



Full wwPDB EM Validation Report ⓘ

Nov 4, 2024 – 02:59 AM JST

PDB ID : 6KIG
EMDB ID : EMD-9995
Title : Structure of cyanobacterial photosystem I-IsiA supercomplex
Authors : Cao, P.; Cao, D.F.; Si, L.; Su, X.D.; Chang, W.R.; Liu, Z.F.; Zhang, X.Z.; Li, M.
Deposited on : 2019-07-18
Resolution : 2.90 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:

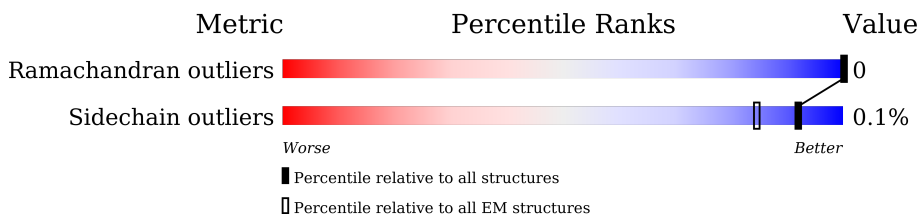
EMDB validation analysis : 0.0.1.dev113
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.39

1 Overall quality at a glance

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

The reported resolution of this entry is 2.90 Å.

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



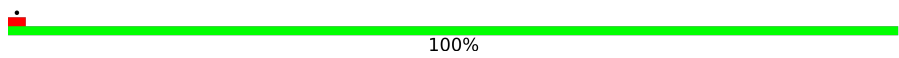
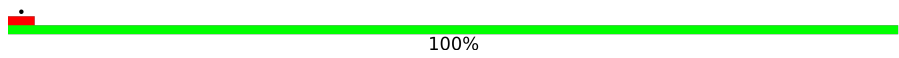

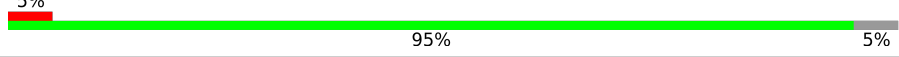
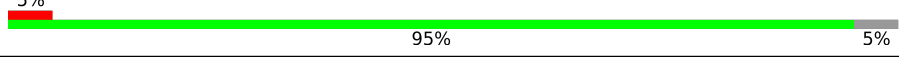
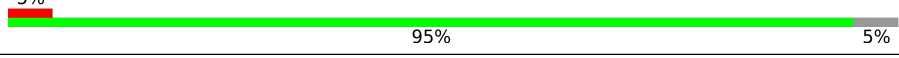

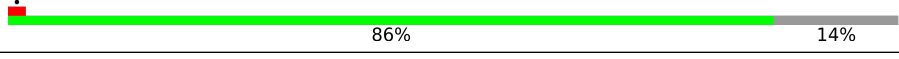
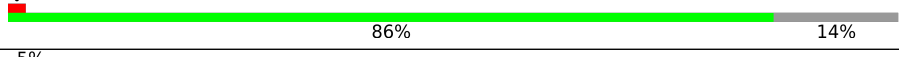
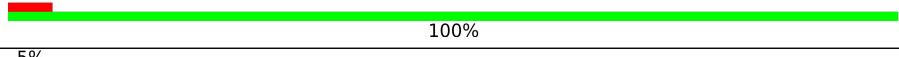
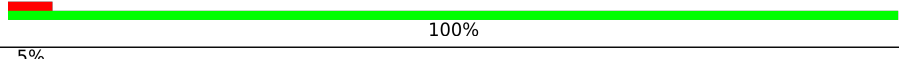
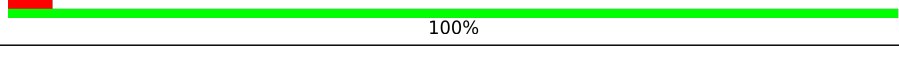
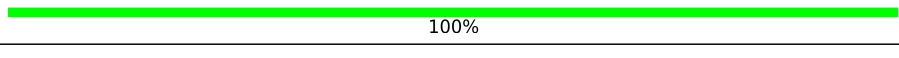
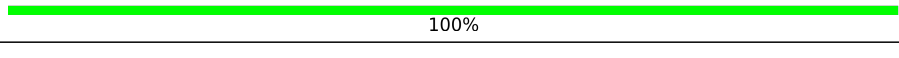
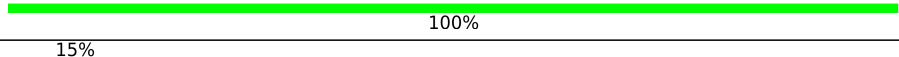
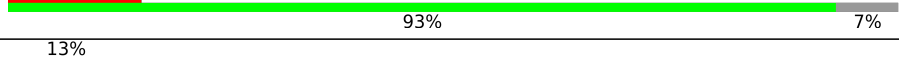
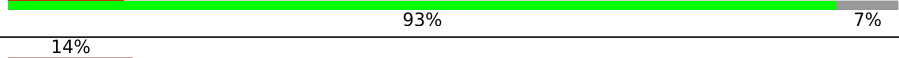
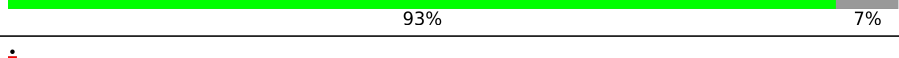
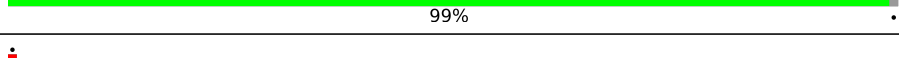
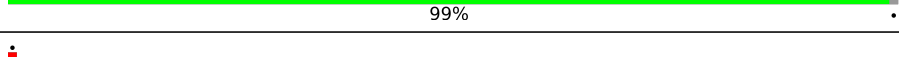
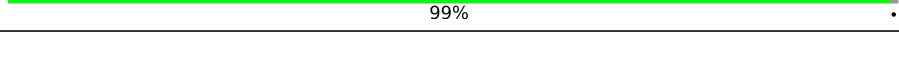
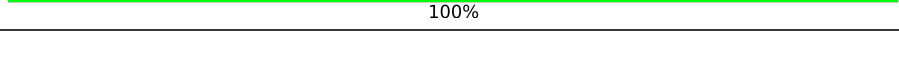
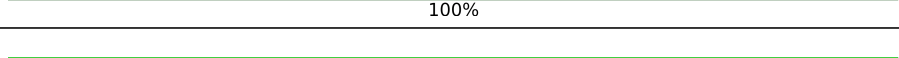
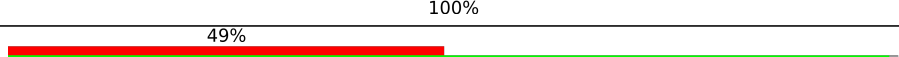
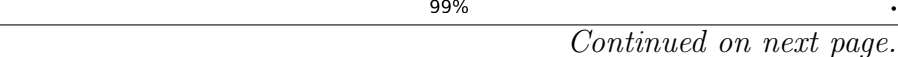
Metric	Whole archive (#Entries)	EM structures (#Entries)
Ramachandran outliers	207382	16835
Sidechain outliers	206894	16415

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 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	763	98%
1	G	763	98%
1	e	763	98%
2	B	734	100%
2	H	734	100%
2	f	734	100%
3	C	81	99%
3	N	81	99%
3	g	81	99%

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Mol	Chain	Length	Quality of chain
4	D	141	 100%
4	O	141	 100%
4	h	141	 100%
5	E	75	 95% 5%
5	Q	75	 95% 5%
5	i	75	 95% 5%
6	F	159	 86% 14%
6	R	159	 86% 14%
6	j	159	 86% 14%
7	I	38	 100%
7	S	38	 100%
7	k	38	 100%
8	J	41	 100%
8	T	41	 100%
8	l	41	 100%
9	K	84	 93% 15% 7%
9	U	84	 93% 13% 7%
9	m	84	 93% 14% 7%
10	L	166	 99%
10	V	166	 99%
10	n	166	 99%
11	M	29	 100%
11	W	29	 100%
11	o	29	 100%
12	1	342	 99% 49%

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Mol	Chain	Length	Quality of chain
12	2	342	40% 99%
12	3	342	59% 99%
12	4	342	94% 99%
12	5	342	98% 99%
12	6	342	91% 99%
12	Y	342	49% 99%
12	Z	342	38% 99%
12	a	342	60% 99%
12	b	342	95% 99%
12	c	342	98% 99%
12	d	342	90% 99%
12	q	342	51% 99%
12	r	342	41% 99%
12	s	342	59% 99%
12	t	342	93% 99%
12	u	342	99% 99%
12	v	342	90% 99%

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	1	501	X	-	-	-
13	CLA	1	502	X	-	-	-
13	CLA	1	503	X	-	-	-
13	CLA	1	504	X	-	-	-
13	CLA	1	505	X	-	-	-
13	CLA	1	506	X	-	-	-
13	CLA	1	507	X	-	-	-
13	CLA	1	508	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	1	509	X	-	-	-
13	CLA	1	510	X	-	-	-
13	CLA	1	511	X	-	-	-
13	CLA	1	512	X	-	-	-
13	CLA	1	513	X	-	-	-
13	CLA	1	516	X	-	-	-
13	CLA	1	517	X	-	-	-
13	CLA	1	518	X	-	-	-
13	CLA	1	519	X	-	-	-
13	CLA	2	501	X	-	-	-
13	CLA	2	502	X	-	-	-
13	CLA	2	503	X	-	-	-
13	CLA	2	504	X	-	-	-
13	CLA	2	505	X	-	-	-
13	CLA	2	506	X	-	-	-
13	CLA	2	507	X	-	-	-
13	CLA	2	508	X	-	-	-
13	CLA	2	509	X	-	-	-
13	CLA	2	510	X	-	-	-
13	CLA	2	511	X	-	-	-
13	CLA	2	512	X	-	-	-
13	CLA	2	513	X	-	-	-
13	CLA	2	516	X	-	-	-
13	CLA	2	517	X	-	-	-
13	CLA	2	518	X	-	-	-
13	CLA	2	519	X	-	-	-
13	CLA	3	501	X	-	-	-
13	CLA	3	502	X	-	-	-
13	CLA	3	503	X	-	-	-
13	CLA	3	504	X	-	-	-
13	CLA	3	505	X	-	-	-
13	CLA	3	506	X	-	-	-
13	CLA	3	507	X	-	-	-
13	CLA	3	508	X	-	-	-
13	CLA	3	509	X	-	-	-
13	CLA	3	510	X	-	-	-
13	CLA	3	511	X	-	-	-
13	CLA	3	512	X	-	-	-
13	CLA	3	513	X	-	-	-
13	CLA	3	516	X	-	-	-
13	CLA	3	517	X	-	-	-
13	CLA	3	518	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	3	519	X	-	-	-
13	CLA	4	501	X	-	-	-
13	CLA	4	502	X	-	-	-
13	CLA	4	503	X	-	-	-
13	CLA	4	504	X	-	-	-
13	CLA	4	505	X	-	-	-
13	CLA	4	506	X	-	-	-
13	CLA	4	507	X	-	-	-
13	CLA	4	508	X	-	-	-
13	CLA	4	509	X	-	-	-
13	CLA	4	510	X	-	-	-
13	CLA	4	511	X	-	-	-
13	CLA	4	512	X	-	-	-
13	CLA	4	513	X	-	-	-
13	CLA	4	516	X	-	-	-
13	CLA	4	517	X	-	-	-
13	CLA	4	518	X	-	-	-
13	CLA	4	519	X	-	-	-
13	CLA	5	501	X	-	-	-
13	CLA	5	502	X	-	-	-
13	CLA	5	503	X	-	-	-
13	CLA	5	504	X	-	-	-
13	CLA	5	505	X	-	-	-
13	CLA	5	506	X	-	-	-
13	CLA	5	507	X	-	-	-
13	CLA	5	508	X	-	-	-
13	CLA	5	509	X	-	-	-
13	CLA	5	510	X	-	-	-
13	CLA	5	511	X	-	-	-
13	CLA	5	512	X	-	-	-
13	CLA	5	513	X	-	-	-
13	CLA	5	516	X	-	-	-
13	CLA	5	517	X	-	-	-
13	CLA	5	518	X	-	-	-
13	CLA	5	519	X	-	-	-
13	CLA	6	501	X	-	-	-
13	CLA	6	502	X	-	-	-
13	CLA	6	503	X	-	-	-
13	CLA	6	504	X	-	-	-
13	CLA	6	505	X	-	-	-
13	CLA	6	506	X	-	-	-
13	CLA	6	507	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	6	508	X	-	-	-
13	CLA	6	509	X	-	-	-
13	CLA	6	510	X	-	-	-
13	CLA	6	511	X	-	-	-
13	CLA	6	512	X	-	-	-
13	CLA	6	513	X	-	-	-
13	CLA	6	516	X	-	-	-
13	CLA	6	517	X	-	-	-
13	CLA	6	518	X	-	-	-
13	CLA	6	519	X	-	-	-
13	CLA	A	1011	X	-	-	-
13	CLA	A	1013	X	-	-	-
13	CLA	A	1022	X	-	-	-
13	CLA	A	1101	X	-	-	-
13	CLA	A	1102	X	-	-	-
13	CLA	A	1103	X	-	-	-
13	CLA	A	1104	X	-	-	-
13	CLA	A	1105	X	-	-	-
13	CLA	A	1106	X	-	-	-
13	CLA	A	1107	X	-	-	-
13	CLA	A	1108	X	-	-	-
13	CLA	A	1109	X	-	-	-
13	CLA	A	1110	X	-	-	-
13	CLA	A	1111	X	-	-	-
13	CLA	A	1112	X	-	-	-
13	CLA	A	1113	X	-	-	-
13	CLA	A	1114	X	-	-	-
13	CLA	A	1115	X	-	-	-
13	CLA	A	1116	X	-	-	-
13	CLA	A	1117	X	-	-	-
13	CLA	A	1118	X	-	-	-
13	CLA	A	1119	X	-	-	-
13	CLA	A	1120	X	-	-	-
13	CLA	A	1121	X	-	-	-
13	CLA	A	1122	X	-	-	-
13	CLA	A	1123	X	-	-	-
13	CLA	A	1124	X	-	-	-
13	CLA	A	1125	X	-	-	-
13	CLA	A	1126	X	-	-	-
13	CLA	A	1127	X	-	-	-
13	CLA	A	1128	X	-	-	-
13	CLA	A	1129	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	A	1130	X	-	-	-
13	CLA	A	1131	X	-	-	-
13	CLA	A	1132	X	-	-	-
13	CLA	A	1133	X	-	-	-
13	CLA	A	1134	X	-	-	-
13	CLA	A	1135	X	-	-	-
13	CLA	A	1136	X	-	-	-
13	CLA	A	1137	X	-	-	-
13	CLA	A	1138	X	-	-	-
13	CLA	A	1139	X	-	-	-
13	CLA	A	1140	X	-	-	-
13	CLA	A	1237	X	-	-	-
13	CLA	A	1801	X	-	-	-
13	CLA	B	1012	X	-	-	-
13	CLA	B	1021	X	-	-	-
13	CLA	B	1023	X	-	-	-
13	CLA	B	1201	X	-	-	-
13	CLA	B	1202	X	-	-	-
13	CLA	B	1203	X	-	-	-
13	CLA	B	1204	X	-	-	-
13	CLA	B	1205	X	-	-	-
13	CLA	B	1206	X	-	-	-
13	CLA	B	1207	X	-	-	-
13	CLA	B	1208	X	-	-	-
13	CLA	B	1209	X	-	-	-
13	CLA	B	1210	X	-	-	-
13	CLA	B	1211	X	-	-	-
13	CLA	B	1212	X	-	-	-
13	CLA	B	1213	X	-	-	-
13	CLA	B	1214	X	-	-	-
13	CLA	B	1215	X	-	-	-
13	CLA	B	1216	X	-	-	-
13	CLA	B	1217	X	-	-	-
13	CLA	B	1218	X	-	-	-
13	CLA	B	1219	X	-	-	-
13	CLA	B	1220	X	-	-	-
13	CLA	B	1221	X	-	-	-
13	CLA	B	1222	X	-	-	-
13	CLA	B	1223	X	-	-	-
13	CLA	B	1224	X	-	-	-
13	CLA	B	1225	X	-	-	-
13	CLA	B	1226	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	B	1227	X	-	-	-
13	CLA	B	1228	X	-	-	-
13	CLA	B	1229	X	-	-	-
13	CLA	B	1230	X	-	-	-
13	CLA	B	1231	X	-	-	-
13	CLA	B	1232	X	-	-	-
13	CLA	B	1234	X	-	-	-
13	CLA	B	1235	X	-	-	-
13	CLA	B	1238	X	-	-	-
13	CLA	B	1239	X	-	-	-
13	CLA	F	1301	X	-	-	-
13	CLA	F	1302	X	-	-	-
13	CLA	G	1011	X	-	-	-
13	CLA	G	1013	X	-	-	-
13	CLA	G	1022	X	-	-	-
13	CLA	G	1101	X	-	-	-
13	CLA	G	1102	X	-	-	-
13	CLA	G	1103	X	-	-	-
13	CLA	G	1104	X	-	-	-
13	CLA	G	1105	X	-	-	-
13	CLA	G	1106	X	-	-	-
13	CLA	G	1107	X	-	-	-
13	CLA	G	1108	X	-	-	-
13	CLA	G	1109	X	-	-	-
13	CLA	G	1110	X	-	-	-
13	CLA	G	1111	X	-	-	-
13	CLA	G	1112	X	-	-	-
13	CLA	G	1113	X	-	-	-
13	CLA	G	1114	X	-	-	-
13	CLA	G	1115	X	-	-	-
13	CLA	G	1116	X	-	-	-
13	CLA	G	1117	X	-	-	-
13	CLA	G	1118	X	-	-	-
13	CLA	G	1119	X	-	-	-
13	CLA	G	1120	X	-	-	-
13	CLA	G	1121	X	-	-	-
13	CLA	G	1122	X	-	-	-
13	CLA	G	1123	X	-	-	-
13	CLA	G	1124	X	-	-	-
13	CLA	G	1125	X	-	-	-
13	CLA	G	1126	X	-	-	-
13	CLA	G	1127	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	G	1128	X	-	-	-
13	CLA	G	1129	X	-	-	-
13	CLA	G	1130	X	-	-	-
13	CLA	G	1131	X	-	-	-
13	CLA	G	1132	X	-	-	-
13	CLA	G	1133	X	-	-	-
13	CLA	G	1134	X	-	-	-
13	CLA	G	1135	X	-	-	-
13	CLA	G	1136	X	-	-	-
13	CLA	G	1137	X	-	-	-
13	CLA	G	1138	X	-	-	-
13	CLA	G	1139	X	-	-	-
13	CLA	G	1140	X	-	-	-
13	CLA	G	1237	X	-	-	-
13	CLA	G	1801	X	-	-	-
13	CLA	H	1012	X	-	-	-
13	CLA	H	1021	X	-	-	-
13	CLA	H	1023	X	-	-	-
13	CLA	H	1201	X	-	-	-
13	CLA	H	1202	X	-	-	-
13	CLA	H	1203	X	-	-	-
13	CLA	H	1204	X	-	-	-
13	CLA	H	1205	X	-	-	-
13	CLA	H	1206	X	-	-	-
13	CLA	H	1207	X	-	-	-
13	CLA	H	1208	X	-	-	-
13	CLA	H	1209	X	-	-	-
13	CLA	H	1210	X	-	-	-
13	CLA	H	1211	X	-	-	-
13	CLA	H	1212	X	-	-	-
13	CLA	H	1213	X	-	-	-
13	CLA	H	1214	X	-	-	-
13	CLA	H	1215	X	-	-	-
13	CLA	H	1216	X	-	-	-
13	CLA	H	1217	X	-	-	-
13	CLA	H	1218	X	-	-	-
13	CLA	H	1219	X	-	-	-
13	CLA	H	1220	X	-	-	-
13	CLA	H	1221	X	-	-	-
13	CLA	H	1222	X	-	-	-
13	CLA	H	1223	X	-	-	-
13	CLA	H	1224	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	H	1225	X	-	-	-
13	CLA	H	1226	X	-	-	-
13	CLA	H	1227	X	-	-	-
13	CLA	H	1228	X	-	-	-
13	CLA	H	1229	X	-	-	-
13	CLA	H	1230	X	-	-	-
13	CLA	H	1231	X	-	-	-
13	CLA	H	1232	X	-	-	-
13	CLA	H	1234	X	-	-	-
13	CLA	H	1235	X	-	-	-
13	CLA	H	1238	X	-	-	-
13	CLA	H	1239	X	-	-	-
13	CLA	J	1302	X	-	-	-
13	CLA	J	1303	X	-	-	-
13	CLA	K	1103	X	-	-	-
13	CLA	K	1105	X	-	-	-
13	CLA	K	1401	X	-	-	-
13	CLA	L	1501	X	-	-	-
13	CLA	L	1502	X	-	-	-
13	CLA	L	1503	X	-	-	-
13	CLA	R	1301	X	-	-	-
13	CLA	R	1302	X	-	-	-
13	CLA	T	1302	X	-	-	-
13	CLA	T	1303	X	-	-	-
13	CLA	U	1103	X	-	-	-
13	CLA	U	1105	X	-	-	-
13	CLA	U	1401	X	-	-	-
13	CLA	V	1501	X	-	-	-
13	CLA	V	1502	X	-	-	-
13	CLA	V	1503	X	-	-	-
13	CLA	Y	501	X	-	-	-
13	CLA	Y	502	X	-	-	-
13	CLA	Y	503	X	-	-	-
13	CLA	Y	504	X	-	-	-
13	CLA	Y	505	X	-	-	-
13	CLA	Y	506	X	-	-	-
13	CLA	Y	507	X	-	-	-
13	CLA	Y	508	X	-	-	-
13	CLA	Y	509	X	-	-	-
13	CLA	Y	510	X	-	-	-
13	CLA	Y	511	X	-	-	-
13	CLA	Y	512	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	Y	513	X	-	-	-
13	CLA	Y	516	X	-	-	-
13	CLA	Y	517	X	-	-	-
13	CLA	Y	518	X	-	-	-
13	CLA	Y	519	X	-	-	-
13	CLA	Z	501	X	-	-	-
13	CLA	Z	502	X	-	-	-
13	CLA	Z	503	X	-	-	-
13	CLA	Z	504	X	-	-	-
13	CLA	Z	505	X	-	-	-
13	CLA	Z	506	X	-	-	-
13	CLA	Z	507	X	-	-	-
13	CLA	Z	508	X	-	-	-
13	CLA	Z	509	X	-	-	-
13	CLA	Z	510	X	-	-	-
13	CLA	Z	511	X	-	-	-
13	CLA	Z	512	X	-	-	-
13	CLA	Z	513	X	-	-	-
13	CLA	Z	516	X	-	-	-
13	CLA	Z	517	X	-	-	-
13	CLA	Z	518	X	-	-	-
13	CLA	Z	519	X	-	-	-
13	CLA	a	501	X	-	-	-
13	CLA	a	502	X	-	-	-
13	CLA	a	503	X	-	-	-
13	CLA	a	504	X	-	-	-
13	CLA	a	505	X	-	-	-
13	CLA	a	506	X	-	-	-
13	CLA	a	507	X	-	-	-
13	CLA	a	508	X	-	-	-
13	CLA	a	509	X	-	-	-
13	CLA	a	510	X	-	-	-
13	CLA	a	511	X	-	-	-
13	CLA	a	512	X	-	-	-
13	CLA	a	513	X	-	-	-
13	CLA	a	516	X	-	-	-
13	CLA	a	517	X	-	-	-
13	CLA	a	518	X	-	-	-
13	CLA	a	519	X	-	-	-
13	CLA	b	501	X	-	-	-
13	CLA	b	502	X	-	-	-
13	CLA	b	503	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	b	504	X	-	-	-
13	CLA	b	505	X	-	-	-
13	CLA	b	506	X	-	-	-
13	CLA	b	507	X	-	-	-
13	CLA	b	508	X	-	-	-
13	CLA	b	509	X	-	-	-
13	CLA	b	510	X	-	-	-
13	CLA	b	511	X	-	-	-
13	CLA	b	512	X	-	-	-
13	CLA	b	513	X	-	-	-
13	CLA	b	516	X	-	-	-
13	CLA	b	517	X	-	-	-
13	CLA	b	518	X	-	-	-
13	CLA	b	519	X	-	-	-
13	CLA	c	501	X	-	-	-
13	CLA	c	502	X	-	-	-
13	CLA	c	503	X	-	-	-
13	CLA	c	504	X	-	-	-
13	CLA	c	505	X	-	-	-
13	CLA	c	506	X	-	-	-
13	CLA	c	507	X	-	-	-
13	CLA	c	508	X	-	-	-
13	CLA	c	509	X	-	-	-
13	CLA	c	510	X	-	-	-
13	CLA	c	511	X	-	-	-
13	CLA	c	512	X	-	-	-
13	CLA	c	513	X	-	-	-
13	CLA	c	516	X	-	-	-
13	CLA	c	517	X	-	-	-
13	CLA	c	518	X	-	-	-
13	CLA	c	519	X	-	-	-
13	CLA	d	501	X	-	-	-
13	CLA	d	502	X	-	-	-
13	CLA	d	503	X	-	-	-
13	CLA	d	504	X	-	-	-
13	CLA	d	505	X	-	-	-
13	CLA	d	506	X	-	-	-
13	CLA	d	507	X	-	-	-
13	CLA	d	508	X	-	-	-
13	CLA	d	509	X	-	-	-
13	CLA	d	510	X	-	-	-
13	CLA	d	511	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	d	512	X	-	-	-
13	CLA	d	513	X	-	-	-
13	CLA	d	516	X	-	-	-
13	CLA	d	517	X	-	-	-
13	CLA	d	518	X	-	-	-
13	CLA	d	519	X	-	-	-
13	CLA	e	1011	X	-	-	-
13	CLA	e	1013	X	-	-	-
13	CLA	e	1022	X	-	-	-
13	CLA	e	1101	X	-	-	-
13	CLA	e	1102	X	-	-	-
13	CLA	e	1103	X	-	-	-
13	CLA	e	1104	X	-	-	-
13	CLA	e	1105	X	-	-	-
13	CLA	e	1106	X	-	-	-
13	CLA	e	1107	X	-	-	-
13	CLA	e	1108	X	-	-	-
13	CLA	e	1109	X	-	-	-
13	CLA	e	1110	X	-	-	-
13	CLA	e	1111	X	-	-	-
13	CLA	e	1112	X	-	-	-
13	CLA	e	1113	X	-	-	-
13	CLA	e	1114	X	-	-	-
13	CLA	e	1115	X	-	-	-
13	CLA	e	1116	X	-	-	-
13	CLA	e	1117	X	-	-	-
13	CLA	e	1118	X	-	-	-
13	CLA	e	1119	X	-	-	-
13	CLA	e	1120	X	-	-	-
13	CLA	e	1121	X	-	-	-
13	CLA	e	1122	X	-	-	-
13	CLA	e	1123	X	-	-	-
13	CLA	e	1124	X	-	-	-
13	CLA	e	1125	X	-	-	-
13	CLA	e	1126	X	-	-	-
13	CLA	e	1127	X	-	-	-
13	CLA	e	1128	X	-	-	-
13	CLA	e	1129	X	-	-	-
13	CLA	e	1130	X	-	-	-
13	CLA	e	1131	X	-	-	-
13	CLA	e	1132	X	-	-	-
13	CLA	e	1133	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	e	1134	X	-	-	-
13	CLA	e	1135	X	-	-	-
13	CLA	e	1136	X	-	-	-
13	CLA	e	1137	X	-	-	-
13	CLA	e	1138	X	-	-	-
13	CLA	e	1139	X	-	-	-
13	CLA	e	1140	X	-	-	-
13	CLA	e	1237	X	-	-	-
13	CLA	e	1801	X	-	-	-
13	CLA	f	1012	X	-	-	-
13	CLA	f	1021	X	-	-	-
13	CLA	f	1023	X	-	-	-
13	CLA	f	1201	X	-	-	-
13	CLA	f	1202	X	-	-	-
13	CLA	f	1203	X	-	-	-
13	CLA	f	1204	X	-	-	-
13	CLA	f	1205	X	-	-	-
13	CLA	f	1206	X	-	-	-
13	CLA	f	1207	X	-	-	-
13	CLA	f	1208	X	-	-	-
13	CLA	f	1209	X	-	-	-
13	CLA	f	1210	X	-	-	-
13	CLA	f	1211	X	-	-	-
13	CLA	f	1212	X	-	-	-
13	CLA	f	1213	X	-	-	-
13	CLA	f	1214	X	-	-	-
13	CLA	f	1215	X	-	-	-
13	CLA	f	1216	X	-	-	-
13	CLA	f	1217	X	-	-	-
13	CLA	f	1218	X	-	-	-
13	CLA	f	1219	X	-	-	-
13	CLA	f	1220	X	-	-	-
13	CLA	f	1221	X	-	-	-
13	CLA	f	1222	X	-	-	-
13	CLA	f	1223	X	-	-	-
13	CLA	f	1224	X	-	-	-
13	CLA	f	1225	X	-	-	-
13	CLA	f	1226	X	-	-	-
13	CLA	f	1227	X	-	-	-
13	CLA	f	1228	X	-	-	-
13	CLA	f	1229	X	-	-	-
13	CLA	f	1230	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	f	1231	X	-	-	-
13	CLA	f	1232	X	-	-	-
13	CLA	f	1234	X	-	-	-
13	CLA	f	1235	X	-	-	-
13	CLA	f	1238	X	-	-	-
13	CLA	f	1239	X	-	-	-
13	CLA	j	1301	X	-	-	-
13	CLA	j	1302	X	-	-	-
13	CLA	l	1302	X	-	-	-
13	CLA	l	1303	X	-	-	-
13	CLA	m	1103	X	-	-	-
13	CLA	m	1105	X	-	-	-
13	CLA	m	1401	X	-	-	-
13	CLA	n	1501	X	-	-	-
13	CLA	n	1502	X	-	-	-
13	CLA	n	1503	X	-	-	-
13	CLA	q	501	X	-	-	-
13	CLA	q	502	X	-	-	-
13	CLA	q	503	X	-	-	-
13	CLA	q	504	X	-	-	-
13	CLA	q	505	X	-	-	-
13	CLA	q	506	X	-	-	-
13	CLA	q	507	X	-	-	-
13	CLA	q	508	X	-	-	-
13	CLA	q	509	X	-	-	-
13	CLA	q	510	X	-	-	-
13	CLA	q	511	X	-	-	-
13	CLA	q	512	X	-	-	-
13	CLA	q	513	X	-	-	-
13	CLA	q	516	X	-	-	-
13	CLA	q	517	X	-	-	-
13	CLA	q	518	X	-	-	-
13	CLA	q	519	X	-	-	-
13	CLA	r	501	X	-	-	-
13	CLA	r	502	X	-	-	-
13	CLA	r	503	X	-	-	-
13	CLA	r	504	X	-	-	-
13	CLA	r	505	X	-	-	-
13	CLA	r	506	X	-	-	-
13	CLA	r	507	X	-	-	-
13	CLA	r	508	X	-	-	-
13	CLA	r	509	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	r	510	X	-	-	-
13	CLA	r	511	X	-	-	-
13	CLA	r	512	X	-	-	-
13	CLA	r	513	X	-	-	-
13	CLA	r	516	X	-	-	-
13	CLA	r	517	X	-	-	-
13	CLA	r	518	X	-	-	-
13	CLA	r	519	X	-	-	-
13	CLA	s	501	X	-	-	-
13	CLA	s	502	X	-	-	-
13	CLA	s	503	X	-	-	-
13	CLA	s	504	X	-	-	-
13	CLA	s	505	X	-	-	-
13	CLA	s	506	X	-	-	-
13	CLA	s	507	X	-	-	-
13	CLA	s	508	X	-	-	-
13	CLA	s	509	X	-	-	-
13	CLA	s	510	X	-	-	-
13	CLA	s	511	X	-	-	-
13	CLA	s	512	X	-	-	-
13	CLA	s	513	X	-	-	-
13	CLA	s	516	X	-	-	-
13	CLA	s	517	X	-	-	-
13	CLA	s	518	X	-	-	-
13	CLA	s	519	X	-	-	-
13	CLA	t	501	X	-	-	-
13	CLA	t	502	X	-	-	-
13	CLA	t	503	X	-	-	-
13	CLA	t	504	X	-	-	-
13	CLA	t	505	X	-	-	-
13	CLA	t	506	X	-	-	-
13	CLA	t	507	X	-	-	-
13	CLA	t	508	X	-	-	-
13	CLA	t	509	X	-	-	-
13	CLA	t	510	X	-	-	-
13	CLA	t	511	X	-	-	-
13	CLA	t	512	X	-	-	-
13	CLA	t	513	X	-	-	-
13	CLA	t	516	X	-	-	-
13	CLA	t	517	X	-	-	-
13	CLA	t	518	X	-	-	-
13	CLA	t	519	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	u	501	X	-	-	-
13	CLA	u	502	X	-	-	-
13	CLA	u	503	X	-	-	-
13	CLA	u	504	X	-	-	-
13	CLA	u	505	X	-	-	-
13	CLA	u	506	X	-	-	-
13	CLA	u	507	X	-	-	-
13	CLA	u	508	X	-	-	-
13	CLA	u	509	X	-	-	-
13	CLA	u	510	X	-	-	-
13	CLA	u	511	X	-	-	-
13	CLA	u	512	X	-	-	-
13	CLA	u	513	X	-	-	-
13	CLA	u	516	X	-	-	-
13	CLA	u	517	X	-	-	-
13	CLA	u	518	X	-	-	-
13	CLA	u	519	X	-	-	-
13	CLA	v	501	X	-	-	-
13	CLA	v	502	X	-	-	-
13	CLA	v	503	X	-	-	-
13	CLA	v	504	X	-	-	-
13	CLA	v	505	X	-	-	-
13	CLA	v	506	X	-	-	-
13	CLA	v	507	X	-	-	-
13	CLA	v	508	X	-	-	-
13	CLA	v	509	X	-	-	-
13	CLA	v	510	X	-	-	-
13	CLA	v	511	X	-	-	-
13	CLA	v	512	X	-	-	-
13	CLA	v	513	X	-	-	-
13	CLA	v	516	X	-	-	-
13	CLA	v	517	X	-	-	-
13	CLA	v	518	X	-	-	-
13	CLA	v	519	X	-	-	-

2 Entry composition i

There are 21 unique types of molecules in this entry. The entry contains 143022 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	751	Total	C	N	O	S	0	0
			5865	3847	1002	999	17		
1	G	751	Total	C	N	O	S	0	0
			5865	3847	1002	999	17		
1	e	751	Total	C	N	O	S	0	0
			5865	3847	1002	999	17		

- 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	733	Total	C	N	O	S	0	0
			5789	3811	970	994	14		
2	H	733	Total	C	N	O	S	0	0
			5789	3811	970	994	14		
2	f	733	Total	C	N	O	S	0	0
			5789	3811	970	994	14		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	C	80	Total	C	N	O	S	0	0
			598	368	103	116	11		
3	N	80	Total	C	N	O	S	0	0
			598	368	103	116	11		
3	g	80	Total	C	N	O	S	0	0
			598	368	103	116	11		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	D	141	Total	C	N	O	S	0	0
			1098	702	187	208	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	O	141	Total	C	N	O	S	0	0
			1098	702	187	208	1		
4	h	141	Total	C	N	O	S	0	0
			1098	702	187	208	1		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
5	E	71	Total	C	N	O	0	0	
			543	343	95	105			
5	Q	71	Total	C	N	O	0	0	
			543	343	95	105			
5	i	71	Total	C	N	O	0	0	
			543	343	95	105			

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

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	136	Total	C	N	O	S	0	0
			1036	670	174	190	2		
6	R	136	Total	C	N	O	S	0	0
			1036	670	174	190	2		
6	j	136	Total	C	N	O	S	0	0
			1036	670	174	190	2		

- Molecule 7 is a protein called Photosystem I PsaI protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	38	Total	C	N	O	S	0	0
			282	191	38	51	2		
7	S	38	Total	C	N	O	S	0	0
			282	191	38	51	2		
7	k	38	Total	C	N	O	S	0	0
			282	191	38	51	2		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
8	J	41	Total	C	N	O	S	0	0
			335	228	52	54	1		
8	T	41	Total	C	N	O	S	0	0
			335	228	52	54	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	l	41	Total	C	N	O	S	0	0
			335	228	52	54	1		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
9	K	78	Total	C	N	O	S	0	0
			549	364	91	93	1		
9	U	78	Total	C	N	O	S	0	0
			549	364	91	93	1		
9	m	78	Total	C	N	O	S	0	0
			549	364	91	93	1		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
10	L	164	Total	C	N	O	S	0	0
			1210	782	201	225	2		
10	V	164	Total	C	N	O	S	0	0
			1210	782	201	225	2		
10	n	164	Total	C	N	O	S	0	0
			1210	782	201	225	2		

- Molecule 11 is a protein called Psam.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	M	29	Total	C	N	O	S	0	0
			228	151	36	40	1		
11	W	29	Total	C	N	O	S	0	0
			228	151	36	40	1		
11	o	29	Total	C	N	O	S	0	0
			228	151	36	40	1		

- Molecule 12 is a protein called Iron stress-induced chlorophyll-binding protein.

