744	CLA	O2D-CGD-CBD	4.19	118.72	111.27
25	g	610	CLA	O2D-CGD-CBD	4.19	118.72	111.27
31	e	621	DD6	C25-C26-C27	-4.18	114.45	126.58
25	B	781	CLA	O2D-CGD-CBD	4.18	118.69	111.27
31	c	624	DD6	C12-C11-C10	-4.17	117.08	122.92
25	B	783	CLA	O2D-CGD-CBD	4.17	118.68	111.27
25	A	781	CLA	O2D-CGD-CBD	4.17	118.68	111.27
31	J	4002	DD6	C25-C26-C27	-4.17	114.47	126.58
31	g	621	DD6	C15-C14-C13	4.17	134.81	125.99
31	J	4002	DD6	C32-C31-C36	4.16	128.51	122.63
25	i	610	CLA	O2D-CGD-CBD	4.16	118.67	111.27
25	n	610	CLA	O2D-CGD-CBD	4.16	118.66	111.27
31	n	623	DD6	C24-C1-C2	4.16	125.32	118.94
25	i	613	CLA	O2D-CGD-CBD	4.16	118.66	111.27
25	h	609	CLA	O2D-CGD-CBD	4.16	118.65	111.27
25	i	604	CLA	O2D-CGD-CBD	4.16	118.65	111.27
25	f	608	CLA	O2D-CGD-CBD	4.16	118.65	111.27
27	A	756	LHG	C25-C24-C23	4.15	128.71	113.62
31	n	621	DD6	C12-C11-C10	-4.15	117.11	122.92
31	a	621	DD6	C15-C14-C13	4.14	134.75	125.99
31	i	621	DD6	O1-C20-C19	4.14	116.49	113.38
25	f	609	CLA	O2D-CGD-CBD	4.13	118.61	111.27
31	o	620	DD6	O1-C20-C19	4.13	116.49	113.38
25	m	609	CLA	O2D-CGD-CBD	4.13	118.61	111.27
25	k	611	CLA	O2D-CGD-CBD	4.13	118.60	111.27
25	b	601	CLA	O2D-CGD-CBD	4.13	118.60	111.27
25	l	608	CLA	O2D-CGD-CBD	4.13	118.60	111.27
25	n	609	CLA	O2D-CGD-CBD	4.13	118.60	111.27
30	g	190	SQD	O47-C7-C8	4.12	120.39	111.50
25	c	602	CLA	CMB-C2B-C1B	-4.12	122.13	128.46
25	b	611	CLA	O2D-CGD-CBD	4.12	118.58	111.27
25	B	773	CLA	O2D-CGD-CBD	4.12	118.58	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e	620	DD6	C12-C11-C10	-4.11	117.16	122.92
25	j	612	CLA	CMB-C2B-C1B	-4.11	122.15	128.46
25	g	611	CLA	O2D-CGD-CBD	4.11	118.57	111.27
25	g	612	CLA	O2D-CGD-CBD	4.11	118.57	111.27
25	B	743	CLA	O2D-CGD-CBD	4.11	118.56	111.27
31	m	621	DD6	C15-C14-C13	4.11	134.67	125.99
25	o	613	CLA	O2D-CGD-CBD	4.10	118.56	111.27
31	h	620	DD6	C15-C14-C13	4.10	134.66	125.99
25	k	609	CLA	O2D-CGD-CBD	4.09	118.53	111.27
25	h	613	CLA	O2D-CGD-CBD	4.08	118.52	111.27
25	B	742	CLA	O2D-CGD-CBD	4.08	118.51	111.27
25	B	746	CLA	O2D-CGD-CBD	4.08	118.51	111.27
31	g	620	DD6	C32-C31-C36	4.08	128.39	122.63
25	A	800	CLA	O2D-CGD-CBD	4.08	118.51	111.27
29	A	792	BCR	C34-C9-C10	-4.07	117.22	122.92
25	B	753	CLA	O2D-CGD-CBD	4.07	118.49	111.27
25	g	603	CLA	O2D-CGD-CBD	4.07	118.49	111.27
25	l	611	CLA	O2D-CGD-CBD	4.06	118.49	111.27
31	d	623	DD6	C32-C31-C36	4.06	128.37	122.63
25	B	738	CLA	O2D-CGD-CBD	4.06	118.48	111.27
25	f	610	CLA	O2D-CGD-CBD	4.05	118.47	111.27
31	c	623	DD6	C25-C26-C27	-4.05	114.81	126.58
25	b	604	CLA	O2D-CGD-CBD	4.05	118.47	111.27
25	d	613	CLA	O2D-CGD-CBD	4.05	118.47	111.27
25	h	610	CLA	CMB-C2B-C3B	4.05	132.25	124.68
25	i	608	CLA	O2D-CGD-CBD	4.05	118.46	111.27
29	A	792	BCR	C37-C22-C21	-4.05	117.25	122.92
25	A	793	CLA	O2D-CGD-CBD	4.05	118.46	111.27
25	o	614	CLA	O2D-CGD-CBD	4.05	118.46	111.27
25	e	610	CLA	O2D-CGD-CBD	4.04	118.45	111.27
31	a	620	DD6	C32-C31-C36	4.04	128.34	122.63
25	j	610	CLA	O2D-CGD-CBD	4.03	118.43	111.27
25	n	606	CLA	O2D-CGD-CBD	4.03	118.43	111.27
25	B	737	CLA	O2D-CGD-CBD	4.03	118.43	111.27
25	k	603	CLA	O2D-CGD-CBD	4.03	118.43	111.27
31	d	621	DD6	C25-C26-C27	-4.03	114.89	126.58
25	j	609	CLA	O2D-CGD-CBD	4.03	118.42	111.27
25	b	610	CLA	O2D-CGD-CBD	4.03	118.42	111.27
31	n	623	DD6	C12-C11-C10	-4.02	117.28	122.92
31	F	4002	DD6	C12-C11-C10	-4.02	117.29	122.92
25	A	783	CLA	O2D-CGD-CBD	4.02	118.40	111.27
25	e	607	CLA	O2D-CGD-CBD	4.01	118.40	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	767	CLA	O2D-CGD-CBD	4.01	118.40	111.27
25	g	608	CLA	O2D-CGD-CBD	4.01	118.39	111.27
25	A	797	CLA	O2D-CGD-CBD	4.01	118.39	111.27
25	j	615	CLA	O2D-CGD-CBD	4.01	118.39	111.27
25	g	604	CLA	O2D-CGD-CBD	4.01	118.39	111.27
25	A	808	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
25	n	604	CLA	O2D-CGD-CBD	4.00	118.38	111.27
29	B	766	BCR	C34-C9-C10	-4.00	117.31	122.92
25	f	613	CLA	O2D-CGD-CBD	4.00	118.38	111.27
25	g	615	CLA	O2D-CGD-CBD	4.00	118.38	111.27
25	B	751	CLA	O2D-CGD-CBD	4.00	118.37	111.27
25	B	760	CLA	O2D-CGD-CBD	4.00	118.37	111.27
25	o	610	CLA	O2D-CGD-CBD	4.00	118.37	111.27
25	g	618	CLA	O2D-CGD-CBD	3.99	118.37	111.27
25	A	805	CLA	O2D-CGD-CBD	3.99	118.37	111.27
25	B	741	CLA	O2D-CGD-CBD	3.99	118.36	111.27
25	B	755	CLA	O2D-CGD-CBD	3.99	118.36	111.27
29	B	765	BCR	C34-C9-C10	-3.99	117.34	122.92
25	B	776	CLA	O2D-CGD-CBD	3.99	118.35	111.27
25	A	773	CLA	O2D-CGD-CBD	3.99	118.35	111.27
25	o	601	CLA	O2D-CGD-CBD	3.99	118.35	111.27
29	A	792	BCR	C16-C15-C14	3.98	131.63	123.47
29	A	788	BCR	C37-C22-C21	-3.98	117.34	122.92
25	B	759	CLA	O2D-CGD-CBD	3.98	118.34	111.27
25	A	805	CLA	O2A-CGA-CBA	3.98	124.39	111.91
25	h	610	CLA	O2A-CGA-CBA	3.98	124.39	111.91
29	B	765	BCR	C37-C22-C21	-3.97	117.36	122.92
25	b	603	CLA	O2D-CGD-CBD	3.97	118.33	111.27
25	A	772	CLA	O2D-CGD-CBD	3.97	118.32	111.27
25	a	603	CLA	O2D-CGD-CBD	3.97	118.32	111.27
30	c	245	SQD	O7-S-C6	3.96	111.65	106.94
25	n	613	CLA	O2D-CGD-CBD	3.96	118.31	111.27
25	d	610	CLA	O2D-CGD-CBD	3.96	118.30	111.27
25	i	611	CLA	O2D-CGD-CBD	3.96	118.30	111.27
25	n	612	CLA	O2D-CGD-CBD	3.95	118.29	111.27
31	k	620	DD6	C15-C14-C13	3.95	134.34	125.99
31	e	623	DD6	C24-C1-C2	3.95	125.00	118.94
25	n	607	CLA	O2D-CGD-CBD	3.95	118.28	111.27
25	l	609	CLA	O2D-CGD-CBD	3.95	118.28	111.27
25	b	605	CLA	O2D-CGD-CBD	3.94	118.28	111.27
25	p	612	CLA	O2D-CGD-CBD	3.94	118.28	111.27
25	B	772	CLA	O2D-CGD-CBD	3.94	118.27	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	762	CLA	O2D-CGD-CBD	3.94	118.27	111.27
25	A	764	CLA	O2D-CGD-CBD	3.94	118.27	111.27
25	A	763	CLA	O2D-CGD-CBD	3.94	118.27	111.27
31	c	623	DD6	C32-C31-C36	3.94	128.19	122.63
25	g	613	CLA	O2D-CGD-CBD	3.93	118.26	111.27
25	k	615	CLA	O2D-CGD-CBD	3.93	118.26	111.27
25	p	608	CLA	O2D-CGD-CBD	3.93	118.25	111.27
25	g	614	CLA	O2D-CGD-CBD	3.93	118.25	111.27
31	n	623	DD6	C4-C3-C2	3.92	131.51	123.47
25	p	603	CLA	O2D-CGD-CBD	3.92	118.24	111.27
25	B	785	CLA	O2D-CGD-CBD	3.92	118.24	111.27
25	a	608	CLA	O2D-CGD-CBD	3.92	118.24	111.27
25	o	608	CLA	O2D-CGD-CBD	3.92	118.23	111.27
25	h	604	CLA	O2D-CGD-CBD	3.92	118.23	111.27
25	p	610	CLA	O2D-CGD-CBD	3.91	118.22	111.27
31	j	621	DD6	O1-C20-C19	3.91	116.32	113.38
25	j	613	CLA	O2A-CGA-CBA	3.91	124.17	111.91
25	e	609	CLA	O2D-CGD-CBD	3.91	118.21	111.27
25	d	601	CLA	O2D-CGD-CBD	3.91	118.21	111.27
29	B	766	BCR	C37-C22-C21	-3.90	117.45	122.92
25	k	618	CLA	O2D-CGD-CBD	3.90	118.20	111.27
29	A	788	BCR	C34-C9-C10	-3.90	117.46	122.92
25	A	780	CLA	O2D-CGD-CBD	3.90	118.20	111.27
31	e	623	DD6	C-C1-C2	-3.90	117.46	122.92
31	l	620	DD6	C32-C31-C36	3.90	128.14	122.63
25	a	609	CLA	O2D-CGD-CBD	3.90	118.19	111.27
25	B	758	CLA	O2D-CGD-CBD	3.90	118.19	111.27
25	i	615	CLA	O2D-CGD-CBD	3.90	118.19	111.27
25	c	604	CLA	O2D-CGD-CBD	3.90	118.19	111.27
25	k	610	CLA	O2D-CGD-CBD	3.90	118.19	111.27
25	B	768	CLA	O2D-CGD-CBD	3.89	118.19	111.27
25	a	609	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
25	a	613	CLA	O2D-CGD-CBD	3.89	118.18	111.27
25	J	101	CLA	O2D-CGD-CBD	3.89	118.18	111.27
25	d	611	CLA	O2D-CGD-CBD	3.89	118.17	111.27
30	j	200	SQD	O47-C7-C8	3.89	119.87	111.50
25	B	747	CLA	O2D-CGD-CBD	3.88	118.17	111.27
25	A	777	CLA	O2D-CGD-CBD	3.88	118.17	111.27
25	B	750	CLA	O2D-CGD-CBD	3.88	118.17	111.27
31	l	620	DD6	C25-C26-C27	-3.88	115.31	126.58
25	b	613	CLA	O2D-CGD-CBD	3.88	118.17	111.27
25	a	610	CLA	CMB-C2B-C1B	-3.88	122.50	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	g	621	DD6	C32-C31-C36	3.88	128.11	122.63
25	e	614	CLA	O2D-CGD-CBD	3.88	118.16	111.27
25	p	601	CLA	O2D-CGD-CBD	3.87	118.15	111.27
25	e	613	CLA	O2D-CGD-CBD	3.87	118.15	111.27
25	A	768	CLA	O2D-CGD-CBD	3.87	118.15	111.27
25	o	603	CLA	O2D-CGD-CBD	3.87	118.14	111.27
25	k	614	CLA	O2D-CGD-CBD	3.87	118.14	111.27
31	i	620	DD6	C32-C31-C36	3.87	128.09	122.63
25	d	604	CLA	O2D-CGD-CBD	3.86	118.13	111.27
35	e	606	CHL	O2D-CGD-CBD	3.86	118.13	111.27
25	f	601	CLA	O2D-CGD-CBD	3.86	118.13	111.27
25	h	608	CLA	O2D-CGD-CBD	3.86	118.12	111.27
25	j	618	CLA	O2D-CGD-CBD	3.86	118.12	111.27
25	d	603	CLA	O2D-CGD-CBD	3.85	118.12	111.27
25	e	601	CLA	O2D-CGD-CBD	3.85	118.12	111.27
25	c	611	CLA	O2D-CGD-CBD	3.85	118.11	111.27
31	a	621	DD6	C32-C31-C36	3.85	128.07	122.63
31	n	623	DD6	C-C1-C2	-3.85	117.53	122.92
25	i	602	CLA	O2D-CGD-CBD	3.85	118.11	111.27
30	A	795	SQD	O9-S-O7	-3.85	100.62	113.95
25	B	770	CLA	O2D-CGD-CBD	3.85	118.11	111.27
25	n	605	CLA	O2D-CGD-CBD	3.85	118.10	111.27
25	c	608	CLA	O2D-CGD-CBD	3.84	118.10	111.27
25	B	752	CLA	O2D-CGD-CBD	3.84	118.09	111.27
25	f	602	CLA	O2D-CGD-CBD	3.84	118.09	111.27
25	k	604	CLA	O2D-CGD-CBD	3.84	118.09	111.27
25	j	603	CLA	O2D-CGD-CBD	3.84	118.09	111.27
25	b	609	CLA	O2D-CGD-CBD	3.84	118.08	111.27
25	o	604	CLA	O2D-CGD-CBD	3.84	118.08	111.27
25	h	618	CLA	O2D-CGD-CBD	3.83	118.08	111.27
25	n	603	CLA	O2D-CGD-CBD	3.83	118.08	111.27
25	a	612	CLA	O2D-CGD-CBD	3.83	118.08	111.27
25	e	603	CLA	O2D-CGD-CBD	3.83	118.07	111.27
25	b	604	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
31	i	625	DD6	C25-C26-C27	-3.82	115.47	126.58
25	A	804	CLA	O2D-CGD-CBD	3.82	118.06	111.27
25	A	808	CLA	O2D-CGD-CBD	3.82	118.06	111.27
25	m	601	CLA	O2D-CGD-CBD	3.82	118.06	111.27
25	c	616	CLA	O2D-CGD-CBD	3.82	118.05	111.27
25	B	755	CLA	CMB-C2B-C1B	-3.82	122.60	128.46
35	d	606	CHL	O2D-CGD-CBD	3.82	118.05	111.27
28	B	761	PQN	C9-C10-C5	3.82	123.51	119.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	758	CLA	O2D-CGD-CBD	3.82	118.05	111.27
31	b	620	DD6	C25-C26-C27	-3.81	115.52	126.58
25	l	617	CLA	O2D-CGD-CBD	3.81	118.03	111.27
31	j	620	DD6	C32-C31-C36	3.81	128.01	122.63
25	p	604	CLA	O2D-CGD-CBD	3.81	118.03	111.27
25	j	611	CLA	O2D-CGD-CBD	3.81	118.03	111.27
35	d	608	CHL	O2D-CGD-CBD	3.80	118.03	111.27
25	A	784	CLA	O2D-CGD-CBD	3.80	118.03	111.27
31	a	620	DD6	C25-C26-C27	-3.80	115.54	126.58
35	d	607	CHL	O2D-CGD-CBD	3.80	118.02	111.27
25	k	602	CLA	O2D-CGD-CBD	3.80	118.02	111.27
31	h	621	DD6	C25-C26-C27	-3.80	115.55	126.58
25	l	614	CLA	O2D-CGD-CBD	3.80	118.01	111.27
25	i	613	CLA	O2A-CGA-CBA	3.80	123.82	111.91
31	f	620	DD6	C25-C26-C27	-3.79	115.57	126.58
25	j	614	CLA	O2D-CGD-CBD	3.79	118.01	111.27
25	d	612	CLA	O2D-CGD-CBD	3.79	118.00	111.27
31	c	620	DD6	C15-C14-C13	3.79	134.00	125.99
31	c	620	DD6	C25-C26-C27	-3.78	115.60	126.58
25	p	604	CLA	CHD-C1D-ND	-3.78	120.98	124.45
30	g	190	SQD	O9-S-O7	-3.78	100.87	113.95
35	d	605	CHL	O2D-CGD-CBD	3.78	117.98	111.27
25	A	794	CLA	O2D-CGD-CBD	3.77	117.97	111.27
31	o	620	DD6	C25-C26-C27	-3.77	115.63	126.58
30	c	245	SQD	O9-S-O7	-3.76	100.92	113.95
35	c	607	CHL	CAA-C2A-C3A	-3.76	102.47	112.78
25	B	740	CLA	O2D-CGD-CBD	3.76	117.95	111.27
31	a	621	DD6	C25-C26-C27	-3.76	115.67	126.58
25	g	609	CLA	O2D-CGD-CBD	3.76	117.94	111.27
25	d	610	CLA	CMB-C2B-C1B	-3.75	122.69	128.46
25	i	603	CLA	CMB-C2B-C1B	-3.75	122.69	128.46
31	n	620	DD6	C41-C32-C31	3.75	116.43	110.47
31	c	620	DD6	C32-C31-C36	3.75	127.93	122.63
31	d	620	DD6	C32-C31-C36	3.75	127.93	122.63
25	o	612	CLA	O2D-CGD-CBD	3.75	117.75	111.49
35	c	607	CHL	O2D-CGD-CBD	3.75	117.92	111.27
25	B	778	CLA	O2D-CGD-CBD	3.74	117.92	111.27
25	f	611	CLA	O2D-CGD-CBD	3.74	117.92	111.27
31	i	625	DD6	C32-C31-C36	3.74	127.92	122.63
25	m	604	CLA	O2D-CGD-CBD	3.74	117.91	111.27
25	A	770	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
25	A	760	CLA	O2D-CGD-CBD	3.74	117.91	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	j	200	SQD	O9-S-C6	3.74	111.38	106.94
31	d	620	DD6	C25-C26-C27	-3.73	115.74	126.58
31	j	620	DD6	C15-C14-C13	3.73	133.88	125.99
31	A	4008	DD6	C25-C26-C27	-3.73	115.76	126.58
25	f	603	CLA	O2D-CGD-CBD	3.72	117.88	111.27
31	f	621	DD6	C32-C31-C36	3.72	127.89	122.63
25	d	602	CLA	O2D-CGD-CBD	3.72	117.88	111.27
31	h	621	DD6	C32-C31-C36	3.72	127.89	122.63
25	A	803	CLA	O2D-CGD-CBD	3.72	117.88	111.27
31	c	621	DD6	C32-C31-C36	3.72	127.88	122.63
25	c	606	CLA	O2D-CGD-CBD	3.72	117.87	111.27
25	A	806	CLA	O2D-CGD-CBD	3.72	117.87	111.27
25	o	609	CLA	O2D-CGD-CBD	3.71	117.87	111.27
25	A	772	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
25	h	614	CLA	O2D-CGD-CBD	3.71	117.85	111.27
25	A	798	CLA	O2D-CGD-CBD	3.71	117.85	111.27
25	a	619	CLA	O2D-CGD-CBD	3.71	117.85	111.27
31	i	620	DD6	C15-C14-C13	3.71	133.83	125.99
25	A	753	CLA	O2D-CGD-CBD	3.70	117.84	111.27
25	A	778	CLA	O2D-CGD-CBD	3.70	117.84	111.27
25	d	614	CLA	O2D-CGD-CBD	3.70	117.83	111.27
31	m	620	DD6	C32-C31-C36	3.69	127.85	122.63
25	e	608	CLA	O2D-CGD-CBD	3.69	117.83	111.27
31	i	620	DD6	C25-C26-C27	-3.69	115.88	126.58
31	o	620	DD6	C32-C31-C36	3.68	127.84	122.63
31	c	621	DD6	C41-C32-C31	3.68	116.32	110.47
31	p	621	DD6	C32-C31-C36	3.68	127.83	122.63
31	g	621	DD6	O1-C20-C19	3.68	116.14	113.38
25	l	612	CLA	O2D-CGD-CBD	3.68	117.80	111.27
31	e	621	DD6	C32-C31-C36	3.68	127.83	122.63
25	A	805	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
25	e	612	CLA	O2D-CGD-CBD	3.68	117.80	111.27
30	j	200	SQD	O7-S-C6	3.67	111.31	106.94
25	A	765	CLA	O2D-CGD-CBD	3.67	117.80	111.27
25	k	608	CLA	O2D-CGD-CBD	3.67	117.79	111.27
31	f	621	DD6	C41-C32-C31	3.67	116.30	110.47
31	d	621	DD6	C37-C36-C31	-3.67	119.36	124.35
25	b	612	CLA	O2D-CGD-CBD	3.66	117.77	111.27
30	j	200	SQD	O9-S-O7	-3.66	101.28	113.95
25	c	619	CLA	O2D-CGD-CBD	3.66	117.77	111.27
25	i	614	CLA	O2D-CGD-CBD	3.66	117.77	111.27
25	A	779	CLA	O2D-CGD-CBD	3.66	117.77	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	k	601	CLA	O2D-CGD-CBD	3.66	117.76	111.27
31	J	4002	DD6	C15-C14-C13	3.65	133.72	125.99
31	f	620	DD6	C41-C32-C31	3.65	116.27	110.47
25	p	613	CLA	CHD-C1D-ND	-3.65	121.10	124.45
25	A	799	CLA	O2D-CGD-CBD	3.65	117.75	111.27
25	B	757	CLA	O2D-CGD-CBD	3.65	117.75	111.27
31	d	623	DD6	C41-C32-C31	3.64	116.25	110.47
28	d	223	PQN	C9-C10-C5	3.64	123.31	119.26
25	A	761	CLA	O2D-CGD-CBD	3.64	117.73	111.27
25	f	615	CLA	O2D-CGD-CBD	3.63	117.73	111.27
25	c	614	CLA	O2D-CGD-CBD	3.63	117.72	111.27
31	J	4002	DD6	C41-C32-C31	3.63	116.24	110.47
31	o	620	DD6	C41-C32-C31	3.63	116.24	110.47
31	j	621	DD6	C32-C31-C36	3.63	127.76	122.63
28	B	769	PQN	C9-C10-C5	3.63	123.30	119.26
25	b	609	CLA	CMB-C2B-C1B	-3.62	122.89	128.46
25	b	610	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
31	j	621	DD6	C41-C32-C31	3.62	116.22	110.47
31	p	621	DD6	C41-C32-C31	3.62	116.22	110.47
25	c	613	CLA	O2D-CGD-CBD	3.62	117.70	111.27
25	h	611	CLA	O2D-CGD-CBD	3.62	117.70	111.27
31	b	621	DD6	O1-C20-C19	3.61	116.10	113.38
28	A	785	PQN	C9-C10-C5	3.61	123.28	119.26
25	B	748	CLA	O2D-CGD-CBD	3.61	117.69	111.27
25	h	602	CLA	O2A-CGA-CBA	3.61	123.24	111.91
25	h	613	CLA	O2A-CGA-CBA	3.61	123.24	111.91
31	d	621	DD6	C41-C32-C31	3.61	116.20	110.47
25	B	782	CLA	O2D-CGD-CBD	3.61	117.68	111.27
27	d	237	LHG	C25-C24-C23	3.60	129.15	114.34
25	l	601	CLA	O2D-CGD-CBD	3.60	117.67	111.27
31	A	4002	DD6	C41-C32-C31	3.60	116.19	110.47
31	e	621	DD6	C41-C32-C31	3.60	116.19	110.47
25	B	779	CLA	CHD-C1D-ND	-3.60	121.15	124.45
25	A	757	CLA	O2D-CGD-CBD	3.60	117.66	111.27
31	m	621	DD6	C41-C32-C31	3.60	116.18	110.47
25	p	602	CLA	O2D-CGD-CBD	3.60	117.66	111.27
25	f	604	CLA	O2D-CGD-CBD	3.60	117.66	111.27
31	k	620	DD6	C41-C32-C31	3.60	116.18	110.47
25	k	609	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
25	e	604	CLA	O2D-CGD-CBD	3.59	117.65	111.27
30	A	795	SQD	O9-S-C6	3.59	111.20	106.94
25	A	757	CLA	CMB-C2B-C1B	-3.59	122.95	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	j	609	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
25	m	603	CLA	O2D-CGD-CBD	3.59	117.64	111.27
25	k	612	CLA	O2D-CGD-CBD	3.59	117.64	111.27
31	m	620	DD6	C25-C26-C27	-3.59	116.17	126.58
25	i	603	CLA	O2D-CGD-CBD	3.58	117.64	111.27
31	b	620	DD6	C32-C31-C36	3.58	127.69	122.63
31	k	620	DD6	C25-C26-C27	-3.58	116.19	126.58
25	a	602	CLA	O2A-CGA-CBA	3.58	123.13	111.91
30	A	795	SQD	O7-S-C6	3.58	111.19	106.94
31	h	620	DD6	C41-C32-C31	3.58	116.15	110.47
31	g	620	DD6	C41-C32-C31	3.57	116.14	110.47
31	o	621	DD6	C32-C31-C36	3.57	127.68	122.63
31	A	4008	DD6	C41-C32-C31	3.57	116.14	110.47
25	A	775	CLA	O2D-CGD-CBD	3.57	117.61	111.27
25	j	601	CLA	O2D-CGD-CBD	3.57	117.61	111.27
31	l	620	DD6	C41-C32-C31	3.57	116.14	110.47
25	h	602	CLA	O2D-CGD-CBD	3.57	117.60	111.27
25	j	612	CLA	O2D-CGD-CBD	3.57	117.60	111.27
31	h	620	DD6	C32-C31-C36	3.56	127.67	122.63
31	e	620	DD6	C-C1-C2	-3.56	117.93	122.92
31	k	621	DD6	C25-C26-C27	-3.56	116.24	126.58
31	g	620	DD6	O1-C20-C19	3.56	116.06	113.38
31	l	621	DD6	C25-C26-C27	-3.56	116.24	126.58
31	o	621	DD6	C25-C26-C27	-3.56	116.25	126.58
31	o	621	DD6	C41-C32-C31	3.56	116.12	110.47
25	f	614	CLA	O2D-CGD-CBD	3.55	117.58	111.27
25	n	608	CLA	O2D-CGD-CBD	3.55	117.58	111.27
25	B	750	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
25	b	602	CLA	O2D-CGD-CBD	3.54	117.56	111.27
25	A	791	CLA	O2D-CGD-CBD	3.54	117.56	111.27
31	c	624	DD6	C3-C4-C5	3.54	130.73	123.47
25	A	802	CLA	O2D-CGD-CBD	3.54	117.56	111.27
31	a	620	DD6	C41-C32-C31	3.54	116.09	110.47
25	A	807	CLA	O2D-CGD-CBD	3.54	117.56	111.27
31	c	620	DD6	C41-C32-C31	3.54	116.09	110.47
25	k	613	CLA	O2D-CGD-CBD	3.53	117.55	111.27
31	A	4002	DD6	C37-C36-C31	-3.53	119.55	124.35
29	A	788	BCR	C16-C15-C14	3.53	130.71	123.47
31	k	621	DD6	C41-C32-C31	3.53	116.08	110.47
31	l	621	DD6	C41-C32-C31	3.53	116.08	110.47
25	m	609	CLA	CMB-C2B-C1B	-3.53	123.05	128.46
25	B	737	CLA	CMB-C2B-C1B	-3.52	123.05	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	772	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
25	l	604	CLA	O2D-CGD-CBD	3.52	117.53	111.27
25	A	758	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
25	B	739	CLA	O2D-CGD-CBD	3.52	117.52	111.27
25	A	758	CLA	CHD-C1D-ND	-3.52	121.22	124.45
31	i	621	DD6	C41-C32-C31	3.52	116.06	110.47
25	j	604	CLA	O2D-CGD-CBD	3.52	117.52	111.27
25	c	601	CLA	O2D-CGD-CBD	3.51	117.51	111.27
25	j	611	CLA	CMB-C2B-C1B	-3.51	123.06	128.46
31	i	625	DD6	C41-C32-C31	3.51	116.05	110.47
25	B	758	CLA	CMB-C2B-C1B	-3.51	123.07	128.46
25	B	771	CLA	O2D-CGD-CBD	3.51	117.50	111.27
25	i	610	CLA	CMB-C2B-C3B	3.51	131.24	124.68
31	j	620	DD6	C41-C32-C31	3.51	116.04	110.47
31	m	620	DD6	C41-C32-C31	3.50	116.03	110.47
25	A	804	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
25	m	612	CLA	O2D-CGD-CBD	3.50	117.49	111.27
25	i	601	CLA	O2D-CGD-CBD	3.50	117.49	111.27
31	l	621	DD6	C32-C31-C36	3.50	127.57	122.63
31	c	624	DD6	C-C1-C2	-3.50	118.03	122.92
25	g	601	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
31	d	620	DD6	C41-C32-C31	3.50	116.02	110.47
25	c	603	CLA	O2D-CGD-CBD	3.50	117.48	111.27
31	o	621	DD6	O1-C20-C19	3.49	116.01	113.38
31	n	623	DD6	C7-C6-C5	-3.49	118.03	122.92
25	B	745	CLA	O2D-CGD-CBD	3.49	117.47	111.27
31	g	621	DD6	C41-C32-C31	3.49	116.02	110.47
25	A	752	CLA	O1D-CGD-CBD	-3.49	117.34	124.48
25	A	799	CLA	CHD-C1D-ND	-3.49	121.25	124.45
25	a	611	CLA	O2D-CGD-CBD	3.49	117.47	111.27
25	B	777	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
25	B	751	CLA	CMB-C2B-C1B	-3.49	123.11	128.46
25	h	611	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
25	b	605	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
25	j	601	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
25	B	756	CLA	O2D-CGD-CBD	3.48	117.45	111.27
25	m	608	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
25	B	778	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
31	a	621	DD6	C41-C32-C31	3.48	115.99	110.47
25	e	611	CLA	O2D-CGD-CBD	3.47	117.44	111.27
25	B	754	CLA	O2D-CGD-CBD	3.47	117.44	111.27
31	k	620	DD6	C32-C31-C36	3.47	127.54	122.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	i	620	DD6	C41-C32-C31	3.47	115.99	110.47
25	B	736	CLA	O2D-CGD-CBD	3.47	117.44	111.27
25	B	780	CLA	O2D-CGD-CBD	3.47	117.44	111.27
25	A	766	CLA	O2D-CGD-CBD	3.47	117.44	111.27
25	B	774	CLA	O2D-CGD-CBD	3.47	117.43	111.27
25	A	766	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
25	g	609	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
31	c	624	DD6	C24-C1-C2	3.46	124.25	118.94
25	i	612	CLA	O2D-CGD-CBD	3.45	117.41	111.27
25	A	770	CLA	O2D-CGD-CBD	3.45	117.40	111.27
25	m	613	CLA	O2D-CGD-CBD	3.45	117.40	111.27
31	n	621	DD6	C-C1-C2	-3.45	118.09	122.92
25	l	610	CLA	CHD-C1D-ND	-3.45	121.28	124.45
25	A	773	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
25	A	752	CLA	CHD-C1D-ND	-3.45	121.28	124.45
25	B	749	CLA	O2D-CGD-CBD	3.45	117.40	111.27
25	o	602	CLA	O2D-CGD-CBD	3.45	117.39	111.27
31	h	621	DD6	C41-C32-C31	3.45	115.94	110.47
30	c	245	SQD	O9-S-C6	3.44	111.03	106.94
25	a	604	CLA	O2D-CGD-CBD	3.44	117.39	111.27
25	A	782	CLA	O2D-CGD-CBD	3.44	117.38	111.27
25	g	602	CLA	O2D-CGD-CBD	3.44	117.38	111.27
31	h	620	DD6	C25-C26-C27	-3.44	116.60	126.58
35	d	606	CHL	CAA-C2A-C3A	-3.44	103.37	112.78
25	n	606	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
31	c	621	DD6	C40-C32-C31	-3.43	105.01	110.47
31	e	623	DD6	C7-C6-C5	-3.43	118.11	122.92
31	f	620	DD6	C32-C31-C36	3.43	127.48	122.63
25	A	791	CLA	CMB-C2B-C1B	-3.43	123.20	128.46
25	a	601	CLA	O2D-CGD-CBD	3.42	117.34	111.27
31	c	623	DD6	C41-C32-C31	3.42	115.90	110.47
25	c	619	CLA	CHD-C1D-ND	-3.42	121.31	124.45
25	m	604	CLA	CHD-C1D-ND	-3.42	121.31	124.45
31	A	4008	DD6	C32-C31-C36	3.41	127.45	122.63
25	l	609	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
25	l	617	CLA	CHD-C1D-ND	-3.41	121.32	124.45
25	b	608	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
25	B	737	CLA	CHD-C1D-ND	-3.40	121.33	124.45
29	A	792	BCR	C36-C18-C17	-3.40	118.16	122.92
25	n	609	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
25	n	610	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
25	B	777	CLA	O2D-CGD-CBD	3.40	117.30	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	791	CLA	CHD-C1D-ND	-3.40	121.33	124.45
31	e	620	DD6	C24-C1-C2	3.39	124.14	118.94
25	A	780	CLA	CMB-C2B-C1B	-3.38	123.26	128.46
25	a	608	CLA	CMB-C2B-C1B	-3.38	123.26	128.46
25	A	801	CLA	O2D-CGD-CBD	3.38	117.28	111.27
31	b	620	DD6	C41-C32-C31	3.37	115.82	110.47
25	B	781	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
25	f	601	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
25	A	752	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
31	k	621	DD6	C32-C31-C36	3.36	127.38	122.63
35	e	606	CHL	CMB-C2B-C1B	-3.36	123.30	128.46
35	d	605	CHL	CAA-C2A-C3A	-3.36	103.58	112.78
25	B	757	CLA	CHD-C1D-ND	-3.36	121.37	124.45
31	c	624	DD6	C7-C6-C5	-3.36	118.22	122.92
25	A	769	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
25	e	609	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
25	A	777	CLA	O2A-CGA-CBA	3.35	122.42	111.91
25	k	615	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
25	h	603	CLA	O2D-CGD-CBD	3.35	117.22	111.27
25	p	608	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
25	g	602	CLA	O2A-CGA-CBA	3.34	122.40	111.91
31	n	620	DD6	C32-C31-C36	3.34	127.35	122.63
25	l	608	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
31	j	620	DD6	C25-C26-C27	-3.34	116.88	126.58
25	B	738	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
25	o	614	CLA	CHD-C1D-ND	-3.34	121.38	124.45
31	j	621	DD6	C25-C26-C27	-3.34	116.88	126.58
29	A	792	BCR	C35-C13-C14	-3.34	118.25	122.92
25	h	615	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
31	m	621	DD6	C21-C20-C15	-3.34	116.67	122.26
25	a	602	CLA	CMB-C2B-C1B	-3.34	123.34	128.46
25	j	615	CLA	CMB-C2B-C1B	-3.34	123.34	128.46
31	n	623	DD6	C8-C6-C5	3.33	124.06	118.94
30	A	795	SQD	O47-C7-C8	3.33	120.08	110.80
25	d	602	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
25	h	609	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
25	B	747	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
25	A	807	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
31	d	620	DD6	O1-C20-C19	3.32	115.88	113.38
25	i	610	CLA	CHD-C1D-ND	-3.32	121.40	124.45
31	m	621	DD6	C32-C31-C36	3.32	127.32	122.63
25	h	602	CLA	CMB-C2B-C1B	-3.32	123.36	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	775	CLA	O2D-CGD-CBD	3.31	117.16	111.27
25	A	779	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
25	a	602	CLA	O2D-CGD-CBD	3.31	117.15	111.27
25	j	614	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
25	a	613	CLA	O2A-CGA-CBA	3.31	122.29	111.91
35	e	606	CHL	CAA-C2A-C3A	-3.31	103.72	112.78
31	j	620	DD6	C40-C32-C31	-3.31	105.21	110.47
25	m	610	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
25	j	610	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
31	m	621	DD6	C25-C26-C27	-3.30	116.99	126.58
25	i	601	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
25	B	768	CLA	O2A-CGA-CBA	3.30	122.25	111.91
25	a	610	CLA	CHD-C1D-ND	-3.29	121.43	124.45
25	B	748	CLA	CHD-C1D-ND	-3.29	121.43	124.45
25	c	612	CLA	O2D-CGD-CBD	3.29	117.12	111.27
25	A	766	CLA	C1-C2-C3	3.29	131.74	126.04
31	F	4002	DD6	C4-C3-C2	3.29	130.22	123.47
31	h	621	DD6	C40-C32-C31	-3.29	105.24	110.47
25	A	774	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
25	B	737	CLA	O2A-CGA-CBA	3.29	122.24	111.91
25	j	618	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
25	d	610	CLA	O2A-CGA-CBA	3.29	122.23	111.91
25	l	613	CLA	O2D-CGD-CBD	3.29	117.11	111.27
29	A	788	BCR	C35-C13-C14	-3.29	118.32	122.92
31	j	621	DD6	C37-C36-C31	-3.29	119.89	124.35
31	J	4002	DD6	C37-C36-C35	3.28	120.44	114.36
25	p	609	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
25	o	608	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
35	d	608	CHL	CAA-C2A-C3A	-3.28	103.79	112.78
25	b	602	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
25	o	604	CLA	CHD-C1D-ND	-3.28	121.44	124.45
29	B	765	BCR	C35-C13-C14	-3.28	118.33	122.92
31	n	621	DD6	C4-C3-C2	3.28	130.19	123.47
25	d	609	CLA	O2A-CGA-CBA	3.28	122.19	111.91
25	o	610	CLA	CMA-C3A-C2A	-3.28	108.45	116.10
25	B	773	CLA	CMB-C2B-C1B	-3.27	123.43	128.46
31	J	4002	DD6	C40-C32-C31	-3.27	105.27	110.47
25	o	610	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
25	B	780	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
25	k	604	CLA	O2A-CGA-CBA	3.27	122.16	111.91
25	k	610	CLA	CMB-C2B-C3B	3.26	130.78	124.68
25	c	610	CLA	CMB-C2B-C3B	3.26	130.78	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	602	CLA	CHD-C1D-ND	-3.26	121.46	124.45
25	A	794	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
25	c	609	CLA	O2A-CGA-CBA	3.26	122.13	111.91
25	f	615	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
25	h	618	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
25	g	618	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
31	i	620	DD6	C40-C32-C31	-3.26	105.29	110.47
31	p	621	DD6	C37-C36-C35	3.25	120.38	114.36
31	e	620	DD6	C7-C6-C5	-3.25	118.36	122.92
25	m	613	CLA	CHD-C1D-ND	-3.25	121.46	124.45
25	B	780	CLA	CHD-C1D-ND	-3.25	121.47	124.45
25	f	604	CLA	CHD-C1D-ND	-3.25	121.47	124.45
25	o	610	CLA	CHD-C1D-ND	-3.25	121.47	124.45
25	c	602	CLA	O2D-CGD-CBD	3.25	117.04	111.27
31	e	623	DD6	C3-C4-C5	3.25	130.13	123.47
25	p	609	CLA	O2A-CGA-CBA	3.25	122.10	111.91
25	e	614	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
25	A	800	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
25	B	748	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
25	e	607	CLA	CHD-C1D-ND	-3.24	121.47	124.45
31	n	623	DD6	C32-C31-C36	-3.24	118.06	122.63
25	B	736	CLA	CHD-C1D-ND	-3.24	121.48	124.45
25	j	608	CLA	O2A-CGA-CBA	3.24	122.07	111.91
29	B	766	BCR	C35-C13-C14	-3.24	118.39	122.92
25	e	602	CLA	CMB-C2B-C1B	-3.24	123.49	128.46
25	A	771	CLA	O2D-CGD-CBD	3.24	117.02	111.27
25	B	740	CLA	CHD-C1D-ND	-3.24	121.48	124.45
25	c	610	CLA	CHD-C1D-ND	-3.24	121.48	124.45
25	n	604	CLA	O2A-CGA-CBA	3.23	122.06	111.91
25	A	775	CLA	CMB-C2B-C1B	-3.23	123.49	128.46
25	j	618	CLA	O2A-CGA-CBA	3.23	122.06	111.91
25	o	609	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
25	e	608	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
25	h	613	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
25	B	751	CLA	CHD-C1D-ND	-3.23	121.49	124.45
25	B	776	CLA	CMB-C2B-C1B	-3.23	123.51	128.46
25	A	781	CLA	CMB-C2B-C1B	-3.22	123.51	128.46
25	l	610	CLA	O2A-CGA-CBA	3.22	122.02	111.91
25	B	773	CLA	C1-C2-C3	3.22	131.61	126.04
25	e	610	CLA	O2A-CGA-CBA	3.22	122.01	111.91
31	n	621	DD6	C24-C1-C2	3.22	123.88	118.94
25	k	602	CLA	CMB-C2B-C1B	-3.22	123.52	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	774	CLA	O2A-CGA-CBA	3.21	122.00	111.91
25	e	602	CLA	O2D-CGD-CBD	3.21	116.98	111.27
25	g	609	CLA	O2A-CGA-CBA	3.21	122.00	111.91
30	j	200	SQD	C3-C4-C5	3.21	115.97	110.24
25	B	751	CLA	O2A-CGA-CBA	3.21	121.99	111.91
25	b	602	CLA	O2A-CGA-CBA	3.21	121.99	111.91
25	A	763	CLA	CHD-C1D-ND	-3.21	121.50	124.45
31	g	621	DD6	C37-C36-C35	3.21	120.31	114.36
25	o	602	CLA	O2A-CGA-CBA	3.21	121.98	111.91
25	A	765	CLA	CHD-C1D-ND	-3.21	121.50	124.45
25	c	602	CLA	C12-C11-C10	-3.21	102.27	113.62
25	A	776	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
31	F	4002	DD6	C7-C6-C5	-3.21	118.43	122.92
25	a	619	CLA	CHD-C1D-ND	-3.21	121.51	124.45
25	A	803	CLA	C4-C3-C5	-3.21	112.32	115.98
31	i	621	DD6	C25-C26-C27	-3.21	117.27	126.58
25	B	754	CLA	CMB-C2B-C1B	-3.21	123.54	128.46
25	A	767	CLA	CMB-C2B-C1B	-3.20	123.54	128.46
31	d	623	DD6	C37-C36-C31	-3.20	120.00	124.35
25	A	771	CLA	O2A-CGA-CBA	3.20	121.96	111.91
25	k	601	CLA	CHD-C1D-ND	-3.20	121.51	124.45
25	i	601	CLA	O2A-CGA-CBA	3.20	121.95	111.91
31	f	621	DD6	C21-C20-C15	-3.20	116.90	122.26
31	m	620	DD6	C37-C36-C35	3.20	120.28	114.36
31	o	620	DD6	C37-C36-C35	3.20	120.28	114.36
31	b	620	DD6	C40-C32-C31	-3.20	105.39	110.47
25	A	806	CLA	CHD-C1D-ND	-3.19	121.52	124.45
25	m	602	CLA	O2D-CGD-CBD	3.19	116.94	111.27
25	f	610	CLA	CHD-C1D-ND	-3.19	121.52	124.45
25	a	619	CLA	O2A-CGA-CBA	3.19	121.92	111.91
31	o	621	DD6	C40-C32-C31	-3.19	105.40	110.47
25	i	602	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
31	c	620	DD6	C40-C32-C31	-3.19	105.40	110.47
31	f	621	DD6	C37-C36-C35	3.19	120.26	114.36
31	g	621	DD6	C40-C32-C31	-3.19	105.40	110.47
25	A	760	CLA	CMB-C2B-C1B	-3.19	123.56	128.46
25	b	601	CLA	CHD-C1D-ND	-3.19	121.53	124.45
25	A	794	CLA	CHD-C1D-ND	-3.19	121.53	124.45
25	A	797	CLA	CMB-C2B-C1B	-3.19	123.57	128.46
25	g	610	CLA	O2A-CGA-CBA	3.19	121.90	111.91
25	c	608	CLA	CMB-C2B-C1B	-3.18	123.57	128.46
25	k	608	CLA	CMB-C2B-C1B	-3.18	123.57	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	m	620	DD6	C40-C32-C31	-3.18	105.41	110.47
25	c	619	CLA	CMB-C2B-C1B	-3.18	123.57	128.46
25	l	611	CLA	CHD-C1D-ND	-3.18	121.53	124.45
25	A	762	CLA	CMB-C2B-C1B	-3.18	123.57	128.46
25	A	761	CLA	CMB-C2B-C1B	-3.18	123.57	128.46
25	B	782	CLA	CMB-C2B-C3B	3.18	130.63	124.68
30	j	200	SQD	O6-C1-C2	3.18	113.27	108.30
25	A	798	CLA	CMB-C2B-C3B	3.18	130.62	124.68
25	B	781	CLA	O2A-CGA-CBA	3.18	121.87	111.91
25	B	770	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
25	f	613	CLA	C12-C11-C10	-3.17	102.40	113.62
25	A	784	CLA	O2A-CGA-CBA	3.17	121.87	111.91
25	f	613	CLA	CMB-C2B-C1B	-3.17	123.59	128.46
31	b	621	DD6	C41-C32-C31	3.17	115.51	110.47
31	d	623	DD6	C21-C20-C15	-3.17	116.94	122.26
25	a	613	CLA	CHD-C1D-ND	-3.17	121.54	124.45
31	A	4008	DD6	C37-C36-C35	3.17	120.23	114.36
25	g	614	CLA	CHD-C1D-ND	-3.17	121.54	124.45
25	f	612	CLA	O2D-CGD-CBD	3.17	116.90	111.27
31	j	621	DD6	C40-C32-C31	-3.17	105.43	110.47
25	B	774	CLA	CMB-C2B-C1B	-3.17	123.59	128.46
25	A	797	CLA	CHD-C1D-ND	-3.17	121.54	124.45
25	f	609	CLA	CHD-C1D-ND	-3.17	121.54	124.45
25	A	758	CLA	O2A-CGA-CBA	3.17	121.85	111.91
25	d	614	CLA	CMB-C2B-C1B	-3.17	123.59	128.46
31	f	620	DD6	C37-C36-C35	3.17	120.23	114.36
25	n	604	CLA	CMB-C2B-C1B	-3.17	123.60	128.46
25	B	785	CLA	CMB-C2B-C1B	-3.17	123.60	128.46
25	h	604	CLA	O2A-CGA-CBA	3.17	121.84	111.91
25	c	608	CLA	O2A-CGA-CBA	3.16	121.84	111.91
25	g	611	CLA	CHD-C1D-ND	-3.16	121.55	124.45
31	A	4002	DD6	C21-C20-C15	-3.16	116.96	122.26
25	f	602	CLA	O2A-CGA-CBA	3.16	121.83	111.91
31	n	623	DD6	C13-C11-C10	3.16	123.79	118.94
31	c	621	DD6	C25-C26-C27	-3.16	117.41	126.58
25	n	608	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
25	B	742	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
25	d	609	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
25	j	602	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
31	n	620	DD6	C37-C36-C35	3.16	120.20	114.36
31	j	620	DD6	C37-C36-C35	3.15	120.20	114.36
25	k	611	CLA	CMB-C2B-C1B	-3.15	123.62	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	610	CLA	CMB-C2B-C1B	-3.15	123.62	128.46
29	B	765	BCR	C16-C15-C14	3.15	129.93	123.47
31	l	621	DD6	C40-C32-C31	-3.15	105.46	110.47
25	c	609	CLA	CMB-C2B-C1B	-3.15	123.62	128.46
25	c	616	CLA	O2A-CGA-CBA	3.15	121.79	111.91
31	i	621	DD6	C37-C36-C35	3.15	120.19	114.36
25	B	776	CLA	C12-C11-C10	-3.15	102.49	113.62
25	l	613	CLA	O2A-CGA-CBA	3.15	121.78	111.91
31	n	621	DD6	C7-C6-C5	-3.15	118.52	122.92
25	B	757	CLA	CMB-C2B-C1B	-3.15	123.63	128.46
25	c	601	CLA	CMB-C2B-C1B	-3.14	123.63	128.46
25	i	609	CLA	CMB-C2B-C1B	-3.14	123.63	128.46
25	k	614	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
25	g	609	CLA	CHD-C1D-ND	-3.14	121.57	124.45
25	n	602	CLA	C12-C11-C10	-3.14	102.51	113.62
25	A	799	CLA	O2A-CGA-CBA	3.14	121.76	111.91
25	f	602	CLA	C12-C11-C10	-3.14	102.52	113.62
25	A	781	CLA	O2A-CGA-CBA	3.14	121.75	111.91
25	c	613	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
25	d	603	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
25	B	778	CLA	O2A-CGA-CBA	3.14	121.75	111.91
31	b	620	DD6	C37-C36-C35	3.14	120.16	114.36
31	b	621	DD6	C40-C32-C31	-3.13	105.49	110.47
31	e	621	DD6	C37-C36-C35	3.13	120.16	114.36
31	i	621	DD6	C40-C32-C31	-3.13	105.49	110.47
29	B	762	BCR	C15-C14-C13	-3.13	122.84	127.31
25	B	775	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
25	A	803	CLA	O2A-CGA-CBA	3.13	121.73	111.91
31	c	621	DD6	O1-C20-C19	3.13	115.73	113.38
25	A	777	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
31	o	621	DD6	C37-C36-C35	3.13	120.15	114.36
31	n	620	DD6	O1-C20-C21	-3.13	111.31	115.06
31	h	620	DD6	C40-C32-C31	-3.13	105.50	110.47
31	J	4002	DD6	C21-C20-C15	-3.12	117.03	122.26
25	h	608	CLA	O2A-CGA-CBA	3.12	121.71	111.91
31	k	620	DD6	C40-C32-C31	-3.12	105.50	110.47
25	A	774	CLA	O2A-CGA-CBA	3.12	121.71	111.91
25	o	602	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
31	h	621	DD6	O1-C20-C19	3.12	115.73	113.38
25	B	757	CLA	O2A-CGA-CBA	3.12	121.70	111.91
31	h	620	DD6	C21-C20-C15	-3.12	117.03	122.26
25	k	618	CLA	O2A-CGA-CBA	3.12	121.70	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	i	611	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
25	B	756	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
25	p	604	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
31	f	620	DD6	C40-C32-C31	-3.12	105.51	110.47
25	A	753	CLA	O2A-CGA-CBA	3.12	121.69	111.91
25	g	610	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
25	i	610	CLA	O2A-CGA-CBA	3.12	121.69	111.91
25	d	610	CLA	C12-C11-C10	-3.12	102.60	113.62
31	h	621	DD6	C37-C36-C35	3.12	120.13	114.36
25	B	744	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
29	A	788	BCR	C36-C18-C17	-3.12	118.56	122.92
25	B	780	CLA	O2A-CGA-CBA	3.11	121.68	111.91
25	f	613	CLA	O2A-CGA-CBA	3.11	121.68	111.91
31	g	620	DD6	C37-C36-C35	3.11	120.12	114.36
25	A	753	CLA	CHD-C1D-ND	-3.11	121.59	124.45
25	A	793	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
31	l	620	DD6	C21-C20-C15	-3.11	117.04	122.26
25	d	604	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
31	g	620	DD6	C21-C20-C15	-3.11	117.05	122.26
25	f	612	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
25	p	610	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
25	g	608	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
25	k	613	CLA	CHD-C1D-ND	-3.11	121.60	124.45
30	A	795	SQD	O8-S-C6	3.10	110.69	105.74
31	k	621	DD6	C37-C36-C35	3.10	120.11	114.36
25	B	740	CLA	CMB-C2B-C1B	-3.10	123.69	128.46
25	a	609	CLA	O2A-CGA-CBA	3.10	121.65	111.91
25	A	768	CLA	CMB-C2B-C1B	-3.10	123.69	128.46
25	i	608	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
25	l	603	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
25	A	769	CLA	O2D-CGD-CBD	3.10	116.78	111.27
25	m	611	CLA	CHD-C1D-ND	-3.10	121.60	124.45
31	i	625	DD6	C37-C36-C35	3.10	120.10	114.36
25	o	601	CLA	CHD-C1D-ND	-3.10	121.61	124.45
25	l	601	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
25	a	602	CLA	CHD-C1D-ND	-3.10	121.61	124.45
31	m	621	DD6	C40-C32-C31	-3.10	105.54	110.47
25	A	799	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
25	B	743	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
25	p	613	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
25	A	791	CLA	O2A-CGA-CBA	3.10	121.62	111.91
25	g	601	CLA	O2D-CGD-CBD	3.10	116.77	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	k	610	CLA	O2A-CGA-CBA	3.09	121.62	111.91
25	B	739	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
25	g	611	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
25	e	607	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
25	g	613	CLA	O2A-CGA-CBA	3.09	121.61	111.91
25	a	619	CLA	C1-C2-C3	3.09	131.39	126.04
25	c	611	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
25	B	756	CLA	O2A-CGA-CBA	3.09	121.61	111.91
25	k	612	CLA	CMB-C2B-C1B	-3.09	123.72	128.46
25	n	607	CLA	CHD-C1D-ND	-3.09	121.62	124.45
31	c	623	DD6	C37-C36-C35	3.09	120.07	114.36
31	c	623	DD6	C40-C32-C31	-3.09	105.56	110.47
25	A	773	CLA	CHD-C1D-ND	-3.08	121.62	124.45
25	l	602	CLA	C12-C11-C10	-3.08	102.72	113.62
25	e	613	CLA	O2A-CGA-CBA	3.08	121.58	111.91
25	b	601	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
25	i	612	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
25	A	778	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
25	e	601	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
25	f	614	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
25	d	609	CLA	CHD-C1D-ND	-3.08	121.63	124.45
25	p	612	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
25	B	749	CLA	CMB-C2B-C1B	-3.08	123.74	128.46
25	c	612	CLA	CMB-C2B-C1B	-3.08	123.74	128.46
31	a	621	DD6	C37-C36-C35	3.08	120.05	114.36
25	e	612	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
25	h	601	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
25	j	608	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
25	b	611	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
25	k	608	CLA	O2A-CGA-CBA	3.07	121.55	111.91
25	n	608	CLA	CHD-C1D-ND	-3.07	121.63	124.45
25	f	611	CLA	CHD-C1D-ND	-3.07	121.63	124.45
25	d	611	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
25	j	613	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
35	d	606	CHL	CMB-C2B-C1B	-3.07	123.75	128.46
25	j	602	CLA	O2A-CGA-CBA	3.07	121.54	111.91
31	J	4002	DD6	O1-C20-C19	3.07	115.69	113.38
25	h	601	CLA	O2A-CGA-CBA	3.07	121.53	111.91
31	e	620	DD6	C4-C3-C2	3.07	129.76	123.47
25	e	605	CLA	CHD-C1D-ND	-3.07	121.64	124.45
29	A	796	BCR	C29-C30-C25	3.07	115.20	110.48
25	j	610	CLA	O2A-CGA-CBA	3.07	121.53	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e	623	DD6	C8-C6-C5	3.06	123.64	118.94
25	B	748	CLA	C12-C11-C10	-3.06	102.78	113.62
31	i	620	DD6	C21-C20-C15	-3.06	117.13	122.26
31	p	621	DD6	C21-C20-C15	-3.06	117.13	122.26
25	c	606	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
25	B	752	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
30	c	245	SQD	O8-S-C6	3.06	110.62	105.74
35	d	608	CHL	CMB-C2B-C1B	-3.06	123.76	128.46
25	o	604	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
31	a	621	DD6	C40-C32-C31	-3.06	105.60	110.47
25	A	783	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
25	d	612	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
25	k	604	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
31	k	620	DD6	C21-C20-C15	-3.06	117.13	122.26
25	n	602	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
29	B	766	BCR	C15-C16-C17	3.06	129.74	123.47
25	a	611	CLA	CMB-C2B-C1B	-3.06	123.77	128.46
25	m	603	CLA	O2A-CGA-CBA	3.06	121.50	111.91
25	p	602	CLA	CHD-C1D-ND	-3.06	121.65	124.45
31	c	621	DD6	C37-C36-C31	-3.06	120.20	124.35
25	A	753	CLA	CMB-C2B-C3B	3.05	130.39	124.68
25	B	746	CLA	CHD-C1D-ND	-3.05	121.65	124.45
25	k	611	CLA	CHD-C1D-ND	-3.05	121.65	124.45
31	c	620	DD6	C37-C36-C35	3.05	120.01	114.36
25	l	602	CLA	C1-C2-C3	3.05	131.32	126.04
25	c	609	CLA	CHD-C1D-ND	-3.05	121.65	124.45
25	d	610	CLA	CHD-C1D-ND	-3.05	121.65	124.45
25	e	611	CLA	CHD-C1D-ND	-3.05	121.65	124.45
25	i	602	CLA	CHD-C1D-ND	-3.05	121.65	124.45
25	f	601	CLA	CHD-C1D-ND	-3.05	121.65	124.45
31	A	4008	DD6	C40-C32-C31	-3.05	105.62	110.47
25	h	610	CLA	CHD-C1D-ND	-3.05	121.65	124.45
31	i	620	DD6	C37-C36-C35	3.05	120.01	114.36
25	e	604	CLA	O2A-CGA-CBA	3.05	121.48	111.91
25	e	605	CLA	CMB-C2B-C1B	-3.05	123.77	128.46
25	e	611	CLA	CMB-C2B-C1B	-3.05	123.77	128.46
25	l	612	CLA	CMB-C2B-C1B	-3.05	123.77	128.46
25	b	610	CLA	CHD-C1D-ND	-3.05	121.65	124.45
25	i	615	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
25	p	601	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
25	b	612	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
25	l	602	CLA	O2D-CGD-CBD	3.04	116.68	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	c	614	CLA	CMB-C2B-C1B	-3.04	123.78	128.46
25	k	618	CLA	CMB-C2B-C1B	-3.04	123.78	128.46
25	l	611	CLA	CMB-C2B-C1B	-3.04	123.78	128.46
25	B	784	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
25	m	611	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
31	o	620	DD6	C40-C32-C31	-3.04	105.63	110.47
25	h	608	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
25	l	604	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
25	A	780	CLA	O2A-CGA-CBA	3.04	121.45	111.91
25	j	609	CLA	O2A-CGA-CBA	3.04	121.45	111.91
25	m	602	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
25	h	604	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
25	b	611	CLA	CHD-C1D-ND	-3.04	121.66	124.45
31	h	620	DD6	C37-C36-C35	3.04	119.98	114.36
25	o	614	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
31	a	620	DD6	C37-C36-C35	3.04	119.98	114.36
25	a	601	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
25	A	779	CLA	CHD-C1D-ND	-3.04	121.66	124.45
25	A	752	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
25	d	601	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
25	k	601	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
25	d	601	CLA	O2A-CGA-CBA	3.03	121.43	111.91
25	n	603	CLA	O2A-CGA-CBA	3.03	121.43	111.91
31	A	4008	DD6	C21-C20-C15	-3.03	117.18	122.26
25	B	779	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
25	l	610	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
31	d	623	DD6	C40-C32-C31	-3.03	105.65	110.47
25	l	613	CLA	CHD-C1D-ND	-3.03	121.67	124.45
28	B	761	PQN	C2M-C2-C1	-3.03	111.25	116.27
25	h	603	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
25	A	802	CLA	CHD-C1D-ND	-3.03	121.67	124.45
25	A	784	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
25	A	782	CLA	O2A-CGA-CBA	3.03	121.41	111.91
25	A	803	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
25	j	612	CLA	CMB-C2B-C3B	3.03	130.34	124.68
31	e	621	DD6	C40-C32-C31	-3.03	105.66	110.47
25	n	612	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
25	h	609	CLA	O2A-CGA-CBA	3.03	121.40	111.91
29	B	765	BCR	C36-C18-C17	-3.02	118.69	122.92
31	k	621	DD6	C40-C32-C31	-3.02	105.67	110.47
25	e	602	CLA	O2A-CGA-CBA	3.02	121.39	111.91
25	A	806	CLA	CMB-C2B-C1B	-3.02	123.82	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	613	CLA	CMB-C2B-C1B	-3.02	123.82	128.46
25	j	609	CLA	CHD-C1D-ND	-3.02	121.68	124.45
25	B	772	CLA	O2A-CGA-CBA	3.02	121.39	111.91
25	m	612	CLA	CMB-C2B-C1B	-3.02	123.82	128.46
25	c	604	CLA	O2A-CGA-CBA	3.02	121.38	111.91
25	g	613	CLA	CMB-C2B-C1B	-3.02	123.83	128.46
25	a	619	CLA	CMB-C2B-C1B	-3.02	123.83	128.46
25	a	608	CLA	O2A-CGA-CBA	3.02	121.37	111.91
25	A	759	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
25	m	613	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
25	b	613	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
25	l	609	CLA	O2A-CGA-CBA	3.01	121.36	111.91
25	m	603	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
25	k	604	CLA	CHD-C1D-ND	-3.01	121.69	124.45
31	k	620	DD6	C37-C36-C35	3.01	119.93	114.36
25	b	603	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
25	l	604	CLA	CHD-C1D-ND	-3.01	121.69	124.45
25	i	614	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
25	n	607	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
25	B	776	CLA	O2A-CGA-CBA	3.01	121.36	111.91
25	B	777	CLA	O2A-CGA-CBA	3.01	121.36	111.91
25	A	776	CLA	O2A-CGA-CBA	3.01	121.35	111.91
25	b	612	CLA	CHD-C1D-ND	-3.01	121.69	124.45
25	g	603	CLA	C2D-C1D-ND	3.01	112.32	110.10
31	g	620	DD6	C37-C36-C31	-3.01	120.26	124.35
25	A	771	CLA	CHD-C1D-ND	-3.01	121.69	124.45
25	A	799	CLA	O2D-CGD-O1D	-3.01	117.96	123.84
35	d	605	CHL	C1-C2-C3	3.01	131.62	126.75
25	e	610	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
25	i	602	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
30	g	190	SQD	O8-S-C6	3.01	110.53	105.74
25	B	772	CLA	CHD-C1D-ND	-3.01	121.69	124.45
25	A	764	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
31	b	621	DD6	C37-C36-C35	3.00	119.92	114.36
25	A	798	CLA	O2A-CGA-CBA	3.00	121.33	111.91
25	k	610	CLA	CHD-C1D-ND	-3.00	121.69	124.45
31	o	620	DD6	C21-C20-C15	-3.00	117.23	122.26
31	d	620	DD6	C37-C36-C35	3.00	119.92	114.36
25	n	605	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
25	j	611	CLA	O2A-CGA-CBA	3.00	121.33	111.91
25	j	604	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
25	f	602	CLA	CMB-C2B-C1B	-3.00	123.85	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	609	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
25	e	604	CLA	CMB-C2B-C1B	-3.00	123.86	128.46
25	o	609	CLA	CHD-C1D-ND	-3.00	121.70	124.45
25	n	613	CLA	CMB-C2B-C1B	-3.00	123.86	128.46
25	a	604	CLA	CMB-C2B-C1B	-3.00	123.86	128.46
31	b	621	DD6	C25-C26-C27	-3.00	117.88	126.58
31	l	621	DD6	C37-C36-C35	3.00	119.90	114.36
25	B	748	CLA	O2A-CGA-CBA	2.99	121.31	111.91
25	p	610	CLA	CHD-C1D-ND	-2.99	121.70	124.45
25	b	613	CLA	CHD-C1D-ND	-2.99	121.70	124.45
25	l	602	CLA	CMB-C2B-C1B	-2.99	123.86	128.46
25	B	753	CLA	CMB-C2B-C1B	-2.99	123.86	128.46
31	n	620	DD6	C21-C20-C15	-2.99	117.25	122.26
25	g	602	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
25	o	601	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
25	B	746	CLA	O2A-CGA-CBA	2.99	121.28	111.91
31	e	623	DD6	C13-C11-C10	2.99	123.53	118.94
25	B	752	CLA	O2A-CGA-CBA	2.99	121.28	111.91
25	h	614	CLA	CMB-C2B-C1B	-2.99	123.88	128.46
25	B	759	CLA	CMB-C2B-C1B	-2.99	123.88	128.46
31	d	620	DD6	C40-C32-C31	-2.98	105.72	110.47
25	c	602	CLA	CMB-C2B-C3B	2.98	130.26	124.68
25	A	801	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
25	A	802	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
31	l	620	DD6	C37-C36-C31	-2.98	120.30	124.35
25	B	739	CLA	C1-C2-C3	2.98	131.20	126.04
29	A	792	BCR	C12-C13-C14	2.98	123.51	118.94
25	A	782	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
25	B	741	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
31	f	621	DD6	C37-C36-C31	-2.98	120.30	124.35
25	A	752	CLA	O2A-CGA-CBA	2.98	121.25	111.91
25	f	604	CLA	CMB-C2B-C1B	-2.98	123.89	128.46
31	c	623	DD6	C37-C36-C31	-2.98	120.31	124.35
31	A	4002	DD6	C28-C27-C29	-2.97	110.95	116.84
25	f	611	CLA	CMB-C2B-C1B	-2.97	123.89	128.46
31	a	620	DD6	C40-C32-C31	-2.97	105.74	110.47
31	j	620	DD6	C21-C20-C15	-2.97	117.28	122.26
25	m	609	CLA	O2A-CGA-CBA	2.97	121.23	111.91
25	e	603	CLA	CMB-C2B-C1B	-2.97	123.90	128.46
25	A	761	CLA	O2A-CGA-CBA	2.97	121.23	111.91
25	h	613	CLA	CHD-C1D-ND	-2.97	121.72	124.45
25	B	753	CLA	O2A-CGA-CBA	2.97	121.23	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	769	CLA	CHD-C1D-ND	-2.97	121.73	124.45
25	c	603	CLA	O2A-CGA-CBA	2.97	121.22	111.91
31	g	621	DD6	C37-C36-C31	-2.97	120.32	124.35
25	h	601	CLA	O1D-CGD-CBD	-2.97	118.41	124.48
31	e	621	DD6	C37-C36-C31	-2.97	120.32	124.35
31	d	621	DD6	C21-C20-C15	-2.97	117.29	122.26
25	B	768	CLA	CMB-C2B-C1B	-2.97	123.91	128.46
25	h	612	CLA	CMB-C2B-C1B	-2.96	123.91	128.46
25	g	612	CLA	CMB-C2B-C1B	-2.96	123.91	128.46
25	A	765	CLA	CMB-C2B-C1B	-2.96	123.91	128.46
25	l	602	CLA	O2A-CGA-CBA	2.96	121.21	111.91
31	g	620	DD6	C3-C2-C1	-2.96	123.08	127.31
25	f	613	CLA	CHD-C1D-ND	-2.96	121.73	124.45
25	i	611	CLA	CHD-C1D-ND	-2.96	121.73	124.45
25	l	613	CLA	CMB-C2B-C1B	-2.96	123.91	128.46
25	m	602	CLA	CHD-C1D-ND	-2.96	121.73	124.45
25	m	609	CLA	CHD-C1D-ND	-2.96	121.73	124.45
31	l	620	DD6	C40-C32-C31	-2.96	105.76	110.47
25	o	602	CLA	O1D-CGD-CBD	-2.96	118.43	124.48
31	c	624	DD6	C8-C6-C5	2.96	123.48	118.94
31	d	623	DD6	C37-C36-C35	2.96	119.84	114.36
25	i	609	CLA	CHD-C1D-ND	-2.96	121.74	124.45
25	d	602	CLA	O2A-CGA-CBA	2.96	121.19	111.91
31	A	4002	DD6	C40-C32-C31	-2.96	105.77	110.47
25	A	765	CLA	O2A-CGA-CBA	2.96	121.18	111.91
25	B	783	CLA	CMB-C2B-C1B	-2.96	123.92	128.46
25	A	778	CLA	CHD-C1D-ND	-2.96	121.74	124.45
31	d	620	DD6	C37-C36-C31	-2.95	120.33	124.35
25	j	612	CLA	C1-C2-C3	2.95	131.15	126.04
31	o	621	DD6	C21-C20-C15	-2.95	117.31	122.26
31	h	621	DD6	C21-C20-C15	-2.95	117.31	122.26
27	h	189	LHG	O7-C7-C8	2.95	117.86	111.50
25	m	604	CLA	CMB-C2B-C1B	-2.95	123.93	128.46
31	b	621	DD6	C21-C20-C15	-2.95	117.32	122.26
25	c	603	CLA	C1-C2-C3	2.95	131.14	126.04
25	g	604	CLA	CMB-C2B-C1B	-2.95	123.93	128.46
25	A	763	CLA	O2A-CGA-CBA	2.95	121.16	111.91
31	p	621	DD6	C40-C32-C31	-2.94	105.79	110.47
25	B	773	CLA	O2A-CGA-CBA	2.94	121.15	111.91
31	d	620	DD6	C21-C20-C15	-2.94	117.33	122.26
25	h	610	CLA	O2A-CGA-O1A	-2.94	116.17	123.59
35	c	607	CHL	C2A-C1A-CHA	2.94	129.00	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	797	CLA	O2A-CGA-CBA	2.94	121.14	111.91
25	i	604	CLA	CMB-C2B-C1B	-2.94	123.94	128.46
25	i	615	CLA	O2A-CGA-CBA	2.94	121.14	111.91
25	a	609	CLA	CHD-C1D-ND	-2.94	121.75	124.45
25	J	101	CLA	CMB-C2B-C1B	-2.94	123.95	128.46
25	o	612	CLA	CMB-C2B-C1B	-2.94	123.95	128.46
25	c	606	CLA	CHD-C1D-ND	-2.94	121.75	124.45
31	f	621	DD6	C40-C32-C31	-2.94	105.80	110.47
31	l	621	DD6	C21-C20-C15	-2.94	117.34	122.26
25	A	764	CLA	CHD-C1D-ND	-2.93	121.76	124.45
31	c	623	DD6	O1-C20-C21	-2.93	111.54	115.06
25	A	794	CLA	O2A-CGA-CBA	2.93	121.12	111.91
31	A	4008	DD6	C37-C36-C31	-2.93	120.36	124.35
25	k	613	CLA	CMB-C2B-C1B	-2.93	123.95	128.46
31	g	620	DD6	C40-C32-C31	-2.93	105.81	110.47
25	c	602	CLA	O2A-CGA-CBA	2.93	121.11	111.91
31	j	621	DD6	C21-C20-C15	-2.93	117.34	122.26
31	m	621	DD6	C37-C36-C31	-2.93	120.36	124.35
31	a	620	DD6	C37-C36-C31	-2.93	120.37	124.35
31	l	620	DD6	C37-C36-C35	2.93	119.78	114.36
25	B	750	CLA	CHD-C1D-ND	-2.93	121.76	124.45
25	o	613	CLA	CHD-C1D-ND	-2.93	121.76	124.45
25	k	613	CLA	O2A-CGA-CBA	2.93	121.10	111.91
25	a	612	CLA	CMB-C2B-C1B	-2.93	123.96	128.46
25	l	617	CLA	CMB-C2B-C1B	-2.93	123.96	128.46
25	n	610	CLA	CMA-C3A-C2A	-2.93	109.27	116.10
25	B	749	CLA	O2A-CGA-CBA	2.93	121.10	111.91
30	j	200	SQD	O8-S-C6	2.93	110.41	105.74
25	B	775	CLA	O2A-CGA-CBA	2.93	121.09	111.91
25	A	775	CLA	CHD-C1D-ND	-2.93	121.77	124.45
25	A	807	CLA	O2A-CGA-CBA	2.93	121.09	111.91
25	A	755	CLA	CMB-C2B-C1B	-2.92	123.97	128.46
25	j	612	CLA	O2A-CGA-CBA	2.92	121.08	111.91
25	j	604	CLA	O2A-CGA-CBA	2.92	121.08	111.91
25	c	603	CLA	CMB-C2B-C1B	-2.92	123.97	128.46
25	j	603	CLA	CMB-C2B-C1B	-2.92	123.97	128.46
25	i	613	CLA	CMB-C2B-C1B	-2.92	123.98	128.46
25	B	739	CLA	CHD-C1D-ND	-2.92	121.77	124.45
25	c	610	CLA	O2A-CGA-CBA	2.92	121.07	111.91
25	k	609	CLA	O2A-CGA-CBA	2.92	121.07	111.91
31	e	620	DD6	C3-C4-C5	2.92	129.45	123.47
25	a	603	CLA	CMB-C2B-C1B	-2.92	123.98	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	601	CLA	CHD-C1D-ND	-2.92	121.77	124.45
25	l	614	CLA	CMB-C2B-C1B	-2.92	123.98	128.46
31	g	621	DD6	C21-C20-C15	-2.91	117.38	122.26
25	b	602	CLA	O1D-CGD-CBD	-2.91	118.53	124.48
30	j	200	SQD	C1-O5-C5	-2.91	107.98	113.69
25	g	610	CLA	CHD-C1D-ND	-2.91	121.78	124.45
25	B	782	CLA	O2A-CGA-CBA	2.91	121.03	111.91
31	b	621	DD6	C37-C36-C31	-2.91	120.40	124.35
25	n	610	CLA	CHD-C1D-ND	-2.91	121.78	124.45
25	p	609	CLA	CHD-C1D-ND	-2.91	121.78	124.45
25	A	804	CLA	O2A-CGA-CBA	2.90	121.02	111.91
25	e	608	CLA	O2A-CGA-CBA	2.90	121.02	111.91
25	c	616	CLA	CMB-C2B-C1B	-2.90	124.00	128.46
25	A	781	CLA	CHD-C1D-ND	-2.90	121.79	124.45
31	d	621	DD6	C40-C32-C31	-2.90	105.86	110.47
31	a	620	DD6	C21-C20-C15	-2.90	117.40	122.26
29	B	766	BCR	C36-C18-C17	-2.90	118.86	122.92
25	A	762	CLA	CHD-C1D-ND	-2.90	121.79	124.45
25	g	613	CLA	CHD-C1D-ND	-2.90	121.79	124.45
25	B	783	CLA	O2A-CGA-CBA	2.90	121.00	111.91
25	m	601	CLA	CMB-C2B-C1B	-2.90	124.01	128.46
29	A	792	BCR	C15-C16-C17	2.90	129.41	123.47
25	a	610	CLA	O2A-CGA-CBA	2.90	121.00	111.91
25	B	785	CLA	CHD-C1D-ND	-2.90	121.79	124.45
25	A	762	CLA	O2A-CGA-CBA	2.90	121.00	111.91
25	h	604	CLA	CHD-C1D-ND	-2.89	121.79	124.45
31	m	621	DD6	C37-C36-C35	2.89	119.71	114.36
25	A	803	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	a	604	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	m	610	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	B	745	CLA	CMB-C2B-C1B	-2.89	124.02	128.46
25	A	768	CLA	O2A-CGA-CBA	2.89	120.98	111.91
25	B	771	CLA	CMB-C2B-C1B	-2.89	124.02	128.46
25	a	611	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	l	614	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	A	765	CLA	C1-C2-C3	2.89	131.04	126.04
25	B	755	CLA	O2A-CGA-CBA	2.89	120.98	111.91
31	i	625	DD6	C40-C32-C31	-2.89	105.88	110.47
25	k	609	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	m	602	CLA	O2A-CGA-CBA	2.89	120.97	111.91
25	A	775	CLA	O2A-CGA-CBA	2.89	120.97	111.91
31	f	620	DD6	C21-C20-C15	-2.89	117.42	122.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	c	604	CLA	CHD-C1D-ND	-2.89	121.80	124.45
25	e	613	CLA	CHD-C1D-ND	-2.89	121.80	124.45
28	B	761	PQN	C6-C5-C4	-2.89	115.87	120.10
27	g	189	LHG	O7-C7-C8	2.88	117.72	111.50
31	n	620	DD6	C40-C32-C31	-2.88	105.88	110.47
25	f	610	CLA	O2A-CGA-CBA	2.88	120.96	111.91
31	g	620	DD6	C28-C27-C29	-2.88	111.13	116.84
25	c	613	CLA	CHD-C1D-ND	-2.88	121.81	124.45
25	c	613	CLA	O2A-CGA-CBA	2.88	120.95	111.91
25	g	603	CLA	CMB-C2B-C1B	-2.88	124.04	128.46
25	h	601	CLA	O2D-CGD-CBD	2.88	116.38	111.27
25	b	612	CLA	O2A-CGA-CBA	2.88	120.94	111.91
29	A	792	BCR	C19-C18-C17	2.88	123.36	118.94
25	i	602	CLA	O2A-CGA-CBA	2.88	120.94	111.91
25	B	758	CLA	O2A-CGA-CBA	2.87	120.93	111.91
25	k	602	CLA	CHD-C1D-ND	-2.87	121.81	124.45
29	A	788	BCR	C12-C13-C14	2.87	123.35	118.94
25	n	603	CLA	CMB-C2B-C1B	-2.87	124.05	128.46
25	A	808	CLA	CMB-C2B-C3B	2.87	130.05	124.68
25	A	770	CLA	O2A-CGA-CBA	2.87	120.92	111.91
25	J	101	CLA	O2A-CGA-CBA	2.87	120.91	111.91
31	c	620	DD6	C21-C20-C15	-2.87	117.45	122.26
30	g	190	SQD	O9-S-C6	2.87	110.35	106.94
31	c	621	DD6	C37-C36-C35	2.87	119.67	114.36
25	A	808	CLA	O2A-CGA-CBA	2.87	120.91	111.91
25	g	614	CLA	CMB-C2B-C1B	-2.87	124.06	128.46
25	g	601	CLA	O1D-CGD-CBD	-2.87	118.62	124.48
25	d	604	CLA	O2A-CGA-CBA	2.87	120.91	111.91
25	k	615	CLA	CHD-C1D-ND	-2.87	121.82	124.45
25	B	760	CLA	CMB-C2B-C1B	-2.87	124.06	128.46
25	B	741	CLA	O2A-CGA-CBA	2.87	120.90	111.91
25	e	613	CLA	CMB-C2B-C1B	-2.86	124.06	128.46
25	g	615	CLA	CMB-C2B-C1B	-2.86	124.06	128.46
25	d	602	CLA	CHD-C1D-ND	-2.86	121.82	124.45
25	c	602	CLA	CHD-C1D-ND	-2.86	121.83	124.45
31	b	620	DD6	O1-C20-C21	-2.86	111.63	115.06
25	c	614	CLA	CHD-C1D-ND	-2.86	121.83	124.45
25	b	608	CLA	CMA-C3A-C2A	-2.86	109.43	116.10
25	g	601	CLA	CHD-C1D-ND	-2.86	121.83	124.45
27	m	182	LHG	O7-C7-C8	2.86	117.66	111.50
25	p	602	CLA	CMB-C2B-C1B	-2.86	124.08	128.46
25	A	755	CLA	CHD-C1D-ND	-2.86	121.83	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	755	CLA	C1-C2-C3	2.85	130.98	126.04
25	B	746	CLA	CMB-C2B-C1B	-2.85	124.08	128.46
25	f	615	CLA	CHD-C1D-ND	-2.85	121.83	124.45
31	j	621	DD6	C37-C36-C35	2.85	119.64	114.36
29	B	765	BCR	C12-C13-C14	2.85	123.31	118.94
25	l	609	CLA	C1-C2-C3	2.85	130.97	126.04
31	m	620	DD6	C21-C20-C15	-2.85	117.49	122.26
25	A	793	CLA	CHD-C1D-ND	-2.85	121.84	124.45
25	j	602	CLA	CHD-C1D-ND	-2.85	121.84	124.45
25	A	759	CLA	O2A-CGA-CBA	2.85	120.84	111.91
25	b	605	CLA	CHD-C1D-ND	-2.85	121.84	124.45
25	A	783	CLA	CHD-C1D-ND	-2.85	121.84	124.45
25	B	773	CLA	CHD-C1D-ND	-2.85	121.84	124.45
25	A	784	CLA	CHD-C1D-ND	-2.85	121.84	124.45
25	f	608	CLA	CMB-C2B-C1B	-2.84	124.09	128.46
25	B	758	CLA	CHD-C1D-ND	-2.84	121.84	124.45
25	B	739	CLA	O2A-CGA-CBA	2.84	120.83	111.91
25	c	613	CLA	C1-C2-C3	2.84	130.96	126.04
35	d	605	CHL	O2A-CGA-CBA	2.84	120.83	111.91
25	h	618	CLA	CHD-C1D-ND	-2.84	121.84	124.45
25	l	609	CLA	CHD-C1D-ND	-2.84	121.84	124.45
25	h	601	CLA	CHD-C1D-ND	-2.84	121.84	124.45
31	d	621	DD6	C37-C36-C35	2.84	119.61	114.36
25	c	604	CLA	CMB-C2B-C1B	-2.84	124.10	128.46
25	j	601	CLA	CHD-C1D-ND	-2.84	121.85	124.45
30	A	795	SQD	O6-C1-C2	2.84	112.73	108.30
27	h	190	LHG	O7-C7-C8	2.84	117.61	111.50
25	a	601	CLA	O2A-CGA-CBA	2.84	120.81	111.91
25	m	601	CLA	C2D-C1D-ND	2.83	112.19	110.10
25	o	613	CLA	CMB-C2B-C1B	-2.83	124.11	128.46
34	e	205	DGD	O6D-C1D-O3G	-2.83	103.27	109.97
25	i	613	CLA	CHD-C1D-ND	-2.83	121.85	124.45
31	f	621	DD6	O1-C20-C21	-2.83	111.67	115.06
25	A	799	CLA	O1D-CGD-CBD	-2.83	118.70	124.48
25	p	603	CLA	CMB-C2B-C1B	-2.83	124.12	128.46
25	A	765	CLA	C12-C11-C10	-2.83	103.63	113.62
25	h	612	CLA	O2A-CGA-CBA	2.82	120.77	111.91
25	B	782	CLA	CHD-C1D-ND	-2.82	121.86	124.45
25	B	770	CLA	O2A-CGA-CBA	2.82	120.77	111.91
31	k	620	DD6	O1-C20-C19	2.82	115.50	113.38
25	j	611	CLA	CHD-C1D-ND	-2.82	121.86	124.45
25	j	601	CLA	O2A-CGA-CBA	2.82	120.76	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	771	CLA	O2A-CGA-CBA	2.82	120.76	111.91
31	i	625	DD6	C37-C36-C31	-2.82	120.52	124.35
25	a	608	CLA	CHD-C1D-ND	-2.82	121.86	124.45
25	d	604	CLA	C1-C2-C3	2.82	130.92	126.04
31	l	620	DD6	O1-C20-C19	2.82	115.50	113.38
25	A	763	CLA	CMB-C2B-C1B	-2.82	124.13	128.46
25	e	609	CLA	O2A-CGA-CBA	2.82	120.75	111.91
25	A	808	CLA	CHD-C1D-ND	-2.82	121.86	124.45
25	B	779	CLA	O2A-CGA-CBA	2.82	120.74	111.91
25	i	604	CLA	CHD-C1D-ND	-2.82	121.87	124.45
25	A	755	CLA	O2A-CGA-CBA	2.81	120.74	111.91
25	B	768	CLA	CHD-C1D-ND	-2.81	121.87	124.45
27	A	786	LHG	O7-C7-C8	2.81	117.56	111.50
27	i	194	LHG	O7-C7-C8	2.81	117.56	111.50
25	h	611	CLA	CHD-C1D-ND	-2.81	121.87	124.45
28	d	223	PQN	C6-C5-C4	-2.81	115.98	120.10
29	B	765	BCR	C15-C16-C17	2.81	129.23	123.47
31	i	621	DD6	C37-C36-C31	-2.81	120.53	124.35
25	b	609	CLA	CHD-C1D-ND	-2.81	121.87	124.45
25	A	777	CLA	CHD-C1D-ND	-2.81	121.87	124.45
31	c	620	DD6	C37-C36-C31	-2.81	120.53	124.35
25	J	101	CLA	CHD-C1D-ND	-2.81	121.88	124.45
25	g	615	CLA	CHD-C1D-ND	-2.80	121.88	124.45
27	d	237	LHG	O7-C7-C8	2.80	117.54	111.50
25	B	774	CLA	CHD-C1D-ND	-2.80	121.88	124.45
30	j	200	SQD	O48-C23-C24	2.80	120.69	111.91
25	A	801	CLA	O2A-CGA-CBA	2.80	120.68	111.91
25	h	602	CLA	CHD-C1D-ND	-2.80	121.89	124.45
31	o	621	DD6	C37-C36-C31	-2.79	120.55	124.35
25	i	613	CLA	C12-C11-C10	-2.79	103.74	113.62
25	A	783	CLA	O2A-CGA-CBA	2.79	120.68	111.91
25	A	805	CLA	C2A-C1A-CHA	2.79	128.74	123.86
29	B	762	BCR	C2-C1-C6	2.79	114.78	110.48
31	J	4002	DD6	C28-C27-C29	-2.79	111.31	116.84
25	h	612	CLA	C2D-C1D-ND	2.79	112.16	110.10
25	g	604	CLA	CHD-C1D-ND	-2.79	121.89	124.45
31	i	620	DD6	C37-C36-C31	-2.79	120.56	124.35
25	A	808	CLA	C1-C2-C3	2.79	130.86	126.04
25	b	604	CLA	CHD-C1D-ND	-2.78	121.89	124.45
31	g	620	DD6	C32-C33-C34	-2.78	107.36	113.64
35	d	608	CHL	CHD-C1D-ND	-2.78	121.90	124.45
25	h	612	CLA	CHD-C1D-ND	-2.78	121.90	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	750	CLA	O2A-CGA-CBA	2.78	120.63	111.91
27	c	243	LHG	O7-C7-C8	2.78	117.49	111.50
29	A	788	BCR	C1-C6-C5	-2.78	118.70	122.61
25	e	609	CLA	CHD-C1D-ND	-2.78	121.90	124.45
25	d	601	CLA	CHD-C1D-ND	-2.78	121.90	124.45
31	a	621	DD6	C37-C36-C31	-2.78	120.58	124.35
25	c	608	CLA	CHD-C1D-ND	-2.78	121.90	124.45
28	B	761	PQN	C9-C10-C1	-2.78	116.03	120.10
31	e	621	DD6	C21-C20-C15	-2.77	117.61	122.26
25	c	602	CLA	O1D-CGD-CBD	-2.77	118.81	124.48
25	e	602	CLA	CHD-C1D-ND	-2.77	121.91	124.45
25	f	603	CLA	CHD-C1D-ND	-2.77	121.91	124.45
25	d	610	CLA	CMB-C2B-C3B	2.77	129.86	124.68
25	l	602	CLA	CHD-C1D-ND	-2.76	121.92	124.45
31	d	623	DD6	C28-C27-C29	-2.76	111.37	116.84
25	b	602	CLA	CHD-C1D-ND	-2.76	121.92	124.45
27	A	756	LHG	O7-C7-C8	2.76	117.45	111.50
25	A	804	CLA	CHD-C1D-ND	-2.76	121.92	124.45
25	h	609	CLA	CHD-C1D-ND	-2.76	121.92	124.45
25	f	603	CLA	CMB-C2B-C1B	-2.76	124.22	128.46
25	B	770	CLA	CHD-C1D-ND	-2.76	121.92	124.45
31	A	4002	DD6	C37-C36-C35	2.76	119.46	114.36
28	A	785	PQN	C6-C5-C4	-2.76	116.06	120.10
25	B	756	CLA	CHD-C1D-ND	-2.76	121.92	124.45
25	f	614	CLA	CHD-C1D-ND	-2.76	121.92	124.45
25	A	770	CLA	CHD-C1D-ND	-2.76	121.92	124.45
29	A	796	BCR	C2-C1-C6	2.75	114.72	110.48
25	k	612	CLA	CHD-C1D-ND	-2.75	121.92	124.45
25	g	602	CLA	CHD-C1D-ND	-2.75	121.92	124.45
31	m	620	DD6	C37-C36-C31	-2.75	120.61	124.35
25	i	601	CLA	CHD-C1D-ND	-2.75	121.93	124.45
25	B	771	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
31	k	620	DD6	C37-C36-C31	-2.75	120.61	124.35
25	A	801	CLA	CHD-C1D-ND	-2.75	121.93	124.45
25	B	778	CLA	CHD-C1D-ND	-2.75	121.93	124.45
31	a	621	DD6	C21-C20-C15	-2.75	117.66	122.26
25	n	604	CLA	CHD-C1D-ND	-2.75	121.93	124.45
25	A	766	CLA	O2A-CGA-CBA	2.75	120.53	111.91
31	d	623	DD6	O1-C20-C21	-2.74	111.77	115.06
25	e	610	CLA	CHD-C1D-ND	-2.74	121.93	124.45
25	g	618	CLA	CHD-C1D-ND	-2.74	121.93	124.45
25	i	608	CLA	O2A-CGA-CBA	2.74	120.52	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	d	223	PQN	C10-C5-C4	2.74	123.65	120.68
25	a	610	CLA	CMB-C2B-C3B	2.74	129.81	124.68
25	A	760	CLA	O2A-CGA-CBA	2.74	120.52	111.91
25	e	613	CLA	C1-C2-C3	2.74	130.78	126.04
30	g	190	SQD	O48-C23-C24	2.74	120.51	111.91
31	f	620	DD6	O1-C20-C21	-2.74	111.77	115.06
25	j	614	CLA	CHD-C1D-ND	-2.74	121.94	124.45
25	k	603	CLA	CMB-C2B-C1B	-2.74	124.25	128.46
31	h	620	DD6	C37-C36-C31	-2.74	120.62	124.35
25	i	602	CLA	O1D-CGD-CBD	-2.74	118.88	124.48
25	B	771	CLA	C1-C2-C3	2.74	130.78	126.04
27	j	198	LHG	O7-C7-C8	2.74	117.40	111.50
25	A	798	CLA	CHD-C1D-ND	-2.74	121.94	124.45
31	F	4002	DD6	C3-C4-C5	2.73	129.07	123.47
31	l	621	DD6	C37-C36-C31	-2.73	120.64	124.35
25	b	612	CLA	C1-C2-C3	2.73	130.76	126.04
33	a	182	LMG	O1-C7-C8	-2.73	104.31	110.90
25	A	771	CLA	CMB-C2B-C1B	-2.73	124.27	128.46
25	k	614	CLA	CHD-C1D-ND	-2.73	121.95	124.45
31	A	4008	DD6	C9-C8-C6	2.73	134.08	126.42
31	p	621	DD6	C37-C36-C31	-2.73	120.64	124.35
25	b	604	CLA	CMB-C2B-C3B	2.73	129.78	124.68
25	d	614	CLA	CHD-C1D-ND	-2.73	121.95	124.45
25	e	609	CLA	C1-C2-C3	2.73	130.76	126.04
31	i	620	DD6	C32-C33-C34	-2.73	107.49	113.64
25	p	601	CLA	CHD-C1D-ND	-2.72	121.95	124.45
25	A	775	CLA	C1-C2-C3	2.72	130.75	126.04
25	j	613	CLA	CHD-C1D-ND	-2.72	121.95	124.45
28	B	769	PQN	C6-C5-C4	-2.72	116.11	120.10
25	B	736	CLA	CMB-C2B-C1B	-2.72	124.28	128.46
25	k	618	CLA	CHD-C1D-ND	-2.72	121.95	124.45
25	A	782	CLA	CHD-C1D-ND	-2.72	121.95	124.45
25	A	783	CLA	C1-C2-C3	2.72	130.74	126.04
25	j	615	CLA	CHD-C1D-ND	-2.71	121.96	124.45
25	A	764	CLA	O2A-CGA-CBA	2.71	120.42	111.91
25	n	602	CLA	O2A-CGA-CBA	2.71	120.42	111.91
25	B	738	CLA	O2A-CGA-CBA	2.71	120.42	111.91
25	A	772	CLA	CHD-C1D-ND	-2.71	121.96	124.45
25	o	602	CLA	CHD-C1D-ND	-2.71	121.97	124.45
25	o	603	CLA	CHD-C1D-ND	-2.71	121.97	124.45
25	B	745	CLA	O2A-CGA-CBA	2.70	120.39	111.91
27	a	181	LHG	O7-C7-C8	2.70	117.33	111.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	k	621	DD6	C21-C20-C15	-2.70	117.73	122.26
25	f	611	CLA	O1D-CGD-CBD	-2.70	118.95	124.48
25	a	603	CLA	O2A-CGA-CBA	2.70	120.39	111.91
25	k	602	CLA	O2A-CGA-CBA	2.70	120.38	111.91
25	A	757	CLA	CHD-C1D-ND	-2.70	121.97	124.45
25	B	758	CLA	C4-C3-C5	-2.70	110.73	115.27
25	e	603	CLA	CHD-C1D-ND	-2.70	121.97	124.45
25	h	614	CLA	CHD-C1D-ND	-2.70	121.97	124.45
25	B	745	CLA	CHD-C1D-ND	-2.70	121.98	124.45
25	d	613	CLA	CMB-C2B-C1B	-2.69	124.33	128.46
25	a	603	CLA	CHD-C1D-ND	-2.69	121.98	124.45
25	c	603	CLA	CHD-C1D-ND	-2.69	121.98	124.45
25	e	601	CLA	CHD-C1D-ND	-2.69	121.98	124.45
31	n	620	DD6	C37-C36-C31	-2.69	120.69	124.35
31	c	621	DD6	C21-C20-C15	-2.69	117.75	122.26
25	B	775	CLA	CHD-C1D-ND	-2.69	121.98	124.45
25	d	604	CLA	CHD-C1D-ND	-2.69	121.98	124.45
25	l	608	CLA	CHD-C1D-ND	-2.69	121.98	124.45
31	e	621	DD6	C32-C33-C34	-2.69	107.58	113.64
25	e	604	CLA	CHD-C1D-ND	-2.69	121.99	124.45
31	i	625	DD6	C21-C20-C15	-2.69	117.76	122.26
25	n	608	CLA	CMA-C3A-C2A	-2.69	109.83	116.10
25	B	744	CLA	CHD-C1D-ND	-2.68	121.99	124.45
25	l	601	CLA	CHD-C1D-ND	-2.68	121.99	124.45
35	d	607	CHL	CMB-C2B-C1B	-2.68	124.34	128.46
25	A	768	CLA	CHD-C1D-ND	-2.68	121.99	124.45
31	A	4008	DD6	C4-C5-C6	-2.68	123.48	127.31
35	c	607	CHL	O2A-CGA-CBA	2.68	120.33	111.91
25	e	614	CLA	CHD-C1D-ND	-2.68	121.99	124.45
31	F	4002	DD6	C-C1-C2	-2.68	119.17	122.92
25	i	614	CLA	CHD-C1D-ND	-2.68	121.99	124.45
25	B	784	CLA	O2A-CGA-CBA	2.68	120.31	111.91
25	m	603	CLA	O1D-CGD-CBD	-2.68	119.01	124.48
25	d	612	CLA	C2D-C1D-ND	2.68	112.08	110.10
25	d	613	CLA	CHD-C1D-ND	-2.67	122.00	124.45
25	h	602	CLA	C1-C2-C3	2.67	130.67	126.04
31	A	4008	DD6	C7-C6-C5	-2.67	119.18	122.92
31	J	4002	DD6	C37-C36-C31	-2.67	120.72	124.35
25	B	742	CLA	CHD-C1D-ND	-2.67	122.00	124.45
25	h	603	CLA	O1D-CGD-CBD	-2.67	119.02	124.48
25	n	609	CLA	CHD-C1D-ND	-2.67	122.00	124.45
25	l	603	CLA	CHD-C1D-ND	-2.67	122.00	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	a	621	DD6	O1-C20-C15	-2.67	56.75	58.96
28	B	769	PQN	C2M-C2-C1	-2.67	111.85	116.27
25	c	601	CLA	CHD-C1D-ND	-2.66	122.00	124.45
31	e	620	DD6	C8-C6-C5	2.66	123.03	118.94
25	B	747	CLA	CHD-C1D-ND	-2.66	122.01	124.45
25	B	776	CLA	CHD-C1D-ND	-2.66	122.01	124.45
25	B	757	CLA	C1-C2-C3	2.66	130.65	126.04
25	A	776	CLA	C4-C3-C5	-2.66	110.79	115.27
25	B	771	CLA	O1D-CGD-CBD	-2.66	119.04	124.48
25	A	760	CLA	C1-C2-C3	2.66	130.65	126.04
30	c	245	SQD	O48-C23-C24	2.66	120.26	111.91
25	i	612	CLA	CHD-C1D-ND	-2.66	122.01	124.45
25	i	603	CLA	CMB-C2B-C3B	2.66	129.65	124.68
25	l	602	CLA	O1D-CGD-CBD	-2.66	119.04	124.48
31	o	620	DD6	C37-C36-C31	-2.66	120.74	124.35
25	e	614	CLA	C2D-C1D-ND	2.66	112.06	110.10
25	B	771	CLA	CHD-C1D-ND	-2.66	122.01	124.45
25	d	614	CLA	C2D-C1D-ND	2.65	112.06	110.10
25	e	608	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	o	603	CLA	CMB-C2B-C1B	-2.65	124.39	128.46
25	A	805	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	A	807	CLA	CHD-C1D-ND	-2.65	122.02	124.45
29	A	792	BCR	C29-C30-C25	2.65	114.56	110.48
25	i	603	CLA	C2D-C1D-ND	2.65	112.06	110.10
25	B	783	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	n	606	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	d	612	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	c	619	CLA	CMA-C3A-C2A	-2.65	109.92	116.10
25	m	608	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	b	612	CLA	C2D-C1D-ND	2.65	112.05	110.10
25	o	608	CLA	CHD-C1D-ND	-2.65	122.02	124.45
25	n	603	CLA	CHD-C1D-ND	-2.64	122.02	124.45
33	i	195	LMG	O6-C1-O1	-2.64	103.72	109.97
25	A	800	CLA	O2A-CGA-CBA	2.64	120.20	111.91
25	B	756	CLA	O1D-CGD-CBD	-2.64	119.08	124.48
25	B	743	CLA	CHD-C1D-ND	-2.64	122.03	124.45
25	d	610	CLA	C1-C2-C3	2.64	130.61	126.04
25	h	608	CLA	CHD-C1D-ND	-2.64	122.03	124.45
25	B	755	CLA	CMB-C2B-C3B	2.64	129.62	124.68
31	d	621	DD6	C21-C20-C19	2.64	117.25	114.28
25	e	602	CLA	C1-C2-C3	2.64	130.61	126.04
25	l	612	CLA	CHD-C1D-ND	-2.64	122.03	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	n	613	CLA	CHD-C1D-ND	-2.64	122.03	124.45
35	d	607	CHL	CHD-C1D-ND	-2.64	122.03	124.45
25	e	603	CLA	C2D-C1D-ND	2.64	112.05	110.10
25	n	606	CLA	C2D-C1D-ND	2.63	112.05	110.10
28	B	761	PQN	C10-C5-C4	2.63	123.53	120.68
29	B	762	BCR	C29-C30-C25	2.63	114.53	110.48
31	d	621	DD6	C28-C27-C29	-2.63	111.63	116.84
25	g	610	CLA	C1-C2-C3	2.63	130.59	126.04
25	B	777	CLA	CHD-C1D-ND	-2.63	122.04	124.45
31	j	620	DD6	C37-C36-C31	-2.63	120.78	124.35
31	n	621	DD6	C3-C4-C5	2.63	128.86	123.47
31	j	620	DD6	C32-C33-C34	-2.63	107.71	113.64
31	a	620	DD6	C32-C33-C34	-2.63	107.71	113.64
28	B	761	PQN	C11-C3-C4	-2.63	115.69	118.50
25	A	768	CLA	C1-C2-C3	2.63	130.58	126.04
29	B	762	BCR	C11-C10-C9	-2.62	123.56	127.31
25	j	610	CLA	CHD-C1D-ND	-2.62	122.05	124.45
31	A	4008	DD6	C32-C33-C34	-2.62	107.73	113.64
25	f	603	CLA	C2D-C1D-ND	2.62	112.03	110.10
25	A	800	CLA	CHD-C1D-ND	-2.62	122.05	124.45
31	i	621	DD6	C21-C20-C15	-2.61	117.88	122.26
31	n	621	DD6	C8-C6-C5	2.61	122.95	118.94
25	B	753	CLA	CHD-C1D-ND	-2.61	122.05	124.45
28	B	769	PQN	C10-C5-C4	2.61	123.50	120.68
25	l	603	CLA	C2D-C1D-ND	2.61	112.03	110.10
25	n	605	CLA	CHD-C1D-ND	-2.61	122.06	124.45
25	A	759	CLA	CHD-C1D-ND	-2.61	122.06	124.45
25	e	602	CLA	O1D-CGD-CBD	-2.61	119.14	124.48
31	o	620	DD6	C32-C33-C34	-2.61	107.75	113.64
28	d	223	PQN	C9-C10-C1	-2.61	116.28	120.10
31	F	4002	DD6	C8-C6-C5	2.61	122.94	118.94
31	e	621	DD6	C28-C27-C29	-2.60	111.68	116.84
25	k	601	CLA	O1D-CGD-CBD	-2.60	119.16	124.48
28	B	769	PQN	C9-C10-C1	-2.60	116.29	120.10
25	g	602	CLA	O1D-CGD-CBD	-2.60	119.16	124.48
25	d	611	CLA	CHD-C1D-ND	-2.60	122.06	124.45
31	A	4008	DD6	C28-C27-C29	-2.60	111.69	116.84
31	k	620	DD6	C32-C33-C34	-2.60	107.77	113.64
29	B	766	BCR	C12-C13-C14	2.60	122.93	118.94
25	A	772	CLA	CMB-C2B-C3B	2.60	129.54	124.68
25	A	769	CLA	O1D-CGD-CBD	-2.60	119.17	124.48
25	n	603	CLA	C1-C2-C3	2.59	130.53	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	767	CLA	CHD-C1D-ND	-2.59	122.07	124.45
25	k	608	CLA	CHD-C1D-ND	-2.59	122.07	124.45
28	d	223	PQN	C2M-C2-C1	-2.59	111.98	116.27
31	m	621	DD6	O1-C20-C19	2.59	115.33	113.38
31	d	621	DD6	C32-C33-C34	-2.59	107.80	113.64
25	A	791	CLA	O1D-CGD-CBD	-2.59	119.19	124.48
25	B	741	CLA	CHD-C1D-ND	-2.59	122.08	124.45
25	j	612	CLA	CHD-C1D-ND	-2.59	122.08	124.45
25	i	608	CLA	O2A-CGA-O1A	-2.59	117.07	123.59
31	h	621	DD6	C32-C33-C34	-2.58	107.81	113.64
25	j	612	CLA	C2D-C1D-ND	2.58	112.01	110.10
25	B	754	CLA	CHD-C1D-ND	-2.58	122.08	124.45
25	p	612	CLA	CHD-C1D-ND	-2.58	122.08	124.45
35	d	605	CHL	CHD-C1D-ND	-2.58	122.08	124.45
29	A	787	BCR	C2-C1-C6	2.58	114.45	110.48
29	A	788	BCR	C19-C18-C17	2.58	122.90	118.94
25	e	610	CLA	C1-C2-C3	2.58	130.50	126.04
35	c	607	CHL	CHD-C1D-ND	-2.58	122.08	124.45
25	A	799	CLA	C4-C3-C5	-2.58	110.93	115.27
25	a	609	CLA	CMB-C2B-C3B	2.58	129.50	124.68
31	f	621	DD6	C13-C11-C10	2.58	122.89	118.94
25	m	609	CLA	C1-C2-C3	2.58	130.92	126.75
31	c	623	DD6	C21-C20-C15	-2.58	117.94	122.26
25	m	602	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
25	e	612	CLA	CHD-C1D-ND	-2.58	122.09	124.45
29	A	790	BCR	C2-C1-C6	2.58	114.45	110.48
25	A	783	CLA	C12-C11-C10	-2.57	101.41	113.24
25	A	794	CLA	C1-C2-C3	2.57	130.50	126.04
31	a	621	DD6	O1-C20-C19	2.57	115.31	113.38
28	A	785	PQN	C2M-C2-C1	-2.57	112.00	116.27
31	g	621	DD6	C32-C33-C34	-2.57	107.83	113.64
25	k	612	CLA	C2D-C1D-ND	2.57	112.00	110.10
25	g	608	CLA	CHD-C1D-ND	-2.57	122.09	124.45
25	B	736	CLA	O1D-CGD-CBD	-2.57	119.23	124.48
35	d	605	CHL	CMB-C2B-C1B	-2.57	124.52	128.46
28	A	785	PQN	C9-C10-C1	-2.57	116.34	120.10
25	f	614	CLA	O1D-CGD-CBD	-2.57	119.23	124.48
35	c	607	CHL	CMB-C2B-C1B	-2.57	124.52	128.46
25	m	602	CLA	O1D-CGD-CBD	-2.57	119.23	124.48
25	A	765	CLA	C2D-C1D-ND	2.56	111.99	110.10
31	b	620	DD6	C37-C36-C31	-2.56	120.87	124.35
35	e	606	CHL	CHD-C1D-ND	-2.56	122.10	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	c	624	DD6	C4-C3-C2	2.56	128.72	123.47
31	f	621	DD6	C28-C27-C29	-2.56	111.77	116.84
31	i	620	DD6	C21-C20-C19	2.56	117.16	114.28
31	c	621	DD6	C32-C33-C34	-2.56	107.87	113.64
25	g	612	CLA	C2D-C1D-ND	2.56	111.99	110.10
28	A	785	PQN	C10-C5-C4	2.56	123.44	120.68
25	e	607	CLA	CMD-C2D-C1D	2.56	129.22	124.71
31	g	621	DD6	C28-C27-C29	-2.55	111.78	116.84
25	A	774	CLA	C1-C2-C3	2.55	130.46	126.04
25	m	613	CLA	O1D-CGD-CBD	-2.55	119.26	124.48
35	d	608	CHL	C3C-C4C-NC	-2.55	107.71	110.57
25	b	602	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
31	k	621	DD6	C37-C36-C31	-2.55	120.88	124.35
27	A	786	LHG	O8-C23-C24	2.55	119.91	111.91
31	a	621	DD6	C32-C33-C34	-2.55	107.88	113.64
25	a	601	CLA	O1D-CGD-CBD	-2.55	119.27	124.48
25	A	776	CLA	CHD-C1D-ND	-2.55	122.11	124.45
25	B	755	CLA	CHD-C1D-ND	-2.55	122.11	124.45
31	A	4002	DD6	C32-C33-C34	-2.55	107.89	113.64
25	o	601	CLA	CMA-C3A-C2A	-2.54	110.16	116.10
25	B	755	CLA	C1-C2-C3	2.54	130.44	126.04
25	A	760	CLA	C12-C11-C10	-2.54	101.56	113.24
25	j	601	CLA	C1-C2-C3	2.54	130.86	126.75
25	A	772	CLA	C1-C2-C3	2.54	130.44	126.04
25	B	759	CLA	CHD-C1D-ND	-2.54	122.12	124.45
25	m	603	CLA	CHD-C1D-ND	-2.54	122.12	124.45
25	h	601	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
31	l	620	DD6	C21-C20-C19	2.54	117.14	114.28
29	B	766	BCR	C29-C30-C25	2.54	114.39	110.48
31	F	4002	DD6	C28-C27-C29	2.54	121.86	116.84
25	A	762	CLA	C1-C2-C3	2.54	130.85	126.75
25	A	757	CLA	CMB-C2B-C3B	2.54	129.42	124.68
27	d	237	LHG	O8-C23-C24	2.53	119.86	111.91
31	p	621	DD6	C32-C33-C34	-2.53	107.92	113.64
25	B	749	CLA	CHD-C1D-ND	-2.53	122.13	124.45
31	h	620	DD6	C32-C33-C34	-2.53	107.93	113.64
29	A	789	BCR	C20-C21-C22	-2.53	123.70	127.31
31	d	623	DD6	C7-C6-C5	-2.53	119.38	122.92
25	d	601	CLA	C1-C2-C3	2.53	130.84	126.75
25	B	776	CLA	C1-C2-C3	2.53	130.42	126.04
25	A	783	CLA	C2A-C1A-CHA	2.53	128.28	123.86
31	f	621	DD6	C32-C33-C34	-2.53	107.93	113.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	b	181	LHG	O8-C23-C24	2.53	119.84	111.91
31	m	620	DD6	C32-C33-C34	-2.53	107.94	113.64
31	l	621	DD6	C21-C20-C19	2.53	117.12	114.28
25	B	768	CLA	C1-C2-C3	2.53	130.41	126.04
25	B	755	CLA	C4-C3-C5	-2.53	111.02	115.27
25	A	772	CLA	O1D-CGD-CBD	-2.53	119.32	124.48
28	B	769	PQN	C11-C3-C4	-2.52	115.80	118.50
25	B	760	CLA	CHD-C1D-ND	-2.52	122.13	124.45
25	j	613	CLA	C2A-C1A-CHA	2.52	128.27	123.86
25	a	602	CLA	O1D-CGD-CBD	-2.52	119.32	124.48
28	A	785	PQN	C11-C3-C4	-2.52	115.80	118.50
25	j	603	CLA	C2D-C1D-ND	2.52	111.96	110.10
31	f	620	DD6	C33-C34-C35	2.52	113.76	110.30
27	h	190	LHG	O8-C23-C24	2.52	119.83	111.91
31	k	621	DD6	C32-C33-C34	-2.52	107.94	113.64
25	a	612	CLA	CHD-C1D-ND	-2.52	122.14	124.45
25	B	778	CLA	CMB-C2B-C3B	2.52	129.40	124.68
25	B	780	CLA	C1-C2-C3	2.52	130.41	126.04
25	A	761	CLA	C12-C11-C10	-2.52	101.65	113.24
25	i	614	CLA	O1D-CGD-CBD	-2.52	119.32	124.48
27	g	189	LHG	O8-C23-C24	2.52	119.82	111.91
25	f	610	CLA	C1-C2-C3	2.52	130.41	126.04
25	B	754	CLA	O1D-CGD-CBD	-2.52	119.33	124.48
31	e	621	DD6	O1-C20-C19	2.52	115.28	113.38
31	f	621	DD6	C9-C10-C11	-2.52	123.71	127.31
31	m	621	DD6	O1-C20-C15	-2.52	56.87	58.96
25	p	613	CLA	O1D-CGD-CBD	-2.52	119.33	124.48
25	B	738	CLA	C12-C11-C10	-2.52	101.66	113.24
25	j	613	CLA	O2A-CGA-O1A	-2.52	117.24	123.59
35	d	606	CHL	CHD-C1D-ND	-2.52	122.14	124.45
31	e	621	DD6	O1-C20-C15	-2.52	56.87	58.96
25	A	769	CLA	O2A-CGA-CBA	2.52	119.81	111.91
25	h	611	CLA	O2D-CGD-O1D	-2.52	118.92	123.84
25	B	777	CLA	C1-C2-C3	2.52	130.40	126.04
31	A	4002	DD6	C3-C2-C1	-2.51	123.72	127.31
25	e	611	CLA	O1D-CGD-CBD	-2.51	119.34	124.48
25	B	738	CLA	CHD-C1D-ND	-2.51	122.14	124.45
25	B	748	CLA	O2D-CGD-O1D	-2.51	118.93	123.84
25	l	612	CLA	C2D-C1D-ND	2.51	111.95	110.10
25	A	805	CLA	CMB-C2B-C3B	2.51	129.38	124.68
25	h	604	CLA	C4-C3-C5	-2.51	111.05	115.27
25	B	747	CLA	O1D-CGD-CBD	-2.51	119.35	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	A	4008	DD6	C8-C6-C5	2.51	122.79	118.94
25	d	603	CLA	C2D-C1D-ND	2.51	111.95	110.10
31	c	623	DD6	C4-C5-C6	-2.51	123.73	127.31
25	A	755	CLA	C4-C3-C5	-2.51	111.05	115.27
25	k	604	CLA	C1-C2-C3	2.51	130.38	126.04
25	c	616	CLA	CHD-C1D-ND	-2.51	122.15	124.45
31	f	621	DD6	C7-C6-C5	-2.51	119.41	122.92
31	n	620	DD6	C32-C33-C34	-2.51	107.98	113.64
25	B	752	CLA	CHD-C1D-ND	-2.50	122.15	124.45
25	c	611	CLA	CHD-C1D-ND	-2.50	122.15	124.45
25	m	612	CLA	CHD-C1D-ND	-2.50	122.15	124.45
25	k	613	CLA	C1-C2-C3	2.50	130.37	126.04
25	a	612	CLA	C2D-C1D-ND	2.50	111.95	110.10
31	c	623	DD6	C7-C6-C5	-2.50	119.42	122.92
25	B	750	CLA	CMB-C2B-C3B	2.50	129.35	124.68
31	g	620	DD6	O1-C20-C15	-2.50	56.89	58.96
25	A	770	CLA	O1D-CGD-CBD	-2.50	119.37	124.48
35	d	607	CHL	C2A-C3A-C4A	2.50	105.90	101.87
27	c	243	LHG	O8-C23-C24	2.49	119.74	111.91
31	c	620	DD6	O1-C20-C19	2.49	115.25	113.38
25	p	608	CLA	CHD-C1D-ND	-2.49	122.16	124.45
31	n	620	DD6	C28-C27-C29	-2.49	111.90	116.84
25	B	757	CLA	C3C-C4C-NC	-2.49	107.78	110.57
31	a	621	DD6	C28-C27-C29	-2.49	111.91	116.84
25	B	782	CLA	C1-C2-C3	2.49	130.78	126.75
25	A	773	CLA	O2A-CGA-CBA	2.49	119.72	111.91
25	o	614	CLA	C3C-C4C-NC	-2.49	107.78	110.57
25	A	770	CLA	C1-C2-C3	2.49	130.34	126.04
25	A	804	CLA	O1D-CGD-CBD	-2.49	119.39	124.48
25	B	737	CLA	CMB-C2B-C3B	2.49	129.33	124.68
25	b	608	CLA	CHD-C1D-ND	-2.49	122.17	124.45
25	g	608	CLA	O2A-CGA-CBA	2.49	122.02	114.03
25	A	780	CLA	C1-C2-C3	2.49	130.34	126.04
31	l	621	DD6	C32-C33-C34	-2.48	108.03	113.64
31	j	621	DD6	C32-C33-C34	-2.48	108.04	113.64
25	f	602	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
25	B	784	CLA	CHD-C1D-ND	-2.48	122.17	124.45
33	k	179	LMG	O1-C7-C8	-2.48	104.91	110.90
29	B	764	BCR	C2-C1-C6	2.48	114.30	110.48
25	A	780	CLA	C4-C3-C5	-2.48	111.10	115.27
25	h	603	CLA	CHD-C1D-ND	-2.48	122.17	124.45
25	i	615	CLA	CHD-C1D-ND	-2.48	122.17	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	801	CLA	C4-C3-C5	-2.48	111.10	115.27
31	h	620	DD6	C21-C20-C19	2.48	117.07	114.28
25	A	761	CLA	CHD-C1D-ND	-2.48	122.18	124.45
25	B	736	CLA	O2A-CGA-CBA	2.48	119.69	111.91
31	h	621	DD6	C37-C36-C31	-2.48	120.98	124.35
25	A	800	CLA	O2D-CGD-O1D	-2.48	118.99	123.84
25	a	619	CLA	C4-C3-C5	-2.48	111.10	115.27
25	A	760	CLA	CHD-C1D-ND	-2.48	122.18	124.45
25	h	615	CLA	CHD-C1D-ND	-2.47	122.18	124.45
25	a	611	CLA	O2A-CGA-CBA	2.47	121.98	114.03
25	j	603	CLA	CHD-C1D-ND	-2.47	122.18	124.45
31	a	620	DD6	C28-C27-C29	-2.47	111.94	116.84
25	A	772	CLA	C2D-C1D-ND	2.47	111.92	110.10
25	A	805	CLA	C3C-C4C-NC	-2.47	107.80	110.57
25	d	611	CLA	O1D-CGD-CBD	-2.47	119.43	124.48
25	j	604	CLA	CHD-C1D-ND	-2.47	122.19	124.45
27	j	198	LHG	O8-C23-C24	2.47	119.65	111.91
25	B	774	CLA	C1-C2-C3	2.47	130.31	126.04
25	l	610	CLA	C1-C2-C3	2.46	130.31	126.04
25	n	602	CLA	CHD-C1D-ND	-2.46	122.19	124.45
31	c	623	DD6	C28-C27-C29	-2.46	111.96	116.84
31	m	621	DD6	C21-C20-C19	2.46	117.05	114.28
25	A	759	CLA	O1D-CGD-CBD	-2.46	119.45	124.48
25	l	611	CLA	O1D-CGD-CBD	-2.46	119.45	124.48
31	b	621	DD6	C26-C25-C24	-2.46	115.54	123.22
31	d	620	DD6	C32-C33-C34	-2.46	108.09	113.64
25	b	602	CLA	C4-C3-C5	-2.46	111.13	115.27
25	A	770	CLA	CMB-C2B-C3B	2.46	129.28	124.68
25	B	756	CLA	C12-C11-C10	-2.46	101.94	113.24
27	b	181	LHG	O7-C7-C8	2.46	117.66	110.80
25	A	772	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
25	b	610	CLA	CMB-C2B-C3B	2.46	129.28	124.68
27	i	194	LHG	O8-C23-C24	2.46	119.62	111.91
31	l	620	DD6	C32-C33-C34	-2.46	108.09	113.64
31	A	4002	DD6	O1-C20-C21	-2.46	112.11	115.06
25	B	781	CLA	CHD-C1D-ND	-2.46	122.20	124.45
25	i	612	CLA	C2D-C1D-ND	2.45	111.91	110.10
25	o	612	CLA	O1D-CGD-CBD	-2.45	119.94	124.51
25	a	613	CLA	C1-C2-C3	2.45	130.29	126.04
25	B	772	CLA	CMB-C2B-C3B	2.45	129.27	124.68
31	b	620	DD6	C32-C33-C34	-2.45	108.11	113.64
35	d	606	CHL	C2A-C3A-C4A	2.45	105.83	101.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	i	621	DD6	C32-C33-C34	-2.45	108.11	113.64
25	e	612	CLA	C2D-C1D-ND	2.45	111.91	110.10
25	c	602	CLA	O2D-CGD-O1D	-2.45	119.05	123.84
25	f	612	CLA	CHD-C1D-ND	-2.45	122.20	124.45
31	d	623	DD6	C33-C34-C35	2.45	113.65	110.30
25	a	609	CLA	C1-C2-C3	2.45	130.71	126.75
25	m	612	CLA	C2D-C1D-ND	2.45	111.91	110.10
25	o	602	CLA	O2D-CGD-O1D	-2.45	119.06	123.84
25	c	603	CLA	C2D-C1D-ND	2.45	111.91	110.10
25	B	740	CLA	O1D-CGD-CBD	-2.45	119.48	124.48
31	c	620	DD6	C32-C33-C34	-2.44	108.12	113.64
25	B	736	CLA	O2A-CGA-O1A	-2.44	117.42	123.59
25	h	612	CLA	C1-C2-C3	2.44	130.27	126.04
25	p	602	CLA	O1D-CGD-CBD	-2.44	119.48	124.48
31	n	620	DD6	C33-C34-C35	2.44	113.65	110.30
25	d	603	CLA	CHD-C1D-ND	-2.44	122.21	124.45
25	B	748	CLA	O1D-CGD-CBD	-2.44	119.49	124.48
25	j	608	CLA	CHD-C1D-ND	-2.44	122.21	124.45
25	A	798	CLA	C1-C2-C3	2.44	130.26	126.04
25	A	771	CLA	C3C-C4C-NC	-2.44	107.83	110.57
25	B	737	CLA	C3C-C4C-NC	-2.44	107.83	110.57
25	A	801	CLA	O2D-CGD-O1D	-2.44	119.07	123.84
31	F	4002	DD6	C24-C1-C2	2.44	122.68	118.94
25	a	603	CLA	C2A-C1A-CHA	2.44	128.12	123.86
25	i	603	CLA	CHD-C1D-ND	-2.44	122.22	124.45
25	B	779	CLA	C1-C2-C3	2.44	130.26	126.04
25	i	603	CLA	O1D-CGD-CBD	-2.44	119.50	124.48
33	B	786	LMG	C1-C2-C3	-2.43	104.92	110.00
25	l	610	CLA	O1D-CGD-CBD	-2.43	119.50	124.48
35	d	605	CHL	OMC-CMC-C2C	-2.43	120.18	125.69
25	k	603	CLA	CHD-C1D-ND	-2.43	122.22	124.45
25	k	609	CLA	C1-C2-C3	2.43	130.69	126.75
25	B	778	CLA	C1-C2-C3	2.43	130.25	126.04
25	l	602	CLA	O2D-CGD-O1D	-2.43	119.08	123.84
31	d	621	DD6	O1-C20-C15	-2.43	56.95	58.96
25	A	766	CLA	CHD-C1D-ND	-2.43	122.22	124.45
25	i	608	CLA	CHD-C1D-ND	-2.43	122.22	124.45
35	d	605	CHL	O2A-CGA-O1A	-2.43	117.46	123.59
25	B	755	CLA	C12-C11-C10	-2.43	102.08	113.24
25	A	765	CLA	O2A-CGA-O1A	-2.43	117.47	123.59
25	m	608	CLA	CMB-C2B-C3B	2.43	129.22	124.68
25	g	609	CLA	C1-C2-C3	2.43	130.68	126.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	602	CLA	C12-C11-C10	-2.43	102.09	113.24
31	d	620	DD6	O1-C20-C15	-2.43	56.95	58.96
25	g	618	CLA	O2A-CGA-CBA	2.43	121.83	114.03
25	A	801	CLA	O1D-CGD-CBD	-2.43	119.52	124.48
25	g	601	CLA	CMB-C2B-C3B	2.42	129.22	124.68
29	A	789	BCR	C29-C30-C25	2.42	114.21	110.48
25	j	601	CLA	O1D-CGD-CBD	-2.42	119.52	124.48
25	A	791	CLA	CMB-C2B-C3B	2.42	129.21	124.68
31	f	620	DD6	C37-C36-C31	-2.42	121.06	124.35
25	B	773	CLA	C12-C11-C10	-2.42	102.11	113.24
31	m	621	DD6	C32-C33-C34	-2.42	108.17	113.64
31	o	621	DD6	C32-C33-C34	-2.42	108.17	113.64
25	a	602	CLA	O2D-CGD-O1D	-2.42	119.10	123.84
25	A	752	CLA	C4D-C3D-CAD	-2.42	105.25	108.10
29	B	765	BCR	C19-C18-C17	2.42	122.65	118.94
25	B	745	CLA	C2D-C1D-ND	2.42	111.89	110.10
29	B	763	BCR	C2-C1-C6	2.41	114.20	110.48
25	e	603	CLA	O2A-CGA-CBA	2.41	121.78	114.03
25	f	614	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
25	B	749	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
25	l	609	CLA	C12-C11-C10	-2.41	102.16	113.24
31	c	620	DD6	C21-C20-C19	2.41	116.99	114.28
25	B	779	CLA	O2A-CGA-O1A	-2.41	117.52	123.59
31	p	621	DD6	C28-C27-C29	-2.41	112.07	116.84
25	a	602	CLA	C3C-C4C-NC	-2.41	107.87	110.57
25	j	618	CLA	C1-C2-C3	2.41	130.65	126.75
31	b	620	DD6	C21-C20-C15	-2.40	118.23	122.26
25	B	746	CLA	C1-C2-C3	2.40	130.20	126.04
25	g	609	CLA	C3C-C4C-NC	-2.40	107.88	110.57
25	i	611	CLA	O1D-CGD-CBD	-2.40	119.57	124.48
25	e	611	CLA	O2D-CGD-O1D	-2.40	119.14	123.84
35	d	605	CHL	C2A-C3A-C4A	2.40	105.75	101.87
25	A	801	CLA	C12-C11-C10	-2.40	102.21	113.24
31	m	621	DD6	C33-C34-C35	2.40	113.59	110.30
25	j	618	CLA	CHD-C1D-ND	-2.40	122.25	124.45
25	h	604	CLA	C12-C11-C10	-2.40	102.21	113.24
25	B	784	CLA	C4-C3-C5	-2.40	111.23	115.27
25	e	602	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
31	p	621	DD6	C3-C2-C1	-2.40	123.89	127.31
25	l	610	CLA	C3C-C4C-NC	-2.40	107.88	110.57
25	m	603	CLA	C1-C2-C3	2.40	130.19	126.04
25	f	602	CLA	O1D-CGD-CBD	-2.40	119.58	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	B	766	BCR	C23-C22-C21	2.40	122.62	118.94
25	k	602	CLA	O2A-CGA-O1A	-2.40	117.54	123.59
25	j	611	CLA	CMB-C2B-C3B	2.40	129.16	124.68
25	A	805	CLA	CAA-C2A-C3A	-2.40	106.22	112.78
25	a	608	CLA	C1-C2-C3	2.40	130.19	126.04
25	k	604	CLA	C12-C11-C10	-2.40	102.23	113.24
25	i	601	CLA	C1-C2-C3	2.40	130.19	126.04
25	B	750	CLA	O1D-CGD-CBD	-2.40	119.58	124.48
25	j	601	CLA	CMB-C2B-C3B	2.40	129.16	124.68
25	k	608	CLA	C1-C2-C3	2.39	130.62	126.75
25	A	757	CLA	O2A-CGA-CBA	2.39	121.72	114.03
25	g	612	CLA	CHD-C1D-ND	-2.39	122.25	124.45
25	A	800	CLA	O1D-CGD-CBD	-2.39	119.59	124.48
25	c	602	CLA	C3C-C4C-NC	-2.39	107.89	110.57
31	n	621	DD6	C28-C27-C29	2.39	121.58	116.84
25	B	756	CLA	C1-C2-C3	2.39	130.18	126.04
25	i	602	CLA	C1-C2-C3	2.39	130.18	126.04
25	n	612	CLA	CHD-C1D-ND	-2.39	122.26	124.45
25	j	602	CLA	C1-C2-C3	2.39	130.18	126.04
25	d	602	CLA	C1-C2-C3	2.39	130.18	126.04
25	j	610	CLA	C1-C2-C3	2.39	130.17	126.04
25	b	603	CLA	CHD-C1D-ND	-2.39	122.26	124.45
25	A	781	CLA	O2A-CGA-O1A	-2.39	117.57	123.59
25	j	609	CLA	CMB-C2B-C3B	2.39	129.14	124.68
25	A	783	CLA	C4-C3-C5	-2.39	111.26	115.27
25	B	777	CLA	CMB-C2B-C3B	2.39	129.14	124.68
31	i	625	DD6	C32-C33-C34	-2.39	108.25	113.64
25	B	778	CLA	C12-C11-C10	-2.39	102.28	113.24
25	A	766	CLA	CMB-C2B-C3B	2.39	129.14	124.68
25	m	601	CLA	CHD-C1D-ND	-2.39	122.26	124.45
25	A	773	CLA	CMB-C2B-C3B	2.38	129.14	124.68
25	a	604	CLA	O1D-CGD-CBD	-2.38	119.61	124.48
31	p	621	DD6	O1-C20-C21	-2.38	112.20	115.06
25	f	612	CLA	C2D-C1D-ND	2.38	111.86	110.10
25	B	738	CLA	O2A-CGA-O1A	-2.38	117.58	123.59
33	a	182	LMG	C1-C2-C3	-2.38	105.04	110.00
25	n	612	CLA	C2D-C1D-ND	2.38	111.86	110.10
29	A	787	BCR	C37-C22-C23	2.38	121.83	118.08
31	g	621	DD6	O1-C20-C15	-2.38	56.99	58.96
25	A	802	CLA	C3C-C4C-NC	-2.38	107.90	110.57
25	g	601	CLA	O2D-CGD-O1D	-2.38	119.19	123.84
25	A	771	CLA	C1-C2-C3	2.38	130.16	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	A	788	BCR	C8-C9-C10	2.38	122.59	118.94
25	k	602	CLA	O1D-CGD-CBD	-2.38	119.62	124.48
25	c	614	CLA	O1D-CGD-CBD	-2.38	119.62	124.48
25	l	604	CLA	O1D-CGD-CBD	-2.38	119.62	124.48
33	i	195	LMG	C1-C2-C3	-2.38	105.05	110.00
25	b	608	CLA	CAA-C2A-C3A	-2.37	110.56	116.10
25	B	775	CLA	O1D-CGD-CBD	-2.37	119.62	124.48
25	A	763	CLA	C12-C11-C10	-2.37	102.33	113.24
25	A	769	CLA	C3C-C4C-NC	-2.37	107.91	110.57
25	i	610	CLA	O1D-CGD-CBD	-2.37	119.63	124.48
25	A	782	CLA	O1D-CGD-CBD	-2.37	119.63	124.48
31	A	4008	DD6	O1-C20-C21	-2.37	112.21	115.06
25	B	774	CLA	C12-C11-C10	-2.37	102.34	113.24
25	b	605	CLA	CMB-C2B-C3B	2.37	129.11	124.68
25	A	805	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
25	B	739	CLA	C3C-C4C-NC	-2.37	107.91	110.57
25	A	759	CLA	C2D-C1D-ND	2.37	111.85	110.10
25	o	601	CLA	CAA-C2A-C3A	-2.37	110.57	116.10
25	c	613	CLA	O1D-CGD-CBD	-2.37	119.64	124.48
31	h	621	DD6	C21-C20-C19	2.37	116.94	114.28
29	A	788	BCR	C15-C16-C17	2.37	128.32	123.47
25	m	603	CLA	O2A-CGA-O1A	-2.37	117.62	123.59
27	m	182	LHG	O8-C23-C24	2.36	119.33	111.91
25	A	755	CLA	C12-C11-C10	-2.36	102.37	113.24
25	i	610	CLA	C1-C2-C3	2.36	130.13	126.04
35	e	606	CHL	C2A-C3A-C4A	2.36	105.69	101.87
25	A	771	CLA	O1D-CGD-CBD	-2.36	119.65	124.48
25	j	614	CLA	O1D-CGD-CBD	-2.36	119.65	124.48
25	f	612	CLA	O1D-CGD-CBD	-2.36	119.65	124.48
25	A	807	CLA	CMB-C2B-C3B	2.36	129.09	124.68
25	i	601	CLA	O1D-CGD-CBD	-2.36	119.66	124.48
25	b	608	CLA	CMB-C2B-C3B	2.36	129.09	124.68
25	h	611	CLA	CMB-C2B-C3B	2.36	129.09	124.68
25	k	609	CLA	CMB-C2B-C3B	2.36	129.09	124.68
31	d	623	DD6	C32-C33-C34	-2.36	108.32	113.64
25	B	741	CLA	C12-C11-C10	-2.35	102.42	113.24
25	A	799	CLA	C3C-C4C-NC	-2.35	107.93	110.57
25	d	602	CLA	C3C-C4C-NC	-2.35	107.93	110.57
28	A	785	PQN	C17-C16-C15	-2.35	106.97	113.36
25	A	791	CLA	C12-C11-C10	-2.35	102.43	113.24
25	A	760	CLA	C3C-C4C-NC	-2.35	107.93	110.57
25	A	759	CLA	O2D-CGD-O1D	-2.35	119.24	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	615	CLA	O1D-CGD-CBD	-2.35	119.67	124.48
35	c	607	CHL	OMC-CMC-C2C	-2.35	120.37	125.69
27	A	756	LHG	O8-C23-C24	2.35	119.28	111.91
31	b	621	DD6	C32-C33-C34	-2.35	108.34	113.64
25	g	602	CLA	O2D-CGD-O1D	-2.35	119.25	123.84
31	j	620	DD6	C21-C20-C19	2.35	116.92	114.28
25	f	608	CLA	CHD-C1D-ND	-2.35	122.30	124.45
25	A	798	CLA	C4-C3-C5	-2.35	111.32	115.27
33	k	179	LMG	C1-C2-C3	-2.35	105.11	110.00
27	i	194	LHG	O8-C23-O10	-2.35	117.67	123.59
31	l	620	DD6	C28-C27-C29	-2.35	112.19	116.84
25	A	776	CLA	C1-C2-C3	2.35	130.10	126.04
31	i	625	DD6	C33-C34-C35	2.35	113.52	110.30
31	b	620	DD6	C28-C27-C29	-2.34	112.19	116.84
25	A	759	CLA	C12-C11-C10	-2.34	102.47	113.24
25	j	612	CLA	O1D-CGD-CBD	-2.34	119.69	124.48
25	B	755	CLA	O2A-CGA-O1A	-2.34	117.68	123.59
25	c	612	CLA	O1D-CGD-CBD	-2.34	119.69	124.48
25	B	751	CLA	C3C-C4C-NC	-2.34	107.94	110.57
25	k	602	CLA	O2D-CGD-O1D	-2.34	119.26	123.84
25	a	613	CLA	C3C-C4C-NC	-2.34	107.94	110.57
31	k	620	DD6	C21-C20-C19	2.34	116.91	114.28
25	a	608	CLA	CMB-C2B-C3B	2.34	129.06	124.68
25	b	610	CLA	O1D-CGD-CBD	-2.34	119.69	124.48
29	B	763	BCR	C29-C30-C25	2.34	114.08	110.48
25	B	758	CLA	CMB-C2B-C3B	2.34	129.06	124.68
25	d	601	CLA	C2D-C1D-ND	2.34	111.83	110.10
31	h	620	DD6	C28-C27-C29	-2.34	112.21	116.84
25	d	613	CLA	CBA-CAA-C2A	2.34	118.67	113.47
25	c	601	CLA	O1D-CGD-CBD	-2.34	119.70	124.48
25	i	614	CLA	O2D-CGD-O1D	-2.34	119.27	123.84
25	n	609	CLA	CMB-C2B-C3B	2.34	129.05	124.68
35	d	608	CHL	C4D-CHA-C1A	2.34	124.09	121.25
25	A	758	CLA	C1-C2-C3	2.34	130.08	126.04
25	A	803	CLA	C1-C2-C3	2.34	130.08	126.04
25	B	756	CLA	O2D-CGD-O1D	-2.34	119.27	123.84
31	c	623	DD6	C33-C34-C35	2.34	113.50	110.30
25	j	610	CLA	C3C-C4C-NC	-2.34	107.95	110.57
25	j	604	CLA	C1-C2-C3	2.33	130.08	126.04
25	k	610	CLA	C1-C2-C3	2.33	130.08	126.04
31	f	620	DD6	C32-C33-C34	-2.33	108.37	113.64
25	B	745	CLA	O2A-CGA-O1A	-2.33	117.70	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	761	PQN	C17-C16-C15	-2.33	107.02	113.36
31	c	624	DD6	C13-C11-C10	2.33	122.52	118.94
27	a	181	LHG	O8-C23-C24	2.33	119.23	111.91
25	e	609	CLA	CMB-C2B-C3B	2.33	129.04	124.68
25	m	604	CLA	O1D-CGD-CBD	-2.33	119.71	124.48
31	f	621	DD6	C33-C34-C35	2.33	113.49	110.30
25	m	603	CLA	O2D-CGD-O1D	-2.33	119.28	123.84
25	c	609	CLA	C4-C3-C5	-2.33	111.35	115.27
25	B	754	CLA	O2D-CGD-O1D	-2.33	119.28	123.84
25	p	601	CLA	C2D-C1D-ND	2.33	111.82	110.10
25	i	613	CLA	C3C-C4C-NC	-2.33	107.96	110.57
25	b	603	CLA	C2D-C1D-ND	2.33	111.82	110.10
25	m	603	CLA	C2D-C1D-ND	2.33	111.82	110.10
29	B	765	BCR	C23-C22-C21	2.33	122.51	118.94
31	d	621	DD6	C33-C34-C35	2.33	113.49	110.30
25	h	610	CLA	C3C-C4C-NC	-2.33	107.96	110.57
25	j	609	CLA	C1-C2-C3	2.32	130.51	126.75
25	A	806	CLA	O1D-CGD-CBD	-2.32	119.73	124.48
25	A	752	CLA	C1-C2-C3	2.32	130.06	126.04
25	A	772	CLA	C4-C3-C5	-2.32	111.36	115.27
25	a	611	CLA	O1D-CGD-CBD	-2.32	119.73	124.48
25	B	748	CLA	C3C-C4C-NC	-2.32	107.97	110.57
25	j	609	CLA	C3C-C4C-NC	-2.32	107.97	110.57
25	A	775	CLA	CMB-C2B-C3B	2.32	129.02	124.68
25	l	608	CLA	CMB-C2B-C3B	2.32	129.02	124.68
25	A	806	CLA	C3C-C4C-NC	-2.32	107.97	110.57
25	B	753	CLA	C12-C11-C10	-2.32	102.58	113.24
31	c	621	DD6	C21-C20-C19	2.32	116.89	114.28
31	c	620	DD6	C28-C27-C29	-2.32	112.25	116.84
25	p	613	CLA	CED-O2D-CGD	2.32	121.18	115.94
31	J	4002	DD6	C21-C20-C19	2.32	116.89	114.28
25	c	611	CLA	O1D-CGD-CBD	-2.32	119.75	124.48
25	B	736	CLA	C2D-C1D-ND	2.31	111.81	110.10
25	h	613	CLA	C3C-C4C-NC	-2.31	107.97	110.57
25	a	609	CLA	C3C-C4C-NC	-2.31	107.98	110.57
25	p	612	CLA	C3C-C4C-NC	-2.31	107.98	110.57
29	M	201	BCR	C24-C23-C22	-2.31	122.74	126.23
31	j	620	DD6	O1-C20-C15	-2.31	57.04	58.96
31	d	620	DD6	C28-C27-C29	-2.31	112.26	116.84
31	A	4008	DD6	C10-C9-C8	-2.31	116.00	123.22
31	c	623	DD6	C32-C33-C34	-2.31	108.42	113.64
25	B	784	CLA	O1D-CGD-CBD	-2.31	119.75	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	745	CLA	C12-C11-C10	-2.31	102.62	113.24
25	c	612	CLA	CHD-C1D-ND	-2.31	122.33	124.45
25	h	602	CLA	CMB-C2B-C3B	2.31	129.00	124.68
25	A	804	CLA	CMB-C2B-C3B	2.31	129.00	124.68
29	B	763	BCR	C37-C22-C23	2.31	121.72	118.08
25	c	613	CLA	C3C-C4C-NC	-2.31	107.98	110.57
25	i	608	CLA	C12-C11-C10	-2.31	102.63	113.24
25	h	613	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
31	o	621	DD6	O1-C20-C15	-2.31	57.05	58.96
31	c	621	DD6	C33-C34-C35	2.31	113.46	110.30
25	B	738	CLA	CMB-C2B-C3B	2.31	128.99	124.68
25	p	609	CLA	C1-C2-C3	2.31	130.48	126.75
25	k	603	CLA	C3C-C4C-NC	-2.31	107.98	110.57
31	e	623	DD6	C20-C19-C18	-2.31	108.19	112.75
25	A	763	CLA	C1-C2-C3	2.31	130.03	126.04
25	g	609	CLA	CMB-C2B-C3B	2.30	128.99	124.68
27	b	181	LHG	O8-C23-O10	-2.30	117.78	123.59
25	e	608	CLA	O1D-CGD-CBD	-2.30	119.77	124.48
25	n	606	CLA	CMB-C2B-C3B	2.30	128.99	124.68
25	A	803	CLA	O1D-CGD-CBD	-2.30	119.77	124.48
35	d	605	CHL	O1D-CGD-CBD	-2.30	119.77	124.48
29	M	201	BCR	C2-C1-C6	2.30	114.03	110.48
25	i	601	CLA	CMB-C2B-C3B	2.30	128.99	124.68
25	d	602	CLA	CMB-C2B-C3B	2.30	128.98	124.68
25	i	608	CLA	C1-C2-C3	2.30	130.02	126.04
31	J	4002	DD6	C32-C33-C34	-2.30	108.45	113.64
25	j	613	CLA	C3C-C4C-NC	-2.30	107.99	110.57
25	p	603	CLA	CHD-C1D-ND	-2.30	122.34	124.45
25	B	737	CLA	C2C-C1C-NC	-2.30	107.82	109.97
25	k	615	CLA	CMB-C2B-C3B	2.30	128.98	124.68
25	A	764	CLA	O1D-CGD-CBD	-2.30	119.78	124.48
25	A	780	CLA	CHD-C1D-ND	-2.30	122.34	124.45
25	h	615	CLA	CMB-C2B-C3B	2.30	128.97	124.68
25	B	739	CLA	C4-C3-C5	-2.30	111.41	115.27
25	B	746	CLA	C3C-C4C-NC	-2.30	108.00	110.57
25	a	602	CLA	CMB-C2B-C3B	2.30	128.97	124.68
29	B	767	BCR	C2-C1-C6	2.29	114.01	110.48
31	l	621	DD6	O1-C20-C15	-2.29	57.06	58.96
29	A	788	BCR	C23-C22-C21	2.29	122.46	118.94
29	B	766	BCR	C19-C18-C17	2.29	122.46	118.94
25	j	611	CLA	C1-C2-C3	2.29	130.46	126.75
25	m	609	CLA	CMB-C2B-C3B	2.29	128.97	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	j	618	CLA	O1D-CGD-CBD	-2.29	119.80	124.48
25	i	613	CLA	C4-C3-C5	-2.29	111.42	115.27
35	c	607	CHL	O2A-CGA-O1A	-2.29	117.81	123.59
25	b	609	CLA	CMB-C2B-C3B	2.29	128.96	124.68
25	A	807	CLA	O1D-CGD-CBD	-2.29	119.80	124.48
29	A	787	BCR	C29-C30-C25	2.29	114.00	110.48
25	B	750	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
35	d	608	CHL	C2A-C3A-C4A	2.28	105.56	101.87
25	J	101	CLA	O1D-CGD-CBD	-2.28	119.81	124.48
25	A	776	CLA	C12-C11-C10	-2.28	102.75	113.24
25	A	763	CLA	C3C-C4C-NC	-2.28	108.01	110.57
25	A	801	CLA	C3C-C4C-NC	-2.28	108.01	110.57
25	m	609	CLA	C3C-C4C-NC	-2.28	108.01	110.57
31	k	621	DD6	O1-C20-C21	-2.28	112.32	115.06
25	A	758	CLA	CMB-C2B-C3B	2.28	128.95	124.68
25	A	799	CLA	C12-C11-C10	-2.28	102.76	113.24
25	A	766	CLA	O1D-CGD-CBD	-2.28	119.82	124.48
25	f	601	CLA	CMB-C2B-C3B	2.28	128.94	124.68
25	A	800	CLA	C3C-C4C-NC	-2.28	108.01	110.57
31	k	620	DD6	C28-C27-C29	-2.28	112.33	116.84
25	o	612	CLA	CHD-C1D-ND	-2.28	122.36	124.45
25	B	779	CLA	C12-C11-C10	-2.28	102.77	113.24
25	B	779	CLA	C4-C3-C5	-2.28	111.44	115.27
25	b	602	CLA	C3C-C4C-NC	-2.28	108.02	110.57
29	A	796	BCR	C20-C21-C22	-2.28	124.06	127.31
31	c	620	DD6	O1-C20-C15	-2.28	57.07	58.96
31	f	620	DD6	C28-C27-C29	-2.28	112.33	116.84
25	p	603	CLA	C2D-C1D-ND	2.28	111.78	110.10
25	e	602	CLA	C3C-C4C-NC	-2.28	108.02	110.57
31	i	620	DD6	O1-C20-C15	-2.28	57.08	58.96
25	A	768	CLA	C3C-C4C-NC	-2.27	108.02	110.57
25	B	746	CLA	C12-C11-C10	-2.27	102.79	113.24
34	b	182	DGD	O6D-C1D-O3G	-2.27	104.59	109.97
25	B	750	CLA	C1-C2-C3	2.27	129.98	126.04
25	h	603	CLA	C3C-C4C-NC	-2.27	108.02	110.57
25	B	749	CLA	O1D-CGD-CBD	-2.27	119.83	124.48
25	a	602	CLA	O2A-CGA-O1A	-2.27	117.85	123.59
25	p	608	CLA	CMB-C2B-C3B	2.27	128.93	124.68
25	b	602	CLA	CMB-C2B-C3B	2.27	128.93	124.68
25	b	608	CLA	O1D-CGD-CBD	-2.27	119.83	124.48
25	h	603	CLA	O2D-CGD-O1D	-2.27	119.39	123.84
25	m	602	CLA	C12-C11-C10	-2.27	102.80	113.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	d	237	LHG	O8-C23-O10	-2.27	117.86	123.59
25	n	604	CLA	C2D-C1D-ND	2.27	111.78	110.10
31	k	621	DD6	O1-C20-C15	-2.27	57.08	58.96
25	d	601	CLA	O1D-CGD-CBD	-2.27	119.84	124.48
25	B	747	CLA	CMB-C2B-C3B	2.27	128.93	124.68
25	n	610	CLA	CMB-C2B-C3B	2.27	128.92	124.68
25	e	604	CLA	O1D-CGD-CBD	-2.27	119.84	124.48
31	j	621	DD6	C28-C27-C29	-2.27	112.34	116.84
25	k	613	CLA	O1D-CGD-CBD	-2.27	119.84	124.48
25	g	614	CLA	O1D-CGD-CBD	-2.27	119.84	124.48
27	j	198	LHG	O8-C23-O10	-2.27	117.87	123.59
25	A	779	CLA	CMB-C2B-C3B	2.27	128.92	124.68
25	A	794	CLA	CMB-C2B-C3B	2.27	128.92	124.68
25	i	610	CLA	C3C-C4C-NC	-2.27	108.03	110.57
25	j	614	CLA	CMB-C2B-C3B	2.27	128.92	124.68
25	B	774	CLA	O1D-CGD-CBD	-2.27	119.85	124.48
25	k	615	CLA	O1D-CGD-CBD	-2.27	119.85	124.48
25	n	603	CLA	C2D-C1D-ND	2.27	111.77	110.10
27	g	189	LHG	O8-C23-O10	-2.27	117.88	123.59
25	B	781	CLA	CMB-C2B-C3B	2.26	128.91	124.68
31	i	620	DD6	C28-C27-C29	-2.26	112.36	116.84
25	g	614	CLA	C2D-C1D-ND	2.26	111.77	110.10
35	d	606	CHL	C4D-CHA-C1A	2.26	124.00	121.25
25	e	602	CLA	CMB-C2B-C3B	2.26	128.91	124.68
25	c	601	CLA	C3C-C4C-NC	-2.26	108.03	110.57
25	i	604	CLA	C3C-C4C-NC	-2.26	108.03	110.57
25	A	801	CLA	C1-C2-C3	2.26	129.95	126.04
25	p	603	CLA	CMD-C2D-C1D	2.26	128.70	124.71
25	o	609	CLA	O2A-CGA-CBA	2.26	121.29	114.03
25	p	613	CLA	CMD-C2D-C1D	2.26	128.69	124.71
29	A	792	BCR	C23-C22-C21	2.26	122.41	118.94
25	o	612	CLA	C2D-C1D-ND	2.26	111.77	110.10
25	A	777	CLA	C1-C2-C3	2.26	129.95	126.04
25	A	808	CLA	O1D-CGD-CBD	-2.26	119.86	124.48
25	b	609	CLA	O1D-CGD-CBD	-2.26	119.86	124.48
25	B	751	CLA	CMB-C2B-C3B	2.26	128.90	124.68
31	o	621	DD6	C33-C34-C35	2.26	113.39	110.30
25	o	601	CLA	C2D-C1D-ND	2.26	111.77	110.10
25	B	773	CLA	C3C-C4C-NC	-2.26	108.04	110.57
25	h	601	CLA	C3C-C4C-NC	-2.26	108.04	110.57
25	A	781	CLA	C2A-C1A-CHA	2.25	127.80	123.86
25	d	602	CLA	C12-C11-C10	-2.25	102.41	113.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	774	CLA	C3C-C4C-NC	-2.25	108.04	110.57
31	i	625	DD6	C28-C27-C29	-2.25	112.38	116.84
25	B	752	CLA	O1D-CGD-CBD	-2.25	119.87	124.48
31	l	621	DD6	C7-C6-C5	-2.25	119.77	122.92
25	A	797	CLA	CMB-C2B-C3B	2.25	128.89	124.68
25	A	784	CLA	C1-C2-C3	2.25	129.94	126.04
25	i	612	CLA	O1D-CGD-CBD	-2.25	119.88	124.48
25	B	745	CLA	O2D-CGD-O1D	-2.25	119.43	123.84
31	j	620	DD6	O1-C20-C19	2.25	115.07	113.38
25	A	783	CLA	C3C-C4C-NC	-2.25	108.05	110.57
25	m	610	CLA	CMB-C2B-C3B	2.25	128.89	124.68
35	e	606	CHL	CMB-C2B-C3B	2.25	128.89	124.68
25	j	613	CLA	C12-C11-C10	-2.25	102.90	113.24
25	f	613	CLA	C1-C2-C3	2.25	129.94	126.04
25	a	601	CLA	C1-C2-C3	2.25	130.39	126.75
25	g	613	CLA	O1D-CGD-CBD	-2.25	119.88	124.48
25	A	773	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
25	f	615	CLA	CMB-C2B-C3B	2.25	128.88	124.68
29	A	790	BCR	C15-C16-C17	-2.25	118.87	123.47
27	g	189	LHG	O4-P-O5	2.25	123.35	112.24
25	p	610	CLA	O2A-CGA-CBA	2.25	121.25	114.03
25	a	610	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
25	B	753	CLA	C3C-C4C-NC	-2.25	108.05	110.57
25	a	610	CLA	C3C-C4C-NC	-2.25	108.05	110.57
25	c	602	CLA	C1-C2-C3	2.25	129.93	126.04
25	B	757	CLA	C12-C11-C10	-2.24	102.93	113.24
25	l	609	CLA	CMB-C2B-C3B	2.24	128.88	124.68
25	B	751	CLA	C1-C2-C3	2.24	130.38	126.75
25	A	770	CLA	C3C-C4C-NC	-2.24	108.06	110.57
25	a	604	CLA	O2A-CGA-CBA	2.24	121.24	114.03
25	B	757	CLA	C4-C3-C5	-2.24	111.50	115.27
25	A	762	CLA	O1D-CGD-CBD	-2.24	119.89	124.48
25	A	781	CLA	C3C-C4C-NC	-2.24	108.06	110.57
25	h	604	CLA	C1-C2-C3	2.24	129.92	126.04
25	f	602	CLA	C1-C2-C3	2.24	129.92	126.04
25	j	615	CLA	CMB-C2B-C3B	2.24	128.87	124.68
25	B	737	CLA	C1-C2-C3	2.24	129.92	126.04
25	k	610	CLA	C3C-C4C-NC	-2.24	108.06	110.57
25	A	760	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
27	A	756	LHG	O4-P-O5	2.24	123.31	112.24
25	k	609	CLA	C3C-C4C-NC	-2.24	108.06	110.57
25	o	608	CLA	CMB-C2B-C3B	2.24	128.87	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	760	CLA	O1D-CGD-CBD	-2.24	119.90	124.48
25	k	610	CLA	C4-C3-C5	-2.24	111.50	115.27
31	h	620	DD6	O1-C20-C15	-2.24	57.11	58.96
31	i	621	DD6	O1-C20-C15	-2.24	57.11	58.96
31	j	620	DD6	C28-C27-C29	-2.24	112.41	116.84
27	i	194	LHG	O4-P-O5	2.24	123.31	112.24
25	a	602	CLA	C4-C3-C5	-2.24	111.51	115.27
31	c	620	DD6	C4-C3-C2	-2.24	118.89	123.47
25	n	602	CLA	O1D-CGD-CBD	-2.24	119.91	124.48
25	h	611	CLA	C3C-C4C-NC	-2.24	108.06	110.57
25	i	602	CLA	C12-C11-C10	-2.24	102.97	113.24
25	A	782	CLA	O2D-CGD-O1D	-2.23	119.47	123.84
25	c	610	CLA	C3C-C4C-NC	-2.23	108.06	110.57
25	c	604	CLA	O1D-CGD-CBD	-2.23	119.91	124.48
25	l	602	CLA	C4-C3-C5	-2.23	111.51	115.27
31	b	621	DD6	C21-C20-C19	2.23	116.79	114.28
25	B	759	CLA	C3C-C4C-NC	-2.23	108.07	110.57
31	b	620	DD6	O1-C20-C15	-2.23	57.11	58.96
25	d	611	CLA	O2D-CGD-O1D	-2.23	119.47	123.84
25	B	768	CLA	O1D-CGD-CBD	-2.23	119.92	124.48
25	l	601	CLA	O1D-CGD-CBD	-2.23	119.92	124.48
31	o	620	DD6	C28-C27-C29	-2.23	112.42	116.84
25	d	611	CLA	O2A-CGA-CBA	2.23	121.20	114.03
25	B	773	CLA	CMB-C2B-C3B	2.23	128.85	124.68
31	o	620	DD6	O1-C20-C15	-2.23	57.11	58.96
25	A	775	CLA	O1D-CGD-CBD	-2.23	119.92	124.48
31	A	4002	DD6	C33-C34-C35	2.23	113.36	110.30
25	B	750	CLA	C2D-C1D-ND	2.23	111.75	110.10
25	B	739	CLA	C12-C11-C10	-2.23	103.00	113.24
25	f	610	CLA	O1D-CGD-CBD	-2.23	119.92	124.48
25	j	614	CLA	O2D-CGD-O1D	-2.23	119.48	123.84
27	m	182	LHG	O8-C23-O10	-2.23	117.97	123.59
29	A	796	BCR	C34-C9-C10	-2.23	119.80	122.92
25	A	804	CLA	O2D-CGD-O1D	-2.23	119.48	123.84
31	h	621	DD6	C28-C27-C29	-2.23	112.43	116.84
25	c	609	CLA	C12-C11-C10	-2.23	103.00	113.24
25	c	608	CLA	C3C-C4C-NC	-2.23	108.07	110.57
25	n	609	CLA	O2A-CGA-CBA	2.23	121.18	114.03
25	a	613	CLA	O1D-CGD-CBD	-2.23	119.93	124.48
25	j	610	CLA	O1D-CGD-CBD	-2.23	119.93	124.48
27	c	243	LHG	O4-P-O5	2.23	123.24	112.24
25	A	803	CLA	C3C-C4C-NC	-2.23	108.08	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	770	CLA	C12-C11-C10	-2.23	103.01	113.24
25	f	611	CLA	O2D-CGD-O1D	-2.23	119.49	123.84
25	i	615	CLA	O2A-CGA-O1A	-2.23	117.98	123.59
25	n	610	CLA	CAA-C2A-C3A	-2.22	110.91	116.10
25	f	609	CLA	CMD-C2D-C1D	2.22	128.63	124.71
25	A	777	CLA	C12-C11-C10	-2.22	103.02	113.24
25	A	775	CLA	C2A-C1A-CHA	2.22	127.75	123.86
31	e	621	DD6	C21-C20-C19	2.22	116.78	114.28
25	A	804	CLA	C1-C2-C3	2.22	130.35	126.75
25	k	602	CLA	CMB-C2B-C3B	2.22	128.84	124.68
25	o	610	CLA	CMB-C2B-C3B	2.22	128.84	124.68
27	A	756	LHG	O8-C23-O10	-2.22	117.98	123.59
25	o	604	CLA	O1D-CGD-CBD	-2.22	119.94	124.48
31	m	620	DD6	C28-C27-C29	-2.22	112.44	116.84
25	B	747	CLA	C1-C2-C3	2.22	130.35	126.75
25	A	752	CLA	C2A-C1A-CHA	2.22	127.74	123.86
31	i	620	DD6	O1-C20-C19	2.22	115.05	113.38
25	a	619	CLA	O1D-CGD-CBD	-2.22	119.94	124.48
25	i	613	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
25	B	781	CLA	C12-C11-C10	-2.22	103.04	113.24
25	i	608	CLA	O1D-CGD-CBD	-2.22	119.94	124.48
25	A	769	CLA	O2D-CGD-O1D	-2.22	119.50	123.84
25	l	609	CLA	C3C-C4C-NC	-2.22	108.08	110.57
25	m	602	CLA	C3C-C4C-NC	-2.22	108.08	110.57
25	p	613	CLA	CMB-C2B-C3B	2.22	128.83	124.68
25	i	603	CLA	O2D-CGD-O1D	-2.22	119.50	123.84
25	B	757	CLA	CMD-C2D-C1D	2.22	128.62	124.71
25	A	761	CLA	C2D-C1D-ND	2.22	111.74	110.10
25	B	758	CLA	C3C-C4C-NC	-2.22	108.09	110.57
31	b	621	DD6	C33-C34-C35	2.22	113.34	110.30
25	B	739	CLA	CMD-C2D-C1D	2.22	128.62	124.71
25	e	612	CLA	O1D-CGD-CBD	-2.21	119.95	124.48
25	j	610	CLA	C12-C11-C10	-2.21	103.06	113.24
25	b	605	CLA	O2A-CGA-CBA	2.21	121.14	114.03
25	j	604	CLA	O1D-CGD-CBD	-2.21	119.95	124.48
25	l	613	CLA	O2D-CGD-O1D	-2.21	119.51	123.84
25	h	602	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
25	g	618	CLA	CMB-C2B-C3B	2.21	128.82	124.68
27	h	190	LHG	O8-C23-O10	-2.21	118.01	123.59
25	A	757	CLA	O1D-CGD-CBD	-2.21	119.96	124.48
25	A	761	CLA	C1-C2-C3	2.21	129.87	126.04
25	A	774	CLA	C12-C11-C10	-2.21	103.09	113.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	b	604	CLA	C3C-C4C-NC	-2.21	108.09	110.57
25	h	609	CLA	CMB-C2B-C3B	2.21	128.81	124.68
25	g	611	CLA	O1D-CGD-CBD	-2.21	119.96	124.48
25	B	775	CLA	C3C-C4C-NC	-2.21	108.09	110.57
25	k	602	CLA	C3C-C4C-NC	-2.21	108.09	110.57
25	B	777	CLA	O1D-CGD-CBD	-2.21	119.97	124.48
25	f	601	CLA	O1D-CGD-CBD	-2.21	119.97	124.48
25	A	779	CLA	O1D-CGD-CBD	-2.21	119.97	124.48
31	c	623	DD6	O4-C34-C33	-2.21	105.42	109.80
25	o	602	CLA	C3C-C4C-NC	-2.21	108.10	110.57
35	d	607	CHL	OMC-CMC-C2C	-2.21	120.70	125.69
25	b	609	CLA	O2D-CGD-O1D	-2.21	119.52	123.84
25	h	609	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
25	e	608	CLA	C3C-C4C-NC	-2.21	108.10	110.57
25	B	771	CLA	O2A-CGA-O1A	-2.21	118.03	123.59
25	h	608	CLA	O1D-CGD-CBD	-2.21	119.97	124.48
27	j	198	LHG	O4-P-O5	2.21	123.14	112.24
25	c	606	CLA	O1D-CGD-CBD	-2.21	119.97	124.48
31	A	4008	DD6	C25-C24-C1	-2.20	120.22	126.42
25	c	619	CLA	CAA-C2A-C3A	-2.20	110.95	116.10
25	k	618	CLA	O1D-CGD-CBD	-2.20	119.97	124.48
25	B	746	CLA	CMD-C2D-C1D	2.20	128.60	124.71
25	o	614	CLA	C2C-C1C-NC	-2.20	107.91	109.97
25	B	737	CLA	C4-C3-C5	-2.20	111.56	115.27
25	f	602	CLA	C4-C3-C5	-2.20	111.56	115.27
25	c	611	CLA	O2D-CGD-O1D	-2.20	119.53	123.84
25	d	614	CLA	CMB-C2B-C3B	2.20	128.80	124.68
25	n	602	CLA	C3C-C4C-NC	-2.20	108.10	110.57
25	A	773	CLA	O1D-CGD-CBD	-2.20	119.98	124.48
25	f	613	CLA	CMB-C2B-C3B	2.20	128.80	124.68
27	b	181	LHG	O4-P-O5	2.20	123.13	112.24
31	n	620	DD6	O4-C34-C33	-2.20	105.43	109.80
25	e	601	CLA	O1D-CGD-CBD	-2.20	119.98	124.48
25	B	784	CLA	C3C-C4C-NC	-2.20	108.10	110.57
31	F	4002	DD6	C26-C25-C24	2.20	130.09	123.22
25	h	612	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
25	m	603	CLA	CMD-C2D-C1D	2.20	128.59	124.71
25	k	608	CLA	O1D-CGD-CBD	-2.20	119.98	124.48
25	B	740	CLA	O2D-CGD-O1D	-2.20	119.54	123.84
25	a	608	CLA	C3C-C4C-NC	-2.20	108.10	110.57
31	k	620	DD6	O1-C20-C15	-2.20	57.14	58.96
25	n	602	CLA	O2A-CGA-O1A	-2.20	118.04	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	770	CLA	CMB-C2B-C3B	2.20	128.79	124.68
25	e	614	CLA	CMB-C2B-C3B	2.20	128.79	124.68
25	a	608	CLA	O1D-CGD-CBD	-2.20	119.99	124.48
25	B	785	CLA	CMD-C2D-C1D	2.20	128.59	124.71
35	d	607	CHL	C2A-C1A-CHA	2.20	127.70	123.86
27	a	181	LHG	O4-P-O5	2.20	123.10	112.24
25	A	766	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
29	B	764	BCR	C29-C30-C25	2.20	113.86	110.48
25	b	610	CLA	C3C-C4C-NC	-2.20	108.11	110.57
25	B	780	CLA	CMB-C2B-C3B	2.20	128.79	124.68
25	c	613	CLA	C4-C3-C5	-2.20	111.58	115.27
25	B	738	CLA	C2D-C1D-ND	2.20	111.72	110.10
25	A	784	CLA	C2A-C1A-CHA	2.20	127.70	123.86
31	h	621	DD6	O1-C20-C15	-2.20	57.14	58.96
25	A	806	CLA	O2D-CGD-O1D	-2.20	119.55	123.84
25	k	610	CLA	C12-C11-C10	-2.19	102.69	113.29
25	c	609	CLA	C3C-C4C-NC	-2.19	108.11	110.57
25	n	613	CLA	C3C-C4C-NC	-2.19	108.11	110.57
25	n	604	CLA	CMB-C2B-C3B	2.19	128.78	124.68
25	B	758	CLA	C12-C11-C10	-2.19	103.17	113.24
27	h	189	LHG	O4-P-O5	2.19	123.07	112.24
31	n	621	DD6	C13-C11-C10	2.19	122.30	118.94
25	B	749	CLA	C3C-C4C-NC	-2.19	108.11	110.57
31	J	4002	DD6	O4-C34-C33	-2.19	105.45	109.80
31	e	620	DD6	C15-C14-C13	-2.19	121.36	125.99
25	B	748	CLA	CMB-C2B-C3B	2.19	128.77	124.68
25	h	613	CLA	CMB-C2B-C3B	2.19	128.77	124.68
25	p	613	CLA	O2D-CGD-O1D	-2.19	119.56	123.84
25	A	778	CLA	O1D-CGD-CBD	-2.19	120.00	124.48
25	A	761	CLA	CMB-C2B-C3B	2.19	128.77	124.68
25	A	774	CLA	CMB-C2B-C3B	2.19	128.77	124.68
25	A	783	CLA	CMB-C2B-C3B	2.19	128.77	124.68
31	p	621	DD6	C33-C34-C35	2.19	113.30	110.30
29	M	201	BCR	C29-C30-C25	2.19	113.85	110.48
27	h	190	LHG	O4-P-O5	2.19	123.06	112.24
31	c	621	DD6	O1-C20-C15	-2.19	57.15	58.96
25	f	615	CLA	C2D-C1D-ND	2.19	111.72	110.10
25	n	610	CLA	C2D-C1D-ND	2.19	111.72	110.10
25	B	758	CLA	C1-C2-C3	2.19	129.83	126.04
31	o	620	DD6	C33-C34-C35	2.19	113.30	110.30
25	B	747	CLA	O2D-CGD-O1D	-2.19	119.56	123.84
25	B	759	CLA	O1D-CGD-CBD	-2.19	120.01	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	d	605	CHL	O2D-CGD-O1D	-2.19	119.56	123.84
25	d	614	CLA	O1D-CGD-CBD	-2.19	120.01	124.48
25	h	601	CLA	O2A-CGA-O1A	-2.19	118.08	123.59
25	B	742	CLA	C3C-C4C-NC	-2.19	108.12	110.57
25	A	808	CLA	O2A-CGA-O1A	-2.19	118.08	123.59
35	d	607	CHL	C4D-CHA-C1A	2.18	123.91	121.25
25	A	752	CLA	C2D-C1D-ND	2.18	111.71	110.10
25	A	784	CLA	C2D-C1D-ND	2.18	111.71	110.10
25	f	602	CLA	C3C-C4C-NC	-2.18	108.12	110.57
25	j	602	CLA	CMB-C2B-C3B	2.18	128.76	124.68
25	e	613	CLA	O1D-CGD-CBD	-2.18	120.02	124.48
27	d	237	LHG	O4-P-O5	2.18	123.04	112.24
25	p	602	CLA	CMD-C2D-C1D	2.18	128.56	124.71
25	c	610	CLA	O2A-CGA-O1A	-2.18	118.08	123.59
25	e	607	CLA	C3C-C4C-NC	-2.18	108.12	110.57
25	A	769	CLA	CMB-C2B-C3B	2.18	128.76	124.68
34	b	182	DGD	O2D-C2D-C1D	-2.18	104.75	110.05
25	m	611	CLA	O1D-CGD-CBD	-2.18	120.02	124.48
25	g	610	CLA	CMB-C2B-C3B	2.18	128.76	124.68
31	l	620	DD6	C33-C34-C35	2.18	113.29	110.30
25	j	612	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
31	c	620	DD6	O4-C34-C33	-2.18	105.47	109.80
27	c	243	LHG	O8-C23-O10	-2.18	118.09	123.59
27	m	182	LHG	O4-P-O5	2.18	123.02	112.24
25	A	776	CLA	O1D-CGD-CBD	-2.18	120.02	124.48
25	A	772	CLA	C12-C11-C10	-2.18	103.22	113.24
25	A	753	CLA	C1-C2-C3	2.18	129.81	126.04
35	c	607	CHL	C2A-C3A-C4A	2.18	105.39	101.87
25	B	773	CLA	C2C-C1C-NC	-2.18	107.93	109.97
25	a	611	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
25	B	745	CLA	O1D-CGD-CBD	-2.18	120.03	124.48
25	B	750	CLA	C3C-C4C-NC	-2.18	108.13	110.57
25	B	780	CLA	C3C-C4C-NC	-2.18	108.13	110.57
34	B	787	DGD	O6D-C1D-O3G	-2.18	104.82	109.97
25	n	608	CLA	O1D-CGD-CBD	-2.18	120.03	124.48
25	g	611	CLA	C3C-C4C-NC	-2.17	108.13	110.57
25	B	775	CLA	O2D-CGD-O1D	-2.17	119.59	123.84
25	B	780	CLA	O1D-CGD-CBD	-2.17	120.03	124.48
25	j	603	CLA	O1D-CGD-CBD	-2.17	120.03	124.48
25	A	776	CLA	CMB-C2B-C3B	2.17	128.75	124.68
25	j	618	CLA	CMB-C2B-C3B	2.17	128.75	124.68
29	B	767	BCR	C29-C30-C25	2.17	113.83	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	g	610	CLA	C3C-C4C-NC	-2.17	108.13	110.57
25	n	608	CLA	C2D-C1D-ND	2.17	111.71	110.10
29	A	788	BCR	C24-C23-C22	-2.17	122.95	126.23
35	e	606	CHL	O2A-CGA-CBA	2.17	121.01	114.03
25	h	618	CLA	CMB-C2B-C3B	2.17	128.74	124.68
25	A	753	CLA	C3C-C4C-NC	-2.17	108.14	110.57
25	h	609	CLA	C3C-C4C-NC	-2.17	108.14	110.57
25	j	610	CLA	CMB-C2B-C3B	2.17	128.74	124.68
25	b	612	CLA	O1D-CGD-CBD	-2.17	120.04	124.48
25	A	791	CLA	O2D-CGD-O1D	-2.17	119.60	123.84
25	A	765	CLA	C4-C3-C5	-2.17	111.62	115.27
25	l	613	CLA	O1D-CGD-CBD	-2.17	120.05	124.48
25	A	799	CLA	CMD-C2D-C1D	2.17	128.53	124.71
25	d	610	CLA	C3C-C4C-NC	-2.17	108.14	110.57
25	A	793	CLA	C2D-C1D-ND	2.17	111.70	110.10
25	p	609	CLA	CMB-C2B-C3B	2.17	128.74	124.68
25	j	611	CLA	C3C-C4C-NC	-2.17	108.14	110.57
25	B	736	CLA	O2D-CGD-O1D	-2.17	119.60	123.84
25	B	750	CLA	C12-C11-C10	-2.17	103.28	113.24
25	a	604	CLA	O2D-CGD-O1D	-2.17	119.60	123.84
25	c	616	CLA	C2D-C1D-ND	2.17	111.70	110.10
31	c	624	DD6	C34-C35-C36	2.17	116.17	111.85
25	A	752	CLA	C3C-C4C-NC	-2.17	108.14	110.57
25	A	760	CLA	CMB-C2B-C3B	2.17	128.73	124.68
25	A	784	CLA	O2A-CGA-O1A	-2.17	118.13	123.59
25	B	752	CLA	C12-C11-C10	-2.17	103.29	113.24
31	l	621	DD6	C19-C18-C17	-2.16	106.59	110.77
25	B	784	CLA	C12-C11-C10	-2.16	103.29	113.24
25	b	610	CLA	CBA-CAA-C2A	2.16	118.28	113.47
25	p	609	CLA	O1D-CGD-CBD	-2.16	120.06	124.48
25	A	762	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
35	d	608	CHL	O2A-CGA-CBA	2.16	120.98	114.03
31	k	621	DD6	C28-C27-C29	-2.16	112.56	116.84
25	e	604	CLA	C1-C2-C3	2.16	130.25	126.75
25	A	759	CLA	C1-C2-C3	2.16	129.78	126.04
25	a	603	CLA	C3C-C4C-NC	-2.16	108.15	110.57
25	k	604	CLA	C4-C3-C5	-2.16	111.64	115.27
35	e	606	CHL	C2A-C1A-CHA	2.16	127.64	123.86
25	B	760	CLA	C3C-C4C-NC	-2.16	108.15	110.57
25	A	808	CLA	C2D-C1D-ND	2.16	111.70	110.10
25	A	799	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
25	B	782	CLA	O1D-CGD-CBD	-2.16	120.06	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	604	CLA	O1D-CGD-CBD	-2.16	120.06	124.48
25	A	807	CLA	O2D-CGD-O1D	-2.16	119.62	123.84
25	A	781	CLA	O1D-CGD-CBD	-2.16	120.07	124.48
30	j	200	SQD	O5-C5-C4	2.16	113.61	109.69
28	B	769	PQN	C17-C16-C15	-2.16	107.50	113.36
25	A	779	CLA	O2D-CGD-O1D	-2.16	119.62	123.84
25	i	613	CLA	C2A-C1A-CHA	2.16	127.63	123.86
25	A	767	CLA	CMB-C2B-C3B	2.16	128.71	124.68
25	j	604	CLA	C12-C11-C10	-2.16	102.88	113.29
25	h	613	CLA	C1-C2-C3	2.16	129.77	126.04
25	i	609	CLA	CMB-C2B-C3B	2.16	128.71	124.68
31	m	620	DD6	O1-C20-C15	-2.16	57.17	58.96
25	f	608	CLA	CMD-C2D-C1D	2.16	128.51	124.71
25	A	801	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
29	A	790	BCR	C29-C30-C25	2.15	113.80	110.48
30	c	245	SQD	O5-C5-C4	2.15	113.61	109.69
25	B	756	CLA	C3C-C4C-NC	-2.15	108.16	110.57
31	l	621	DD6	C28-C27-C29	-2.15	112.58	116.84
25	A	784	CLA	C12-C11-C10	-2.15	103.35	113.24
25	c	606	CLA	C3C-C4C-NC	-2.15	108.16	110.57
25	a	612	CLA	O1D-CGD-CBD	-2.15	120.08	124.48
25	A	779	CLA	C3C-C4C-NC	-2.15	108.16	110.57
31	j	621	DD6	O1-C20-C15	-2.15	57.18	58.96
25	B	741	CLA	C2D-C1D-ND	2.15	111.69	110.10
25	B	768	CLA	C2D-C1D-ND	2.15	111.69	110.10
25	B	752	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
25	A	771	CLA	C12-C11-C10	-2.15	102.91	113.29
25	B	737	CLA	C4D-CHA-C1A	2.15	123.87	121.25
25	b	613	CLA	O1D-CGD-CBD	-2.15	120.08	124.48
25	j	601	CLA	C3C-C4C-NC	-2.15	108.16	110.57
25	h	618	CLA	O1D-CGD-CBD	-2.15	120.09	124.48
25	B	747	CLA	O2A-CGA-CBA	2.15	121.56	110.26
25	a	604	CLA	C3C-C4C-NC	-2.15	108.16	110.57
27	A	786	LHG	O8-C23-O10	-2.15	118.17	123.59
25	B	747	CLA	C2D-C1D-ND	2.15	111.69	110.10
25	n	602	CLA	C1-C2-C3	2.15	129.76	126.04
35	d	608	CHL	OMC-CMC-C2C	-2.15	120.83	125.69
25	A	753	CLA	C2D-C1D-ND	2.15	111.69	110.10
25	B	782	CLA	C2D-C1D-ND	2.15	111.69	110.10
25	l	614	CLA	O1D-CGD-CBD	-2.15	120.09	124.48
25	A	800	CLA	O2A-CGA-O1A	-2.15	118.18	123.59
25	k	608	CLA	CMB-C2B-C3B	2.15	128.69	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	i	602	CLA	C3C-C4C-NC	-2.15	108.17	110.57
31	l	620	DD6	O4-C34-C33	-2.15	105.54	109.80
27	A	786	LHG	O4-P-O5	2.14	122.84	112.24
25	J	101	CLA	O2A-CGA-O1A	-2.14	118.18	123.59
25	A	772	CLA	O2A-CGA-CBA	2.14	121.53	110.26
31	d	623	DD6	O4-C34-C33	-2.14	105.54	109.80
25	g	613	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	d	609	CLA	CMB-C2B-C3B	2.14	128.69	124.68
31	i	625	DD6	O1-C20-C15	-2.14	57.18	58.96
25	B	750	CLA	O2D-CGD-O1D	-2.14	119.65	123.84
25	k	614	CLA	O1D-CGD-CBD	-2.14	120.10	124.48
25	B	740	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	k	604	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	B	776	CLA	O1D-CGD-CBD	-2.14	120.10	124.48
25	B	779	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	f	614	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	o	609	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	B	775	CLA	CMB-C2B-C3B	2.14	128.69	124.68
31	A	4002	DD6	O4-C34-C33	-2.14	105.55	109.80
31	a	621	DD6	C21-C20-C19	2.14	116.69	114.28
25	l	614	CLA	C2D-C1D-ND	2.14	111.68	110.10
25	e	609	CLA	C4-C3-C5	-2.14	111.67	115.27
25	o	604	CLA	C3C-C4C-NC	-2.14	108.17	110.57
35	d	606	CHL	O2A-CGA-CBA	2.14	120.91	114.03
25	j	603	CLA	CMD-C2D-C1D	2.14	128.49	124.71
25	A	781	CLA	CMB-C2B-C3B	2.14	128.68	124.68
25	A	782	CLA	C2D-C1D-ND	2.14	111.68	110.10
29	A	789	BCR	C28-C27-C26	-2.14	110.26	114.08
31	l	621	DD6	C33-C34-C35	2.14	113.23	110.30
31	c	621	DD6	O4-C34-C33	-2.14	105.55	109.80
25	d	610	CLA	O1D-CGD-CBD	-2.14	120.11	124.48
25	j	615	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	A	778	CLA	O2D-CGD-O1D	-2.14	119.66	123.84
25	i	611	CLA	CMB-C2B-C3B	2.14	128.68	124.68
31	o	621	DD6	O4-C34-C33	-2.14	105.56	109.80
27	a	181	LHG	O8-C23-O10	-2.14	118.20	123.59
25	d	613	CLA	C3C-C4C-NC	-2.14	108.17	110.57
25	e	613	CLA	C3C-C4C-NC	-2.14	108.17	110.57
31	o	621	DD6	C28-C27-C29	-2.14	112.61	116.84
25	A	793	CLA	CMB-C2B-C3B	2.14	128.68	124.68
25	B	739	CLA	CMB-C2B-C3B	2.14	128.68	124.68
25	B	756	CLA	CMB-C2B-C3B	2.14	128.68	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	755	CLA	C3C-C4C-NC	-2.14	108.18	110.57
25	A	758	CLA	C12-C11-C10	-2.14	103.43	113.24
25	c	619	CLA	CMB-C2B-C3B	2.13	128.67	124.68
25	f	608	CLA	C3C-C4C-NC	-2.13	108.18	110.57
31	m	621	DD6	C7-C6-C5	-2.13	119.93	122.92
31	i	625	DD6	O1-C20-C21	-2.13	112.50	115.06
25	b	605	CLA	C3C-C4C-NC	-2.13	108.18	110.57
25	m	613	CLA	O2D-CGD-O1D	-2.13	119.67	123.84
25	n	609	CLA	C2D-C1D-ND	2.13	111.68	110.10
25	o	609	CLA	CMB-C2B-C3B	2.13	128.67	124.68
25	g	603	CLA	CHD-C1D-ND	-2.13	122.49	124.45
25	A	761	CLA	CED-O2D-CGD	2.13	120.76	115.94
25	B	781	CLA	C2C-C1C-NC	-2.13	107.97	109.97
31	d	620	DD6	C21-C20-C19	2.13	116.68	114.28
31	e	620	DD6	C33-C32-C31	2.13	113.94	109.62
25	l	613	CLA	C3C-C4C-NC	-2.13	108.18	110.57
25	J	101	CLA	O2D-CGD-O1D	-2.13	119.67	123.84
25	B	779	CLA	C4D-CHA-C1A	2.13	123.84	121.25
25	B	750	CLA	CMD-C2D-C1D	2.13	128.47	124.71
25	p	604	CLA	CMB-C2B-C3B	2.13	128.66	124.68
25	d	612	CLA	CMB-C2B-C3B	2.13	128.66	124.68
25	h	602	CLA	C3C-C4C-NC	-2.13	108.18	110.57
25	B	739	CLA	C2D-C1D-ND	2.13	111.67	110.10
25	c	610	CLA	C1-C2-C3	2.13	129.72	126.04
25	a	603	CLA	O1D-CGD-CBD	-2.13	120.13	124.48
25	A	779	CLA	CMD-C2D-C1D	2.13	128.46	124.71
25	b	609	CLA	O2A-CGA-CBA	2.13	120.87	114.03
25	A	762	CLA	CMB-C2B-C3B	2.13	128.66	124.68
25	i	611	CLA	O2D-CGD-O1D	-2.13	119.68	123.84
25	n	605	CLA	O1D-CGD-CBD	-2.13	120.13	124.48
25	i	612	CLA	CMD-C2D-C1D	2.13	128.46	124.71
25	B	748	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
25	c	608	CLA	CMB-C2B-C3B	2.13	128.66	124.68
25	e	608	CLA	CMB-C2B-C3B	2.13	128.66	124.68
25	l	603	CLA	CMD-C2D-C1D	2.13	128.46	124.71
25	p	604	CLA	C3C-C4C-NC	-2.13	108.19	110.57
31	i	621	DD6	O1-C20-C21	-2.13	112.51	115.06
25	A	769	CLA	C12-C11-C10	-2.13	103.47	113.24
25	B	785	CLA	O2A-CGA-CBA	2.13	120.86	114.03
29	B	765	BCR	C8-C9-C10	2.13	122.20	118.94
25	o	613	CLA	C2D-C1D-ND	2.13	111.67	110.10
31	b	621	DD6	O1-C20-C15	-2.12	57.20	58.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	h	620	DD6	O1-C20-C19	2.12	114.98	113.38
25	c	616	CLA	O1D-CGD-CBD	-2.12	120.14	124.48
31	a	621	DD6	C19-C18-C17	-2.12	106.67	110.77
25	c	608	CLA	CMD-C2D-C1D	2.12	128.46	124.71
25	B	743	CLA	CMB-C2B-C3B	2.12	128.65	124.68
25	j	601	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
25	B	773	CLA	O1D-CGD-CBD	-2.12	120.14	124.48
25	c	619	CLA	O1D-CGD-CBD	-2.12	120.14	124.48
25	c	604	CLA	C2D-C1D-ND	2.12	111.67	110.10
25	c	602	CLA	CMD-C2D-C1D	2.12	128.45	124.71
25	B	752	CLA	O2D-CGD-O1D	-2.12	119.69	123.84
25	A	794	CLA	C12-C11-C10	-2.12	103.05	113.29
25	k	612	CLA	O1D-CGD-CBD	-2.12	120.14	124.48
25	A	775	CLA	C4-C3-C5	-2.12	111.70	115.27
25	n	604	CLA	CMD-C2D-C1D	2.12	128.45	124.71
25	B	754	CLA	CMB-C2B-C3B	2.12	128.64	124.68
25	i	608	CLA	CMB-C2B-C3B	2.12	128.64	124.68
25	A	784	CLA	C3C-C4C-NC	-2.12	108.19	110.57
25	B	770	CLA	O1D-CGD-CBD	-2.12	120.15	124.48
25	c	613	CLA	CMB-C2B-C3B	2.12	128.64	124.68
31	f	621	DD6	C8-C6-C5	2.12	122.19	118.94
25	o	609	CLA	O1D-CGD-CBD	-2.12	120.15	124.48
25	c	613	CLA	O2D-CGD-O1D	-2.12	119.70	123.84
25	c	614	CLA	O2D-CGD-O1D	-2.12	119.70	123.84
25	A	761	CLA	C3C-C4C-NC	-2.12	108.20	110.57
25	i	614	CLA	C3C-C4C-NC	-2.12	108.20	110.57
25	h	613	CLA	C2A-C1A-CHA	2.12	127.56	123.86
25	A	774	CLA	CHD-C1D-ND	-2.12	122.51	124.45
25	k	612	CLA	CMB-C2B-C3B	2.12	128.64	124.68
25	d	603	CLA	CMB-C2B-C3B	2.11	128.63	124.68
25	e	605	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	m	611	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	k	604	CLA	CMB-C2B-C3B	2.11	128.63	124.68
25	k	611	CLA	CMB-C2B-C3B	2.11	128.63	124.68
25	A	753	CLA	C12-C11-C10	-2.11	103.53	113.24
25	e	607	CLA	CMB-C2B-C3B	2.11	128.63	124.68
25	j	614	CLA	C2D-C1D-ND	2.11	111.66	110.10
25	o	613	CLA	CBA-CAA-C2A	2.11	118.17	113.47
25	j	609	CLA	O1D-CGD-CBD	-2.11	120.16	124.48
25	a	619	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	g	604	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	B	770	CLA	C3C-C4C-NC	-2.11	108.20	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	777	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	o	612	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	e	610	CLA	CMB-C2B-C3B	2.11	128.63	124.68
25	k	613	CLA	C3C-C4C-NC	-2.11	108.20	110.57
25	g	615	CLA	CMD-C2D-C1D	2.11	128.43	124.71
25	A	763	CLA	O1D-CGD-CBD	-2.11	120.17	124.48
25	A	752	CLA	C12-C11-C10	-2.11	103.55	113.24
31	m	621	DD6	O4-C34-C33	-2.11	105.61	109.80
25	a	613	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
25	o	602	CLA	CMB-C2B-C3B	2.11	128.62	124.68
25	A	768	CLA	CMB-C2B-C3B	2.11	128.62	124.68
25	b	608	CLA	C3C-C4C-NC	-2.11	108.21	110.57
25	d	601	CLA	C3C-C4C-NC	-2.11	108.21	110.57
29	B	764	BCR	C37-C22-C23	2.11	121.40	118.08
25	e	610	CLA	C3C-C4C-NC	-2.11	108.21	110.57
25	m	610	CLA	C3C-C4C-NC	-2.11	108.21	110.57
25	b	604	CLA	O2A-CGA-CBA	2.11	120.80	114.03
25	A	753	CLA	C2C-C1C-NC	-2.11	108.00	109.97
25	B	779	CLA	O1D-CGD-CBD	-2.11	120.17	124.48
31	J	4002	DD6	O1-C20-C15	-2.11	57.22	58.96
25	p	604	CLA	O1D-CGD-CBD	-2.11	120.18	124.48
25	f	603	CLA	CMD-C2D-C1D	2.11	128.42	124.71
31	m	621	DD6	C28-C27-C29	-2.10	112.67	116.84
25	j	602	CLA	O1D-CGD-CBD	-2.10	120.18	124.48
25	c	601	CLA	O2D-CGD-O1D	-2.10	119.72	123.84
31	d	623	DD6	C4-C5-C6	-2.10	124.31	127.31
29	B	767	BCR	C24-C25-C26	2.10	126.56	121.46
25	a	608	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
25	k	601	CLA	C3C-C4C-NC	-2.10	108.21	110.57
25	B	779	CLA	C2D-C1D-ND	2.10	111.65	110.10
25	e	602	CLA	C12-C11-C10	-2.10	103.58	113.24
25	i	615	CLA	CMB-C2B-C3B	2.10	128.61	124.68
25	h	611	CLA	O1D-CGD-CBD	-2.10	120.18	124.48
28	B	761	PQN	C10-C1-C2	-2.10	115.95	118.95
25	A	799	CLA	CMB-C2B-C3B	2.10	128.61	124.68
25	a	610	CLA	O1D-CGD-CBD	-2.10	120.19	124.48
29	B	767	BCR	C37-C22-C23	2.10	121.39	118.08
25	e	610	CLA	CMD-C2D-C1D	2.10	128.41	124.71
25	f	610	CLA	CMB-C2B-C3B	2.10	128.61	124.68
25	A	784	CLA	CMB-C2B-C3B	2.10	128.61	124.68
31	a	620	DD6	O1-C20-C21	-2.10	112.54	115.06
31	i	625	DD6	O4-C34-C33	-2.10	105.63	109.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	k	603	CLA	CMD-C2D-C1D	2.10	128.41	124.71
31	c	623	DD6	O1-C20-C15	-2.10	57.22	58.96
30	A	795	SQD	C44-O6-C1	2.10	117.84	113.74
25	a	619	CLA	C12-C11-C10	-2.10	103.59	113.24
25	B	744	CLA	C3C-C4C-NC	-2.10	108.22	110.57
25	d	609	CLA	C3C-C4C-NC	-2.10	108.22	110.57
25	h	614	CLA	C3C-C4C-NC	-2.10	108.22	110.57
25	g	618	CLA	C3C-C4C-NC	-2.10	108.22	110.57
25	j	610	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
25	A	791	CLA	C2D-C1D-ND	2.10	111.65	110.10
25	A	797	CLA	C3C-C4C-NC	-2.10	108.22	110.57
31	l	620	DD6	O1-C20-C15	-2.10	57.22	58.96
25	A	764	CLA	C1-C2-C3	2.10	129.67	126.04
25	A	766	CLA	C2D-C1D-ND	2.10	111.65	110.10
31	p	621	DD6	O4-C34-C33	-2.10	105.64	109.80
25	c	601	CLA	CMB-C2B-C3B	2.10	128.60	124.68
25	g	611	CLA	CMB-C2B-C3B	2.10	128.60	124.68
25	B	779	CLA	CMD-C2D-C1D	2.10	128.41	124.71
25	h	603	CLA	CMD-C2D-C1D	2.10	128.41	124.71
31	A	4008	DD6	O1-C20-C15	-2.10	57.22	58.96
25	h	618	CLA	C3C-C4C-NC	-2.10	108.22	110.57
25	j	604	CLA	C3C-C4C-NC	-2.10	108.22	110.57
29	A	796	BCR	C11-C10-C9	-2.10	124.32	127.31
25	A	761	CLA	O1D-CGD-CBD	-2.09	120.20	124.48
31	m	620	DD6	O1-C20-C21	-2.09	112.55	115.06
25	A	807	CLA	C3C-C4C-NC	-2.09	108.22	110.57
25	B	776	CLA	C3C-C4C-NC	-2.09	108.22	110.57
25	A	808	CLA	C4-C3-C5	-2.09	111.75	115.27
25	a	603	CLA	C2D-C1D-ND	2.09	111.65	110.10
25	o	610	CLA	O1D-CGD-CBD	-2.09	120.20	124.48
25	B	777	CLA	CED-O2D-CGD	2.09	120.67	115.94
25	B	757	CLA	CMB-C2B-C3B	2.09	128.59	124.68
25	A	806	CLA	O2A-CGA-CBA	2.09	120.75	114.03
25	B	772	CLA	C1-C2-C3	2.09	130.13	126.75
25	l	611	CLA	C3C-C4C-NC	-2.09	108.23	110.57
25	h	614	CLA	O1D-CGD-CBD	-2.09	120.21	124.48
25	o	603	CLA	C2D-C1D-ND	2.09	111.64	110.10
25	e	612	CLA	CMB-C2B-C3B	2.09	128.59	124.68
25	o	614	CLA	CMB-C2B-C3B	2.09	128.59	124.68
25	c	603	CLA	CMD-C2D-C1D	2.09	128.40	124.71
25	b	609	CLA	C3C-C4C-NC	-2.09	108.23	110.57
29	A	787	BCR	C16-C17-C18	-2.09	124.33	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	m	612	CLA	CMD-C2D-C1D	2.09	128.39	124.71
25	c	612	CLA	C2D-C1D-ND	2.09	111.64	110.10
25	B	744	CLA	O1D-CGD-CBD	-2.09	120.21	124.48
25	c	603	CLA	O1D-CGD-CBD	-2.09	120.21	124.48
25	j	611	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
31	l	621	DD6	O4-C34-C33	-2.09	105.65	109.80
25	B	781	CLA	CMD-C2D-C1D	2.09	128.39	124.71
28	d	223	PQN	C10-C1-C2	-2.09	115.98	118.95
25	A	773	CLA	C3C-C4C-NC	-2.09	108.23	110.57
25	B	785	CLA	O1D-CGD-CBD	-2.09	120.22	124.48
25	A	769	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
25	A	807	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
25	j	604	CLA	O2D-CGD-O1D	-2.09	119.76	123.84
25	A	765	CLA	CMB-C2B-C3B	2.08	128.58	124.68
25	B	755	CLA	O1D-CGD-CBD	-2.08	120.22	124.48
25	B	753	CLA	C2A-C1A-CHA	2.08	127.50	123.86
25	b	613	CLA	C3C-C4C-NC	-2.08	108.23	110.57
25	d	601	CLA	CMB-C2B-C3B	2.08	128.57	124.68
31	c	620	DD6	C33-C34-C35	2.08	113.16	110.30
31	f	620	DD6	O1-C20-C15	-2.08	57.24	58.96
25	k	618	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	B	768	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
25	i	615	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	l	604	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	a	610	CLA	C1-C2-C3	2.08	129.64	126.04
25	B	759	CLA	CMB-C2B-C3B	2.08	128.57	124.68
25	A	771	CLA	CED-O2D-CGD	2.08	120.64	115.94
25	c	606	CLA	CMB-C2B-C3B	2.08	128.57	124.68
25	o	603	CLA	CMD-C2D-C1D	2.08	128.38	124.71
25	e	611	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	B	740	CLA	CMB-C2B-C3B	2.08	128.57	124.68
25	f	604	CLA	C2D-C1D-ND	2.08	111.64	110.10
25	B	741	CLA	O1D-CGD-CBD	-2.08	120.23	124.48
25	B	755	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	k	608	CLA	CMD-C2D-C1D	2.08	128.38	124.71
31	b	621	DD6	O4-C34-C33	-2.08	105.67	109.80
25	j	613	CLA	CAA-C2A-C3A	-2.08	107.09	112.78
25	A	781	CLA	C1-C2-C3	2.08	129.64	126.04
25	J	101	CLA	CMD-C2D-C1D	2.08	128.38	124.71
25	m	604	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	A	778	CLA	CMB-C2B-C3B	2.08	128.56	124.68
31	d	621	DD6	O4-C34-C33	-2.08	105.67	109.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	609	CLA	O1D-CGD-CBD	-2.08	120.23	124.48
25	k	614	CLA	CMB-C2B-C3B	2.08	128.56	124.68
25	g	615	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	p	608	CLA	C3C-C4C-NC	-2.08	108.24	110.57
25	e	601	CLA	C3C-C4C-NC	-2.08	108.31	110.57
25	e	601	CLA	CMB-C2B-C3B	2.08	128.56	124.68
25	A	794	CLA	C3C-C4C-NC	-2.07	108.24	110.57
25	A	774	CLA	C2D-C1D-ND	2.07	111.63	110.10
35	d	605	CHL	C4D-CHA-C1A	2.07	123.77	121.25
25	i	601	CLA	O2D-CGD-O1D	-2.07	119.78	123.84
25	f	613	CLA	CMD-C2D-C1D	2.07	128.37	124.71
25	A	767	CLA	C2D-C1D-ND	2.07	111.63	110.10
25	p	608	CLA	CMD-C2D-C1D	2.07	128.37	124.71
25	B	743	CLA	C3C-C4C-NC	-2.07	108.25	110.57
31	a	621	DD6	O4-C34-C33	-2.07	105.68	109.80
25	B	736	CLA	C1-C2-C3	2.07	129.63	126.04
25	A	762	CLA	O2D-CGD-O1D	-2.07	119.79	123.84
29	B	762	BCR	C34-C9-C10	-2.07	120.02	122.92
25	B	747	CLA	C3C-C4C-NC	-2.07	108.25	110.57
25	c	611	CLA	CMB-C2B-C3B	2.07	128.56	124.68
25	l	608	CLA	CMD-C2D-C1D	2.07	128.37	124.71
25	e	601	CLA	CMD-C2D-C1D	2.07	128.36	124.71
29	B	762	BCR	C37-C22-C23	2.07	121.34	118.08
29	M	201	BCR	C30-C25-C24	-2.07	109.92	115.78
25	c	609	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	g	608	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	n	608	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	h	602	CLA	O1D-CGD-CBD	-2.07	120.25	124.48
25	p	610	CLA	C3C-C4C-NC	-2.07	108.25	110.57
25	A	791	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
25	B	785	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	j	608	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	i	615	CLA	O1D-CGD-CBD	-2.07	120.25	124.48
25	B	758	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
28	B	769	PQN	C10-C1-C2	-2.07	116.00	118.95
25	f	613	CLA	C5-C3-C2	2.07	125.30	121.12
25	l	603	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	A	757	CLA	C3C-C4C-NC	-2.07	108.25	110.57
25	g	602	CLA	C3C-C4C-NC	-2.07	108.25	110.57
25	o	601	CLA	C3C-C4C-NC	-2.07	108.25	110.57
25	b	612	CLA	CMB-C2B-C3B	2.07	128.55	124.68
25	k	611	CLA	C3C-C4C-NC	-2.07	108.25	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	n	607	CLA	C3C-C4C-NC	-2.07	108.25	110.57
25	b	605	CLA	C2D-C1D-ND	2.07	111.63	110.10
31	j	621	DD6	O4-C34-C33	-2.07	105.70	109.80
25	B	749	CLA	CMB-C2B-C3B	2.07	128.54	124.68
25	e	611	CLA	CMB-C2B-C3B	2.07	128.54	124.68
31	j	620	DD6	C19-C18-C17	-2.07	106.78	110.77
25	p	608	CLA	O1D-CGD-CBD	-2.07	120.26	124.48
25	k	613	CLA	O2D-CGD-O1D	-2.07	119.80	123.84
31	d	621	DD6	C23-C16-C17	-2.06	105.39	108.98
25	l	601	CLA	CMB-C2B-C3B	2.06	128.54	124.68
31	c	620	DD6	C19-C18-C17	-2.06	106.79	110.77
25	B	739	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
31	b	620	DD6	O4-C34-C33	-2.06	105.70	109.80
25	A	759	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
25	a	601	CLA	O2D-CGD-O1D	-2.06	119.81	123.84
25	a	611	CLA	C2D-C1D-ND	2.06	111.62	110.10
25	i	608	CLA	C3C-C4C-NC	-2.06	108.26	110.57
25	l	602	CLA	C3C-C4C-NC	-2.06	108.26	110.57
25	n	605	CLA	C3C-C4C-NC	-2.06	108.26	110.57
35	d	607	CHL	O1D-CGD-CBD	-2.06	120.26	124.48
29	M	201	BCR	C24-C25-C26	2.06	126.46	121.46
25	p	612	CLA	CMB-C2B-C3B	2.06	128.54	124.68
25	A	764	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
25	c	614	CLA	C3C-C4C-NC	-2.06	108.26	110.57
25	e	612	CLA	CMD-C2D-C1D	2.06	128.35	124.71
25	i	601	CLA	C2D-C1D-ND	2.06	111.62	110.10
31	F	4002	DD6	C40-C32-C31	-2.06	107.19	110.47
31	A	4002	DD6	O1-C20-C15	-2.06	57.25	58.96
25	B	774	CLA	CMB-C2B-C3B	2.06	128.53	124.68
25	k	618	CLA	CMB-C2B-C3B	2.06	128.53	124.68
25	g	613	CLA	C4-C3-C5	-2.06	111.81	115.27
35	d	606	CHL	O2D-CGD-O1D	-2.06	119.81	123.84
35	c	607	CHL	O2D-CGD-O1D	-2.06	119.81	123.84
25	c	608	CLA	C1-C2-C3	2.06	130.08	126.75
25	h	601	CLA	C1-C2-C3	2.06	130.08	126.75
31	n	623	DD6	C25-C26-C27	-2.06	120.60	126.58
25	o	610	CLA	C3C-C4C-NC	-2.06	108.26	110.57
25	b	601	CLA	CMB-C2B-C3B	2.06	128.53	124.68
25	h	602	CLA	C5-C3-C2	2.06	125.28	121.12
25	A	765	CLA	O1D-CGD-CBD	-2.06	120.27	124.48
25	b	601	CLA	C2D-C1D-ND	2.06	111.62	110.10
25	a	603	CLA	C1-C2-C3	2.06	129.60	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	f	612	CLA	CMB-C2B-C3B	2.06	128.53	124.68
25	A	770	CLA	O2D-CGD-O1D	-2.06	119.81	123.84
25	A	798	CLA	C3C-C4C-NC	-2.06	108.26	110.57
25	n	608	CLA	C3C-C4C-NC	-2.06	108.26	110.57
25	a	608	CLA	C5-C3-C2	2.06	125.28	121.12
31	k	621	DD6	C21-C20-C19	2.06	116.59	114.28
25	g	613	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
25	o	601	CLA	CMD-C2D-C1D	2.06	128.34	124.71
25	B	743	CLA	C2D-C1D-ND	2.06	111.62	110.10
25	g	614	CLA	O2D-CGD-O1D	-2.06	119.82	123.84
25	b	611	CLA	C3C-C4C-NC	-2.06	108.27	110.57
25	h	602	CLA	C4D-CHA-C1A	2.06	123.75	121.25
25	A	773	CLA	C1-C2-C3	2.05	129.60	126.04
25	B	772	CLA	C2D-C1D-ND	2.05	111.62	110.10
25	o	604	CLA	CMD-C2D-C1D	2.05	128.33	124.71
25	d	611	CLA	CMB-C2B-C3B	2.05	128.52	124.68
25	p	610	CLA	CMB-C2B-C3B	2.05	128.52	124.68
25	A	806	CLA	O2A-CGA-O1A	-2.05	118.18	123.30
25	l	603	CLA	O1D-CGD-CBD	-2.05	120.28	124.48
25	b	611	CLA	CMB-C2B-C3B	2.05	128.52	124.68
25	c	616	CLA	C3C-C4C-NC	-2.05	108.27	110.57
25	f	610	CLA	C3C-C4C-NC	-2.05	108.27	110.57
31	d	623	DD6	O1-C20-C15	-2.05	57.26	58.96
25	A	770	CLA	CED-O2D-CGD	2.05	120.58	115.94
25	A	767	CLA	C3C-C4C-NC	-2.05	108.27	110.57
25	j	602	CLA	C3C-C4C-NC	-2.05	108.27	110.57
25	j	618	CLA	C3C-C4C-NC	-2.05	108.27	110.57
25	k	601	CLA	O2D-CGD-O1D	-2.05	119.83	123.84
25	j	614	CLA	C3C-C4C-NC	-2.05	108.27	110.57
35	d	608	CHL	C2A-C1A-CHA	2.05	127.44	123.86
25	A	764	CLA	C2D-C1D-ND	2.05	111.61	110.10
31	h	620	DD6	C19-C18-C17	-2.05	106.81	110.77
31	o	620	DD6	O4-C34-C33	-2.05	105.73	109.80
25	e	609	CLA	C3C-C4C-NC	-2.05	108.27	110.57
25	l	617	CLA	C3C-C4C-NC	-2.05	108.27	110.57
31	i	621	DD6	C21-C20-C19	2.05	116.59	114.28
35	c	607	CHL	O1D-CGD-CBD	-2.05	120.29	124.48
25	e	604	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
29	A	796	BCR	C24-C23-C22	-2.05	123.14	126.23
29	A	789	BCR	C2-C1-C6	2.05	113.64	110.48
25	n	610	CLA	O1D-CGD-CBD	-2.05	120.29	124.48
25	k	602	CLA	C1-C2-C3	2.05	129.59	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	h	615	CLA	C3C-C4C-NC	-2.05	108.27	110.57
25	o	601	CLA	CED-O2D-CGD	2.05	120.57	115.94
25	b	601	CLA	CMD-C2D-C1D	2.05	128.32	124.71
31	i	621	DD6	O4-C34-C33	-2.05	105.73	109.80
25	h	604	CLA	CMB-C2B-C3B	2.05	128.51	124.68
25	l	617	CLA	O1D-CGD-CBD	-2.05	120.30	124.48
25	n	608	CLA	CAA-C2A-C3A	-2.05	111.32	116.10
25	g	608	CLA	C3C-C4C-NC	-2.05	108.28	110.57
25	a	602	CLA	CMD-C2D-C1D	2.05	128.32	124.71
33	B	786	LMG	O1-C7-C8	-2.05	105.96	110.90
25	h	615	CLA	O1D-CGD-CBD	-2.05	120.30	124.48
25	A	764	CLA	C3C-C4C-NC	-2.04	108.28	110.57
25	m	613	CLA	CMB-C2B-C3B	2.04	128.50	124.68
25	l	614	CLA	CMD-C2D-C1D	2.04	128.32	124.71
25	m	601	CLA	O1D-CGD-CBD	-2.04	120.30	124.48
25	B	774	CLA	CED-O2D-CGD	2.04	120.56	115.94
25	a	611	CLA	CMB-C2B-C3B	2.04	128.50	124.68
25	B	775	CLA	C1-C2-C3	2.04	130.06	126.75
25	n	610	CLA	C3C-C4C-NC	-2.04	108.28	110.57
34	b	182	DGD	O5D-C6D-C5D	-2.04	105.27	109.05
25	i	602	CLA	C2C-C1C-NC	-2.04	108.06	109.97
25	l	611	CLA	CMB-C2B-C3B	2.04	128.50	124.68
25	j	602	CLA	CMD-C2D-C1D	2.04	128.31	124.71
25	m	609	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
25	B	752	CLA	C3C-C4C-NC	-2.04	108.28	110.57
25	e	604	CLA	C3C-C4C-NC	-2.04	108.28	110.57
25	B	744	CLA	CMB-C2B-C3B	2.04	128.50	124.68
25	m	611	CLA	CMB-C2B-C3B	2.04	128.50	124.68
25	k	615	CLA	C3C-C4C-NC	-2.04	108.28	110.57
25	A	777	CLA	C2D-C1D-ND	2.04	111.61	110.10
25	B	773	CLA	C4-C3-C5	-2.04	111.84	115.27
25	h	613	CLA	C4-C3-C5	-2.04	111.84	115.27
29	A	790	BCR	C37-C22-C23	2.04	121.29	118.08
25	p	612	CLA	O1D-CGD-CBD	-2.04	120.31	124.48
29	B	763	BCR	C21-C20-C19	-2.04	116.85	123.22
25	c	604	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
25	o	608	CLA	C3C-C4C-NC	-2.04	108.28	110.57
25	d	602	CLA	CMD-C2D-C1D	2.04	128.31	124.71
25	l	611	CLA	O2D-CGD-O1D	-2.04	119.85	123.84
25	d	604	CLA	O1D-CGD-CBD	-2.04	120.31	124.48
34	B	787	DGD	O5D-C6D-C5D	-2.04	105.27	109.05
31	d	620	DD6	O4-C34-C33	-2.04	105.75	109.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	k	621	DD6	O4-C34-C33	-2.04	105.75	109.80
25	f	610	CLA	O2D-CGD-O1D	-2.04	119.85	123.84
25	c	612	CLA	CMB-C2B-C3B	2.04	128.49	124.68
25	c	612	CLA	O2D-CGD-O1D	-2.04	119.85	123.84
25	d	602	CLA	O1D-CGD-CBD	-2.04	120.31	124.48
25	p	602	CLA	CED-O2D-CGD	2.04	120.55	115.94
25	B	741	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
25	o	610	CLA	C2D-C1D-ND	2.04	111.61	110.10
25	A	804	CLA	C3C-C4C-NC	-2.04	108.29	110.57
25	p	601	CLA	C3C-C4C-NC	-2.04	108.29	110.57
35	d	606	CHL	OMC-CMC-C2C	-2.04	121.08	125.69
25	b	609	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
25	m	612	CLA	O1D-CGD-CBD	-2.04	120.32	124.48
31	g	620	DD6	C7-C6-C5	-2.04	120.07	122.92
31	h	620	DD6	O4-C34-C33	-2.04	105.76	109.80
25	b	603	CLA	CMD-C2D-C1D	2.04	128.30	124.71
25	c	604	CLA	C3C-C4C-NC	-2.04	108.29	110.57
25	B	781	CLA	C2D-C1D-ND	2.04	111.60	110.10
25	d	601	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
25	B	751	CLA	CMD-C2D-C1D	2.04	128.30	124.71
25	n	605	CLA	O2D-CGD-O1D	-2.04	119.86	123.84
31	f	621	DD6	O4-C34-C33	-2.03	105.76	109.80
25	f	613	CLA	C3C-C4C-NC	-2.03	108.29	110.57
25	A	752	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
25	a	601	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	k	618	CLA	C1-C2-C3	2.03	130.04	126.75
31	n	620	DD6	C7-C6-C5	-2.03	120.07	122.92
25	B	784	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	c	614	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	A	784	CLA	O1D-CGD-CBD	-2.03	120.32	124.48
25	j	601	CLA	O2D-CGD-O1D	-2.03	119.86	123.84
25	A	806	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	e	610	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
25	f	602	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	B	778	CLA	CED-O2D-CGD	2.03	120.53	115.94
25	e	604	CLA	CMD-C2D-C1D	2.03	128.29	124.71
25	k	601	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	o	604	CLA	CMB-C2B-C3B	2.03	128.48	124.68
25	p	612	CLA	CBA-CAA-C2A	2.03	118.30	114.02
29	A	792	BCR	C8-C9-C10	2.03	122.06	118.94
25	A	762	CLA	C3C-C4C-NC	-2.03	108.29	110.57
25	B	782	CLA	O2A-CGA-O1A	-2.03	118.47	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	o	608	CLA	C2D-C1D-ND	2.03	111.60	110.10
25	d	601	CLA	CMD-C2D-C1D	2.03	128.29	124.71
25	a	602	CLA	C4D-CHA-C1A	2.03	123.72	121.25
25	p	613	CLA	C3C-C4C-NC	-2.03	108.30	110.57
25	a	619	CLA	CMB-C2B-C3B	2.03	128.47	124.68
25	e	602	CLA	CMD-C2D-C1D	2.03	128.29	124.71
25	h	608	CLA	CMB-C2B-C3B	2.03	128.47	124.68
25	i	612	CLA	CMB-C2B-C3B	2.03	128.47	124.68
25	m	612	CLA	CMB-C2B-C3B	2.03	128.47	124.68
25	B	778	CLA	O1D-CGD-CBD	-2.03	120.33	124.48
25	B	771	CLA	C3C-C4C-NC	-2.03	108.30	110.57
25	j	608	CLA	C3C-C4C-NC	-2.03	108.30	110.57
35	d	605	CHL	C3C-C4C-NC	-2.03	108.30	110.57
25	A	757	CLA	O2D-CGD-O1D	-2.03	119.87	123.84
31	a	620	DD6	O1-C20-C15	-2.03	57.28	58.96
25	o	612	CLA	CMD-C2D-C1D	2.03	128.29	124.71
25	l	604	CLA	CMB-C2B-C3B	2.03	128.47	124.68
25	B	778	CLA	C2D-C1D-ND	2.03	111.60	110.10
25	B	776	CLA	CMB-C2B-C3B	2.03	128.47	124.68
25	e	603	CLA	CED-O2D-CGD	2.03	120.52	115.94
25	A	777	CLA	C3C-C4C-NC	-2.03	108.30	110.57
25	A	778	CLA	C3C-C4C-NC	-2.03	108.30	110.57
31	g	620	DD6	C21-C20-C19	2.03	116.56	114.28
25	B	775	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
31	p	621	DD6	O1-C20-C15	-2.03	57.28	58.96
25	o	608	CLA	CED-O2D-CGD	2.03	120.52	115.94
34	b	182	DGD	C4E-C3E-C2E	2.03	114.36	110.82
25	A	781	CLA	C4-C3-C5	-2.03	111.86	115.27
35	d	605	CHL	C2C-C3C-C4C	2.03	107.93	106.49
25	c	606	CLA	CMD-C2D-C1D	2.03	128.28	124.71
25	o	609	CLA	CMD-C2D-C1D	2.03	128.28	124.71
25	A	769	CLA	C5-C3-C2	2.03	125.22	121.12
30	A	795	SQD	O5-C5-C4	2.02	113.37	109.69
31	d	623	DD6	C8-C6-C5	2.02	122.05	118.94
31	c	621	DD6	C33-C32-C31	-2.02	105.51	109.62
25	B	757	CLA	C2C-C1C-NC	-2.02	108.08	109.97
25	n	602	CLA	C2C-C1C-NC	-2.02	108.08	109.97
31	F	4002	DD6	C20-C19-C18	2.02	116.75	112.75
25	f	610	CLA	CMD-C2D-C1D	2.02	128.28	124.71
25	n	608	CLA	CMD-C2D-C1D	2.02	128.28	124.71
25	A	766	CLA	O2D-CGD-O1D	-2.02	119.88	123.84
25	A	752	CLA	CMB-C2B-C3B	2.02	128.46	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	c	603	CLA	O2D-CGD-O1D	-2.02	119.88	123.84
25	B	736	CLA	C12-C11-C10	-2.02	103.95	113.24
25	p	604	CLA	CMD-C2D-C1D	2.02	128.28	124.71
25	n	603	CLA	CMD-C2D-C1D	2.02	128.28	124.71
25	B	749	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
25	b	613	CLA	CBA-CAA-C2A	2.02	117.97	113.47
25	m	601	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	p	601	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	j	602	CLA	C2D-C1D-ND	2.02	111.59	110.10
25	k	611	CLA	C2D-C1D-ND	2.02	111.59	110.10
25	n	604	CLA	O1D-CGD-CBD	-2.02	120.35	124.48
25	B	777	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	B	768	CLA	CMB-C2B-C3B	2.02	128.46	124.68
25	B	770	CLA	CED-O2D-CGD	2.02	120.50	115.94
25	b	612	CLA	O2D-CGD-O1D	-2.02	119.89	123.84
25	p	602	CLA	O2D-CGD-O1D	-2.02	119.89	123.84
33	B	786	LMG	O6-C1-O1	-2.02	105.19	109.97
25	k	608	CLA	CED-O2D-CGD	2.02	120.50	115.94
25	d	609	CLA	C2D-C1D-ND	2.02	111.59	110.10
25	p	601	CLA	O1D-CGD-CBD	-2.02	120.35	124.48
25	c	619	CLA	C3C-C4C-NC	-2.02	108.31	110.57
25	B	782	CLA	CED-O2D-CGD	2.02	120.50	115.94
25	a	602	CLA	C1-C2-C3	2.02	129.53	126.04
25	o	601	CLA	CMB-C2B-C3B	2.02	128.45	124.68
31	o	621	DD6	C7-C6-C5	-2.02	120.10	122.92
25	A	768	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
25	c	616	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	f	614	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	A	780	CLA	CMB-C2B-C3B	2.02	128.45	124.68
25	l	612	CLA	CMB-C2B-C3B	2.02	128.45	124.68
25	f	603	CLA	O1D-CGD-CBD	-2.02	120.36	124.48
29	A	796	BCR	C28-C27-C26	-2.02	110.47	114.08
25	A	803	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	e	610	CLA	C4-C3-C5	-2.02	111.88	115.27
25	n	613	CLA	O1D-CGD-CBD	-2.02	120.36	124.48
25	A	770	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
25	B	784	CLA	CMD-C2D-C1D	2.02	128.27	124.71
25	o	610	CLA	CAA-C2A-C3A	-2.02	111.39	116.10
25	A	808	CLA	C3C-C4C-NC	-2.02	108.31	110.57
25	f	601	CLA	C3C-C4C-NC	-2.02	108.31	110.57
31	j	621	DD6	C7-C6-C5	-2.02	120.10	122.92
25	l	610	CLA	CMB-C2B-C3B	2.02	128.45	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	798	CLA	O1D-CGD-CBD	-2.02	120.36	124.48
25	d	603	CLA	CMD-C2D-C1D	2.02	128.26	124.71
25	A	769	CLA	CED-O2D-CGD	2.02	120.50	115.94
25	J	101	CLA	C3C-C4C-NC	-2.02	108.31	110.57
25	e	605	CLA	CMB-C2B-C3B	2.01	128.45	124.68
25	A	771	CLA	O2D-CGD-O1D	-2.01	119.90	123.84
35	e	606	CHL	C2C-C3C-C4C	2.01	107.92	106.49
25	A	804	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
25	A	797	CLA	CMD-C2D-C1D	2.01	128.26	124.71
25	k	612	CLA	CMD-C2D-C1D	2.01	128.26	124.71
25	c	611	CLA	C3C-C4C-NC	-2.01	108.31	110.57
31	c	623	DD6	C8-C6-C5	2.01	122.03	118.94
25	A	776	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
25	B	781	CLA	C3C-C4C-NC	-2.01	108.31	110.57
25	B	779	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	f	614	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	h	609	CLA	O1D-CGD-CBD	-2.01	120.37	124.48
28	A	785	PQN	C10-C1-C2	-2.01	116.08	118.95
25	A	758	CLA	C3C-C4C-NC	-2.01	108.31	110.57
25	j	613	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	B	783	CLA	C1-C2-C3	2.01	130.01	126.75
25	e	605	CLA	O1D-CGD-CBD	-2.01	120.37	124.48
25	B	756	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
25	B	752	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	f	609	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	e	601	CLA	C2D-C1D-ND	2.01	111.59	110.10
25	k	613	CLA	C2D-C1D-ND	2.01	111.59	110.10
31	g	621	DD6	O4-C34-C33	-2.01	105.81	109.80
25	m	610	CLA	O1D-CGD-CBD	-2.01	120.37	124.48
25	f	609	CLA	C3C-C4C-NC	-2.01	108.32	110.57
25	a	619	CLA	CMD-C2D-C1D	2.01	128.25	124.71
25	b	613	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	g	613	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	g	613	CLA	O2D-CGD-O1D	-2.01	119.91	123.84
35	c	607	CHL	C3C-C4C-NC	-2.01	108.32	110.57
35	d	608	CHL	C2C-C3C-C4C	2.01	107.92	106.49
25	A	758	CLA	CMD-C2D-C1D	2.01	128.25	124.71
25	n	607	CLA	CMB-C2B-C3B	2.01	128.44	124.68
25	A	781	CLA	O2D-CGD-O1D	-2.01	119.91	123.84
25	j	608	CLA	O1D-CGD-CBD	-2.01	120.38	124.48
25	i	603	CLA	CMD-C2D-C1D	2.01	128.25	124.71
25	m	602	CLA	O2A-CGA-O1A	-2.01	118.53	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	l	609	CLA	O1D-CGD-CBD	-2.01	120.38	124.48
25	A	794	CLA	C2D-C1D-ND	2.01	111.58	110.10
25	n	605	CLA	C2D-C1D-ND	2.01	111.58	110.10
25	f	615	CLA	CMD-C2D-C1D	2.01	128.25	124.71
25	n	612	CLA	CMD-C2D-C1D	2.01	128.25	124.71
25	b	603	CLA	C3C-C4C-NC	-2.01	108.32	110.57
31	b	620	DD6	C8-C6-C5	2.01	122.02	118.94
25	a	609	CLA	O1D-CGD-CBD	-2.01	120.38	124.48
25	g	618	CLA	O1D-CGD-CBD	-2.01	120.38	124.48
25	o	614	CLA	CED-O2D-CGD	2.01	120.47	115.94
25	d	611	CLA	C3C-C4C-NC	-2.00	108.32	110.57
25	l	612	CLA	O1D-CGD-CBD	-2.00	120.38	124.48
25	i	614	CLA	C2D-C1D-ND	2.00	111.58	110.10
25	g	601	CLA	C2D-C1D-ND	2.00	111.58	110.10
25	A	778	CLA	CMD-C2D-C1D	2.00	128.25	124.71
25	B	783	CLA	CED-O2D-CGD	2.00	120.47	115.94
25	l	612	CLA	CMD-C2D-C1D	2.00	128.24	124.71
28	d	223	PQN	C17-C16-C15	-2.00	107.92	113.36
31	l	621	DD6	C4-C5-C6	-2.00	124.45	127.31
25	c	609	CLA	CMD-C2D-C1D	2.00	128.24	124.71
25	B	741	CLA	CMB-C2B-C3B	2.00	128.43	124.68
31	a	620	DD6	O4-C34-C33	-2.00	105.82	109.80
33	k	179	LMG	O6-C1-O1	-2.00	105.23	109.97
25	B	746	CLA	O1D-CGD-CBD	-2.00	120.39	124.48
25	c	612	CLA	CMD-C2D-C1D	2.00	128.24	124.71
25	e	603	CLA	CMD-C2D-C1D	2.00	128.24	124.71
25	B	783	CLA	C2D-C1D-ND	2.00	111.58	110.10
25	o	614	CLA	C2D-C1D-ND	2.00	111.58	110.10
25	A	780	CLA	C12-C11-C10	-2.00	102.15	114.64
25	h	601	CLA	CMB-C2B-C3B	2.00	128.42	124.68
25	h	613	CLA	O1D-CGD-CBD	-2.00	120.39	124.48
25	p	610	CLA	C2D-C1D-ND	2.00	111.58	110.10
25	g	610	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
25	A	762	CLA	CED-O2D-CGD	2.00	120.46	115.94
25	B	771	CLA	CMB-C2B-C3B	2.00	128.42	124.68
25	g	611	CLA	C4D-CHA-C1A	2.00	123.68	121.25