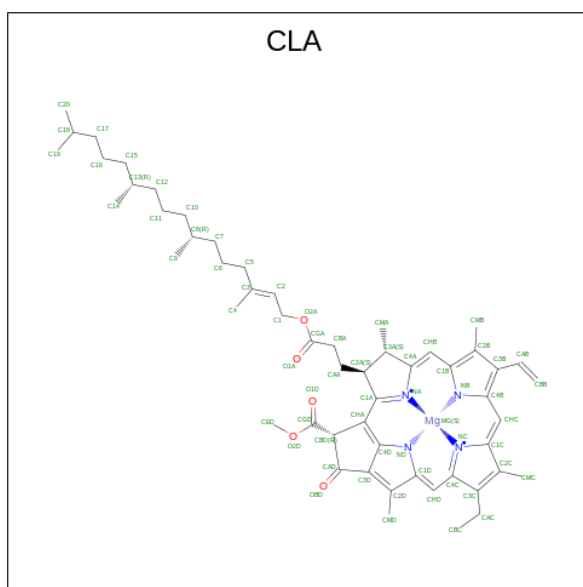
Mol	Chain	Residues	Atoms					AltConf	Trace
12	1	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
12	2	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
12	3	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
12	4	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	5	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	6	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	Y	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	Z	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	a	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	b	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	c	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	d	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	q	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	r	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	s	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	t	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	u	339	Total 2605	C 1722	N 428	O 448	S 7	0	0
12	v	339	Total 2605	C 1722	N 428	O 448	S 7	0	0

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



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

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	A	1	50	40	1	4	5	0
13	A	1	60	50	1	4	5	0
13	A	1	60	50	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	60	50	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	53	43	1	4	5	0
13	A	1	55	45	1	4	5	0
13	A	1	60	50	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	56	46	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	51	41	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	56	46	1	4	5	0
13	A	1	52	42	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	A	1	60	50	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	45	35	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	A	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	60	50	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	52	42	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	B	1	65	55	1	4	5	0
13	B	1	56	46	1	4	5	0
13	B	1	55	45	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	60	50	1	4	5	0
13	B	1	57	47	1	4	5	0
13	B	1	60	50	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	55	45	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	60	50	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	60	50	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	55	45	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	B	1	50	40	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	55	45	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	65	55	1	4	5	0
13	B	1	60	50	1	4	5	0
13	F	1	65	55	1	4	5	0
13	F	1	45	35	1	4	5	0
13	J	1	58	48	1	4	5	0
13	J	1	65	55	1	4	5	0
13	K	1	55	45	1	4	5	0
13	K	1	50	40	1	4	5	0
13	K	1	45	35	1	4	5	0
13	L	1	65	55	1	4	5	0
13	L	1	65	55	1	4	5	0
13	L	1	60	50	1	4	5	0
13	1	1	65	55	1	4	5	0
13	1	1	60	50	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	1	1	64	54	1	4	5	0
13	1	1	45	35	1	4	5	0
13	1	1	65	55	1	4	5	0
13	1	1	45	35	1	4	5	0
13	1	1	60	50	1	4	5	0
13	1	1	55	45	1	4	5	0
13	1	1	65	55	1	4	5	0
13	1	1	65	55	1	4	5	0
13	1	1	55	45	1	4	5	0
13	1	1	52	42	1	4	5	0
13	1	1	55	45	1	4	5	0
13	1	1	45	35	1	4	5	0
13	1	1	45	35	1	4	5	0
13	1	1	60	50	1	4	5	0
13	1	1	50	40	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	60	50	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	50	40	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	55	45	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	2	1	65	55	1	4	5	0
13	2	1	55	45	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	55	45	1	4	5	0
13	2	1	53	43	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	45	35	1	4	5	0
13	2	1	45	35	1	4	5	0
13	2	1	65	55	1	4	5	0
13	2	1	55	45	1	4	5	0
13	3	1	65	55	1	4	5	0
13	3	1	50	40	1	4	5	0
13	3	1	65	55	1	4	5	0
13	3	1	45	35	1	4	5	0
13	3	1	65	55	1	4	5	0
13	3	1	50	40	1	4	5	0
13	3	1	65	55	1	4	5	0
13	3	1	55	45	1	4	5	0
13	3	1	65	55	1	4	5	0
13	3	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	3	1	50	40	1	4	5	0
13	3	1	45	35	1	4	5	0
13	3	1	65	55	1	4	5	0
13	3	1	45	35	1	4	5	0
13	3	1	45	35	1	4	5	0
13	3	1	55	45	1	4	5	0
13	3	1	55	45	1	4	5	0
13	4	1	60	50	1	4	5	0
13	4	1	50	40	1	4	5	0
13	4	1	55	45	1	4	5	0
13	4	1	45	35	1	4	5	0
13	4	1	65	55	1	4	5	0
13	4	1	45	35	1	4	5	0
13	4	1	45	35	1	4	5	0
13	4	1	65	55	1	4	5	0
13	4	1	50	40	1	4	5	0
13	4	1	45	35	1	4	5	0
13	4	1	45	35	1	4	5	0
13	4	1	45	35	1	4	5	0
13	4	1	45	35	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	4	1	45	35	1	4	5	0
13	4	1	55	45	1	4	5	0
13	4	1	55	45	1	4	5	0
13	5	1	65	55	1	4	5	0
13	5	1	50	40	1	4	5	0
13	5	1	55	45	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	61	51	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	65	55	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	55	45	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	45	35	1	4	5	0
13	5	1	55	45	1	4	5	0
13	5	1	46	36	1	4	5	0
13	6	1	60	50	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	6	1	50	40	1	4	5	0
13	6	1	52	42	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	65	55	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	45	35	1	4	5	0
13	6	1	55	45	1	4	5	0
13	6	1	46	36	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	G	1	55	45	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	54	44	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	51	41	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	50	40	1	4	5	0
13	G	1	45	35	1	4	5	0
13	G	1	50	40	1	4	5	0
13	G	1	60	50	1	4	5	0
13	G	1	60	50	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	60	50	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	53	43	1	4	5	0
13	G	1	55	45	1	4	5	0
13	G	1	60	50	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	56	46	1	4	5	0
13	G	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	51	41	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	56	46	1	4	5	0
13	G	1	52	42	1	4	5	0
13	G	1	60	50	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	45	35	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	G	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	H	1	65	55	1	4	5	0
13	H	1	60	50	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	52	42	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	56	46	1	4	5	0
13	H	1	55	45	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	60	50	1	4	5	0
13	H	1	57	47	1	4	5	0
13	H	1	60	50	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	55	45	1	4	5	0
13	H	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	H	1	60	50	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	60	50	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	55	45	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	50	40	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	55	45	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	65	55	1	4	5	0
13	H	1	60	50	1	4	5	0
13	R	1	65	55	1	4	5	0
13	R	1	45	35	1	4	5	0
13	T	1	58	48	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	T	1	65	55	1	4	5	0
13	U	1	55	45	1	4	5	0
13	U	1	50	40	1	4	5	0
13	U	1	45	35	1	4	5	0
13	V	1	65	55	1	4	5	0
13	V	1	65	55	1	4	5	0
13	V	1	60	50	1	4	5	0
13	Y	1	65	55	1	4	5	0
13	Y	1	60	50	1	4	5	0
13	Y	1	64	54	1	4	5	0
13	Y	1	45	35	1	4	5	0
13	Y	1	65	55	1	4	5	0
13	Y	1	45	35	1	4	5	0
13	Y	1	60	50	1	4	5	0
13	Y	1	55	45	1	4	5	0
13	Y	1	65	55	1	4	5	0
13	Y	1	65	55	1	4	5	0
13	Y	1	55	45	1	4	5	0
13	Y	1	52	42	1	4	5	0
13	Y	1	55	45	1	4	5	0
13	Y	1	45	35	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	Y	1	45	35	1	4	5	0
13	Y	1	60	50	1	4	5	0
13	Y	1	50	40	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	60	50	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	50	40	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	55	45	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	55	45	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	55	45	1	4	5	0
13	Z	1	53	43	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	45	35	1	4	5	0
13	Z	1	45	35	1	4	5	0
13	Z	1	65	55	1	4	5	0
13	Z	1	55	45	1	4	5	0
13	a	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
13	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
13	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	b	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	
13	b	1	45	35	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	65	55	1	4	5	0
13	b	1	50	40	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	45	35	1	4	5	0
13	b	1	55	45	1	4	5	0
13	b	1	55	45	1	4	5	0
13	c	1	65	55	1	4	5	0
13	c	1	50	40	1	4	5	0
13	c	1	55	45	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	61	51	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	c	1	45	35	1	4	5	0
13	c	1	55	45	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	45	35	1	4	5	0
13	c	1	55	45	1	4	5	0
13	c	1	46	36	1	4	5	0
13	d	1	60	50	1	4	5	0
13	d	1	50	40	1	4	5	0
13	d	1	52	42	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	65	55	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	d	1	45	35	1	4	5	0
13	d	1	45	35	1	4	5	0
13	d	1	55	45	1	4	5	0
13	d	1	46	36	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	55	45	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	54	44	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	51	41	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	50	40	1	4	5	0
13	e	1	45	35	1	4	5	0
13	e	1	50	40	1	4	5	0
13	e	1	60	50	1	4	5	0
13	e	1	60	50	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	e	1	65	55	1	4	5	0
13	e	1	60	50	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	53	43	1	4	5	0
13	e	1	55	45	1	4	5	0
13	e	1	60	50	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	56	46	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	51	41	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	56	46	1	4	5	0
13	e	1	52	42	1	4	5	0
13	e	1	60	50	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	45	35	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	e	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	60	50	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	52	42	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	56	46	1	4	5	0
13	f	1	55	45	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	60	50	1	4	5	0
13	f	1	57	47	1	4	5	0
13	f	1	60	50	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	55	45	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	60	50	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	60	50	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	55	45	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	50	40	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	f	1	55	45	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	65	55	1	4	5	0
13	f	1	60	50	1	4	5	0
13	j	1	65	55	1	4	5	0
13	j	1	45	35	1	4	5	0
13	l	1	58	48	1	4	5	0
13	l	1	65	55	1	4	5	0
13	m	1	55	45	1	4	5	0
13	m	1	50	40	1	4	5	0
13	m	1	45	35	1	4	5	0
13	n	1	65	55	1	4	5	0
13	n	1	65	55	1	4	5	0
13	n	1	60	50	1	4	5	0
13	q	1	65	55	1	4	5	0
13	q	1	60	50	1	4	5	0
13	q	1	64	54	1	4	5	0
13	q	1	45	35	1	4	5	0
13	q	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	q	1	45	35	1	4	5	0
13	q	1	60	50	1	4	5	0
13	q	1	55	45	1	4	5	0
13	q	1	65	55	1	4	5	0
13	q	1	65	55	1	4	5	0
13	q	1	55	45	1	4	5	0
13	q	1	52	42	1	4	5	0
13	q	1	55	45	1	4	5	0
13	q	1	45	35	1	4	5	0
13	q	1	45	35	1	4	5	0
13	q	1	60	50	1	4	5	0
13	q	1	50	40	1	4	5	0
13	r	1	65	55	1	4	5	0
13	r	1	60	50	1	4	5	0
13	r	1	65	55	1	4	5	0
13	r	1	50	40	1	4	5	0
13	r	1	65	55	1	4	5	0
13	r	1	55	45	1	4	5	0
13	r	1	65	55	1	4	5	0
13	r	1	55	45	1	4	5	0
13	r	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	r	1	65	55	1	4	5	0
13	r	1	55	45	1	4	5	0
13	r	1	53	43	1	4	5	0
13	r	1	65	55	1	4	5	0
13	r	1	45	35	1	4	5	0
13	r	1	45	35	1	4	5	0
13	r	1	65	55	1	4	5	0
13	r	1	55	45	1	4	5	0
13	s	1	65	55	1	4	5	0
13	s	1	50	40	1	4	5	0
13	s	1	65	55	1	4	5	0
13	s	1	45	35	1	4	5	0
13	s	1	65	55	1	4	5	0
13	s	1	50	40	1	4	5	0
13	s	1	65	55	1	4	5	0
13	s	1	55	45	1	4	5	0
13	s	1	65	55	1	4	5	0
13	s	1	65	55	1	4	5	0
13	s	1	50	40	1	4	5	0
13	s	1	45	35	1	4	5	0
13	s	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	s	1	45	35	1	4	5	0
13	s	1	45	35	1	4	5	0
13	s	1	55	45	1	4	5	0
13	s	1	55	45	1	4	5	0
13	t	1	60	50	1	4	5	0
13	t	1	50	40	1	4	5	0
13	t	1	55	45	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	65	55	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	65	55	1	4	5	0
13	t	1	50	40	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	45	35	1	4	5	0
13	t	1	55	45	1	4	5	0
13	t	1	55	45	1	4	5	0

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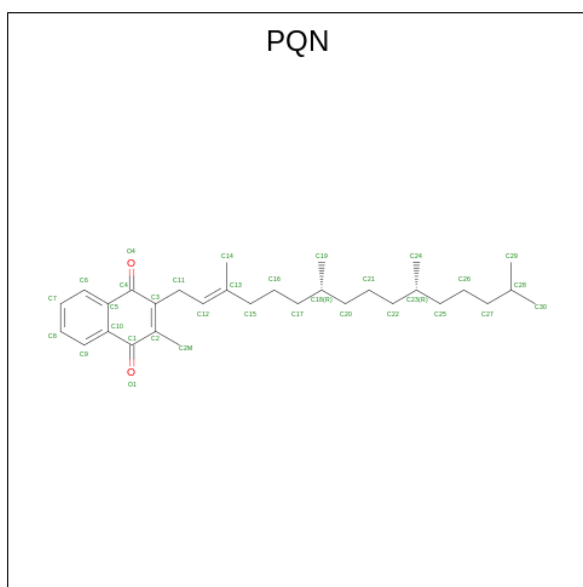
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
13	u	1	65	55	1	4	5	0
13	u	1	50	40	1	4	5	0
13	u	1	55	45	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	61	51	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	65	55	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	55	45	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	45	35	1	4	5	0
13	u	1	55	45	1	4	5	0
13	u	1	46	36	1	4	5	0
13	v	1	60	50	1	4	5	0
13	v	1	50	40	1	4	5	0
13	v	1	52	42	1	4	5	0
13	v	1	45	35	1	4	5	0

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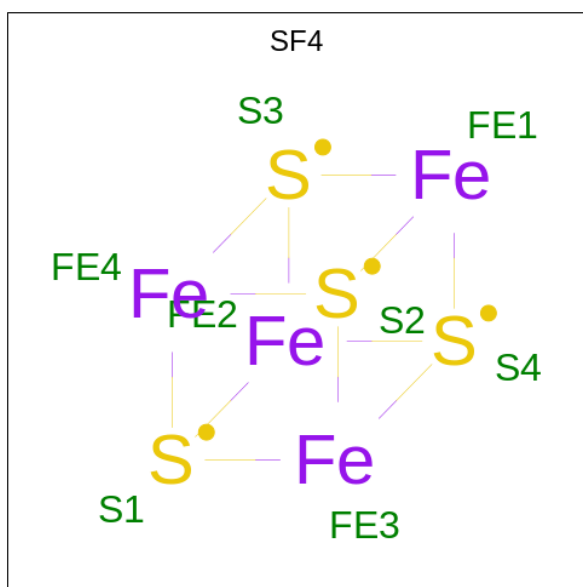
Mol	Chain	Residues	Atoms					AltConf
13	v	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	v	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

- Molecule 14 is PHYLLOQUINONE (three-letter code: PQN) (formula: $C_{31}H_{46}O_2$).



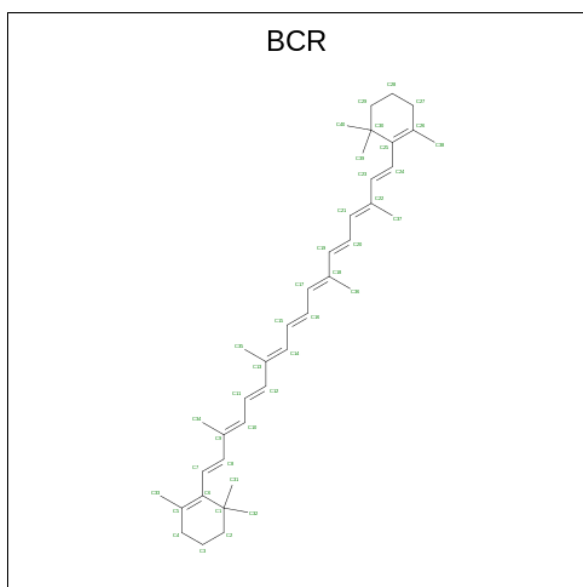
Mol	Chain	Residues	Atoms			AltConf
14	A	1	Total	C	O	0
			33	31	2	
14	B	1	Total	C	O	0
			33	31	2	
14	G	1	Total	C	O	0
			33	31	2	
14	H	1	Total	C	O	0
			33	31	2	
14	e	1	Total	C	O	0
			33	31	2	
14	f	1	Total	C	O	0
			33	31	2	

- Molecule 15 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			AltConf
			Total	Fe	S	
15	A	1	8	4	4	0
15	C	1	8	4	4	0
15	C	1	8	4	4	0
15	G	1	8	4	4	0
15	N	1	8	4	4	0
15	N	1	8	4	4	0
15	e	1	8	4	4	0
15	g	1	8	4	4	0
15	g	1	8	4	4	0

- Molecule 16 is BETA-CAROTENE (three-letter code: BCR) (formula: C₄₀H₅₆).



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

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Mol	Chain	Residues	Atoms	AltConf
16	I	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	J	1	Total C 40 40	0
16	K	1	Total C 40 40	0
16	L	1	Total C 40 40	0
16	L	1	Total C 40 40	0
16	L	1	Total C 40 40	0
16	L	1	Total C 40 40	0
16	M	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	1	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	2	1	Total C 40 40	0
16	3	1	Total C 40 40	0
16	3	1	Total C 40 40	0
16	3	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	3	1	Total C 40 40	0
16	4	1	Total C 40 40	0
16	4	1	Total C 40 40	0
16	4	1	Total C 40 40	0
16	4	1	Total C 40 40	0
16	5	1	Total C 40 40	0
16	5	1	Total C 40 40	0
16	5	1	Total C 40 40	0
16	5	1	Total C 40 40	0
16	6	1	Total C 40 40	0
16	6	1	Total C 40 40	0
16	6	1	Total C 40 40	0
16	6	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	G	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	H	1	Total C 40 40	0
16	R	1	Total C 40 40	0
16	S	1	Total C 40 40	0
16	T	1	Total C 40 40	0
16	T	1	Total C 40 40	0
16	T	1	Total C 40 40	0
16	U	1	Total C 40 40	0
16	V	1	Total C 40 40	0
16	V	1	Total C 40 40	0
16	V	1	Total C 40 40	0
16	V	1	Total C 40 40	0
16	W	1	Total C 40 40	0
16	Y	1	Total C 40 40	0
16	Y	1	Total C 40 40	0
16	Y	1	Total C 40 40	0
16	Y	1	Total C 40 40	0
16	Z	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	Z	1	Total C 40 40	0
16	Z	1	Total C 40 40	0
16	Z	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	a	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	b	1	Total C 40 40	0
16	c	1	Total C 40 40	0
16	c	1	Total C 40 40	0
16	c	1	Total C 40 40	0
16	c	1	Total C 40 40	0
16	d	1	Total C 40 40	0
16	d	1	Total C 40 40	0
16	d	1	Total C 40 40	0
16	d	1	Total C 40 40	0
16	e	1	Total C 40 40	0
16	e	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	e	1	Total C 40 40	0
16	e	1	Total C 40 40	0
16	e	1	Total C 40 40	0
16	e	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	f	1	Total C 40 40	0
16	j	1	Total C 40 40	0
16	k	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	l	1	Total C 40 40	0
16	m	1	Total C 40 40	0
16	n	1	Total C 40 40	0
16	n	1	Total C 40 40	0
16	n	1	Total C 40 40	0
16	n	1	Total C 40 40	0

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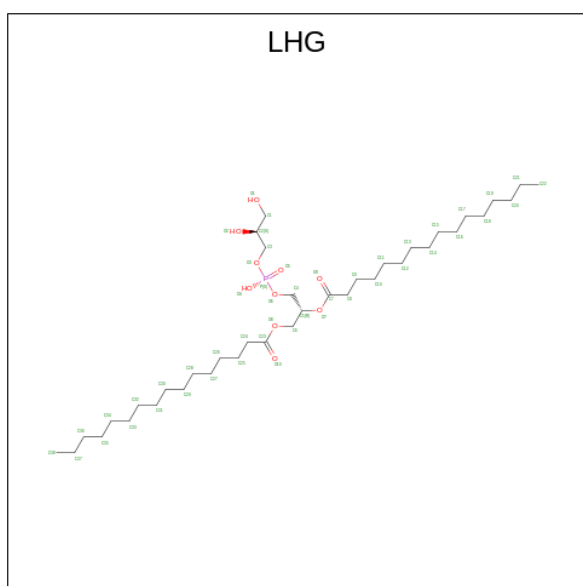
Mol	Chain	Residues	Atoms	AltConf
16	o	1	Total C 40 40	0
16	q	1	Total C 40 40	0
16	q	1	Total C 40 40	0
16	q	1	Total C 40 40	0
16	q	1	Total C 40 40	0
16	r	1	Total C 40 40	0
16	r	1	Total C 40 40	0
16	r	1	Total C 40 40	0
16	r	1	Total C 40 40	0
16	s	1	Total C 40 40	0
16	s	1	Total C 40 40	0
16	s	1	Total C 40 40	0
16	s	1	Total C 40 40	0
16	t	1	Total C 40 40	0
16	t	1	Total C 40 40	0
16	t	1	Total C 40 40	0
16	t	1	Total C 40 40	0
16	u	1	Total C 40 40	0
16	u	1	Total C 40 40	0
16	u	1	Total C 40 40	0
16	u	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
16	v	1	Total C 40 40	0
16	v	1	Total C 40 40	0
16	v	1	Total C 40 40	0
16	v	1	Total C 40 40	0

- Molecule 17 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{75}O_{10}P$).



Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total C O P 39 28 10 1	0
17	A	1	Total C O P 36 25 10 1	0
17	A	1	Total C O P 45 34 10 1	0
17	A	1	Total C O P 45 34 10 1	0
17	A	1	Total C O P 47 36 10 1	0
17	A	1	Total C O P 35 24 10 1	0
17	A	1	Total C O P 49 38 10 1	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
17	A	1	49	38	10	1	0
17	A	1	41	30	10	1	0
17	B	1	39	28	10	1	0
17	B	1	44	33	10	1	0
17	I	1	44	33	10	1	0
17	L	1	38	27	10	1	0
17	L	1	41	30	10	1	0
17	L	1	49	38	10	1	0
17	G	1	39	28	10	1	0
17	G	1	36	25	10	1	0
17	G	1	45	34	10	1	0
17	G	1	45	34	10	1	0
17	G	1	47	36	10	1	0
17	G	1	35	24	10	1	0
17	G	1	49	38	10	1	0
17	G	1	49	38	10	1	0
17	G	1	41	30	10	1	0
17	H	1	39	28	10	1	0
17	H	1	44	33	10	1	0
17	S	1	44	33	10	1	0
17	V	1	38	27	10	1	0

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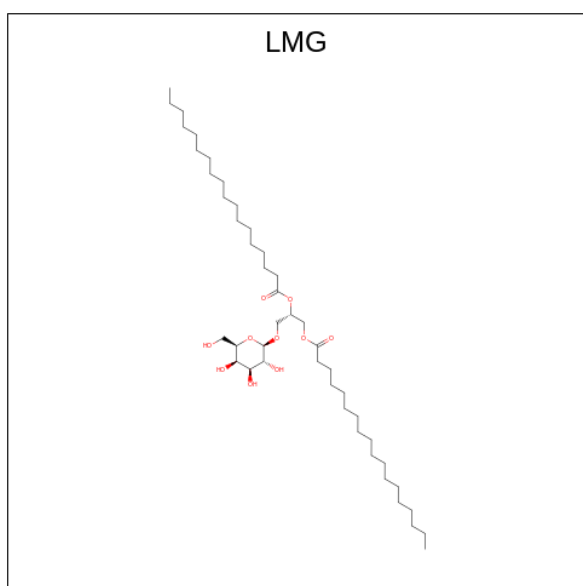
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
17	V	1	41	30	10	1	0
17	V	1	49	38	10	1	0
17	e	1	39	28	10	1	0
17	e	1	36	25	10	1	0
17	e	1	45	34	10	1	0
17	e	1	45	34	10	1	0
17	e	1	47	36	10	1	0
17	e	1	35	24	10	1	0
17	e	1	49	38	10	1	0
17	e	1	49	38	10	1	0
17	e	1	41	30	10	1	0
17	f	1	39	28	10	1	0
17	f	1	44	33	10	1	0
17	k	1	44	33	10	1	0
17	n	1	38	27	10	1	0
17	n	1	41	30	10	1	0
17	n	1	49	38	10	1	0

- Molecule 18 is DODECYL-ALPHA-D-MALTOSIDE (three-letter code: LMU) (formula: $C_{24}H_{46}O_{11}$).

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Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
18	f	1	35	24	11	0
18	l	1	22	16	6	0
18	q	1	19	13	6	0
18	r	1	23	17	6	0

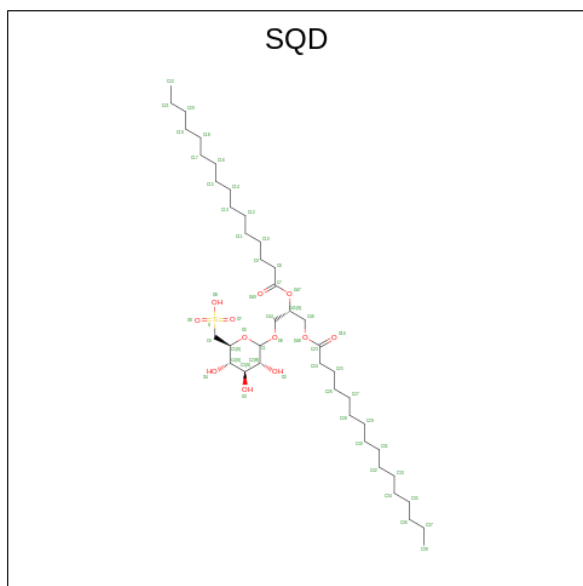
- Molecule 19 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula: C₄₅H₈₆O₁₀).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
19	B	1	54	44	10	0
19	J	1	35	25	10	0
19	H	1	54	44	10	0
19	T	1	35	25	10	0
19	f	1	54	44	10	0
19	l	1	35	25	10	0

- Molecule 20 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSY

L]-SN-GLYCEROL (three-letter code: SQD) (formula: C₄₁H₇₈O₁₂S).



Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	S	
20	B	1	Total 45	C 32	O 12	S 1	0
20	L	1	Total 51	C 38	O 12	S 1	0
20	1	1	Total 48	C 35	O 12	S 1	0
20	2	1	Total 43	C 30	O 12	S 1	0
20	3	1	Total 43	C 30	O 12	S 1	0
20	4	1	Total 26	C 13	O 12	S 1	0
20	5	1	Total 29	C 16	O 12	S 1	0
20	6	1	Total 26	C 13	O 12	S 1	0
20	H	1	Total 45	C 32	O 12	S 1	0
20	V	1	Total 51	C 38	O 12	S 1	0
20	Y	1	Total 48	C 35	O 12	S 1	0
20	Z	1	Total 43	C 30	O 12	S 1	0
20	a	1	Total 43	C 30	O 12	S 1	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	S	
20	b	1	Total 26	C 13	O 12	S 1	0
20	c	1	Total 29	C 16	O 12	S 1	0
20	d	1	Total 26	C 13	O 12	S 1	0
20	f	1	Total 45	C 32	O 12	S 1	0
20	n	1	Total 51	C 38	O 12	S 1	0
20	q	1	Total 48	C 35	O 12	S 1	0
20	r	1	Total 43	C 30	O 12	S 1	0
20	s	1	Total 43	C 30	O 12	S 1	0
20	t	1	Total 26	C 13	O 12	S 1	0
20	u	1	Total 29	C 16	O 12	S 1	0
20	v	1	Total 26	C 13	O 12	S 1	0

- Molecule 21 is water.

Mol	Chain	Residues	Atoms		AltConf
21	A	9	Total 9	O 9	0
21	B	7	Total 7	O 7	0
21	F	1	Total 1	O 1	0
21	L	1	Total 1	O 1	0
21	G	9	Total 9	O 9	0
21	H	7	Total 7	O 7	0
21	R	1	Total 1	O 1	0
21	V	1	Total 1	O 1	0

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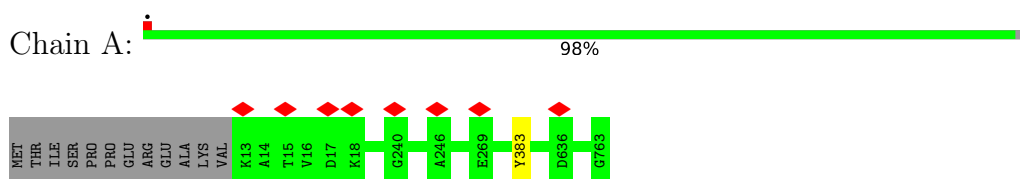
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Mol	Chain	Residues	Atoms		AltConf
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21	f	7	Total 7	O 7	0
21	j	1	Total 1	O 1	0
21	n	1	Total 1	O 1	0

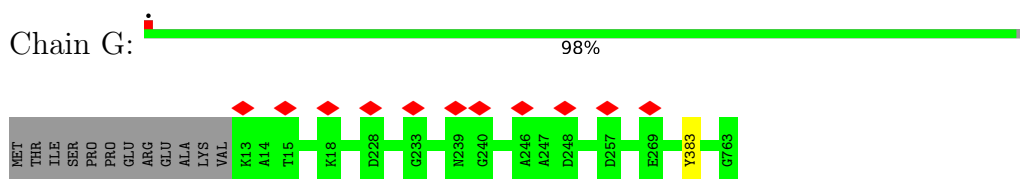
3 Residue-property plots [i](#)

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

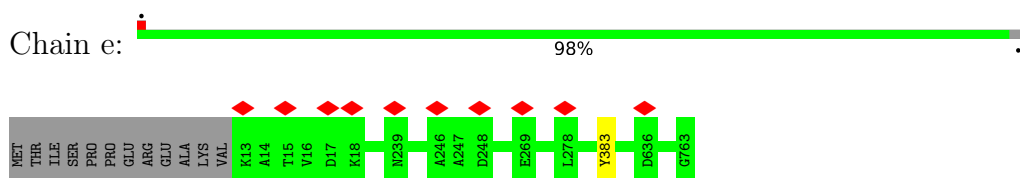
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



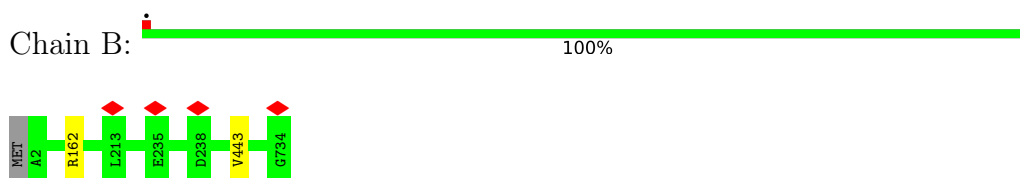
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



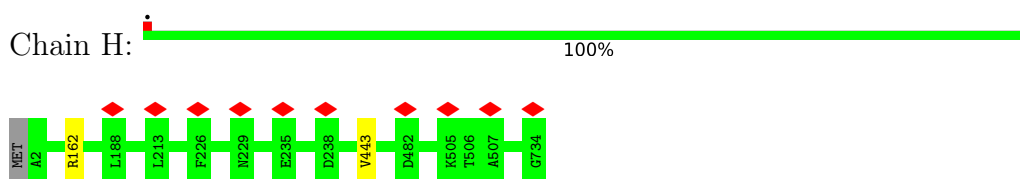
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

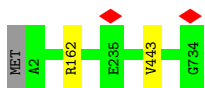


- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain f:  100%



- Molecule 3: Photosystem I iron-sulfur center

Chain C:  99%



- Molecule 3: Photosystem I iron-sulfur center

Chain N:  99%



- Molecule 3: Photosystem I iron-sulfur center

Chain g:  99%



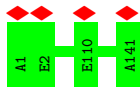
- Molecule 4: Photosystem I reaction center subunit II

Chain D:  100%



- Molecule 4: Photosystem I reaction center subunit II

Chain O:  100%

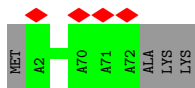
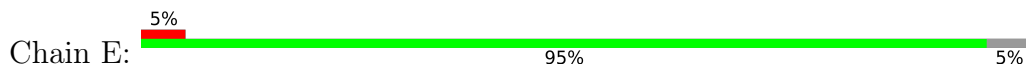


- Molecule 4: Photosystem I reaction center subunit II

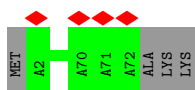
Chain h:  100%



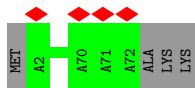
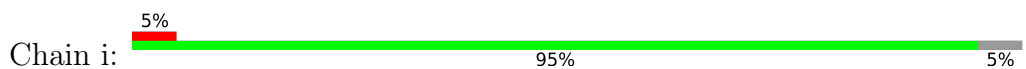
- Molecule 5: Photosystem I reaction center subunit IV



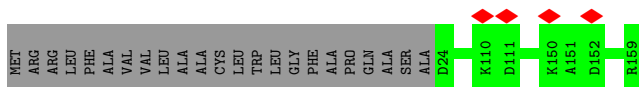
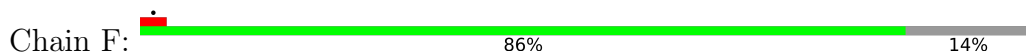
- Molecule 5: Photosystem I reaction center subunit IV



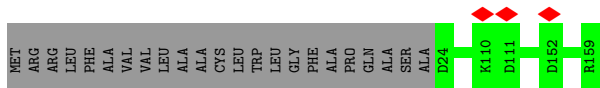
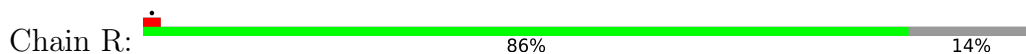
- Molecule 5: Photosystem I reaction center subunit IV



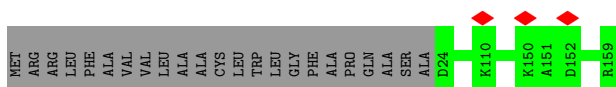
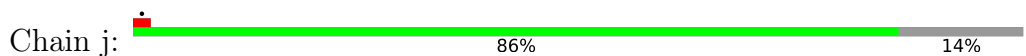
- Molecule 6: Photosystem I reaction center subunit III



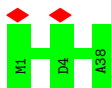
- Molecule 6: Photosystem I reaction center subunit III



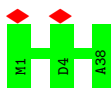
- Molecule 6: Photosystem I reaction center subunit III



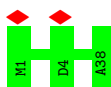
- Molecule 7: Photosystem I PsaI protein



- Molecule 7: Photosystem I PsaI protein



- Molecule 7: Photosystem I PsaI protein



- Molecule 8: Photosystem I reaction center subunit IX



There are no outlier residues recorded for this chain.

- Molecule 8: Photosystem I reaction center subunit IX



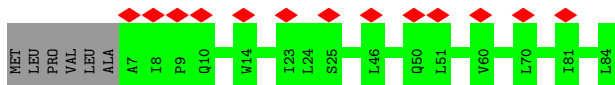
There are no outlier residues recorded for this chain.

- Molecule 8: Photosystem I reaction center subunit IX



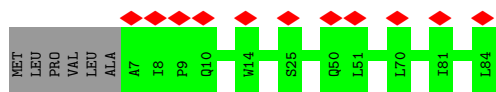
There are no outlier residues recorded for this chain.

- Molecule 9: Photosystem I reaction center subunit PsaK

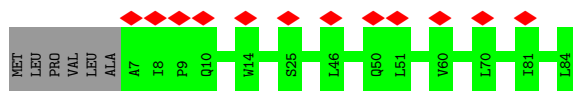


- Molecule 9: Photosystem I reaction center subunit PsaK

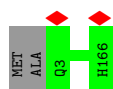




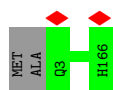
- Molecule 9: Photosystem I reaction center subunit PsaK



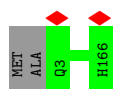
- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 11: PsaM



There are no outlier residues recorded for this chain.

- Molecule 11: PsaM



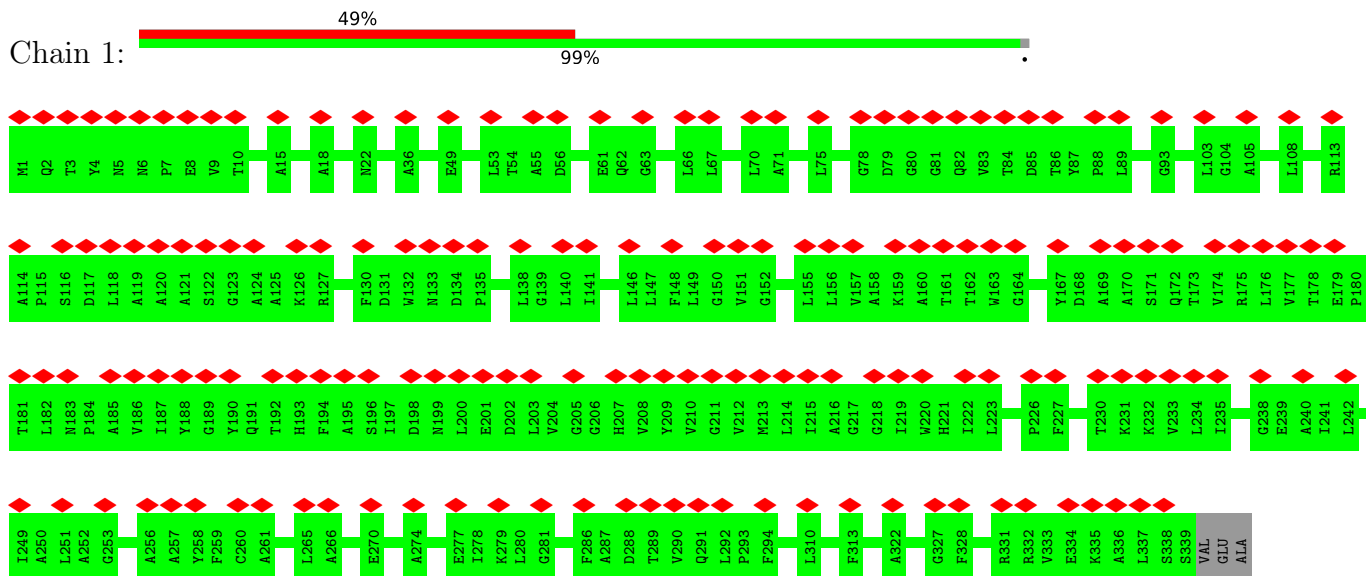
There are no outlier residues recorded for this chain.

- Molecule 11: PsaM

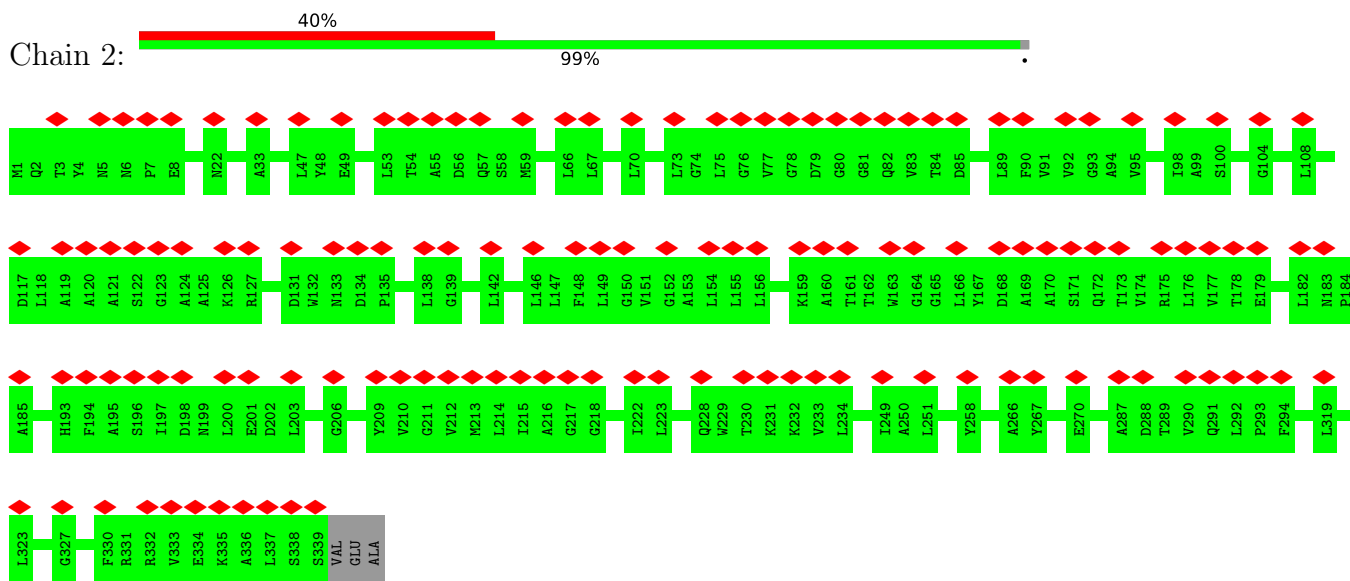


There are no outlier residues recorded for this chain.

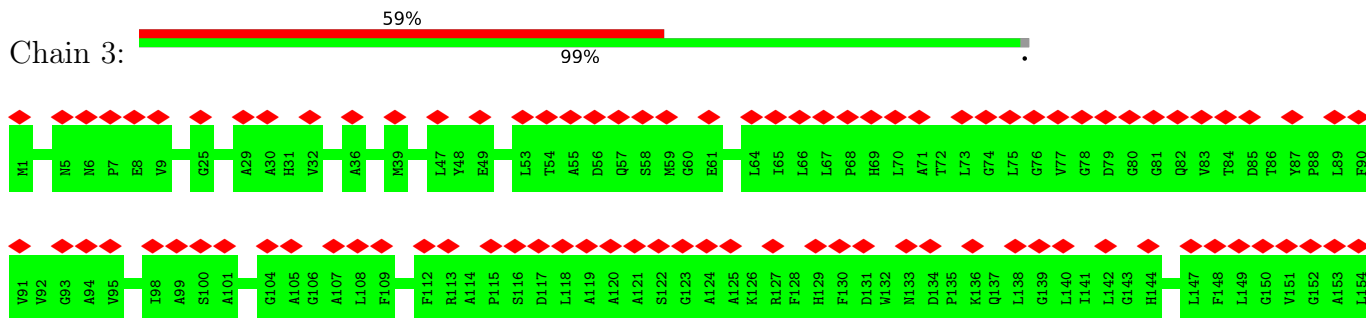
• Molecule 12: Iron stress-induced chlorophyll-binding protein

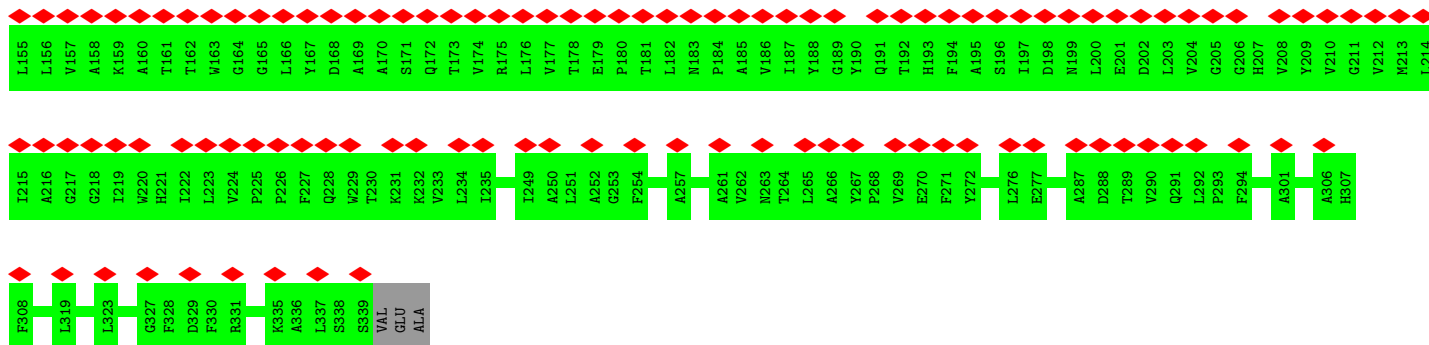


• Molecule 12: Iron stress-induced chlorophyll-binding protein



• Molecule 12: Iron stress-induced chlorophyll-binding protein

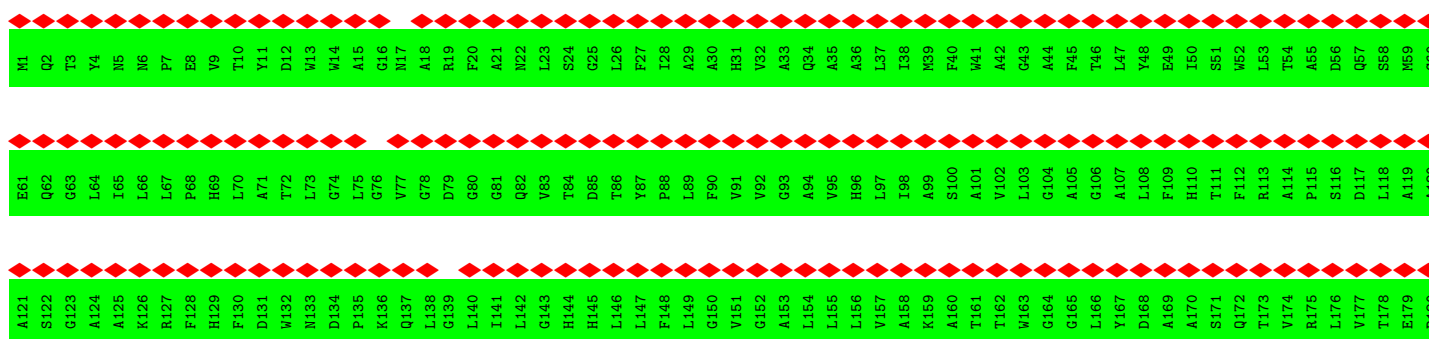


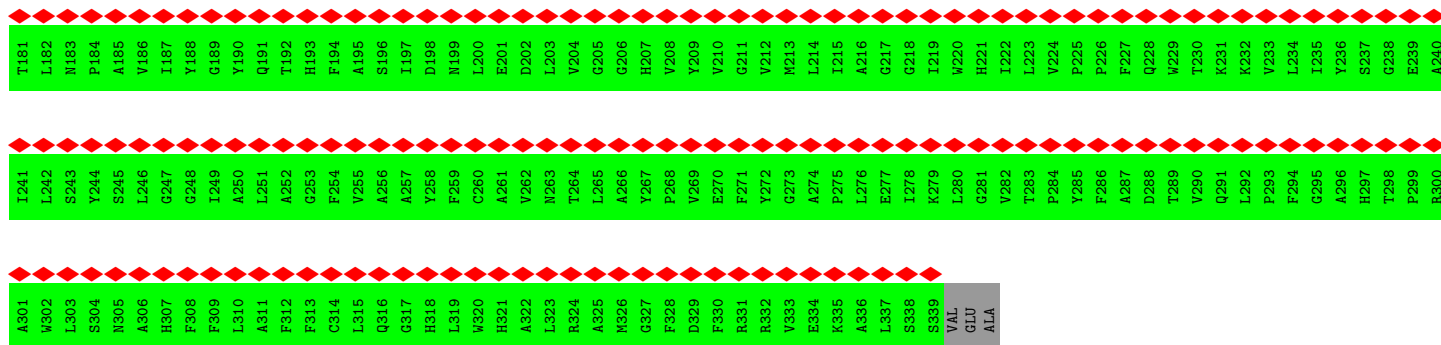


• Molecule 12: Iron stress-induced chlorophyll-binding protein

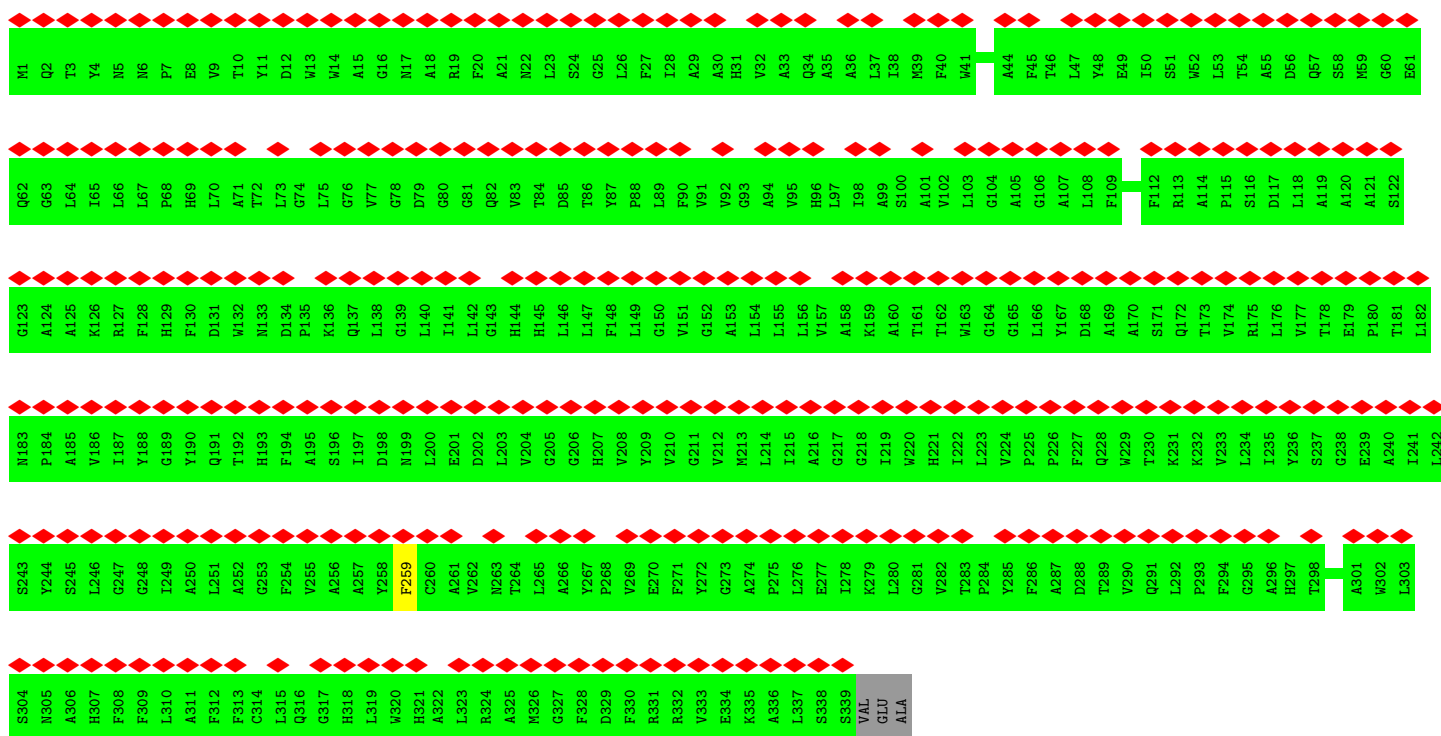


• Molecule 12: Iron stress-induced chlorophyll-binding protein

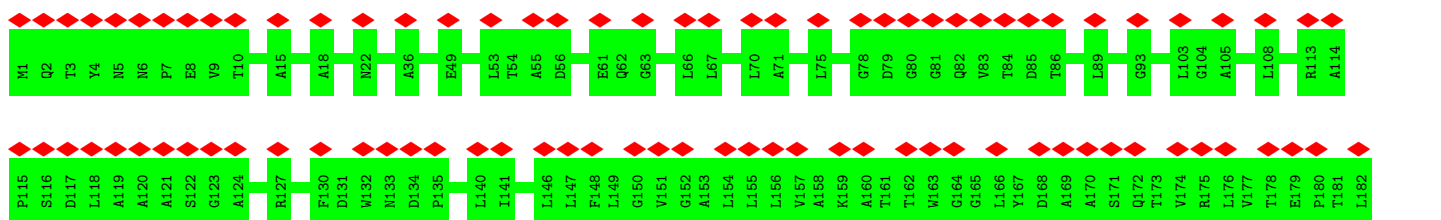


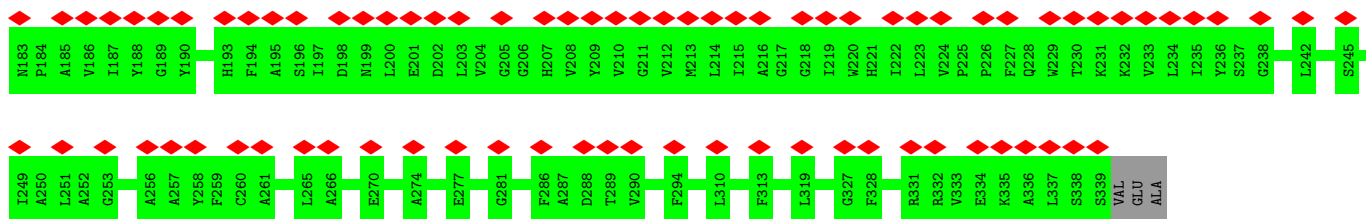


• Molecule 12: Iron stress-induced chlorophyll-binding protein

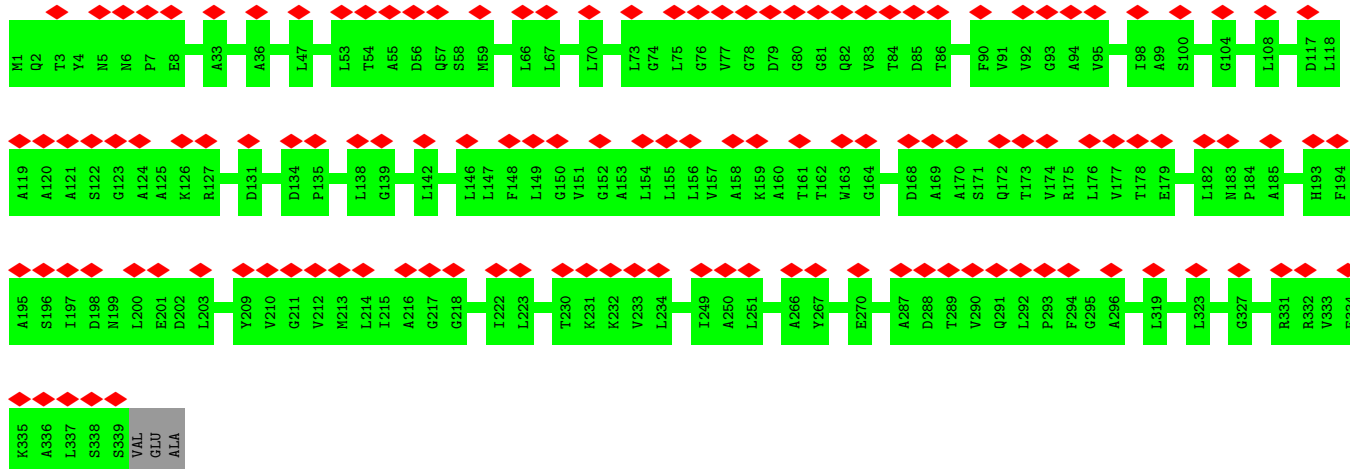


• Molecule 12: Iron stress-induced chlorophyll-binding protein





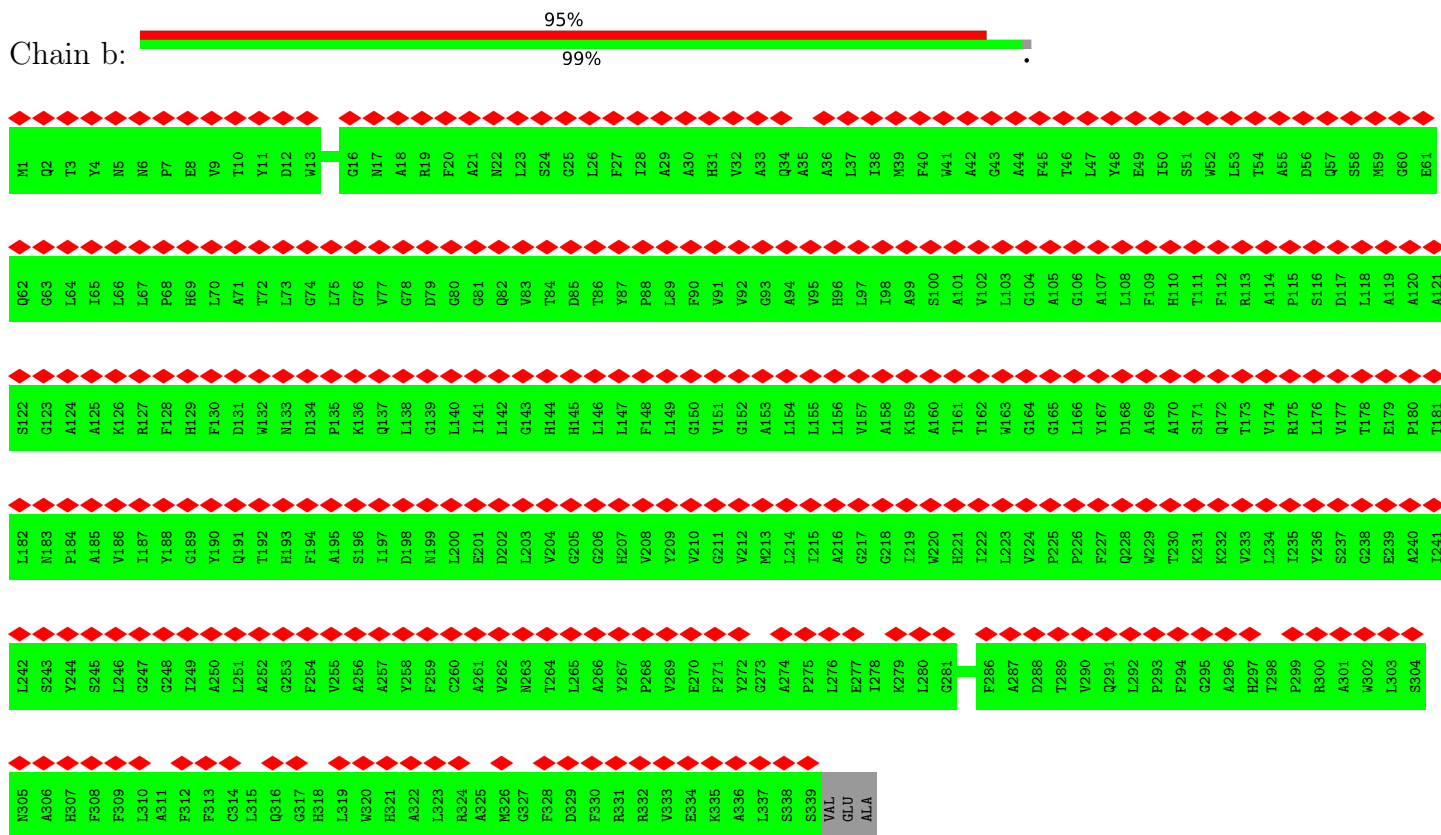
• Molecule 12: Iron stress-induced chlorophyll-binding protein



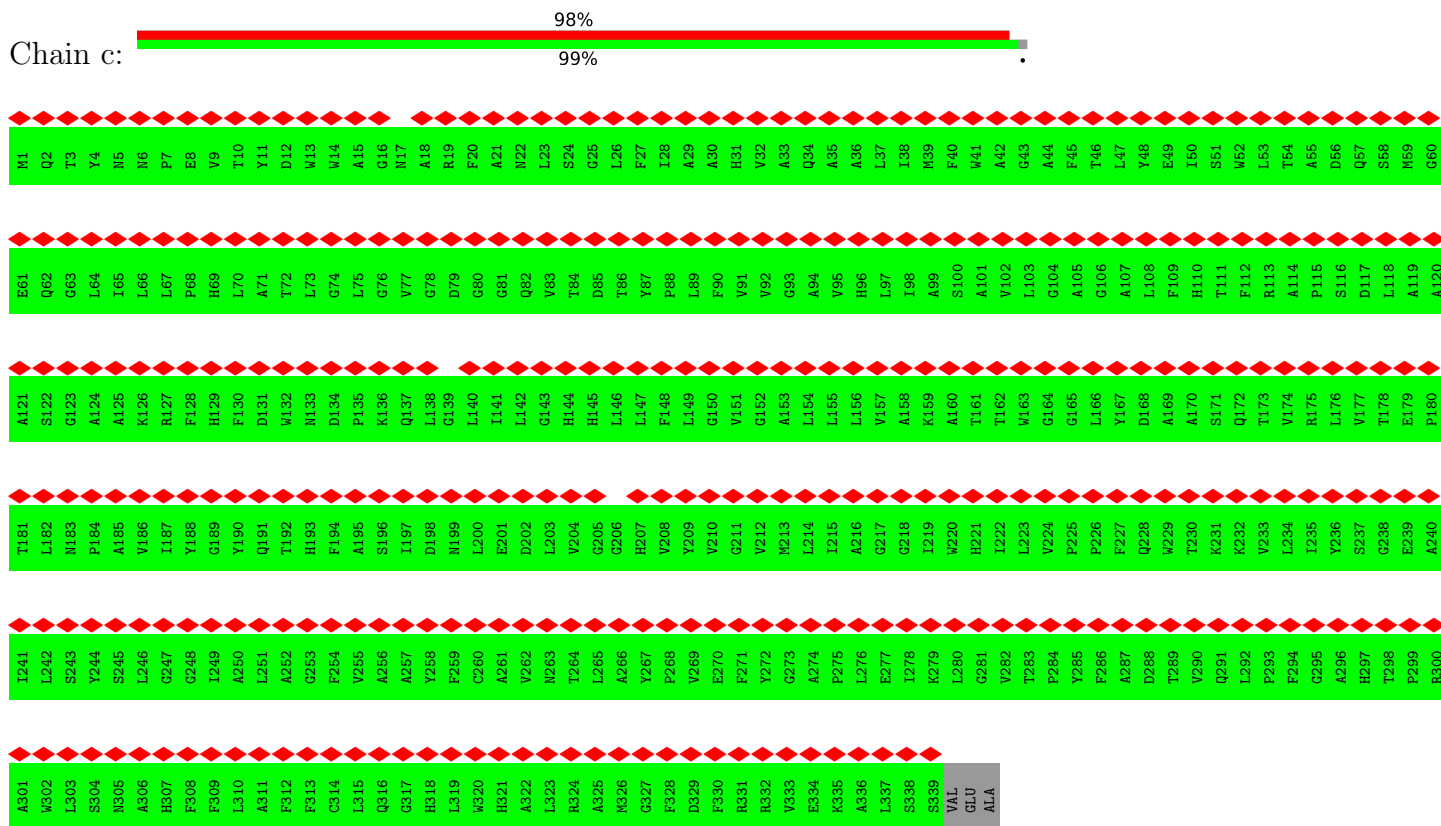
• Molecule 12: Iron stress-induced chlorophyll-binding protein



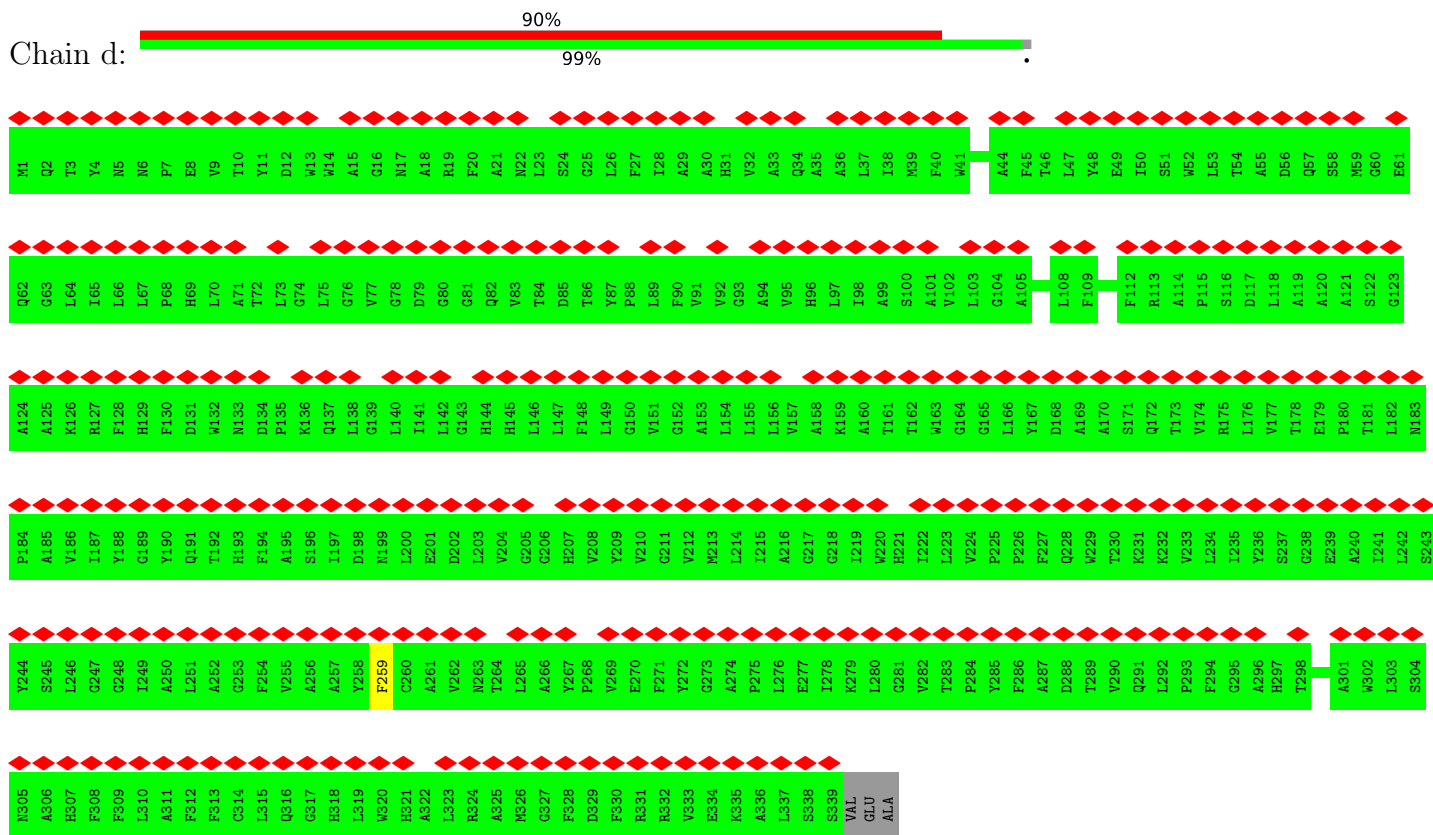
• Molecule 12: Iron stress-induced chlorophyll-binding protein



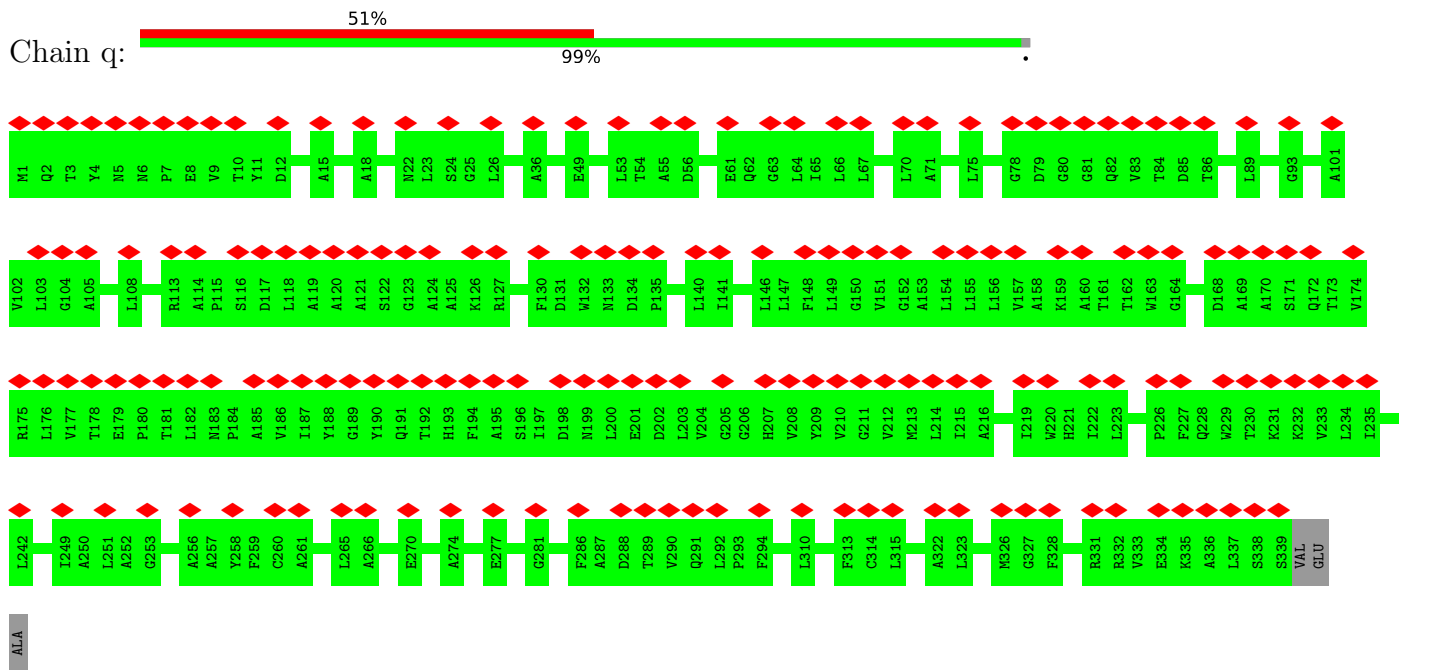
• Molecule 12: Iron stress-induced chlorophyll-binding protein