All (294) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
25	A	752	CLA	ND
25	A	753	CLA	ND

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Mol	Chain	Res	Type	Atom
25	A	755	CLA	ND
25	A	757	CLA	ND
25	A	758	CLA	ND
25	A	759	CLA	ND
25	A	760	CLA	ND
25	A	761	CLA	ND
25	A	762	CLA	ND
25	A	763	CLA	ND
25	A	764	CLA	ND
25	A	765	CLA	ND
25	A	766	CLA	ND
25	A	767	CLA	ND
25	A	768	CLA	ND
25	A	769	CLA	ND
25	A	770	CLA	ND
25	A	771	CLA	ND
25	A	772	CLA	ND
25	A	773	CLA	ND
25	A	774	CLA	ND
25	A	775	CLA	ND
25	A	776	CLA	ND
25	A	777	CLA	ND
25	A	778	CLA	ND
25	A	779	CLA	ND
25	A	780	CLA	ND
25	A	781	CLA	ND
25	A	782	CLA	ND
25	A	783	CLA	ND
25	A	784	CLA	ND
25	A	791	CLA	ND
25	A	793	CLA	ND
25	A	794	CLA	ND
25	A	797	CLA	ND
25	A	798	CLA	ND
25	A	799	CLA	ND
25	A	800	CLA	ND
25	A	801	CLA	ND
25	A	802	CLA	ND
25	A	803	CLA	ND
25	A	804	CLA	ND
25	A	805	CLA	ND
25	A	806	CLA	ND

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Mol	Chain	Res	Type	Atom
25	A	807	CLA	ND
25	A	808	CLA	ND
25	B	736	CLA	ND
25	B	737	CLA	ND
25	B	738	CLA	ND
25	B	739	CLA	ND
25	B	740	CLA	ND
25	B	741	CLA	ND
25	B	742	CLA	ND
25	B	743	CLA	ND
25	B	744	CLA	ND
25	B	745	CLA	ND
25	B	746	CLA	ND
25	B	747	CLA	ND
25	B	748	CLA	ND
25	B	749	CLA	ND
25	B	750	CLA	ND
25	B	751	CLA	ND
25	B	752	CLA	ND
25	B	753	CLA	ND
25	B	754	CLA	ND
25	B	755	CLA	ND
25	B	756	CLA	ND
25	B	757	CLA	ND
25	B	758	CLA	ND
25	B	759	CLA	ND
25	B	760	CLA	ND
25	B	768	CLA	ND
25	B	770	CLA	ND
25	B	771	CLA	ND
25	B	772	CLA	ND
25	B	773	CLA	ND
25	B	774	CLA	ND
25	B	775	CLA	ND
25	B	776	CLA	ND
25	B	777	CLA	ND
25	B	778	CLA	ND
25	B	779	CLA	ND
25	B	780	CLA	ND
25	B	781	CLA	ND
25	B	782	CLA	ND
25	B	783	CLA	ND

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Mol	Chain	Res	Type	Atom
25	B	784	CLA	ND
25	B	785	CLA	ND
25	J	101	CLA	ND
25	a	601	CLA	ND
25	a	602	CLA	ND
25	a	603	CLA	ND
25	a	604	CLA	ND
25	a	608	CLA	ND
25	a	609	CLA	ND
25	a	610	CLA	ND
25	a	611	CLA	ND
25	a	612	CLA	ND
25	a	613	CLA	ND
25	a	619	CLA	ND
25	b	601	CLA	ND
25	b	602	CLA	ND
25	b	603	CLA	ND
25	b	604	CLA	ND
25	b	605	CLA	ND
25	b	608	CLA	ND
25	b	609	CLA	ND
25	b	610	CLA	ND
25	b	611	CLA	ND
25	b	612	CLA	ND
25	b	613	CLA	ND
25	c	601	CLA	ND
25	c	602	CLA	ND
25	c	603	CLA	ND
25	c	604	CLA	ND
25	c	606	CLA	ND
25	c	608	CLA	ND
25	c	609	CLA	ND
25	c	610	CLA	ND
25	c	611	CLA	ND
25	c	612	CLA	ND
25	c	613	CLA	ND
25	c	614	CLA	ND
25	c	616	CLA	ND
25	c	619	CLA	ND
25	d	601	CLA	ND
25	d	602	CLA	ND
25	d	603	CLA	ND

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Mol	Chain	Res	Type	Atom
25	d	604	CLA	ND
25	d	609	CLA	ND
25	d	610	CLA	ND
25	d	611	CLA	ND
25	d	612	CLA	ND
25	d	613	CLA	ND
25	d	614	CLA	ND
25	e	601	CLA	ND
25	e	602	CLA	ND
25	e	603	CLA	ND
25	e	604	CLA	ND
25	e	605	CLA	ND
25	e	607	CLA	ND
25	e	608	CLA	ND
25	e	609	CLA	ND
25	e	610	CLA	ND
25	e	611	CLA	ND
25	e	612	CLA	ND
25	e	613	CLA	ND
25	e	614	CLA	ND
25	h	601	CLA	ND
25	h	602	CLA	ND
25	h	603	CLA	ND
25	h	604	CLA	ND
25	h	608	CLA	ND
25	h	609	CLA	ND
25	h	610	CLA	ND
25	h	611	CLA	ND
25	h	612	CLA	ND
25	h	613	CLA	ND
25	h	614	CLA	ND
25	h	615	CLA	ND
25	h	618	CLA	ND
25	i	601	CLA	ND
25	i	602	CLA	ND
25	i	603	CLA	ND
25	i	604	CLA	ND
25	i	608	CLA	ND
25	i	609	CLA	ND
25	i	610	CLA	ND
25	i	611	CLA	ND
25	i	612	CLA	ND

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Mol	Chain	Res	Type	Atom
25	i	613	CLA	ND
25	i	614	CLA	ND
25	i	615	CLA	ND
25	j	601	CLA	ND
25	j	602	CLA	ND
25	j	603	CLA	ND
25	j	604	CLA	ND
25	j	608	CLA	ND
25	j	609	CLA	ND
25	j	610	CLA	ND
25	j	611	CLA	ND
25	j	612	CLA	ND
25	j	613	CLA	ND
25	j	614	CLA	ND
25	j	615	CLA	ND
25	j	618	CLA	ND
25	k	601	CLA	ND
25	k	602	CLA	ND
25	k	603	CLA	ND
25	k	604	CLA	ND
25	k	608	CLA	ND
25	k	609	CLA	ND
25	k	610	CLA	ND
25	k	611	CLA	ND
25	k	612	CLA	ND
25	k	613	CLA	ND
25	k	614	CLA	ND
25	k	615	CLA	ND
25	k	618	CLA	ND
25	l	601	CLA	ND
25	l	602	CLA	ND
25	l	603	CLA	ND
25	l	604	CLA	ND
25	l	608	CLA	ND
25	l	609	CLA	ND
25	l	610	CLA	ND
25	l	611	CLA	ND
25	l	612	CLA	ND
25	l	613	CLA	ND
25	l	614	CLA	ND
25	l	617	CLA	ND
25	m	601	CLA	ND

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Mol	Chain	Res	Type	Atom
25	m	602	CLA	ND
25	m	603	CLA	ND
25	m	604	CLA	ND
25	m	608	CLA	ND
25	m	609	CLA	ND
25	m	610	CLA	ND
25	m	611	CLA	ND
25	m	612	CLA	ND
25	m	613	CLA	ND
25	f	601	CLA	ND
25	f	602	CLA	ND
25	f	603	CLA	ND
25	f	604	CLA	ND
25	f	608	CLA	ND
25	f	609	CLA	ND
25	f	610	CLA	ND
25	f	611	CLA	ND
25	f	612	CLA	ND
25	f	613	CLA	ND
25	f	614	CLA	ND
25	f	615	CLA	ND
25	g	601	CLA	ND
25	g	602	CLA	ND
25	g	603	CLA	ND
25	g	604	CLA	ND
25	g	608	CLA	ND
25	g	609	CLA	ND
25	g	610	CLA	ND
25	g	611	CLA	ND
25	g	612	CLA	ND
25	g	613	CLA	ND
25	g	614	CLA	ND
25	g	615	CLA	ND
25	g	618	CLA	ND
25	n	602	CLA	ND
25	n	603	CLA	ND
25	n	604	CLA	ND
25	n	605	CLA	ND
25	n	606	CLA	ND
25	n	607	CLA	ND
25	n	608	CLA	ND
25	n	609	CLA	ND

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Mol	Chain	Res	Type	Atom
25	n	610	CLA	ND
25	n	612	CLA	ND
25	n	613	CLA	ND
25	o	601	CLA	ND
25	o	602	CLA	ND
25	o	603	CLA	ND
25	o	604	CLA	ND
25	o	608	CLA	ND
25	o	609	CLA	ND
25	o	610	CLA	ND
25	o	612	CLA	ND
25	o	613	CLA	ND
25	o	614	CLA	ND
25	p	601	CLA	ND
25	p	602	CLA	ND
25	p	603	CLA	ND
25	p	604	CLA	ND
25	p	608	CLA	ND
25	p	609	CLA	ND
25	p	610	CLA	ND
25	p	612	CLA	ND
25	p	613	CLA	ND
35	c	607	CHL	NA
35	c	607	CHL	NC
35	c	607	CHL	ND
35	d	605	CHL	NA
35	d	605	CHL	NC
35	d	605	CHL	ND
35	d	606	CHL	NA
35	d	606	CHL	NC
35	d	606	CHL	ND
35	d	607	CHL	NA
35	d	607	CHL	NC
35	d	607	CHL	ND
35	d	608	CHL	NA
35	d	608	CHL	NC
35	d	608	CHL	ND
35	e	606	CHL	NA
35	e	606	CHL	NC
35	e	606	CHL	ND

All (2730) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
25	A	752	CLA	CHA-CBD-CGD-O2D
25	A	753	CLA	C1-C2-C3-C4
25	A	753	CLA	C1-C2-C3-C5
25	A	759	CLA	CHA-CBD-CGD-O2D
25	A	760	CLA	CHA-CBD-CGD-O1D
25	A	760	CLA	CAD-CBD-CGD-O1D
25	A	760	CLA	O2A-C1-C2-C3
25	A	760	CLA	C1-C2-C3-C4
25	A	760	CLA	C1-C2-C3-C5
25	A	761	CLA	C12-C13-C15-C16
25	A	763	CLA	CHA-CBD-CGD-O2D
25	A	764	CLA	CBD-CGD-O2D-CED
25	A	765	CLA	C1A-C2A-CAA-CBA
25	A	765	CLA	C4-C3-C5-C6
25	A	766	CLA	C1-C2-C3-C4
25	A	766	CLA	C1-C2-C3-C5
25	A	767	CLA	C1A-C2A-CAA-CBA
25	A	768	CLA	C3A-C2A-CAA-CBA
25	A	771	CLA	C1A-C2A-CAA-CBA
25	A	772	CLA	C1-C2-C3-C5
25	A	773	CLA	C4-C3-C5-C6
25	A	775	CLA	C1-C2-C3-C5
25	A	777	CLA	C2-C3-C5-C6
25	A	779	CLA	C1A-C2A-CAA-CBA
25	A	779	CLA	CBD-CGD-O2D-CED
25	A	780	CLA	C1-C2-C3-C5
25	A	781	CLA	C1-C2-C3-C4
25	A	782	CLA	CHA-CBD-CGD-O2D
25	A	782	CLA	CBD-CGD-O2D-CED
25	A	783	CLA	C1-C2-C3-C4
25	A	783	CLA	C1-C2-C3-C5
25	A	784	CLA	C1-C2-C3-C4
25	A	784	CLA	C1-C2-C3-C5
25	A	784	CLA	C4-C3-C5-C6
25	A	791	CLA	C1-C2-C3-C4
25	A	797	CLA	C1A-C2A-CAA-CBA
25	A	797	CLA	C3A-C2A-CAA-CBA
25	A	798	CLA	C1-C2-C3-C4
25	A	798	CLA	C1-C2-C3-C5
25	A	798	CLA	C2-C3-C5-C6
25	A	799	CLA	C1A-C2A-CAA-CBA
25	A	799	CLA	C3A-C2A-CAA-CBA
25	A	799	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
25	A	799	CLA	C1-C2-C3-C4
25	A	799	CLA	C1-C2-C3-C5
25	A	800	CLA	C1A-C2A-CAA-CBA
25	A	800	CLA	C3A-C2A-CAA-CBA
25	A	801	CLA	C3A-C2A-CAA-CBA
25	A	801	CLA	C11-C12-C13-C14
25	A	802	CLA	C1A-C2A-CAA-CBA
25	A	803	CLA	C1-C2-C3-C5
25	A	803	CLA	C4-C3-C5-C6
25	A	804	CLA	C1A-C2A-CAA-CBA
25	A	804	CLA	C3A-C2A-CAA-CBA
25	A	806	CLA	CHA-CBD-CGD-O2D
25	B	736	CLA	CHA-CBD-CGD-O1D
25	B	737	CLA	CBD-CGD-O2D-CED
25	B	737	CLA	C1-C2-C3-C5
25	B	739	CLA	C4-C3-C5-C6
25	B	739	CLA	C11-C10-C8-C9
25	B	740	CLA	C1A-C2A-CAA-CBA
25	B	741	CLA	CHA-CBD-CGD-O2D
25	B	745	CLA	C3A-C2A-CAA-CBA
25	B	748	CLA	C1A-C2A-CAA-CBA
25	B	748	CLA	C3A-C2A-CAA-CBA
25	B	748	CLA	C4-C3-C5-C6
25	B	749	CLA	C1A-C2A-CAA-CBA
25	B	749	CLA	C3A-C2A-CAA-CBA
25	B	750	CLA	O2A-C1-C2-C3
25	B	751	CLA	CHA-CBD-CGD-O1D
25	B	751	CLA	CHA-CBD-CGD-O2D
25	B	752	CLA	C1-C2-C3-C4
25	B	754	CLA	C1A-C2A-CAA-CBA
25	B	754	CLA	C3A-C2A-CAA-CBA
25	B	755	CLA	C1A-C2A-CAA-CBA
25	B	757	CLA	C1A-C2A-CAA-CBA
25	B	757	CLA	C1-C2-C3-C4
25	B	758	CLA	C1A-C2A-CAA-CBA
25	B	758	CLA	C1-C2-C3-C4
25	B	759	CLA	C1A-C2A-CAA-CBA
25	B	759	CLA	C3A-C2A-CAA-CBA
25	B	759	CLA	C2A-CAA-CBA-CGA
25	B	760	CLA	C1A-C2A-CAA-CBA
25	B	760	CLA	C3A-C2A-CAA-CBA
25	B	768	CLA	C1-C2-C3-C4

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Mol	Chain	Res	Type	Atoms
25	B	774	CLA	C1A-C2A-CAA-CBA
25	B	774	CLA	C3A-C2A-CAA-CBA
25	B	774	CLA	C1-C2-C3-C4
25	B	774	CLA	C4-C3-C5-C6
25	B	775	CLA	C1A-C2A-CAA-CBA
25	B	776	CLA	C1A-C2A-CAA-CBA
25	B	777	CLA	C1-C2-C3-C4
25	B	778	CLA	C1A-C2A-CAA-CBA
25	B	778	CLA	C3A-C2A-CAA-CBA
25	B	781	CLA	C1A-C2A-CAA-CBA
25	B	783	CLA	C1-C2-C3-C4
25	B	783	CLA	C1-C2-C3-C5
25	B	784	CLA	C1A-C2A-CAA-CBA
25	B	785	CLA	C1A-C2A-CAA-CBA
25	B	785	CLA	C3A-C2A-CAA-CBA
25	B	785	CLA	CHA-CBD-CGD-O1D
25	B	785	CLA	CHA-CBD-CGD-O2D
25	J	101	CLA	C3A-C2A-CAA-CBA
25	J	101	CLA	CHA-CBD-CGD-O1D
25	J	101	CLA	C1-C2-C3-C4
25	a	601	CLA	C1A-C2A-CAA-CBA
25	a	601	CLA	CHA-CBD-CGD-O2D
25	a	602	CLA	C1A-C2A-CAA-CBA
25	a	602	CLA	C3A-C2A-CAA-CBA
25	a	602	CLA	C1-C2-C3-C4
25	a	602	CLA	C1-C2-C3-C5
25	a	602	CLA	C4-C3-C5-C6
25	a	603	CLA	CBA-CGA-O2A-C1
25	a	603	CLA	O1A-CGA-O2A-C1
25	a	604	CLA	CHA-CBD-CGD-O2D
25	a	608	CLA	C1A-C2A-CAA-CBA
25	a	608	CLA	C3A-C2A-CAA-CBA
25	a	608	CLA	CBD-CGD-O2D-CED
25	a	609	CLA	C1A-C2A-CAA-CBA
25	a	609	CLA	C1-C2-C3-C4
25	a	609	CLA	C1-C2-C3-C5
25	a	610	CLA	C1A-C2A-CAA-CBA
25	a	610	CLA	C3A-C2A-CAA-CBA
25	a	611	CLA	C1A-C2A-CAA-CBA
25	a	611	CLA	C3A-C2A-CAA-CBA
25	a	612	CLA	C2A-CAA-CBA-CGA
25	a	613	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
25	a	613	CLA	CBA-CGA-O2A-C1
25	a	613	CLA	O1A-CGA-O2A-C1
25	a	613	CLA	C4-C3-C5-C6
25	a	619	CLA	CBA-CGA-O2A-C1
25	a	619	CLA	O1A-CGA-O2A-C1
25	a	619	CLA	CBD-CGD-O2D-CED
25	a	619	CLA	O1D-CGD-O2D-CED
25	a	619	CLA	C1-C2-C3-C4
25	a	619	CLA	C1-C2-C3-C5
25	a	619	CLA	C4-C3-C5-C6
25	b	602	CLA	C1A-C2A-CAA-CBA
25	b	602	CLA	C3A-C2A-CAA-CBA
25	b	602	CLA	CHA-CBD-CGD-O1D
25	b	602	CLA	CBD-CGD-O2D-CED
25	b	603	CLA	C1A-C2A-CAA-CBA
25	b	603	CLA	C3A-C2A-CAA-CBA
25	b	610	CLA	C3A-C2A-CAA-CBA
25	b	611	CLA	CHA-CBD-CGD-O2D
25	b	612	CLA	CBA-CGA-O2A-C1
25	b	612	CLA	O1A-CGA-O2A-C1
25	b	612	CLA	C1-C2-C3-C4
25	b	612	CLA	C2-C3-C5-C6
25	b	613	CLA	C1A-C2A-CAA-CBA
25	b	613	CLA	C3A-C2A-CAA-CBA
25	c	601	CLA	C1A-C2A-CAA-CBA
25	c	601	CLA	C3A-C2A-CAA-CBA
25	c	602	CLA	C1A-C2A-CAA-CBA
25	c	602	CLA	C3A-C2A-CAA-CBA
25	c	603	CLA	CBA-CGA-O2A-C1
25	c	603	CLA	O1A-CGA-O2A-C1
25	c	603	CLA	C4-C3-C5-C6
25	c	606	CLA	C1A-C2A-CAA-CBA
25	c	608	CLA	C1-C2-C3-C4
25	c	608	CLA	C1-C2-C3-C5
25	c	609	CLA	C1A-C2A-CAA-CBA
25	c	609	CLA	C3A-C2A-CAA-CBA
25	c	610	CLA	C3A-C2A-CAA-CBA
25	c	613	CLA	C1-C2-C3-C5
25	c	614	CLA	C1A-C2A-CAA-CBA
25	c	614	CLA	C3A-C2A-CAA-CBA
25	c	616	CLA	CHA-CBD-CGD-O1D
25	c	616	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
25	c	616	CLA	CAD-CBD-CGD-O1D
25	c	616	CLA	CAD-CBD-CGD-O2D
25	c	619	CLA	CHA-CBD-CGD-O1D
25	c	619	CLA	CAD-CBD-CGD-O1D
25	c	619	CLA	CBD-CGD-O2D-CED
25	d	602	CLA	CHA-CBD-CGD-O2D
25	d	609	CLA	C1-C2-C3-C4
25	d	610	CLA	C1A-C2A-CAA-CBA
25	d	610	CLA	C3A-C2A-CAA-CBA
25	d	611	CLA	C1A-C2A-CAA-CBA
25	d	611	CLA	C3A-C2A-CAA-CBA
25	d	613	CLA	C1A-C2A-CAA-CBA
25	d	613	CLA	C3A-C2A-CAA-CBA
25	d	613	CLA	CBD-CGD-O2D-CED
25	d	614	CLA	C1A-C2A-CAA-CBA
25	d	614	CLA	CBD-CGD-O2D-CED
25	e	601	CLA	C3A-C2A-CAA-CBA
25	e	602	CLA	C1A-C2A-CAA-CBA
25	e	602	CLA	C3A-C2A-CAA-CBA
25	e	602	CLA	CBD-CGD-O2D-CED
25	e	602	CLA	C1-C2-C3-C4
25	e	602	CLA	C2-C3-C5-C6
25	e	605	CLA	C1A-C2A-CAA-CBA
25	e	609	CLA	C1A-C2A-CAA-CBA
25	e	609	CLA	C3A-C2A-CAA-CBA
25	e	610	CLA	C1A-C2A-CAA-CBA
25	e	610	CLA	C3A-C2A-CAA-CBA
25	e	611	CLA	C1A-C2A-CAA-CBA
25	e	611	CLA	C3A-C2A-CAA-CBA
25	e	614	CLA	C1A-C2A-CAA-CBA
25	h	601	CLA	C1A-C2A-CAA-CBA
25	h	601	CLA	C3A-C2A-CAA-CBA
25	h	601	CLA	CHA-CBD-CGD-O2D
25	h	602	CLA	CHA-CBD-CGD-O2D
25	h	602	CLA	C1-C2-C3-C4
25	h	603	CLA	C1A-C2A-CAA-CBA
25	h	603	CLA	C3A-C2A-CAA-CBA
25	h	604	CLA	C1A-C2A-CAA-CBA
25	h	604	CLA	C3A-C2A-CAA-CBA
25	h	604	CLA	CBA-CGA-O2A-C1
25	h	604	CLA	O1A-CGA-O2A-C1
25	h	604	CLA	C1-C2-C3-C4

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Mol	Chain	Res	Type	Atoms
25	h	608	CLA	C1A-C2A-CAA-CBA
25	h	608	CLA	C3A-C2A-CAA-CBA
25	h	609	CLA	C1A-C2A-CAA-CBA
25	h	609	CLA	C3A-C2A-CAA-CBA
25	h	610	CLA	C1A-C2A-CAA-CBA
25	h	610	CLA	C1-C2-C3-C5
25	h	612	CLA	C1-C2-C3-C4
25	h	612	CLA	C1-C2-C3-C5
25	h	613	CLA	C1-C2-C3-C4
25	h	613	CLA	C4-C3-C5-C6
25	h	614	CLA	C1A-C2A-CAA-CBA
25	h	615	CLA	C1A-C2A-CAA-CBA
25	h	615	CLA	C3A-C2A-CAA-CBA
25	i	601	CLA	C1A-C2A-CAA-CBA
25	i	601	CLA	C3A-C2A-CAA-CBA
25	i	601	CLA	CBD-CGD-O2D-CED
25	i	602	CLA	C1A-C2A-CAA-CBA
25	i	602	CLA	C3A-C2A-CAA-CBA
25	i	602	CLA	O1A-CGA-O2A-C1
25	i	608	CLA	C1-C2-C3-C4
25	i	610	CLA	C3A-C2A-CAA-CBA
25	i	611	CLA	C1A-C2A-CAA-CBA
25	i	611	CLA	C3A-C2A-CAA-CBA
25	i	612	CLA	C1A-C2A-CAA-CBA
25	i	613	CLA	C11-C10-C8-C9
25	i	614	CLA	C1A-C2A-CAA-CBA
25	i	614	CLA	C3A-C2A-CAA-CBA
25	j	601	CLA	C1A-C2A-CAA-CBA
25	j	601	CLA	CBD-CGD-O2D-CED
25	j	601	CLA	C1-C2-C3-C5
25	j	604	CLA	CBD-CGD-O2D-CED
25	j	604	CLA	O1D-CGD-O2D-CED
25	j	608	CLA	C1A-C2A-CAA-CBA
25	j	608	CLA	CBA-CGA-O2A-C1
25	j	609	CLA	C1-C2-C3-C4
25	j	609	CLA	C1-C2-C3-C5
25	j	610	CLA	C3A-C2A-CAA-CBA
25	j	610	CLA	C4-C3-C5-C6
25	j	610	CLA	C11-C10-C8-C9
25	j	611	CLA	C1A-C2A-CAA-CBA
25	j	611	CLA	C1-C2-C3-C5
25	j	612	CLA	C1-C2-C3-C4

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Mol	Chain	Res	Type	Atoms
25	j	612	CLA	C1-C2-C3-C5
25	j	613	CLA	C1-C2-C3-C5
25	j	615	CLA	C1A-C2A-CAA-CBA
25	j	615	CLA	C3A-C2A-CAA-CBA
25	j	618	CLA	C1A-C2A-CAA-CBA
25	j	618	CLA	C3A-C2A-CAA-CBA
25	j	618	CLA	C1-C2-C3-C5
25	k	601	CLA	C1A-C2A-CAA-CBA
25	k	602	CLA	C1A-C2A-CAA-CBA
25	k	602	CLA	C3A-C2A-CAA-CBA
25	k	602	CLA	C1-C2-C3-C4
25	k	602	CLA	C1-C2-C3-C5
25	k	603	CLA	C1A-C2A-CAA-CBA
25	k	603	CLA	C3A-C2A-CAA-CBA
25	k	604	CLA	C1A-C2A-CAA-CBA
25	k	604	CLA	C1-C2-C3-C5
25	k	604	CLA	C11-C10-C8-C9
25	k	610	CLA	C3A-C2A-CAA-CBA
25	k	611	CLA	C1A-C2A-CAA-CBA
25	k	611	CLA	C3A-C2A-CAA-CBA
25	k	611	CLA	CHA-CBD-CGD-O1D
25	k	613	CLA	C1-C2-C3-C4
25	k	613	CLA	C2-C3-C5-C6
25	k	613	CLA	C4-C3-C5-C6
25	k	614	CLA	C1A-C2A-CAA-CBA
25	k	614	CLA	CBD-CGD-O2D-CED
25	k	614	CLA	O1D-CGD-O2D-CED
25	k	615	CLA	C1A-C2A-CAA-CBA
25	l	601	CLA	C1A-C2A-CAA-CBA
25	l	602	CLA	C1A-C2A-CAA-CBA
25	l	602	CLA	C3A-C2A-CAA-CBA
25	l	602	CLA	C1-C2-C3-C4
25	l	602	CLA	C1-C2-C3-C5
25	l	602	CLA	C2-C3-C5-C6
25	l	604	CLA	CHA-CBD-CGD-O1D
25	l	608	CLA	C1A-C2A-CAA-CBA
25	l	608	CLA	C2A-CAA-CBA-CGA
25	l	609	CLA	C1A-C2A-CAA-CBA
25	l	609	CLA	C1-C2-C3-C4
25	l	610	CLA	C3A-C2A-CAA-CBA
25	l	610	CLA	C2-C3-C5-C6
25	l	614	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
25	l	614	CLA	CBD-CGD-O2D-CED
25	l	617	CLA	C1A-C2A-CAA-CBA
25	l	617	CLA	C3A-C2A-CAA-CBA
25	l	617	CLA	CHA-CBD-CGD-O1D
25	m	601	CLA	C1A-C2A-CAA-CBA
25	m	601	CLA	C3A-C2A-CAA-CBA
25	m	601	CLA	CBD-CGD-O2D-CED
25	m	602	CLA	C1A-C2A-CAA-CBA
25	m	602	CLA	C1-C2-C3-C4
25	m	602	CLA	C1-C2-C3-C5
25	m	602	CLA	C4-C3-C5-C6
25	m	609	CLA	C1-C2-C3-C4
25	m	609	CLA	C1-C2-C3-C5
25	m	610	CLA	C1A-C2A-CAA-CBA
25	m	611	CLA	C1A-C2A-CAA-CBA
25	m	611	CLA	C3A-C2A-CAA-CBA
25	m	613	CLA	C3A-C2A-CAA-CBA
25	f	601	CLA	C1A-C2A-CAA-CBA
25	f	601	CLA	CBD-CGD-O2D-CED
25	f	601	CLA	O1D-CGD-O2D-CED
25	f	602	CLA	C1A-C2A-CAA-CBA
25	f	602	CLA	C3A-C2A-CAA-CBA
25	f	604	CLA	C1A-C2A-CAA-CBA
25	f	604	CLA	C3A-C2A-CAA-CBA
25	f	604	CLA	CHA-CBD-CGD-O2D
25	f	608	CLA	CBD-CGD-O2D-CED
25	f	608	CLA	O1D-CGD-O2D-CED
25	f	609	CLA	C1A-C2A-CAA-CBA
25	f	609	CLA	C3A-C2A-CAA-CBA
25	f	609	CLA	CBD-CGD-O2D-CED
25	f	610	CLA	CHA-CBD-CGD-O1D
25	f	610	CLA	CBD-CGD-O2D-CED
25	f	610	CLA	C2-C3-C5-C6
25	f	610	CLA	C4-C3-C5-C6
25	f	611	CLA	C3A-C2A-CAA-CBA
25	f	612	CLA	C1A-C2A-CAA-CBA
25	f	612	CLA	C3A-C2A-CAA-CBA
25	f	612	CLA	CBD-CGD-O2D-CED
25	f	614	CLA	C1A-C2A-CAA-CBA
25	f	614	CLA	CBD-CGD-O2D-CED
25	f	615	CLA	C1A-C2A-CAA-CBA
25	f	615	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
25	f	615	CLA	CHA-CBD-CGD-O1D
25	f	615	CLA	CAD-CBD-CGD-O1D
25	g	601	CLA	C1A-C2A-CAA-CBA
25	g	601	CLA	C3A-C2A-CAA-CBA
25	g	601	CLA	CHA-CBD-CGD-O2D
25	g	602	CLA	C3A-C2A-CAA-CBA
25	g	602	CLA	CBD-CGD-O2D-CED
25	g	602	CLA	C2-C3-C5-C6
25	g	603	CLA	C1A-C2A-CAA-CBA
25	g	603	CLA	C3A-C2A-CAA-CBA
25	g	604	CLA	CBD-CGD-O2D-CED
25	g	608	CLA	C1A-C2A-CAA-CBA
25	g	608	CLA	C3A-C2A-CAA-CBA
25	g	608	CLA	C2A-CAA-CBA-CGA
25	g	610	CLA	C3A-C2A-CAA-CBA
25	g	611	CLA	C3A-C2A-CAA-CBA
25	g	612	CLA	CBD-CGD-O2D-CED
25	g	613	CLA	C1-C2-C3-C4
25	g	613	CLA	C1-C2-C3-C5
25	g	613	CLA	C2-C3-C5-C6
25	g	614	CLA	C1A-C2A-CAA-CBA
25	g	618	CLA	C1A-C2A-CAA-CBA
25	n	602	CLA	C1A-C2A-CAA-CBA
25	n	602	CLA	C3A-C2A-CAA-CBA
25	n	602	CLA	C1-C2-C3-C5
25	n	603	CLA	C4-C3-C5-C6
25	n	604	CLA	CHA-CBD-CGD-O1D
25	n	604	CLA	CHA-CBD-CGD-O2D
25	n	605	CLA	C1A-C2A-CAA-CBA
25	n	605	CLA	C3A-C2A-CAA-CBA
25	n	606	CLA	C1A-C2A-CAA-CBA
25	n	606	CLA	C3A-C2A-CAA-CBA
25	n	607	CLA	C1A-C2A-CAA-CBA
25	n	607	CLA	C3A-C2A-CAA-CBA
25	n	612	CLA	C1A-C2A-CAA-CBA
25	n	612	CLA	CBD-CGD-O2D-CED
25	n	613	CLA	C1A-C2A-CAA-CBA
25	n	613	CLA	C3A-C2A-CAA-CBA
25	o	601	CLA	CBD-CGD-O2D-CED
25	o	602	CLA	C1A-C2A-CAA-CBA
25	o	602	CLA	C3A-C2A-CAA-CBA
25	o	602	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
25	o	602	CLA	CBD-CGD-O2D-CED
25	o	604	CLA	C1A-C2A-CAA-CBA
25	o	604	CLA	C3A-C2A-CAA-CBA
25	o	608	CLA	C2A-CAA-CBA-CGA
25	o	609	CLA	C1A-C2A-CAA-CBA
25	o	609	CLA	C3A-C2A-CAA-CBA
25	o	613	CLA	C1A-C2A-CAA-CBA
25	o	613	CLA	C3A-C2A-CAA-CBA
25	o	613	CLA	CHA-CBD-CGD-O1D
25	o	613	CLA	CHA-CBD-CGD-O2D
25	o	613	CLA	CAD-CBD-CGD-O1D
25	o	613	CLA	CAD-CBD-CGD-O2D
25	o	613	CLA	CBD-CGD-O2D-CED
25	p	602	CLA	C1A-C2A-CAA-CBA
25	p	602	CLA	C3A-C2A-CAA-CBA
25	p	603	CLA	CBD-CGD-O2D-CED
25	p	603	CLA	O1D-CGD-O2D-CED
25	p	609	CLA	C1A-C2A-CAA-CBA
25	p	609	CLA	C3A-C2A-CAA-CBA
25	p	609	CLA	CBD-CGD-O2D-CED
25	p	609	CLA	O1D-CGD-O2D-CED
25	p	609	CLA	C1-C2-C3-C5
25	p	610	CLA	C1A-C2A-CAA-CBA
25	p	610	CLA	C3A-C2A-CAA-CBA
25	p	610	CLA	CBD-CGD-O2D-CED
25	p	612	CLA	CHA-CBD-CGD-O2D
25	p	613	CLA	C1A-C2A-CAA-CBA
25	p	613	CLA	C3A-C2A-CAA-CBA
25	p	613	CLA	CBD-CGD-O2D-CED
26	A	754	LMT	C2-C1-O1'-C1'
27	a	181	LHG	C4-O6-P-O5
27	b	181	LHG	C3-O3-P-O5
27	b	181	LHG	C4-O6-P-O3
27	b	181	LHG	C4-O6-P-O5
27	b	181	LHG	C8-C7-O7-C5
27	c	243	LHG	C1-C2-C3-O3
27	d	237	LHG	C8-C7-O7-C5
27	h	189	LHG	O2-C2-C3-O3
27	h	189	LHG	C3-O3-P-O5
27	h	189	LHG	C4-O6-P-O3
27	h	189	LHG	C4-O6-P-O5
27	h	190	LHG	C1-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
27	h	190	LHG	C8-C7-O7-C5
27	i	194	LHG	C3-O3-P-O4
27	j	198	LHG	O2-C2-C3-O3
27	j	198	LHG	C4-O6-P-O5
27	m	182	LHG	O9-C7-O7-C5
27	g	189	LHG	C3-O3-P-O5
27	g	189	LHG	C4-O6-P-O3
27	g	189	LHG	C8-C7-O7-C5
28	B	769	PQN	C12-C13-C15-C16
28	B	769	PQN	C14-C13-C15-C16
28	d	223	PQN	C16-C17-C18-C19
29	A	787	BCR	C17-C18-C19-C20
29	A	787	BCR	C36-C18-C19-C20
29	A	788	BCR	C6-C7-C8-C9
29	A	788	BCR	C7-C8-C9-C10
29	A	788	BCR	C7-C8-C9-C34
29	A	788	BCR	C12-C13-C14-C15
29	A	788	BCR	C35-C13-C14-C15
29	A	788	BCR	C14-C15-C16-C17
29	A	789	BCR	C23-C24-C25-C26
29	A	790	BCR	C7-C8-C9-C10
29	A	790	BCR	C7-C8-C9-C34
29	A	790	BCR	C21-C22-C23-C24
29	A	790	BCR	C37-C22-C23-C24
29	A	792	BCR	C7-C8-C9-C34
29	A	792	BCR	C11-C10-C9-C8
29	A	792	BCR	C11-C10-C9-C34
29	A	792	BCR	C11-C12-C13-C35
29	A	792	BCR	C12-C13-C14-C15
29	A	792	BCR	C35-C13-C14-C15
29	A	792	BCR	C16-C17-C18-C19
29	A	792	BCR	C16-C17-C18-C36
29	A	796	BCR	C23-C24-C25-C26
29	B	762	BCR	C7-C8-C9-C10
29	B	762	BCR	C7-C8-C9-C34
29	B	765	BCR	C11-C10-C9-C8
29	B	765	BCR	C11-C10-C9-C34
29	B	765	BCR	C10-C11-C12-C13
29	B	765	BCR	C36-C18-C19-C20
29	B	765	BCR	C18-C19-C20-C21
29	B	766	BCR	C11-C10-C9-C8
29	B	766	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
29	B	766	BCR	C10-C11-C12-C13
29	B	766	BCR	C21-C22-C23-C24
29	B	766	BCR	C37-C22-C23-C24
29	B	766	BCR	C22-C23-C24-C25
29	B	767	BCR	C37-C22-C23-C24
29	B	767	BCR	C23-C24-C25-C26
29	M	201	BCR	C21-C22-C23-C24
29	M	201	BCR	C37-C22-C23-C24
29	M	201	BCR	C23-C24-C25-C26
30	A	795	SQD	O5-C5-C6-S
30	A	795	SQD	C5-C6-S-O7
30	A	795	SQD	C5-C6-S-O8
30	A	795	SQD	C5-C6-S-O9
30	c	245	SQD	C2-C1-O6-C44
30	c	245	SQD	O5-C1-O6-C44
30	c	245	SQD	O6-C44-C45-O47
30	c	245	SQD	C8-C7-O47-C45
30	c	245	SQD	C5-C6-S-O7
30	c	245	SQD	C5-C6-S-O8
30	c	245	SQD	C5-C6-S-O9
30	g	190	SQD	C2-C1-O6-C44
30	g	190	SQD	O5-C1-O6-C44
30	g	190	SQD	O47-C45-C46-O48
30	g	190	SQD	O5-C5-C6-S
31	A	4002	DD6	C13-C14-C15-O1
31	A	4008	DD6	C13-C14-C15-O1
31	A	4008	DD6	C24-C25-C26-C27
31	A	4008	DD6	C5-C6-C8-C9
31	A	4008	DD6	C7-C6-C8-C9
31	F	4002	DD6	C-C1-C2-C3
31	F	4002	DD6	C24-C1-C2-C3
31	F	4002	DD6	C-C1-C24-C25
31	F	4002	DD6	C2-C1-C24-C25
31	F	4002	DD6	C25-C26-C27-C29
31	F	4002	DD6	C2-C3-C4-C5
31	F	4002	DD6	C5-C6-C8-C9
31	F	4002	DD6	C7-C6-C8-C9
31	J	4002	DD6	C13-C14-C15-O1
31	a	620	DD6	C-C1-C24-C25
31	a	620	DD6	C2-C1-C24-C25
31	a	620	DD6	C10-C11-C13-C14
31	a	620	DD6	C12-C11-C13-C14

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Mol	Chain	Res	Type	Atoms
31	c	620	DD6	C-C1-C24-C25
31	c	620	DD6	C2-C1-C24-C25
31	c	623	DD6	C-C1-C24-C25
31	c	623	DD6	C2-C1-C24-C25
31	c	624	DD6	C10-C11-C13-C14
31	c	624	DD6	C12-C11-C13-C14
31	c	624	DD6	C1-C24-C25-C26
31	c	624	DD6	C25-C26-C27-C29
31	d	620	DD6	C-C1-C24-C25
31	d	620	DD6	C2-C1-C24-C25
31	d	621	DD6	C10-C11-C13-C14
31	d	621	DD6	C12-C11-C13-C14
31	d	623	DD6	C10-C11-C13-C14
31	d	623	DD6	C13-C14-C15-O1
31	e	620	DD6	C9-C10-C11-C12
31	e	620	DD6	C9-C10-C11-C13
31	e	620	DD6	C25-C26-C27-C29
31	e	621	DD6	C-C1-C24-C25
31	e	621	DD6	C2-C1-C24-C25
31	e	621	DD6	C10-C11-C13-C14
31	e	621	DD6	C12-C11-C13-C14
31	e	623	DD6	C11-C13-C14-C15
31	e	623	DD6	C24-C25-C26-C27
31	e	623	DD6	C25-C26-C27-C28
31	e	623	DD6	C25-C26-C27-C29
31	h	620	DD6	C-C1-C24-C25
31	h	620	DD6	C2-C1-C24-C25
31	i	620	DD6	C-C1-C24-C25
31	i	620	DD6	C2-C1-C24-C25
31	i	621	DD6	C-C1-C24-C25
31	i	621	DD6	C2-C1-C24-C25
31	j	620	DD6	C-C1-C24-C25
31	j	620	DD6	C2-C1-C24-C25
31	j	621	DD6	C-C1-C24-C25
31	j	621	DD6	C2-C1-C24-C25
31	j	621	DD6	C24-C25-C26-C27
31	k	620	DD6	C-C1-C24-C25
31	k	621	DD6	C-C1-C24-C25
31	k	621	DD6	C2-C1-C24-C25
31	l	620	DD6	C10-C11-C13-C14
31	l	620	DD6	C12-C11-C13-C14
31	l	621	DD6	C-C1-C24-C25

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Mol	Chain	Res	Type	Atoms
31	l	621	DD6	C2-C1-C24-C25
31	m	620	DD6	C10-C11-C13-C14
31	m	620	DD6	C12-C11-C13-C14
31	m	621	DD6	C-C1-C24-C25
31	m	621	DD6	C2-C1-C24-C25
31	m	621	DD6	C10-C11-C13-C14
31	m	621	DD6	C12-C11-C13-C14
31	f	620	DD6	C-C1-C24-C25
31	f	620	DD6	C10-C11-C13-C14
31	f	620	DD6	C12-C11-C13-C14
31	f	621	DD6	C-C1-C24-C25
31	f	621	DD6	C2-C1-C24-C25
31	f	621	DD6	C10-C11-C13-C14
31	f	621	DD6	C12-C11-C13-C14
31	f	621	DD6	C13-C14-C15-C20
31	f	621	DD6	C13-C14-C15-O1
31	n	620	DD6	C13-C14-C15-O1
31	n	621	DD6	C12-C11-C13-C14
31	n	621	DD6	C11-C13-C14-C15
31	n	621	DD6	C1-C24-C25-C26
31	n	621	DD6	C25-C26-C27-C28
31	n	621	DD6	C25-C26-C27-C29
31	n	621	DD6	C3-C4-C5-C6
31	n	623	DD6	C1-C24-C25-C26
31	n	623	DD6	C3-C4-C5-C6
31	o	620	DD6	C-C1-C24-C25
31	o	620	DD6	C2-C1-C24-C25
31	o	620	DD6	C10-C11-C13-C14
31	o	620	DD6	C12-C11-C13-C14
31	o	621	DD6	C-C1-C24-C25
31	o	621	DD6	C2-C1-C24-C25
31	o	621	DD6	C24-C25-C26-C27
31	p	621	DD6	C-C1-C24-C25
31	p	621	DD6	C2-C1-C24-C25
33	a	182	LMG	O9-C10-O7-C8
33	a	182	LMG	C11-C10-O7-C8
33	i	195	LMG	C2-C1-O1-C7
33	i	195	LMG	O6-C1-O1-C7
34	b	182	DGD	O1B-C1B-O2G-C2G
34	b	182	DGD	O1G-C1G-C2G-O2G
34	b	182	DGD	C2D-C1D-O3G-C3G
34	b	182	DGD	O6D-C1D-O3G-C3G

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Mol	Chain	Res	Type	Atoms
35	c	607	CHL	C3C-C2C-CMC-OMC
35	d	605	CHL	C1A-C2A-CAA-CBA
35	d	605	CHL	C3A-C2A-CAA-CBA
35	d	605	CHL	C3C-C2C-CMC-OMC
35	d	605	CHL	O2A-C1-C2-C3
35	d	606	CHL	C1A-C2A-CAA-CBA
35	d	607	CHL	C1A-C2A-CAA-CBA
35	d	607	CHL	C3A-C2A-CAA-CBA
35	d	608	CHL	C1A-C2A-CAA-CBA
25	e	607	CLA	O1D-CGD-O2D-CED
25	o	614	CLA	O1D-CGD-O2D-CED
25	p	610	CLA	O1D-CGD-O2D-CED
25	A	764	CLA	O1D-CGD-O2D-CED
25	b	601	CLA	O1D-CGD-O2D-CED
25	l	614	CLA	O1D-CGD-O2D-CED
25	g	604	CLA	O1D-CGD-O2D-CED
25	n	612	CLA	O1D-CGD-O2D-CED
25	A	771	CLA	CBD-CGD-O2D-CED
25	B	746	CLA	CBD-CGD-O2D-CED
25	B	772	CLA	CBD-CGD-O2D-CED
25	B	775	CLA	CBD-CGD-O2D-CED
25	B	777	CLA	CBD-CGD-O2D-CED
25	b	601	CLA	CBD-CGD-O2D-CED
25	c	601	CLA	CBD-CGD-O2D-CED
25	c	608	CLA	CBD-CGD-O2D-CED
25	c	614	CLA	CBD-CGD-O2D-CED
25	d	603	CLA	CBD-CGD-O2D-CED
25	e	607	CLA	CBD-CGD-O2D-CED
25	e	614	CLA	CBD-CGD-O2D-CED
25	k	615	CLA	CBD-CGD-O2D-CED
25	l	602	CLA	CBD-CGD-O2D-CED
25	l	612	CLA	CBD-CGD-O2D-CED
25	l	613	CLA	CBD-CGD-O2D-CED
25	l	617	CLA	CBD-CGD-O2D-CED
25	m	602	CLA	CBD-CGD-O2D-CED
25	m	604	CLA	CBD-CGD-O2D-CED
25	m	613	CLA	CBD-CGD-O2D-CED
25	n	605	CLA	CBD-CGD-O2D-CED
25	n	608	CLA	CBD-CGD-O2D-CED
25	o	614	CLA	CBD-CGD-O2D-CED
25	p	602	CLA	CBD-CGD-O2D-CED
25	p	608	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
35	d	608	CHL	CBD-CGD-O2D-CED
25	B	758	CLA	O1A-CGA-O2A-C1
25	B	768	CLA	O1A-CGA-O2A-C1
25	c	602	CLA	O1A-CGA-O2A-C1
25	h	608	CLA	O1A-CGA-O2A-C1
25	j	608	CLA	O1A-CGA-O2A-C1
25	f	602	CLA	O1A-CGA-O2A-C1
25	a	608	CLA	O1D-CGD-O2D-CED
25	l	617	CLA	O1D-CGD-O2D-CED
25	A	778	CLA	O1D-CGD-O2D-CED
25	h	601	CLA	O1D-CGD-O2D-CED
25	m	601	CLA	O1D-CGD-O2D-CED
25	f	612	CLA	O1D-CGD-O2D-CED
25	g	612	CLA	O1D-CGD-O2D-CED
25	n	605	CLA	O1D-CGD-O2D-CED
25	n	608	CLA	O1D-CGD-O2D-CED
25	o	601	CLA	O1D-CGD-O2D-CED
25	p	613	CLA	O1D-CGD-O2D-CED
25	A	761	CLA	CBA-CGA-O2A-C1
25	a	608	CLA	CBA-CGA-O2A-C1
25	i	602	CLA	CBA-CGA-O2A-C1
25	f	602	CLA	CBA-CGA-O2A-C1
25	A	757	CLA	CBD-CGD-O2D-CED
25	A	778	CLA	CBD-CGD-O2D-CED
25	A	783	CLA	CBD-CGD-O2D-CED
25	A	803	CLA	CBD-CGD-O2D-CED
25	B	756	CLA	CBD-CGD-O2D-CED
25	B	771	CLA	CBD-CGD-O2D-CED
25	B	780	CLA	CBD-CGD-O2D-CED
25	a	602	CLA	CBD-CGD-O2D-CED
25	j	613	CLA	CBD-CGD-O2D-CED
25	f	615	CLA	CBD-CGD-O2D-CED
25	n	603	CLA	CBD-CGD-O2D-CED
25	n	606	CLA	CBD-CGD-O2D-CED
25	p	604	CLA	CBD-CGD-O2D-CED
25	A	760	CLA	O1A-CGA-O2A-C1
25	A	761	CLA	O1A-CGA-O2A-C1
25	A	803	CLA	O1A-CGA-O2A-C1
25	A	808	CLA	O1A-CGA-O2A-C1
25	B	738	CLA	O1A-CGA-O2A-C1
25	B	752	CLA	O1A-CGA-O2A-C1
25	B	770	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
25	a	608	CLA	O1A-CGA-O2A-C1
25	j	618	CLA	O1A-CGA-O2A-C1
25	k	618	CLA	O1A-CGA-O2A-C1
25	f	610	CLA	O1A-CGA-O2A-C1
25	o	602	CLA	O1A-CGA-O2A-C1
27	b	181	LHG	O10-C23-O8-C6
27	c	243	LHG	O10-C23-O8-C6
27	m	182	LHG	O10-C23-O8-C6
27	g	189	LHG	O10-C23-O8-C6
33	a	182	LMG	O10-C28-O8-C9
25	c	608	CLA	O1D-CGD-O2D-CED
25	d	613	CLA	O1D-CGD-O2D-CED
25	A	801	CLA	C15-C16-C17-C18
25	f	615	CLA	C2A-CAA-CBA-CGA
25	c	612	CLA	CBD-CGD-O2D-CED
25	g	614	CLA	CBD-CGD-O2D-CED
25	n	613	CLA	CBD-CGD-O2D-CED
25	p	612	CLA	CBD-CGD-O2D-CED
25	B	780	CLA	O1D-CGD-O2D-CED
25	m	613	CLA	O1D-CGD-O2D-CED
27	d	237	LHG	O9-C7-O7-C5
27	h	189	LHG	O9-C7-O7-C5
27	h	190	LHG	O9-C7-O7-C5
27	g	189	LHG	O9-C7-O7-C5
30	c	245	SQD	O49-C7-O47-C45
34	e	205	DGD	O1B-C1B-O2G-C2G
25	d	610	CLA	C3-C5-C6-C7
25	j	610	CLA	C3-C5-C6-C7
25	k	610	CLA	C3-C5-C6-C7
25	g	610	CLA	C3-C5-C6-C7
28	d	223	PQN	C13-C15-C16-C17
25	A	760	CLA	CBA-CGA-O2A-C1
25	A	801	CLA	CBA-CGA-O2A-C1
25	A	803	CLA	CBA-CGA-O2A-C1
25	B	745	CLA	CBA-CGA-O2A-C1
25	B	768	CLA	CBA-CGA-O2A-C1
25	B	770	CLA	CBA-CGA-O2A-C1
25	c	602	CLA	CBA-CGA-O2A-C1
25	j	618	CLA	CBA-CGA-O2A-C1
27	c	243	LHG	C24-C23-O8-C6
27	g	189	LHG	C24-C23-O8-C6
33	a	182	LMG	C29-C28-O8-C9

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Mol	Chain	Res	Type	Atoms
27	h	189	LHG	C8-C7-O7-C5
27	m	182	LHG	C8-C7-O7-C5
34	b	182	DGD	C2B-C1B-O2G-C2G
34	e	205	DGD	C2B-C1B-O2G-C2G
25	o	613	CLA	O1D-CGD-O2D-CED
25	d	612	CLA	CBD-CGD-O2D-CED
25	f	613	CLA	CBD-CGD-O2D-CED
25	A	755	CLA	C4-C3-C5-C6
25	a	610	CLA	C4-C3-C5-C6
25	b	602	CLA	C4-C3-C5-C6
25	h	602	CLA	C4-C3-C5-C6
25	A	775	CLA	C2-C3-C5-C6
25	a	610	CLA	C2-C3-C5-C6
25	h	602	CLA	C2-C3-C5-C6
25	k	610	CLA	C2-C3-C5-C6
25	A	768	CLA	CBD-CGD-O2D-CED
35	d	606	CHL	CBD-CGD-O2D-CED
25	A	763	CLA	C2A-CAA-CBA-CGA
25	A	776	CLA	C2A-CAA-CBA-CGA
25	a	608	CLA	C2A-CAA-CBA-CGA
25	c	609	CLA	C2A-CAA-CBA-CGA
25	h	609	CLA	C2A-CAA-CBA-CGA
25	h	610	CLA	C2A-CAA-CBA-CGA
25	i	615	CLA	C2A-CAA-CBA-CGA
25	j	604	CLA	C2A-CAA-CBA-CGA
25	k	610	CLA	C2A-CAA-CBA-CGA
25	l	610	CLA	C2A-CAA-CBA-CGA
25	m	603	CLA	C2A-CAA-CBA-CGA
25	f	602	CLA	C2A-CAA-CBA-CGA
35	e	606	CHL	C2A-CAA-CBA-CGA
25	j	609	CLA	O1A-CGA-O2A-C1
25	A	772	CLA	C3-C5-C6-C7
25	A	808	CLA	C3-C5-C6-C7
25	B	741	CLA	C3-C5-C6-C7
25	k	602	CLA	C3-C5-C6-C7
25	n	603	CLA	C3-C5-C6-C7
28	B	761	PQN	C13-C15-C16-C17
25	c	606	CLA	C2A-CAA-CBA-CGA
25	j	615	CLA	C2A-CAA-CBA-CGA
25	o	614	CLA	C2A-CAA-CBA-CGA
25	p	613	CLA	C2A-CAA-CBA-CGA
25	A	753	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
25	A	808	CLA	CBA-CGA-O2A-C1
25	B	738	CLA	CBA-CGA-O2A-C1
25	B	752	CLA	CBA-CGA-O2A-C1
25	B	758	CLA	CBA-CGA-O2A-C1
25	B	773	CLA	CBA-CGA-O2A-C1
25	d	610	CLA	CBA-CGA-O2A-C1
25	h	608	CLA	CBA-CGA-O2A-C1
25	i	608	CLA	CBA-CGA-O2A-C1
25	j	609	CLA	CBA-CGA-O2A-C1
25	k	604	CLA	CBA-CGA-O2A-C1
25	k	613	CLA	CBA-CGA-O2A-C1
25	f	610	CLA	CBA-CGA-O2A-C1
25	o	602	CLA	CBA-CGA-O2A-C1
25	p	609	CLA	CBA-CGA-O2A-C1
27	b	181	LHG	C24-C23-O8-C6
27	m	182	LHG	C24-C23-O8-C6
33	k	179	LMG	C29-C28-O8-C9
25	A	765	CLA	C1-C2-C3-C5
25	A	791	CLA	C1-C2-C3-C5
25	B	757	CLA	C1-C2-C3-C5
25	B	758	CLA	C1-C2-C3-C5
25	B	777	CLA	C1-C2-C3-C5
25	b	612	CLA	C1-C2-C3-C5
25	d	604	CLA	C1-C2-C3-C5
25	h	602	CLA	C1-C2-C3-C5
25	h	604	CLA	C1-C2-C3-C5
25	h	613	CLA	C1-C2-C3-C5
25	B	737	CLA	O1D-CGD-O2D-CED
25	B	772	CLA	O1D-CGD-O2D-CED
25	d	603	CLA	O1D-CGD-O2D-CED
25	l	613	CLA	O1D-CGD-O2D-CED
25	f	609	CLA	O1D-CGD-O2D-CED
35	d	606	CHL	O1D-CGD-O2D-CED
27	b	181	LHG	O9-C7-O7-C5
25	A	753	CLA	O1A-CGA-O2A-C1
25	A	799	CLA	O1A-CGA-O2A-C1
25	B	745	CLA	O1A-CGA-O2A-C1
25	c	610	CLA	O1A-CGA-O2A-C1
25	d	610	CLA	O1A-CGA-O2A-C1
25	k	602	CLA	O1A-CGA-O2A-C1
25	p	609	CLA	O1A-CGA-O2A-C1
31	A	4008	DD6	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
31	n	621	DD6	C1-C2-C3-C4
31	p	621	DD6	C24-C25-C26-C27
25	A	763	CLA	CBD-CGD-O2D-CED
25	A	780	CLA	CBD-CGD-O2D-CED
25	A	784	CLA	CBD-CGD-O2D-CED
25	B	739	CLA	CBD-CGD-O2D-CED
25	B	751	CLA	CBD-CGD-O2D-CED
25	B	753	CLA	CBD-CGD-O2D-CED
25	B	754	CLA	CBD-CGD-O2D-CED
25	b	603	CLA	CBD-CGD-O2D-CED
25	c	602	CLA	CBD-CGD-O2D-CED
25	c	603	CLA	CBD-CGD-O2D-CED
25	e	608	CLA	CBD-CGD-O2D-CED
25	h	601	CLA	CBD-CGD-O2D-CED
25	k	601	CLA	CBD-CGD-O2D-CED
25	k	603	CLA	CBD-CGD-O2D-CED
25	l	601	CLA	CBD-CGD-O2D-CED
25	m	612	CLA	CBD-CGD-O2D-CED
25	p	601	CLA	CBD-CGD-O2D-CED
25	j	613	CLA	O1D-CGD-O2D-CED
27	c	243	LHG	O2-C2-C3-O3
27	i	194	LHG	O2-C2-C3-O3
25	A	780	CLA	C3-C5-C6-C7
25	A	791	CLA	C3-C5-C6-C7
25	B	773	CLA	O1A-CGA-O2A-C1
25	e	610	CLA	O1A-CGA-O2A-C1
25	e	604	CLA	O1D-CGD-O2D-CED
30	A	795	SQD	C8-C7-O47-C45
25	A	775	CLA	CBD-CGD-O2D-CED
25	A	799	CLA	CBD-CGD-O2D-CED
25	B	782	CLA	CBD-CGD-O2D-CED
25	b	611	CLA	CBD-CGD-O2D-CED
25	i	602	CLA	CBD-CGD-O2D-CED
25	j	611	CLA	CBD-CGD-O2D-CED
25	m	603	CLA	CBD-CGD-O2D-CED
25	o	603	CLA	CBD-CGD-O2D-CED
25	h	603	CLA	C2A-CAA-CBA-CGA
25	a	610	CLA	O1A-CGA-O2A-C1
25	i	601	CLA	O1A-CGA-O2A-C1
25	i	608	CLA	O1A-CGA-O2A-C1
25	n	602	CLA	O1A-CGA-O2A-C1
33	B	786	LMG	O6-C5-C6-O5

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Mol	Chain	Res	Type	Atoms
25	A	768	CLA	O1D-CGD-O2D-CED
25	i	612	CLA	CBD-CGD-O2D-CED
25	n	609	CLA	CBD-CGD-O2D-CED
25	A	755	CLA	C3-C5-C6-C7
25	A	766	CLA	C3-C5-C6-C7
25	k	618	CLA	CBA-CGA-O2A-C1
25	n	606	CLA	O1D-CGD-O2D-CED
27	g	189	LHG	C5-C4-O6-P
25	J	101	CLA	O1A-CGA-O2A-C1
25	k	604	CLA	O1A-CGA-O2A-C1
25	l	610	CLA	O1A-CGA-O2A-C1
25	g	602	CLA	O1A-CGA-O2A-C1
25	g	610	CLA	O1A-CGA-O2A-C1
33	k	179	LMG	O10-C28-O8-C9
25	B	756	CLA	C5-C6-C7-C8
25	A	766	CLA	C4-C3-C5-C6
25	A	775	CLA	C4-C3-C5-C6
25	B	780	CLA	C4-C3-C5-C6
25	b	612	CLA	C4-C3-C5-C6
25	e	602	CLA	C4-C3-C5-C6
25	A	755	CLA	C2-C3-C5-C6
25	A	765	CLA	C2-C3-C5-C6
25	A	766	CLA	C2-C3-C5-C6
25	A	773	CLA	C2-C3-C5-C6
25	A	784	CLA	C2-C3-C5-C6
25	B	739	CLA	C2-C3-C5-C6
25	B	748	CLA	C2-C3-C5-C6
25	B	780	CLA	C2-C3-C5-C6
25	h	613	CLA	C2-C3-C5-C6
25	j	610	CLA	C2-C3-C5-C6
25	d	601	CLA	CBD-CGD-O2D-CED
34	e	205	DGD	O1A-C1A-O1G-C1G
25	A	771	CLA	C2A-CAA-CBA-CGA
25	B	773	CLA	C2A-CAA-CBA-CGA
25	a	611	CLA	C2A-CAA-CBA-CGA
25	i	610	CLA	C2A-CAA-CBA-CGA
25	j	610	CLA	C2A-CAA-CBA-CGA
34	B	787	DGD	O6E-C5E-C6E-O5E
25	A	764	CLA	O1A-CGA-O2A-C1
25	B	775	CLA	O1A-CGA-O2A-C1
34	B	787	DGD	O6D-C1D-O3G-C3G
25	h	612	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
25	g	613	CLA	CBA-CGA-O2A-C1
25	B	760	CLA	O1D-CGD-O2D-CED
25	c	613	CLA	O1D-CGD-O2D-CED
25	f	614	CLA	O1D-CGD-O2D-CED
25	A	781	CLA	C1-C2-C3-C5
25	B	739	CLA	C1-C2-C3-C5
25	e	609	CLA	C1-C2-C3-C5
25	l	609	CLA	C1-C2-C3-C5
25	f	610	CLA	C1-C2-C3-C5
27	b	181	LHG	C25-C26-C27-C28
25	b	613	CLA	O1D-CGD-O2D-CED
25	c	619	CLA	O1D-CGD-O2D-CED
25	g	602	CLA	O1D-CGD-O2D-CED
27	h	189	LHG	C24-C23-O8-C6
34	e	205	DGD	C2A-C1A-O1G-C1G
25	A	752	CLA	CBD-CGD-O2D-CED
25	d	614	CLA	O1D-CGD-O2D-CED
27	A	786	LHG	C1-C2-C3-O3
27	h	189	LHG	C1-C2-C3-O3
27	i	194	LHG	C1-C2-C3-O3
27	g	189	LHG	C1-C2-C3-O3
25	i	601	CLA	O1D-CGD-O2D-CED
25	A	752	CLA	CBA-CGA-O2A-C1
25	A	777	CLA	CBA-CGA-O2A-C1
25	A	794	CLA	CBA-CGA-O2A-C1
25	A	799	CLA	CBA-CGA-O2A-C1
25	B	755	CLA	CBA-CGA-O2A-C1
25	B	778	CLA	CBA-CGA-O2A-C1
25	c	610	CLA	CBA-CGA-O2A-C1
25	e	610	CLA	CBA-CGA-O2A-C1
25	i	601	CLA	CBA-CGA-O2A-C1
25	j	612	CLA	CBA-CGA-O2A-C1
25	k	602	CLA	CBA-CGA-O2A-C1
25	l	610	CLA	CBA-CGA-O2A-C1
25	g	602	CLA	CBA-CGA-O2A-C1
25	g	610	CLA	CBA-CGA-O2A-C1
34	B	787	DGD	C2A-C1A-O1G-C1G
34	b	182	DGD	C2A-C1A-O1G-C1G
25	A	784	CLA	C10-C11-C12-C13
25	B	760	CLA	CBD-CGD-O2D-CED
25	c	609	CLA	CBD-CGD-O2D-CED
25	d	602	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
25	g	601	CLA	CBD-CGD-O2D-CED
25	f	610	CLA	O1D-CGD-O2D-CED
31	c	624	DD6	C3-C4-C5-C6
31	n	621	DD6	C11-C10-C9-C8
31	n	623	DD6	C1-C2-C3-C4
25	A	752	CLA	C15-C16-C17-C18
33	a	182	LMG	O6-C5-C6-O5
25	B	778	CLA	O1A-CGA-O2A-C1
34	B	787	DGD	C4E-C5E-C6E-O5E
25	A	761	CLA	C8-C10-C11-C12
25	B	755	CLA	C5-C6-C7-C8
25	a	613	CLA	C5-C6-C7-C8
25	i	608	CLA	C8-C10-C11-C12
25	n	603	CLA	C5-C6-C7-C8
27	h	190	LHG	O2-C2-C3-O3
30	A	795	SQD	C2-C1-O6-C44
34	B	787	DGD	C2D-C1D-O3G-C3G
25	A	781	CLA	O1A-CGA-O2A-C1
25	A	777	CLA	C4-C3-C5-C6
33	B	786	LMG	C4-C5-C6-O5
25	i	610	CLA	C2-C3-C5-C6
25	f	602	CLA	C2-C3-C5-C6
25	A	759	CLA	C6-C7-C8-C9
25	A	760	CLA	C11-C10-C8-C9
25	A	764	CLA	C11-C10-C8-C9
25	A	775	CLA	C11-C10-C8-C9
25	A	780	CLA	C11-C10-C8-C9
25	A	784	CLA	C11-C12-C13-C14
25	B	738	CLA	C11-C10-C8-C9
25	B	741	CLA	C11-C12-C13-C14
25	B	752	CLA	C14-C13-C15-C16
25	B	753	CLA	C11-C10-C8-C9
25	B	753	CLA	C11-C12-C13-C14
25	B	755	CLA	C11-C10-C8-C9
25	B	774	CLA	C11-C10-C8-C9
25	B	776	CLA	C11-C10-C8-C9
25	B	778	CLA	C11-C10-C8-C9
25	c	602	CLA	C6-C7-C8-C9
25	c	602	CLA	C11-C10-C8-C9
25	d	610	CLA	C11-C10-C8-C9
25	j	613	CLA	C6-C7-C8-C9
25	l	609	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
25	f	602	CLA	C6-C7-C8-C9
28	A	785	PQN	C16-C17-C18-C19
25	A	782	CLA	O1D-CGD-O2D-CED
25	B	785	CLA	O1D-CGD-O2D-CED
25	j	601	CLA	O1D-CGD-O2D-CED
25	p	608	CLA	O1D-CGD-O2D-CED
35	d	608	CHL	O1D-CGD-O2D-CED
25	B	743	CLA	CBD-CGD-O2D-CED
27	h	189	LHG	C10-C11-C12-C13
25	B	770	CLA	C2A-CAA-CBA-CGA
25	i	601	CLA	C2A-CAA-CBA-CGA
29	A	790	BCR	C36-C18-C19-C20
29	A	796	BCR	C11-C12-C13-C35
29	B	762	BCR	C37-C22-C23-C24
29	B	766	BCR	C36-C18-C19-C20
31	A	4002	DD6	C12-C11-C13-C14
31	A	4008	DD6	C-C1-C24-C25
31	b	620	DD6	C-C1-C24-C25
31	b	620	DD6	C12-C11-C13-C14
31	c	623	DD6	C12-C11-C13-C14
31	c	623	DD6	C7-C6-C8-C9
31	c	624	DD6	C-C1-C24-C25
31	c	624	DD6	C7-C6-C8-C9
31	d	623	DD6	C12-C11-C13-C14
31	g	620	DD6	C12-C11-C13-C14
31	g	621	DD6	C-C1-C24-C25
29	A	792	BCR	C7-C8-C9-C10
29	A	792	BCR	C11-C12-C13-C14
29	A	796	BCR	C11-C12-C13-C14
29	B	765	BCR	C17-C18-C19-C20
29	B	766	BCR	C17-C18-C19-C20
31	A	4008	DD6	C2-C1-C24-C25
31	A	4008	DD6	C10-C11-C13-C14
31	c	623	DD6	C10-C11-C13-C14
31	c	623	DD6	C5-C6-C8-C9
31	c	624	DD6	C5-C6-C8-C9
31	e	623	DD6	C5-C6-C8-C9
31	n	620	DD6	C10-C11-C13-C14
25	f	613	CLA	O1D-CGD-O2D-CED
27	c	243	LHG	C7-C8-C9-C10
27	h	190	LHG	C7-C8-C9-C10
25	h	602	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
25	i	610	CLA	O1A-CGA-O2A-C1
25	A	763	CLA	C15-C16-C17-C18
25	A	776	CLA	C13-C15-C16-C17
25	A	791	CLA	C10-C11-C12-C13
25	B	778	CLA	C8-C10-C11-C12
25	k	604	CLA	C10-C11-C12-C13
28	B	761	PQN	C25-C26-C27-C28
28	B	769	PQN	C15-C16-C17-C18
25	A	779	CLA	O1D-CGD-O2D-CED
25	B	746	CLA	O1D-CGD-O2D-CED
25	h	618	CLA	O1D-CGD-O2D-CED
33	a	182	LMG	C29-C30-C31-C32
25	e	604	CLA	CBD-CGD-O2D-CED
25	A	761	CLA	C3-C5-C6-C7
25	i	612	CLA	C2A-CAA-CBA-CGA
25	p	602	CLA	C2A-CAA-CBA-CGA
25	B	772	CLA	CBA-CGA-O2A-C1
25	J	101	CLA	CBA-CGA-O2A-C1
25	a	610	CLA	CBA-CGA-O2A-C1
25	n	602	CLA	CBA-CGA-O2A-C1
27	d	237	LHG	C24-C23-O8-C6
25	B	753	CLA	C5-C6-C7-C8
25	B	758	CLA	C15-C16-C17-C18
28	A	785	PQN	C25-C26-C27-C28
25	A	755	CLA	C10-C11-C12-C13
25	A	761	CLA	C15-C16-C17-C18
25	A	763	CLA	C13-C15-C16-C17
25	A	766	CLA	C8-C10-C11-C12
25	A	772	CLA	C5-C6-C7-C8
25	B	784	CLA	C13-C15-C16-C17
25	c	610	CLA	C5-C6-C7-C8
25	e	602	CLA	C5-C6-C7-C8
25	i	602	CLA	C10-C11-C12-C13
25	k	604	CLA	C15-C16-C17-C18
25	i	613	CLA	C1-C2-C3-C5
27	g	189	LHG	C7-C8-C9-C10
30	c	245	SQD	C23-C24-C25-C26
33	i	195	LMG	C28-C29-C30-C31
25	h	615	CLA	CBD-CGD-O2D-CED
25	A	769	CLA	C10-C11-C12-C13
25	B	778	CLA	C10-C11-C12-C13
25	A	800	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
25	f	604	CLA	O1D-CGD-O2D-CED
30	A	795	SQD	O49-C7-O47-C45
25	A	752	CLA	C8-C10-C11-C12
25	B	748	CLA	C5-C6-C7-C8
25	B	779	CLA	C15-C16-C17-C18
25	B	784	CLA	C15-C16-C17-C18
25	A	767	CLA	C2A-CAA-CBA-CGA
25	b	603	CLA	C2A-CAA-CBA-CGA
25	c	610	CLA	C4-C3-C5-C6
25	A	752	CLA	C11-C12-C13-C15
25	A	758	CLA	C11-C10-C8-C7
25	A	769	CLA	C11-C10-C8-C7
25	A	774	CLA	C11-C10-C8-C7
25	A	774	CLA	C11-C12-C13-C15
25	B	750	CLA	C11-C10-C8-C7
25	B	756	CLA	C11-C10-C8-C7
25	B	778	CLA	C11-C10-C8-C7
25	a	619	CLA	C11-C10-C8-C7
25	h	604	CLA	C11-C10-C8-C7
25	j	610	CLA	C11-C12-C13-C15
25	k	604	CLA	C12-C13-C15-C16
25	f	602	CLA	C11-C10-C8-C7
25	B	737	CLA	C3-C5-C6-C7
28	B	769	PQN	C13-C15-C16-C17
25	A	777	CLA	O1A-CGA-O2A-C1
25	j	612	CLA	O1A-CGA-O2A-C1
34	B	787	DGD	O1A-C1A-O1G-C1G
29	B	766	BCR	C19-C20-C21-C22
31	c	624	DD6	C11-C10-C9-C8
31	e	621	DD6	C24-C25-C26-C27
31	e	623	DD6	C3-C4-C5-C6
25	A	761	CLA	C2A-CAA-CBA-CGA
25	A	808	CLA	C2A-CAA-CBA-CGA
25	B	750	CLA	C2A-CAA-CBA-CGA
25	B	755	CLA	C2A-CAA-CBA-CGA
25	e	613	CLA	C2A-CAA-CBA-CGA
25	f	610	CLA	C2A-CAA-CBA-CGA
25	A	780	CLA	O1D-CGD-O2D-CED
25	A	798	CLA	O1D-CGD-O2D-CED
25	e	614	CLA	O1D-CGD-O2D-CED
25	h	603	CLA	O1D-CGD-O2D-CED
25	A	777	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
25	B	753	CLA	C10-C11-C12-C13
25	j	613	CLA	C5-C6-C7-C8
25	A	801	CLA	O1A-CGA-O2A-C1
25	k	613	CLA	O1A-CGA-O2A-C1
25	A	804	CLA	CBD-CGD-O2D-CED
25	B	785	CLA	CBD-CGD-O2D-CED
25	e	611	CLA	CBD-CGD-O2D-CED
33	a	182	LMG	C4-C5-C6-O5
33	a	182	LMG	O6-C1-O1-C7
34	b	182	DGD	O6E-C1E-O5D-C6D
25	A	777	CLA	C13-C15-C16-C17
25	B	745	CLA	C8-C10-C11-C12
25	B	784	CLA	C8-C10-C11-C12
25	h	614	CLA	O1D-CGD-O2D-CED
29	B	766	BCR	C18-C19-C20-C21
31	F	4002	DD6	C1-C24-C25-C26
31	F	4002	DD6	C6-C8-C9-C10
31	e	620	DD6	C1-C24-C25-C26
31	e	620	DD6	C6-C8-C9-C10
31	e	623	DD6	C1-C24-C25-C26
31	e	623	DD6	C6-C8-C9-C10
27	d	237	LHG	C10-C11-C12-C13
27	A	786	LHG	O2-C2-C3-O3
27	m	182	LHG	O2-C2-C3-O3
27	g	189	LHG	O2-C2-C3-O3
25	A	765	CLA	C3-C5-C6-C7
25	B	744	CLA	C2A-CAA-CBA-CGA
25	p	604	CLA	C2A-CAA-CBA-CGA
25	B	738	CLA	C10-C11-C12-C13
25	B	741	CLA	C8-C10-C11-C12
25	B	752	CLA	C8-C10-C11-C12
25	B	784	CLA	C5-C6-C7-C8
25	m	602	CLA	C10-C11-C12-C13
25	i	603	CLA	O1D-CGD-O2D-CED
25	A	783	CLA	O1A-CGA-O2A-C1
25	k	610	CLA	O1A-CGA-O2A-C1
27	d	237	LHG	O10-C23-O8-C6
34	b	182	DGD	O1A-C1A-O1G-C1G
27	d	237	LHG	C7-C8-C9-C10
25	B	757	CLA	C8-C10-C11-C12
25	B	773	CLA	C10-C11-C12-C13
25	B	779	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
25	l	609	CLA	C5-C6-C7-C8
28	B	761	PQN	C20-C21-C22-C23
25	B	757	CLA	O1D-CGD-O2D-CED
25	A	773	CLA	O1A-CGA-O2A-C1
25	B	758	CLA	C5-C6-C7-C8
25	B	779	CLA	C10-C11-C12-C13
25	i	613	CLA	C8-C10-C11-C12
25	m	602	CLA	C5-C6-C7-C8
27	A	756	LHG	C4-O6-P-O3
27	a	181	LHG	C4-O6-P-O3
27	b	181	LHG	C3-O3-P-O6
27	h	189	LHG	C3-O3-P-O6
27	i	194	LHG	C3-O3-P-O6
27	j	198	LHG	C4-O6-P-O3
27	m	182	LHG	C3-O3-P-O6
27	g	189	LHG	C3-O3-P-O6
25	B	779	CLA	C3-C5-C6-C7
25	c	613	CLA	C3-C5-C6-C7
25	A	765	CLA	CBA-CGA-O2A-C1
25	A	797	CLA	CBA-CGA-O2A-C1
25	B	775	CLA	CBA-CGA-O2A-C1
25	e	602	CLA	CBA-CGA-O2A-C1
25	i	610	CLA	CBA-CGA-O2A-C1
25	A	766	CLA	O1D-CGD-O2D-CED
25	B	741	CLA	C10-C11-C12-C13
25	e	608	CLA	O2A-C1-C2-C3
25	o	609	CLA	O1D-CGD-O2D-CED
25	i	603	CLA	C2A-CAA-CBA-CGA
25	i	604	CLA	C2A-CAA-CBA-CGA
25	g	604	CLA	C2A-CAA-CBA-CGA
25	h	615	CLA	O1D-CGD-O2D-CED
25	o	612	CLA	O1D-CGD-O2D-CED
27	j	198	LHG	C1-C2-C3-O3
27	m	182	LHG	C1-C2-C3-O3
25	k	610	CLA	C4-C3-C5-C6
25	g	602	CLA	C4-C3-C5-C6
25	l	609	CLA	C10-C11-C12-C13
27	A	756	LHG	C34-C35-C36-C37
25	A	803	CLA	C2A-CAA-CBA-CGA
25	B	774	CLA	C2A-CAA-CBA-CGA
25	J	101	CLA	C2A-CAA-CBA-CGA
25	c	610	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
25	h	601	CLA	C2A-CAA-CBA-CGA
35	c	607	CHL	C2A-CAA-CBA-CGA
25	A	769	CLA	C16-C17-C18-C19
25	A	764	CLA	CBA-CGA-O2A-C1
31	e	620	DD6	C25-C26-C27-C28
31	c	624	DD6	C1-C2-C3-C4
31	e	623	DD6	C1-C2-C3-C4
27	b	181	LHG	C26-C27-C28-C29
27	h	190	LHG	C10-C11-C12-C13
25	k	615	CLA	O1D-CGD-O2D-CED
25	h	611	CLA	CBD-CGD-O2D-CED
29	A	788	BCR	C11-C10-C9-C34
29	B	766	BCR	C35-C13-C14-C15
31	F	4002	DD6	C9-C10-C11-C12
31	e	623	DD6	C4-C5-C6-C7
31	n	621	DD6	C9-C10-C11-C12
31	n	621	DD6	C4-C5-C6-C7
31	n	623	DD6	C4-C5-C6-C7
25	o	603	CLA	C2A-CAA-CBA-CGA
25	i	602	CLA	C15-C16-C17-C18
25	f	613	CLA	C10-C11-C12-C13
27	A	756	LHG	C26-C27-C28-C29
33	i	195	LMG	C34-C35-C36-C37
25	p	602	CLA	O1D-CGD-O2D-CED
25	A	801	CLA	C16-C17-C18-C20
25	A	805	CLA	C6-C7-C8-C9
25	a	613	CLA	C6-C7-C8-C9
25	g	613	CLA	C6-C7-C8-C9
25	A	781	CLA	CBA-CGA-O2A-C1
25	d	609	CLA	CBA-CGA-O2A-C1
27	h	189	LHG	O10-C23-O8-C6
27	i	194	LHG	C26-C27-C28-C29
27	j	198	LHG	C28-C29-C30-C31
27	g	189	LHG	C10-C11-C12-C13
25	m	604	CLA	O1D-CGD-O2D-CED
25	B	772	CLA	C1-C2-C3-C5
25	J	101	CLA	C1-C2-C3-C5
25	h	609	CLA	C1-C2-C3-C5
25	j	611	CLA	C1-C2-C3-C4
25	j	618	CLA	C1-C2-C3-C4
25	p	609	CLA	C1-C2-C3-C4
25	B	750	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
25	a	610	CLA	C5-C6-C7-C8
33	B	786	LMG	C31-C32-C33-C34
25	g	613	CLA	O1A-CGA-O2A-C1
25	h	610	CLA	C5-C6-C7-C8
27	g	189	LHG	C9-C10-C11-C12
30	c	245	SQD	C12-C13-C14-C15
33	B	786	LMG	C41-C42-C43-C44
25	e	602	CLA	O1D-CGD-O2D-CED
25	B	745	CLA	C10-C11-C12-C13
25	B	776	CLA	C3-C5-C6-C7
28	A	785	PQN	C13-C15-C16-C17
25	c	609	CLA	O1D-CGD-O2D-CED
25	l	612	CLA	O1D-CGD-O2D-CED
26	A	754	LMT	C2'-C1'-O1'-C1
29	A	788	BCR	C11-C10-C9-C8
29	B	766	BCR	C12-C13-C14-C15
31	F	4002	DD6	C9-C10-C11-C13
31	e	623	DD6	C4-C5-C6-C8
31	n	621	DD6	C9-C10-C11-C13
31	n	621	DD6	C4-C5-C6-C8
31	n	623	DD6	C4-C5-C6-C8
33	a	182	LMG	C2-C1-O1-C7
33	k	179	LMG	C2-C1-O1-C7
34	b	182	DGD	C2E-C1E-O5D-C6D
27	j	198	LHG	C24-C23-O8-C6
25	B	776	CLA	C10-C11-C12-C13
30	j	200	SQD	C24-C25-C26-C27
33	i	195	LMG	C12-C13-C14-C15
33	k	179	LMG	C30-C31-C32-C33
25	A	799	CLA	C10-C11-C12-C13
25	j	604	CLA	C5-C6-C7-C8
25	f	613	CLA	C8-C10-C11-C12
25	h	609	CLA	O1A-CGA-O2A-C1
25	j	610	CLA	O1A-CGA-O2A-C1
25	B	758	CLA	C16-C17-C18-C20
25	B	779	CLA	C16-C17-C18-C20
25	g	613	CLA	C6-C7-C8-C10
25	A	783	CLA	O1D-CGD-O2D-CED
34	b	182	DGD	C3A-C4A-C5A-C6A
25	a	613	CLA	C2-C3-C5-C6
25	A	752	CLA	C11-C12-C13-C14
25	A	758	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
25	A	760	CLA	C6-C7-C8-C9
25	B	758	CLA	C6-C7-C8-C9
25	B	758	CLA	C11-C12-C13-C14
25	h	604	CLA	C11-C10-C8-C9
25	e	601	CLA	O1D-CGD-O2D-CED
25	k	603	CLA	O1D-CGD-O2D-CED
25	m	612	CLA	C2A-CAA-CBA-CGA
30	j	200	SQD	C23-C24-C25-C26
25	j	610	CLA	C15-C16-C17-C18
27	A	756	LHG	C28-C29-C30-C31
27	h	189	LHG	C9-C10-C11-C12
27	i	194	LHG	C11-C12-C13-C14
30	c	245	SQD	C11-C12-C13-C14
34	b	182	DGD	C4B-C5B-C6B-C7B
25	j	610	CLA	C10-C11-C12-C13
25	A	775	CLA	C2A-CAA-CBA-CGA
35	d	605	CHL	C2A-CAA-CBA-CGA
29	A	789	BCR	C37-C22-C23-C24
31	A	4008	DD6	C12-C11-C13-C14
31	e	623	DD6	C7-C6-C8-C9
31	n	620	DD6	C12-C11-C13-C14
27	b	181	LHG	O1-C1-C2-C3
27	j	198	LHG	O1-C1-C2-C3
29	A	789	BCR	C21-C22-C23-C24
29	B	767	BCR	C21-C22-C23-C24
31	A	4002	DD6	C10-C11-C13-C14
31	k	620	DD6	C2-C1-C24-C25
31	f	620	DD6	C2-C1-C24-C25
31	n	621	DD6	C10-C11-C13-C14
25	B	780	CLA	C3-C5-C6-C7
25	h	613	CLA	C3-C5-C6-C7
25	j	604	CLA	C3-C5-C6-C7
25	B	752	CLA	C5-C6-C7-C8
25	a	601	CLA	CBA-CGA-O2A-C1
25	A	761	CLA	O1D-CGD-O2D-CED
25	b	603	CLA	O1D-CGD-O2D-CED
25	f	602	CLA	C10-C11-C12-C13
27	A	756	LHG	C30-C31-C32-C33
27	b	181	LHG	C28-C29-C30-C31
27	i	194	LHG	C9-C10-C11-C12
27	j	198	LHG	C9-C10-C11-C12
30	j	200	SQD	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
25	A	760	CLA	C16-C17-C18-C19
25	A	760	CLA	C16-C17-C18-C20
25	A	801	CLA	C16-C17-C18-C19
25	A	805	CLA	C6-C7-C8-C10
25	B	779	CLA	C16-C17-C18-C19
25	B	781	CLA	C16-C17-C18-C20
25	e	602	CLA	C16-C17-C18-C19
25	e	602	CLA	C16-C17-C18-C20
25	k	604	CLA	C16-C17-C18-C19
25	k	604	CLA	C16-C17-C18-C20
25	g	610	CLA	C6-C7-C8-C9
25	g	610	CLA	C6-C7-C8-C10
26	A	754	LMT	O5'-C1'-O1'-C1
33	k	179	LMG	O6-C1-O1-C7
25	B	753	CLA	C15-C16-C17-C18
25	B	784	CLA	C10-C11-C12-C13
27	A	756	LHG	C24-C25-C26-C27
25	B	745	CLA	CBD-CGD-O2D-CED
25	j	603	CLA	CBD-CGD-O2D-CED
25	B	773	CLA	O1D-CGD-O2D-CED
25	o	602	CLA	O1D-CGD-O2D-CED
25	B	777	CLA	O1A-CGA-O2A-C1
25	h	612	CLA	O1A-CGA-O2A-C1
27	j	198	LHG	C10-C11-C12-C13
25	B	784	CLA	C3-C5-C6-C7
25	A	768	CLA	CBA-CGA-O2A-C1
30	j	200	SQD	C24-C23-O48-C46
25	B	736	CLA	O1D-CGD-O2D-CED
25	A	765	CLA	C3A-C2A-CAA-CBA
25	A	794	CLA	C3A-C2A-CAA-CBA
25	A	802	CLA	C3A-C2A-CAA-CBA
25	B	756	CLA	C3A-C2A-CAA-CBA
25	B	758	CLA	C3A-C2A-CAA-CBA
25	B	775	CLA	C3A-C2A-CAA-CBA
25	B	776	CLA	C3A-C2A-CAA-CBA
25	B	781	CLA	C3A-C2A-CAA-CBA
25	a	609	CLA	C3A-C2A-CAA-CBA
25	b	604	CLA	C3A-C2A-CAA-CBA
25	c	606	CLA	C3A-C2A-CAA-CBA
25	i	603	CLA	C3A-C2A-CAA-CBA
25	i	612	CLA	C3A-C2A-CAA-CBA
25	j	601	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
25	j	608	CLA	C3A-C2A-CAA-CBA
25	k	604	CLA	C3A-C2A-CAA-CBA
25	l	604	CLA	C3A-C2A-CAA-CBA
25	l	608	CLA	C3A-C2A-CAA-CBA
25	l	612	CLA	C3A-C2A-CAA-CBA
25	m	603	CLA	C3A-C2A-CAA-CBA
25	o	603	CLA	C3A-C2A-CAA-CBA
25	o	608	CLA	C3A-C2A-CAA-CBA
25	p	604	CLA	C3A-C2A-CAA-CBA
35	c	607	CHL	C3A-C2A-CAA-CBA
35	e	606	CHL	C3A-C2A-CAA-CBA
25	B	741	CLA	C15-C16-C17-C18
31	i	621	DD6	C24-C25-C26-C27
30	c	245	SQD	C9-C10-C11-C12
25	B	751	CLA	O1D-CGD-O2D-CED
25	c	601	CLA	O1D-CGD-O2D-CED
25	A	752	CLA	O1A-CGA-O2A-C1
25	a	613	CLA	C6-C7-C8-C10
33	k	179	LMG	O1-C7-C8-C9
25	b	613	CLA	CBD-CGD-O2D-CED
25	A	774	CLA	C15-C16-C17-C18
27	A	756	LHG	C32-C33-C34-C35
33	B	786	LMG	C12-C13-C14-C15
25	B	773	CLA	O2A-C1-C2-C3
25	f	602	CLA	C3-C5-C6-C7
25	A	794	CLA	O1A-CGA-O2A-C1
25	A	798	CLA	O1A-CGA-O2A-C1
25	A	770	CLA	C4-C3-C5-C6
25	k	604	CLA	C4-C3-C5-C6
25	e	613	CLA	CBA-CGA-O2A-C1
25	h	602	CLA	CBA-CGA-O2A-C1
25	A	770	CLA	C2-C3-C5-C6
25	A	776	CLA	C2-C3-C5-C6
27	i	194	LHG	C27-C28-C29-C30
25	e	610	CLA	C1-C2-C3-C5
27	j	198	LHG	O1-C1-C2-O2
27	A	756	LHG	C27-C28-C29-C30
27	A	786	LHG	C10-C11-C12-C13
27	m	182	LHG	C9-C10-C11-C12
33	k	179	LMG	C31-C32-C33-C34
34	B	787	DGD	C6A-C7A-C8A-C9A
30	g	190	SQD	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
25	n	603	CLA	O1D-CGD-O2D-CED
25	e	608	CLA	O1A-CGA-O2A-C1
25	B	758	CLA	C16-C17-C18-C19
25	A	759	CLA	C5-C6-C7-C8
27	d	237	LHG	C9-C10-C11-C12
25	B	770	CLA	C3-C5-C6-C7
30	c	245	SQD	C24-C23-O48-C46
25	n	607	CLA	O1D-CGD-O2D-CED
27	j	198	LHG	O10-C23-O8-C6
33	k	179	LMG	C28-C29-C30-C31
25	B	748	CLA	CBD-CGD-O2D-CED
25	B	777	CLA	C2-C1-O2A-CGA
27	i	194	LHG	C10-C11-C12-C13
25	j	613	CLA	C10-C11-C12-C13
25	A	774	CLA	O1A-CGA-O2A-C1
25	c	609	CLA	O1A-CGA-O2A-C1
27	A	786	LHG	C11-C12-C13-C14
25	f	613	CLA	C3-C5-C6-C7
29	A	787	BCR	C23-C24-C25-C26
29	A	788	BCR	C23-C24-C25-C26
29	A	788	BCR	C23-C24-C25-C30
29	A	789	BCR	C23-C24-C25-C30
29	A	792	BCR	C23-C24-C25-C26
29	A	792	BCR	C23-C24-C25-C30
29	A	796	BCR	C5-C6-C7-C8
29	B	763	BCR	C23-C24-C25-C26
29	M	201	BCR	C23-C24-C25-C30
25	B	748	CLA	C10-C11-C12-C13
25	A	776	CLA	CBA-CGA-O2A-C1
25	l	602	CLA	CBA-CGA-O2A-C1
25	f	613	CLA	CBA-CGA-O2A-C1
25	A	776	CLA	C15-C16-C17-C18
25	A	799	CLA	C8-C10-C11-C12
25	B	741	CLA	C5-C6-C7-C8
25	B	768	CLA	C5-C6-C7-C8
25	a	603	CLA	C5-C6-C7-C8
27	h	189	LHG	C11-C10-C9-C8
33	B	786	LMG	C32-C33-C34-C35
25	A	800	CLA	O2A-C1-C2-C3
25	f	613	CLA	O1A-CGA-O2A-C1
33	a	182	LMG	C10-C11-C12-C13
27	A	786	LHG	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
25	A	783	CLA	C10-C11-C12-C13
25	A	784	CLA	C5-C6-C7-C8
27	j	198	LHG	C27-C28-C29-C30
25	A	772	CLA	C2-C1-O2A-CGA
25	B	746	CLA	C4-C3-C5-C6
25	B	777	CLA	C4-C3-C5-C6
25	A	760	CLA	C6-C7-C8-C10
25	A	775	CLA	C11-C10-C8-C7
25	B	758	CLA	C6-C7-C8-C10
25	B	758	CLA	C11-C12-C13-C15
25	c	602	CLA	C11-C10-C8-C7
25	c	609	CLA	C11-C10-C8-C7
28	d	223	PQN	C16-C17-C18-C20
25	A	760	CLA	C3-C5-C6-C7
25	B	749	CLA	O1A-CGA-O2A-C1
25	B	756	CLA	O1A-CGA-O2A-C1
25	B	772	CLA	O1A-CGA-O2A-C1
25	c	604	CLA	O1A-CGA-O2A-C1
30	c	245	SQD	O10-C23-O48-C46
30	j	200	SQD	O10-C23-O48-C46
26	A	754	LMT	C2-C3-C4-C5
31	F	4002	DD6	C1-C2-C3-C4
31	c	623	DD6	C24-C25-C26-C27
31	d	623	DD6	C24-C25-C26-C27
31	l	621	DD6	C24-C25-C26-C27
31	m	621	DD6	C24-C25-C26-C27
25	h	602	CLA	C6-C7-C8-C9
25	B	758	CLA	O1D-CGD-O2D-CED
27	A	786	LHG	O9-C7-O7-C5
27	A	786	LHG	C23-C24-C25-C26
27	b	181	LHG	C23-C24-C25-C26
25	b	602	CLA	CBA-CGA-O2A-C1
25	c	613	CLA	CBA-CGA-O2A-C1
33	B	786	LMG	C29-C30-C31-C32
25	h	608	CLA	C2A-CAA-CBA-CGA
25	k	613	CLA	C2A-CAA-CBA-CGA
25	A	774	CLA	C10-C11-C12-C13
28	B	761	PQN	C18-C20-C21-C22
33	B	786	LMG	C37-C38-C39-C40
25	l	612	CLA	C2A-CAA-CBA-CGA
25	B	778	CLA	C1-C2-C3-C5
27	m	182	LHG	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
33	k	179	LMG	C12-C13-C14-C15
25	m	610	CLA	O1D-CGD-O2D-CED
27	g	189	LHG	C24-C25-C26-C27
33	k	179	LMG	C34-C35-C36-C37
34	B	787	DGD	C4A-C5A-C6A-C7A
25	B	779	CLA	O1D-CGD-O2D-CED
30	c	245	SQD	C10-C11-C12-C13
27	A	786	LHG	C8-C7-O7-C5
27	j	198	LHG	C8-C7-O7-C5
25	a	602	CLA	C10-C11-C12-C13
27	A	756	LHG	C33-C34-C35-C36
27	j	198	LHG	O9-C7-O7-C5
30	j	200	SQD	O49-C7-O47-C45
25	B	739	CLA	C3-C5-C6-C7
25	h	602	CLA	C3-C5-C6-C7
25	k	612	CLA	C2A-CAA-CBA-CGA
25	A	784	CLA	C15-C16-C17-C18
27	i	194	LHG	C23-C24-C25-C26
25	n	603	CLA	C2-C3-C5-C6
25	A	774	CLA	C11-C10-C8-C9
25	B	745	CLA	C11-C12-C13-C14
25	B	745	CLA	C14-C13-C15-C16
25	B	756	CLA	C6-C7-C8-C9
25	B	784	CLA	C6-C7-C8-C9
25	i	613	CLA	C6-C7-C8-C9
25	j	610	CLA	C11-C12-C13-C14
25	k	610	CLA	C6-C7-C8-C9
25	c	602	CLA	C3-C5-C6-C7
25	A	801	CLA	C2A-CAA-CBA-CGA
25	B	781	CLA	C2A-CAA-CBA-CGA
25	b	612	CLA	C2A-CAA-CBA-CGA
34	b	182	DGD	C2A-C3A-C4A-C5A
33	i	195	LMG	O6-C5-C6-O5
25	k	610	CLA	CBA-CGA-O2A-C1
29	A	796	BCR	C7-C8-C9-C34
25	b	602	CLA	O1D-CGD-O2D-CED
25	A	760	CLA	C10-C11-C12-C13
25	a	602	CLA	C5-C6-C7-C8
25	m	610	CLA	CBD-CGD-O2D-CED
27	A	786	LHG	C16-C17-C18-C19
29	A	796	BCR	C7-C8-C9-C10
31	b	620	DD6	C10-C11-C13-C14

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Mol	Chain	Res	Type	Atoms
25	d	609	CLA	O1A-CGA-O2A-C1
25	d	612	CLA	O1D-CGD-O2D-CED
25	A	762	CLA	C1A-C2A-CAA-CBA
25	A	764	CLA	C1A-C2A-CAA-CBA
25	A	768	CLA	C1A-C2A-CAA-CBA
25	A	780	CLA	C1A-C2A-CAA-CBA
25	A	794	CLA	C1A-C2A-CAA-CBA
25	A	801	CLA	C1A-C2A-CAA-CBA
25	B	745	CLA	C1A-C2A-CAA-CBA
25	B	756	CLA	C1A-C2A-CAA-CBA
25	B	779	CLA	C1A-C2A-CAA-CBA
25	J	101	CLA	C1A-C2A-CAA-CBA
25	b	604	CLA	C1A-C2A-CAA-CBA
25	c	608	CLA	C1A-C2A-CAA-CBA
25	c	610	CLA	C1A-C2A-CAA-CBA
25	c	611	CLA	C1A-C2A-CAA-CBA
25	d	604	CLA	C1A-C2A-CAA-CBA
25	d	609	CLA	C1A-C2A-CAA-CBA
25	h	602	CLA	C1A-C2A-CAA-CBA
25	h	611	CLA	C1A-C2A-CAA-CBA
25	i	603	CLA	C1A-C2A-CAA-CBA
25	i	610	CLA	C1A-C2A-CAA-CBA
25	j	610	CLA	C1A-C2A-CAA-CBA
25	k	610	CLA	C1A-C2A-CAA-CBA
25	l	604	CLA	C1A-C2A-CAA-CBA
25	l	610	CLA	C1A-C2A-CAA-CBA
25	l	611	CLA	C1A-C2A-CAA-CBA
25	l	612	CLA	C1A-C2A-CAA-CBA
25	m	603	CLA	C1A-C2A-CAA-CBA
25	g	602	CLA	C1A-C2A-CAA-CBA
25	g	610	CLA	C1A-C2A-CAA-CBA
25	o	603	CLA	C1A-C2A-CAA-CBA
25	o	608	CLA	C1A-C2A-CAA-CBA
25	p	604	CLA	C1A-C2A-CAA-CBA
35	c	607	CHL	C1A-C2A-CAA-CBA
35	e	606	CHL	C1A-C2A-CAA-CBA
25	h	602	CLA	C6-C7-C8-C10
30	j	200	SQD	C8-C7-O47-C45
30	g	190	SQD	C8-C7-O47-C45
33	B	786	LMG	C11-C10-O7-C8
27	g	189	LHG	C25-C26-C27-C28
34	B	787	DGD	C3A-C4A-C5A-C6A

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Mol	Chain	Res	Type	Atoms
31	k	621	DD6	C24-C25-C26-C27
31	n	623	DD6	C11-C10-C9-C8
27	h	190	LHG	C3-O3-P-O6
27	m	182	LHG	C4-O6-P-O3
27	g	189	LHG	O6-C4-C5-C6
33	k	179	LMG	C33-C34-C35-C36
30	g	190	SQD	C24-C23-O48-C46
25	B	755	CLA	C4-C3-C5-C6
25	a	603	CLA	C4-C3-C5-C6
25	c	609	CLA	C4-C3-C5-C6
25	l	610	CLA	C4-C3-C5-C6
25	n	602	CLA	C4-C3-C5-C6
25	A	760	CLA	C2-C3-C5-C6
25	B	740	CLA	C3A-C2A-CAA-CBA
25	b	601	CLA	C3A-C2A-CAA-CBA
25	d	614	CLA	C3A-C2A-CAA-CBA
25	e	614	CLA	C3A-C2A-CAA-CBA
25	f	601	CLA	C3A-C2A-CAA-CBA
25	f	614	CLA	C3A-C2A-CAA-CBA
25	n	612	CLA	C3A-C2A-CAA-CBA
25	p	601	CLA	C3A-C2A-CAA-CBA
26	A	754	LMT	O1'-C1-C2-C3
25	A	791	CLA	C5-C6-C7-C8
25	i	608	CLA	C5-C6-C7-C8
30	c	245	SQD	C24-C25-C26-C27
25	k	609	CLA	O1A-CGA-O2A-C1
25	A	791	CLA	C2A-CAA-CBA-CGA
25	c	608	CLA	C2A-CAA-CBA-CGA
25	p	610	CLA	C2A-CAA-CBA-CGA
25	h	613	CLA	O1D-CGD-O2D-CED
25	A	766	CLA	C10-C11-C12-C13
30	c	245	SQD	O6-C44-C45-C46
30	j	200	SQD	C44-C45-C46-O48
30	g	190	SQD	C44-C45-C46-O48
33	a	182	LMG	O1-C7-C8-C9
25	a	619	CLA	C15-C16-C17-C18
25	m	602	CLA	O1A-CGA-O2A-C1
33	i	195	LMG	C8-C7-O1-C1
25	A	780	CLA	C10-C11-C12-C13
25	g	609	CLA	CBD-CGD-O2D-CED
27	c	243	LHG	C24-C25-C26-C27
30	c	245	SQD	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
31	c	624	DD6	C25-C26-C27-C28
27	i	194	LHG	O8-C23-C24-C25
27	i	194	LHG	C11-C10-C9-C8
27	b	181	LHG	O1-C1-C2-O2
25	h	608	CLA	O2A-C1-C2-C3
25	l	613	CLA	O2A-C1-C2-C3
27	h	189	LHG	C12-C13-C14-C15
27	i	194	LHG	C28-C29-C30-C31
34	B	787	DGD	C8A-C9A-CAA-CBA
25	A	764	CLA	C5-C6-C7-C8
26	A	754	LMT	C3-C4-C5-C6
25	A	780	CLA	C5-C6-C7-C8
25	A	772	CLA	C2A-CAA-CBA-CGA
29	B	765	BCR	C20-C21-C22-C37
31	c	624	DD6	C4-C5-C6-C7
31	e	623	DD6	C-C1-C2-C3
31	n	623	DD6	C9-C10-C11-C12
34	b	182	DGD	O6E-C5E-C6E-O5E
25	A	776	CLA	C4-C3-C5-C6
25	j	604	CLA	C4-C3-C5-C6
30	c	245	SQD	C11-C10-C9-C8
25	j	604	CLA	C2-C3-C5-C6
25	A	780	CLA	CBA-CGA-O2A-C1
25	j	604	CLA	CBA-CGA-O2A-C1
35	c	607	CHL	CBA-CGA-O2A-C1
25	A	791	CLA	CBD-CGD-O2D-CED
25	B	739	CLA	C10-C11-C12-C13
28	B	761	PQN	C15-C16-C17-C18
28	B	769	PQN	C18-C20-C21-C22
25	g	602	CLA	C5-C6-C7-C8
27	j	198	LHG	C30-C31-C32-C33
30	j	200	SQD	C10-C11-C12-C13
25	e	608	CLA	C2A-CAA-CBA-CGA
25	c	609	CLA	C10-C11-C12-C13
25	A	762	CLA	C1-C2-C3-C4
25	B	768	CLA	C2-C1-O2A-CGA
25	B	779	CLA	C2-C1-O2A-CGA
25	B	782	CLA	C1-C2-C3-C5
25	a	601	CLA	C1-C2-C3-C4
25	d	601	CLA	C1-C2-C3-C4
25	d	601	CLA	C1-C2-C3-C5
25	e	604	CLA	C1-C2-C3-C4

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Mol	Chain	Res	Type	Atoms
25	k	602	CLA	C2-C1-O2A-CGA
25	k	608	CLA	C1-C2-C3-C5
25	k	609	CLA	C1-C2-C3-C4
25	B	745	CLA	C15-C16-C17-C18
27	h	190	LHG	C12-C13-C14-C15
25	p	604	CLA	O1D-CGD-O2D-CED
25	f	610	CLA	C3-C5-C6-C7
25	o	612	CLA	CHA-CBD-CGD-O1D
34	B	787	DGD	C5A-C6A-C7A-C8A
34	B	787	DGD	C3B-C4B-C5B-C6B
25	B	751	CLA	CBA-CGA-O2A-C1
25	B	777	CLA	CBA-CGA-O2A-C1
25	c	609	CLA	CBA-CGA-O2A-C1
27	i	194	LHG	C24-C23-O8-C6
27	b	181	LHG	O6-C4-C5-O7
27	A	786	LHG	C25-C26-C27-C28
25	e	609	CLA	O1A-CGA-O2A-C1
25	B	777	CLA	C5-C6-C7-C8
25	A	763	CLA	C8-C10-C11-C12
25	B	737	CLA	C5-C6-C7-C8
25	B	758	CLA	C13-C15-C16-C17
25	f	613	CLA	C5-C6-C7-C8
29	B	765	BCR	C20-C21-C22-C23
25	a	613	CLA	C1-C2-C3-C5
27	m	182	LHG	C24-C25-C26-C27
34	B	787	DGD	C6B-C7B-C8B-C9B
30	g	190	SQD	O10-C23-O48-C46
25	n	602	CLA	C10-C11-C12-C13
25	A	805	CLA	O1D-CGD-O2D-CED
25	A	752	CLA	C11-C10-C8-C7
25	A	753	CLA	C11-C10-C8-C7
25	A	755	CLA	C11-C10-C8-C7
25	A	764	CLA	C11-C10-C8-C7
25	A	775	CLA	C6-C7-C8-C10
25	A	777	CLA	C11-C10-C8-C7
25	A	783	CLA	C11-C10-C8-C7
25	A	799	CLA	C11-C10-C8-C7
25	A	801	CLA	C12-C13-C15-C16
25	B	745	CLA	C12-C13-C15-C16
25	B	746	CLA	C11-C10-C8-C7
25	B	752	CLA	C6-C7-C8-C10
25	B	753	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
25	B	755	CLA	C11-C10-C8-C7
25	B	756	CLA	C2-C3-C5-C6
25	B	756	CLA	C6-C7-C8-C10
25	B	757	CLA	C11-C10-C8-C7
25	B	784	CLA	C6-C7-C8-C10
25	h	612	CLA	C6-C7-C8-C10
25	i	613	CLA	C6-C7-C8-C10
25	i	613	CLA	C11-C10-C8-C7
25	k	610	CLA	C6-C7-C8-C10
25	f	602	CLA	C6-C7-C8-C10
28	A	785	PQN	C16-C17-C18-C20
25	a	603	CLA	C3-C5-C6-C7
25	A	791	CLA	C15-C16-C17-C18
25	A	752	CLA	C11-C10-C8-C9
25	A	763	CLA	C11-C12-C13-C14
25	A	769	CLA	C11-C10-C8-C9
25	A	791	CLA	C11-C12-C13-C14
25	A	799	CLA	C11-C10-C8-C9
25	B	739	CLA	C6-C7-C8-C9
25	B	746	CLA	C11-C10-C8-C9
25	B	756	CLA	C11-C10-C8-C9
25	B	757	CLA	C11-C10-C8-C9
25	d	610	CLA	C6-C7-C8-C9
25	h	612	CLA	C6-C7-C8-C9
25	i	608	CLA	C6-C7-C8-C9
28	A	785	PQN	C19-C18-C20-C21
25	A	778	CLA	C2A-CAA-CBA-CGA
33	B	786	LMG	C38-C39-C40-C41
34	b	182	DGD	C5B-C6B-C7B-C8B
25	n	603	CLA	CBA-CGA-O2A-C1
25	B	750	CLA	C10-C11-C12-C13
25	A	758	CLA	C2A-CAA-CBA-CGA
25	m	602	CLA	C2A-CAA-CBA-CGA
25	d	610	CLA	C11-C12-C13-C14
27	b	181	LHG	C24-C25-C26-C27
31	e	620	DD6	C12-C11-C13-C14
31	m	620	DD6	C-C1-C24-C25
25	A	759	CLA	C11-C12-C13-C14
25	B	756	CLA	C11-C12-C13-C14
31	c	624	DD6	C2-C1-C24-C25
31	g	621	DD6	C2-C1-C24-C25
25	A	770	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
25	n	609	CLA	O1D-CGD-O2D-CED
25	A	760	CLA	C15-C16-C17-C18
27	c	243	LHG	O6-C4-C5-C6
27	d	237	LHG	O6-C4-C5-C6
25	B	755	CLA	C8-C10-C11-C12
25	a	613	CLA	O1D-CGD-O2D-CED
25	A	771	CLA	C4-C3-C5-C6
25	B	781	CLA	C4-C3-C5-C6
25	A	769	CLA	C2-C3-C5-C6
25	A	772	CLA	C15-C16-C17-C18
30	g	190	SQD	O49-C7-O47-C45
25	g	608	CLA	C2C-C3C-CAC-CBC
27	A	786	LHG	C30-C31-C32-C33
27	A	786	LHG	C32-C33-C34-C35
27	h	190	LHG	C24-C25-C26-C27
25	A	774	CLA	CBA-CGA-O2A-C1
25	A	798	CLA	CBA-CGA-O2A-C1
25	a	602	CLA	CBA-CGA-O2A-C1
25	A	784	CLA	CAA-CBA-CGA-O2A
27	h	190	LHG	C2-C3-O3-P
25	l	609	CLA	O1D-CGD-O2D-CED
25	p	612	CLA	O1D-CGD-O2D-CED
25	A	767	CLA	C3A-C2A-CAA-CBA
25	B	744	CLA	C3A-C2A-CAA-CBA
25	B	771	CLA	C3A-C2A-CAA-CBA
25	c	608	CLA	C3A-C2A-CAA-CBA
25	d	604	CLA	C3A-C2A-CAA-CBA
25	d	609	CLA	C3A-C2A-CAA-CBA
25	h	610	CLA	C3A-C2A-CAA-CBA
25	j	611	CLA	C3A-C2A-CAA-CBA
25	l	609	CLA	C3A-C2A-CAA-CBA
25	l	611	CLA	C3A-C2A-CAA-CBA
25	m	602	CLA	C3A-C2A-CAA-CBA
25	g	613	CLA	C3A-C2A-CAA-CBA
35	d	607	CHL	C4C-C3C-CAC-CBC
25	k	613	CLA	O1D-CGD-O2D-CED
29	A	796	BCR	C9-C10-C11-C12
31	J	4002	DD6	C1-C2-C3-C4
25	A	808	CLA	C5-C6-C7-C8
25	B	746	CLA	C16-C17-C18-C19
25	B	776	CLA	O1D-CGD-O2D-CED
25	n	604	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
27	b	181	LHG	C4-C5-C6-O8
30	g	190	SQD	O6-C44-C45-C46
34	b	182	DGD	O1G-C1G-C2G-C3G
33	B	786	LMG	O9-C10-O7-C8
27	A	756	LHG	C7-C8-C9-C10
25	c	612	CLA	C2A-CAA-CBA-CGA
25	l	610	CLA	C5-C6-C7-C8
25	B	776	CLA	O2A-C1-C2-C3
25	j	612	CLA	O2A-C1-C2-C3
27	A	756	LHG	O8-C23-C24-C25
25	A	759	CLA	C3-C5-C6-C7
25	A	801	CLA	C3-C5-C6-C7
25	l	609	CLA	C4-C3-C5-C6
33	i	195	LMG	C32-C33-C34-C35
34	b	182	DGD	C6A-C7A-C8A-C9A
25	o	612	CLA	CAD-CBD-CGD-O2D
35	d	606	CHL	C3C-C2C-CMC-OMC
35	e	606	CHL	C3C-C2C-CMC-OMC
25	B	739	CLA	O1A-CGA-O2A-C1
27	i	194	LHG	O10-C23-O8-C6
25	l	602	CLA	C10-C11-C12-C13
25	m	602	CLA	O1D-CGD-O2D-CED
25	B	749	CLA	C2A-CAA-CBA-CGA
33	k	179	LMG	C11-C12-C13-C14
27	A	786	LHG	O6-C4-C5-O7
27	c	243	LHG	O6-C4-C5-O7
25	j	610	CLA	CBA-CGA-O2A-C1
25	n	613	CLA	O1D-CGD-O2D-CED
25	A	784	CLA	O1A-CGA-O2A-C1
34	B	787	DGD	CAA-CBA-CCA-CDA
30	j	200	SQD	O47-C45-C46-O48
30	g	190	SQD	O6-C44-C45-O47
33	a	182	LMG	O1-C7-C8-O7
25	A	769	CLA	CBA-CGA-O2A-C1
25	A	775	CLA	C5-C6-C7-C8
25	i	613	CLA	CAA-CBA-CGA-O2A
25	A	759	CLA	C11-C12-C13-C15
25	A	777	CLA	C16-C17-C18-C20
27	d	237	LHG	C1-C2-C3-O3
25	A	774	CLA	C16-C17-C18-C19
25	J	101	CLA	C2-C1-O2A-CGA
25	b	602	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
25	i	610	CLA	C2-C1-O2A-CGA
25	j	612	CLA	C2-C1-O2A-CGA
25	k	610	CLA	C2-C1-O2A-CGA
25	A	763	CLA	O1A-CGA-O2A-C1
25	A	770	CLA	C5-C6-C7-C8
25	A	753	CLA	C11-C10-C8-C9
25	A	763	CLA	C11-C10-C8-C9
25	B	750	CLA	C11-C10-C8-C9
25	B	752	CLA	C6-C7-C8-C9
25	B	784	CLA	C11-C12-C13-C14
25	e	602	CLA	C14-C13-C15-C16
25	j	613	CLA	C14-C13-C15-C16
25	k	604	CLA	C6-C7-C8-C9
25	h	618	CLA	CBD-CGD-O2D-CED
33	a	182	LMG	C14-C15-C16-C17
25	A	755	CLA	C2A-CAA-CBA-CGA
25	A	768	CLA	C2A-CAA-CBA-CGA
25	l	602	CLA	C2A-CAA-CBA-CGA
25	l	613	CLA	C2A-CAA-CBA-CGA
25	A	769	CLA	C16-C17-C18-C20
25	B	755	CLA	C11-C12-C13-C14
25	B	756	CLA	C11-C12-C13-C15
25	B	781	CLA	C16-C17-C18-C19
25	B	755	CLA	C1-C2-C3-C5
25	B	784	CLA	C1-C2-C3-C5
29	A	792	BCR	C1-C6-C7-C8
29	A	792	BCR	C5-C6-C7-C8
29	A	796	BCR	C23-C24-C25-C30
29	B	762	BCR	C5-C6-C7-C8
29	B	765	BCR	C23-C24-C25-C26
29	B	765	BCR	C23-C24-C25-C30
31	c	620	DD6	C12-C11-C13-C14
25	h	610	CLA	C6-C7-C8-C9
25	i	601	CLA	C5-C6-C7-C8
33	a	182	LMG	C11-C12-C13-C14
25	b	601	CLA	C1A-C2A-CAA-CBA
25	b	610	CLA	C1A-C2A-CAA-CBA
25	e	601	CLA	C1A-C2A-CAA-CBA
25	f	611	CLA	C1A-C2A-CAA-CBA
25	g	611	CLA	C1A-C2A-CAA-CBA
25	p	601	CLA	C1A-C2A-CAA-CBA
25	p	603	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
29	B	762	BCR	C21-C22-C23-C24
31	b	620	DD6	C2-C1-C24-C25
31	g	620	DD6	C10-C11-C13-C14
25	A	801	CLA	C8-C10-C11-C12
25	b	604	CLA	O1D-CGD-O2D-CED
25	A	768	CLA	C11-C10-C8-C9
31	F	4002	DD6	C25-C26-C27-C28
25	i	611	CLA	CBD-CGD-O2D-CED
25	B	747	CLA	C2-C1-O2A-CGA
27	A	756	LHG	O6-C4-C5-C6
27	b	181	LHG	O6-C4-C5-C6
25	A	801	CLA	C4-C3-C5-C6
25	A	752	CLA	C12-C13-C15-C16
25	A	758	CLA	C12-C13-C15-C16
25	A	759	CLA	C6-C7-C8-C10
25	A	760	CLA	C11-C10-C8-C7
25	A	771	CLA	C11-C10-C8-C7
25	A	780	CLA	C11-C10-C8-C7
25	A	801	CLA	C11-C10-C8-C7
25	A	801	CLA	C11-C12-C13-C15
25	B	738	CLA	C11-C10-C8-C7
25	B	739	CLA	C11-C10-C8-C7
25	B	758	CLA	C12-C13-C15-C16
25	B	776	CLA	C11-C10-C8-C7
25	d	610	CLA	C6-C7-C8-C10
25	e	602	CLA	C12-C13-C15-C16
25	i	608	CLA	C6-C7-C8-C10
25	i	613	CLA	C2-C3-C5-C6
25	j	610	CLA	C11-C10-C8-C7
25	j	613	CLA	C6-C7-C8-C10
25	k	604	CLA	C11-C10-C8-C7
28	A	785	PQN	C17-C18-C20-C21
25	B	778	CLA	C1-C2-C3-C4
29	A	788	BCR	C15-C16-C17-C18
31	f	621	DD6	C24-C25-C26-C27
25	A	781	CLA	O1D-CGD-O2D-CED
25	B	746	CLA	C15-C16-C17-C18
27	A	756	LHG	C23-C24-C25-C26
25	j	609	CLA	O1D-CGD-O2D-CED
25	A	770	CLA	C15-C16-C17-C18
25	B	746	CLA	C2A-CAA-CBA-CGA
25	B	772	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
29	A	792	BCR	C20-C21-C22-C37
31	e	620	DD6	C-C1-C2-C3
25	B	748	CLA	C11-C12-C13-C14
25	e	608	CLA	CBA-CGA-O2A-C1
25	h	609	CLA	CBA-CGA-O2A-C1
25	A	752	CLA	CAD-CBD-CGD-O2D
25	A	772	CLA	CAD-CBD-CGD-O2D
25	A	807	CLA	CAD-CBD-CGD-O2D
25	B	775	CLA	CAD-CBD-CGD-O2D
25	c	610	CLA	CAD-CBD-CGD-O2D
25	e	602	CLA	CAD-CBD-CGD-O2D
25	i	603	CLA	CAD-CBD-CGD-O2D
25	i	608	CLA	CAD-CBD-CGD-O2D
25	i	611	CLA	CAD-CBD-CGD-O2D
25	j	603	CLA	CAD-CBD-CGD-O2D
25	m	611	CLA	CAD-CBD-CGD-O2D
25	g	611	CLA	CAD-CBD-CGD-O2D
35	d	608	CHL	CAD-CBD-CGD-O2D
35	e	606	CHL	CAD-CBD-CGD-O2D
25	l	609	CLA	C11-C12-C13-C14
34	b	182	DGD	C4A-C5A-C6A-C7A
27	c	243	LHG	C4-C5-C6-O8
34	B	787	DGD	C1G-C2G-C3G-O3G
25	A	772	CLA	CBD-CGD-O2D-CED
27	d	237	LHG	O6-C4-C5-O7
27	m	182	LHG	O6-C4-C5-O7
27	g	189	LHG	O6-C4-C5-O7
25	A	801	CLA	C5-C6-C7-C8
25	B	753	CLA	C8-C10-C11-C12
25	B	778	CLA	C3-C5-C6-C7
25	f	613	CLA	C2A-CAA-CBA-CGA
25	B	738	CLA	C16-C17-C18-C19
25	A	757	CLA	CHA-CBD-CGD-O1D
25	A	759	CLA	CHA-CBD-CGD-O1D
25	A	760	CLA	CHA-CBD-CGD-O2D
25	A	763	CLA	CHA-CBD-CGD-O1D
25	A	766	CLA	CHA-CBD-CGD-O1D
25	A	772	CLA	CHA-CBD-CGD-O1D
25	A	774	CLA	CHA-CBD-CGD-O1D
25	A	777	CLA	CHA-CBD-CGD-O1D
25	A	797	CLA	CHA-CBD-CGD-O2D
25	A	802	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
25	A	804	CLA	CHA-CBD-CGD-O1D
25	A	808	CLA	CHA-CBD-CGD-O1D
25	B	738	CLA	CHA-CBD-CGD-O1D
25	B	738	CLA	CHA-CBD-CGD-O2D
25	B	741	CLA	CHA-CBD-CGD-O1D
25	B	743	CLA	CHA-CBD-CGD-O1D
25	B	745	CLA	CHA-CBD-CGD-O1D
25	B	750	CLA	CHA-CBD-CGD-O1D
25	B	777	CLA	CHA-CBD-CGD-O2D
25	B	782	CLA	CHA-CBD-CGD-O1D
25	B	784	CLA	CHA-CBD-CGD-O1D
25	a	603	CLA	CHA-CBD-CGD-O1D
25	b	602	CLA	CHA-CBD-CGD-O2D
25	b	609	CLA	CHA-CBD-CGD-O1D
25	b	611	CLA	CHA-CBD-CGD-O1D
25	b	613	CLA	CHA-CBD-CGD-O2D
25	c	612	CLA	CHA-CBD-CGD-O1D
25	d	601	CLA	CHA-CBD-CGD-O1D
25	e	601	CLA	CHA-CBD-CGD-O1D
25	e	603	CLA	CHA-CBD-CGD-O1D
25	h	602	CLA	CHA-CBD-CGD-O1D
25	i	603	CLA	CHA-CBD-CGD-O1D
25	j	602	CLA	CHA-CBD-CGD-O1D
25	j	614	CLA	CHA-CBD-CGD-O2D
25	k	611	CLA	CHA-CBD-CGD-O2D
25	k	613	CLA	CHA-CBD-CGD-O2D
25	l	604	CLA	CHA-CBD-CGD-O2D
25	l	617	CLA	CHA-CBD-CGD-O2D
25	m	603	CLA	CHA-CBD-CGD-O1D
25	f	601	CLA	CHA-CBD-CGD-O2D
25	f	610	CLA	CHA-CBD-CGD-O2D
25	g	602	CLA	CHA-CBD-CGD-O1D
25	g	609	CLA	CHA-CBD-CGD-O1D
25	n	602	CLA	CHA-CBD-CGD-O1D
25	n	603	CLA	CHA-CBD-CGD-O1D
25	o	602	CLA	CHA-CBD-CGD-O2D
25	o	603	CLA	CHA-CBD-CGD-O1D
25	p	610	CLA	CHA-CBD-CGD-O1D
25	p	610	CLA	CHA-CBD-CGD-O2D
25	l	610	CLA	C3-C5-C6-C7
25	a	612	CLA	CBD-CGD-O2D-CED
25	A	797	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
25	B	755	CLA	O1A-CGA-O2A-C1
25	B	784	CLA	O1A-CGA-O2A-C1
25	d	601	CLA	O1A-CGA-O2A-C1
25	e	613	CLA	O1A-CGA-O2A-C1
31	c	624	DD6	C4-C5-C6-C8
31	e	623	DD6	C24-C1-C2-C3
31	n	623	DD6	C9-C10-C11-C13
25	B	742	CLA	C2A-CAA-CBA-CGA
27	g	189	LHG	O7-C5-C6-O8
30	A	795	SQD	O6-C44-C45-O47
25	B	746	CLA	O1A-CGA-O2A-C1
27	c	243	LHG	C11-C10-C9-C8
25	f	610	CLA	C6-C7-C8-C9
25	B	746	CLA	C3-C5-C6-C7
25	A	761	CLA	C14-C13-C15-C16
25	B	753	CLA	C6-C7-C8-C9
25	a	619	CLA	C11-C10-C8-C9
25	b	605	CLA	O1D-CGD-O2D-CED
25	c	614	CLA	O1D-CGD-O2D-CED
25	a	602	CLA	O1A-CGA-O2A-C1
25	B	777	CLA	O1D-CGD-O2D-CED
25	f	603	CLA	O1D-CGD-O2D-CED
25	A	798	CLA	C2A-CAA-CBA-CGA
25	j	608	CLA	C2A-CAA-CBA-CGA
25	f	602	CLA	CBD-CGD-O2D-CED
25	A	807	CLA	O2A-C1-C2-C3
25	B	778	CLA	C15-C16-C17-C18
29	A	790	BCR	C17-C18-C19-C20
31	c	620	DD6	C10-C11-C13-C14
25	o	603	CLA	O1D-CGD-O2D-CED
25	B	744	CLA	C1A-C2A-CAA-CBA
25	A	799	CLA	C11-C12-C13-C14
25	B	781	CLA	C13-C15-C16-C17
25	B	736	CLA	C2-C1-O2A-CGA
33	B	786	LMG	C30-C31-C32-C33
31	F	4002	DD6	C11-C10-C9-C8
31	c	624	DD6	C24-C25-C26-C27
31	n	620	DD6	C24-C25-C26-C27
27	a	181	LHG	O2-C2-C3-O3
27	c	243	LHG	C2-C3-O3-P
27	d	237	LHG	C2-C3-O3-P
27	b	181	LHG	C3-O3-P-O4

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Mol	Chain	Res	Type	Atoms
27	b	181	LHG	C4-O6-P-O4
27	j	198	LHG	C4-O6-P-O4
27	m	182	LHG	C3-O3-P-O5
27	g	189	LHG	C3-O3-P-O4
27	g	189	LHG	C4-O6-P-O5
25	A	777	CLA	C16-C17-C18-C19
25	A	783	CLA	CBA-CGA-O2A-C1
25	B	783	CLA	CBA-CGA-O2A-C1
25	c	616	CLA	CBD-CGD-O2D-CED
27	h	190	LHG	O6-C4-C5-C6
25	e	612	CLA	C2A-CAA-CBA-CGA
25	c	604	CLA	O2A-C1-C2-C3
25	i	602	CLA	C16-C17-C18-C20
25	k	608	CLA	O1D-CGD-O2D-CED
25	A	752	CLA	CAD-CBD-CGD-O1D
25	A	757	CLA	CAD-CBD-CGD-O1D
25	A	766	CLA	CAD-CBD-CGD-O1D
25	A	774	CLA	CAD-CBD-CGD-O1D
25	A	803	CLA	C2-C3-C5-C6
25	A	804	CLA	CAD-CBD-CGD-O1D
25	A	808	CLA	CAD-CBD-CGD-O1D
25	B	738	CLA	CAD-CBD-CGD-O1D
25	B	743	CLA	CAD-CBD-CGD-O1D
25	B	745	CLA	CAD-CBD-CGD-O1D
25	B	782	CLA	CAD-CBD-CGD-O1D
25	B	784	CLA	CAD-CBD-CGD-O1D
25	c	601	CLA	CAD-CBD-CGD-O1D
25	d	601	CLA	CAD-CBD-CGD-O1D
25	e	603	CLA	CAD-CBD-CGD-O1D
25	e	607	CLA	CAD-CBD-CGD-O1D
25	l	612	CLA	CAD-CBD-CGD-O1D
25	f	614	CLA	CAD-CBD-CGD-O1D
25	g	602	CLA	CAD-CBD-CGD-O1D
25	g	612	CLA	CAD-CBD-CGD-O1D
25	n	603	CLA	CAD-CBD-CGD-O1D
25	p	602	CLA	CAD-CBD-CGD-O1D
25	A	781	CLA	CAA-CBA-CGA-O2A
28	d	223	PQN	C15-C16-C17-C18
27	i	194	LHG	C24-C25-C26-C27
27	j	198	LHG	C25-C26-C27-C28
25	B	756	CLA	CBA-CGA-O2A-C1
27	a	181	LHG	C1-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
25	A	761	CLA	C11-C12-C13-C15
25	A	763	CLA	C12-C13-C15-C16
25	A	766	CLA	C11-C10-C8-C7
25	A	770	CLA	C12-C13-C15-C16
25	B	739	CLA	C6-C7-C8-C10
25	B	741	CLA	C11-C12-C13-C15
25	B	748	CLA	C11-C10-C8-C7
25	B	753	CLA	C6-C7-C8-C10
25	B	774	CLA	C11-C10-C8-C7
25	c	602	CLA	C6-C7-C8-C10
25	d	603	CLA	C3A-C2A-CAA-CBA
25	d	610	CLA	C11-C10-C8-C7
25	i	608	CLA	C12-C13-C15-C16
25	k	604	CLA	C6-C7-C8-C10
25	k	614	CLA	C3A-C2A-CAA-CBA
25	m	610	CLA	C3A-C2A-CAA-CBA
25	p	603	CLA	C3A-C2A-CAA-CBA
35	d	606	CHL	C3A-C2A-CAA-CBA
34	B	787	DGD	C7A-C8A-C9A-CAA
25	g	602	CLA	C3-C5-C6-C7
25	a	604	CLA	CBD-CGD-O2D-CED
25	d	610	CLA	C5-C6-C7-C8
25	A	765	CLA	C10-C11-C12-C13
30	A	795	SQD	O6-C44-C45-C46
34	e	205	DGD	C1G-C2G-C3G-O3G
35	c	607	CHL	C1C-C2C-CMC-OMC
35	d	605	CHL	C1C-C2C-CMC-OMC
35	d	607	CHL	C1C-C2C-CMC-OMC
35	e	606	CHL	C1C-C2C-CMC-OMC
33	k	179	LMG	O1-C7-C8-O7
27	j	198	LHG	C12-C13-C14-C15
25	e	602	CLA	O1A-CGA-O2A-C1
25	A	769	CLA	C15-C16-C17-C18
25	B	736	CLA	C13-C15-C16-C17
27	j	198	LHG	C26-C27-C28-C29
25	e	607	CLA	C2A-CAA-CBA-CGA
25	a	601	CLA	O1A-CGA-O2A-C1
25	B	756	CLA	C4-C3-C5-C6
25	A	752	CLA	C14-C13-C15-C16
25	A	755	CLA	C11-C10-C8-C9
25	A	758	CLA	C14-C13-C15-C16
25	A	770	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
25	A	771	CLA	C11-C10-C8-C9
25	A	774	CLA	C11-C12-C13-C14
25	A	775	CLA	C6-C7-C8-C9
25	A	801	CLA	C11-C10-C8-C9
25	B	758	CLA	C14-C13-C15-C16
25	a	602	CLA	C11-C10-C8-C9
25	A	804	CLA	O1A-CGA-O2A-C1
25	l	609	CLA	O1A-CGA-O2A-C1
25	A	759	CLA	O1A-CGA-O2A-C1
29	A	792	BCR	C9-C10-C11-C12
25	l	602	CLA	O1D-CGD-O2D-CED
25	d	610	CLA	C8-C10-C11-C12
25	A	800	CLA	O1A-CGA-O2A-C1
25	i	608	CLA	C16-C17-C18-C20
33	k	179	LMG	O6-C5-C6-O5
25	B	749	CLA	C1-C2-C3-C4
33	a	182	LMG	C30-C31-C32-C33
25	A	794	CLA	C3-C5-C6-C7
27	A	786	LHG	O6-C4-C5-C6
25	A	784	CLA	C2A-CAA-CBA-CGA
25	a	613	CLA	C2A-CAA-CBA-CGA
25	k	613	CLA	C1-C2-C3-C5
25	A	773	CLA	CBA-CGA-O2A-C1
25	A	758	CLA	C2-C1-O2A-CGA
25	A	775	CLA	C2-C1-O2A-CGA
25	a	601	CLA	C2-C1-O2A-CGA
25	a	609	CLA	C2-C1-O2A-CGA
25	k	618	CLA	C2-C1-O2A-CGA
25	g	613	CLA	C2-C1-O2A-CGA
25	n	602	CLA	C2-C1-O2A-CGA
25	h	612	CLA	C10-C11-C12-C13
25	h	610	CLA	CAA-CBA-CGA-O2A
25	m	602	CLA	CAA-CBA-CGA-O2A
25	A	776	CLA	C10-C11-C12-C13
25	B	774	CLA	C3-C5-C6-C7
25	i	601	CLA	C3-C5-C6-C7
33	B	786	LMG	C11-C12-C13-C14
27	j	198	LHG	C5-C4-O6-P
27	A	756	LHG	O6-C4-C5-O7
25	A	771	CLA	O1D-CGD-O2D-CED
29	A	789	BCR	C1-C6-C7-C8
25	B	781	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
25	B	775	CLA	O1D-CGD-O2D-CED
25	B	737	CLA	C2C-C3C-CAC-CBC
25	B	755	CLA	C11-C12-C13-C15
34	B	787	DGD	C4B-C5B-C6B-C7B
27	A	756	LHG	C3-O3-P-O6
27	d	237	LHG	C3-O3-P-O6
27	m	182	LHG	C26-C27-C28-C29
25	B	752	CLA	C10-C11-C12-C13
25	A	763	CLA	C11-C12-C13-C15
25	B	752	CLA	C12-C13-C15-C16
25	B	784	CLA	CAA-CBA-CGA-O2A
25	A	766	CLA	C11-C10-C8-C9
25	B	748	CLA	C11-C10-C8-C9
25	f	602	CLA	C11-C10-C8-C9
29	B	762	BCR	C13-C14-C15-C16
31	d	621	DD6	C24-C25-C26-C27
25	B	774	CLA	C11-C12-C13-C15
27	g	189	LHG	C11-C12-C13-C14
27	A	786	LHG	C24-C25-C26-C27
25	B	747	CLA	CBA-CGA-O2A-C1
27	A	786	LHG	C19-C20-C21-C22
33	B	786	LMG	C36-C37-C38-C39
25	g	609	CLA	CBA-CGA-O2A-C1
27	j	198	LHG	C2-C3-O3-P
27	m	182	LHG	C2-C3-O3-P
31	m	620	DD6	C2-C1-C24-C25
25	A	768	CLA	C11-C10-C8-C7
33	B	786	LMG	C33-C34-C35-C36
25	i	608	CLA	C4-C3-C5-C6
25	A	776	CLA	O1A-CGA-O2A-C1
25	c	613	CLA	CBD-CGD-O2D-CED
25	c	609	CLA	C2-C3-C5-C6
25	e	610	CLA	C2-C3-C5-C6
25	i	608	CLA	C16-C17-C18-C19
25	c	604	CLA	CBA-CGA-O2A-C1
25	B	747	CLA	CBD-CGD-O2D-CED
25	e	603	CLA	CBD-CGD-O2D-CED
25	j	610	CLA	O1D-CGD-O2D-CED
35	e	606	CHL	CAA-CBA-CGA-O2A
29	A	787	BCR	C9-C10-C11-C12
29	B	763	BCR	C9-C10-C11-C12
29	M	201	BCR	C13-C14-C15-C16

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Mol	Chain	Res	Type	Atoms
31	c	623	DD6	C11-C10-C9-C8
31	e	623	DD6	C11-C10-C9-C8
31	g	621	DD6	C3-C4-C5-C6
27	a	181	LHG	C24-C25-C26-C27
25	A	768	CLA	O1A-CGA-O2A-C1
25	A	774	CLA	C5-C6-C7-C8
25	B	781	CLA	C5-C6-C7-C8
26	A	754	LMT	C5-C6-C7-C8
25	o	609	CLA	CAA-CBA-CGA-O2A
25	n	603	CLA	O1A-CGA-O2A-C1
27	i	194	LHG	O10-C23-C24-C25
25	B	738	CLA	C4-C3-C5-C6
25	B	771	CLA	C4-C3-C5-C6
25	i	610	CLA	C4-C3-C5-C6
25	B	736	CLA	C15-C16-C17-C18
25	h	612	CLA	C2-C3-C5-C6
33	B	786	LMG	C21-C22-C23-C24
25	B	751	CLA	C2-C1-O2A-CGA
25	c	608	CLA	C2-C1-O2A-CGA
25	c	610	CLA	C2-C1-O2A-CGA
25	h	601	CLA	C2-C1-O2A-CGA
25	j	611	CLA	C2-C1-O2A-CGA
25	l	603	CLA	C2A-CAA-CBA-CGA
25	A	769	CLA	C2A-CAA-CBA-CGA
25	c	613	CLA	C2A-CAA-CBA-CGA
25	g	613	CLA	C2A-CAA-CBA-CGA
25	m	603	CLA	C6-C7-C8-C9
33	i	195	LMG	C37-C38-C39-C40
25	A	770	CLA	C3A-C2A-CAA-CBA
25	A	775	CLA	C3A-C2A-CAA-CBA
25	A	779	CLA	C3A-C2A-CAA-CBA
25	A	781	CLA	C3A-C2A-CAA-CBA
25	B	757	CLA	C3A-C2A-CAA-CBA
25	b	605	CLA	C3A-C2A-CAA-CBA
25	e	608	CLA	C3A-C2A-CAA-CBA
25	i	609	CLA	C3A-C2A-CAA-CBA
25	m	609	CLA	C3A-C2A-CAA-CBA
25	g	618	CLA	C3A-C2A-CAA-CBA
29	B	762	BCR	C9-C10-C11-C12
25	a	604	CLA	CAA-CBA-CGA-O2A
25	B	779	CLA	C2-C3-C5-C6
25	A	783	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
25	B	738	CLA	C11-C12-C13-C14
25	B	741	CLA	C14-C13-C15-C16
25	m	602	CLA	C6-C7-C8-C9
28	A	785	PQN	C21-C22-C23-C24
25	c	609	CLA	C11-C12-C13-C14
25	n	604	CLA	C2C-C3C-CAC-CBC
27	i	194	LHG	C4-C5-C6-O8
29	A	790	BCR	C11-C10-C9-C34
29	A	790	BCR	C16-C17-C18-C36
29	B	764	BCR	C11-C10-C9-C34
29	B	764	BCR	C20-C21-C22-C37
31	F	4002	DD6	C4-C5-C6-C7
31	g	620	DD6	C4-C5-C6-C7
25	A	794	CLA	C8-C10-C11-C12
25	d	604	CLA	C2A-CAA-CBA-CGA
25	d	611	CLA	C2A-CAA-CBA-CGA
25	A	804	CLA	O2A-C1-C2-C3
25	B	771	CLA	O2A-C1-C2-C3
25	m	603	CLA	O2A-C1-C2-C3
25	n	603	CLA	O2A-C1-C2-C3
25	d	611	CLA	CAA-CBA-CGA-O1A
31	j	620	DD6	C12-C11-C13-C14
25	B	784	CLA	CAA-CBA-CGA-O1A
25	B	752	CLA	C13-C15-C16-C17
31	e	620	DD6	C10-C11-C13-C14
33	i	195	LMG	C30-C31-C32-C33
27	j	198	LHG	C4-C5-O7-C7
27	j	198	LHG	C6-C5-O7-C7
27	g	189	LHG	C6-C5-O7-C7
25	A	758	CLA	C1A-C2A-CAA-CBA
25	A	808	CLA	C1A-C2A-CAA-CBA
25	B	738	CLA	C1A-C2A-CAA-CBA
25	B	771	CLA	C1A-C2A-CAA-CBA
25	a	612	CLA	C1A-C2A-CAA-CBA
25	i	609	CLA	C1A-C2A-CAA-CBA
25	g	613	CLA	C1A-C2A-CAA-CBA
25	o	614	CLA	C1A-C2A-CAA-CBA
25	e	609	CLA	CBA-CGA-O2A-C1
25	A	784	CLA	C11-C12-C13-C15
25	B	745	CLA	C11-C10-C8-C7
25	i	602	CLA	C12-C13-C15-C16
25	l	609	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
25	B	775	CLA	C1-C2-C3-C5
25	A	808	CLA	O1D-CGD-O2D-CED
25	B	749	CLA	CBA-CGA-O2A-C1
35	e	606	CHL	CAA-CBA-CGA-O1A
25	n	602	CLA	C11-C12-C13-C14
25	c	602	CLA	C2A-CAA-CBA-CGA
25	k	604	CLA	C5-C6-C7-C8
25	A	771	CLA	O1A-CGA-O2A-C1
33	k	179	LMG	C4-C5-C6-O5
25	p	610	CLA	CAA-CBA-CGA-O1A
34	e	205	DGD	C1B-C2B-C3B-C4B
35	d	605	CHL	CBA-CGA-O2A-C1
25	g	608	CLA	CAA-CBA-CGA-O2A
25	o	609	CLA	CAA-CBA-CGA-O1A
25	p	610	CLA	CAA-CBA-CGA-O2A
25	B	741	CLA	C4-C3-C5-C6
25	f	613	CLA	C4-C3-C5-C6
25	B	785	CLA	CAA-CBA-CGA-O1A
25	A	765	CLA	O1A-CGA-O2A-C1
25	B	743	CLA	O1D-CGD-O2D-CED
25	B	755	CLA	O1D-CGD-O2D-CED
29	A	790	BCR	C11-C10-C9-C8
29	A	790	BCR	C16-C17-C18-C19
29	A	792	BCR	C20-C21-C22-C23
29	B	764	BCR	C11-C10-C9-C8
29	B	764	BCR	C20-C21-C22-C23
31	F	4002	DD6	C4-C5-C6-C8
31	g	620	DD6	C4-C5-C6-C8
25	e	603	CLA	CAA-CBA-CGA-O1A
27	A	786	LHG	C9-C10-C11-C12
30	j	200	SQD	O6-C44-C45-O47
25	B	738	CLA	C16-C17-C18-C20
25	B	779	CLA	O1A-CGA-O2A-C1
27	A	786	LHG	C33-C34-C35-C36
25	A	766	CLA	C2-C1-O2A-CGA
25	B	745	CLA	C2-C1-O2A-CGA
25	a	613	CLA	C2-C1-O2A-CGA
25	j	610	CLA	C2-C1-O2A-CGA
25	p	608	CLA	C3A-C2A-CAA-CBA
25	d	611	CLA	CAA-CBA-CGA-O2A
25	b	611	CLA	O1D-CGD-O2D-CED
25	A	783	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
25	c	610	CLA	C6-C7-C8-C9
25	k	604	CLA	C14-C13-C15-C16
25	A	766	CLA	O1A-CGA-O2A-C1
25	A	773	CLA	C5-C6-C7-C8
33	B	786	LMG	C14-C15-C16-C17
25	e	603	CLA	CAA-CBA-CGA-O2A
25	A	753	CLA	C15-C16-C17-C18
27	j	198	LHG	C24-C25-C26-C27
25	h	613	CLA	C5-C6-C7-C8
25	A	765	CLA	C2A-CAA-CBA-CGA
25	A	766	CLA	C2A-CAA-CBA-CGA
25	A	799	CLA	C2A-CAA-CBA-CGA
25	g	610	CLA	C2A-CAA-CBA-CGA
25	f	610	CLA	C6-C7-C8-C10
27	d	237	LHG	C11-C10-C9-C8
29	A	790	BCR	C5-C6-C7-C8
29	A	796	BCR	C1-C6-C7-C8
29	B	764	BCR	C1-C6-C7-C8
29	B	766	BCR	C23-C24-C25-C30
29	B	767	BCR	C1-C6-C7-C8
29	B	767	BCR	C23-C24-C25-C30
25	A	759	CLA	C8-C10-C11-C12
25	A	752	CLA	CAA-CBA-CGA-O2A
25	a	602	CLA	CAA-CBA-CGA-O2A
27	g	189	LHG	O1-C1-C2-C3
25	m	602	CLA	CAA-CBA-CGA-O1A
29	A	787	BCR	C15-C16-C17-C18
31	F	4002	DD6	C24-C25-C26-C27
31	f	620	DD6	C11-C10-C9-C8
31	o	620	DD6	C24-C25-C26-C27
25	B	745	CLA	C4-C3-C5-C6
25	e	613	CLA	C4-C3-C5-C6
28	d	223	PQN	C14-C13-C15-C16
25	d	603	CLA	C1A-C2A-CAA-CBA
25	l	614	CLA	C1A-C2A-CAA-CBA
25	B	774	CLA	C11-C12-C13-C14
25	e	602	CLA	C8-C10-C11-C12
25	B	738	CLA	C2-C3-C5-C6
25	j	613	CLA	CAA-CBA-CGA-O2A
25	B	745	CLA	C3-C5-C6-C7
25	a	604	CLA	CAA-CBA-CGA-O1A
25	p	609	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
33	a	182	LMG	C21-C22-C23-C24
25	B	752	CLA	C16-C17-C18-C20
25	m	613	CLA	C2C-C3C-CAC-CBC
25	l	610	CLA	C6-C7-C8-C9
25	n	609	CLA	CAA-CBA-CGA-O1A
25	B	771	CLA	C2A-CAA-CBA-CGA
25	h	613	CLA	CAA-CBA-CGA-O2A
25	B	770	CLA	C4-C3-C5-C6
25	A	775	CLA	C10-C11-C12-C13
25	A	791	CLA	C2-C3-C5-C6
25	B	739	CLA	C11-C12-C13-C15
25	B	741	CLA	C11-C10-C8-C7
25	B	748	CLA	C6-C7-C8-C10
25	B	784	CLA	C11-C12-C13-C15
25	n	602	CLA	C11-C10-C8-C7
25	B	776	CLA	CBA-CGA-O2A-C1
25	B	757	CLA	CBD-CGD-O2D-CED
25	A	772	CLA	C1-C2-C3-C4
25	A	775	CLA	C1-C2-C3-C4
25	A	780	CLA	C1-C2-C3-C4
25	A	803	CLA	C1-C2-C3-C4
25	B	736	CLA	C1-C2-C3-C4
25	B	756	CLA	C1-C2-C3-C4
25	B	770	CLA	C1-C2-C3-C4
25	B	771	CLA	C1-C2-C3-C4
25	B	779	CLA	C1-C2-C3-C4
25	a	610	CLA	C1-C2-C3-C4
25	a	613	CLA	C1-C2-C3-C4
25	d	604	CLA	C1-C2-C3-C4
25	h	610	CLA	C1-C2-C3-C4
25	j	613	CLA	C1-C2-C3-C4
25	k	604	CLA	C1-C2-C3-C4
25	n	602	CLA	C1-C2-C3-C4
31	a	620	DD6	C11-C10-C9-C8
31	m	620	DD6	C3-C4-C5-C6
25	l	613	CLA	CAA-CBA-CGA-O2A
33	B	786	LMG	O7-C8-C9-O8
33	B	786	LMG	C40-C41-C42-C43
25	B	754	CLA	C2A-CAA-CBA-CGA
27	A	756	LHG	O10-C23-C24-C25
25	A	797	CLA	O2A-C1-C2-C3
25	A	761	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
25	g	608	CLA	CAA-CBA-CGA-O1A
29	B	765	BCR	C35-C13-C14-C15
29	B	766	BCR	C20-C21-C22-C37
25	l	610	CLA	CAA-CBA-CGA-O2A
25	h	610	CLA	CAA-CBA-CGA-O1A
25	c	613	CLA	C4-C3-C5-C6
25	g	613	CLA	C4-C3-C5-C6
28	B	761	PQN	C14-C13-C15-C16
25	A	769	CLA	C8-C10-C11-C12
25	B	741	CLA	C2-C3-C5-C6
25	B	755	CLA	C2-C3-C5-C6
25	a	608	CLA	C2-C3-C5-C6
25	f	613	CLA	C2-C3-C5-C6
25	B	738	CLA	CAA-CBA-CGA-O2A
25	A	761	CLA	C11-C12-C13-C14
25	A	772	CLA	C6-C7-C8-C9
25	A	784	CLA	C6-C7-C8-C9
25	A	801	CLA	C14-C13-C15-C16
25	B	741	CLA	C11-C10-C8-C9
25	a	602	CLA	C6-C7-C8-C9
25	i	608	CLA	C14-C13-C15-C16
25	A	758	CLA	C3A-C2A-CAA-CBA
25	A	808	CLA	C3A-C2A-CAA-CBA
25	B	738	CLA	C3A-C2A-CAA-CBA
25	B	755	CLA	C3A-C2A-CAA-CBA
25	B	770	CLA	C3A-C2A-CAA-CBA
25	B	772	CLA	C3A-C2A-CAA-CBA
25	a	604	CLA	C3A-C2A-CAA-CBA
25	a	612	CLA	C3A-C2A-CAA-CBA
25	a	613	CLA	C3A-C2A-CAA-CBA
25	m	604	CLA	C3A-C2A-CAA-CBA
25	f	613	CLA	C3A-C2A-CAA-CBA
25	n	609	CLA	C3A-C2A-CAA-CBA
25	o	614	CLA	C3A-C2A-CAA-CBA
35	d	608	CHL	C3A-C2A-CAA-CBA
27	A	756	LHG	O10-C23-O8-C6
25	c	610	CLA	CAA-CBA-CGA-O2A
27	A	786	LHG	O8-C23-C24-C25
30	c	245	SQD	O48-C23-C24-C25
25	b	609	CLA	CAA-CBA-CGA-O1A
25	A	767	CLA	CAD-CBD-CGD-O2D
25	A	773	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
25	A	784	CLA	CAD-CBD-CGD-O2D
25	A	804	CLA	CAD-CBD-CGD-O2D
25	B	745	CLA	CAD-CBD-CGD-O2D
25	B	746	CLA	CAD-CBD-CGD-O2D
25	B	753	CLA	CAD-CBD-CGD-O2D
25	B	754	CLA	CAD-CBD-CGD-O2D
25	B	759	CLA	CAD-CBD-CGD-O2D
25	B	780	CLA	CAD-CBD-CGD-O2D
25	J	101	CLA	CAD-CBD-CGD-O2D
25	a	603	CLA	CAD-CBD-CGD-O2D
25	b	612	CLA	CAD-CBD-CGD-O2D
25	c	604	CLA	CAD-CBD-CGD-O2D
25	c	609	CLA	CAD-CBD-CGD-O2D
25	c	612	CLA	CAD-CBD-CGD-O2D
25	e	605	CLA	CAD-CBD-CGD-O2D
25	e	612	CLA	CAD-CBD-CGD-O2D
25	i	612	CLA	CAD-CBD-CGD-O2D
25	j	612	CLA	CAD-CBD-CGD-O2D
25	k	611	CLA	CAD-CBD-CGD-O2D
25	k	612	CLA	CAD-CBD-CGD-O2D
25	l	608	CLA	CAD-CBD-CGD-O2D
25	m	603	CLA	CAD-CBD-CGD-O2D
25	f	614	CLA	CAD-CBD-CGD-O2D
25	g	603	CLA	CAD-CBD-CGD-O2D
25	g	608	CLA	CAD-CBD-CGD-O2D
25	n	605	CLA	CAD-CBD-CGD-O2D
25	n	610	CLA	CAD-CBD-CGD-O2D
25	p	602	CLA	CAD-CBD-CGD-O2D
31	b	621	DD6	C24-C25-C26-C27
25	A	806	CLA	CAA-CBA-CGA-O1A
25	n	604	CLA	C4C-C3C-CAC-CBC
25	a	603	CLA	CAA-CBA-CGA-O2A
25	B	758	CLA	C4-C3-C5-C6
25	B	785	CLA	CAA-CBA-CGA-O2A
25	m	602	CLA	C2-C3-C5-C6
25	A	805	CLA	CAA-CBA-CGA-O2A
25	i	610	CLA	CAA-CBA-CGA-O2A
29	M	201	BCR	C11-C12-C13-C14
31	h	620	DD6	C10-C11-C13-C14
31	i	625	DD6	C10-C11-C13-C14
31	j	620	DD6	C10-C11-C13-C14
31	b	620	DD6	C13-C14-C15-O1

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Mol	Chain	Res	Type	Atoms
31	m	621	DD6	C13-C14-C15-O1
34	b	182	DGD	C1G-C2G-C3G-O3G
25	a	611	CLA	CAA-CBA-CGA-O1A
25	A	759	CLA	CAA-CBA-CGA-O2A
25	B	749	CLA	CAA-CBA-CGA-O2A
27	m	182	LHG	O8-C23-C24-C25
25	A	780	CLA	O2A-C1-C2-C3
25	B	780	CLA	O2A-C1-C2-C3
25	c	608	CLA	O2A-C1-C2-C3
25	g	609	CLA	O2A-C1-C2-C3
25	A	780	CLA	O1A-CGA-O2A-C1
25	i	613	CLA	C2A-CAA-CBA-CGA
25	l	611	CLA	C2A-CAA-CBA-CGA
25	A	766	CLA	CAA-CBA-CGA-O2A
25	A	798	CLA	CAA-CBA-CGA-O2A
25	a	611	CLA	CAA-CBA-CGA-O2A
25	A	752	CLA	CHA-CBD-CGD-O1D
25	A	769	CLA	CHA-CBD-CGD-O2D
25	A	771	CLA	CHA-CBD-CGD-O2D
25	A	774	CLA	CHA-CBD-CGD-O2D
25	A	777	CLA	CHA-CBD-CGD-O2D
25	A	779	CLA	CHA-CBD-CGD-O2D
25	A	797	CLA	CHA-CBD-CGD-O1D
25	A	802	CLA	CHA-CBD-CGD-O1D
25	B	749	CLA	CHA-CBD-CGD-O2D
25	B	750	CLA	CHA-CBD-CGD-O2D
25	B	756	CLA	CHA-CBD-CGD-O2D
25	B	758	CLA	CHA-CBD-CGD-O2D
25	B	772	CLA	CHA-CBD-CGD-O1D
25	B	772	CLA	CHA-CBD-CGD-O2D
25	B	781	CLA	CHA-CBD-CGD-O1D
25	B	781	CLA	CHA-CBD-CGD-O2D
25	J	101	CLA	CHA-CBD-CGD-O2D
25	a	602	CLA	CHA-CBD-CGD-O2D
25	a	604	CLA	CHA-CBD-CGD-O1D
25	a	611	CLA	CHA-CBD-CGD-O2D
25	b	612	CLA	CHA-CBD-CGD-O1D
25	c	601	CLA	CHA-CBD-CGD-O1D
25	c	602	CLA	CHA-CBD-CGD-O2D
25	c	606	CLA	CHA-CBD-CGD-O2D
25	c	619	CLA	CHA-CBD-CGD-O2D
25	d	602	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
25	d	612	CLA	CHA-CBD-CGD-O2D
25	e	601	CLA	CHA-CBD-CGD-O2D
25	e	607	CLA	CHA-CBD-CGD-O1D
25	h	603	CLA	CHA-CBD-CGD-O1D
25	h	611	CLA	CHA-CBD-CGD-O2D
25	h	613	CLA	CHA-CBD-CGD-O2D
25	i	601	CLA	CHA-CBD-CGD-O2D
25	i	614	CLA	CHA-CBD-CGD-O2D
25	j	601	CLA	CHA-CBD-CGD-O2D
25	j	602	CLA	CHA-CBD-CGD-O2D
25	j	604	CLA	CHA-CBD-CGD-O2D
25	l	601	CLA	CHA-CBD-CGD-O2D
25	l	602	CLA	CHA-CBD-CGD-O2D
25	l	614	CLA	CHA-CBD-CGD-O2D
25	m	601	CLA	CHA-CBD-CGD-O2D
25	m	602	CLA	CHA-CBD-CGD-O2D
25	m	604	CLA	CHA-CBD-CGD-O2D
25	f	604	CLA	CHA-CBD-CGD-O1D
25	f	615	CLA	CHA-CBD-CGD-O2D
25	g	602	CLA	CHA-CBD-CGD-O2D
25	g	604	CLA	CHA-CBD-CGD-O2D
25	g	612	CLA	CHA-CBD-CGD-O2D
25	n	602	CLA	CHA-CBD-CGD-O2D
25	n	603	CLA	CHA-CBD-CGD-O2D
25	n	605	CLA	CHA-CBD-CGD-O2D
25	p	608	CLA	CHA-CBD-CGD-O1D
25	p	612	CLA	CHA-CBD-CGD-O1D
25	B	753	CLA	CAA-CBA-CGA-O2A
25	n	603	CLA	CAA-CBA-CGA-O2A
25	A	770	CLA	C3-C5-C6-C7
27	m	182	LHG	O6-C4-C5-C6
25	c	609	CLA	CAA-CBA-CGA-O2A
25	k	610	CLA	CAA-CBA-CGA-O2A
33	k	179	LMG	O7-C8-C9-O8
25	A	760	CLA	CAA-CBA-CGA-O2A
25	f	610	CLA	CAA-CBA-CGA-O2A
25	e	604	CLA	C2A-CAA-CBA-CGA
25	e	609	CLA	C2A-CAA-CBA-CGA
27	g	189	LHG	O1-C1-C2-O2
27	A	756	LHG	C24-C23-O8-C6
34	B	787	DGD	O2G-C1B-C2B-C3B
25	B	774	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
25	B	779	CLA	C11-C12-C13-C15
25	B	748	CLA	C6-C7-C8-C9
25	B	774	CLA	C6-C7-C8-C9
25	i	602	CLA	C14-C13-C15-C16
28	A	785	PQN	C24-C23-C25-C26
31	g	621	DD6	C24-C25-C26-C27
35	d	608	CHL	CAA-CBA-CGA-O2A
25	A	807	CLA	CBA-CGA-O2A-C1
25	A	768	CLA	CAA-CBA-CGA-O2A
25	i	601	CLA	CAA-CBA-CGA-O2A
30	A	795	SQD	C4-C5-C6-S
30	g	190	SQD	C4-C5-C6-S
25	B	741	CLA	CBD-CGD-O2D-CED
25	j	604	CLA	C1-C2-C3-C5
27	b	181	LHG	C30-C31-C32-C33
25	i	615	CLA	CAA-CBA-CGA-O1A
25	h	602	CLA	CAA-CBA-CGA-O2A
27	a	181	LHG	O8-C23-C24-C25
29	B	764	BCR	C7-C8-C9-C34
25	j	610	CLA	C8-C10-C11-C12
27	i	194	LHG	O1-C1-C2-C3
25	i	601	CLA	CAA-CBA-CGA-O1A
25	n	603	CLA	CAA-CBA-CGA-O1A
29	B	764	BCR	C7-C8-C9-C10
25	A	757	CLA	C1A-C2A-CAA-CBA
25	A	770	CLA	C1A-C2A-CAA-CBA
25	A	805	CLA	C1A-C2A-CAA-CBA
25	B	770	CLA	C1A-C2A-CAA-CBA
25	B	772	CLA	C1A-C2A-CAA-CBA
25	B	777	CLA	C1A-C2A-CAA-CBA
25	a	604	CLA	C1A-C2A-CAA-CBA
25	b	605	CLA	C1A-C2A-CAA-CBA
25	i	615	CLA	C1A-C2A-CAA-CBA
25	l	613	CLA	C1A-C2A-CAA-CBA
25	m	604	CLA	C1A-C2A-CAA-CBA
25	m	609	CLA	C1A-C2A-CAA-CBA
25	m	612	CLA	C1A-C2A-CAA-CBA
25	f	613	CLA	C1A-C2A-CAA-CBA
25	n	609	CLA	C1A-C2A-CAA-CBA
25	o	612	CLA	C1A-C2A-CAA-CBA
25	b	612	CLA	CAA-CBA-CGA-O1A
25	m	603	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
25	l	602	CLA	O1A-CGA-O2A-C1
25	k	613	CLA	C2-C1-O2A-CGA
25	c	608	CLA	CAA-CBA-CGA-O1A
25	f	610	CLA	CAA-CBA-CGA-O1A
27	m	182	LHG	O10-C23-C24-C25
27	g	189	LHG	C4-C5-C6-O8
25	A	781	CLA	C2A-CAA-CBA-CGA
25	B	785	CLA	C2A-CAA-CBA-CGA
25	e	602	CLA	C2A-CAA-CBA-CGA
25	g	602	CLA	C2A-CAA-CBA-CGA
25	A	798	CLA	CBD-CGD-O2D-CED
25	B	768	CLA	CBD-CGD-O2D-CED
25	l	610	CLA	CAA-CBA-CGA-O1A
27	a	181	LHG	O10-C23-C24-C25
25	B	779	CLA	C4-C3-C5-C6
25	B	745	CLA	C13-C15-C16-C17
25	B	739	CLA	CAA-CBA-CGA-O1A
25	h	609	CLA	CAA-CBA-CGA-O1A
25	j	612	CLA	CAA-CBA-CGA-O1A
27	A	786	LHG	O10-C23-C24-C25
25	A	782	CLA	O2A-C1-C2-C3
25	f	602	CLA	C11-C12-C13-C14
27	A	756	LHG	C4-O6-P-O5
27	a	181	LHG	C4-O6-P-O4
27	m	182	LHG	C4-O6-P-O5
25	A	763	CLA	C16-C17-C18-C19
25	m	613	CLA	C4C-C3C-CAC-CBC
33	a	182	LMG	O7-C10-C11-C12
29	A	790	BCR	C23-C24-C25-C26
25	A	764	CLA	C10-C11-C12-C13
25	i	602	CLA	C5-C6-C7-C8
31	n	620	DD6	C11-C13-C14-C15
25	a	608	CLA	CAA-CBA-CGA-O1A
25	B	736	CLA	CAA-CBA-CGA-O1A
25	c	603	CLA	CAA-CBA-CGA-O1A
25	b	605	CLA	CAA-CBA-CGA-O1A
25	c	608	CLA	CAA-CBA-CGA-O2A
27	A	786	LHG	O7-C7-C8-C9
25	J	101	CLA	CAA-CBA-CGA-O1A
25	A	780	CLA	C4-C3-C5-C6
25	A	799	CLA	CAD-CBD-CGD-O1D
25	A	807	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
25	B	776	CLA	CAD-CBD-CGD-O1D
25	a	612	CLA	CAD-CBD-CGD-O1D
25	b	603	CLA	CAD-CBD-CGD-O1D
25	d	603	CLA	CAD-CBD-CGD-O1D
25	h	601	CLA	CAD-CBD-CGD-O1D
25	h	613	CLA	CAD-CBD-CGD-O1D
25	k	603	CLA	CAD-CBD-CGD-O1D
25	l	603	CLA	CAD-CBD-CGD-O1D
25	g	603	CLA	CAD-CBD-CGD-O1D
25	g	604	CLA	CAD-CBD-CGD-O1D
25	c	613	CLA	O1A-CGA-O2A-C1
30	c	245	SQD	O10-C23-C24-C25
25	p	609	CLA	C4C-C3C-CAC-CBC
25	A	769	CLA	C14-C13-C15-C16
25	B	779	CLA	C11-C12-C13-C14
25	c	609	CLA	C11-C10-C8-C9
33	i	195	LMG	C31-C32-C33-C34
25	A	752	CLA	C10-C11-C12-C13
25	A	760	CLA	C8-C10-C11-C12
25	g	609	CLA	C1-C2-C3-C5
25	A	752	CLA	CAA-CBA-CGA-O1A
25	A	760	CLA	CAA-CBA-CGA-O1A
25	h	601	CLA	CAA-CBA-CGA-O1A
25	l	609	CLA	C11-C12-C13-C15
25	A	755	CLA	CAA-CBA-CGA-O2A
25	a	619	CLA	CAA-CBA-CGA-O2A
25	m	603	CLA	CAA-CBA-CGA-O2A
25	n	602	CLA	CAA-CBA-CGA-O2A
27	b	181	LHG	O8-C23-C24-C25
35	d	606	CHL	CAA-CBA-CGA-O1A
34	B	787	DGD	O1B-C1B-C2B-C3B
28	B	761	PQN	C23-C25-C26-C27
25	A	769	CLA	CBD-CGD-O2D-CED
30	j	200	SQD	C26-C27-C28-C29
25	A	774	CLA	CAA-CBA-CGA-O2A
25	c	603	CLA	CAA-CBA-CGA-O2A
27	m	182	LHG	O7-C7-C8-C9
25	b	609	CLA	CAA-CBA-CGA-O2A
27	a	181	LHG	C5-C4-O6-P
25	A	753	CLA	C12-C13-C15-C16
25	A	757	CLA	C3A-C2A-CAA-CBA
25	A	771	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
25	A	794	CLA	C6-C7-C8-C10
25	A	805	CLA	C3A-C2A-CAA-CBA
25	B	752	CLA	C2-C3-C5-C6
25	B	784	CLA	C3A-C2A-CAA-CBA
25	a	602	CLA	C6-C7-C8-C10
25	e	602	CLA	C11-C10-C8-C7
25	e	605	CLA	C3A-C2A-CAA-CBA
25	k	601	CLA	C3A-C2A-CAA-CBA
25	l	601	CLA	C3A-C2A-CAA-CBA
25	l	613	CLA	C3A-C2A-CAA-CBA
25	f	613	CLA	C11-C10-C8-C7
25	g	614	CLA	C3A-C2A-CAA-CBA
25	p	612	CLA	C3A-C2A-CAA-CBA
25	B	753	CLA	CAA-CBA-CGA-O1A
25	j	604	CLA	CAA-CBA-CGA-O1A
27	b	181	LHG	O10-C23-C24-C25
25	B	737	CLA	CAA-CBA-CGA-O2A
25	b	612	CLA	CAA-CBA-CGA-O2A
25	i	615	CLA	CAA-CBA-CGA-O2A
25	j	610	CLA	CAA-CBA-CGA-O2A
25	j	612	CLA	CAA-CBA-CGA-O2A
25	B	774	CLA	C1-C2-C3-C5
25	A	807	CLA	C2C-C3C-CAC-CBC
25	A	798	CLA	CAA-CBA-CGA-O1A
25	h	610	CLA	O1D-CGD-O2D-CED
25	c	609	CLA	CAA-CBA-CGA-O1A
25	i	610	CLA	CAA-CBA-CGA-O1A
27	b	181	LHG	O2-C2-C3-O3
27	d	237	LHG	O2-C2-C3-O3
25	B	736	CLA	CAA-CBA-CGA-O2A
25	h	608	CLA	CAA-CBA-CGA-O1A
33	a	182	LMG	O9-C10-C11-C12
25	n	604	CLA	C2A-CAA-CBA-CGA
25	A	763	CLA	CBA-CGA-O2A-C1
25	A	794	CLA	CAA-CBA-CGA-O1A
25	a	619	CLA	CAA-CBA-CGA-O1A
27	A	786	LHG	O9-C7-C8-C9
35	d	605	CHL	CAA-CBA-CGA-O1A
25	a	608	CLA	C4-C3-C5-C6
25	a	608	CLA	CAA-CBA-CGA-O2A
25	h	609	CLA	CAA-CBA-CGA-O2A

There are no ring outliers.

259 monomers are involved in 540 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
27	c	243	LHG	3	0
25	a	608	CLA	3	0
25	c	601	CLA	1	0
25	B	737	CLA	4	0
25	B	773	CLA	5	0
25	i	612	CLA	1	0
25	l	604	CLA	1	0
25	d	604	CLA	2	0
25	o	614	CLA	4	0
25	b	601	CLA	1	0
27	A	786	LHG	5	0
25	B	771	CLA	3	0
27	A	756	LHG	2	0
25	b	602	CLA	1	0
25	B	747	CLA	4	0
35	d	605	CHL	1	0
31	d	623	DD6	1	0
28	A	785	PQN	5	0
25	a	619	CLA	5	0
25	c	602	CLA	2	0
25	A	777	CLA	4	0
25	h	613	CLA	3	0
25	h	603	CLA	1	0
29	B	766	BCR	8	0
25	a	601	CLA	1	0
27	j	198	LHG	4	0
25	c	608	CLA	3	0
25	n	607	CLA	1	0
25	c	603	CLA	4	0
29	A	796	BCR	2	0
25	f	615	CLA	1	0
25	B	751	CLA	4	0
25	g	613	CLA	3	0
25	c	612	CLA	3	0
25	A	805	CLA	2	0
25	A	780	CLA	3	0
25	B	757	CLA	2	0
25	B	770	CLA	1	0
25	f	614	CLA	1	0
25	k	603	CLA	1	0
29	A	789	BCR	1	0
25	g	608	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
25	B	736	CLA	9	0
25	A	775	CLA	7	0
35	d	606	CHL	2	0
25	B	782	CLA	4	0
25	j	601	CLA	4	0
29	B	764	BCR	5	0
25	A	766	CLA	5	0
25	h	610	CLA	9	0
25	l	610	CLA	4	0
25	A	764	CLA	1	0
25	A	801	CLA	1	0
25	B	753	CLA	6	0
25	B	739	CLA	5	0
25	b	608	CLA	1	0
25	A	774	CLA	3	0
25	m	613	CLA	1	0
25	a	602	CLA	7	0
25	d	611	CLA	1	0
25	i	615	CLA	2	0
25	i	604	CLA	1	0
25	B	785	CLA	3	0
25	j	609	CLA	2	0
25	B	752	CLA	6	0
25	m	602	CLA	5	0
25	B	750	CLA	4	0
25	h	611	CLA	1	0
25	g	610	CLA	7	0
25	A	773	CLA	3	0
25	e	613	CLA	1	0
29	A	788	BCR	3	0
30	g	190	SQD	2	0
25	o	609	CLA	1	0
25	m	603	CLA	1	0
25	d	603	CLA	2	0
25	l	602	CLA	4	0
25	B	749	CLA	1	0
25	B	783	CLA	3	0
25	B	784	CLA	2	0
25	k	609	CLA	1	0
25	A	757	CLA	1	0
25	A	793	CLA	3	0
25	p	613	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
25	d	602	CLA	1	0
25	B	772	CLA	3	0
29	A	790	BCR	2	0
25	c	611	CLA	3	0
29	M	201	BCR	2	0
25	h	604	CLA	2	0
25	B	744	CLA	1	0
25	A	798	CLA	3	0
25	n	610	CLA	1	0
25	j	618	CLA	1	0
25	A	781	CLA	2	0
25	a	610	CLA	3	0
33	k	179	LMG	3	0
25	a	609	CLA	1	0
25	g	603	CLA	1	0
25	B	775	CLA	5	0
25	f	613	CLA	3	0
25	g	612	CLA	1	0
25	A	782	CLA	2	0
25	l	608	CLA	1	0
25	A	763	CLA	3	0
25	g	615	CLA	1	0
25	e	608	CLA	3	0
31	n	621	DD6	1	0
25	A	797	CLA	2	0
25	A	808	CLA	2	0
25	b	612	CLA	4	0
27	d	237	LHG	3	0
25	A	776	CLA	3	0
25	j	611	CLA	2	0
27	a	181	LHG	1	0
27	i	194	LHG	2	0
25	k	618	CLA	2	0
25	m	610	CLA	3	0
25	p	602	CLA	3	0
25	e	610	CLA	4	0
25	k	612	CLA	1	0
25	B	755	CLA	2	0
25	a	611	CLA	1	0
25	n	608	CLA	3	0
25	B	780	CLA	2	0
25	i	602	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
25	B	779	CLA	2	0
25	p	608	CLA	1	0
27	h	189	LHG	1	0
25	h	609	CLA	2	0
25	e	604	CLA	1	0
25	e	605	CLA	1	0
25	B	748	CLA	1	0
27	b	181	LHG	3	0
25	A	758	CLA	6	0
25	d	610	CLA	4	0
25	g	609	CLA	3	0
25	l	614	CLA	3	0
25	A	804	CLA	2	0
25	A	800	CLA	2	0
25	n	609	CLA	1	0
25	A	765	CLA	3	0
25	B	778	CLA	7	0
25	f	608	CLA	1	0
29	A	787	BCR	3	0
25	h	601	CLA	3	0
25	A	799	CLA	5	0
25	c	614	CLA	1	0
25	B	756	CLA	4	0
25	J	101	CLA	2	0
25	i	609	CLA	1	0
25	c	610	CLA	3	0
25	n	604	CLA	2	0
25	e	603	CLA	1	0
25	b	604	CLA	3	0
25	A	769	CLA	5	0
25	b	609	CLA	2	0
25	j	613	CLA	4	0
29	B	762	BCR	2	0
25	k	602	CLA	1	0
25	A	760	CLA	6	0
25	n	606	CLA	2	0
25	e	612	CLA	3	0
25	A	771	CLA	2	0
25	h	602	CLA	1	0
25	k	610	CLA	4	0
28	B	761	PQN	2	0
29	B	763	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
31	m	620	DD6	1	0
25	h	608	CLA	3	0
25	o	601	CLA	1	0
34	e	205	DGD	2	0
25	h	612	CLA	2	0
25	g	601	CLA	2	0
25	B	758	CLA	5	0
25	B	741	CLA	3	0
31	a	621	DD6	1	0
25	h	615	CLA	2	0
27	h	190	LHG	2	0
25	A	784	CLA	7	0
25	o	612	CLA	1	0
25	B	759	CLA	1	0
25	k	604	CLA	1	0
25	B	745	CLA	3	0
25	A	772	CLA	4	0
25	f	604	CLA	1	0
25	A	761	CLA	3	0
25	i	603	CLA	2	0
25	a	603	CLA	1	0
31	i	621	DD6	1	0
25	B	776	CLA	4	0
25	a	604	CLA	1	0
35	c	607	CHL	3	0
25	c	606	CLA	1	0
29	B	765	BCR	4	0
25	l	617	CLA	1	0
25	d	614	CLA	1	0
25	c	613	CLA	2	0
25	j	610	CLA	3	0
25	B	760	CLA	3	0
33	B	786	LMG	5	0
25	i	614	CLA	1	0
25	A	755	CLA	2	0
25	A	791	CLA	6	0
29	B	767	BCR	3	0
25	l	603	CLA	1	0
25	B	777	CLA	5	0
25	B	781	CLA	9	0
25	B	738	CLA	3	0
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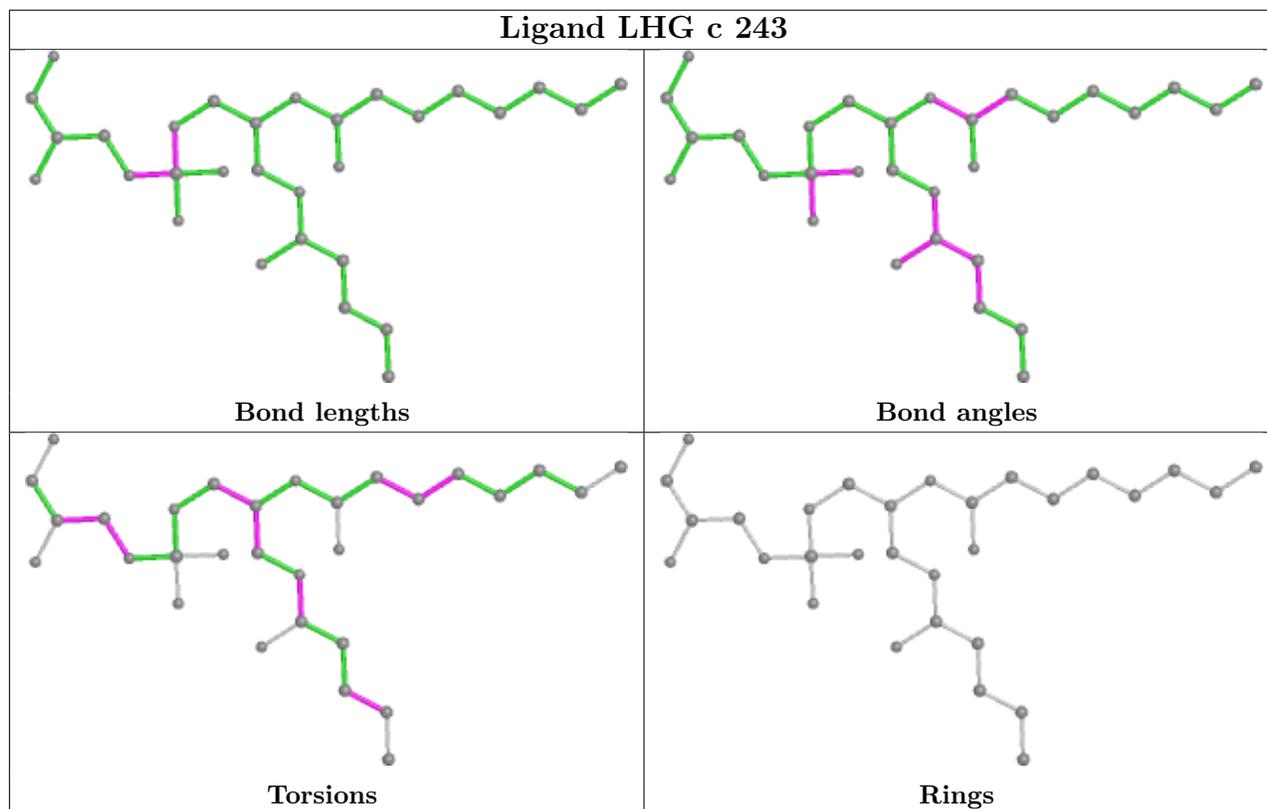
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25	A	767	CLA	3	0
35	d	607	CHL	2	0
25	i	608	CLA	2	0
25	j	608	CLA	1	0
25	l	609	CLA	3	0
25	p	609	CLA	1	0
25	l	613	CLA	1	0
31	m	621	DD6	1	0
25	e	602	CLA	4	0
25	k	608	CLA	3	0
29	A	792	BCR	3	0
25	n	602	CLA	2	0
25	m	601	CLA	5	0
27	m	182	LHG	2	0
25	A	752	CLA	7	0
25	k	613	CLA	2	0
25	m	608	CLA	1	0
34	b	182	DGD	3	0
25	A	768	CLA	3	0
35	d	608	CHL	2	0
25	f	602	CLA	2	0
25	p	610	CLA	1	0
25	i	613	CLA	2	0
25	n	603	CLA	3	0
25	i	610	CLA	3	0
25	n	612	CLA	1	0
25	a	613	CLA	2	0
25	g	602	CLA	3	0
25	j	604	CLA	2	0
25	o	602	CLA	2	0
25	d	613	CLA	1	0
25	f	610	CLA	1	0
34	B	787	DGD	2	0
25	b	610	CLA	2	0
25	b	605	CLA	1	0
25	c	609	CLA	2	0
25	e	611	CLA	1	0
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25	o	608	CLA	1	0
25	B	774	CLA	5	0
25	d	601	CLA	1	0

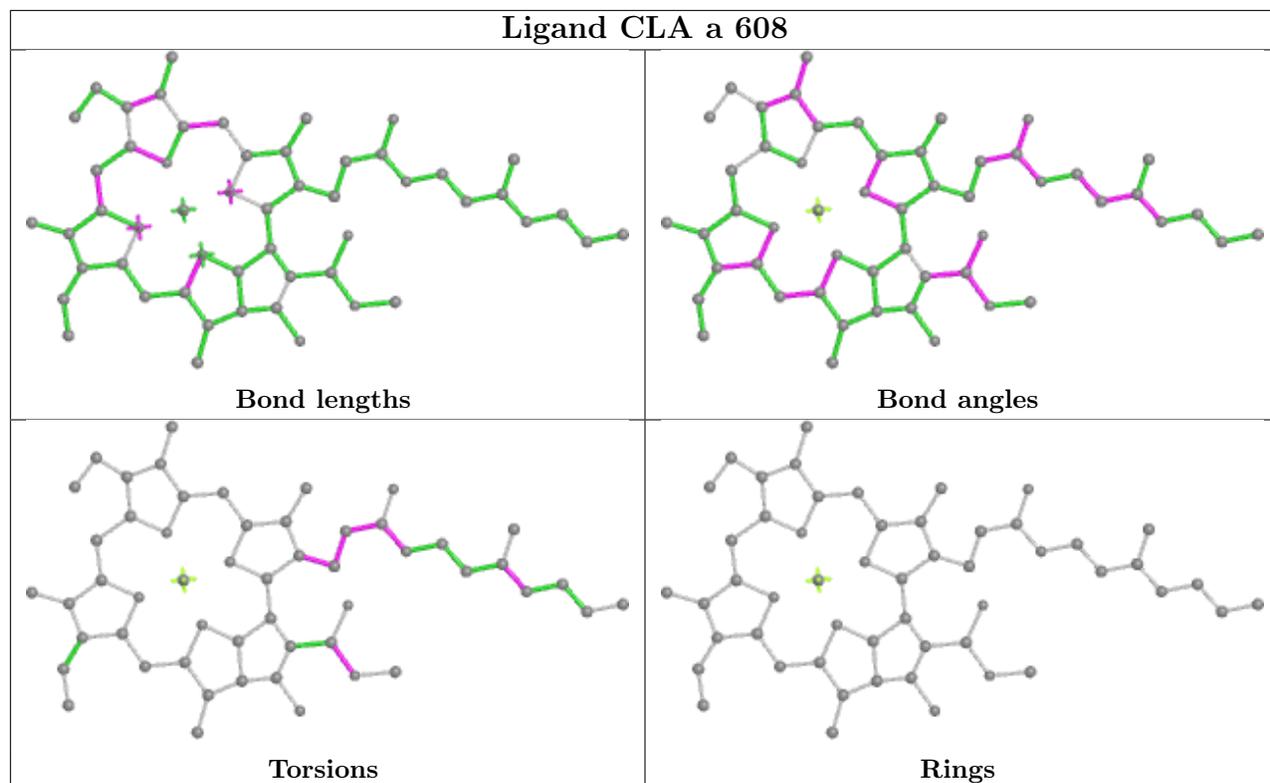
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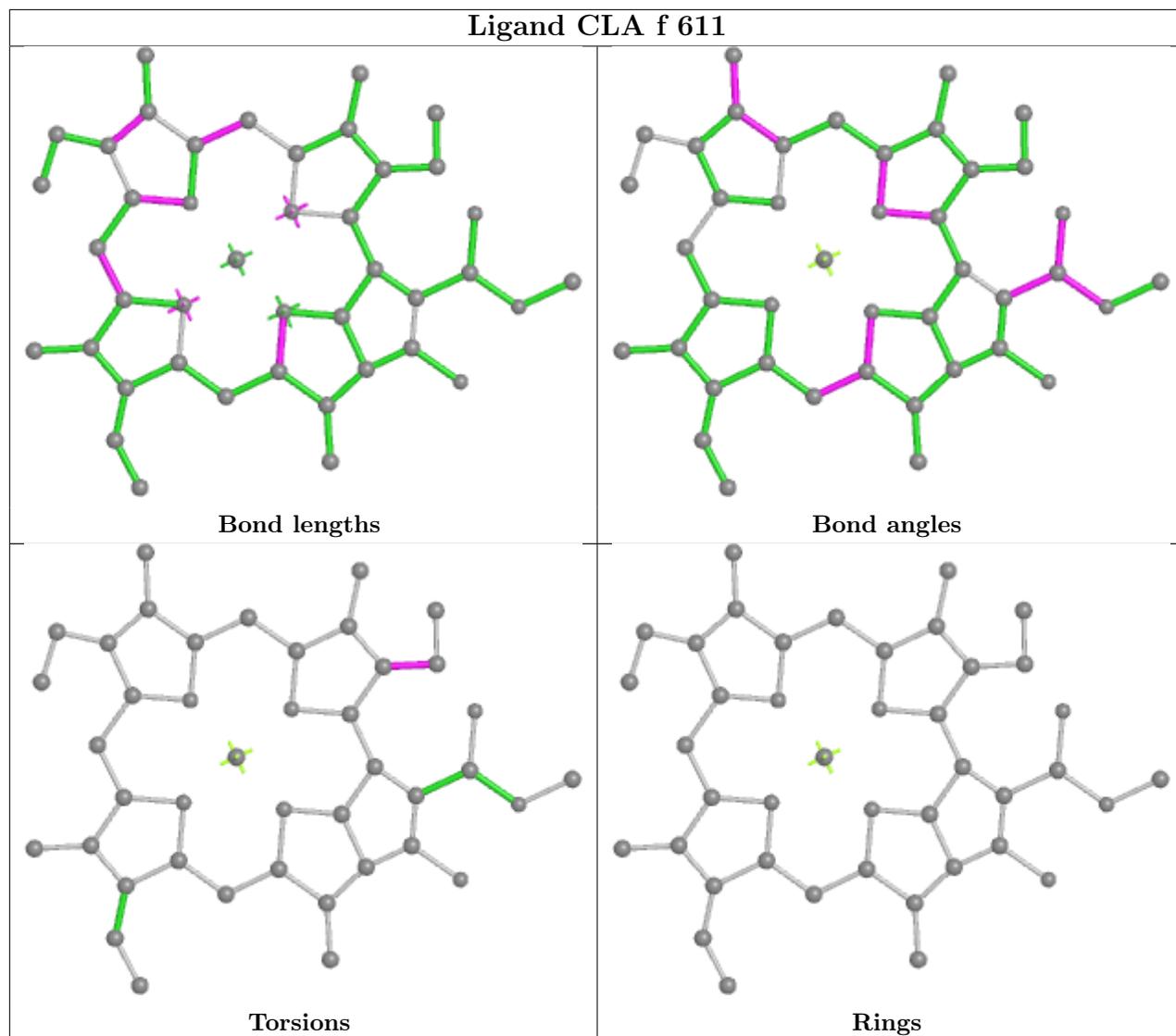
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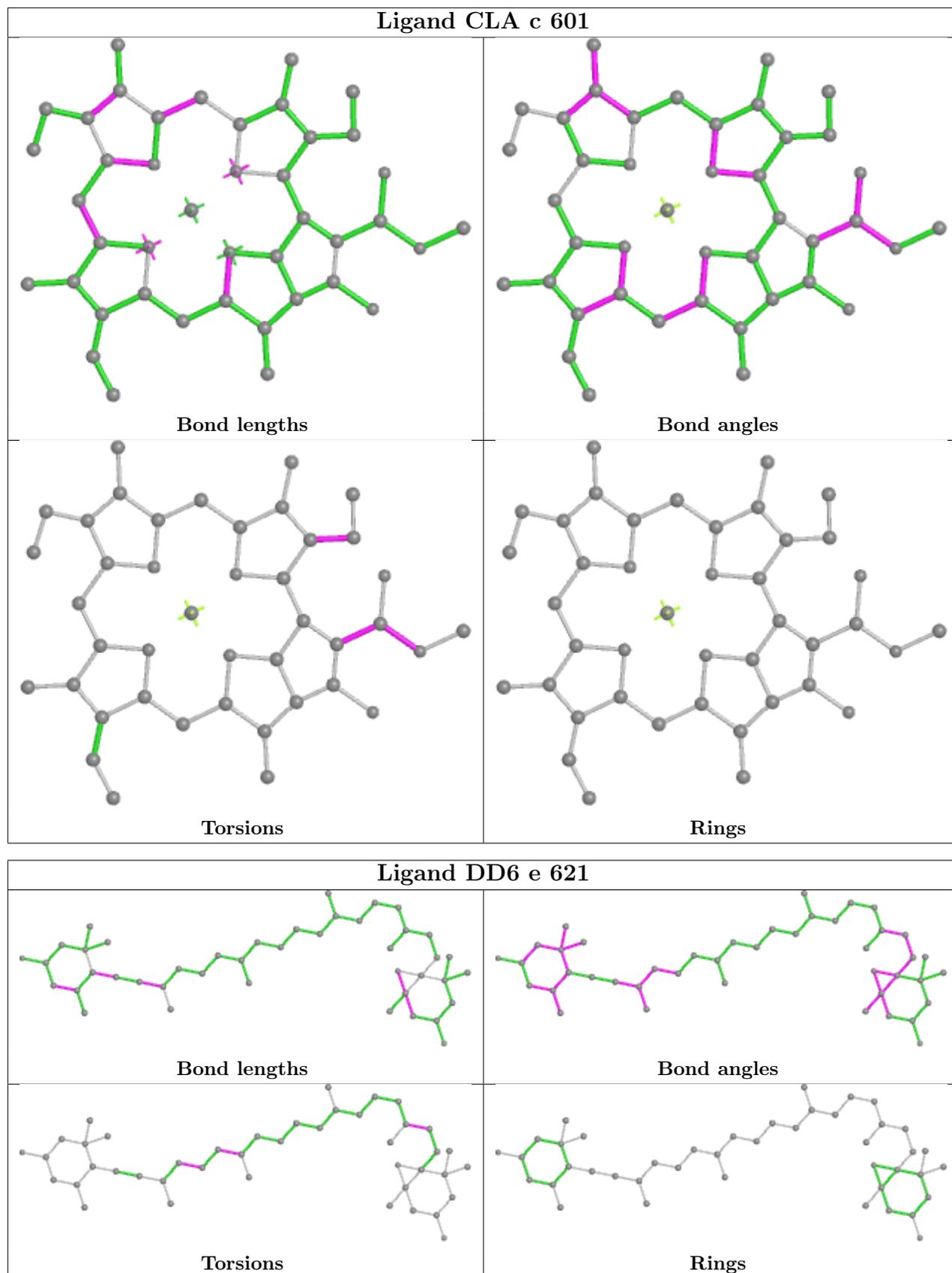
Mol	Chain	Res	Type	Clashes	Symm-Clashes
25	A	770	CLA	4	0
25	A	783	CLA	5	0
25	B	742	CLA	1	0
25	p	603	CLA	4	0
25	p	612	CLA	1	0
25	i	601	CLA	2	0
25	A	794	CLA	3	0

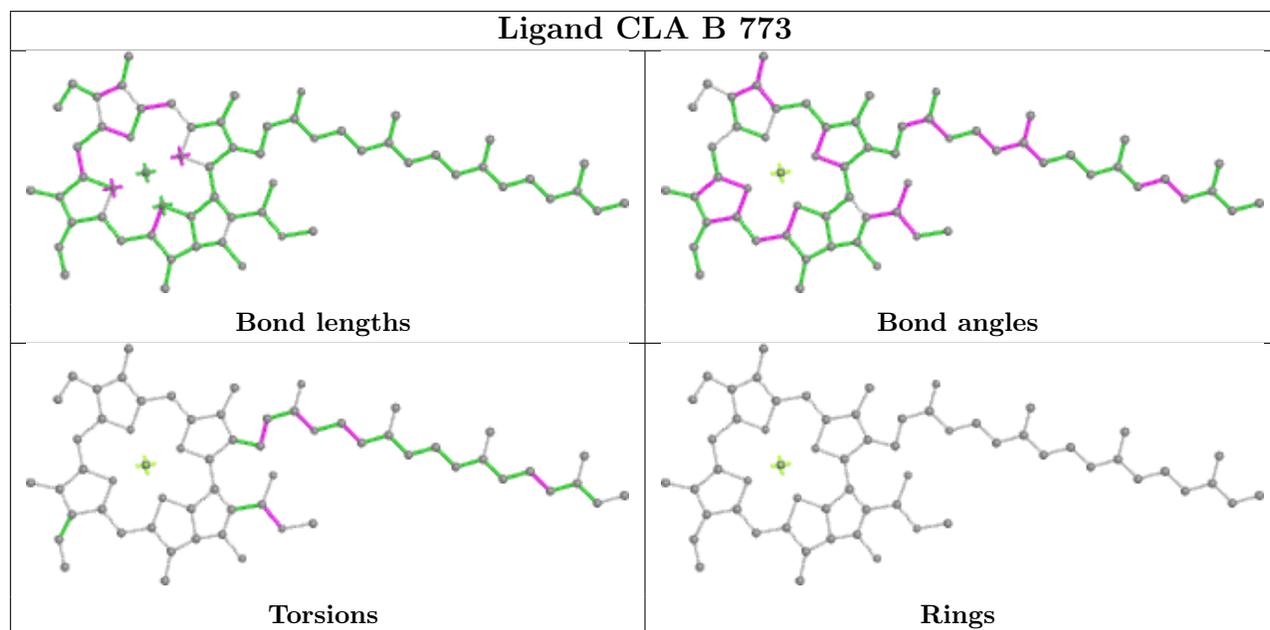
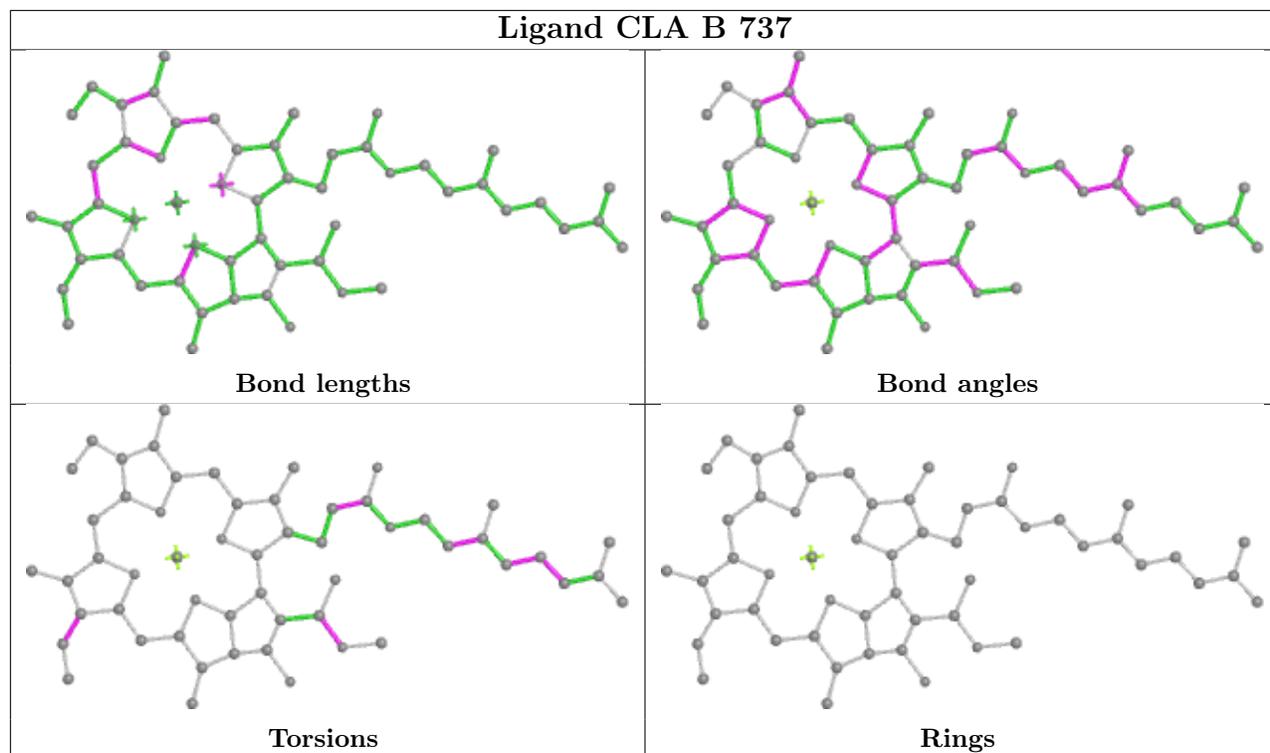
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

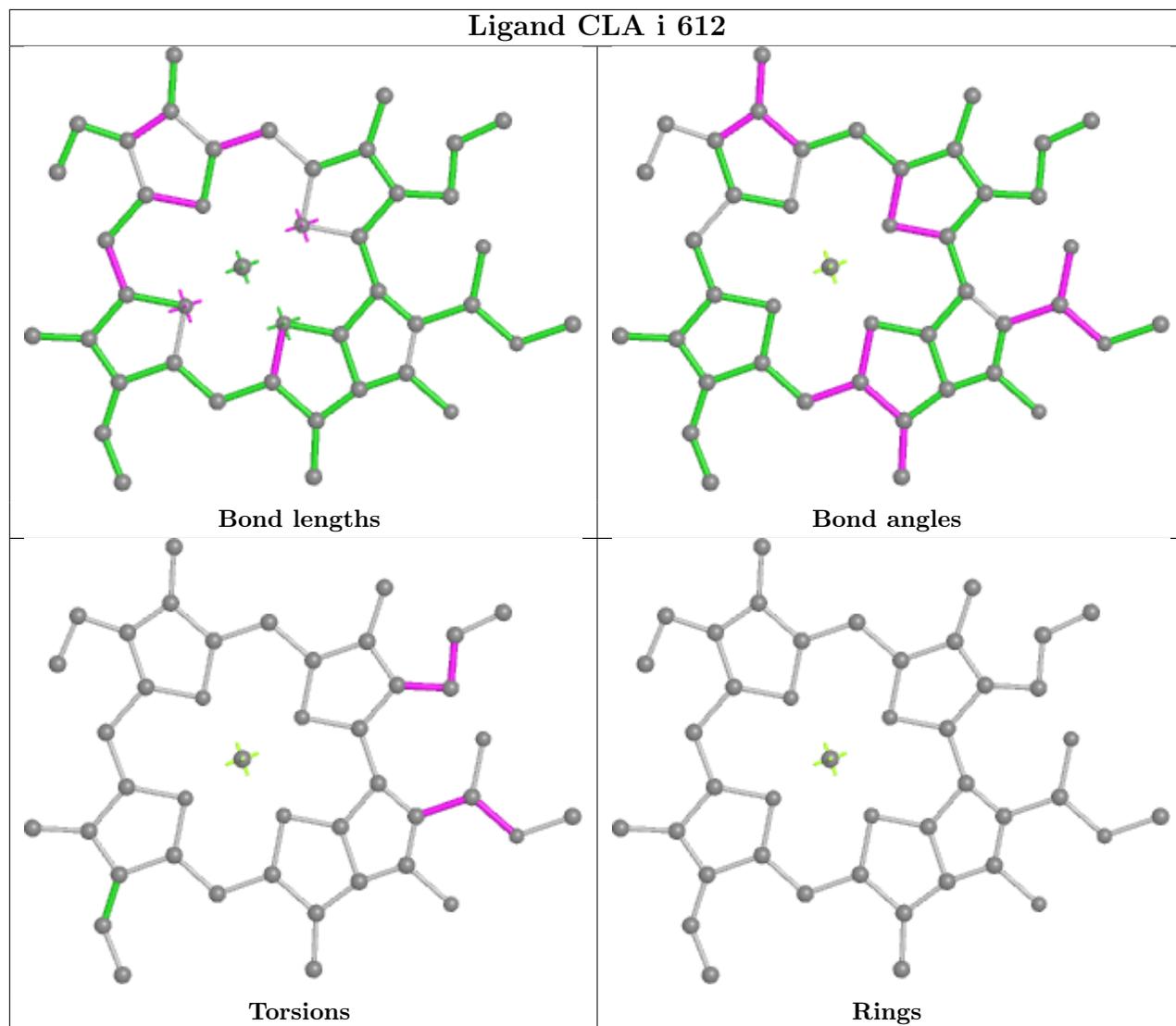


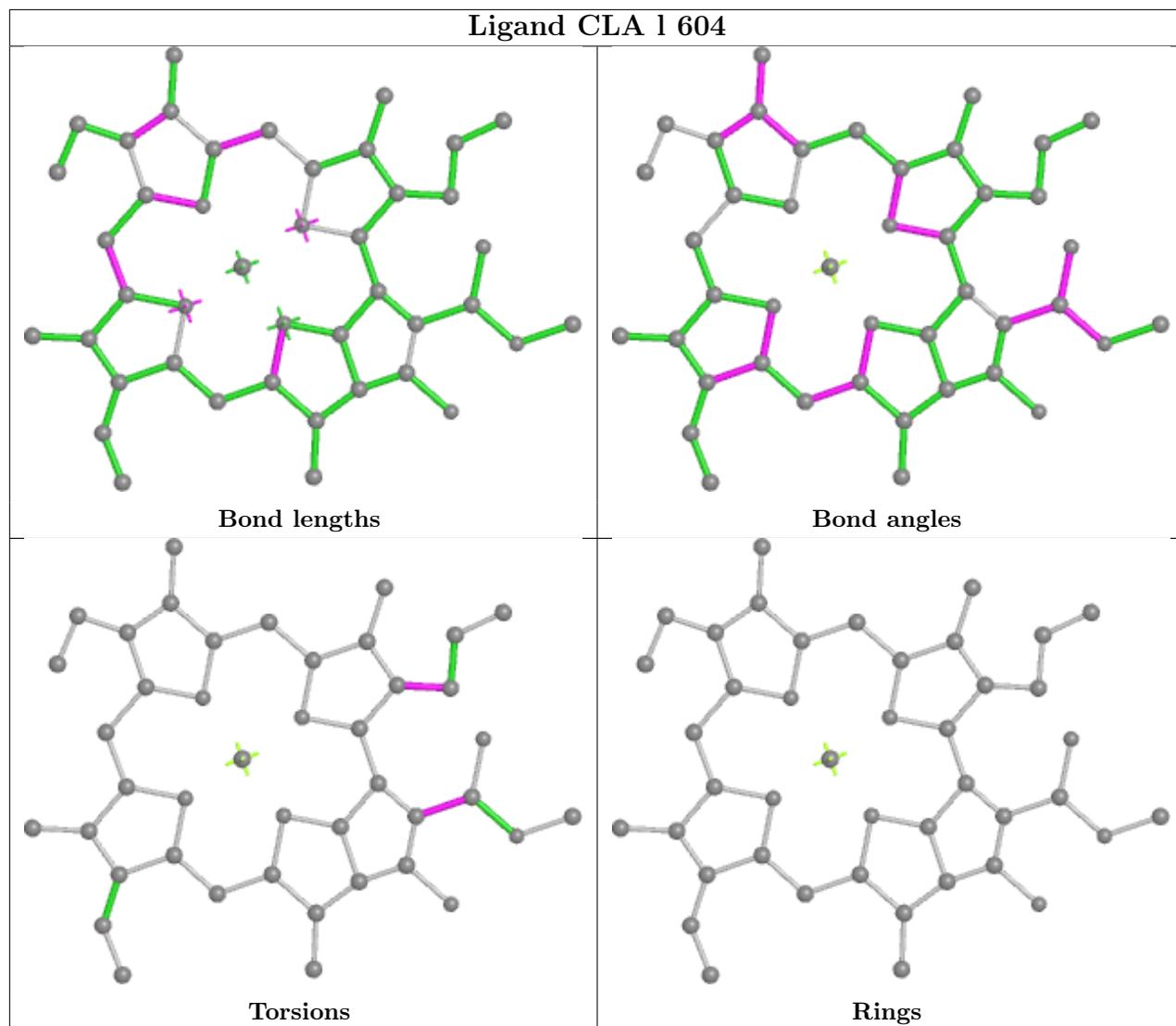


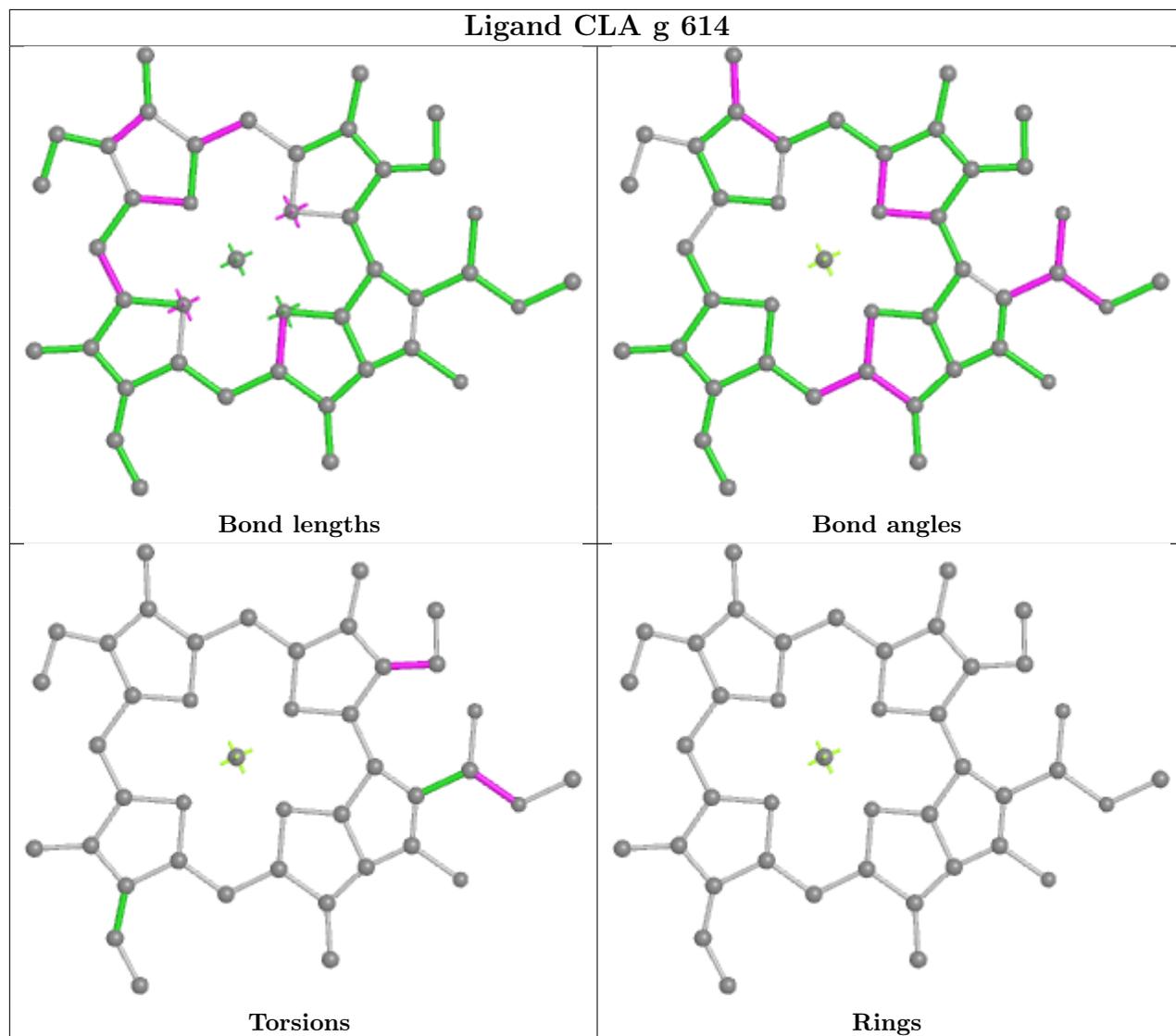


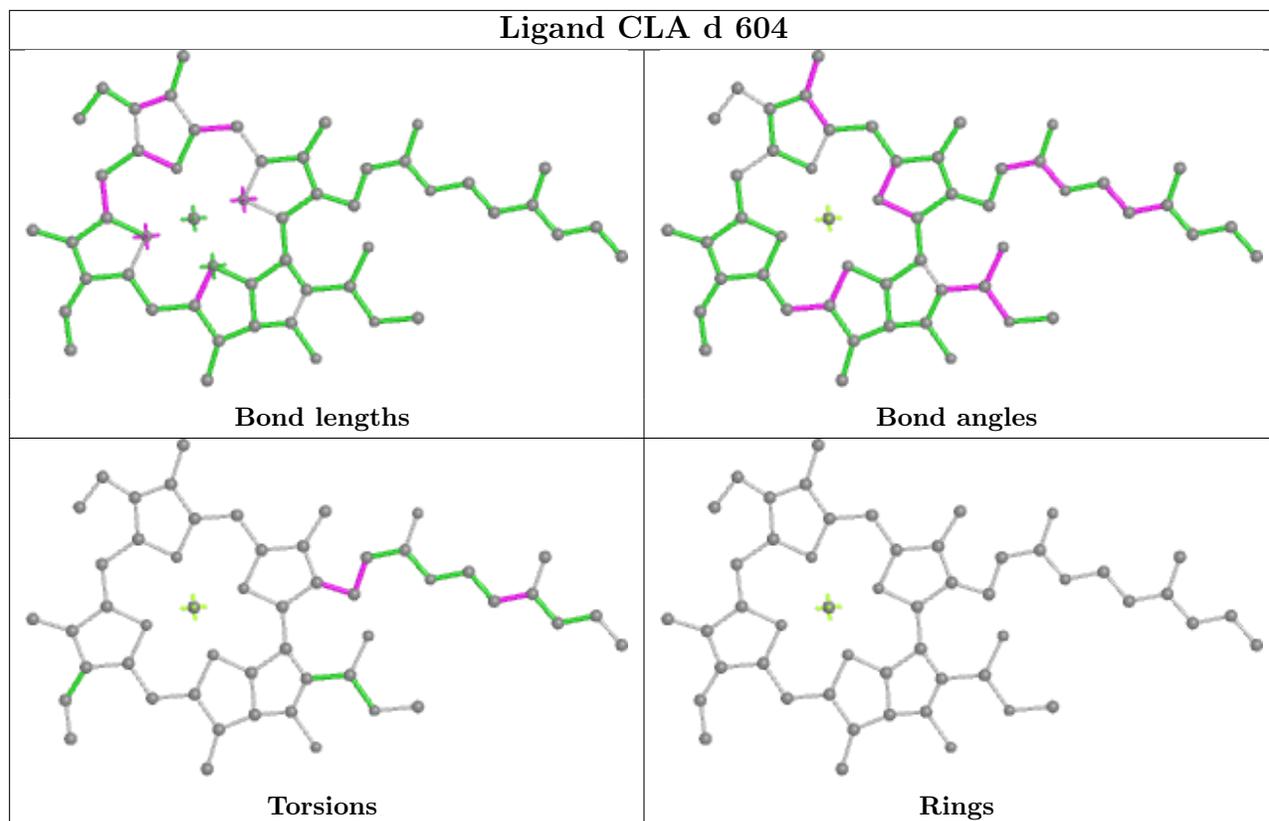


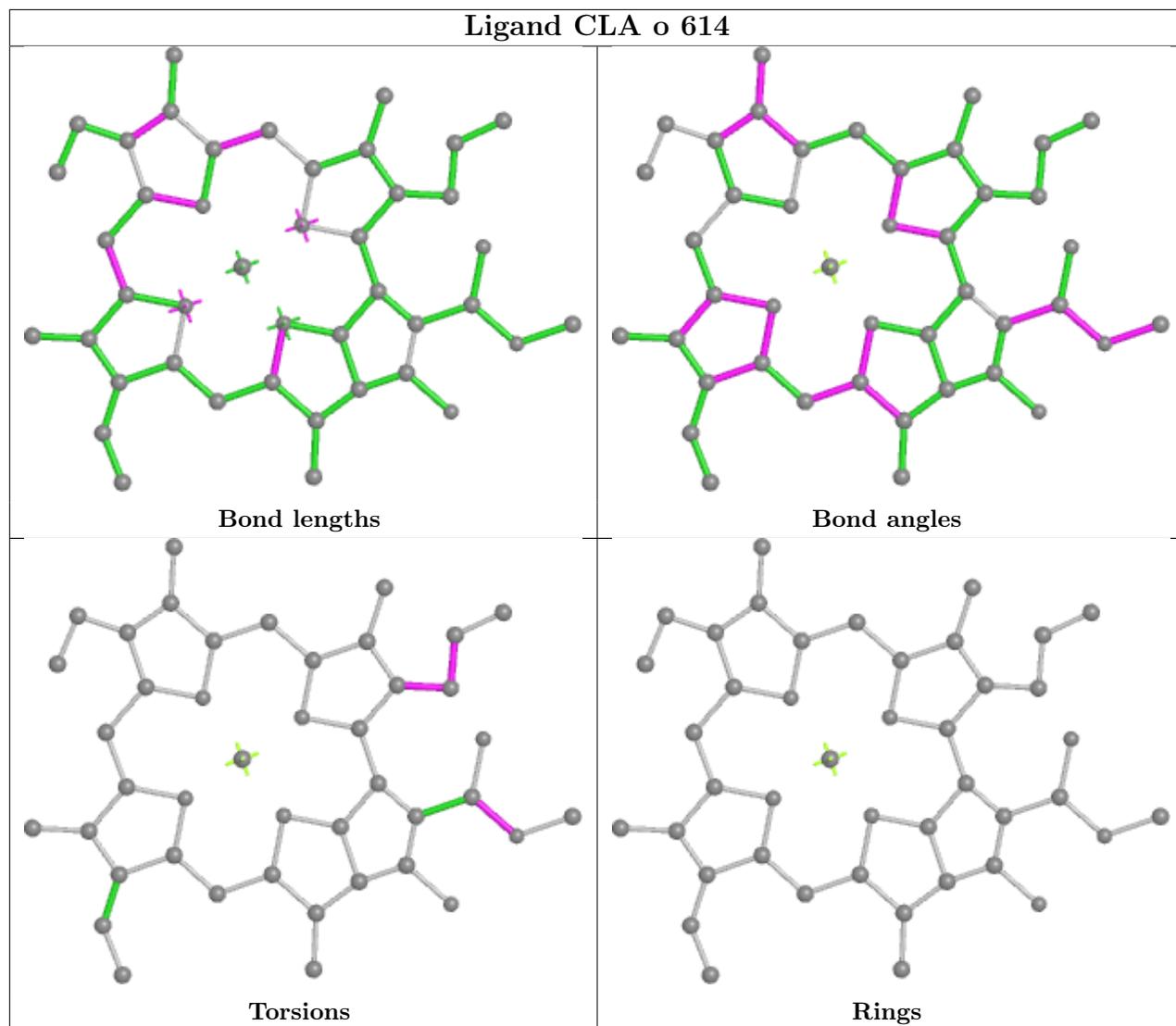


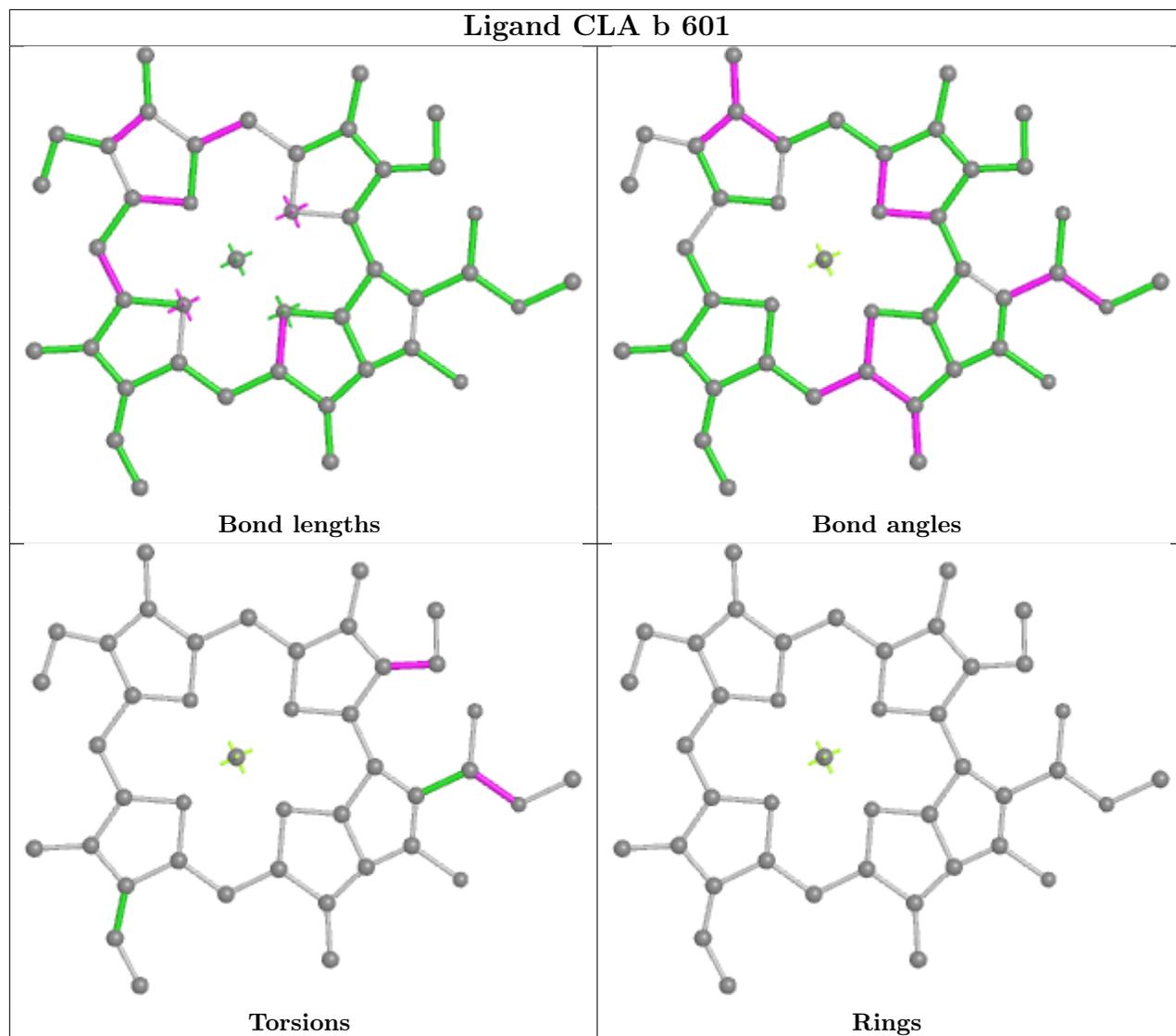


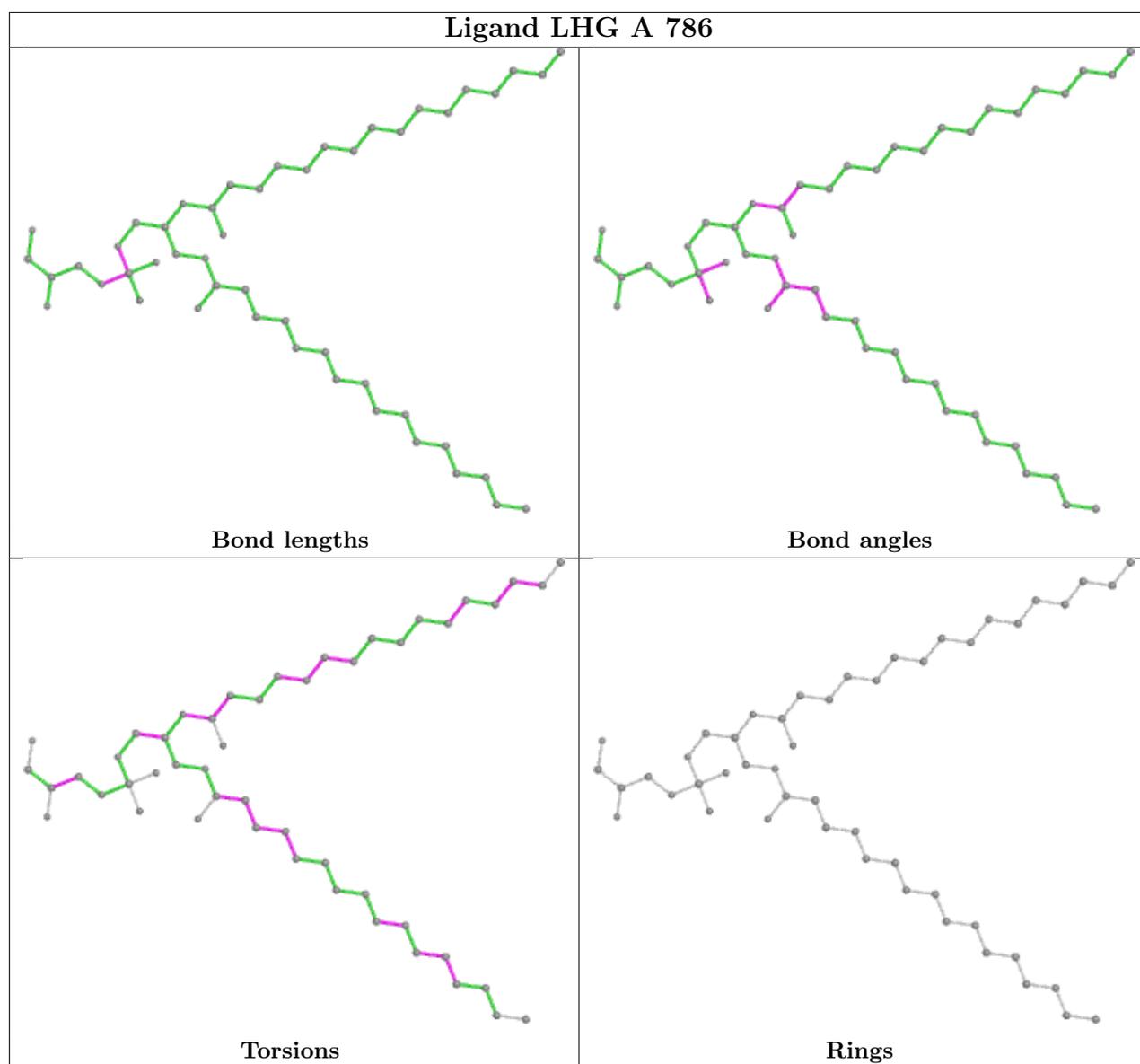


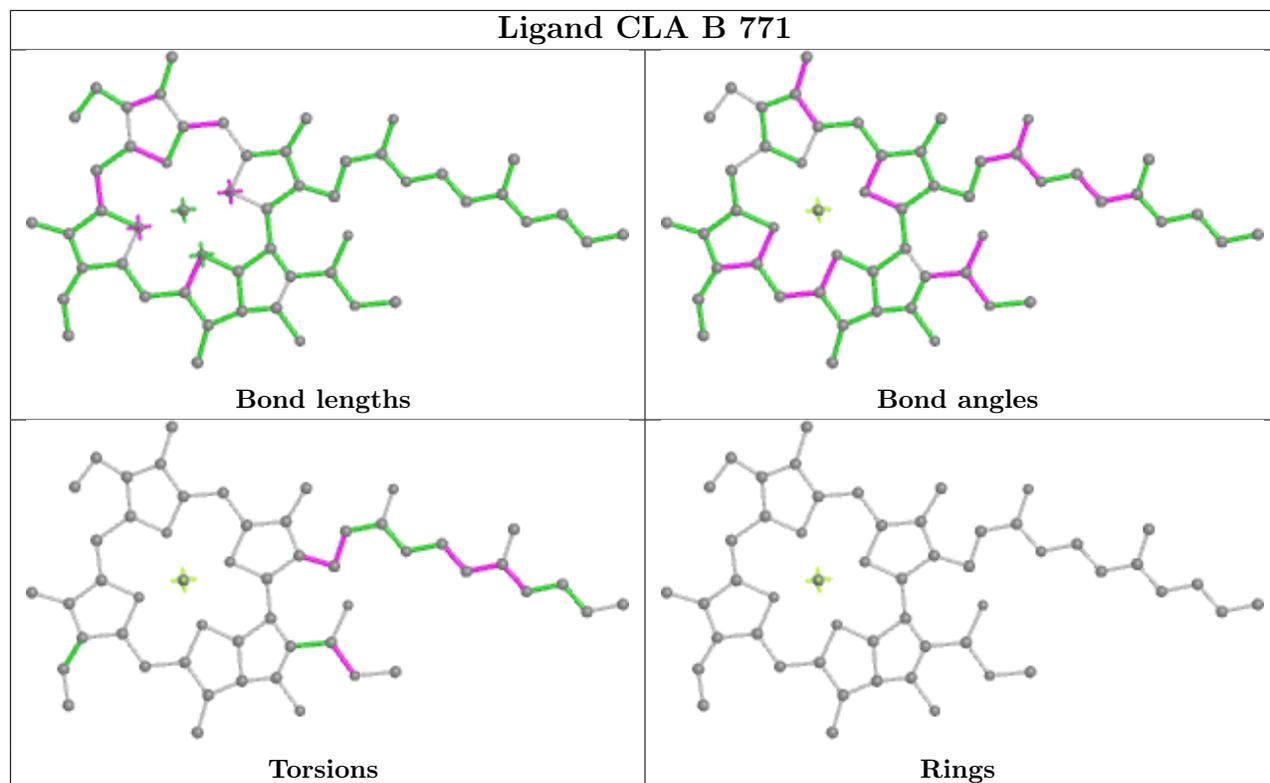


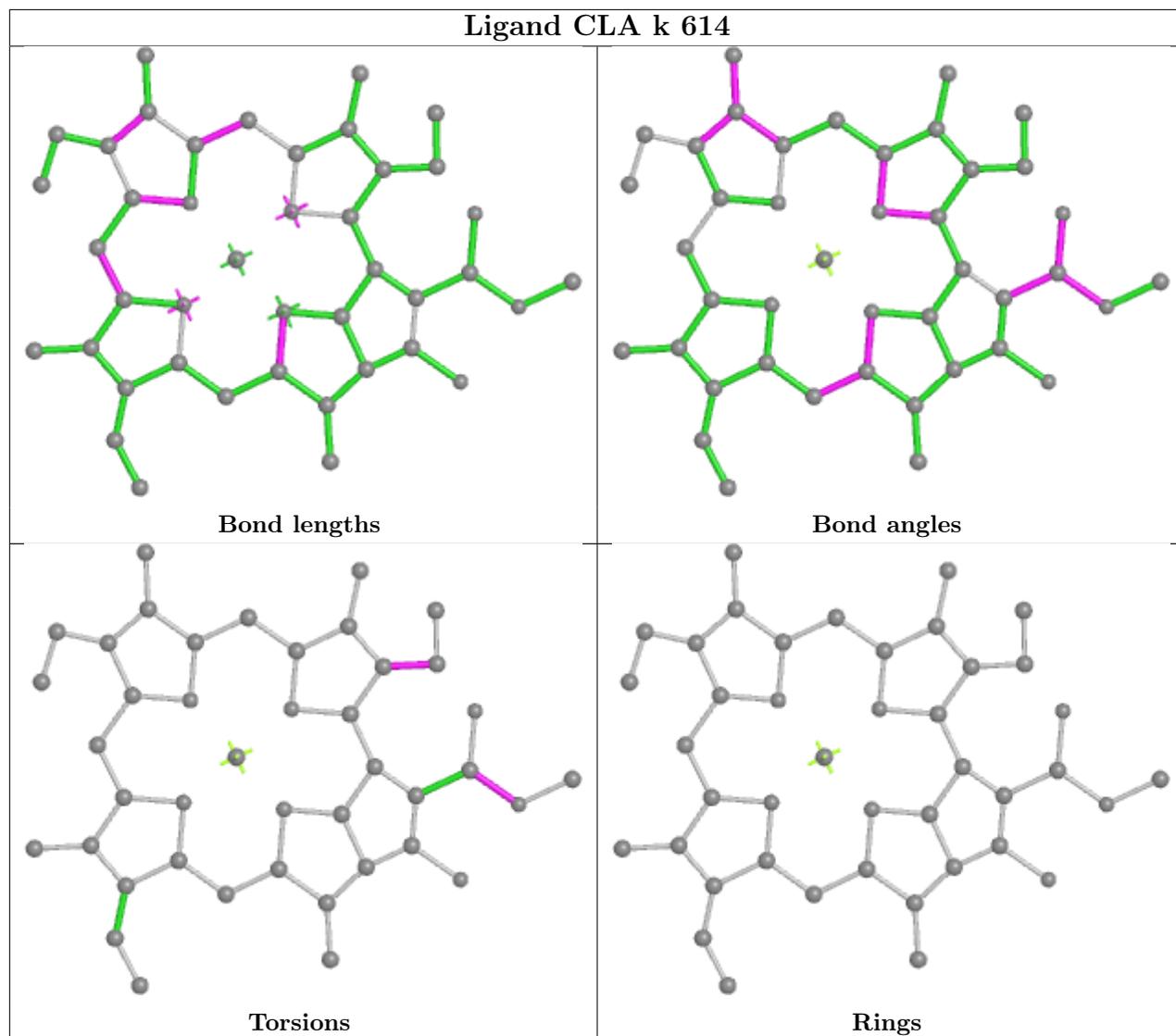


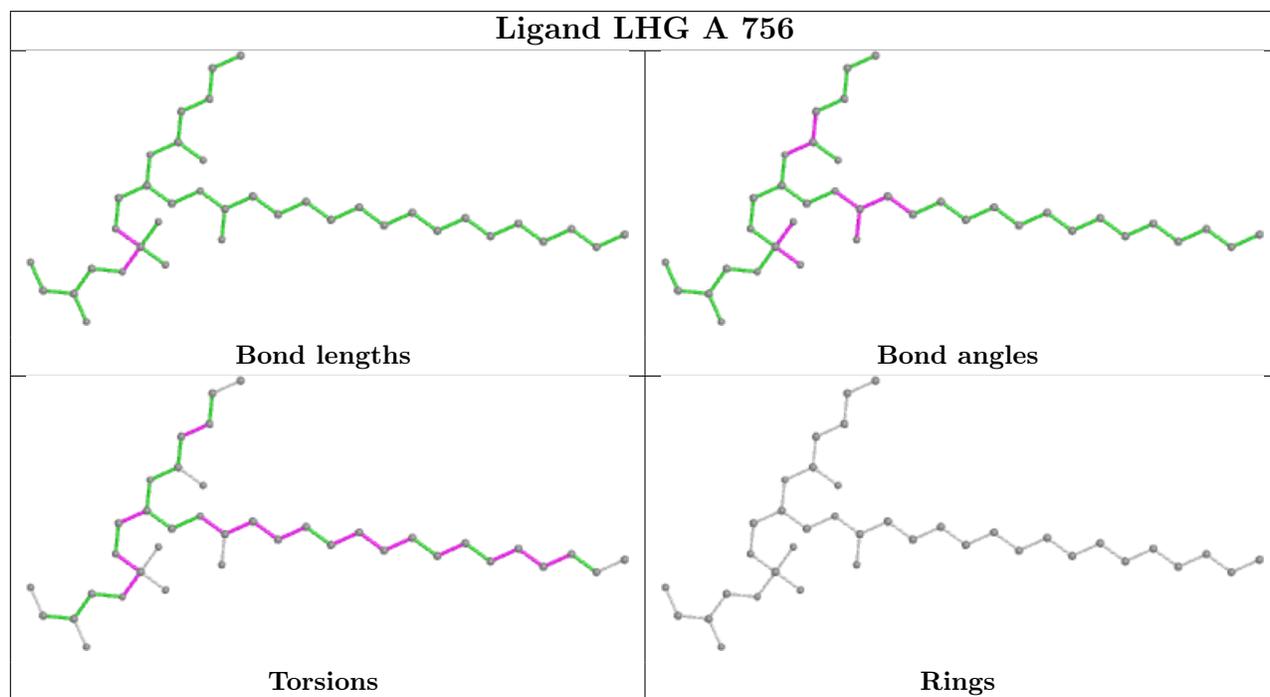
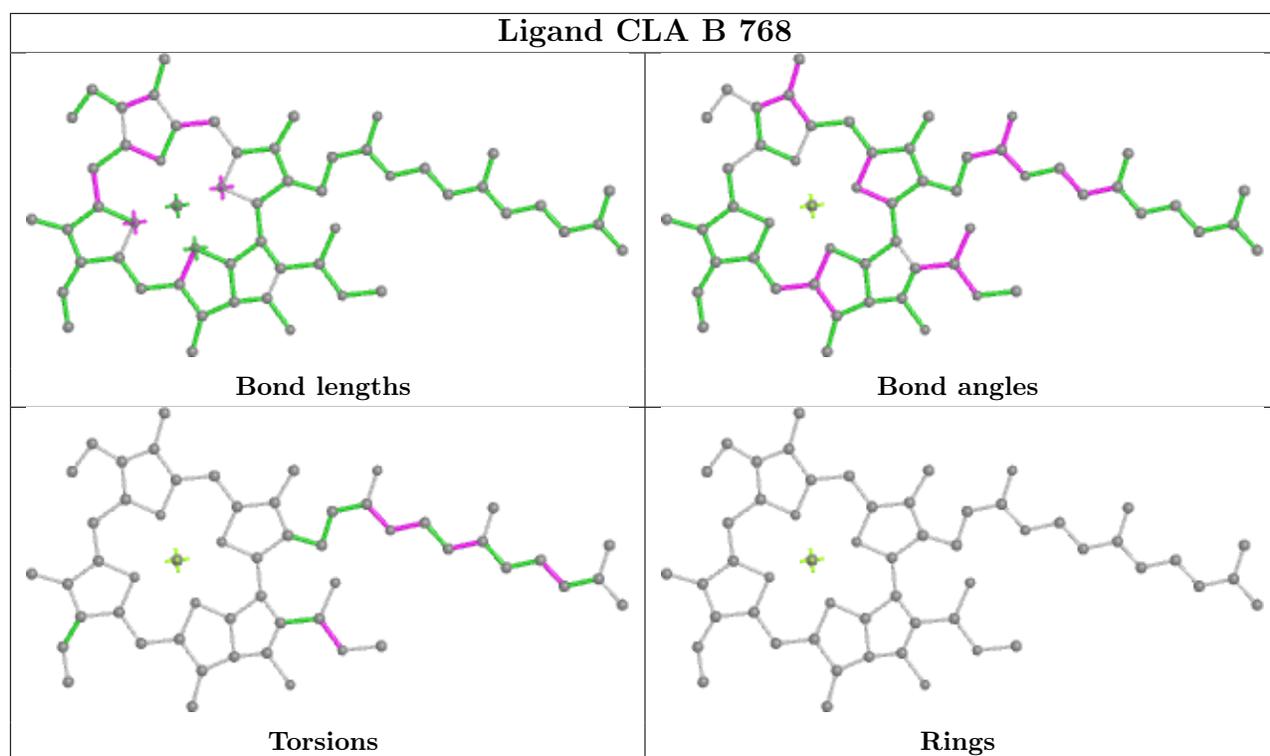


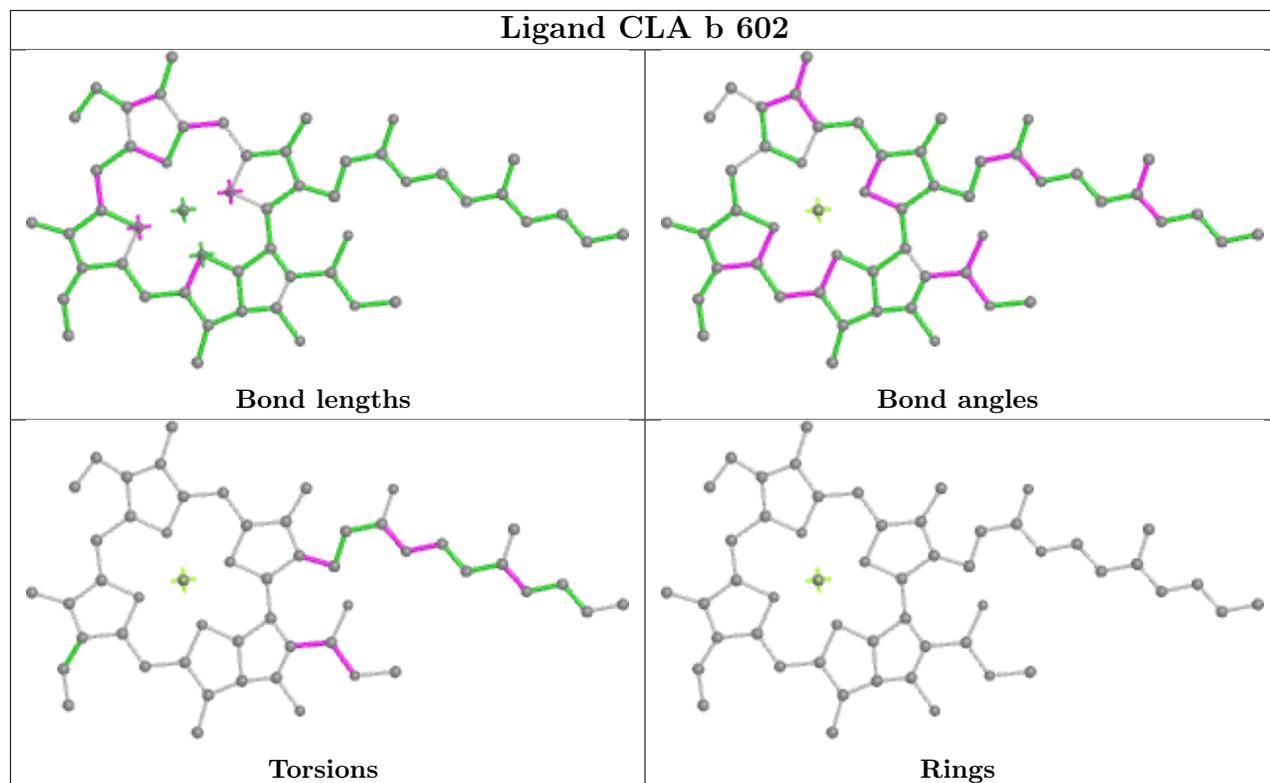


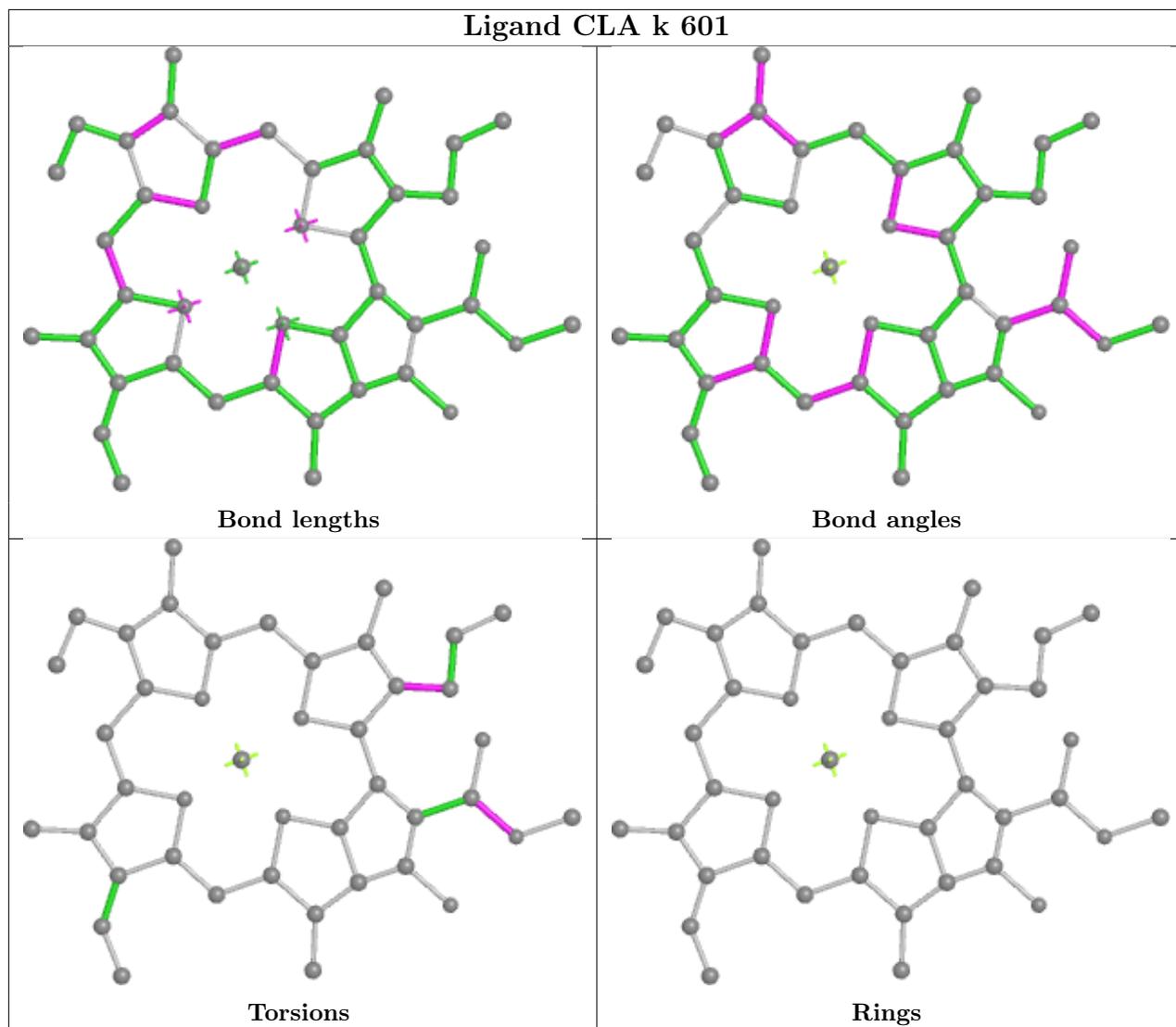


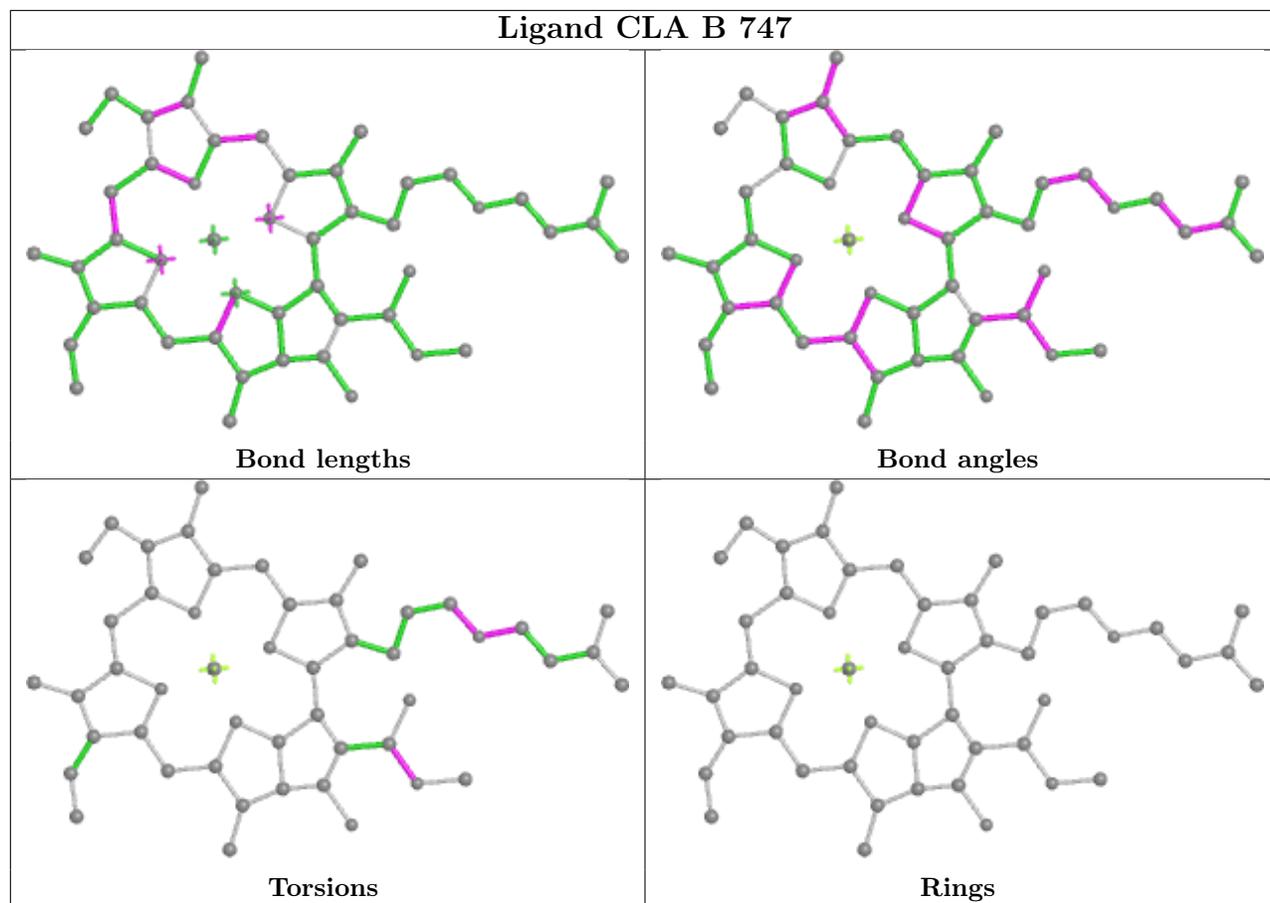


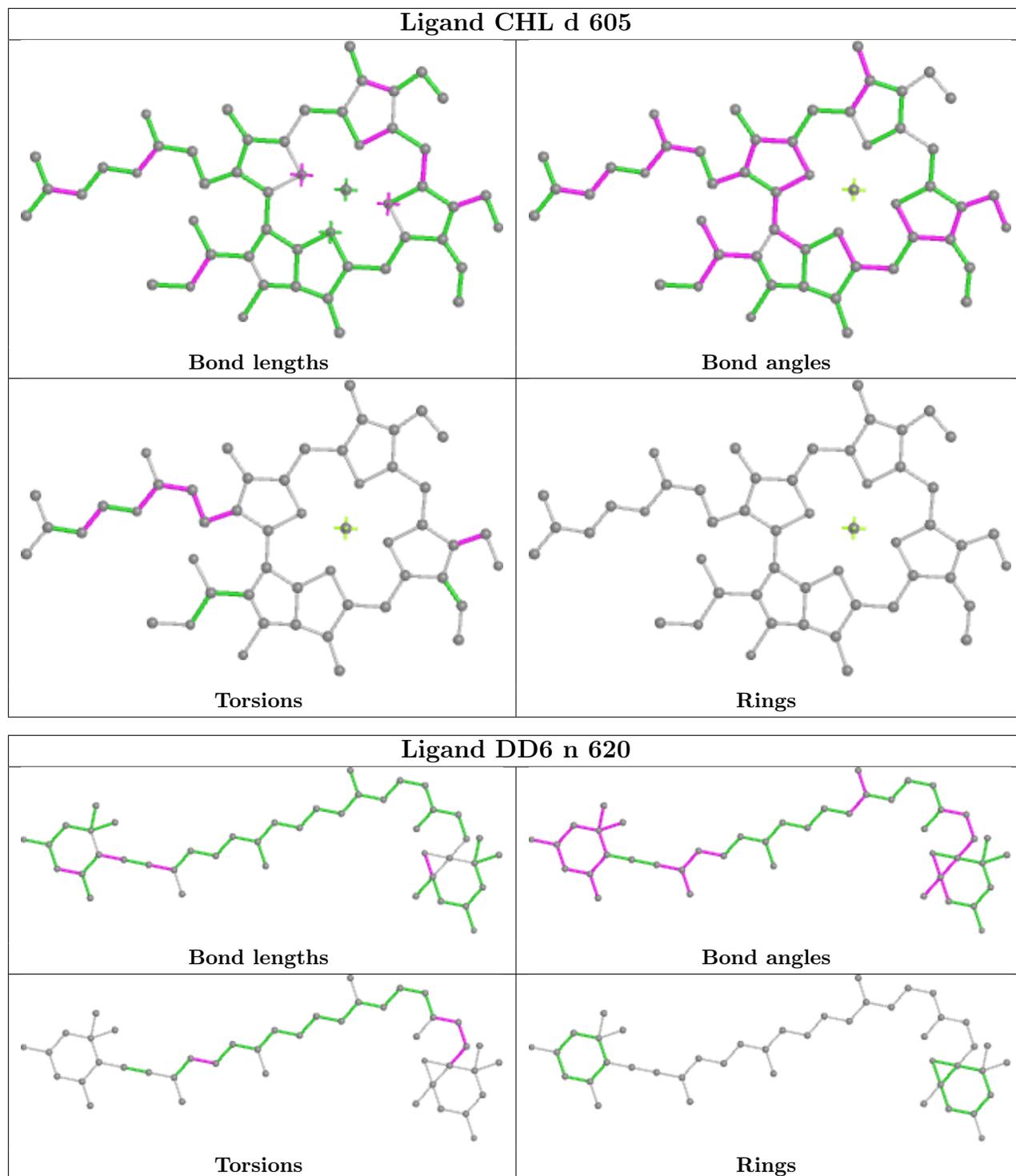


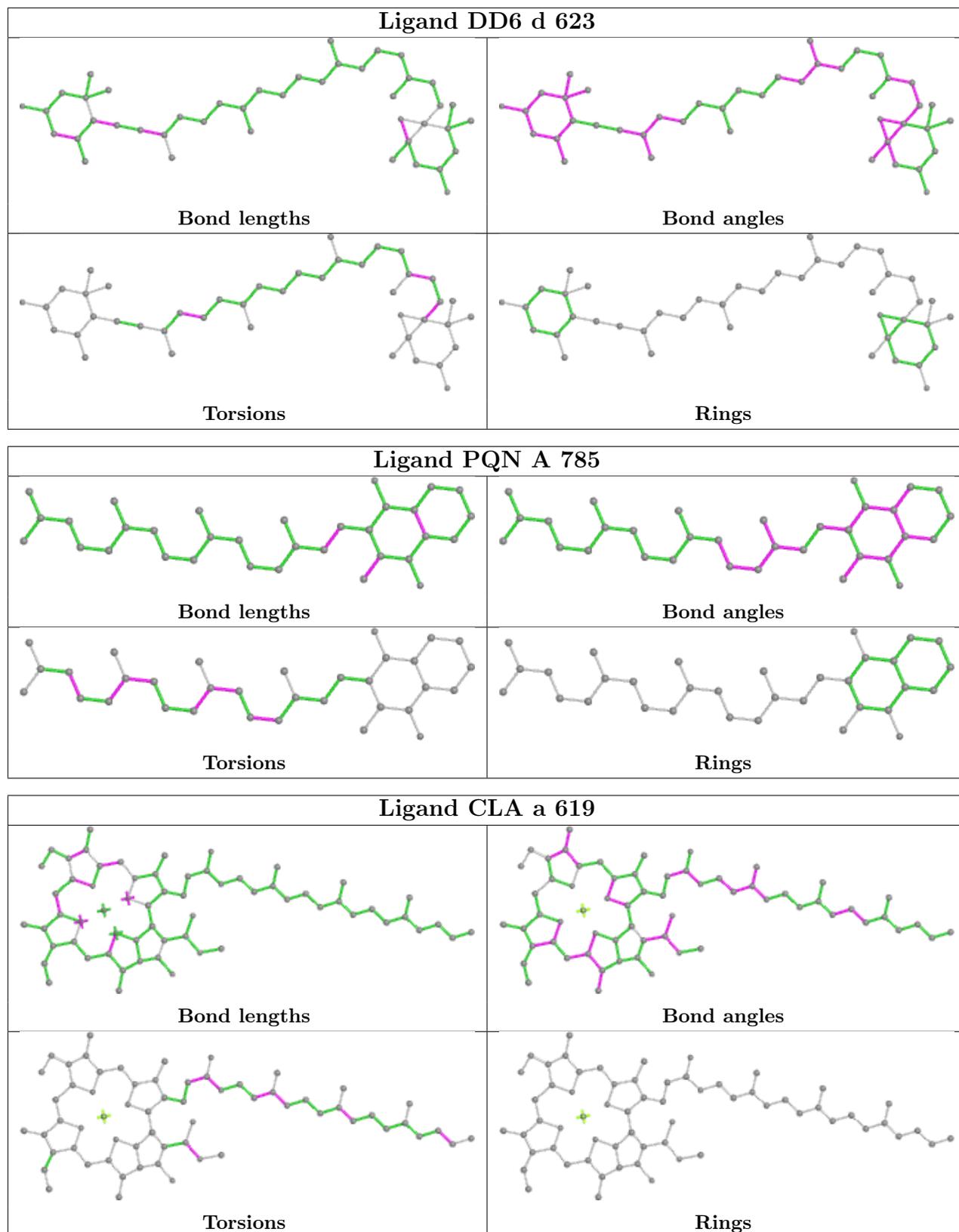


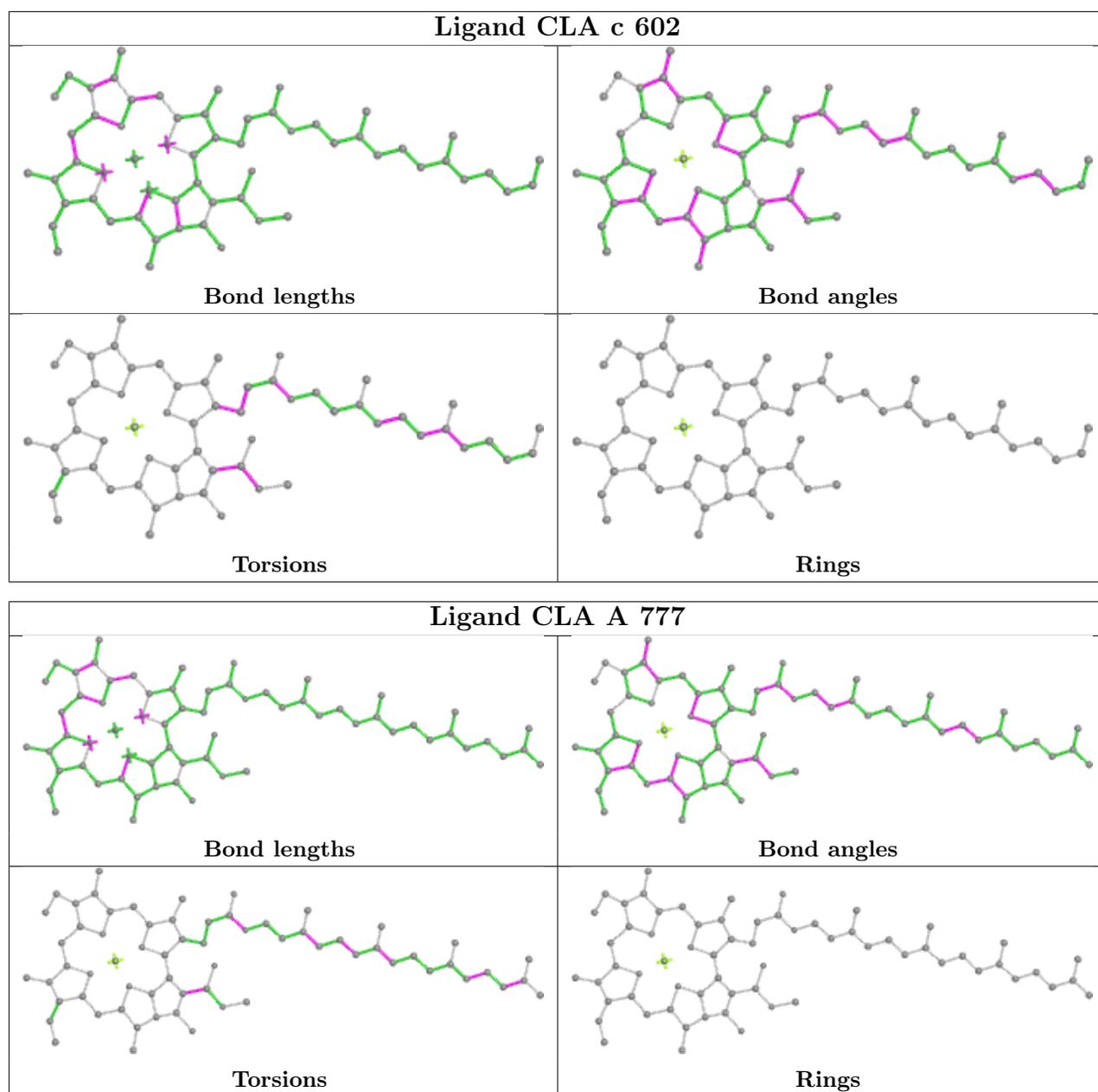


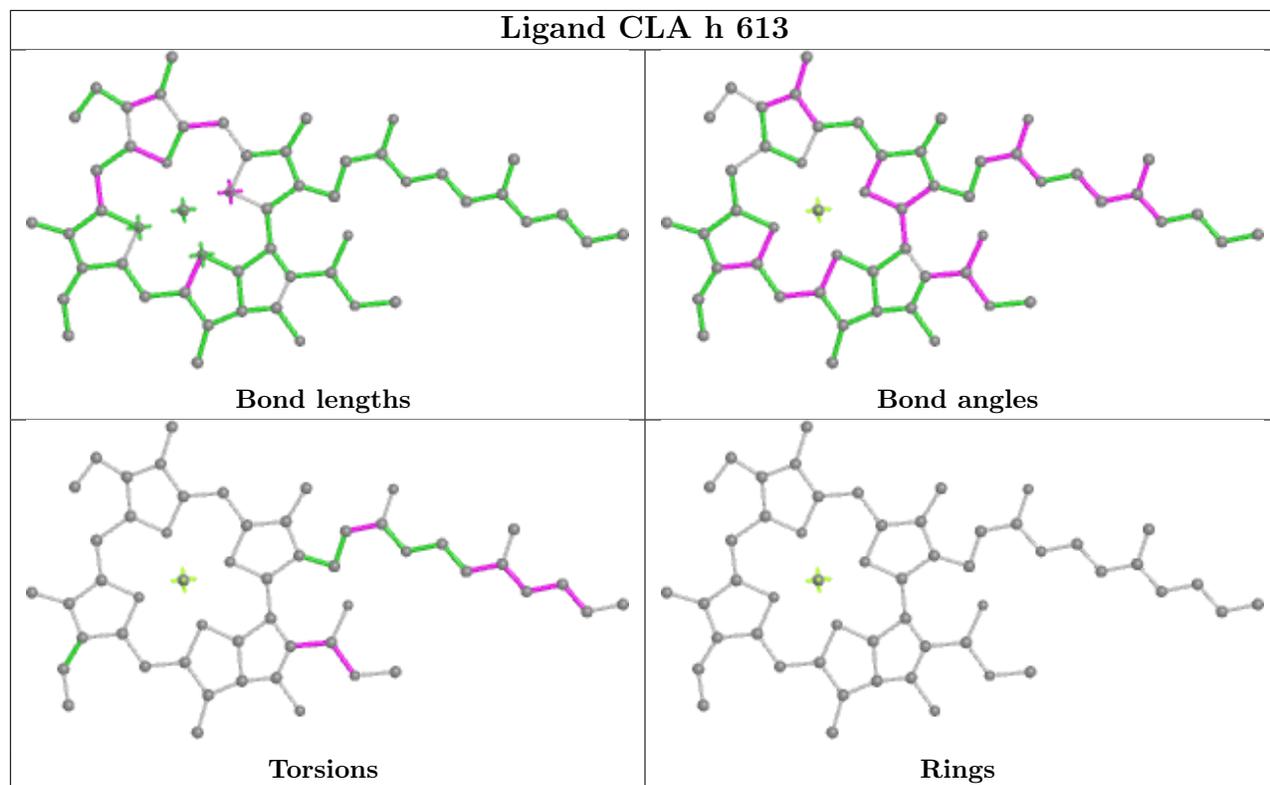


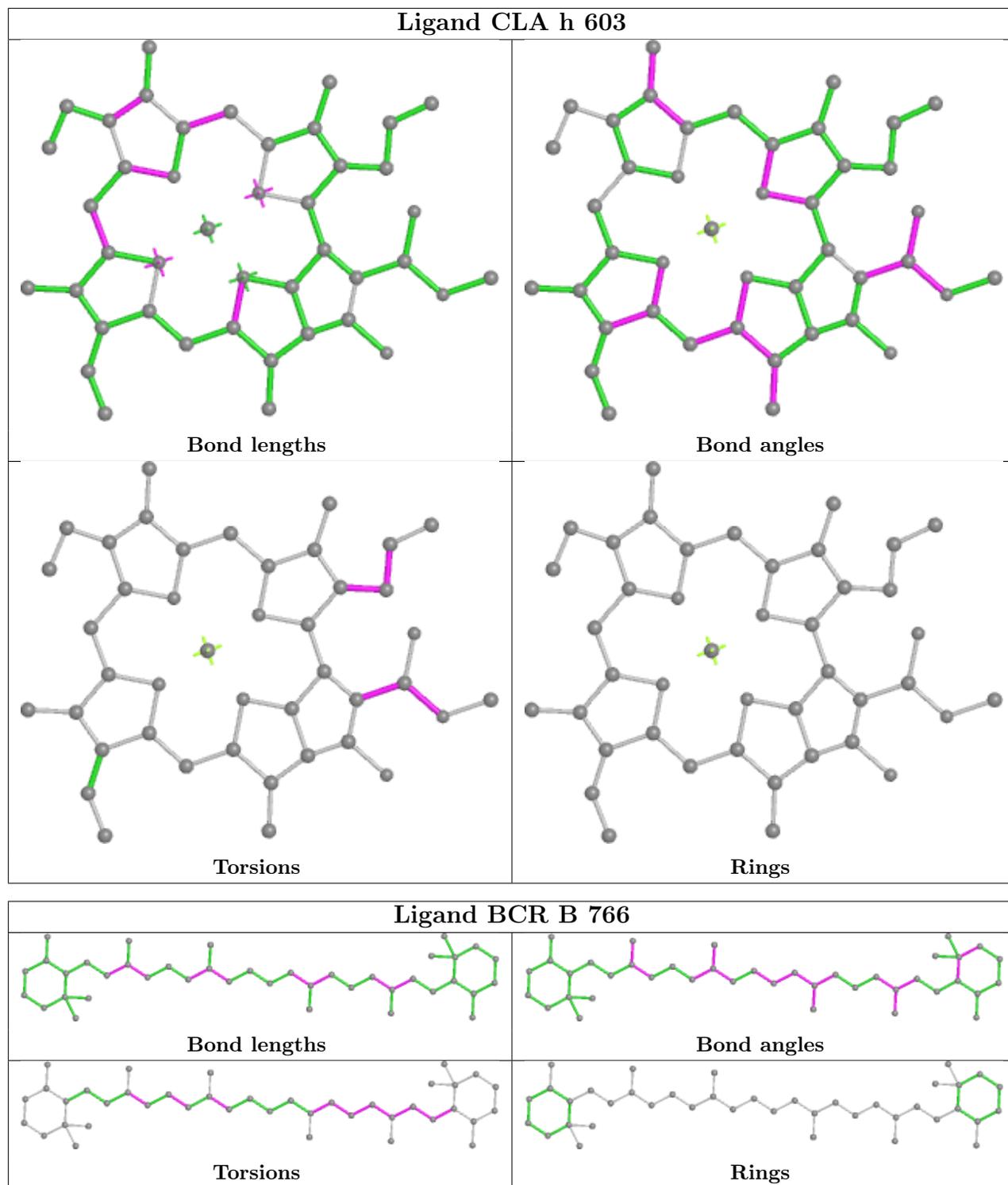


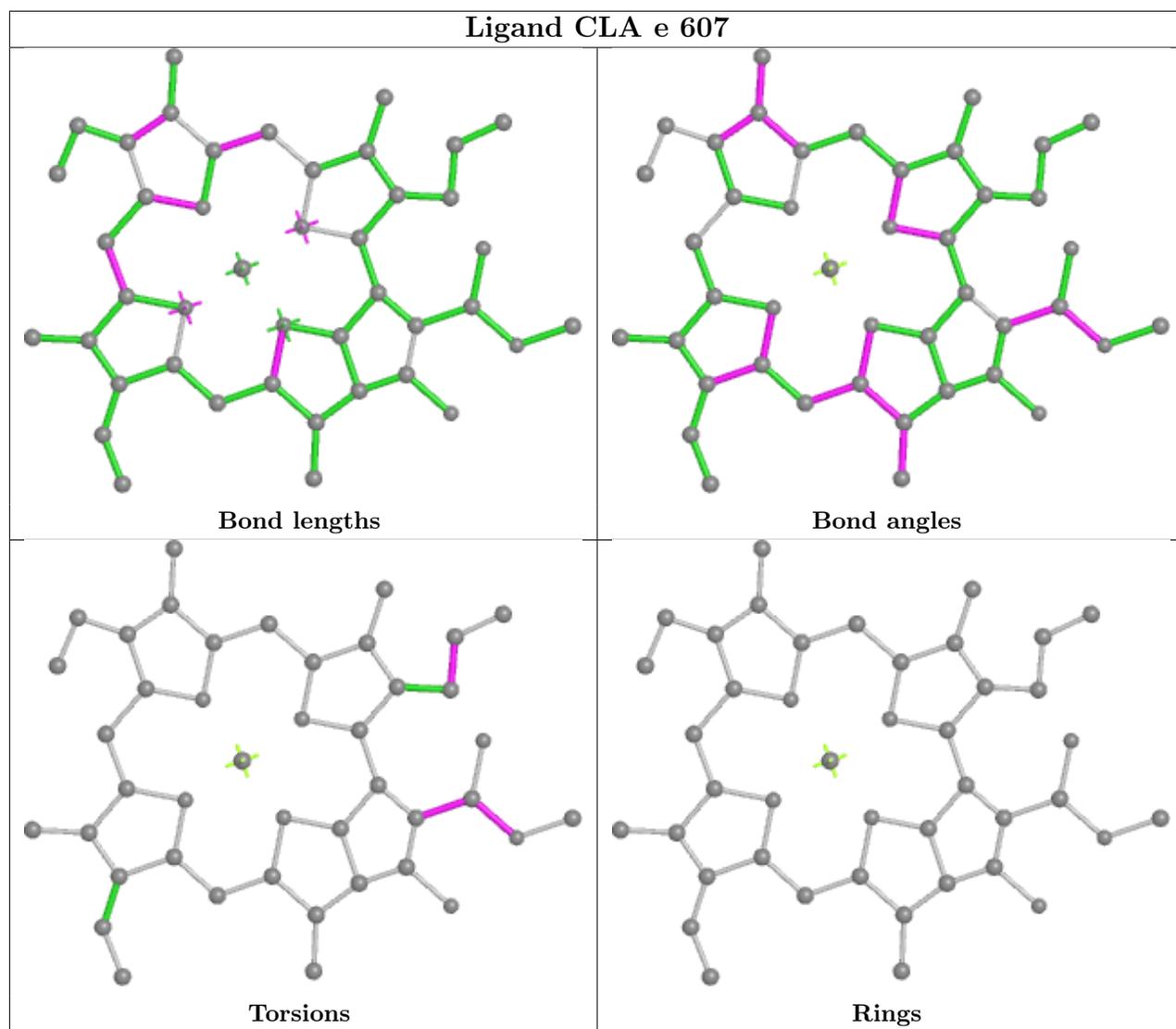
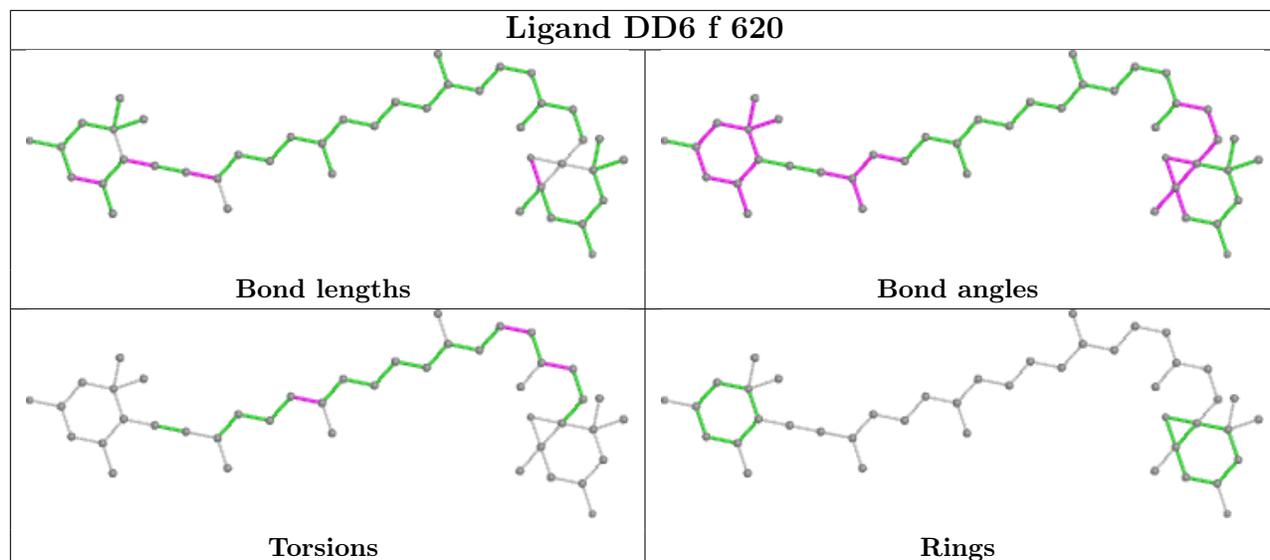


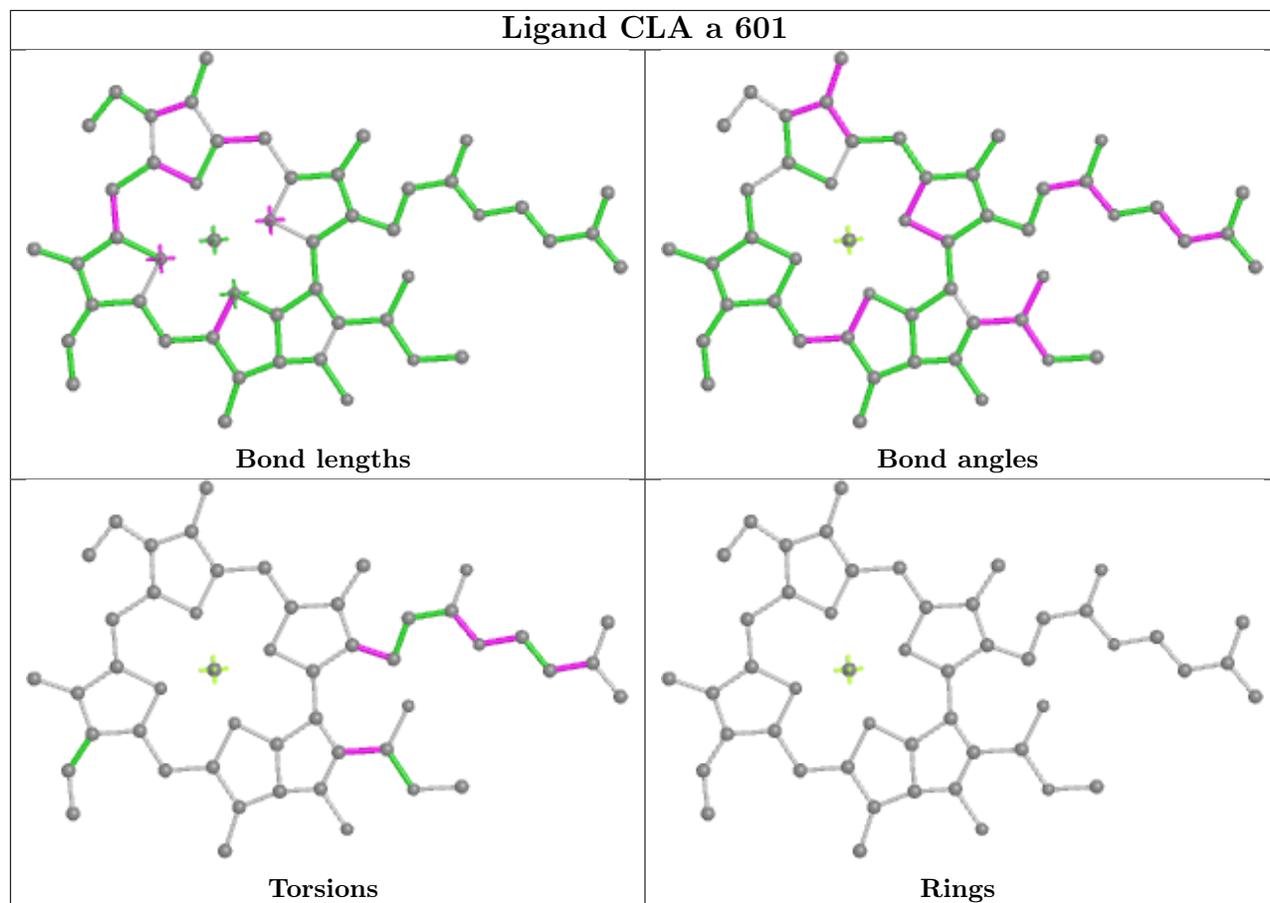


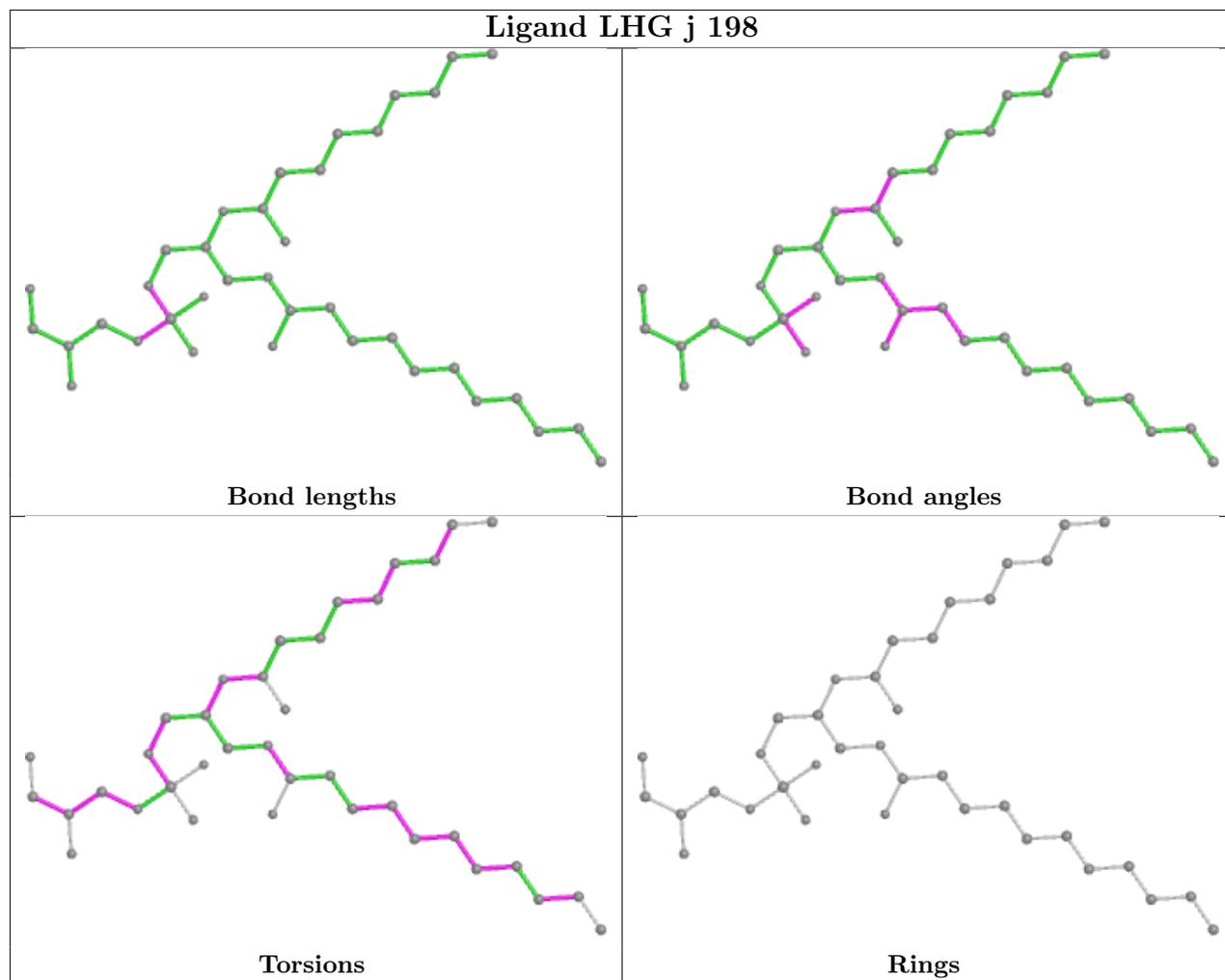


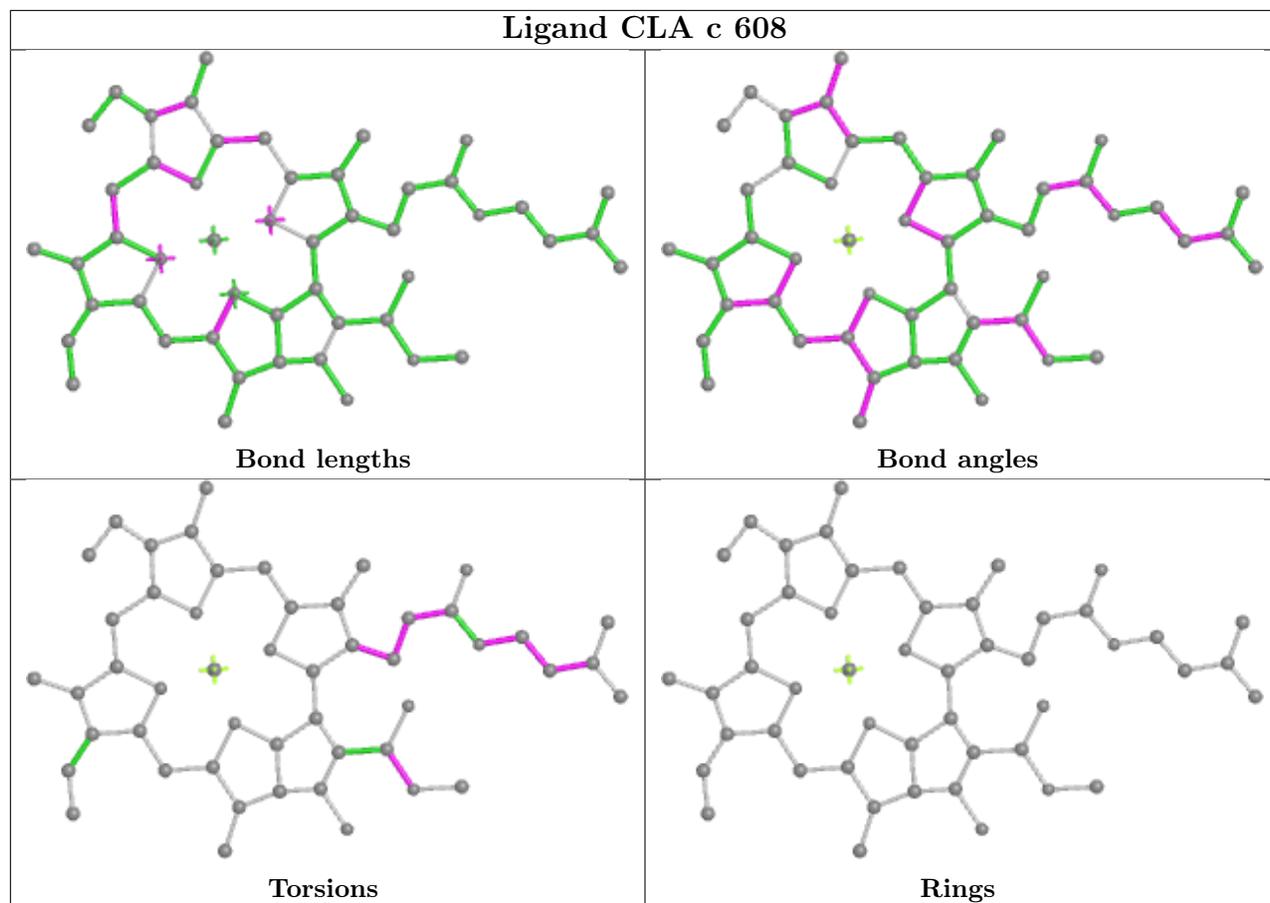


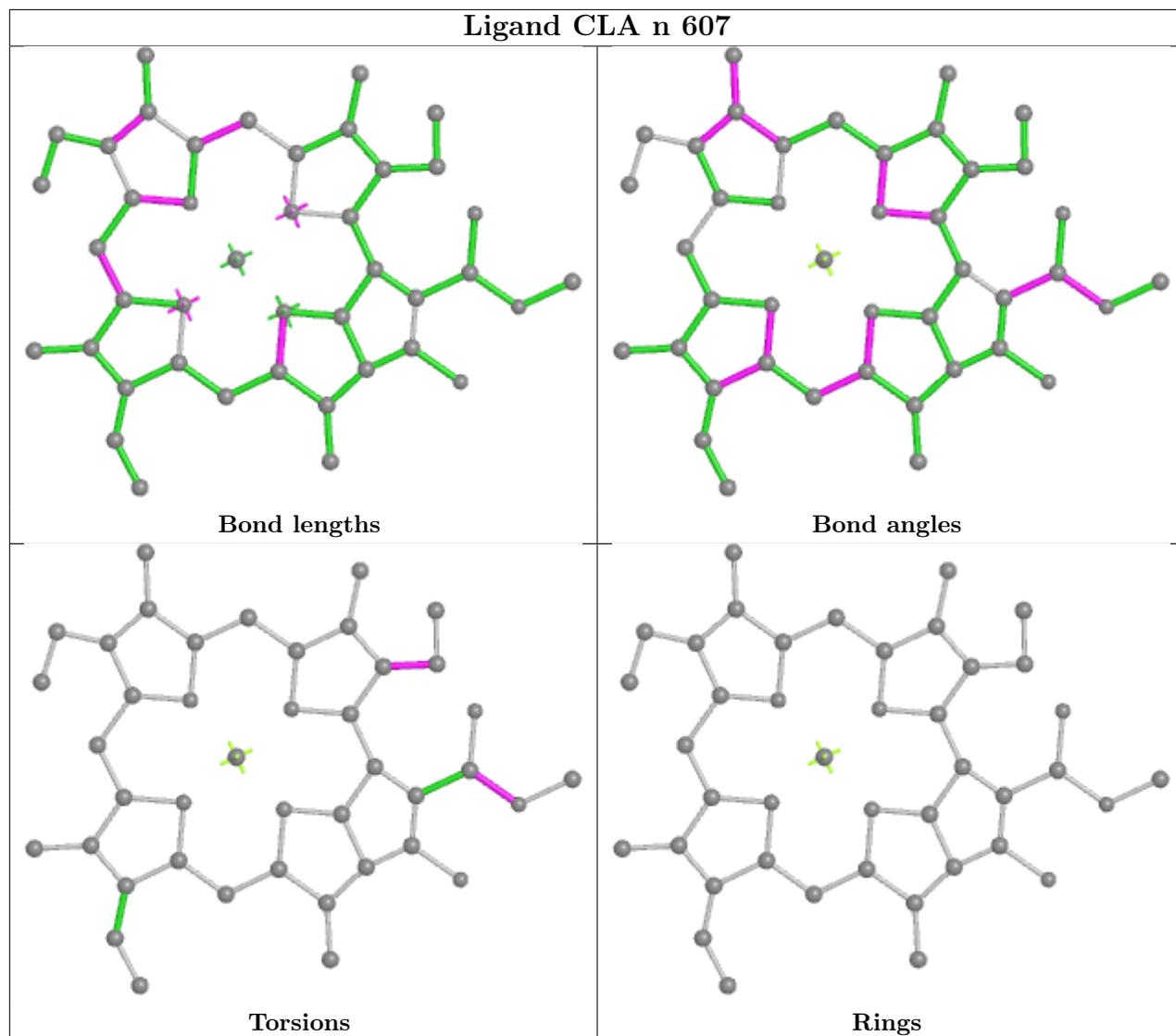


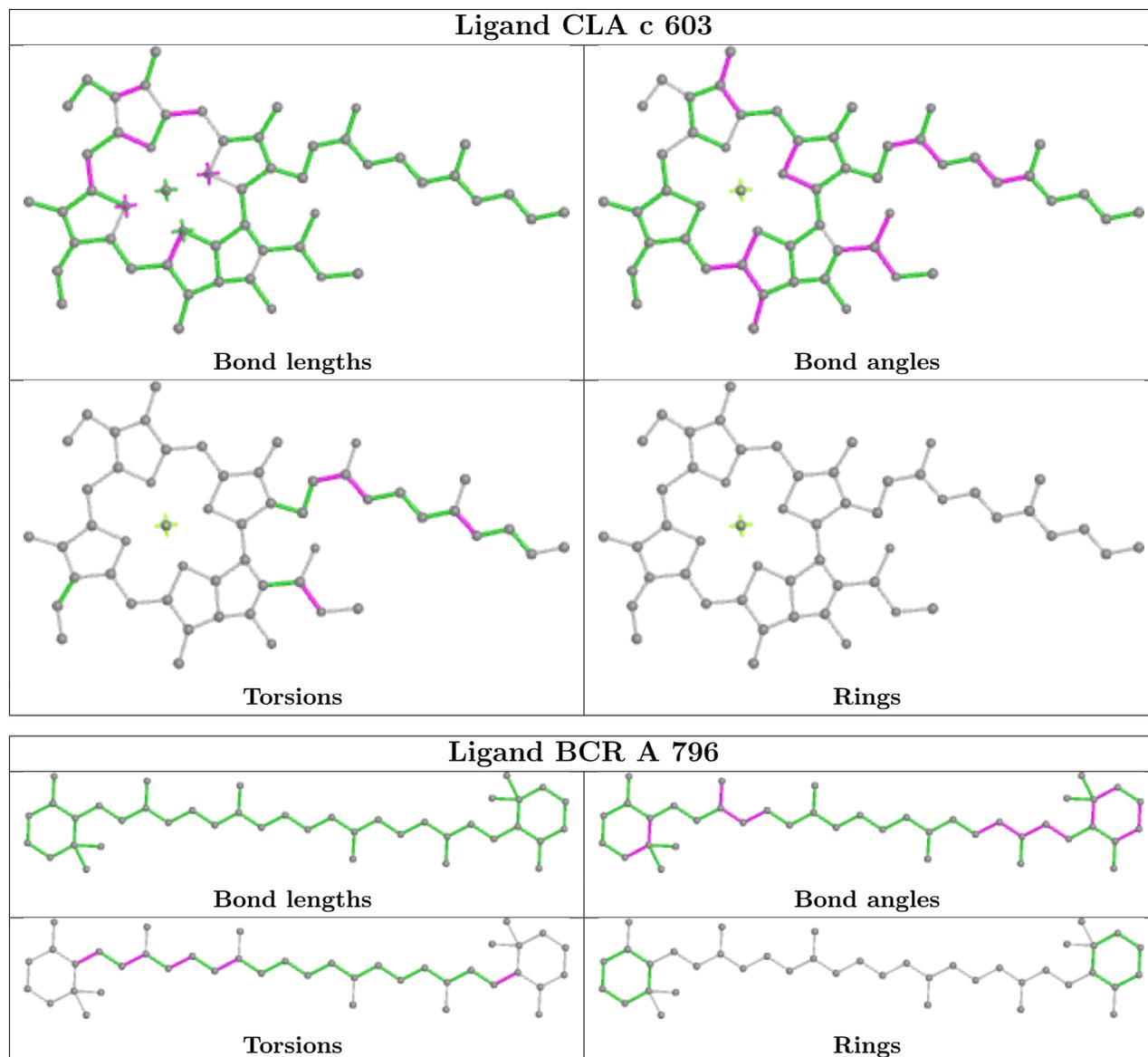


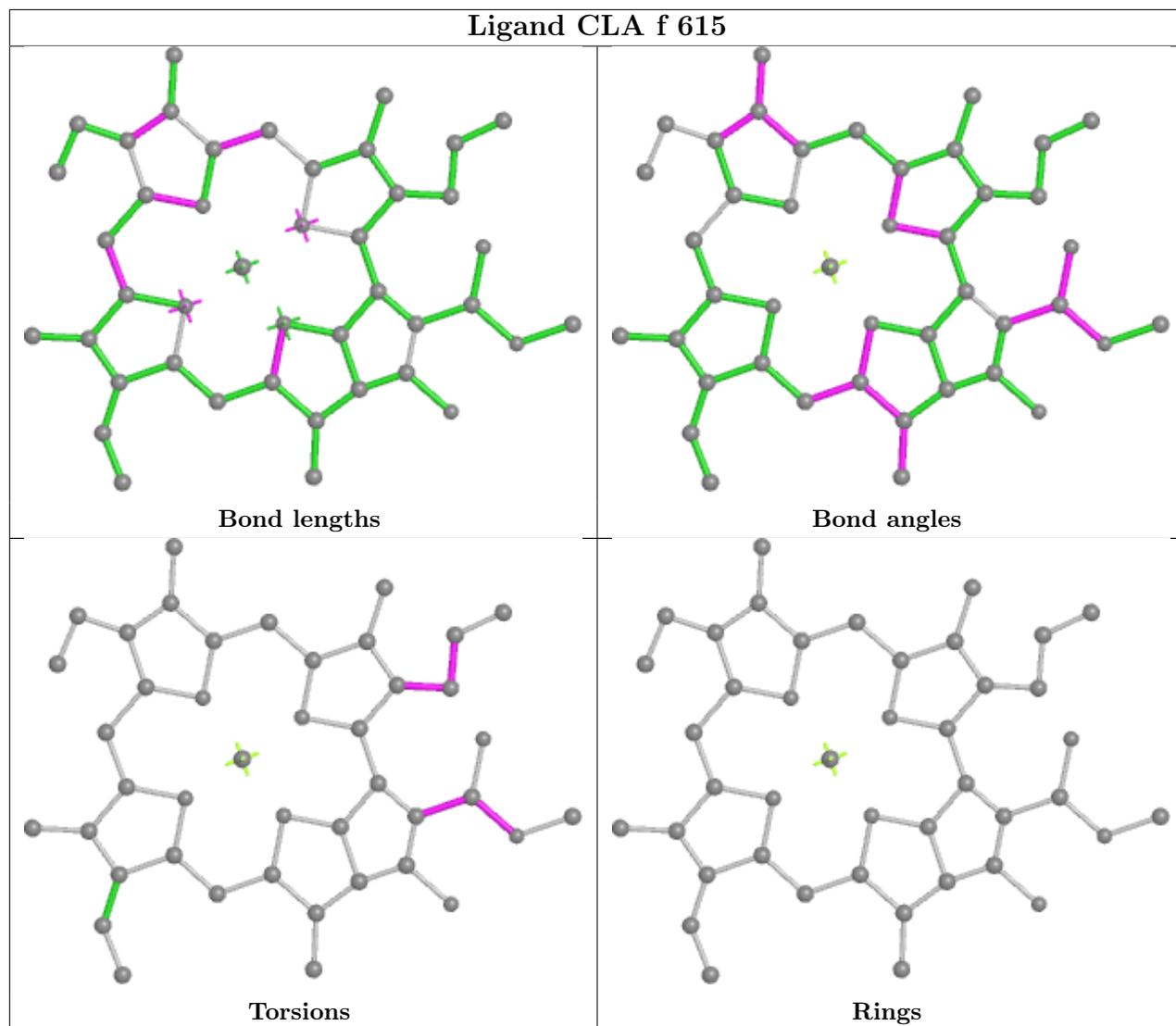


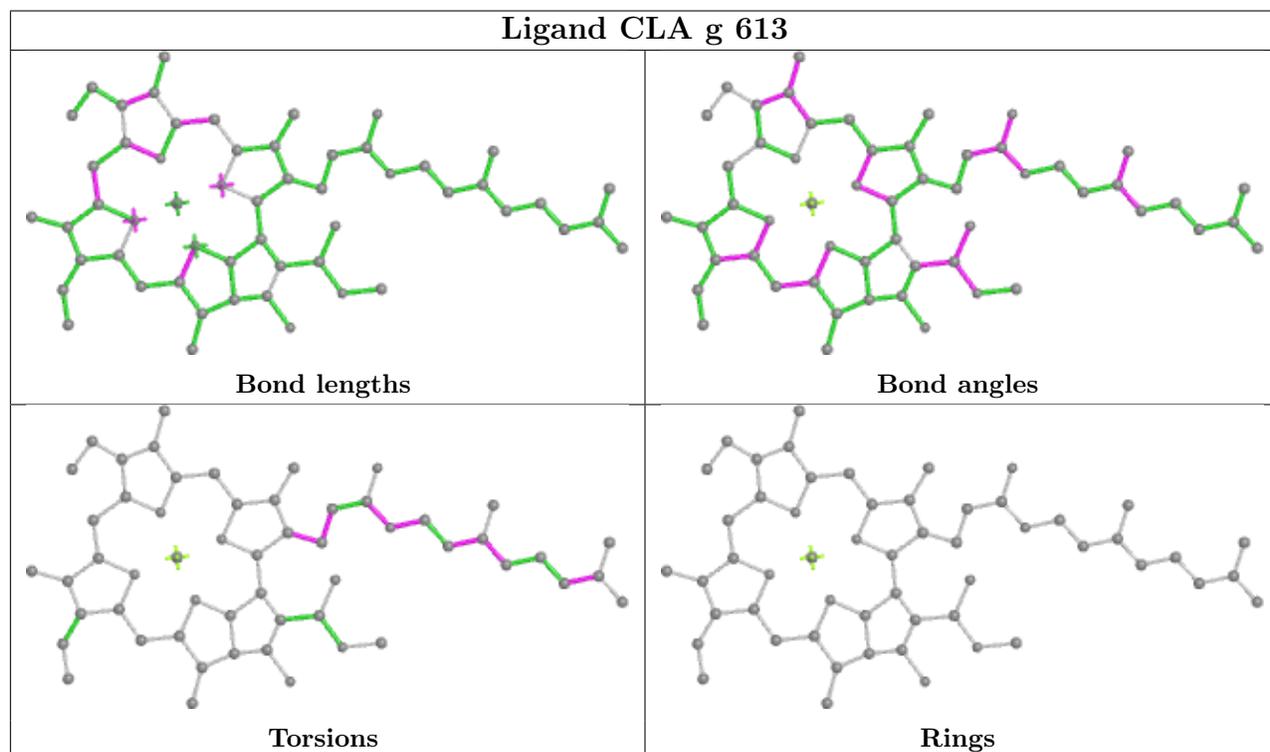
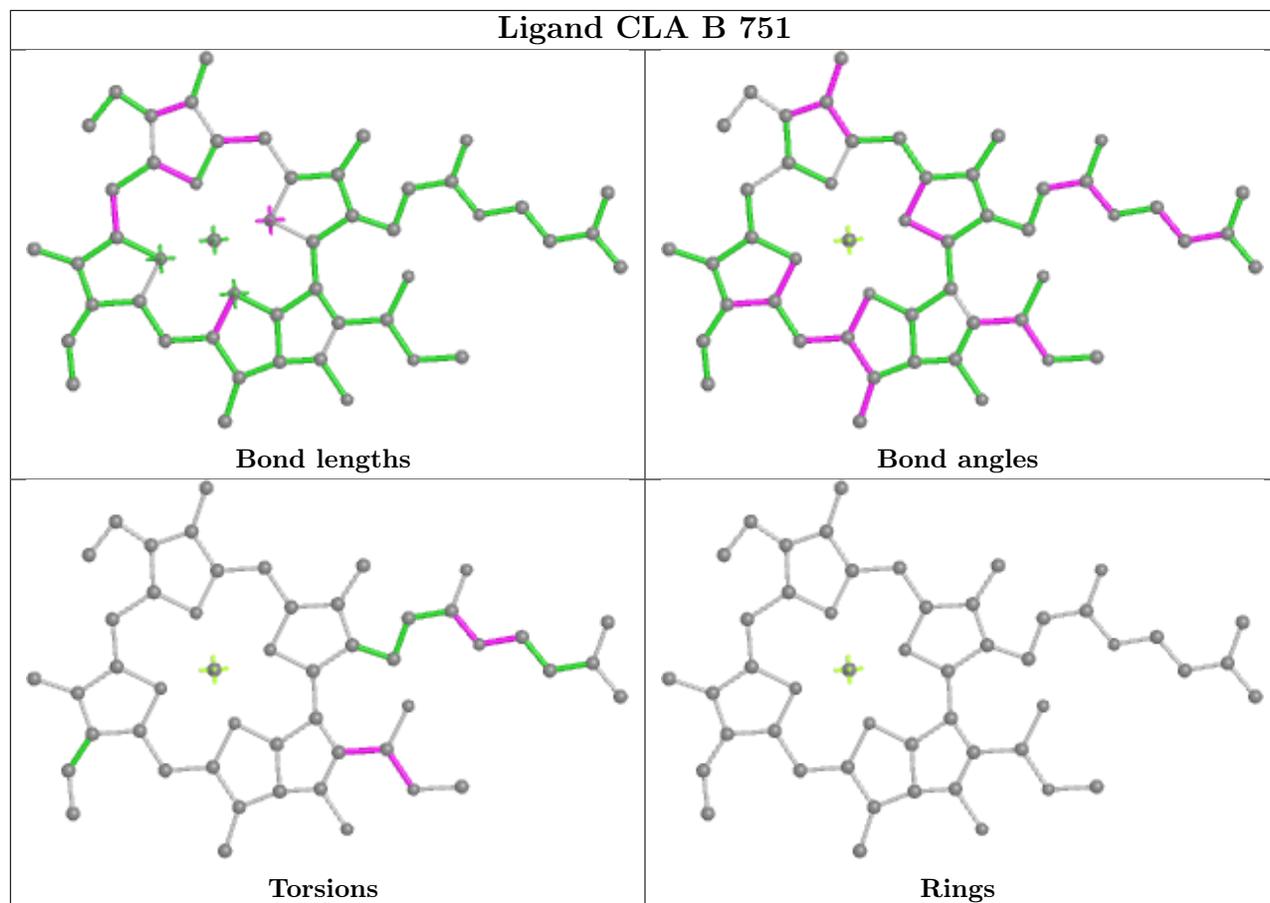


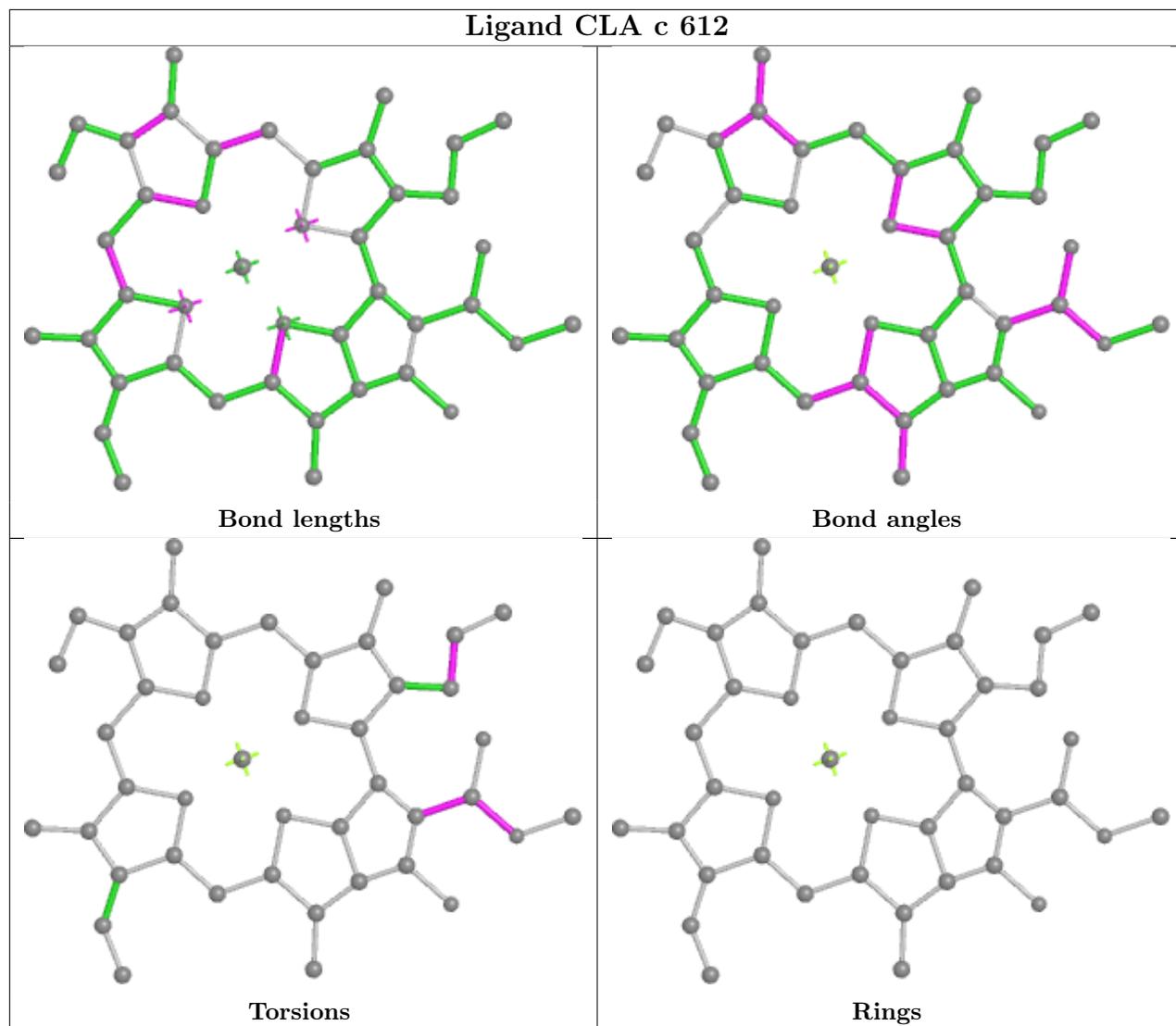


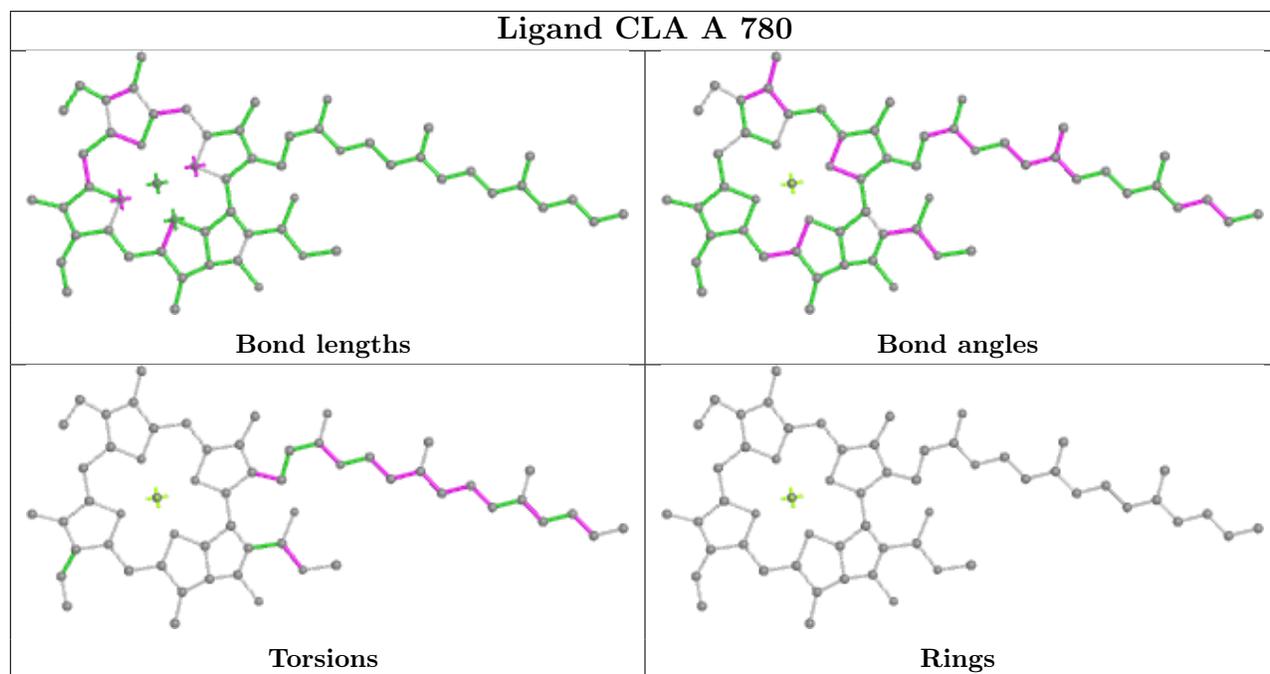
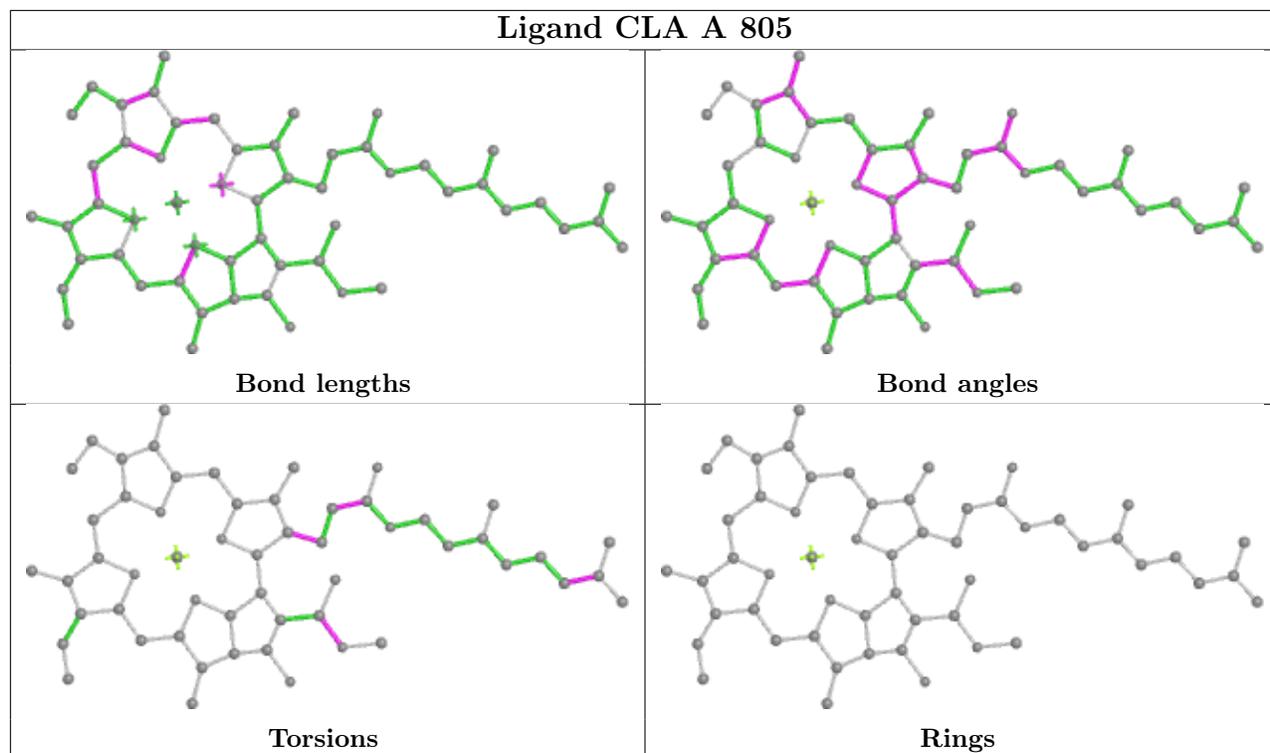


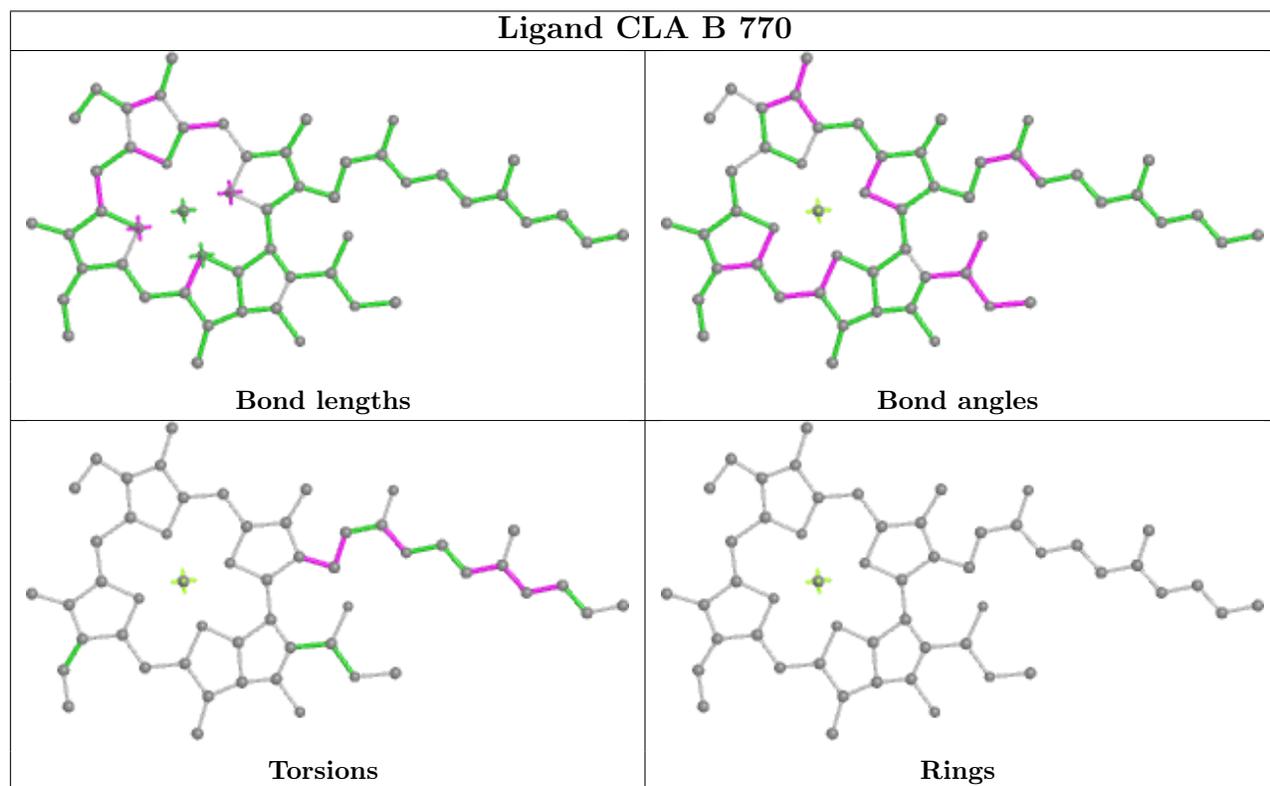
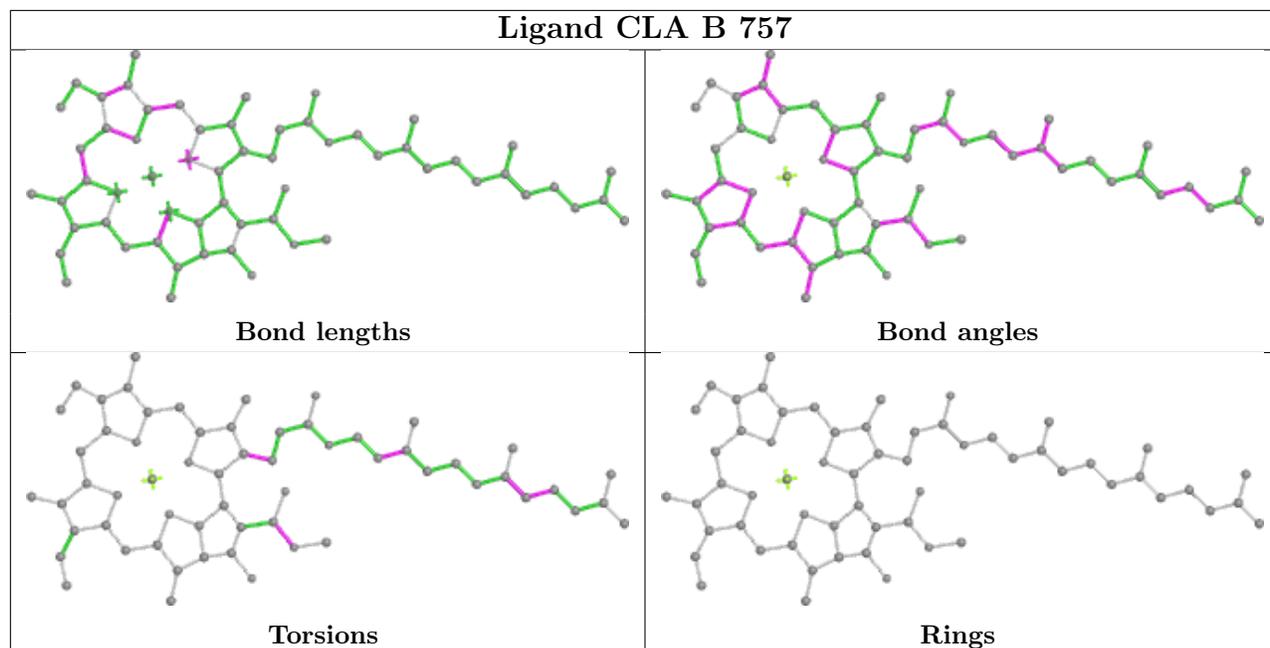