• Molecule 12: Iron stress-induced chlorophyll-binding protein

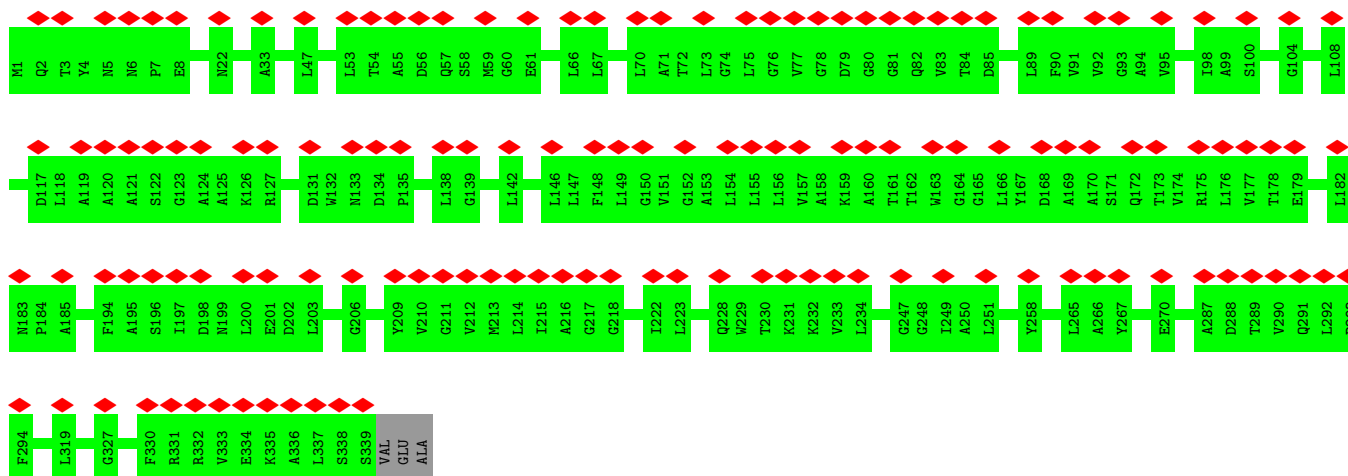


• Molecule 12: Iron stress-induced chlorophyll-binding protein



• Molecule 12: Iron stress-induced chlorophyll-binding protein



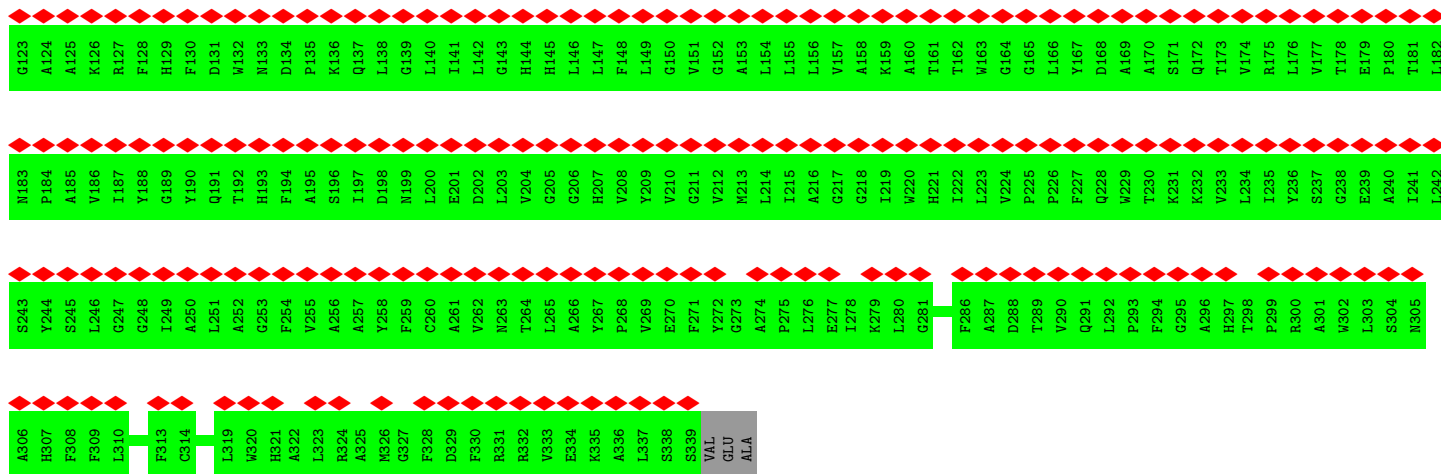


• Molecule 12: Iron stress-induced chlorophyll-binding protein



• Molecule 12: Iron stress-induced chlorophyll-binding protein

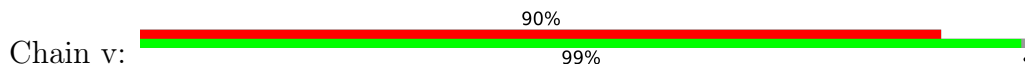




• Molecule 12: Iron stress-induced chlorophyll-binding protein



• Molecule 12: Iron stress-induced chlorophyll-binding protein



A124	A125	K126	R127	F128	F130	D131	W132	M133	D134	P135	K136	Q137	L138	G139	L140	I141	L142	G143	H144	H145	L146	L147	F148	L149	G150	V151	G152	A153	L154	L155	L156	V157	A158	K159	A160	T161	T162	W163	G164	G165	L166	Y167	D168	A169	A170	S171	Q172	T173	V174	R175	L176	V177	T178	E179	P180	T181	L182	N183	
P184	A185	V186	I187	Y188	G189	Y190	Q191	T192	H193	F194	A195	S196	I197	D198	N199	L200	E201	D202	L203	V204	G205	G206	H207	V208	Y209	V210	G211	V212	M213	L214	I215	A216	G217	G218	I219	W220	H221	I222	L223	V224	P225	P226	F227	Q228	W229	T230	K231	K232	V233	L234	I235	Y236	S237	G238	E239	A240	I241	L242	S243
Y244	S245	L246	G247	G248	I249	A250	L251	A252	G253	F254	V255	A256	A257	Y258	F259	C260	A261	V262	N263	T264	L265	A266	Y267	P268	V269	E270	F271	Y272	G273	A274	P275	L276	E277	I278	K279	L280	G281	V282	T283	P284	Y285	F286	A287	D288	T289	V290	Q291	L292	P293	F294	G295	A296	H297	T298	A301	W302	L303	S304	
N305	A306	H307	F308	F309	L310	A311	F312	F313	C314	L315	Q316	G317	H318	L319	W320	H321	A322	L323	R324	A325	M326	G327	F328	D329	F330	R331	R332	V333	E334	K335	A336	L337	S338	S339	VAL	GLU	ALA																						

4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C3	Depositor
Number of particles used	63332	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	60	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum map value	0.170	Depositor
Minimum map value	-0.081	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.005	Depositor
Recommended contour level	0.022	Depositor
Map size (Å)	499.19998, 499.19998, 499.19998	wwPDB
Map dimensions	480, 480, 480	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	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: LMU, LHG, CLA, BCR, LMG, SF4, PQN, 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	0.42	0/6064	0.53	0/8274
1	G	0.42	0/6064	0.53	0/8274
1	e	0.42	0/6064	0.53	0/8274
2	B	0.42	0/5999	0.53	0/8199
2	H	0.42	0/5999	0.53	0/8199
2	f	0.42	0/5999	0.53	0/8199
3	C	0.42	0/608	0.56	0/823
3	N	0.42	0/608	0.56	0/823
3	g	0.43	0/608	0.56	0/823
4	D	0.37	0/1124	0.54	0/1516
4	O	0.37	0/1124	0.54	0/1516
4	h	0.37	0/1124	0.54	0/1516
5	E	0.38	0/553	0.46	0/750
5	Q	0.38	0/553	0.46	0/750
5	i	0.38	0/553	0.46	0/750
6	F	0.36	0/1062	0.50	0/1442
6	R	0.36	0/1062	0.50	0/1442
6	j	0.36	0/1062	0.50	0/1442
7	I	0.38	0/289	0.62	0/393
7	S	0.38	0/289	0.62	0/393
7	k	0.38	0/289	0.62	0/393
8	J	0.41	0/346	0.57	0/469
8	T	0.41	0/346	0.57	0/469
8	l	0.41	0/346	0.57	0/469
9	K	0.31	0/560	0.56	0/765
9	U	0.31	0/560	0.56	0/765
9	m	0.31	0/560	0.56	0/765
10	L	0.36	0/1242	0.51	0/1696
10	V	0.36	0/1242	0.51	0/1696
10	n	0.36	0/1242	0.51	0/1696
11	M	0.37	0/231	0.54	0/314
11	W	0.37	0/231	0.54	0/314

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
11	o	0.37	0/231	0.54	0/314
12	1	0.28	0/2689	0.47	0/3678
12	2	0.28	0/2689	0.48	0/3678
12	3	0.27	0/2689	0.46	0/3678
12	4	0.27	0/2689	0.47	0/3678
12	5	0.27	0/2689	0.46	0/3678
12	6	0.27	0/2689	0.45	0/3678
12	Y	0.29	0/2689	0.47	0/3678
12	Z	0.29	0/2689	0.48	0/3678
12	a	0.27	0/2689	0.46	0/3678
12	b	0.27	0/2689	0.47	0/3678
12	c	0.27	0/2689	0.46	0/3678
12	d	0.27	0/2689	0.45	0/3678
12	q	0.29	0/2689	0.47	0/3678
12	r	0.29	0/2689	0.48	0/3678
12	s	0.27	0/2689	0.46	0/3678
12	t	0.27	0/2689	0.47	0/3678
12	u	0.27	0/2689	0.46	0/3678
12	v	0.27	0/2689	0.45	0/3678
All	All	0.35	0/102636	0.50	0/140127

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	749/763 (98%)	723 (96%)	26 (4%)	0	100	100
1	G	749/763 (98%)	723 (96%)	26 (4%)	0	100	100
1	e	749/763 (98%)	723 (96%)	26 (4%)	0	100	100
2	B	731/734 (100%)	711 (97%)	20 (3%)	0	100	100
2	H	731/734 (100%)	711 (97%)	20 (3%)	0	100	100
2	f	731/734 (100%)	711 (97%)	20 (3%)	0	100	100
3	C	78/81 (96%)	77 (99%)	1 (1%)	0	100	100
3	N	78/81 (96%)	77 (99%)	1 (1%)	0	100	100
3	g	78/81 (96%)	77 (99%)	1 (1%)	0	100	100
4	D	139/141 (99%)	132 (95%)	7 (5%)	0	100	100
4	O	139/141 (99%)	132 (95%)	7 (5%)	0	100	100
4	h	139/141 (99%)	132 (95%)	7 (5%)	0	100	100
5	E	69/75 (92%)	68 (99%)	1 (1%)	0	100	100
5	Q	69/75 (92%)	68 (99%)	1 (1%)	0	100	100
5	i	69/75 (92%)	68 (99%)	1 (1%)	0	100	100
6	F	134/159 (84%)	129 (96%)	5 (4%)	0	100	100
6	R	134/159 (84%)	129 (96%)	5 (4%)	0	100	100
6	j	134/159 (84%)	129 (96%)	5 (4%)	0	100	100
7	I	36/38 (95%)	34 (94%)	2 (6%)	0	100	100
7	S	36/38 (95%)	34 (94%)	2 (6%)	0	100	100
7	k	36/38 (95%)	34 (94%)	2 (6%)	0	100	100
8	J	39/41 (95%)	39 (100%)	0	0	100	100
8	T	39/41 (95%)	39 (100%)	0	0	100	100
8	l	39/41 (95%)	39 (100%)	0	0	100	100
9	K	76/84 (90%)	75 (99%)	1 (1%)	0	100	100
9	U	76/84 (90%)	75 (99%)	1 (1%)	0	100	100
9	m	76/84 (90%)	75 (99%)	1 (1%)	0	100	100
10	L	162/166 (98%)	157 (97%)	5 (3%)	0	100	100
10	V	162/166 (98%)	157 (97%)	5 (3%)	0	100	100
10	n	162/166 (98%)	157 (97%)	5 (3%)	0	100	100
11	M	27/29 (93%)	27 (100%)	0	0	100	100
11	W	27/29 (93%)	27 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	o	27/29 (93%)	27 (100%)	0	0	100	100
12	1	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
12	2	337/342 (98%)	329 (98%)	8 (2%)	0	100	100
12	3	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
12	4	337/342 (98%)	327 (97%)	10 (3%)	0	100	100
12	5	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
12	6	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
12	Y	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
12	Z	337/342 (98%)	329 (98%)	8 (2%)	0	100	100
12	a	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
12	b	337/342 (98%)	327 (97%)	10 (3%)	0	100	100
12	c	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
12	d	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
12	q	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
12	r	337/342 (98%)	329 (98%)	8 (2%)	0	100	100
12	s	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
12	t	337/342 (98%)	327 (97%)	10 (3%)	0	100	100
12	u	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
12	v	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
All	All	12786/13089 (98%)	12420 (97%)	366 (3%)	0	100	100

There are no Ramachandran outliers to report.

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	600/611 (98%)	599 (100%)	1 (0%)	92	98
1	G	600/611 (98%)	599 (100%)	1 (0%)	92	98

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	e	600/611 (98%)	599 (100%)	1 (0%)	92	98
2	B	583/584 (100%)	581 (100%)	2 (0%)	91	97
2	H	583/584 (100%)	581 (100%)	2 (0%)	91	97
2	f	583/584 (100%)	581 (100%)	2 (0%)	91	97
3	C	67/68 (98%)	67 (100%)	0	100	100
3	N	67/68 (98%)	67 (100%)	0	100	100
3	g	67/68 (98%)	67 (100%)	0	100	100
4	D	114/114 (100%)	114 (100%)	0	100	100
4	O	114/114 (100%)	114 (100%)	0	100	100
4	h	114/114 (100%)	114 (100%)	0	100	100
5	E	56/59 (95%)	56 (100%)	0	100	100
5	Q	56/59 (95%)	56 (100%)	0	100	100
5	i	56/59 (95%)	56 (100%)	0	100	100
6	F	105/121 (87%)	105 (100%)	0	100	100
6	R	105/121 (87%)	105 (100%)	0	100	100
6	j	105/121 (87%)	105 (100%)	0	100	100
7	I	30/30 (100%)	30 (100%)	0	100	100
7	S	30/30 (100%)	30 (100%)	0	100	100
7	k	30/30 (100%)	30 (100%)	0	100	100
8	J	35/35 (100%)	35 (100%)	0	100	100
8	T	35/35 (100%)	35 (100%)	0	100	100
8	l	35/35 (100%)	35 (100%)	0	100	100
9	K	56/61 (92%)	56 (100%)	0	100	100
9	U	56/61 (92%)	56 (100%)	0	100	100
9	m	56/61 (92%)	56 (100%)	0	100	100
10	L	127/128 (99%)	127 (100%)	0	100	100
10	V	127/128 (99%)	127 (100%)	0	100	100
10	n	127/128 (99%)	127 (100%)	0	100	100
11	M	24/24 (100%)	24 (100%)	0	100	100
11	W	24/24 (100%)	24 (100%)	0	100	100
11	o	24/24 (100%)	24 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
12	1	257/259 (99%)	257 (100%)	0	100	100
12	2	257/259 (99%)	257 (100%)	0	100	100
12	3	257/259 (99%)	257 (100%)	0	100	100
12	4	257/259 (99%)	257 (100%)	0	100	100
12	5	257/259 (99%)	257 (100%)	0	100	100
12	6	257/259 (99%)	256 (100%)	1 (0%)	89	97
12	Y	257/259 (99%)	257 (100%)	0	100	100
12	Z	257/259 (99%)	257 (100%)	0	100	100
12	a	257/259 (99%)	257 (100%)	0	100	100
12	b	257/259 (99%)	257 (100%)	0	100	100
12	c	257/259 (99%)	257 (100%)	0	100	100
12	d	257/259 (99%)	256 (100%)	1 (0%)	89	97
12	q	257/259 (99%)	257 (100%)	0	100	100
12	r	257/259 (99%)	257 (100%)	0	100	100
12	s	257/259 (99%)	257 (100%)	0	100	100
12	t	257/259 (99%)	257 (100%)	0	100	100
12	u	257/259 (99%)	257 (100%)	0	100	100
12	v	257/259 (99%)	256 (100%)	1 (0%)	89	97
All	All	10017/10167 (98%)	10005 (100%)	12 (0%)	92	98

All (12) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	383	TYR
2	B	162	ARG
2	B	443	VAL
12	6	259	PHE
1	G	383	TYR
2	H	162	ARG
2	H	443	VAL
12	d	259	PHE
1	e	383	TYR
2	f	162	ARG
2	f	443	VAL
12	v	259	PHE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (40) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	19	ASN
1	A	56	HIS
1	A	179	HIS
1	A	192	ASN
1	A	216	GLN
1	A	239	ASN
2	B	34	HIS
2	B	218	HIS
2	B	452	GLN
2	B	603	GLN
4	D	71	GLN
10	L	3	GLN
12	4	62	GLN
12	4	263	ASN
1	G	19	ASN
1	G	56	HIS
1	G	179	HIS
1	G	192	ASN
1	G	216	GLN
1	G	239	ASN
2	H	34	HIS
2	H	218	HIS
2	H	452	GLN
2	H	603	GLN
4	O	71	GLN
12	b	62	GLN
12	b	263	ASN
1	e	19	ASN
1	e	179	HIS
1	e	192	ASN
1	e	216	GLN
1	e	239	ASN
2	f	34	HIS
2	f	218	HIS
2	f	452	GLN
2	f	603	GLN
4	h	71	GLN
10	n	3	GLN
12	t	62	GLN
12	t	263	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](#)