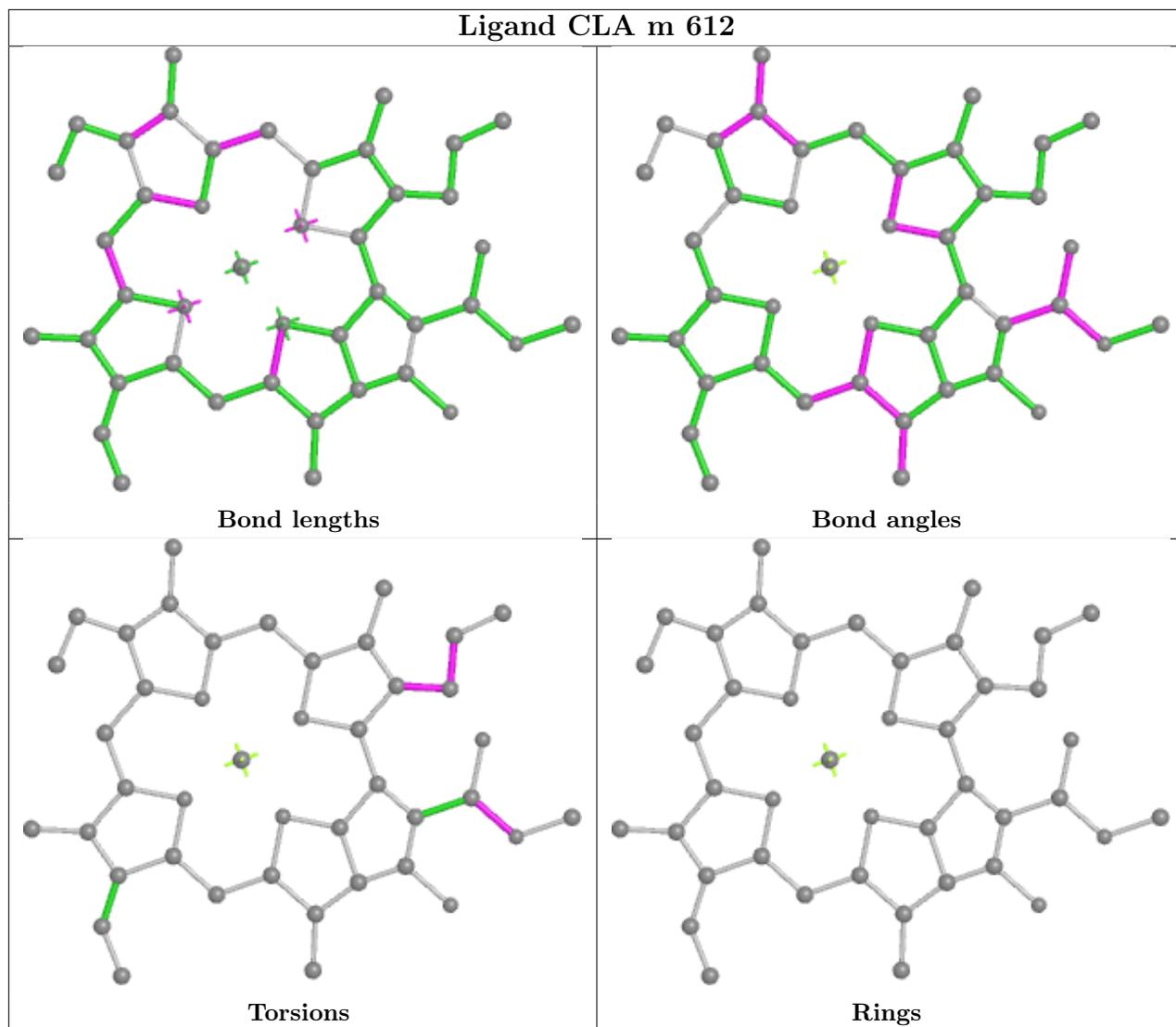


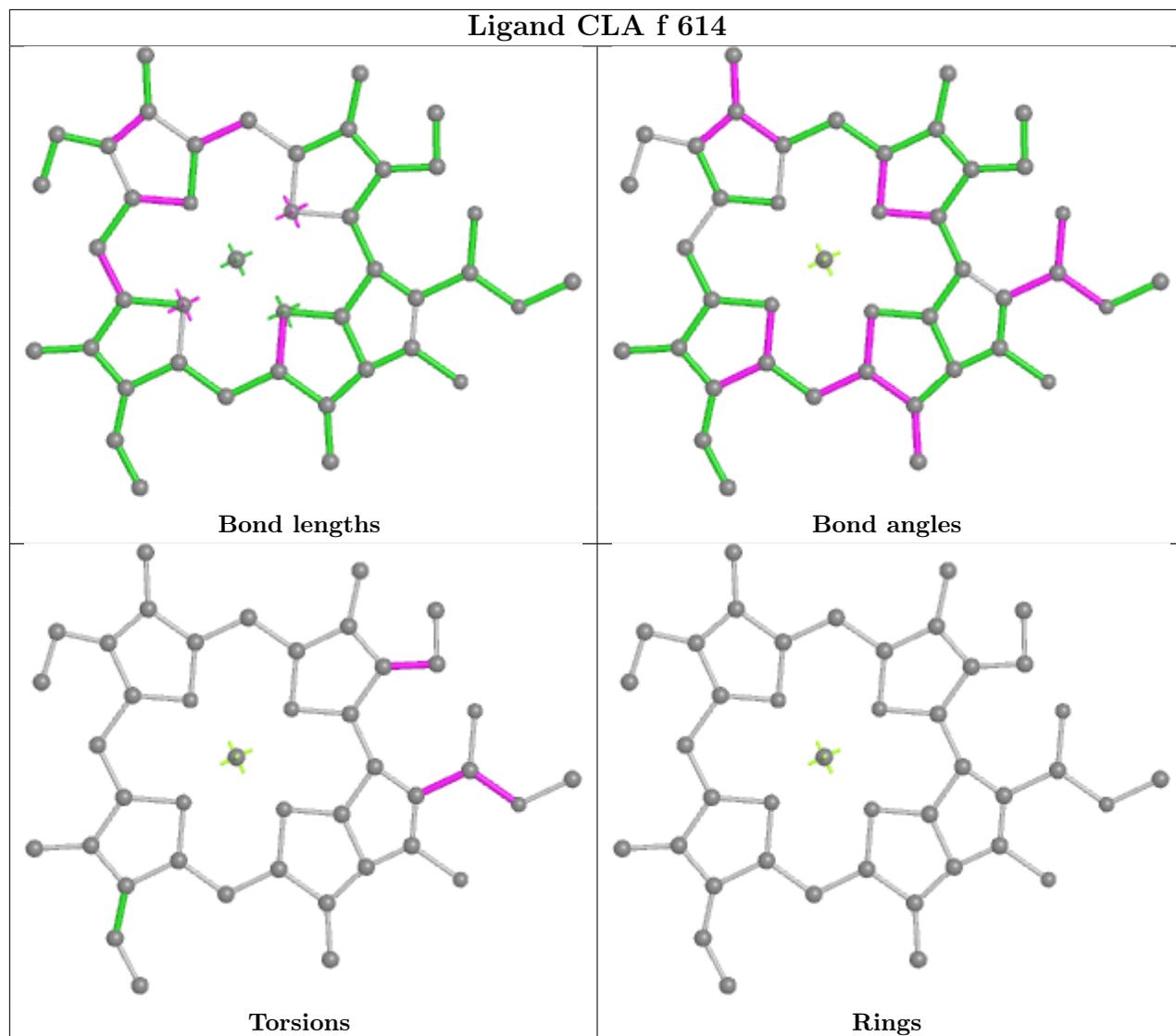


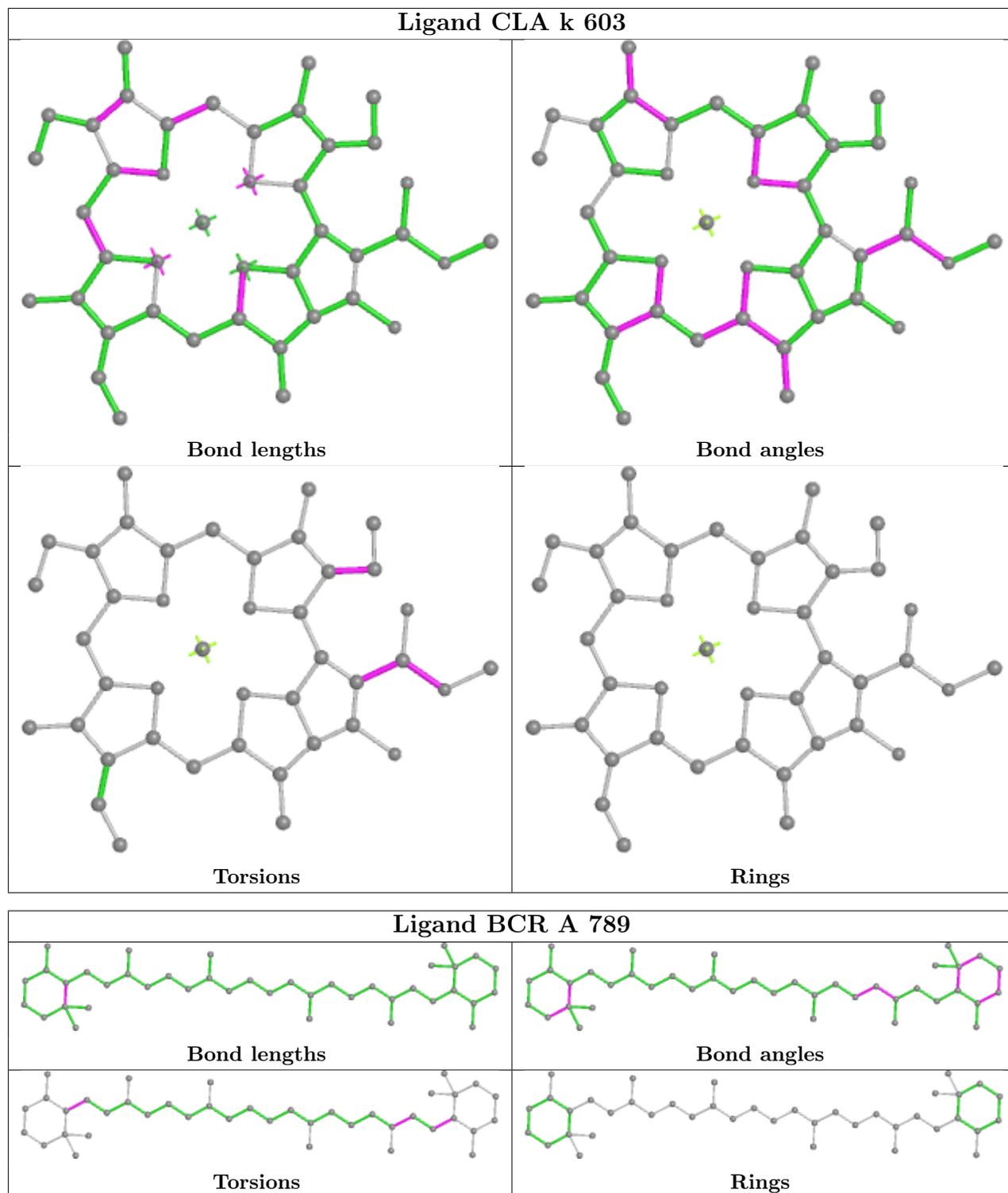


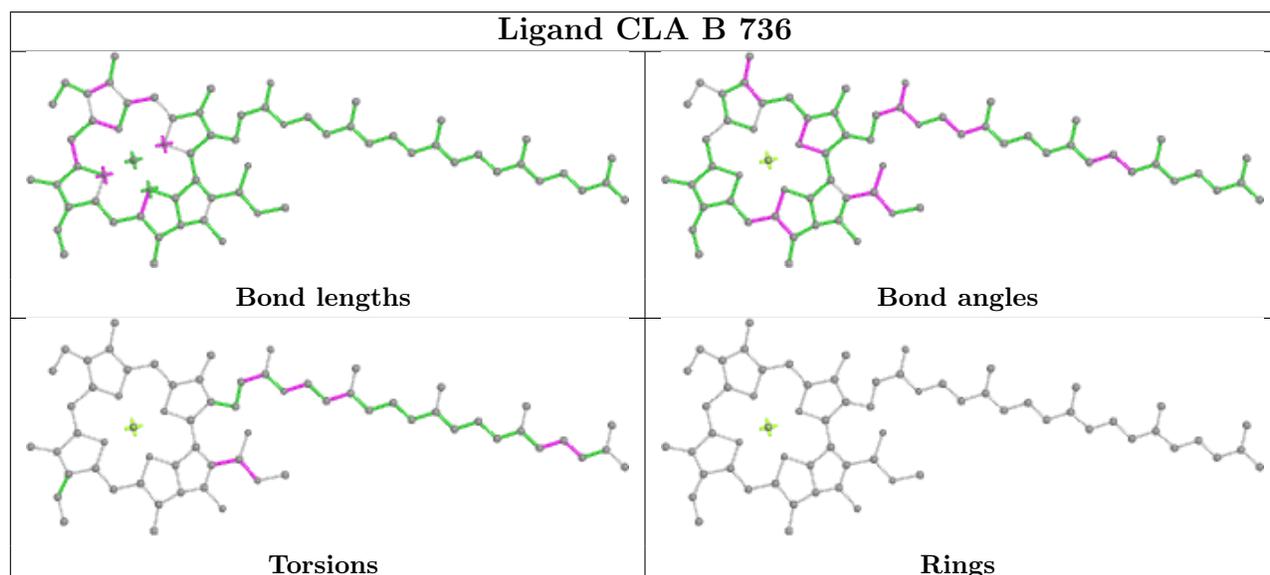
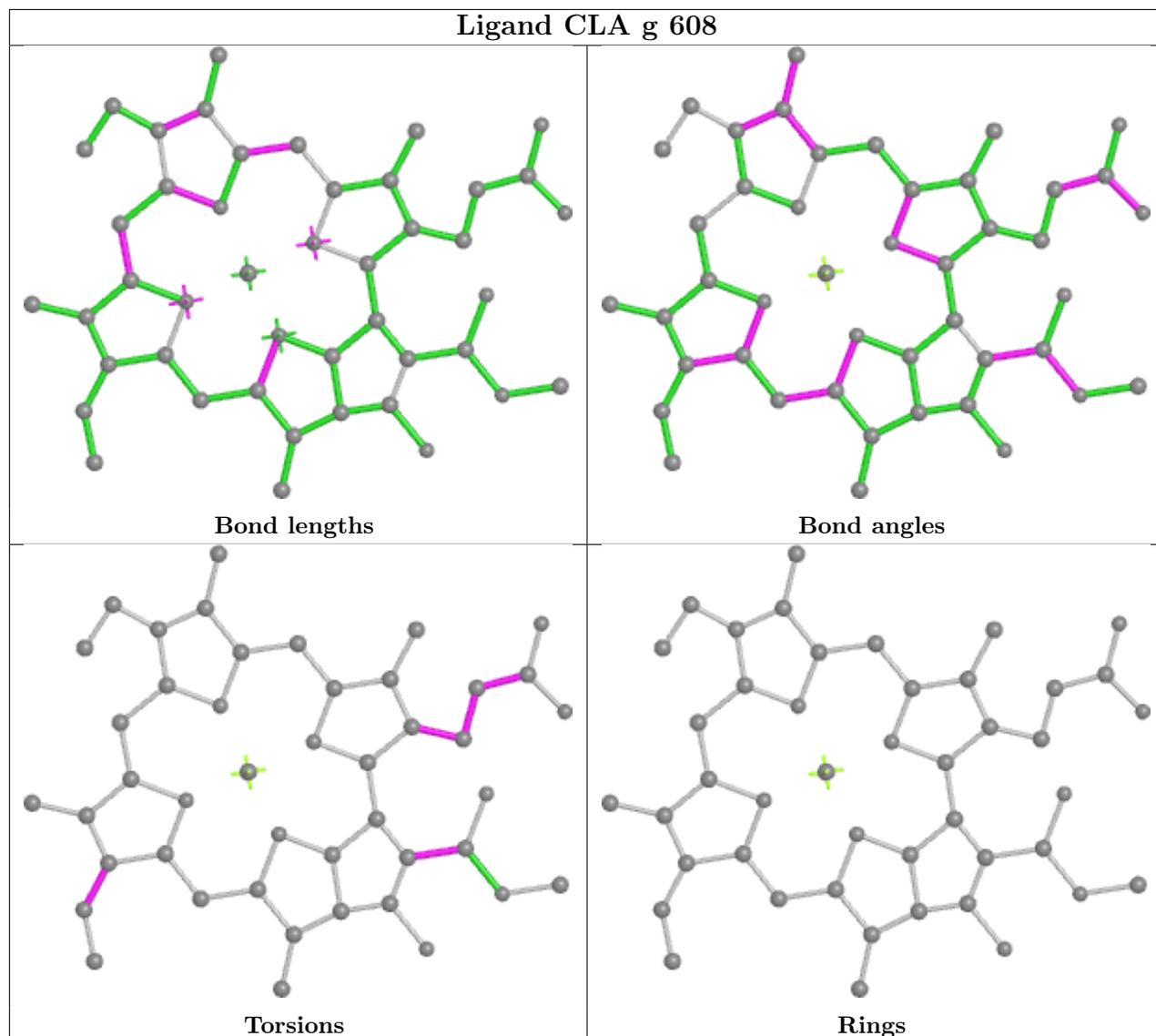


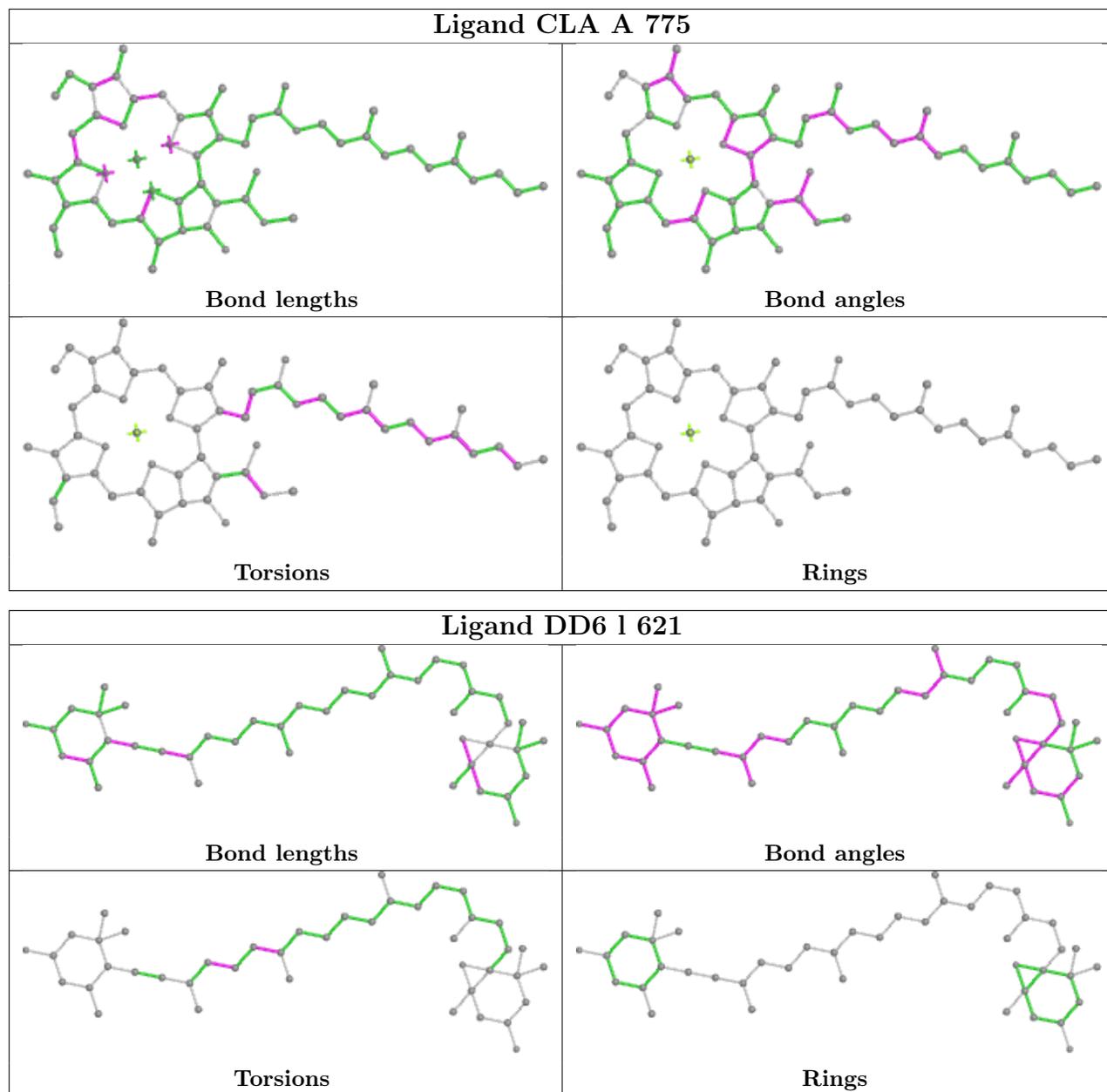


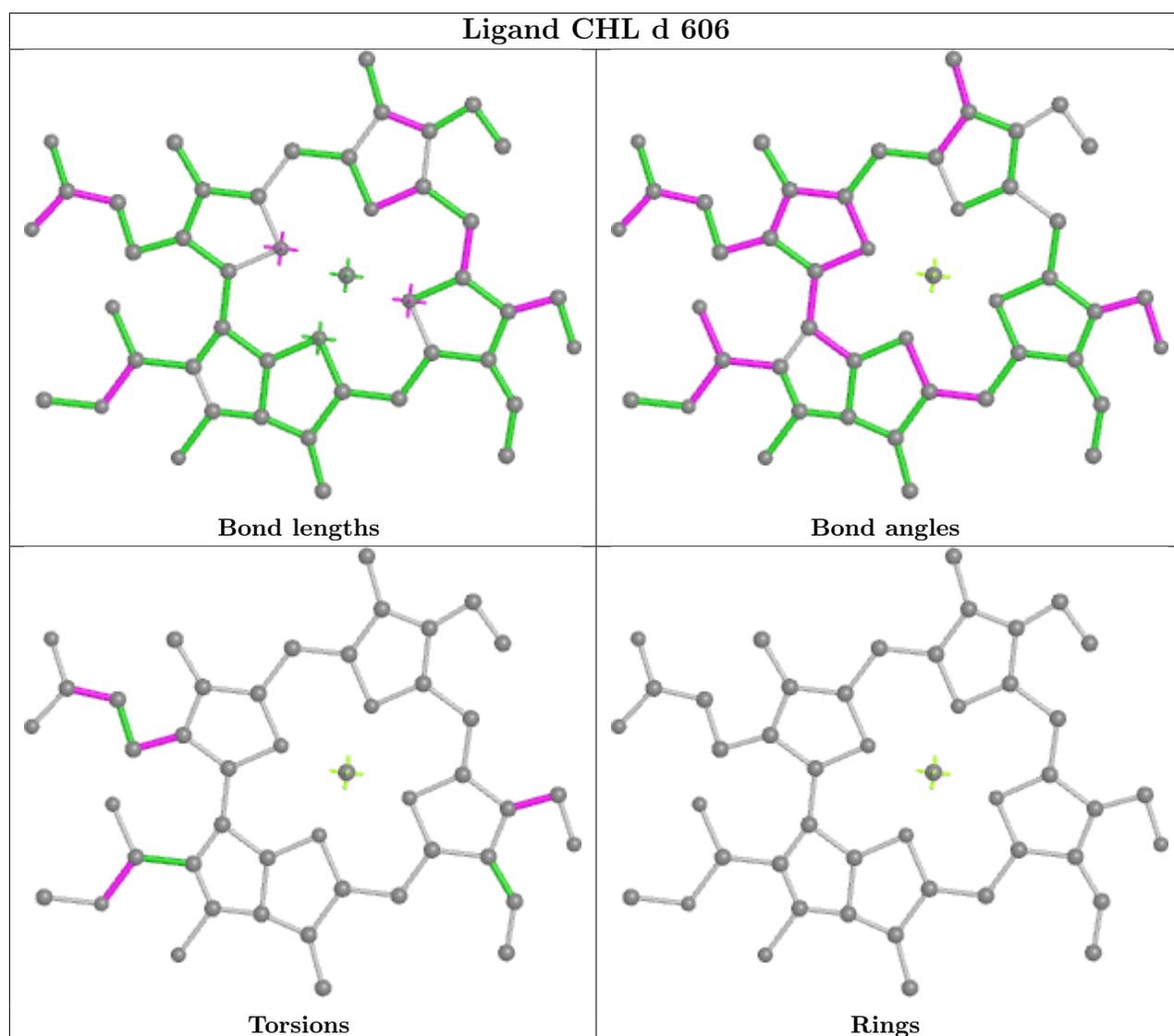
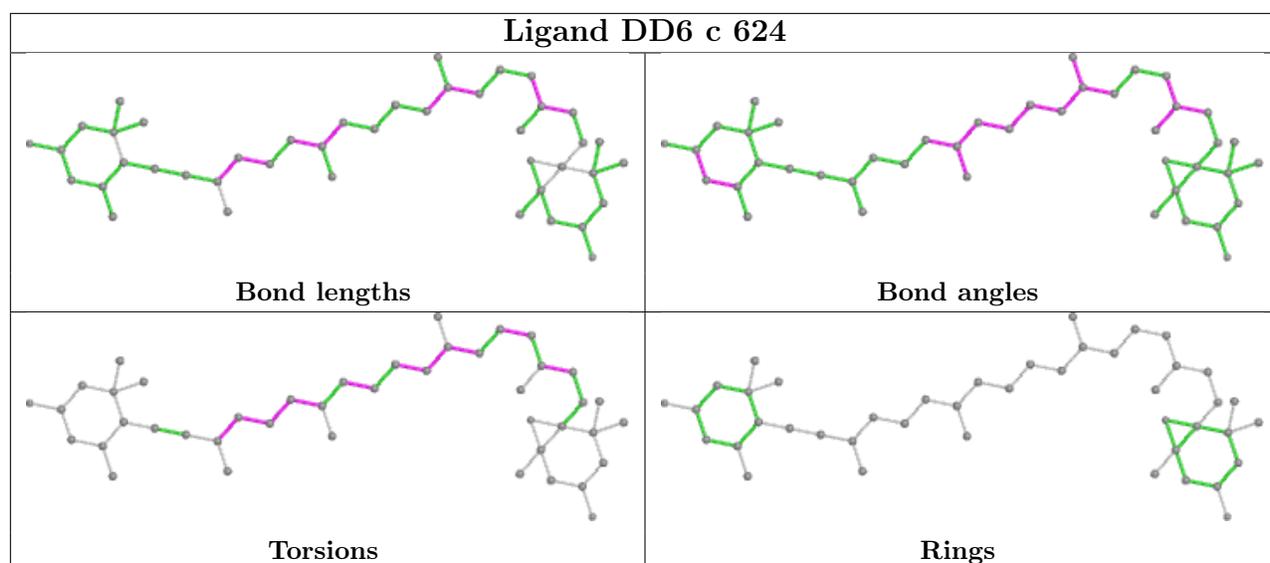


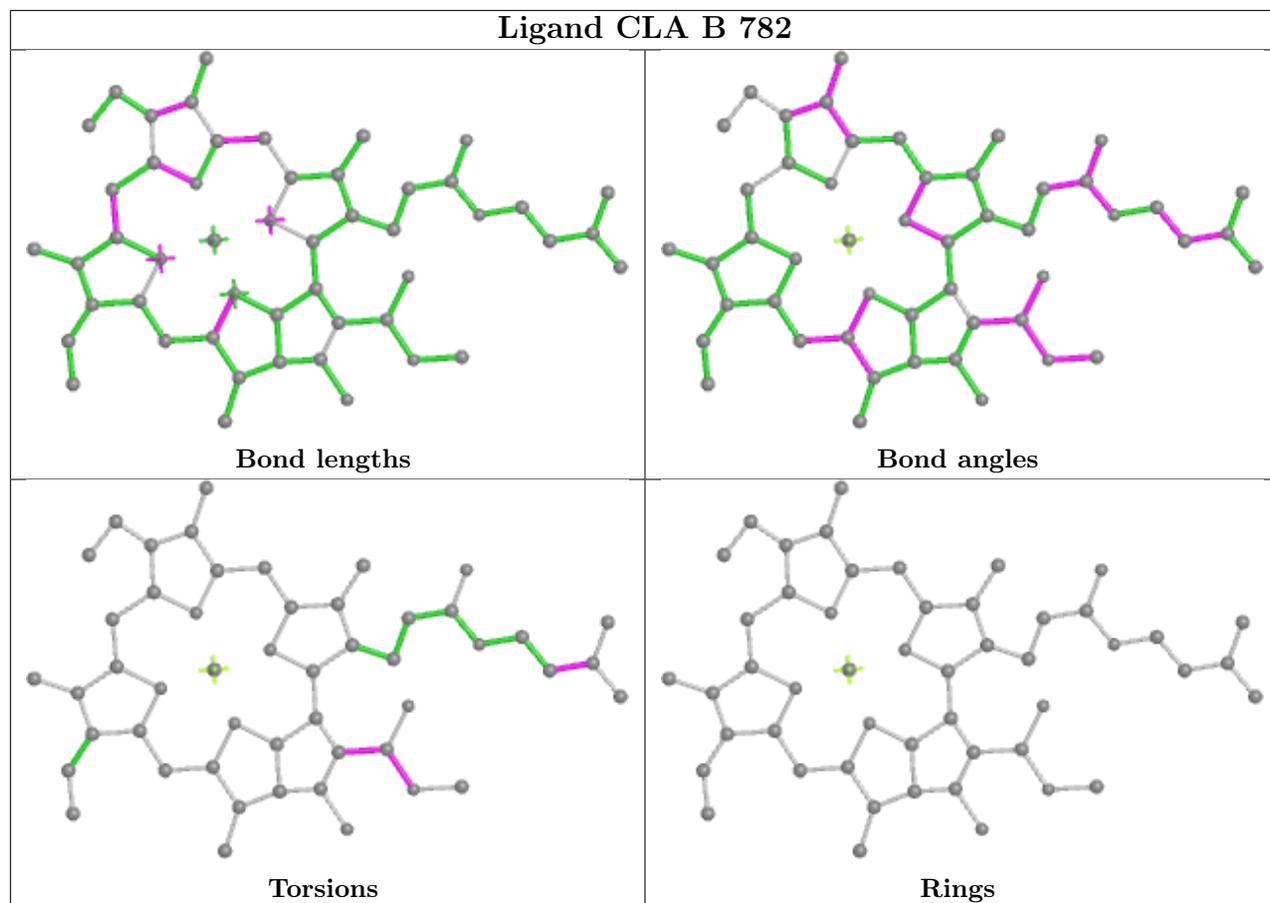


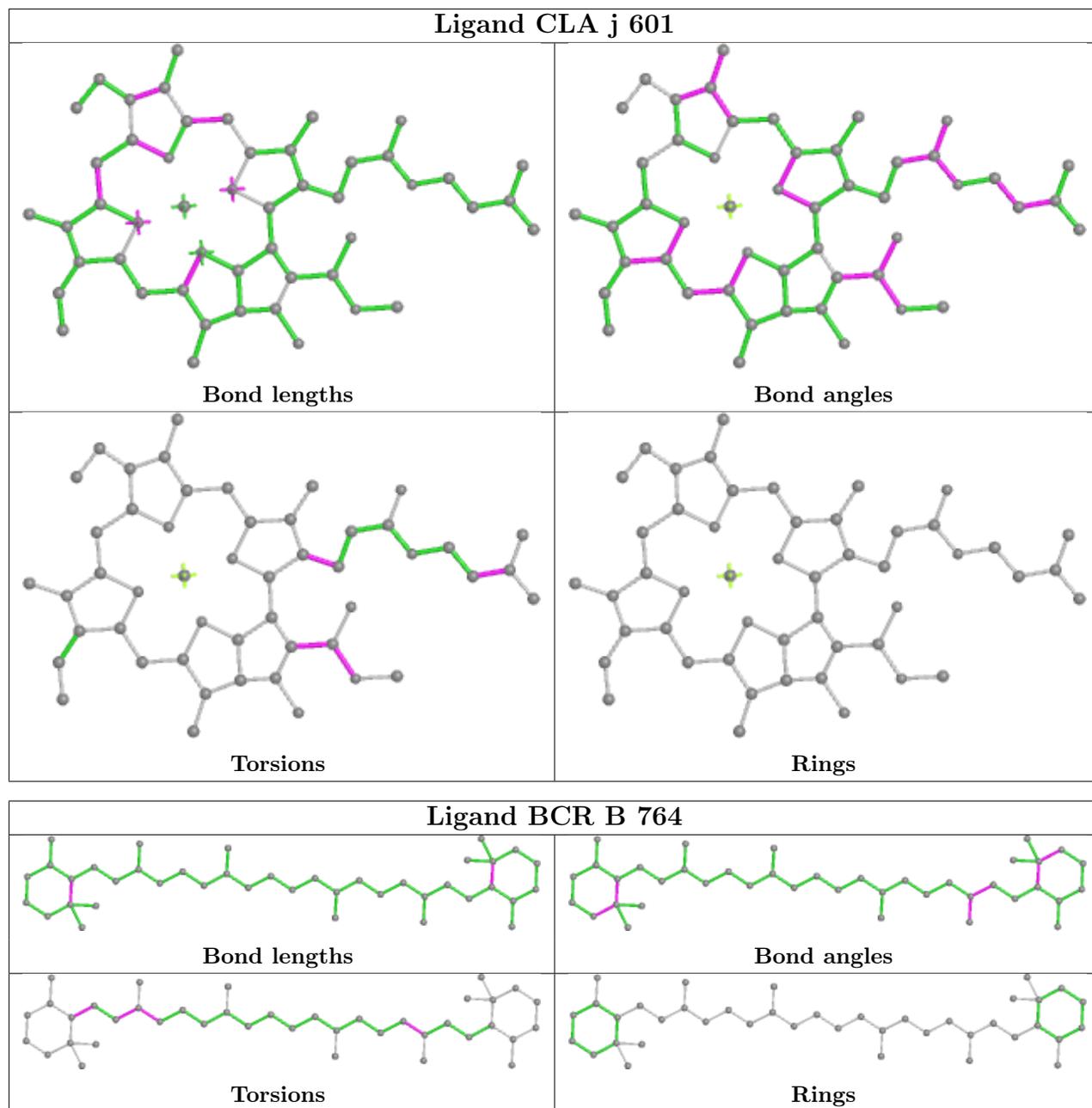


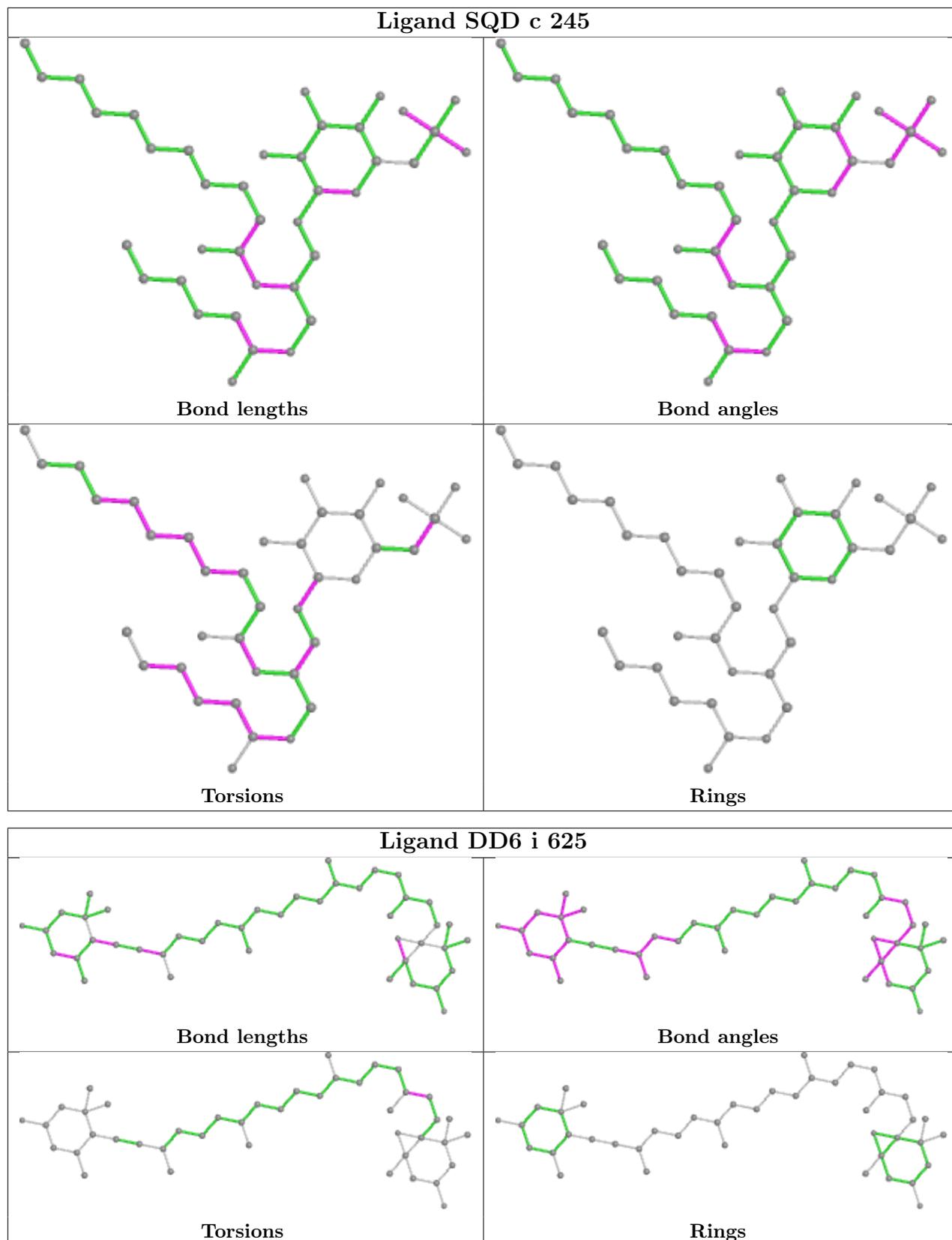


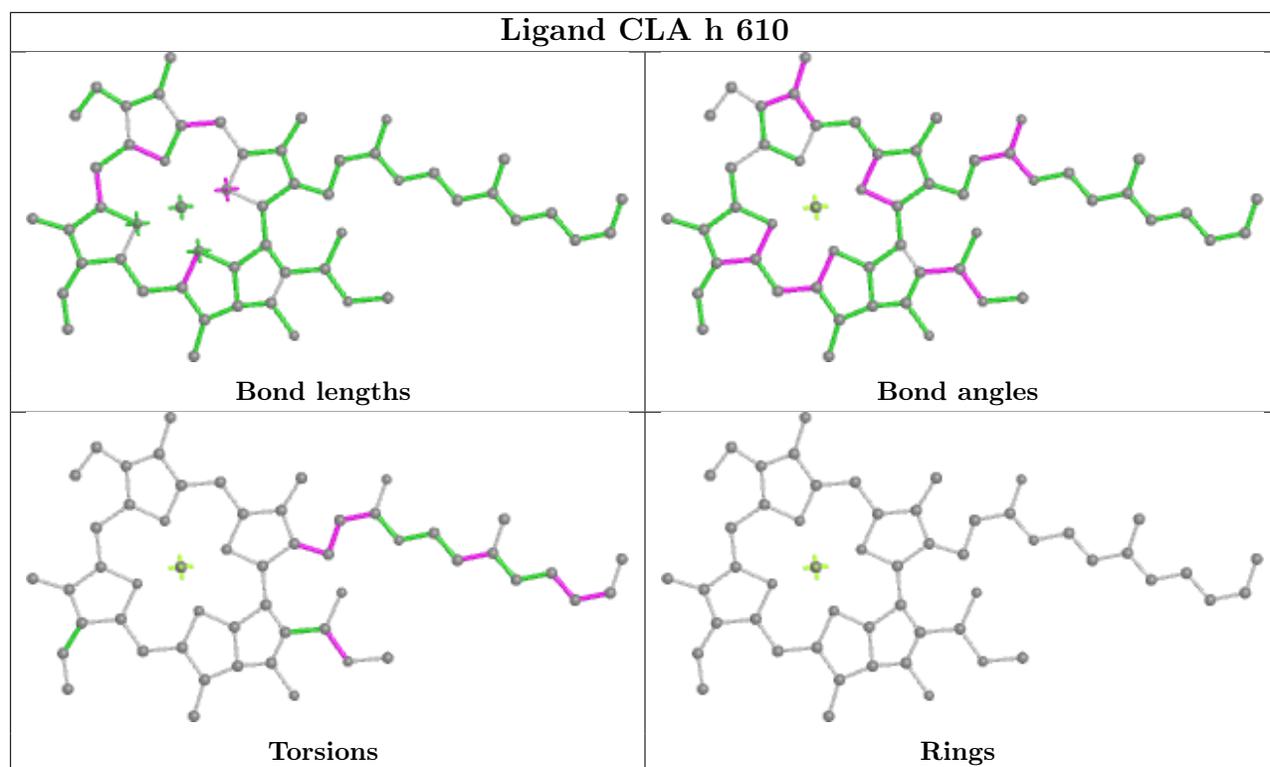
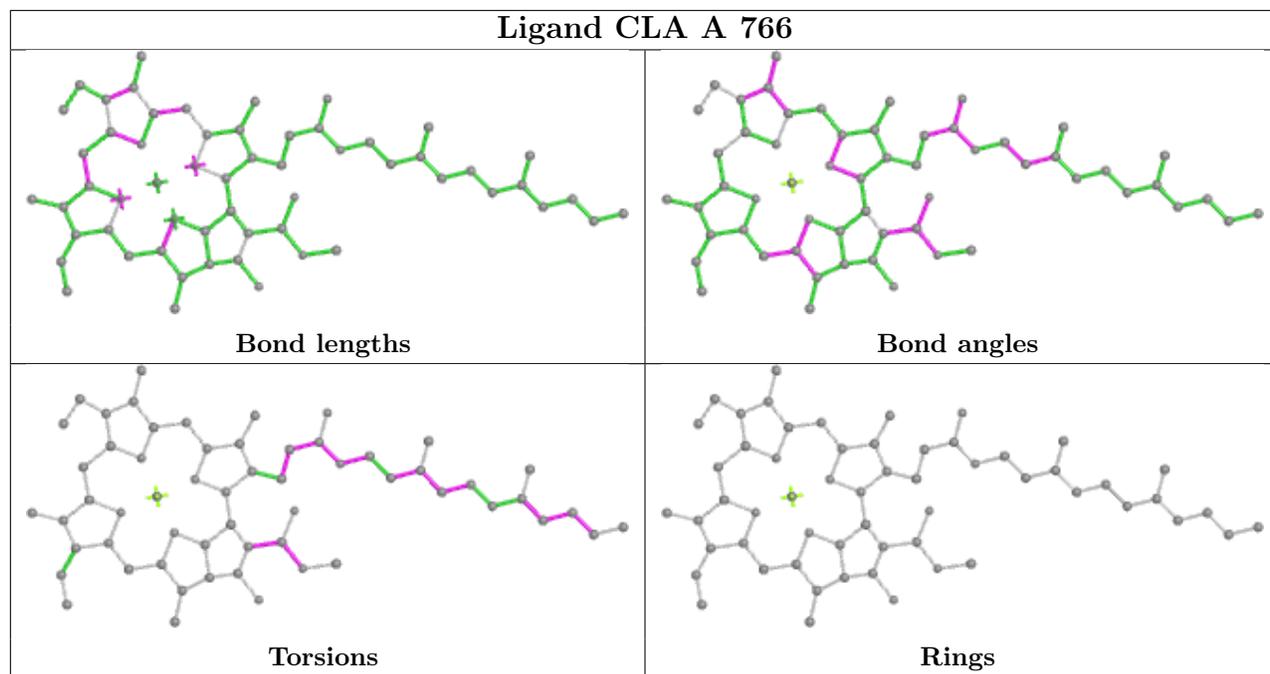


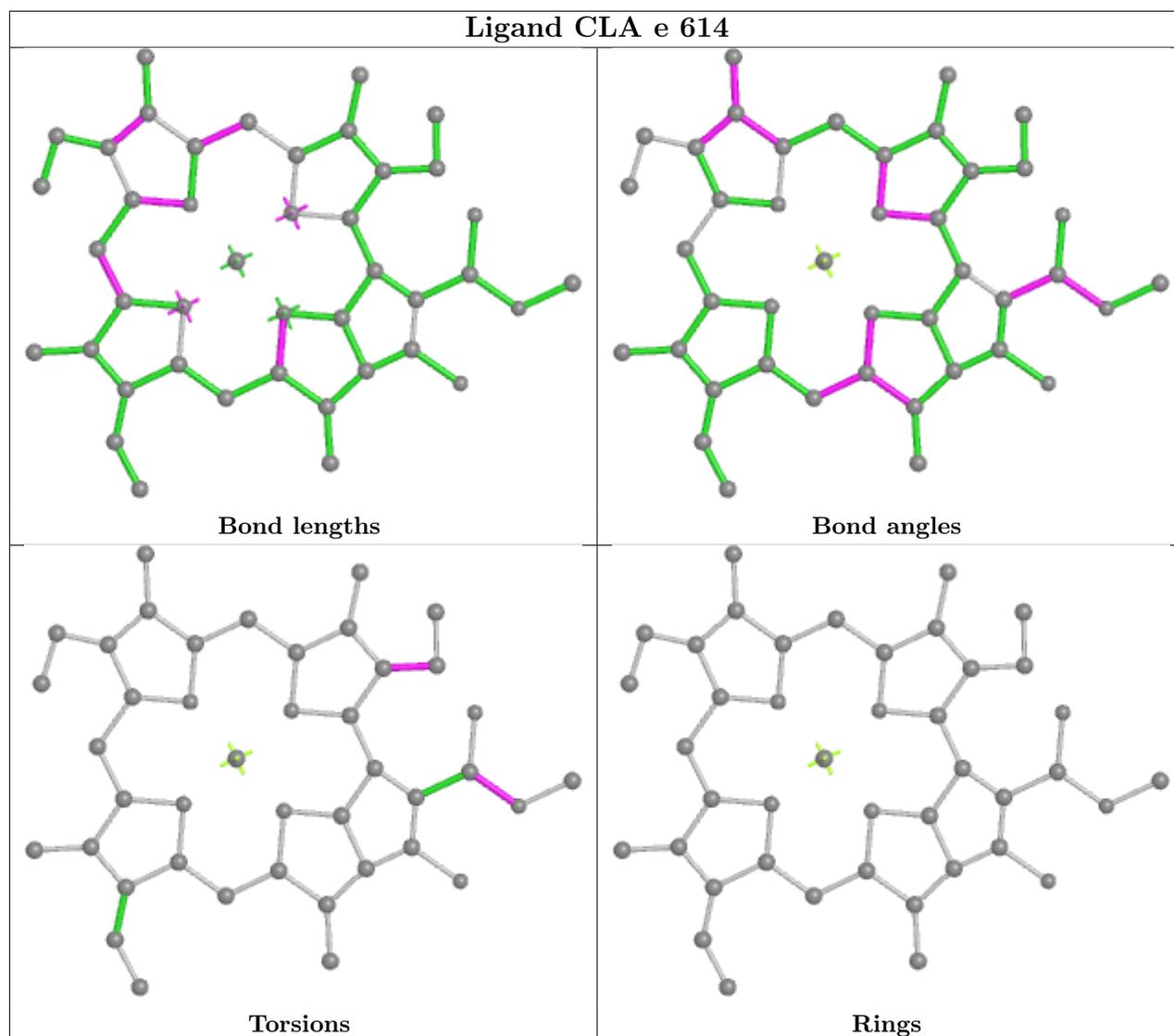
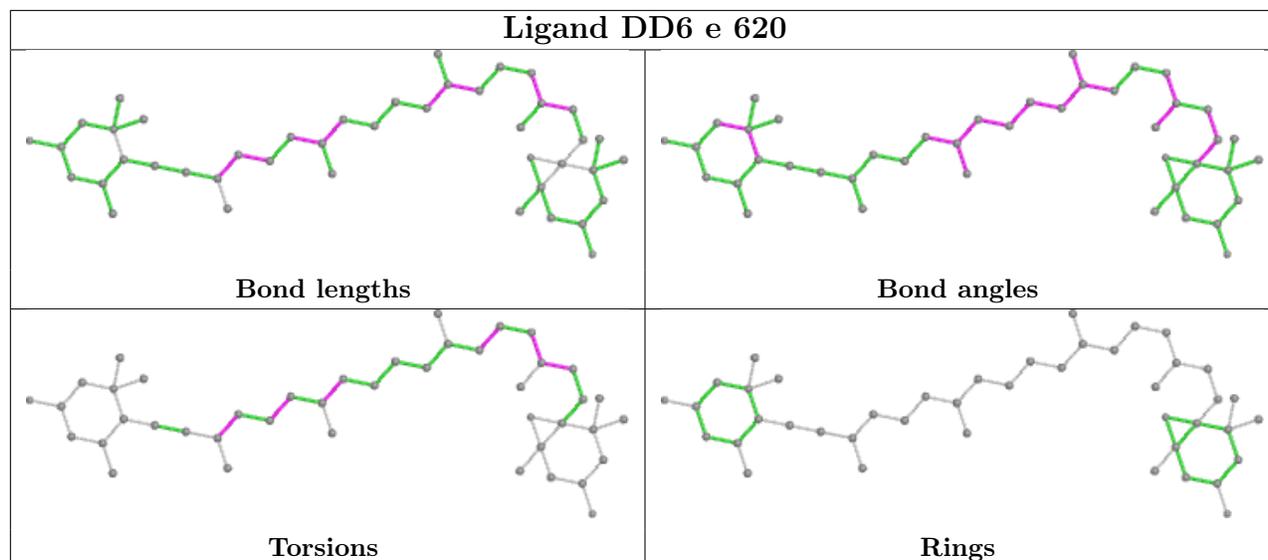


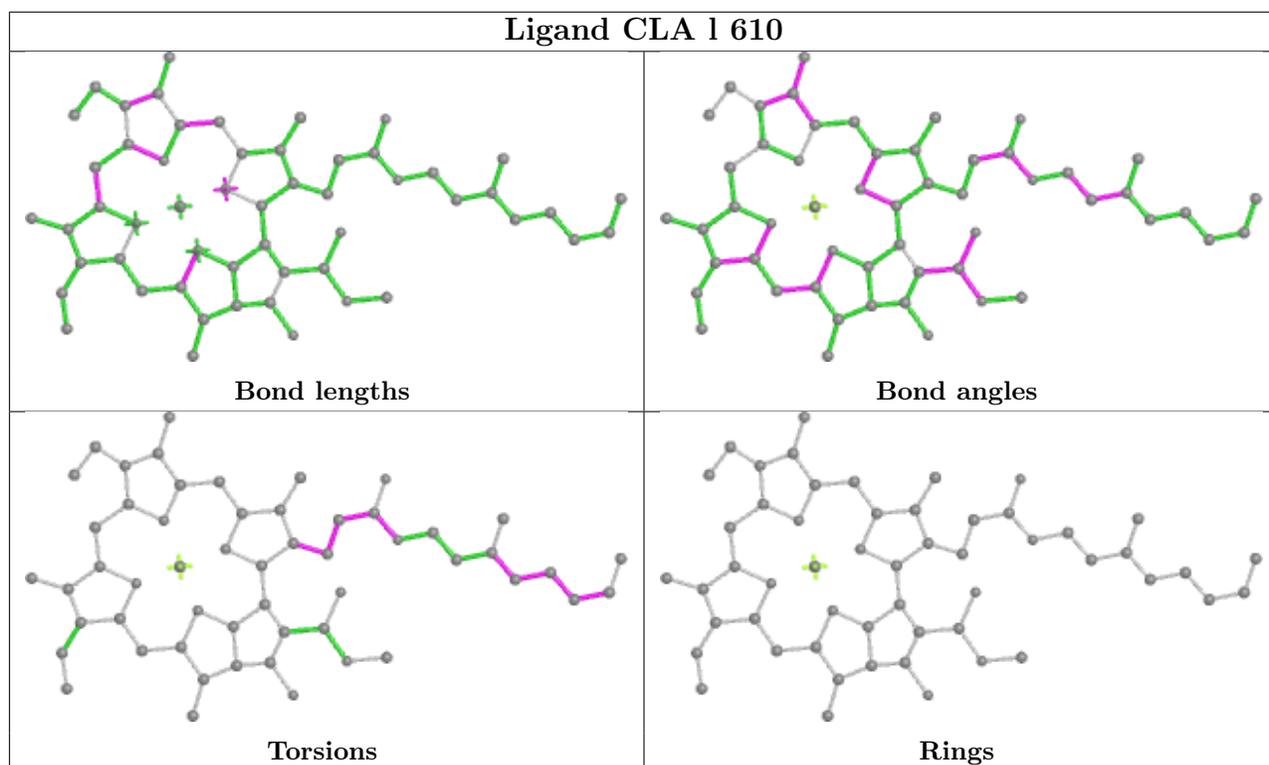
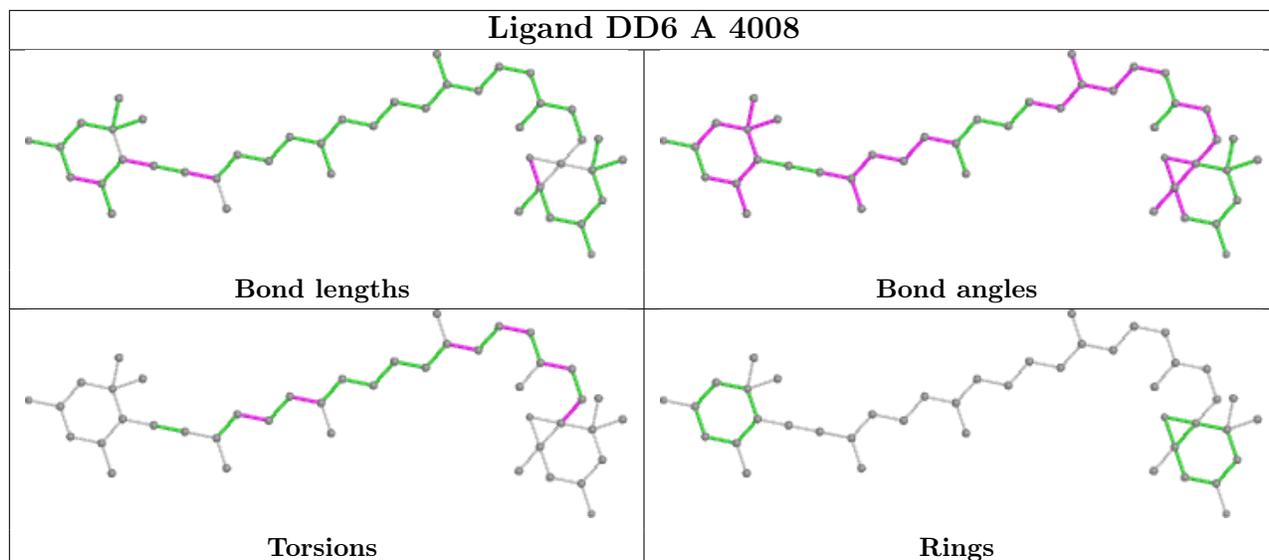


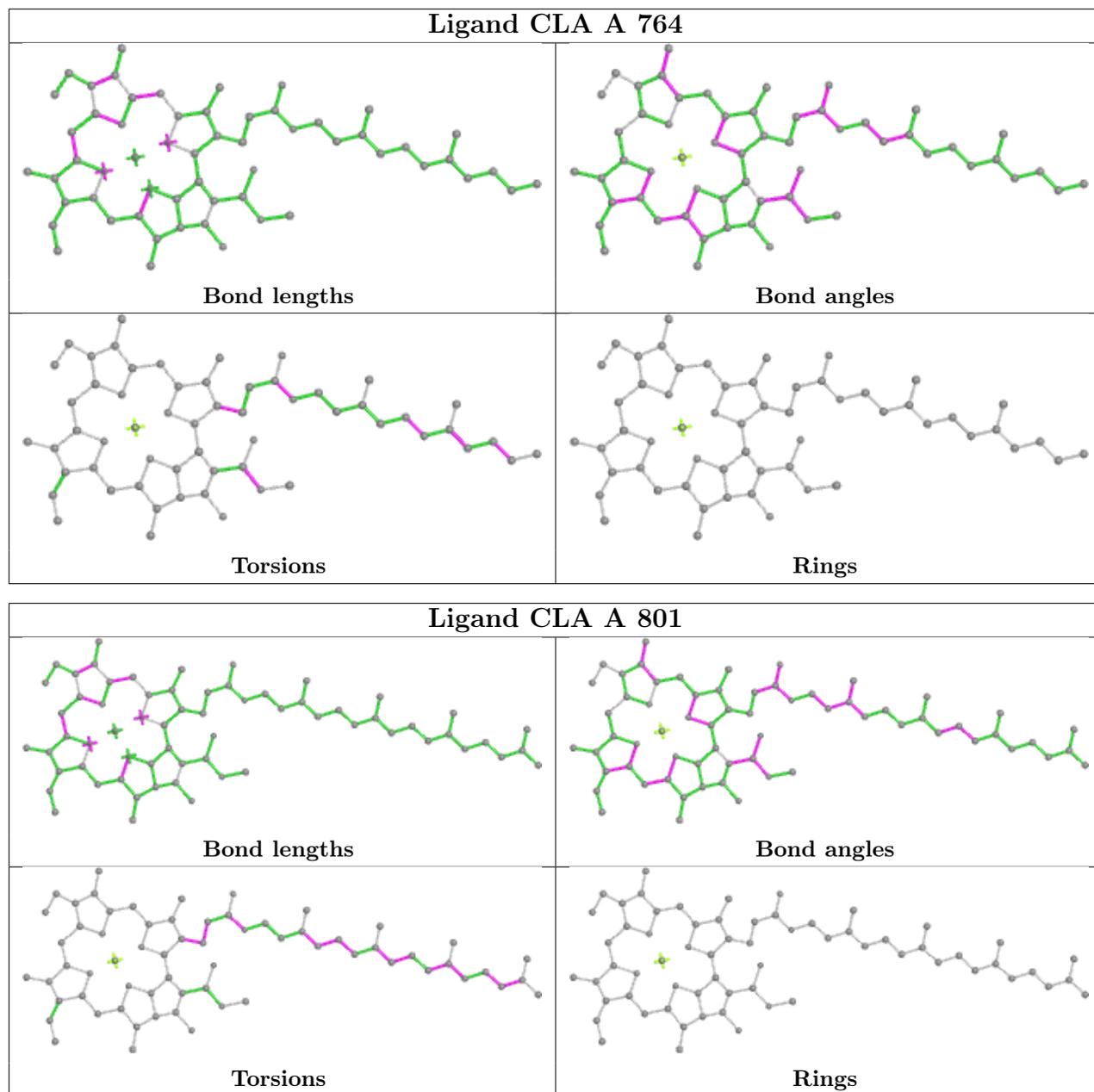


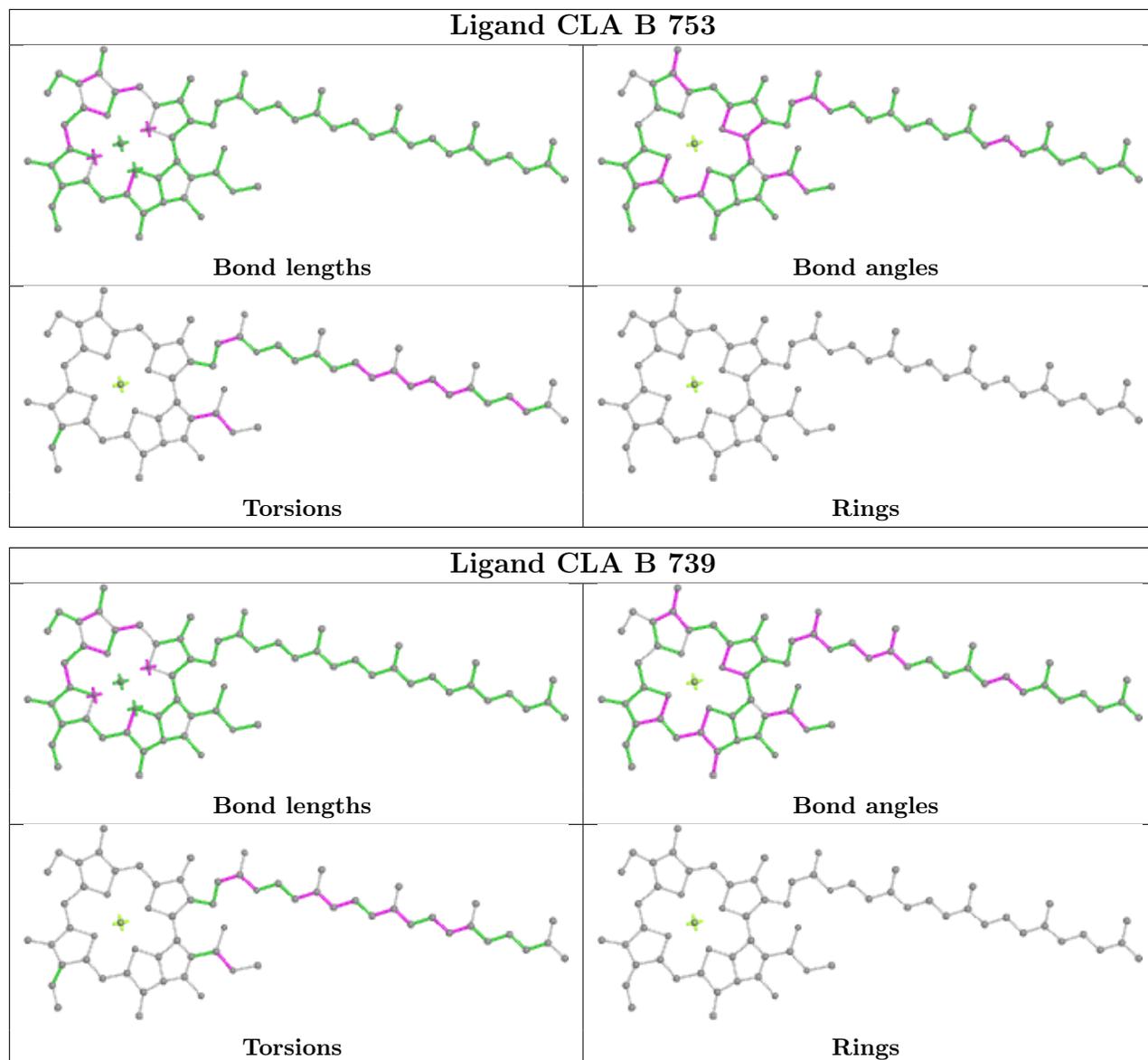


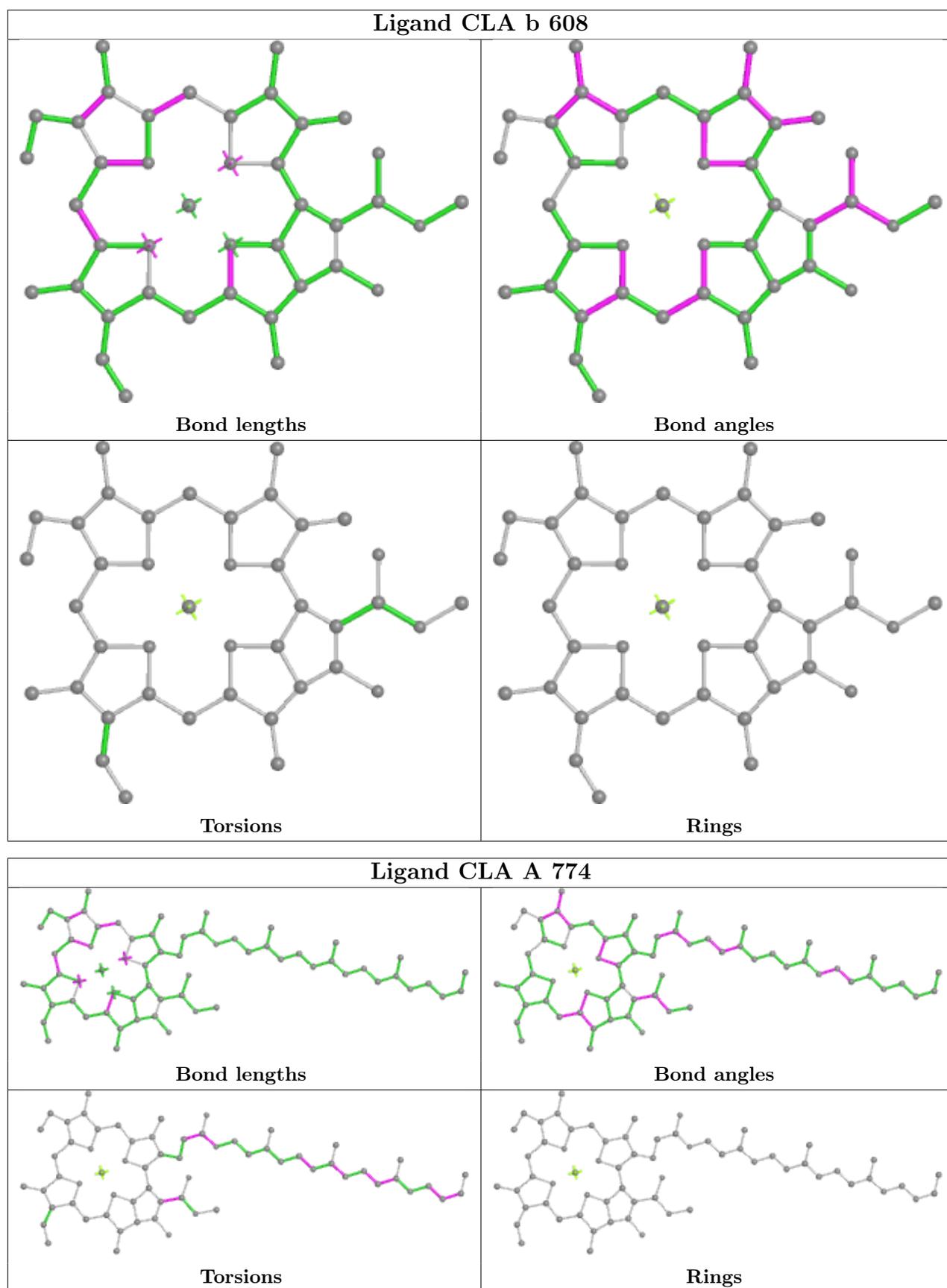


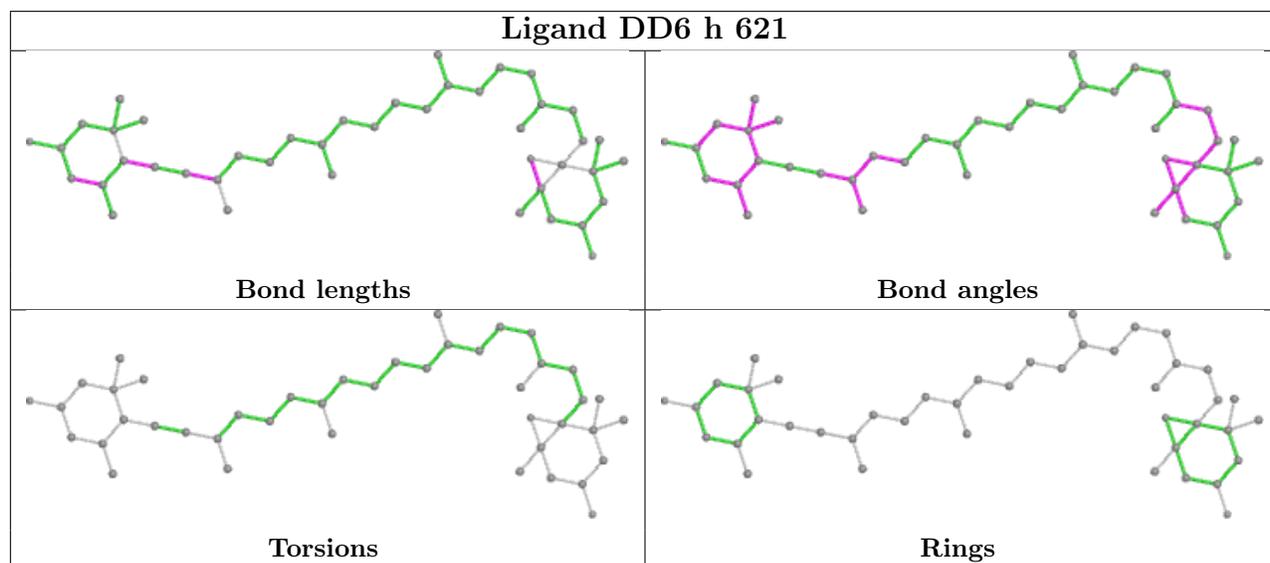
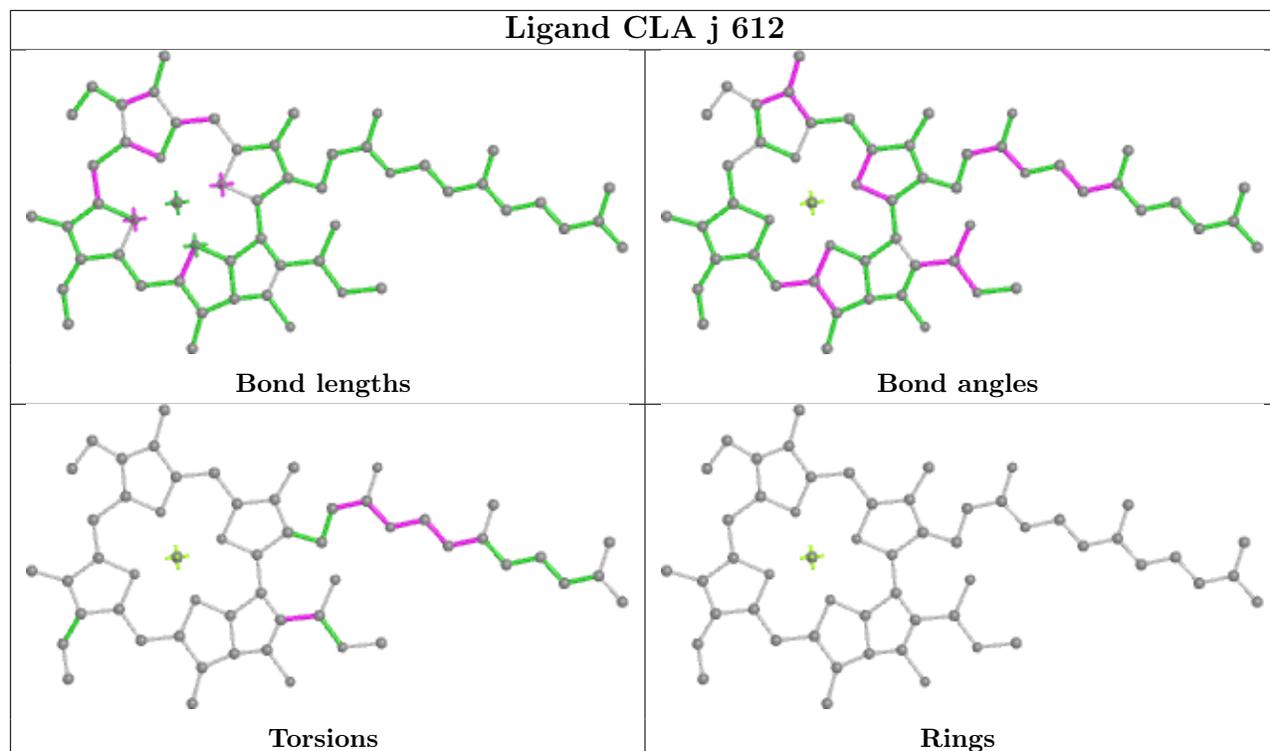


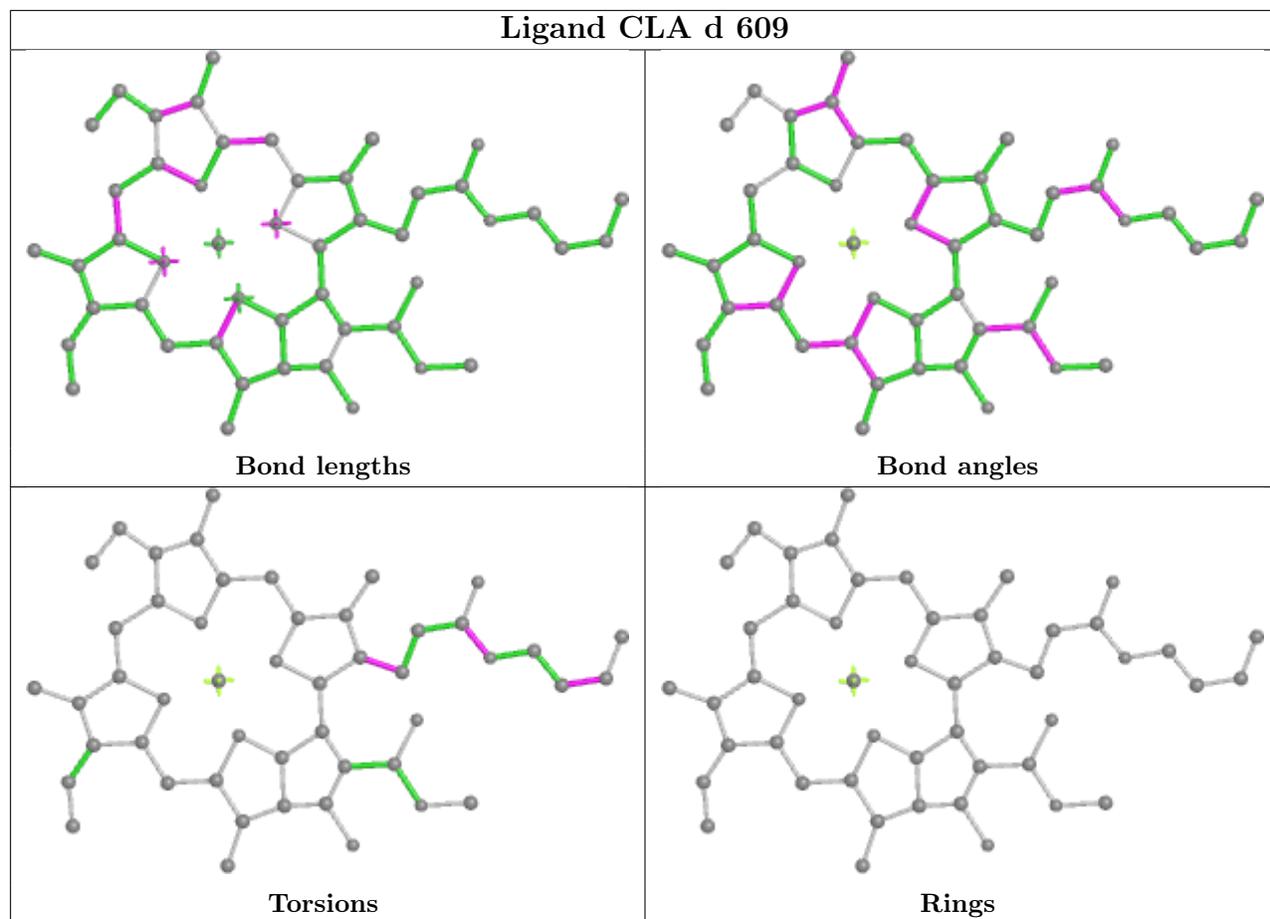


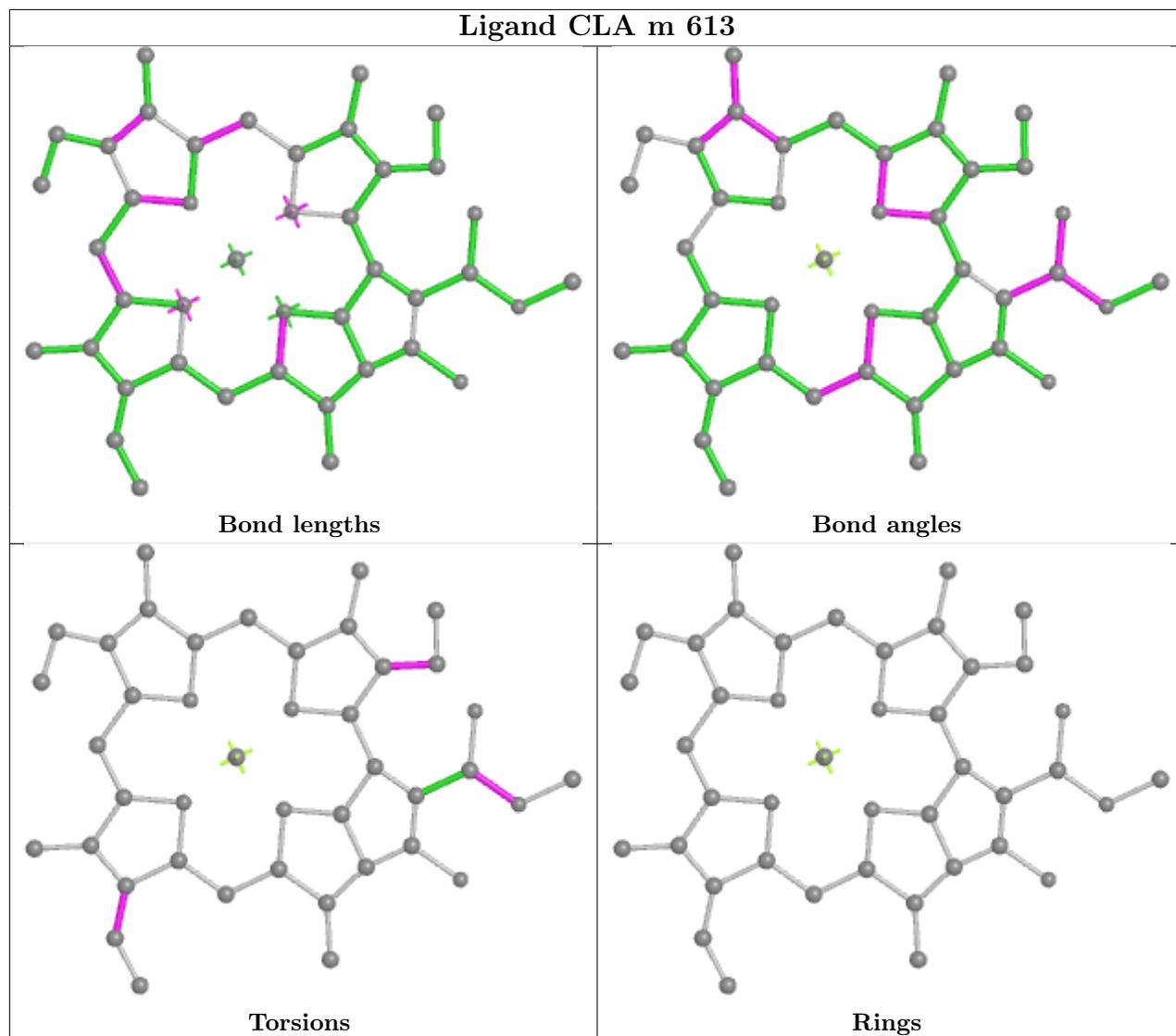


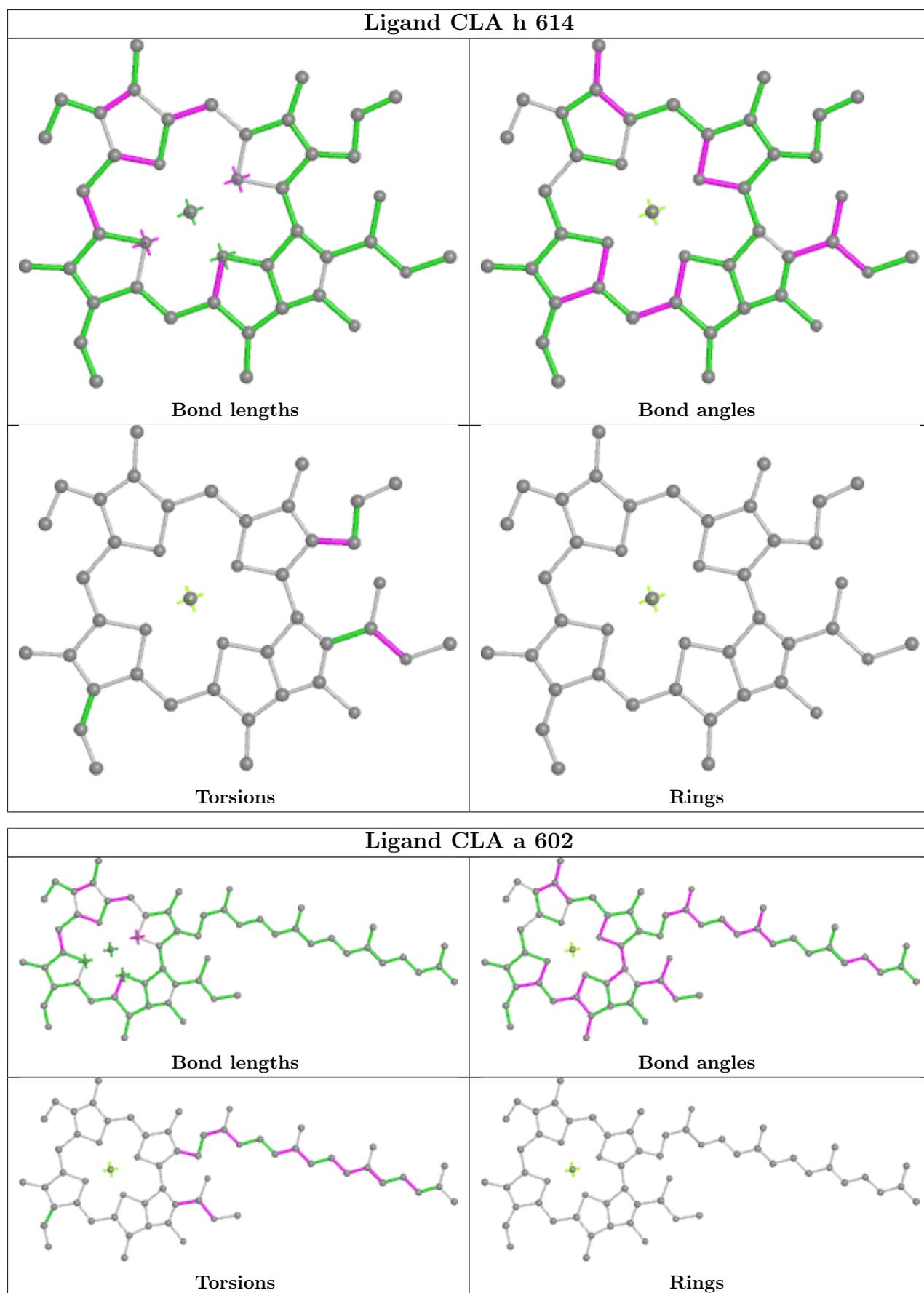


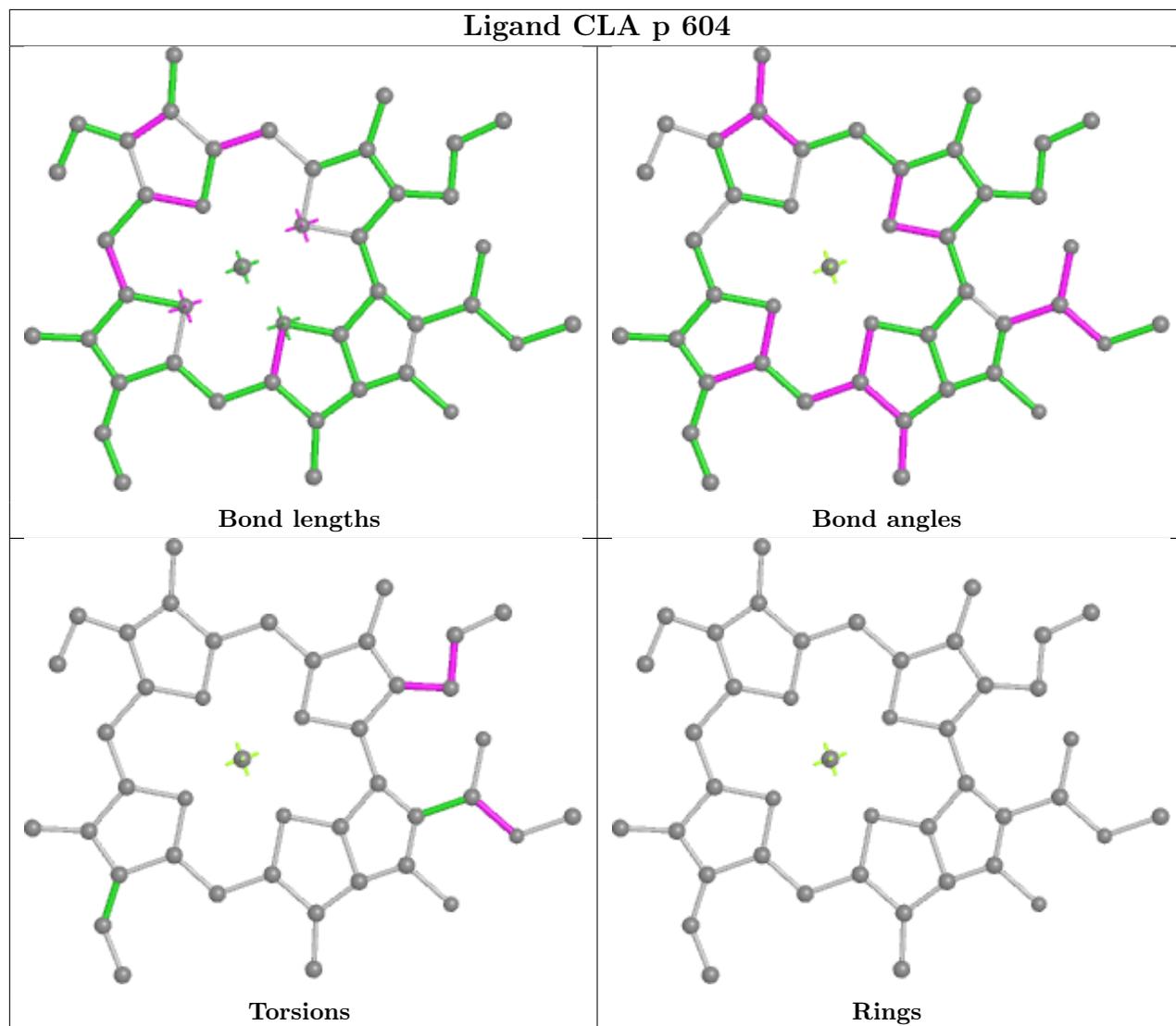


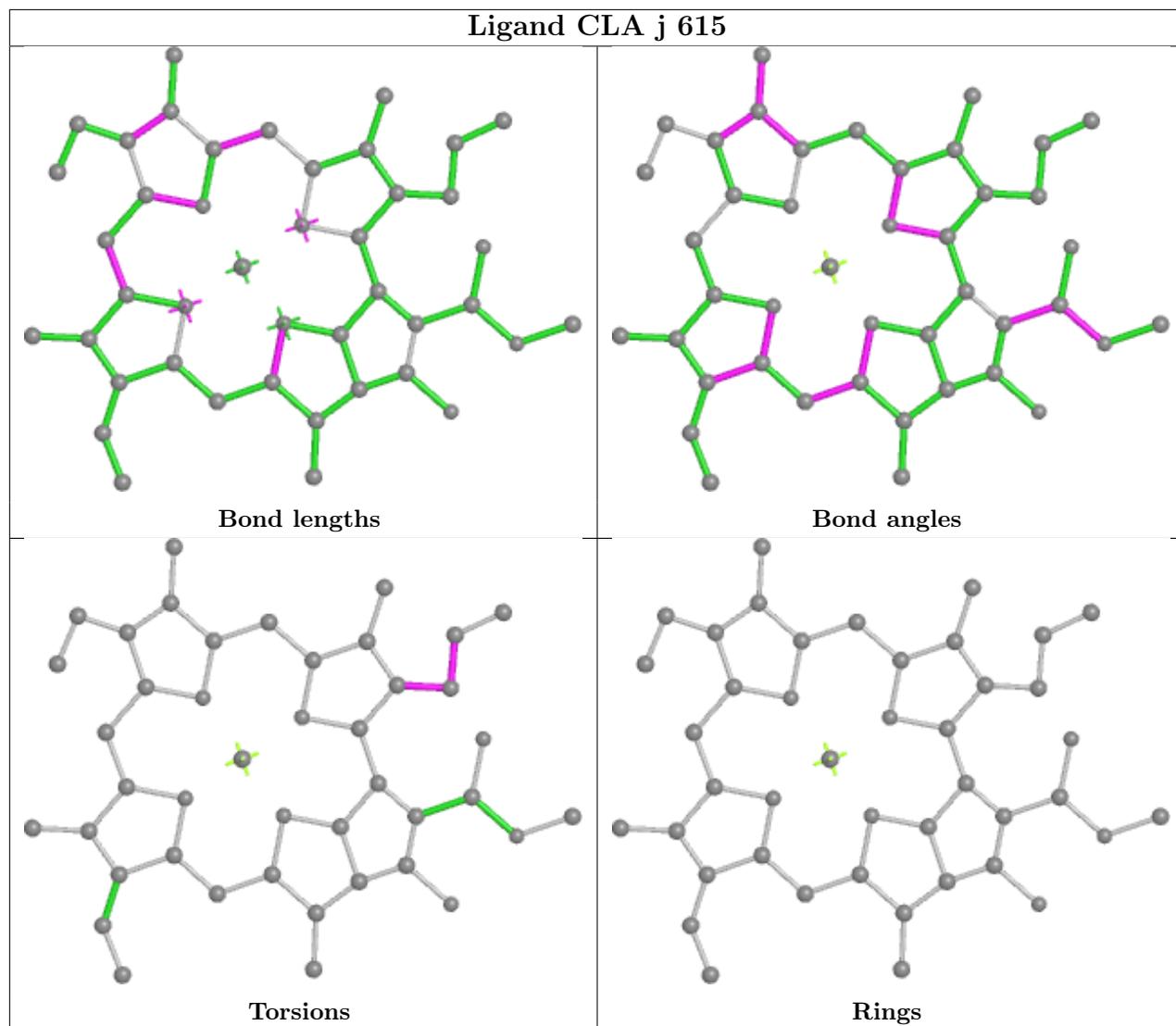


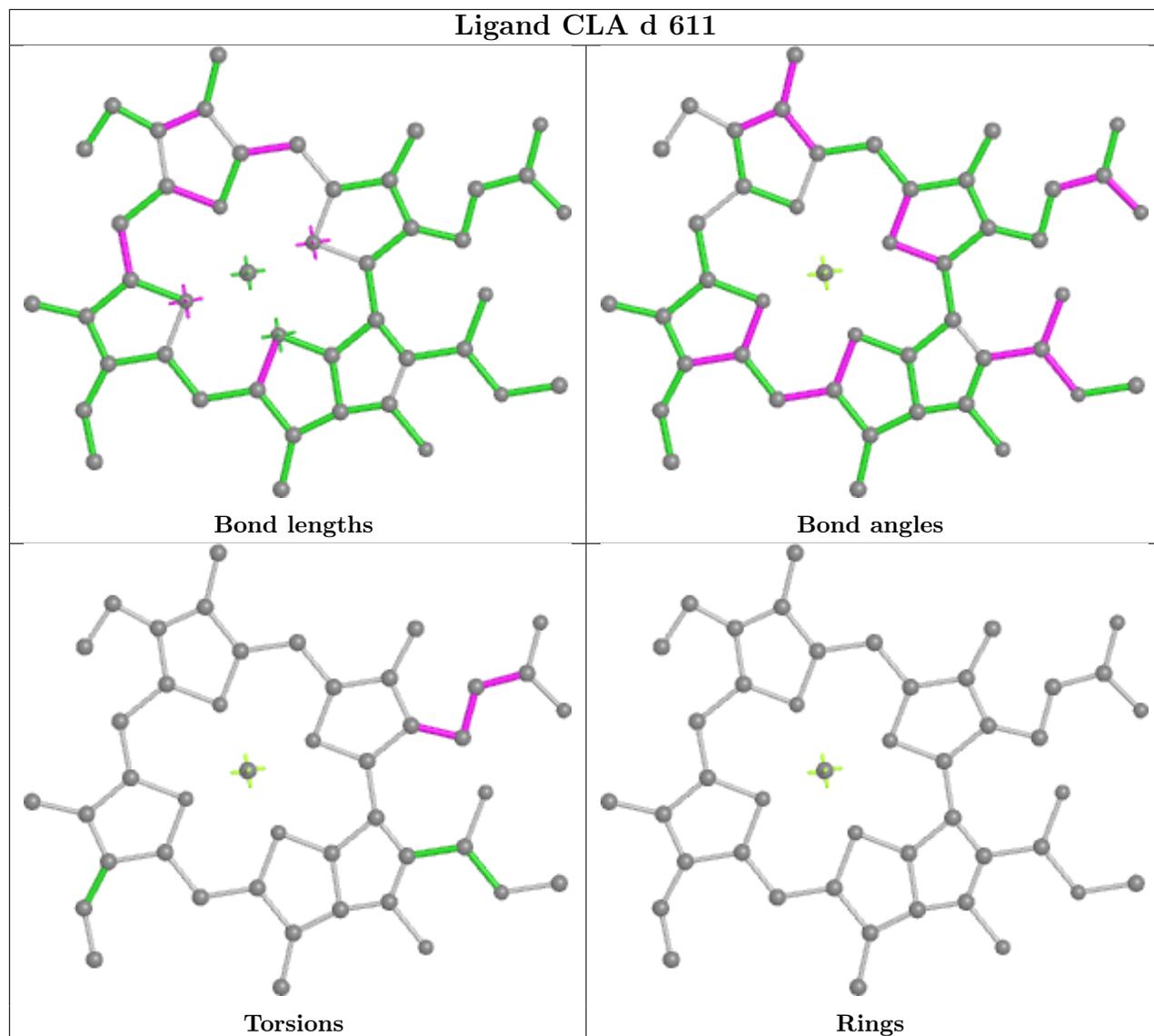


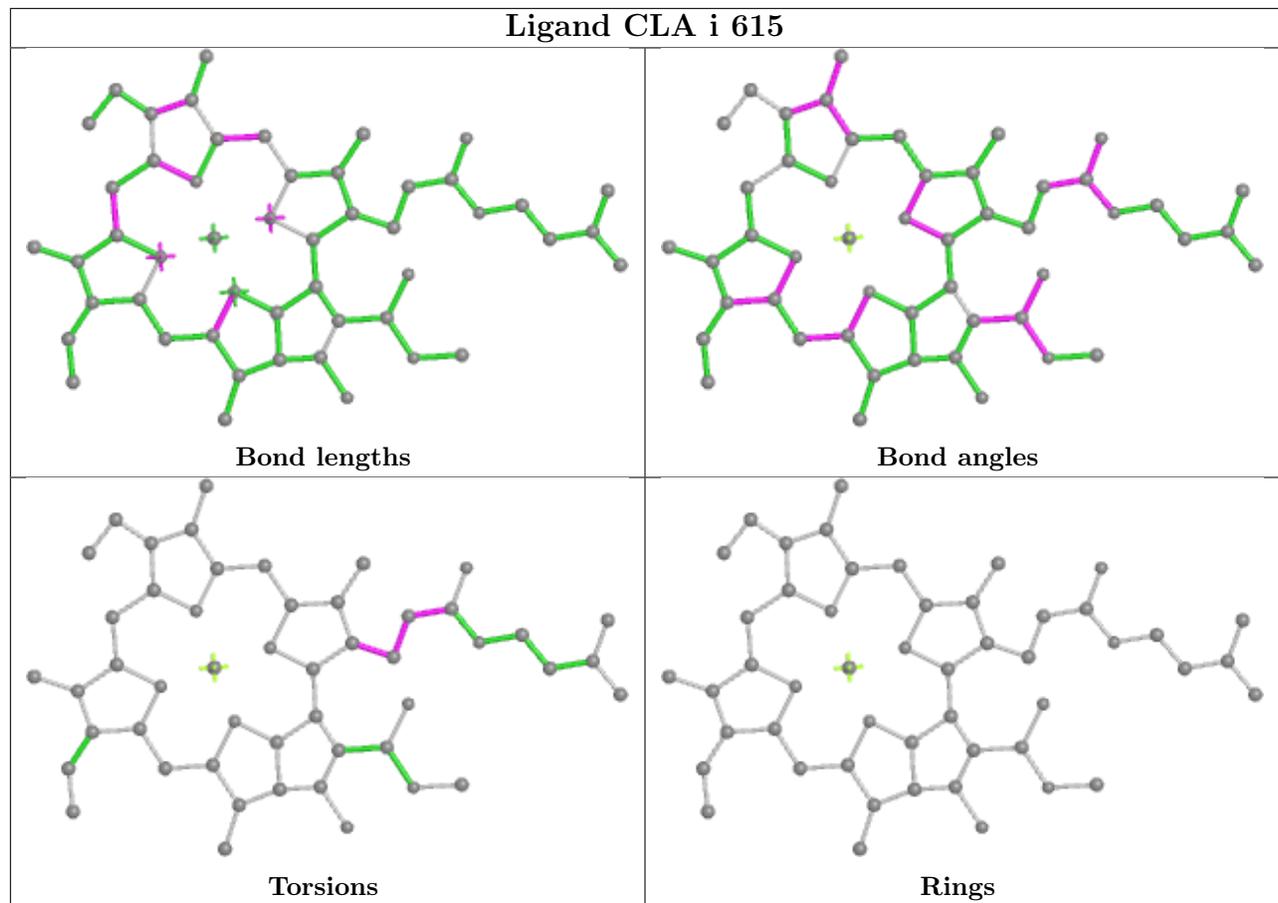


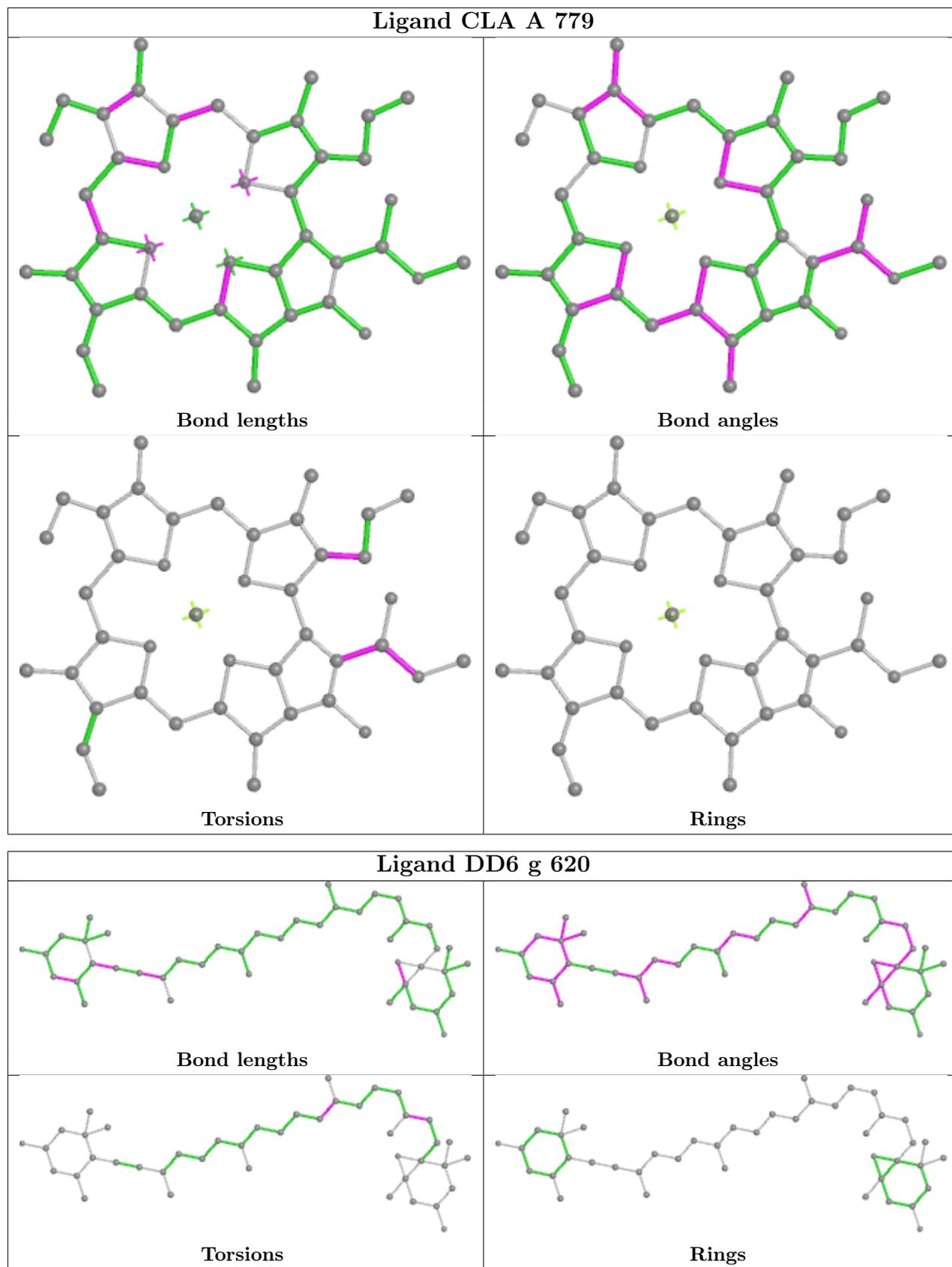


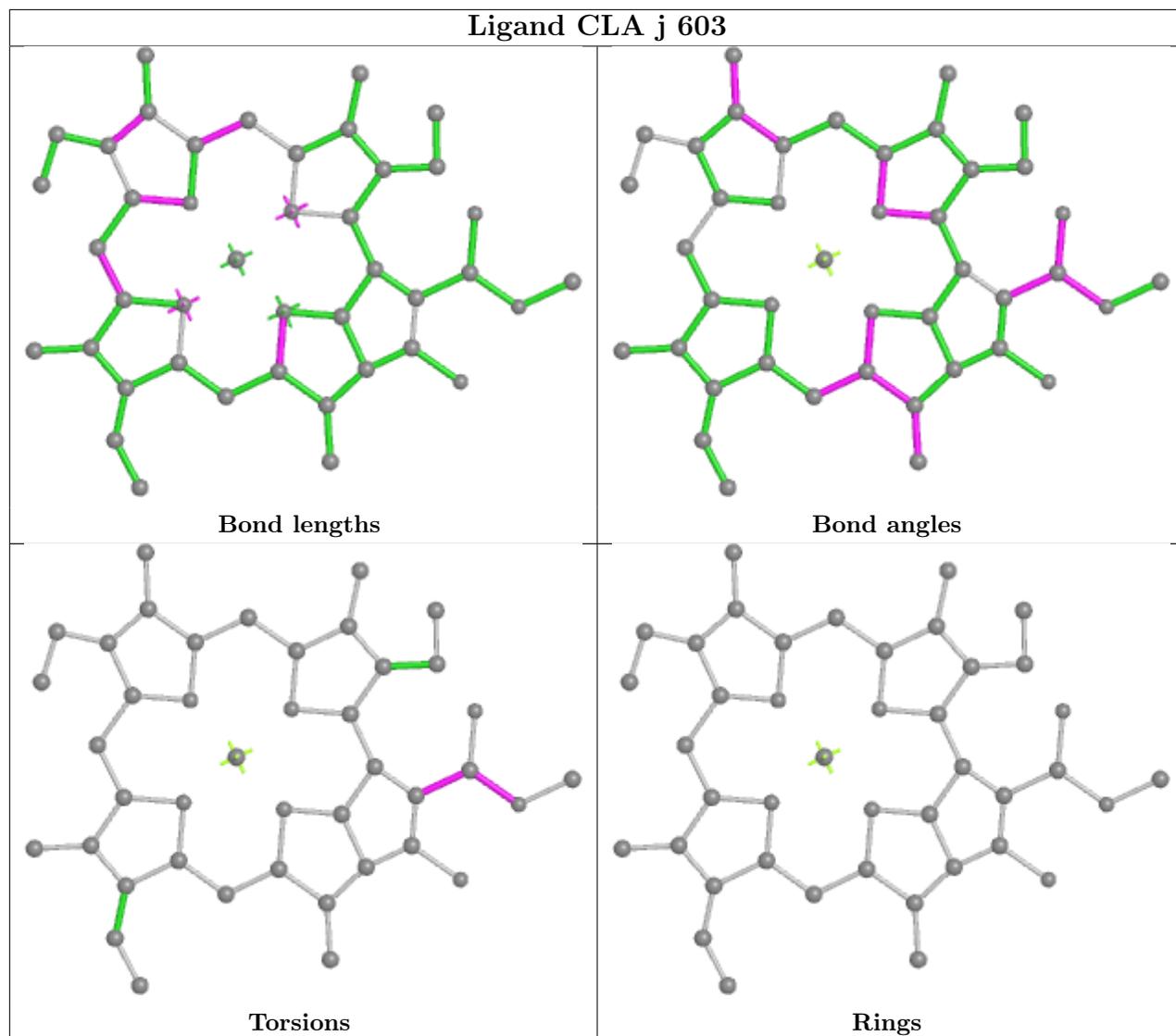


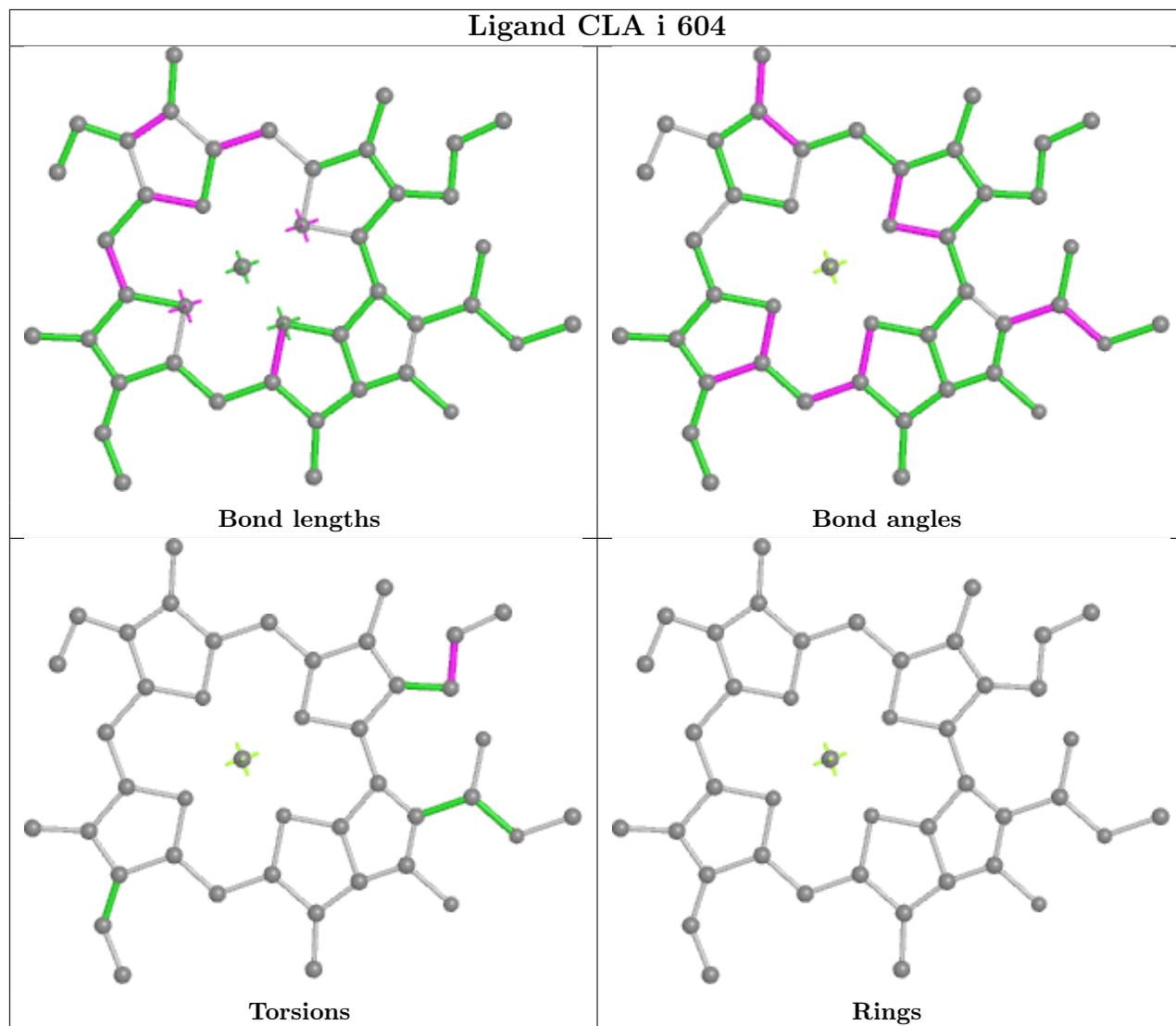


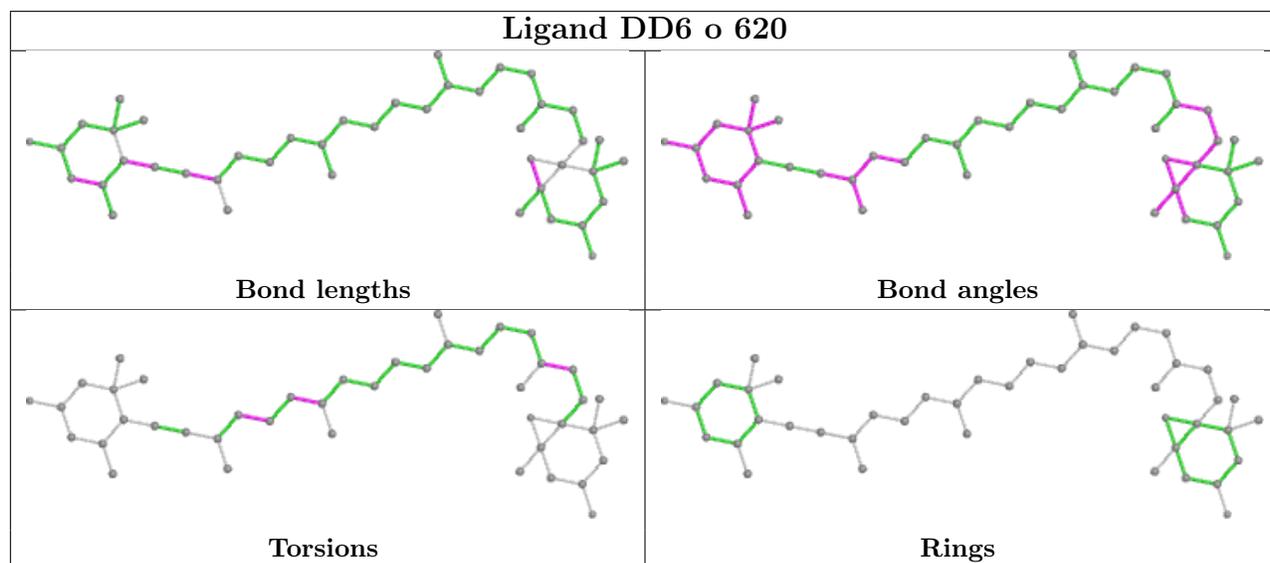
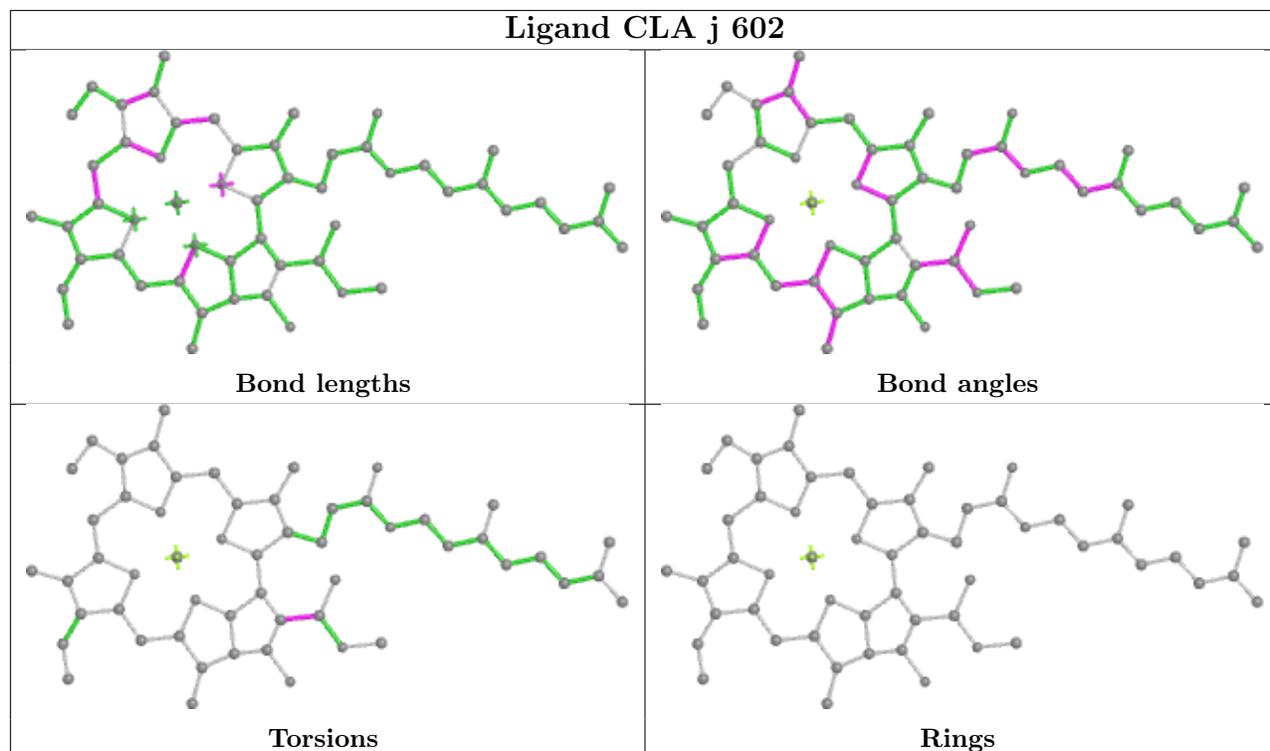


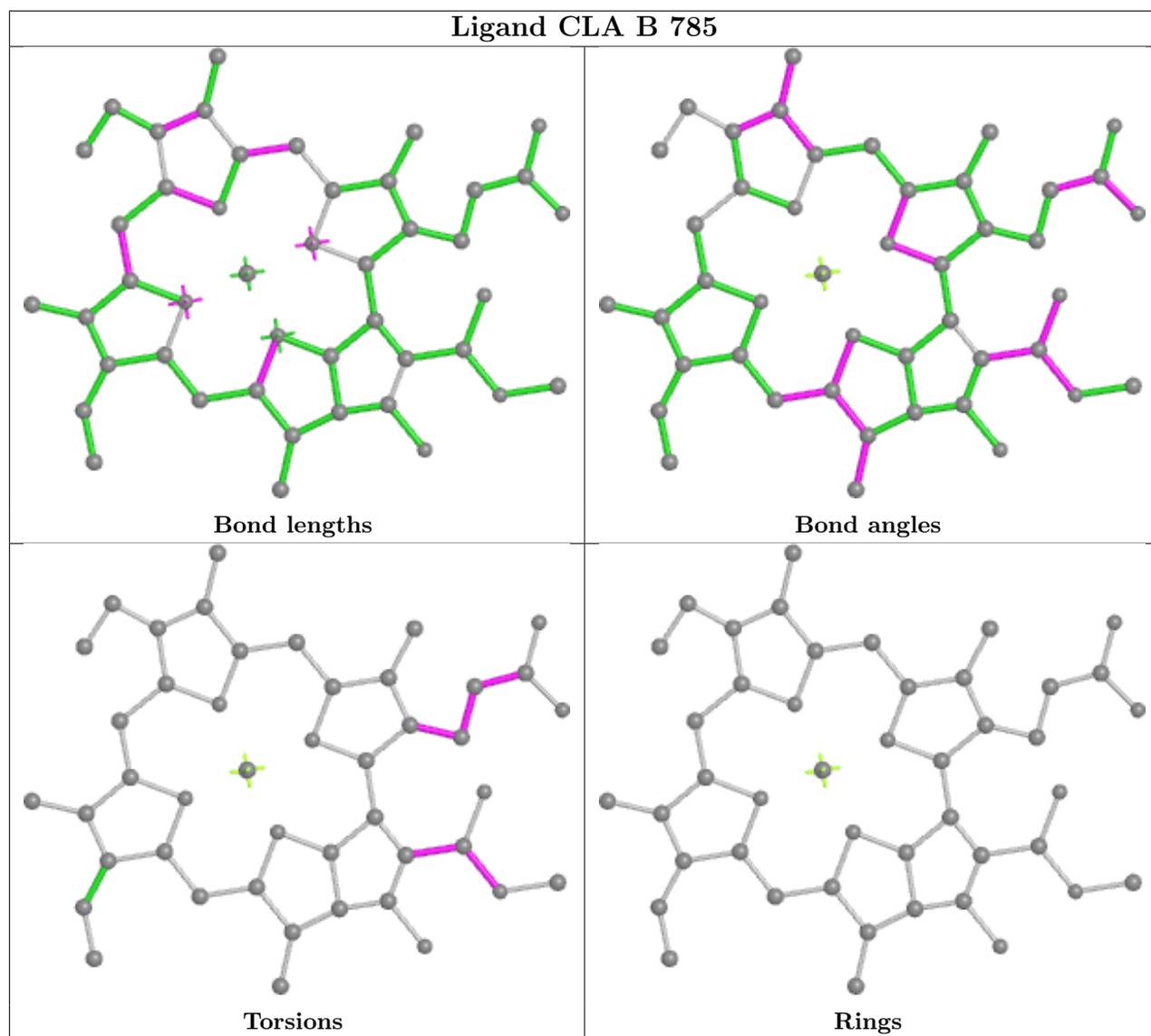
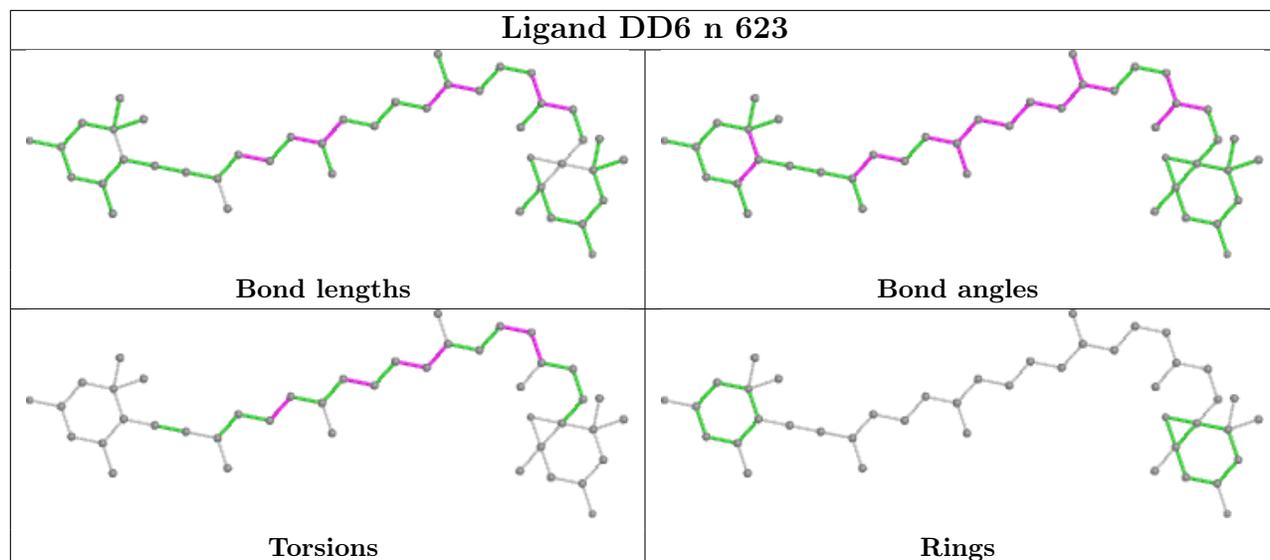


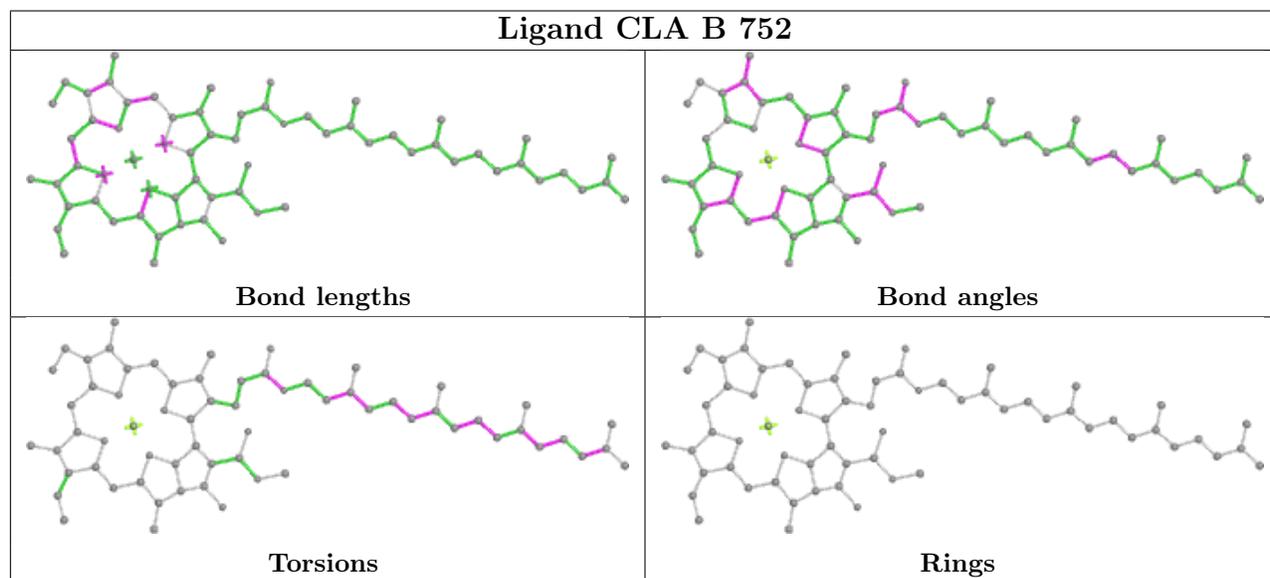
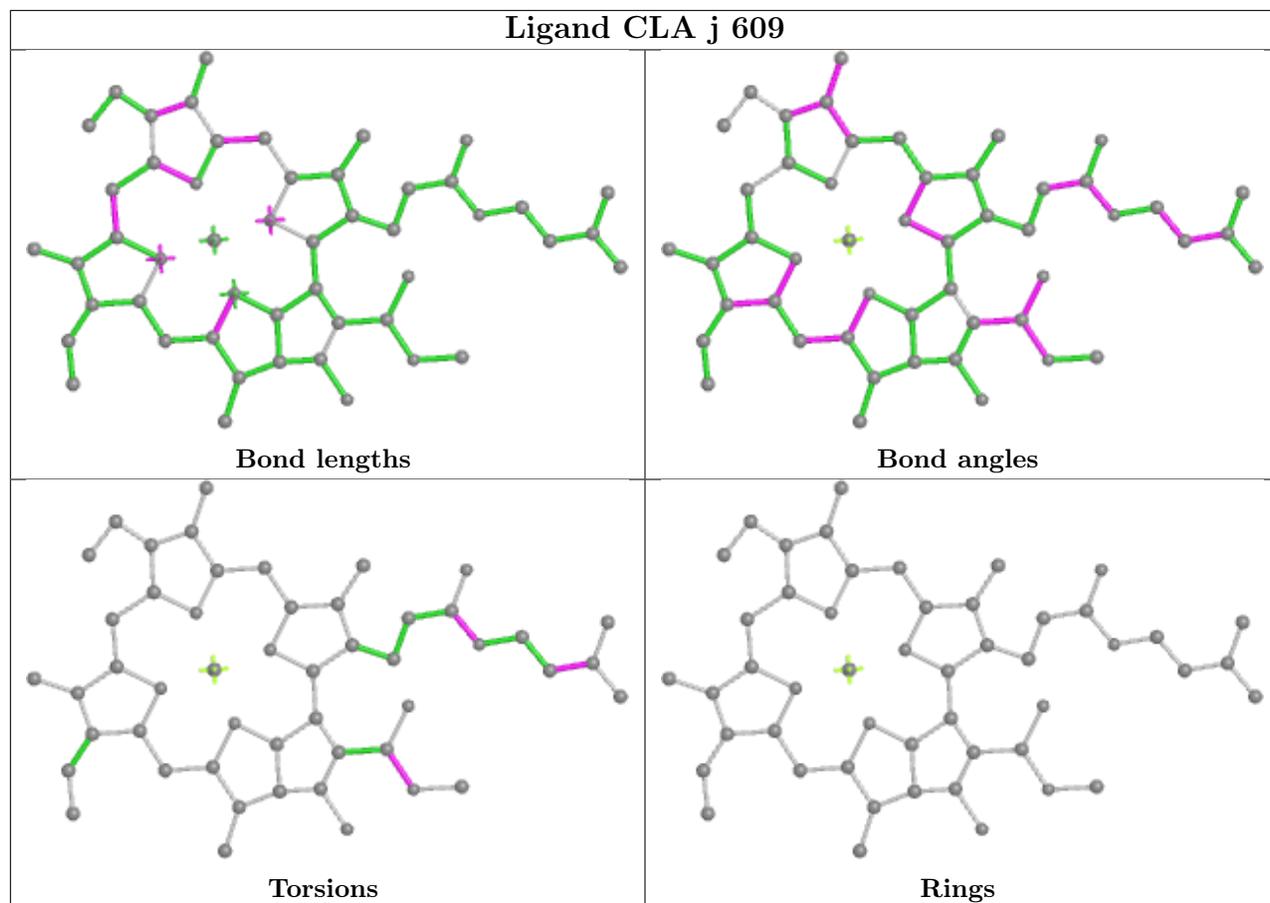


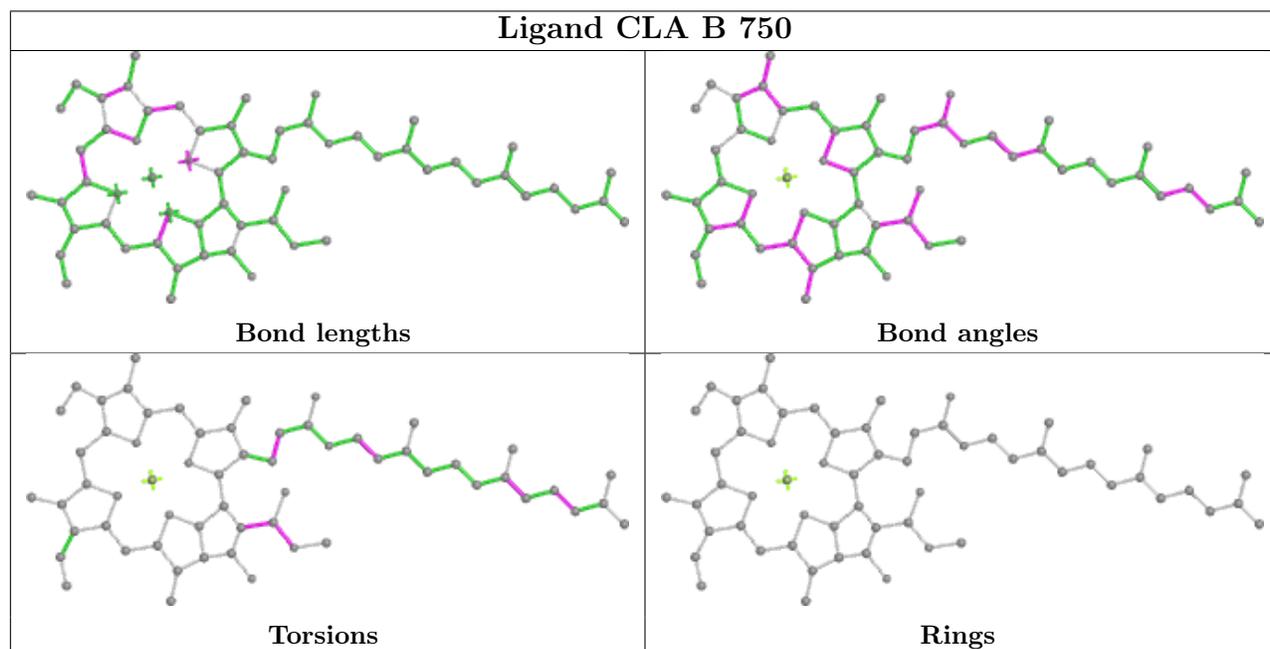
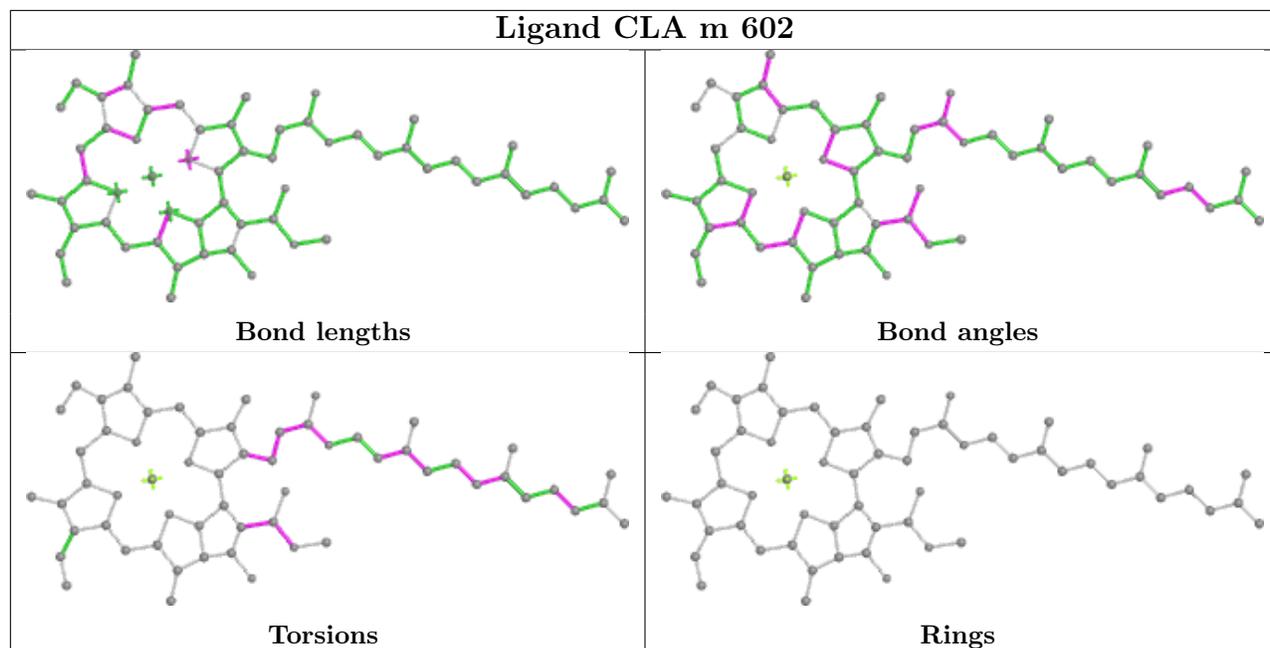


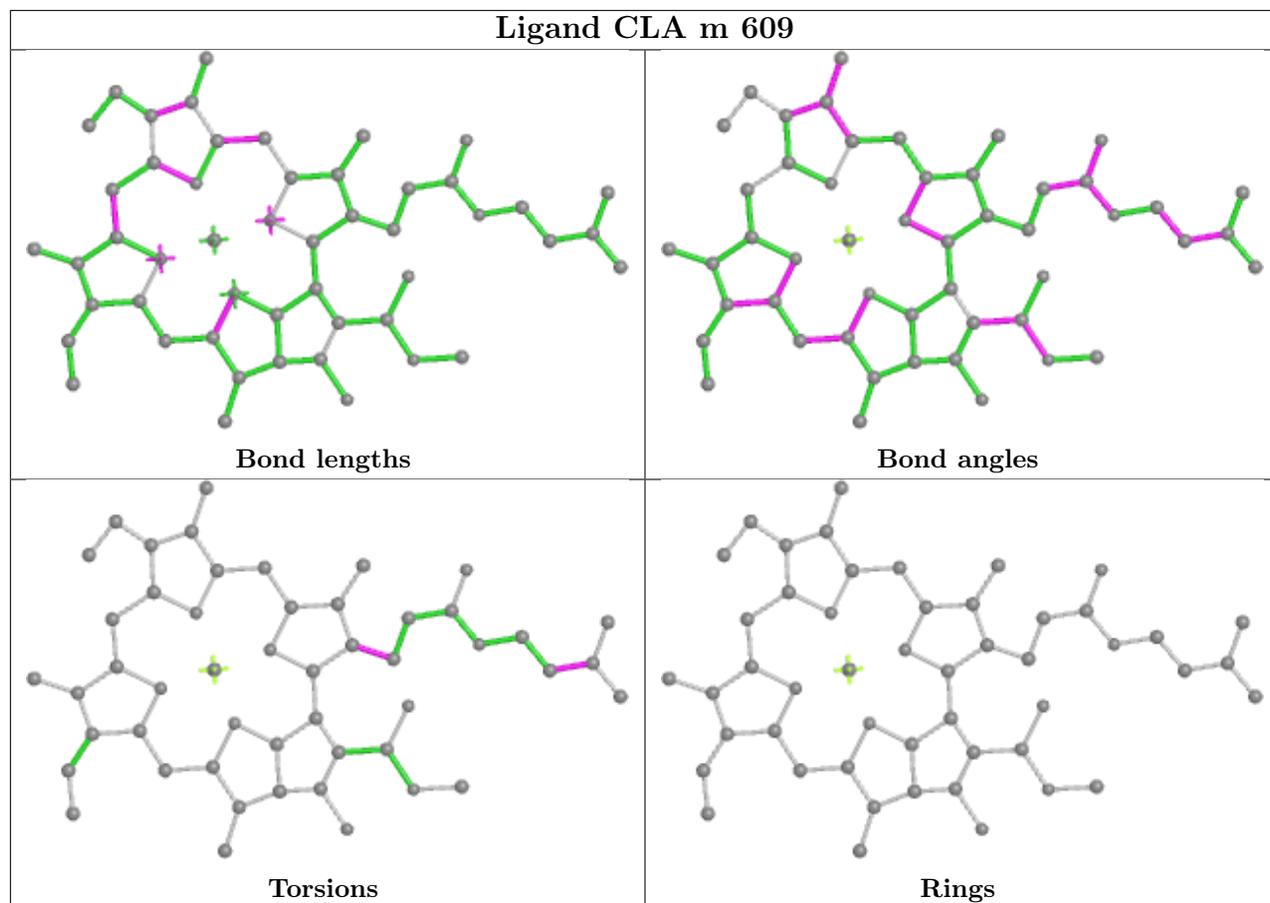


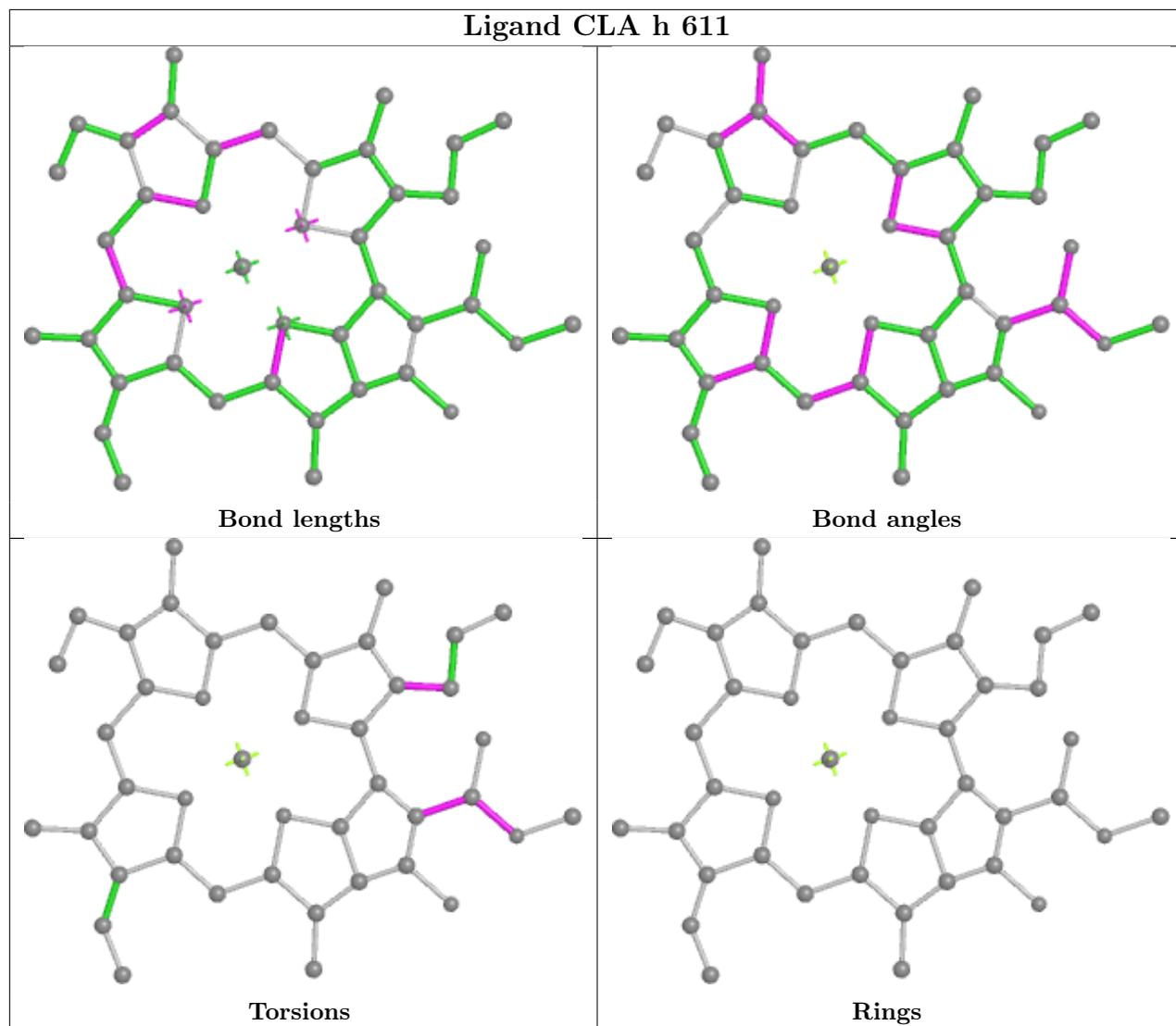


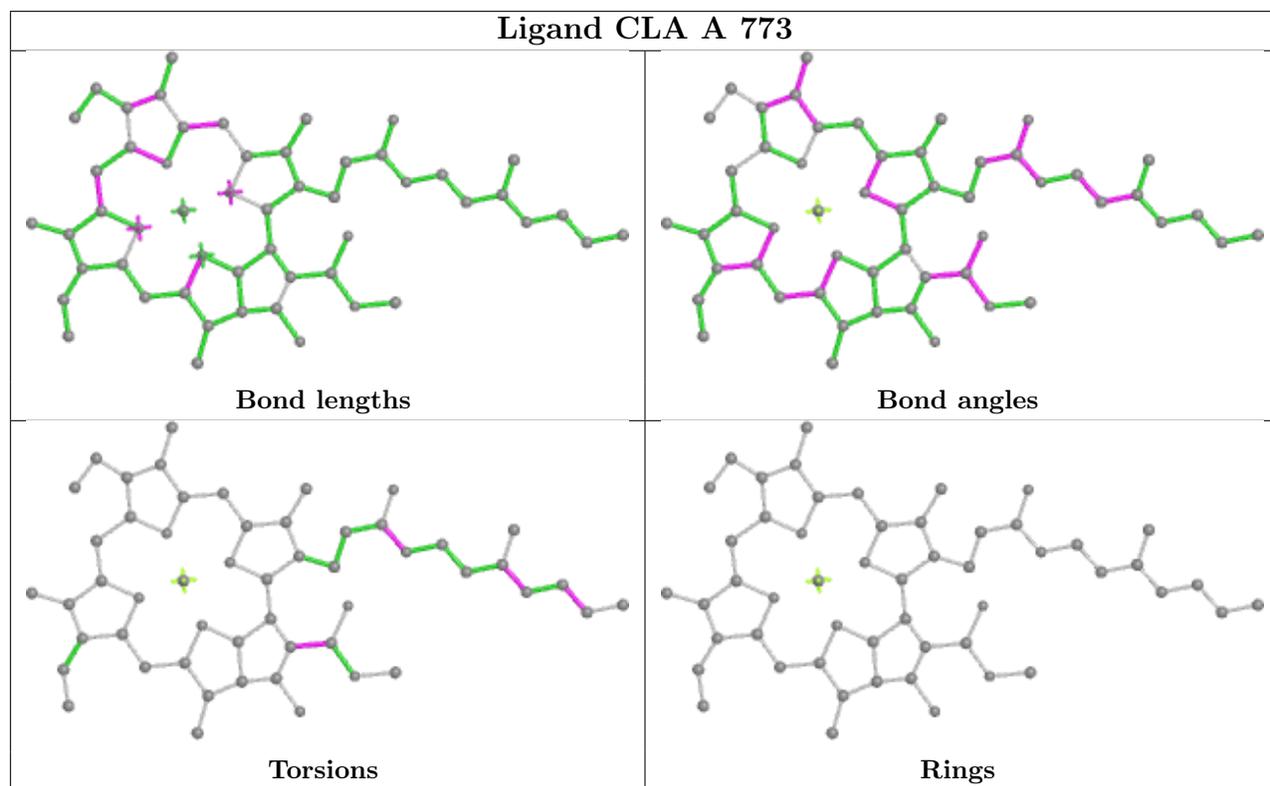
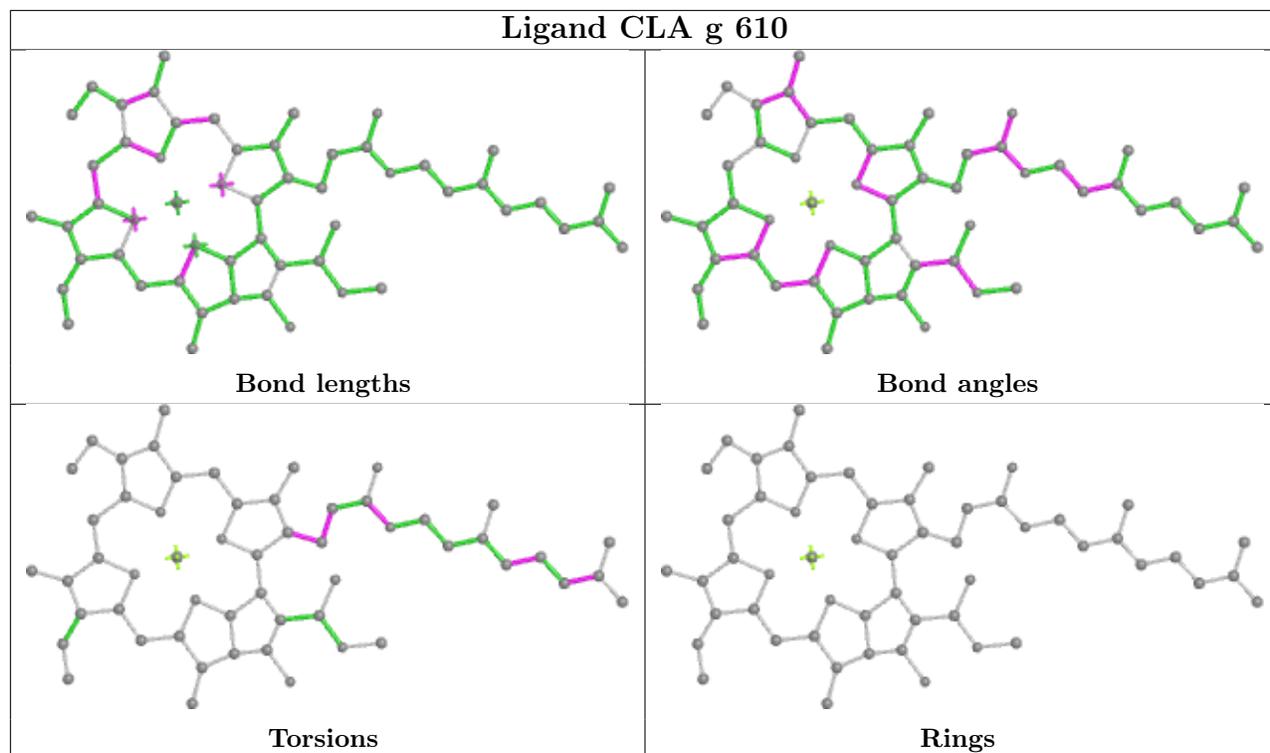


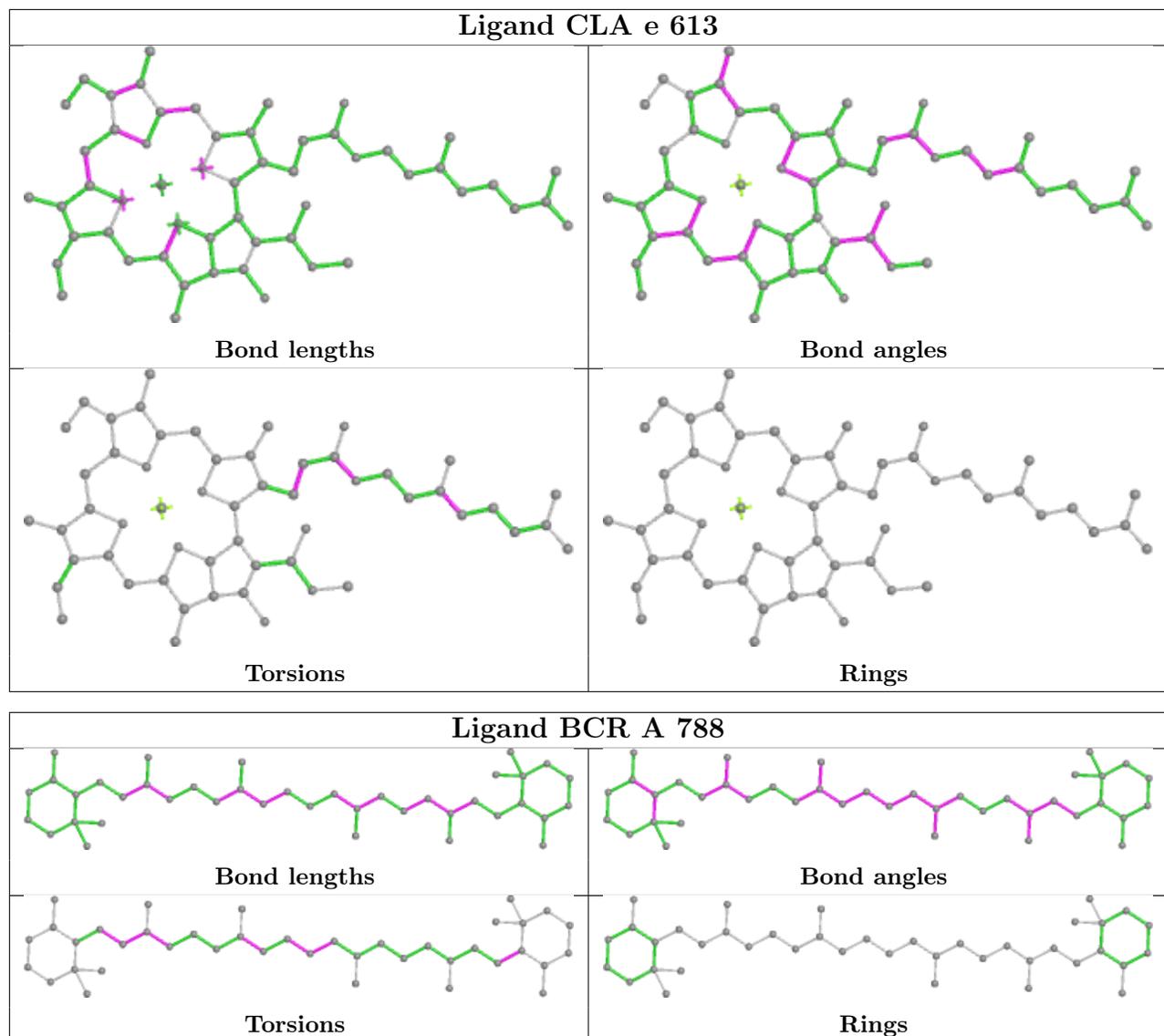


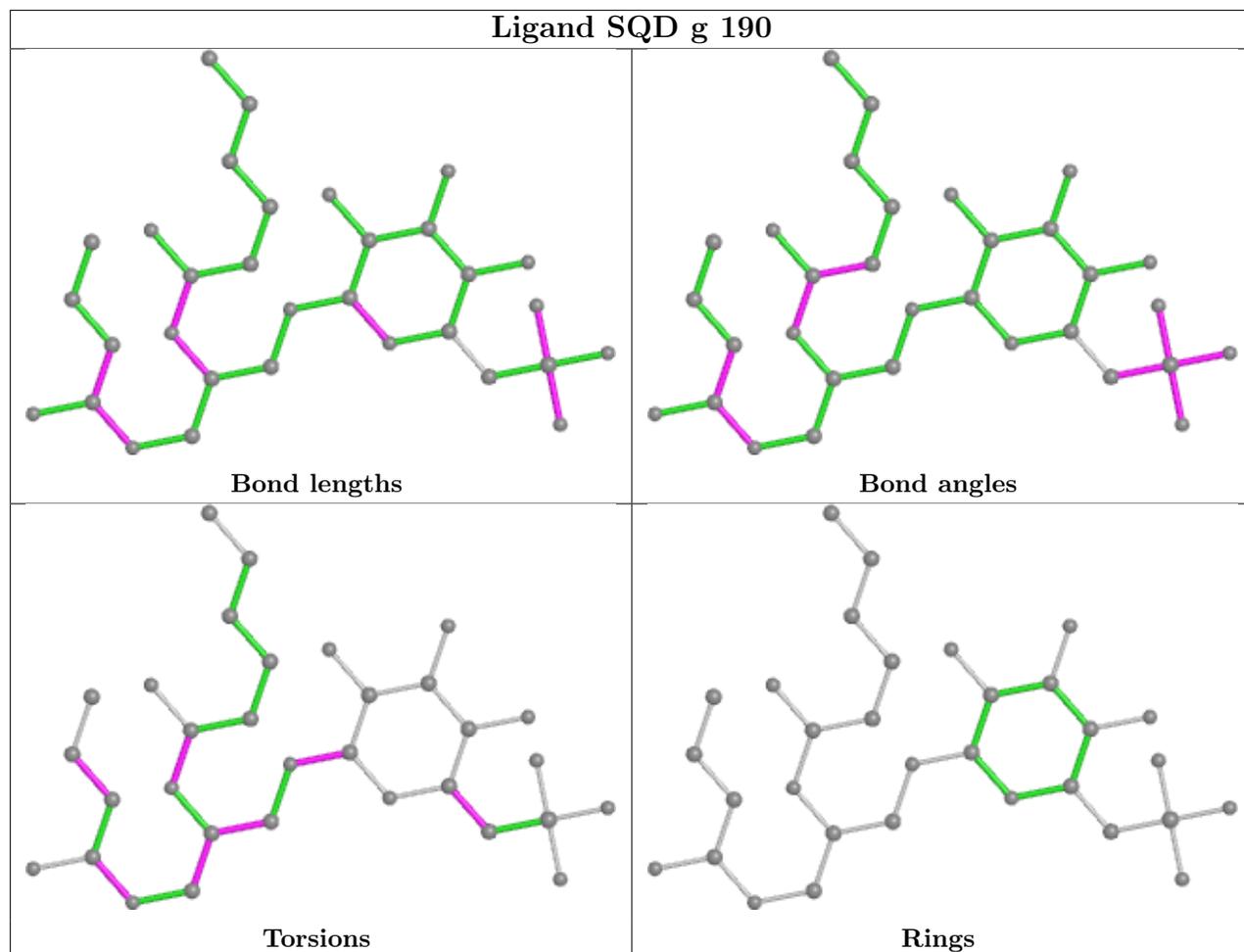


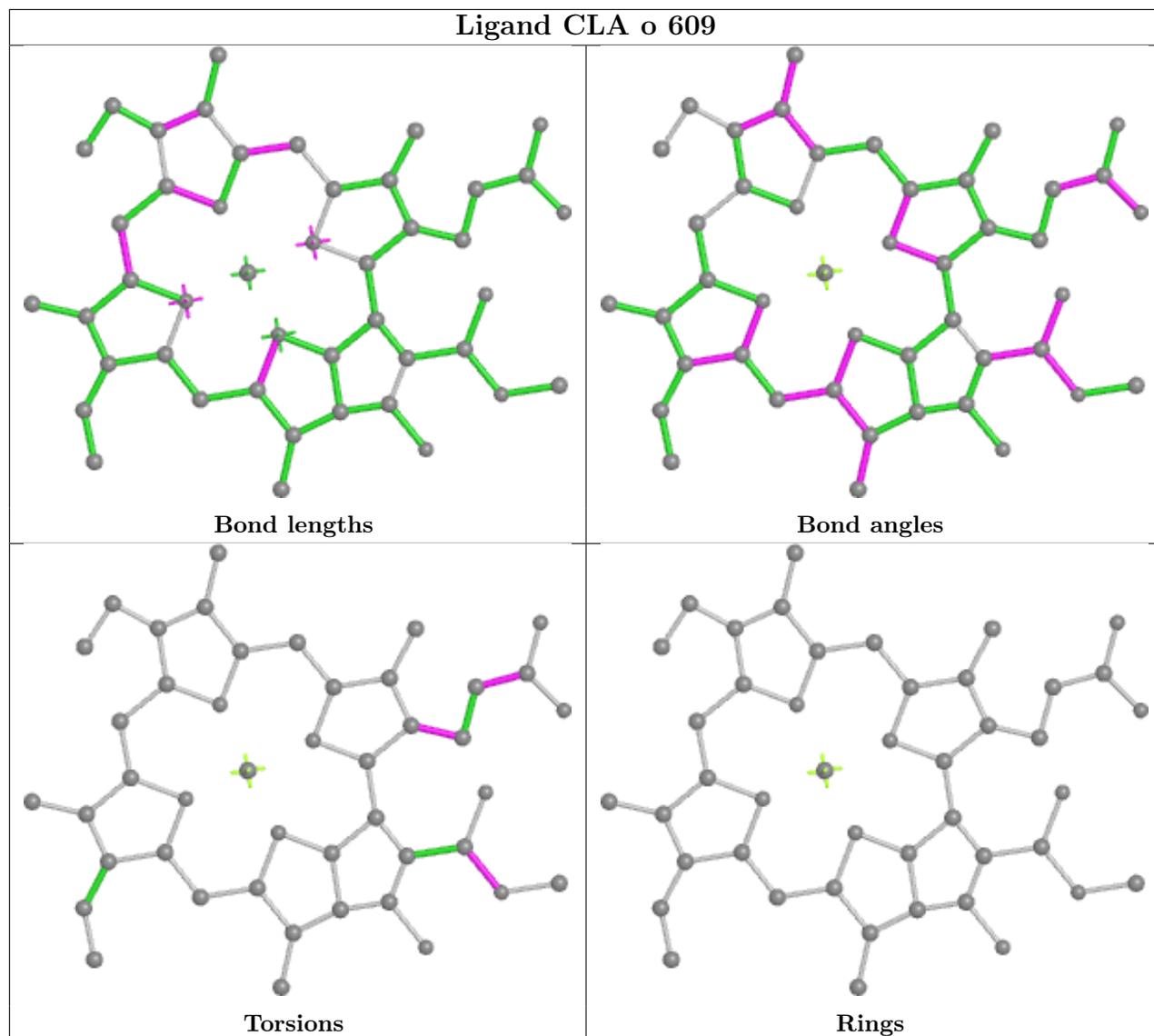


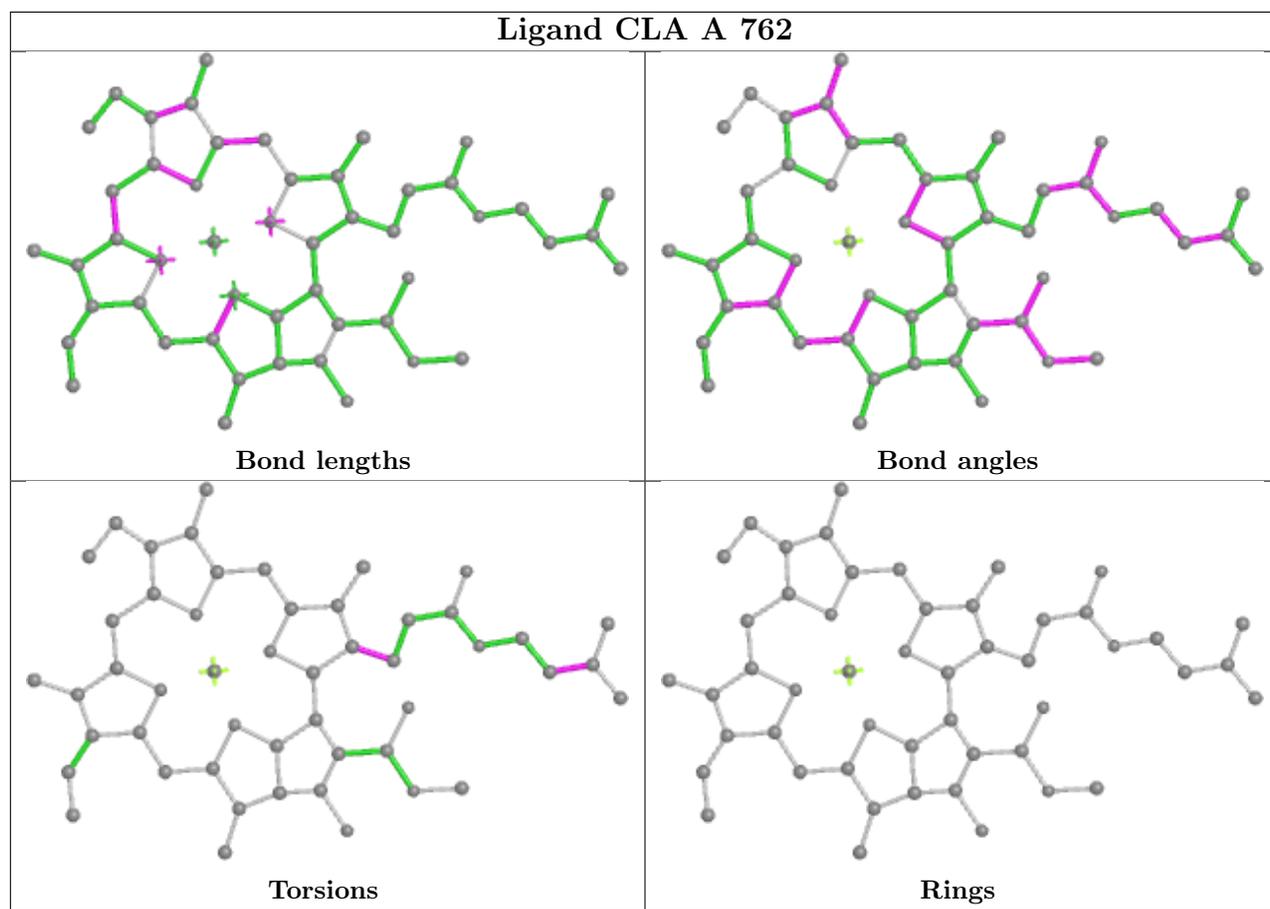
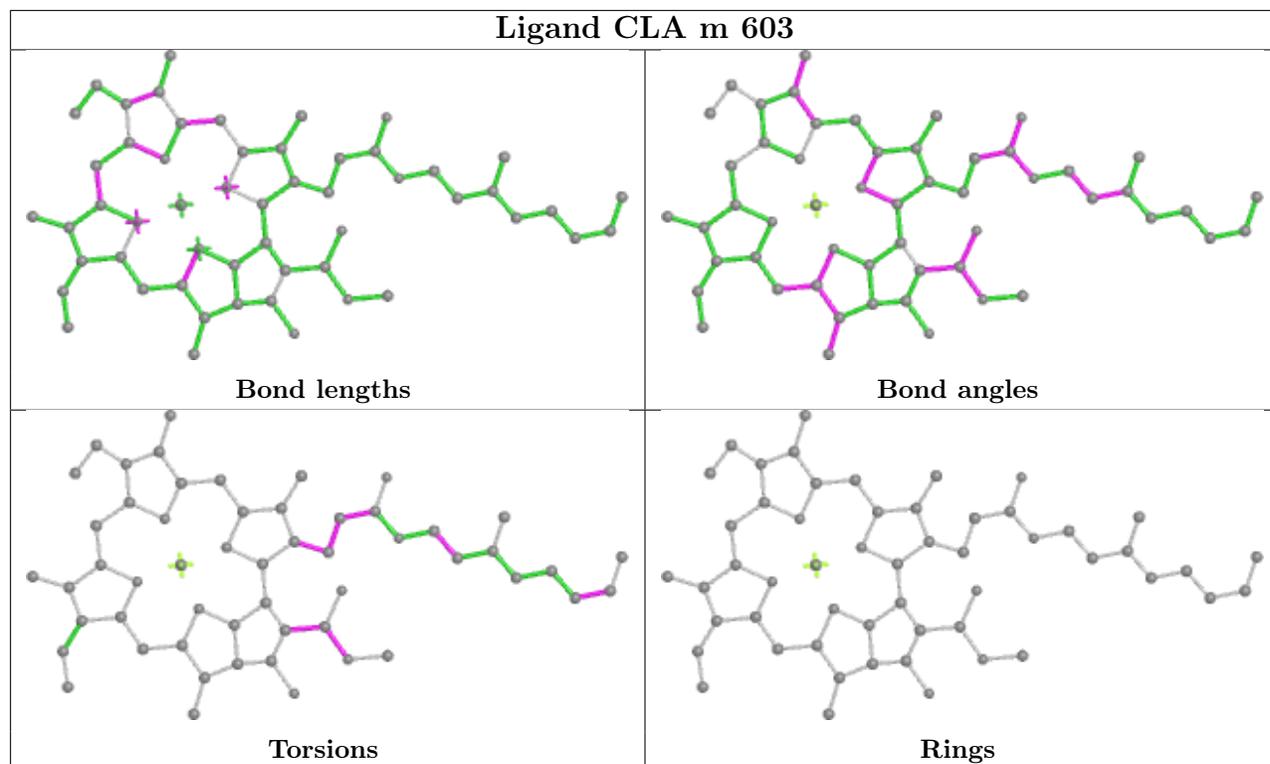


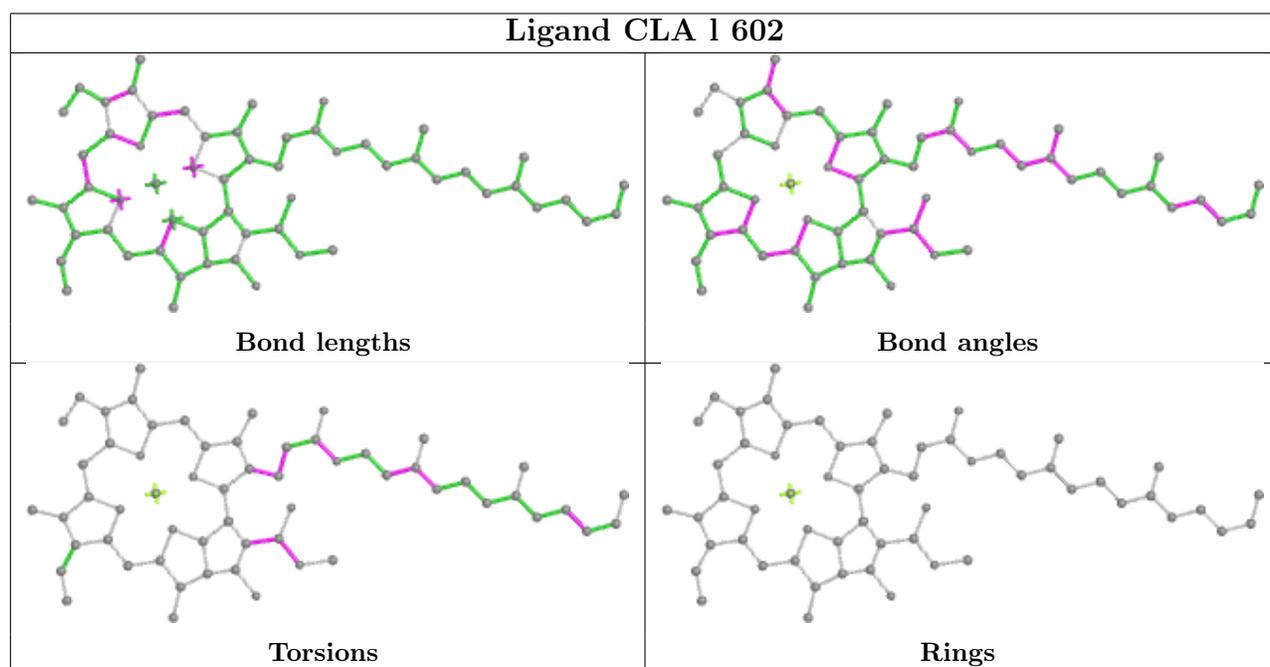
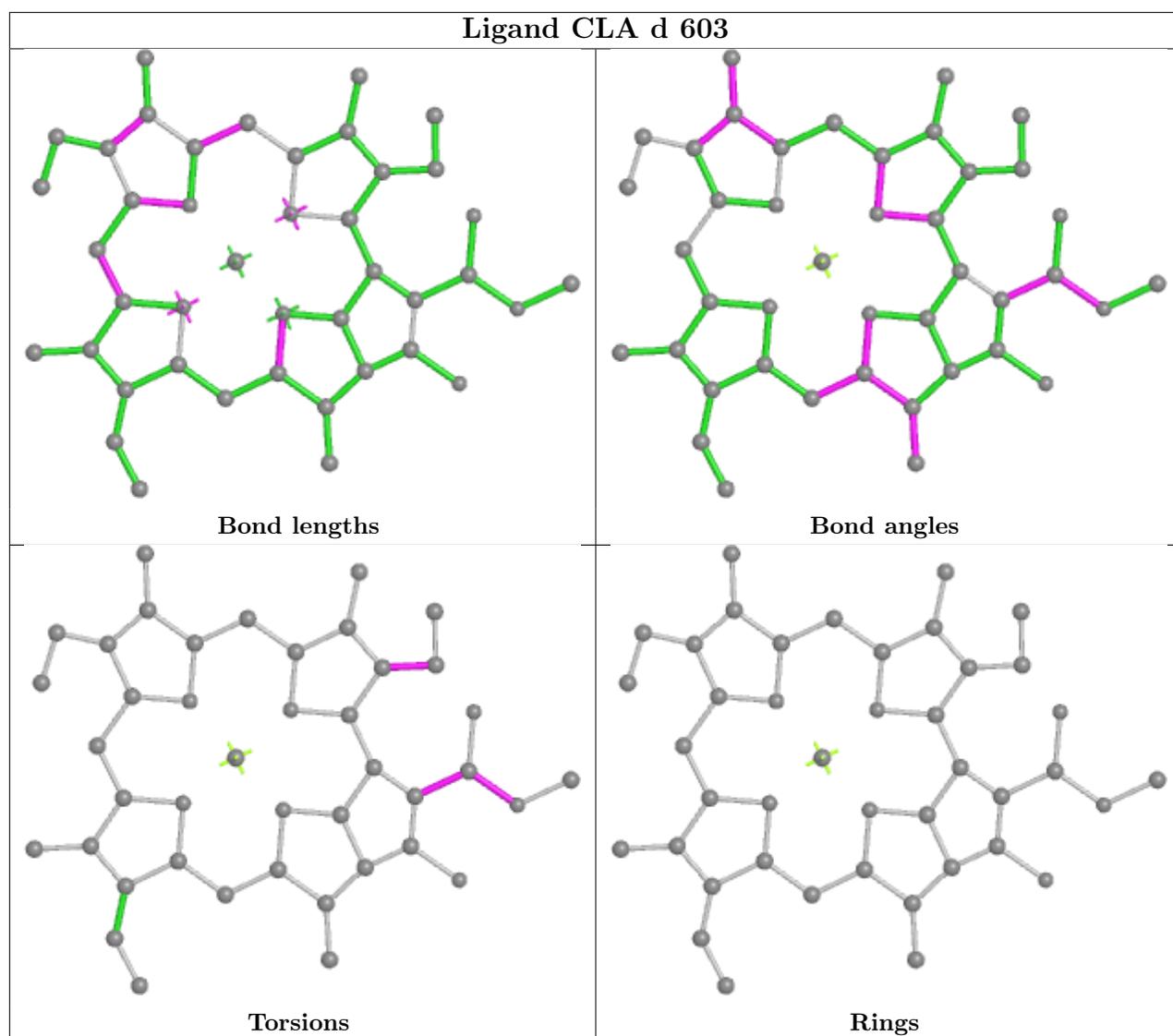


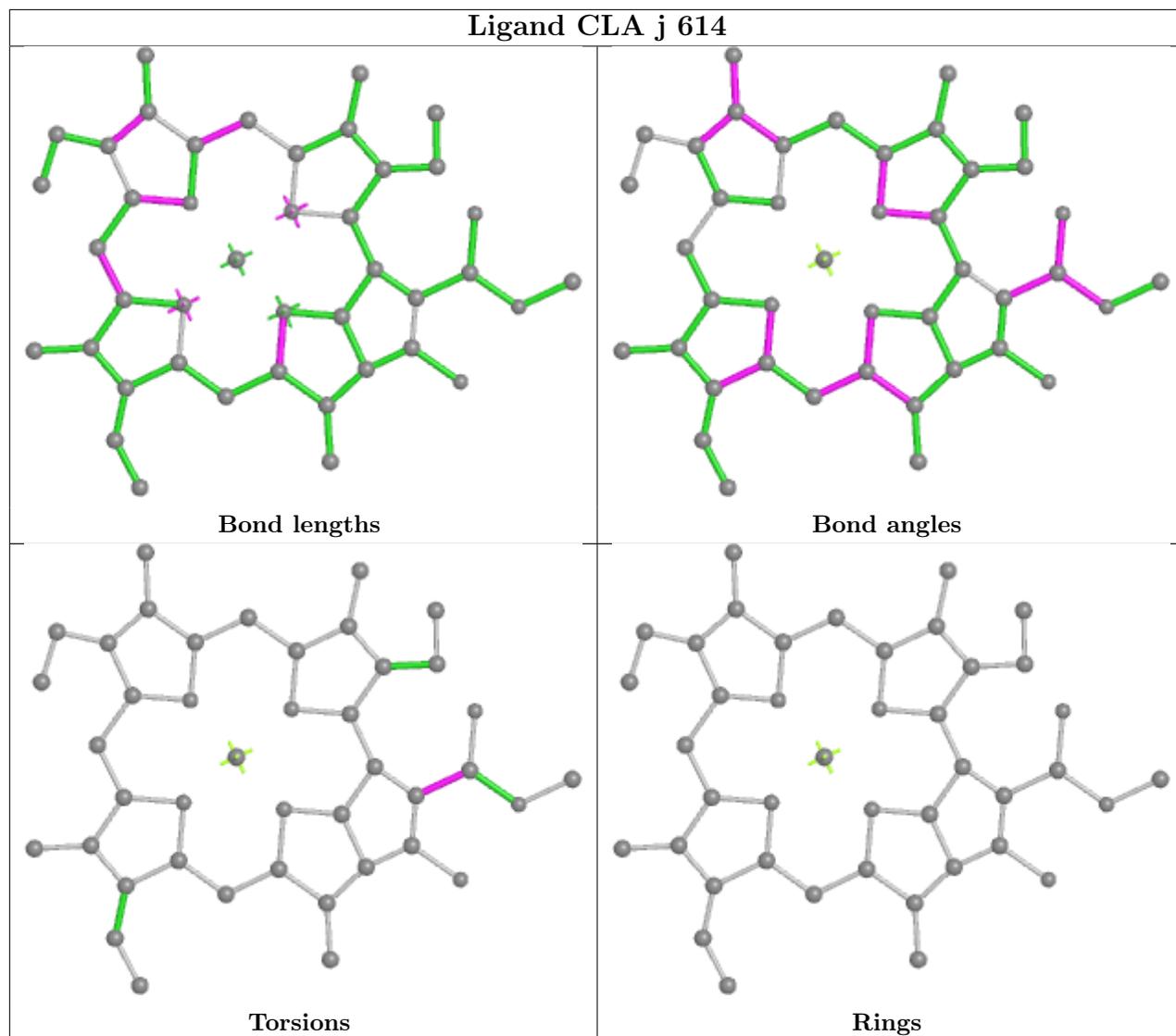


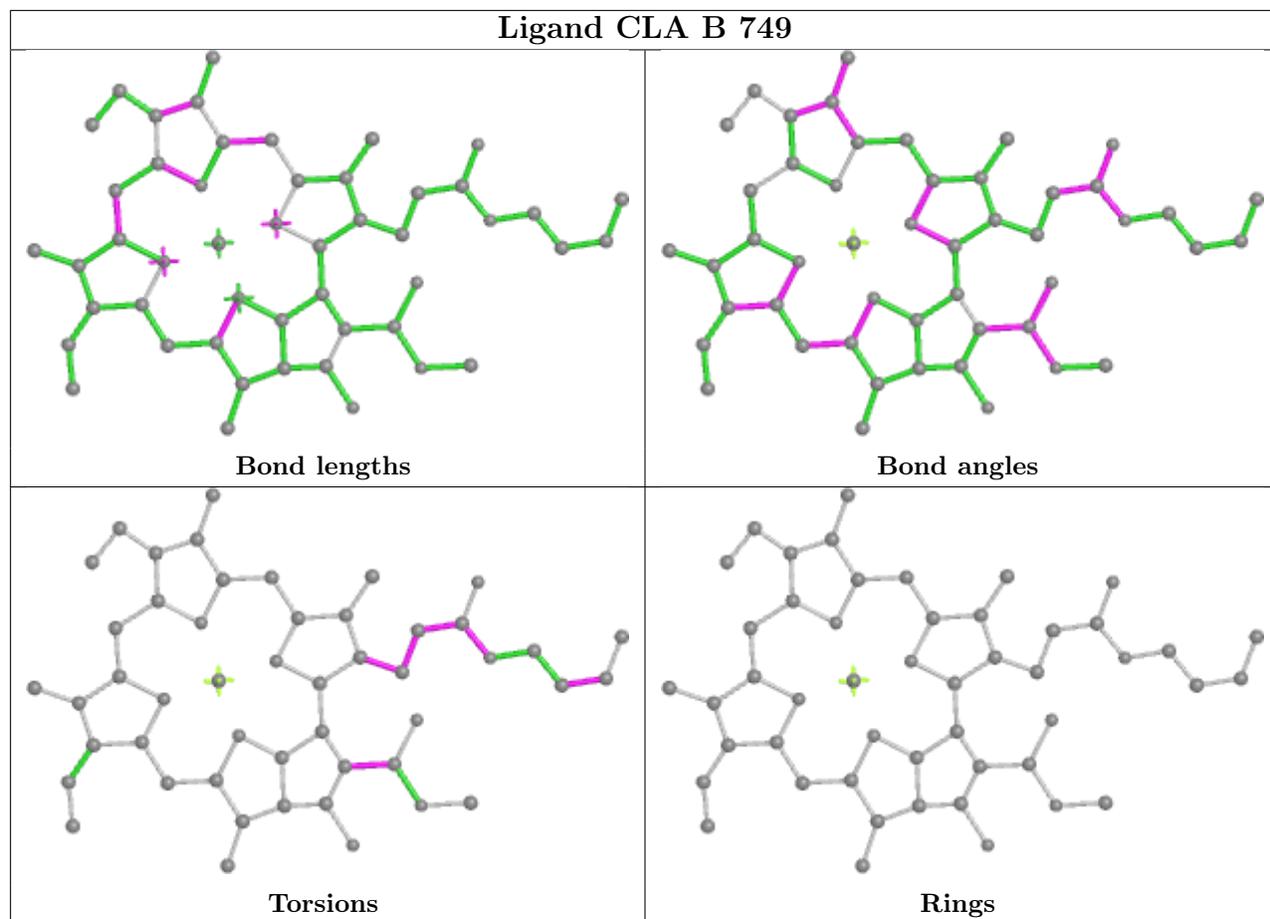


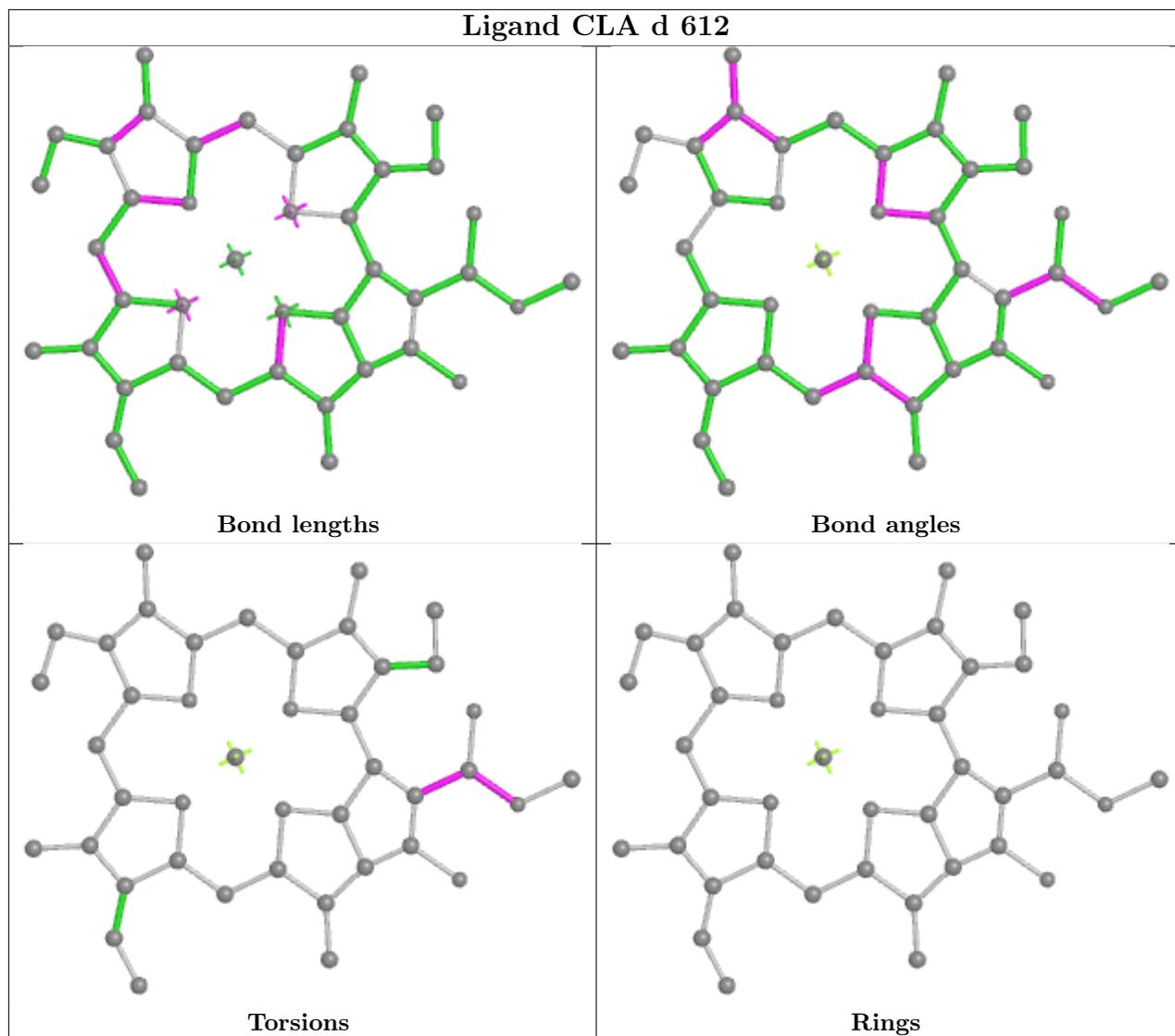


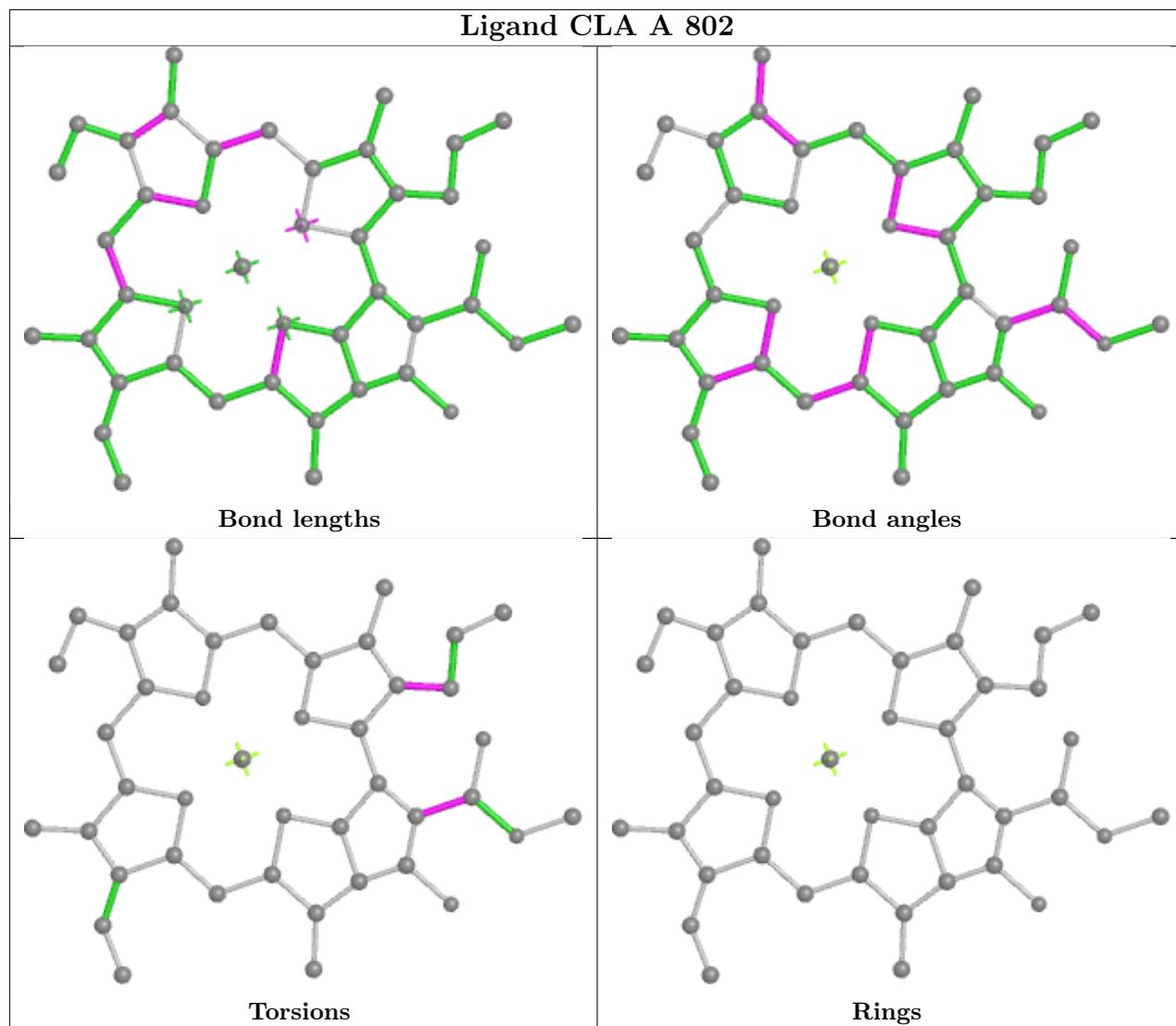


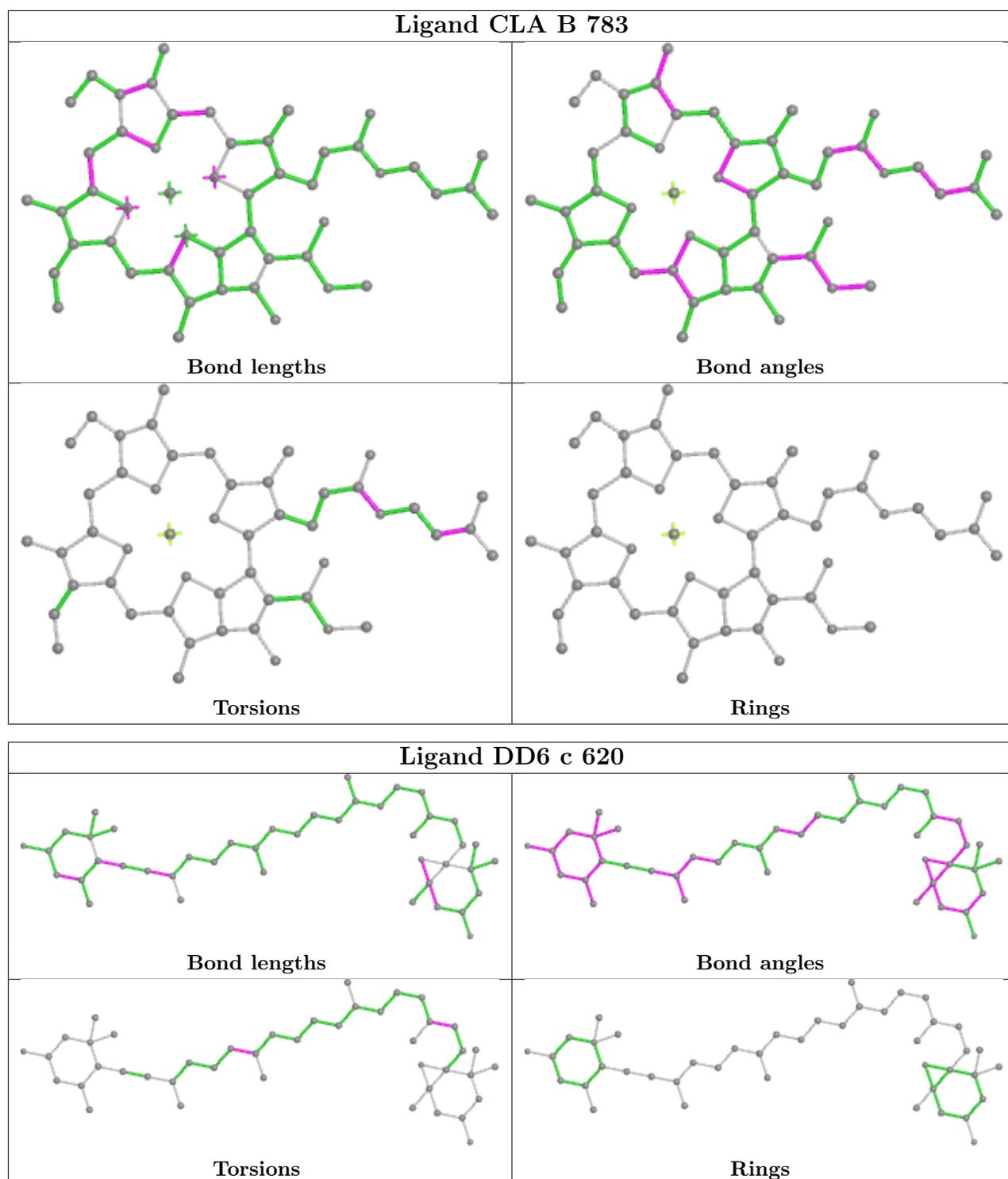


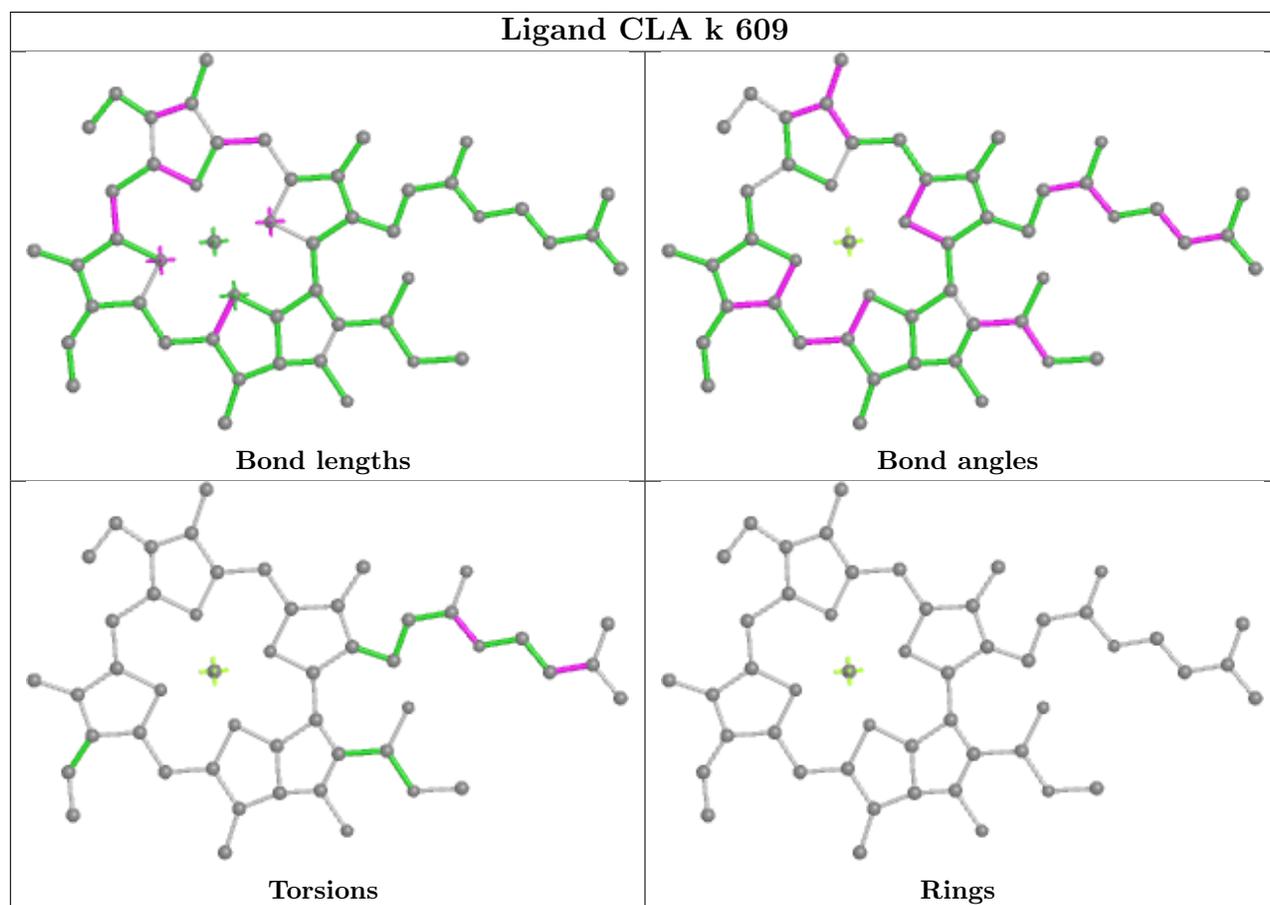
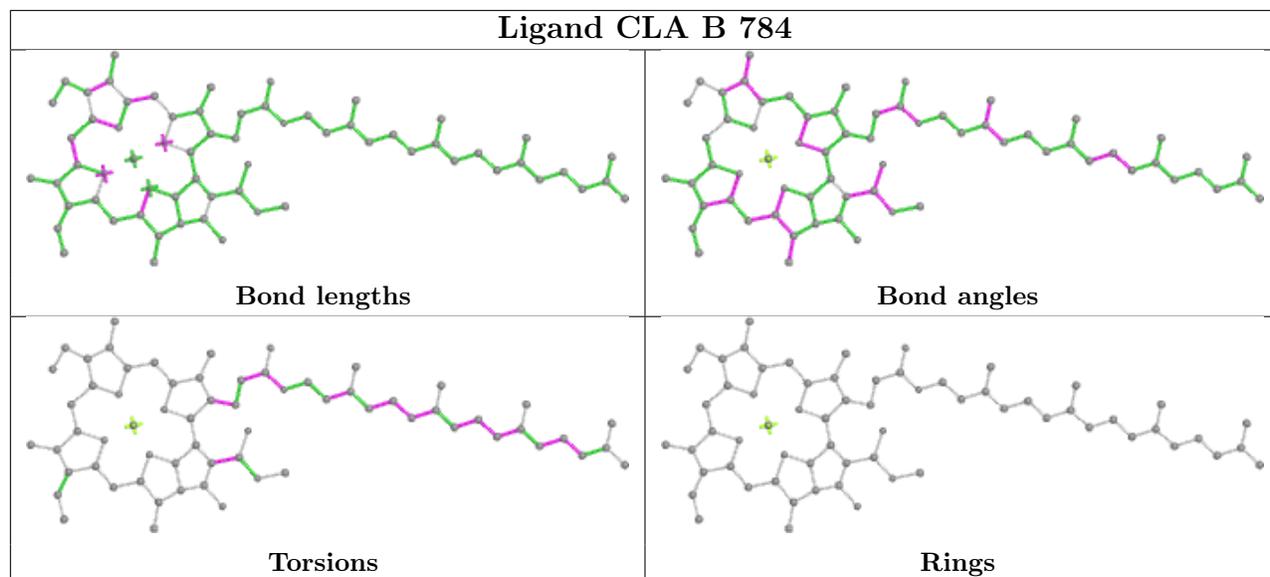


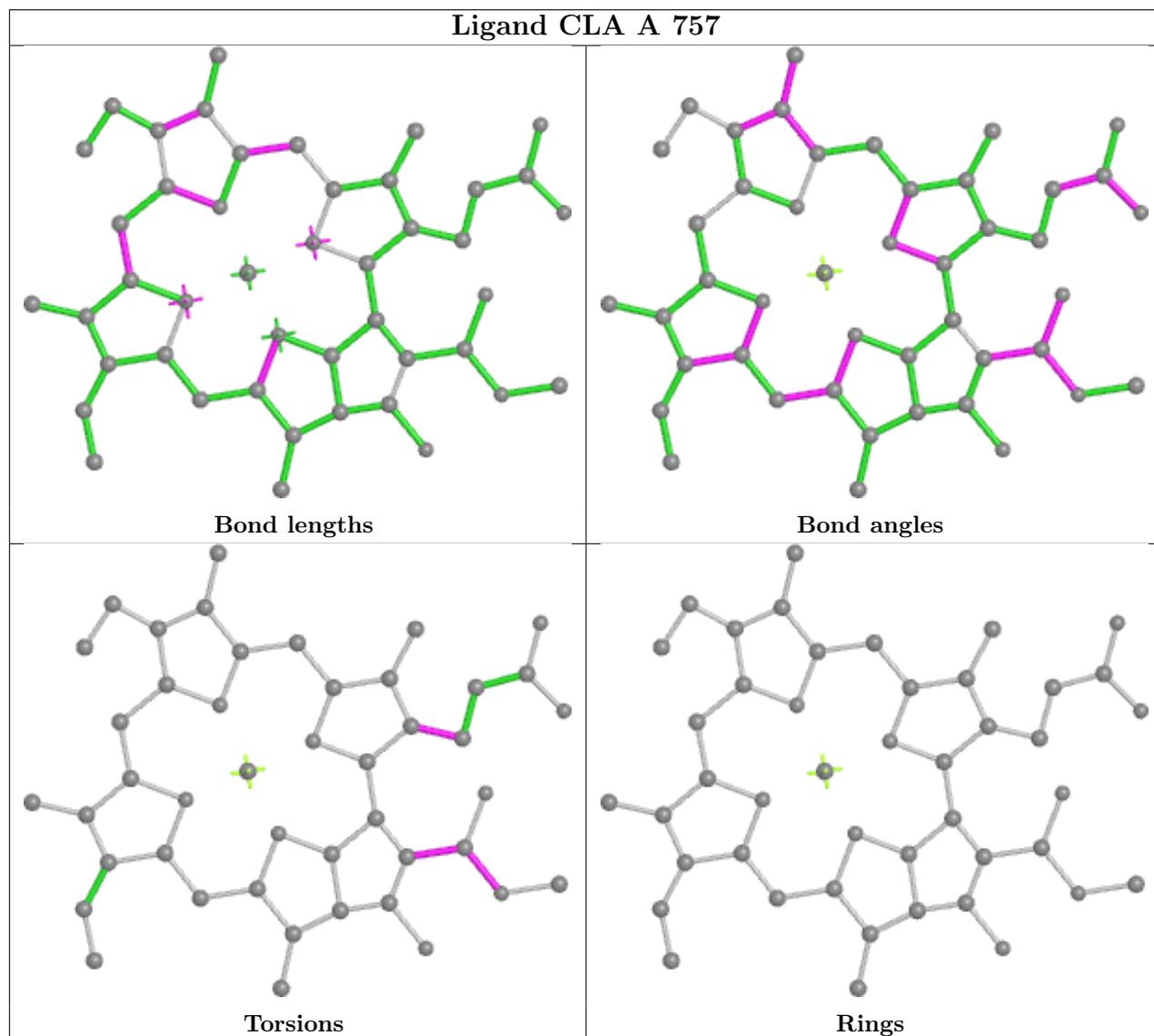
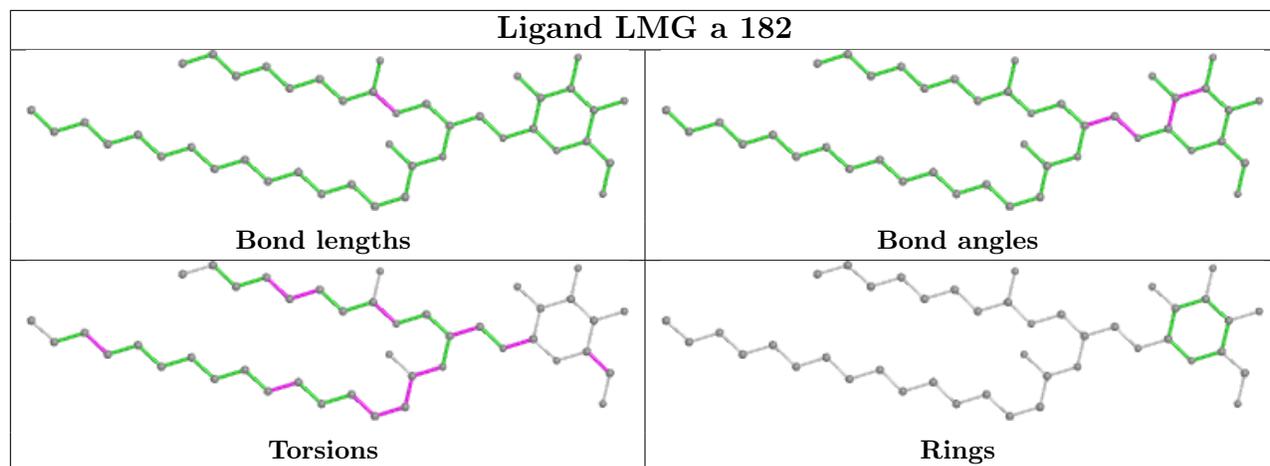


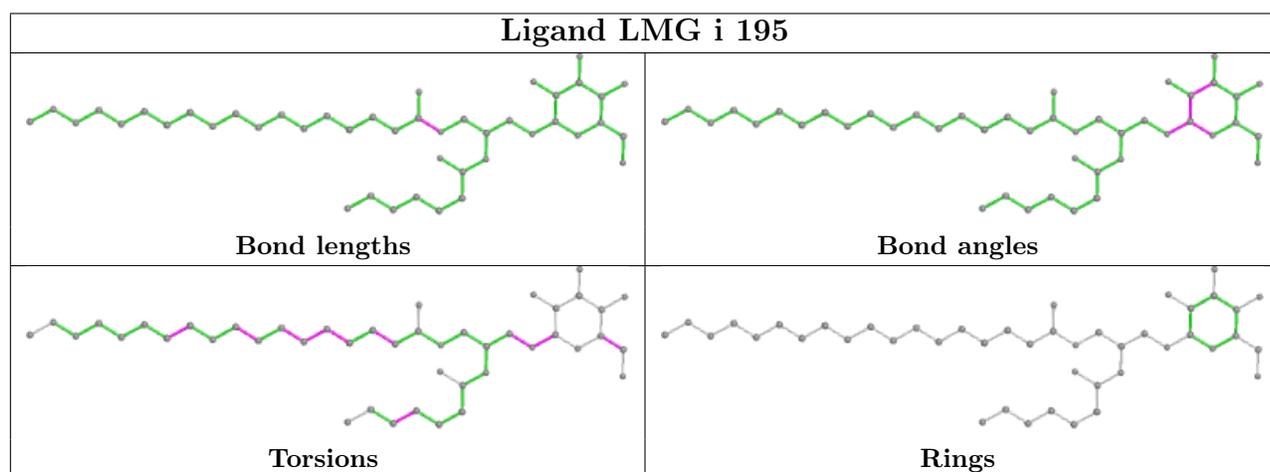
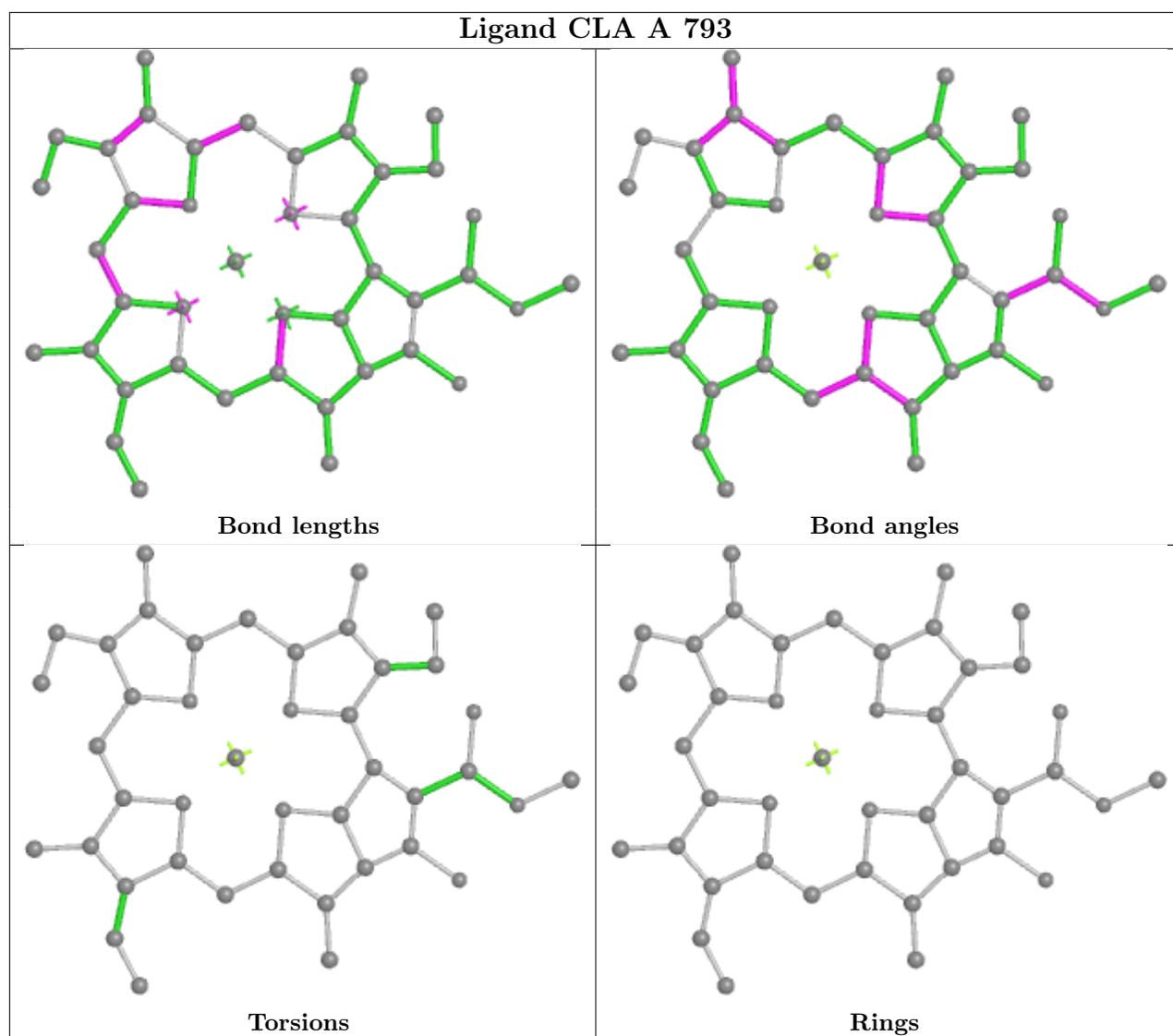


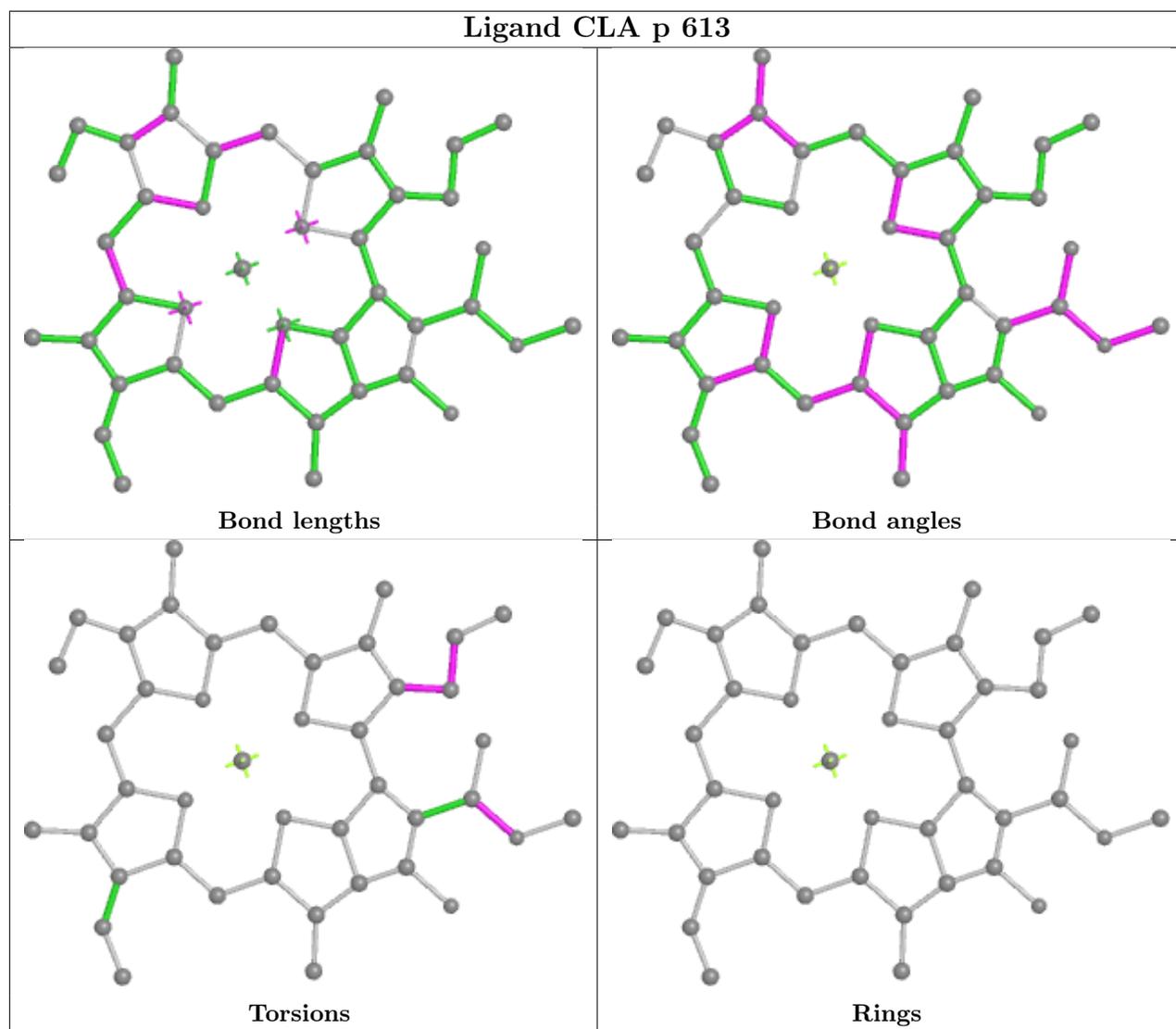
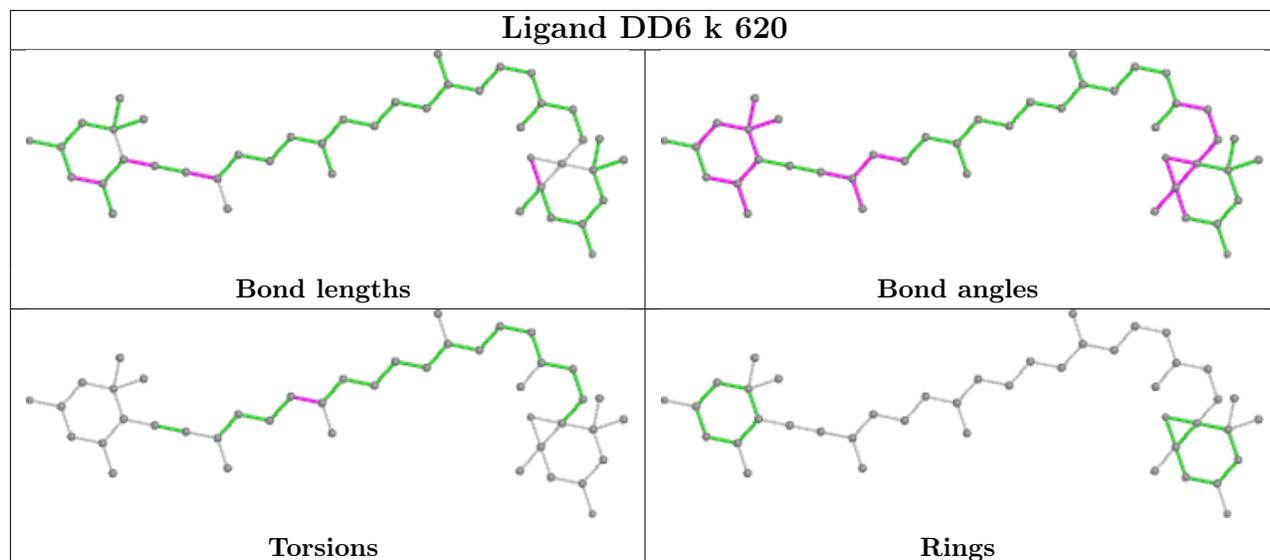


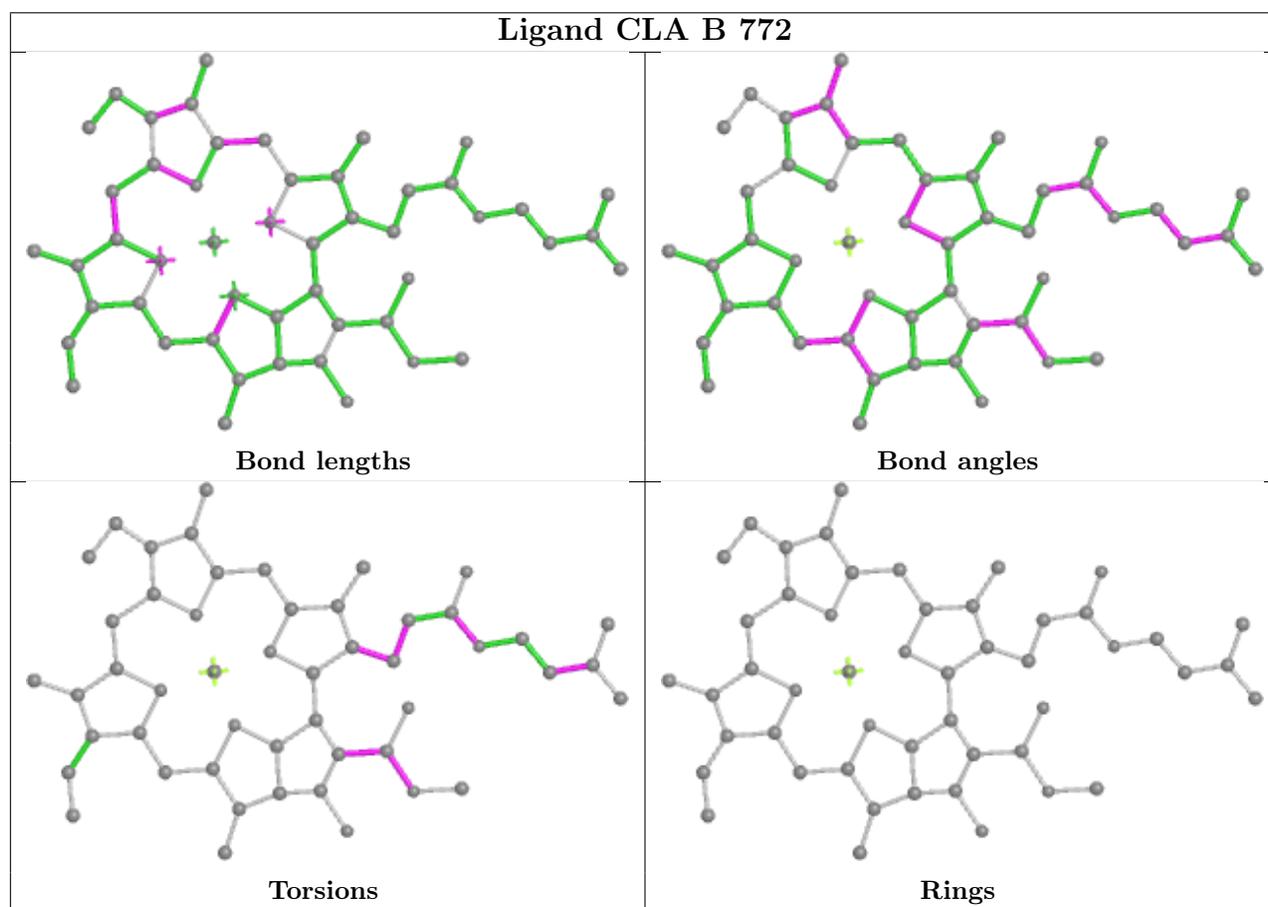
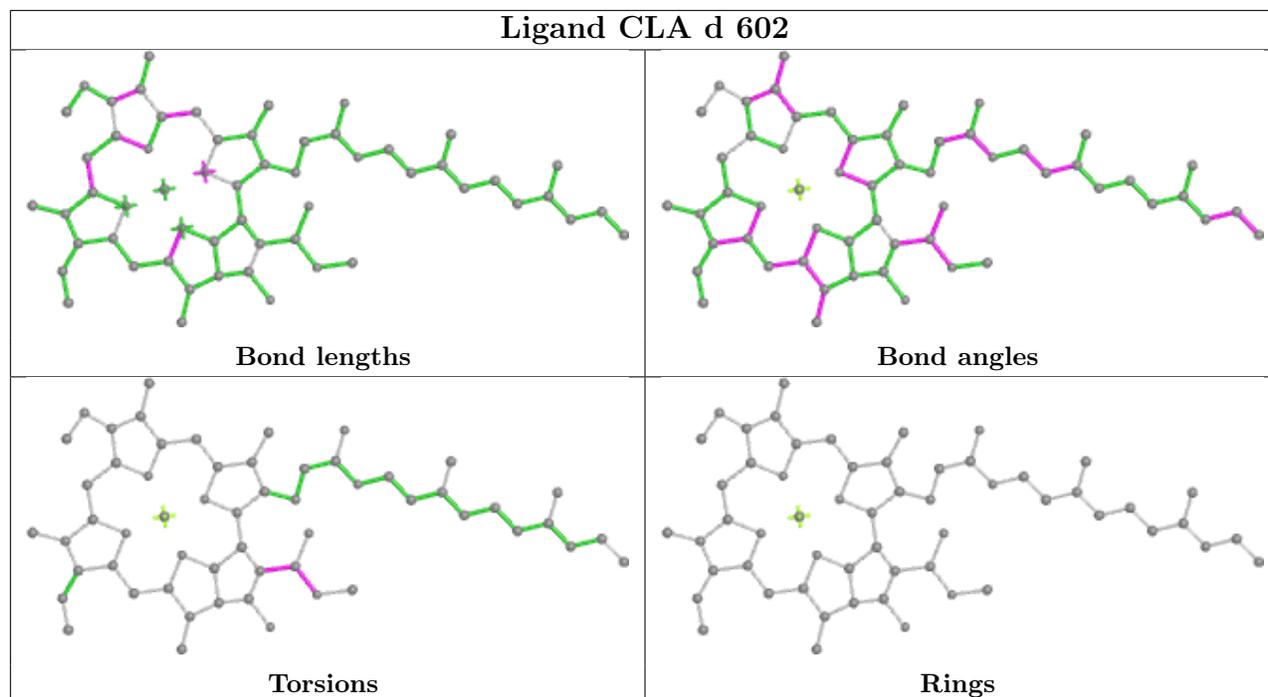


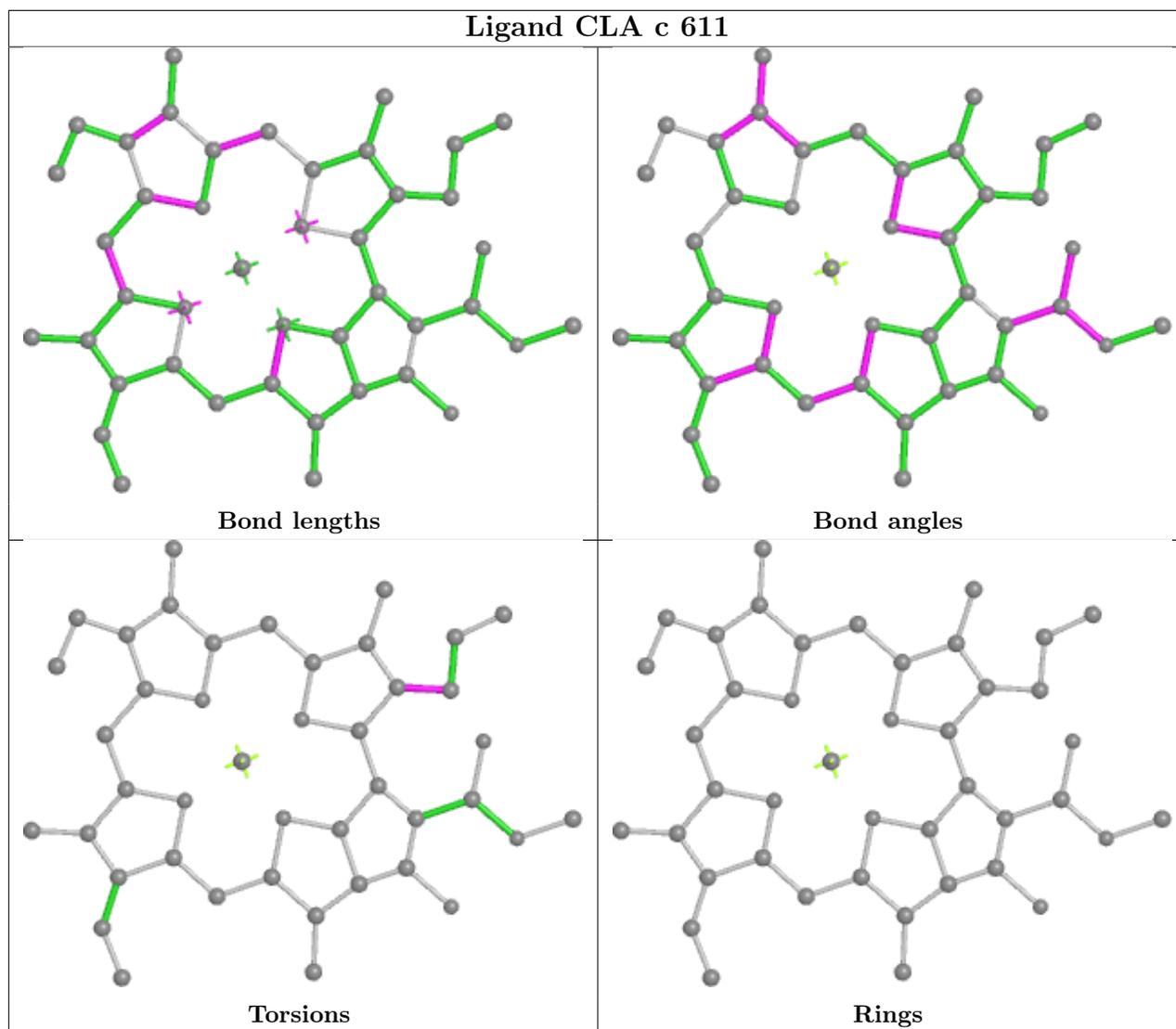
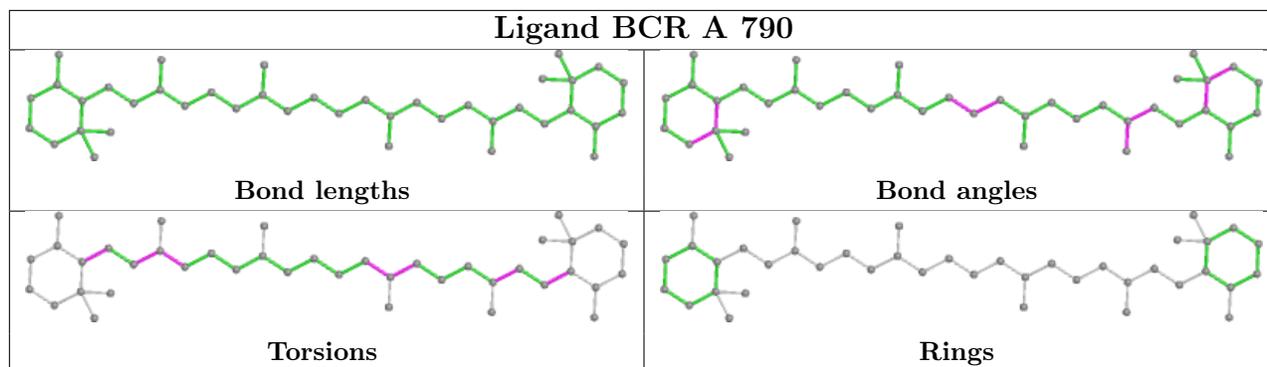


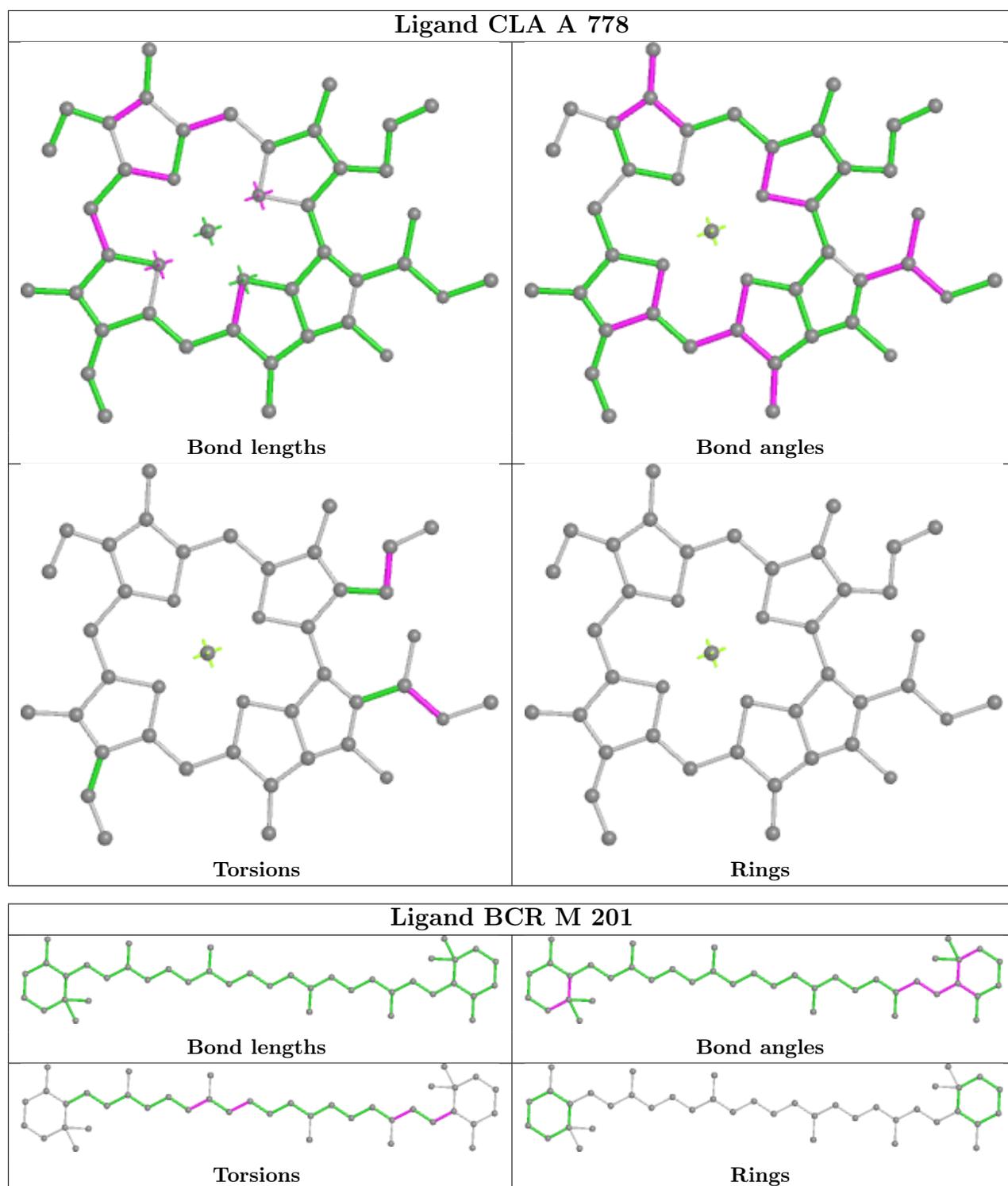


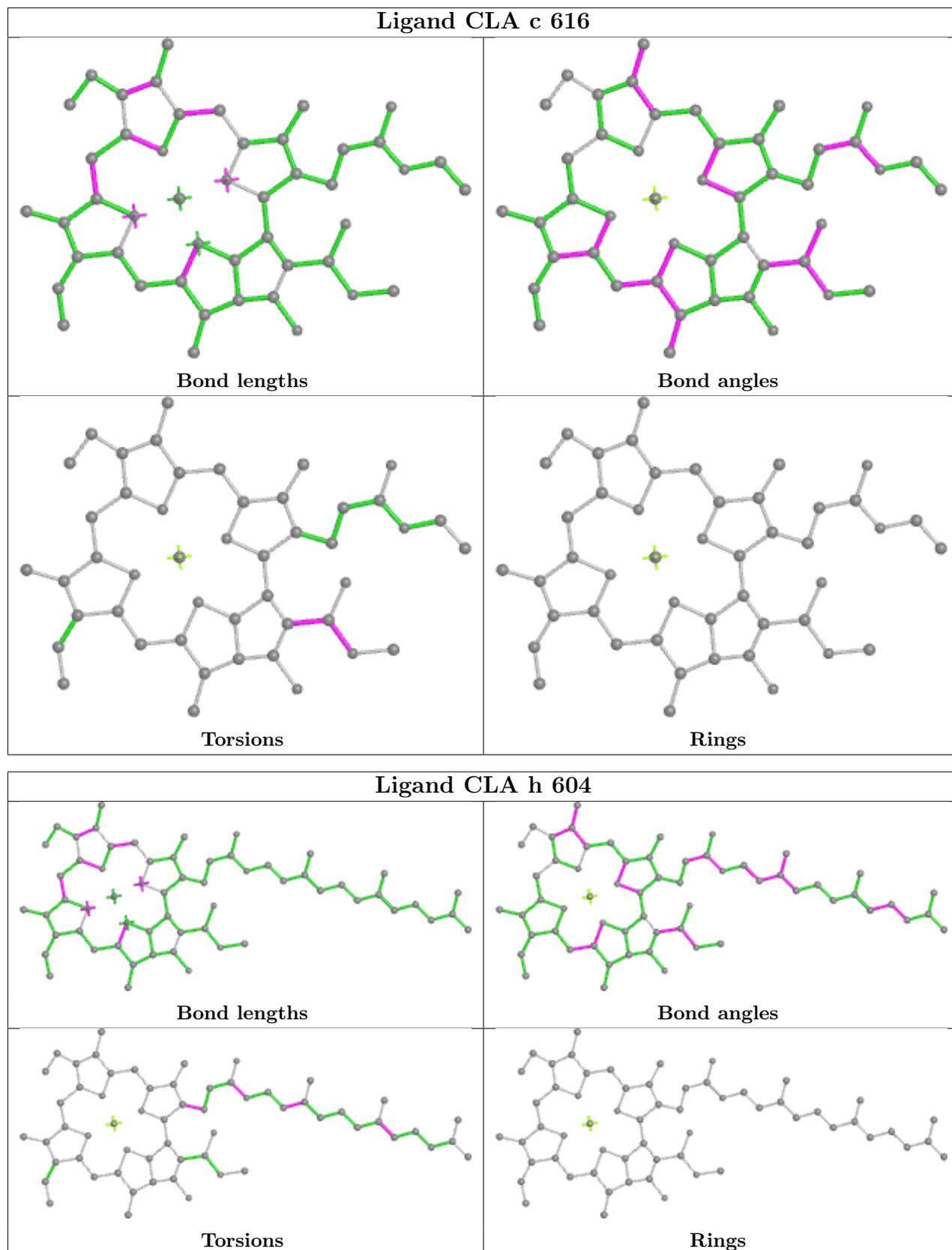


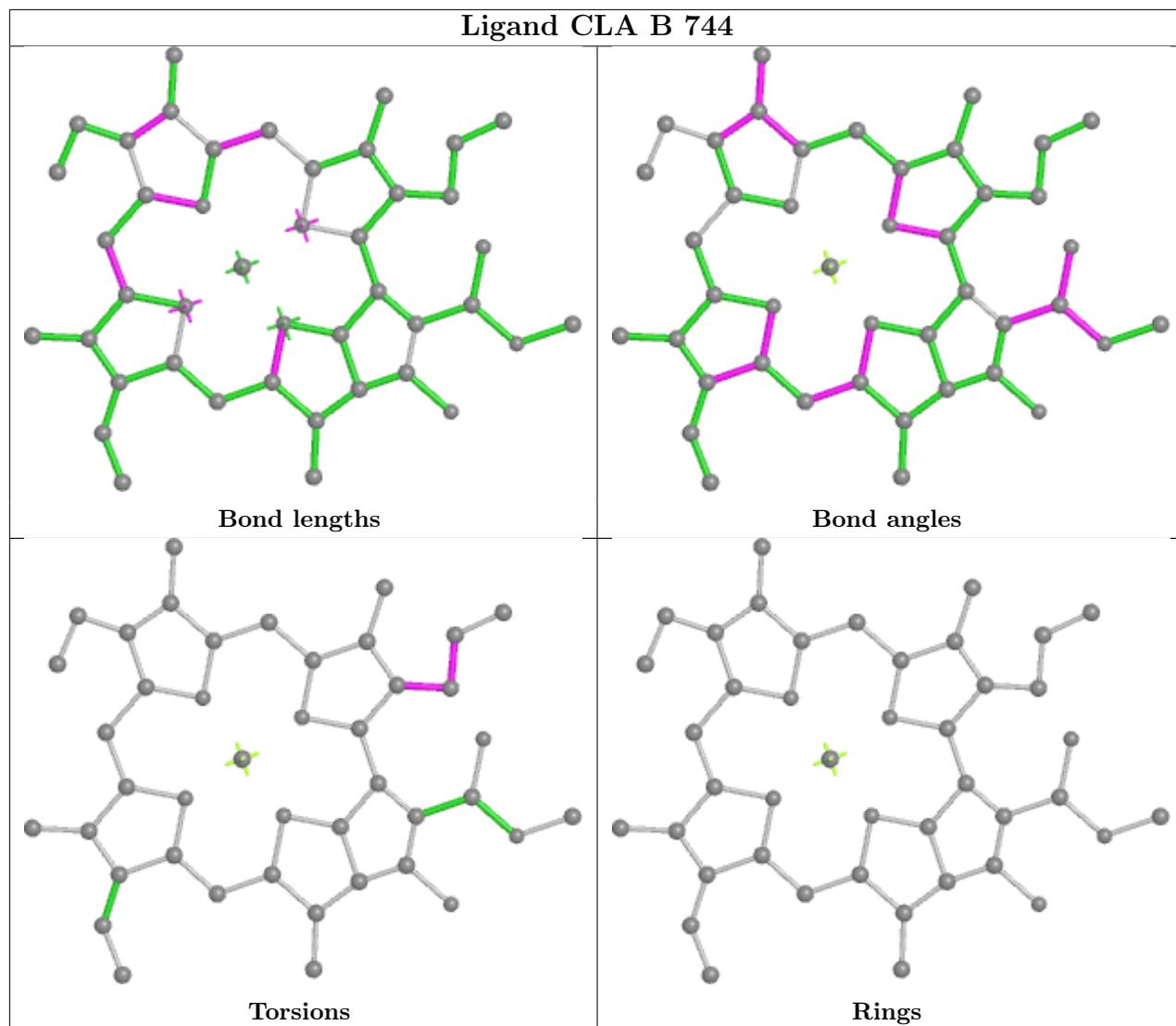


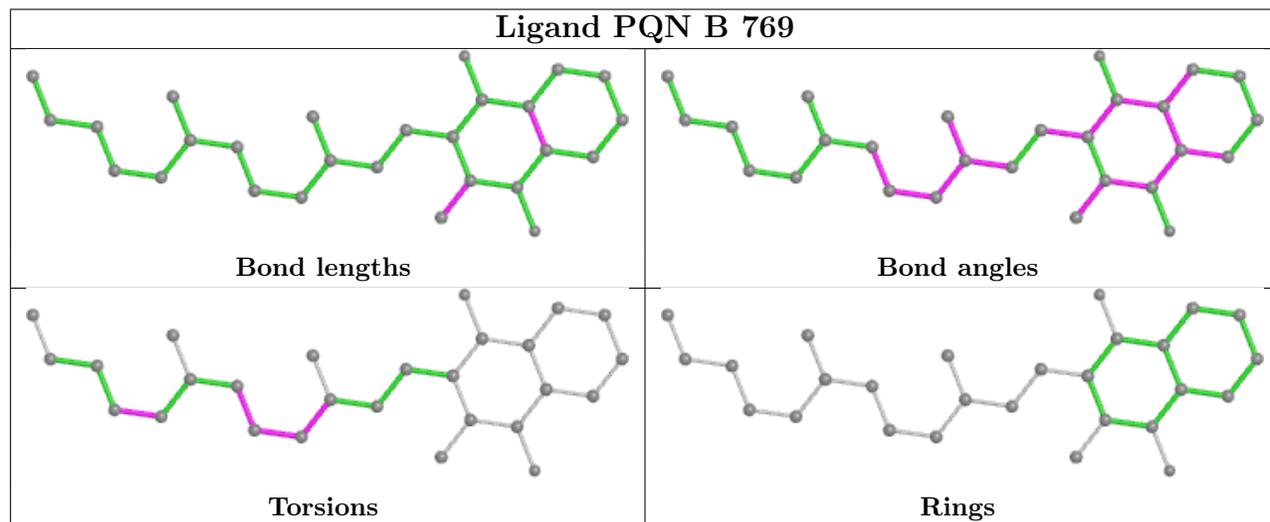
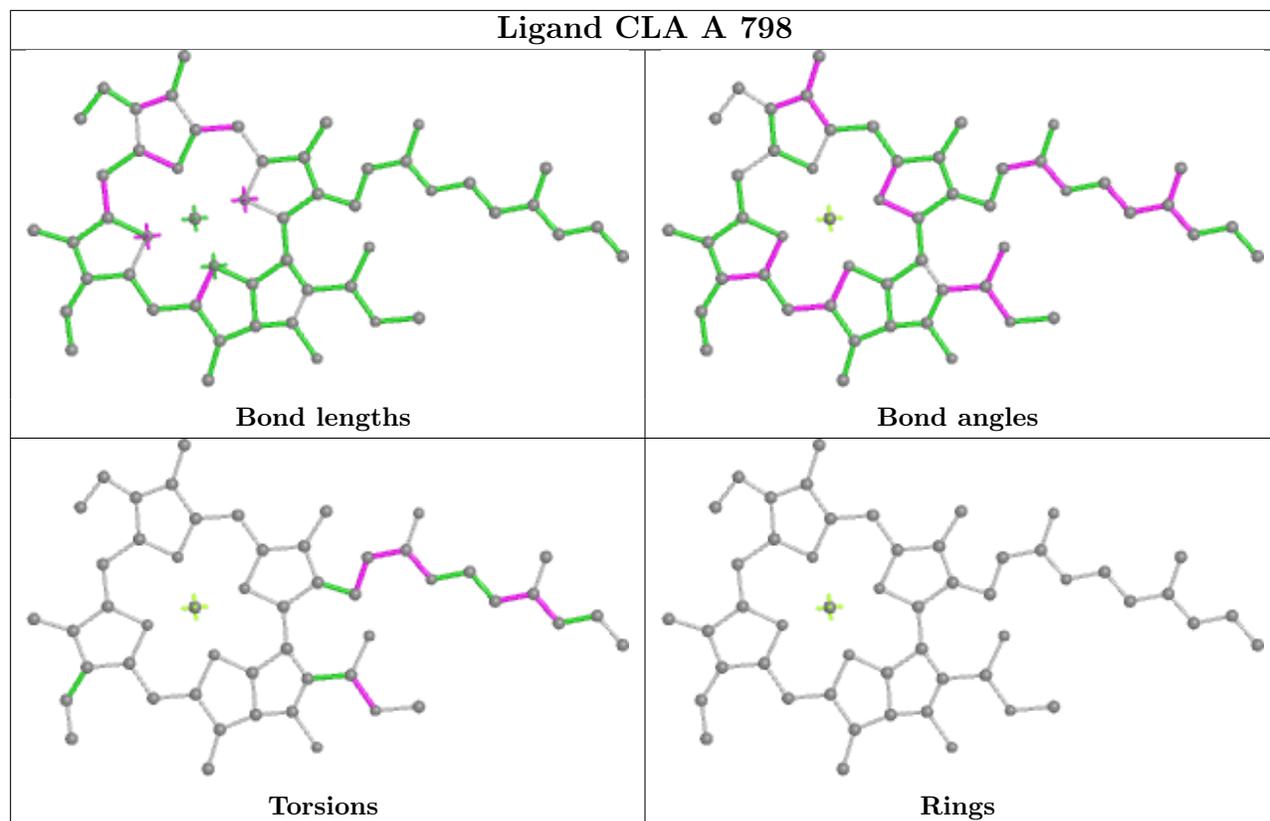


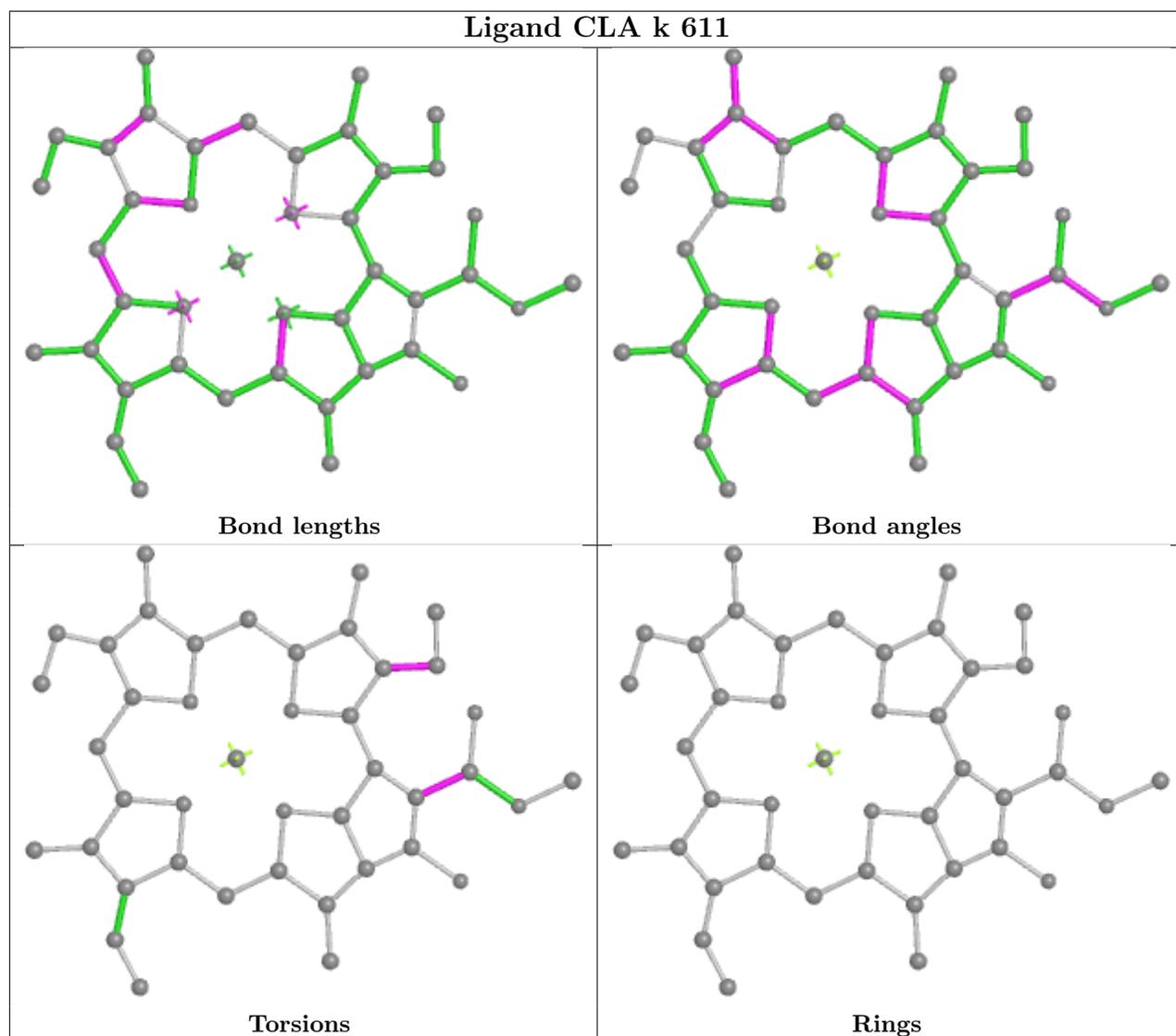
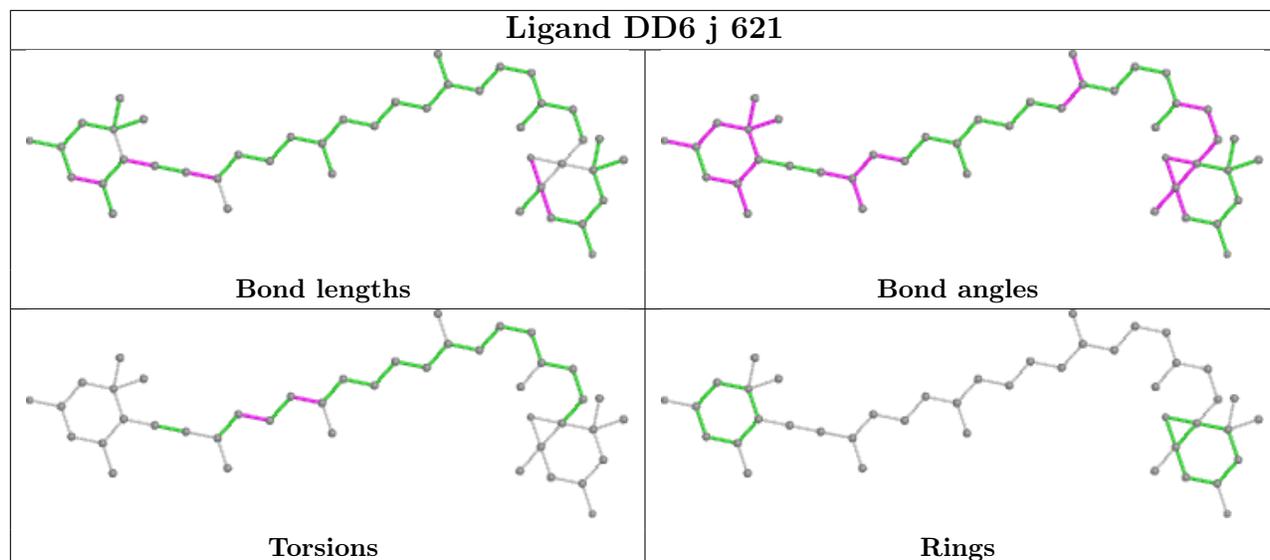


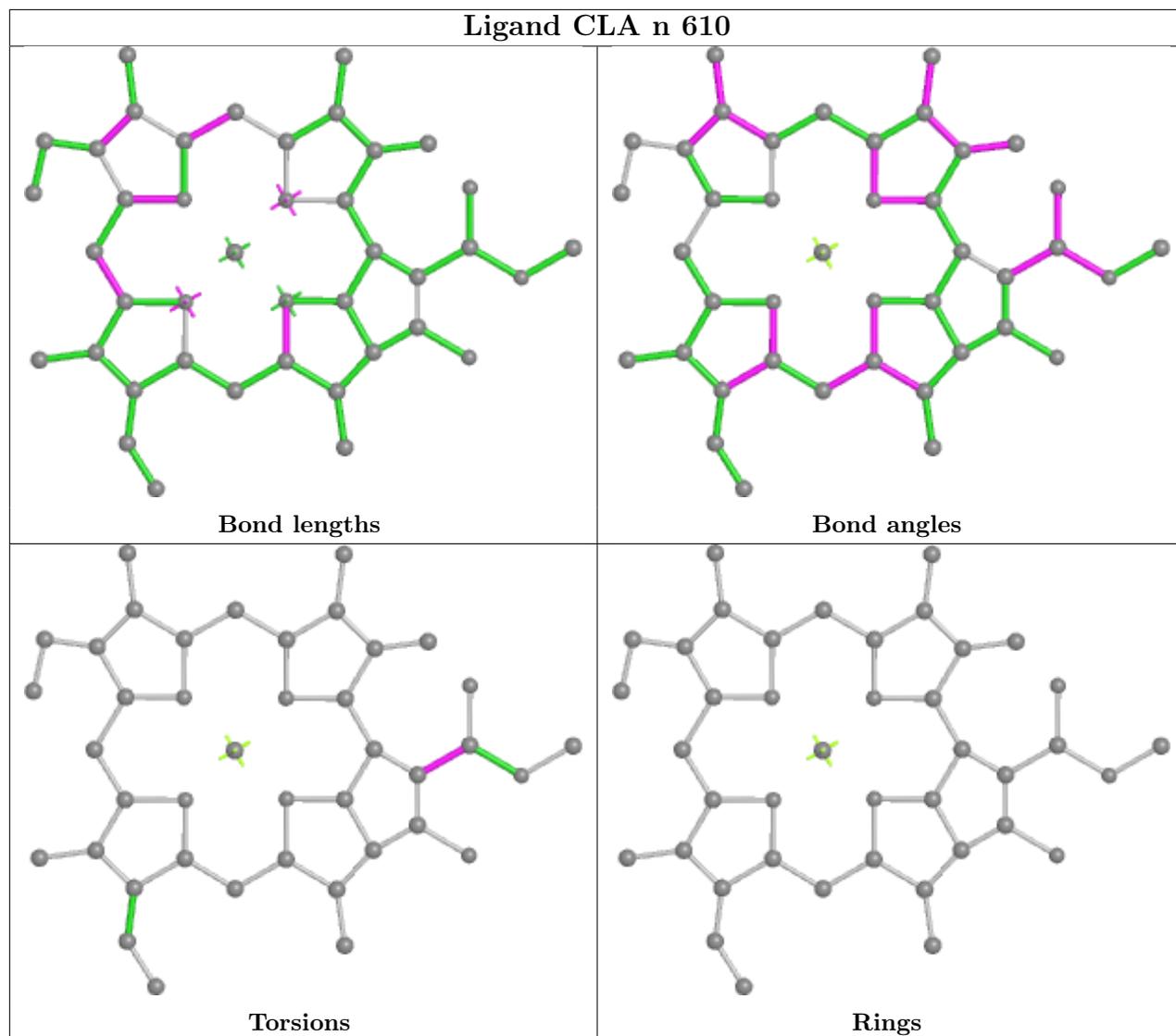


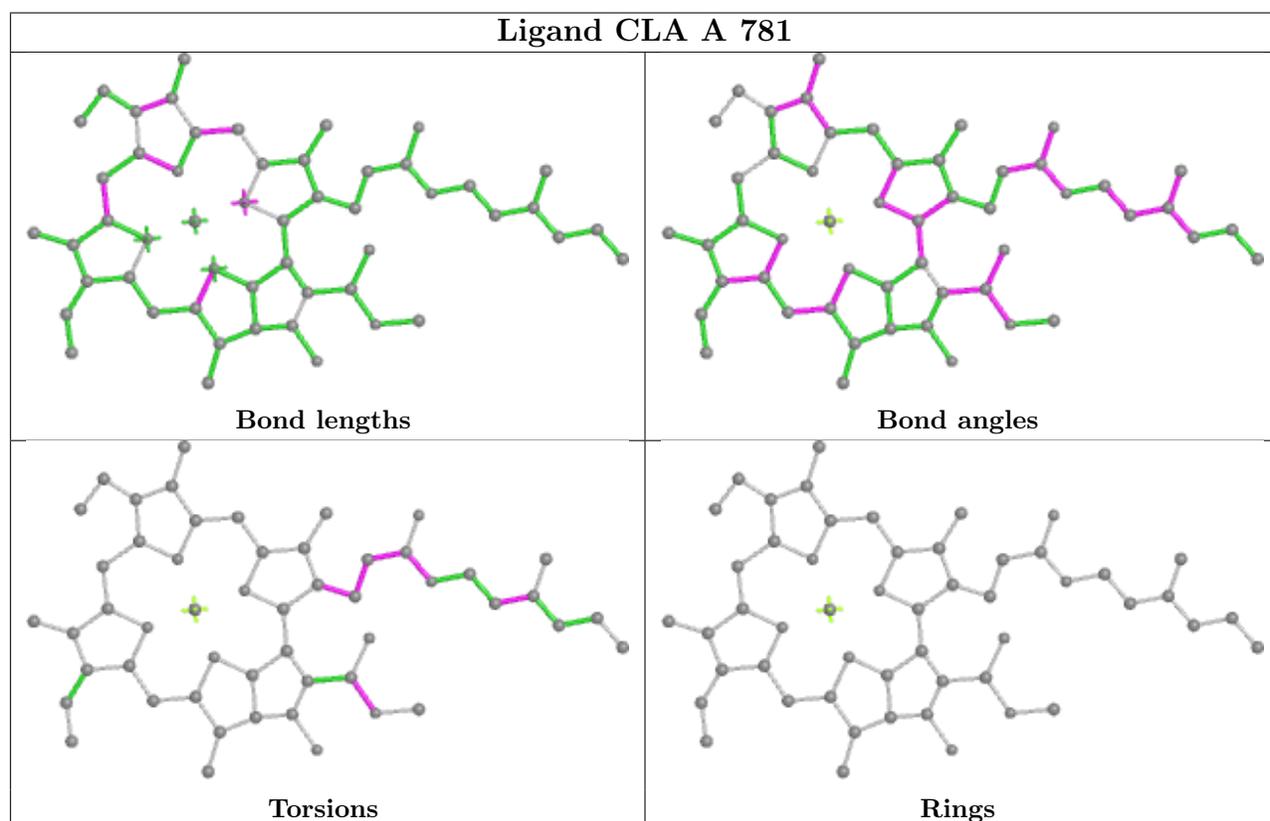
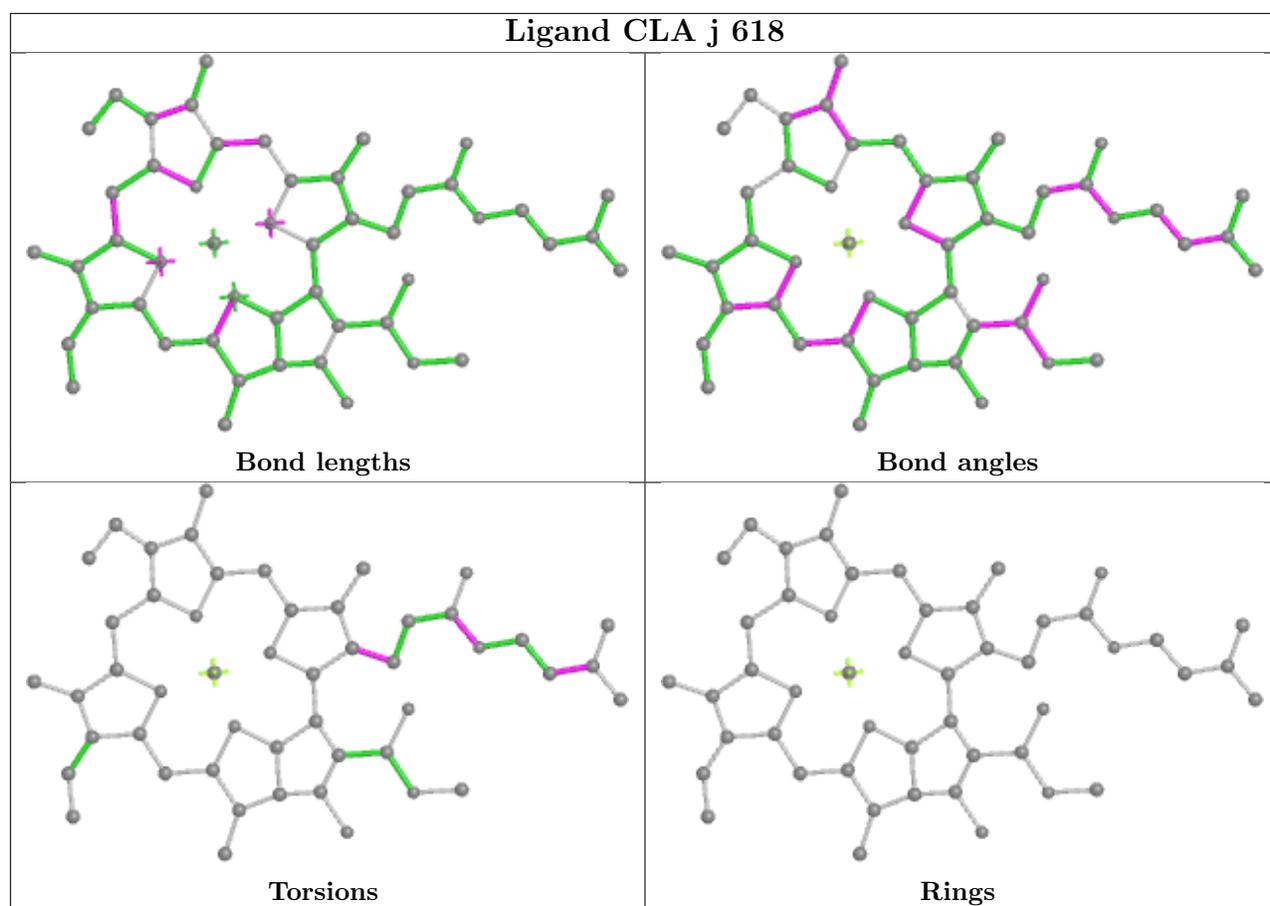


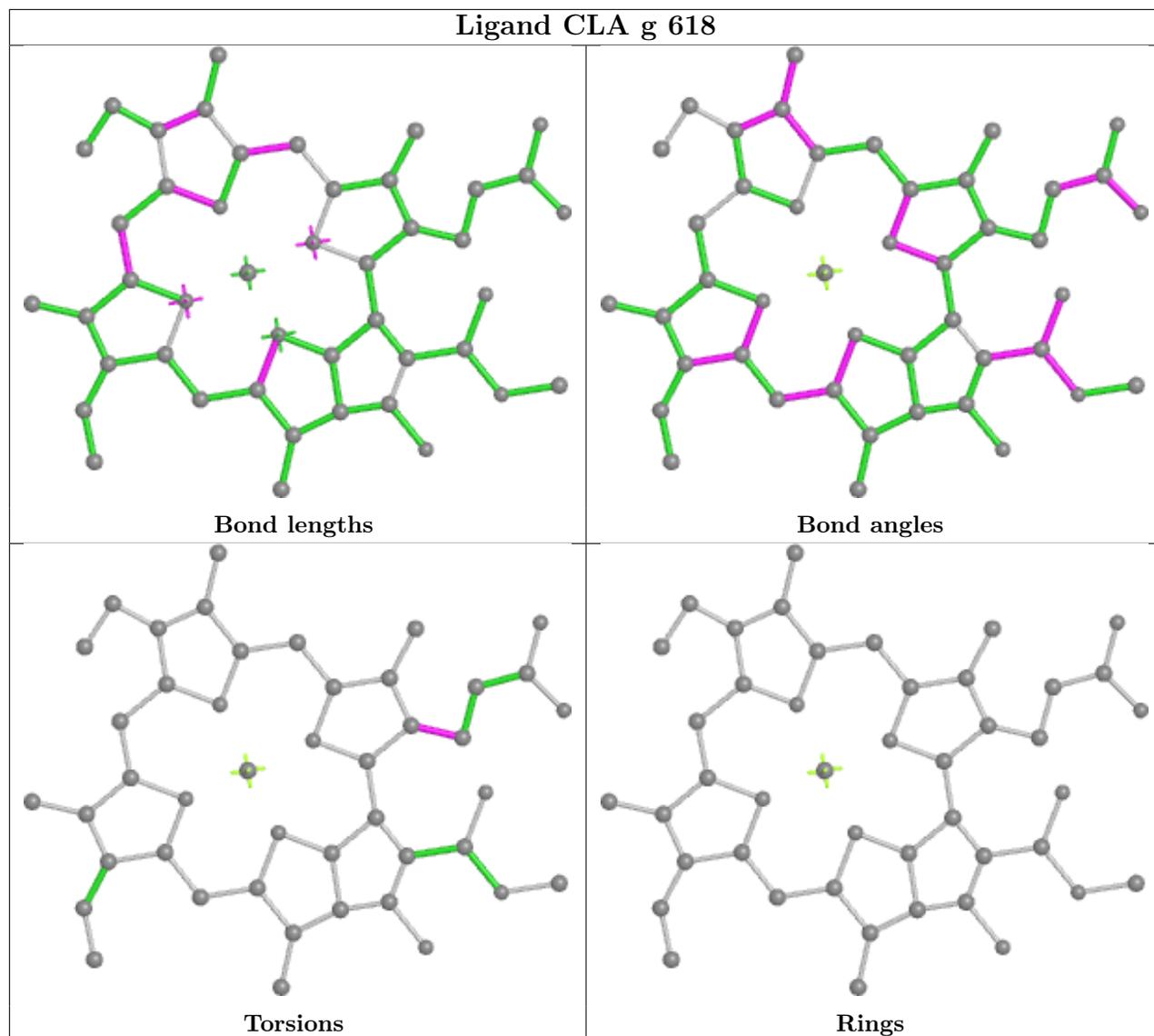


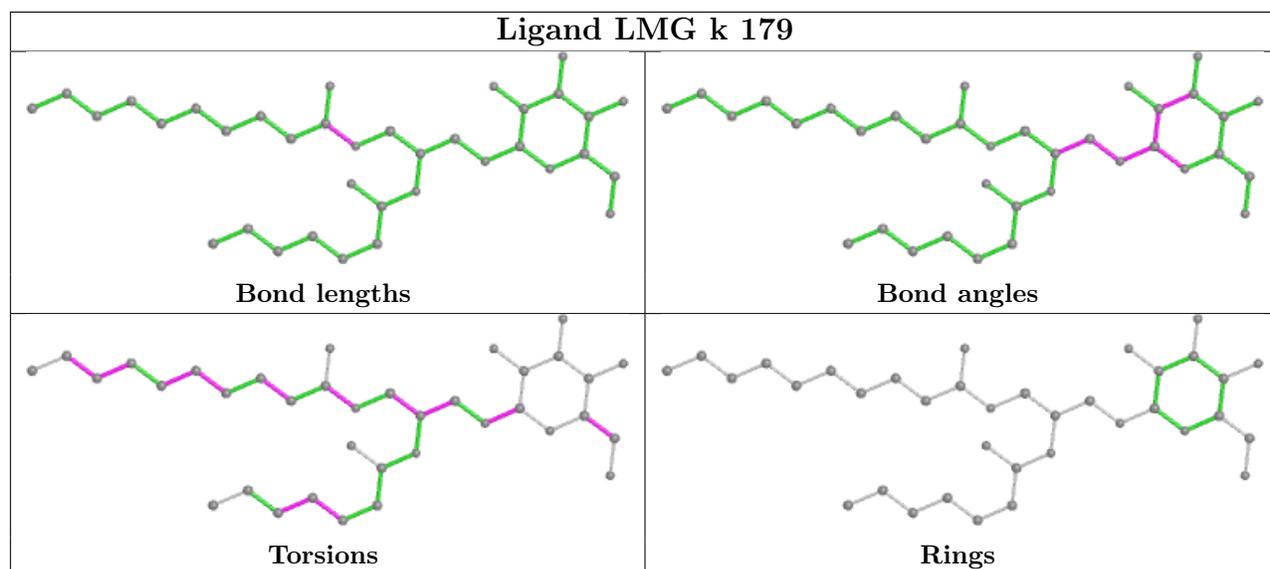
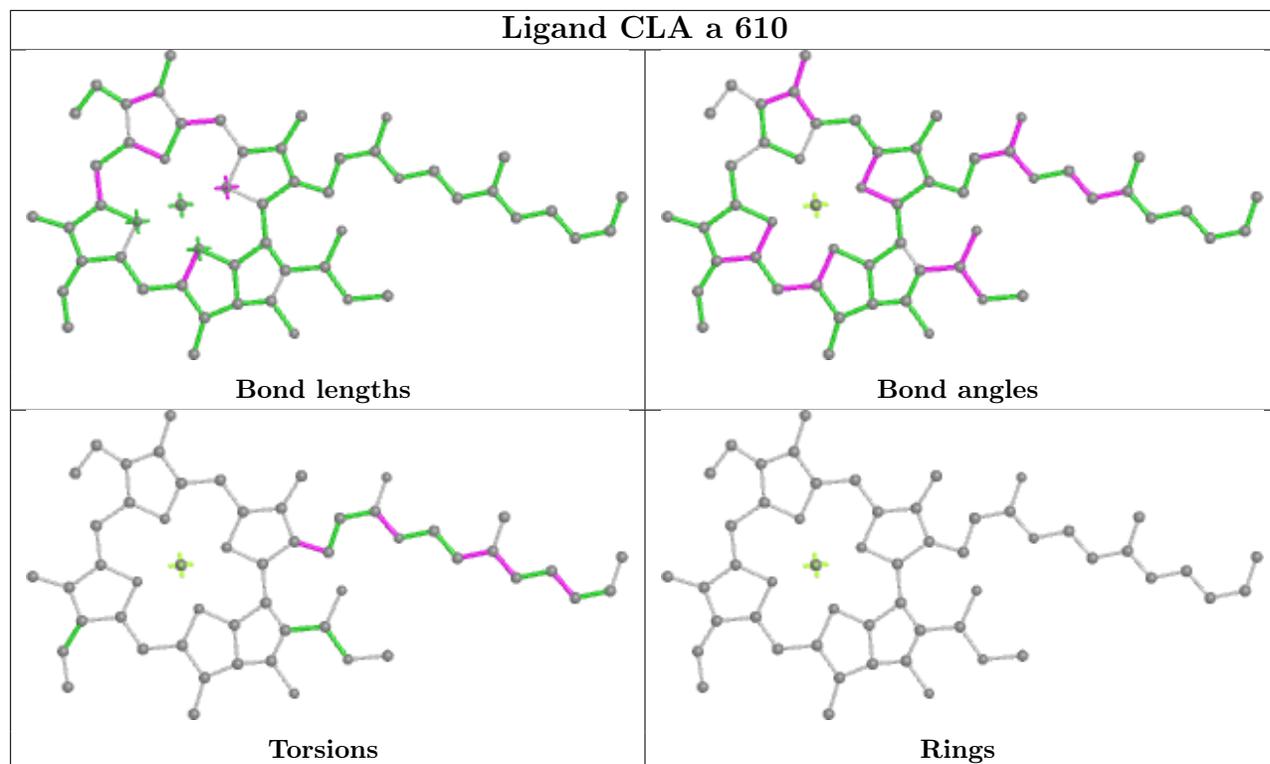


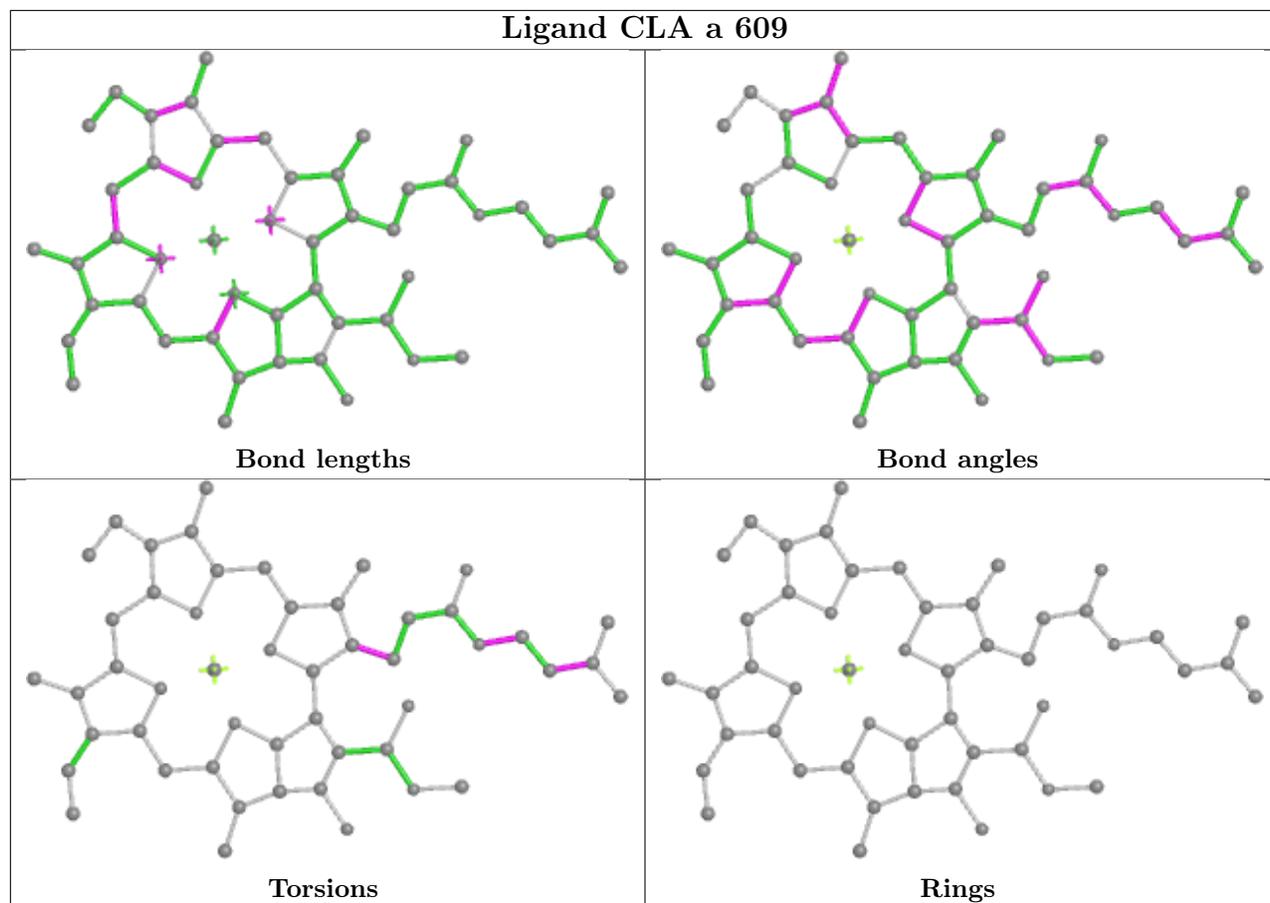


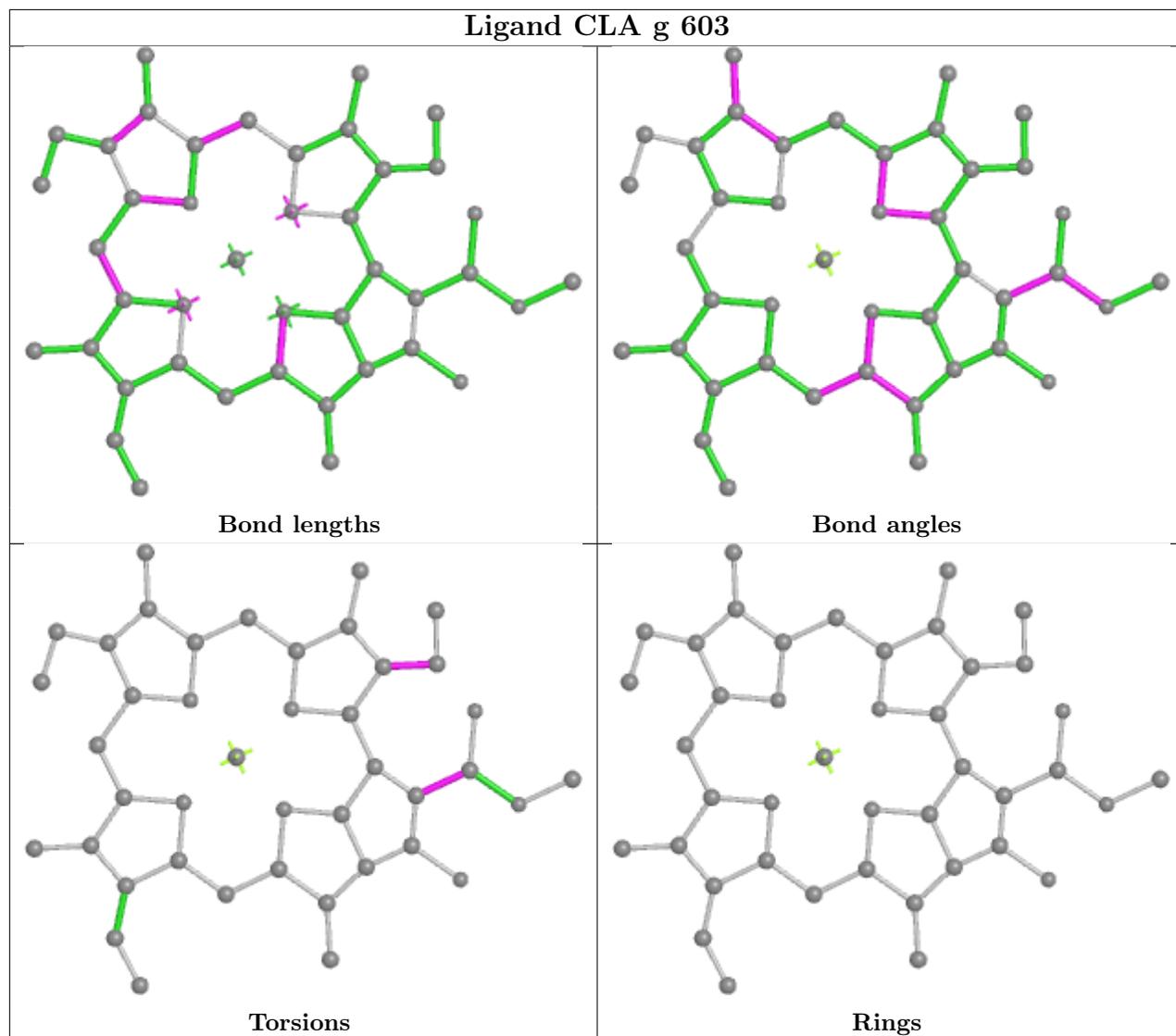


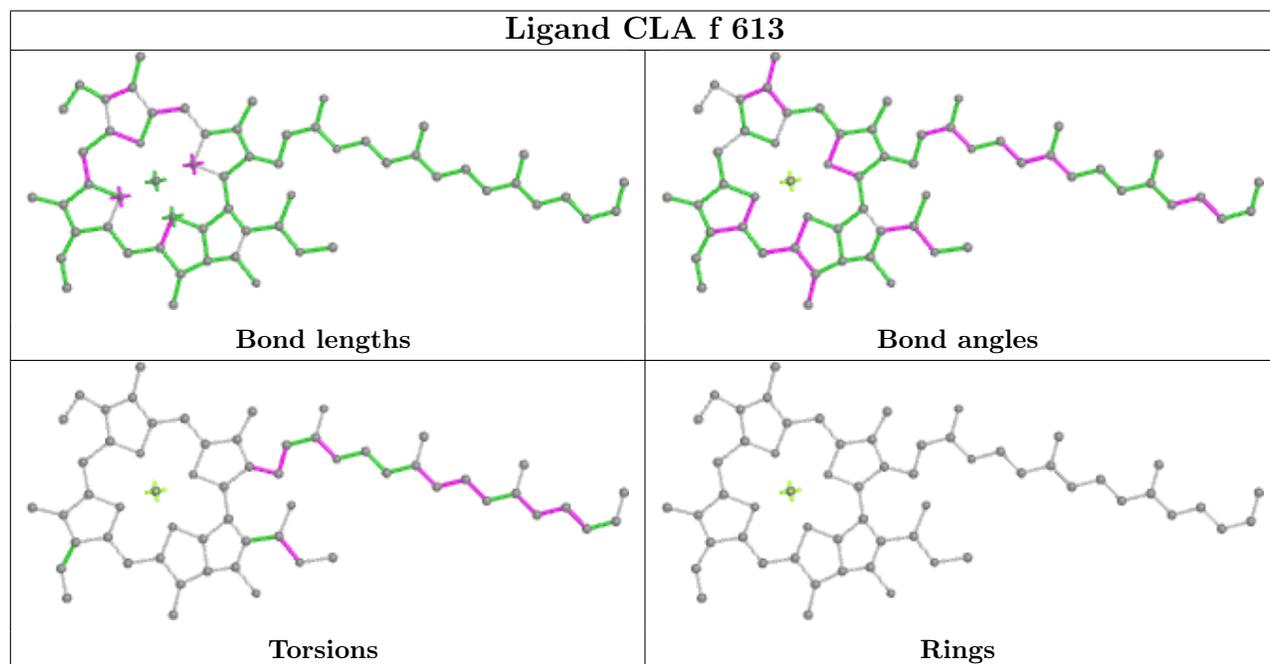
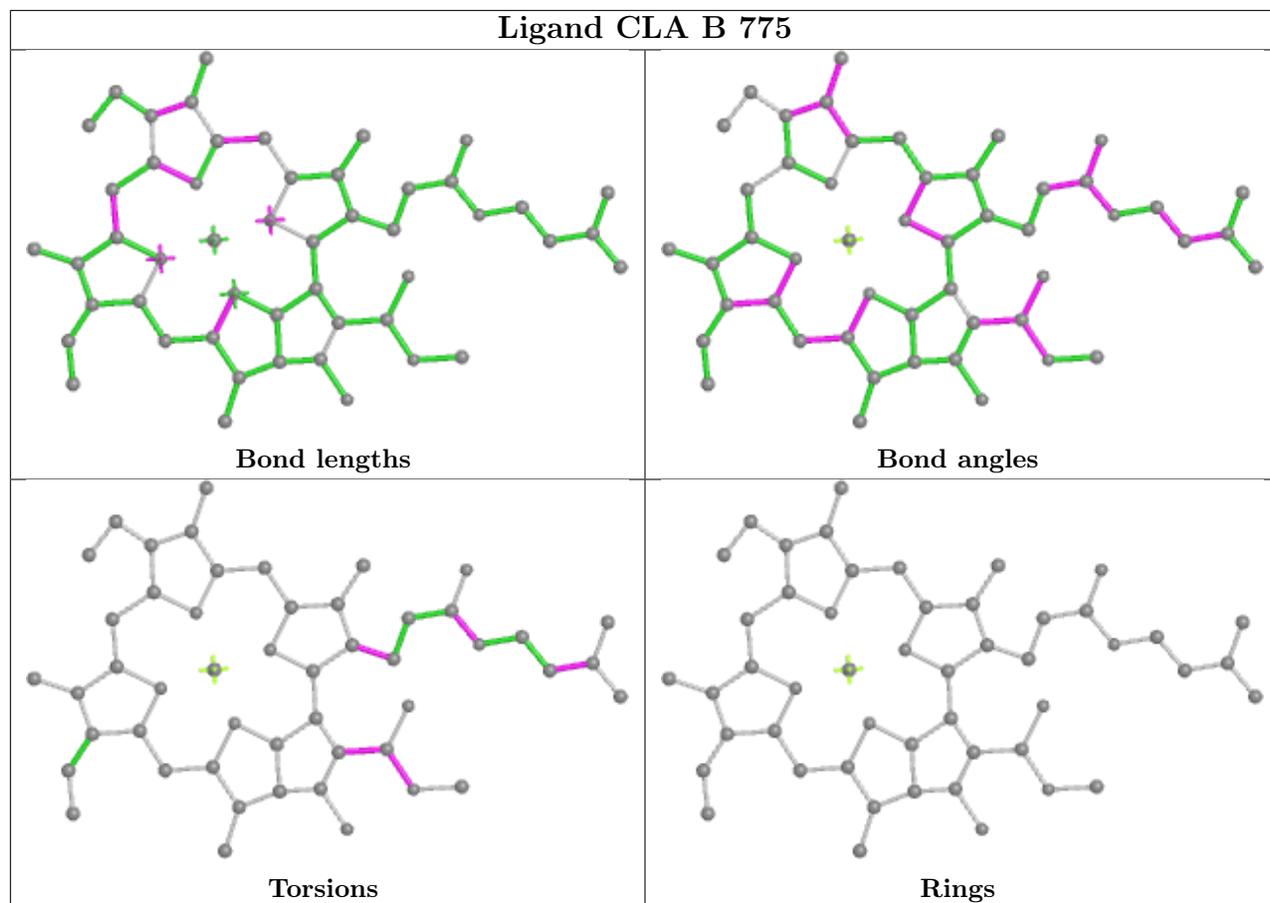


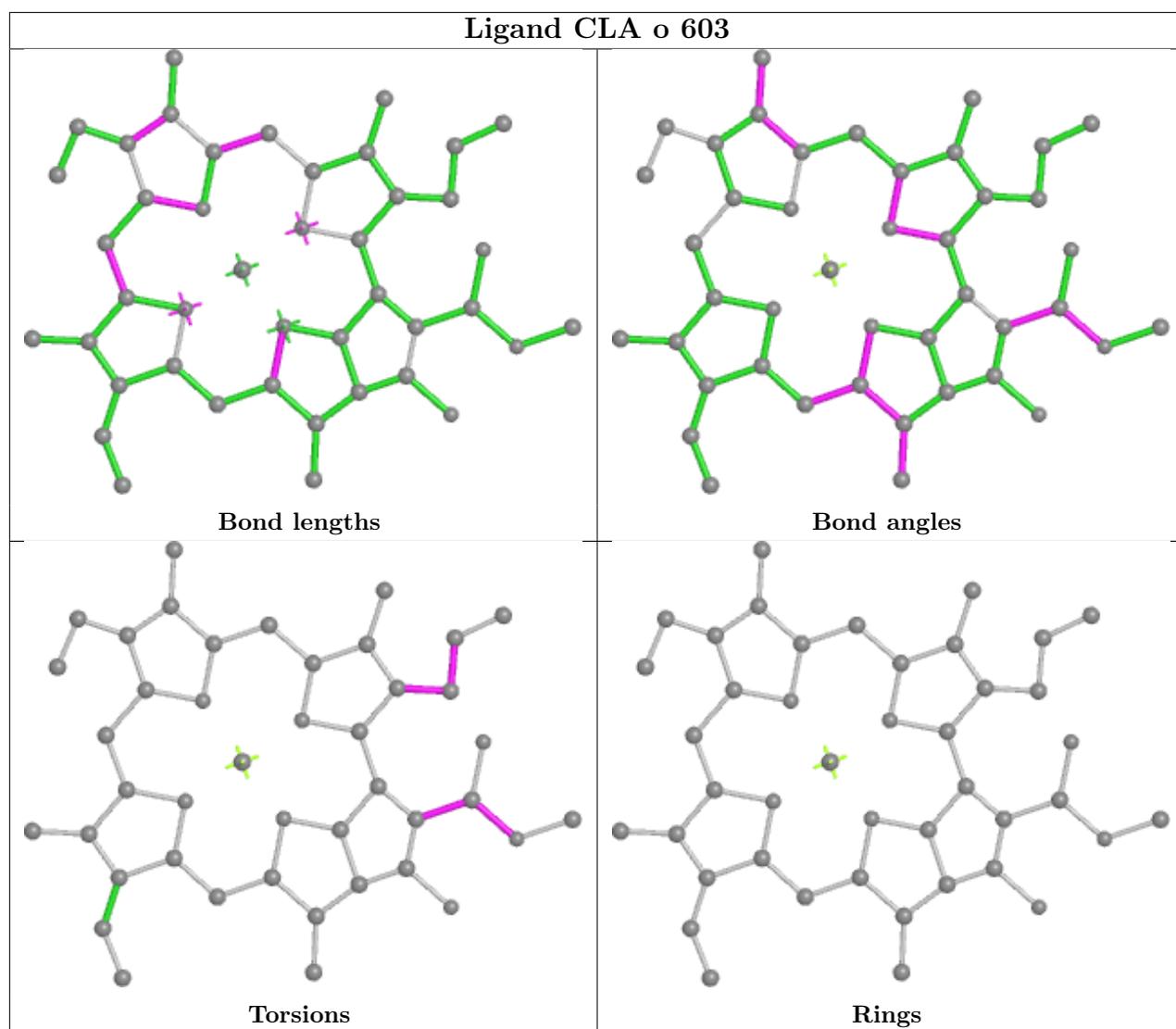


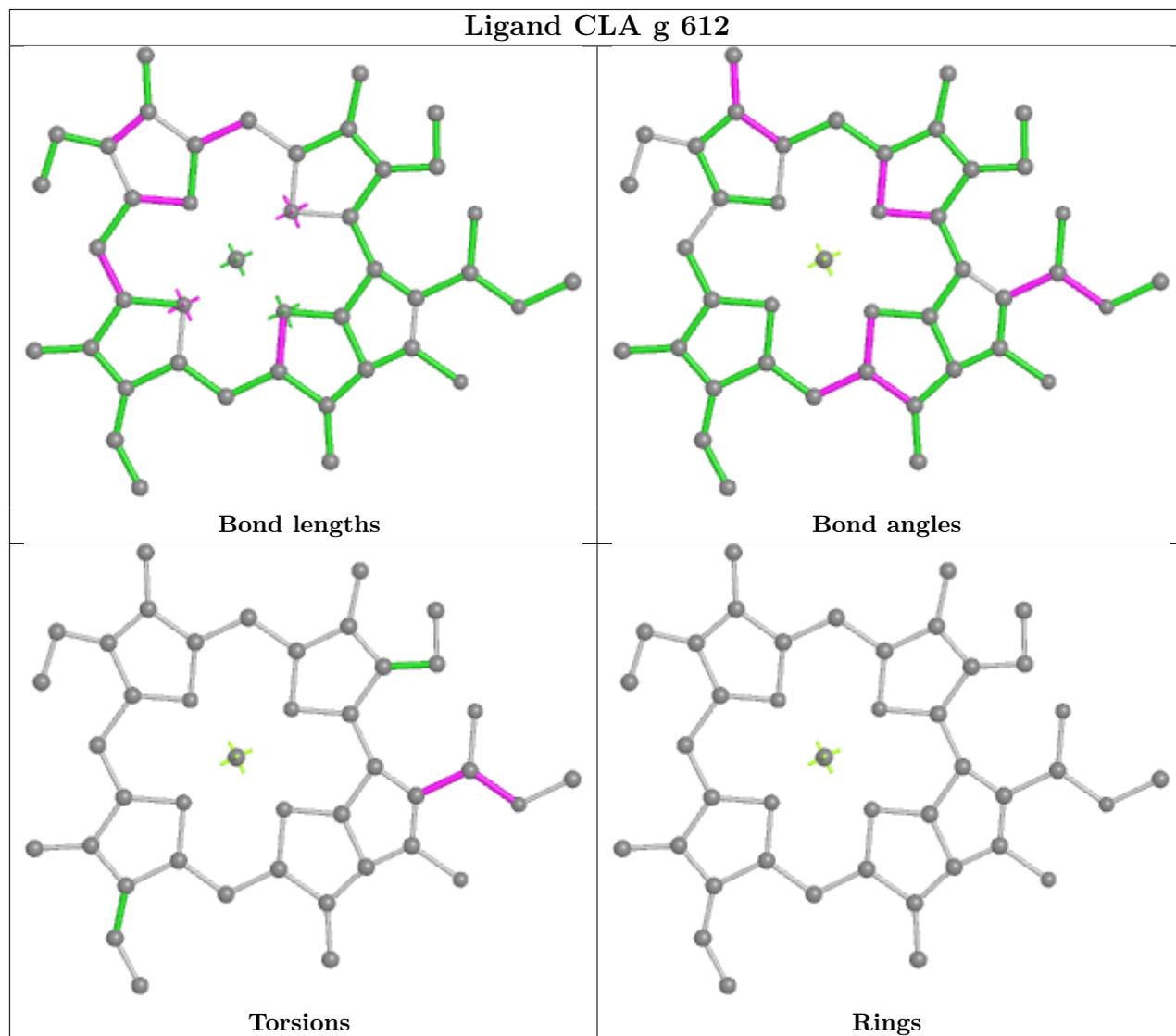


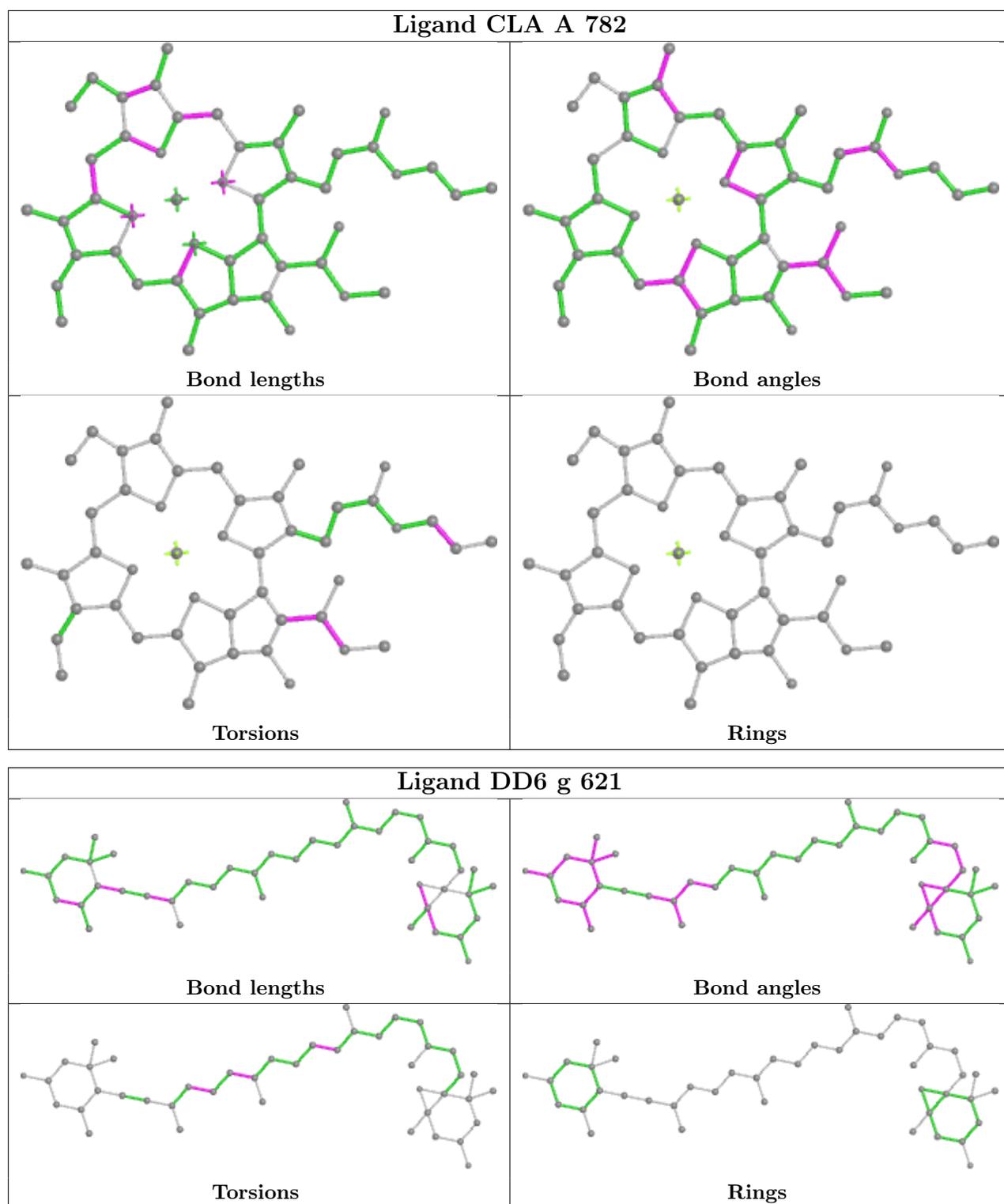


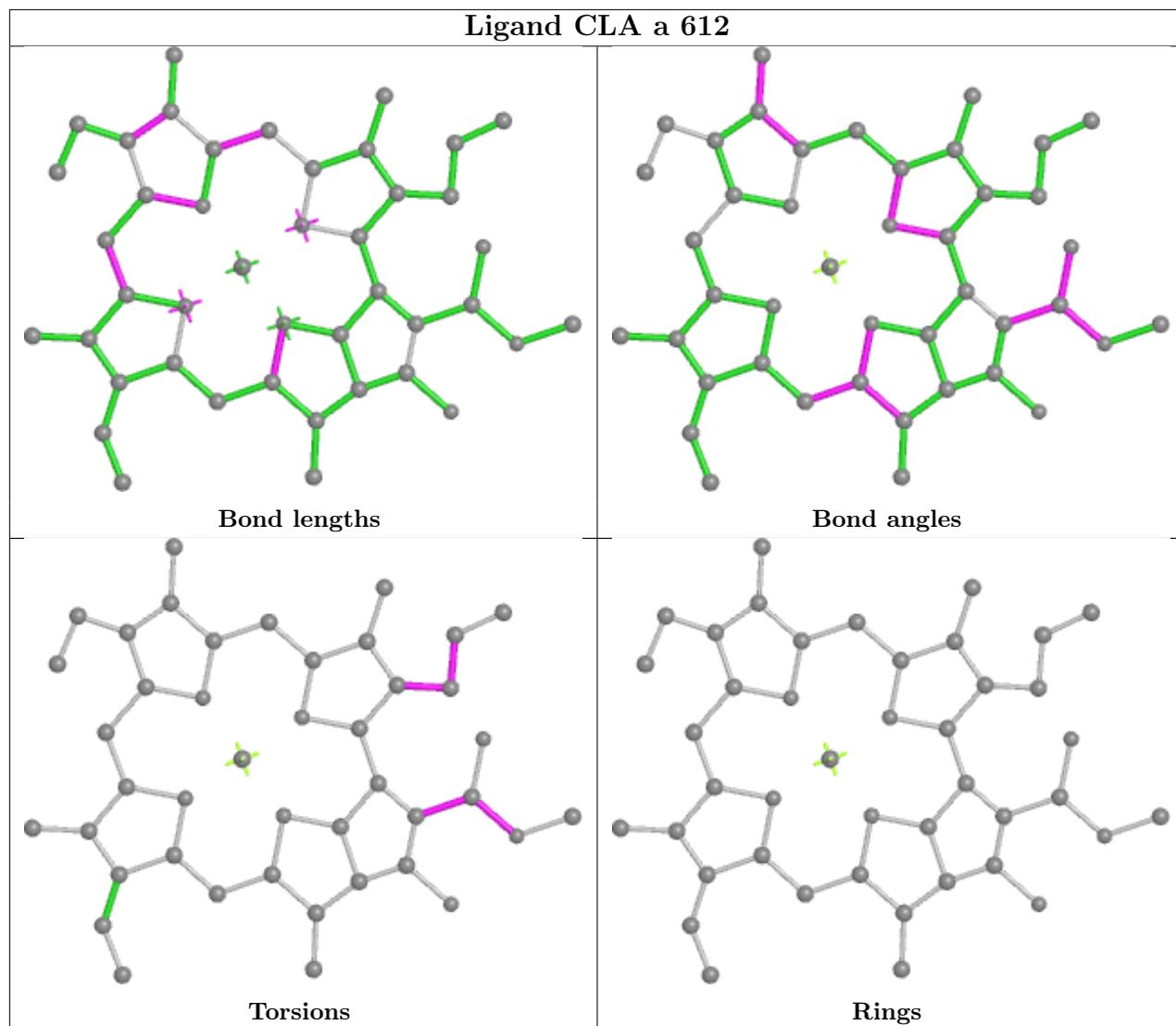


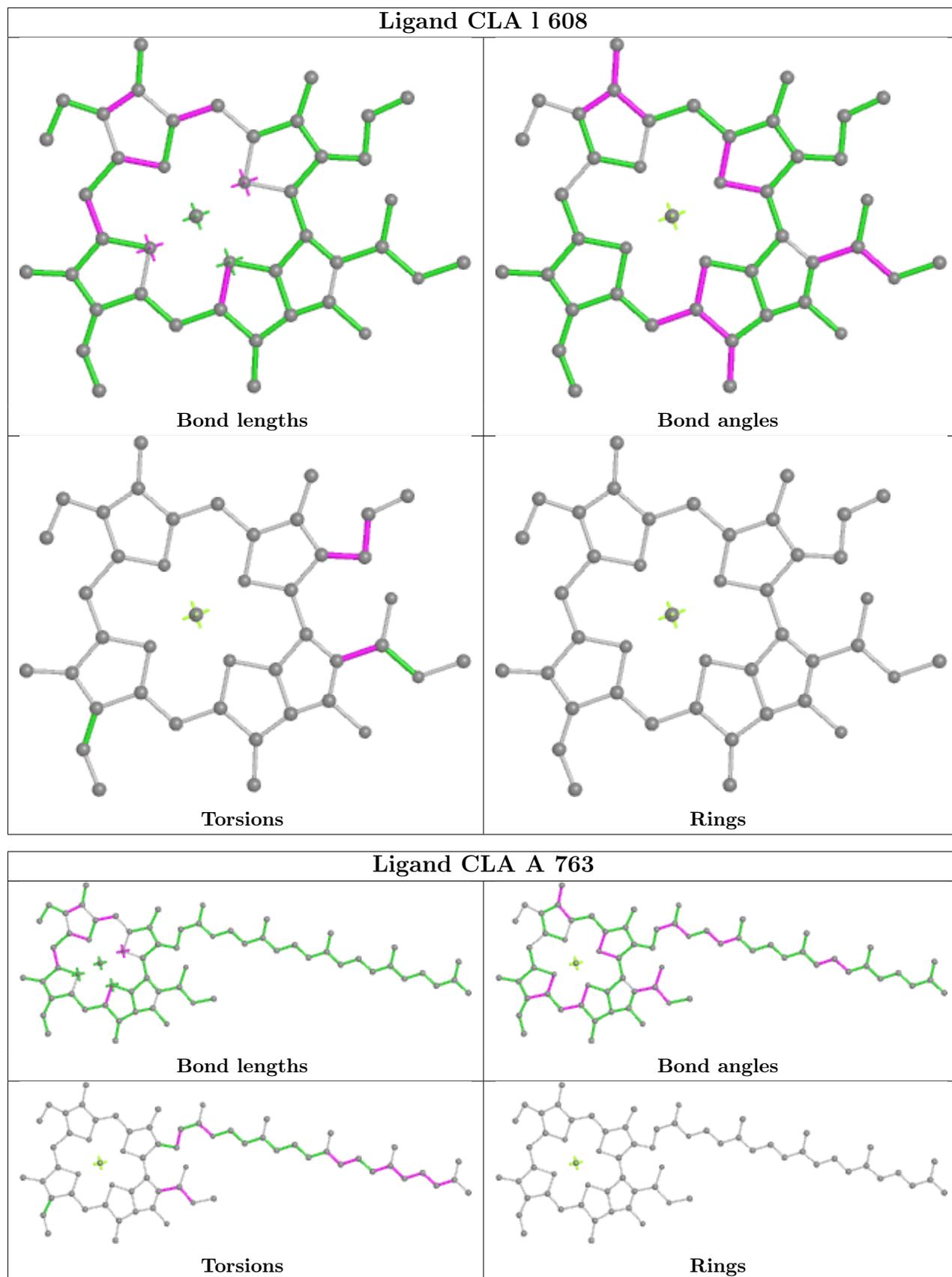


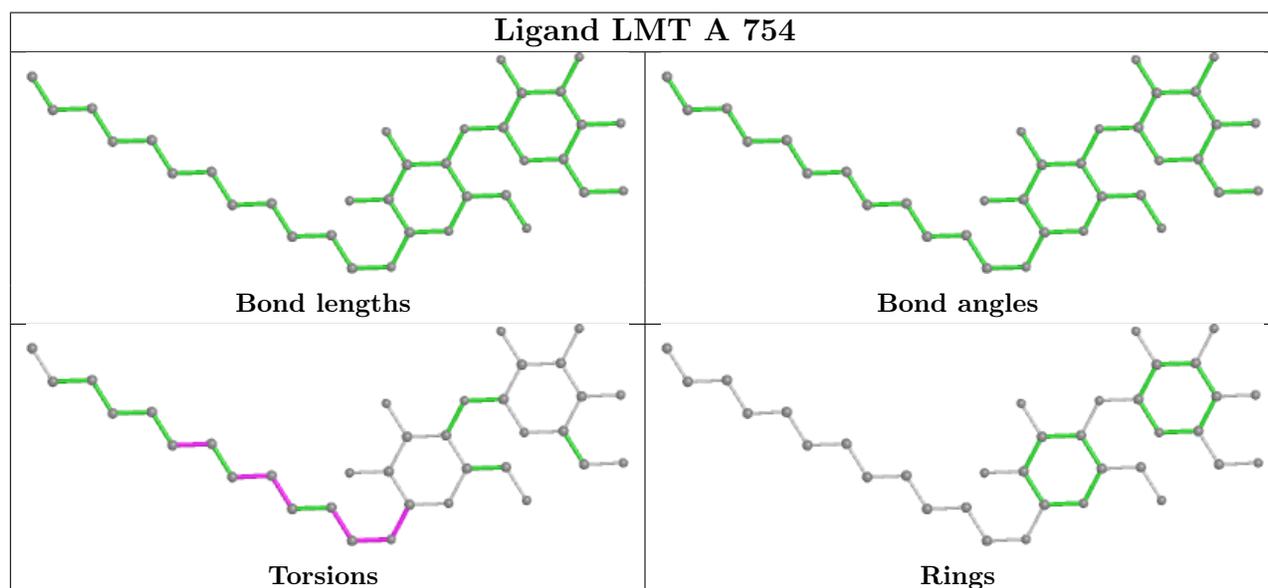
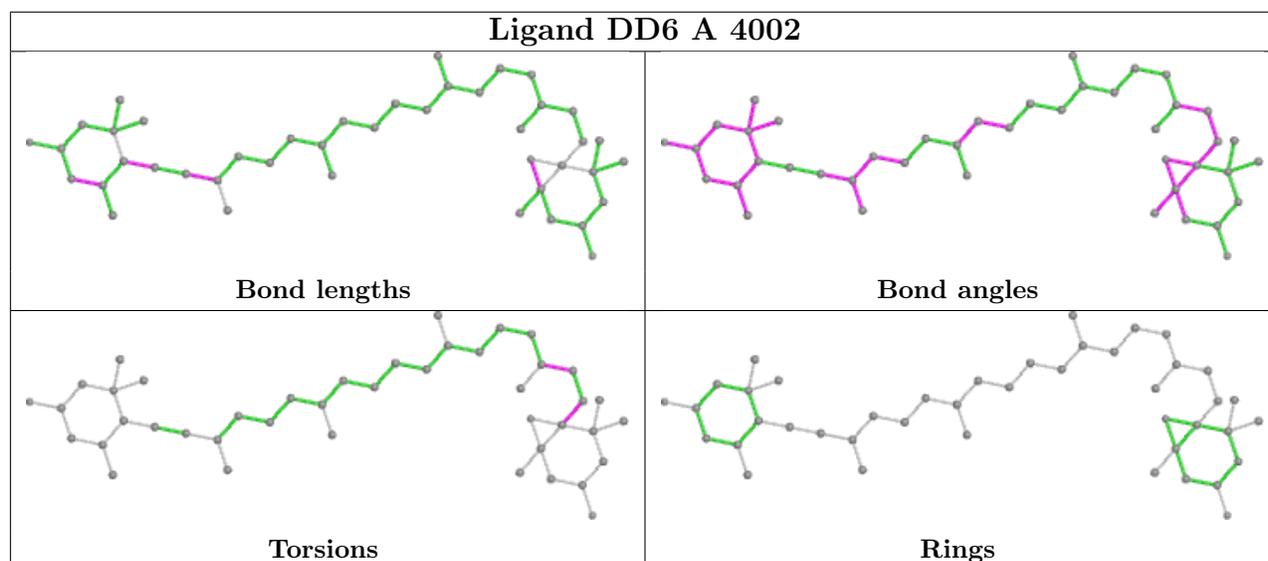
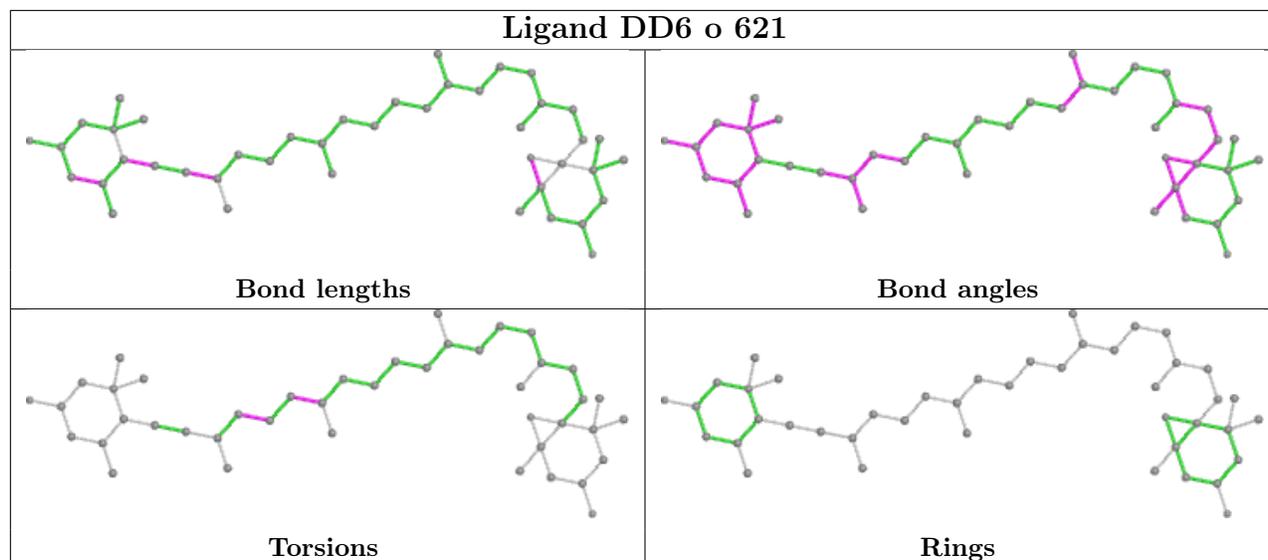


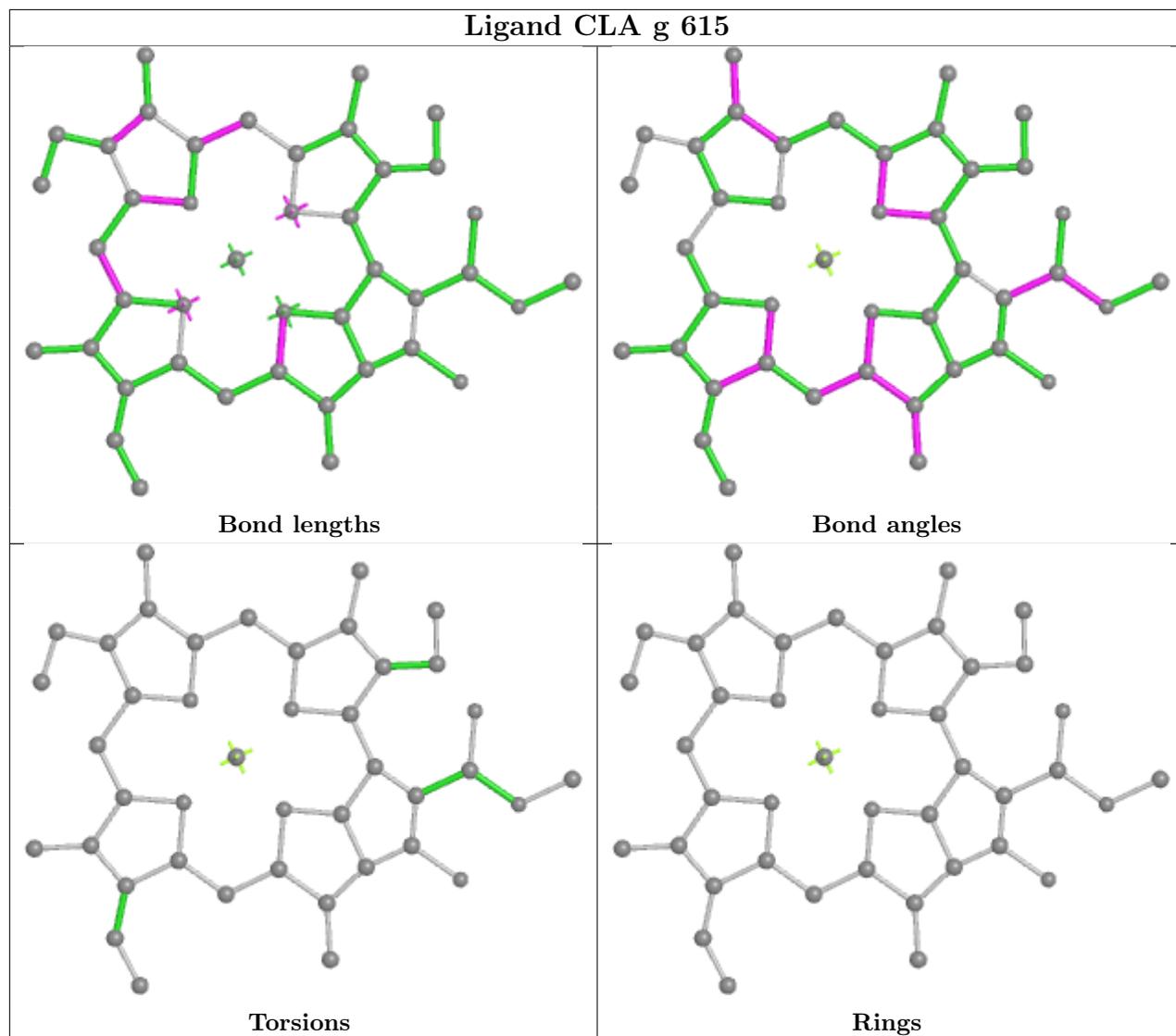


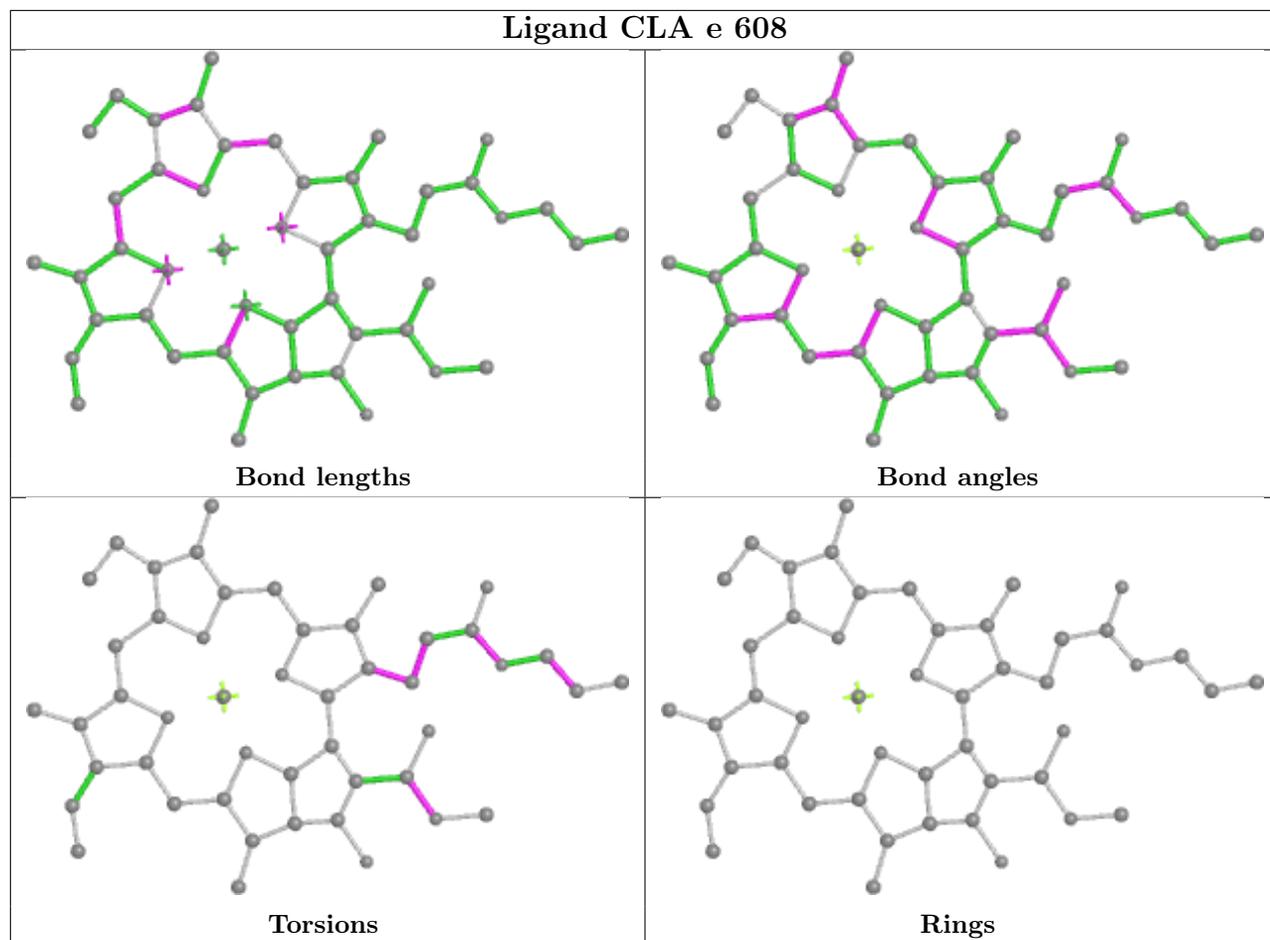


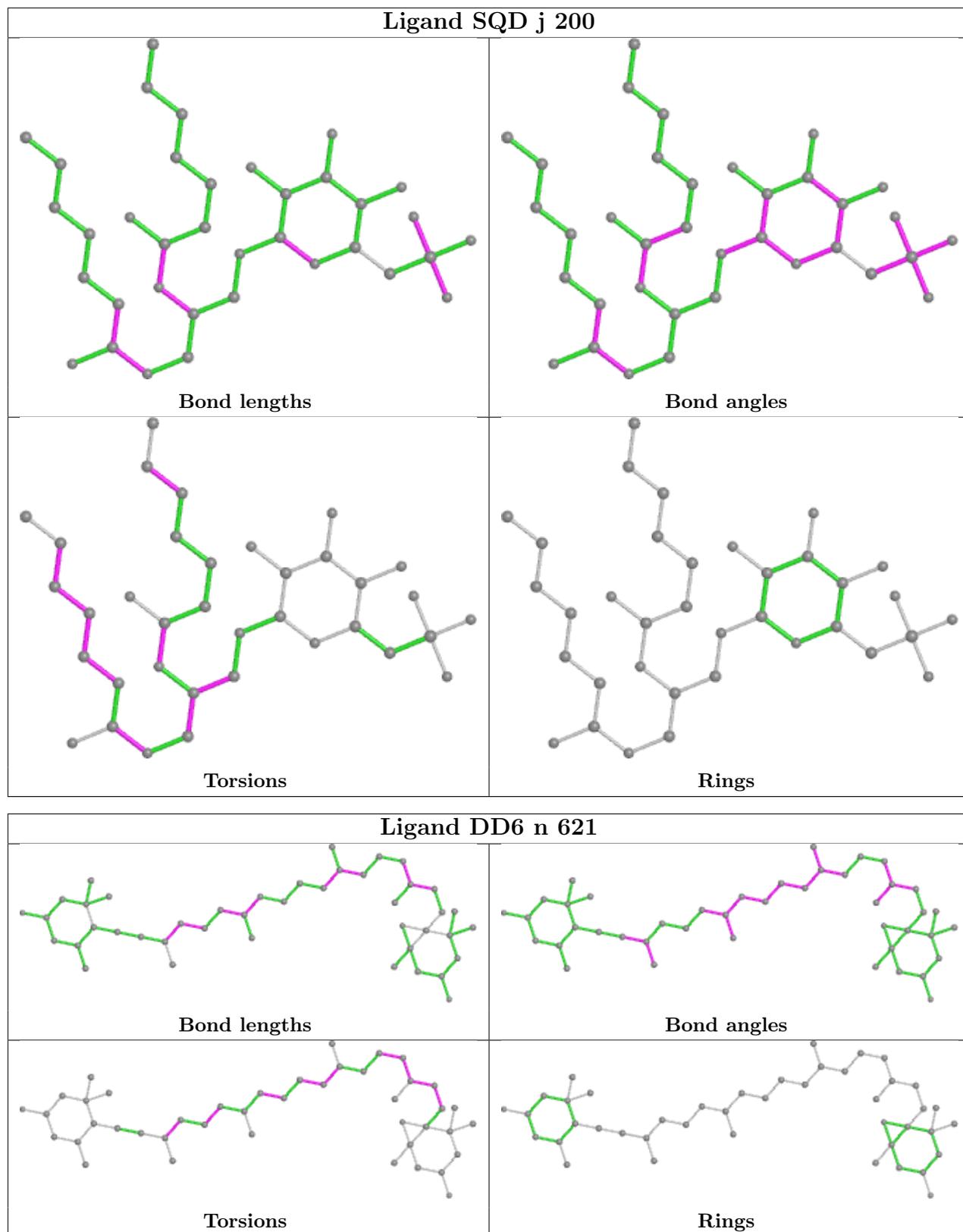


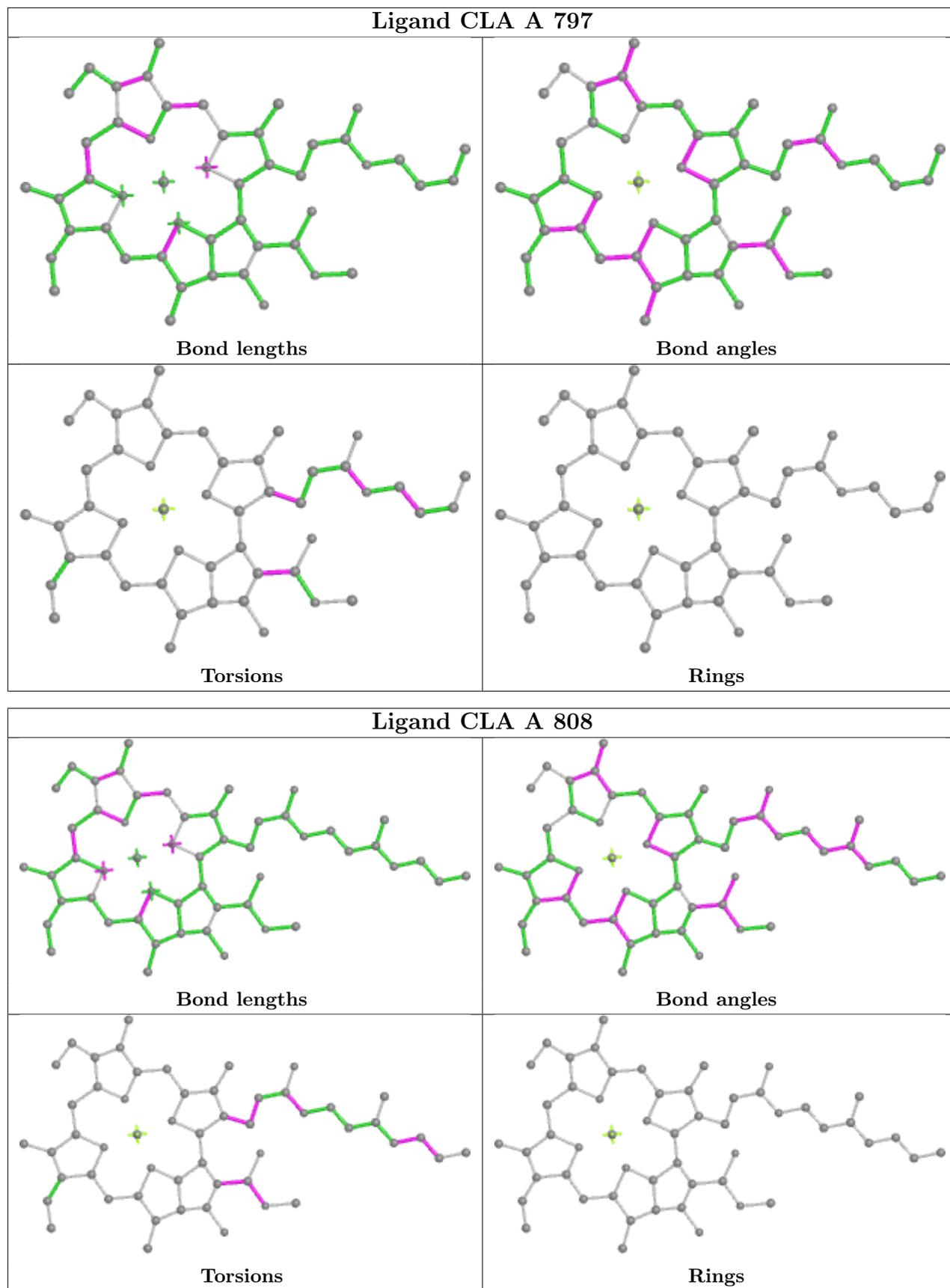


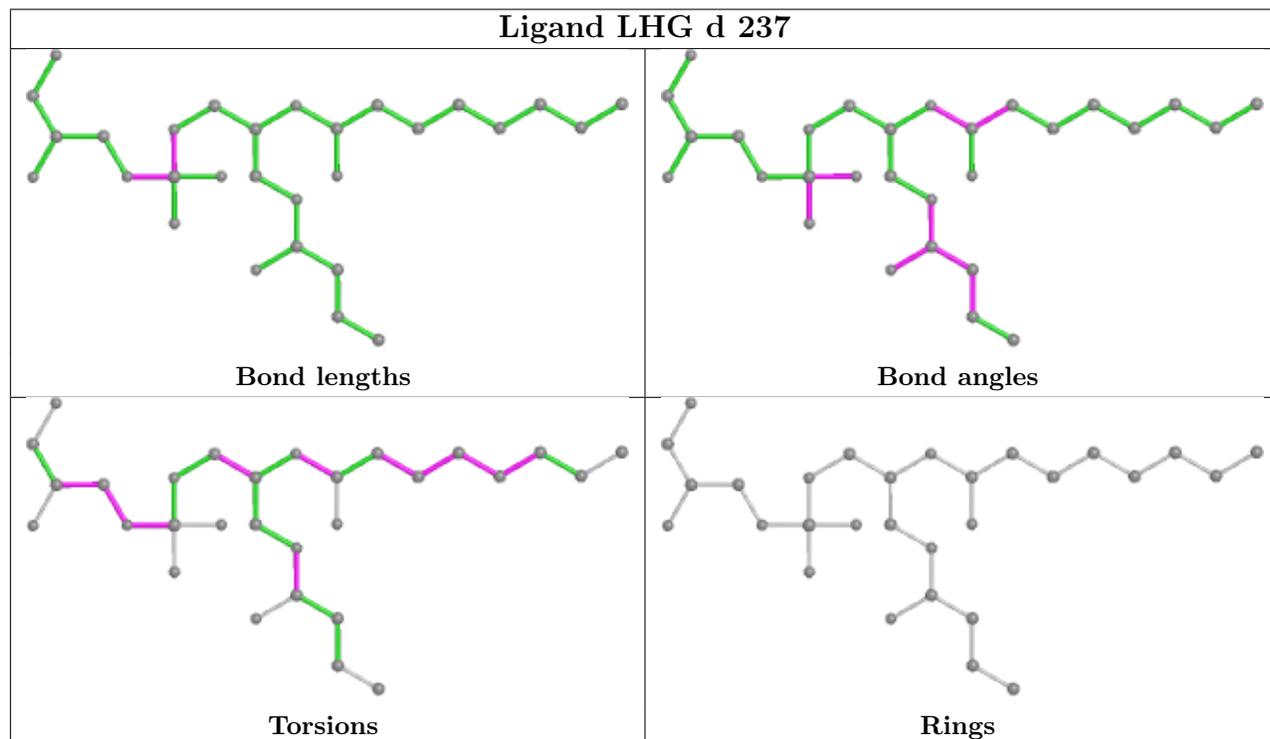
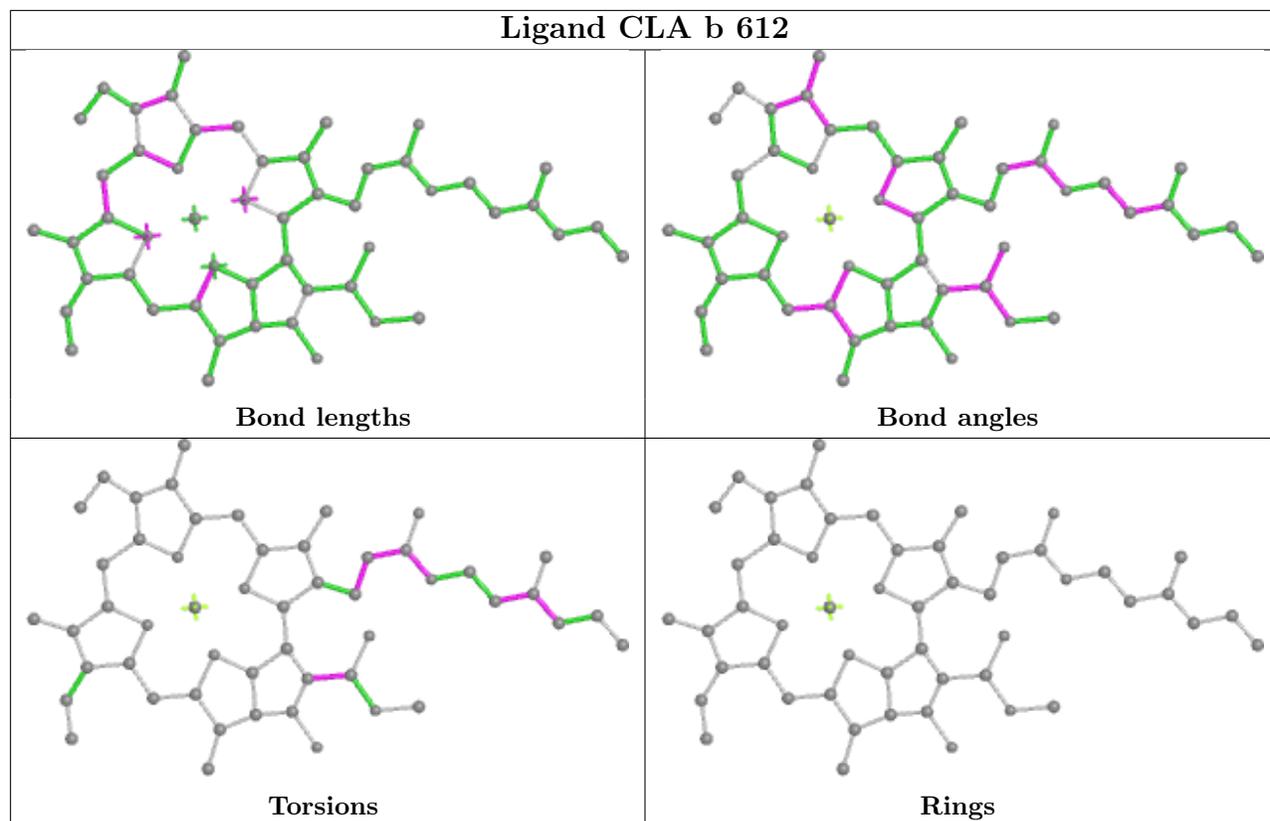


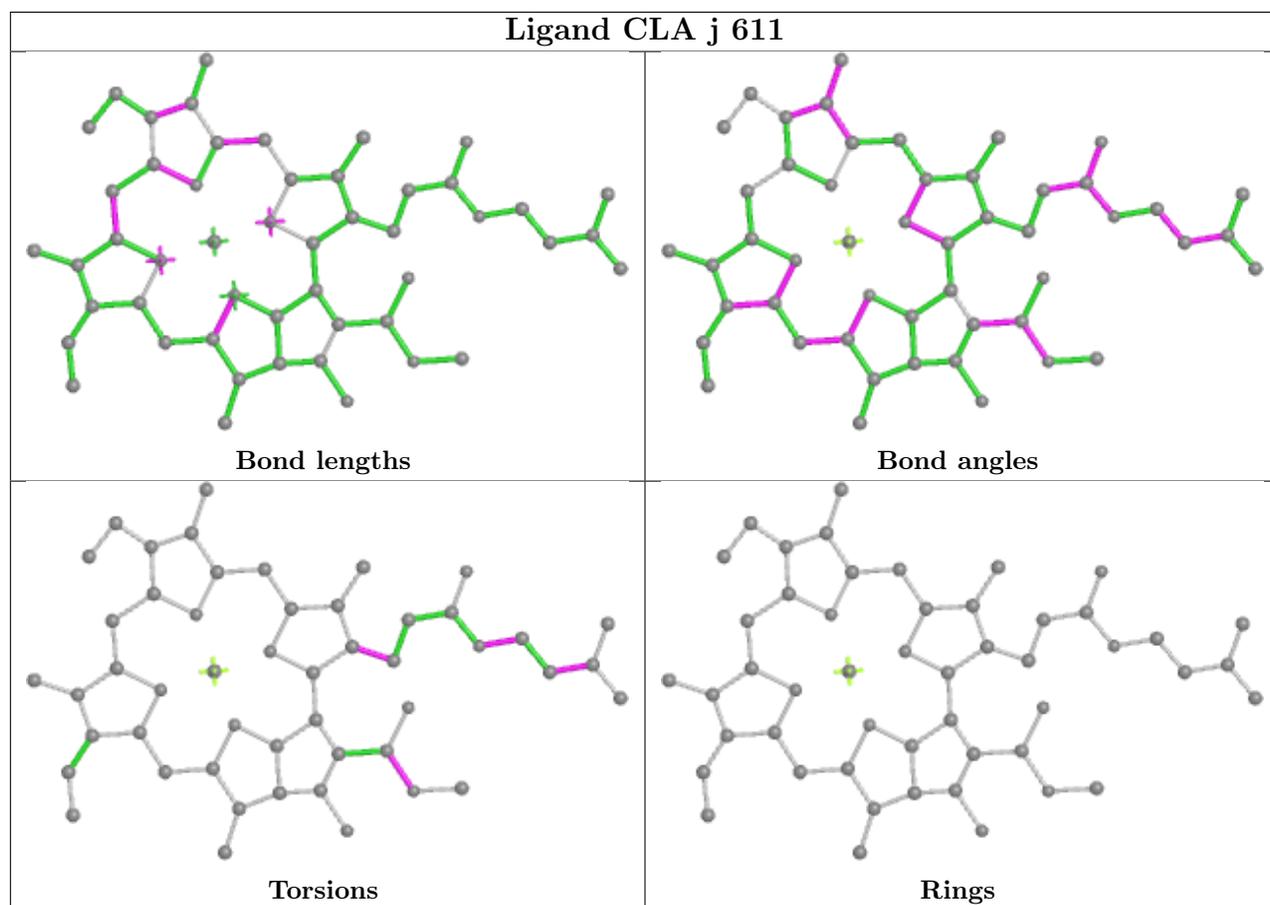
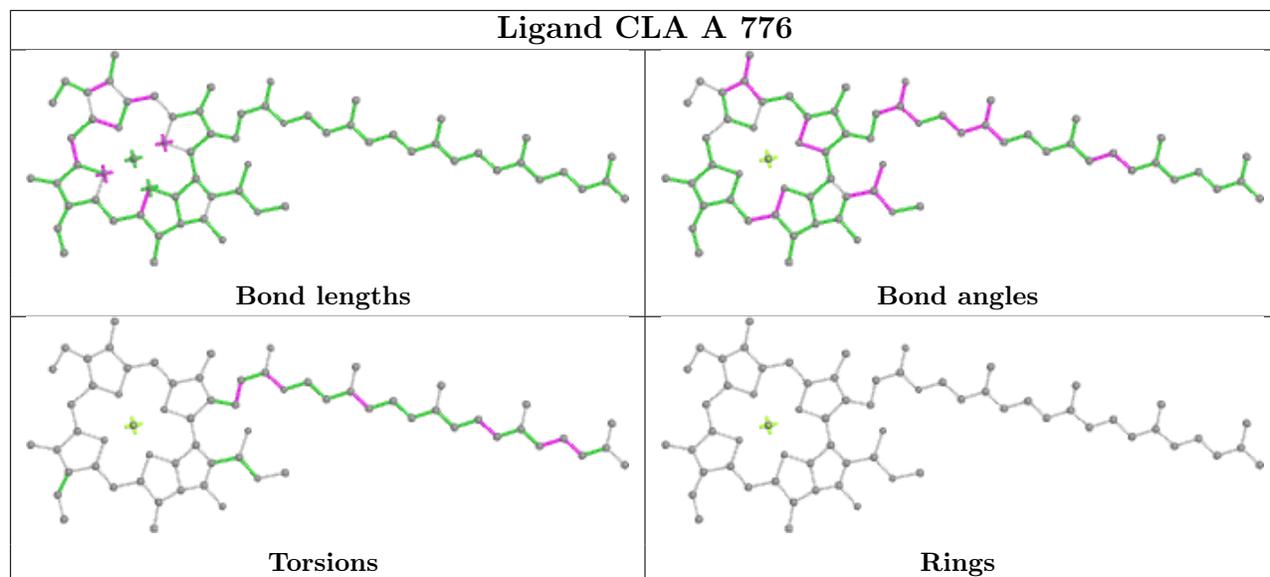


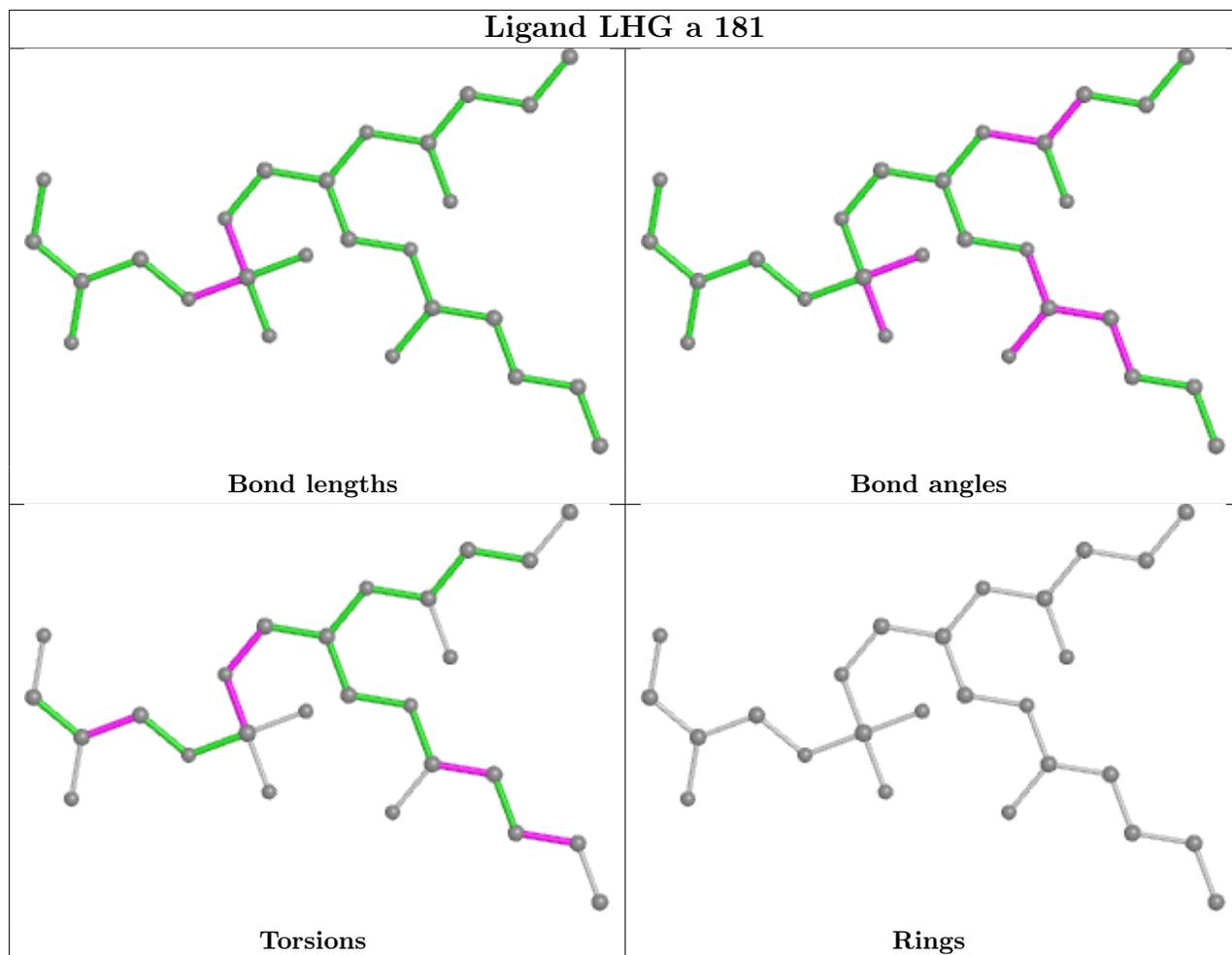


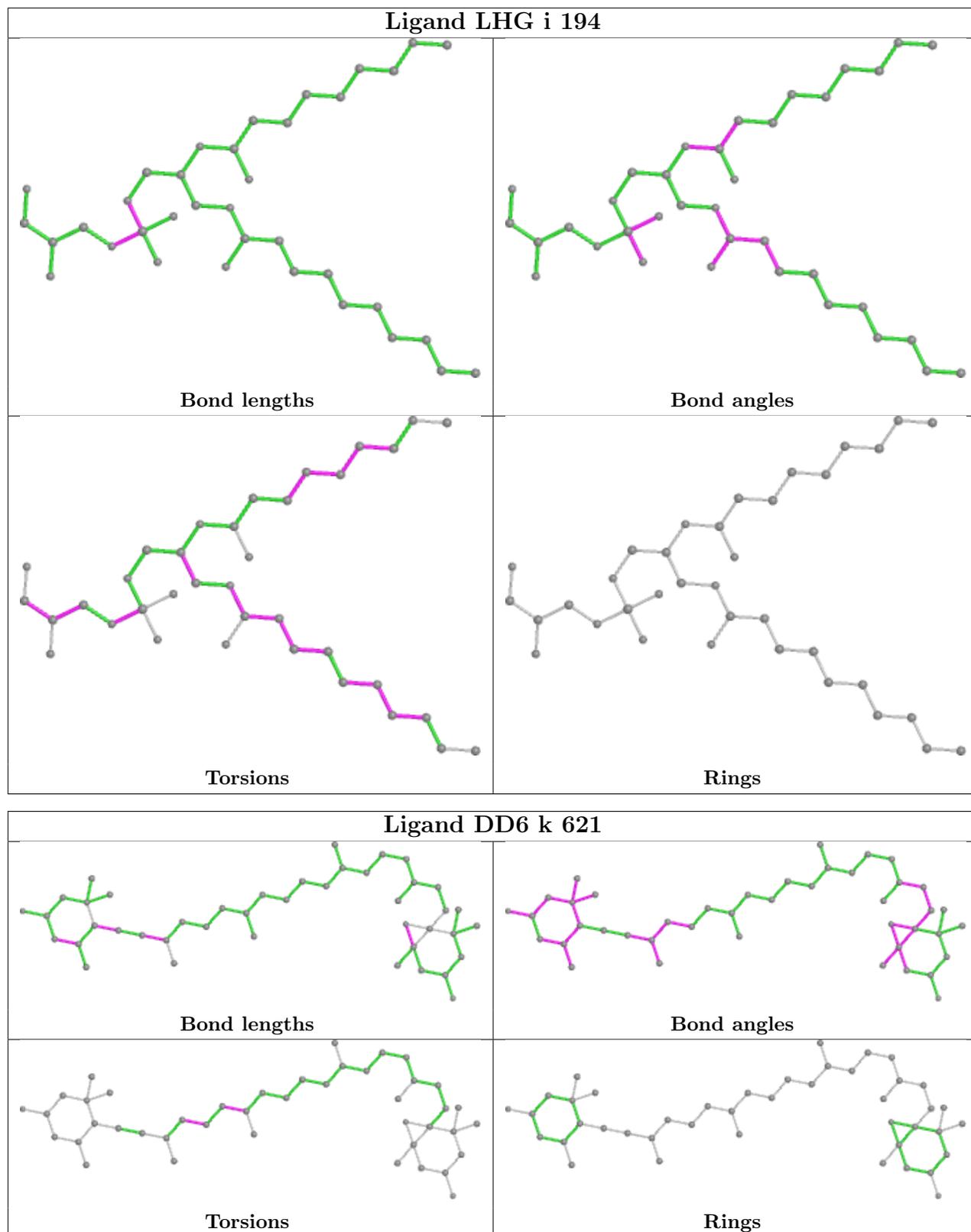


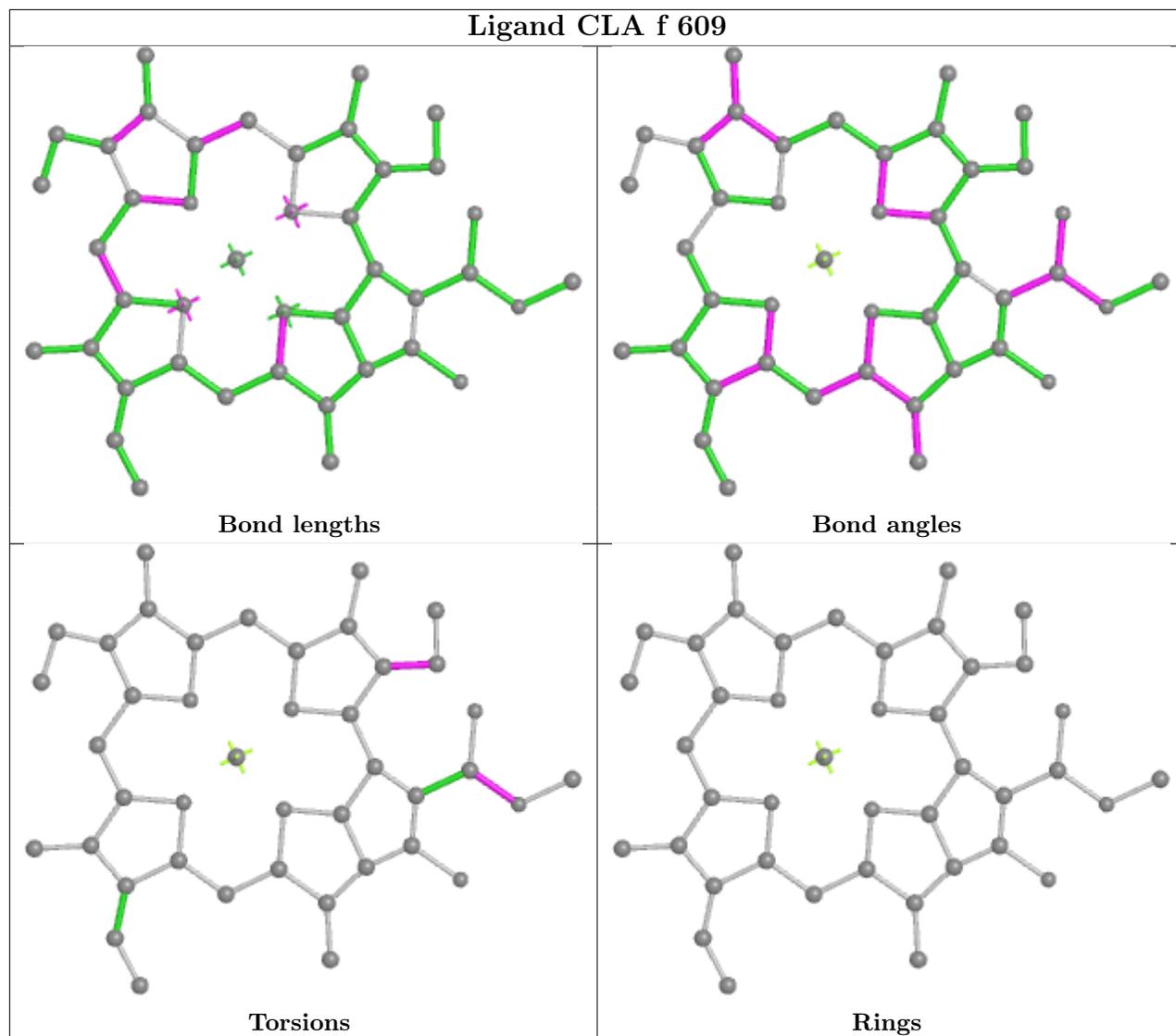


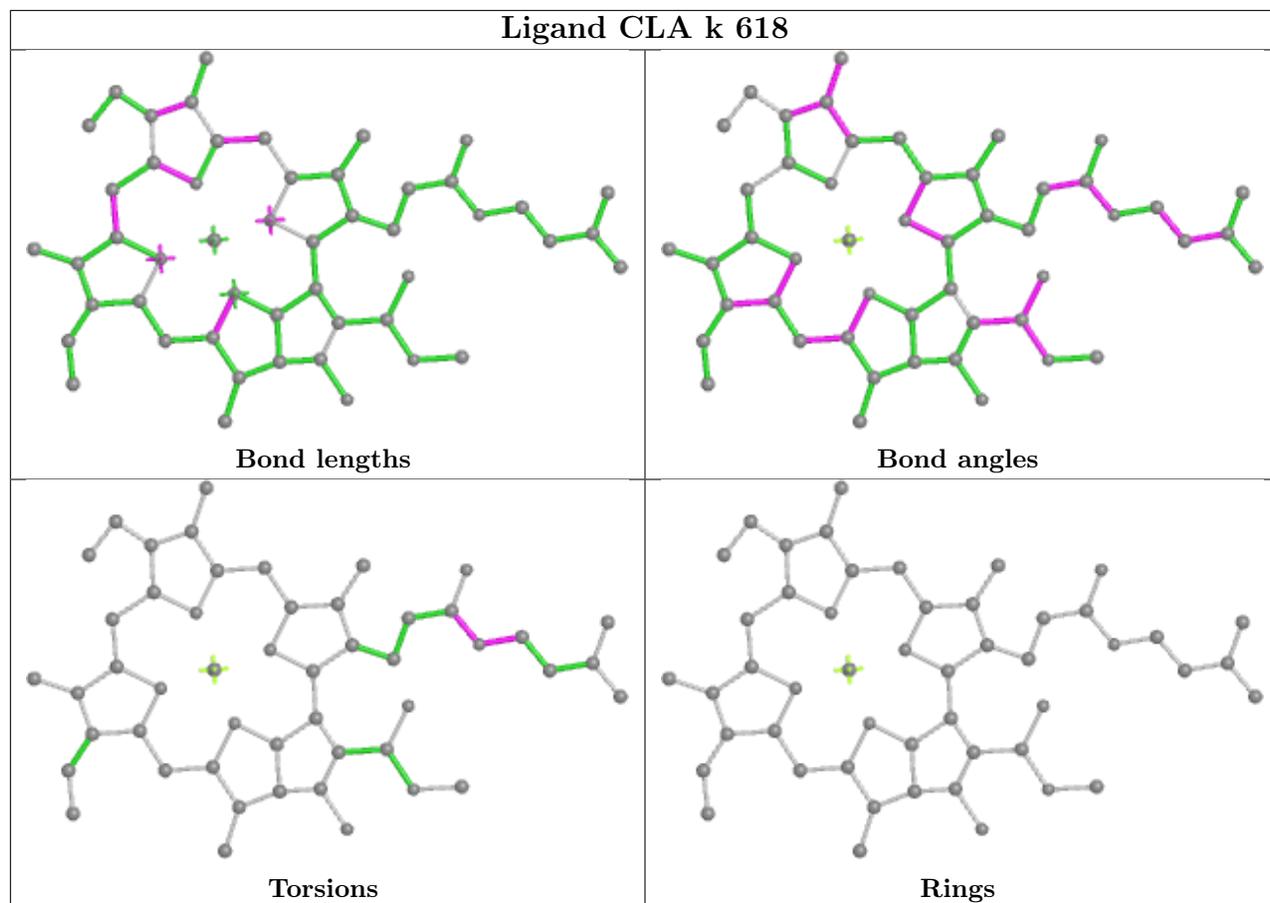


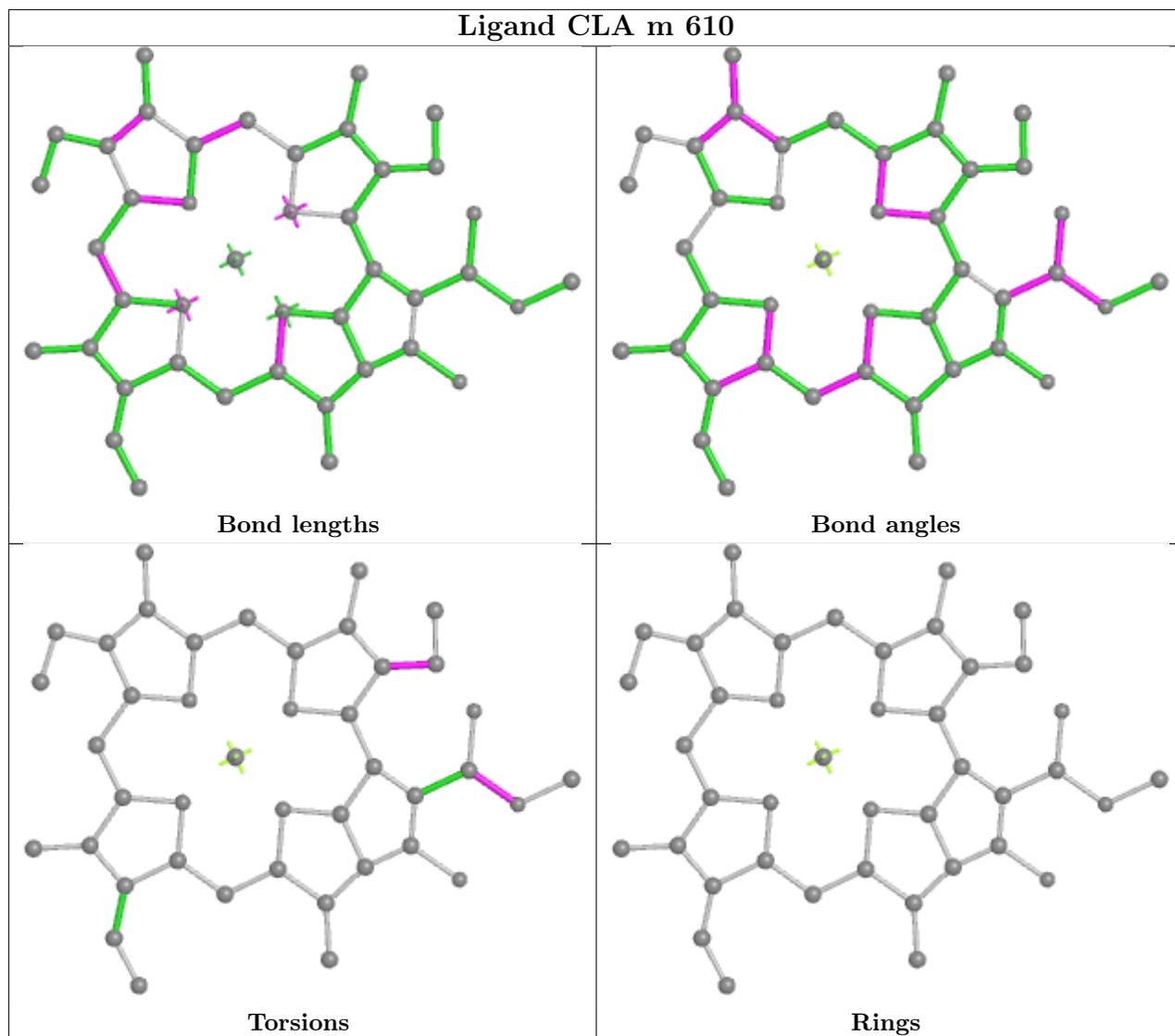


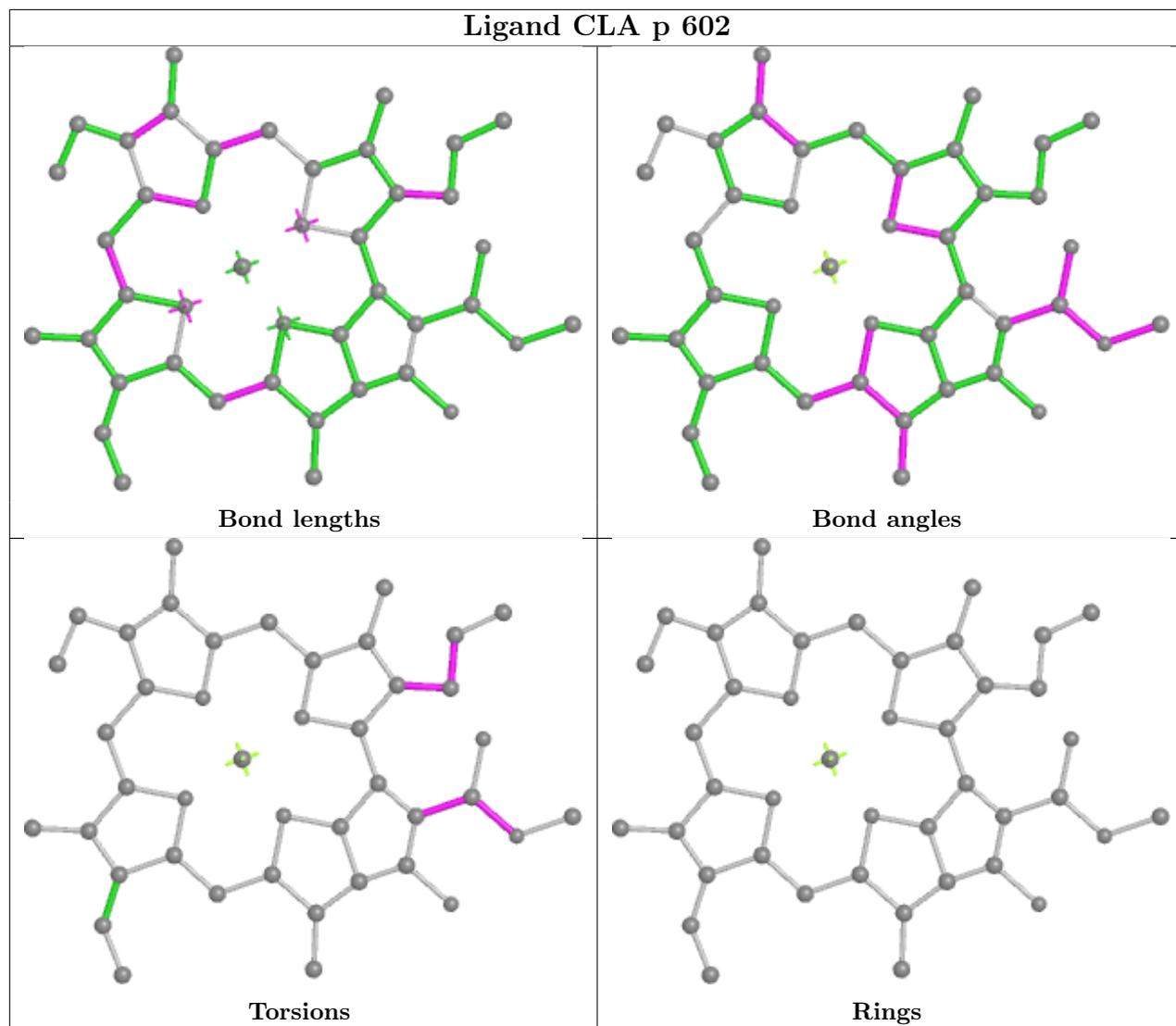


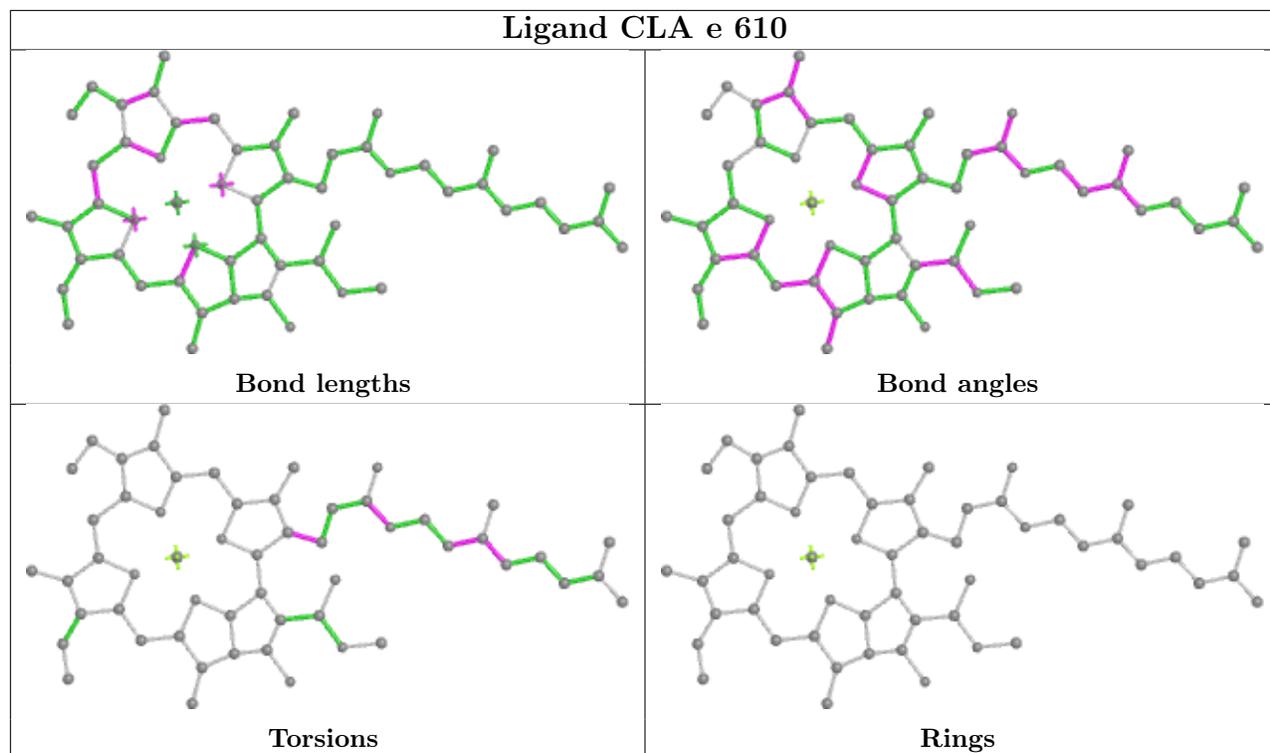


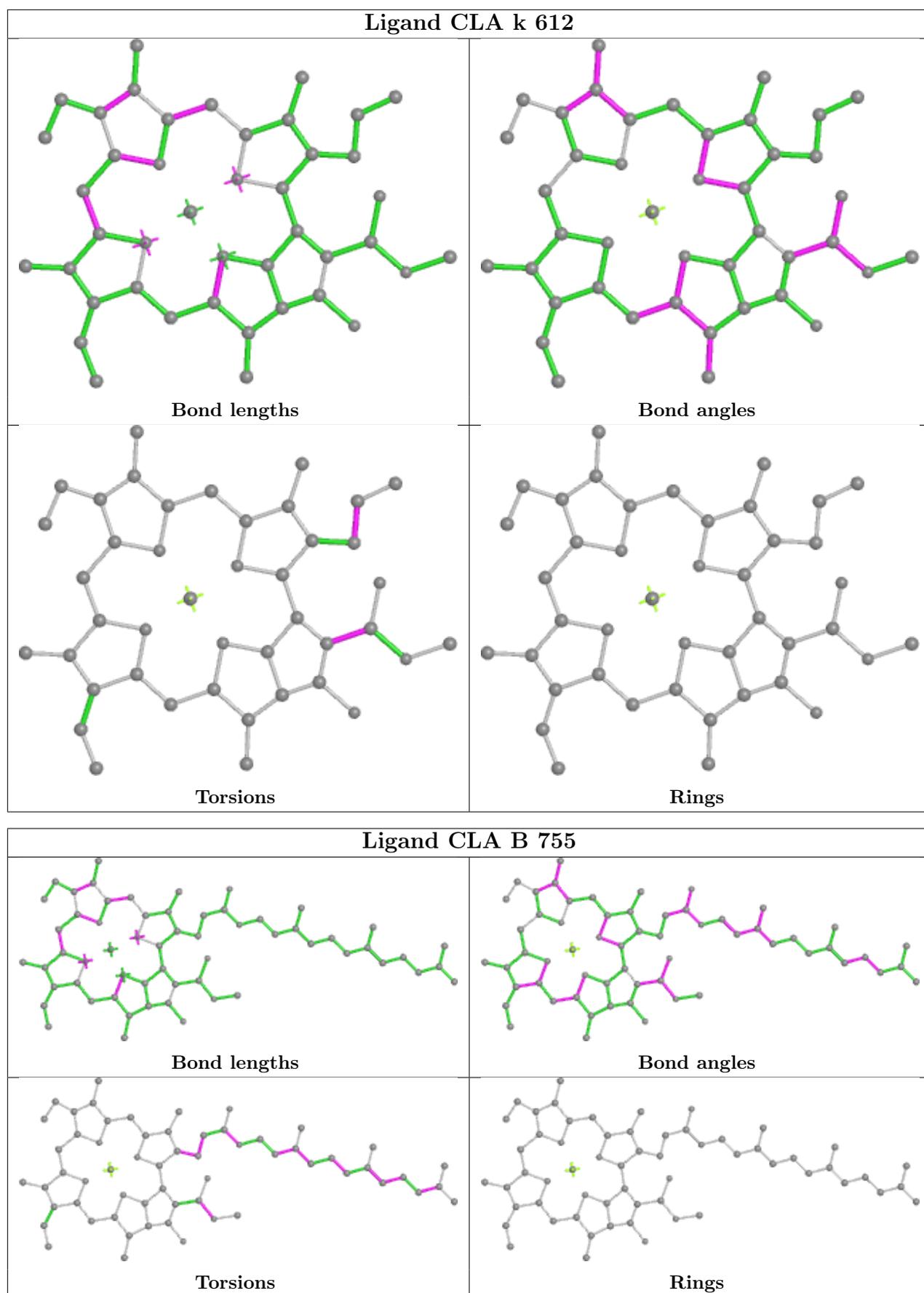


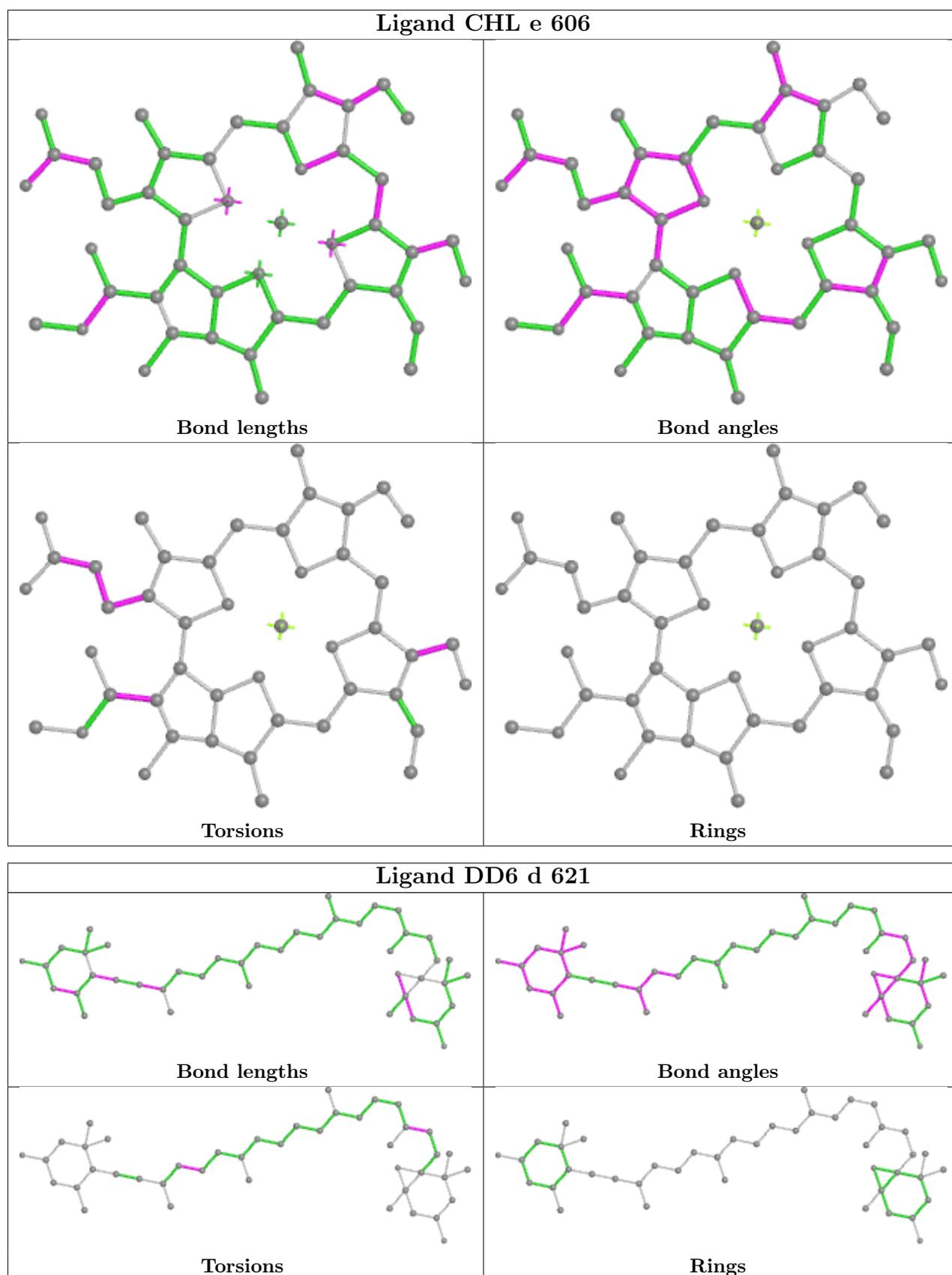


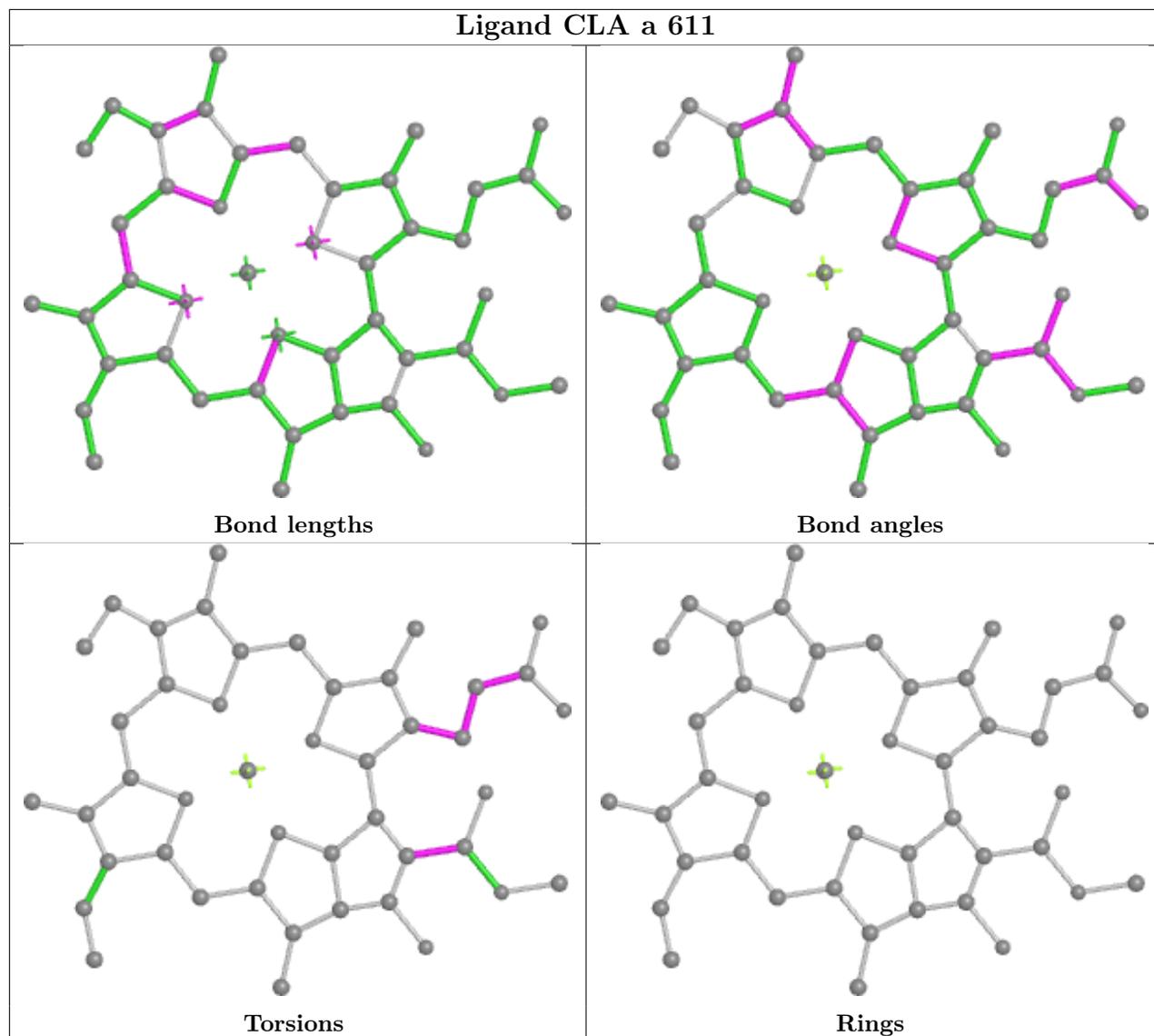


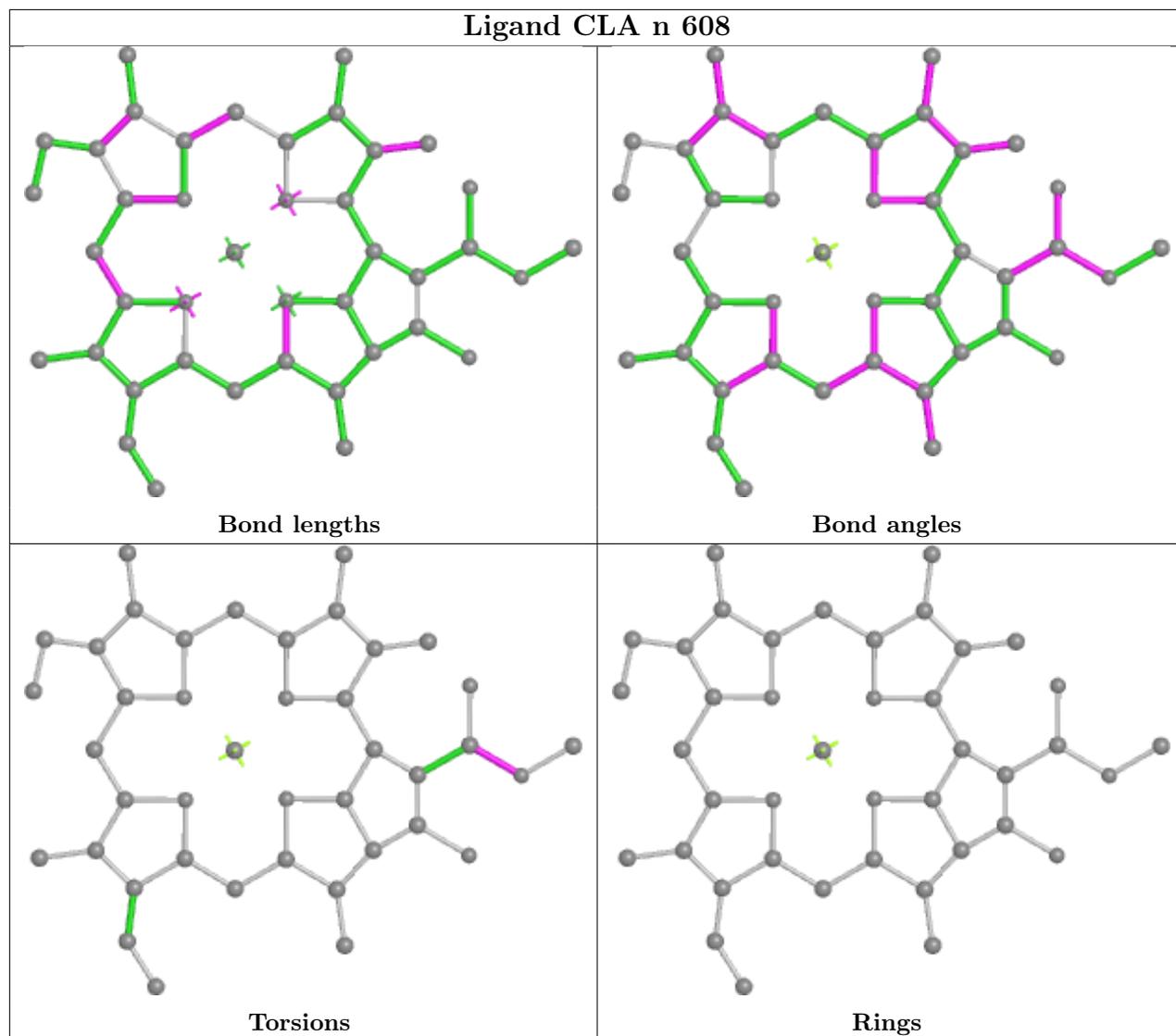


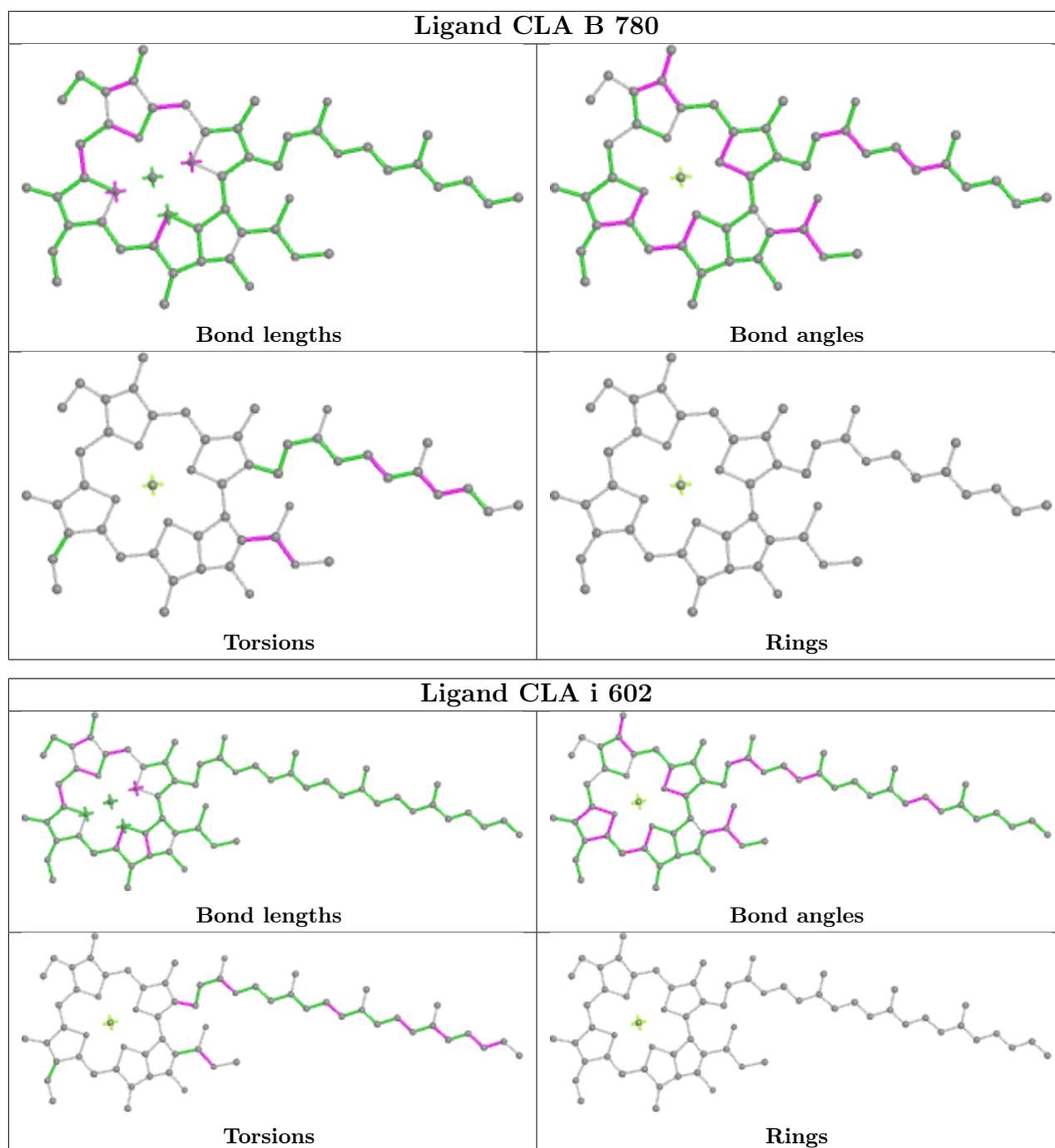


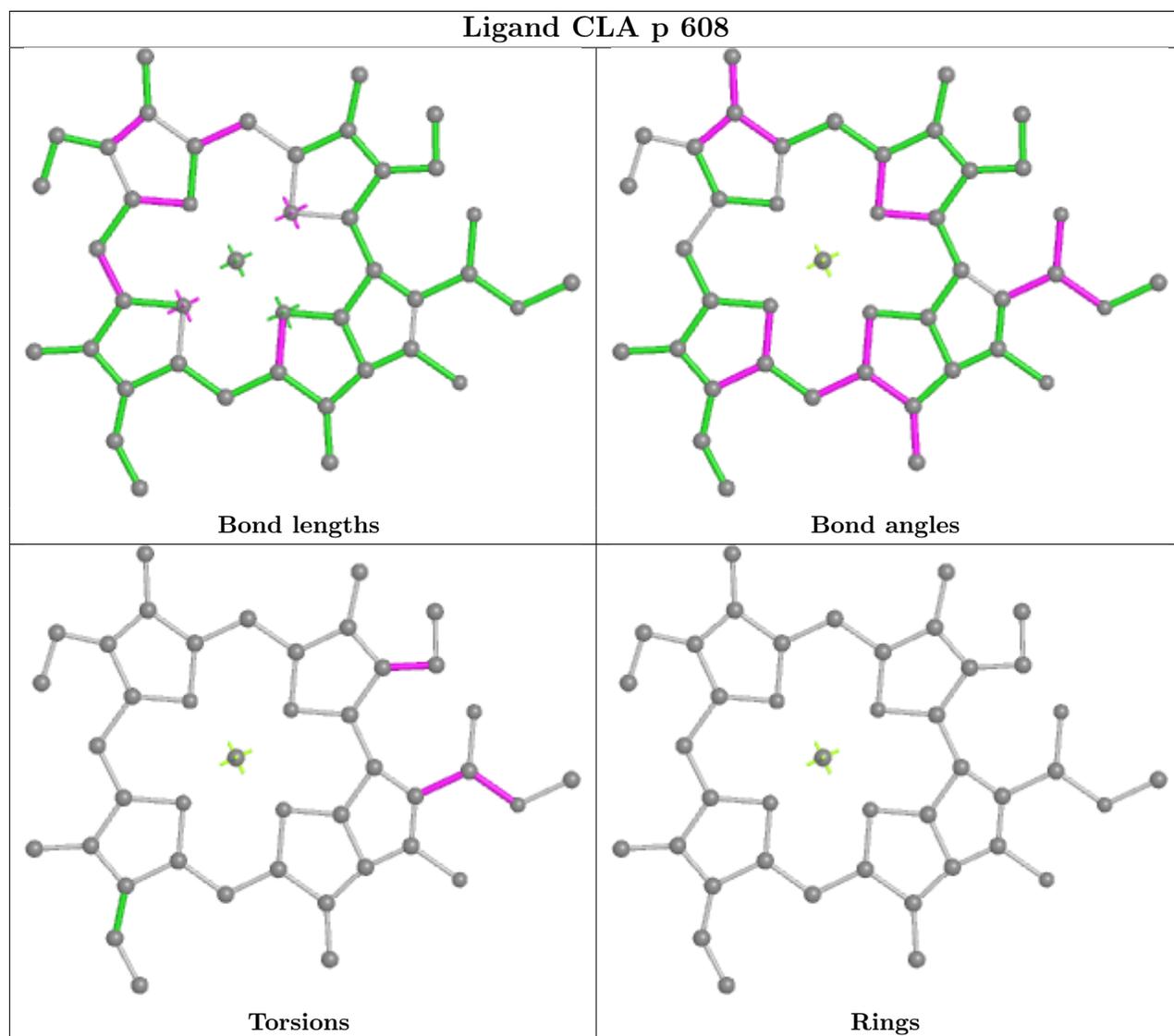
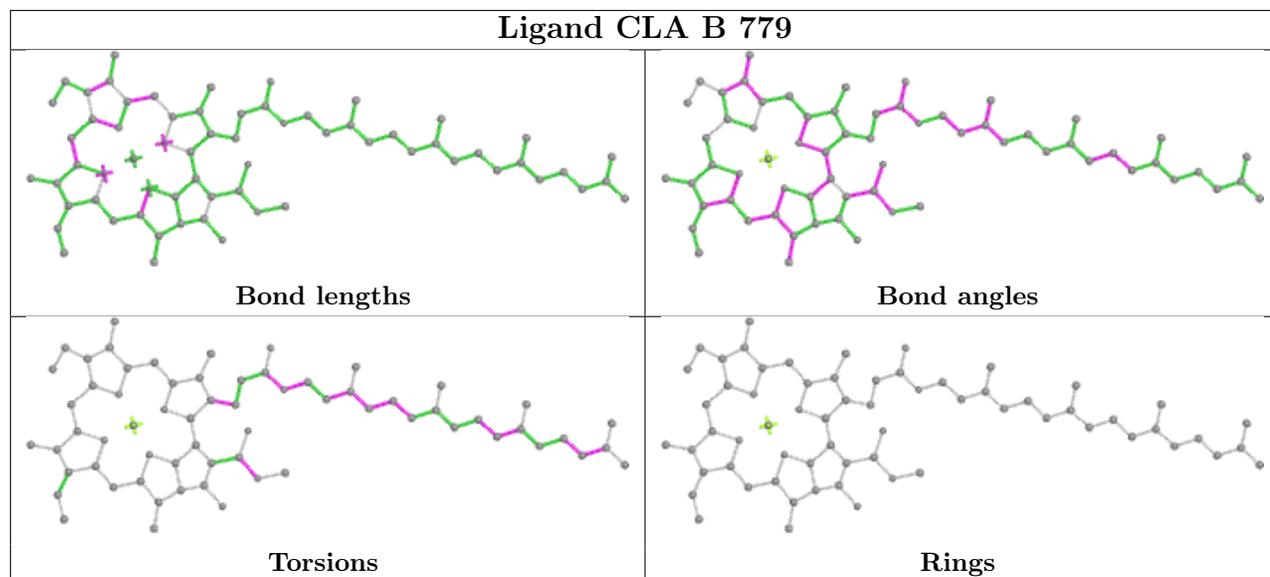