846 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
16	BCR	2	524	-	41,41,41	0.73	0	56,56,56	1.67	12 (21%)
13	CLA	6	516	12	45,53,73	1.79	6 (13%)	52,89,113	1.60	8 (15%)
13	CLA	q	519	12	50,58,73	1.66	10 (20%)	58,95,113	1.50	8 (13%)
14	PQN	f	2002	-	34,34,34	2.87	11 (32%)	42,45,45	2.18	4 (9%)
13	CLA	4	503	12	55,63,73	1.63	6 (10%)	64,101,113	1.54	11 (17%)
13	CLA	u	508	12	45,53,73	1.78	7 (15%)	52,89,113	1.73	6 (11%)
13	CLA	6	508	12	45,53,73	1.77	7 (15%)	52,89,113	1.67	7 (13%)
17	LHG	H	1855	-	43,43,48	0.64	1 (2%)	46,49,54	1.21	5 (10%)
18	LMU	1	902	-	19,19,36	1.22	1 (5%)	24,24,47	1.10	3 (12%)
13	CLA	t	519	12	55,63,73	1.59	9 (16%)	64,101,113	1.50	6 (9%)
13	CLA	G	1022	21	65,73,73	1.48	9 (13%)	76,113,113	1.48	9 (11%)
13	CLA	Y	507	-	60,68,73	1.52	6 (10%)	70,107,113	1.53	9 (12%)
13	CLA	Z	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.48	7 (9%)
16	BCR	d	521	-	41,41,41	0.66	0	56,56,56	1.91	12 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
16	BCR	H	4005	-	41,41,41	0.70	0	56,56,56	1.78	11 (19%)
13	CLA	H	1220	2	55,63,73	1.55	9 (16%)	64,101,113	1.67	11 (17%)
13	CLA	T	1303	8	65,73,73	1.44	7 (10%)	76,113,113	1.51	11 (14%)
17	LHG	e	5003	13	40,40,48	0.74	1 (2%)	43,46,54	1.33	6 (13%)
13	CLA	v	519	12	46,54,73	1.76	6 (13%)	53,90,113	1.59	6 (11%)
16	BCR	L	4219	-	41,41,41	0.78	0	56,56,56	1.80	12 (21%)
13	CLA	f	1236	2	55,63,73	1.63	7 (12%)	64,101,113	1.43	8 (12%)
13	CLA	r	508	12	55,63,73	1.63	8 (14%)	64,101,113	1.59	9 (14%)
13	CLA	U	1401	-	55,63,73	1.59	7 (12%)	64,101,113	1.55	9 (14%)
16	BCR	A	4003	-	41,41,41	0.78	0	56,56,56	1.73	11 (19%)
20	SQD	6	822	-	25,26,54	1.29	4 (16%)	34,37,65	1.91	10 (29%)
13	CLA	6	509	12	45,53,73	1.77	6 (13%)	52,89,113	1.63	6 (11%)
13	CLA	Z	517	-	45,53,73	1.77	7 (15%)	52,89,113	1.62	6 (11%)
13	CLA	A	1101	1	65,73,73	1.49	8 (12%)	76,113,113	1.45	9 (11%)
13	CLA	H	1201	2	60,68,73	1.48	7 (11%)	70,107,113	1.66	8 (11%)
16	BCR	2	522	-	41,41,41	0.71	0	56,56,56	1.75	18 (32%)
16	BCR	M	4021	-	41,41,41	0.71	0	56,56,56	1.82	14 (25%)
13	CLA	f	1228	2	55,63,73	1.53	7 (12%)	64,101,113	1.67	8 (12%)
13	CLA	Z	513	12	65,73,73	1.50	8 (12%)	76,113,113	1.38	7 (9%)
13	CLA	B	1217	2	57,65,73	1.52	7 (12%)	66,103,113	1.54	8 (12%)
13	CLA	u	518	12	55,63,73	1.60	6 (10%)	64,101,113	1.45	7 (10%)
13	CLA	4	504	-	45,53,73	1.77	6 (13%)	52,89,113	1.63	7 (13%)
13	CLA	G	1101	1	65,73,73	1.49	8 (12%)	76,113,113	1.45	9 (11%)
13	CLA	c	503	12	55,63,73	1.64	6 (10%)	64,101,113	1.53	8 (12%)
16	BCR	f	4017	-	41,41,41	0.80	0	56,56,56	1.57	11 (19%)
19	LMG	H	5002	-	54,54,55	0.79	2 (3%)	62,62,63	1.43	10 (16%)
13	CLA	A	1107	1	65,73,73	1.47	10 (15%)	76,113,113	1.43	9 (11%)
13	CLA	r	510	12	65,73,73	1.46	7 (10%)	76,113,113	1.43	6 (7%)
16	BCR	Z	522	-	41,41,41	0.71	0	56,56,56	1.75	18 (32%)
13	CLA	A	1011	1	65,73,73	1.45	6 (9%)	76,113,113	1.63	12 (15%)
17	LHG	A	5004	-	35,35,48	0.74	1 (2%)	38,41,54	1.25	4 (10%)
13	CLA	m	1401	-	55,63,73	1.59	8 (14%)	64,101,113	1.56	9 (14%)
13	CLA	5	502	12	50,58,73	1.71	8 (16%)	58,95,113	1.54	7 (12%)
13	CLA	B	1219	2	65,73,73	1.48	7 (10%)	76,113,113	1.33	9 (11%)
13	CLA	r	504	-	50,58,73	1.68	7 (14%)	58,95,113	1.58	8 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	Y	510	12	65,73,73	1.46	6 (9%)	76,113,113	1.40	7 (9%)
13	CLA	f	1202	2	65,73,73	1.44	7 (10%)	76,113,113	1.65	10 (13%)
13	CLA	G	1801	17	45,53,73	1.72	7 (15%)	52,89,113	1.83	8 (15%)
13	CLA	s	501	12	65,73,73	1.45	7 (10%)	76,113,113	1.52	7 (9%)
13	CLA	5	512	12	45,53,73	1.76	7 (15%)	52,89,113	1.58	7 (13%)
13	CLA	H	1214	2	65,73,73	1.49	9 (13%)	76,113,113	1.51	7 (9%)
13	CLA	A	1116	1	60,68,73	1.51	7 (11%)	70,107,113	1.50	7 (10%)
16	BCR	V	4020	-	41,41,41	0.83	0	56,56,56	1.95	16 (28%)
13	CLA	2	501	12	65,73,73	1.48	7 (10%)	76,113,113	1.47	7 (9%)
13	CLA	A	1130	1	65,73,73	1.47	7 (10%)	76,113,113	1.52	10 (13%)
13	CLA	5	508	12	45,53,73	1.78	7 (15%)	52,89,113	1.73	6 (11%)
20	SQD	a	822	-	42,43,54	1.06	5 (11%)	51,54,65	1.59	12 (23%)
16	BCR	I	4018	-	41,41,41	0.77	0	56,56,56	1.84	15 (26%)
19	LMG	J	5104	-	35,35,55	0.99	1 (2%)	43,43,63	1.25	7 (16%)
13	CLA	H	1224	2	60,68,73	1.47	7 (11%)	70,107,113	1.58	8 (11%)
13	CLA	Y	511	12	55,63,73	1.61	6 (10%)	64,101,113	1.58	8 (12%)
13	CLA	A	1110	1	51,59,73	1.66	7 (13%)	59,96,113	1.60	7 (11%)
13	CLA	u	519	12	46,54,73	1.75	9 (19%)	53,90,113	1.55	6 (11%)
16	BCR	H	4009	-	41,41,41	0.81	0	56,56,56	1.91	21 (37%)
13	CLA	6	504	-	45,53,73	1.78	5 (11%)	52,89,113	1.68	8 (15%)
13	CLA	A	1131	1	65,73,73	1.45	9 (13%)	76,113,113	1.43	9 (11%)
13	CLA	c	504	-	45,53,73	1.77	5 (11%)	52,89,113	1.63	7 (13%)
13	CLA	r	507	-	65,73,73	1.44	7 (10%)	76,113,113	1.48	7 (9%)
13	CLA	B	1215	2	65,73,73	1.44	8 (12%)	76,113,113	1.57	8 (10%)
13	CLA	H	1232	21	50,58,73	1.62	7 (14%)	58,95,113	1.82	6 (10%)
13	CLA	A	1109	1	65,73,73	1.41	7 (10%)	76,113,113	1.52	7 (9%)
16	BCR	l	4013	-	41,41,41	0.76	0	56,56,56	1.96	15 (26%)
13	CLA	2	517	-	45,53,73	1.77	7 (15%)	52,89,113	1.63	6 (11%)
18	LMU	G	1849	-	23,23,36	1.17	1 (4%)	28,28,47	1.00	2 (7%)
13	CLA	G	1110	1	51,59,73	1.65	7 (13%)	59,96,113	1.60	7 (11%)
13	CLA	A	1133	1	65,73,73	1.39	8 (12%)	76,113,113	1.49	6 (7%)
13	CLA	A	1125	1	65,73,73	1.43	8 (12%)	76,113,113	1.55	9 (11%)
13	CLA	d	501	12	60,68,73	1.53	6 (10%)	70,107,113	1.51	7 (10%)
13	CLA	u	502	12	50,58,73	1.71	8 (16%)	58,95,113	1.55	7 (12%)
13	CLA	2	518	12	65,73,73	1.46	6 (9%)	76,113,113	1.48	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	G	1109	1	65,73,73	1.41	7 (10%)	76,113,113	1.52	7 (9%)
13	CLA	f	1234	2	65,73,73	1.42	8 (12%)	76,113,113	1.69	13 (17%)
16	BCR	G	4001	-	41,41,41	0.76	0	56,56,56	1.72	11 (19%)
13	CLA	q	508	12	55,63,73	1.60	7 (12%)	64,101,113	1.70	9 (14%)
13	CLA	H	1215	2	65,73,73	1.44	8 (12%)	76,113,113	1.57	8 (10%)
13	CLA	G	1133	1	65,73,73	1.39	7 (10%)	76,113,113	1.49	6 (7%)
16	BCR	U	4104	-	41,41,41	0.74	0	56,56,56	1.86	15 (26%)
13	CLA	B	1211	2	56,64,73	1.53	7 (12%)	65,102,113	1.78	6 (9%)
13	CLA	c	507	-	45,53,73	1.74	6 (13%)	52,89,113	1.69	8 (15%)
13	CLA	A	1124	21	56,64,73	1.58	6 (10%)	65,102,113	1.63	12 (18%)
13	CLA	s	507	-	65,73,73	1.47	6 (9%)	76,113,113	1.43	8 (10%)
16	BCR	b	524	-	41,41,41	0.67	0	56,56,56	1.85	15 (26%)
13	CLA	B	1231	21	65,73,73	1.37	7 (10%)	76,113,113	1.56	8 (10%)
13	CLA	d	517	-	45,53,73	1.78	7 (15%)	52,89,113	1.58	6 (11%)
16	BCR	4	522	-	41,41,41	0.74	0	56,56,56	1.85	18 (32%)
13	CLA	2	507	-	65,73,73	1.44	6 (9%)	76,113,113	1.48	7 (9%)
13	CLA	d	513	12	45,53,73	1.84	6 (13%)	52,89,113	1.54	6 (11%)
13	CLA	b	508	12	45,53,73	1.82	8 (17%)	52,89,113	1.75	10 (19%)
13	CLA	A	1117	1	65,73,73	1.43	10 (15%)	76,113,113	1.69	12 (15%)
13	CLA	2	506	12	55,63,73	1.61	7 (12%)	64,101,113	1.55	6 (9%)
13	CLA	u	506	12	45,53,73	1.78	6 (13%)	52,89,113	1.66	7 (13%)
13	CLA	v	506	12	45,53,73	1.79	7 (15%)	52,89,113	1.65	6 (11%)
16	BCR	Y	523	-	41,41,41	0.71	0	56,56,56	1.64	16 (28%)
16	BCR	Y	524	-	41,41,41	0.73	0	56,56,56	1.82	15 (26%)
16	BCR	n	4020	-	41,41,41	0.82	0	56,56,56	1.95	15 (26%)
13	CLA	e	1130	1	65,73,73	1.47	7 (10%)	76,113,113	1.52	10 (13%)
17	LHG	e	5005	-	44,44,48	0.67	1 (2%)	47,50,54	1.27	6 (12%)
13	CLA	A	1118	1	60,68,73	1.49	8 (13%)	70,107,113	1.49	8 (11%)
17	LHG	V	5218	-	37,37,48	0.75	2 (5%)	40,43,54	1.23	4 (10%)
13	CLA	e	1110	1	51,59,73	1.66	7 (13%)	59,96,113	1.61	7 (11%)
13	CLA	Y	508	12	55,63,73	1.60	7 (12%)	64,101,113	1.71	10 (15%)
13	CLA	Z	518	12	65,73,73	1.46	6 (9%)	76,113,113	1.48	7 (9%)
13	CLA	b	516	12	45,53,73	1.77	6 (13%)	52,89,113	1.58	7 (13%)
13	CLA	t	512	12	45,53,73	1.79	6 (13%)	52,89,113	1.62	6 (11%)
13	CLA	d	507	-	45,53,73	1.77	6 (13%)	52,89,113	1.66	8 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	q	507	-	60,68,73	1.53	6 (10%)	70,107,113	1.54	9 (12%)
13	CLA	B	1201	2	60,68,73	1.48	7 (11%)	70,107,113	1.65	8 (11%)
13	CLA	s	517	-	45,53,73	1.77	7 (15%)	52,89,113	1.58	6 (11%)
13	CLA	f	1239	2	65,73,73	1.49	7 (10%)	76,113,113	1.62	14 (18%)
16	BCR	5	521	-	41,41,41	0.68	0	56,56,56	1.94	16 (28%)
13	CLA	H	1212	2	55,63,73	1.54	8 (14%)	64,101,113	1.64	8 (12%)
13	CLA	c	502	12	50,58,73	1.71	8 (16%)	58,95,113	1.54	7 (12%)
16	BCR	s	521	-	41,41,41	0.66	0	56,56,56	1.76	10 (17%)
16	BCR	r	524	-	41,41,41	0.73	0	56,56,56	1.67	12 (21%)
13	CLA	A	1138	1	65,73,73	1.44	7 (10%)	76,113,113	1.46	8 (10%)
13	CLA	f	1218	2	60,68,73	1.47	7 (11%)	70,107,113	1.53	6 (8%)
13	CLA	3	501	12	65,73,73	1.44	7 (10%)	76,113,113	1.53	7 (9%)
13	CLA	5	509	12	65,73,73	1.46	7 (10%)	76,113,113	1.48	8 (10%)
16	BCR	6	523	-	41,41,41	0.70	0	56,56,56	1.73	14 (25%)
20	SQD	2	822	-	42,43,54	1.06	5 (11%)	51,54,65	1.61	10 (19%)
13	CLA	t	507	-	45,53,73	1.77	6 (13%)	52,89,113	1.69	8 (15%)
13	CLA	2	510	12	65,73,73	1.46	6 (9%)	76,113,113	1.44	6 (7%)
17	LHG	e	5007	-	46,46,48	0.66	1 (2%)	49,52,54	1.24	5 (10%)
13	CLA	f	1211	2	56,64,73	1.53	7 (12%)	65,102,113	1.77	6 (9%)
13	CLA	G	1138	1	65,73,73	1.44	7 (10%)	76,113,113	1.45	8 (10%)
13	CLA	r	503	12	65,73,73	1.48	7 (10%)	76,113,113	1.45	7 (9%)
16	BCR	f	4010	-	41,41,41	0.94	3 (7%)	56,56,56	2.28	23 (41%)
16	BCR	t	524	-	41,41,41	0.68	0	56,56,56	1.84	15 (26%)
13	CLA	b	502	12	50,58,73	1.69	6 (12%)	58,95,113	1.59	7 (12%)
17	LHG	A	5006	-	44,44,48	0.62	0	47,50,54	1.26	5 (10%)
13	CLA	3	517	-	45,53,73	1.78	7 (15%)	52,89,113	1.58	6 (11%)
13	CLA	r	516	12	45,53,73	1.77	6 (13%)	52,89,113	1.66	7 (13%)
16	BCR	G	4002	-	41,41,41	0.81	1 (2%)	56,56,56	1.85	14 (25%)
16	BCR	a	521	-	41,41,41	0.68	0	56,56,56	1.75	10 (17%)
16	BCR	A	4008	-	41,41,41	0.84	1 (2%)	56,56,56	2.03	17 (30%)
13	CLA	K	1401	-	55,63,73	1.59	8 (14%)	64,101,113	1.55	9 (14%)
13	CLA	4	513	12	45,53,73	1.80	7 (15%)	52,89,113	1.62	6 (11%)
13	CLA	Y	502	12	60,68,73	1.55	7 (11%)	70,107,113	1.47	7 (10%)
13	CLA	e	1801	17	45,53,73	1.72	7 (15%)	52,89,113	1.83	8 (15%)
13	CLA	d	509	12	45,53,73	1.77	6 (13%)	52,89,113	1.62	6 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	G	1125	1	65,73,73	1.43	7 (10%)	76,113,113	1.55	9 (11%)
13	CLA	5	519	12	46,54,73	1.76	9 (19%)	53,90,113	1.55	6 (11%)
13	CLA	v	510	12	45,53,73	1.80	6 (13%)	52,89,113	1.58	7 (13%)
20	SQD	Z	822	-	42,43,54	1.07	5 (11%)	51,54,65	1.61	10 (19%)
13	CLA	H	1217	2	57,65,73	1.52	7 (12%)	66,103,113	1.54	9 (13%)
13	CLA	e	1112	1	50,58,73	1.63	9 (18%)	58,95,113	1.72	8 (13%)
13	CLA	3	507	-	65,73,73	1.46	6 (9%)	76,113,113	1.44	8 (10%)
14	PQN	B	2002	-	34,34,34	2.88	11 (32%)	42,45,45	2.18	4 (9%)
13	CLA	1	507	-	60,68,73	1.52	6 (10%)	70,107,113	1.53	9 (12%)
13	CLA	a	501	12	65,73,73	1.44	7 (10%)	76,113,113	1.53	7 (9%)
16	BCR	4	524	-	41,41,41	0.67	0	56,56,56	1.84	15 (26%)
13	CLA	1	501	12	65,73,73	1.49	7 (10%)	76,113,113	1.44	8 (10%)
13	CLA	G	1122	1	60,68,73	1.50	9 (15%)	70,107,113	1.53	8 (11%)
13	CLA	B	1239	2	65,73,73	1.49	7 (10%)	76,113,113	1.63	14 (18%)
13	CLA	s	510	12	65,73,73	1.47	6 (9%)	76,113,113	1.46	9 (11%)
16	BCR	e	4002	-	41,41,41	0.81	0	56,56,56	1.85	14 (25%)
13	CLA	G	1108	1	54,62,73	1.61	7 (12%)	62,99,113	1.48	6 (9%)
13	CLA	4	508	12	45,53,73	1.82	8 (17%)	52,89,113	1.75	10 (19%)
18	LMU	A	1848	-	36,36,36	1.15	2 (5%)	47,47,47	1.07	2 (4%)
13	CLA	K	1103	9	50,58,73	1.64	9 (18%)	58,95,113	1.68	12 (20%)
13	CLA	H	1231	21	65,73,73	1.37	7 (10%)	76,113,113	1.56	8 (10%)
13	CLA	a	517	-	45,53,73	1.77	7 (15%)	52,89,113	1.58	6 (11%)
13	CLA	5	506	12	45,53,73	1.78	6 (13%)	52,89,113	1.66	7 (13%)
13	CLA	s	506	12	50,58,73	1.69	7 (14%)	58,95,113	1.67	6 (10%)
13	CLA	b	505	12	65,73,73	1.47	6 (9%)	76,113,113	1.37	6 (7%)
13	CLA	J	1303	8	65,73,73	1.44	7 (10%)	76,113,113	1.51	12 (15%)
13	CLA	4	516	12	45,53,73	1.78	6 (13%)	52,89,113	1.58	7 (13%)
13	CLA	n	1502	10	65,73,73	1.43	7 (10%)	76,113,113	1.48	8 (10%)
18	LMU	G	1848	-	36,36,36	1.15	2 (5%)	47,47,47	1.07	2 (4%)
13	CLA	f	1232	21	50,58,73	1.62	7 (14%)	58,95,113	1.82	6 (10%)
16	BCR	f	4006	-	41,41,41	0.72	0	56,56,56	1.98	20 (35%)
13	CLA	3	502	12	50,58,73	1.69	7 (14%)	58,95,113	1.62	8 (13%)
13	CLA	d	511	12	45,53,73	1.79	6 (13%)	52,89,113	1.66	6 (11%)
16	BCR	s	524	-	41,41,41	0.73	0	56,56,56	1.82	17 (30%)
13	CLA	4	505	12	65,73,73	1.47	6 (9%)	76,113,113	1.37	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	e	1103	1	65,73,73	1.43	7 (10%)	76,113,113	1.64	8 (10%)
16	BCR	1	521	-	41,41,41	0.66	0	56,56,56	1.81	11 (19%)
16	BCR	3	524	-	41,41,41	0.74	0	56,56,56	1.81	17 (30%)
15	SF4	g	3002	3	0,12,12	-	-	-	-	-
13	CLA	Y	519	12	50,58,73	1.65	10 (20%)	58,95,113	1.50	8 (13%)
13	CLA	s	508	12	55,63,73	1.63	7 (12%)	64,101,113	1.59	8 (12%)
13	CLA	1	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.50	7 (9%)
13	CLA	a	507	-	65,73,73	1.46	6 (9%)	76,113,113	1.44	8 (10%)
13	CLA	G	1237	21	65,73,73	1.48	9 (13%)	76,113,113	1.50	11 (14%)
13	CLA	d	506	12	45,53,73	1.79	6 (13%)	52,89,113	1.65	6 (11%)
13	CLA	q	506	12	45,53,73	1.77	7 (15%)	52,89,113	1.69	6 (11%)
16	BCR	B	4010	-	41,41,41	0.94	3 (7%)	56,56,56	2.28	23 (41%)
13	CLA	Z	510	12	65,73,73	1.46	7 (10%)	76,113,113	1.44	6 (7%)
13	CLA	Y	518	12	60,68,73	1.52	9 (15%)	70,107,113	1.52	8 (11%)
13	CLA	A	1111	1	65,73,73	1.46	7 (10%)	76,113,113	1.49	7 (9%)
13	CLA	H	1240	17	65,73,73	1.47	6 (9%)	76,113,113	1.44	9 (11%)
13	CLA	b	512	12	45,53,73	1.78	6 (13%)	52,89,113	1.62	6 (11%)
13	CLA	s	516	12	45,53,73	1.78	6 (13%)	52,89,113	1.85	12 (23%)
13	CLA	4	502	12	50,58,73	1.69	6 (12%)	58,95,113	1.60	7 (12%)
20	SQD	4	822	-	25,26,54	1.31	4 (16%)	34,37,65	1.84	9 (26%)
20	SQD	v	822	-	25,26,54	1.29	4 (16%)	34,37,65	1.91	10 (29%)
13	CLA	G	1106	1	65,73,73	1.41	9 (13%)	76,113,113	1.55	9 (11%)
13	CLA	2	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.48	7 (9%)
13	CLA	G	1121	1	55,63,73	1.58	8 (14%)	64,101,113	1.59	11 (17%)
13	CLA	2	516	12	45,53,73	1.77	6 (13%)	52,89,113	1.64	7 (13%)
13	CLA	3	516	12	45,53,73	1.77	6 (13%)	52,89,113	1.85	12 (23%)
13	CLA	q	509	12	65,73,73	1.46	7 (10%)	76,113,113	1.50	7 (9%)
13	CLA	r	505	12	65,73,73	1.44	6 (9%)	76,113,113	1.40	8 (10%)
13	CLA	a	511	12	50,58,73	1.70	6 (12%)	58,95,113	1.61	6 (10%)
14	PQN	e	2001	-	34,34,34	2.88	11 (32%)	42,45,45	2.11	7 (16%)
16	BCR	G	4008	-	41,41,41	0.84	1 (2%)	56,56,56	2.03	16 (28%)
13	CLA	t	516	12	45,53,73	1.78	6 (13%)	52,89,113	1.59	7 (13%)
17	LHG	G	5008	-	34,34,48	0.76	1 (2%)	37,40,54	1.28	4 (10%)
13	CLA	s	511	12	50,58,73	1.71	6 (12%)	58,95,113	1.62	6 (10%)
13	CLA	u	511	12	55,63,73	1.62	6 (10%)	64,101,113	1.53	7 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	2	511	12	55,63,73	1.62	6 (10%)	64,101,113	1.57	7 (10%)
16	BCR	l	4012	-	41,41,41	0.70	0	56,56,56	1.66	13 (23%)
13	CLA	t	505	12	65,73,73	1.46	6 (9%)	76,113,113	1.36	6 (7%)
13	CLA	e	1138	1	65,73,73	1.44	7 (10%)	76,113,113	1.46	8 (10%)
13	CLA	e	1139	21	65,73,73	1.46	7 (10%)	76,113,113	1.34	9 (11%)
16	BCR	Z	524	-	41,41,41	0.74	0	56,56,56	1.67	12 (21%)
13	CLA	A	1115	1	60,68,73	1.47	7 (11%)	70,107,113	1.59	8 (11%)
13	CLA	e	1136	1	60,68,73	1.53	8 (13%)	70,107,113	1.56	11 (15%)
13	CLA	Y	506	12	45,53,73	1.77	6 (13%)	52,89,113	1.68	6 (11%)
13	CLA	3	519	12	55,63,73	1.61	9 (16%)	64,101,113	1.50	7 (10%)
13	CLA	B	1232	21	50,58,73	1.62	7 (14%)	58,95,113	1.82	6 (10%)
13	CLA	b	519	12	55,63,73	1.58	9 (16%)	64,101,113	1.49	6 (9%)
13	CLA	2	513	12	65,73,73	1.50	8 (12%)	76,113,113	1.38	6 (7%)
13	CLA	Z	508	12	55,63,73	1.63	8 (14%)	64,101,113	1.58	9 (14%)
13	CLA	e	1237	21	65,73,73	1.49	9 (13%)	76,113,113	1.50	11 (14%)
13	CLA	s	502	12	50,58,73	1.68	7 (14%)	58,95,113	1.62	8 (13%)
19	LMG	l	5104	-	35,35,55	0.99	1 (2%)	43,43,63	1.24	7 (16%)
16	BCR	n	4022	-	41,41,41	0.75	0	56,56,56	1.90	15 (26%)
13	CLA	j	1301	21	65,73,73	1.46	7 (10%)	76,113,113	1.38	8 (10%)
13	CLA	B	1223	2	65,73,73	1.41	7 (10%)	76,113,113	1.56	6 (7%)
13	CLA	e	1022	21	65,73,73	1.48	9 (13%)	76,113,113	1.48	9 (11%)
13	CLA	G	1116	1	60,68,73	1.51	8 (13%)	70,107,113	1.50	7 (10%)
13	CLA	Z	516	12	45,53,73	1.77	7 (15%)	52,89,113	1.64	7 (13%)
15	SF4	G	3001	2,1	0,12,12	-	-	-	-	-
16	BCR	L	4020	-	41,41,41	0.83	0	56,56,56	1.95	16 (28%)
13	CLA	e	1121	1	55,63,73	1.59	7 (12%)	64,101,113	1.58	11 (17%)
13	CLA	G	1130	1	65,73,73	1.47	7 (10%)	76,113,113	1.52	10 (13%)
16	BCR	b	523	-	41,41,41	0.70	0	56,56,56	1.65	12 (21%)
16	BCR	e	4008	-	41,41,41	0.84	1 (2%)	56,56,56	2.02	17 (30%)
17	LHG	L	5221	-	48,48,48	0.65	2 (4%)	51,54,54	1.30	6 (11%)
13	CLA	e	1111	1	65,73,73	1.46	7 (10%)	76,113,113	1.48	7 (9%)
13	CLA	f	1238	21	65,73,73	1.41	7 (10%)	76,113,113	1.57	10 (13%)
13	CLA	Z	511	12	55,63,73	1.62	6 (10%)	64,101,113	1.57	7 (10%)
16	BCR	a	524	-	41,41,41	0.74	0	56,56,56	1.81	17 (30%)
13	CLA	e	1117	1	65,73,73	1.43	10 (15%)	76,113,113	1.69	12 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	e	1120	1	53,61,73	1.56	7 (13%)	61,98,113	1.68	7 (11%)
13	CLA	A	1123	21	65,73,73	1.40	7 (10%)	76,113,113	1.51	8 (10%)
13	CLA	B	1238	21	65,73,73	1.41	7 (10%)	76,113,113	1.57	10 (13%)
13	CLA	v	505	12	65,73,73	1.47	6 (9%)	76,113,113	1.43	7 (9%)
16	BCR	B	4014	-	41,41,41	0.74	0	56,56,56	1.85	13 (23%)
13	CLA	e	1135	1	52,60,73	1.54	8 (15%)	60,97,113	1.71	10 (16%)
13	CLA	2	504	-	50,58,73	1.68	7 (14%)	58,95,113	1.59	8 (13%)
13	CLA	b	506	12	45,53,73	1.79	6 (13%)	52,89,113	1.63	6 (11%)
20	SQD	H	1852	-	44,45,54	1.02	4 (9%)	53,56,65	1.84	14 (26%)
13	CLA	q	503	12	64,72,73	1.50	6 (9%)	74,111,113	1.46	8 (10%)
13	CLA	r	513	12	65,73,73	1.50	8 (12%)	76,113,113	1.38	6 (7%)
13	CLA	t	501	12	60,68,73	1.55	5 (8%)	70,107,113	1.44	6 (8%)
17	LHG	A	5007	-	46,46,48	0.67	1 (2%)	49,52,54	1.24	5 (10%)
13	CLA	e	1115	1	60,68,73	1.46	7 (11%)	70,107,113	1.59	8 (11%)
17	LHG	n	5218	-	37,37,48	0.75	2 (5%)	40,43,54	1.23	4 (10%)
13	CLA	H	1210	2	65,73,73	1.42	8 (12%)	76,113,113	1.53	12 (15%)
13	CLA	t	511	12	45,53,73	1.80	6 (13%)	52,89,113	1.70	7 (13%)
16	BCR	m	4104	-	41,41,41	0.74	0	56,56,56	1.86	15 (26%)
13	CLA	B	1225	2	65,73,73	1.42	9 (13%)	76,113,113	1.45	7 (9%)
13	CLA	L	1501	10	65,73,73	1.47	7 (10%)	76,113,113	1.52	9 (11%)
13	CLA	q	511	12	55,63,73	1.60	6 (10%)	64,101,113	1.57	8 (12%)
16	BCR	J	4012	-	41,41,41	0.70	0	56,56,56	1.66	13 (23%)
13	CLA	d	510	12	45,53,73	1.80	5 (11%)	52,89,113	1.57	7 (13%)
13	CLA	r	519	12	55,63,73	1.61	8 (14%)	64,101,113	1.46	9 (14%)
16	BCR	t	522	-	41,41,41	0.73	0	56,56,56	1.85	18 (32%)
13	CLA	5	505	12	61,69,73	1.51	6 (9%)	71,108,113	1.39	6 (8%)
13	CLA	H	1211	2	56,64,73	1.53	7 (12%)	65,102,113	1.79	6 (9%)
13	CLA	s	505	12	65,73,73	1.46	6 (9%)	76,113,113	1.37	6 (7%)
13	CLA	e	1124	21	56,64,73	1.58	6 (10%)	65,102,113	1.62	12 (18%)
13	CLA	t	518	12	55,63,73	1.62	7 (12%)	64,101,113	1.49	7 (10%)
16	BCR	A	4011	-	41,41,41	0.71	0	56,56,56	1.84	13 (23%)
13	CLA	r	517	-	45,53,73	1.77	7 (15%)	52,89,113	1.64	6 (11%)
13	CLA	G	1113	1	45,53,73	1.68	7 (15%)	52,89,113	1.76	6 (11%)
13	CLA	3	505	12	65,73,73	1.46	6 (9%)	76,113,113	1.36	6 (7%)
13	CLA	G	1120	1	53,61,73	1.56	7 (13%)	61,98,113	1.68	7 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	Z	502	12	60,68,73	1.56	8 (13%)	70,107,113	1.44	7 (10%)
16	BCR	t	523	-	41,41,41	0.69	0	56,56,56	1.65	13 (23%)
13	CLA	Z	504	-	50,58,73	1.68	6 (12%)	58,95,113	1.58	8 (13%)
16	BCR	W	4021	-	41,41,41	0.71	0	56,56,56	1.82	14 (25%)
16	BCR	r	521	-	41,41,41	0.66	0	56,56,56	1.86	11 (19%)
16	BCR	r	523	-	41,41,41	0.71	0	56,56,56	1.75	15 (26%)
13	CLA	a	502	12	50,58,73	1.68	7 (14%)	58,95,113	1.62	8 (13%)
13	CLA	s	518	12	55,63,73	1.61	7 (12%)	64,101,113	1.48	7 (10%)
13	CLA	e	1101	1	65,73,73	1.49	8 (12%)	76,113,113	1.45	9 (11%)
13	CLA	6	502	12	50,58,73	1.68	6 (12%)	58,95,113	1.60	7 (12%)
16	BCR	k	4018	-	41,41,41	0.77	0	56,56,56	1.84	15 (26%)
17	LHG	A	5009	-	48,48,48	0.62	1 (2%)	51,54,54	1.27	6 (11%)
14	PQN	H	2002	-	34,34,34	2.87	11 (32%)	42,45,45	2.17	4 (9%)
13	CLA	t	506	12	45,53,73	1.80	6 (13%)	52,89,113	1.65	7 (13%)
16	BCR	H	4004	-	41,41,41	0.72	0	56,56,56	1.85	13 (23%)
13	CLA	a	508	12	55,63,73	1.65	7 (12%)	64,101,113	1.60	8 (12%)
17	LHG	G	5009	-	48,48,48	0.62	1 (2%)	51,54,54	1.27	6 (11%)
13	CLA	v	501	12	60,68,73	1.53	7 (11%)	70,107,113	1.51	7 (10%)
16	BCR	n	4219	-	41,41,41	0.78	0	56,56,56	1.81	12 (21%)
13	CLA	f	1214	2	65,73,73	1.49	9 (13%)	76,113,113	1.51	7 (9%)
20	SQD	u	822	-	28,29,54	1.26	5 (17%)	37,40,65	1.92	13 (35%)
13	CLA	Y	513	12	55,63,73	1.62	7 (12%)	64,101,113	1.49	6 (9%)
13	CLA	t	503	12	55,63,73	1.63	6 (10%)	64,101,113	1.54	12 (18%)
13	CLA	A	1140	1	65,73,73	1.49	8 (12%)	76,113,113	1.47	12 (15%)
13	CLA	6	503	12	52,60,73	1.67	6 (11%)	60,97,113	1.58	9 (15%)
16	BCR	c	523	-	41,41,41	0.74	0	56,56,56	1.78	16 (28%)
15	SF4	C	3003	3	0,12,12	-	-	-	-	-
13	CLA	B	1213	2	65,73,73	1.40	7 (10%)	76,113,113	1.54	10 (13%)
13	CLA	H	1205	2	65,73,73	1.46	9 (13%)	76,113,113	1.54	9 (11%)
13	CLA	V	1501	10	65,73,73	1.46	7 (10%)	76,113,113	1.52	9 (11%)
16	BCR	V	4019	-	41,41,41	0.74	0	56,56,56	1.92	14 (25%)
17	LHG	G	5004	-	35,35,48	0.74	1 (2%)	38,41,54	1.25	4 (10%)
13	CLA	q	513	12	55,63,73	1.61	7 (12%)	64,101,113	1.50	6 (9%)
16	BCR	4	523	-	41,41,41	0.69	0	56,56,56	1.65	12 (21%)
13	CLA	1	519	12	50,58,73	1.66	10 (20%)	58,95,113	1.50	8 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	d	502	12	50,58,73	1.68	6 (12%)	58,95,113	1.60	7 (12%)
16	BCR	T	4013	-	41,41,41	0.76	0	56,56,56	1.96	15 (26%)
13	CLA	5	504	-	45,53,73	1.77	5 (11%)	52,89,113	1.64	7 (13%)
13	CLA	s	504	-	45,53,73	1.75	6 (13%)	52,89,113	1.69	6 (11%)
13	CLA	B	1214	2	65,73,73	1.49	9 (13%)	76,113,113	1.50	7 (9%)
17	LHG	e	5009	-	48,48,48	0.62	1 (2%)	51,54,54	1.27	6 (11%)
13	CLA	B	1203	2	65,73,73	1.44	9 (13%)	76,113,113	1.46	7 (9%)
16	BCR	d	524	-	41,41,41	0.75	0	56,56,56	1.87	13 (23%)
13	CLA	A	1104	1	65,73,73	1.40	7 (10%)	76,113,113	1.53	10 (13%)
16	BCR	V	4022	-	41,41,41	0.76	0	56,56,56	1.90	14 (25%)
20	SQD	f	1852	-	44,45,54	1.01	4 (9%)	53,56,65	1.84	14 (26%)
13	CLA	6	505	12	65,73,73	1.47	6 (9%)	76,113,113	1.43	7 (9%)
13	CLA	U	1103	9	50,58,73	1.64	9 (18%)	58,95,113	1.69	11 (18%)
13	CLA	Y	512	12	52,60,73	1.65	6 (11%)	60,97,113	1.53	6 (10%)
13	CLA	v	507	-	45,53,73	1.77	6 (13%)	52,89,113	1.66	8 (15%)
13	CLA	2	519	12	55,63,73	1.61	9 (16%)	64,101,113	1.46	9 (14%)
13	CLA	d	508	12	45,53,73	1.77	7 (15%)	52,89,113	1.67	7 (13%)
16	BCR	o	4021	-	41,41,41	0.71	0	56,56,56	1.81	14 (25%)
13	CLA	l	1302	8	58,66,73	1.52	8 (13%)	67,104,113	1.53	8 (11%)
13	CLA	U	1105	9	45,53,73	1.79	8 (17%)	52,89,113	1.85	11 (21%)
13	CLA	e	1114	21	50,58,73	1.68	8 (16%)	58,95,113	1.64	7 (12%)
17	LHG	A	5001	-	48,48,48	0.78	1 (2%)	51,54,54	1.26	6 (11%)
13	CLA	d	516	12	45,53,73	1.79	6 (13%)	52,89,113	1.61	8 (15%)
13	CLA	Z	505	12	65,73,73	1.44	6 (9%)	76,113,113	1.41	8 (10%)
13	CLA	q	504	-	45,53,73	1.79	7 (15%)	52,89,113	1.61	8 (15%)
13	CLA	B	1240	17	65,73,73	1.47	6 (9%)	76,113,113	1.44	9 (11%)
13	CLA	c	501	12	65,73,73	1.46	7 (10%)	76,113,113	1.48	7 (9%)
16	BCR	2	523	-	41,41,41	0.71	0	56,56,56	1.75	15 (26%)
13	CLA	G	1119	21	65,73,73	1.46	9 (13%)	76,113,113	1.51	9 (11%)
13	CLA	G	1137	1	65,73,73	1.44	7 (10%)	76,113,113	1.51	8 (10%)
13	CLA	c	512	12	45,53,73	1.75	6 (13%)	52,89,113	1.59	7 (13%)
13	CLA	G	1123	21	65,73,73	1.40	7 (10%)	76,113,113	1.50	8 (10%)
13	CLA	v	517	-	45,53,73	1.79	6 (13%)	52,89,113	1.59	6 (11%)
13	CLA	e	1113	1	45,53,73	1.67	7 (15%)	52,89,113	1.77	6 (11%)
13	CLA	f	1205	2	65,73,73	1.45	9 (13%)	76,113,113	1.53	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
16	BCR	t	521	-	41,41,41	0.65	0	56,56,56	1.78	11 (19%)
13	CLA	R	1302	6	45,53,73	1.76	7 (15%)	52,89,113	1.59	6 (11%)
13	CLA	c	517	-	45,53,73	1.81	6 (13%)	52,89,113	1.55	6 (11%)
13	CLA	L	1502	10	65,73,73	1.43	7 (10%)	76,113,113	1.49	8 (10%)
13	CLA	f	1219	2	65,73,73	1.47	7 (10%)	76,113,113	1.33	9 (11%)
13	CLA	B	1012	21	65,73,73	1.46	9 (13%)	76,113,113	1.54	8 (10%)
17	LHG	G	5005	-	44,44,48	0.67	1 (2%)	47,50,54	1.27	6 (12%)
16	BCR	c	521	-	41,41,41	0.69	0	56,56,56	1.94	16 (28%)
13	CLA	m	1105	9	45,53,73	1.79	9 (20%)	52,89,113	1.85	11 (21%)
13	CLA	t	517	-	45,53,73	1.77	7 (15%)	52,89,113	1.66	8 (15%)
13	CLA	v	504	-	45,53,73	1.76	5 (11%)	52,89,113	1.68	8 (15%)
16	BCR	G	4011	-	41,41,41	0.71	0	56,56,56	1.84	13 (23%)
16	BCR	F	4016	-	41,41,41	0.74	0	56,56,56	1.78	13 (23%)
16	BCR	B	4004	-	41,41,41	0.72	0	56,56,56	1.85	13 (23%)
13	CLA	t	513	12	45,53,73	1.80	7 (15%)	52,89,113	1.62	6 (11%)
16	BCR	H	4010	-	41,41,41	0.94	3 (7%)	56,56,56	2.28	23 (41%)
13	CLA	f	1230	2	60,68,73	1.53	9 (15%)	70,107,113	1.53	10 (14%)
13	CLA	a	519	12	55,63,73	1.61	7 (12%)	64,101,113	1.50	7 (10%)
16	BCR	Z	523	-	41,41,41	0.71	0	56,56,56	1.75	15 (26%)
16	BCR	H	4014	-	41,41,41	0.74	0	56,56,56	1.84	13 (23%)
13	CLA	a	516	12	45,53,73	1.77	6 (13%)	52,89,113	1.85	12 (23%)
13	CLA	e	1133	1	65,73,73	1.39	7 (10%)	76,113,113	1.48	6 (7%)
17	LHG	e	5002	-	38,38,48	0.70	1 (2%)	41,44,54	1.22	5 (12%)
13	CLA	r	512	12	53,61,73	1.61	7 (13%)	61,98,113	1.47	5 (8%)
13	CLA	A	1105	1	55,63,73	1.52	7 (12%)	64,101,113	1.69	9 (14%)
13	CLA	u	503	12	55,63,73	1.63	6 (10%)	64,101,113	1.53	8 (12%)
13	CLA	A	1137	1	65,73,73	1.44	7 (10%)	76,113,113	1.50	8 (10%)
13	CLA	5	510	12	45,53,73	1.76	6 (13%)	52,89,113	1.60	7 (13%)
13	CLA	f	1206	2	65,73,73	1.44	10 (15%)	76,113,113	1.58	7 (9%)
13	CLA	a	513	12	65,73,73	1.47	6 (9%)	76,113,113	1.44	7 (9%)
13	CLA	J	1302	8	58,66,73	1.52	8 (13%)	67,104,113	1.51	8 (11%)
13	CLA	r	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.48	7 (9%)
16	BCR	r	522	-	41,41,41	0.70	0	56,56,56	1.75	17 (30%)
13	CLA	b	513	12	45,53,73	1.80	7 (15%)	52,89,113	1.62	6 (11%)
13	CLA	r	502	12	60,68,73	1.57	8 (13%)	70,107,113	1.44	8 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	e	1134	1	56,64,73	1.57	8 (14%)	65,102,113	1.54	8 (12%)
13	CLA	r	518	12	65,73,73	1.46	7 (10%)	76,113,113	1.48	7 (9%)
13	CLA	B	1205	2	65,73,73	1.46	9 (13%)	76,113,113	1.53	9 (11%)
13	CLA	B	1236	2	55,63,73	1.63	7 (12%)	64,101,113	1.43	8 (12%)
16	BCR	f	4014	-	41,41,41	0.74	0	56,56,56	1.84	13 (23%)
13	CLA	H	1012	21	65,73,73	1.46	9 (13%)	76,113,113	1.54	8 (10%)
13	CLA	f	1021	2	65,73,73	1.42	8 (12%)	76,113,113	1.44	9 (11%)
13	CLA	A	1022	21	65,73,73	1.47	10 (15%)	76,113,113	1.49	9 (11%)
13	CLA	t	504	-	45,53,73	1.77	6 (13%)	52,89,113	1.63	7 (13%)
16	BCR	5	524	-	41,41,41	0.68	0	56,56,56	1.67	14 (25%)
16	BCR	e	4001	-	41,41,41	0.76	0	56,56,56	1.72	11 (19%)
16	BCR	l	522	-	41,41,41	0.73	0	56,56,56	1.91	19 (33%)
13	CLA	B	1210	2	65,73,73	1.42	8 (12%)	76,113,113	1.53	12 (15%)
13	CLA	q	512	12	52,60,73	1.64	6 (11%)	60,97,113	1.53	6 (10%)
13	CLA	e	1128	1	65,73,73	1.54	10 (15%)	76,113,113	1.61	7 (9%)
13	CLA	u	513	12	45,53,73	1.82	8 (17%)	52,89,113	1.56	7 (13%)
13	CLA	Z	519	12	55,63,73	1.61	9 (16%)	64,101,113	1.46	9 (14%)
13	CLA	a	506	12	50,58,73	1.70	7 (14%)	58,95,113	1.67	6 (10%)
13	CLA	6	519	12	46,54,73	1.76	6 (13%)	53,90,113	1.59	6 (11%)
17	LHG	G	5006	-	44,44,48	0.62	0	47,50,54	1.25	5 (10%)
13	CLA	q	510	12	65,73,73	1.47	5 (7%)	76,113,113	1.41	7 (9%)
13	CLA	H	1223	2	65,73,73	1.40	7 (10%)	76,113,113	1.55	6 (7%)
16	BCR	B	4005	-	41,41,41	0.70	0	56,56,56	1.78	11 (19%)
17	LHG	n	5220	-	40,40,48	0.65	0	43,46,54	1.23	4 (9%)
13	CLA	d	505	12	65,73,73	1.47	6 (9%)	76,113,113	1.43	7 (9%)
17	LHG	B	1842	13	38,38,48	0.66	0	41,44,54	1.23	4 (9%)
17	LHG	G	5002	-	38,38,48	0.70	1 (2%)	41,44,54	1.22	5 (12%)
16	BCR	6	521	-	41,41,41	0.66	0	56,56,56	1.91	12 (21%)
17	LHG	I	5001	-	43,43,48	0.64	0	46,49,54	1.22	4 (8%)
13	CLA	s	512	12	45,53,73	1.74	7 (15%)	52,89,113	1.62	5 (9%)
18	LMU	Y	902	-	19,19,36	1.22	1 (5%)	24,24,47	1.10	3 (12%)
17	LHG	A	5003	13	40,40,48	0.74	1 (2%)	43,46,54	1.34	6 (13%)
13	CLA	l	1303	8	65,73,73	1.43	7 (10%)	76,113,113	1.51	12 (15%)
13	CLA	5	516	12	45,53,73	1.78	6 (13%)	52,89,113	1.59	6 (11%)
13	CLA	b	504	-	45,53,73	1.76	6 (13%)	52,89,113	1.63	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	1	508	12	55,63,73	1.60	7 (12%)	64,101,113	1.70	9 (14%)
13	CLA	f	1227	2	65,73,73	1.47	9 (13%)	76,113,113	1.47	9 (11%)
13	CLA	v	513	12	45,53,73	1.82	6 (13%)	52,89,113	1.54	6 (11%)
16	BCR	v	524	-	41,41,41	0.76	0	56,56,56	1.87	13 (23%)
13	CLA	A	1113	1	45,53,73	1.67	7 (15%)	52,89,113	1.77	6 (11%)
16	BCR	q	524	-	41,41,41	0.73	0	56,56,56	1.82	15 (26%)
13	CLA	d	518	12	55,63,73	1.61	6 (10%)	64,101,113	1.50	7 (10%)
13	CLA	A	1132	1	65,73,73	1.43	10 (15%)	76,113,113	1.48	10 (13%)
13	CLA	f	1222	21	60,68,73	1.50	7 (11%)	70,107,113	1.54	10 (14%)
18	LMU	f	1843	-	36,36,36	1.19	2 (5%)	47,47,47	1.11	3 (6%)
15	SF4	g	3003	3	0,12,12	-	-	-	-	-
13	CLA	u	512	12	45,53,73	1.77	7 (15%)	52,89,113	1.59	7 (13%)
13	CLA	u	504	-	45,53,73	1.78	6 (13%)	52,89,113	1.64	7 (13%)
13	CLA	v	508	12	45,53,73	1.77	7 (15%)	52,89,113	1.68	7 (13%)
13	CLA	u	510	12	45,53,73	1.77	6 (13%)	52,89,113	1.60	7 (13%)
13	CLA	G	1132	1	65,73,73	1.42	9 (13%)	76,113,113	1.47	10 (13%)
13	CLA	Y	505	12	65,73,73	1.45	6 (9%)	76,113,113	1.39	7 (9%)
13	CLA	Z	503	12	65,73,73	1.47	6 (9%)	76,113,113	1.44	7 (9%)
16	BCR	5	522	-	41,41,41	0.74	0	56,56,56	1.93	20 (35%)
16	BCR	d	523	-	41,41,41	0.70	0	56,56,56	1.73	14 (25%)
13	CLA	q	516	12	45,53,73	1.79	6 (13%)	52,89,113	1.79	10 (19%)
13	CLA	Z	506	12	55,63,73	1.61	7 (12%)	64,101,113	1.55	6 (9%)
20	SQD	r	822	-	42,43,54	1.07	5 (11%)	51,54,65	1.61	10 (19%)
13	CLA	Y	503	12	64,72,73	1.49	6 (9%)	74,111,113	1.45	8 (10%)
13	CLA	5	518	12	55,63,73	1.60	6 (10%)	64,101,113	1.45	7 (10%)
15	SF4	e	3001	2,1	0,12,12	-	-	-	-	-
13	CLA	G	1105	1	55,63,73	1.51	7 (12%)	64,101,113	1.70	9 (14%)
13	CLA	H	1219	2	65,73,73	1.48	7 (10%)	76,113,113	1.33	9 (11%)
13	CLA	f	1225	2	65,73,73	1.41	9 (13%)	76,113,113	1.45	7 (9%)
13	CLA	v	511	12	45,53,73	1.78	6 (13%)	52,89,113	1.67	6 (11%)
13	CLA	c	516	12	45,53,73	1.79	6 (13%)	52,89,113	1.60	6 (11%)
18	LMU	A	1849	-	23,23,36	1.17	1 (4%)	28,28,47	1.00	1 (3%)
13	CLA	B	1206	2	65,73,73	1.44	10 (15%)	76,113,113	1.58	7 (9%)
13	CLA	s	503	12	65,73,73	1.50	6 (9%)	76,113,113	1.41	9 (11%)