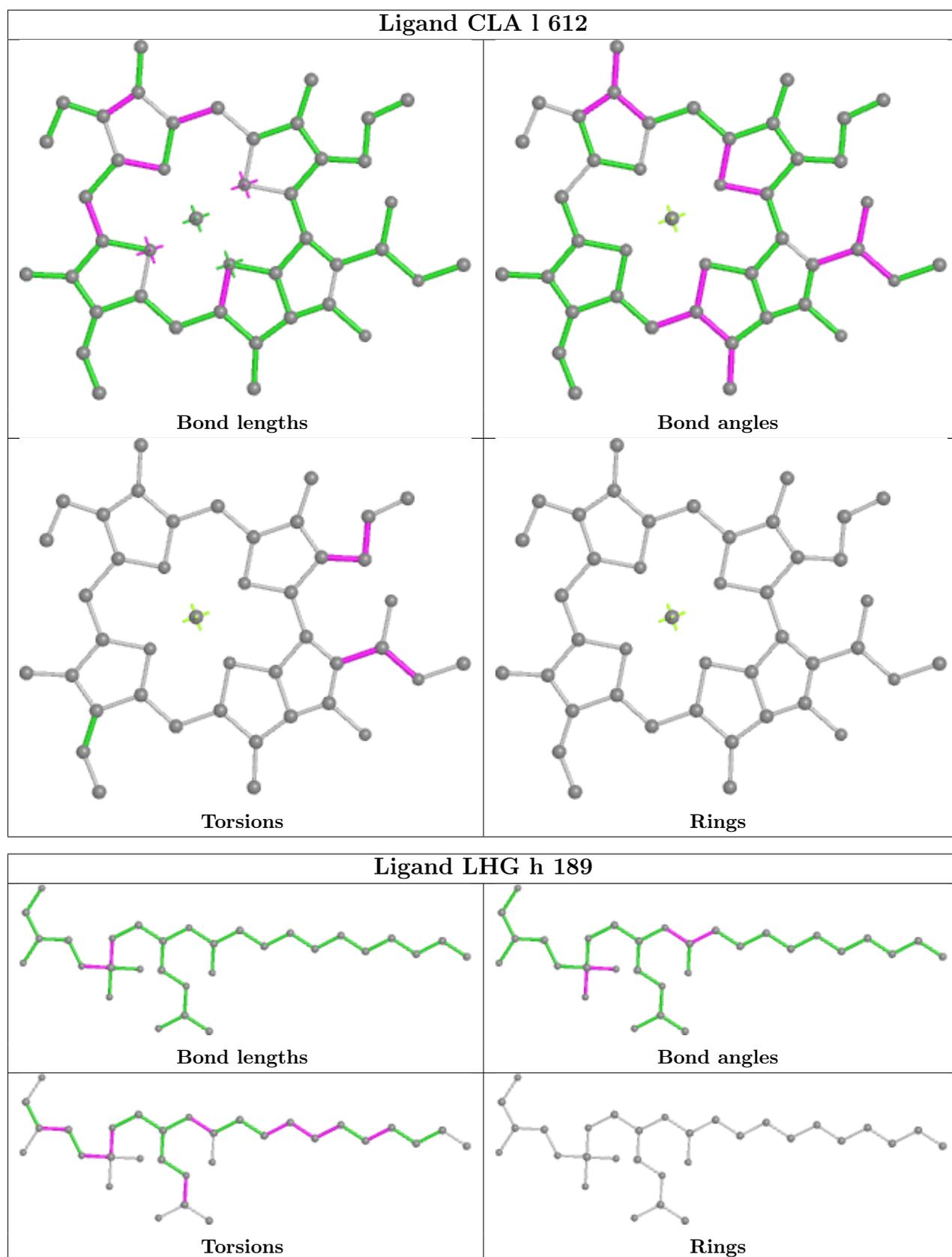


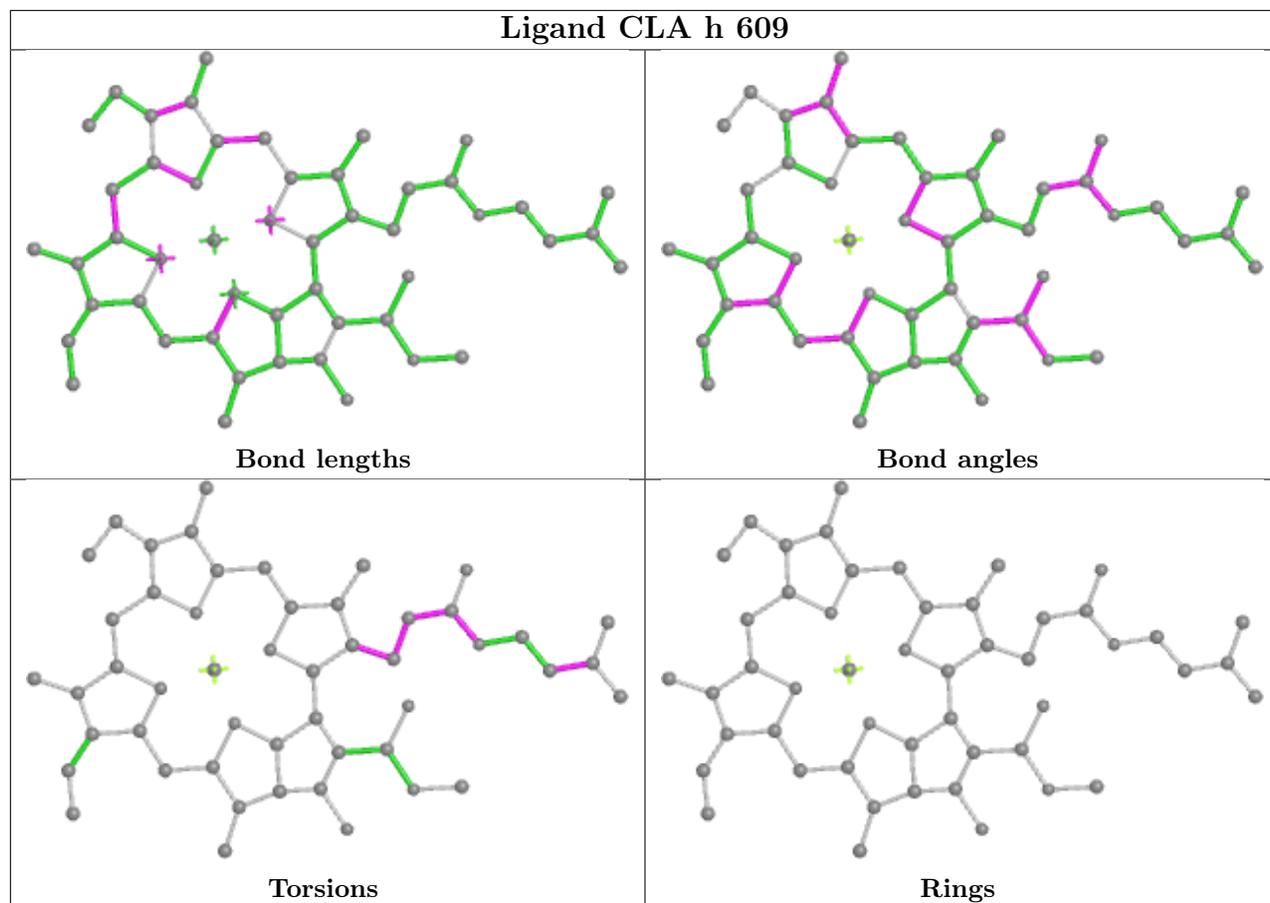


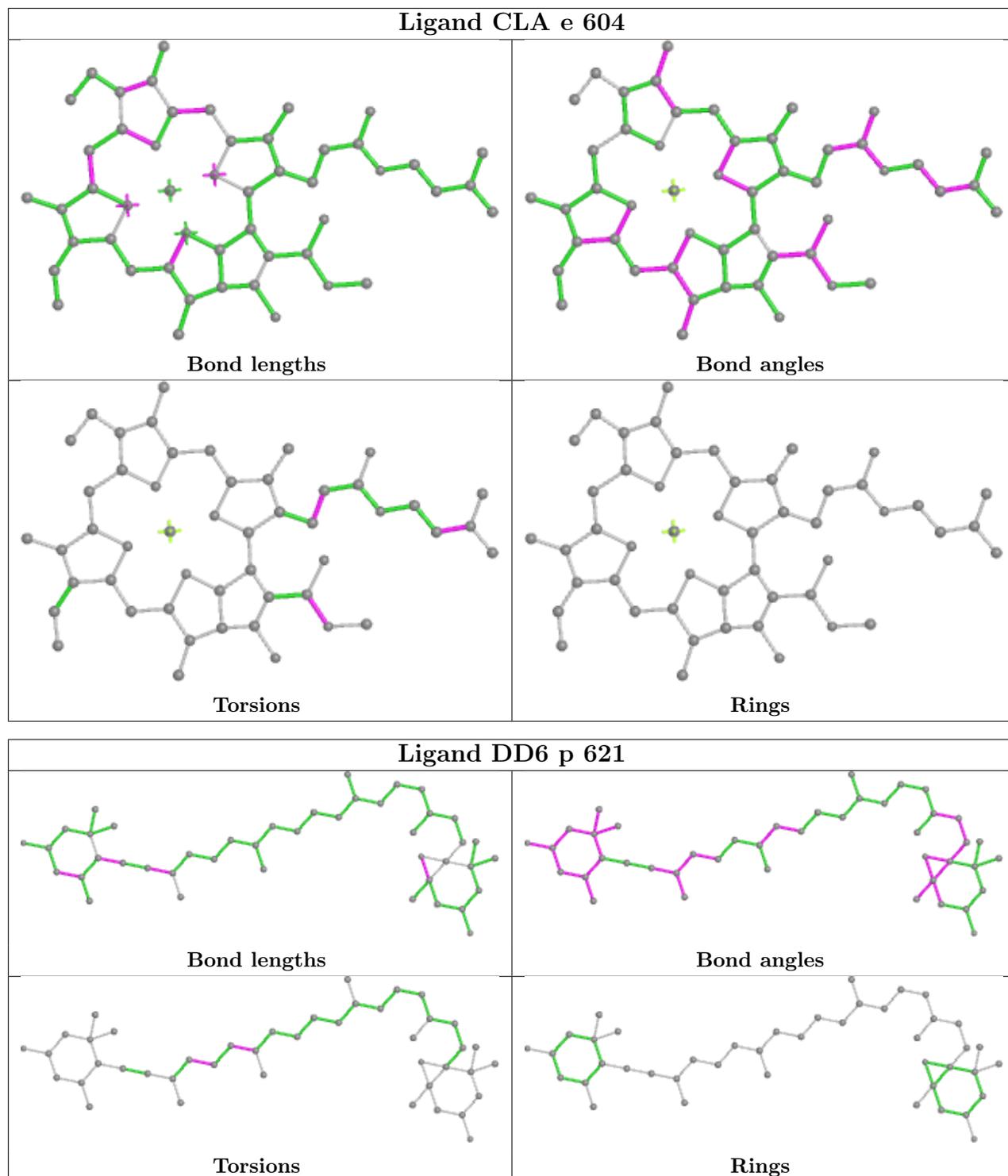


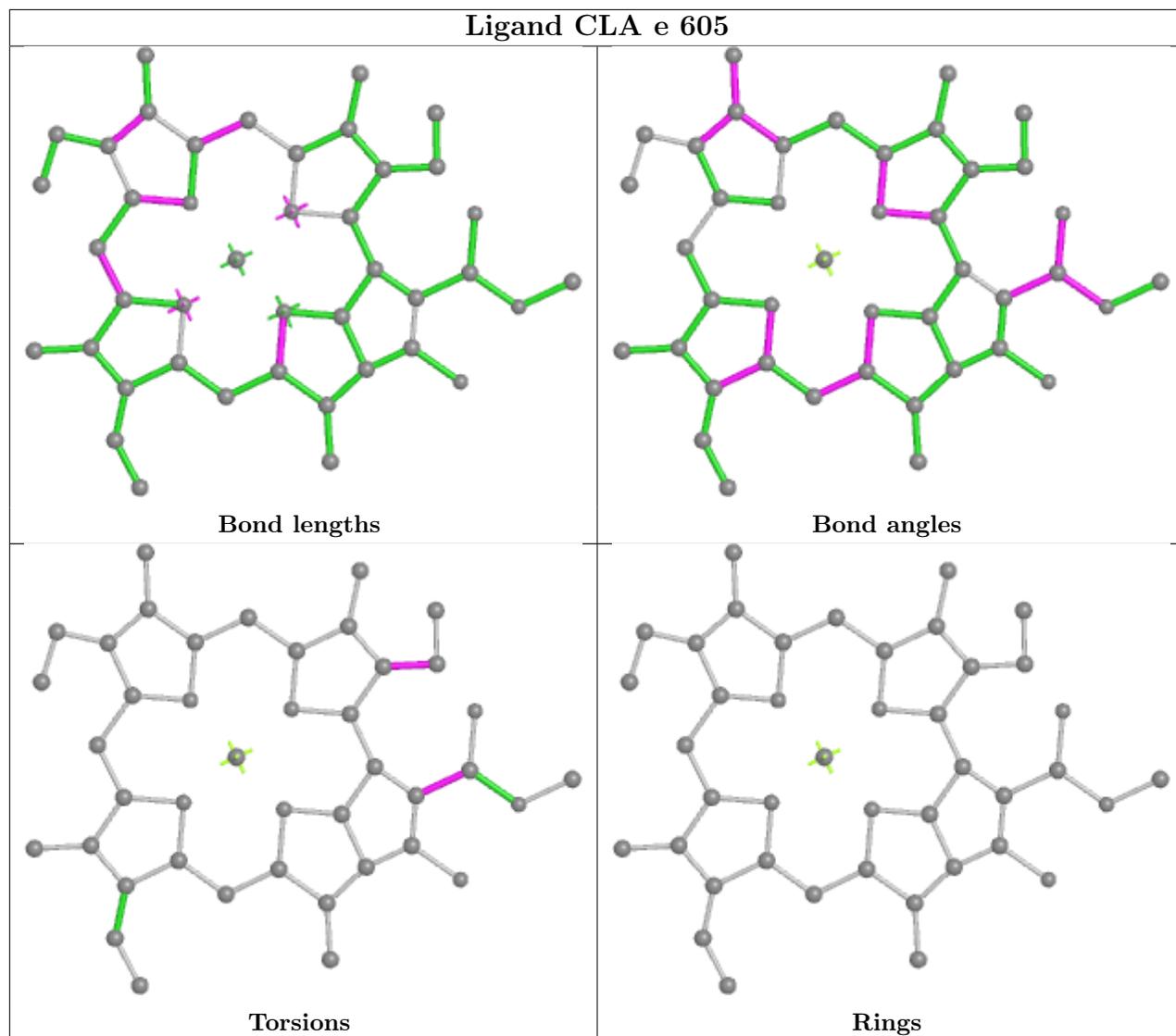


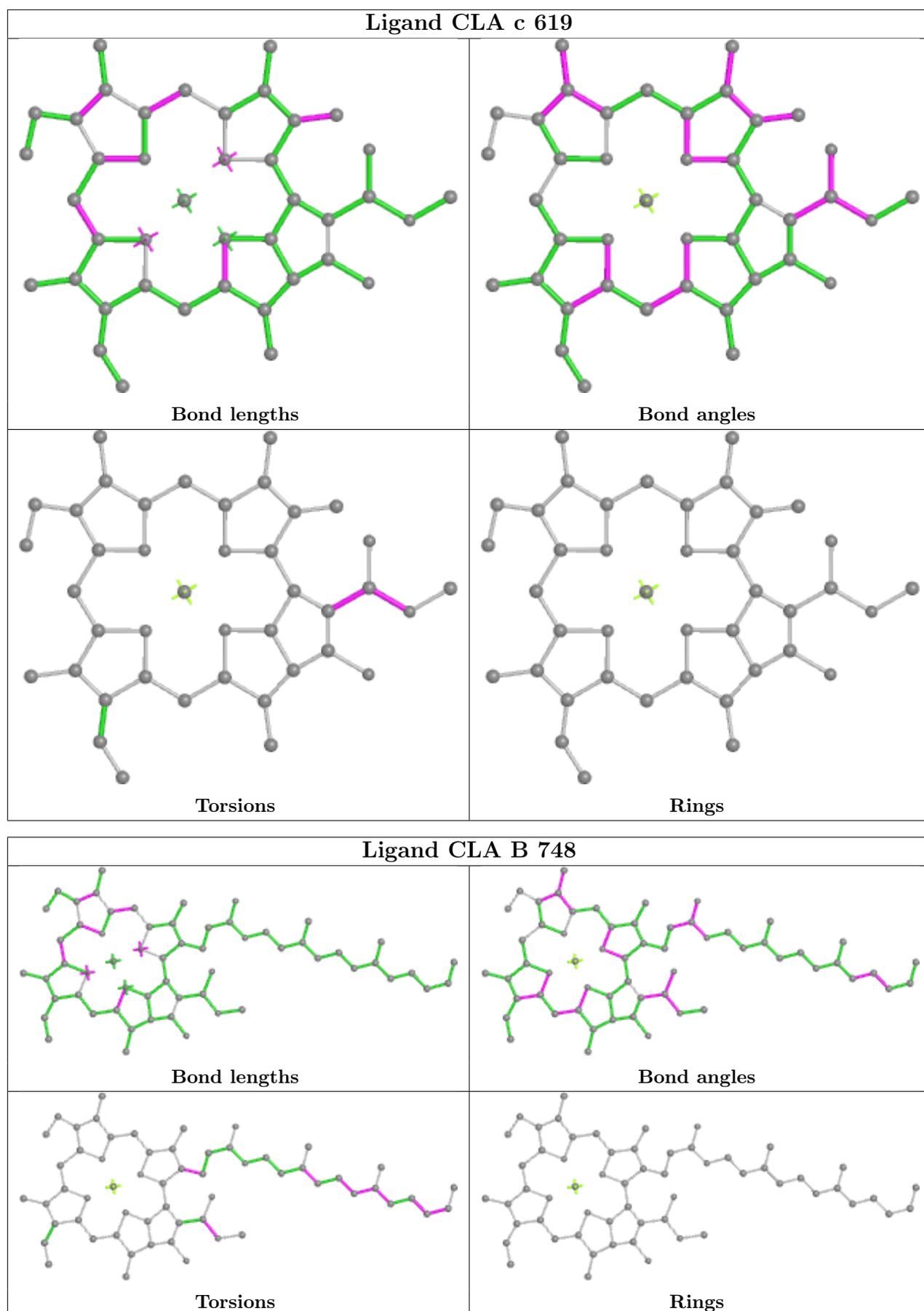


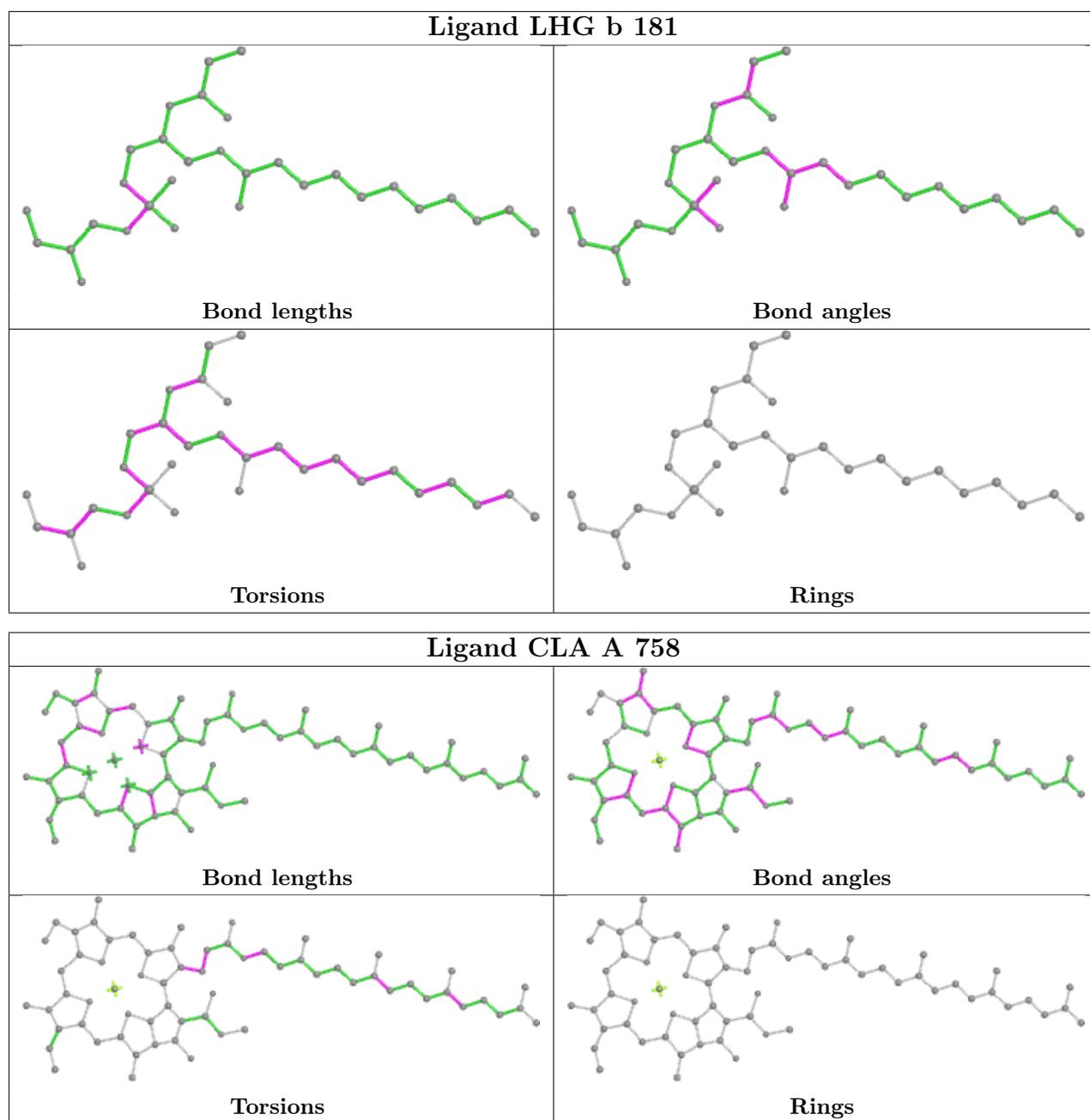


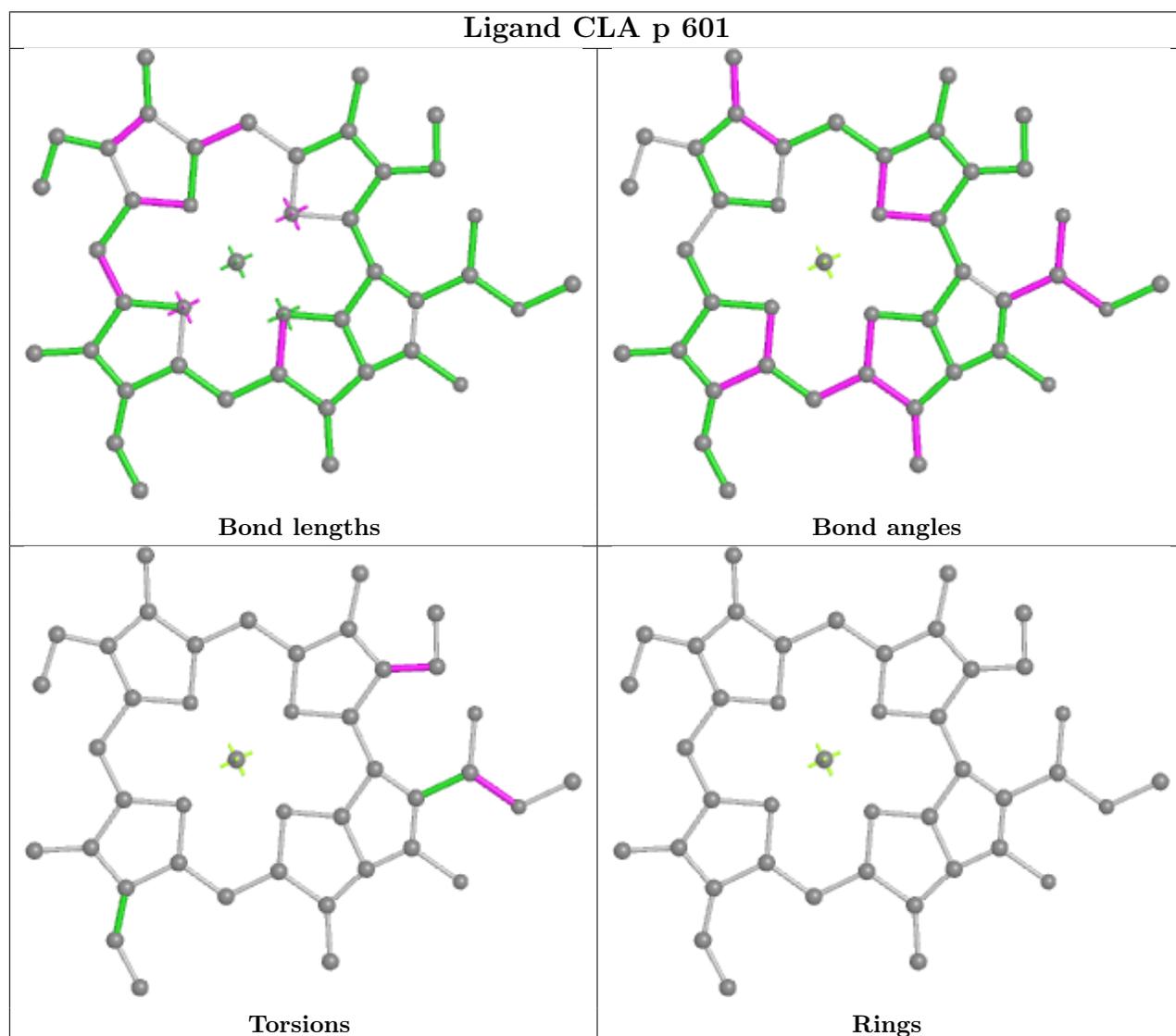
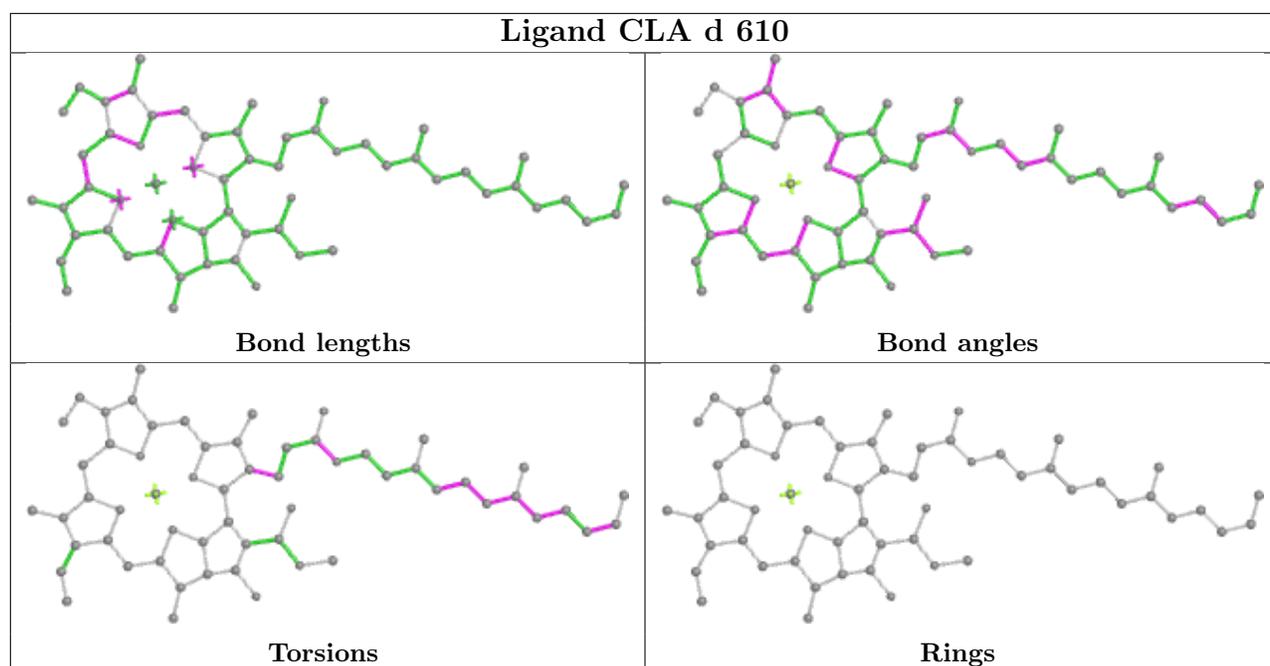


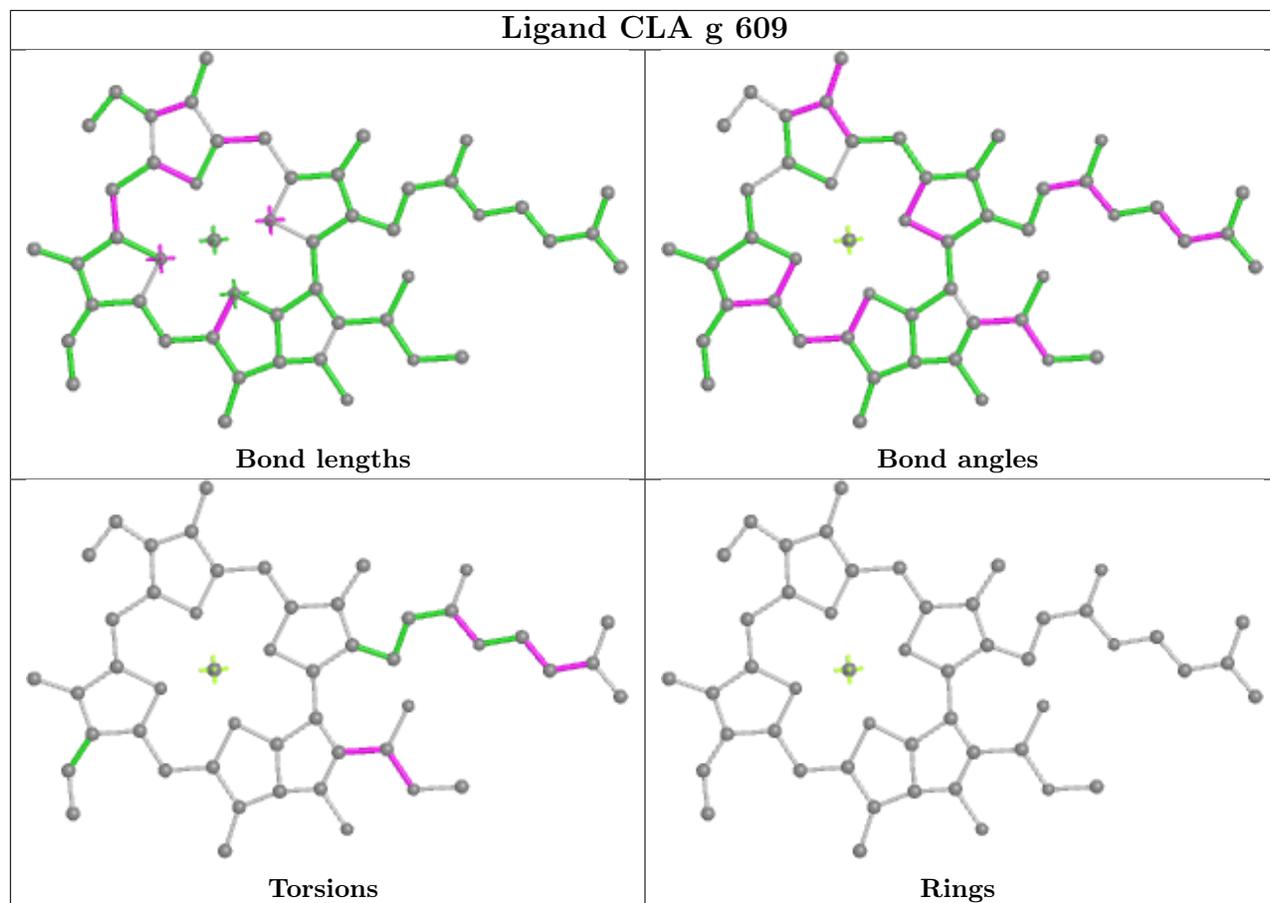


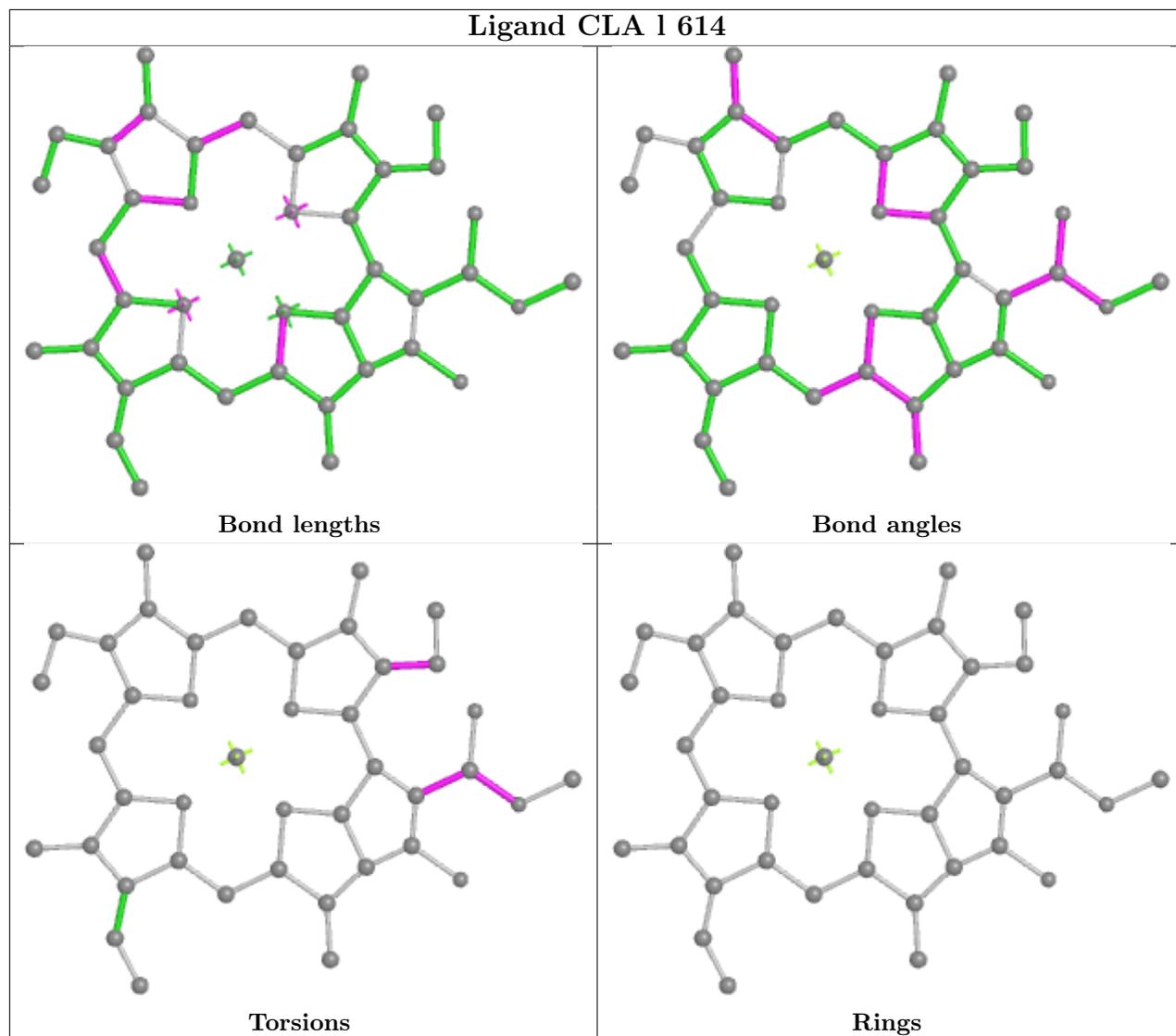


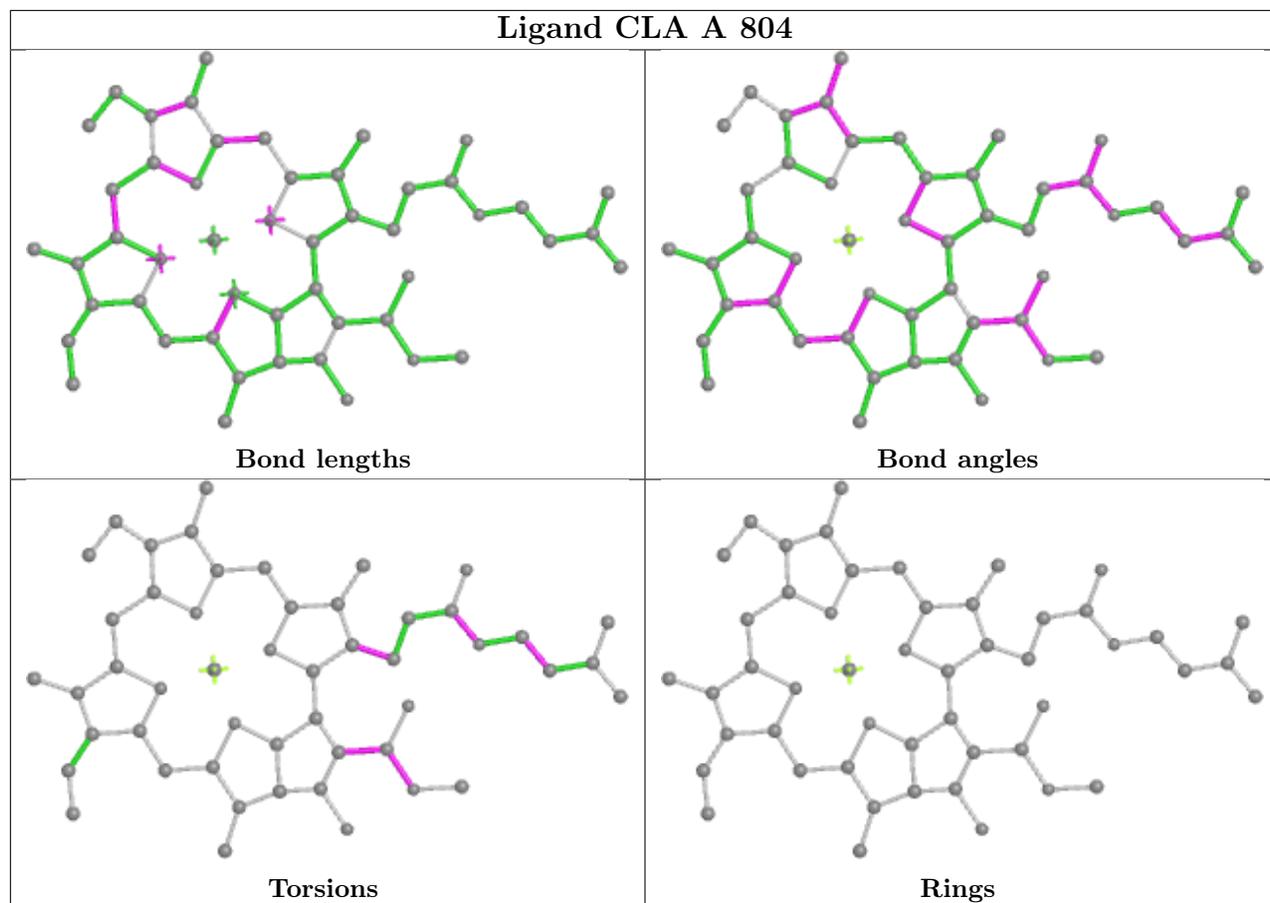


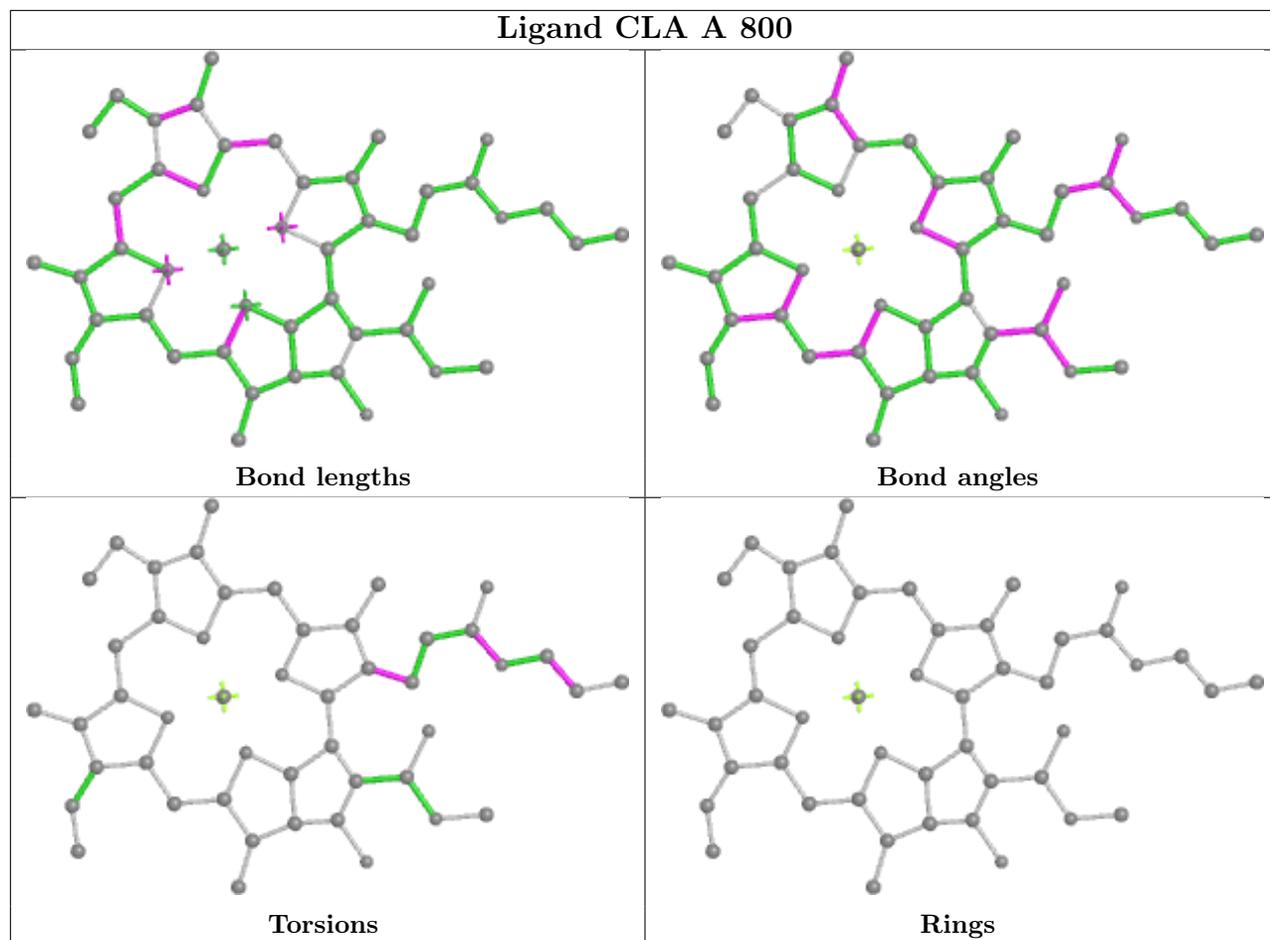


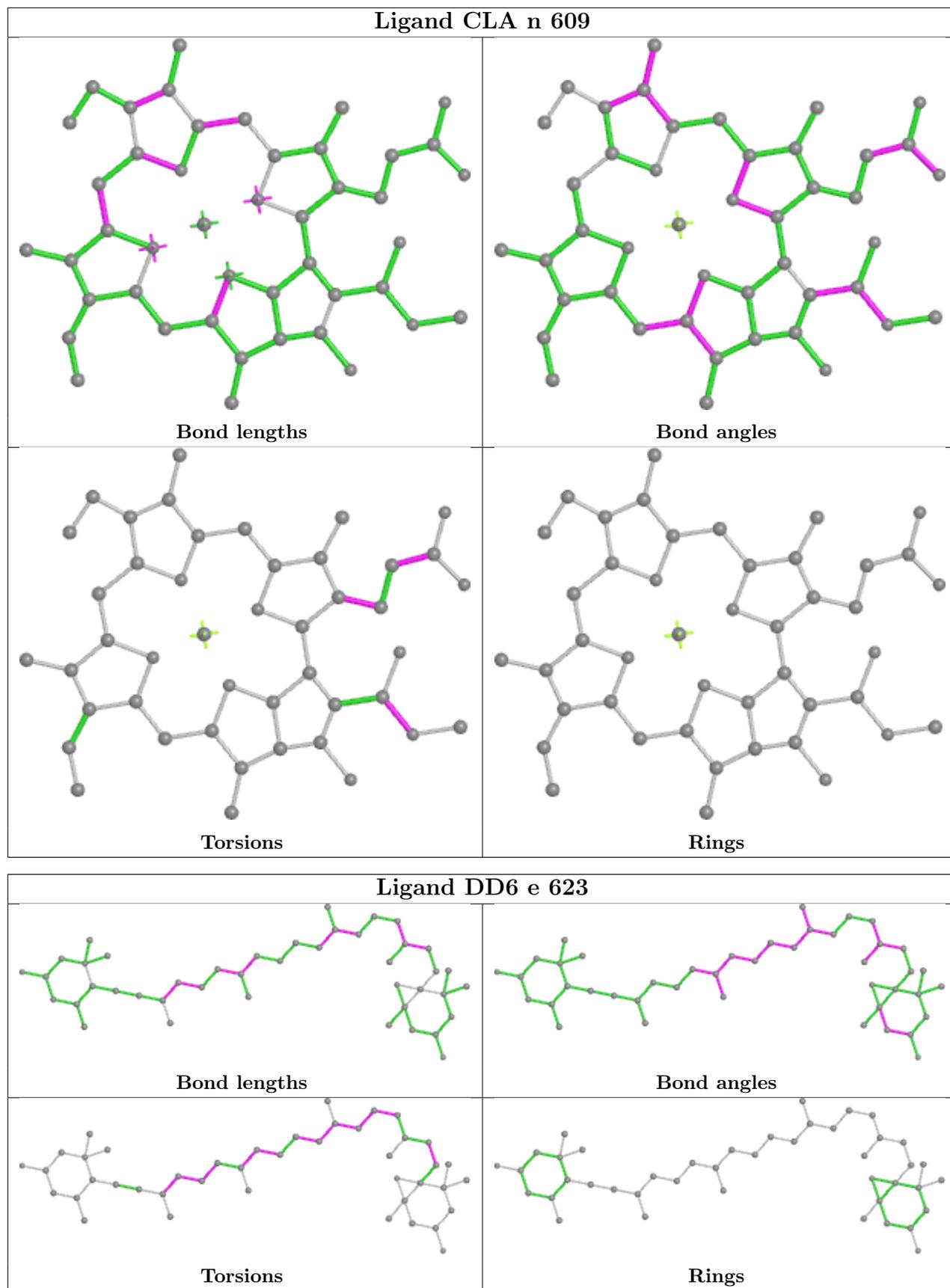


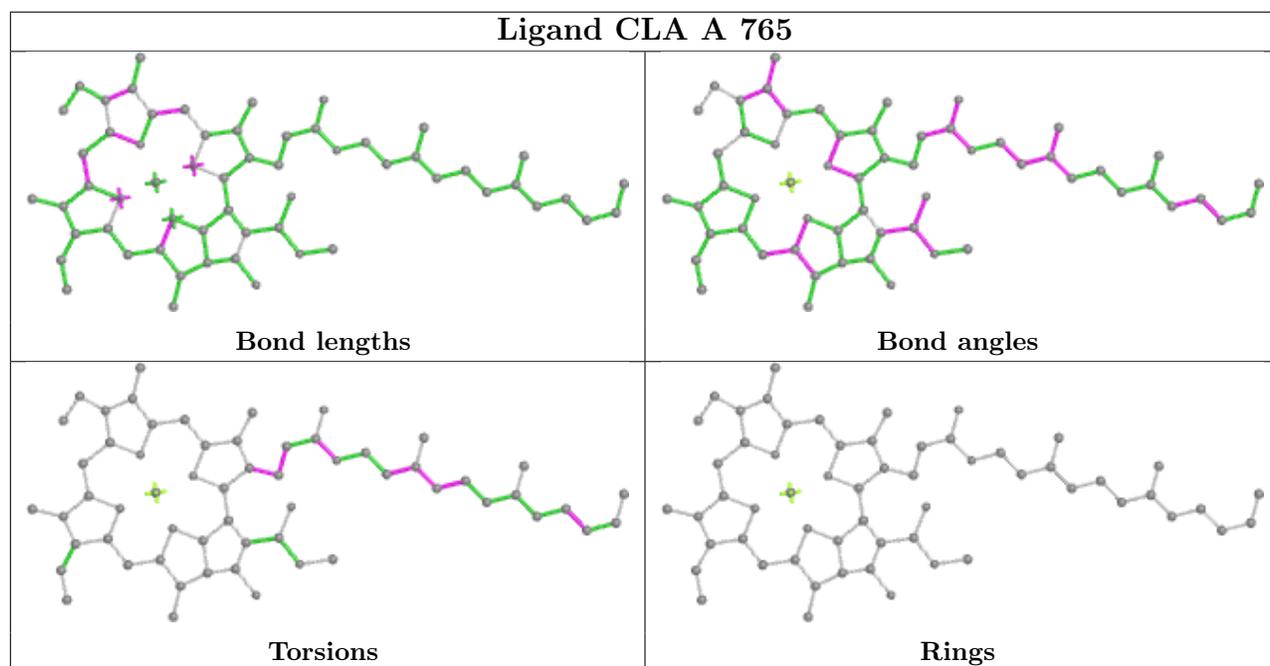
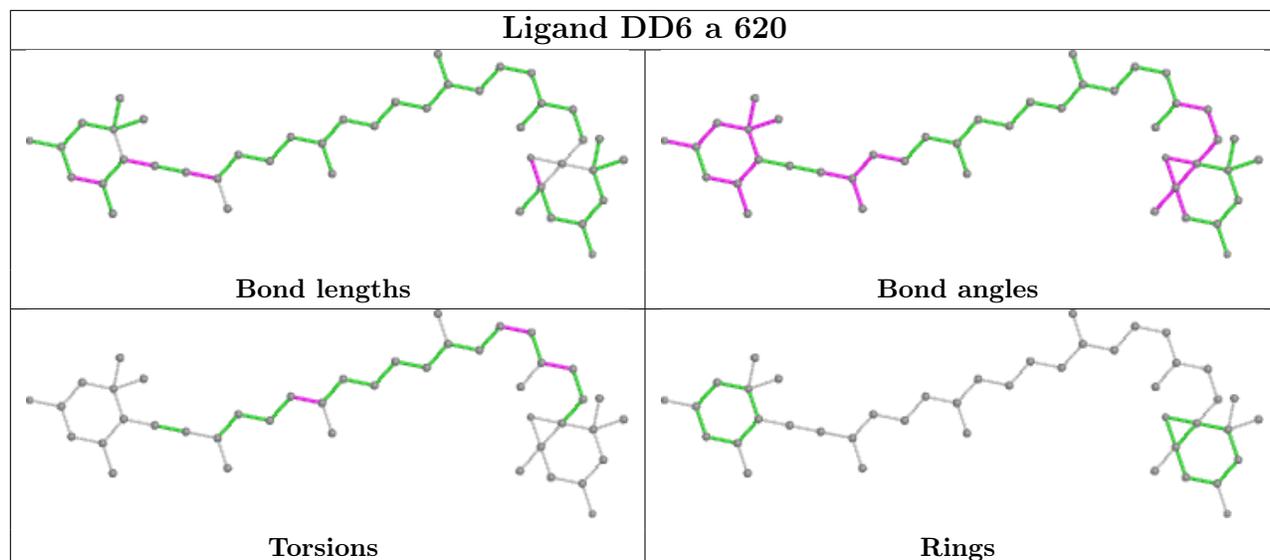


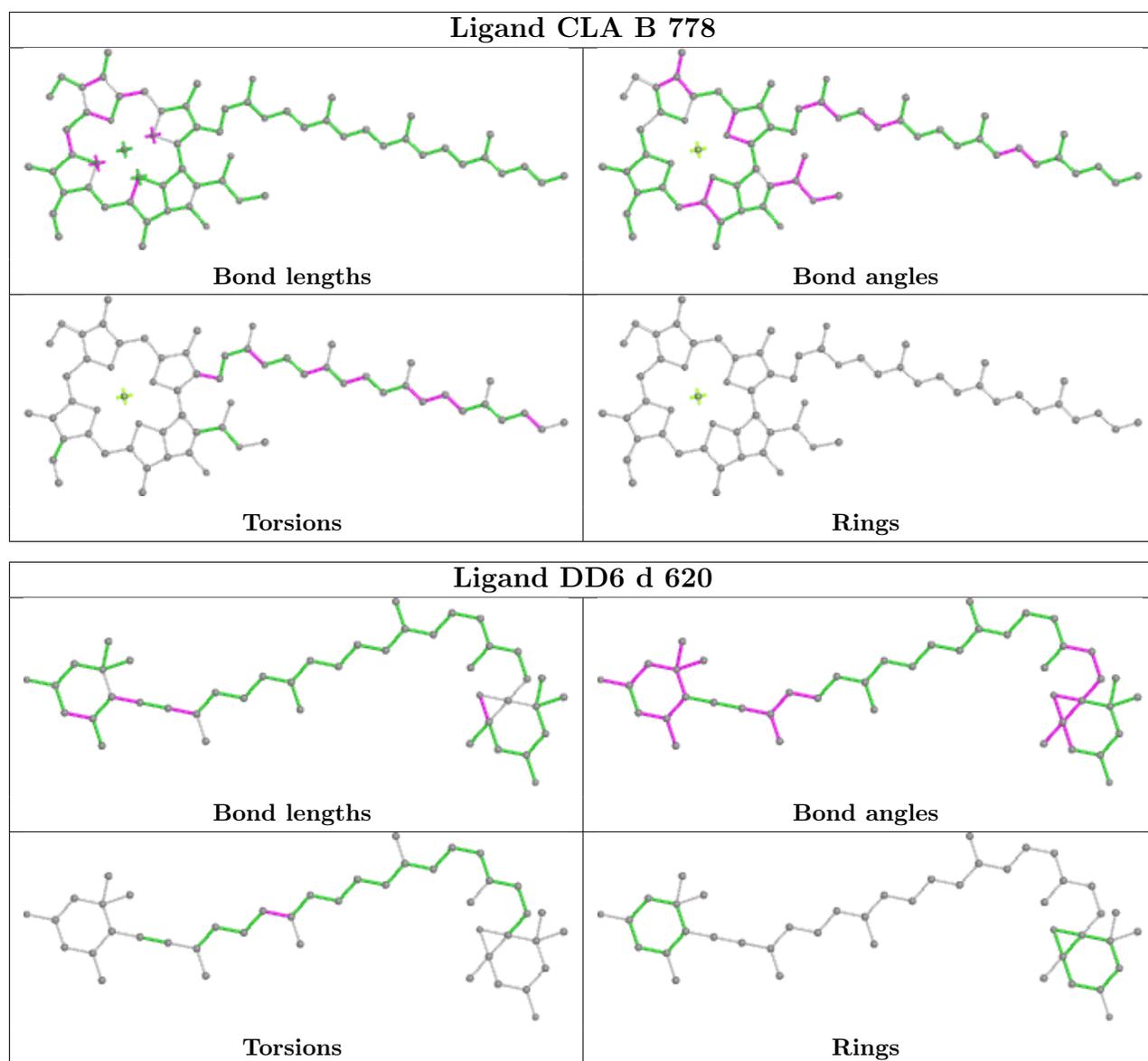


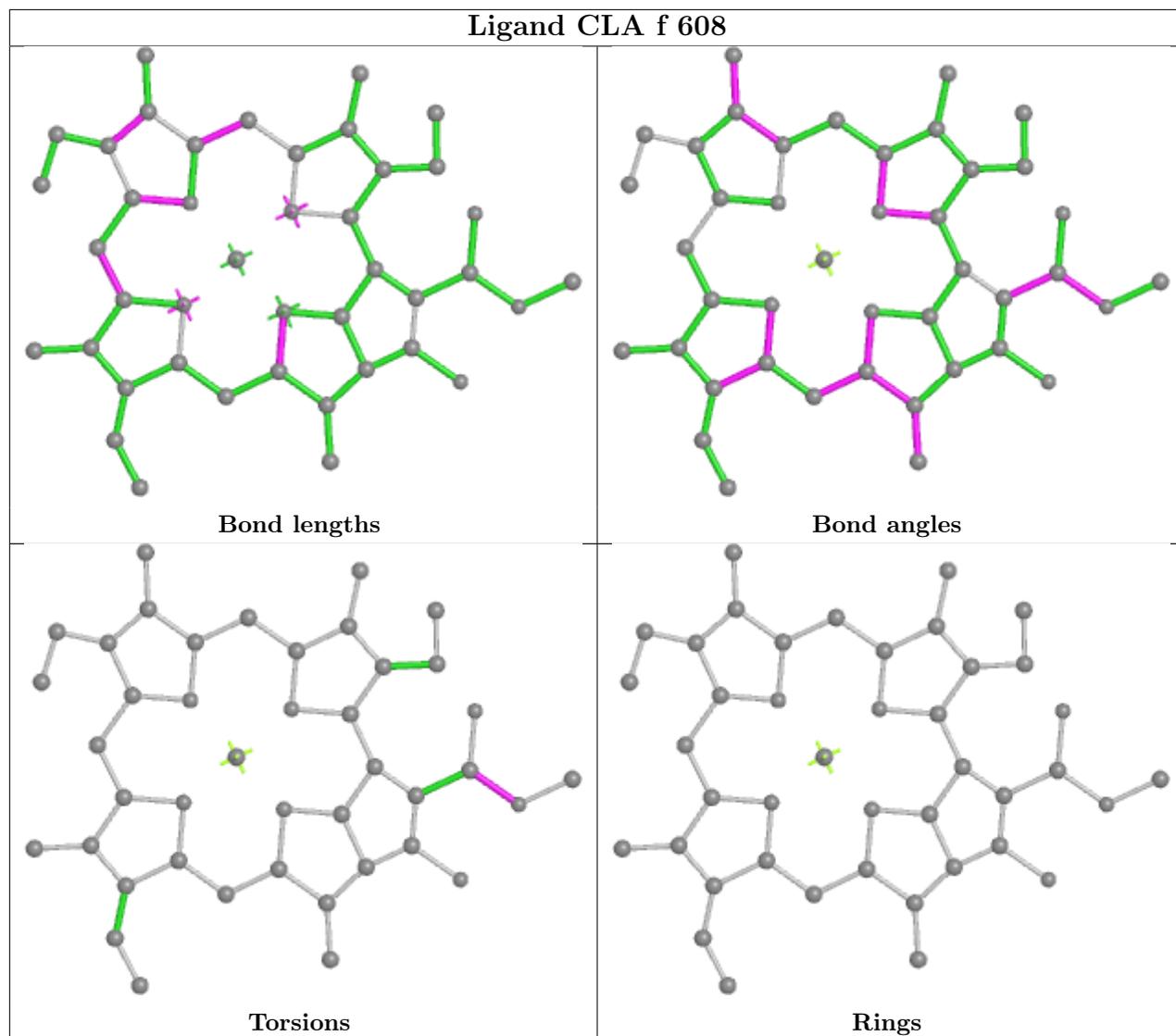


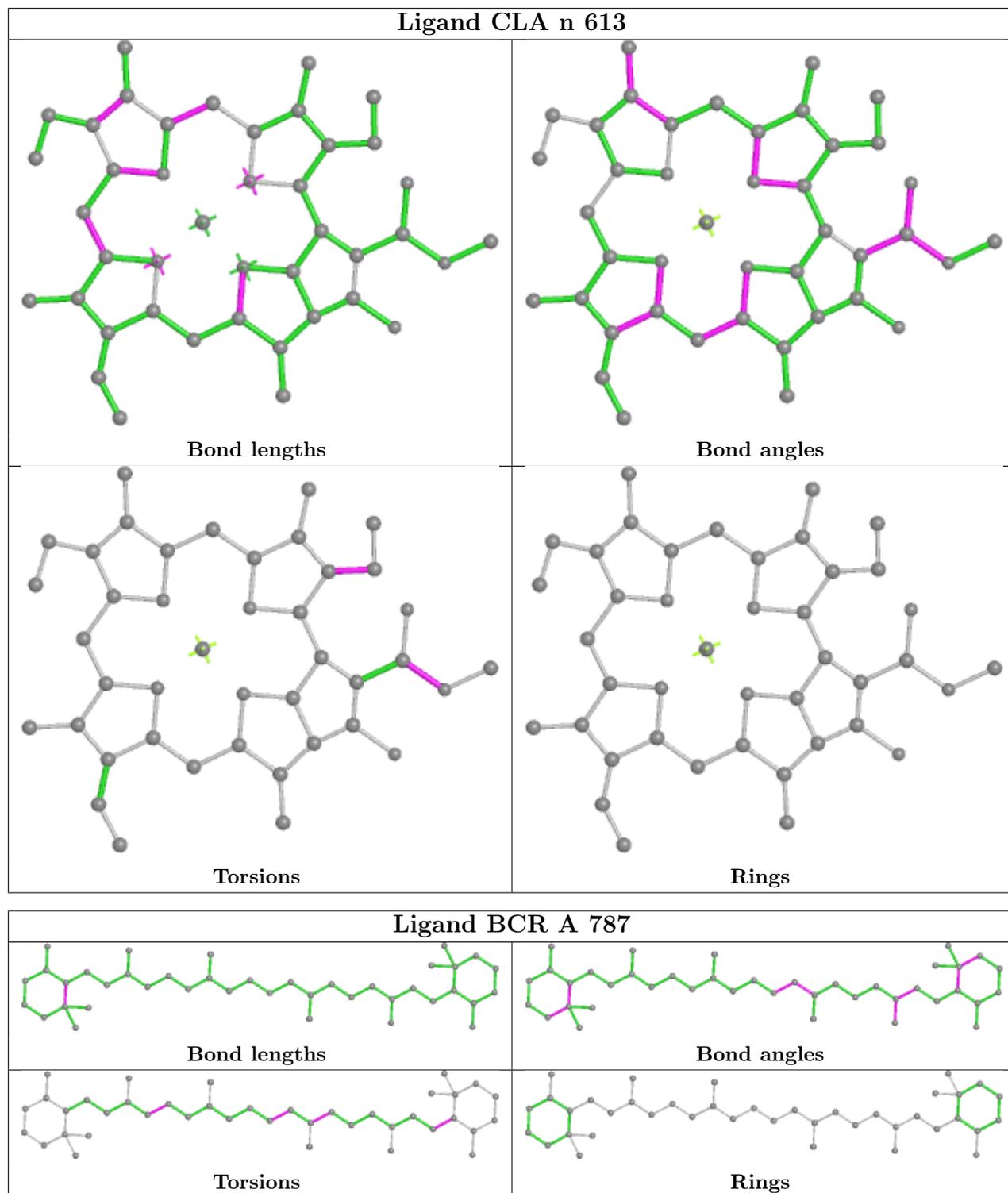


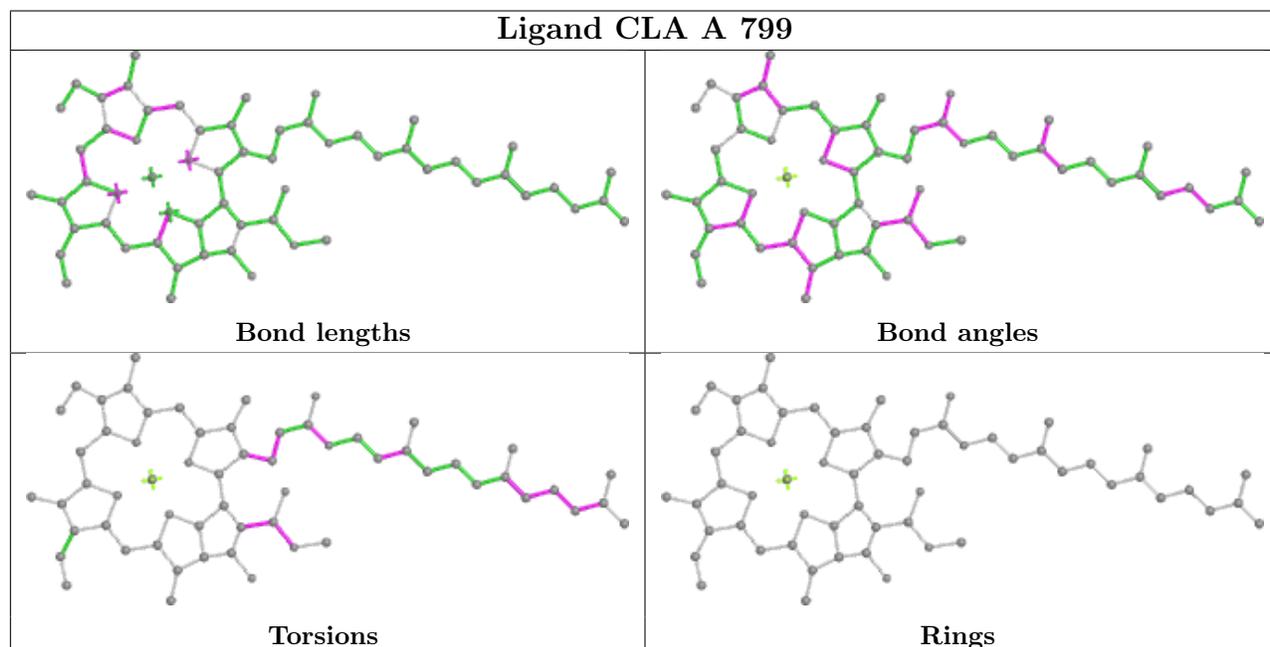
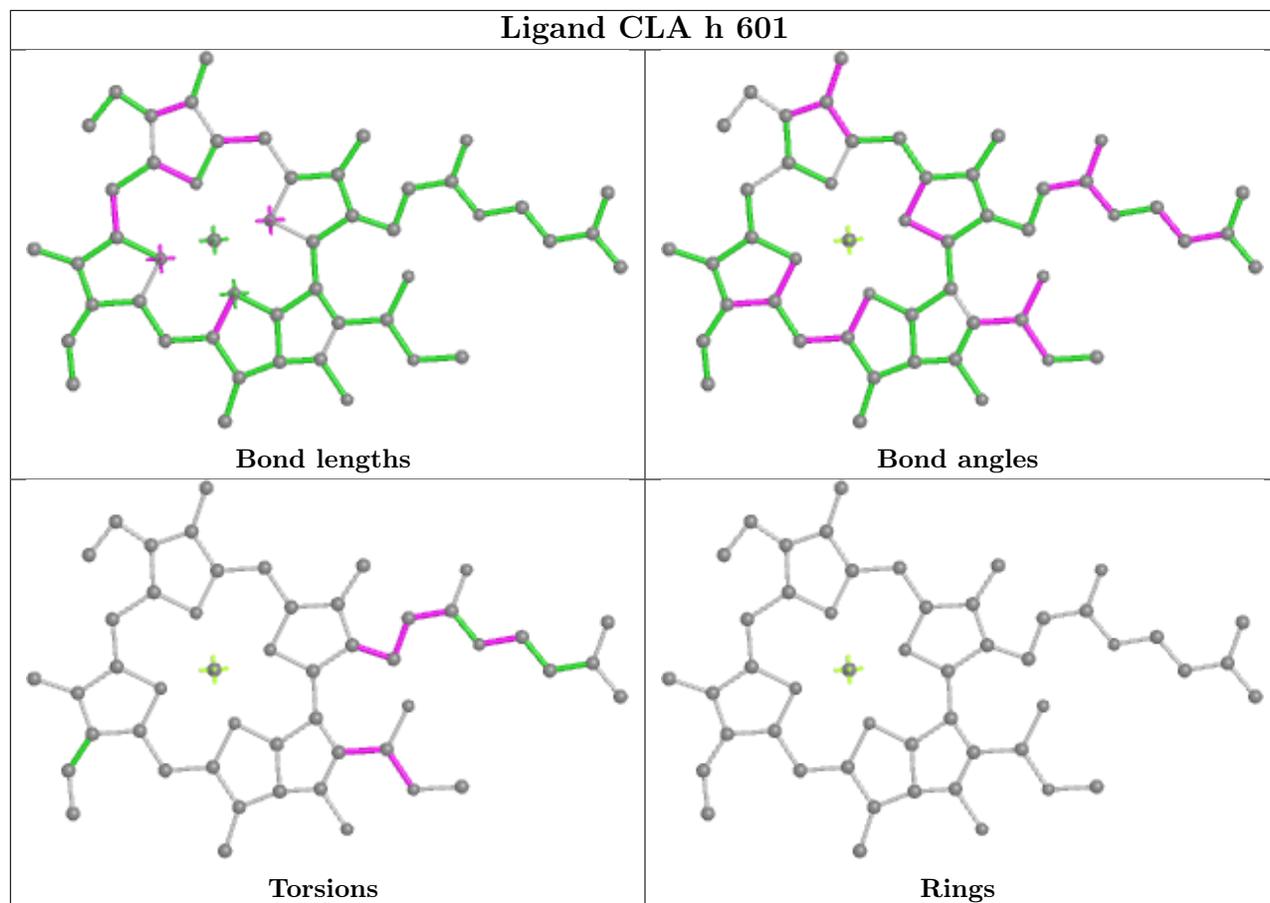


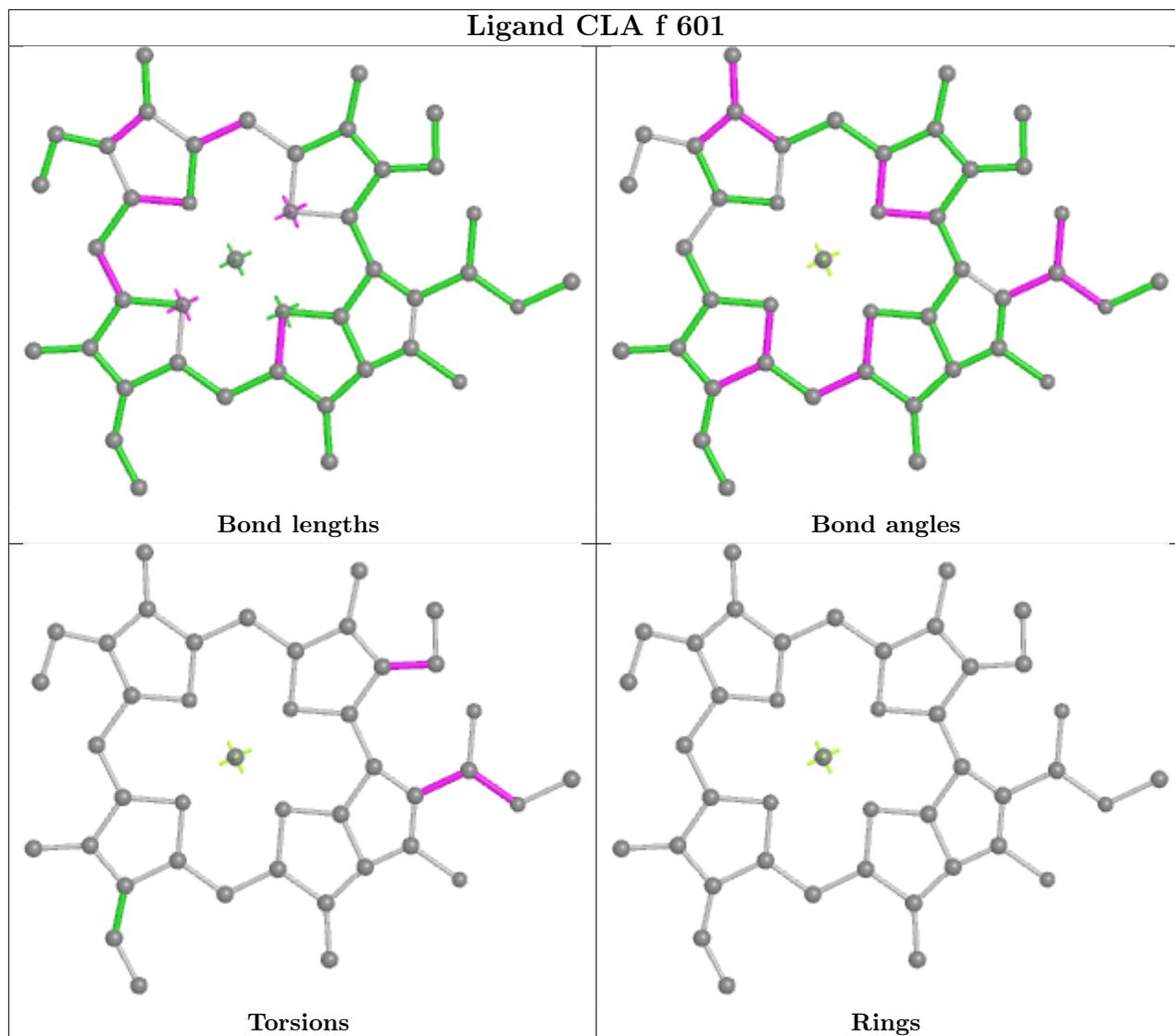


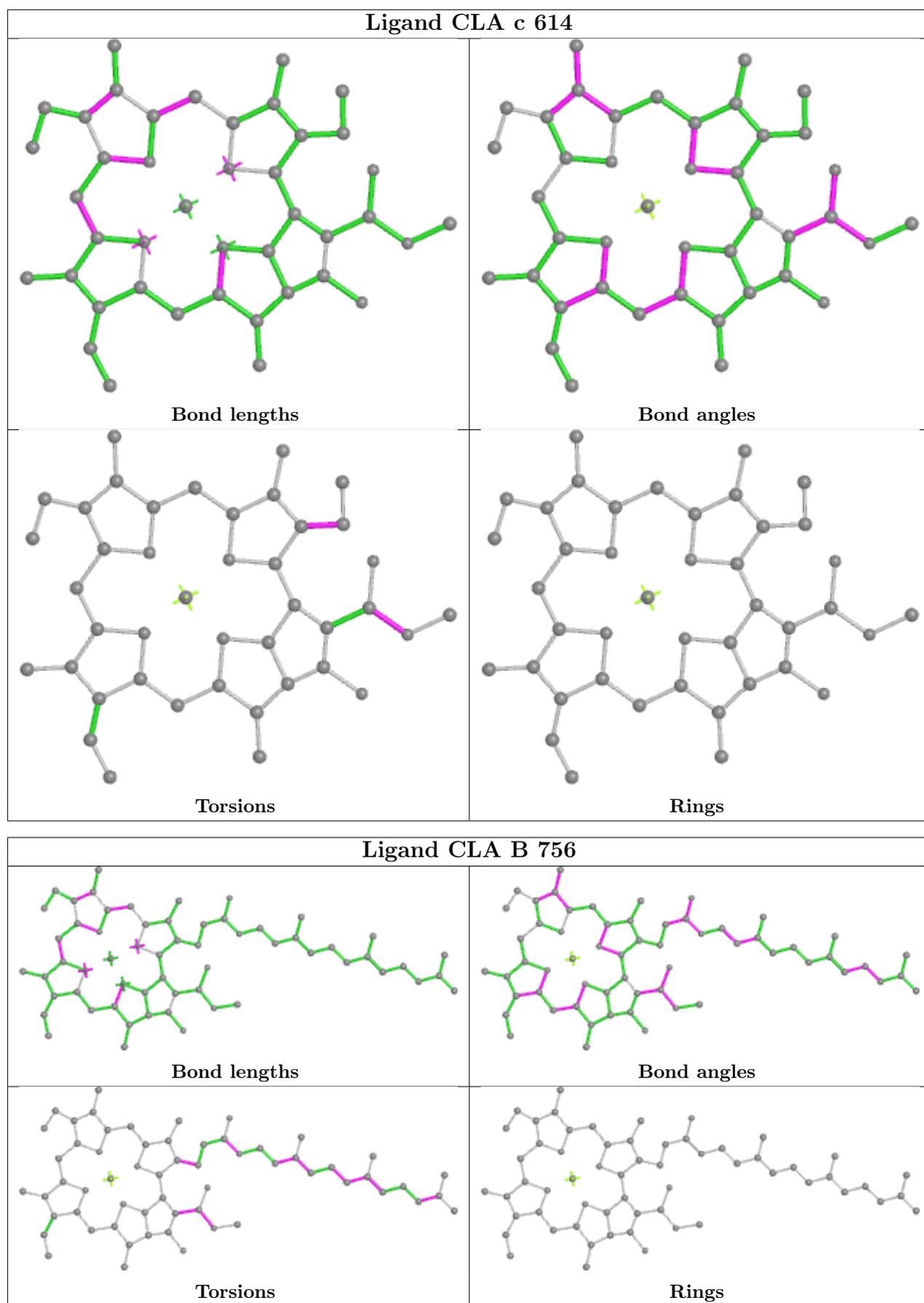


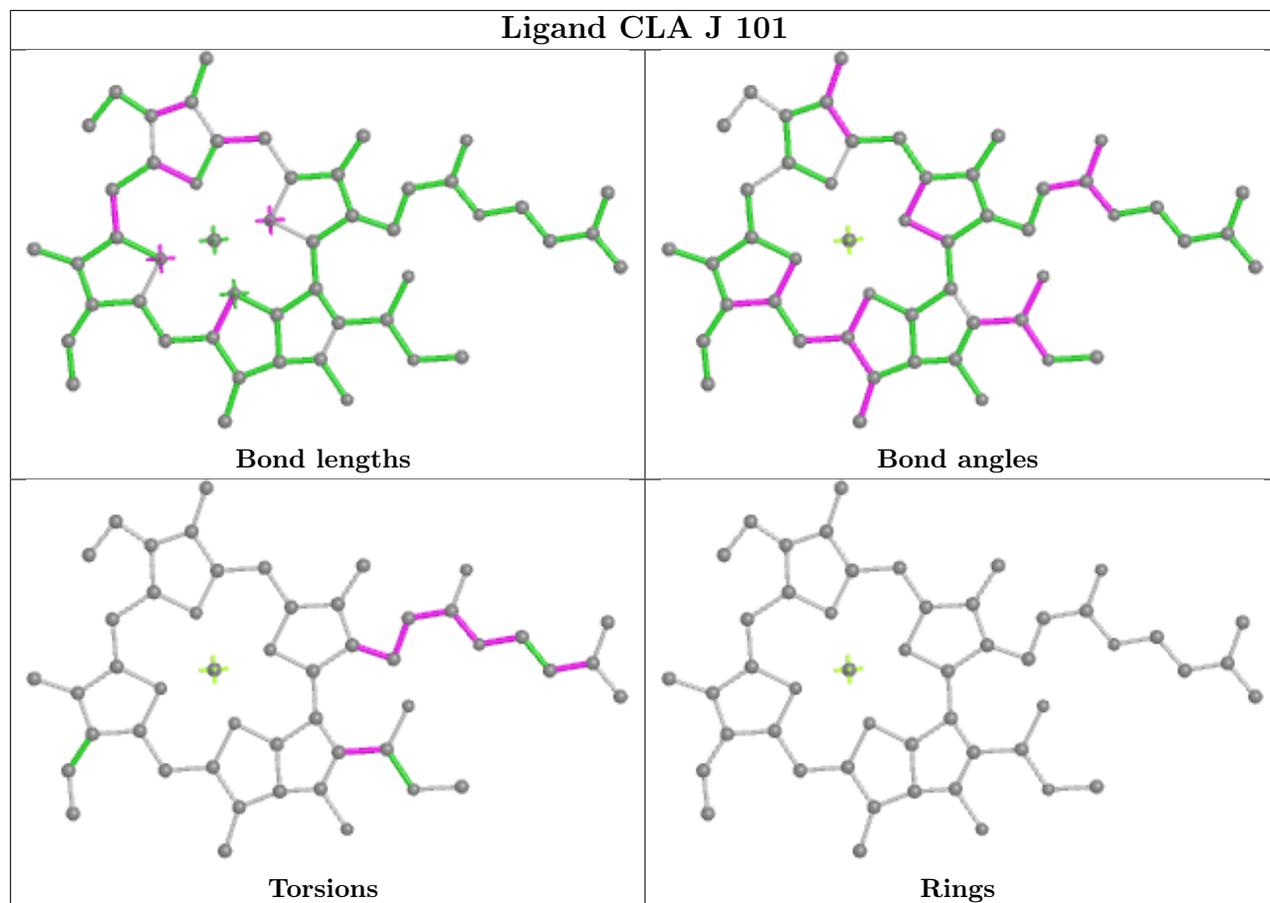


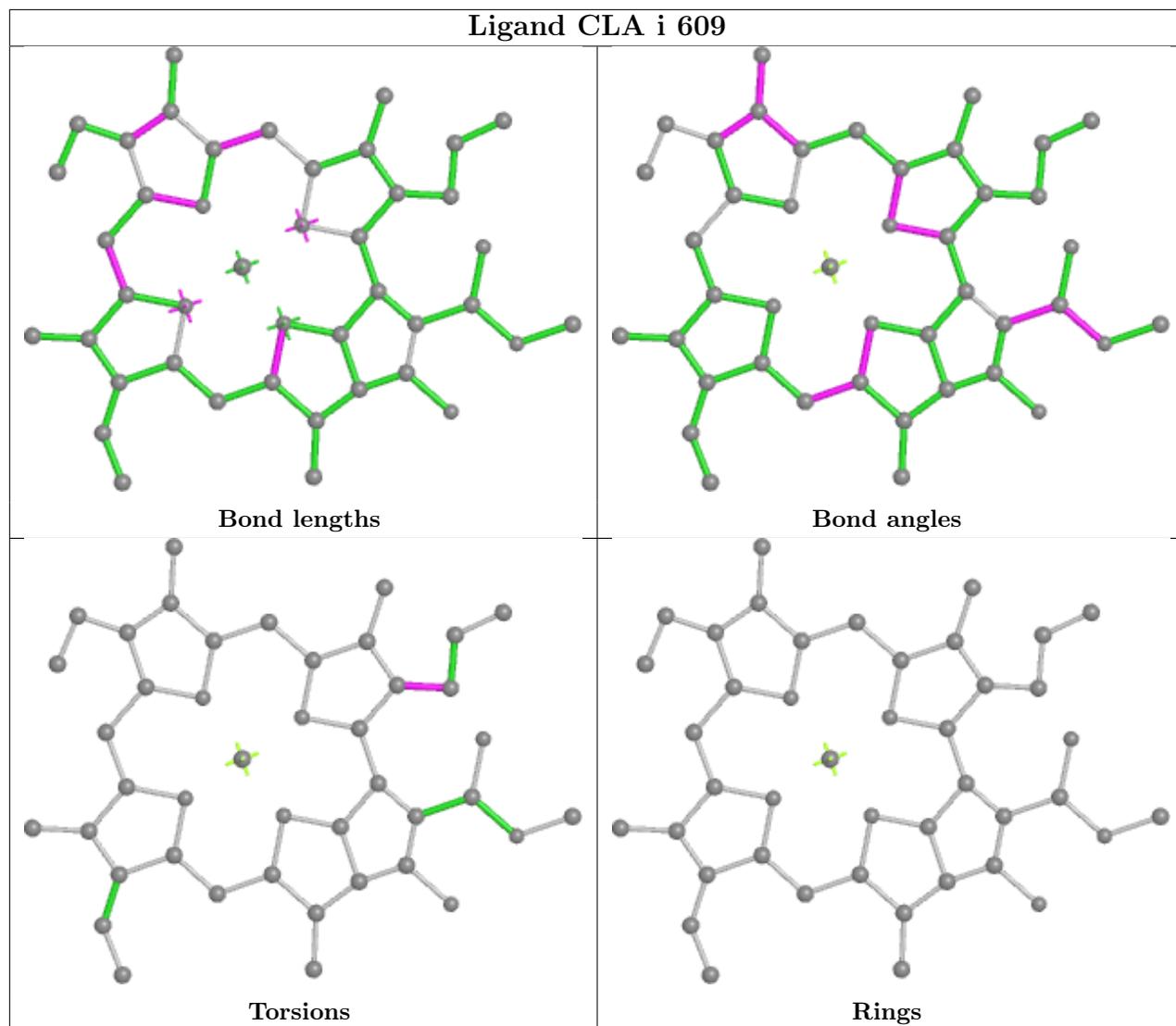


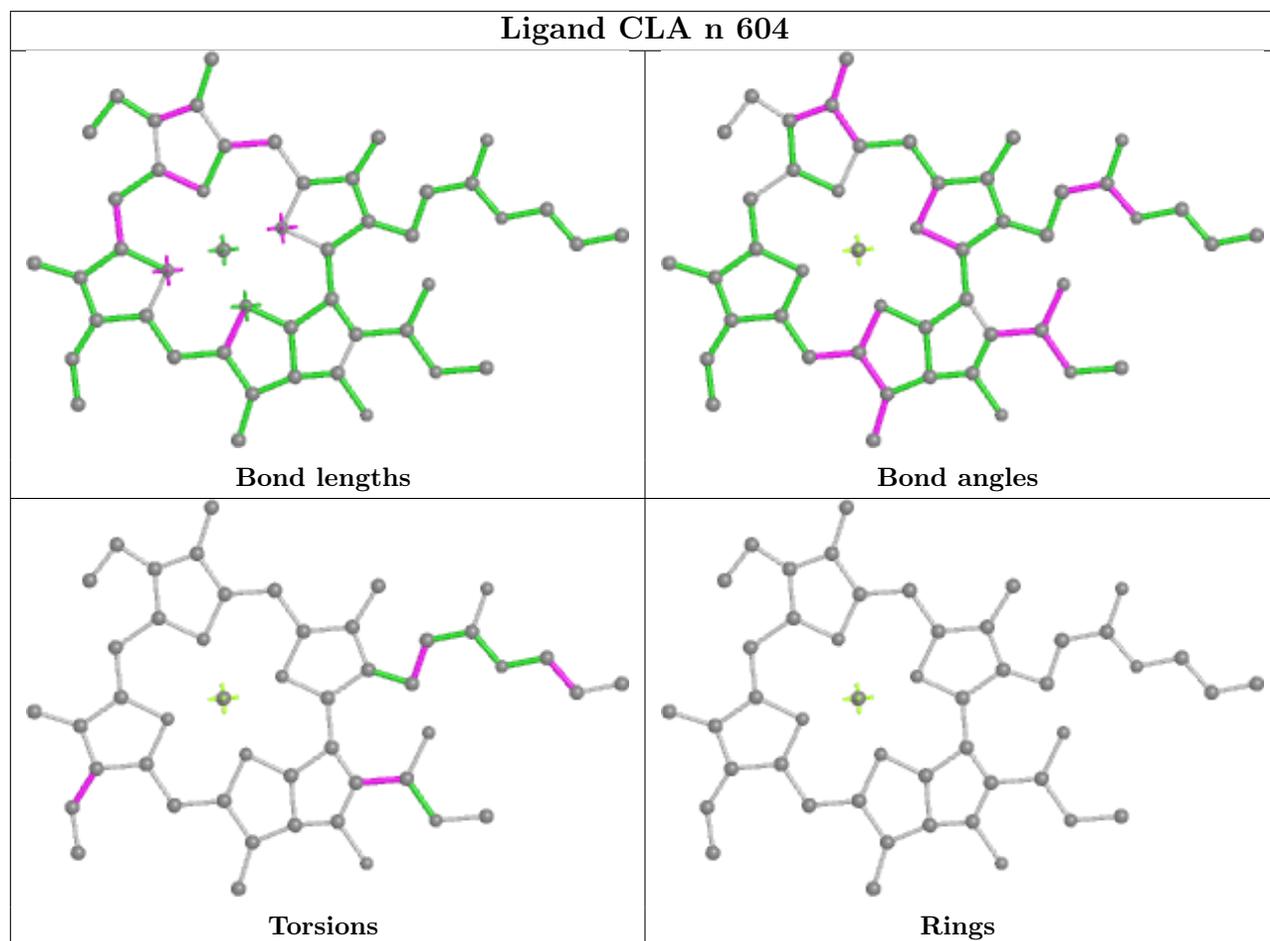
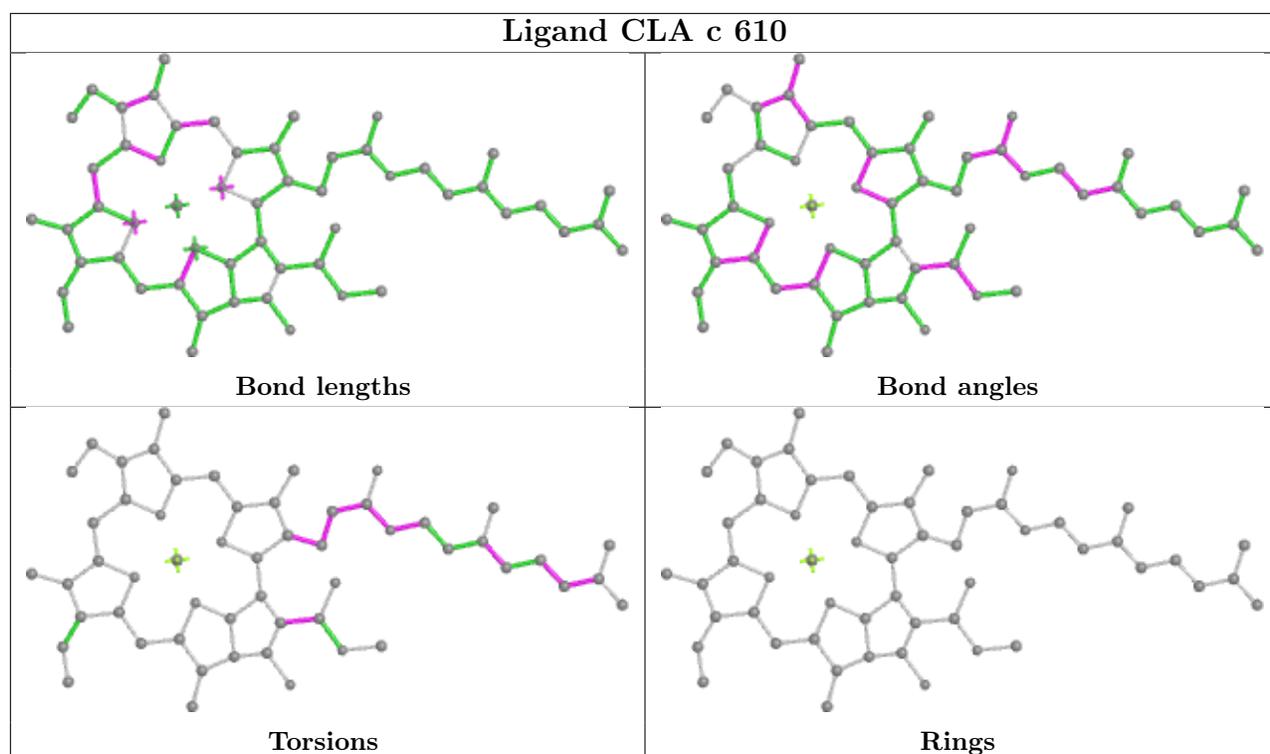


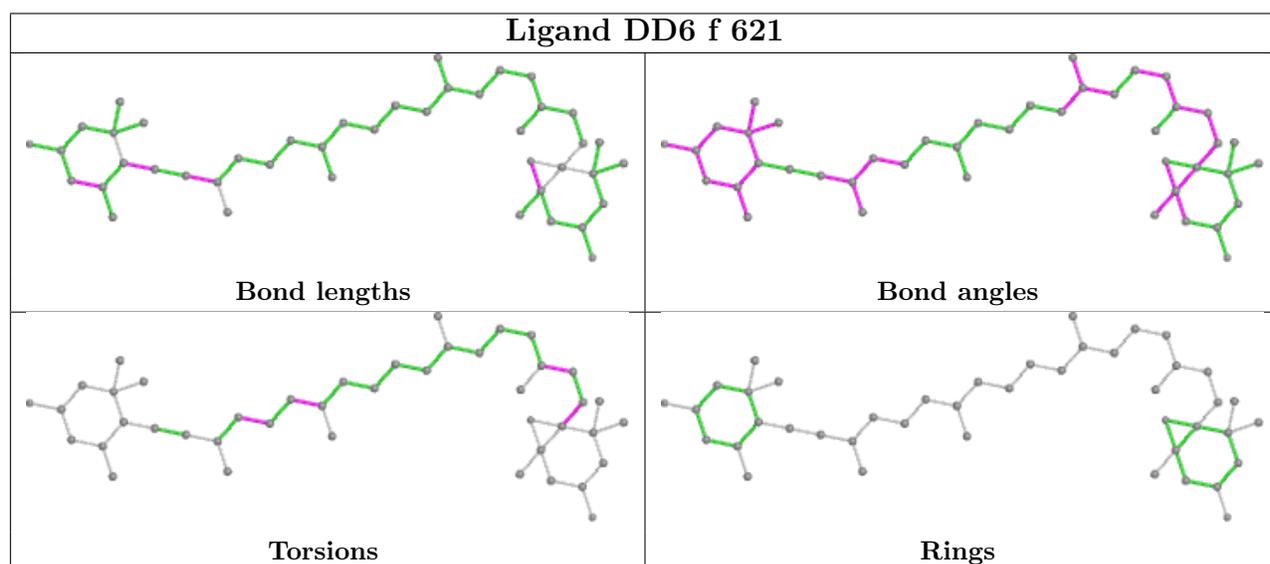
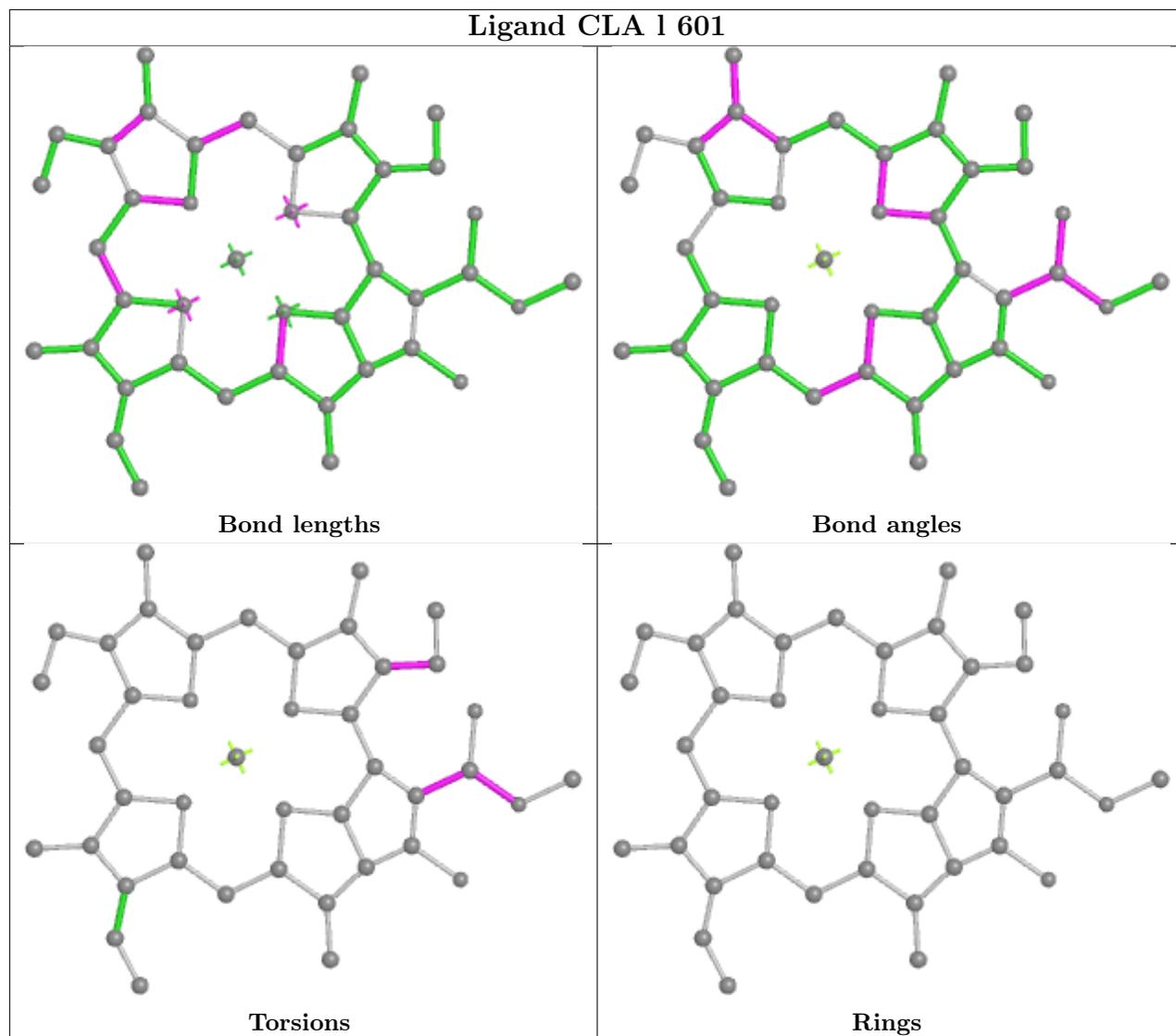


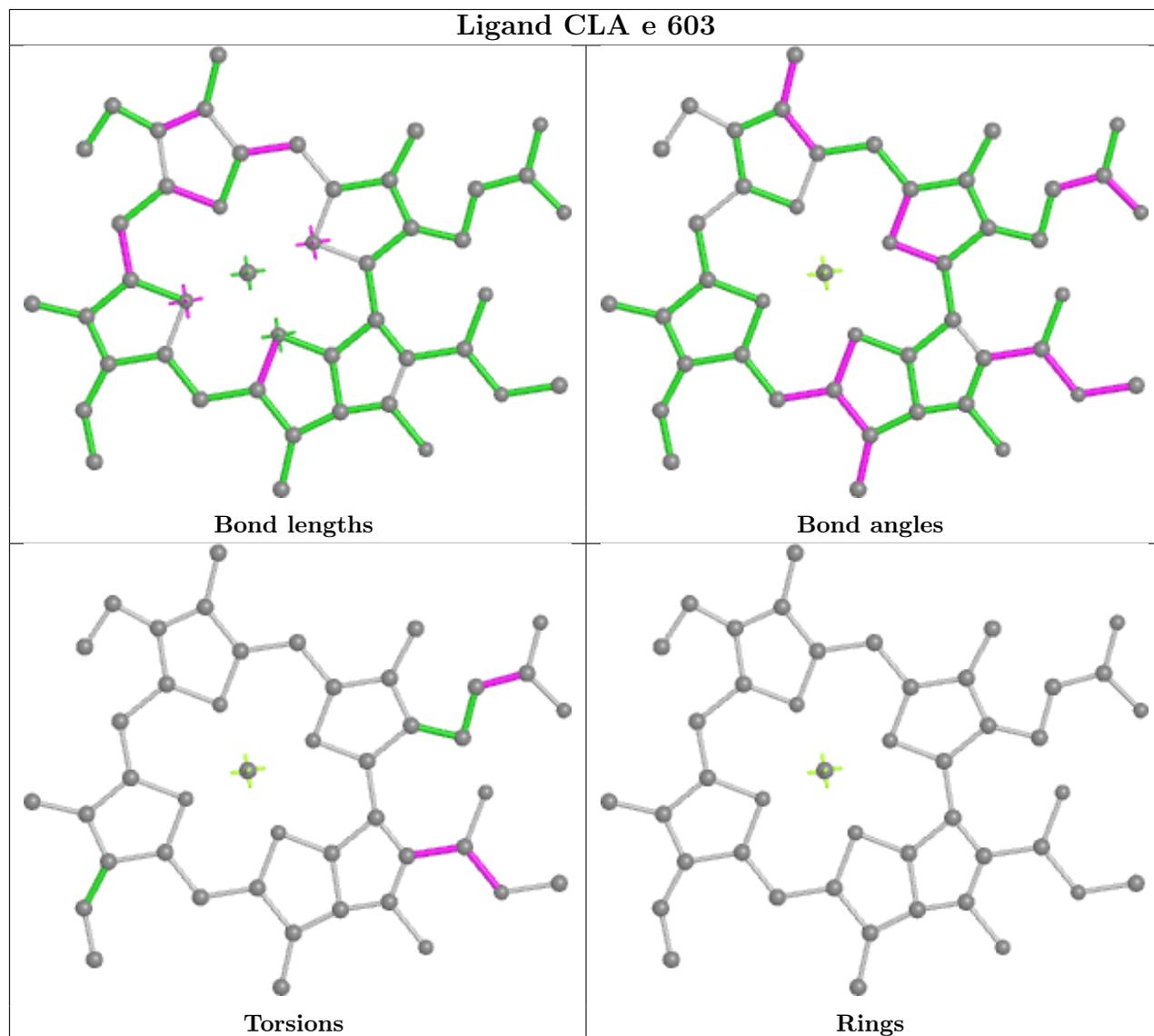


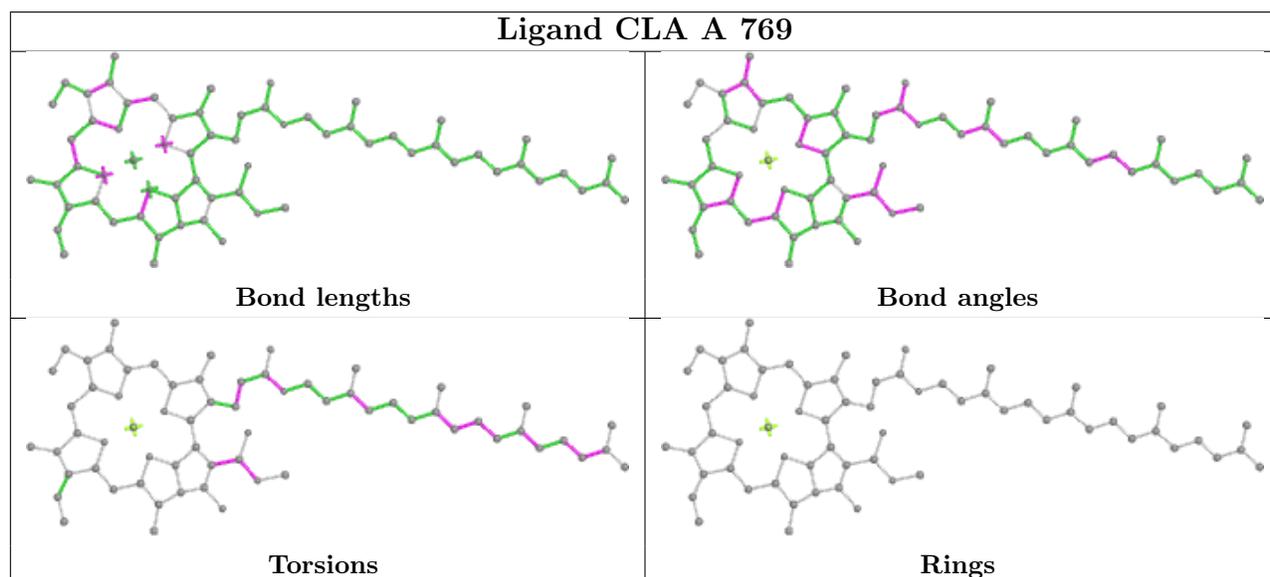
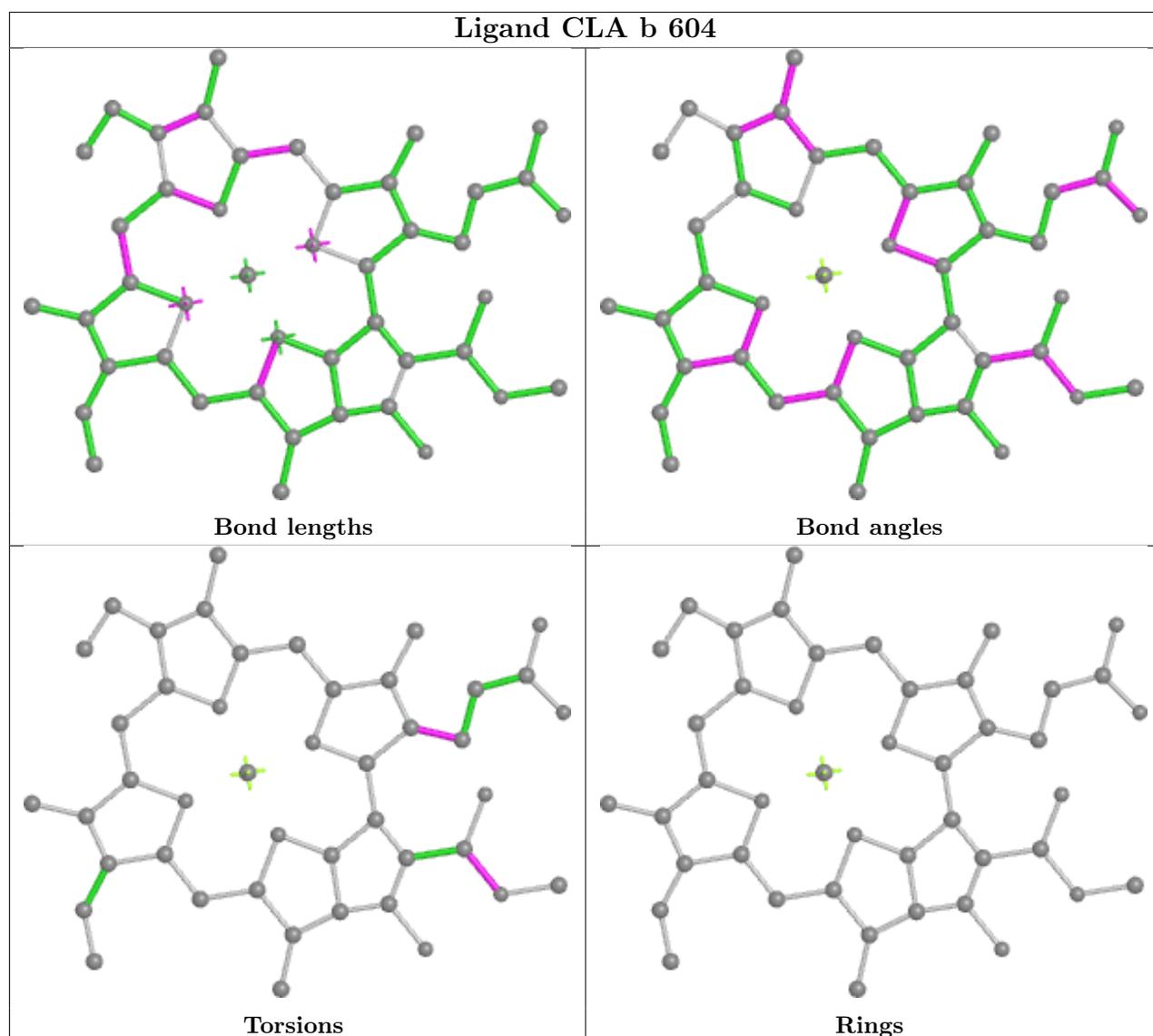


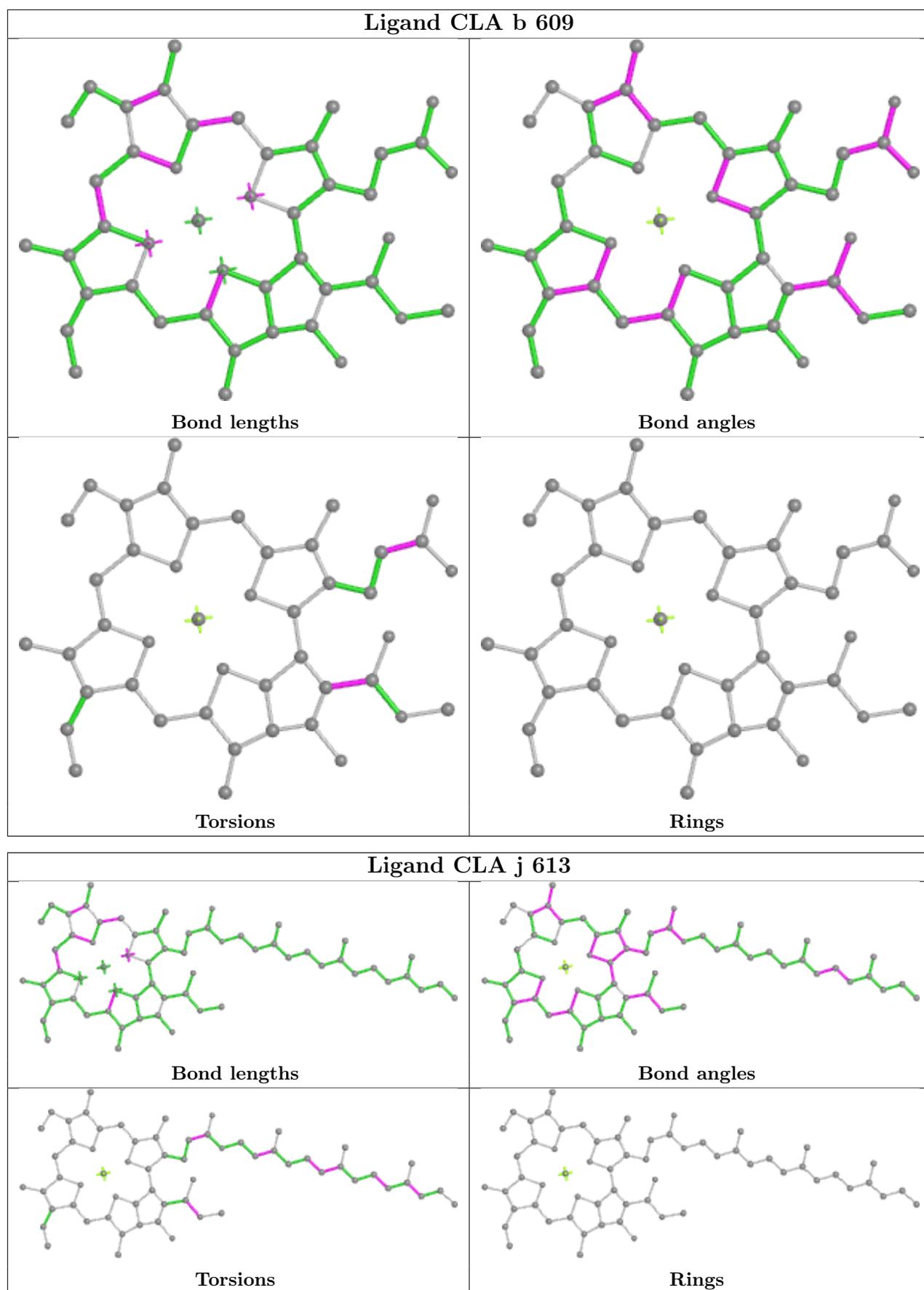


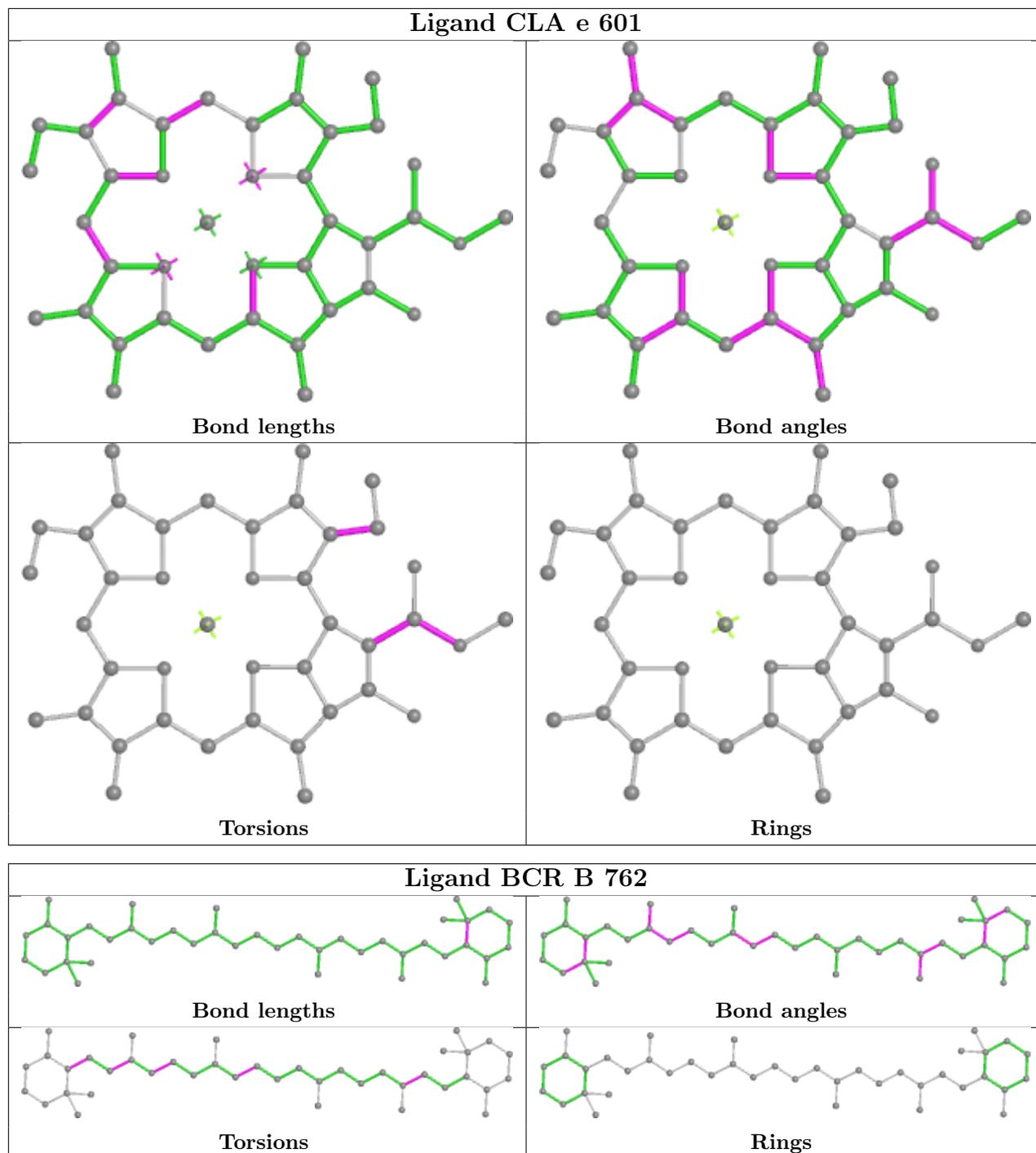


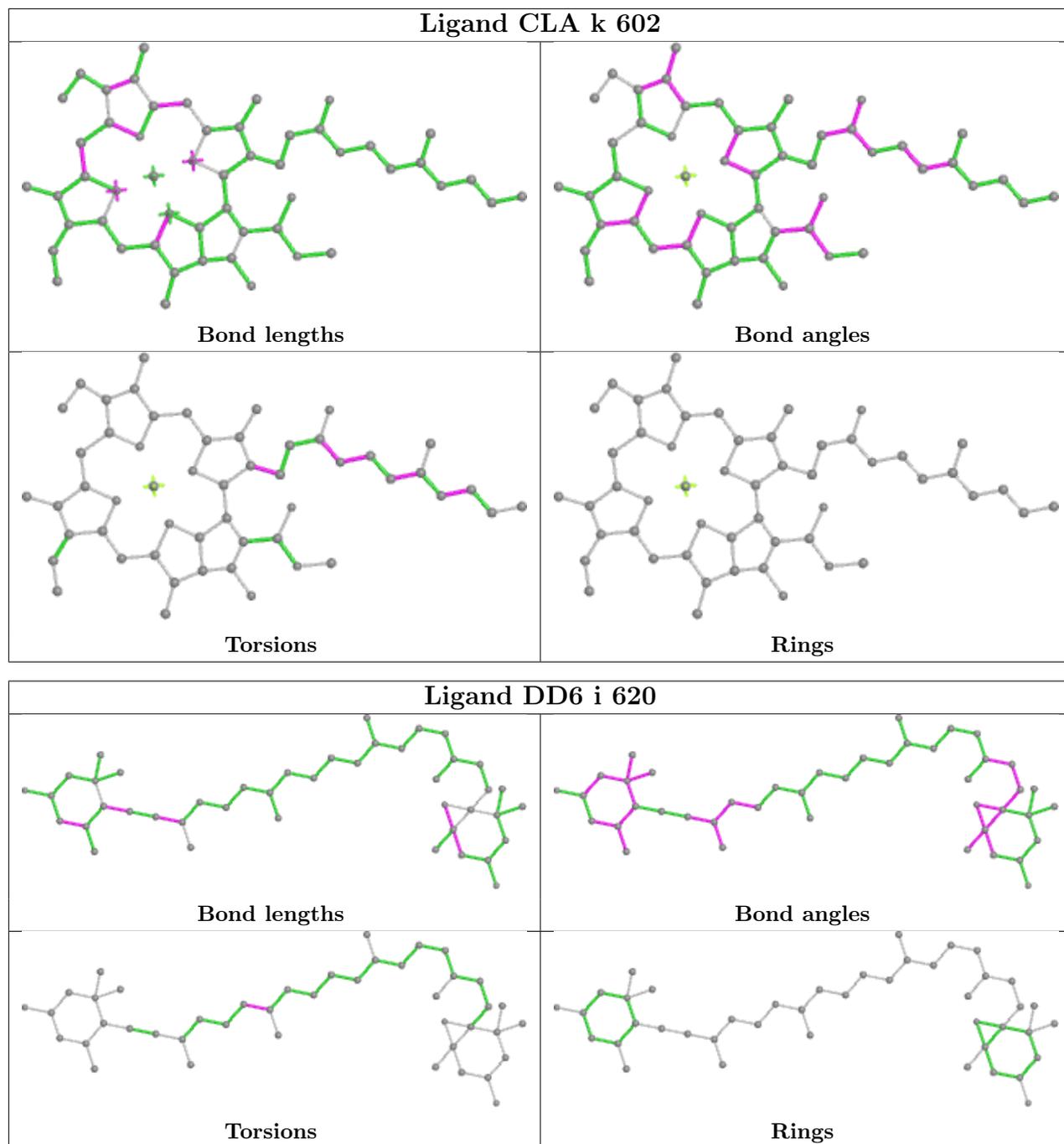


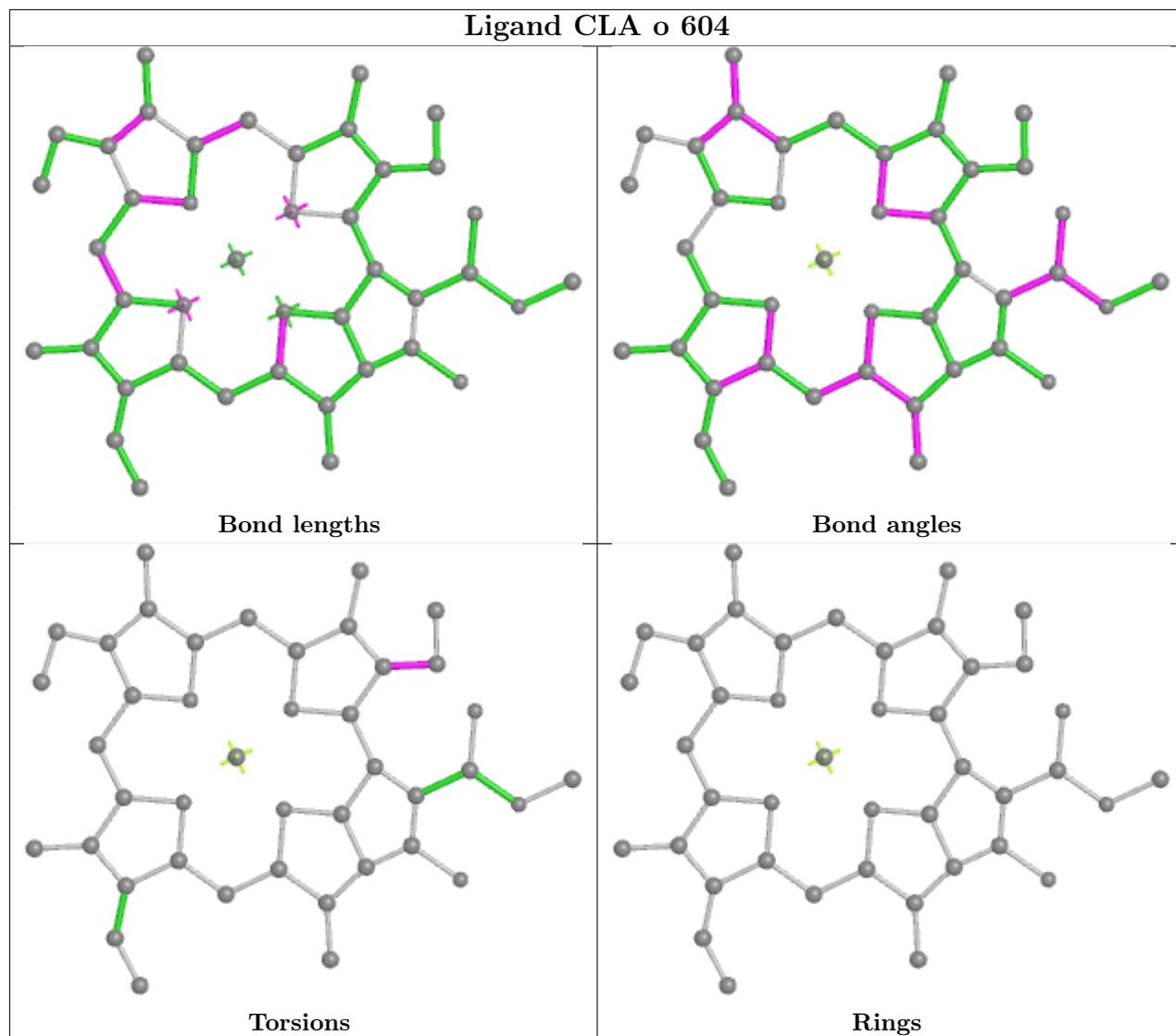


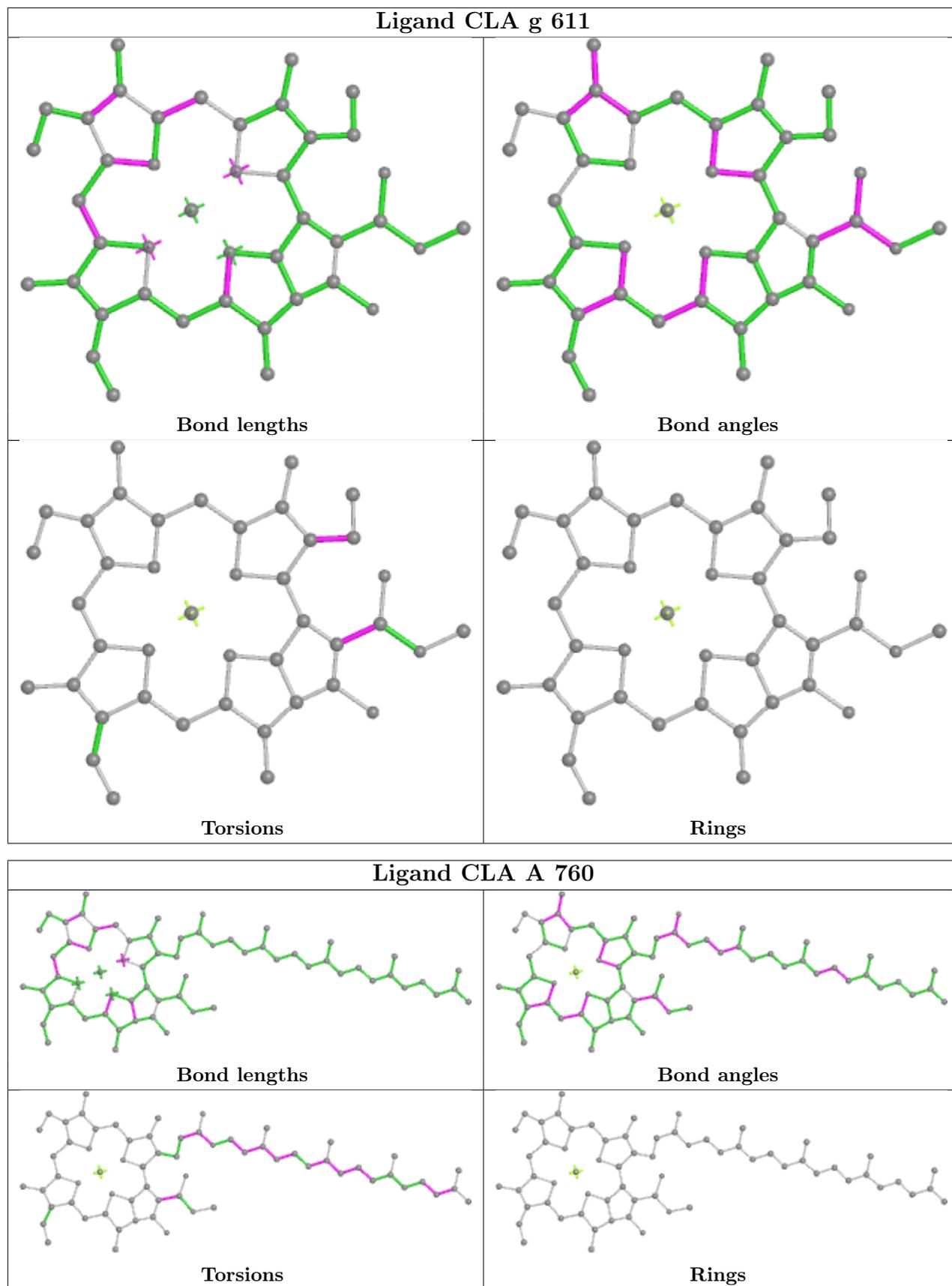


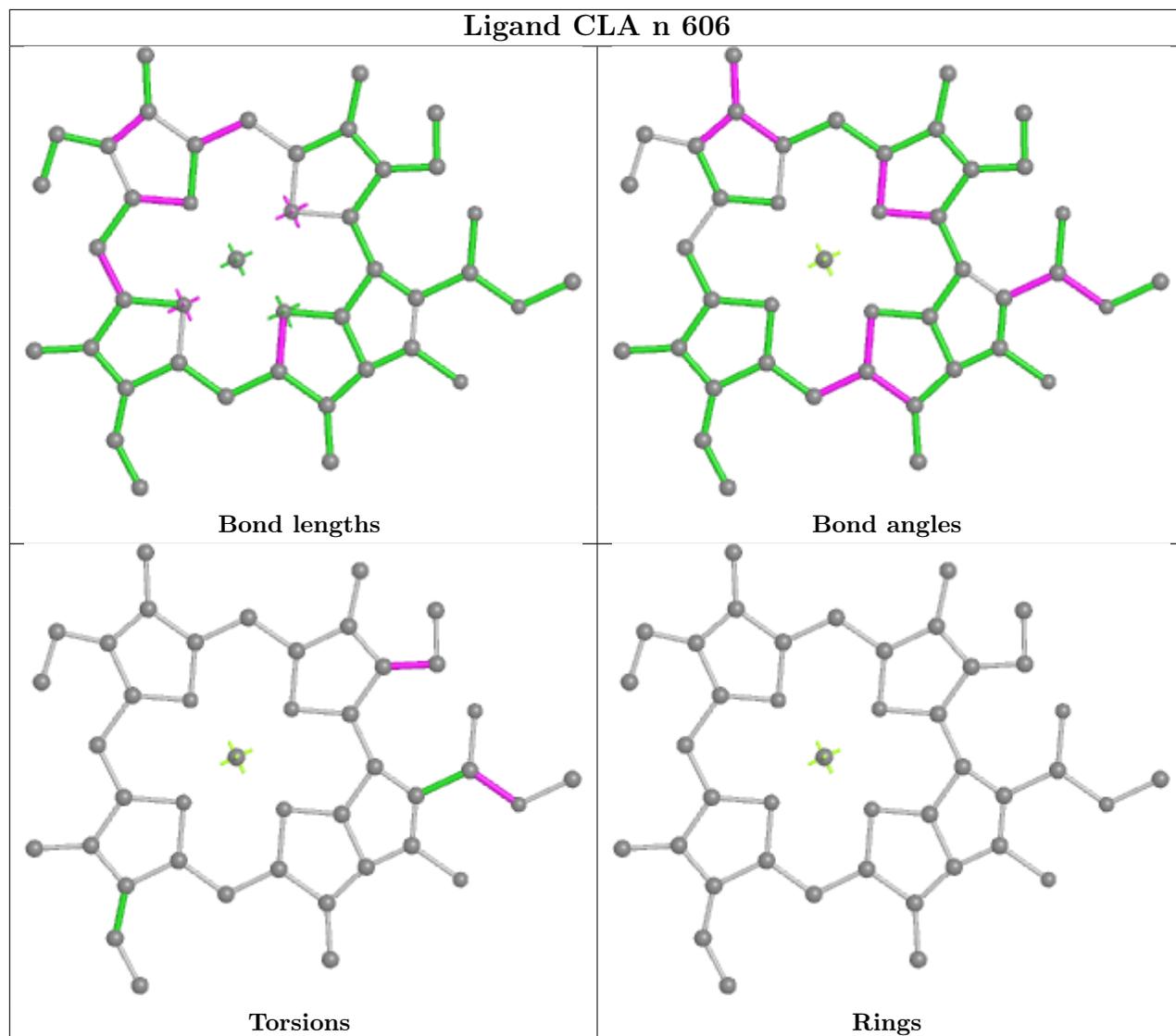


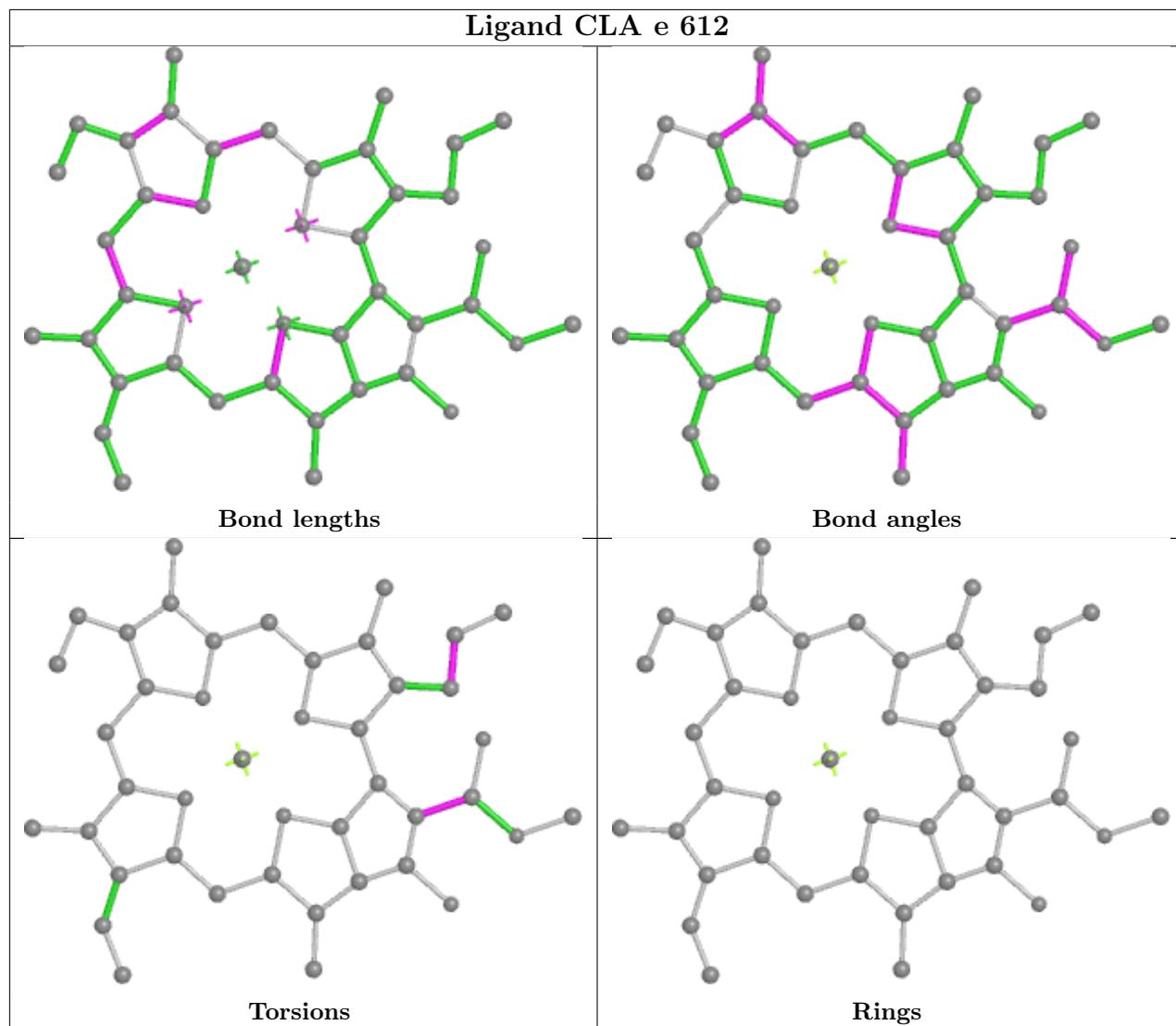


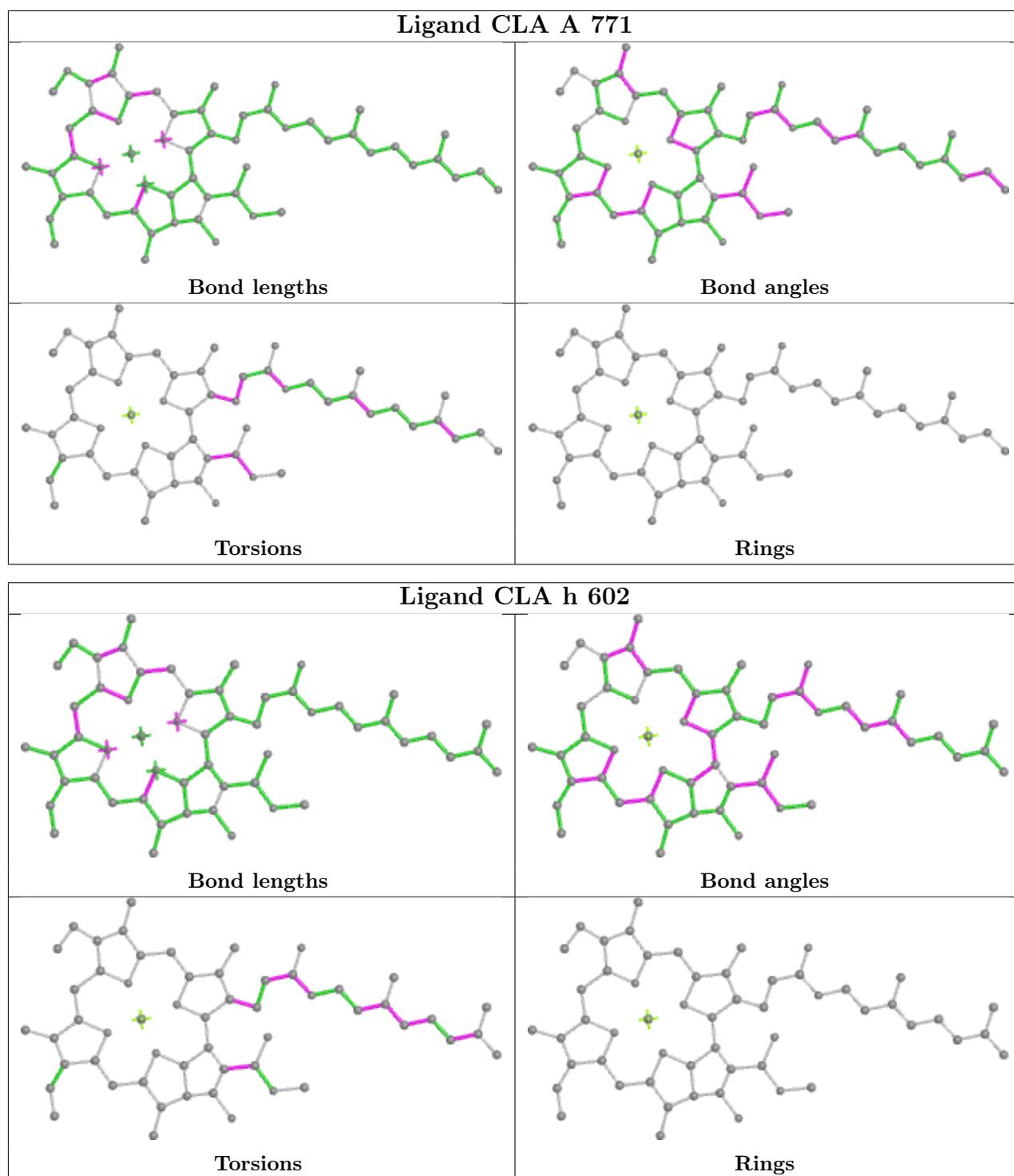


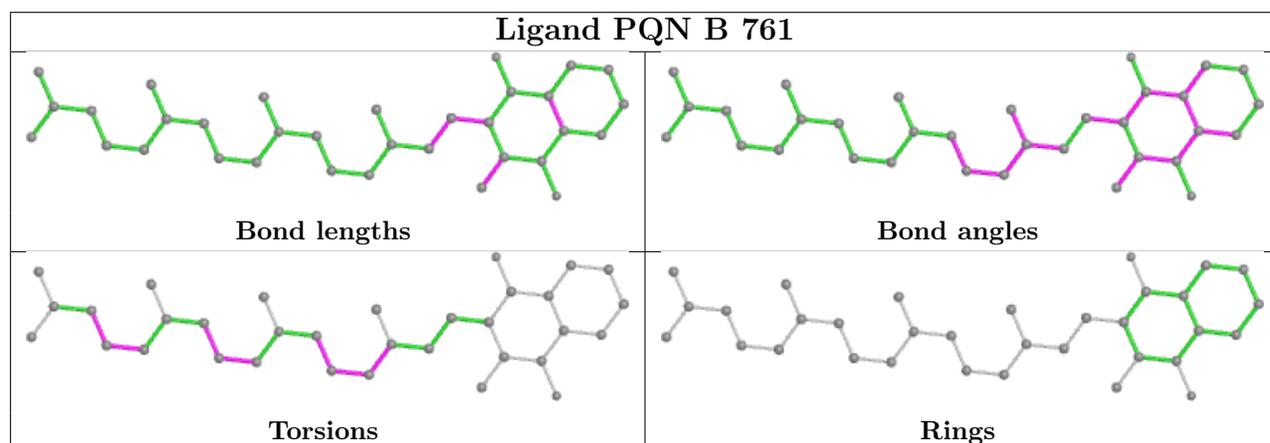
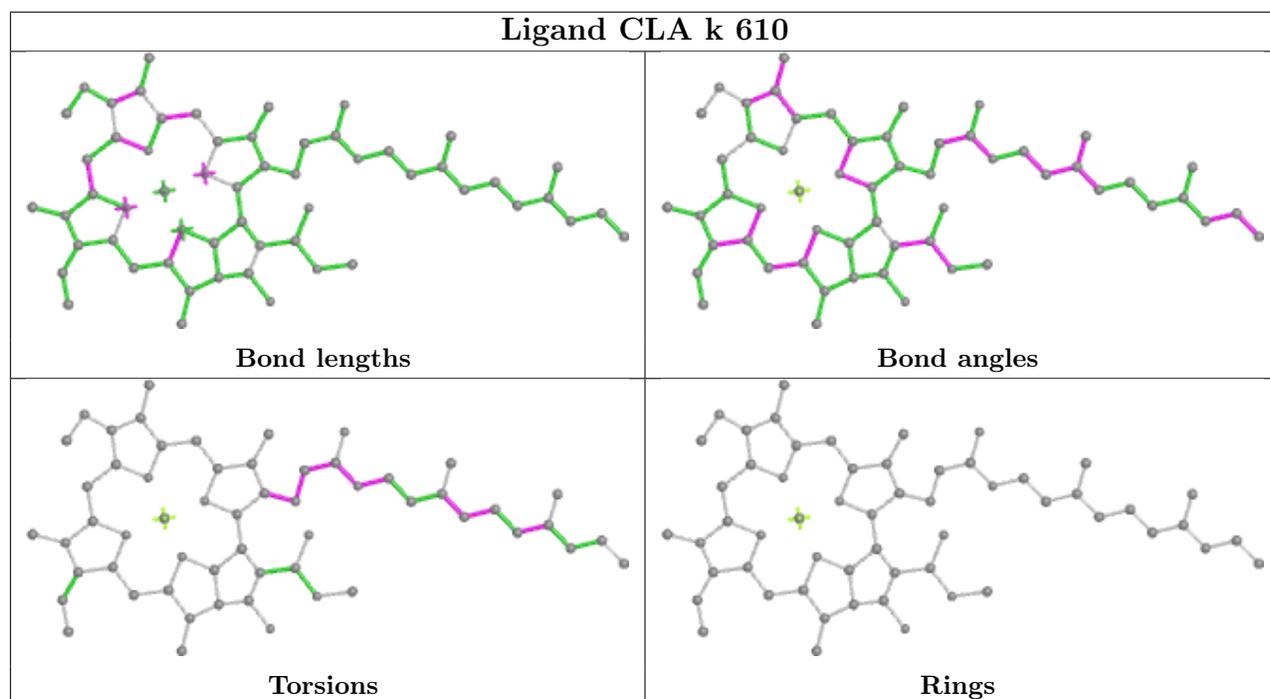
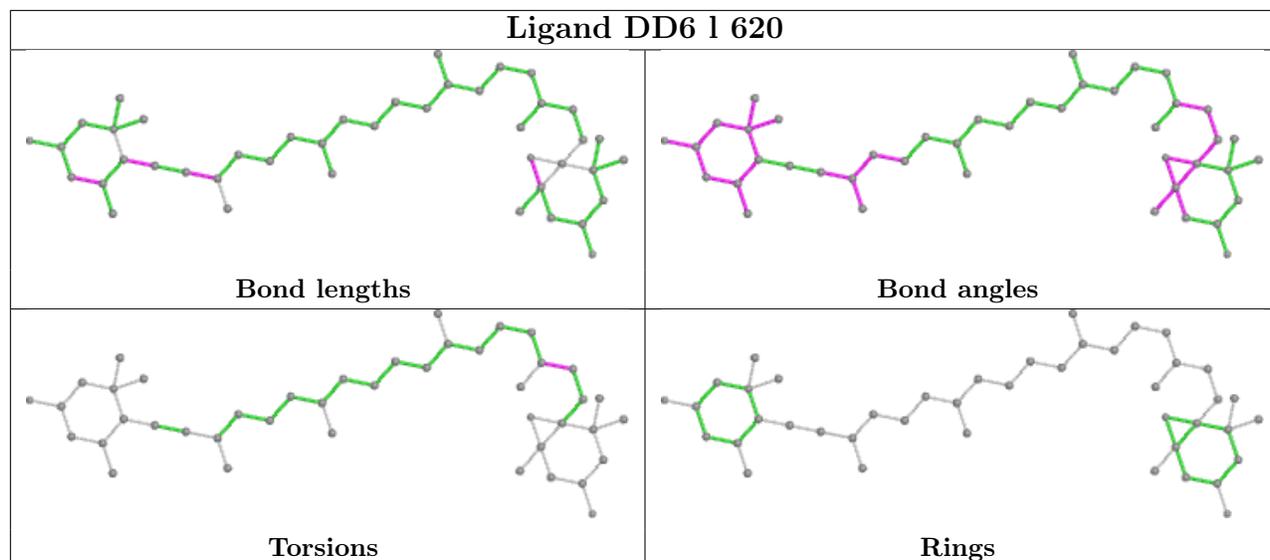


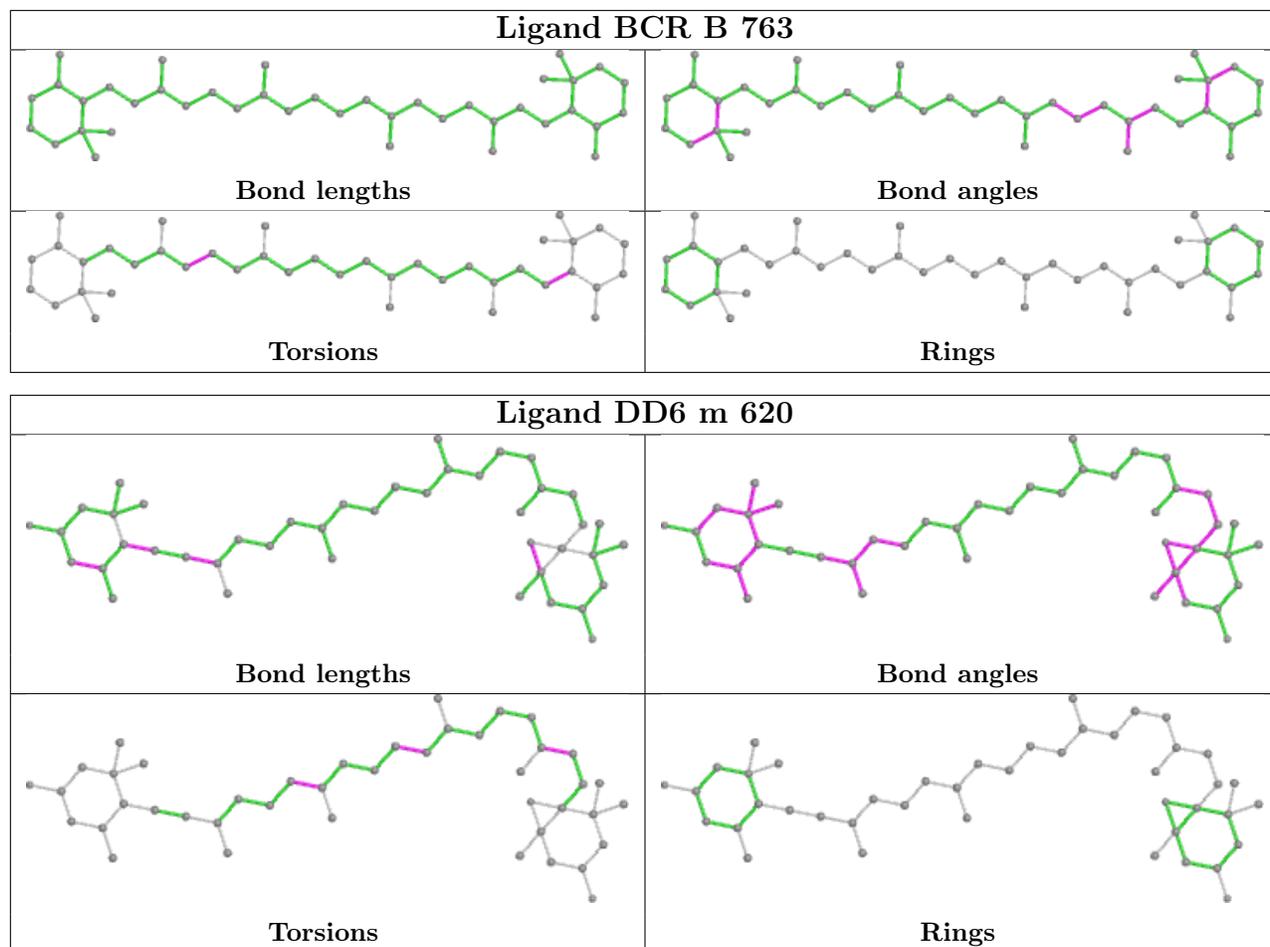


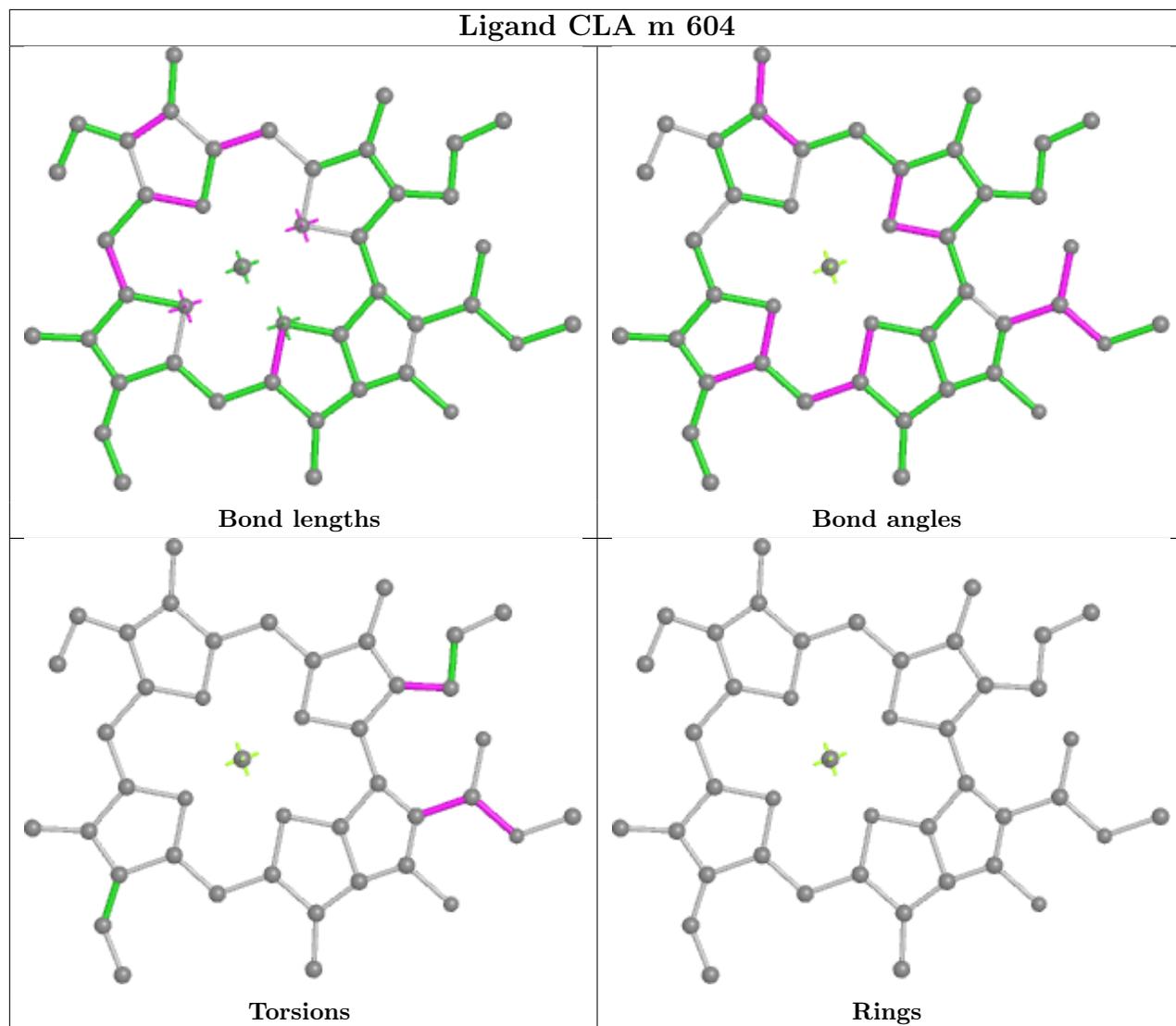


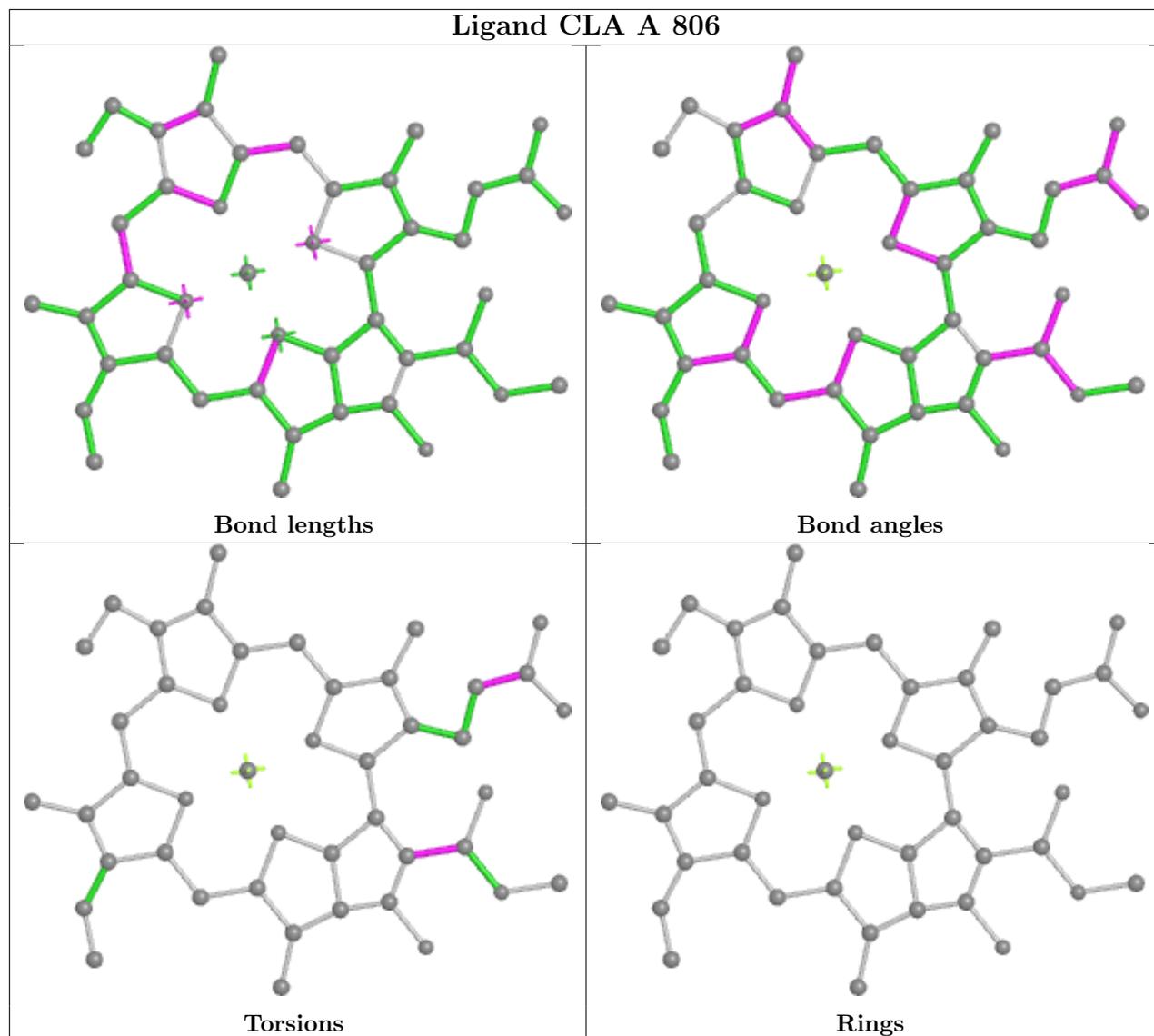


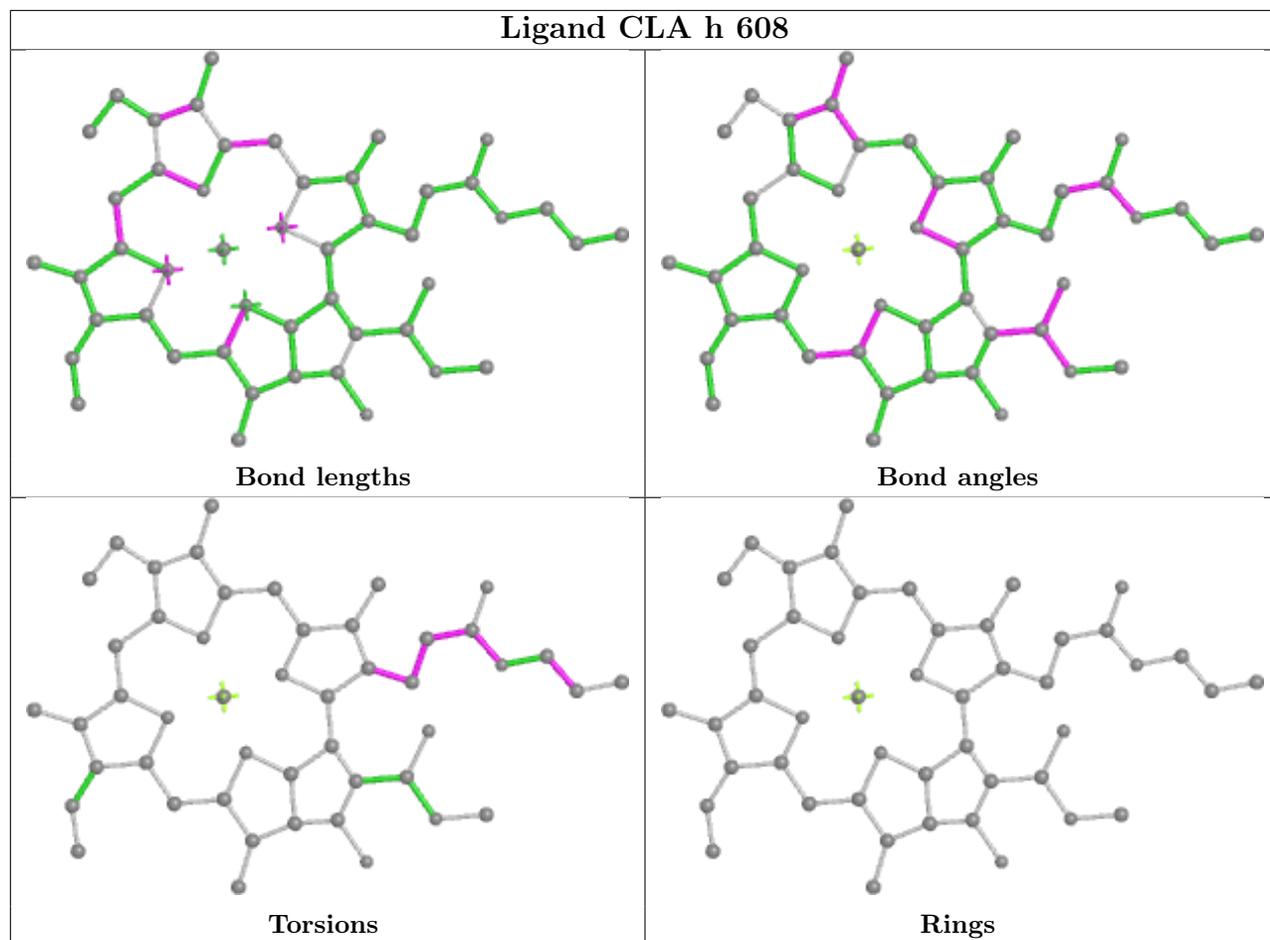


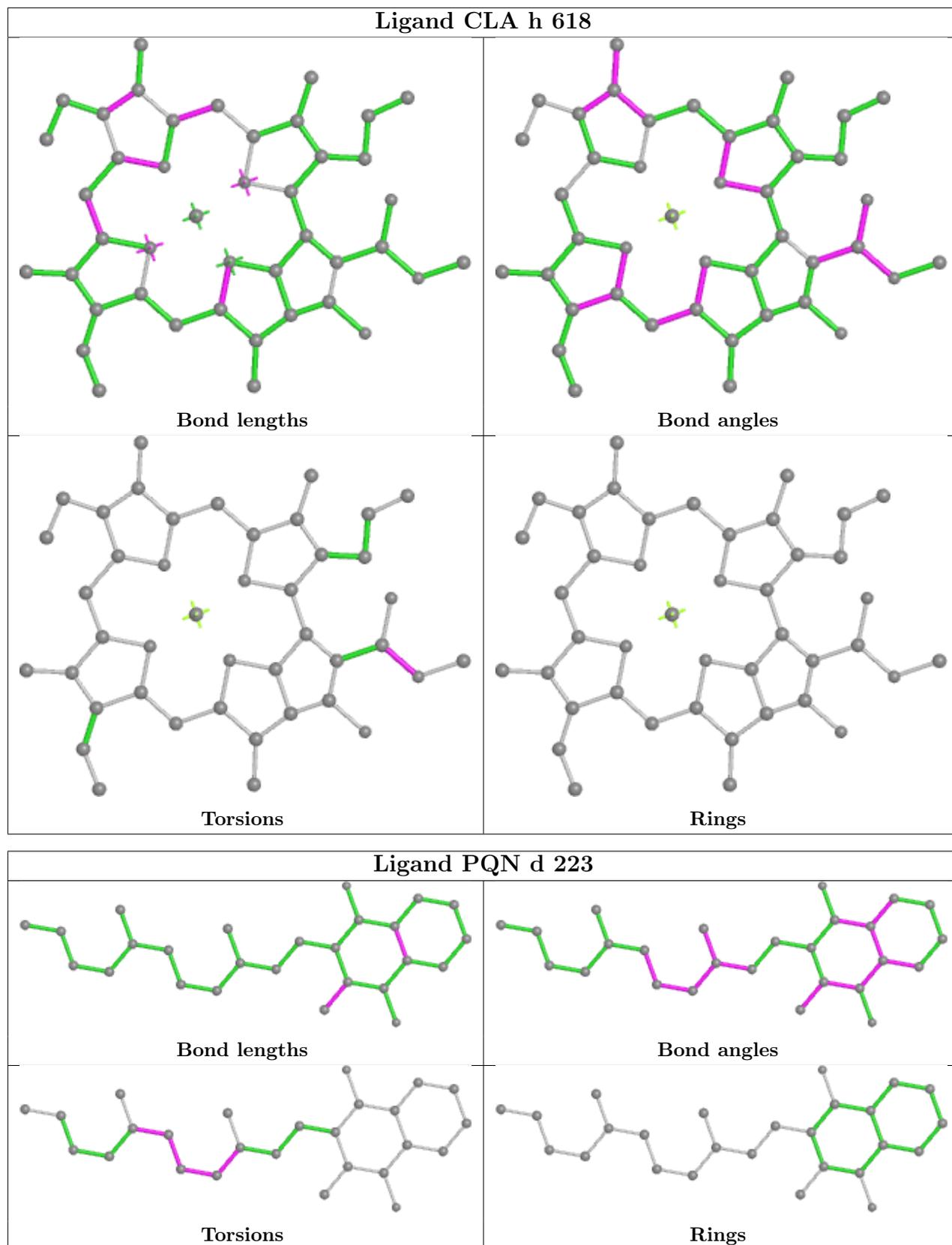


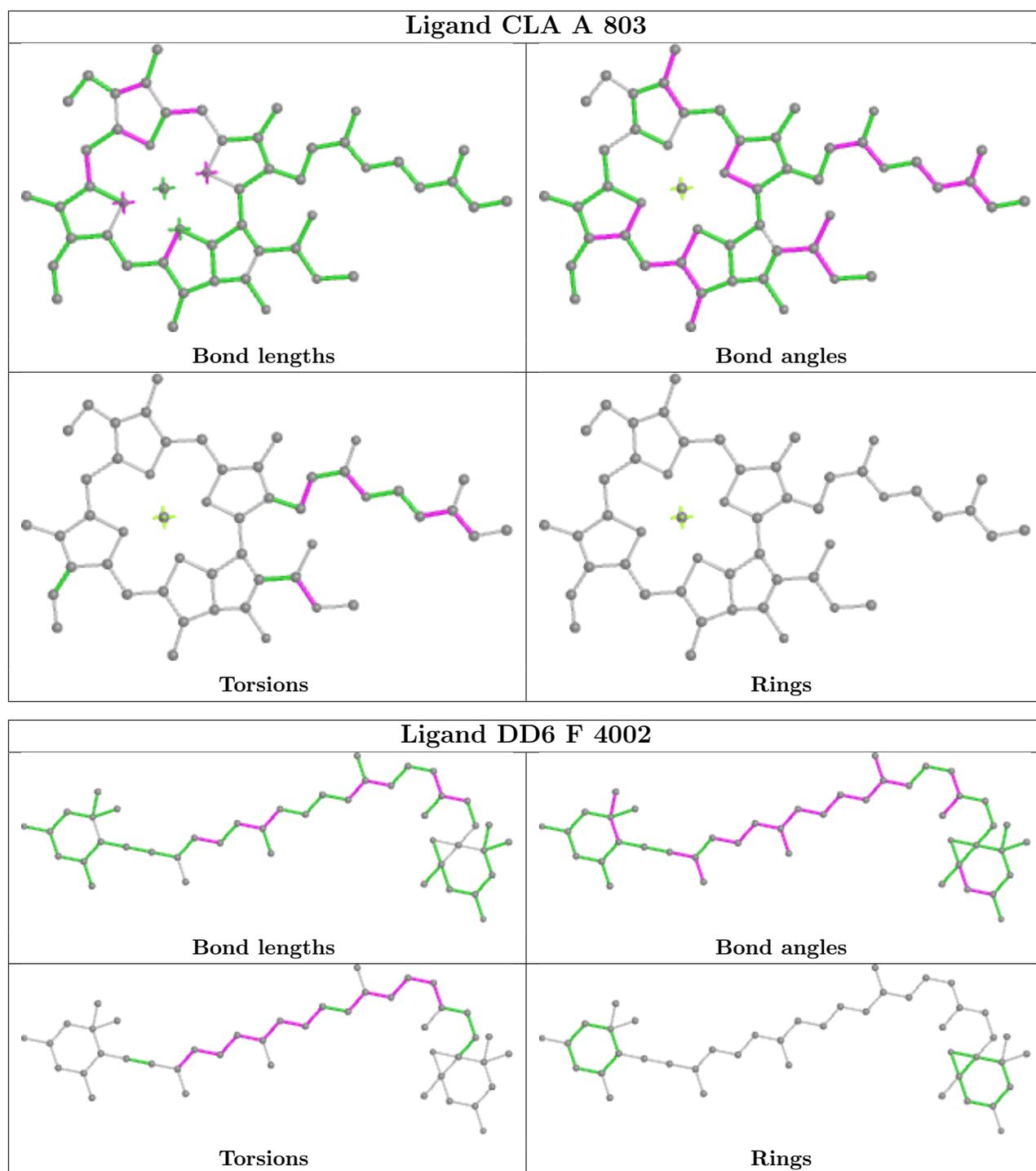


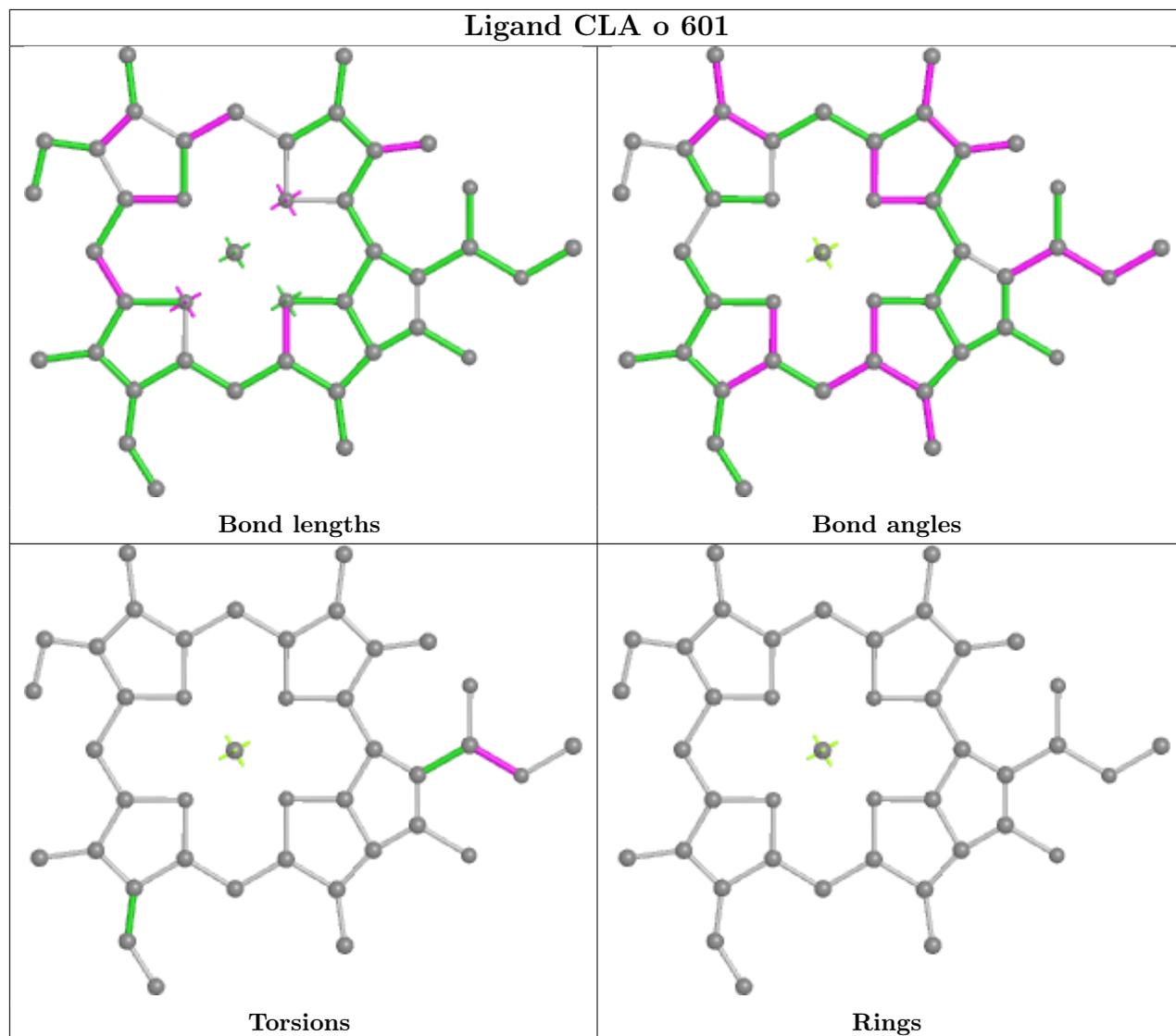


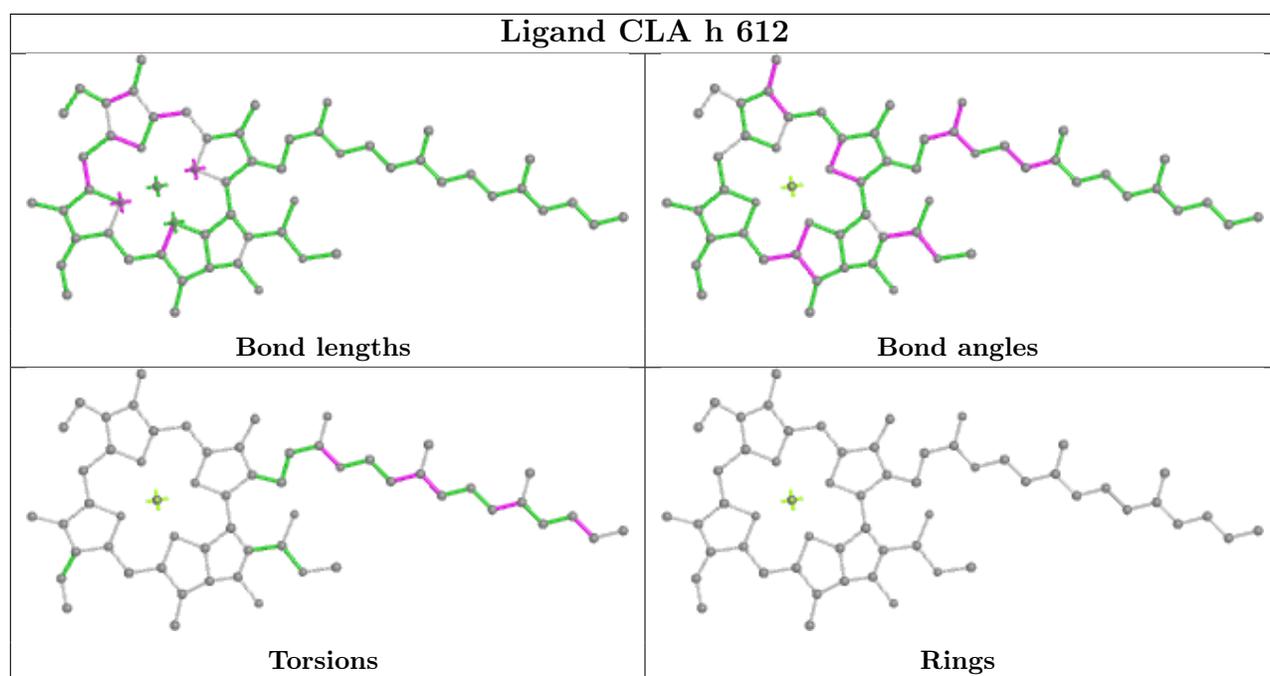
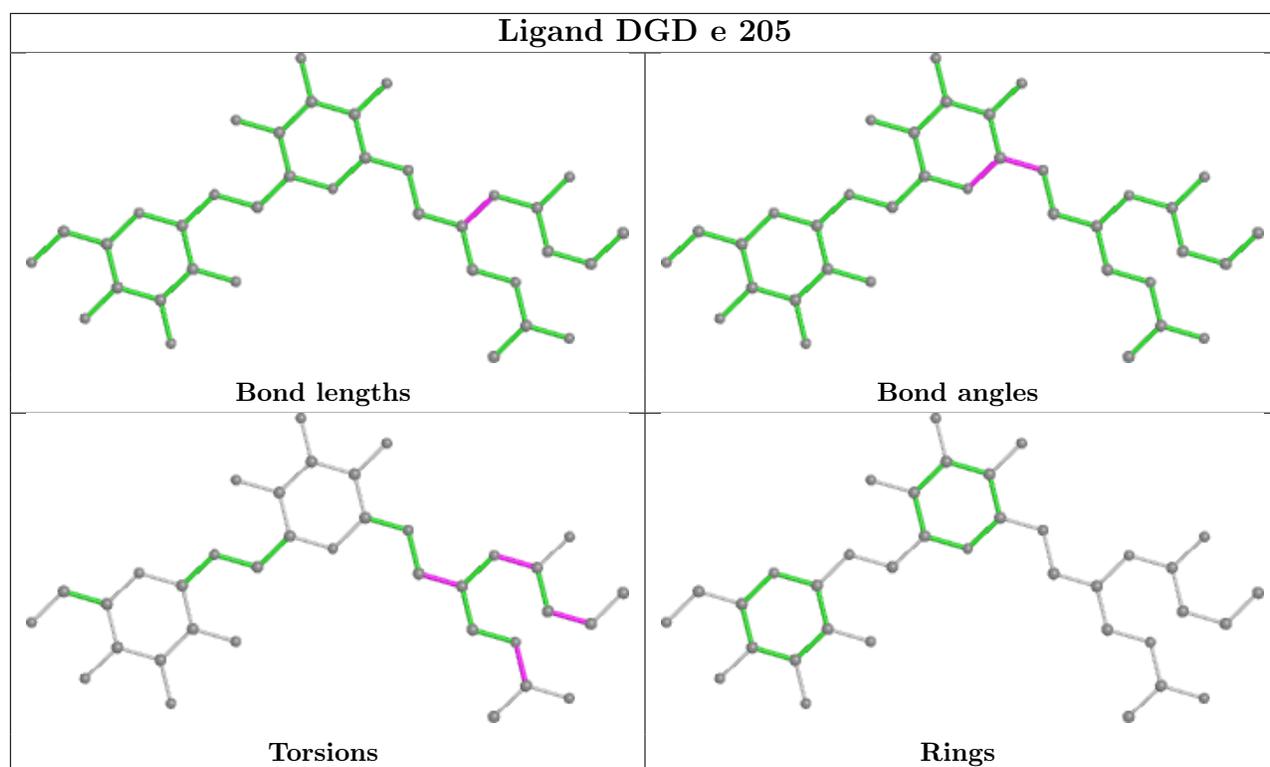


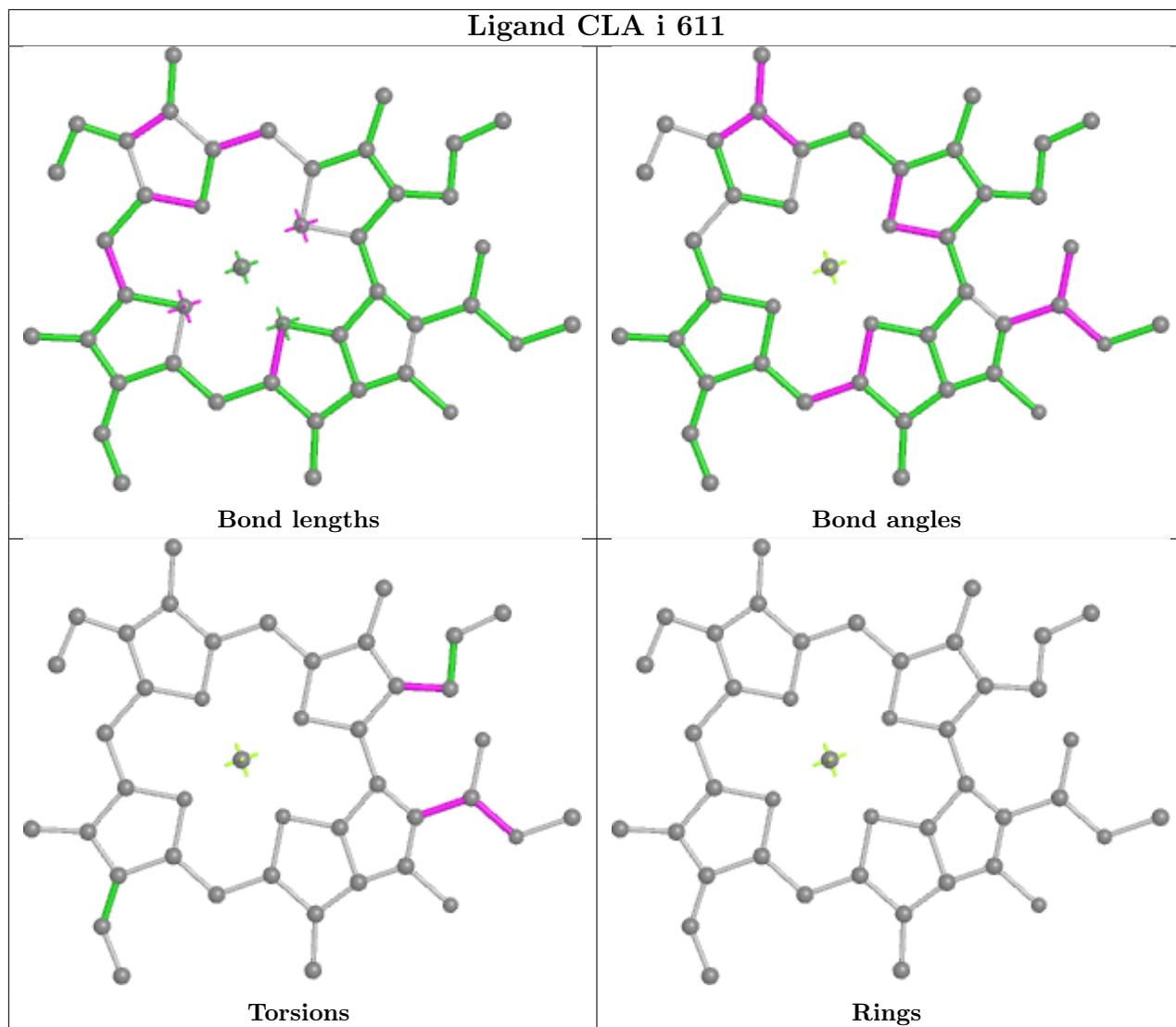


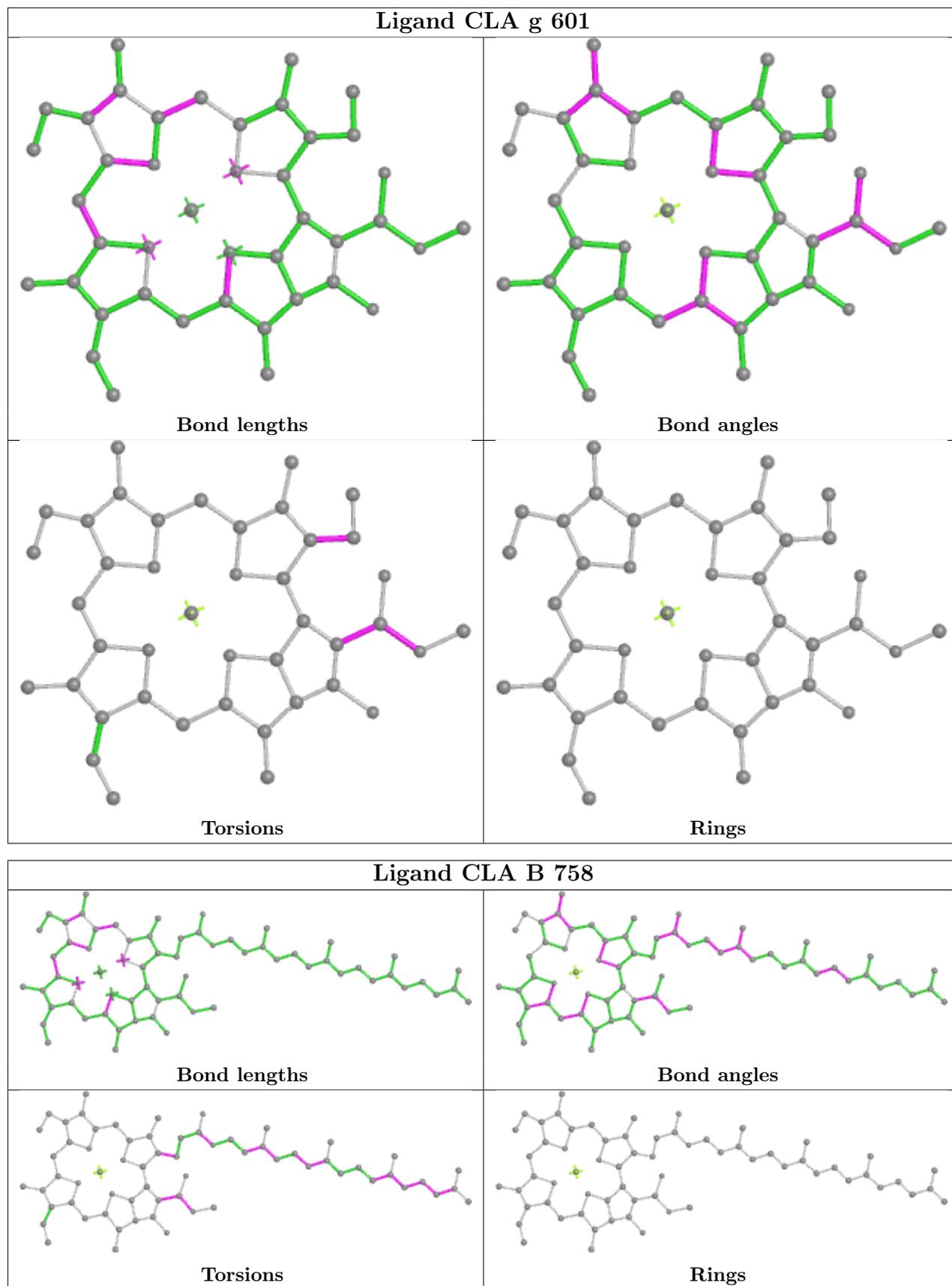


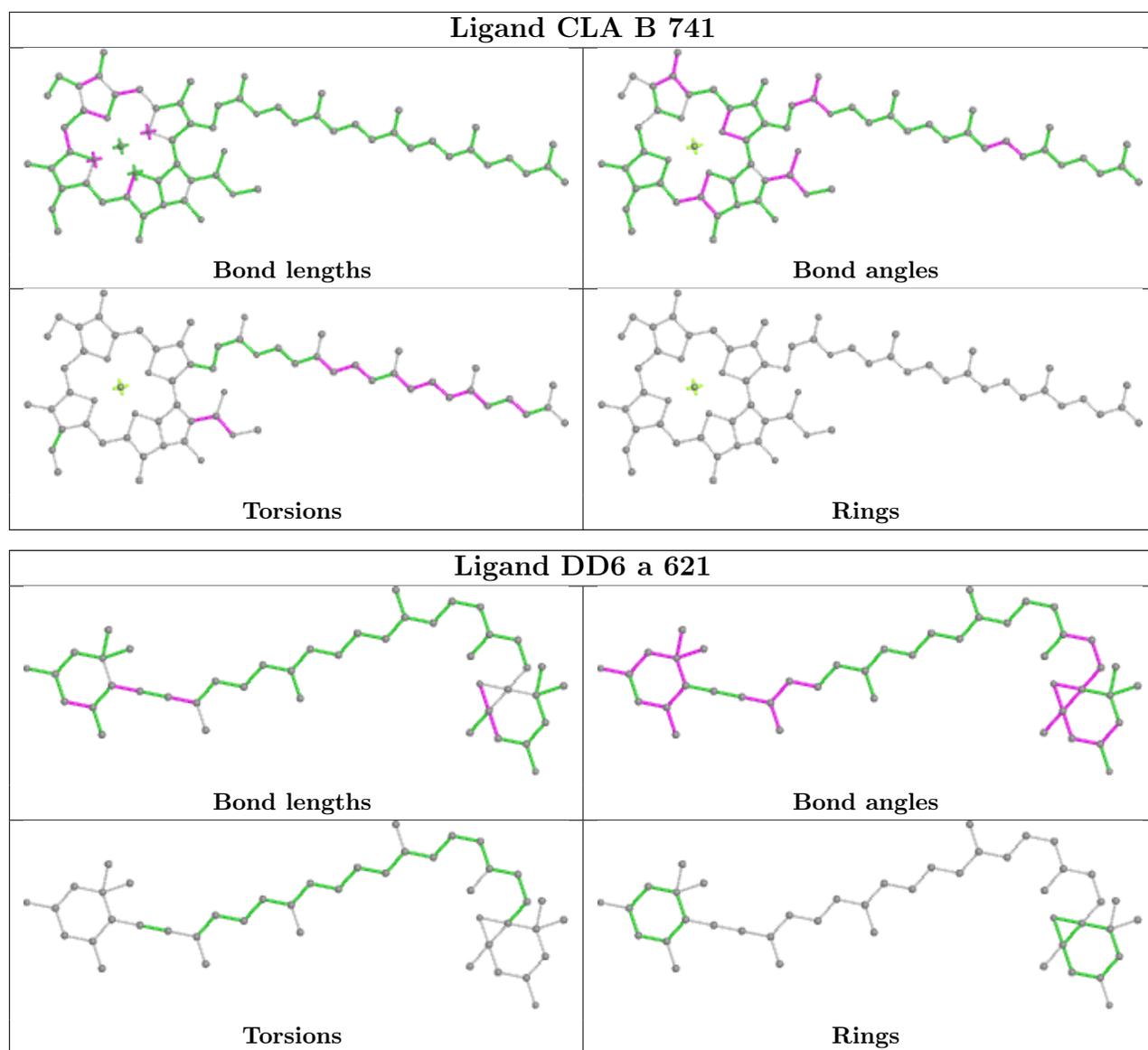


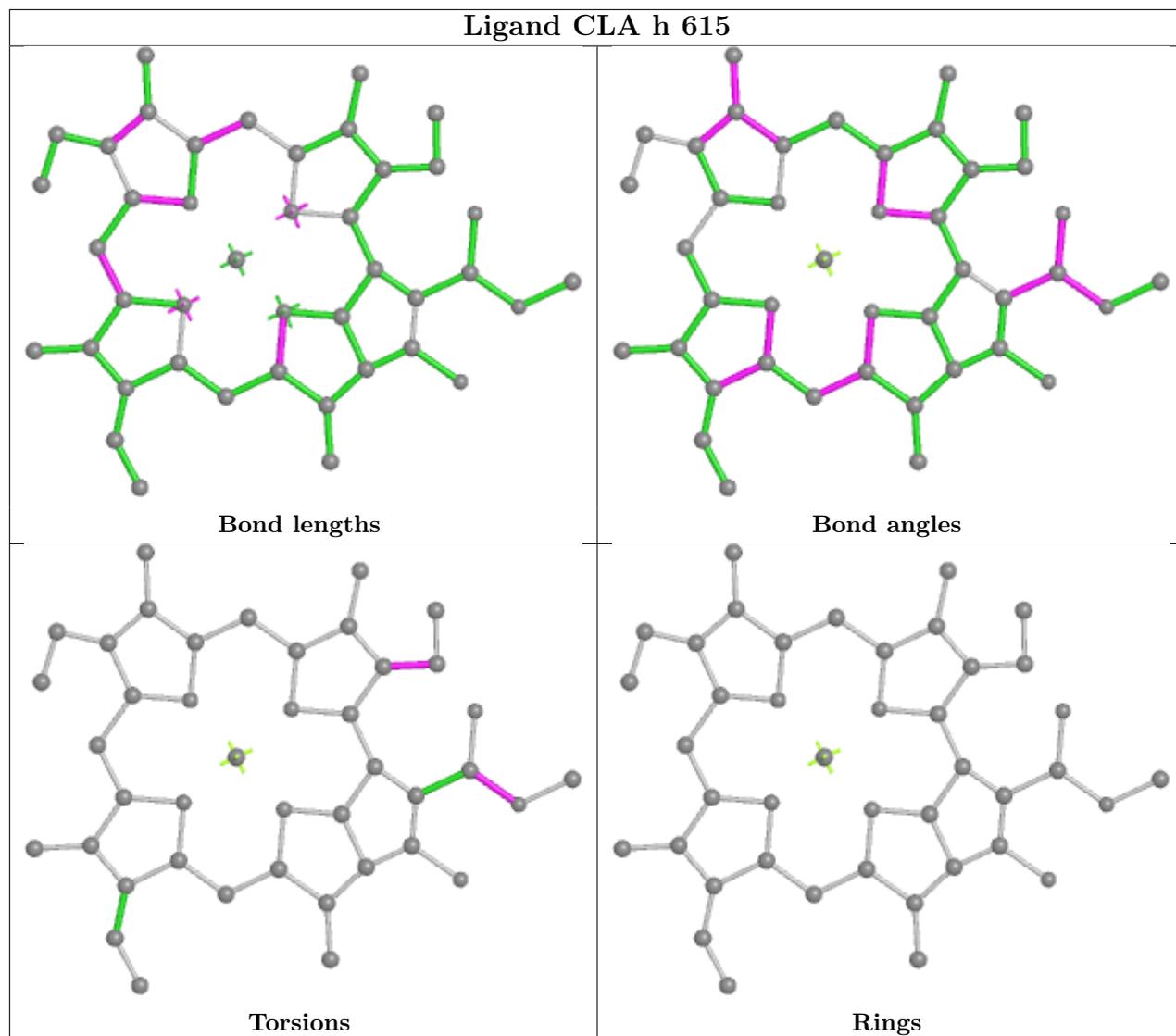


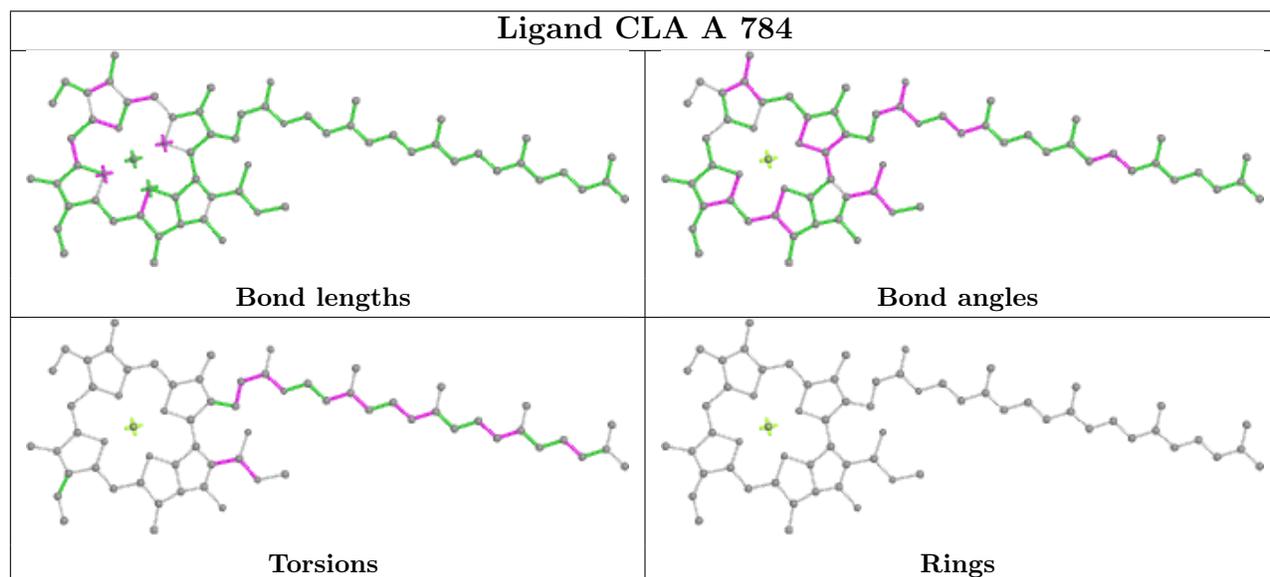
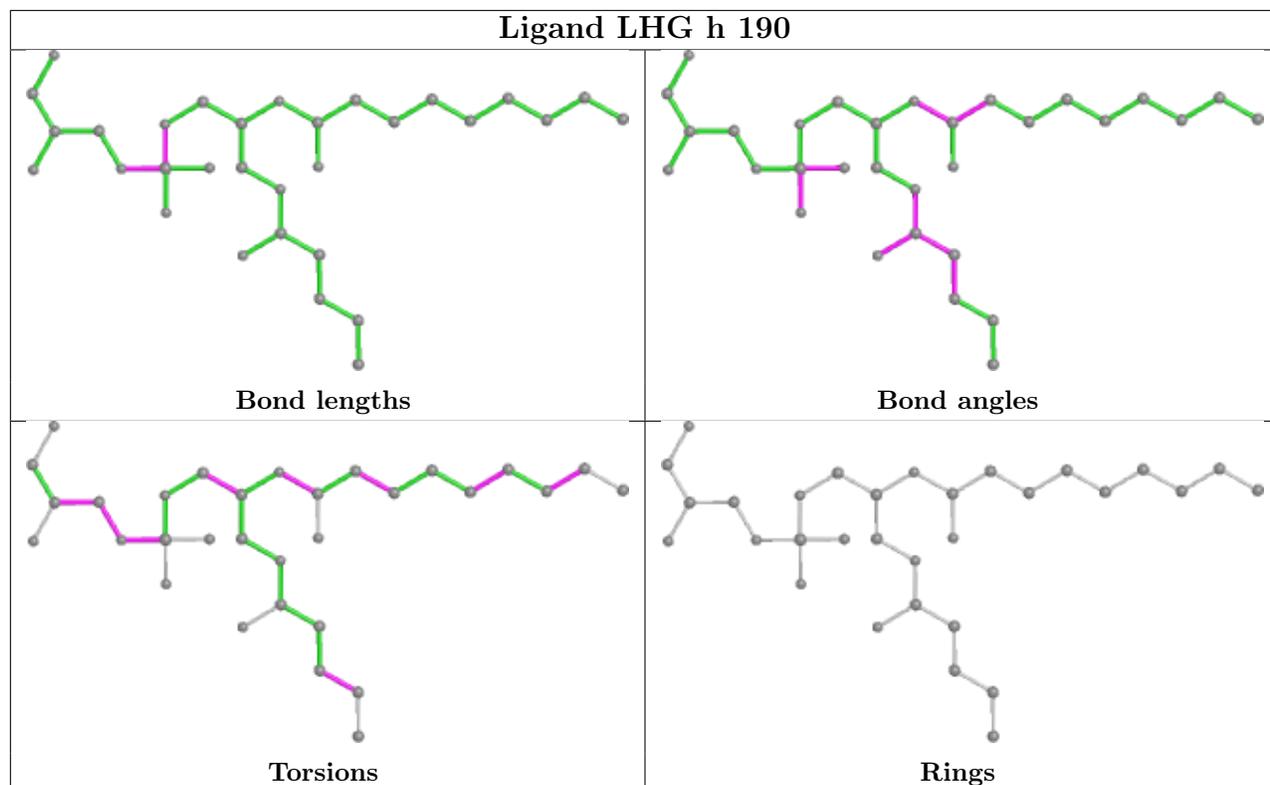


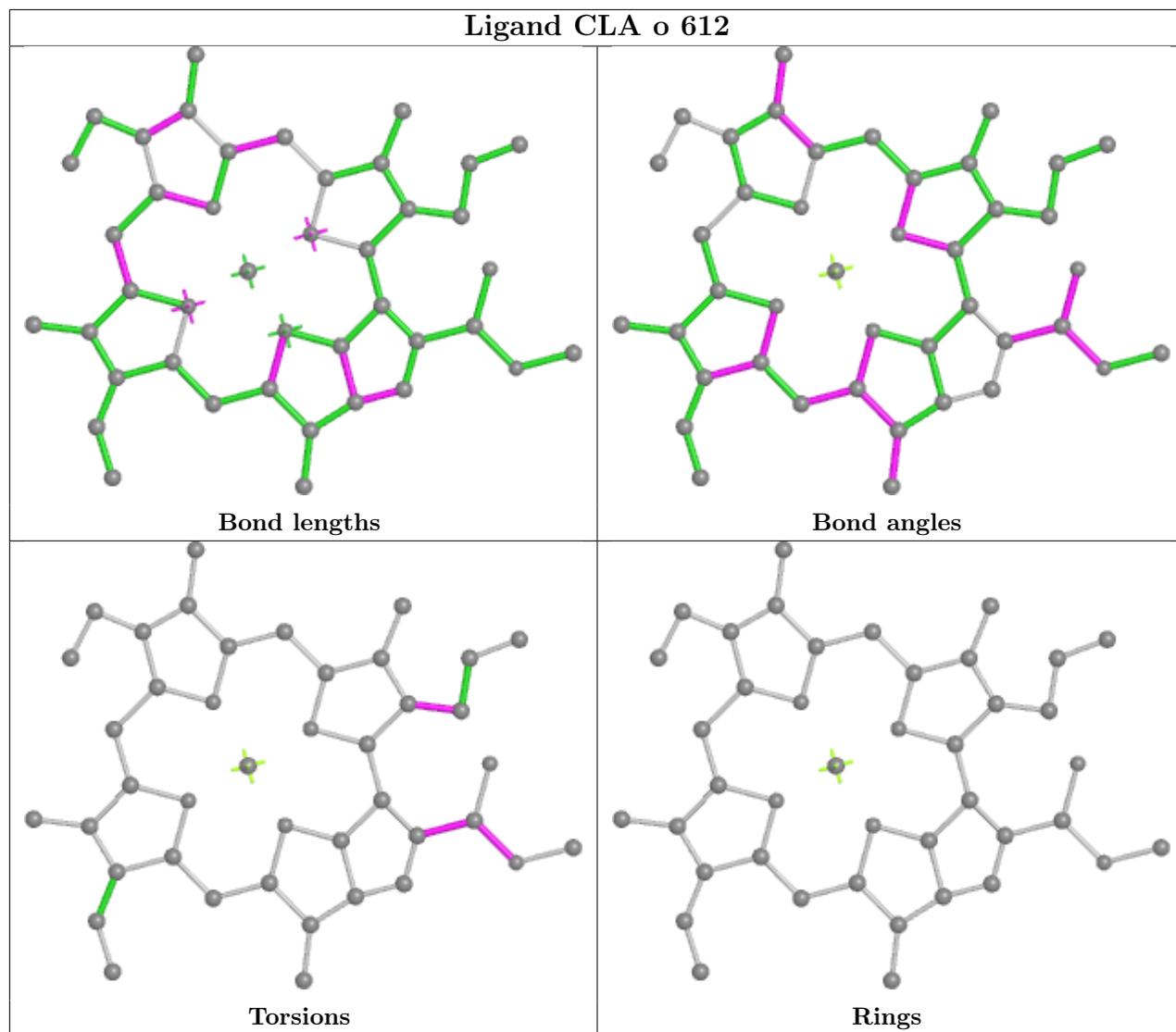


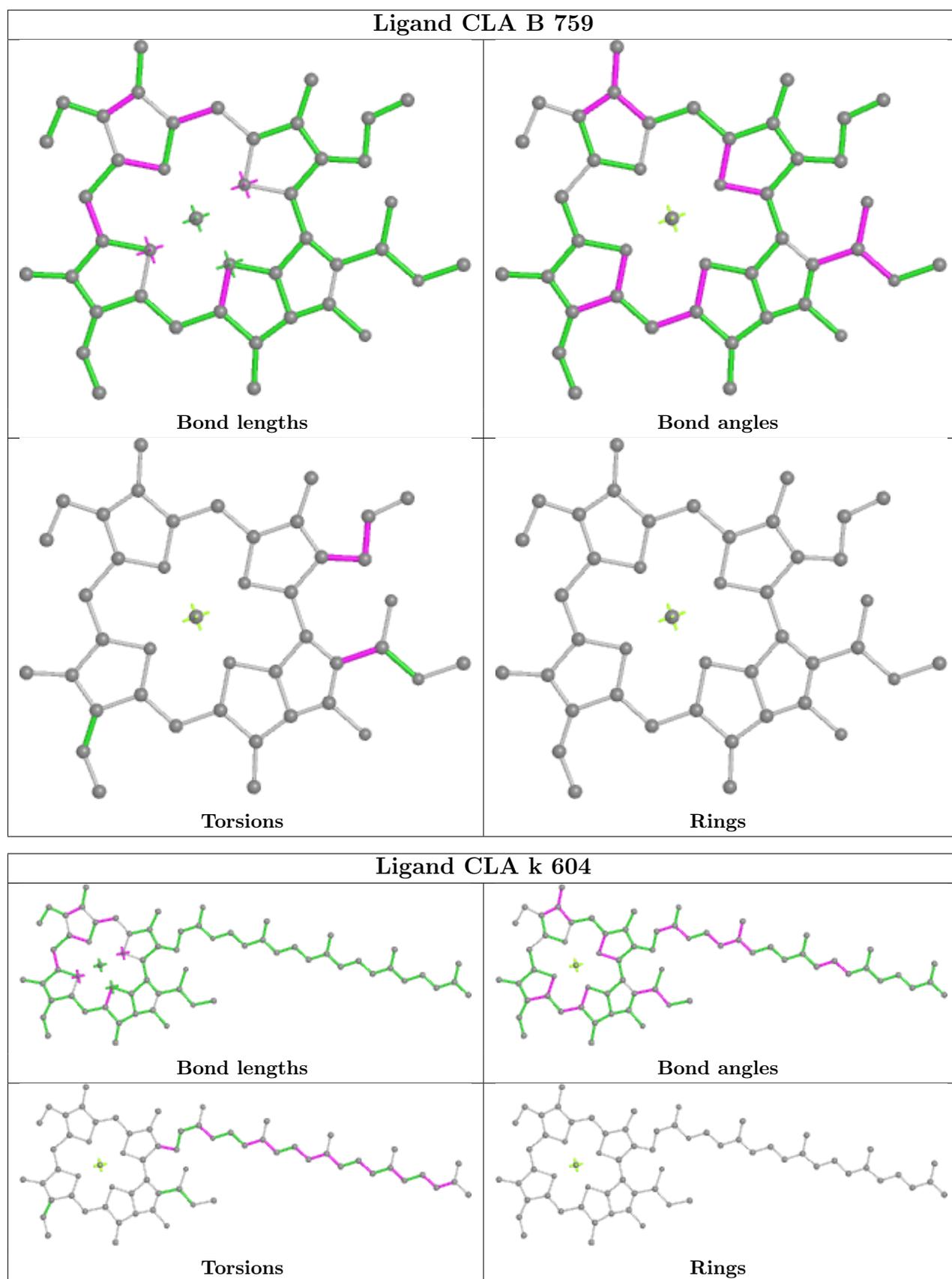


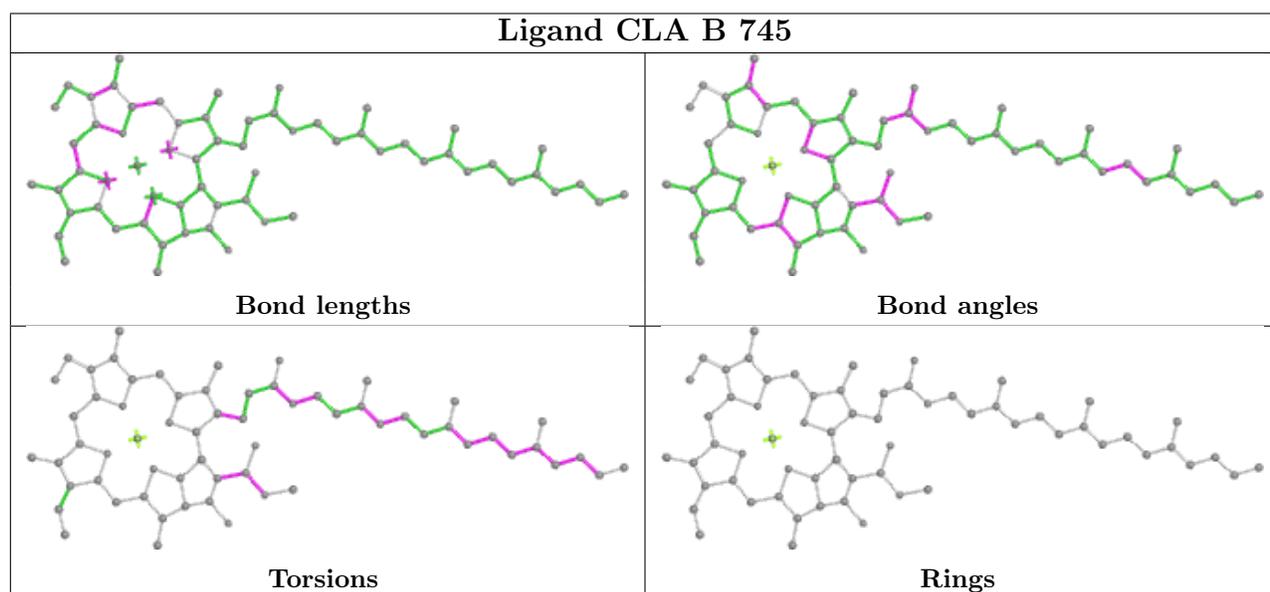
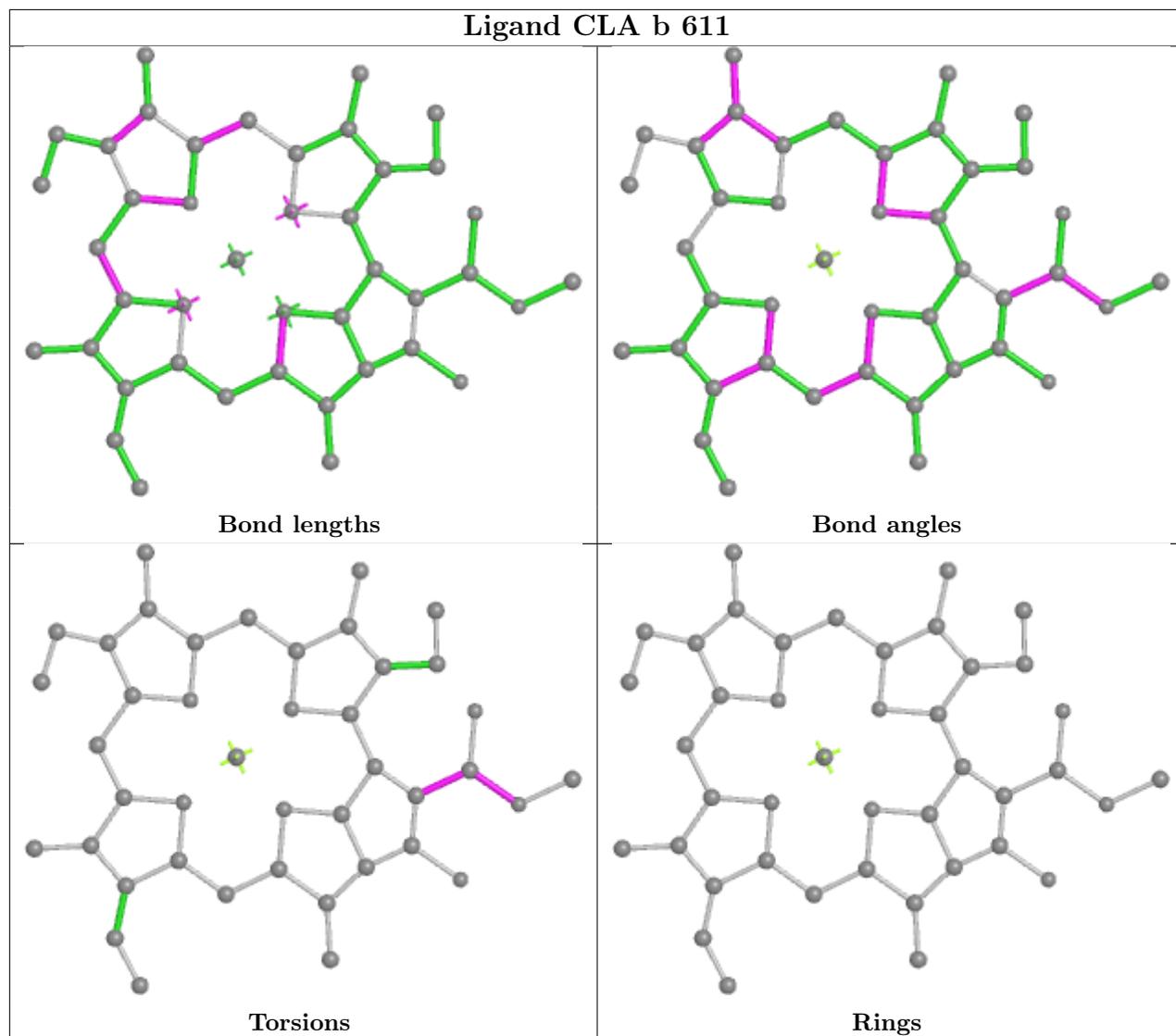


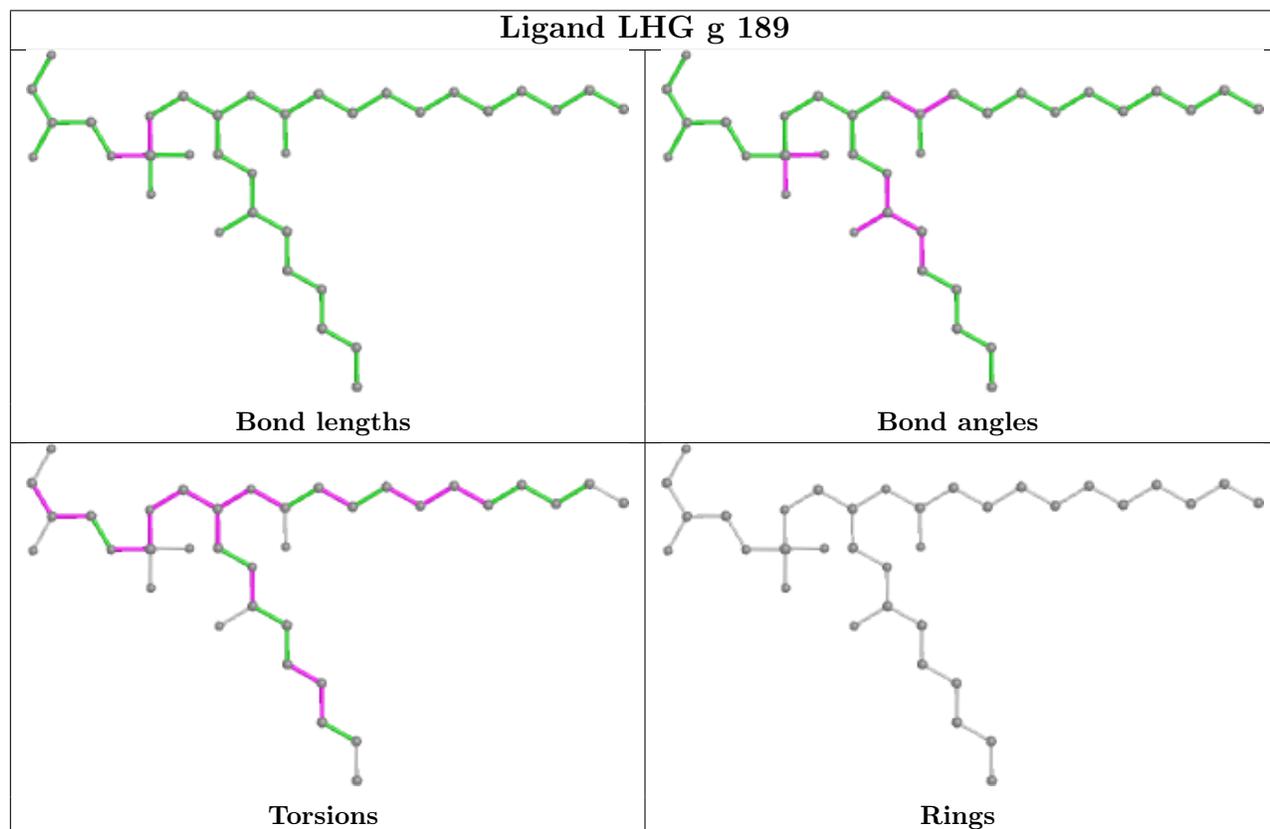
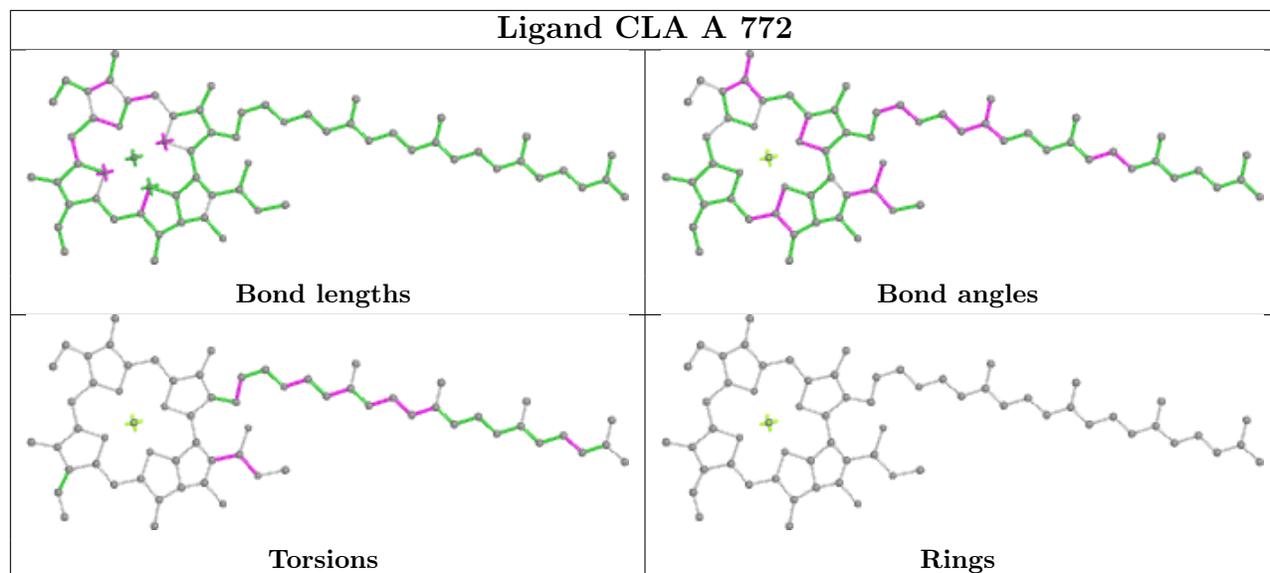


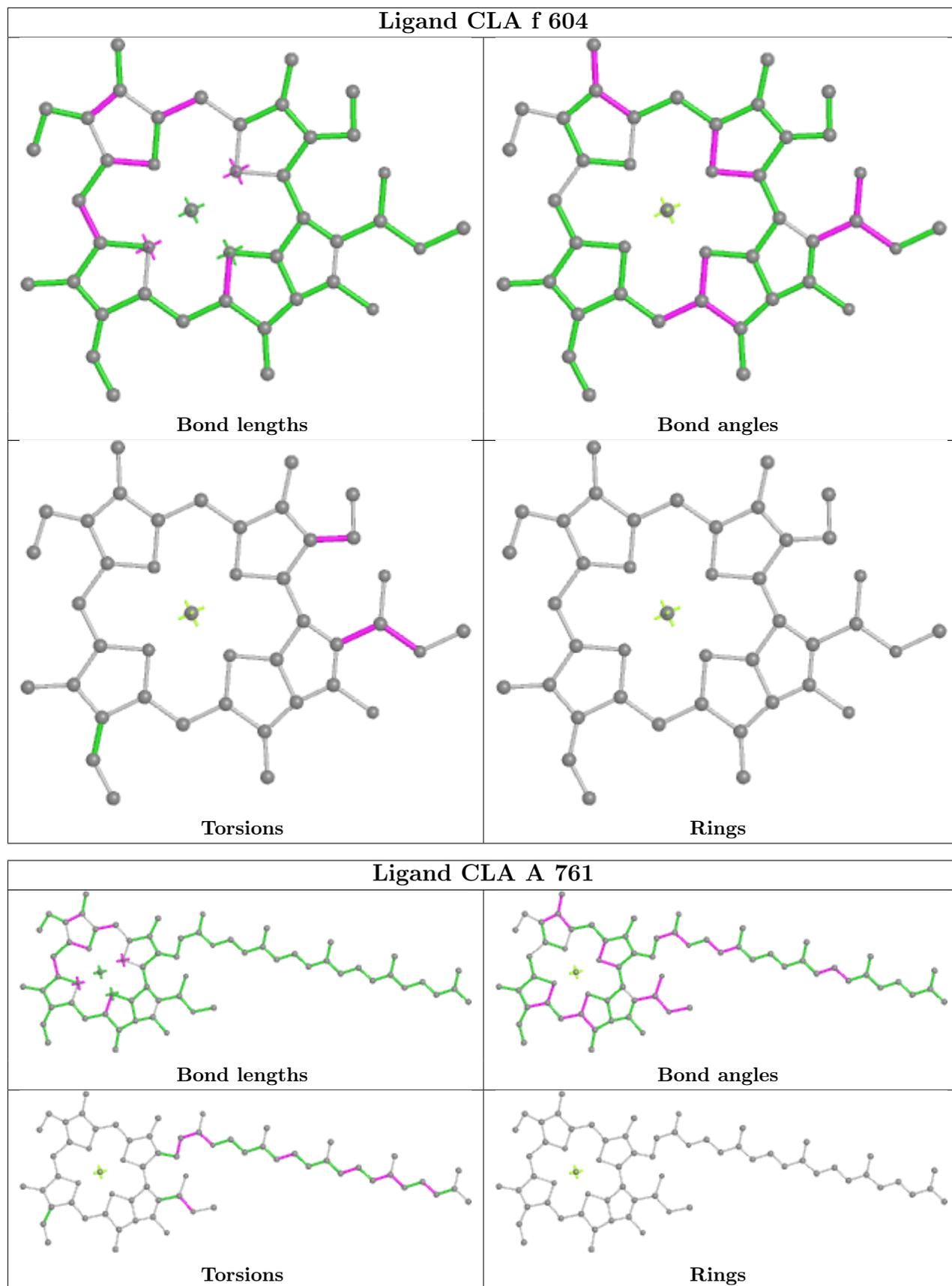


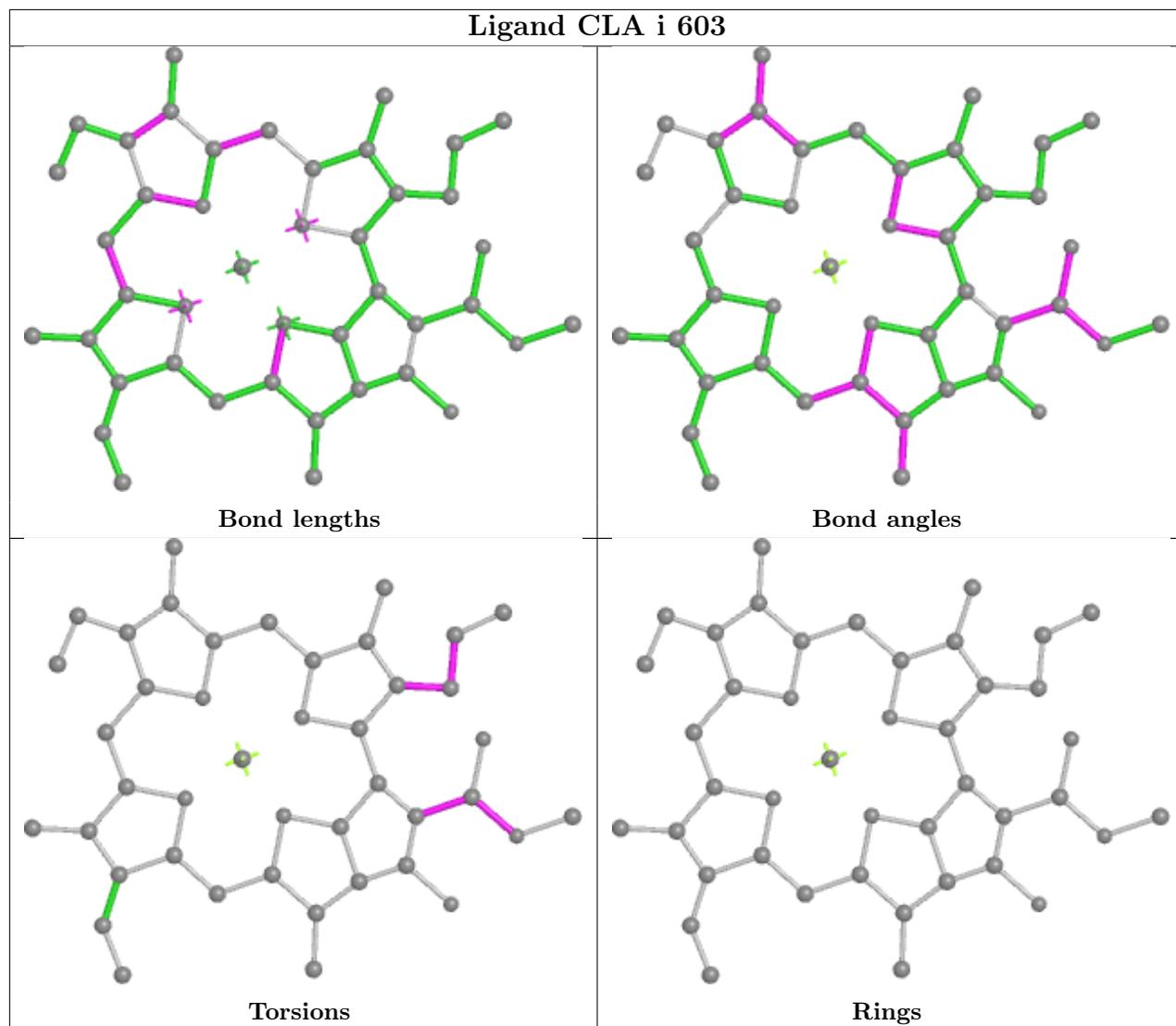


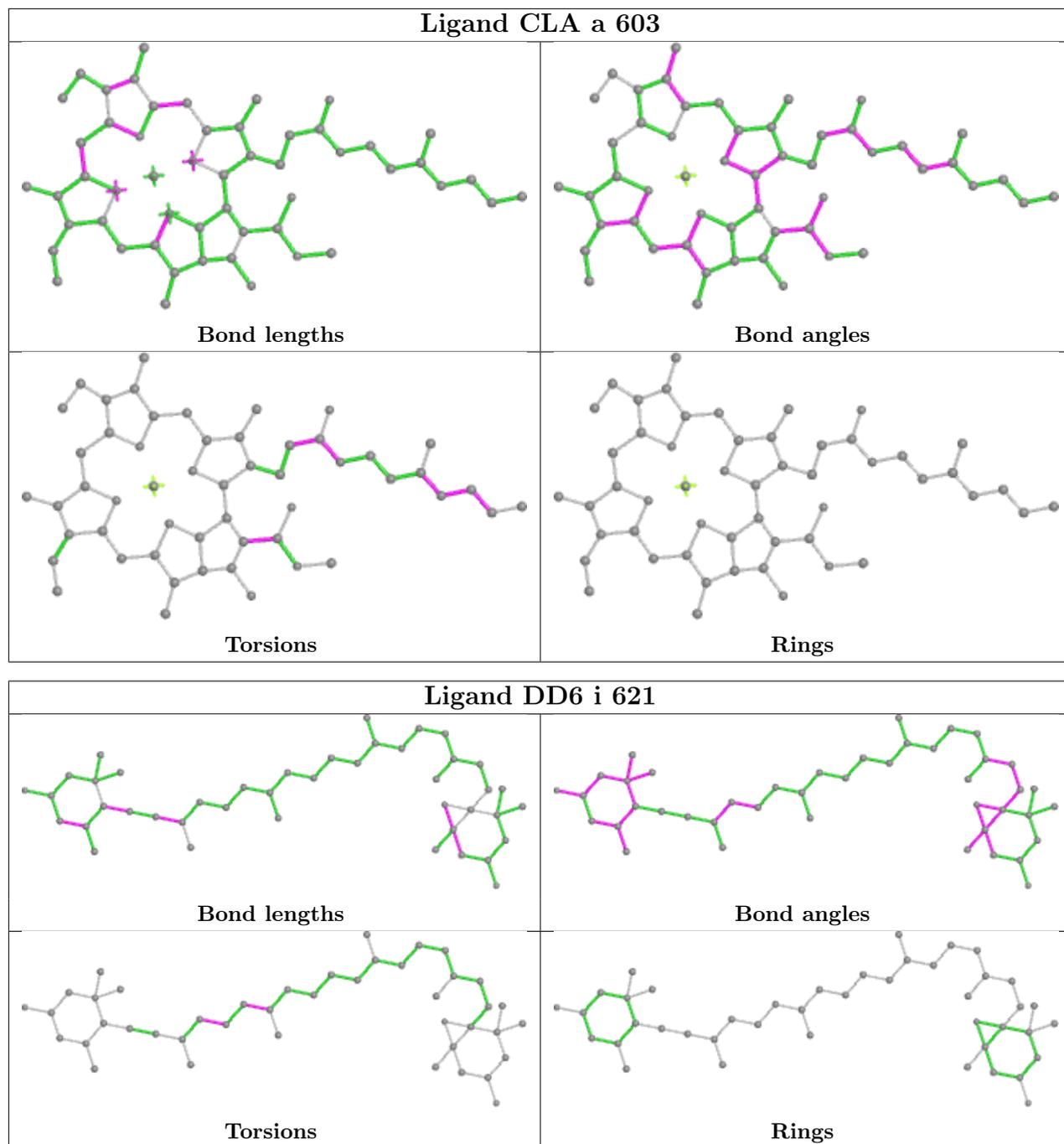


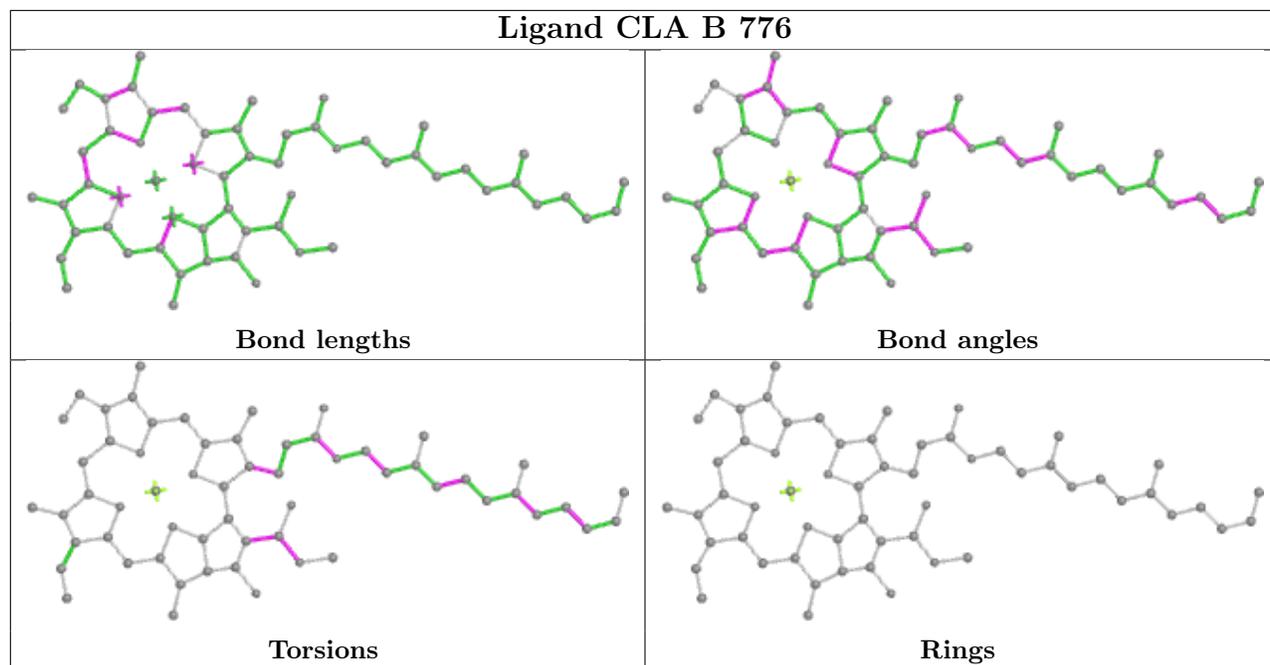


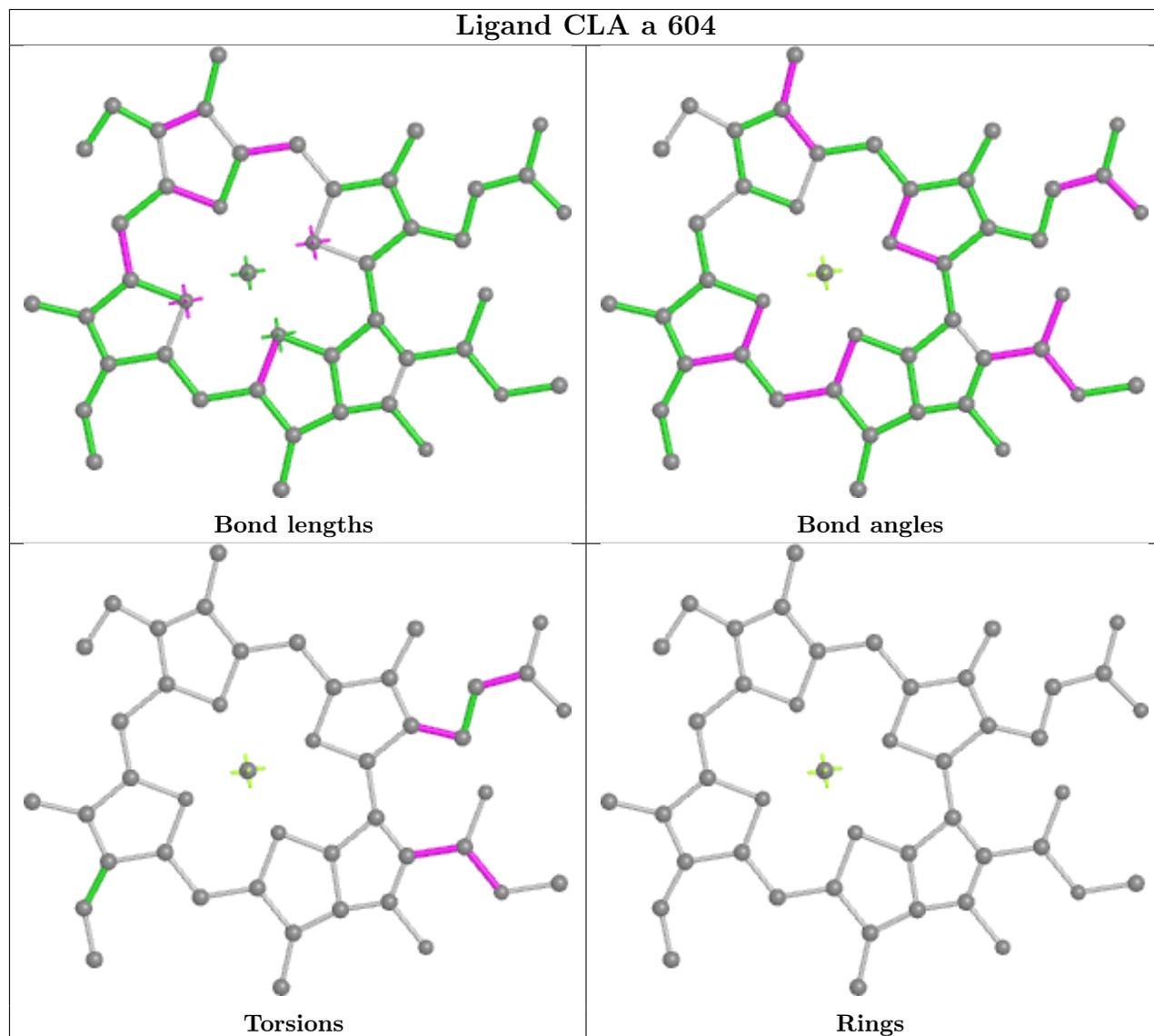


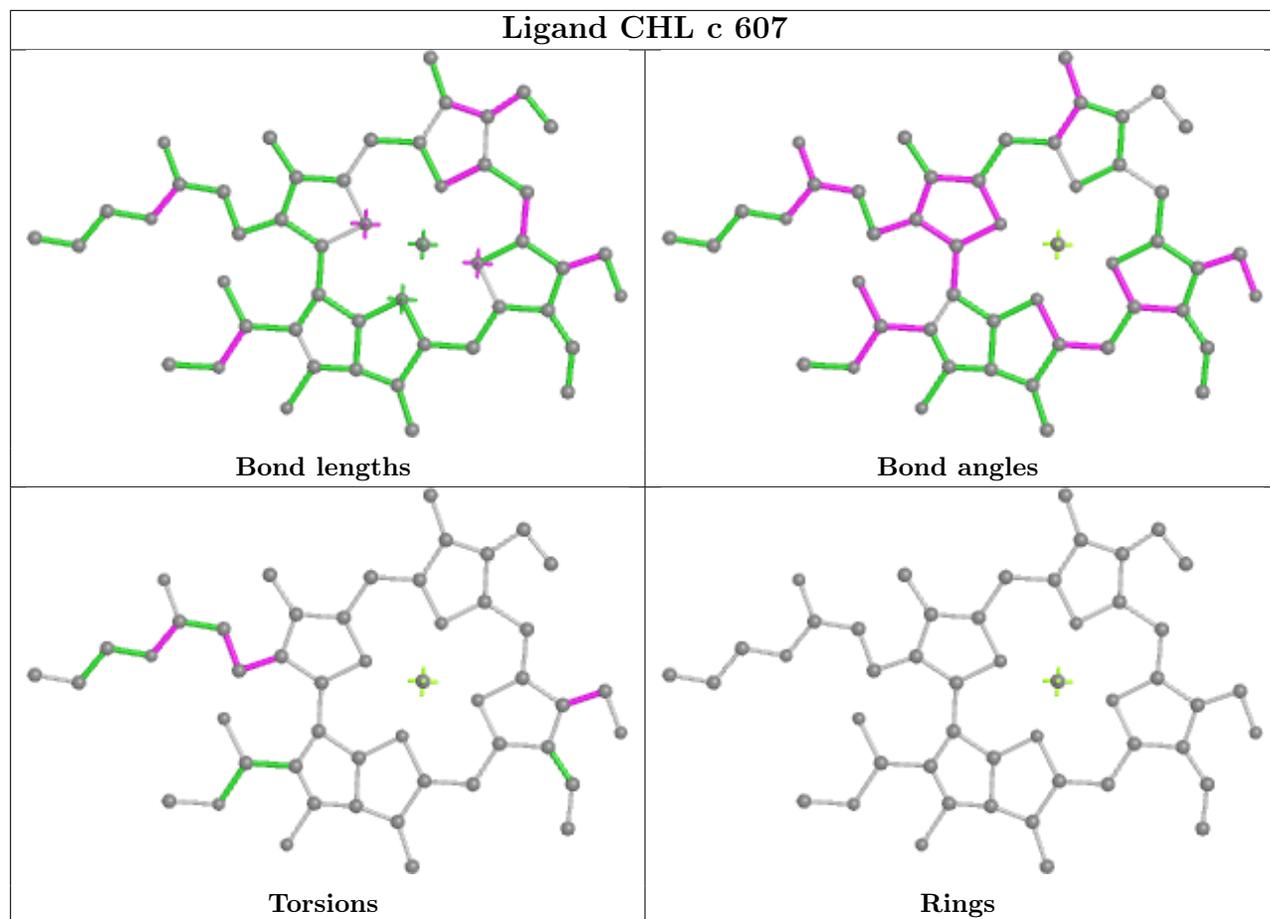


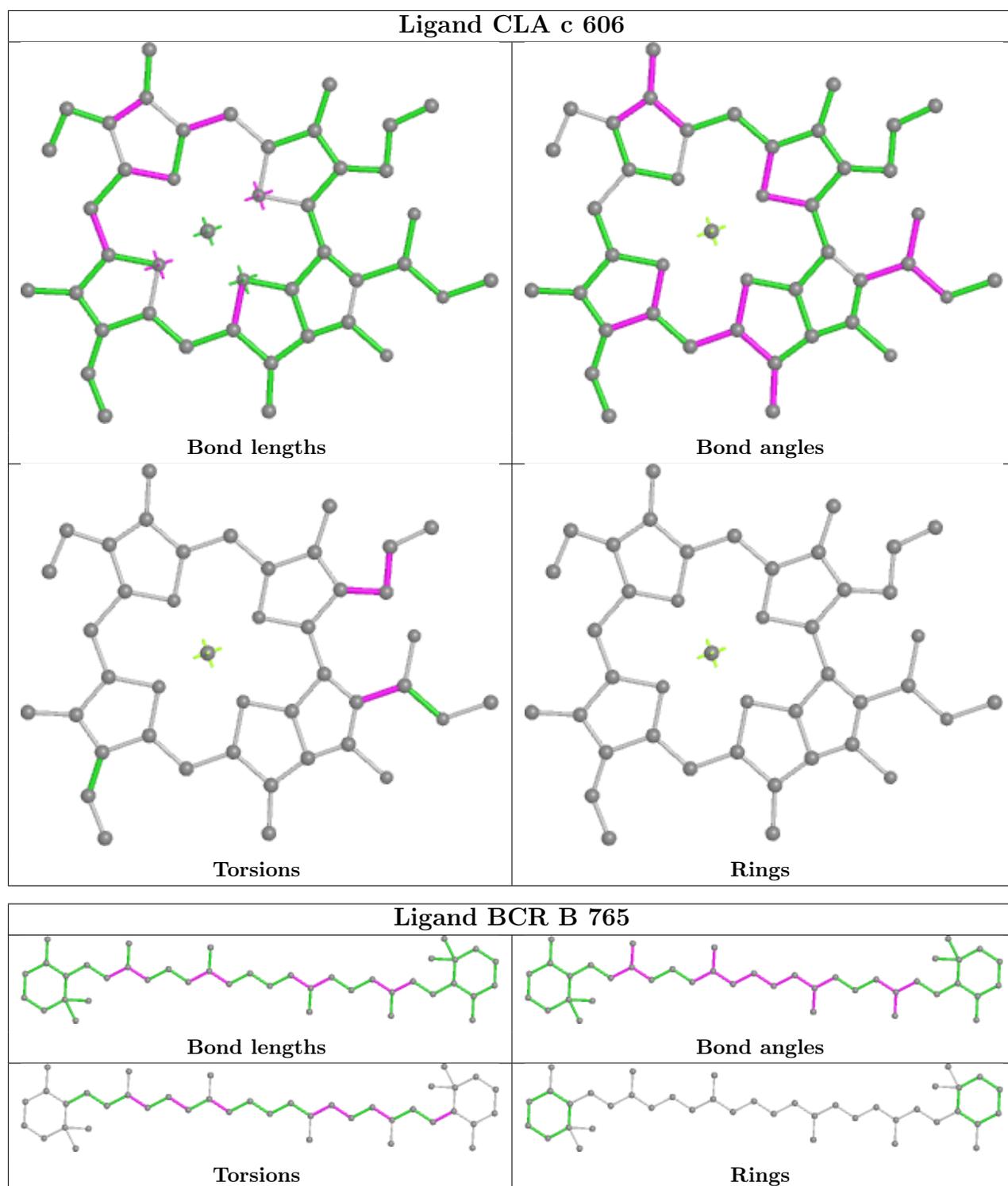


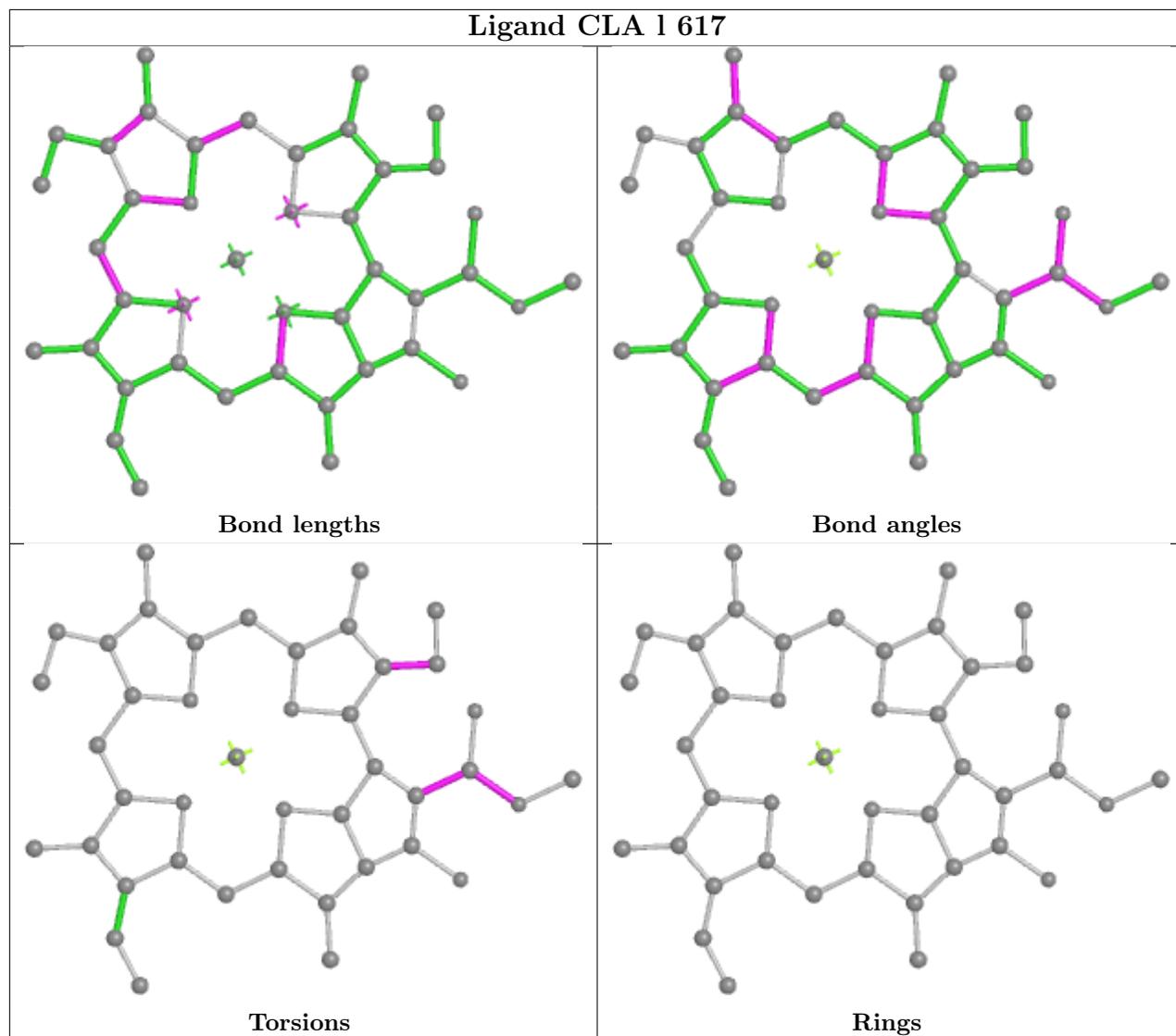


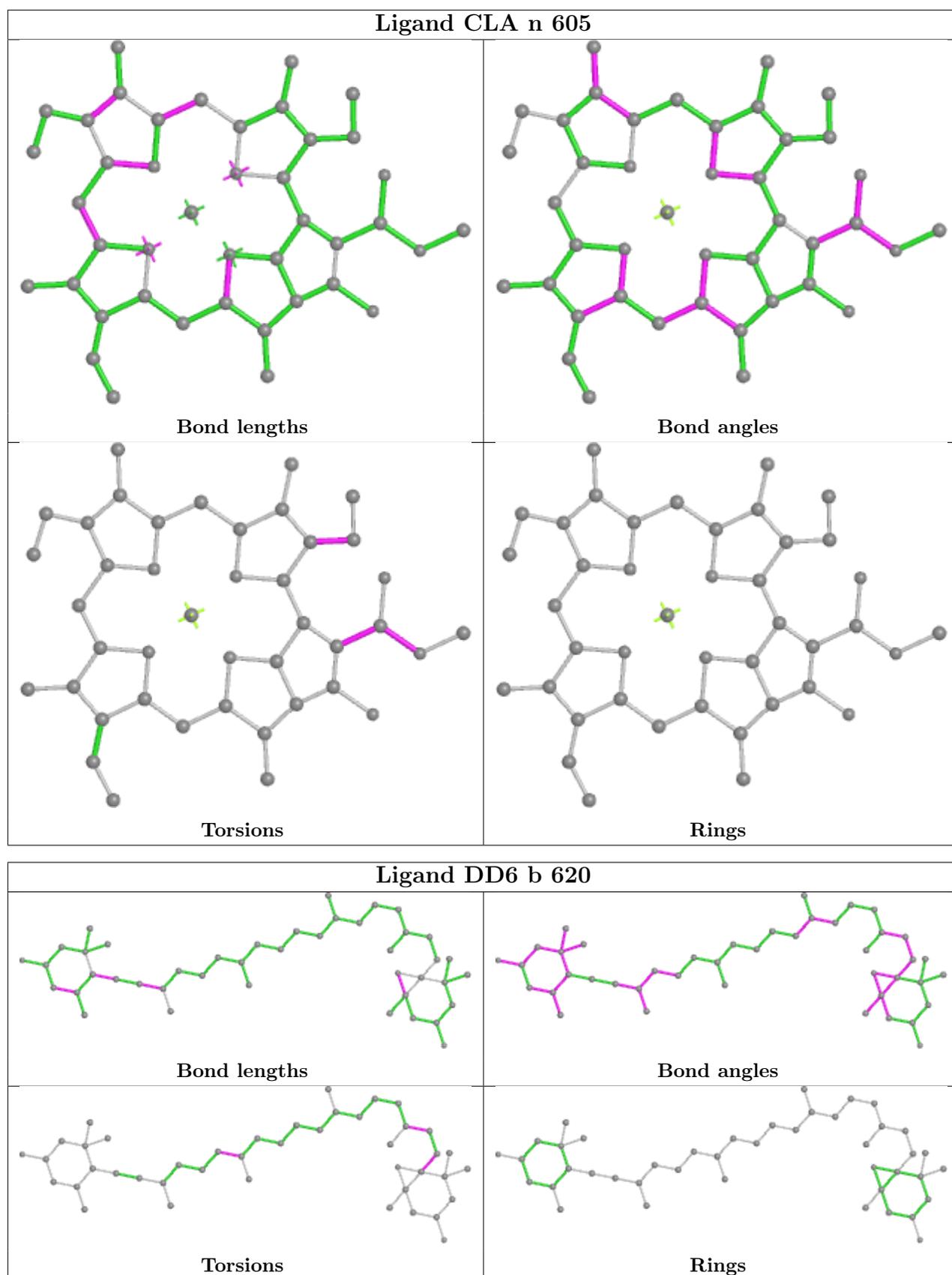


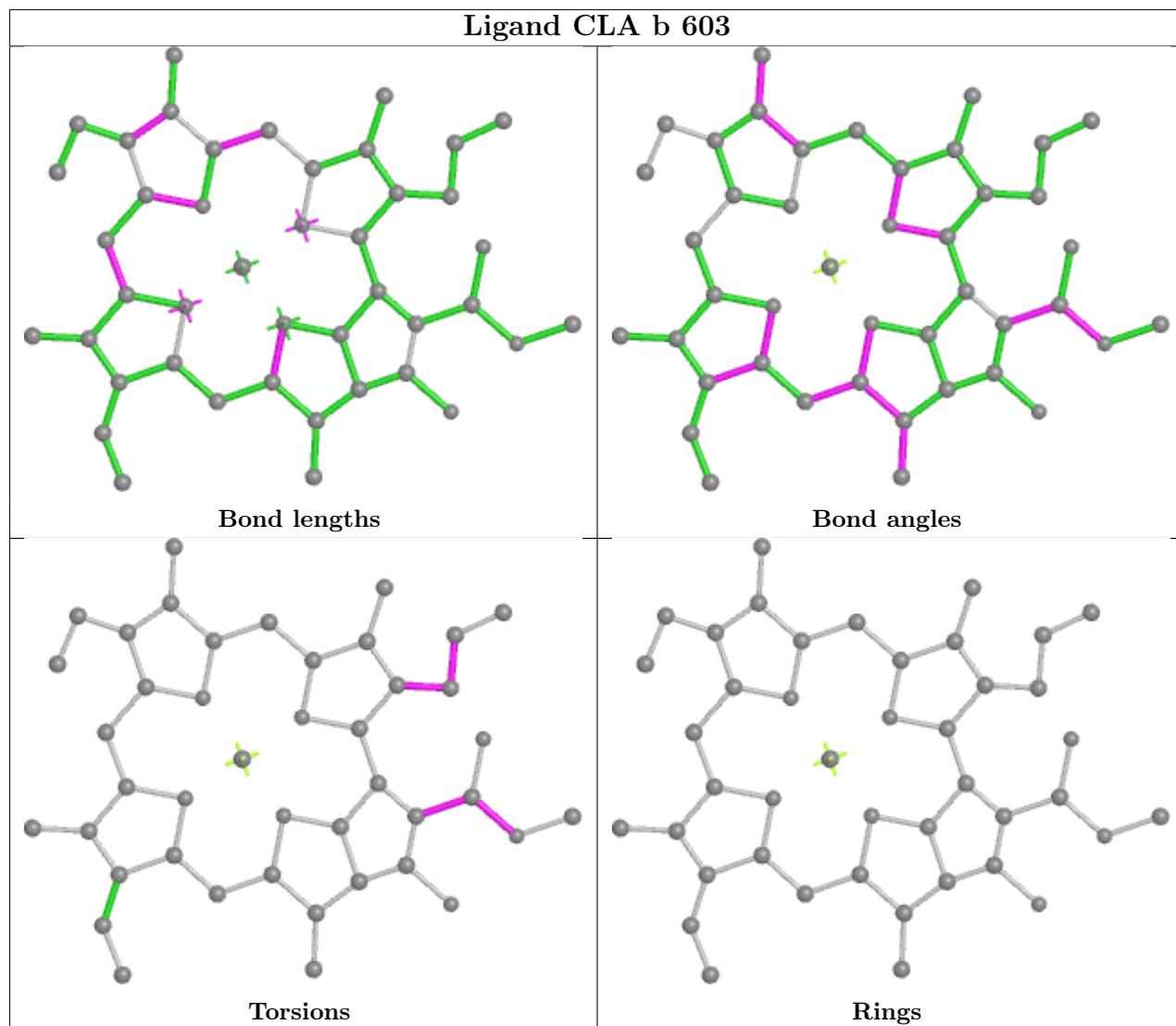


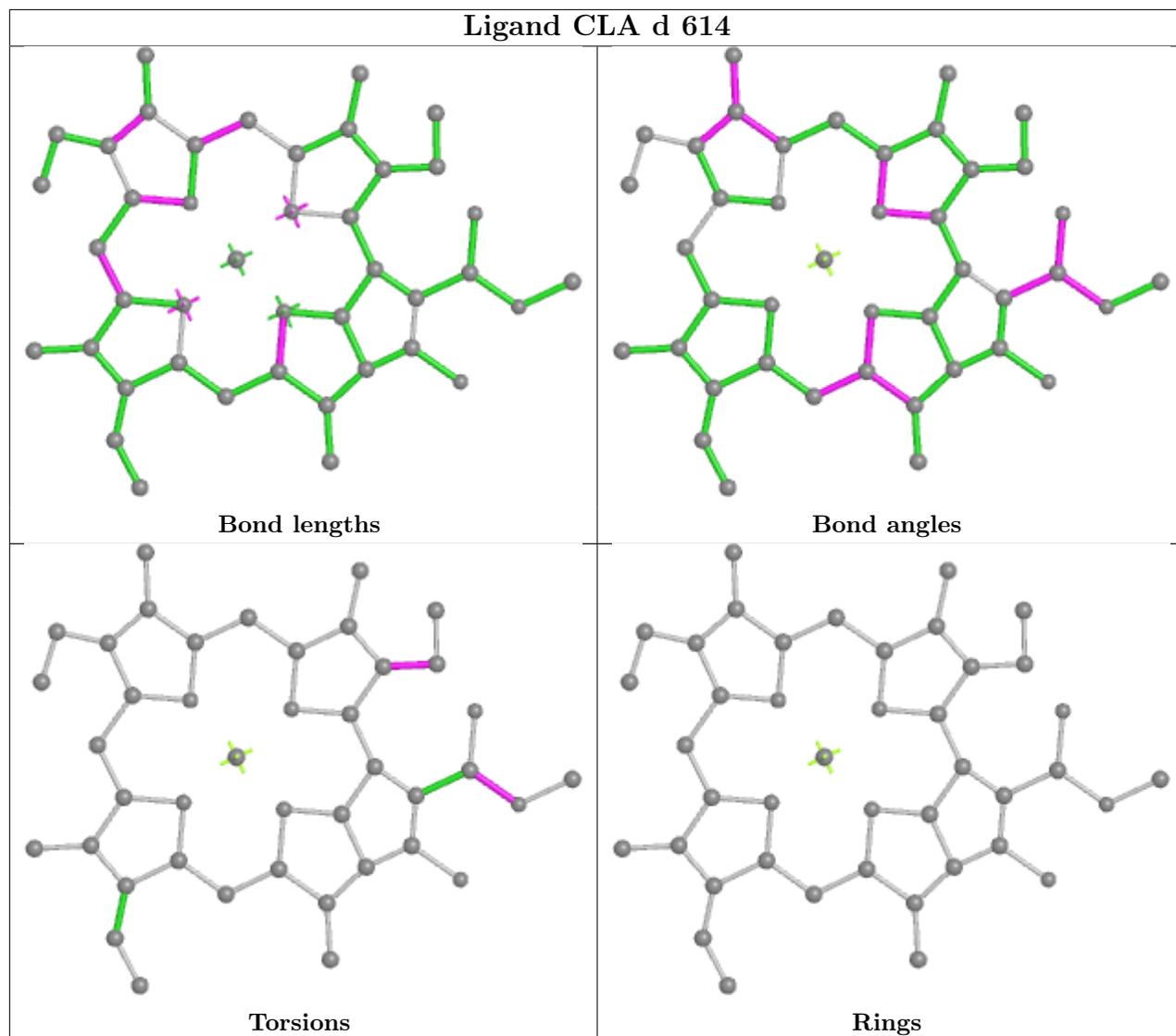


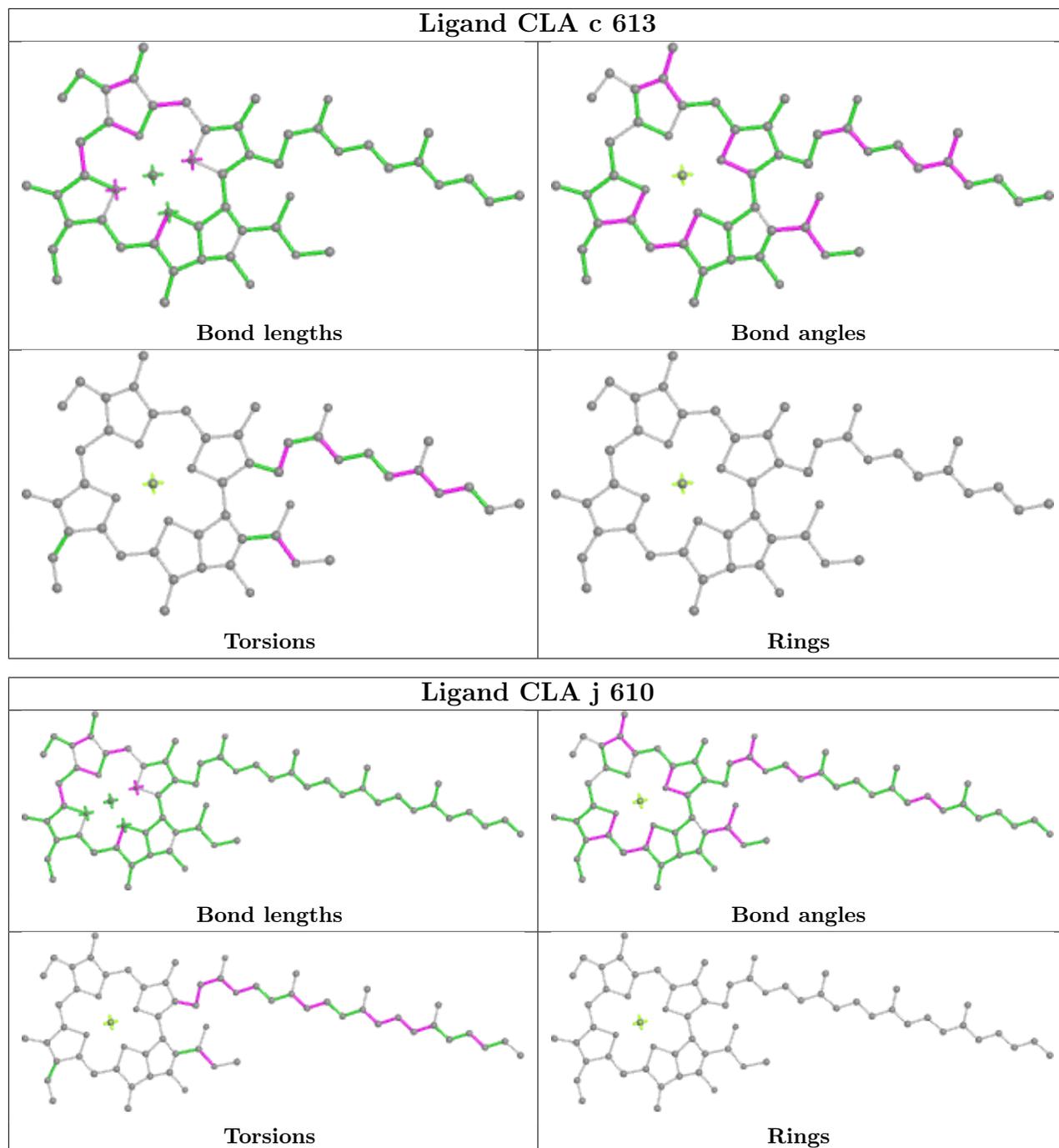


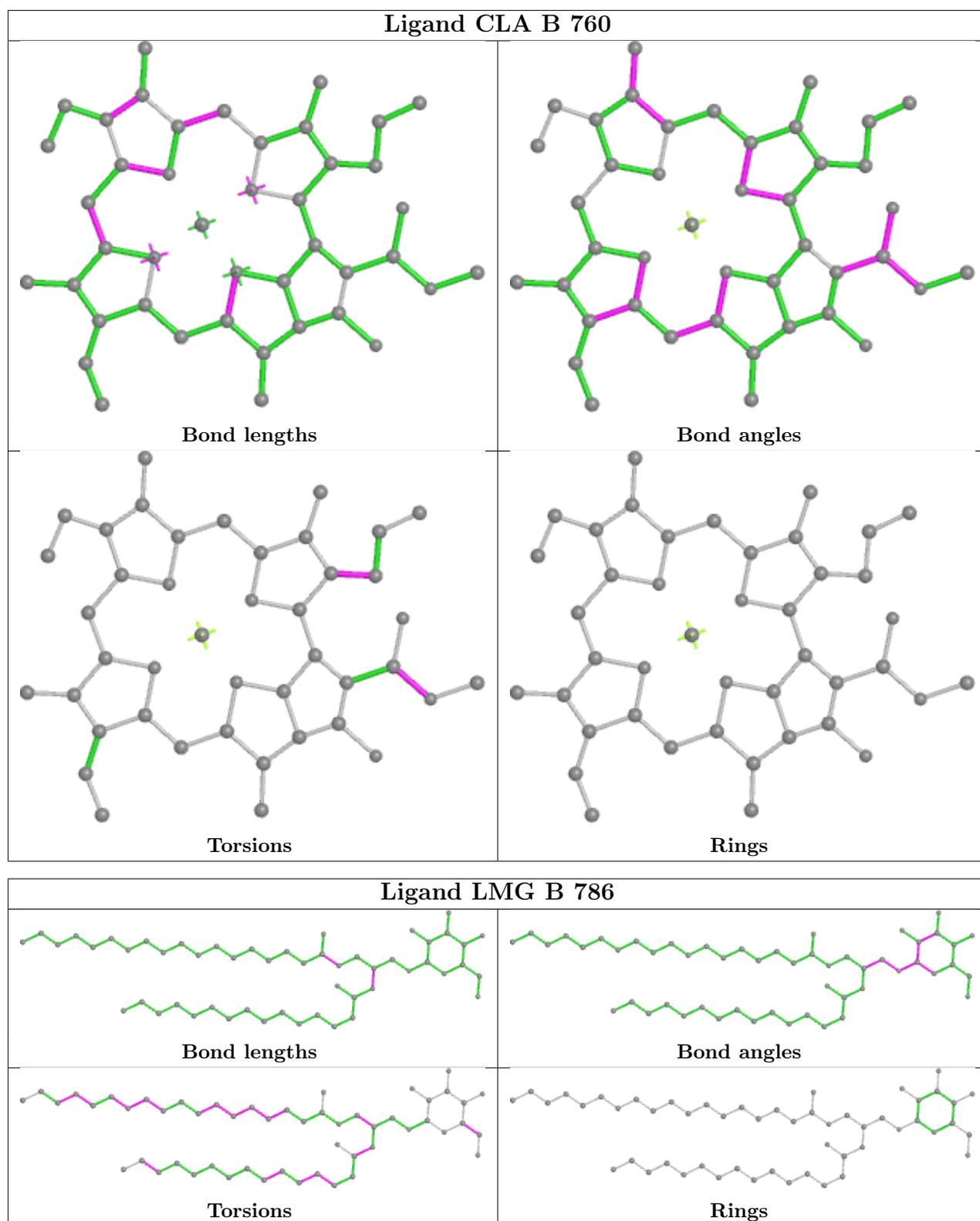


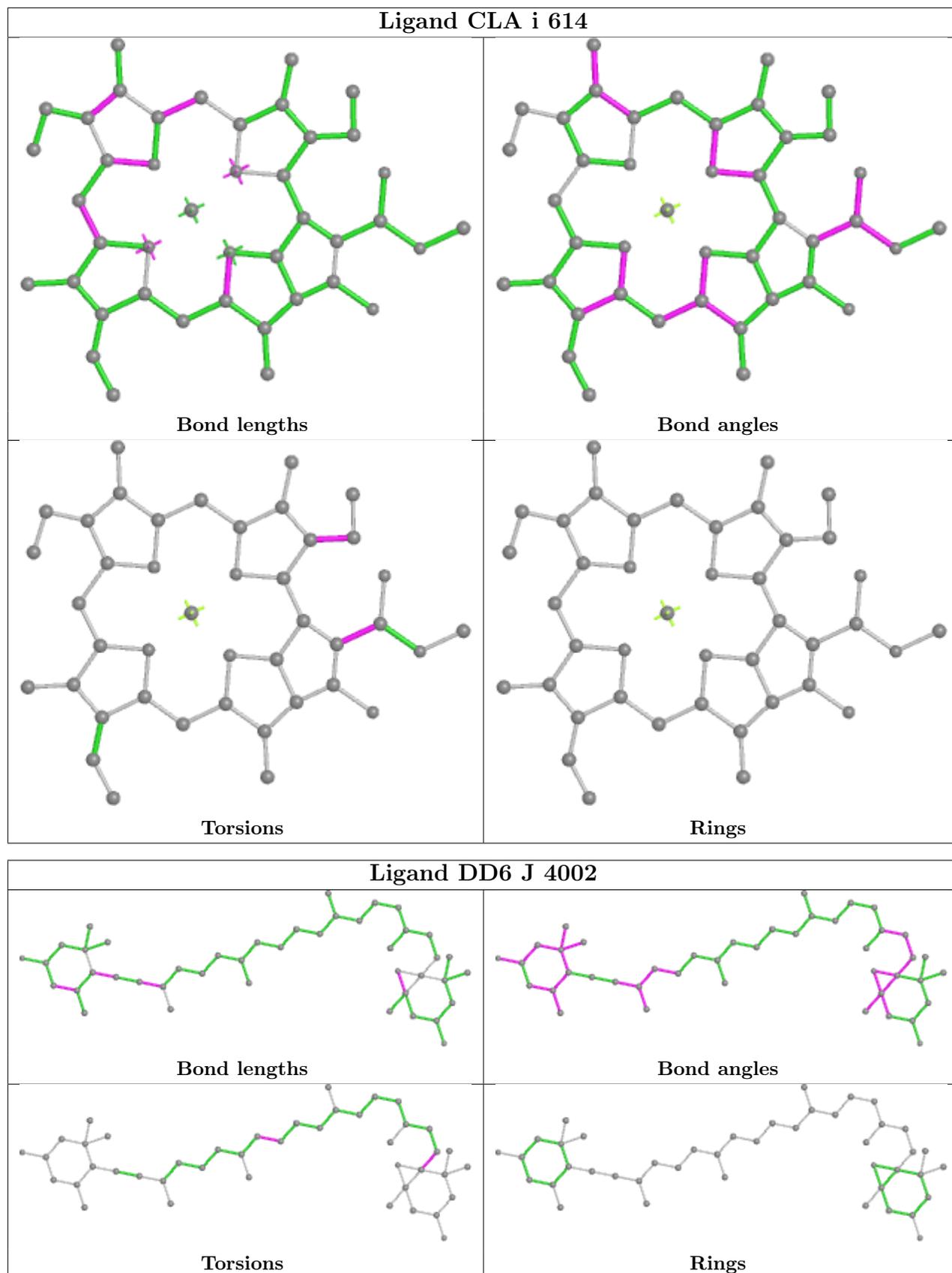


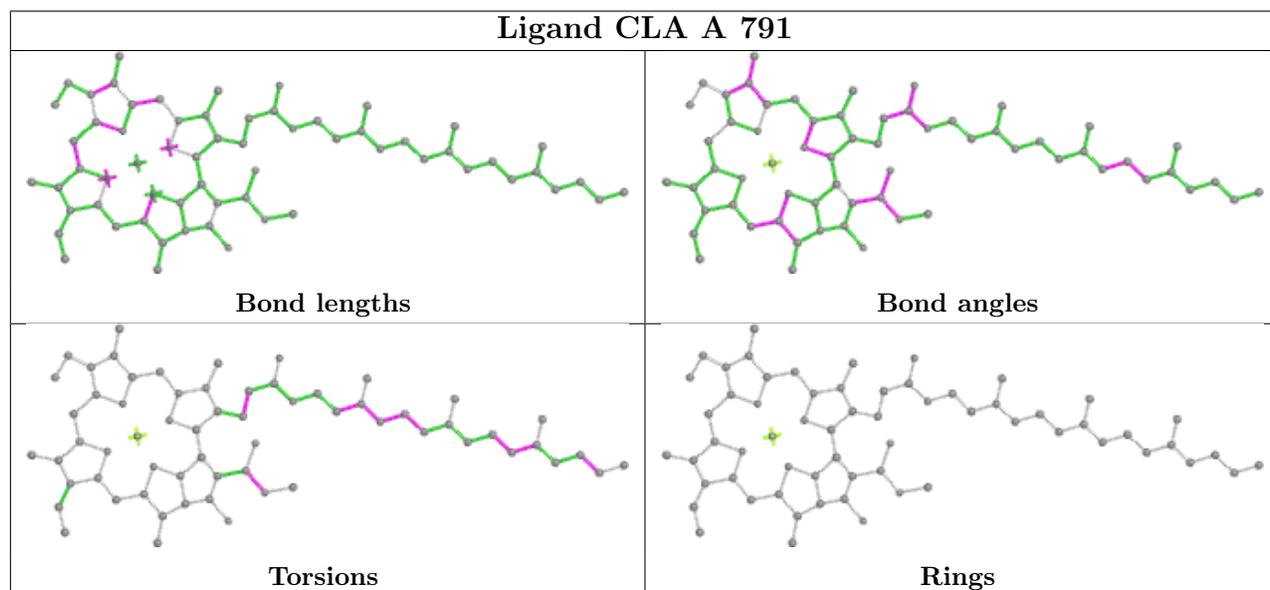
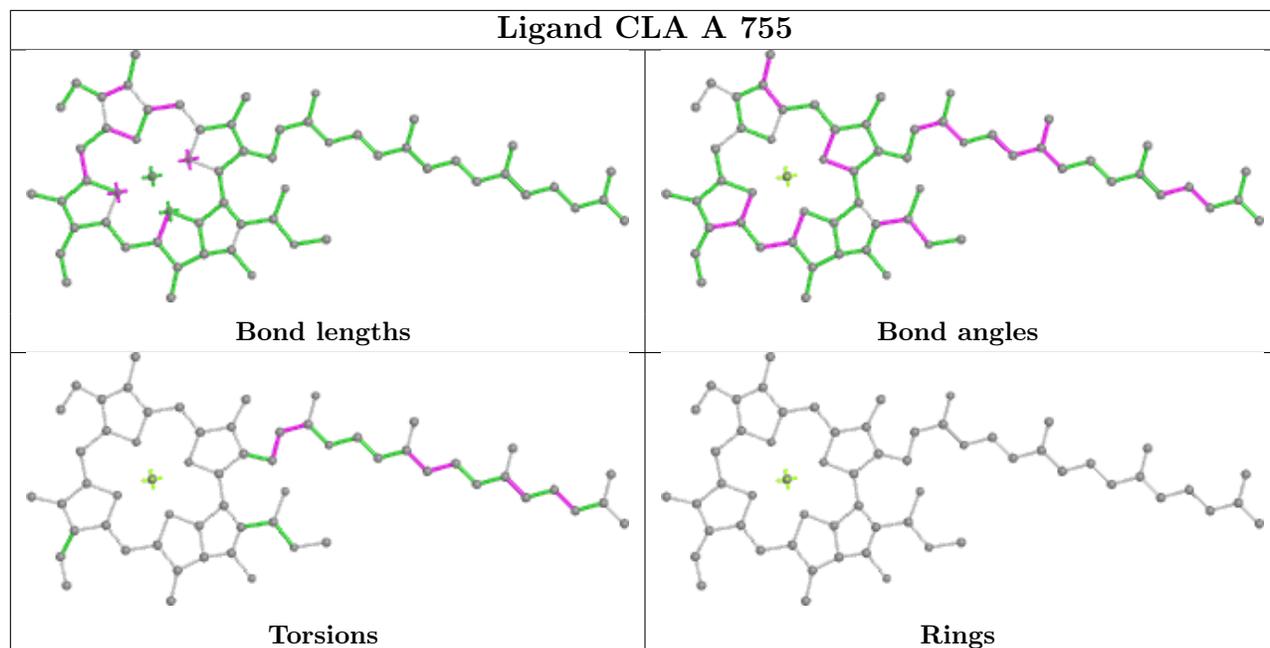


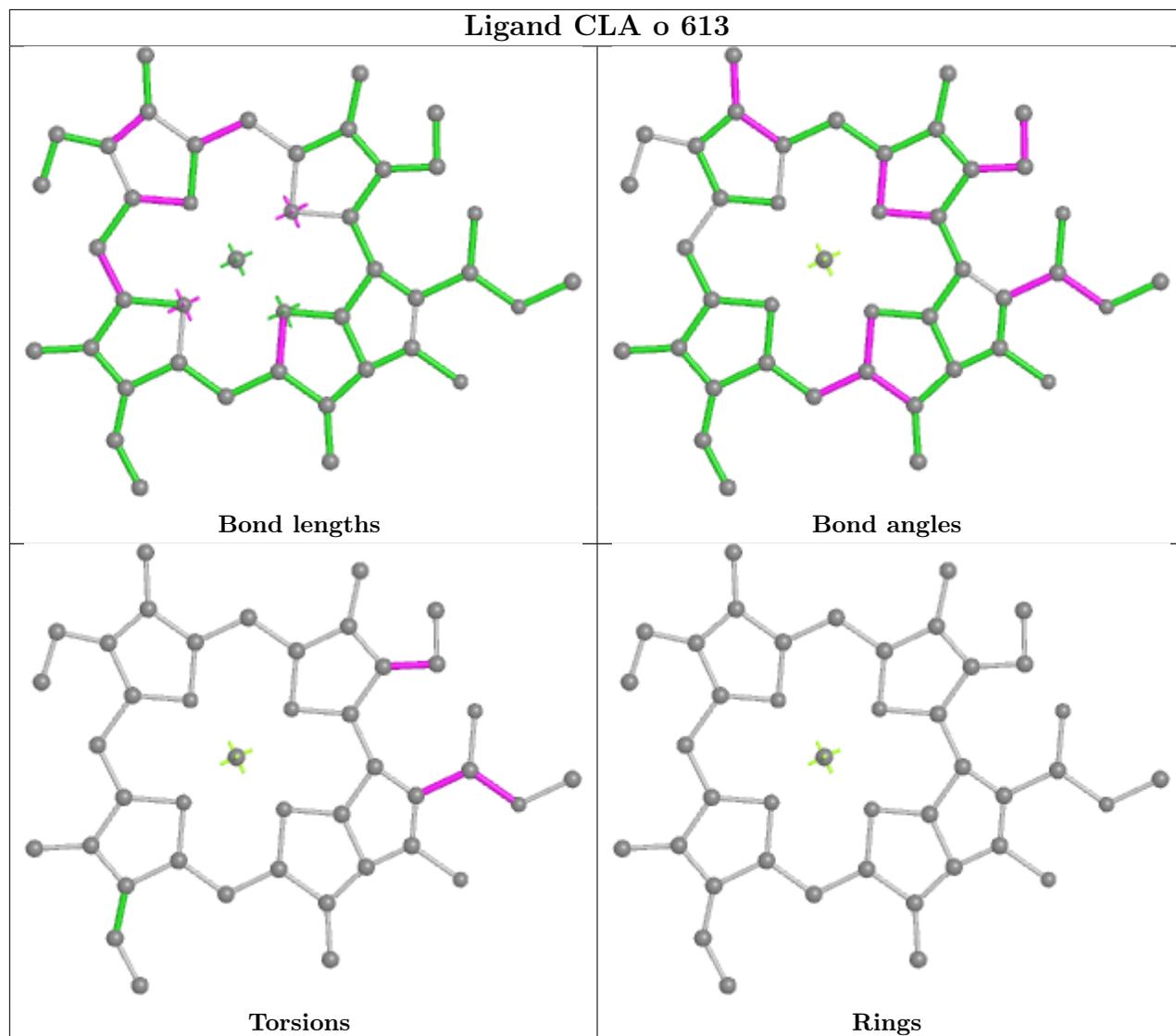


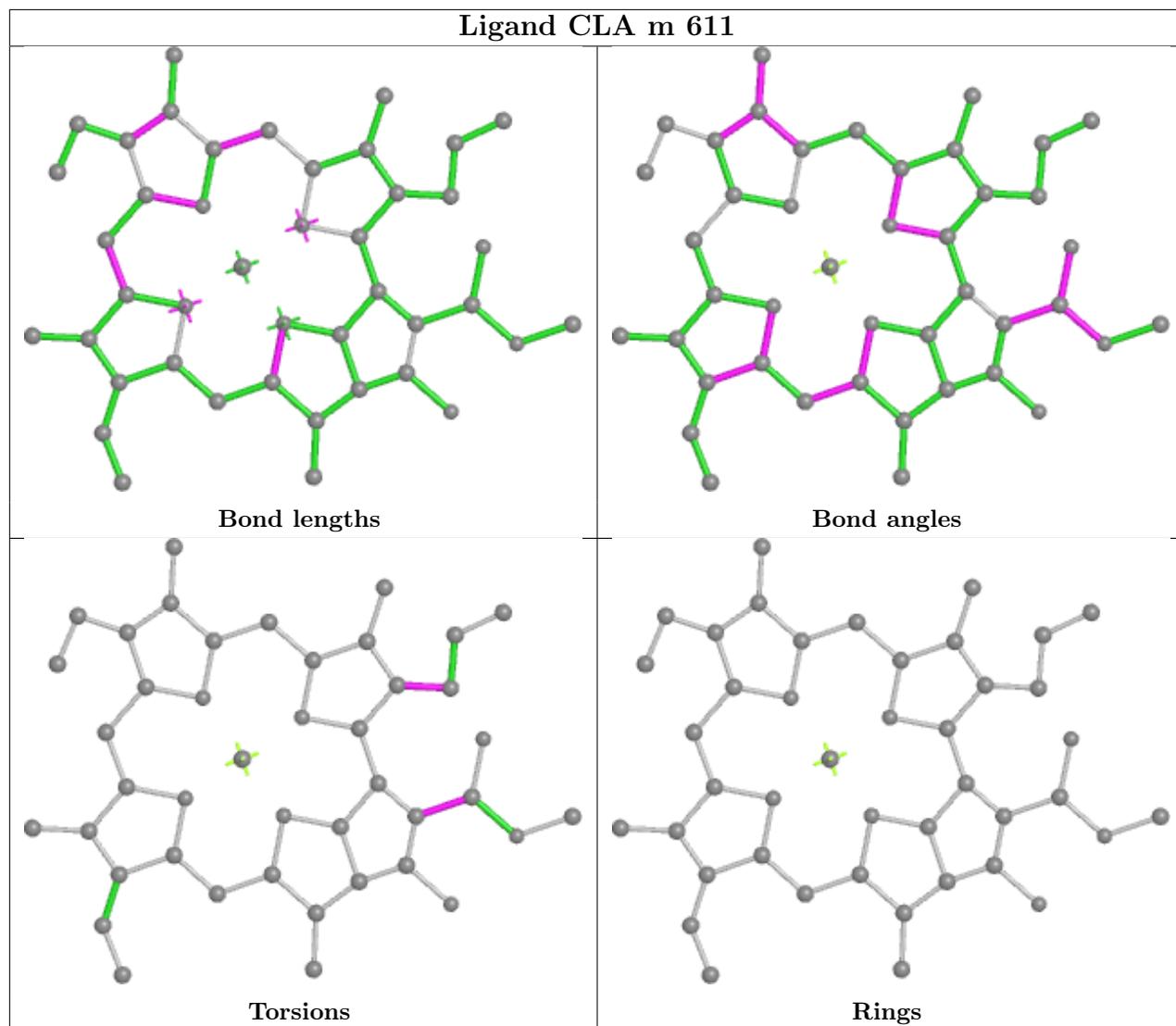


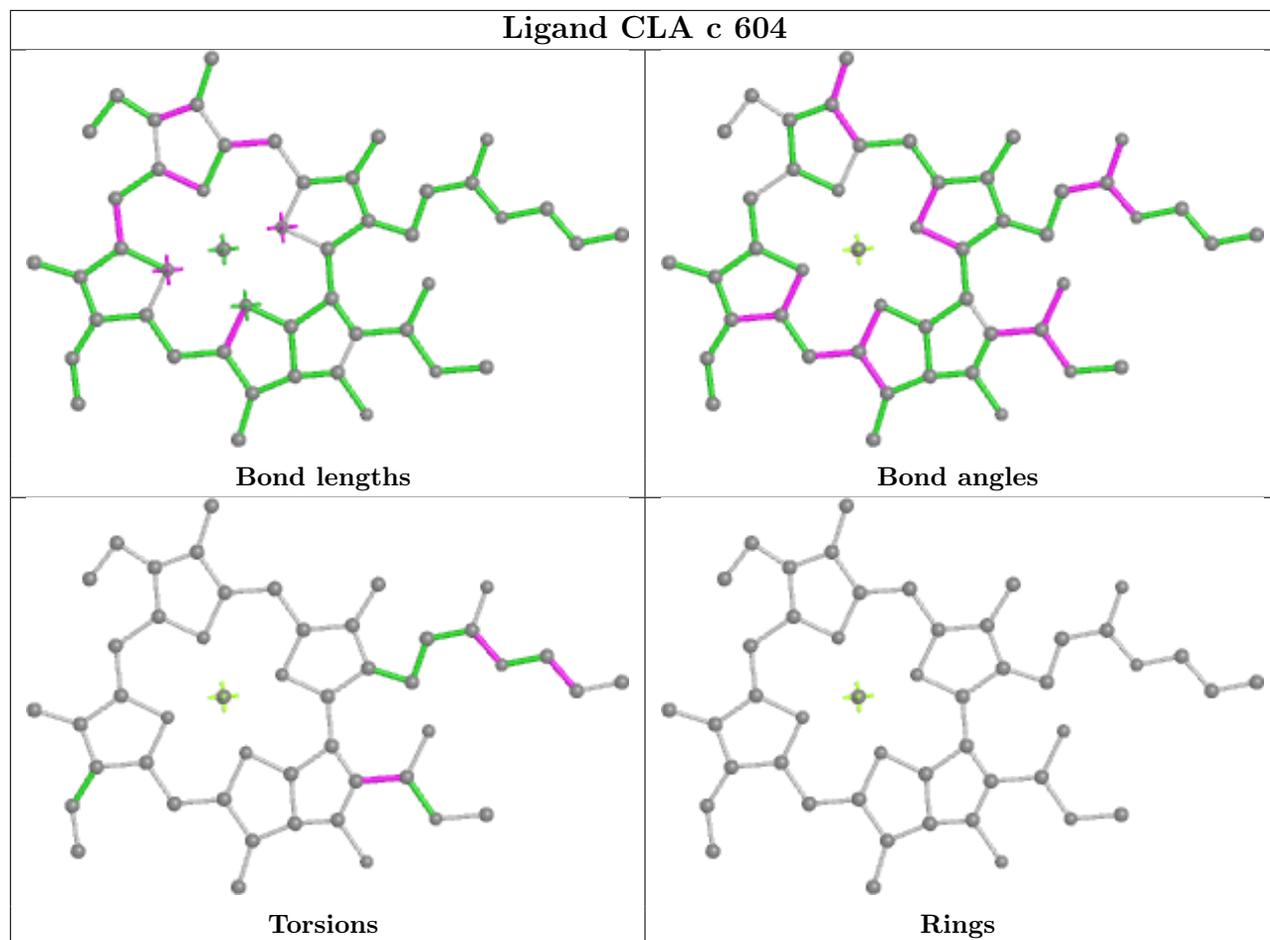


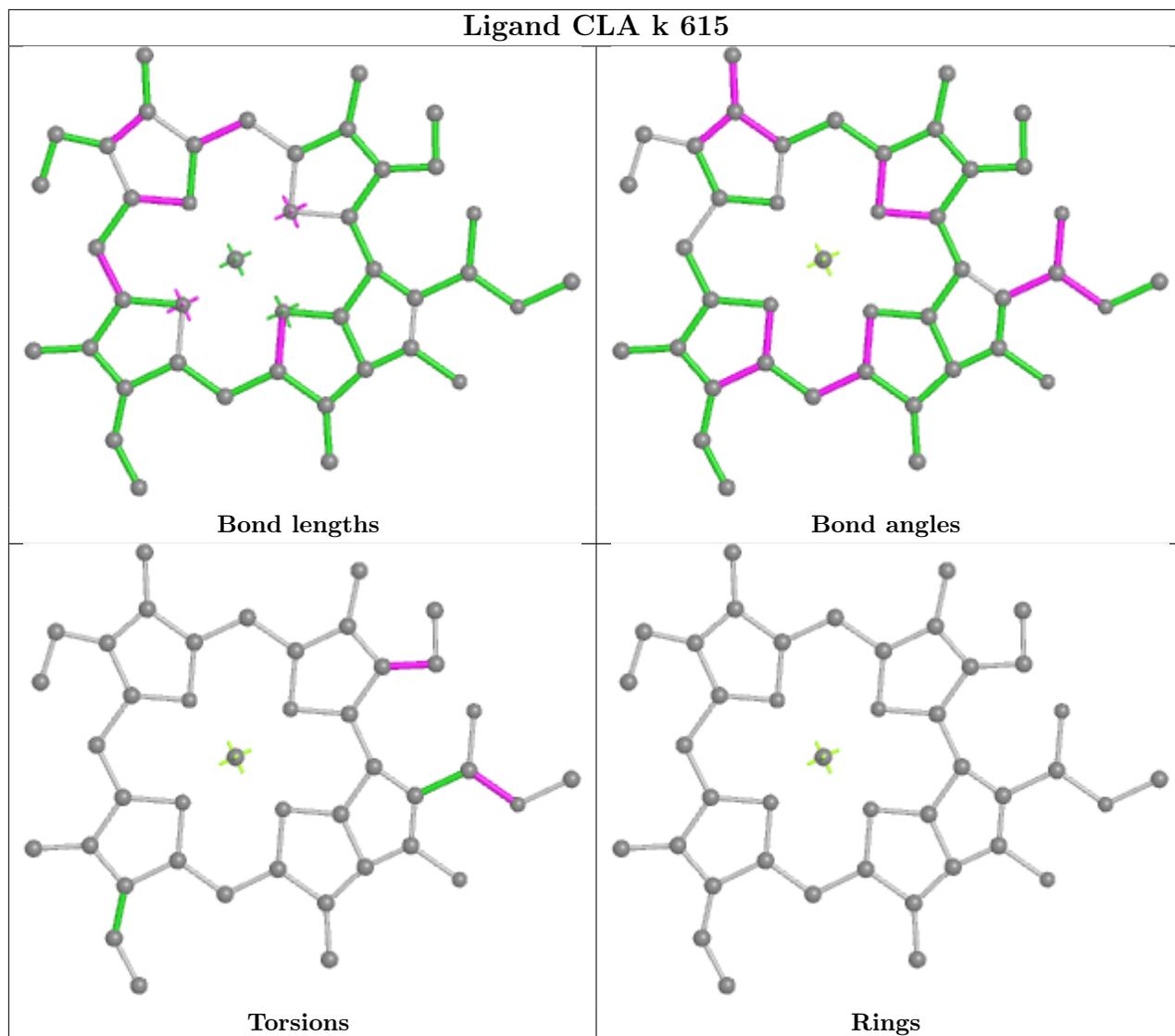


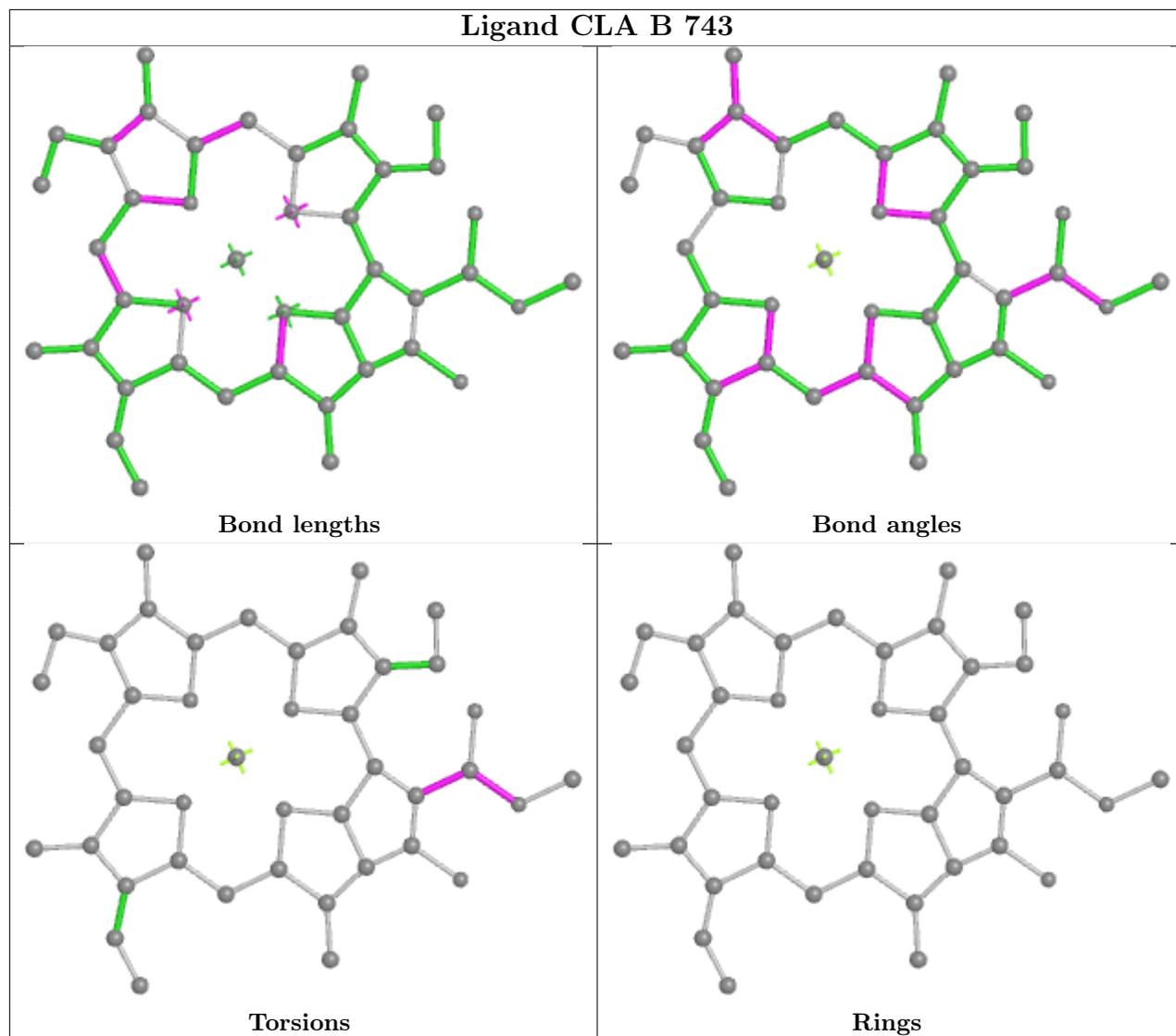


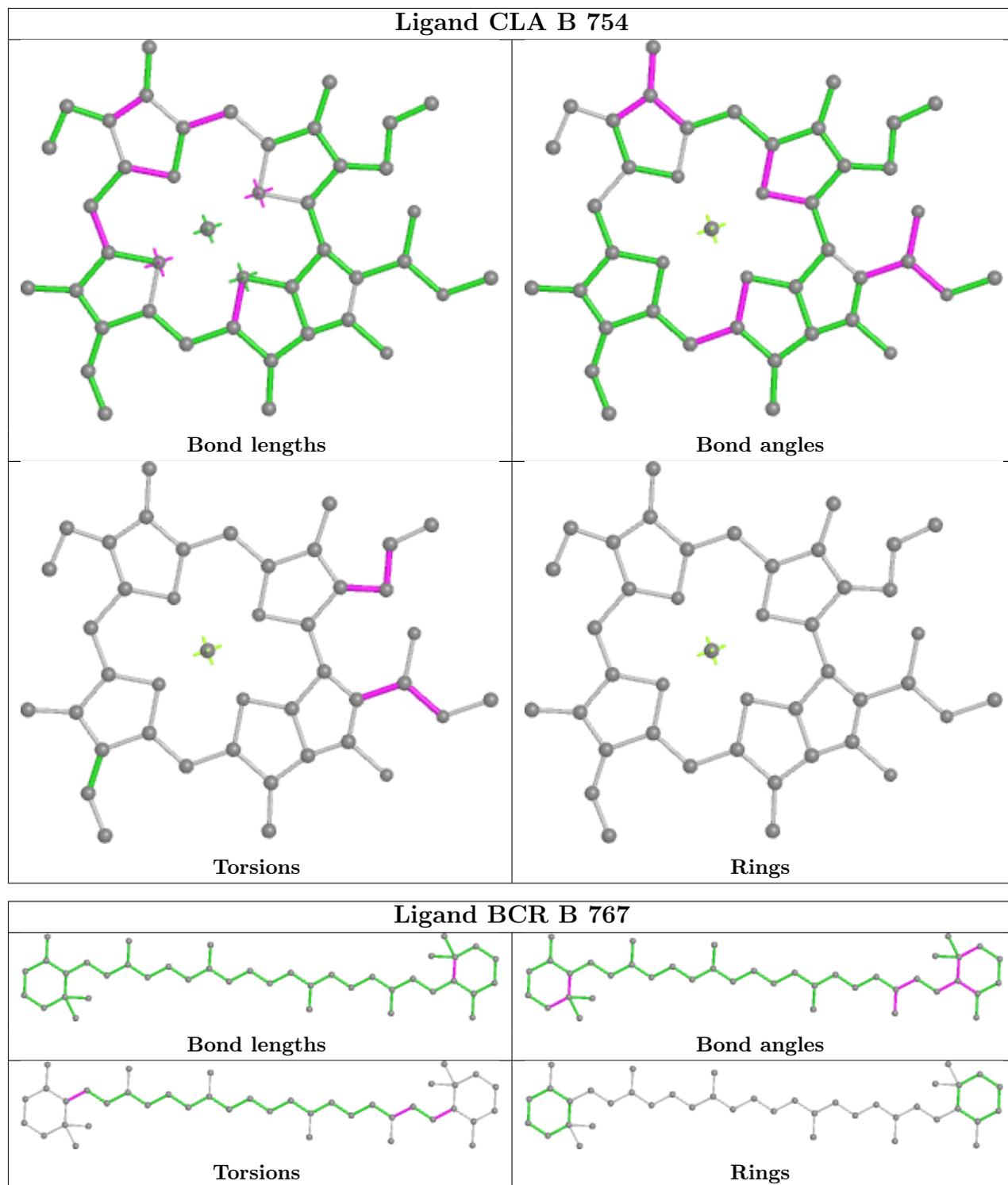


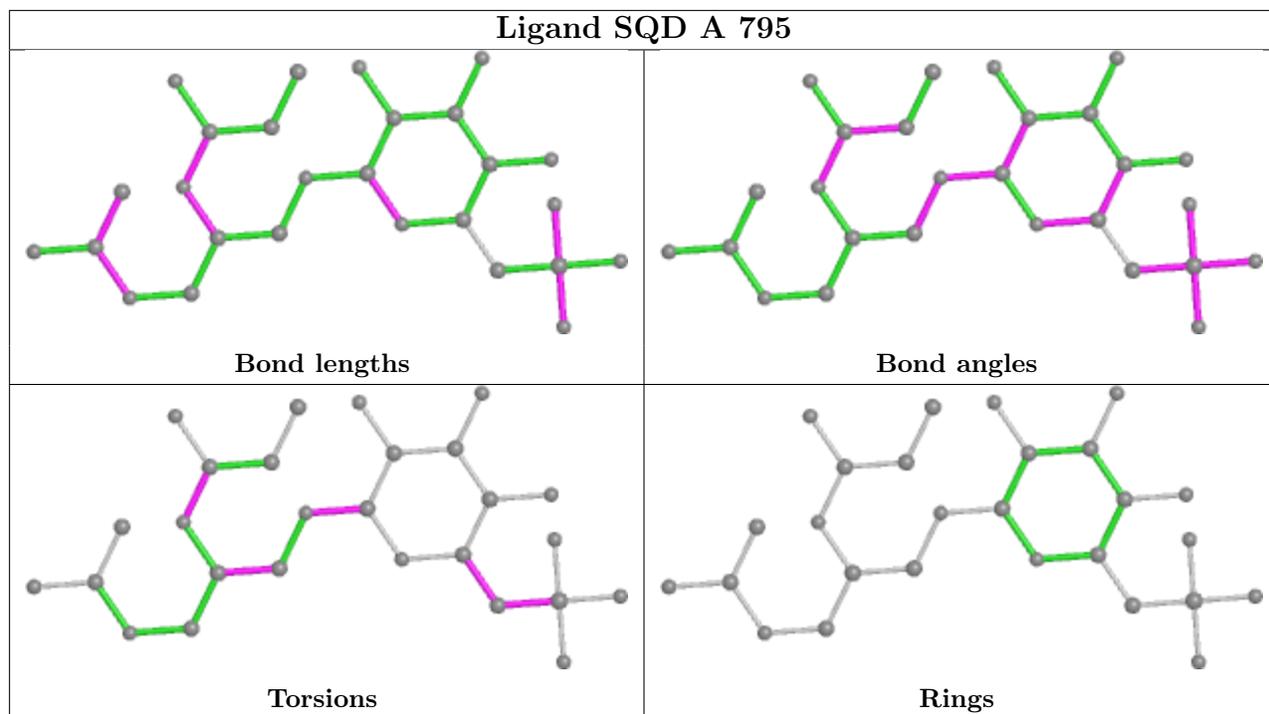


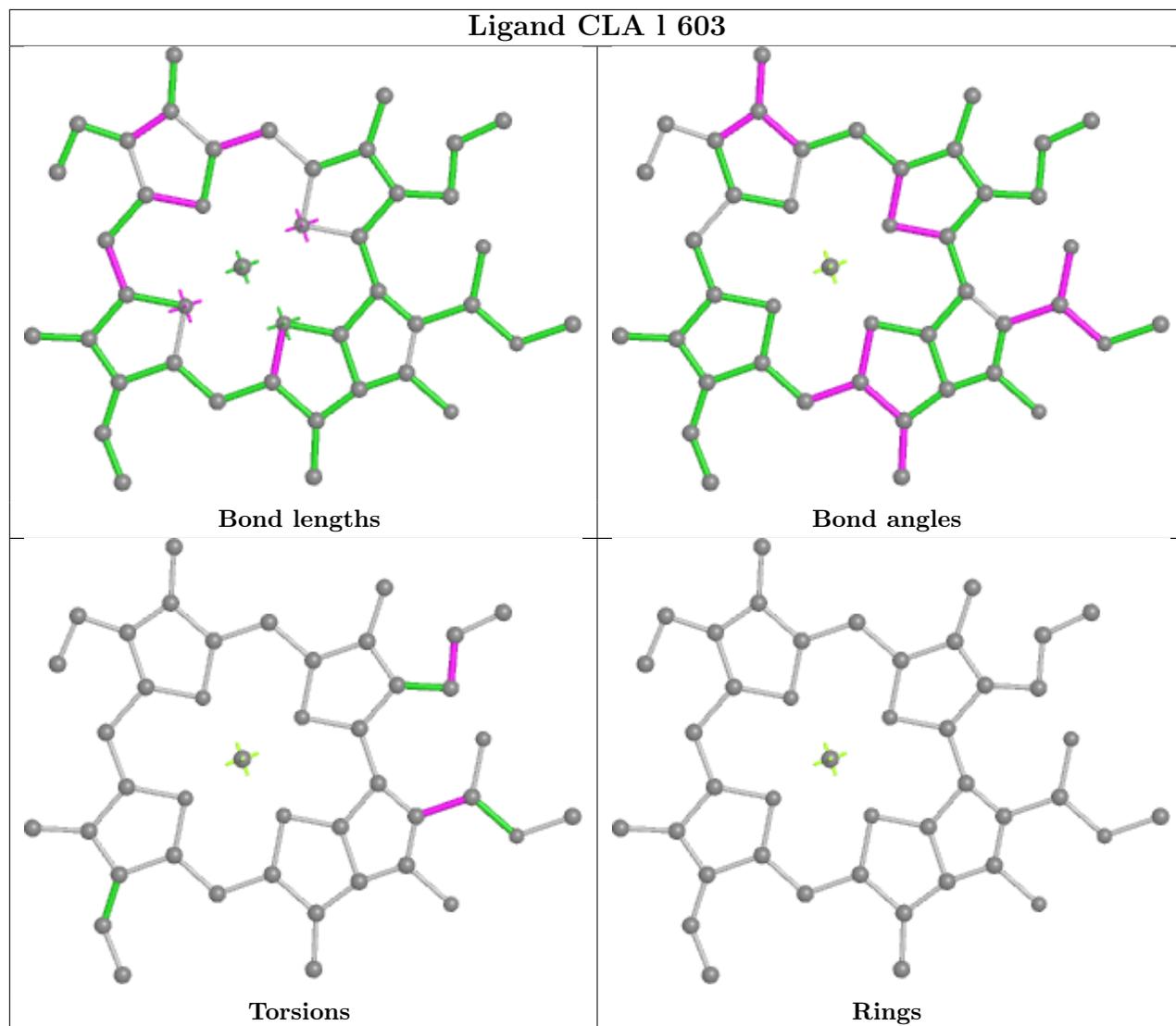


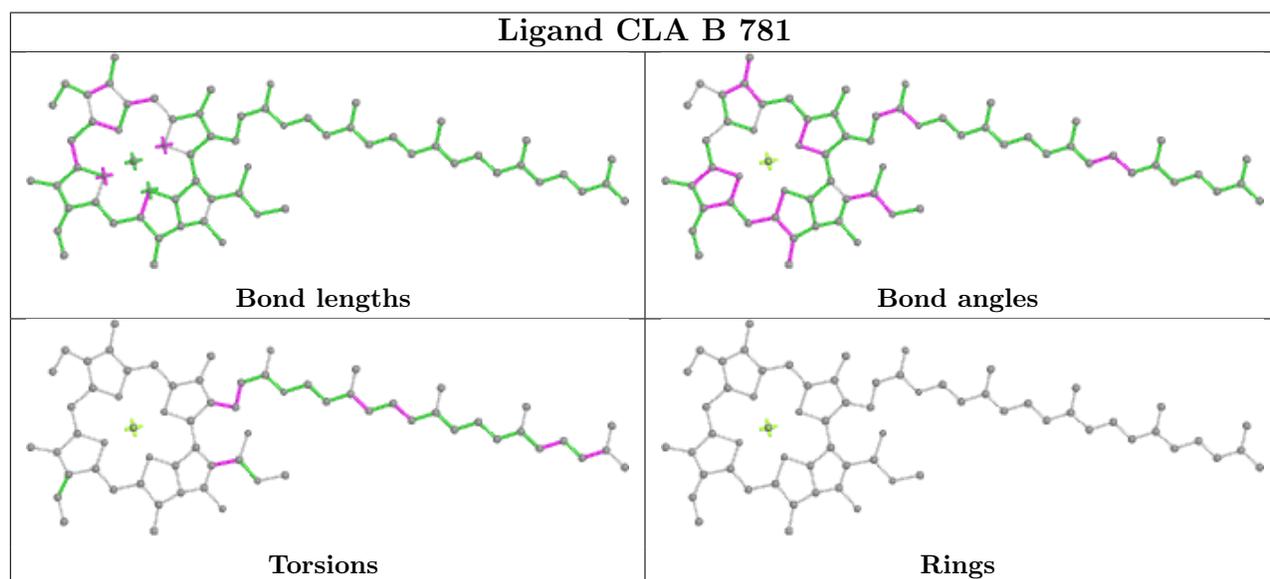
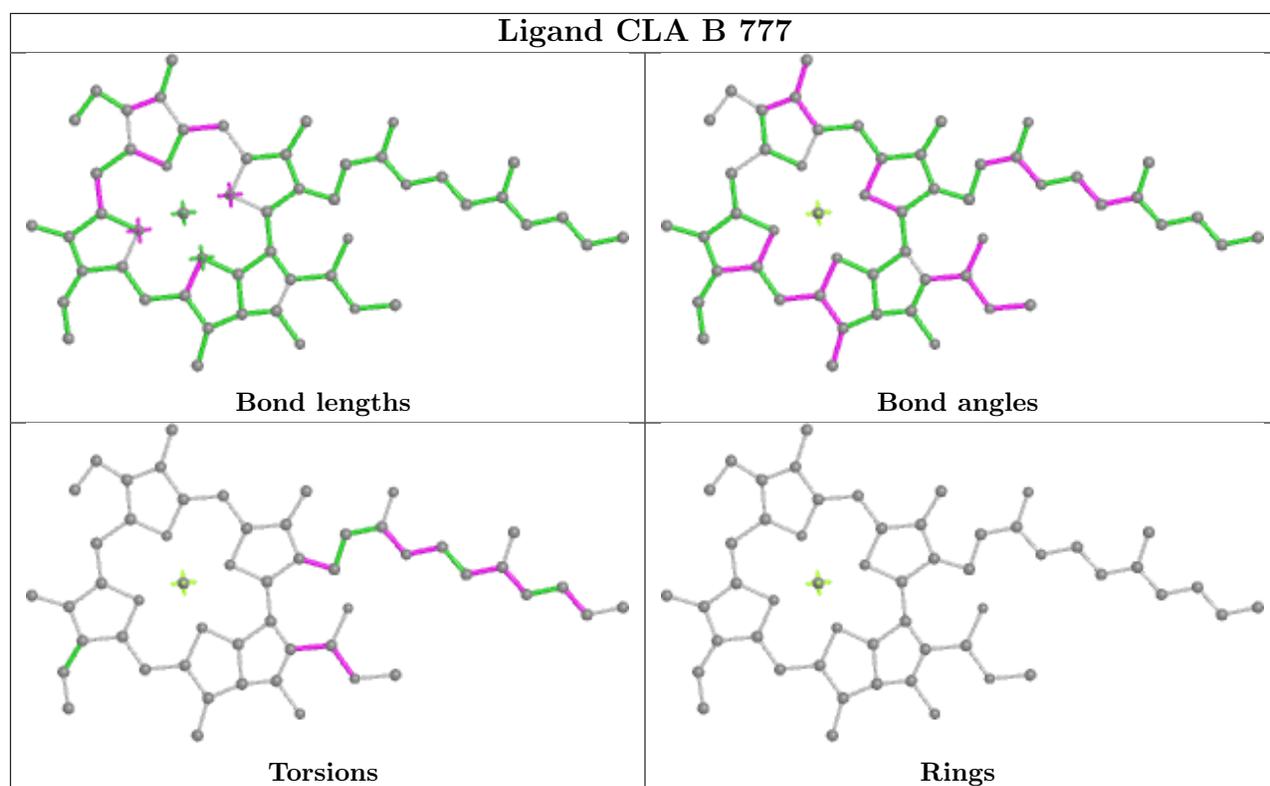


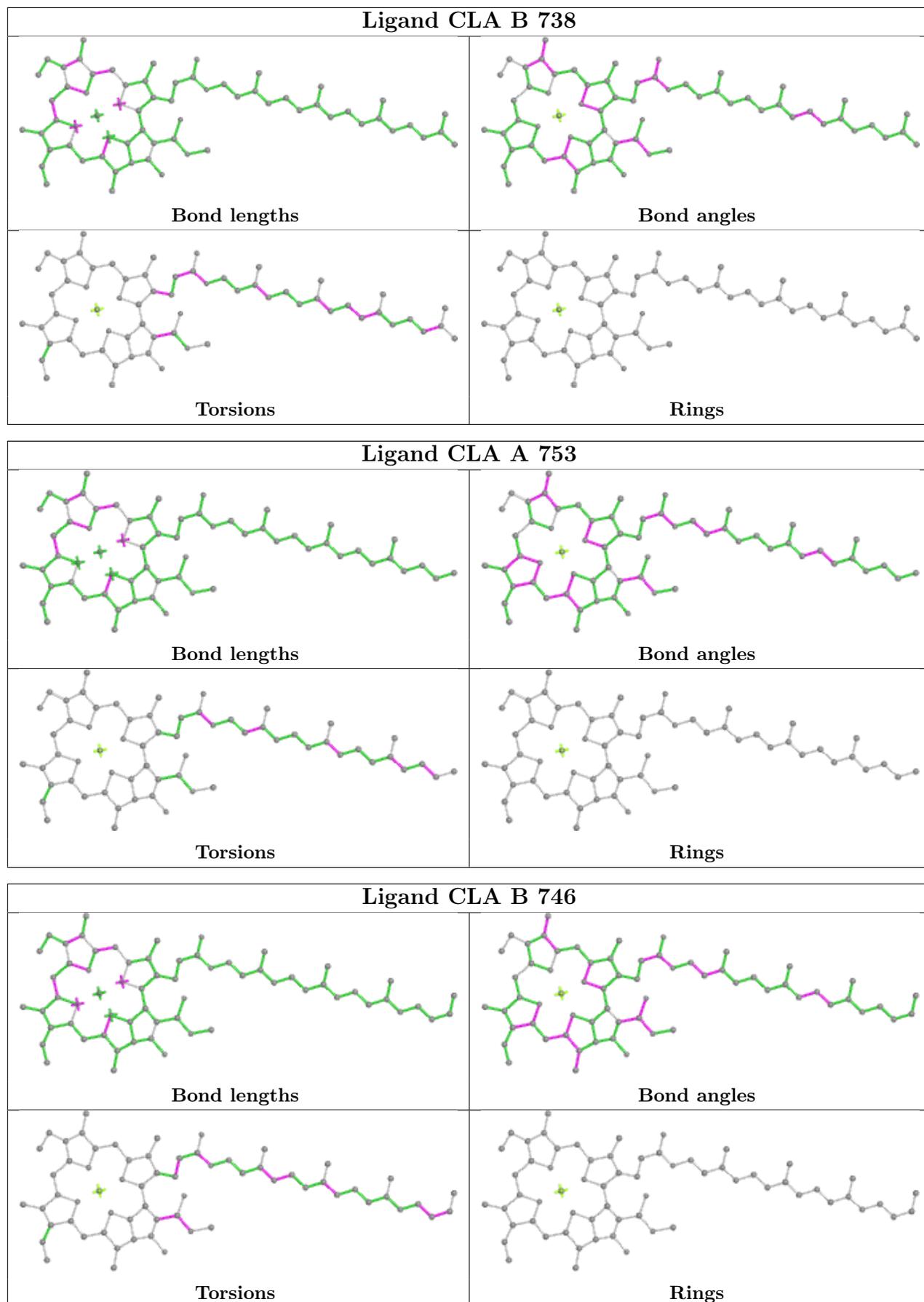


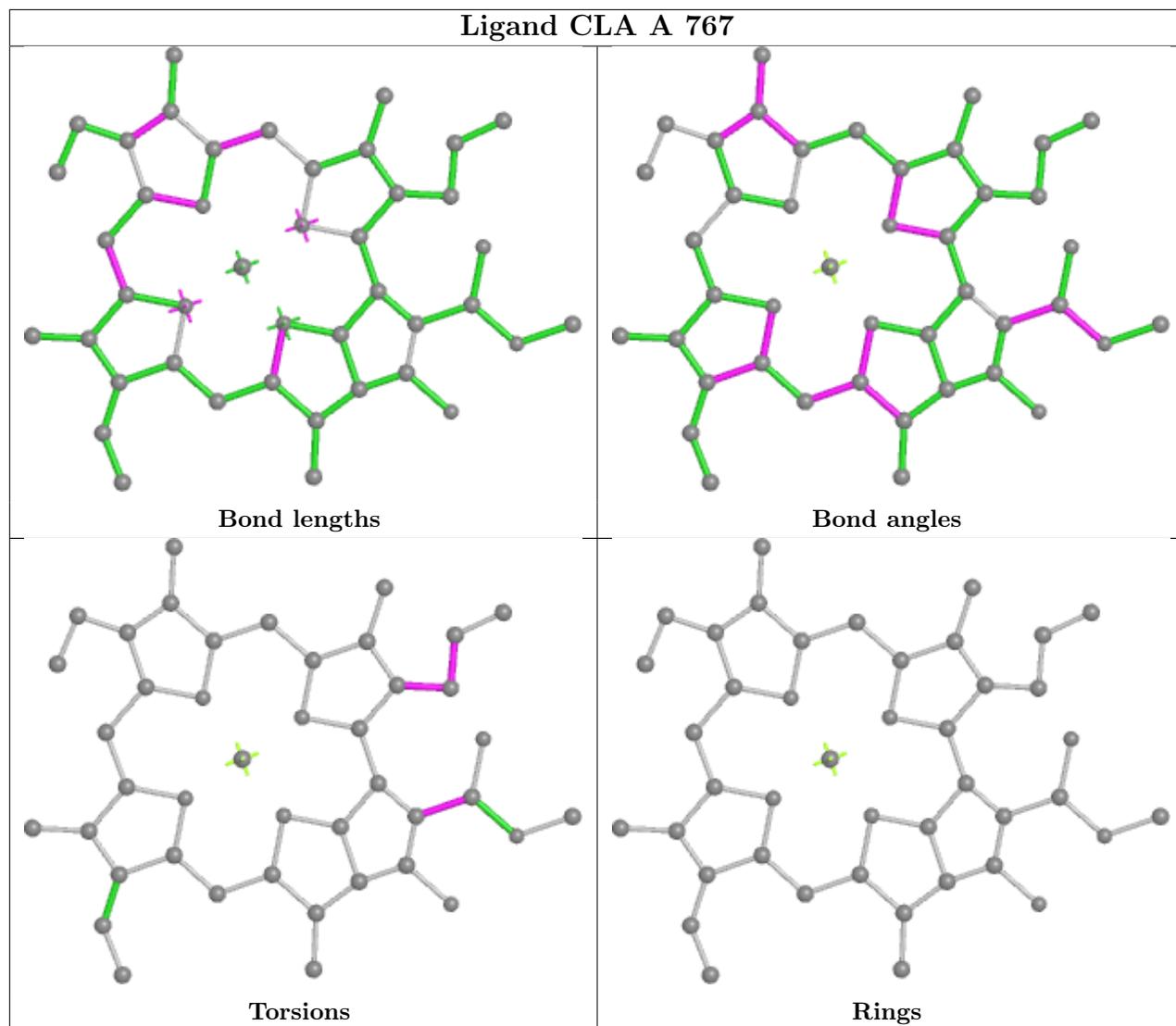


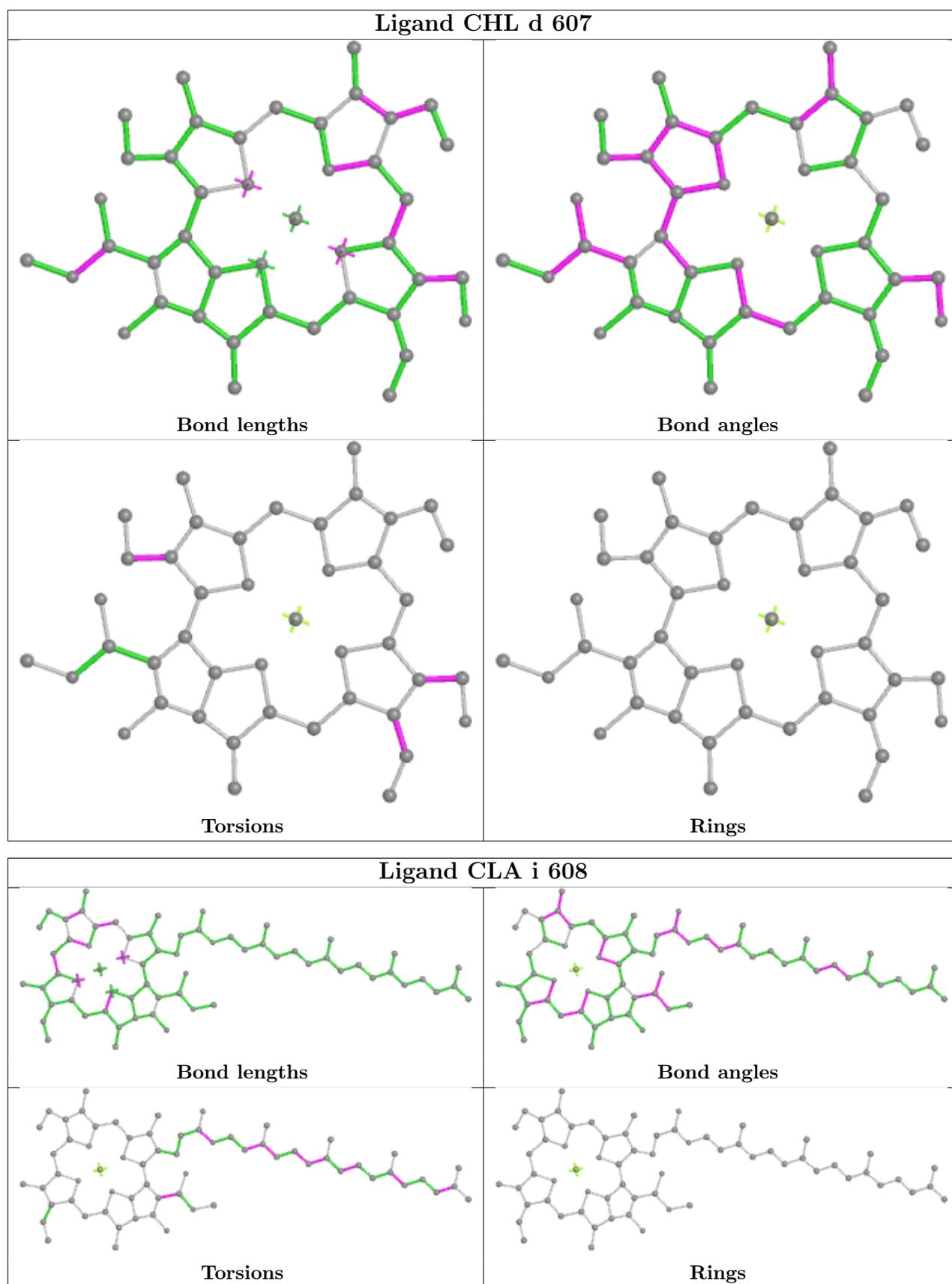


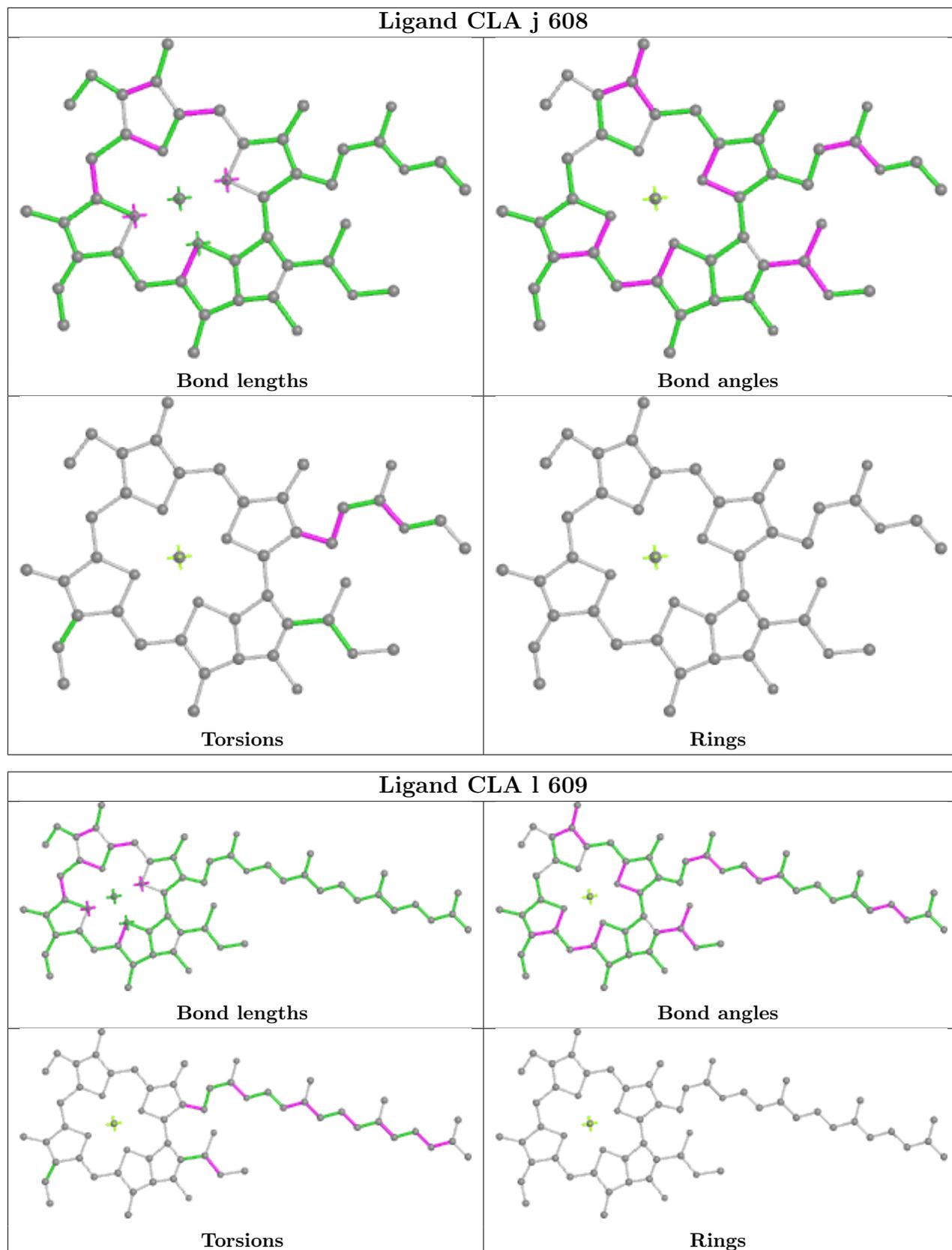


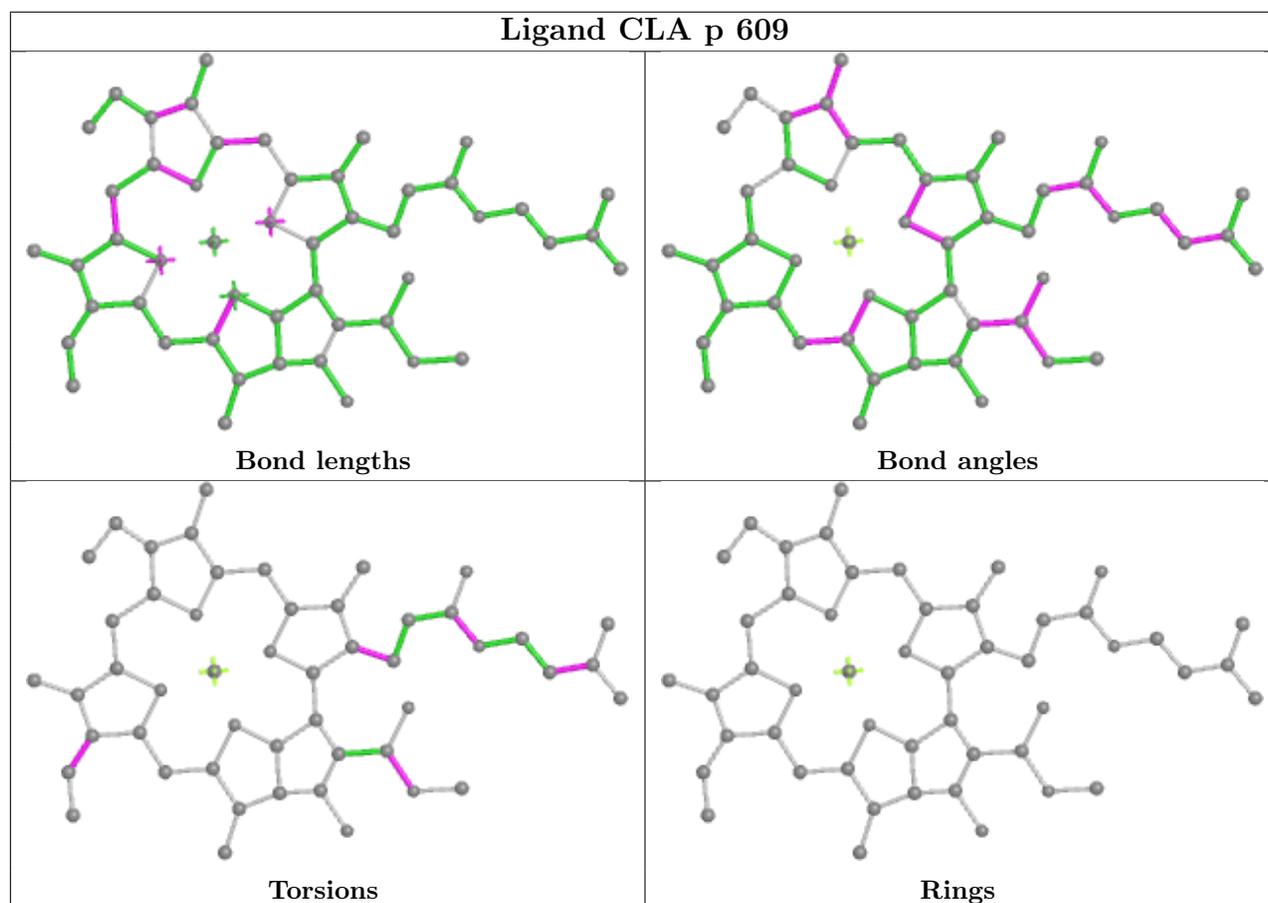
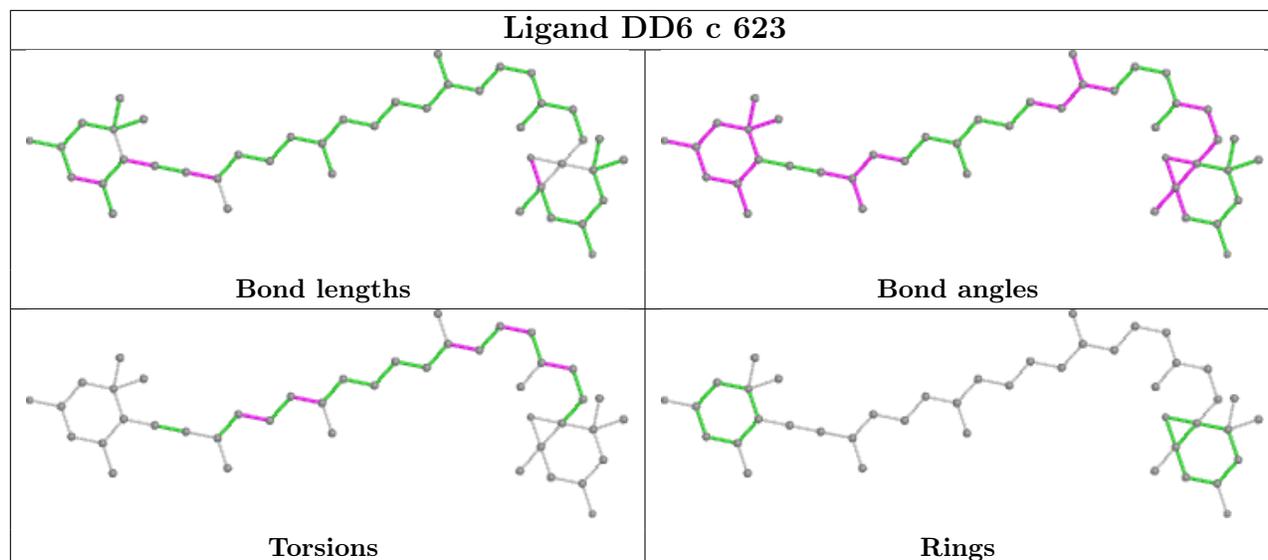


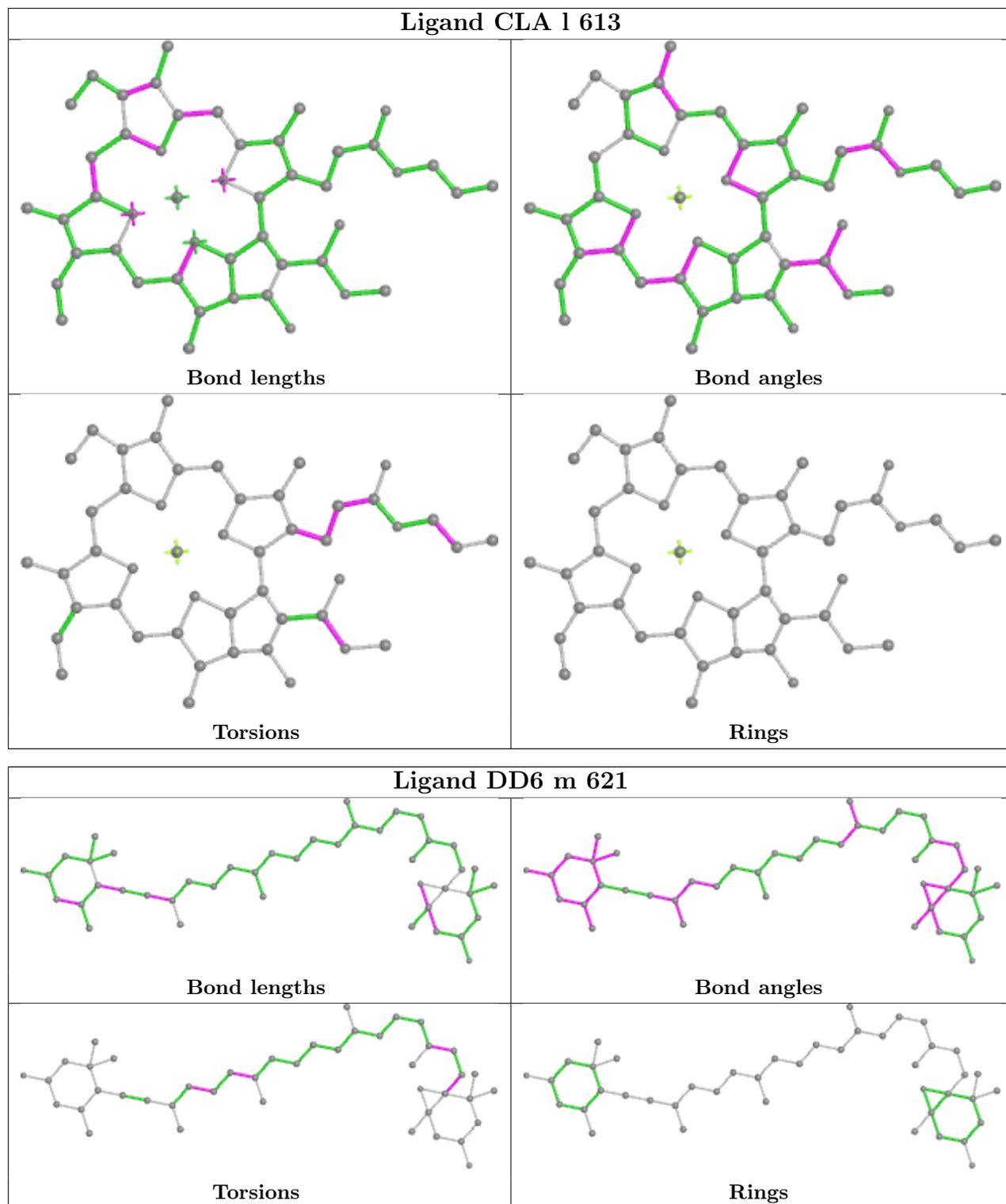


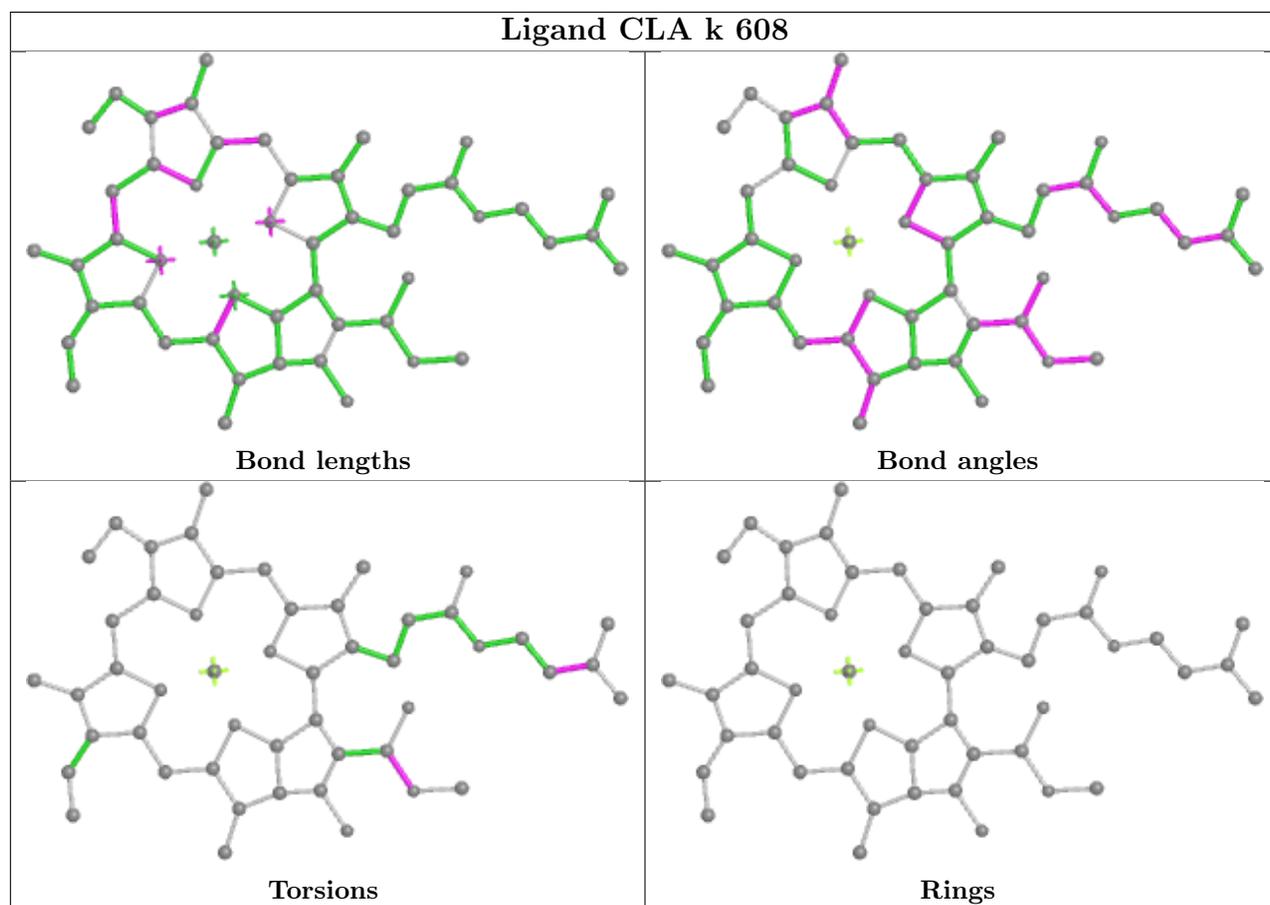
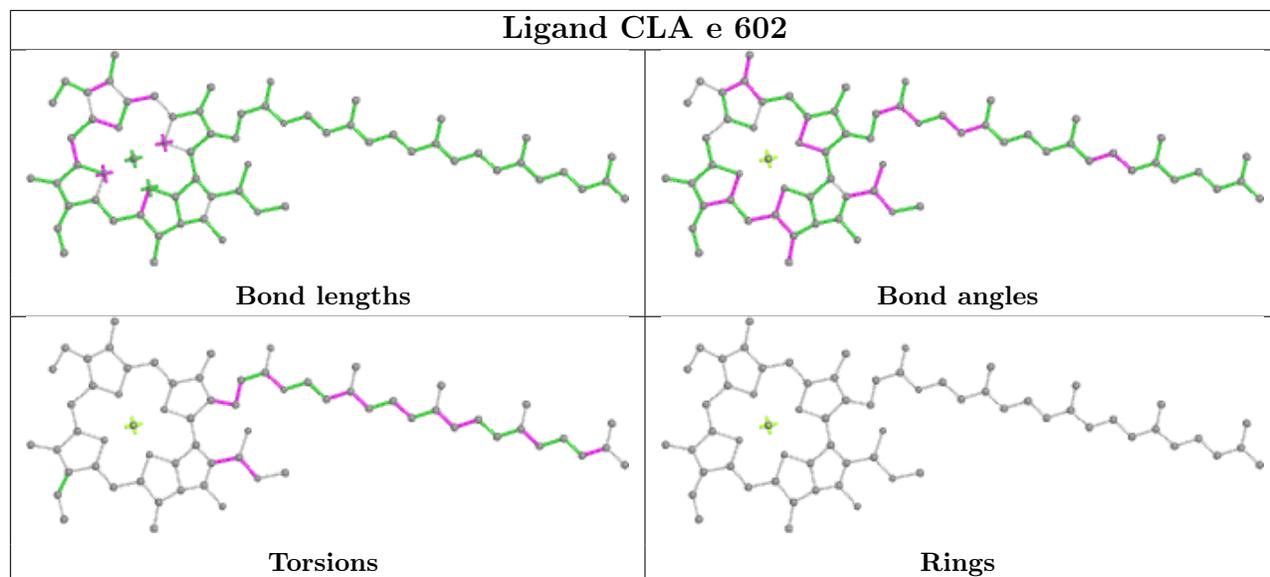


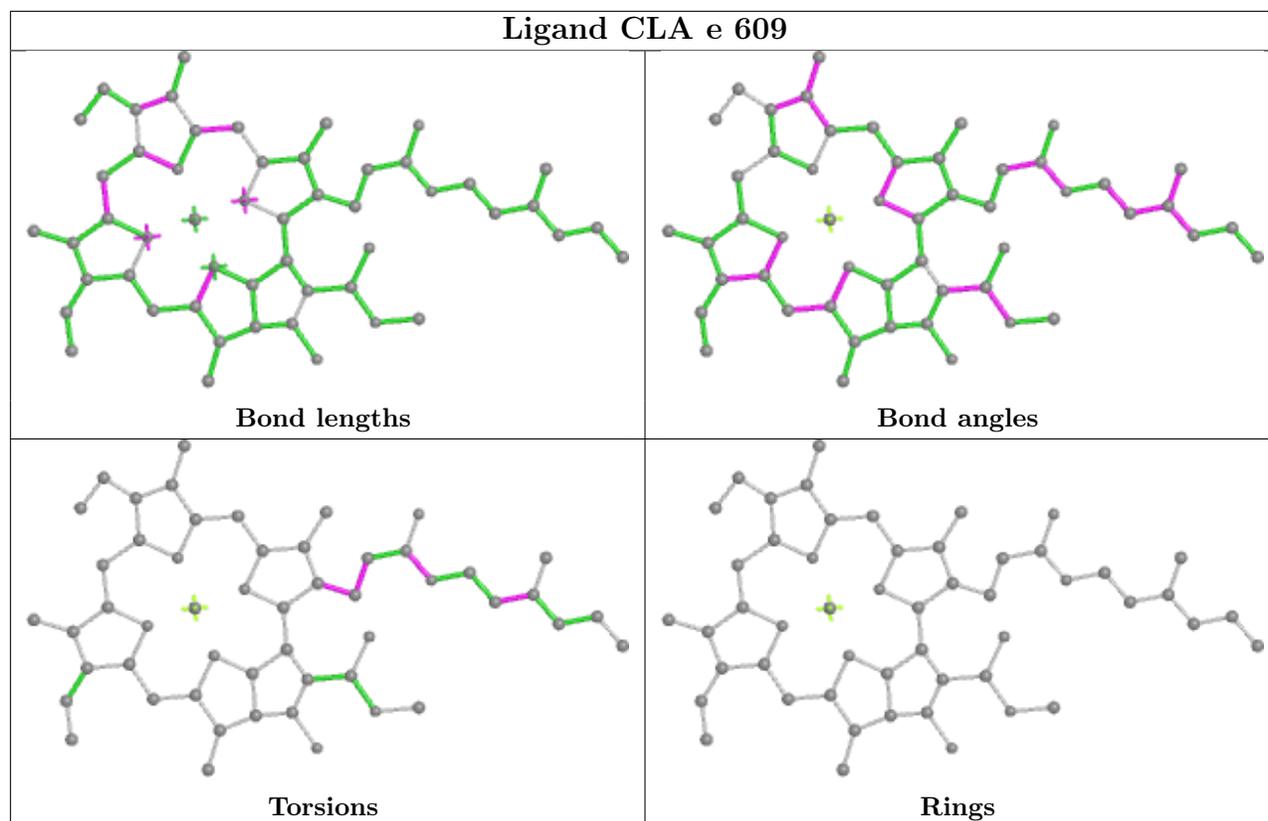
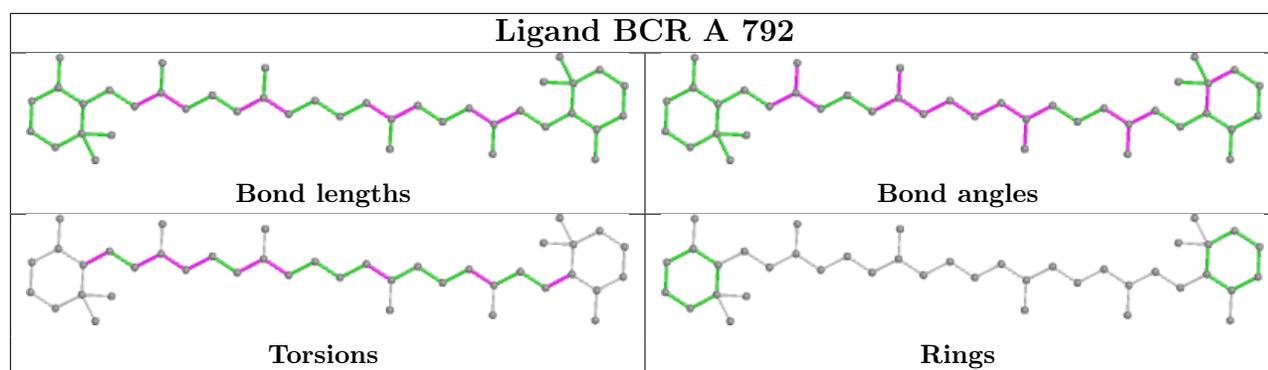