13	CLA	e	1131	1	65,73,73	1.44	9 (13%)	76,113,113	1.43	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	PQN	G	2001	-	34,34,34	2.87	11 (32%)	42,45,45	2.12	7 (16%)
13	CLA	H	1203	2	65,73,73	1.44	8 (12%)	76,113,113	1.46	7 (9%)
16	BCR	V	4219	-	41,41,41	0.77	0	56,56,56	1.80	12 (21%)
13	CLA	A	1136	1	60,68,73	1.52	8 (13%)	70,107,113	1.56	11 (15%)
13	CLA	e	1122	1	60,68,73	1.49	9 (15%)	70,107,113	1.53	8 (11%)
13	CLA	3	510	12	65,73,73	1.46	6 (9%)	76,113,113	1.46	9 (11%)
13	CLA	f	1201	2	60,68,73	1.48	7 (11%)	70,107,113	1.66	8 (11%)
13	CLA	G	1104	1	65,73,73	1.40	7 (10%)	76,113,113	1.53	10 (13%)
16	BCR	S	4018	-	41,41,41	0.77	0	56,56,56	1.84	15 (26%)
13	CLA	v	502	12	50,58,73	1.68	6 (12%)	58,95,113	1.60	6 (10%)
13	CLA	q	502	12	60,68,73	1.54	7 (11%)	70,107,113	1.47	7 (10%)
13	CLA	q	518	12	60,68,73	1.52	9 (15%)	70,107,113	1.53	8 (11%)
15	SF4	N	3003	3	0,12,12	-	-	-	-	-
13	CLA	1	512	12	52,60,73	1.64	6 (11%)	60,97,113	1.53	6 (10%)
13	CLA	G	1136	1	60,68,73	1.52	8 (13%)	70,107,113	1.55	11 (15%)
13	CLA	B	1209	2	52,60,73	1.66	8 (15%)	60,97,113	1.67	8 (13%)
13	CLA	v	509	12	45,53,73	1.77	6 (13%)	52,89,113	1.63	6 (11%)
16	BCR	1	524	-	41,41,41	0.73	0	56,56,56	1.82	15 (26%)
13	CLA	a	512	12	45,53,73	1.75	7 (15%)	52,89,113	1.62	5 (9%)
16	BCR	T	4015	-	41,41,41	0.78	0	56,56,56	1.82	14 (25%)
13	CLA	3	512	12	45,53,73	1.74	7 (15%)	52,89,113	1.61	5 (9%)
13	CLA	B	1229	2	65,73,73	1.43	7 (10%)	76,113,113	1.57	10 (13%)
13	CLA	a	510	12	65,73,73	1.47	6 (9%)	76,113,113	1.47	9 (11%)
13	CLA	f	1012	21	65,73,73	1.46	9 (13%)	76,113,113	1.54	8 (10%)
13	CLA	f	1208	2	65,73,73	1.42	7 (10%)	76,113,113	1.42	8 (10%)
13	CLA	6	512	12	45,53,73	1.77	6 (13%)	52,89,113	1.58	5 (9%)
16	BCR	b	522	-	41,41,41	0.74	0	56,56,56	1.85	18 (32%)
16	BCR	G	4003	-	41,41,41	0.78	0	56,56,56	1.73	11 (19%)
13	CLA	b	518	12	55,63,73	1.62	7 (12%)	64,101,113	1.49	7 (10%)
13	CLA	c	508	12	45,53,73	1.77	7 (15%)	52,89,113	1.73	6 (11%)
16	BCR	v	523	-	41,41,41	0.70	0	56,56,56	1.73	14 (25%)
13	CLA	f	1207	2	65,73,73	1.46	9 (13%)	76,113,113	1.38	6 (7%)
16	BCR	Y	522	-	41,41,41	0.73	0	56,56,56	1.91	20 (35%)
13	CLA	3	503	12	65,73,73	1.50	6 (9%)	76,113,113	1.41	9 (11%)
13	CLA	T	1302	8	58,66,73	1.53	8 (13%)	67,104,113	1.51	8 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	e	1140	1	65,73,73	1.49	7 (10%)	76,113,113	1.47	12 (15%)
13	CLA	B	1227	2	65,73,73	1.46	9 (13%)	76,113,113	1.47	9 (11%)
13	CLA	1	516	12	45,53,73	1.79	6 (13%)	52,89,113	1.79	10 (19%)
13	CLA	f	1221	21	65,73,73	1.49	8 (12%)	76,113,113	1.65	12 (15%)
20	SQD	5	822	-	28,29,54	1.25	5 (17%)	37,40,65	1.92	13 (35%)
20	SQD	s	822	-	42,43,54	1.06	5 (11%)	51,54,65	1.59	12 (23%)
16	BCR	J	4013	-	41,41,41	0.76	0	56,56,56	1.96	15 (26%)
13	CLA	H	1213	2	65,73,73	1.40	7 (10%)	76,113,113	1.54	10 (13%)
13	CLA	B	1222	21	60,68,73	1.50	7 (11%)	70,107,113	1.54	10 (14%)
20	SQD	t	822	-	25,26,54	1.31	4 (16%)	34,37,65	1.84	9 (26%)
14	PQN	A	2001	-	34,34,34	2.88	11 (32%)	42,45,45	2.11	7 (16%)
13	CLA	f	1215	2	65,73,73	1.44	8 (12%)	76,113,113	1.57	7 (9%)
16	BCR	B	4017	-	41,41,41	0.80	0	56,56,56	1.57	11 (19%)
17	LHG	e	5008	-	34,34,48	0.77	1 (2%)	37,40,54	1.28	4 (10%)
13	CLA	e	1119	21	65,73,73	1.45	9 (13%)	76,113,113	1.52	9 (11%)
13	CLA	B	1235	2	65,73,73	1.43	7 (10%)	76,113,113	1.54	10 (13%)
13	CLA	6	511	12	45,53,73	1.78	6 (13%)	52,89,113	1.66	6 (11%)
13	CLA	G	1107	1	65,73,73	1.47	10 (15%)	76,113,113	1.43	9 (11%)
13	CLA	A	1126	1	65,73,73	1.39	7 (10%)	76,113,113	1.60	8 (10%)
13	CLA	H	1209	2	52,60,73	1.66	8 (15%)	60,97,113	1.67	8 (13%)
13	CLA	A	1127	1	65,73,73	1.41	7 (10%)	76,113,113	1.50	9 (11%)
13	CLA	q	501	12	65,73,73	1.50	7 (10%)	76,113,113	1.43	8 (10%)
13	CLA	a	518	12	55,63,73	1.61	7 (12%)	64,101,113	1.47	7 (10%)
16	BCR	c	522	-	41,41,41	0.74	0	56,56,56	1.93	20 (35%)
20	SQD	q	822	-	47,48,54	0.99	5 (10%)	56,59,65	1.74	13 (23%)
16	BCR	u	524	-	41,41,41	0.68	0	56,56,56	1.67	14 (25%)
13	CLA	B	1021	2	65,73,73	1.42	8 (12%)	76,113,113	1.44	9 (11%)
16	BCR	B	4009	-	41,41,41	0.81	0	56,56,56	1.91	21 (37%)
13	CLA	1	502	12	60,68,73	1.55	7 (11%)	70,107,113	1.47	7 (10%)
13	CLA	G	1127	1	65,73,73	1.41	7 (10%)	76,113,113	1.50	9 (11%)
13	CLA	c	518	12	55,63,73	1.60	6 (10%)	64,101,113	1.45	7 (10%)
13	CLA	4	519	12	55,63,73	1.58	9 (16%)	64,101,113	1.49	6 (9%)
13	CLA	e	1102	1	65,73,73	1.42	7 (10%)	76,113,113	1.49	7 (9%)
13	CLA	e	1106	1	65,73,73	1.41	9 (13%)	76,113,113	1.54	9 (11%)
15	SF4	N	3002	3	0,12,12	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	A	1128	1	65,73,73	1.53	10 (15%)	76,113,113	1.61	7 (9%)
13	CLA	B	1208	2	65,73,73	1.43	7 (10%)	76,113,113	1.42	8 (10%)
13	CLA	A	1102	1	65,73,73	1.42	6 (9%)	76,113,113	1.49	7 (9%)
13	CLA	j	1302	6	45,53,73	1.76	7 (15%)	52,89,113	1.58	6 (11%)
13	CLA	n	1501	10	65,73,73	1.46	8 (12%)	76,113,113	1.52	9 (11%)
13	CLA	r	501	12	65,73,73	1.49	7 (10%)	76,113,113	1.47	7 (9%)
13	CLA	t	509	12	65,73,73	1.48	6 (9%)	76,113,113	1.50	8 (10%)
16	BCR	a	523	-	41,41,41	0.69	0	56,56,56	1.76	15 (26%)
17	LHG	G	5001	-	48,48,48	0.78	1 (2%)	51,54,54	1.26	6 (11%)
13	CLA	b	501	12	60,68,73	1.54	5 (8%)	70,107,113	1.46	6 (8%)
13	CLA	2	502	12	60,68,73	1.56	8 (13%)	70,107,113	1.45	7 (10%)
16	BCR	n	4019	-	41,41,41	0.73	0	56,56,56	1.92	14 (25%)
13	CLA	A	1134	1	56,64,73	1.57	8 (14%)	65,102,113	1.55	8 (12%)
18	LMU	l	5105	-	22,22,36	1.14	1 (4%)	27,27,47	0.81	0
16	BCR	e	4011	-	41,41,41	0.71	0	56,56,56	1.84	13 (23%)
13	CLA	u	516	12	45,53,73	1.78	6 (13%)	52,89,113	1.59	6 (11%)
17	LHG	f	1842	13	38,38,48	0.65	0	41,44,54	1.23	4 (9%)
17	LHG	G	5003	13	40,40,48	0.74	0	43,46,54	1.34	6 (13%)
13	CLA	H	1238	21	65,73,73	1.41	7 (10%)	76,113,113	1.57	10 (13%)
13	CLA	3	506	12	50,58,73	1.70	7 (14%)	58,95,113	1.67	6 (10%)
17	LHG	f	1855	-	43,43,48	0.64	1 (2%)	46,49,54	1.22	5 (10%)
13	CLA	r	511	12	55,63,73	1.62	6 (10%)	64,101,113	1.56	7 (10%)
13	CLA	f	1223	2	65,73,73	1.42	7 (10%)	76,113,113	1.56	6 (7%)
20	SQD	L	5216	-	50,51,54	0.97	5 (10%)	59,62,65	1.63	11 (18%)
13	CLA	b	503	12	55,63,73	1.64	6 (10%)	64,101,113	1.55	11 (17%)
13	CLA	2	512	12	53,61,73	1.61	7 (13%)	61,98,113	1.48	5 (8%)
13	CLA	A	1135	1	52,60,73	1.53	8 (15%)	60,97,113	1.72	10 (16%)
13	CLA	G	1013	-	65,73,73	1.43	8 (12%)	76,113,113	1.75	9 (11%)
13	CLA	5	507	-	45,53,73	1.75	6 (13%)	52,89,113	1.68	8 (15%)
13	CLA	2	508	12	55,63,73	1.62	8 (14%)	64,101,113	1.59	9 (14%)
17	LHG	G	5007	-	46,46,48	0.67	1 (2%)	49,52,54	1.24	5 (10%)
13	CLA	F	1301	21	65,73,73	1.46	7 (10%)	76,113,113	1.39	8 (10%)
13	CLA	4	506	12	45,53,73	1.80	6 (13%)	52,89,113	1.64	6 (11%)
13	CLA	B	1220	2	55,63,73	1.54	9 (16%)	64,101,113	1.67	11 (17%)
13	CLA	B	1207	2	65,73,73	1.46	9 (13%)	76,113,113	1.38	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	2	505	12	65,73,73	1.44	6 (9%)	76,113,113	1.41	8 (10%)
20	SQD	3	822	-	42,43,54	1.06	5 (11%)	51,54,65	1.59	12 (23%)
13	CLA	B	1221	21	65,73,73	1.48	8 (12%)	76,113,113	1.66	12 (15%)
13	CLA	F	1302	6	45,53,73	1.76	7 (15%)	52,89,113	1.59	6 (11%)
13	CLA	e	1011	1	65,73,73	1.45	6 (9%)	76,113,113	1.63	12 (15%)
13	CLA	f	1204	2	65,73,73	1.38	8 (12%)	76,113,113	1.43	9 (11%)
13	CLA	q	505	12	65,73,73	1.46	6 (9%)	76,113,113	1.40	7 (9%)
16	BCR	H	4006	-	41,41,41	0.73	0	56,56,56	1.98	19 (33%)
16	BCR	Y	521	-	41,41,41	0.65	0	56,56,56	1.80	11 (19%)
18	LMU	B	1843	-	36,36,36	1.19	2 (5%)	47,47,47	1.11	3 (6%)
20	SQD	1	822	-	47,48,54	0.99	5 (10%)	56,59,65	1.74	13 (23%)
16	BCR	A	4007	-	41,41,41	0.74	0	56,56,56	2.11	18 (32%)
15	SF4	A	3001	2,1	0,12,12	-	-	-	-	-
16	BCR	5	523	-	41,41,41	0.75	0	56,56,56	1.78	16 (28%)
13	CLA	c	519	12	46,54,73	1.76	9 (19%)	53,90,113	1.56	6 (11%)
16	BCR	G	4007	-	41,41,41	0.75	0	56,56,56	2.10	18 (32%)
13	CLA	f	1216	21	60,68,73	1.57	10 (16%)	70,107,113	1.44	6 (8%)
13	CLA	G	1118	1	60,68,73	1.49	8 (13%)	70,107,113	1.49	8 (11%)
16	BCR	e	4007	-	41,41,41	0.74	0	56,56,56	2.11	18 (32%)
13	CLA	H	1239	2	65,73,73	1.48	7 (10%)	76,113,113	1.63	14 (18%)
16	BCR	s	522	-	41,41,41	0.68	0	56,56,56	1.91	15 (26%)
13	CLA	H	1206	2	65,73,73	1.44	10 (15%)	76,113,113	1.58	7 (9%)
16	BCR	f	4005	-	41,41,41	0.70	0	56,56,56	1.78	11 (19%)
13	CLA	A	1801	17	45,53,73	1.72	7 (15%)	52,89,113	1.83	8 (15%)
13	CLA	H	1230	2	60,68,73	1.53	9 (15%)	70,107,113	1.52	10 (14%)
13	CLA	Y	501	12	65,73,73	1.49	7 (10%)	76,113,113	1.43	8 (10%)
13	CLA	H	1236	2	55,63,73	1.63	7 (12%)	64,101,113	1.42	8 (12%)
13	CLA	u	505	12	61,69,73	1.51	6 (9%)	71,108,113	1.40	6 (8%)
13	CLA	A	1121	1	55,63,73	1.58	7 (12%)	64,101,113	1.58	11 (17%)
17	LHG	A	5008	-	34,34,48	0.76	1 (2%)	37,40,54	1.28	4 (10%)
13	CLA	b	517	-	45,53,73	1.78	6 (13%)	52,89,113	1.66	8 (15%)
13	CLA	G	1128	1	65,73,73	1.53	10 (15%)	76,113,113	1.61	6 (7%)
16	BCR	q	523	-	41,41,41	0.71	0	56,56,56	1.64	16 (28%)
13	CLA	a	503	12	65,73,73	1.50	6 (9%)	76,113,113	1.41	9 (11%)
13	CLA	5	501	12	65,73,73	1.46	6 (9%)	76,113,113	1.47	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	f	1023	-	65,73,73	1.41	8 (12%)	76,113,113	1.84	14 (18%)
16	BCR	u	522	-	41,41,41	0.74	0	56,56,56	1.93	20 (35%)
13	CLA	e	1108	1	54,62,73	1.61	7 (12%)	62,99,113	1.49	6 (9%)
20	SQD	b	822	-	25,26,54	1.31	4 (16%)	34,37,65	1.85	9 (26%)
18	LMU	H	1843	-	36,36,36	1.19	2 (5%)	47,47,47	1.10	3 (6%)
13	CLA	Y	517	-	45,53,73	1.78	7 (15%)	52,89,113	1.58	6 (11%)
13	CLA	B	1226	2	65,73,73	1.56	10 (15%)	76,113,113	1.82	14 (18%)
13	CLA	5	511	12	55,63,73	1.61	6 (10%)	64,101,113	1.52	7 (10%)
13	CLA	c	506	12	45,53,73	1.77	5 (11%)	52,89,113	1.66	7 (13%)
13	CLA	G	1114	21	50,58,73	1.67	8 (16%)	58,95,113	1.64	7 (12%)
13	CLA	Y	504	-	45,53,73	1.80	8 (17%)	52,89,113	1.61	8 (15%)
13	CLA	e	1118	1	60,68,73	1.50	7 (11%)	70,107,113	1.49	8 (11%)
13	CLA	u	509	12	65,73,73	1.45	7 (10%)	76,113,113	1.49	8 (10%)
13	CLA	5	517	-	45,53,73	1.80	7 (15%)	52,89,113	1.55	6 (11%)
16	BCR	b	521	-	41,41,41	0.64	0	56,56,56	1.78	11 (19%)
13	CLA	1	505	12	65,73,73	1.46	6 (9%)	76,113,113	1.40	7 (9%)
18	LMU	e	1848	-	36,36,36	1.14	2 (5%)	47,47,47	1.07	2 (4%)
13	CLA	b	507	-	45,53,73	1.75	6 (13%)	52,89,113	1.68	8 (15%)
17	LHG	L	5218	-	37,37,48	0.75	2 (5%)	40,43,54	1.23	4 (10%)
17	LHG	L	5220	-	40,40,48	0.65	0	43,46,54	1.23	4 (9%)
18	LMU	e	1849	-	23,23,36	1.16	1 (4%)	28,28,47	1.00	2 (7%)
13	CLA	G	1124	21	56,64,73	1.58	6 (10%)	65,102,113	1.64	12 (18%)
13	CLA	Z	512	12	53,61,73	1.61	6 (11%)	61,98,113	1.48	5 (8%)
13	CLA	H	1227	2	65,73,73	1.46	9 (13%)	76,113,113	1.46	9 (11%)
17	LHG	n	5221	-	48,48,48	0.65	2 (4%)	51,54,54	1.30	6 (11%)
16	BCR	s	523	-	41,41,41	0.69	0	56,56,56	1.76	15 (26%)
13	CLA	B	1202	2	65,73,73	1.44	7 (10%)	76,113,113	1.65	9 (11%)
16	BCR	4	521	-	41,41,41	0.64	0	56,56,56	1.78	11 (19%)
13	CLA	f	1209	2	52,60,73	1.66	8 (15%)	60,97,113	1.67	8 (13%)
13	CLA	6	513	12	45,53,73	1.83	5 (11%)	52,89,113	1.54	6 (11%)
13	CLA	B	1234	2	65,73,73	1.43	8 (12%)	76,113,113	1.69	13 (17%)
17	LHG	e	5006	-	44,44,48	0.62	0	47,50,54	1.26	5 (10%)
13	CLA	H	1235	2	65,73,73	1.43	8 (12%)	76,113,113	1.54	10 (13%)
13	CLA	a	505	12	65,73,73	1.45	6 (9%)	76,113,113	1.36	6 (7%)
13	CLA	v	516	12	45,53,73	1.78	5 (11%)	52,89,113	1.60	8 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	5	503	12	55,63,73	1.63	6 (10%)	64,101,113	1.53	8 (12%)
13	CLA	A	1114	21	50,58,73	1.68	8 (16%)	58,95,113	1.64	7 (12%)
13	CLA	1	518	12	60,68,73	1.53	10 (16%)	70,107,113	1.53	8 (11%)
13	CLA	f	1203	2	65,73,73	1.44	8 (12%)	76,113,113	1.46	7 (9%)
13	CLA	G	1011	1	65,73,73	1.46	6 (9%)	76,113,113	1.63	12 (15%)
13	CLA	G	1134	1	56,64,73	1.57	7 (12%)	65,102,113	1.55	8 (12%)
13	CLA	e	1109	1	65,73,73	1.42	7 (10%)	76,113,113	1.52	7 (9%)
13	CLA	B	1218	2	60,68,73	1.47	7 (11%)	70,107,113	1.52	7 (10%)
13	CLA	G	1126	1	65,73,73	1.38	6 (9%)	76,113,113	1.60	8 (10%)
16	BCR	1	523	-	41,41,41	0.71	0	56,56,56	1.63	16 (28%)
13	CLA	B	1216	21	60,68,73	1.56	10 (16%)	70,107,113	1.43	7 (10%)
13	CLA	b	510	12	50,58,73	1.69	6 (12%)	58,95,113	1.62	7 (12%)
16	BCR	6	522	-	41,41,41	0.70	0	56,56,56	1.84	14 (25%)
13	CLA	1	503	12	64,72,73	1.50	6 (9%)	74,111,113	1.46	7 (9%)
17	LHG	V	5220	-	40,40,48	0.64	0	43,46,54	1.23	4 (9%)
20	SQD	d	822	-	25,26,54	1.30	4 (16%)	34,37,65	1.91	10 (29%)
13	CLA	6	518	12	55,63,73	1.61	6 (10%)	64,101,113	1.49	7 (10%)
13	CLA	Y	516	12	45,53,73	1.79	6 (13%)	52,89,113	1.78	10 (19%)
17	LHG	V	5221	-	48,48,48	0.65	2 (4%)	51,54,54	1.30	6 (11%)
16	BCR	3	523	-	41,41,41	0.69	0	56,56,56	1.76	15 (26%)
17	LHG	e	5004	-	35,35,48	0.74	1 (2%)	38,41,54	1.25	4 (10%)
13	CLA	A	1103	1	65,73,73	1.43	7 (10%)	76,113,113	1.64	8 (10%)
16	BCR	B	4006	-	41,41,41	0.72	0	56,56,56	1.99	19 (33%)
16	BCR	J	4015	-	41,41,41	0.78	0	56,56,56	1.82	14 (25%)
13	CLA	4	507	-	45,53,73	1.76	6 (13%)	52,89,113	1.68	8 (15%)
16	BCR	q	521	-	41,41,41	0.65	0	56,56,56	1.80	11 (19%)
13	CLA	2	503	12	65,73,73	1.47	6 (9%)	76,113,113	1.45	7 (9%)
13	CLA	A	1122	1	60,68,73	1.50	9 (15%)	70,107,113	1.53	8 (11%)
13	CLA	e	1137	1	65,73,73	1.45	7 (10%)	76,113,113	1.50	8 (10%)
13	CLA	A	1108	1	54,62,73	1.61	7 (12%)	62,99,113	1.48	6 (9%)
13	CLA	3	518	12	55,63,73	1.61	7 (12%)	64,101,113	1.48	7 (10%)
17	LHG	B	1855	-	43,43,48	0.64	1 (2%)	46,49,54	1.21	5 (10%)
13	CLA	4	512	12	45,53,73	1.79	6 (13%)	52,89,113	1.62	6 (11%)
13	CLA	d	512	12	45,53,73	1.77	6 (13%)	52,89,113	1.59	5 (9%)
13	CLA	G	1117	1	65,73,73	1.43	10 (15%)	76,113,113	1.69	12 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	d	504	-	45,53,73	1.77	5 (11%)	52,89,113	1.68	7 (13%)
13	CLA	f	1226	2	65,73,73	1.56	10 (15%)	76,113,113	1.82	14 (18%)
13	CLA	f	1220	2	55,63,73	1.54	9 (16%)	64,101,113	1.67	11 (17%)
13	CLA	3	511	12	50,58,73	1.70	6 (12%)	58,95,113	1.62	6 (10%)
13	CLA	4	510	12	50,58,73	1.68	6 (12%)	58,95,113	1.62	7 (12%)
13	CLA	Y	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.51	7 (9%)
13	CLA	e	1126	1	65,73,73	1.39	7 (10%)	76,113,113	1.60	8 (10%)
13	CLA	v	512	12	45,53,73	1.77	6 (13%)	52,89,113	1.58	5 (9%)
20	SQD	B	1852	-	44,45,54	1.02	4 (9%)	53,56,65	1.84	14 (26%)
13	CLA	B	1230	2	60,68,73	1.54	9 (15%)	70,107,113	1.53	10 (14%)
16	BCR	K	4104	-	41,41,41	0.74	0	56,56,56	1.86	15 (26%)
16	BCR	j	4016	-	41,41,41	0.74	0	56,56,56	1.79	13 (23%)
13	CLA	B	1204	2	65,73,73	1.38	8 (12%)	76,113,113	1.43	9 (11%)
13	CLA	5	513	12	45,53,73	1.81	8 (17%)	52,89,113	1.57	6 (11%)
13	CLA	G	1140	1	65,73,73	1.49	8 (12%)	76,113,113	1.48	12 (15%)
13	CLA	e	1105	1	55,63,73	1.52	7 (12%)	64,101,113	1.69	9 (14%)
16	BCR	f	4009	-	41,41,41	0.81	0	56,56,56	1.91	21 (37%)
13	CLA	1	517	-	45,53,73	1.78	7 (15%)	52,89,113	1.58	6 (11%)
13	CLA	H	1023	-	65,73,73	1.40	8 (12%)	76,113,113	1.85	15 (19%)
16	BCR	u	521	-	41,41,41	0.68	0	56,56,56	1.94	16 (28%)
13	CLA	G	1135	1	52,60,73	1.53	8 (15%)	60,97,113	1.71	10 (16%)
16	BCR	R	4016	-	41,41,41	0.75	0	56,56,56	1.78	13 (23%)
16	BCR	u	523	-	41,41,41	0.74	0	56,56,56	1.78	16 (28%)
16	BCR	v	521	-	41,41,41	0.66	0	56,56,56	1.91	12 (21%)
13	CLA	t	510	12	50,58,73	1.68	6 (12%)	58,95,113	1.62	7 (12%)
13	CLA	H	1221	21	65,73,73	1.48	8 (12%)	76,113,113	1.66	12 (15%)
13	CLA	H	1222	21	60,68,73	1.49	7 (11%)	70,107,113	1.54	10 (14%)
13	CLA	b	511	12	45,53,73	1.80	6 (13%)	52,89,113	1.69	7 (13%)
17	LHG	e	5001	-	48,48,48	0.78	1 (2%)	51,54,54	1.26	6 (11%)
13	CLA	1	506	12	45,53,73	1.77	6 (13%)	52,89,113	1.68	6 (11%)
16	BCR	H	4017	-	41,41,41	0.79	0	56,56,56	1.58	11 (19%)
13	CLA	a	504	-	45,53,73	1.75	6 (13%)	52,89,113	1.69	6 (11%)
19	LMG	f	5002	-	54,54,55	0.80	3 (5%)	62,62,63	1.43	10 (16%)
13	CLA	d	519	12	46,54,73	1.76	6 (13%)	53,90,113	1.59	6 (11%)
13	CLA	q	517	-	45,53,73	1.78	7 (15%)	52,89,113	1.57	6 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
16	BCR	q	522	-	41,41,41	0.74	0	56,56,56	1.90	19 (33%)
13	CLA	1	504	-	45,53,73	1.79	8 (17%)	52,89,113	1.61	8 (15%)
13	CLA	m	1103	9	50,58,73	1.66	9 (18%)	58,95,113	1.68	12 (20%)
13	CLA	H	1021	2	65,73,73	1.42	8 (12%)	76,113,113	1.43	9 (11%)
13	CLA	f	1213	2	65,73,73	1.40	7 (10%)	76,113,113	1.54	10 (13%)
13	CLA	A	1112	1	50,58,73	1.63	9 (18%)	58,95,113	1.72	9 (15%)
13	CLA	4	501	12	60,68,73	1.54	5 (8%)	70,107,113	1.45	6 (8%)
13	CLA	u	501	12	65,73,73	1.47	6 (9%)	76,113,113	1.47	7 (9%)
13	CLA	3	504	-	45,53,73	1.75	6 (13%)	52,89,113	1.69	6 (11%)
16	BCR	L	4022	-	41,41,41	0.76	0	56,56,56	1.90	14 (25%)
18	LMU	Z	901	-	23,23,36	1.10	1 (4%)	28,28,47	0.94	0
16	BCR	2	521	-	41,41,41	0.66	0	56,56,56	1.87	11 (19%)
13	CLA	c	509	12	65,73,73	1.46	7 (10%)	76,113,113	1.49	8 (10%)
16	BCR	3	521	-	41,41,41	0.67	0	56,56,56	1.76	10 (17%)
13	CLA	G	1112	1	50,58,73	1.63	9 (18%)	58,95,113	1.72	9 (15%)
16	BCR	c	524	-	41,41,41	0.69	0	56,56,56	1.67	15 (26%)
16	BCR	A	4002	-	41,41,41	0.81	1 (2%)	56,56,56	1.85	15 (26%)
18	LMU	T	5105	-	22,22,36	1.14	1 (4%)	27,27,47	0.81	0
13	CLA	n	1503	21	60,68,73	1.49	7 (11%)	70,107,113	1.55	7 (10%)
13	CLA	4	517	-	45,53,73	1.79	6 (13%)	52,89,113	1.66	8 (15%)
13	CLA	G	1103	1	65,73,73	1.43	7 (10%)	76,113,113	1.64	8 (10%)
13	CLA	H	1216	21	60,68,73	1.56	10 (16%)	70,107,113	1.43	6 (8%)
13	CLA	u	517	-	45,53,73	1.80	7 (15%)	52,89,113	1.56	6 (11%)
16	BCR	f	4004	-	41,41,41	0.72	0	56,56,56	1.85	13 (23%)
13	CLA	c	510	12	45,53,73	1.76	6 (13%)	52,89,113	1.60	7 (13%)
13	CLA	L	1503	21	60,68,73	1.49	7 (11%)	70,107,113	1.55	7 (10%)
16	BCR	L	4019	-	41,41,41	0.73	0	56,56,56	1.92	14 (25%)
13	CLA	b	509	12	65,73,73	1.47	6 (9%)	76,113,113	1.50	9 (11%)
13	CLA	V	1503	21	60,68,73	1.49	7 (11%)	70,107,113	1.56	7 (10%)
13	CLA	G	1131	1	65,73,73	1.45	9 (13%)	76,113,113	1.43	9 (11%)
17	LHG	H	1842	13	38,38,48	0.66	0	41,44,54	1.23	4 (9%)
13	CLA	t	502	12	50,58,73	1.68	7 (14%)	58,95,113	1.59	7 (12%)
16	BCR	d	522	-	41,41,41	0.70	0	56,56,56	1.84	14 (25%)
17	LHG	k	5001	-	43,43,48	0.64	0	46,49,54	1.22	4 (8%)
20	SQD	Y	822	-	47,48,54	0.99	5 (10%)	56,59,65	1.74	13 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	4	509	12	65,73,73	1.47	6 (9%)	76,113,113	1.51	8 (10%)
13	CLA	f	1224	2	60,68,73	1.47	7 (11%)	70,107,113	1.59	8 (11%)
13	CLA	c	511	12	55,63,73	1.61	6 (10%)	64,101,113	1.53	7 (10%)
18	LMU	r	901	-	23,23,36	1.10	1 (4%)	28,28,47	0.94	0
13	CLA	6	501	12	60,68,73	1.53	6 (10%)	70,107,113	1.51	7 (10%)
16	BCR	Z	521	-	41,41,41	0.66	0	56,56,56	1.86	11 (19%)
13	CLA	f	1240	17	65,73,73	1.47	6 (9%)	76,113,113	1.44	9 (11%)
13	CLA	6	510	12	45,53,73	1.80	6 (13%)	52,89,113	1.57	7 (13%)
13	CLA	H	1207	2	65,73,73	1.47	9 (13%)	76,113,113	1.39	6 (7%)
15	SF4	C	3002	3	0,12,12	-	-	-	-	-
16	BCR	T	4012	-	41,41,41	0.70	0	56,56,56	1.66	13 (23%)
13	CLA	e	1132	1	65,73,73	1.43	10 (15%)	76,113,113	1.47	10 (13%)
16	BCR	e	4003	-	41,41,41	0.78	0	56,56,56	1.73	11 (19%)
13	CLA	r	506	12	55,63,73	1.61	6 (10%)	64,101,113	1.55	6 (9%)
13	CLA	l	513	12	55,63,73	1.61	7 (12%)	64,101,113	1.49	6 (9%)
13	CLA	c	513	12	45,53,73	1.81	8 (17%)	52,89,113	1.57	6 (11%)
20	SQD	n	5216	-	50,51,54	0.97	5 (10%)	59,62,65	1.63	11 (18%)
13	CLA	6	517	-	45,53,73	1.78	7 (15%)	52,89,113	1.59	6 (11%)
19	LMG	T	5104	-	35,35,55	0.99	1 (2%)	43,43,63	1.25	7 (16%)
20	SQD	c	822	-	28,29,54	1.25	5 (17%)	37,40,65	1.92	13 (35%)
16	BCR	l	4015	-	41,41,41	0.79	0	56,56,56	1.82	14 (25%)
13	CLA	Z	507	-	65,73,73	1.44	6 (9%)	76,113,113	1.48	7 (9%)
13	CLA	s	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.51	8 (10%)
13	CLA	B	1228	2	55,63,73	1.52	7 (12%)	64,101,113	1.68	8 (12%)
19	LMG	B	5002	-	54,54,55	0.79	2 (3%)	62,62,63	1.43	10 (16%)
13	CLA	l	510	12	65,73,73	1.47	6 (9%)	76,113,113	1.40	7 (9%)
13	CLA	e	1125	1	65,73,73	1.42	8 (12%)	76,113,113	1.56	9 (11%)
13	CLA	G	1102	1	65,73,73	1.42	6 (9%)	76,113,113	1.49	7 (9%)
13	CLA	R	1301	21	65,73,73	1.47	7 (10%)	76,113,113	1.39	8 (10%)
13	CLA	e	1013	-	65,73,73	1.42	8 (12%)	76,113,113	1.75	9 (11%)
16	BCR	A	4001	-	41,41,41	0.76	0	56,56,56	1.72	11 (19%)
13	CLA	t	508	12	45,53,73	1.82	8 (17%)	52,89,113	1.75	10 (19%)
13	CLA	H	1225	2	65,73,73	1.41	9 (13%)	76,113,113	1.44	7 (9%)
13	CLA	e	1107	1	65,73,73	1.46	10 (15%)	76,113,113	1.43	10 (13%)
13	CLA	G	1111	1	65,73,73	1.47	7 (10%)	76,113,113	1.49	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
13	CLA	6	507	-	45,53,73	1.77	6 (13%)	52,89,113	1.66	8 (15%)
18	LMU	J	5105	-	22,22,36	1.14	1 (4%)	27,27,47	0.81	0
13	CLA	1	511	12	55,63,73	1.60	6 (10%)	64,101,113	1.58	8 (12%)
13	CLA	e	1104	1	65,73,73	1.40	7 (10%)	76,113,113	1.52	10 (13%)
13	CLA	f	1229	2	65,73,73	1.44	7 (10%)	76,113,113	1.57	10 (13%)
13	CLA	6	506	12	45,53,73	1.79	5 (11%)	52,89,113	1.66	6 (11%)
13	CLA	3	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.51	8 (10%)
13	CLA	s	519	12	55,63,73	1.60	8 (14%)	64,101,113	1.49	7 (10%)
13	CLA	d	503	12	52,60,73	1.66	6 (11%)	60,97,113	1.57	9 (15%)
13	CLA	v	503	12	52,60,73	1.67	6 (11%)	60,97,113	1.58	9 (15%)
13	CLA	s	513	12	65,73,73	1.47	6 (9%)	76,113,113	1.44	7 (9%)
13	CLA	3	508	12	55,63,73	1.65	7 (12%)	64,101,113	1.60	8 (12%)
13	CLA	H	1226	2	65,73,73	1.56	10 (15%)	76,113,113	1.82	13 (17%)
20	SQD	V	5216	-	50,51,54	0.97	5 (10%)	59,62,65	1.64	10 (16%)
13	CLA	f	1235	2	65,73,73	1.42	8 (12%)	76,113,113	1.54	10 (13%)
13	CLA	G	1115	1	60,68,73	1.47	7 (11%)	70,107,113	1.59	8 (11%)
13	CLA	4	518	12	55,63,73	1.61	6 (10%)	64,101,113	1.48	7 (10%)
13	CLA	A	1129	1	51,59,73	1.61	10 (19%)	59,96,113	1.61	8 (13%)
13	CLA	B	1212	2	55,63,73	1.53	7 (12%)	64,101,113	1.64	8 (12%)
13	CLA	4	511	12	45,53,73	1.79	6 (13%)	52,89,113	1.70	7 (13%)
13	CLA	A	1120	1	53,61,73	1.56	7 (13%)	61,98,113	1.67	7 (11%)
13	CLA	B	1023	-	65,73,73	1.41	8 (12%)	76,113,113	1.85	14 (18%)
13	CLA	H	1208	2	65,73,73	1.42	7 (10%)	76,113,113	1.43	8 (10%)
13	CLA	H	1228	2	55,63,73	1.52	7 (12%)	64,101,113	1.68	9 (14%)
13	CLA	f	1210	2	65,73,73	1.43	8 (12%)	76,113,113	1.53	12 (15%)
13	CLA	H	1229	2	65,73,73	1.43	7 (10%)	76,113,113	1.57	10 (13%)
13	CLA	c	505	12	61,69,73	1.51	6 (9%)	71,108,113	1.40	6 (8%)
13	CLA	f	1212	2	55,63,73	1.53	7 (12%)	64,101,113	1.65	8 (12%)
13	CLA	G	1129	1	51,59,73	1.61	10 (19%)	59,96,113	1.61	8 (13%)
13	CLA	u	507	-	45,53,73	1.75	6 (13%)	52,89,113	1.68	8 (15%)
13	CLA	B	1224	2	60,68,73	1.47	7 (11%)	70,107,113	1.59	8 (11%)
18	LMU	q	902	-	19,19,36	1.22	1 (5%)	24,24,47	1.10	3 (12%)
13	CLA	H	1202	2	65,73,73	1.44	7 (10%)	76,113,113	1.65	9 (11%)
17	LHG	A	5002	-	38,38,48	0.70	1 (2%)	41,44,54	1.22	5 (12%)
17	LHG	A	5005	-	44,44,48	0.67	1 (2%)	47,50,54	1.27	6 (12%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
18	LMU	2	901	-	23,23,36	1.10	1 (4%)	28,28,47	0.94	0
16	BCR	a	522	-	41,41,41	0.67	0	56,56,56	1.91	16 (28%)
13	CLA	A	1119	21	65,73,73	1.46	9 (13%)	76,113,113	1.52	9 (11%)
13	CLA	H	1204	2	65,73,73	1.38	8 (12%)	76,113,113	1.43	9 (11%)
13	CLA	e	1123	21	65,73,73	1.40	7 (10%)	76,113,113	1.51	8 (10%)
13	CLA	A	1139	21	65,73,73	1.45	7 (10%)	76,113,113	1.33	9 (11%)
13	CLA	3	513	12	65,73,73	1.47	6 (9%)	76,113,113	1.43	7 (9%)
13	CLA	H	1234	2	65,73,73	1.43	8 (12%)	76,113,113	1.68	13 (17%)
13	CLA	a	509	12	65,73,73	1.47	7 (10%)	76,113,113	1.50	8 (10%)
16	BCR	6	524	-	41,41,41	0.75	0	56,56,56	1.86	13 (23%)
13	CLA	G	1139	21	65,73,73	1.45	7 (10%)	76,113,113	1.33	9 (11%)
13	CLA	A	1237	21	65,73,73	1.49	9 (13%)	76,113,113	1.50	11 (14%)
13	CLA	Z	501	12	65,73,73	1.48	7 (10%)	76,113,113	1.47	7 (9%)
13	CLA	f	1217	2	57,65,73	1.51	7 (12%)	66,103,113	1.54	8 (12%)
13	CLA	f	1231	21	65,73,73	1.38	7 (10%)	76,113,113	1.57	8 (10%)
13	CLA	e	1127	1	65,73,73	1.42	7 (10%)	76,113,113	1.50	9 (11%)
13	CLA	H	1218	2	60,68,73	1.47	7 (11%)	70,107,113	1.52	6 (8%)
13	CLA	V	1502	10	65,73,73	1.43	7 (10%)	76,113,113	1.49	8 (10%)
16	BCR	v	522	-	41,41,41	0.69	0	56,56,56	1.84	15 (26%)
16	BCR	3	522	-	41,41,41	0.67	0	56,56,56	1.91	16 (28%)
13	CLA	K	1105	9	45,53,73	1.79	8 (17%)	52,89,113	1.86	11 (21%)
17	LHG	S	5001	-	43,43,48	0.64	0	46,49,54	1.22	4 (8%)
13	CLA	v	518	12	55,63,73	1.61	6 (10%)	64,101,113	1.49	7 (10%)
13	CLA	A	1106	1	65,73,73	1.41	9 (13%)	76,113,113	1.54	9 (11%)
13	CLA	e	1129	1	51,59,73	1.60	10 (19%)	59,96,113	1.61	8 (13%)
13	CLA	A	1013	-	65,73,73	1.42	8 (12%)	76,113,113	1.75	9 (11%)
13	CLA	e	1116	1	60,68,73	1.51	8 (13%)	70,107,113	1.49	7 (10%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	2	524	-	-	2/29/63/63	0/2/2/2
13	CLA	6	516	12	1/1/11/20	8/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	q	519	12	1/1/12/20	6/19/97/115	-
14	PQN	f	2002	-	-	9/23/43/43	0/2/2/2
13	CLA	4	503	12	1/1/13/20	1/25/103/115	-
13	CLA	u	508	12	1/1/11/20	4/13/91/115	-
13	CLA	6	508	12	1/1/11/20	3/13/91/115	-
17	LHG	H	1855	-	-	28/48/48/53	-
18	LMU	1	902	-	-	6/10/30/61	0/1/1/2
13	CLA	t	519	12	1/1/13/20	12/25/103/115	-
13	CLA	G	1022	21	1/1/15/20	8/37/115/115	-
13	CLA	Y	507	-	1/1/14/20	15/31/109/115	-
13	CLA	Z	509	12	1/1/15/20	6/37/115/115	-
16	BCR	d	521	-	-	5/29/63/63	0/2/2/2
16	BCR	H	4005	-	-	6/29/63/63	0/2/2/2
13	CLA	H	1220	2	1/1/13/20	9/25/103/115	-
13	CLA	T	1303	8	1/1/15/20	18/37/115/115	-
17	LHG	e	5003	13	-	17/45/45/53	-
13	CLA	v	519	12	1/1/11/20	6/15/93/115	-
16	BCR	L	4219	-	-	2/29/63/63	0/2/2/2
13	CLA	f	1236	2	-	3/25/103/115	-
13	CLA	r	508	12	1/1/13/20	6/25/103/115	-
13	CLA	U	1401	-	1/1/13/20	8/25/103/115	-
16	BCR	A	4003	-	-	0/29/63/63	0/2/2/2
20	SQD	6	822	-	-	9/19/39/69	0/1/1/1
13	CLA	6	509	12	1/1/11/20	5/13/91/115	-
13	CLA	Z	517	-	1/1/11/20	4/13/91/115	-
13	CLA	A	1101	1	1/1/15/20	13/37/115/115	-
13	CLA	H	1201	2	1/1/14/20	11/31/109/115	-
16	BCR	2	522	-	-	6/29/63/63	0/2/2/2
16	BCR	M	4021	-	-	7/29/63/63	0/2/2/2
13	CLA	f	1228	2	1/1/13/20	8/25/103/115	-
13	CLA	Z	513	12	1/1/15/20	15/37/115/115	-
13	CLA	B	1217	2	1/1/13/20	12/28/106/115	-
13	CLA	u	518	12	1/1/13/20	11/25/103/115	-
13	CLA	4	504	-	1/1/11/20	5/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	G	1101	1	1/1/15/20	13/37/115/115	-
13	CLA	c	503	12	1/1/13/20	10/25/103/115	-
16	BCR	f	4017	-	-	2/29/63/63	0/2/2/2
19	LMG	H	5002	-	-	24/49/69/70	0/1/1/1
13	CLA	A	1107	1	1/1/15/20	14/37/115/115	-
13	CLA	r	510	12	1/1/15/20	9/37/115/115	-
16	BCR	Z	522	-	-	6/29/63/63	0/2/2/2
13	CLA	A	1011	1	1/1/15/20	10/37/115/115	-
17	LHG	A	5004	-	-	21/40/40/53	-
13	CLA	m	1401	-	1/1/13/20	8/25/103/115	-
13	CLA	5	502	12	1/1/12/20	5/19/97/115	-
13	CLA	B	1219	2	1/1/15/20	17/37/115/115	-
13	CLA	r	504	-	1/1/12/20	5/19/97/115	-
13	CLA	Y	510	12	1/1/15/20	11/37/115/115	-
13	CLA	f	1202	2	1/1/15/20	13/37/115/115	-
13	CLA	G	1801	17	1/1/11/20	5/13/91/115	-
13	CLA	s	501	12	1/1/15/20	6/37/115/115	-
13	CLA	5	512	12	1/1/11/20	5/13/91/115	-
13	CLA	H	1214	2	1/1/15/20	13/37/115/115	-
13	CLA	A	1116	1	1/1/14/20	15/31/109/115	-
16	BCR	V	4020	-	-	4/29/63/63	0/2/2/2
13	CLA	2	501	12	1/1/15/20	12/37/115/115	-
13	CLA	A	1130	1	1/1/15/20	7/37/115/115	-
13	CLA	5	508	12	1/1/11/20	4/13/91/115	-
20	SQD	a	822	-	-	21/38/58/69	0/1/1/1
16	BCR	I	4018	-	-	1/29/63/63	0/2/2/2
19	LMG	J	5104	-	-	17/30/50/70	0/1/1/1
13	CLA	H	1224	2	1/1/14/20	13/31/109/115	-
13	CLA	Y	511	12	1/1/13/20	4/25/103/115	-
13	CLA	A	1110	1	1/1/12/20	9/21/99/115	-
13	CLA	u	519	12	1/1/11/20	8/15/93/115	-
16	BCR	H	4009	-	-	1/29/63/63	0/2/2/2
13	CLA	6	504	-	1/1/11/20	6/13/91/115	-
13	CLA	A	1131	1	1/1/15/20	6/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	c	504	-	1/1/11/20	3/13/91/115	-
13	CLA	r	507	-	1/1/15/20	14/37/115/115	-
13	CLA	B	1215	2	1/1/15/20	19/37/115/115	-
13	CLA	H	1232	21	1/1/12/20	6/19/97/115	-
13	CLA	A	1109	1	1/1/15/20	9/37/115/115	-
16	BCR	l	4013	-	-	4/29/63/63	0/2/2/2
13	CLA	2	517	-	1/1/11/20	4/13/91/115	-
18	LMU	G	1849	-	-	6/14/34/61	0/1/1/2
13	CLA	G	1110	1	1/1/12/20	9/21/99/115	-
13	CLA	A	1133	1	1/1/15/20	15/37/115/115	-
13	CLA	A	1125	1	1/1/15/20	14/37/115/115	-
13	CLA	d	501	12	1/1/14/20	16/31/109/115	-
13	CLA	u	502	12	1/1/12/20	5/19/97/115	-
13	CLA	2	518	12	1/1/15/20	16/37/115/115	-
13	CLA	G	1109	1	1/1/15/20	9/37/115/115	-
13	CLA	f	1234	2	1/1/15/20	13/37/115/115	-
16	BCR	G	4001	-	-	8/29/63/63	0/2/2/2
13	CLA	q	508	12	1/1/13/20	9/25/103/115	-
13	CLA	H	1215	2	1/1/15/20	19/37/115/115	-
13	CLA	G	1133	1	1/1/15/20	15/37/115/115	-
16	BCR	U	4104	-	-	2/29/63/63	0/2/2/2
13	CLA	B	1211	2	1/1/13/20	4/27/105/115	-
13	CLA	c	507	-	1/1/11/20	5/13/91/115	-
13	CLA	A	1124	21	1/1/13/20	11/27/105/115	-
13	CLA	s	507	-	1/1/15/20	13/37/115/115	-
16	BCR	b	524	-	-	4/29/63/63	0/2/2/2
13	CLA	B	1231	21	1/1/15/20	8/37/115/115	-
13	CLA	d	517	-	1/1/11/20	9/13/91/115	-
16	BCR	4	522	-	-	4/29/63/63	0/2/2/2
13	CLA	2	507	-	1/1/15/20	14/37/115/115	-
13	CLA	d	513	12	1/1/11/20	3/13/91/115	-
13	CLA	b	508	12	1/1/11/20	4/13/91/115	-
13	CLA	A	1117	1	1/1/15/20	12/37/115/115	-
13	CLA	2	506	12	1/1/13/20	8/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	u	506	12	1/1/11/20	5/13/91/115	-
13	CLA	v	506	12	1/1/11/20	5/13/91/115	-
16	BCR	Y	523	-	-	6/29/63/63	0/2/2/2
16	BCR	Y	524	-	-	2/29/63/63	0/2/2/2
16	BCR	n	4020	-	-	4/29/63/63	0/2/2/2
13	CLA	e	1130	1	1/1/15/20	7/37/115/115	-
17	LHG	e	5005	-	-	29/49/49/53	-
13	CLA	A	1118	1	1/1/14/20	12/31/109/115	-
17	LHG	V	5218	-	-	23/42/42/53	-
13	CLA	e	1110	1	1/1/12/20	9/21/99/115	-
13	CLA	Y	508	12	1/1/13/20	9/25/103/115	-
13	CLA	Z	518	12	1/1/15/20	16/37/115/115	-
13	CLA	b	516	12	1/1/11/20	7/13/91/115	-
13	CLA	t	512	12	1/1/11/20	3/13/91/115	-
13	CLA	d	507	-	1/1/11/20	4/13/91/115	-
13	CLA	q	507	-	1/1/14/20	15/31/109/115	-
13	CLA	B	1201	2	1/1/14/20	11/31/109/115	-
13	CLA	s	517	-	1/1/11/20	7/13/91/115	-
13	CLA	f	1239	2	1/1/15/20	15/37/115/115	-
16	BCR	5	521	-	-	7/29/63/63	0/2/2/2
13	CLA	H	1212	2	1/1/13/20	11/25/103/115	-
13	CLA	c	502	12	1/1/12/20	5/19/97/115	-
16	BCR	s	521	-	-	7/29/63/63	0/2/2/2
16	BCR	r	524	-	-	2/29/63/63	0/2/2/2
13	CLA	A	1138	1	1/1/15/20	12/37/115/115	-
13	CLA	f	1218	2	1/1/14/20	7/31/109/115	-
13	CLA	3	501	12	1/1/15/20	6/37/115/115	-
13	CLA	5	509	12	1/1/15/20	12/37/115/115	-
16	BCR	6	523	-	-	4/29/63/63	0/2/2/2
20	SQD	2	822	-	-	13/38/58/69	0/1/1/1
13	CLA	t	507	-	1/1/11/20	6/13/91/115	-
13	CLA	2	510	12	1/1/15/20	9/37/115/115	-
17	LHG	e	5007	-	-	24/51/51/53	-
13	CLA	f	1211	2	1/1/13/20	4/27/105/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	G	1138	1	1/1/15/20	12/37/115/115	-