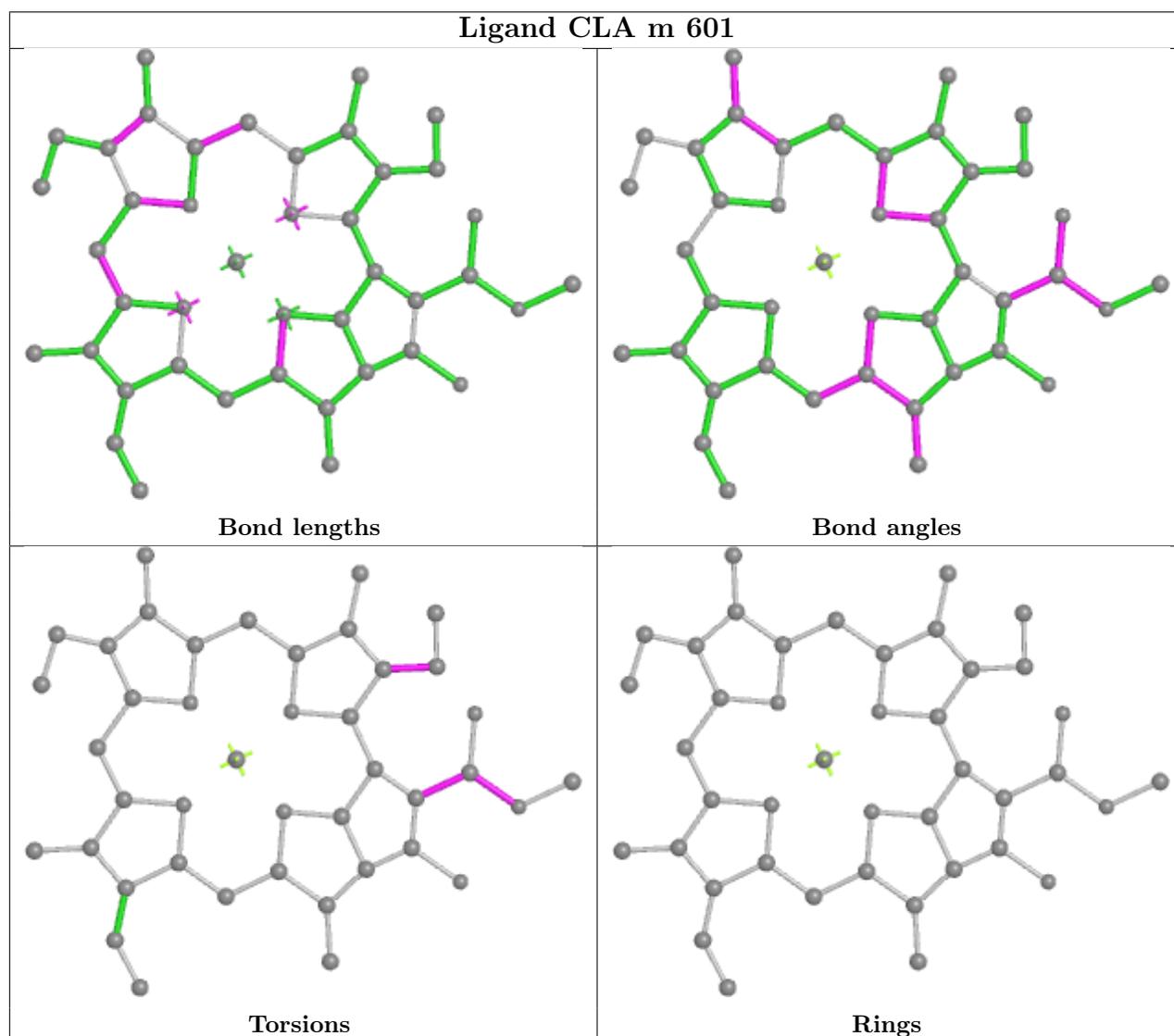
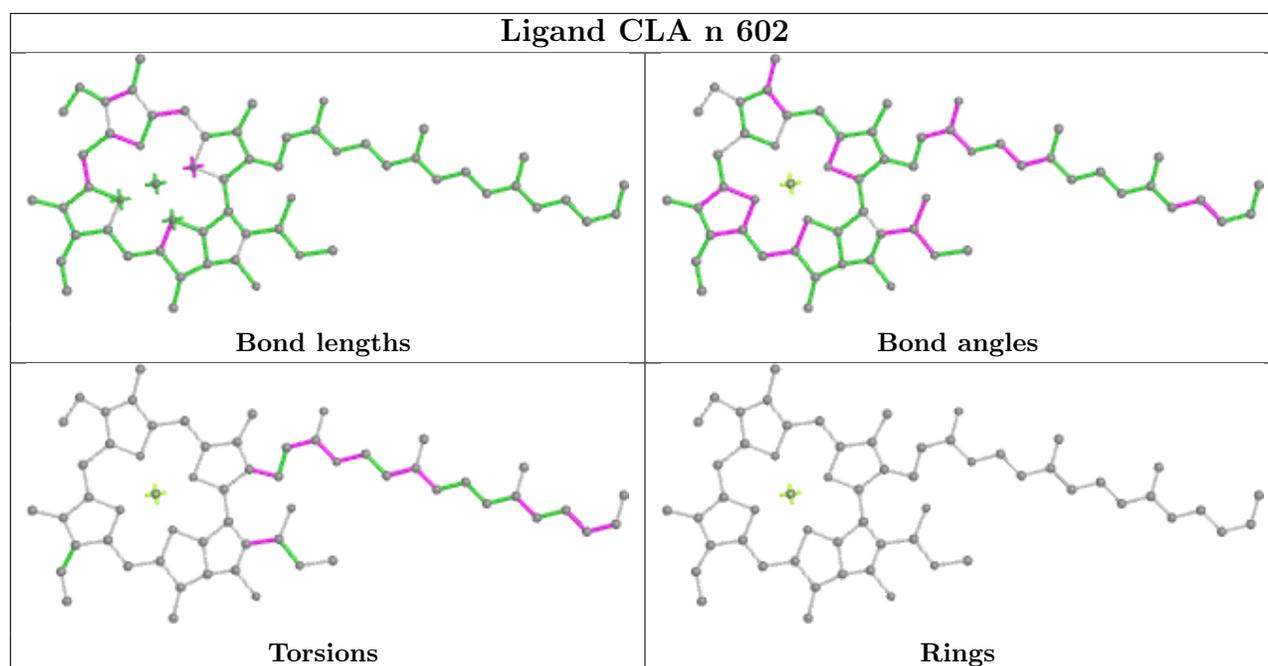


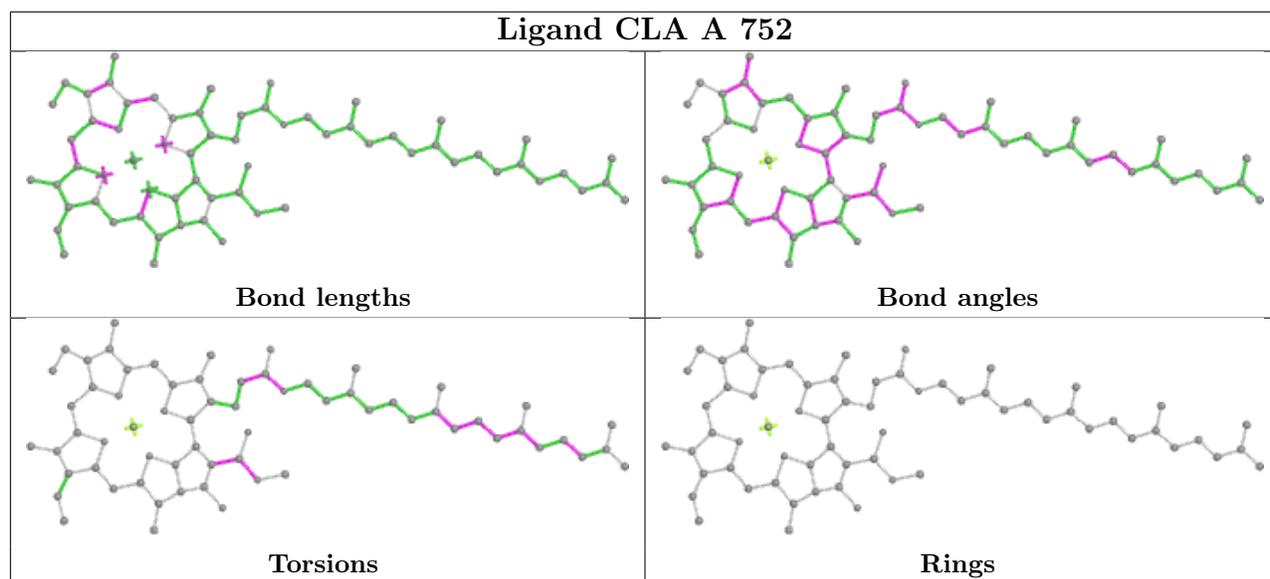
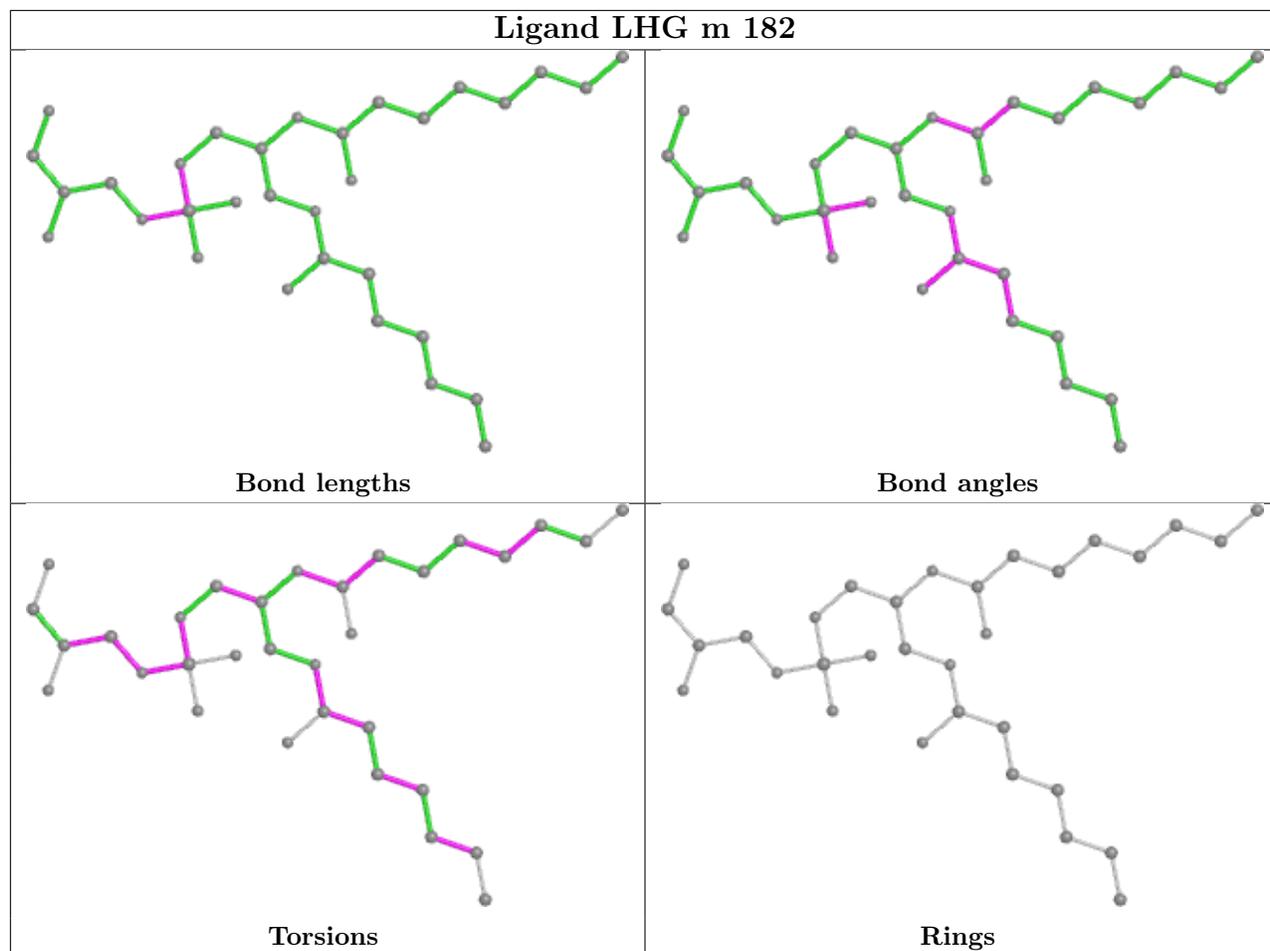


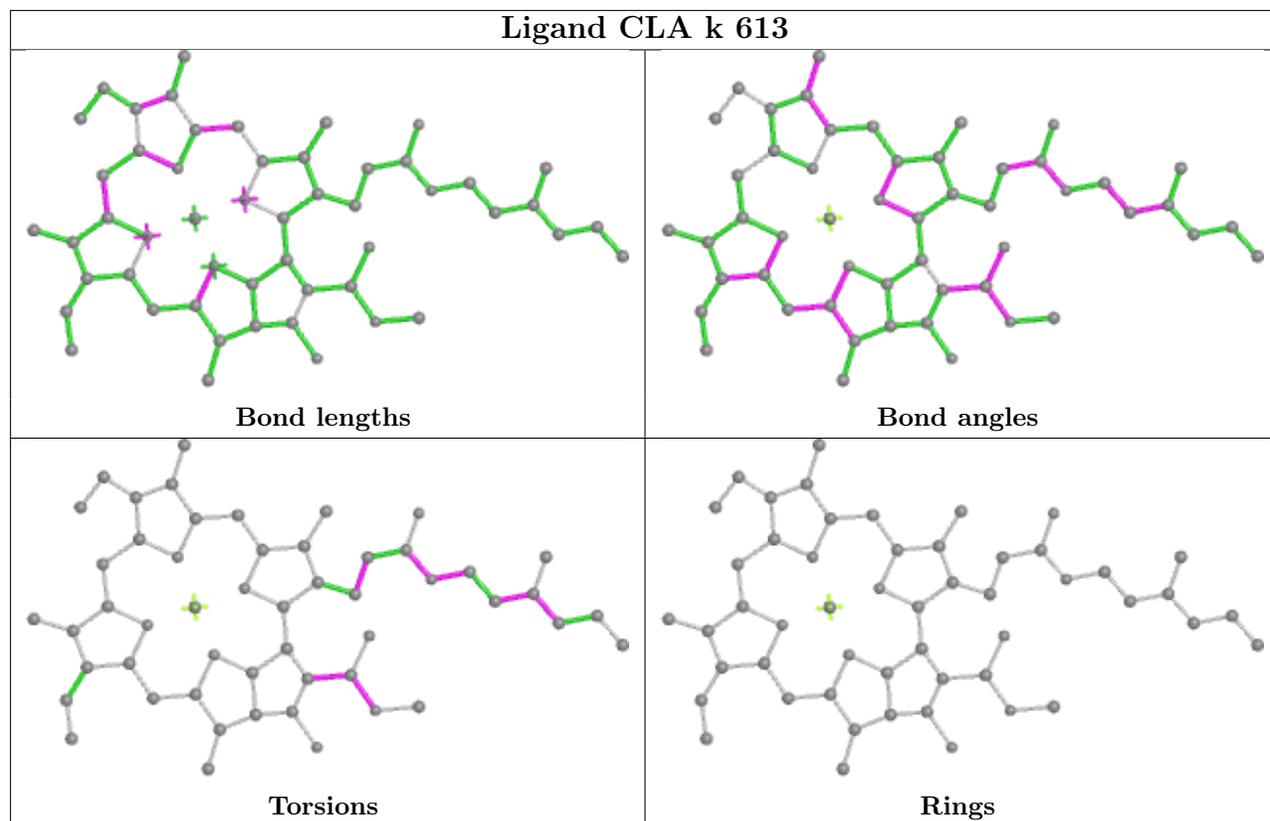


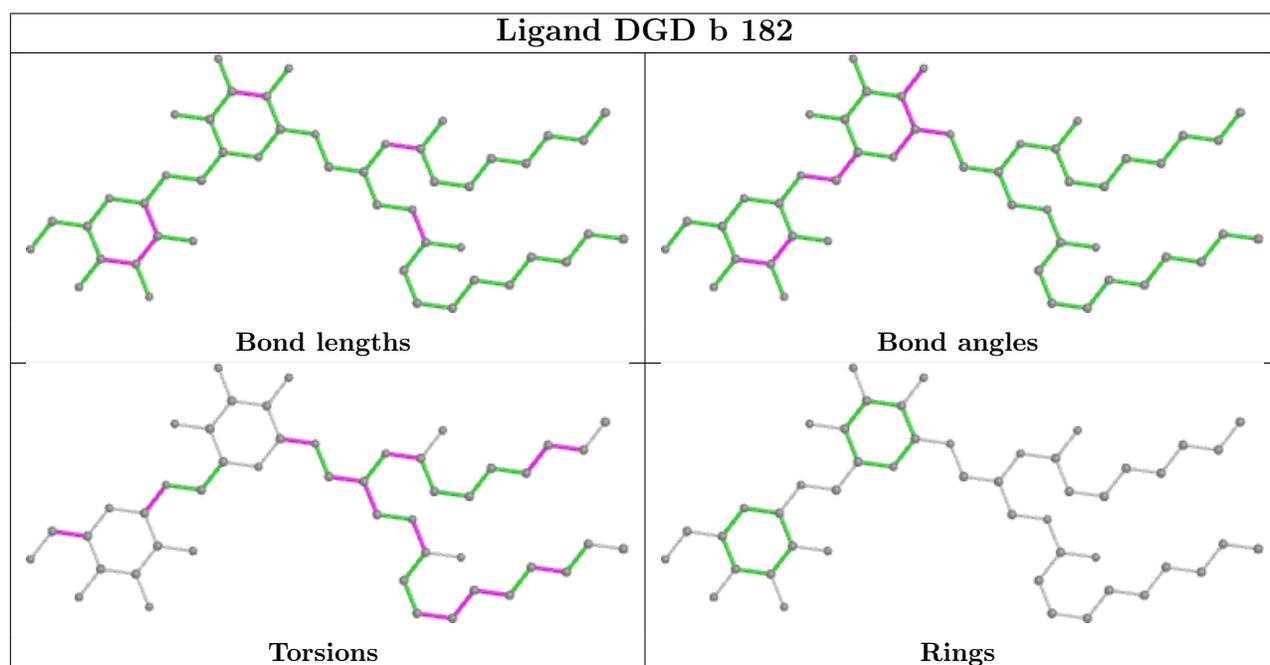
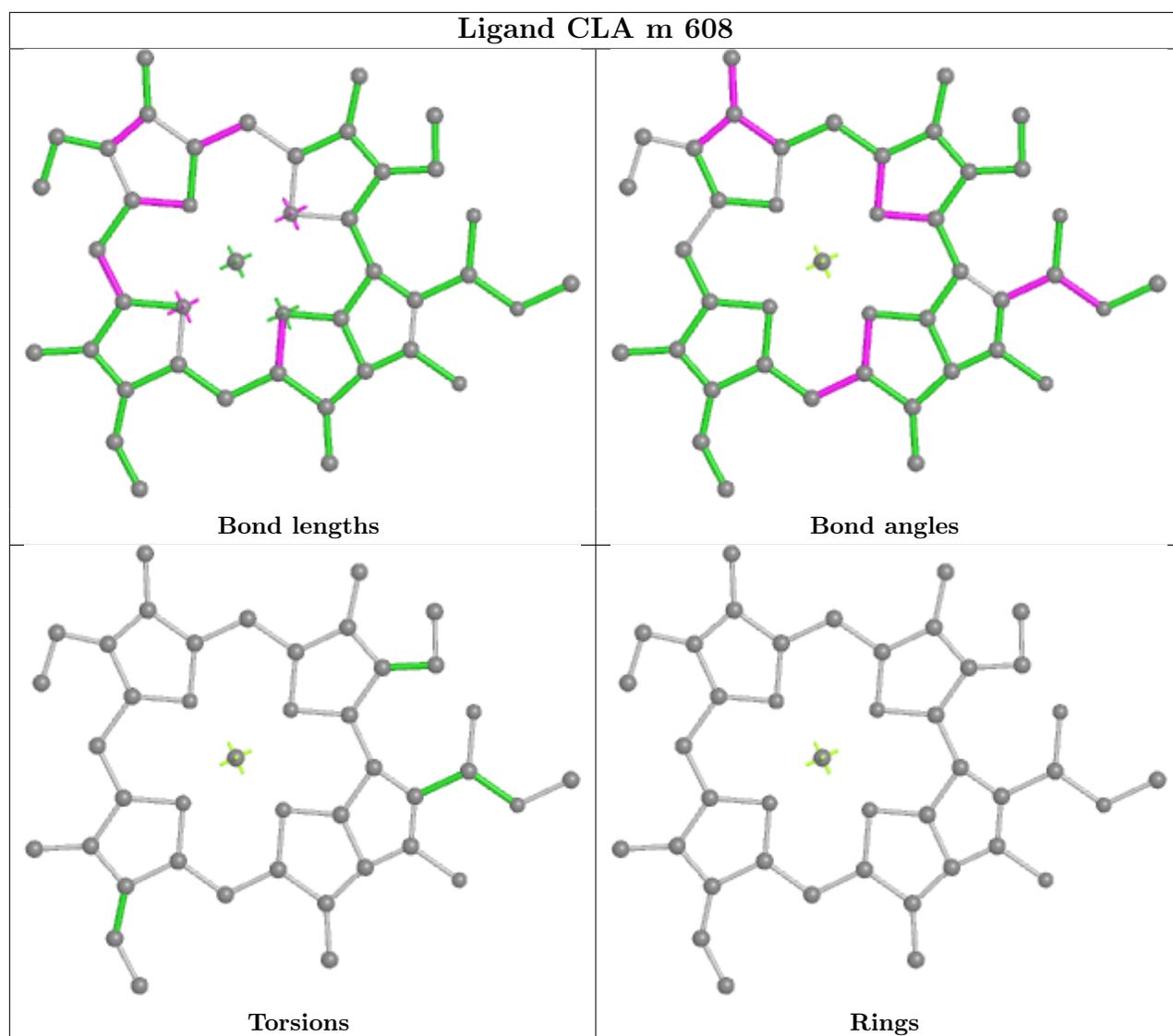


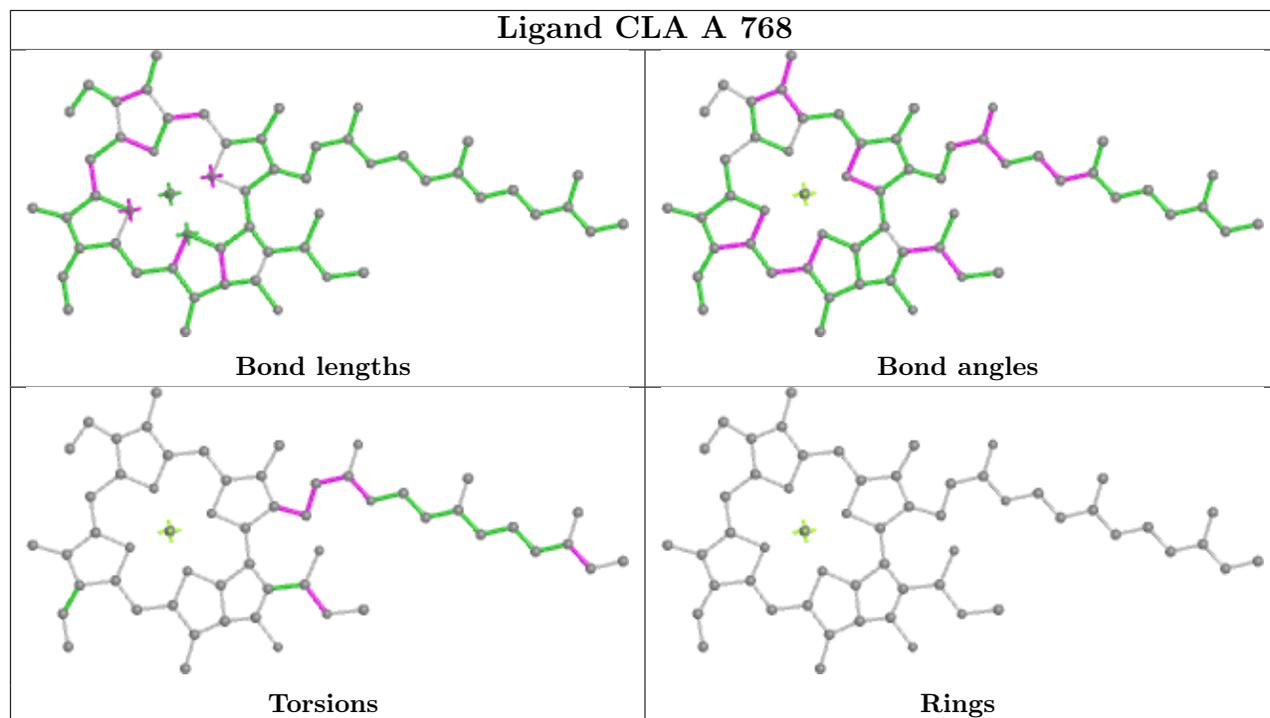


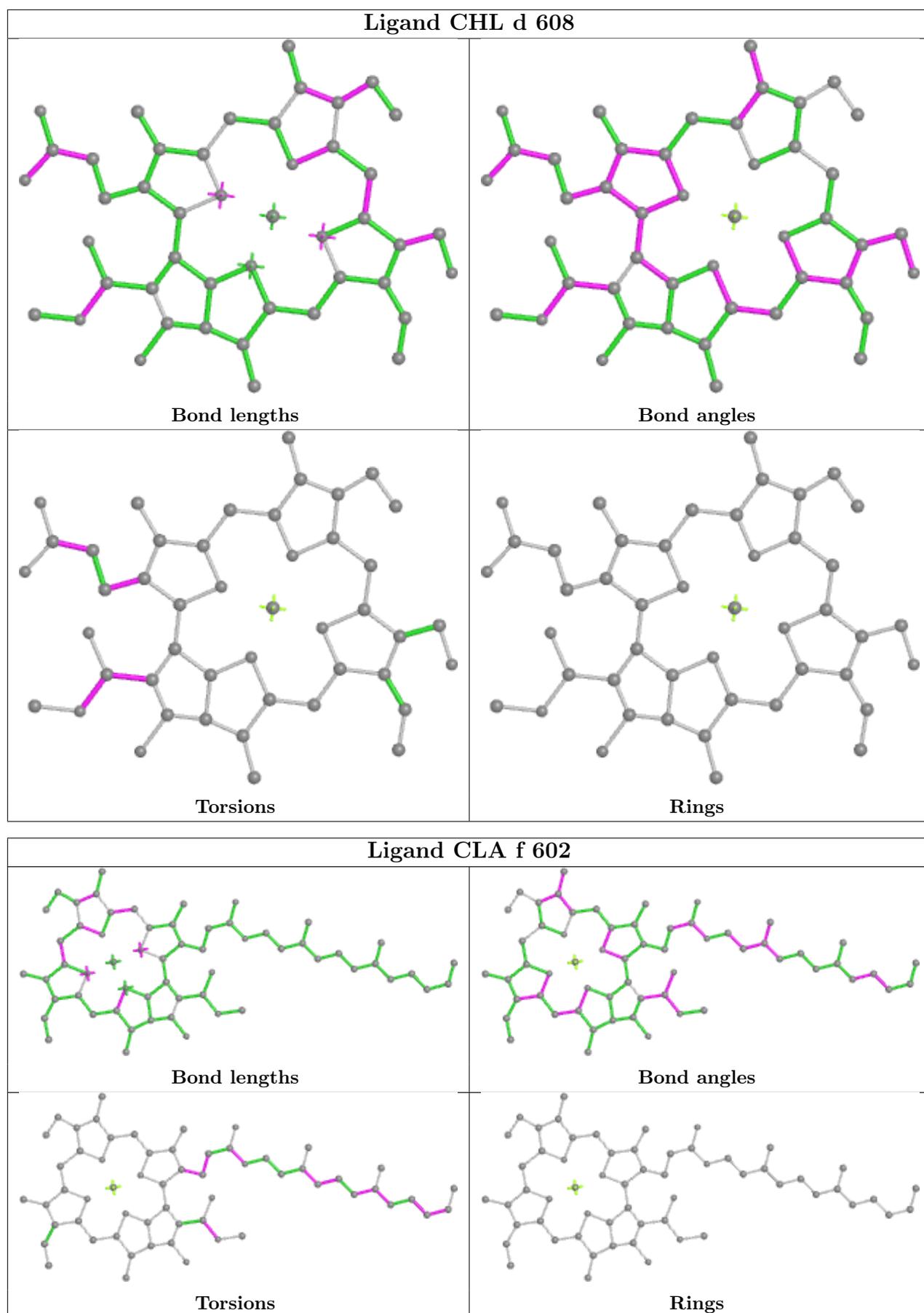


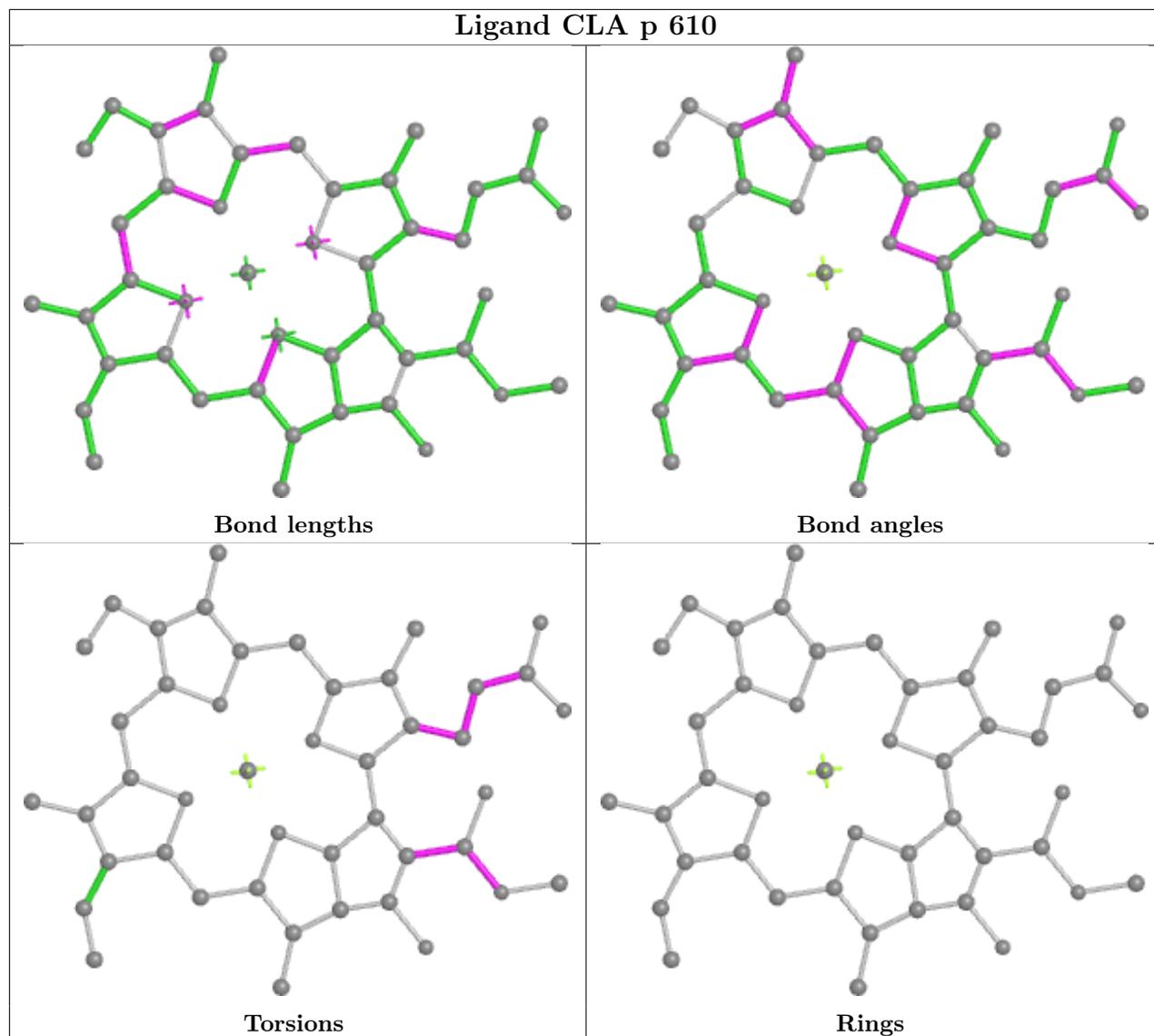


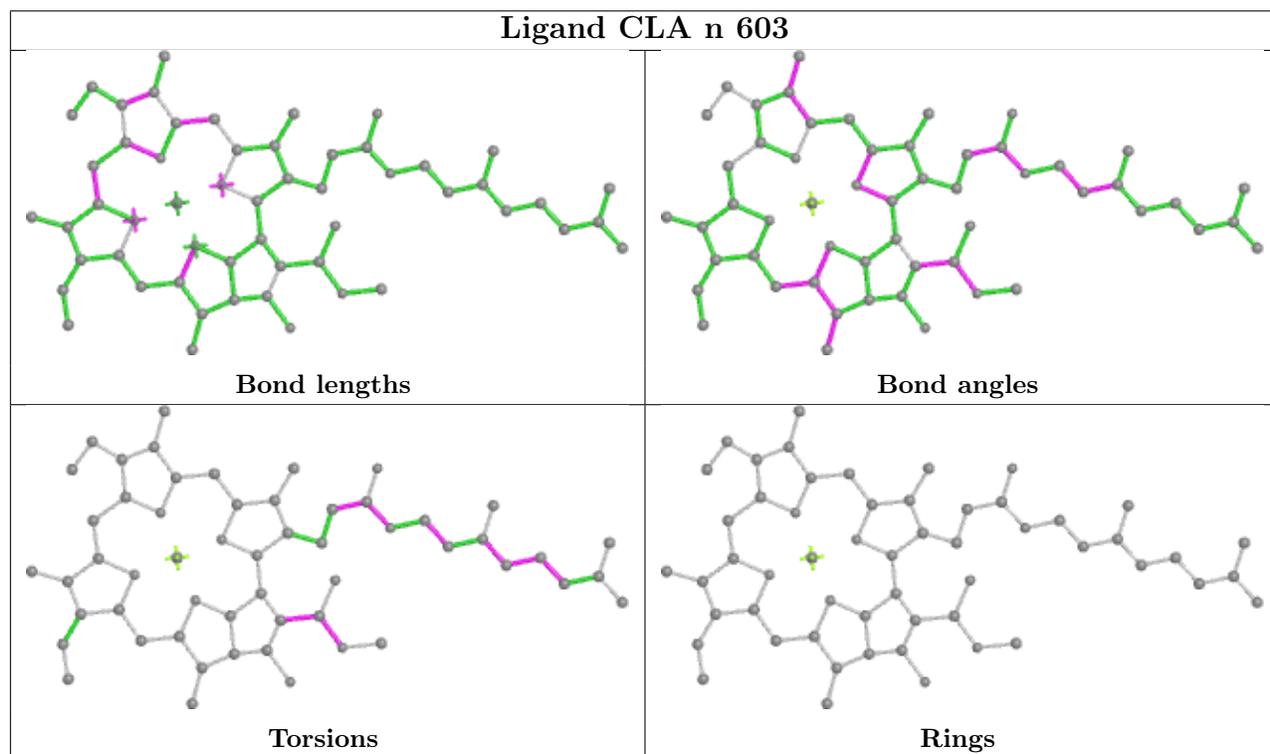
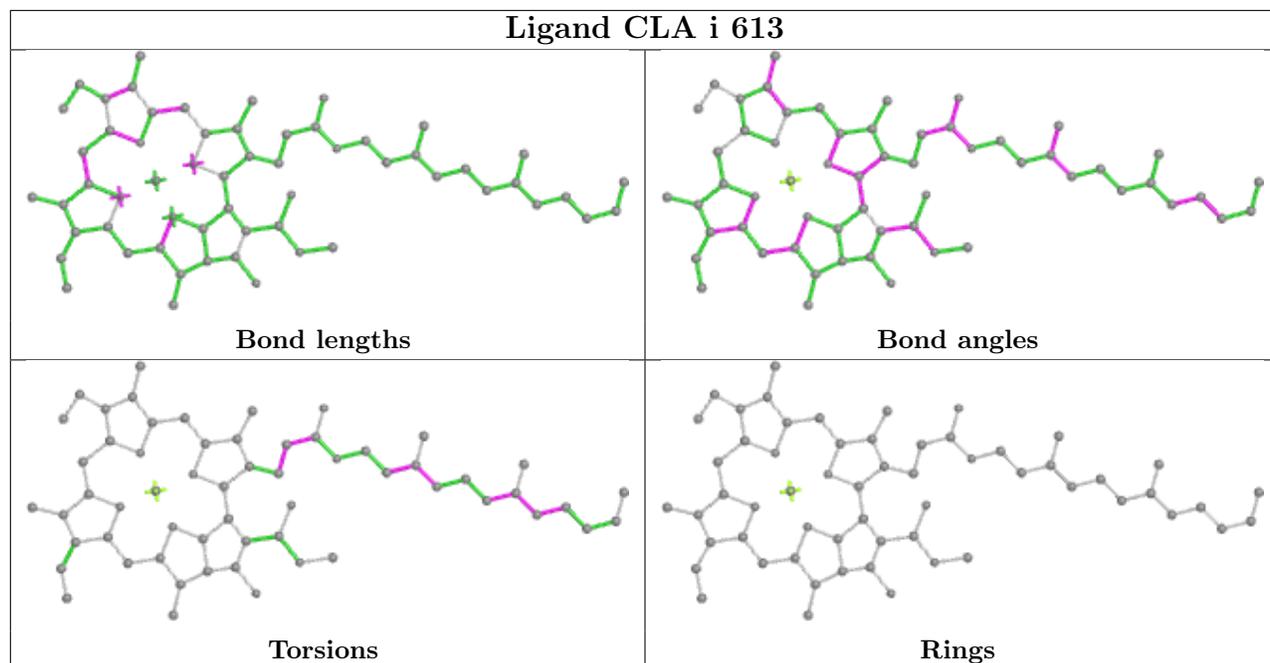


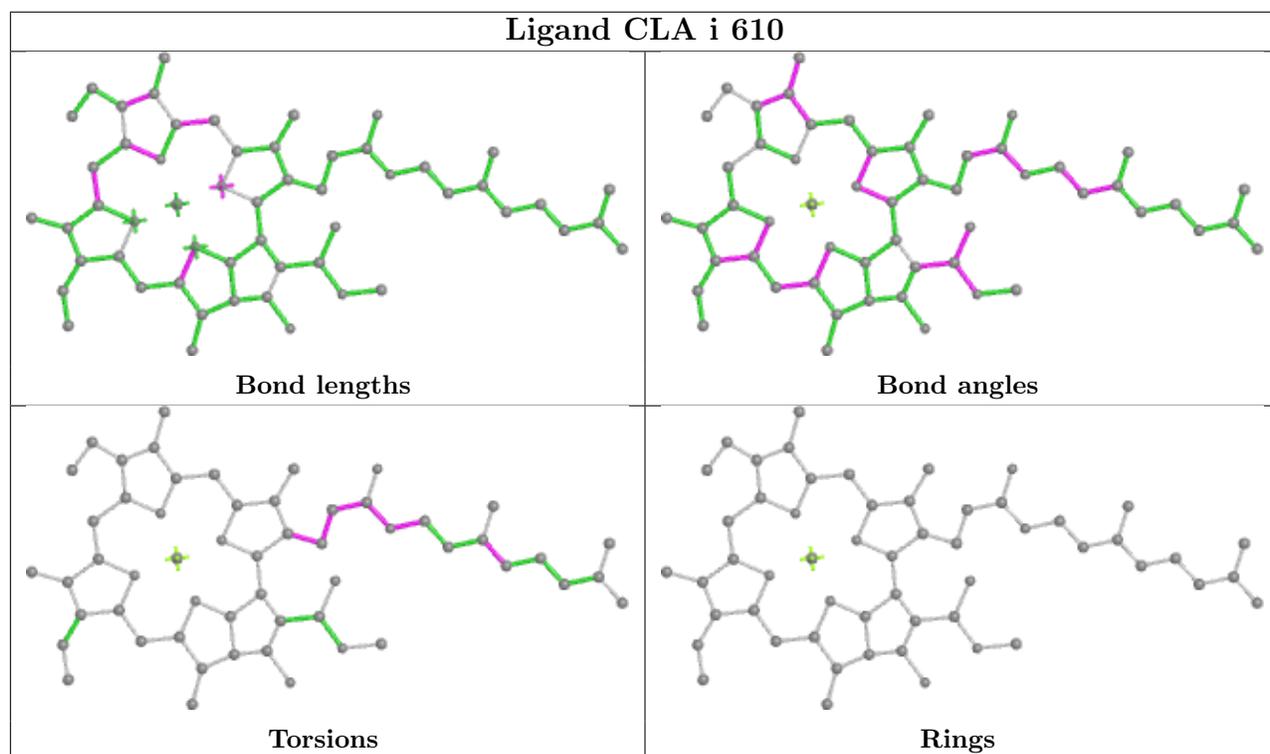
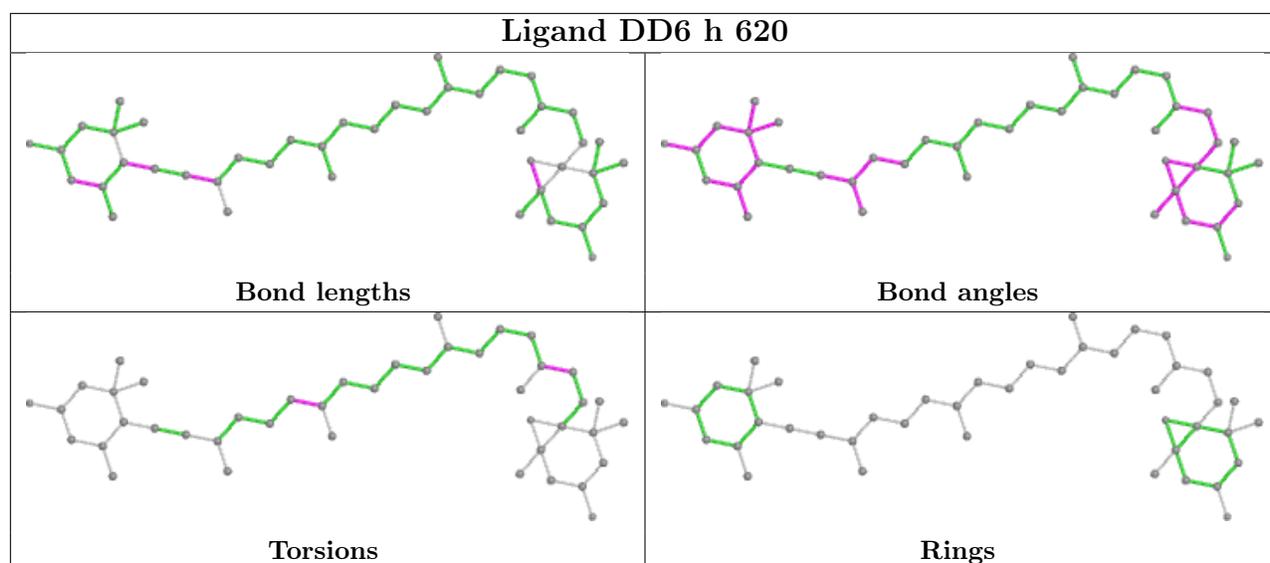


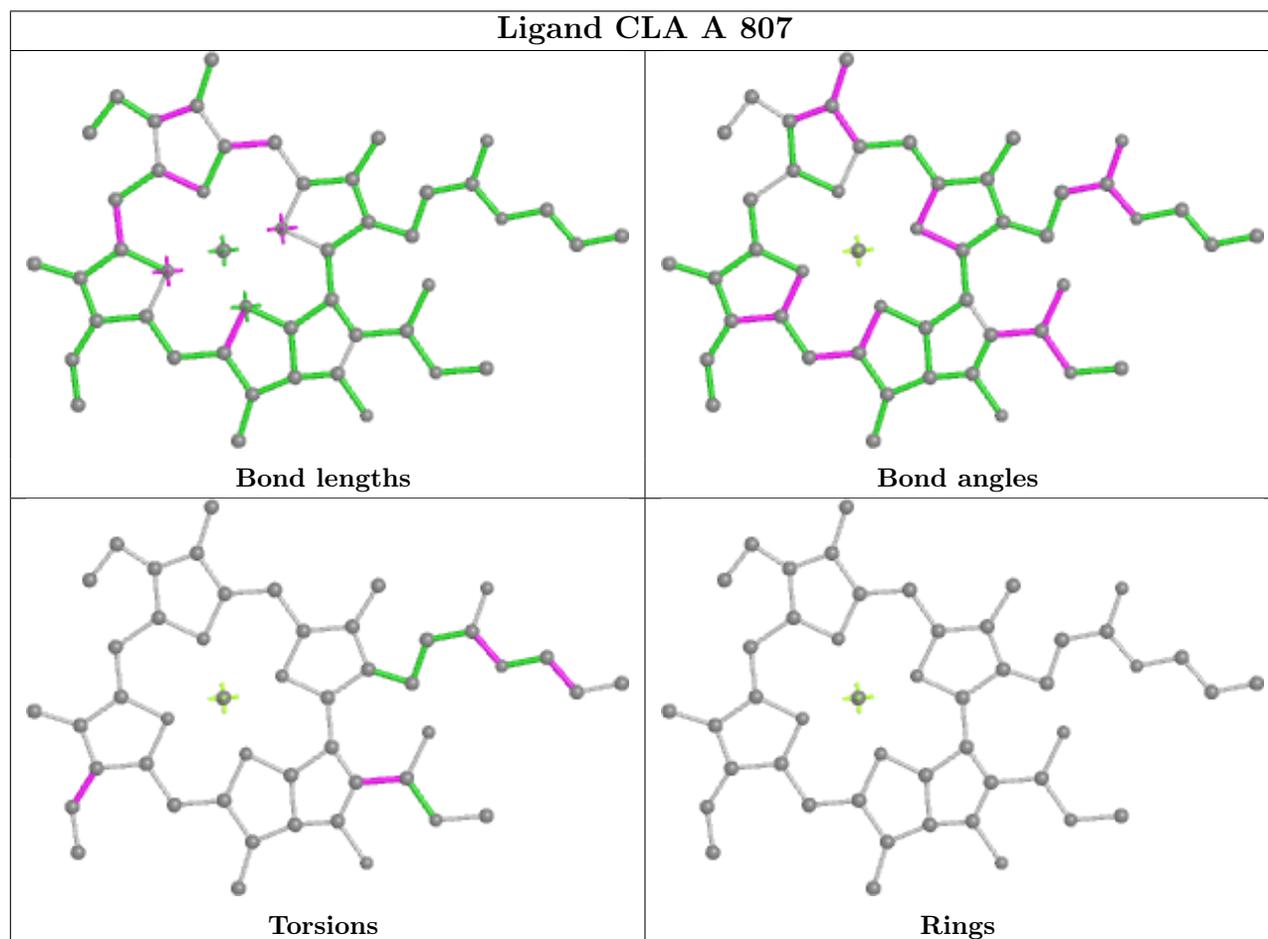
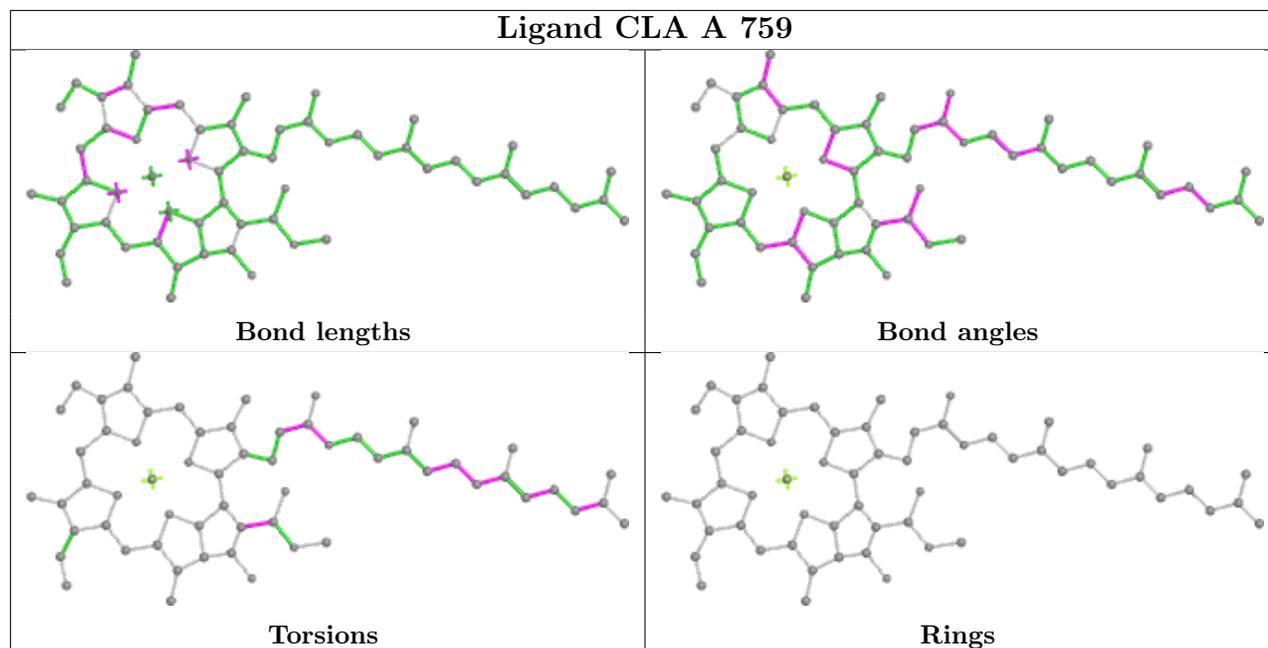


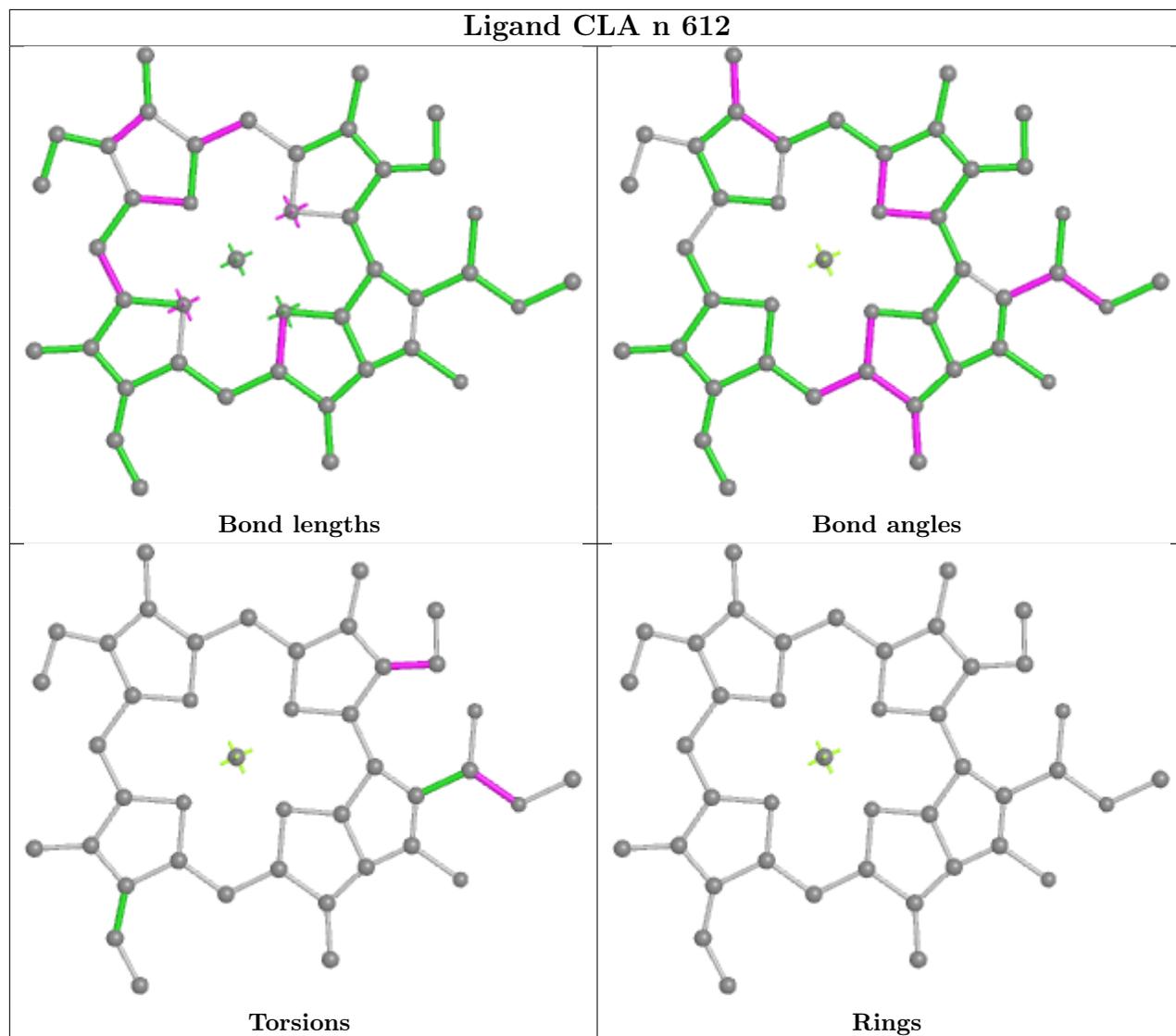


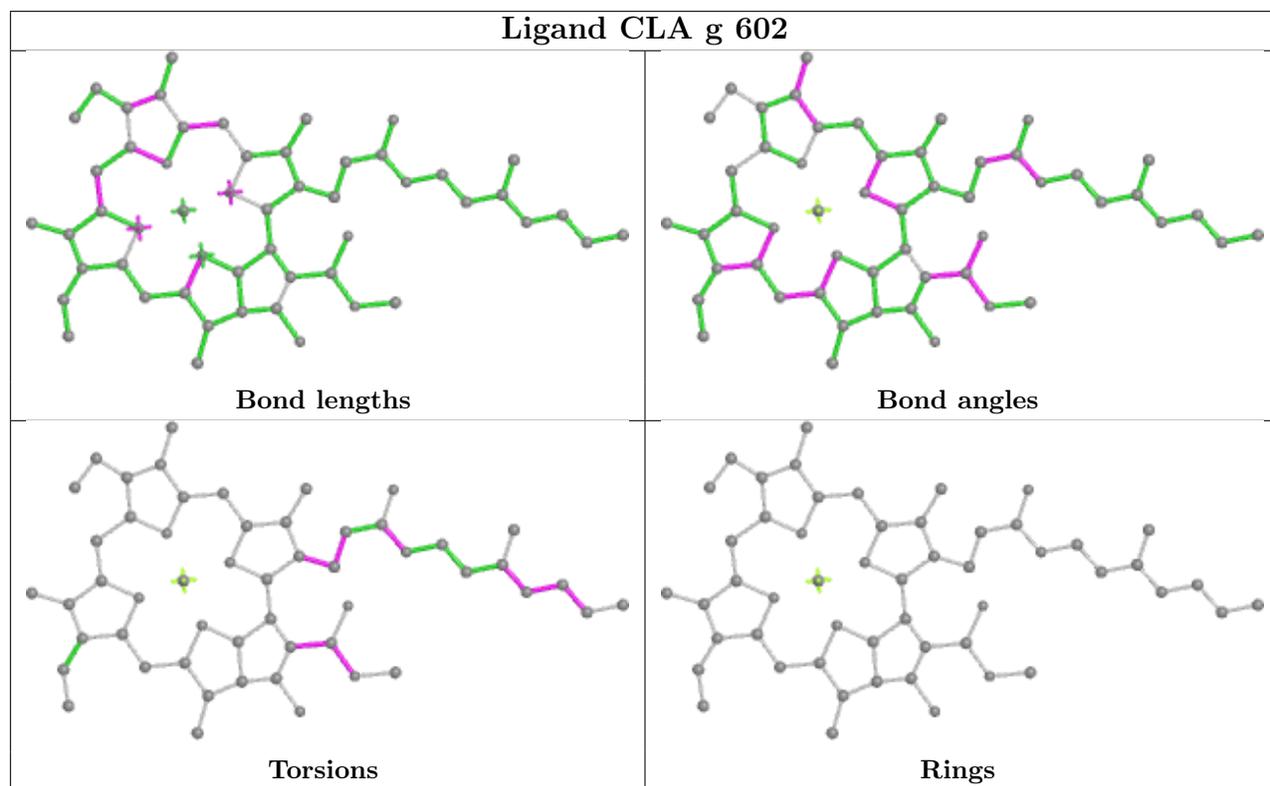
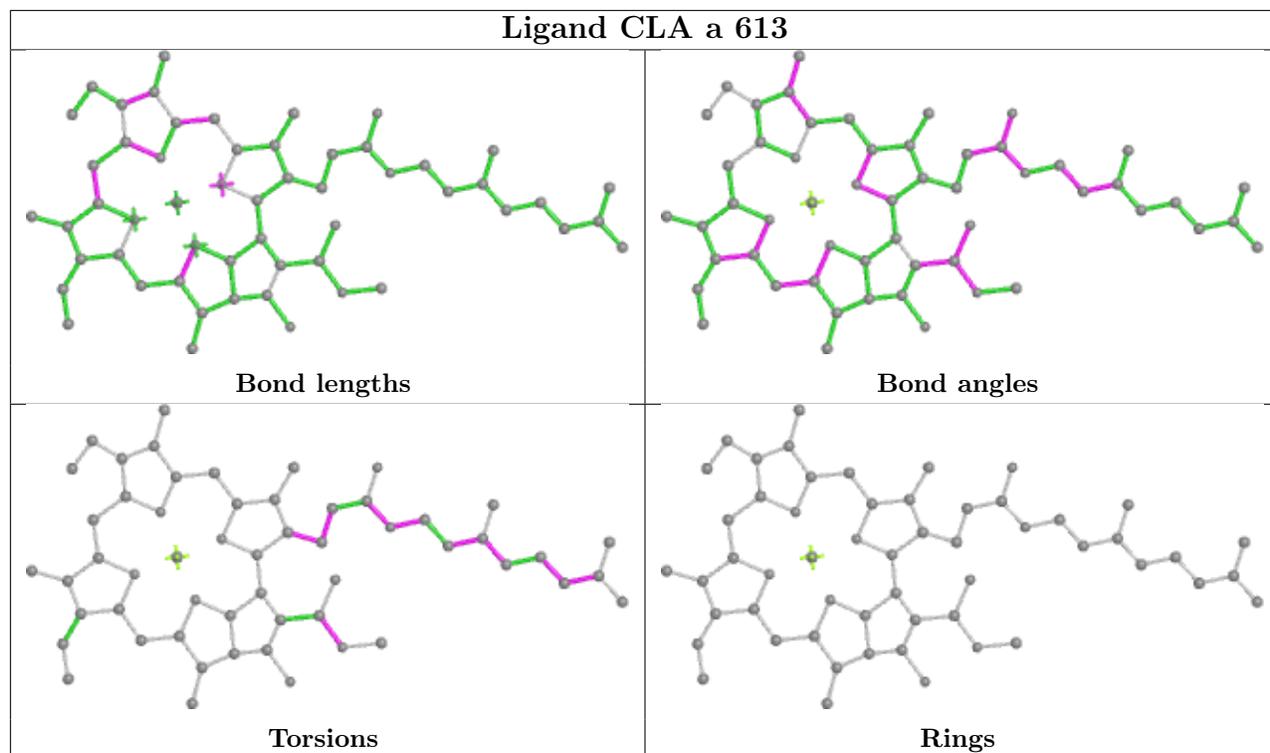


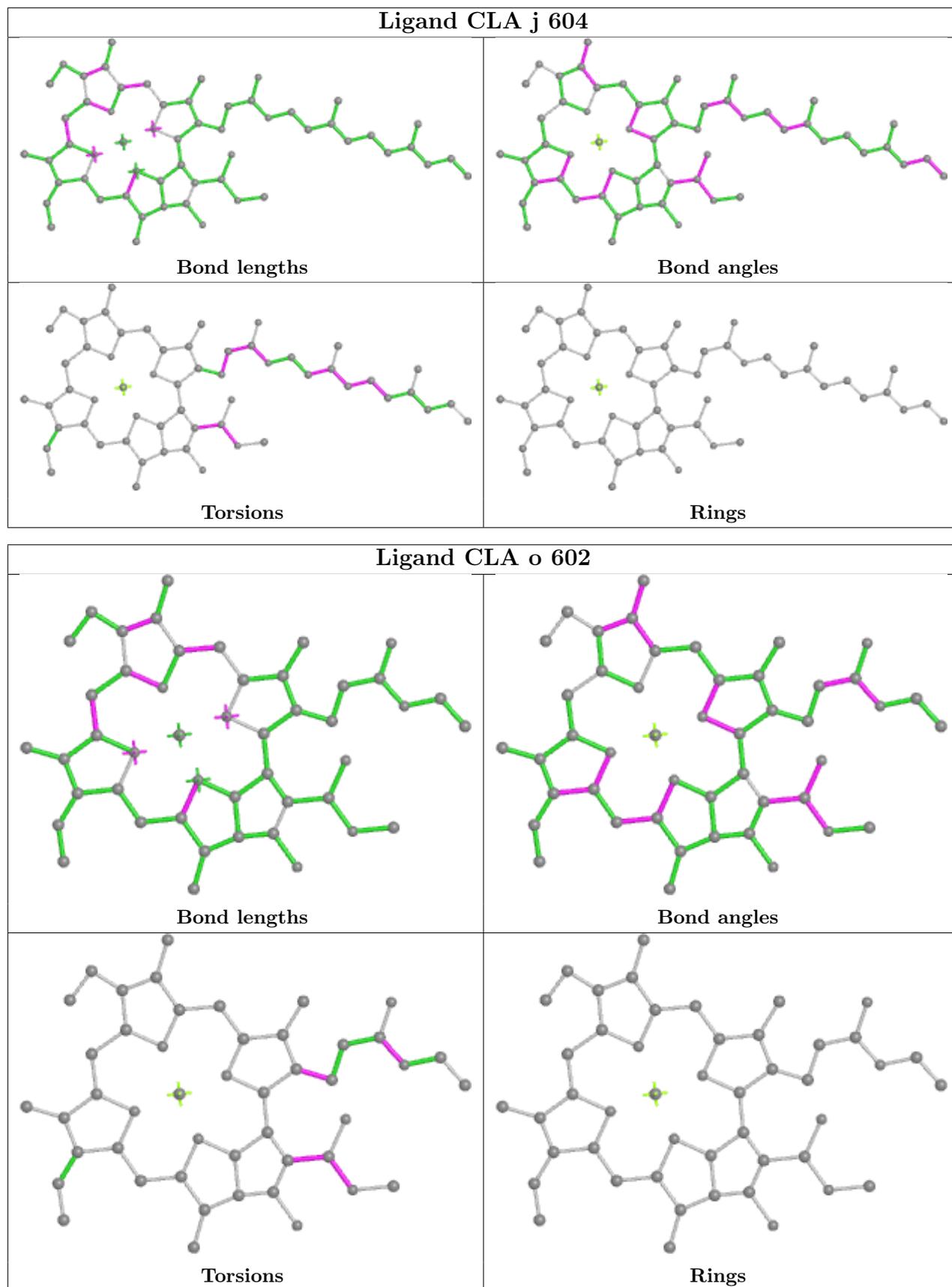


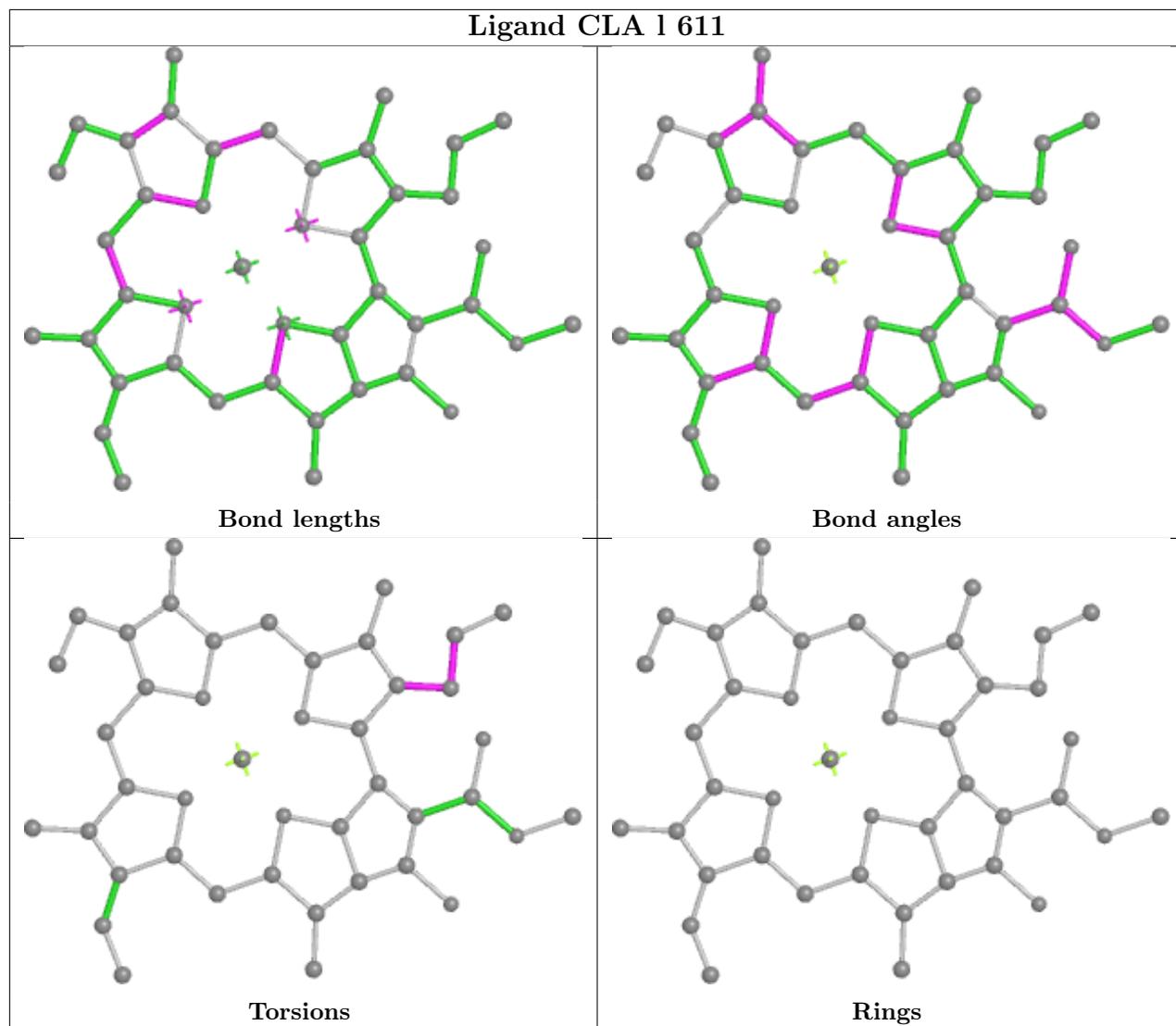


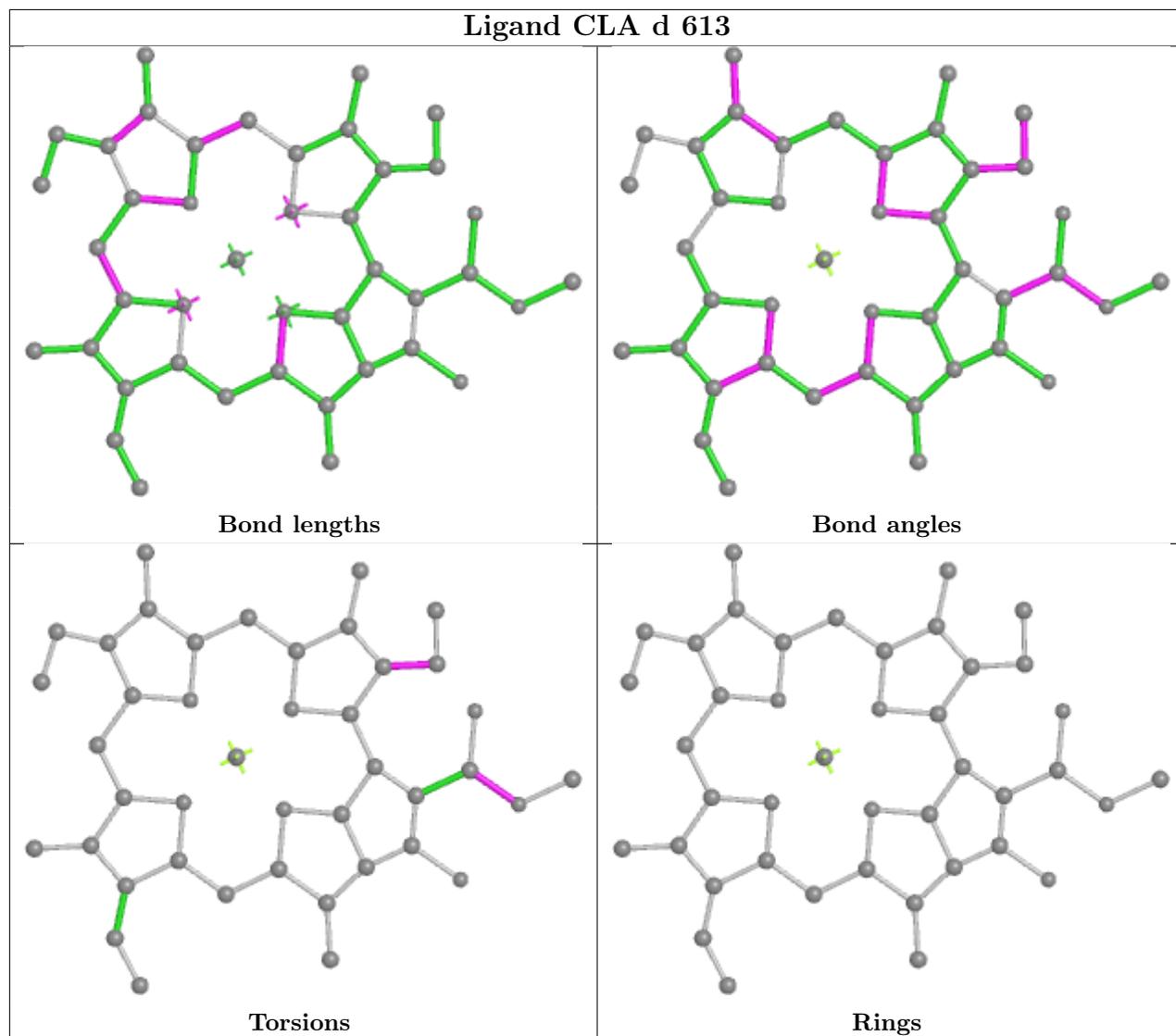


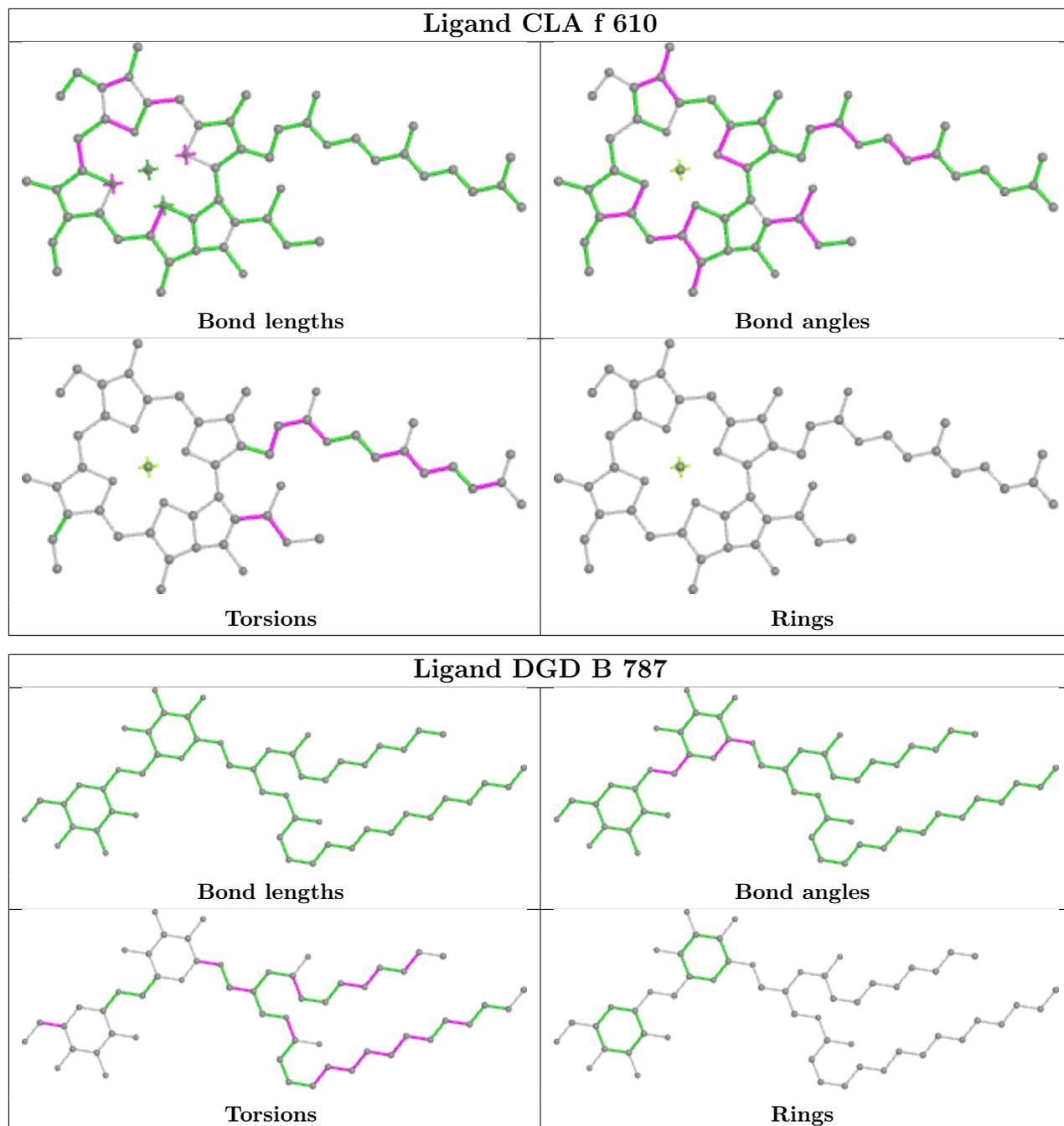


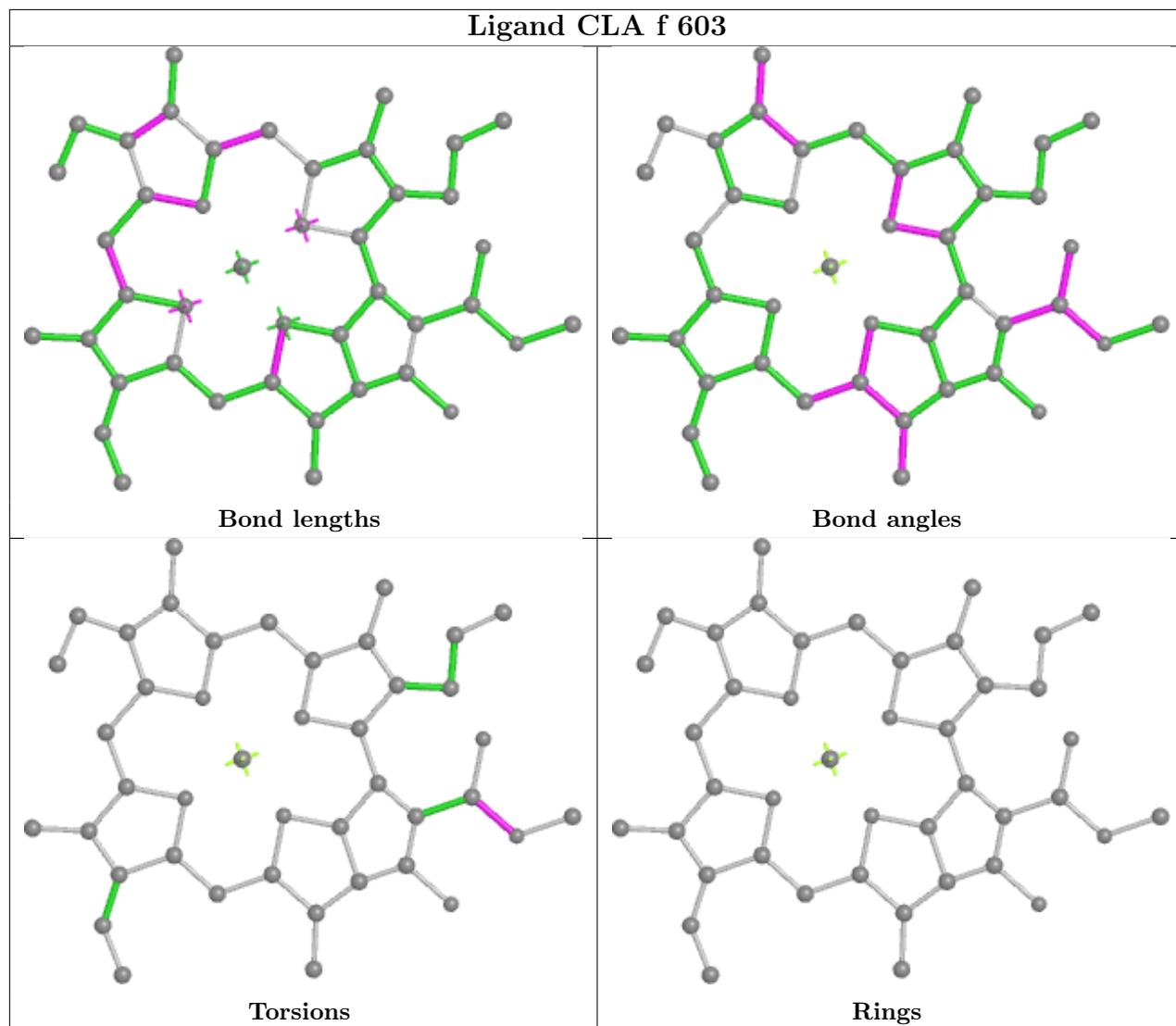


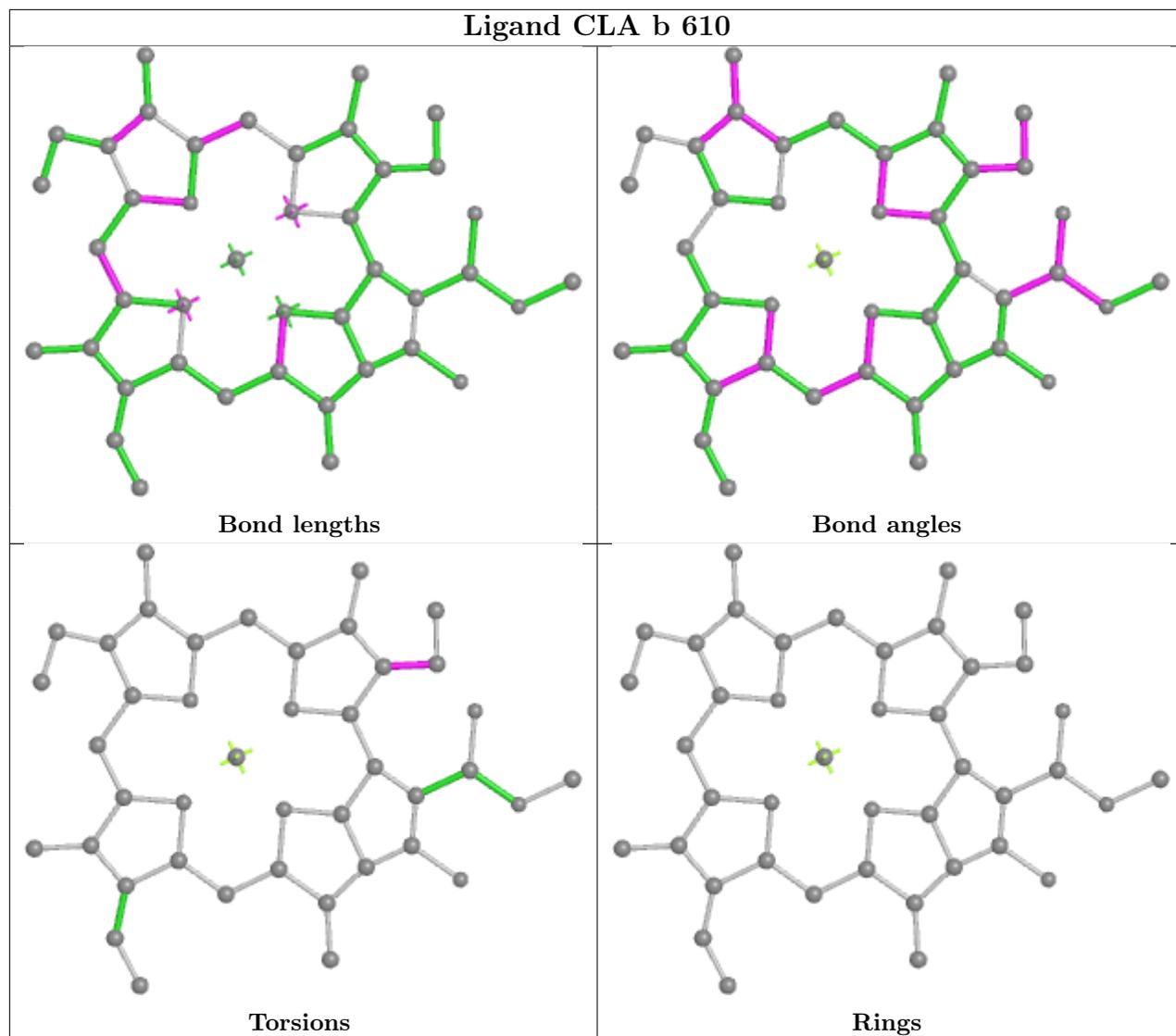


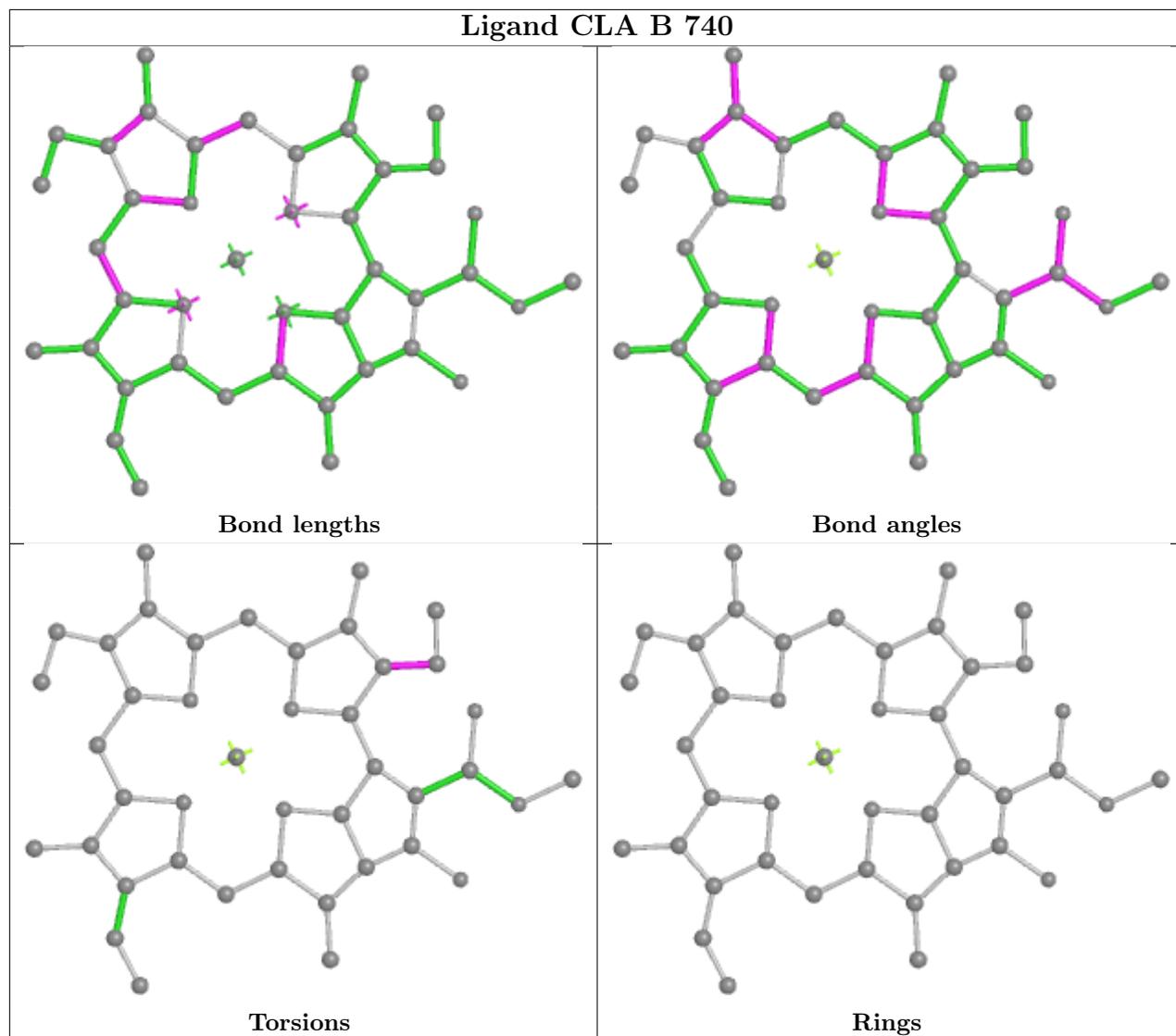


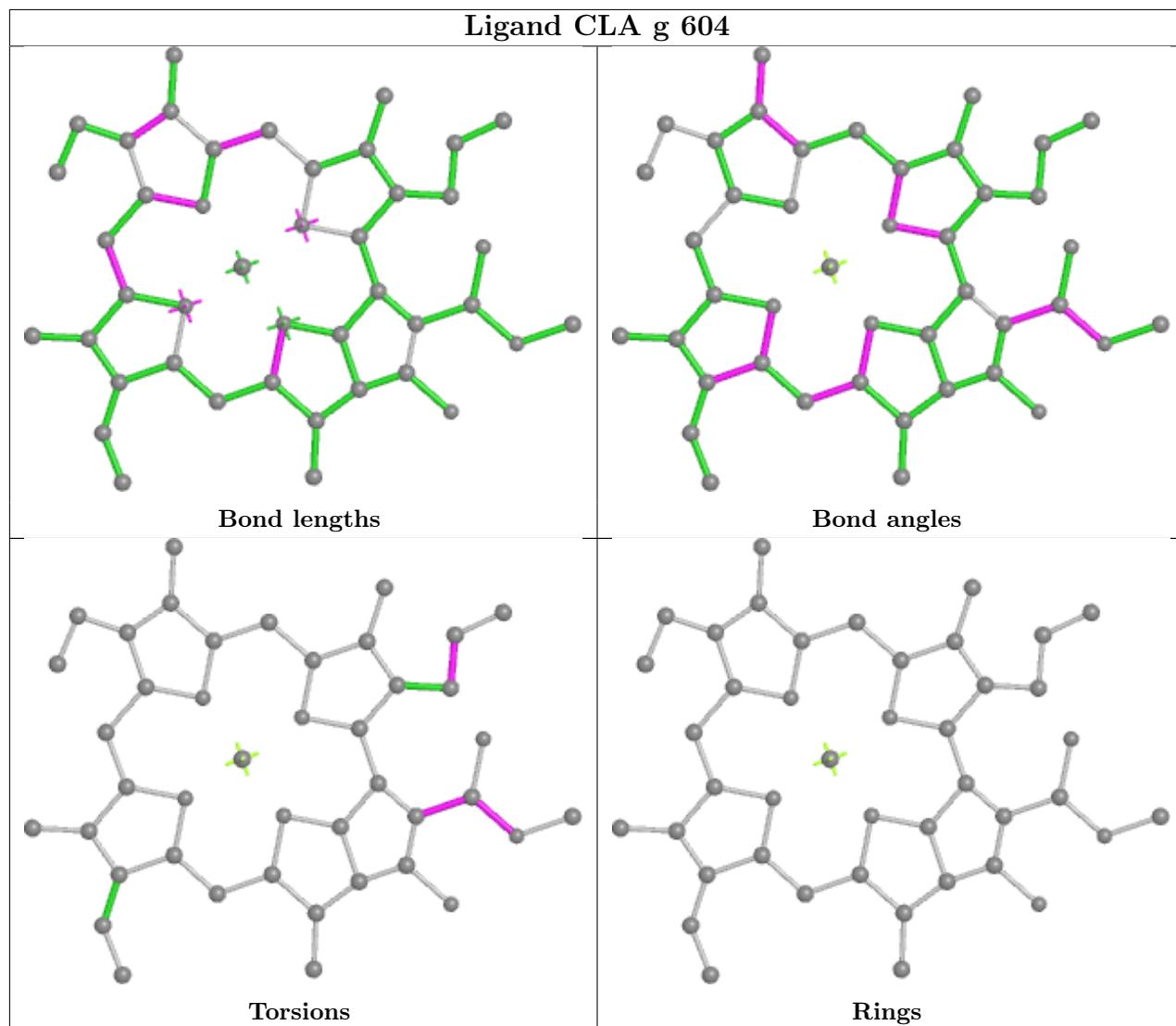


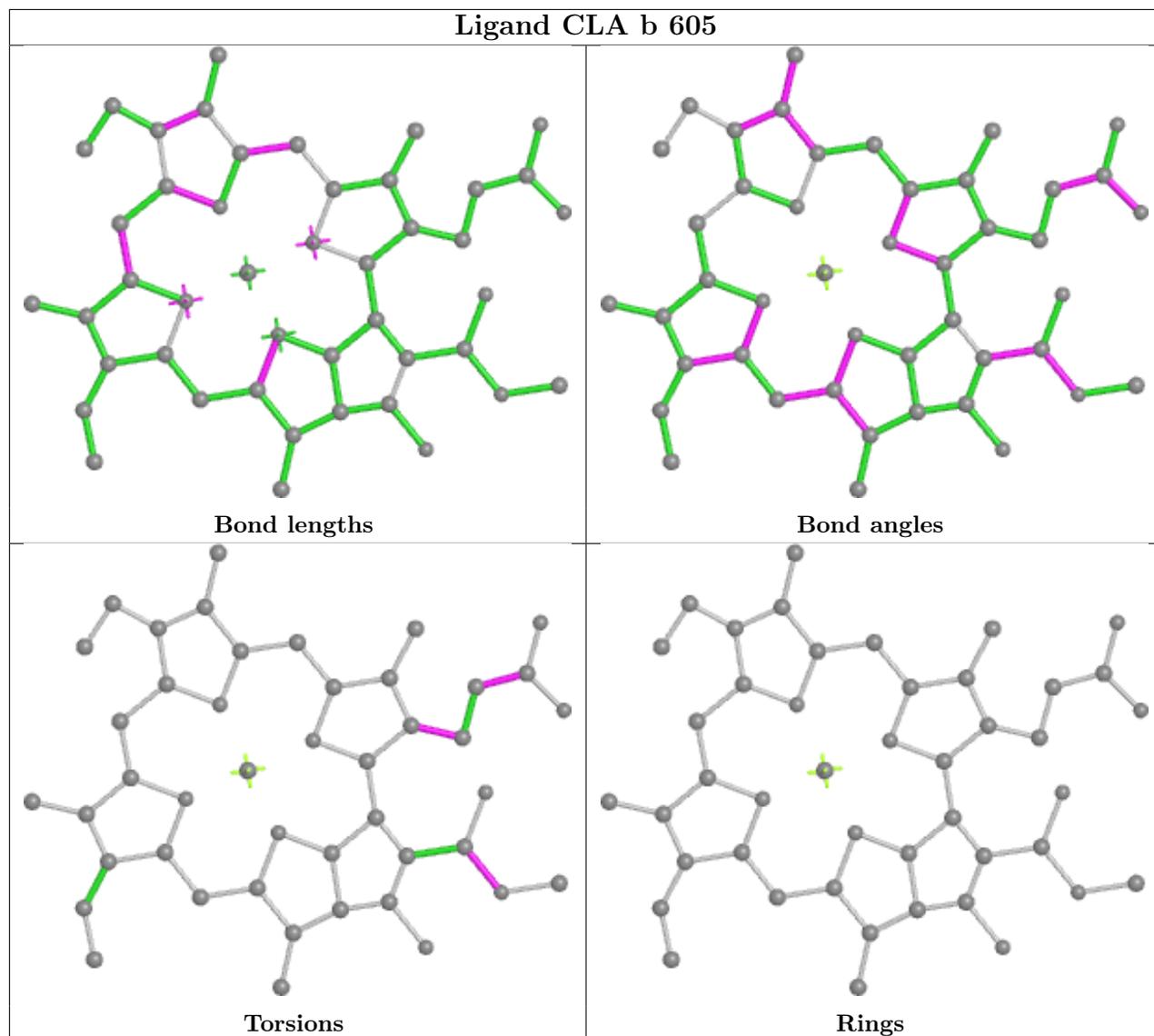


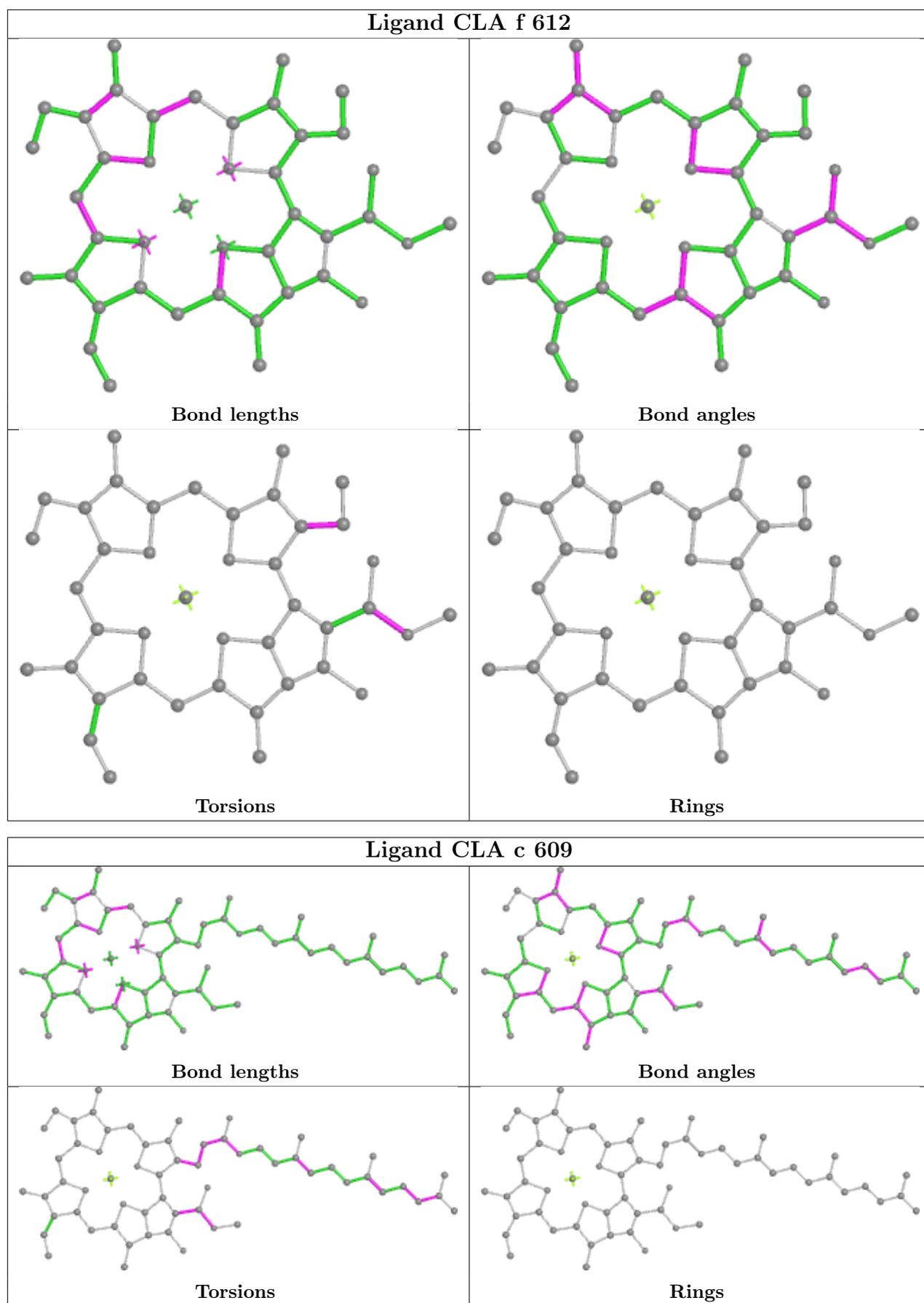


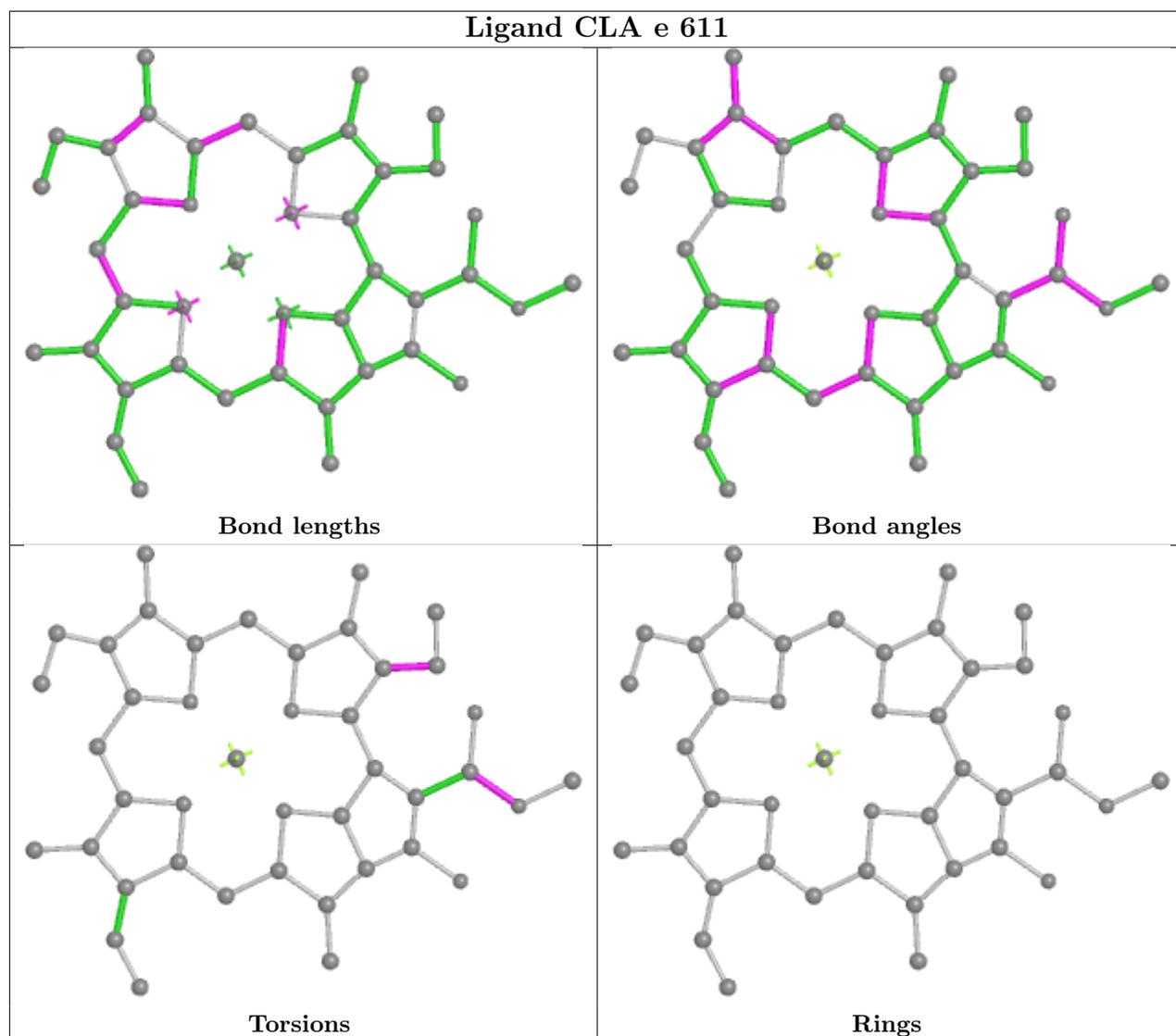
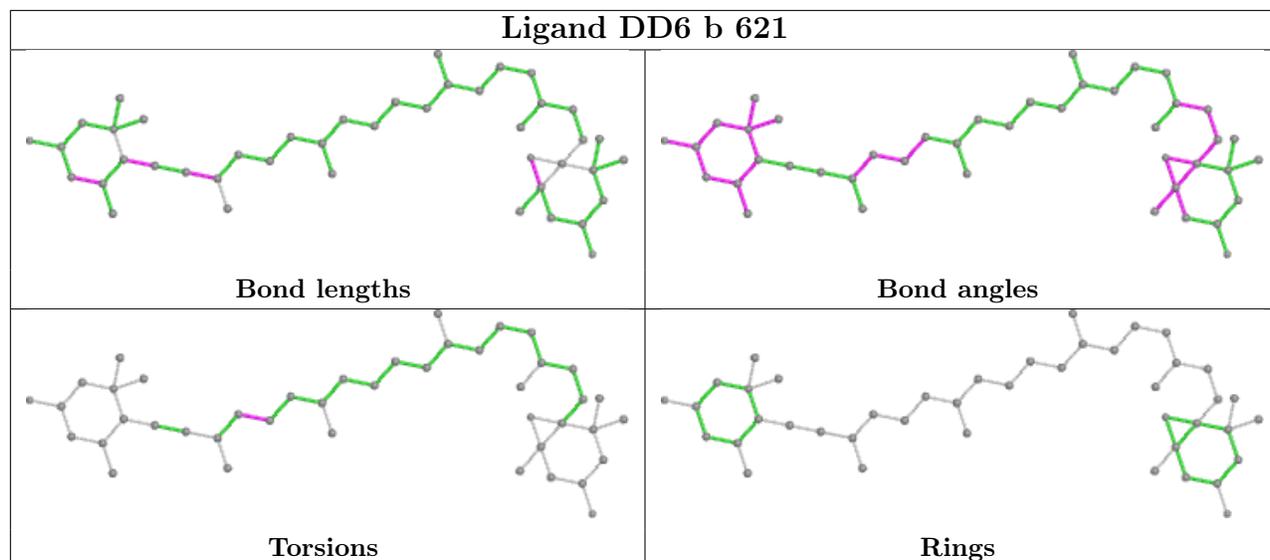


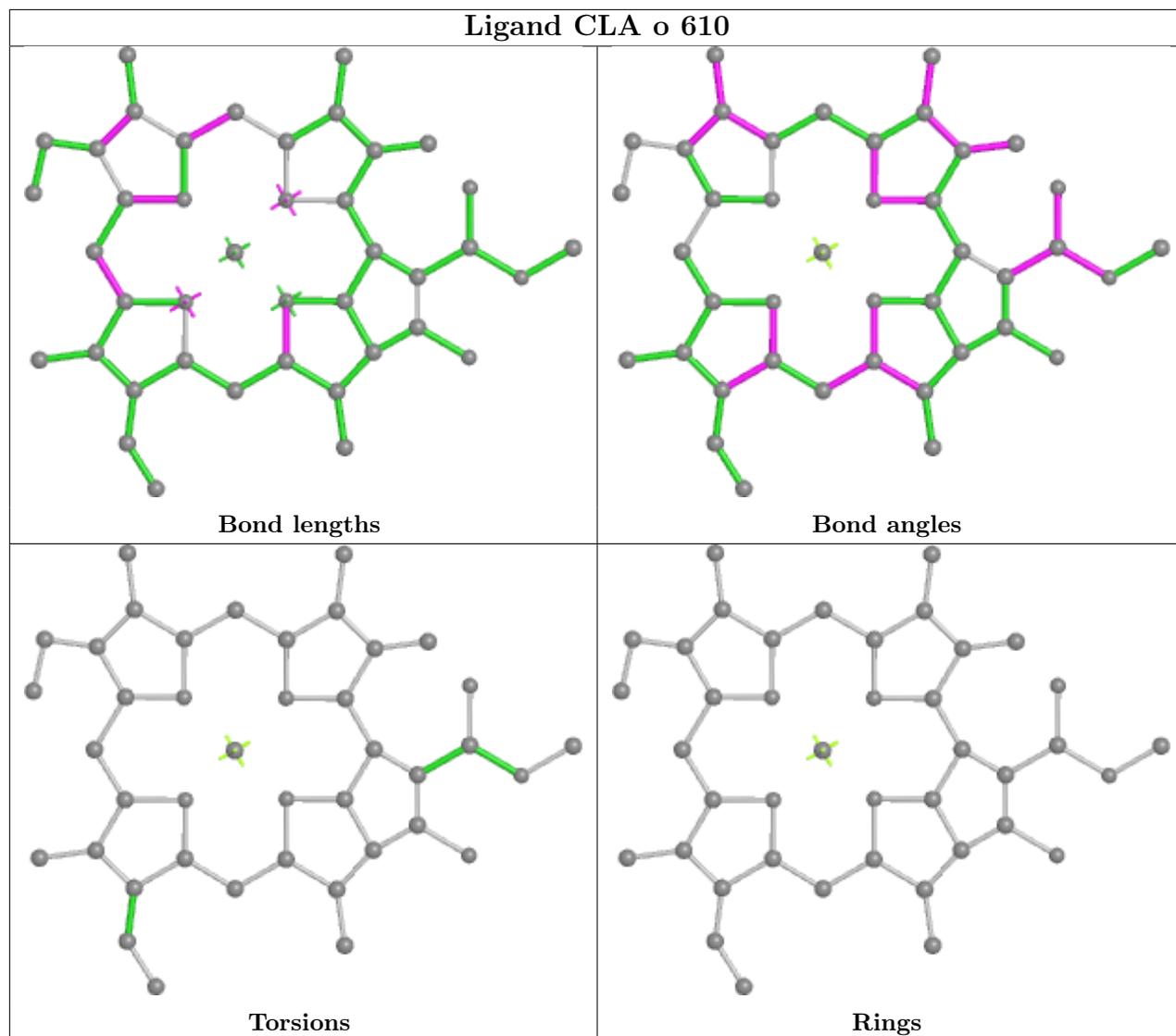


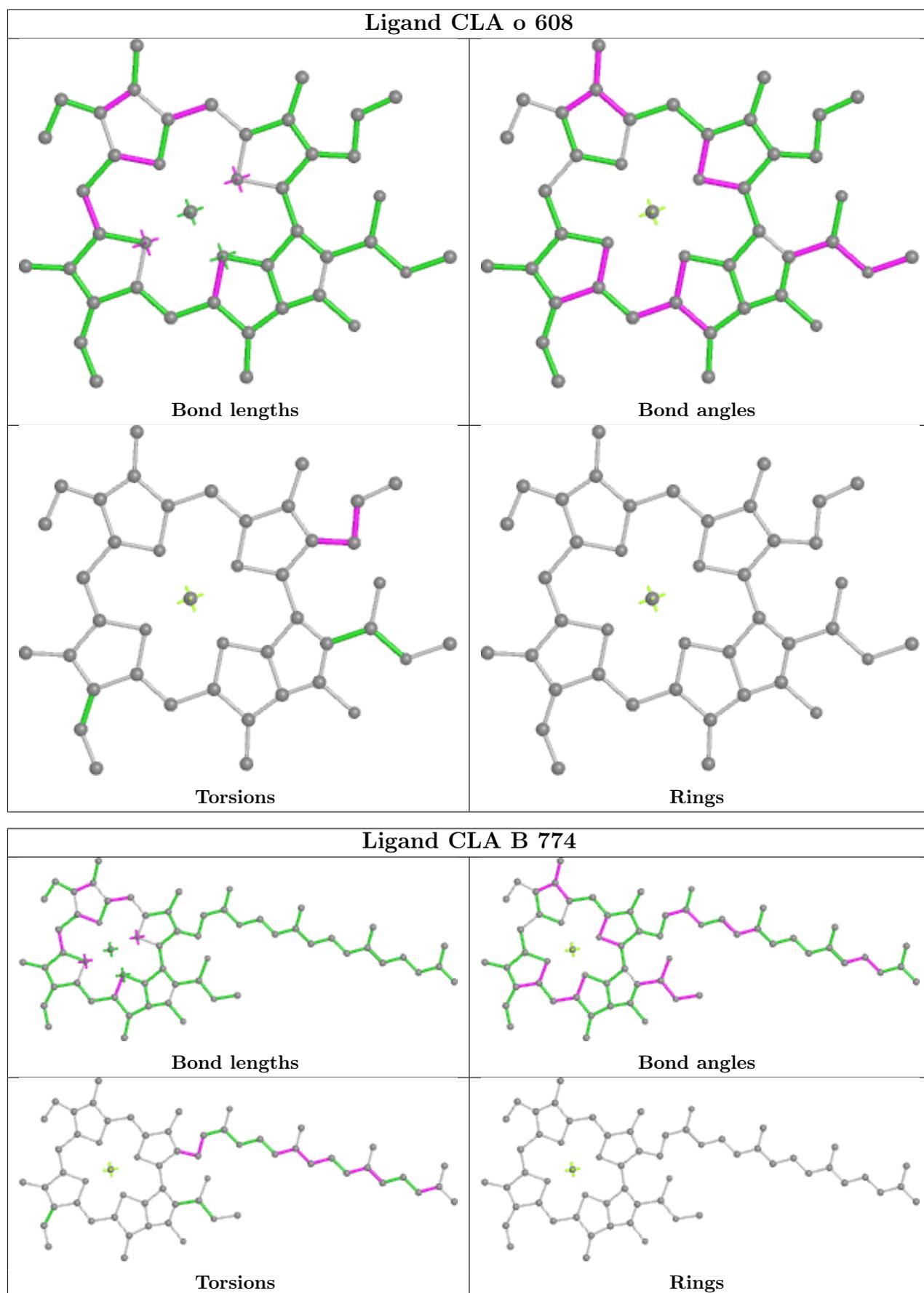


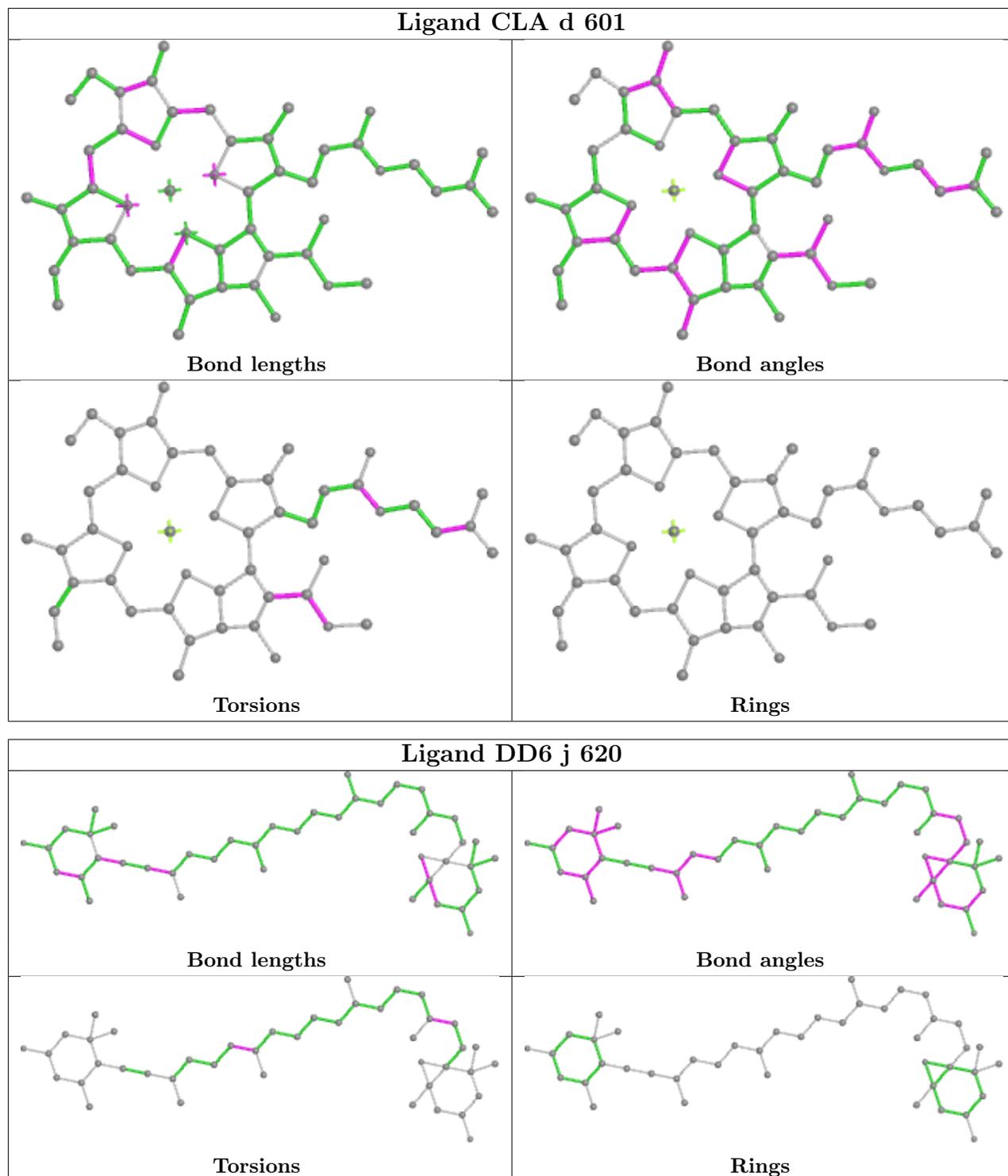


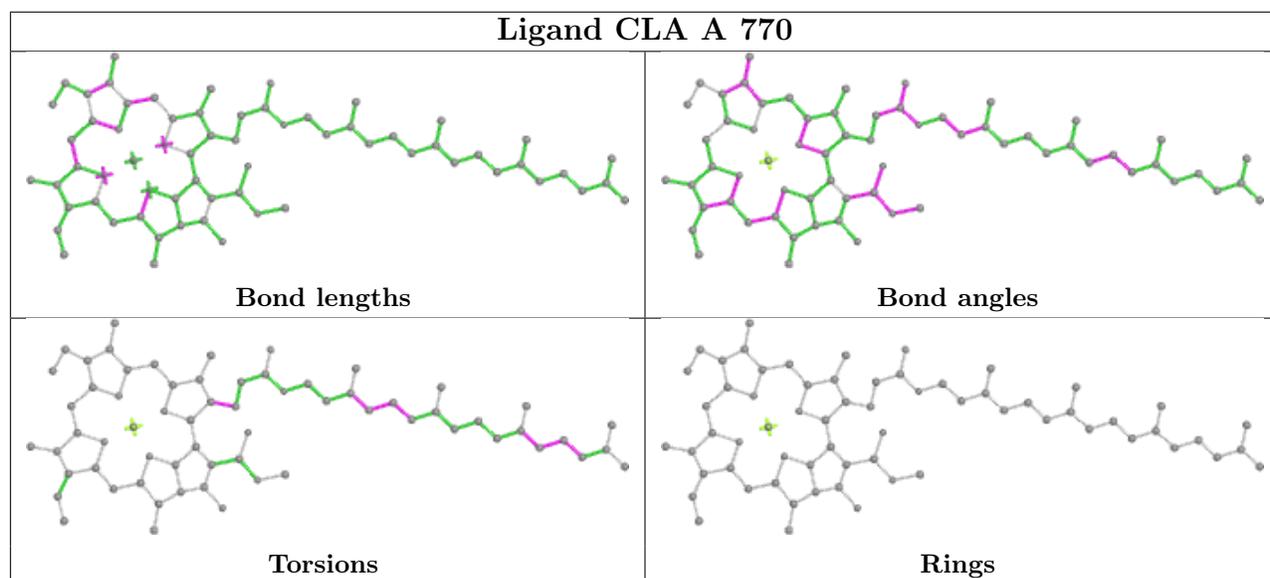
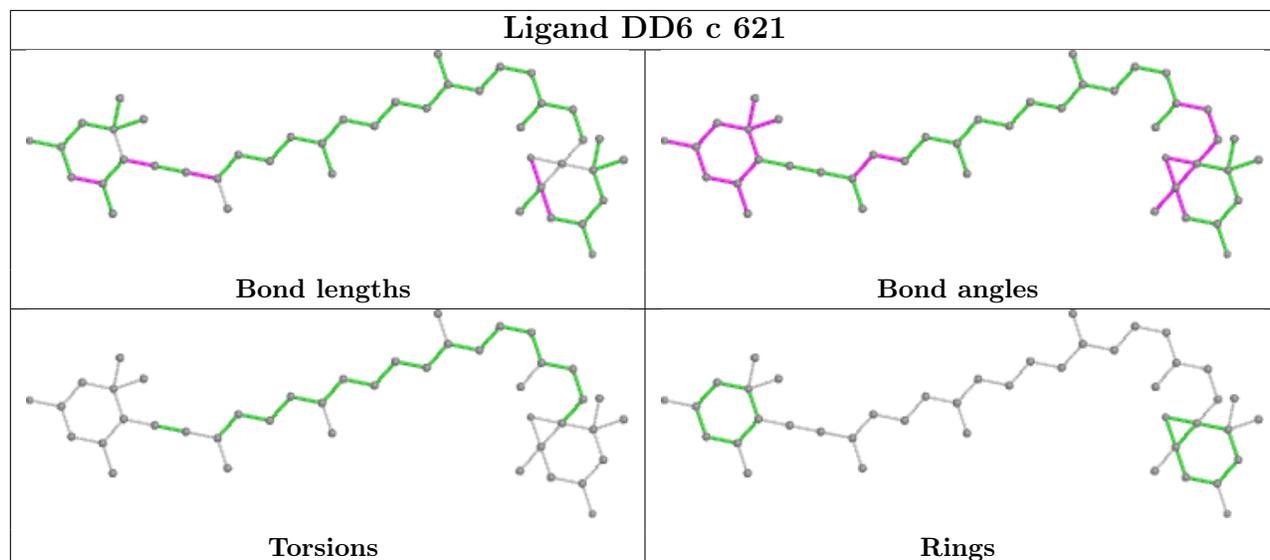


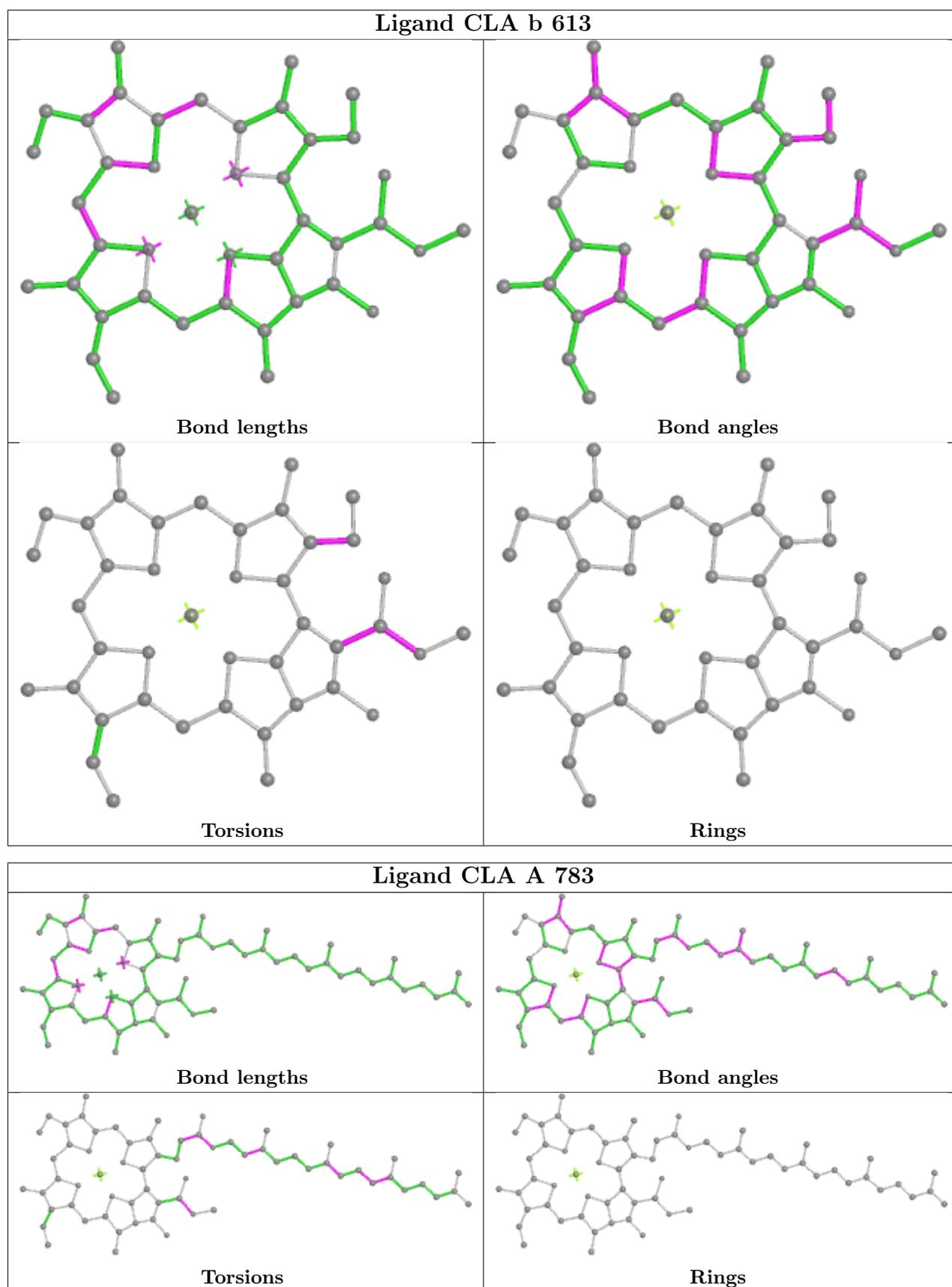


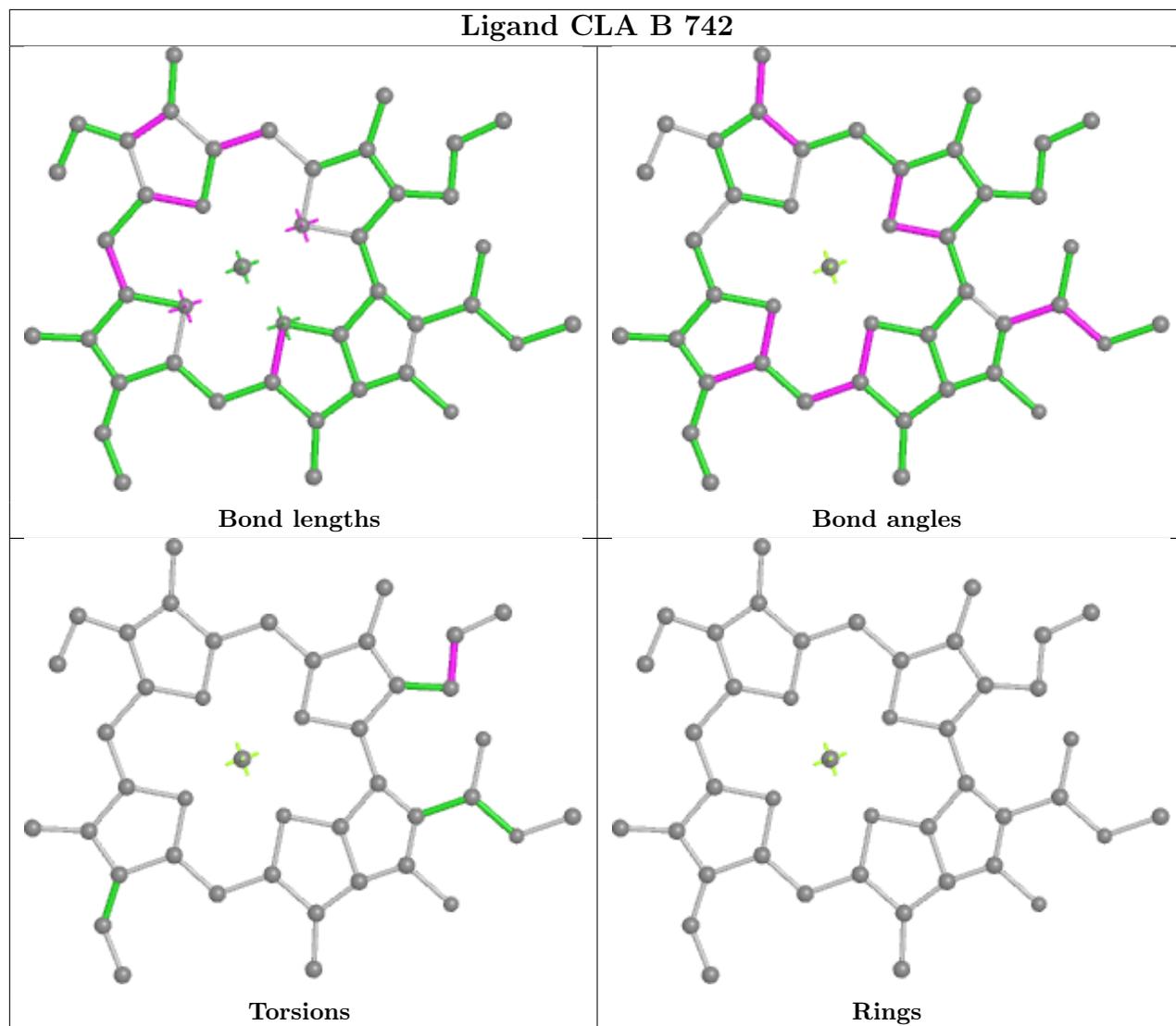


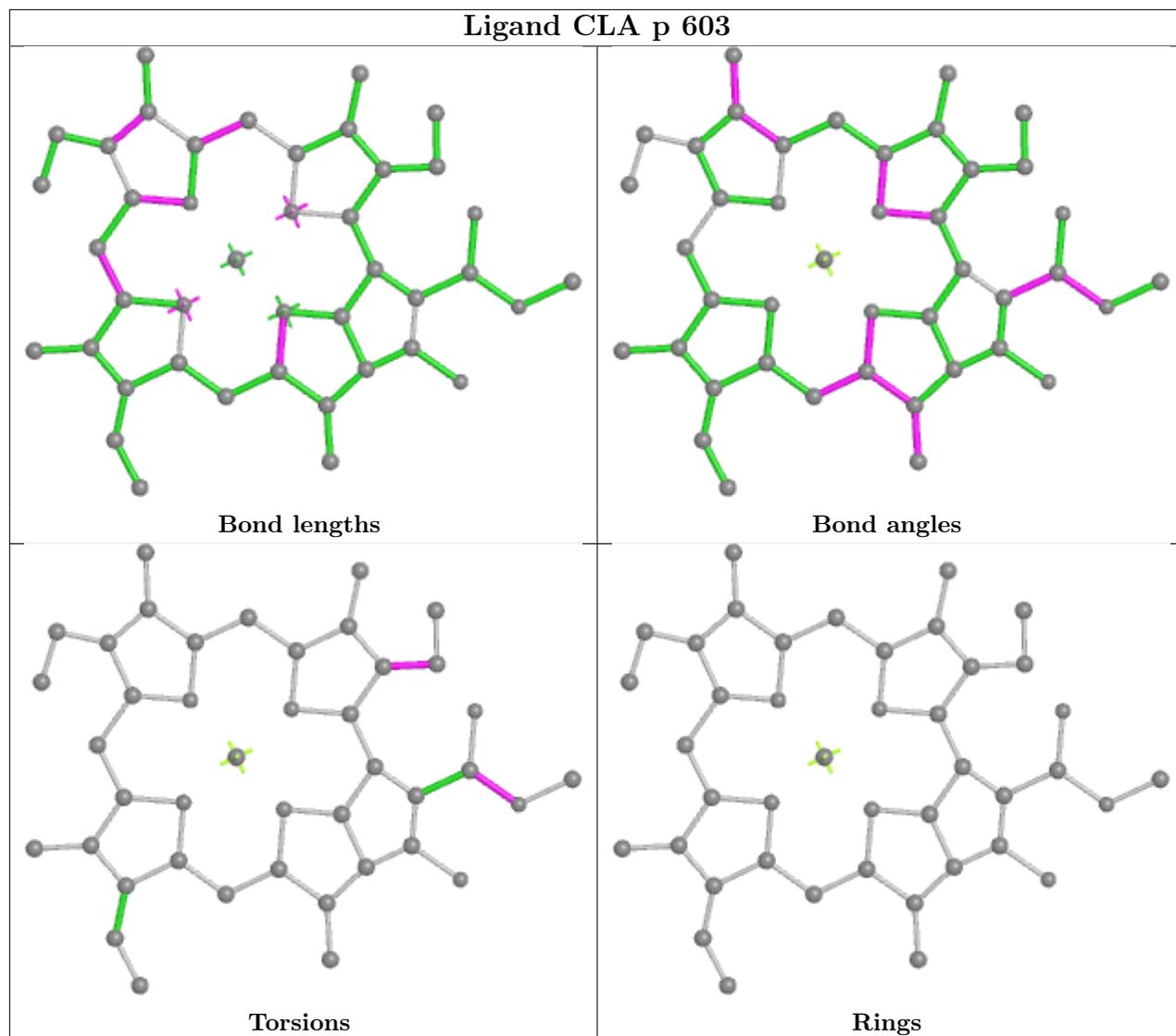


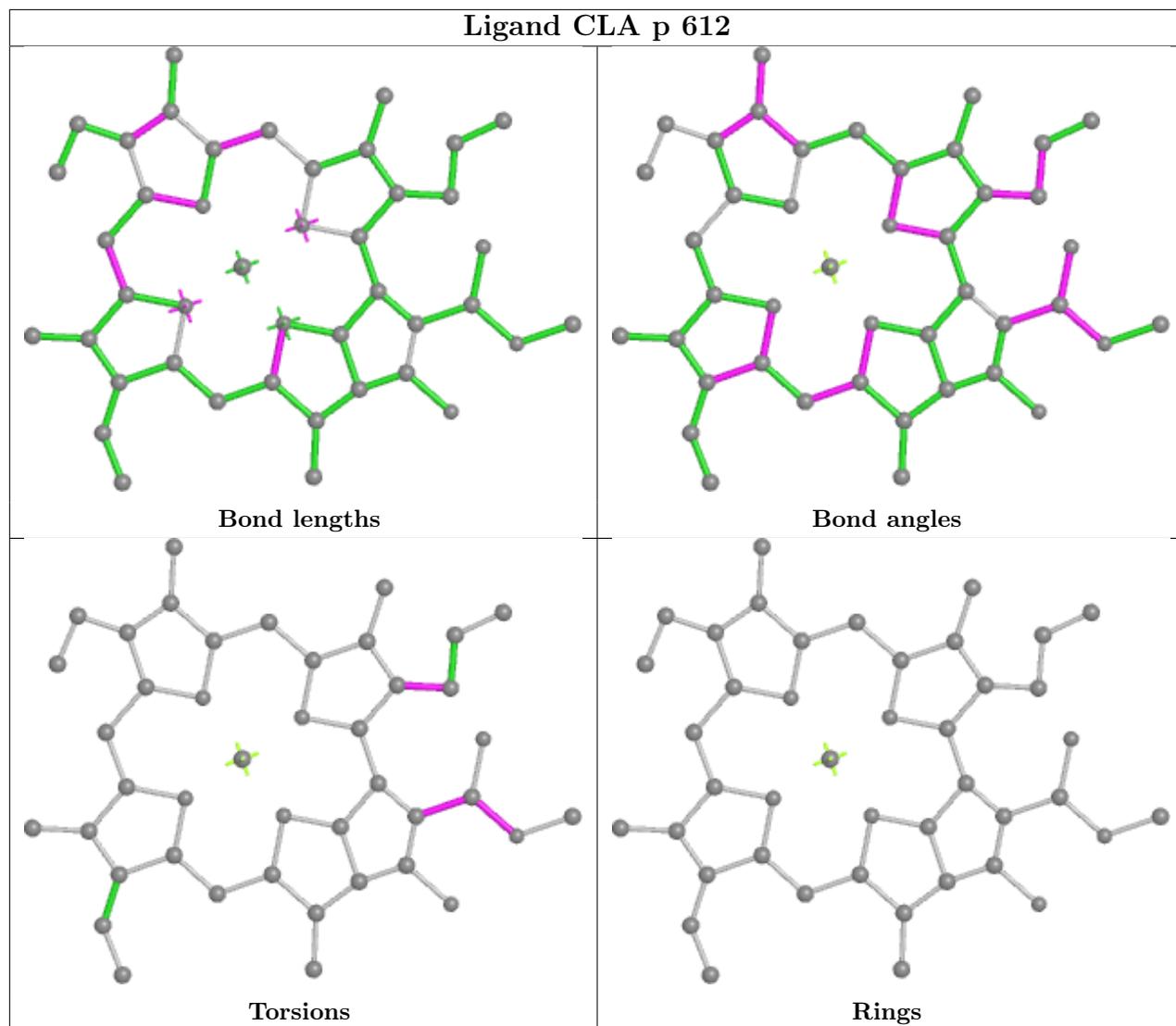


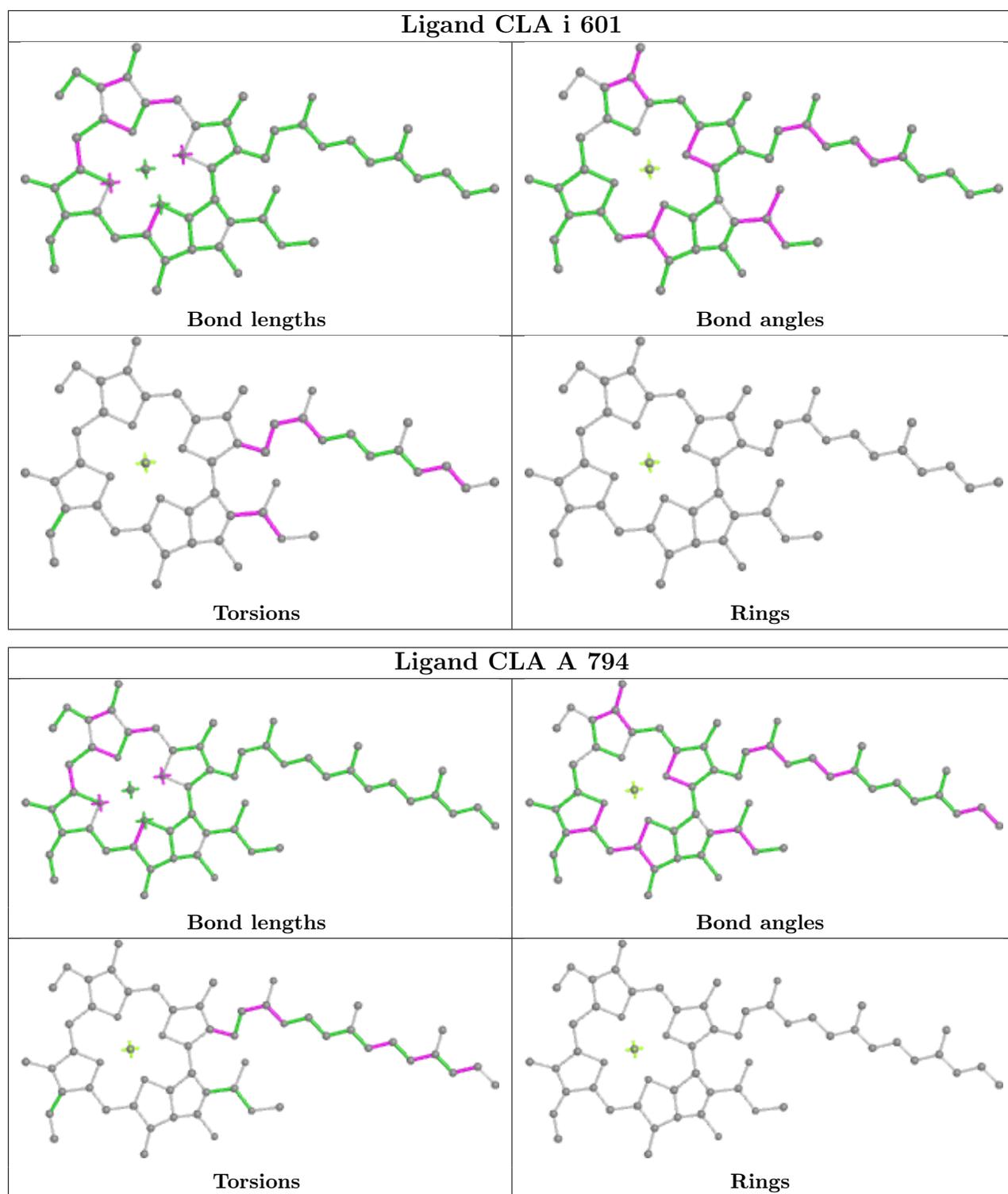












5.7 Other polymers [\(i\)](#)

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

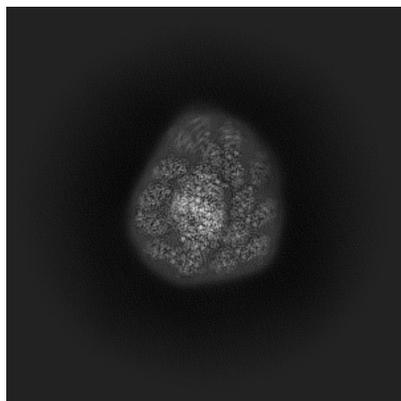
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-64823. These allow visual inspection of the internal detail of the map and identification of artifacts.

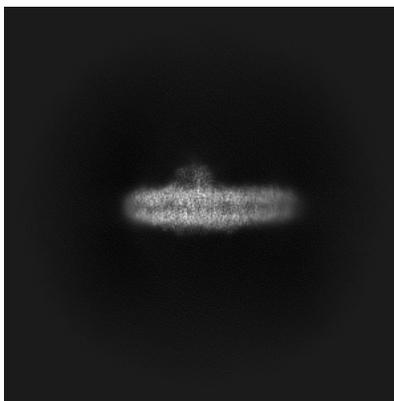
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

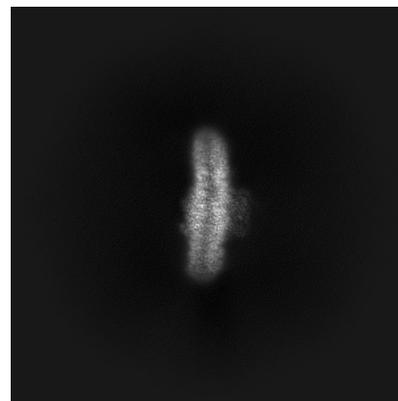
6.1.1 Primary map



X

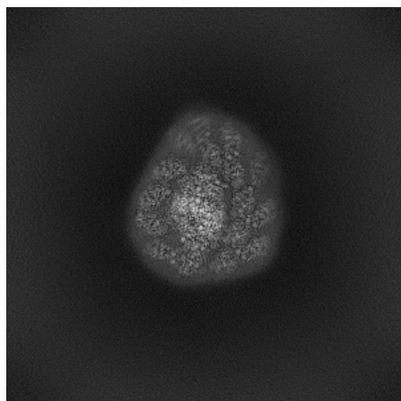


Y

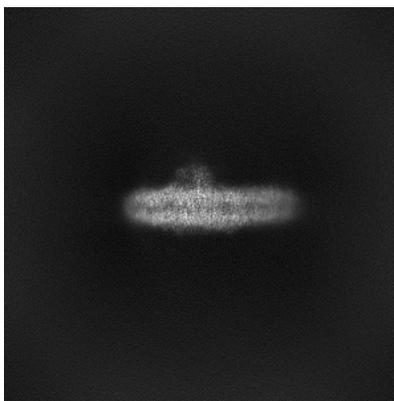


Z

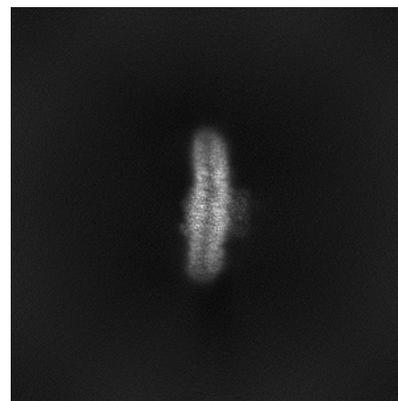
6.1.2 Raw map



X



Y

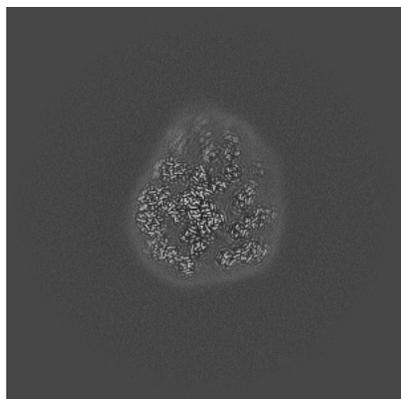


Z

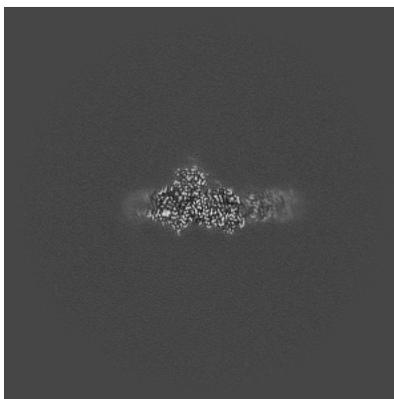
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

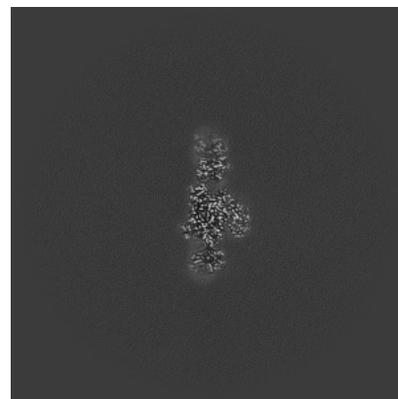
6.2.1 Primary map



X Index: 256

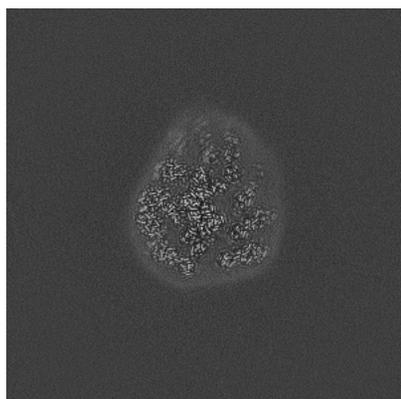


Y Index: 256

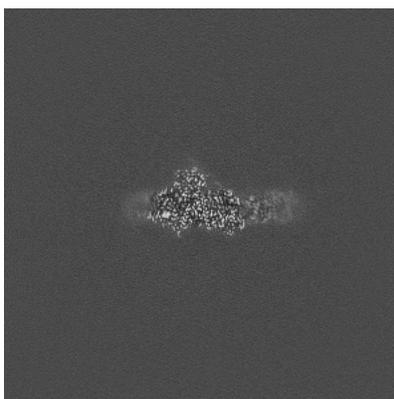


Z Index: 256

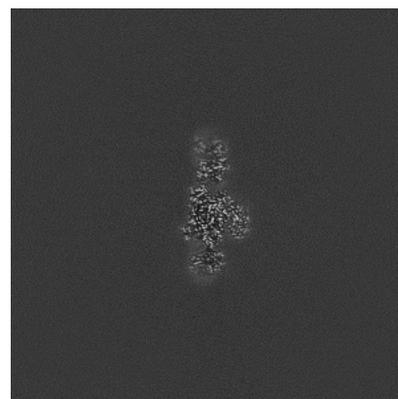
6.2.2 Raw map



X Index: 256



Y Index: 256

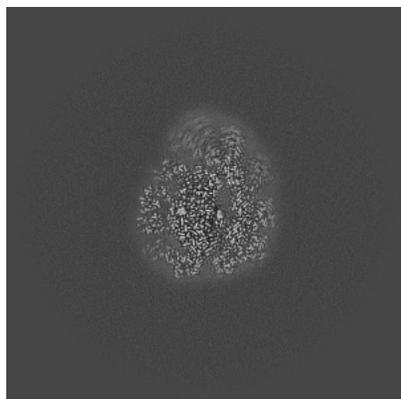


Z Index: 256

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

6.3 Largest variance slices [i](#)

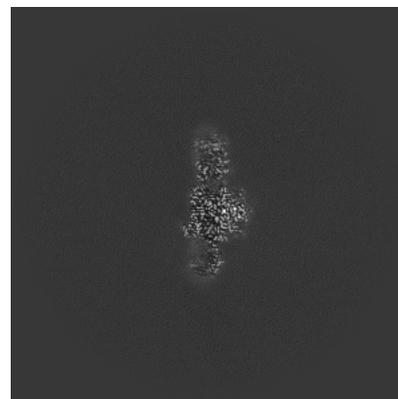
6.3.1 Primary map



X Index: 267

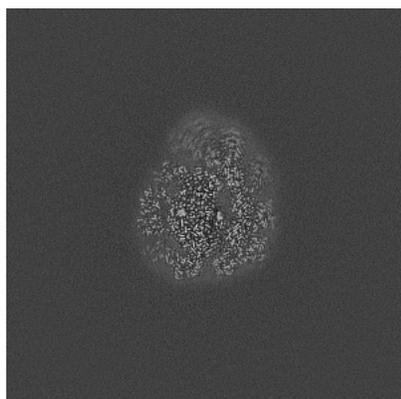


Y Index: 249



Z Index: 250

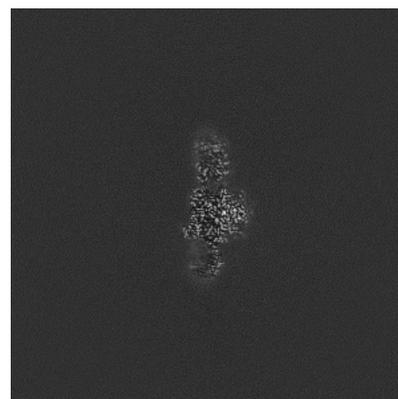
6.3.2 Raw map



X Index: 267



Y Index: 249

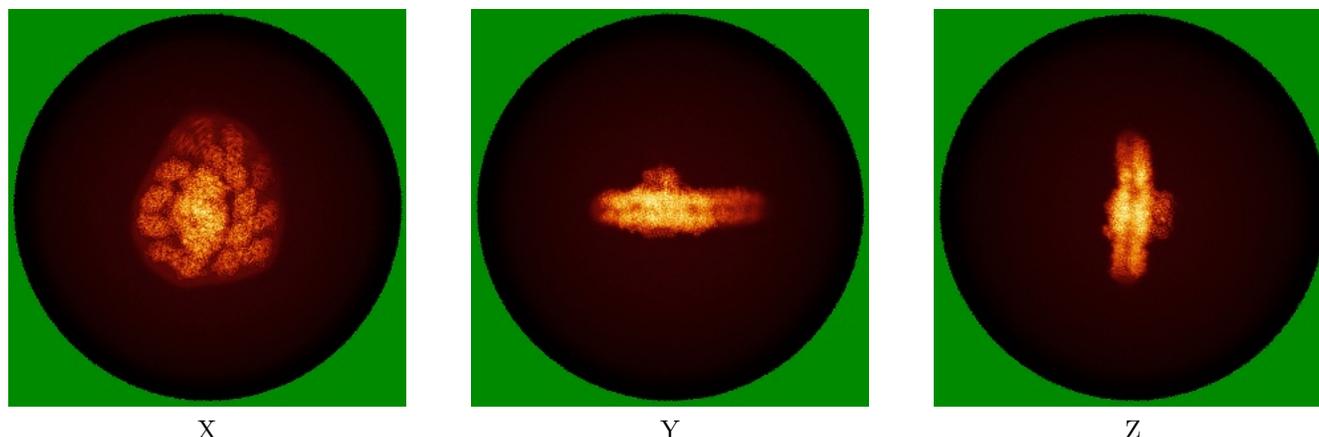


Z Index: 250

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

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

6.4.1 Primary map

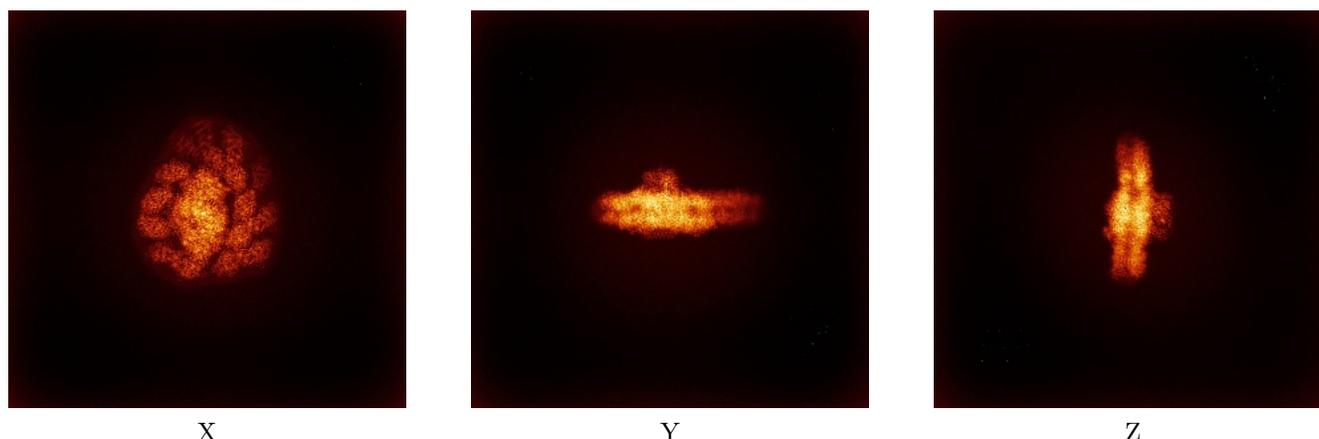


X

Y

Z

6.4.2 Raw map



X

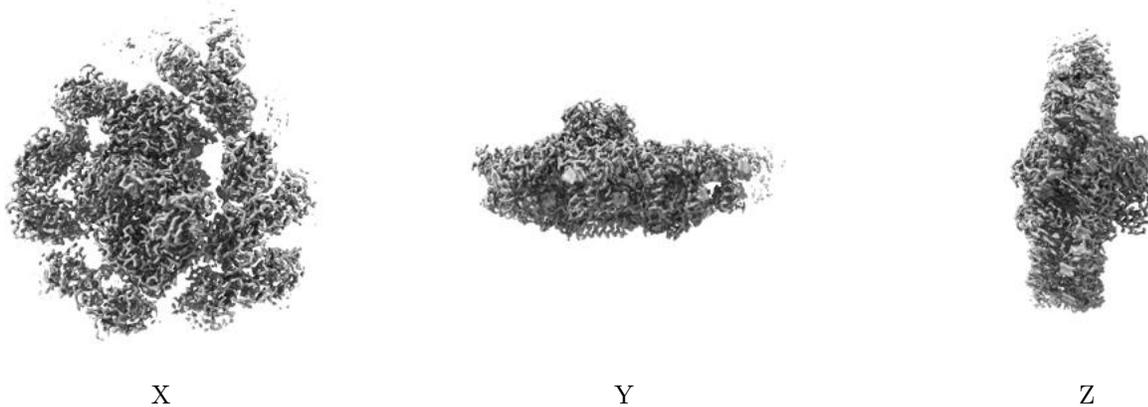
Y

Z

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

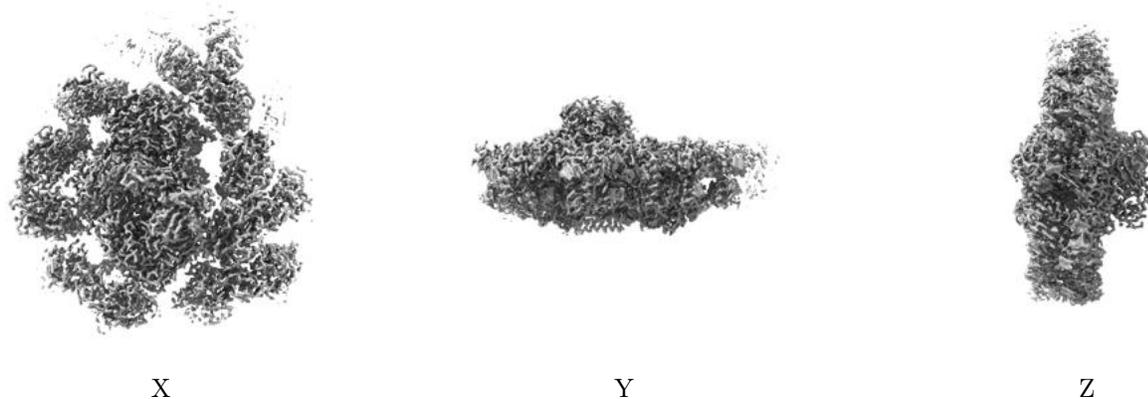
6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.5. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



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

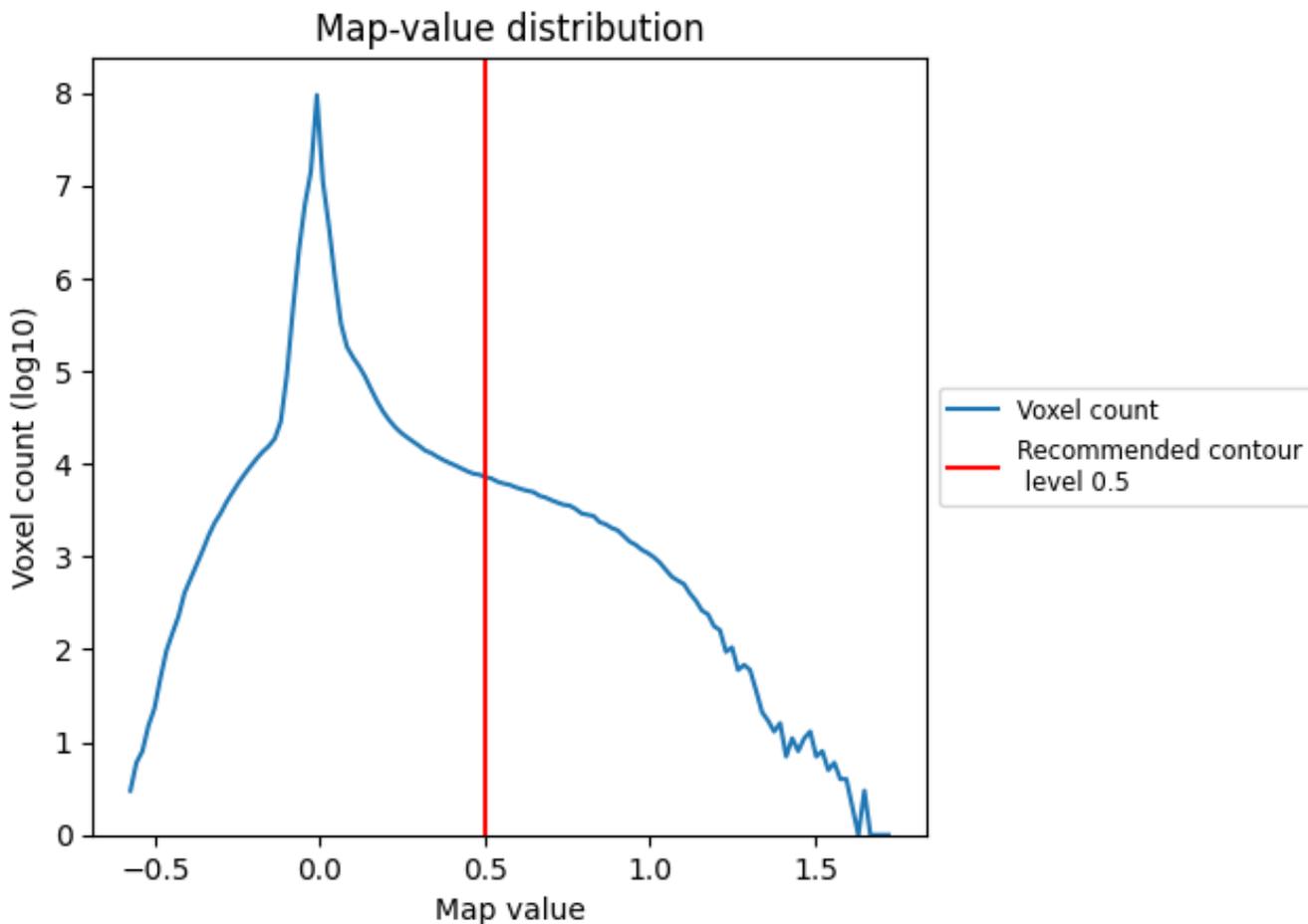
6.6 Mask visualisation [i](#)

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

7 Map analysis [i](#)

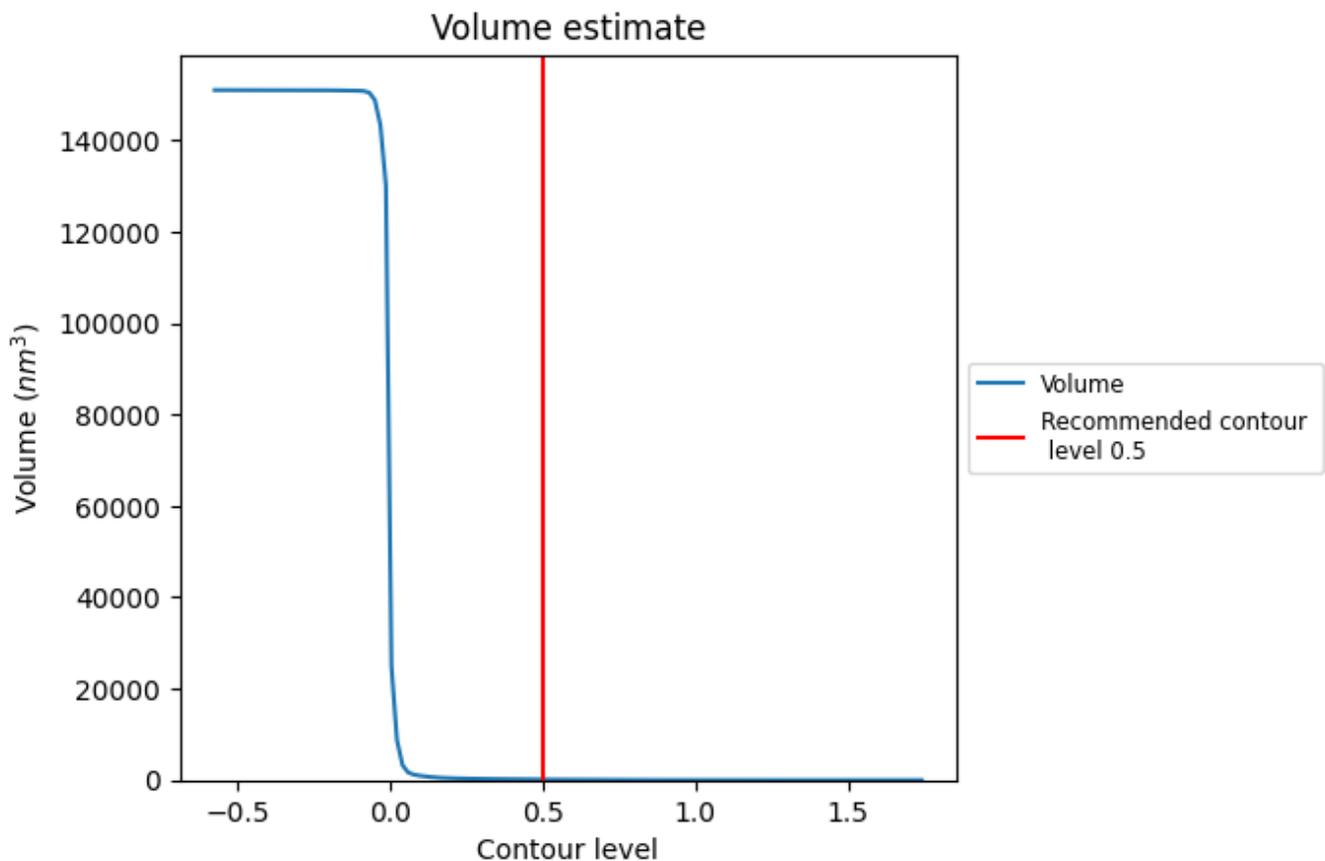
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



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

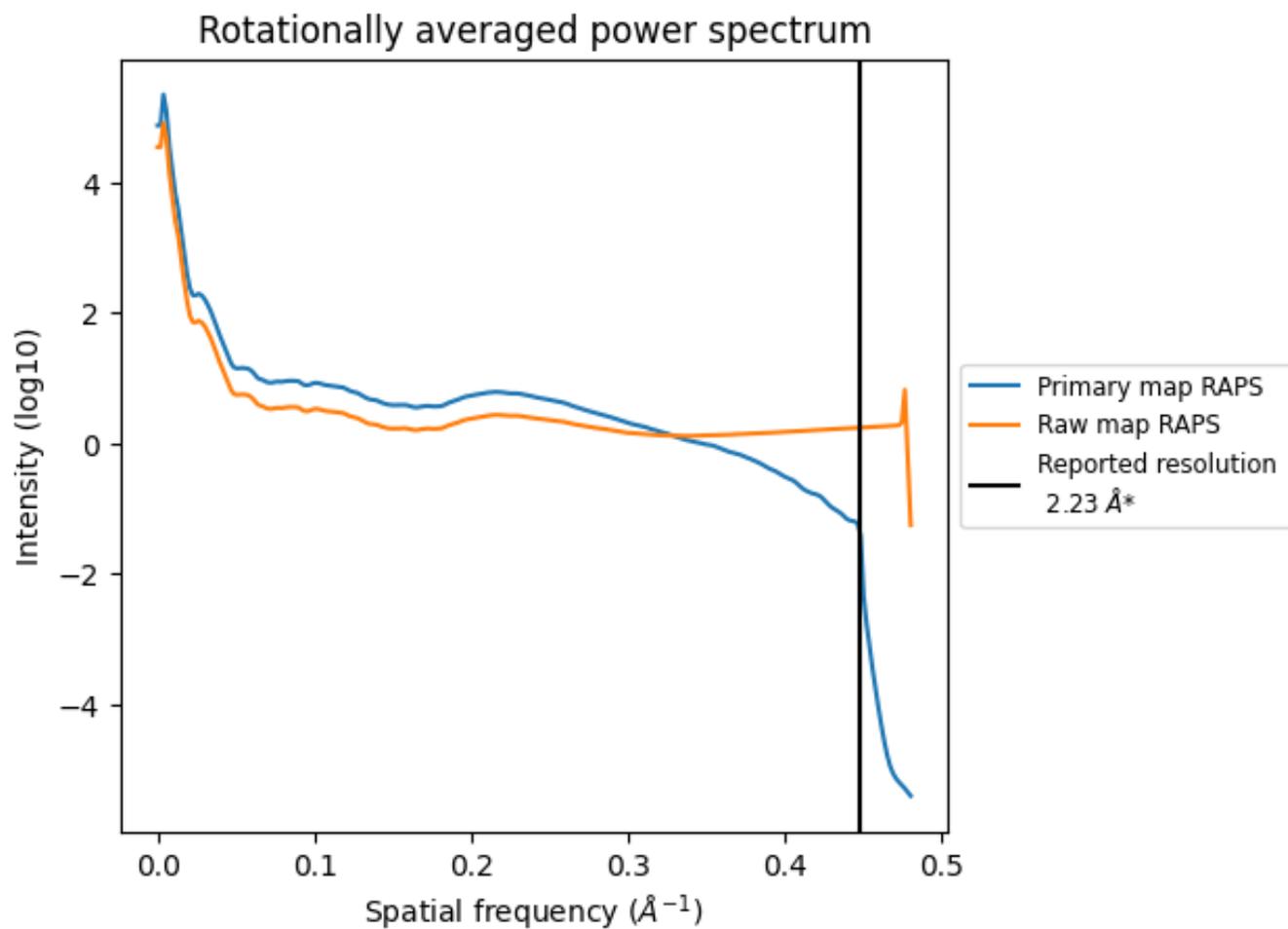
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 125 nm^3 ; this corresponds to an approximate mass of 113 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

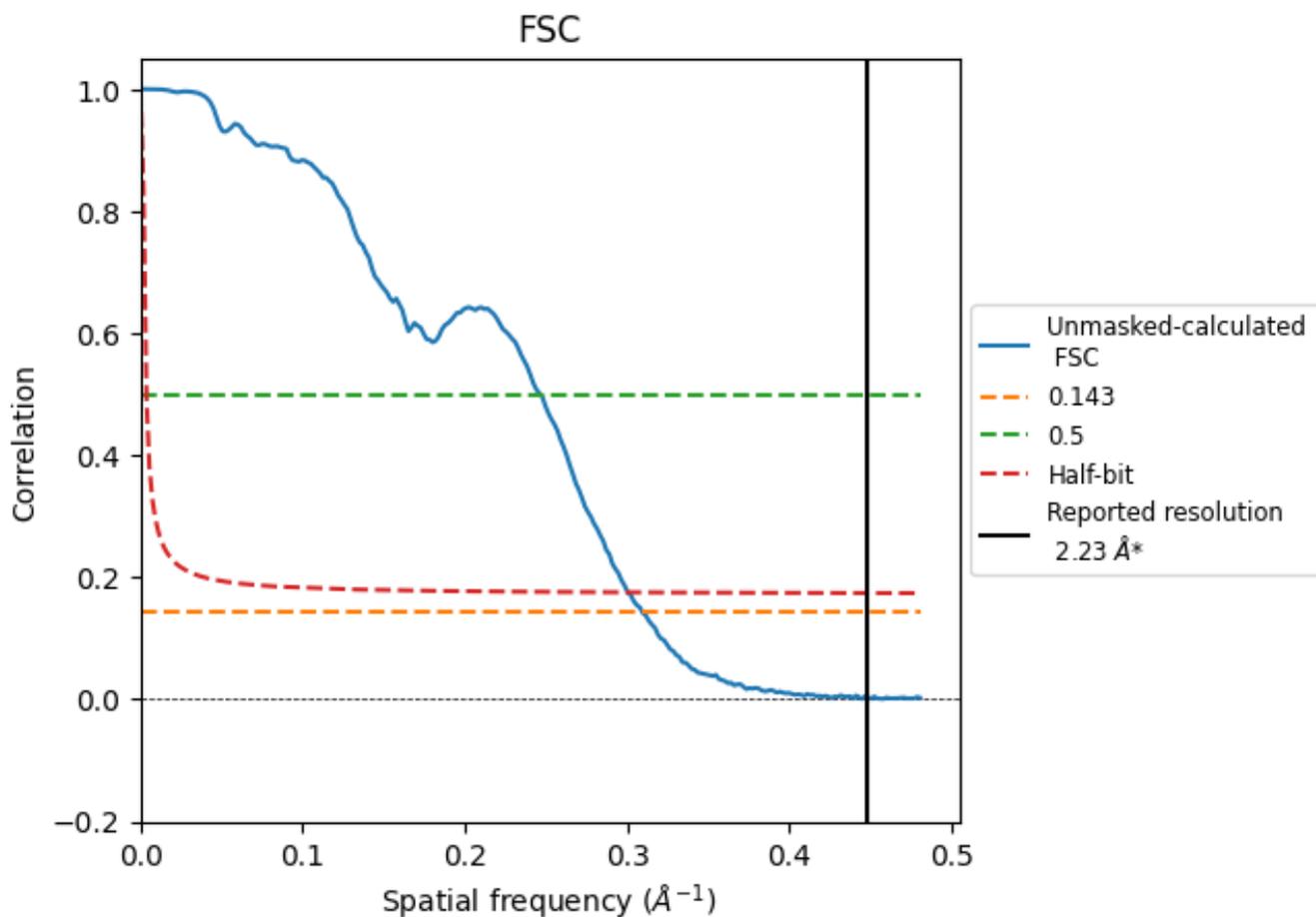


*Reported resolution corresponds to spatial frequency of 0.448 Å⁻¹

8 Fourier-Shell correlation [i](#)

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

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.448 Å⁻¹

8.2 Resolution estimates [i](#)

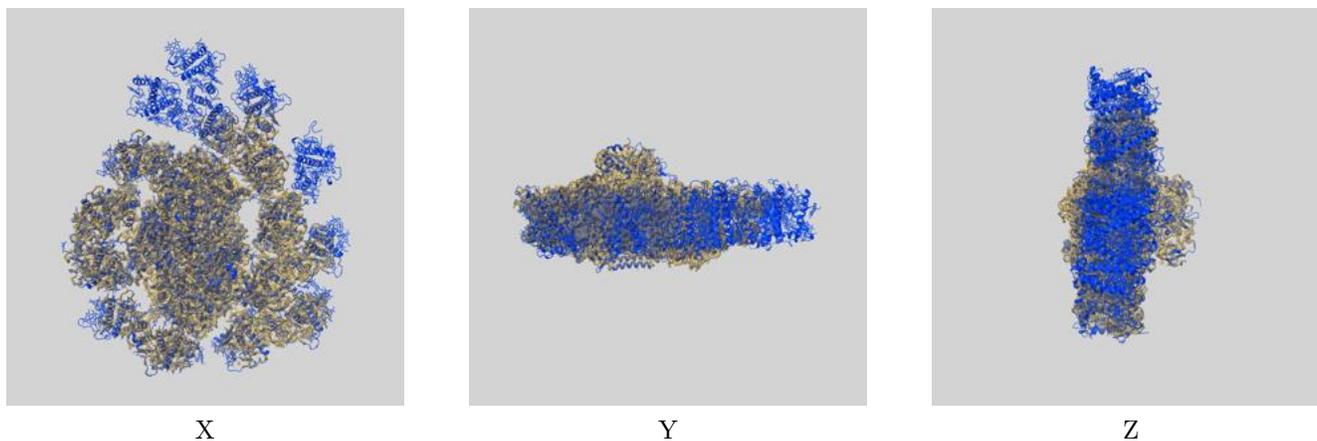
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.23	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	3.23	4.06	3.33

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 3.23 differs from the reported value 2.23 by more than 10 %

9 Map-model fit [i](#)

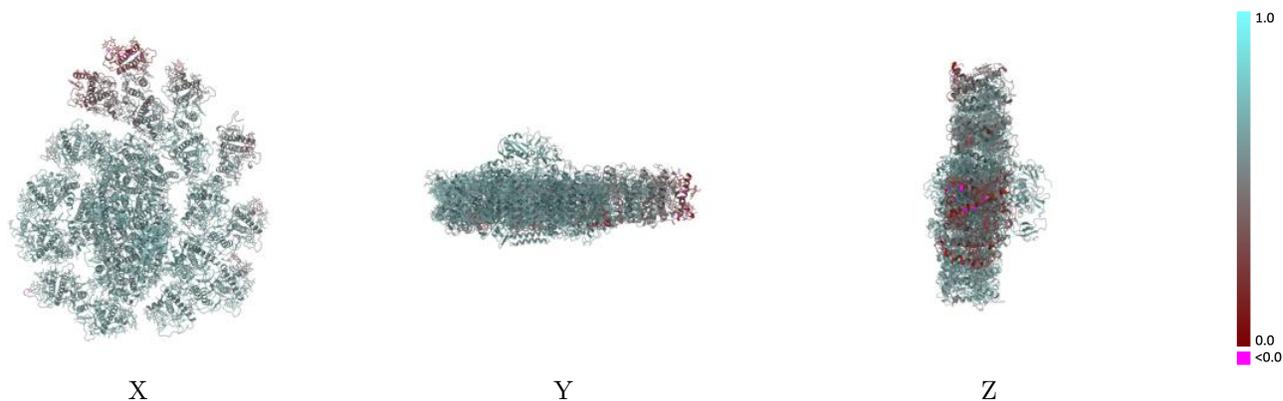
This section contains information regarding the fit between EMDB map EMD-64823 and PDB model 9V7T. Per-residue inclusion information can be found in section 3 on page 38.

9.1 Map-model overlay [i](#)



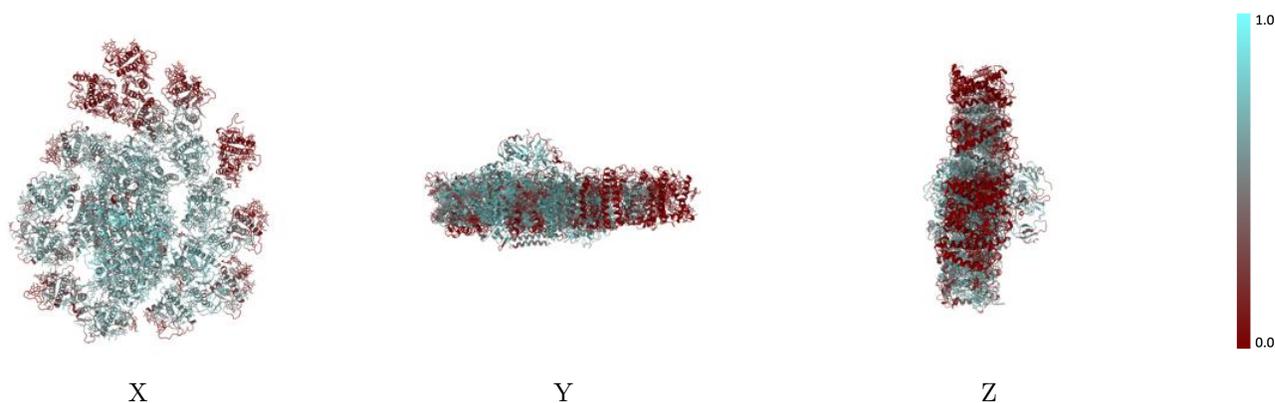
The images above show the 3D surface view of the map at the recommended contour level 0.5 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



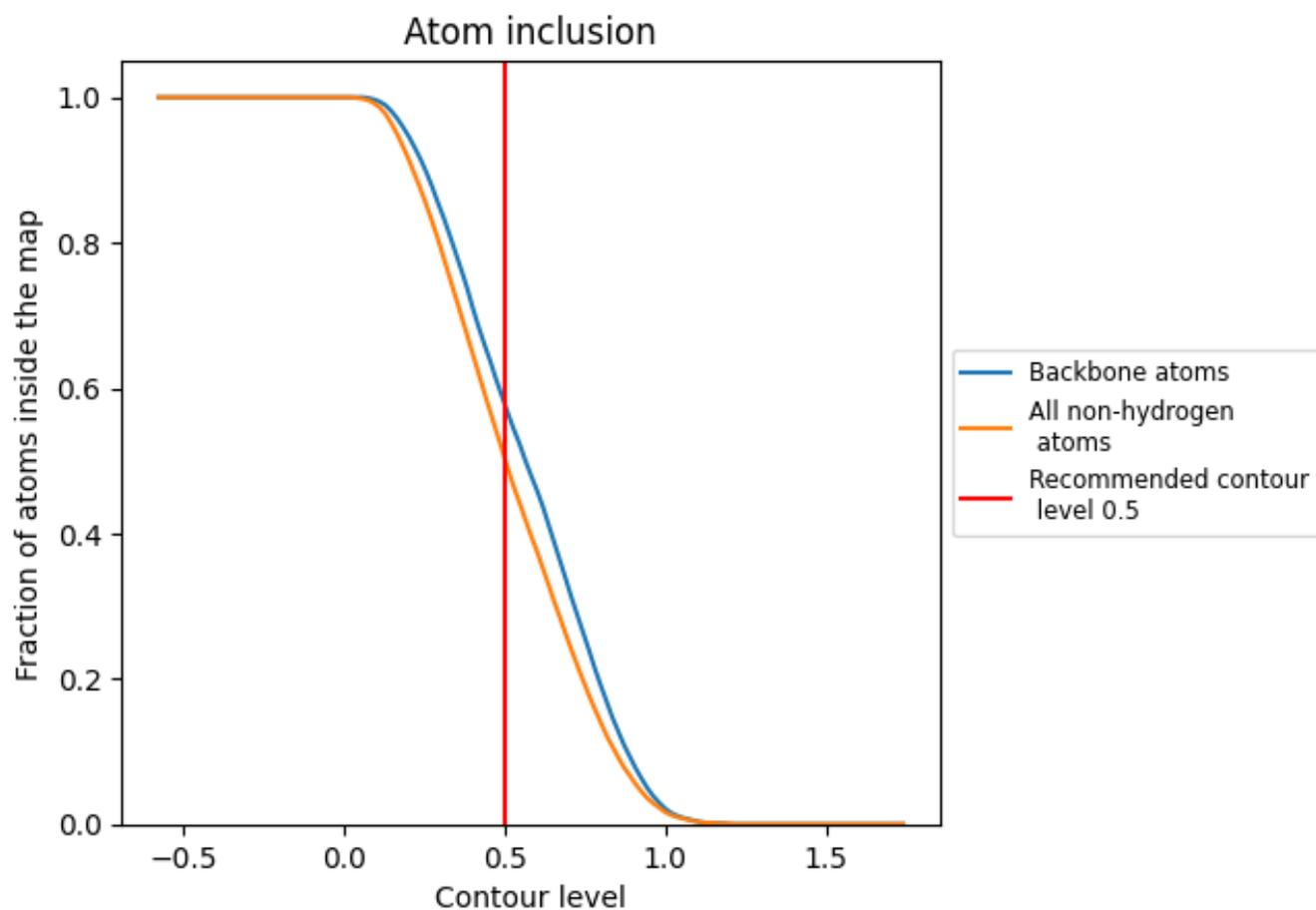
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions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

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



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.5).

9.4 Atom inclusion [i](#)



At the recommended contour level, 58% of all backbone atoms, 50% 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 (0.5) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.5050	 0.6030
A	 0.7370	 0.6620
B	 0.7200	 0.6600
C	 0.7380	 0.6460
D	 0.4870	 0.6250
E	 0.5280	 0.6170
F	 0.5750	 0.6420
J	 0.6550	 0.6550
M	 0.5350	 0.6370
a	 0.5050	 0.6250
b	 0.3480	 0.5970
c	 0.4990	 0.6240
d	 0.5540	 0.6300
e	 0.4480	 0.6170
f	 0.0030	 0.3560
g	 0.2530	 0.5450
h	 0.5780	 0.6320
i	 0.5940	 0.6340
j	 0.6730	 0.6500
k	 0.4950	 0.6240
l	 0.3890	 0.5840
m	 0.2650	 0.5670
n	 0.0050	 0.4830
o	 0.1340	 0.5040
p	 0.0000	 0.2870