13	CLA	r	503	12	1/1/15/20	9/37/115/115	-
16	BCR	f	4010	-	-	5/29/63/63	0/2/2/2
16	BCR	t	524	-	-	4/29/63/63	0/2/2/2
13	CLA	b	502	12	1/1/12/20	5/19/97/115	-
17	LHG	A	5006	-	-	24/49/49/53	-
13	CLA	3	517	-	1/1/11/20	7/13/91/115	-
13	CLA	r	516	12	1/1/11/20	8/13/91/115	-
16	BCR	G	4002	-	-	0/29/63/63	0/2/2/2
16	BCR	a	521	-	-	7/29/63/63	0/2/2/2
16	BCR	A	4008	-	-	7/29/63/63	0/2/2/2
13	CLA	K	1401	-	1/1/13/20	8/25/103/115	-
13	CLA	4	513	12	1/1/11/20	7/13/91/115	-
13	CLA	Y	502	12	1/1/14/20	14/31/109/115	-
13	CLA	e	1801	17	1/1/11/20	5/13/91/115	-
13	CLA	d	509	12	1/1/11/20	6/13/91/115	-
13	CLA	G	1125	1	1/1/15/20	14/37/115/115	-
13	CLA	5	519	12	1/1/11/20	8/15/93/115	-
13	CLA	v	510	12	1/1/11/20	7/13/91/115	-
20	SQD	Z	822	-	-	13/38/58/69	0/1/1/1
13	CLA	H	1217	2	1/1/13/20	12/28/106/115	-
13	CLA	e	1112	1	1/1/12/20	3/19/97/115	-
13	CLA	3	507	-	1/1/15/20	13/37/115/115	-
14	PQN	B	2002	-	-	9/23/43/43	0/2/2/2
13	CLA	1	507	-	1/1/14/20	15/31/109/115	-
13	CLA	a	501	12	1/1/15/20	6/37/115/115	-
16	BCR	4	524	-	-	4/29/63/63	0/2/2/2
13	CLA	1	501	12	1/1/15/20	18/37/115/115	-
13	CLA	G	1122	1	1/1/14/20	14/31/109/115	-
13	CLA	B	1239	2	1/1/15/20	15/37/115/115	-
13	CLA	s	510	12	1/1/15/20	17/37/115/115	-
16	BCR	e	4002	-	-	0/29/63/63	0/2/2/2
13	CLA	G	1108	1	1/1/12/20	16/24/102/115	-
13	CLA	4	508	12	1/1/11/20	4/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	LMU	A	1848	-	-	7/21/61/61	0/2/2/2
13	CLA	K	1103	9	1/1/12/20	7/19/97/115	-
13	CLA	H	1231	21	1/1/15/20	8/37/115/115	-
13	CLA	a	517	-	1/1/11/20	7/13/91/115	-
13	CLA	5	506	12	1/1/11/20	5/13/91/115	-
13	CLA	s	506	12	1/1/12/20	5/19/97/115	-
13	CLA	b	505	12	1/1/15/20	11/37/115/115	-
13	CLA	J	1303	8	1/1/15/20	18/37/115/115	-
13	CLA	4	516	12	1/1/11/20	7/13/91/115	-
13	CLA	n	1502	10	1/1/15/20	8/37/115/115	-
18	LMU	G	1848	-	-	7/21/61/61	0/2/2/2
13	CLA	f	1232	21	1/1/12/20	6/19/97/115	-
16	BCR	f	4006	-	-	4/29/63/63	0/2/2/2
13	CLA	3	502	12	1/1/12/20	4/19/97/115	-
13	CLA	d	511	12	1/1/11/20	4/13/91/115	-
16	BCR	s	524	-	-	5/29/63/63	0/2/2/2
13	CLA	4	505	12	1/1/15/20	11/37/115/115	-
13	CLA	e	1103	1	1/1/15/20	20/37/115/115	-
16	BCR	1	521	-	-	7/29/63/63	0/2/2/2
16	BCR	3	524	-	-	5/29/63/63	0/2/2/2
15	SF4	g	3002	3	-	-	0/6/5/5
13	CLA	Y	519	12	1/1/12/20	6/19/97/115	-
13	CLA	s	508	12	1/1/13/20	7/25/103/115	-
13	CLA	1	509	12	1/1/15/20	6/37/115/115	-
13	CLA	a	507	-	1/1/15/20	13/37/115/115	-
13	CLA	G	1237	21	1/1/15/20	18/37/115/115	-
13	CLA	d	506	12	1/1/11/20	5/13/91/115	-
13	CLA	q	506	12	1/1/11/20	6/13/91/115	-
16	BCR	B	4010	-	-	5/29/63/63	0/2/2/2
13	CLA	Z	510	12	1/1/15/20	9/37/115/115	-
13	CLA	Y	518	12	1/1/14/20	15/31/109/115	-
13	CLA	A	1111	1	1/1/15/20	14/37/115/115	-
13	CLA	s	516	12	1/1/11/20	9/13/91/115	-
13	CLA	b	512	12	1/1/11/20	3/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	H	1240	17	-	13/37/115/115	-
13	CLA	4	502	12	1/1/12/20	5/19/97/115	-
20	SQD	4	822	-	-	8/19/39/69	0/1/1/1
20	SQD	v	822	-	-	9/19/39/69	0/1/1/1
13	CLA	G	1106	1	1/1/15/20	21/37/115/115	-
13	CLA	2	509	12	1/1/15/20	6/37/115/115	-
13	CLA	G	1121	1	1/1/13/20	6/25/103/115	-
13	CLA	2	516	12	1/1/11/20	8/13/91/115	-
13	CLA	3	516	12	1/1/11/20	9/13/91/115	-
13	CLA	q	509	12	1/1/15/20	6/37/115/115	-
13	CLA	r	505	12	1/1/15/20	14/37/115/115	-
13	CLA	a	511	12	1/1/12/20	5/19/97/115	-
14	PQN	e	2001	-	-	14/23/43/43	0/2/2/2
16	BCR	G	4008	-	-	7/29/63/63	0/2/2/2
13	CLA	t	516	12	1/1/11/20	7/13/91/115	-
17	LHG	G	5008	-	-	19/39/39/53	-
13	CLA	s	511	12	1/1/12/20	5/19/97/115	-
13	CLA	u	511	12	1/1/13/20	5/25/103/115	-
13	CLA	2	511	12	1/1/13/20	4/25/103/115	-
16	BCR	l	4012	-	-	9/29/63/63	0/2/2/2
13	CLA	t	505	12	1/1/15/20	11/37/115/115	-
13	CLA	e	1138	1	1/1/15/20	12/37/115/115	-
13	CLA	e	1139	21	1/1/15/20	12/37/115/115	-
16	BCR	Z	524	-	-	2/29/63/63	0/2/2/2
13	CLA	A	1115	1	1/1/14/20	10/31/109/115	-
13	CLA	e	1136	1	1/1/14/20	5/31/109/115	-
13	CLA	Y	506	12	1/1/11/20	6/13/91/115	-
13	CLA	3	519	12	1/1/13/20	8/25/103/115	-
13	CLA	B	1232	21	1/1/12/20	6/19/97/115	-
13	CLA	b	519	12	1/1/13/20	12/25/103/115	-
13	CLA	2	513	12	1/1/15/20	15/37/115/115	-
13	CLA	Z	508	12	1/1/13/20	6/25/103/115	-
13	CLA	e	1237	21	1/1/15/20	19/37/115/115	-
13	CLA	s	502	12	1/1/12/20	4/19/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	LMG	l	5104	-	-	17/30/50/70	0/1/1/1
16	BCR	n	4022	-	-	2/29/63/63	0/2/2/2
13	CLA	j	1301	21	1/1/15/20	11/37/115/115	-
13	CLA	B	1223	2	1/1/15/20	14/37/115/115	-
13	CLA	e	1022	21	1/1/15/20	8/37/115/115	-
13	CLA	G	1116	1	1/1/14/20	15/31/109/115	-
13	CLA	Z	516	12	1/1/11/20	8/13/91/115	-
16	BCR	L	4020	-	-	4/29/63/63	0/2/2/2
15	SF4	G	3001	2,1	-	-	0/6/5/5
13	CLA	e	1121	1	1/1/13/20	6/25/103/115	-
13	CLA	G	1130	1	1/1/15/20	7/37/115/115	-
16	BCR	b	523	-	-	5/29/63/63	0/2/2/2
16	BCR	e	4008	-	-	7/29/63/63	0/2/2/2
17	LHG	L	5221	-	-	30/53/53/53	-
13	CLA	e	1111	1	1/1/15/20	14/37/115/115	-
13	CLA	f	1238	21	1/1/15/20	4/37/115/115	-
13	CLA	Z	511	12	1/1/13/20	4/25/103/115	-
16	BCR	a	524	-	-	5/29/63/63	0/2/2/2
13	CLA	e	1117	1	1/1/15/20	12/37/115/115	-
13	CLA	e	1120	1	1/1/12/20	4/23/101/115	-
13	CLA	A	1123	21	1/1/15/20	11/37/115/115	-
13	CLA	B	1238	21	1/1/15/20	4/37/115/115	-
13	CLA	v	505	12	1/1/15/20	15/37/115/115	-
16	BCR	B	4014	-	-	9/29/63/63	0/2/2/2
13	CLA	e	1135	1	1/1/12/20	10/22/100/115	-
13	CLA	2	504	-	1/1/12/20	5/19/97/115	-
13	CLA	b	506	12	1/1/11/20	2/13/91/115	-
20	SQD	H	1852	-	-	19/40/60/69	0/1/1/1
13	CLA	q	503	12	1/1/14/20	9/36/114/115	-
13	CLA	r	513	12	1/1/15/20	15/37/115/115	-
13	CLA	t	501	12	1/1/14/20	12/31/109/115	-
17	LHG	A	5007	-	-	24/51/51/53	-
13	CLA	e	1115	1	1/1/14/20	10/31/109/115	-
17	LHG	n	5218	-	-	23/42/42/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	H	1210	2	1/1/15/20	19/37/115/115	-
13	CLA	t	511	12	1/1/11/20	3/13/91/115	-
16	BCR	m	4104	-	-	2/29/63/63	0/2/2/2
13	CLA	B	1225	2	1/1/15/20	8/37/115/115	-
13	CLA	L	1501	10	1/1/15/20	18/37/115/115	-
13	CLA	q	511	12	1/1/13/20	4/25/103/115	-
16	BCR	J	4012	-	-	9/29/63/63	0/2/2/2
13	CLA	d	510	12	1/1/11/20	7/13/91/115	-
13	CLA	r	519	12	1/1/13/20	9/25/103/115	-
16	BCR	t	522	-	-	4/29/63/63	0/2/2/2
13	CLA	5	505	12	1/1/14/20	16/33/111/115	-
13	CLA	H	1211	2	1/1/13/20	4/27/105/115	-
13	CLA	s	505	12	1/1/15/20	18/37/115/115	-
13	CLA	e	1124	21	1/1/13/20	11/27/105/115	-
13	CLA	t	518	12	1/1/13/20	8/25/103/115	-
16	BCR	A	4011	-	-	12/29/63/63	0/2/2/2
13	CLA	r	517	-	1/1/11/20	4/13/91/115	-
13	CLA	G	1113	1	1/1/11/20	5/13/91/115	-
13	CLA	3	505	12	1/1/15/20	17/37/115/115	-
13	CLA	G	1120	1	1/1/12/20	4/23/101/115	-
13	CLA	Z	502	12	1/1/14/20	11/31/109/115	-
16	BCR	t	523	-	-	5/29/63/63	0/2/2/2
13	CLA	Z	504	-	1/1/12/20	5/19/97/115	-
16	BCR	W	4021	-	-	7/29/63/63	0/2/2/2
16	BCR	r	521	-	-	4/29/63/63	0/2/2/2
16	BCR	r	523	-	-	6/29/63/63	0/2/2/2
13	CLA	a	502	12	1/1/12/20	4/19/97/115	-
13	CLA	s	518	12	1/1/13/20	10/25/103/115	-
13	CLA	e	1101	1	1/1/15/20	13/37/115/115	-
13	CLA	6	502	12	1/1/12/20	5/19/97/115	-
16	BCR	k	4018	-	-	1/29/63/63	0/2/2/2
17	LHG	A	5009	-	-	28/53/53/53	-
14	PQN	H	2002	-	-	9/23/43/43	0/2/2/2
13	CLA	t	506	12	1/1/11/20	2/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	H	4004	-	-	8/29/63/63	0/2/2/2
13	CLA	a	508	12	1/1/13/20	7/25/103/115	-
17	LHG	G	5009	-	-	28/53/53/53	-
13	CLA	v	501	12	1/1/14/20	16/31/109/115	-
16	BCR	n	4219	-	-	2/29/63/63	0/2/2/2
13	CLA	f	1214	2	1/1/15/20	13/37/115/115	-
20	SQD	u	822	-	-	7/24/44/69	0/1/1/1
13	CLA	Y	513	12	1/1/13/20	2/25/103/115	-
13	CLA	t	503	12	1/1/13/20	1/25/103/115	-
13	CLA	A	1140	1	1/1/15/20	11/37/115/115	-
13	CLA	6	503	12	1/1/12/20	8/22/100/115	-
16	BCR	c	523	-	-	4/29/63/63	0/2/2/2
15	SF4	C	3003	3	-	-	0/6/5/5
13	CLA	B	1213	2	1/1/15/20	14/37/115/115	-
13	CLA	H	1205	2	1/1/15/20	10/37/115/115	-
13	CLA	V	1501	10	1/1/15/20	18/37/115/115	-
16	BCR	V	4019	-	-	6/29/63/63	0/2/2/2
17	LHG	G	5004	-	-	21/40/40/53	-
13	CLA	q	513	12	1/1/13/20	2/25/103/115	-
16	BCR	4	523	-	-	5/29/63/63	0/2/2/2
13	CLA	1	519	12	1/1/12/20	6/19/97/115	-
13	CLA	d	502	12	1/1/12/20	5/19/97/115	-
16	BCR	T	4013	-	-	4/29/63/63	0/2/2/2
13	CLA	5	504	-	1/1/11/20	3/13/91/115	-
13	CLA	s	504	-	1/1/11/20	6/13/91/115	-
13	CLA	B	1214	2	1/1/15/20	13/37/115/115	-
17	LHG	e	5009	-	-	28/53/53/53	-
13	CLA	B	1203	2	1/1/15/20	16/37/115/115	-
16	BCR	d	524	-	-	5/29/63/63	0/2/2/2
13	CLA	A	1104	1	1/1/15/20	12/37/115/115	-
16	BCR	V	4022	-	-	2/29/63/63	0/2/2/2
20	SQD	f	1852	-	-	19/40/60/69	0/1/1/1
13	CLA	6	505	12	1/1/15/20	15/37/115/115	-
13	CLA	U	1103	9	1/1/12/20	7/19/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	Y	512	12	1/1/12/20	9/22/100/115	-
13	CLA	v	507	-	1/1/11/20	4/13/91/115	-
13	CLA	2	519	12	1/1/13/20	9/25/103/115	-
13	CLA	d	508	12	1/1/11/20	3/13/91/115	-
16	BCR	o	4021	-	-	7/29/63/63	0/2/2/2
13	CLA	l	1302	8	1/1/13/20	13/29/107/115	-
13	CLA	U	1105	9	1/1/11/20	9/13/91/115	-
13	CLA	e	1114	21	1/1/12/20	2/19/97/115	-
17	LHG	A	5001	-	-	25/53/53/53	-
13	CLA	d	516	12	1/1/11/20	8/13/91/115	-
13	CLA	Z	505	12	1/1/15/20	14/37/115/115	-
13	CLA	q	504	-	1/1/11/20	5/13/91/115	-
13	CLA	B	1240	17	-	13/37/115/115	-
13	CLA	c	501	12	1/1/15/20	19/37/115/115	-
16	BCR	2	523	-	-	6/29/63/63	0/2/2/2
13	CLA	G	1119	21	1/1/15/20	15/37/115/115	-
13	CLA	G	1137	1	1/1/15/20	19/37/115/115	-
13	CLA	c	512	12	1/1/11/20	5/13/91/115	-
13	CLA	G	1123	21	1/1/15/20	11/37/115/115	-
13	CLA	v	517	-	1/1/11/20	9/13/91/115	-
13	CLA	e	1113	1	1/1/11/20	5/13/91/115	-
13	CLA	f	1205	2	1/1/15/20	10/37/115/115	-
16	BCR	t	521	-	-	10/29/63/63	0/2/2/2
13	CLA	R	1302	6	1/1/11/20	8/13/91/115	-
13	CLA	c	517	-	1/1/11/20	9/13/91/115	-
13	CLA	L	1502	10	1/1/15/20	8/37/115/115	-
13	CLA	f	1219	2	1/1/15/20	17/37/115/115	-
13	CLA	B	1012	21	1/1/15/20	16/37/115/115	-
17	LHG	G	5005	-	-	29/49/49/53	-
16	BCR	c	521	-	-	7/29/63/63	0/2/2/2
13	CLA	m	1105	9	1/1/11/20	9/13/91/115	-
13	CLA	t	517	-	1/1/11/20	5/13/91/115	-
13	CLA	v	504	-	1/1/11/20	6/13/91/115	-
16	BCR	G	4011	-	-	12/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	F	4016	-	-	2/29/63/63	0/2/2/2
16	BCR	B	4004	-	-	8/29/63/63	0/2/2/2
13	CLA	t	513	12	1/1/11/20	7/13/91/115	-
16	BCR	H	4010	-	-	5/29/63/63	0/2/2/2
13	CLA	f	1230	2	1/1/14/20	10/31/109/115	-
13	CLA	a	519	12	1/1/13/20	8/25/103/115	-
16	BCR	Z	523	-	-	6/29/63/63	0/2/2/2
16	BCR	H	4014	-	-	9/29/63/63	0/2/2/2
13	CLA	a	516	12	1/1/11/20	9/13/91/115	-
13	CLA	e	1133	1	1/1/15/20	15/37/115/115	-
17	LHG	e	5002	-	-	26/43/43/53	-
13	CLA	r	512	12	1/1/12/20	5/23/101/115	-
13	CLA	A	1105	1	1/1/13/20	6/25/103/115	-
13	CLA	u	503	12	1/1/13/20	10/25/103/115	-
13	CLA	A	1137	1	1/1/15/20	19/37/115/115	-
13	CLA	5	510	12	1/1/11/20	7/13/91/115	-
13	CLA	f	1206	2	1/1/15/20	15/37/115/115	-
13	CLA	a	513	12	1/1/15/20	13/37/115/115	-
13	CLA	J	1302	8	1/1/13/20	13/29/107/115	-
13	CLA	r	509	12	1/1/15/20	6/37/115/115	-
16	BCR	r	522	-	-	6/29/63/63	0/2/2/2
13	CLA	b	513	12	1/1/11/20	7/13/91/115	-
13	CLA	r	502	12	1/1/14/20	11/31/109/115	-
13	CLA	e	1134	1	1/1/13/20	11/27/105/115	-
13	CLA	r	518	12	1/1/15/20	16/37/115/115	-
13	CLA	B	1205	2	1/1/15/20	10/37/115/115	-
13	CLA	B	1236	2	-	3/25/103/115	-
16	BCR	f	4014	-	-	9/29/63/63	0/2/2/2
13	CLA	H	1012	21	1/1/15/20	16/37/115/115	-
13	CLA	f	1021	2	1/1/15/20	11/37/115/115	-
13	CLA	A	1022	21	1/1/15/20	8/37/115/115	-
13	CLA	t	504	-	1/1/11/20	5/13/91/115	-
16	BCR	5	524	-	-	2/29/63/63	0/2/2/2
16	BCR	e	4001	-	-	8/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	1	522	-	-	6/29/63/63	0/2/2/2
13	CLA	B	1210	2	1/1/15/20	19/37/115/115	-
13	CLA	q	512	12	1/1/12/20	10/22/100/115	-
13	CLA	e	1128	1	1/1/15/20	12/37/115/115	-
13	CLA	u	513	12	1/1/11/20	4/13/91/115	-
13	CLA	Z	519	12	1/1/13/20	9/25/103/115	-
13	CLA	a	506	12	1/1/12/20	5/19/97/115	-
13	CLA	6	519	12	1/1/11/20	6/15/93/115	-
17	LHG	G	5006	-	-	24/49/49/53	-
13	CLA	q	510	12	1/1/15/20	11/37/115/115	-
13	CLA	H	1223	2	1/1/15/20	14/37/115/115	-
16	BCR	B	4005	-	-	6/29/63/63	0/2/2/2
17	LHG	n	5220	-	-	24/45/45/53	-
13	CLA	d	505	12	1/1/15/20	15/37/115/115	-
17	LHG	B	1842	13	-	22/43/43/53	-
17	LHG	G	5002	-	-	26/43/43/53	-
16	BCR	6	521	-	-	5/29/63/63	0/2/2/2
17	LHG	I	5001	-	-	22/48/48/53	-
13	CLA	s	512	12	1/1/11/20	3/13/91/115	-
18	LMU	Y	902	-	-	6/10/30/61	0/1/1/2
17	LHG	A	5003	13	-	17/45/45/53	-
13	CLA	l	1303	8	1/1/15/20	18/37/115/115	-
13	CLA	5	516	12	1/1/11/20	2/13/91/115	-
13	CLA	b	504	-	1/1/11/20	5/13/91/115	-
13	CLA	1	508	12	1/1/13/20	9/25/103/115	-
13	CLA	f	1227	2	1/1/15/20	12/37/115/115	-
13	CLA	v	513	12	1/1/11/20	3/13/91/115	-
16	BCR	v	524	-	-	5/29/63/63	0/2/2/2
13	CLA	A	1113	1	1/1/11/20	5/13/91/115	-
16	BCR	q	524	-	-	2/29/63/63	0/2/2/2
13	CLA	d	518	12	1/1/13/20	10/25/103/115	-
13	CLA	A	1132	1	1/1/15/20	15/37/115/115	-
13	CLA	f	1222	21	1/1/14/20	7/31/109/115	-
18	LMU	f	1843	-	-	12/21/61/61	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	SF4	g	3003	3	-	-	0/6/5/5
13	CLA	u	512	12	1/1/11/20	5/13/91/115	-
13	CLA	u	504	-	1/1/11/20	3/13/91/115	-
13	CLA	v	508	12	1/1/11/20	3/13/91/115	-
13	CLA	u	510	12	1/1/11/20	7/13/91/115	-
13	CLA	G	1132	1	1/1/15/20	15/37/115/115	-
13	CLA	Y	505	12	1/1/15/20	11/37/115/115	-
13	CLA	Z	503	12	1/1/15/20	9/37/115/115	-
16	BCR	5	522	-	-	5/29/63/63	0/2/2/2
16	BCR	d	523	-	-	4/29/63/63	0/2/2/2
13	CLA	q	516	12	1/1/11/20	13/13/91/115	-
13	CLA	Z	506	12	1/1/13/20	8/25/103/115	-
20	SQD	r	822	-	-	13/38/58/69	0/1/1/1
13	CLA	Y	503	12	1/1/14/20	9/36/114/115	-
13	CLA	5	518	12	1/1/13/20	11/25/103/115	-
15	SF4	e	3001	2,1	-	-	0/6/5/5
13	CLA	G	1105	1	1/1/13/20	6/25/103/115	-
13	CLA	H	1219	2	1/1/15/20	17/37/115/115	-
13	CLA	f	1225	2	1/1/15/20	7/37/115/115	-
13	CLA	v	511	12	1/1/11/20	4/13/91/115	-
13	CLA	c	516	12	1/1/11/20	2/13/91/115	-
18	LMU	A	1849	-	-	6/14/34/61	0/1/1/2
13	CLA	B	1206	2	1/1/15/20	15/37/115/115	-
13	CLA	s	503	12	1/1/15/20	7/37/115/115	-
13	CLA	e	1131	1	1/1/15/20	6/37/115/115	-
14	PQN	G	2001	-	-	14/23/43/43	0/2/2/2
13	CLA	H	1203	2	1/1/15/20	16/37/115/115	-
16	BCR	V	4219	-	-	2/29/63/63	0/2/2/2
13	CLA	A	1136	1	1/1/14/20	5/31/109/115	-
13	CLA	e	1122	1	1/1/14/20	14/31/109/115	-
13	CLA	3	510	12	1/1/15/20	17/37/115/115	-
13	CLA	f	1201	2	1/1/14/20	11/31/109/115	-
13	CLA	G	1104	1	1/1/15/20	12/37/115/115	-
16	BCR	S	4018	-	-	1/29/63/63	0/2/2/2
13	CLA	v	502	12	1/1/12/20	5/19/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	q	502	12	1/1/14/20	14/31/109/115	-
13	CLA	q	518	12	1/1/14/20	15/31/109/115	-
15	SF4	N	3003	3	-	-	0/6/5/5
13	CLA	1	512	12	1/1/12/20	10/22/100/115	-
13	CLA	G	1136	1	1/1/14/20	5/31/109/115	-
13	CLA	B	1209	2	1/1/12/20	8/22/100/115	-
13	CLA	v	509	12	1/1/11/20	6/13/91/115	-
16	BCR	1	524	-	-	2/29/63/63	0/2/2/2
13	CLA	a	512	12	1/1/11/20	3/13/91/115	-
16	BCR	T	4015	-	-	5/29/63/63	0/2/2/2
13	CLA	3	512	12	1/1/11/20	3/13/91/115	-
13	CLA	B	1229	2	1/1/15/20	13/37/115/115	-
13	CLA	a	510	12	1/1/15/20	17/37/115/115	-
13	CLA	f	1012	21	1/1/15/20	16/37/115/115	-
13	CLA	f	1208	2	1/1/15/20	15/37/115/115	-
13	CLA	6	512	12	1/1/11/20	6/13/91/115	-
16	BCR	b	522	-	-	4/29/63/63	0/2/2/2
16	BCR	G	4003	-	-	0/29/63/63	0/2/2/2
13	CLA	b	518	12	1/1/13/20	8/25/103/115	-
13	CLA	c	508	12	1/1/11/20	4/13/91/115	-
16	BCR	v	523	-	-	4/29/63/63	0/2/2/2
13	CLA	f	1207	2	1/1/15/20	14/37/115/115	-
16	BCR	Y	522	-	-	6/29/63/63	0/2/2/2
13	CLA	3	503	12	1/1/15/20	7/37/115/115	-
13	CLA	T	1302	8	1/1/13/20	13/29/107/115	-
13	CLA	e	1140	1	1/1/15/20	11/37/115/115	-
13	CLA	B	1227	2	1/1/15/20	12/37/115/115	-
13	CLA	1	516	12	1/1/11/20	13/13/91/115	-
13	CLA	f	1221	21	1/1/15/20	14/37/115/115	-
20	SQD	5	822	-	-	7/24/44/69	0/1/1/1
20	SQD	s	822	-	-	21/38/58/69	0/1/1/1
16	BCR	J	4013	-	-	4/29/63/63	0/2/2/2
13	CLA	H	1213	2	1/1/15/20	14/37/115/115	-
13	CLA	B	1222	21	1/1/14/20	7/31/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	SQD	t	822	-	-	8/19/39/69	0/1/1/1
14	PQN	A	2001	-	-	14/23/43/43	0/2/2/2
13	CLA	f	1215	2	1/1/15/20	19/37/115/115	-
16	BCR	B	4017	-	-	2/29/63/63	0/2/2/2
17	LHG	e	5008	-	-	19/39/39/53	-
13	CLA	e	1119	21	1/1/15/20	15/37/115/115	-
13	CLA	B	1235	2	1/1/15/20	6/37/115/115	-
13	CLA	6	511	12	1/1/11/20	4/13/91/115	-
13	CLA	G	1107	1	1/1/15/20	14/37/115/115	-
13	CLA	A	1126	1	1/1/15/20	18/37/115/115	-
13	CLA	H	1209	2	1/1/12/20	8/22/100/115	-
13	CLA	A	1127	1	1/1/15/20	12/37/115/115	-
13	CLA	q	501	12	1/1/15/20	18/37/115/115	-
13	CLA	a	518	12	1/1/13/20	10/25/103/115	-
16	BCR	c	522	-	-	5/29/63/63	0/2/2/2
20	SQD	q	822	-	-	20/43/63/69	0/1/1/1
16	BCR	u	524	-	-	2/29/63/63	0/2/2/2
13	CLA	B	1021	2	1/1/15/20	10/37/115/115	-
16	BCR	B	4009	-	-	1/29/63/63	0/2/2/2
13	CLA	l	502	12	1/1/14/20	14/31/109/115	-
13	CLA	G	1127	1	1/1/15/20	12/37/115/115	-
13	CLA	c	518	12	1/1/13/20	11/25/103/115	-
13	CLA	4	519	12	1/1/13/20	12/25/103/115	-
13	CLA	e	1102	1	1/1/15/20	11/37/115/115	-
13	CLA	e	1106	1	1/1/15/20	21/37/115/115	-
15	SF4	N	3002	3	-	-	0/6/5/5
13	CLA	A	1128	1	1/1/15/20	12/37/115/115	-
13	CLA	B	1208	2	1/1/15/20	15/37/115/115	-
13	CLA	A	1102	1	1/1/15/20	11/37/115/115	-
13	CLA	j	1302	6	1/1/11/20	8/13/91/115	-
13	CLA	n	1501	10	1/1/15/20	18/37/115/115	-
13	CLA	r	501	12	1/1/15/20	12/37/115/115	-
13	CLA	t	509	12	1/1/15/20	7/37/115/115	-
16	BCR	a	523	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	LHG	G	5001	-	-	25/53/53/53	-
13	CLA	b	501	12	1/1/14/20	12/31/109/115	-
13	CLA	2	502	12	1/1/14/20	11/31/109/115	-
16	BCR	n	4019	-	-	6/29/63/63	0/2/2/2
13	CLA	A	1134	1	1/1/13/20	11/27/105/115	-
18	LMU	l	5105	-	-	8/13/33/61	0/1/1/2
16	BCR	e	4011	-	-	13/29/63/63	0/2/2/2
13	CLA	u	516	12	1/1/11/20	2/13/91/115	-
17	LHG	f	1842	13	-	22/43/43/53	-
17	LHG	G	5003	13	-	16/45/45/53	-
13	CLA	H	1238	21	1/1/15/20	4/37/115/115	-
13	CLA	3	506	12	1/1/12/20	5/19/97/115	-
17	LHG	f	1855	-	-	28/48/48/53	-
13	CLA	r	511	12	1/1/13/20	4/25/103/115	-
13	CLA	f	1223	2	1/1/15/20	14/37/115/115	-
20	SQD	L	5216	-	-	17/46/66/69	0/1/1/1
13	CLA	b	503	12	1/1/13/20	1/25/103/115	-
13	CLA	2	512	12	1/1/12/20	5/23/101/115	-
13	CLA	A	1135	1	1/1/12/20	10/22/100/115	-
13	CLA	G	1013	-	1/1/15/20	11/37/115/115	-
13	CLA	5	507	-	1/1/11/20	5/13/91/115	-
13	CLA	2	508	12	1/1/13/20	6/25/103/115	-
17	LHG	G	5007	-	-	24/51/51/53	-
13	CLA	F	1301	21	1/1/15/20	11/37/115/115	-
13	CLA	4	506	12	1/1/11/20	2/13/91/115	-
13	CLA	B	1220	2	1/1/13/20	9/25/103/115	-
13	CLA	B	1207	2	1/1/15/20	14/37/115/115	-
13	CLA	2	505	12	1/1/15/20	14/37/115/115	-
20	SQD	3	822	-	-	21/38/58/69	0/1/1/1
13	CLA	B	1221	21	1/1/15/20	14/37/115/115	-
13	CLA	F	1302	6	1/1/11/20	8/13/91/115	-
13	CLA	e	1011	1	1/1/15/20	10/37/115/115	-
13	CLA	f	1204	2	1/1/15/20	12/37/115/115	-
13	CLA	q	505	12	1/1/15/20	11/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	H	4006	-	-	4/29/63/63	0/2/2/2
16	BCR	Y	521	-	-	6/29/63/63	0/2/2/2
18	LMU	B	1843	-	-	12/21/61/61	0/2/2/2
20	SQD	1	822	-	-	20/43/63/69	0/1/1/1
16	BCR	A	4007	-	-	0/29/63/63	0/2/2/2
15	SF4	A	3001	2,1	-	-	0/6/5/5
16	BCR	5	523	-	-	4/29/63/63	0/2/2/2
13	CLA	c	519	12	1/1/11/20	8/15/93/115	-
16	BCR	G	4007	-	-	0/29/63/63	0/2/2/2
13	CLA	f	1216	21	1/1/14/20	5/31/109/115	-
13	CLA	G	1118	1	1/1/14/20	12/31/109/115	-
16	BCR	e	4007	-	-	0/29/63/63	0/2/2/2
13	CLA	H	1239	2	1/1/15/20	15/37/115/115	-
16	BCR	s	522	-	-	5/29/63/63	0/2/2/2
13	CLA	H	1206	2	1/1/15/20	15/37/115/115	-
16	BCR	f	4005	-	-	6/29/63/63	0/2/2/2
13	CLA	A	1801	17	1/1/11/20	5/13/91/115	-
13	CLA	H	1230	2	1/1/14/20	10/31/109/115	-
13	CLA	Y	501	12	1/1/15/20	18/37/115/115	-
13	CLA	H	1236	2	-	3/25/103/115	-
13	CLA	u	505	12	1/1/14/20	16/33/111/115	-
13	CLA	A	1121	1	1/1/13/20	6/25/103/115	-
17	LHG	A	5008	-	-	19/39/39/53	-
13	CLA	b	517	-	1/1/11/20	5/13/91/115	-
13	CLA	G	1128	1	1/1/15/20	12/37/115/115	-
16	BCR	q	523	-	-	6/29/63/63	0/2/2/2
13	CLA	a	503	12	1/1/15/20	7/37/115/115	-
13	CLA	5	501	12	1/1/15/20	19/37/115/115	-
13	CLA	f	1023	-	1/1/15/20	10/37/115/115	-
16	BCR	u	522	-	-	5/29/63/63	0/2/2/2
13	CLA	e	1108	1	1/1/12/20	16/24/102/115	-
20	SQD	b	822	-	-	8/19/39/69	0/1/1/1
18	LMU	H	1843	-	-	12/21/61/61	0/2/2/2
13	CLA	Y	517	-	1/1/11/20	4/13/91/115	-
13	CLA	B	1226	2	1/1/15/20	12/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	5	511	12	1/1/13/20	5/25/103/115	-
13	CLA	c	506	12	1/1/11/20	5/13/91/115	-
13	CLA	G	1114	21	1/1/12/20	2/19/97/115	-
13	CLA	Y	504	-	1/1/11/20	5/13/91/115	-
13	CLA	e	1118	1	1/1/14/20	12/31/109/115	-
13	CLA	u	509	12	1/1/15/20	12/37/115/115	-
13	CLA	5	517	-	1/1/11/20	9/13/91/115	-
16	BCR	b	521	-	-	10/29/63/63	0/2/2/2
13	CLA	1	505	12	1/1/15/20	11/37/115/115	-
18	LMU	e	1848	-	-	7/21/61/61	0/2/2/2
13	CLA	b	507	-	1/1/11/20	6/13/91/115	-
17	LHG	L	5218	-	-	23/42/42/53	-
17	LHG	L	5220	-	-	24/45/45/53	-
18	LMU	e	1849	-	-	6/14/34/61	0/1/1/2
13	CLA	G	1124	21	1/1/13/20	11/27/105/115	-
13	CLA	Z	512	12	1/1/12/20	5/23/101/115	-
13	CLA	H	1227	2	1/1/15/20	12/37/115/115	-
17	LHG	n	5221	-	-	30/53/53/53	-
16	BCR	s	523	-	-	4/29/63/63	0/2/2/2
13	CLA	B	1202	2	1/1/15/20	13/37/115/115	-
16	BCR	4	521	-	-	10/29/63/63	0/2/2/2
13	CLA	f	1209	2	1/1/12/20	8/22/100/115	-
13	CLA	6	513	12	1/1/11/20	3/13/91/115	-
13	CLA	B	1234	2	1/1/15/20	13/37/115/115	-
17	LHG	e	5006	-	-	24/49/49/53	-
13	CLA	H	1235	2	1/1/15/20	6/37/115/115	-
13	CLA	a	505	12	1/1/15/20	17/37/115/115	-
13	CLA	v	516	12	1/1/11/20	8/13/91/115	-
13	CLA	5	503	12	1/1/13/20	10/25/103/115	-
13	CLA	A	1114	21	1/1/12/20	2/19/97/115	-
13	CLA	1	518	12	1/1/14/20	15/31/109/115	-
13	CLA	f	1203	2	1/1/15/20	16/37/115/115	-
13	CLA	G	1011	1	1/1/15/20	10/37/115/115	-
13	CLA	G	1134	1	1/1/13/20	11/27/105/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	e	1109	1	1/1/15/20	9/37/115/115	-
13	CLA	B	1218	2	1/1/14/20	7/31/109/115	-
13	CLA	G	1126	1	1/1/15/20	18/37/115/115	-
16	BCR	1	523	-	-	6/29/63/63	0/2/2/2
13	CLA	B	1216	21	1/1/14/20	5/31/109/115	-
13	CLA	b	510	12	1/1/12/20	5/19/97/115	-
16	BCR	6	522	-	-	5/29/63/63	0/2/2/2
13	CLA	1	503	12	1/1/14/20	9/36/114/115	-
17	LHG	V	5220	-	-	24/45/45/53	-
20	SQD	d	822	-	-	9/19/39/69	0/1/1/1
13	CLA	6	518	12	1/1/13/20	10/25/103/115	-
13	CLA	Y	516	12	1/1/11/20	13/13/91/115	-
17	LHG	V	5221	-	-	30/53/53/53	-
16	BCR	3	523	-	-	4/29/63/63	0/2/2/2
17	LHG	e	5004	-	-	21/40/40/53	-
13	CLA	A	1103	1	1/1/15/20	20/37/115/115	-
16	BCR	B	4006	-	-	4/29/63/63	0/2/2/2
16	BCR	J	4015	-	-	5/29/63/63	0/2/2/2
13	CLA	4	507	-	1/1/11/20	6/13/91/115	-
16	BCR	q	521	-	-	7/29/63/63	0/2/2/2
13	CLA	2	503	12	1/1/15/20	9/37/115/115	-
13	CLA	A	1122	1	1/1/14/20	14/31/109/115	-
13	CLA	e	1137	1	1/1/15/20	19/37/115/115	-
13	CLA	A	1108	1	1/1/12/20	16/24/102/115	-
13	CLA	3	518	12	1/1/13/20	10/25/103/115	-
17	LHG	B	1855	-	-	28/48/48/53	-
13	CLA	4	512	12	1/1/11/20	3/13/91/115	-
13	CLA	d	512	12	1/1/11/20	6/13/91/115	-
13	CLA	G	1117	1	1/1/15/20	12/37/115/115	-
13	CLA	d	504	-	1/1/11/20	6/13/91/115	-
13	CLA	f	1226	2	1/1/15/20	12/37/115/115	-
13	CLA	f	1220	2	1/1/13/20	9/25/103/115	-
13	CLA	3	511	12	1/1/12/20	5/19/97/115	-
13	CLA	4	510	12	1/1/12/20	5/19/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	Y	509	12	1/1/15/20	6/37/115/115	-
13	CLA	e	1126	1	1/1/15/20	18/37/115/115	-
13	CLA	v	512	12	1/1/11/20	6/13/91/115	-
20	SQD	B	1852	-	-	19/40/60/69	0/1/1/1
13	CLA	B	1230	2	1/1/14/20	10/31/109/115	-
16	BCR	K	4104	-	-	2/29/63/63	0/2/2/2
16	BCR	j	4016	-	-	2/29/63/63	0/2/2/2
13	CLA	B	1204	2	1/1/15/20	12/37/115/115	-
13	CLA	5	513	12	1/1/11/20	4/13/91/115	-
13	CLA	G	1140	1	1/1/15/20	11/37/115/115	-
13	CLA	e	1105	1	1/1/13/20	6/25/103/115	-
16	BCR	f	4009	-	-	1/29/63/63	0/2/2/2
13	CLA	l	517	-	1/1/11/20	4/13/91/115	-
13	CLA	H	1023	-	1/1/15/20	10/37/115/115	-
16	BCR	u	521	-	-	7/29/63/63	0/2/2/2
13	CLA	G	1135	1	1/1/12/20	10/22/100/115	-
16	BCR	R	4016	-	-	2/29/63/63	0/2/2/2
16	BCR	u	523	-	-	4/29/63/63	0/2/2/2
16	BCR	v	521	-	-	5/29/63/63	0/2/2/2
13	CLA	t	510	12	1/1/12/20	5/19/97/115	-
13	CLA	H	1221	21	1/1/15/20	14/37/115/115	-
13	CLA	H	1222	21	1/1/14/20	7/31/109/115	-
13	CLA	b	511	12	1/1/11/20	3/13/91/115	-
17	LHG	e	5001	-	-	25/53/53/53	-
13	CLA	l	506	12	1/1/11/20	6/13/91/115	-
16	BCR	H	4017	-	-	2/29/63/63	0/2/2/2
13	CLA	a	504	-	1/1/11/20	6/13/91/115	-
19	LMG	f	5002	-	-	24/49/69/70	0/1/1/1
13	CLA	d	519	12	1/1/11/20	6/15/93/115	-
13	CLA	q	517	-	1/1/11/20	4/13/91/115	-
16	BCR	q	522	-	-	6/29/63/63	0/2/2/2
13	CLA	l	504	-	1/1/11/20	5/13/91/115	-
13	CLA	m	1103	9	1/1/12/20	7/19/97/115	-
13	CLA	H	1021	2	1/1/15/20	11/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	f	1213	2	1/1/15/20	14/37/115/115	-
13	CLA	A	1112	1	1/1/12/20	3/19/97/115	-
13	CLA	4	501	12	1/1/14/20	12/31/109/115	-
13	CLA	u	501	12	1/1/15/20	19/37/115/115	-
13	CLA	3	504	-	1/1/11/20	6/13/91/115	-
16	BCR	L	4022	-	-	2/29/63/63	0/2/2/2
18	LMU	Z	901	-	-	8/14/34/61	0/1/1/2
16	BCR	2	521	-	-	4/29/63/63	0/2/2/2
13	CLA	c	509	12	1/1/15/20	12/37/115/115	-
16	BCR	3	521	-	-	7/29/63/63	0/2/2/2
13	CLA	G	1112	1	1/1/12/20	3/19/97/115	-
16	BCR	c	524	-	-	2/29/63/63	0/2/2/2
16	BCR	A	4002	-	-	0/29/63/63	0/2/2/2
18	LMU	T	5105	-	-	8/13/33/61	0/1/1/2
13	CLA	n	1503	21	1/1/14/20	10/31/109/115	-
13	CLA	4	517	-	1/1/11/20	5/13/91/115	-
13	CLA	G	1103	1	1/1/15/20	20/37/115/115	-
13	CLA	H	1216	21	1/1/14/20	5/31/109/115	-
13	CLA	u	517	-	1/1/11/20	9/13/91/115	-
16	BCR	f	4004	-	-	8/29/63/63	0/2/2/2
13	CLA	c	510	12	1/1/11/20	7/13/91/115	-
13	CLA	L	1503	21	1/1/14/20	10/31/109/115	-
16	BCR	L	4019	-	-	6/29/63/63	0/2/2/2
13	CLA	b	509	12	1/1/15/20	7/37/115/115	-
13	CLA	V	1503	21	1/1/14/20	10/31/109/115	-
13	CLA	G	1131	1	1/1/15/20	6/37/115/115	-
17	LHG	H	1842	13	-	22/43/43/53	-
13	CLA	t	502	12	1/1/12/20	5/19/97/115	-
16	BCR	d	522	-	-	5/29/63/63	0/2/2/2
17	LHG	k	5001	-	-	22/48/48/53	-
20	SQD	Y	822	-	-	20/43/63/69	0/1/1/1
13	CLA	4	509	12	1/1/15/20	7/37/115/115	-
13	CLA	f	1224	2	1/1/14/20	13/31/109/115	-
13	CLA	c	511	12	1/1/13/20	5/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	LMU	r	901	-	-	8/14/34/61	0/1/1/2
13	CLA	6	501	12	1/1/14/20	16/31/109/115	-
16	BCR	Z	521	-	-	4/29/63/63	0/2/2/2
13	CLA	f	1240	17	-	13/37/115/115	-
13	CLA	6	510	12	1/1/11/20	7/13/91/115	-
13	CLA	H	1207	2	1/1/15/20	14/37/115/115	-
16	BCR	T	4012	-	-	9/29/63/63	0/2/2/2
15	SF4	C	3002	3	-	-	0/6/5/5
13	CLA	e	1132	1	1/1/15/20	15/37/115/115	-
16	BCR	e	4003	-	-	0/29/63/63	0/2/2/2
13	CLA	r	506	12	1/1/13/20	8/25/103/115	-
13	CLA	l	513	12	1/1/13/20	2/25/103/115	-
13	CLA	c	513	12	1/1/11/20	4/13/91/115	-
20	SQD	n	5216	-	-	17/46/66/69	0/1/1/1
13	CLA	6	517	-	1/1/11/20	9/13/91/115	-
19	LMG	T	5104	-	-	17/30/50/70	0/1/1/1
20	SQD	c	822	-	-	7/24/44/69	0/1/1/1
16	BCR	l	4015	-	-	5/29/63/63	0/2/2/2
13	CLA	Z	507	-	1/1/15/20	14/37/115/115	-
13	CLA	s	509	12	1/1/15/20	4/37/115/115	-
13	CLA	B	1228	2	1/1/13/20	8/25/103/115	-
19	LMG	B	5002	-	-	24/49/69/70	0/1/1/1
13	CLA	l	510	12	1/1/15/20	11/37/115/115	-
13	CLA	e	1125	1	1/1/15/20	14/37/115/115	-
13	CLA	G	1102	1	1/1/15/20	11/37/115/115	-
13	CLA	R	1301	21	1/1/15/20	11/37/115/115	-
13	CLA	e	1013	-	1/1/15/20	11/37/115/115	-
16	BCR	A	4001	-	-	8/29/63/63	0/2/2/2
13	CLA	t	508	12	1/1/11/20	4/13/91/115	-
13	CLA	H	1225	2	1/1/15/20	7/37/115/115	-
13	CLA	e	1107	1	1/1/15/20	14/37/115/115	-
13	CLA	G	1111	1	1/1/15/20	14/37/115/115	-
13	CLA	6	507	-	1/1/11/20	4/13/91/115	-
18	LMU	J	5105	-	-	8/13/33/61	0/1/1/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	1	511	12	1/1/13/20	4/25/103/115	-
13	CLA	e	1104	1	1/1/15/20	12/37/115/115	-
13	CLA	f	1229	2	1/1/15/20	13/37/115/115	-
13	CLA	6	506	12	1/1/11/20	5/13/91/115	-
13	CLA	3	509	12	1/1/15/20	4/37/115/115	-
13	CLA	s	519	12	1/1/13/20	8/25/103/115	-
13	CLA	d	503	12	1/1/12/20	8/22/100/115	-
13	CLA	v	503	12	1/1/12/20	8/22/100/115	-
13	CLA	s	513	12	1/1/15/20	13/37/115/115	-
13	CLA	3	508	12	1/1/13/20	7/25/103/115	-
13	CLA	H	1226	2	1/1/15/20	12/37/115/115	-
20	SQD	V	5216	-	-	17/46/66/69	0/1/1/1
13	CLA	f	1235	2	1/1/15/20	6/37/115/115	-
13	CLA	G	1115	1	1/1/14/20	10/31/109/115	-
13	CLA	4	518	12	1/1/13/20	8/25/103/115	-
13	CLA	A	1129	1	1/1/12/20	5/21/99/115	-
13	CLA	B	1212	2	1/1/13/20	11/25/103/115	-
13	CLA	4	511	12	1/1/11/20	3/13/91/115	-
13	CLA	A	1120	1	1/1/12/20	4/23/101/115	-
13	CLA	B	1023	-	1/1/15/20	10/37/115/115	-
13	CLA	H	1208	2	1/1/15/20	15/37/115/115	-
13	CLA	H	1228	2	1/1/13/20	8/25/103/115	-
13	CLA	f	1210	2	1/1/15/20	19/37/115/115	-
13	CLA	H	1229	2	1/1/15/20	13/37/115/115	-
13	CLA	c	505	12	1/1/14/20	16/33/111/115	-
13	CLA	f	1212	2	1/1/13/20	11/25/103/115	-
13	CLA	G	1129	1	1/1/12/20	5/21/99/115	-
13	CLA	u	507	-	1/1/11/20	5/13/91/115	-
13	CLA	B	1224	2	1/1/14/20	13/31/109/115	-
18	LMU	q	902	-	-	6/10/30/61	0/1/1/2
13	CLA	H	1202	2	1/1/15/20	13/37/115/115	-
17	LHG	A	5002	-	-	26/43/43/53	-
17	LHG	A	5005	-	-	29/49/49/53	-
18	LMU	2	901	-	-	8/14/34/61	0/1/1/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	a	522	-	-	5/29/63/63	0/2/2/2
13	CLA	A	1119	21	1/1/15/20	15/37/115/115	-
13	CLA	H	1204	2	1/1/15/20	12/37/115/115	-
13	CLA	e	1123	21	1/1/15/20	11/37/115/115	-
13	CLA	A	1139	21	1/1/15/20	12/37/115/115	-
13	CLA	3	513	12	1/1/15/20	13/37/115/115	-
13	CLA	H	1234	2	1/1/15/20	13/37/115/115	-
13	CLA	a	509	12	1/1/15/20	4/37/115/115	-
16	BCR	6	524	-	-	5/29/63/63	0/2/2/2
13	CLA	G	1139	21	1/1/15/20	12/37/115/115	-
13	CLA	A	1237	21	1/1/15/20	19/37/115/115	-
13	CLA	Z	501	12	1/1/15/20	12/37/115/115	-
13	CLA	f	1217	2	1/1/13/20	12/28/106/115	-
13	CLA	f	1231	21	1/1/15/20	8/37/115/115	-
13	CLA	e	1127	1	1/1/15/20	12/37/115/115	-
13	CLA	H	1218	2	1/1/14/20	7/31/109/115	-
13	CLA	V	1502	10	1/1/15/20	8/37/115/115	-
16	BCR	v	522	-	-	5/29/63/63	0/2/2/2
16	BCR	3	522	-	-	5/29/63/63	0/2/2/2
13	CLA	K	1105	9	1/1/11/20	9/13/91/115	-
17	LHG	S	5001	-	-	22/48/48/53	-
13	CLA	v	518	12	1/1/13/20	10/25/103/115	-
13	CLA	A	1106	1	1/1/15/20	21/37/115/115	-
13	CLA	e	1129	1	1/1/12/20	5/21/99/115	-
13	CLA	A	1013	-	1/1/15/20	11/37/115/115	-
13	CLA	e	1116	1	1/1/14/20	15/31/109/115	-

All (4509) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	2002	PQN	C12-C13	8.71	1.53	1.33
14	f	2002	PQN	C12-C13	8.70	1.53	1.33
14	H	2002	PQN	C12-C13	8.70	1.53	1.33
14	G	2001	PQN	C12-C13	8.66	1.53	1.33
14	e	2001	PQN	C12-C13	8.66	1.53	1.33
14	A	2001	PQN	C12-C13	8.65	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	d	513	CLA	C4B-NB	7.88	1.42	1.35
13	6	513	CLA	C4B-NB	7.85	1.42	1.35
14	f	2002	PQN	O1-C1	7.82	1.39	1.23
14	B	2002	PQN	O1-C1	7.81	1.39	1.23
14	G	2001	PQN	O1-C1	7.78	1.39	1.23
14	H	2002	PQN	O1-C1	7.77	1.39	1.23
14	e	2001	PQN	O1-C1	7.77	1.39	1.23
14	A	2001	PQN	O1-C1	7.75	1.39	1.23
13	v	513	CLA	C4B-NB	7.74	1.42	1.35
13	u	513	CLA	C4B-NB	7.69	1.42	1.35
13	a	508	CLA	C4B-NB	7.65	1.42	1.35
13	H	1209	CLA	C4B-NB	7.64	1.42	1.35
13	5	513	CLA	C4B-NB	7.63	1.42	1.35
13	t	512	CLA	C4B-NB	7.62	1.42	1.35
13	f	1209	CLA	C4B-NB	7.61	1.42	1.35
13	B	1209	CLA	C4B-NB	7.61	1.42	1.35
13	c	513	CLA	C4B-NB	7.61	1.42	1.35
13	4	512	CLA	C4B-NB	7.59	1.42	1.35
13	c	517	CLA	C4B-NB	7.58	1.42	1.35
13	v	517	CLA	C4B-NB	7.58	1.42	1.35
13	d	510	CLA	C4B-NB	7.58	1.42	1.35
13	v	510	CLA	C4B-NB	7.58	1.42	1.35
13	3	508	CLA	C4B-NB	7.58	1.42	1.35
13	t	506	CLA	C4B-NB	7.57	1.42	1.35
13	5	517	CLA	C4B-NB	7.57	1.42	1.35
13	b	512	CLA	C4B-NB	7.57	1.42	1.35
13	b	513	CLA	C4B-NB	7.57	1.42	1.35
13	6	510	CLA	C4B-NB	7.56	1.42	1.35
13	q	501	CLA	C4B-NB	7.56	1.42	1.35
14	e	2001	PQN	O4-C4	7.56	1.39	1.23
13	5	502	CLA	C4B-NB	7.56	1.42	1.35
14	A	2001	PQN	O4-C4	7.56	1.39	1.23
13	6	516	CLA	C4B-NB	7.56	1.41	1.35
13	d	516	CLA	C4B-NB	7.56	1.41	1.35
13	4	506	CLA	C4B-NB	7.55	1.41	1.35
13	Y	504	CLA	C4B-NB	7.54	1.41	1.35
13	4	513	CLA	C4B-NB	7.54	1.41	1.35
13	c	503	CLA	C4B-NB	7.53	1.41	1.35
13	c	502	CLA	C4B-NB	7.53	1.41	1.35
13	u	517	CLA	C4B-NB	7.53	1.41	1.35
14	G	2001	PQN	O4-C4	7.53	1.39	1.23
13	H	1236	CLA	C4B-NB	7.53	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	r	513	CLA	C4B-NB	7.52	1.41	1.35
13	s	508	CLA	C4B-NB	7.50	1.41	1.35
13	e	1101	CLA	C4B-NB	7.50	1.41	1.35
13	Z	504	CLA	C4B-NB	7.49	1.41	1.35
13	q	504	CLA	C4B-NB	7.49	1.41	1.35
13	b	506	CLA	C4B-NB	7.49	1.41	1.35
13	v	506	CLA	C4B-NB	7.49	1.41	1.35
13	t	513	CLA	C4B-NB	7.49	1.41	1.35
13	6	517	CLA	C4B-NB	7.48	1.41	1.35
13	2	513	CLA	C4B-NB	7.48	1.41	1.35
13	d	517	CLA	C4B-NB	7.48	1.41	1.35
13	1	501	CLA	C4B-NB	7.48	1.41	1.35
13	Z	513	CLA	C4B-NB	7.48	1.41	1.35
13	v	503	CLA	C4B-NB	7.47	1.41	1.35
13	B	1236	CLA	C4B-NB	7.47	1.41	1.35
13	Y	501	CLA	C4B-NB	7.46	1.41	1.35
13	t	501	CLA	C4B-NB	7.46	1.41	1.35
13	1	504	CLA	C4B-NB	7.46	1.41	1.35
13	A	1101	CLA	C4B-NB	7.46	1.41	1.35
13	f	1236	CLA	C4B-NB	7.46	1.41	1.35
13	u	502	CLA	C4B-NB	7.46	1.41	1.35
13	u	506	CLA	C4B-NB	7.46	1.41	1.35
13	v	512	CLA	C4B-NB	7.46	1.41	1.35
13	a	506	CLA	C4B-NB	7.45	1.41	1.35
13	4	517	CLA	C4B-NB	7.45	1.41	1.35
13	a	511	CLA	C4B-NB	7.45	1.41	1.35
13	b	503	CLA	C4B-NB	7.45	1.41	1.35
13	t	511	CLA	C4B-NB	7.45	1.41	1.35
13	2	504	CLA	C4B-NB	7.45	1.41	1.35
13	3	511	CLA	C4B-NB	7.45	1.41	1.35
13	Y	513	CLA	C4B-NB	7.45	1.41	1.35
13	v	516	CLA	C4B-NB	7.45	1.41	1.35
13	u	503	CLA	C4B-NB	7.44	1.41	1.35
13	5	503	CLA	C4B-NB	7.44	1.41	1.35
13	6	503	CLA	C4B-NB	7.44	1.41	1.35
13	6	512	CLA	C4B-NB	7.44	1.41	1.35
13	q	517	CLA	C4B-NB	7.44	1.41	1.35
13	r	504	CLA	C4B-NB	7.44	1.41	1.35
13	b	501	CLA	C4B-NB	7.44	1.41	1.35
13	s	511	CLA	C4B-NB	7.44	1.41	1.35
13	u	516	CLA	C4B-NB	7.44	1.41	1.35
13	d	506	CLA	C4B-NB	7.44	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	b	517	CLA	C4B-NB	7.43	1.41	1.35
13	b	511	CLA	C4B-NB	7.43	1.41	1.35
13	4	511	CLA	C4B-NB	7.43	1.41	1.35
14	H	2002	PQN	O4-C4	7.43	1.38	1.23
13	b	502	CLA	C4B-NB	7.42	1.41	1.35
13	6	506	CLA	C4B-NB	7.41	1.41	1.35
13	G	1101	CLA	C4B-NB	7.41	1.41	1.35
13	d	519	CLA	C4B-NB	7.41	1.41	1.35
13	t	504	CLA	C4B-NB	7.41	1.41	1.35
14	f	2002	PQN	O4-C4	7.41	1.38	1.23
14	B	2002	PQN	O4-C4	7.41	1.38	1.23
13	d	512	CLA	C4B-NB	7.41	1.41	1.35
13	Y	517	CLA	C4B-NB	7.41	1.41	1.35
13	u	511	CLA	C4B-NB	7.40	1.41	1.35
13	3	506	CLA	C4B-NB	7.40	1.41	1.35
13	5	506	CLA	C4B-NB	7.40	1.41	1.35
13	1	513	CLA	C4B-NB	7.40	1.41	1.35
13	4	501	CLA	C4B-NB	7.40	1.41	1.35
13	R	1302	CLA	C4B-NB	7.40	1.41	1.35
13	G	1130	CLA	C4B-NB	7.40	1.41	1.35
13	2	511	CLA	C4B-NB	7.40	1.41	1.35
13	1	517	CLA	C4B-NB	7.40	1.41	1.35
13	5	511	CLA	C4B-NB	7.39	1.41	1.35
13	d	511	CLA	C4B-NB	7.39	1.41	1.35
13	5	516	CLA	C4B-NB	7.39	1.41	1.35
13	v	509	CLA	C4B-NB	7.39	1.41	1.35
13	6	504	CLA	C4B-NB	7.39	1.41	1.35
13	Y	506	CLA	C4B-NB	7.39	1.41	1.35
13	c	516	CLA	C4B-NB	7.39	1.41	1.35
13	d	503	CLA	C4B-NB	7.39	1.41	1.35
13	u	504	CLA	C4B-NB	7.39	1.41	1.35
13	e	1130	CLA	C4B-NB	7.39	1.41	1.35
13	u	501	CLA	C4B-NB	7.39	1.41	1.35
13	v	519	CLA	C4B-NB	7.39	1.41	1.35
13	4	502	CLA	C4B-NB	7.38	1.41	1.35
13	r	501	CLA	C4B-NB	7.38	1.41	1.35
13	s	506	CLA	C4B-NB	7.38	1.41	1.35
13	v	518	CLA	C4B-NB	7.38	1.41	1.35
13	t	518	CLA	C4B-NB	7.38	1.41	1.35
13	Z	511	CLA	C4B-NB	7.38	1.41	1.35
13	r	511	CLA	C4B-NB	7.38	1.41	1.35
13	b	510	CLA	C4B-NB	7.38	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	u	518	CLA	C4B-NB	7.38	1.41	1.35
13	4	503	CLA	C4B-NB	7.38	1.41	1.35
13	t	508	CLA	C4B-NB	7.38	1.41	1.35
13	A	1130	CLA	C4B-NB	7.37	1.41	1.35
13	Z	506	CLA	C4B-NB	7.37	1.41	1.35
13	6	519	CLA	C4B-NB	7.37	1.41	1.35
13	a	509	CLA	C4B-NB	7.37	1.41	1.35
13	c	504	CLA	C4B-NB	7.37	1.41	1.35
13	b	518	CLA	C4B-NB	7.37	1.41	1.35
13	s	509	CLA	C4B-NB	7.37	1.41	1.35
13	c	511	CLA	C4B-NB	7.37	1.41	1.35
13	d	504	CLA	C4B-NB	7.37	1.41	1.35
13	q	506	CLA	C4B-NB	7.37	1.41	1.35
13	1	506	CLA	C4B-NB	7.36	1.41	1.35
13	t	503	CLA	C4B-NB	7.36	1.41	1.35
13	4	518	CLA	C4B-NB	7.36	1.41	1.35
13	Z	518	CLA	C4B-NB	7.36	1.41	1.35
13	d	518	CLA	C4B-NB	7.36	1.41	1.35
13	6	518	CLA	C4B-NB	7.36	1.41	1.35
13	3	517	CLA	C4B-NB	7.36	1.41	1.35
13	4	504	CLA	C4B-NB	7.36	1.41	1.35
13	5	518	CLA	C4B-NB	7.36	1.41	1.35
13	2	506	CLA	C4B-NB	7.35	1.41	1.35
13	r	517	CLA	C4B-NB	7.35	1.41	1.35
13	4	508	CLA	C4B-NB	7.35	1.41	1.35
13	b	508	CLA	C4B-NB	7.35	1.41	1.35
13	e	1134	CLA	C4B-NB	7.34	1.41	1.35
13	a	502	CLA	C4B-NB	7.34	1.41	1.35
13	q	516	CLA	C4B-NB	7.34	1.41	1.35
13	1	503	CLA	C4B-NB	7.34	1.41	1.35
13	6	511	CLA	C4B-NB	7.34	1.41	1.35
13	t	517	CLA	C4B-NB	7.34	1.41	1.35
13	3	502	CLA	C4B-NB	7.34	1.41	1.35
13	Y	509	CLA	C4B-NB	7.34	1.41	1.35
13	Y	511	CLA	C4B-NB	7.34	1.41	1.35
13	3	504	CLA	C4B-NB	7.34	1.41	1.35
13	r	506	CLA	C4B-NB	7.34	1.41	1.35
13	s	517	CLA	C4B-NB	7.34	1.41	1.35
13	v	504	CLA	C4B-NB	7.34	1.41	1.35
13	3	509	CLA	C4B-NB	7.33	1.41	1.35
13	4	510	CLA	C4B-NB	7.33	1.41	1.35
13	q	513	CLA	C4B-NB	7.33	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	2	501	CLA	C4B-NB	7.33	1.41	1.35
13	6	509	CLA	C4B-NB	7.33	1.41	1.35
13	c	518	CLA	C4B-NB	7.33	1.41	1.35
13	1	516	CLA	C4B-NB	7.32	1.41	1.35
13	c	510	CLA	C4B-NB	7.32	1.41	1.35
13	5	504	CLA	C4B-NB	7.32	1.41	1.35
13	q	511	CLA	C4B-NB	7.32	1.41	1.35
13	j	1302	CLA	C4B-NB	7.32	1.41	1.35
13	b	504	CLA	C4B-NB	7.32	1.41	1.35
13	q	503	CLA	C4B-NB	7.32	1.41	1.35
13	v	511	CLA	C4B-NB	7.32	1.41	1.35
13	2	517	CLA	C4B-NB	7.31	1.41	1.35
13	6	508	CLA	C4B-NB	7.31	1.41	1.35
13	s	504	CLA	C4B-NB	7.31	1.41	1.35
13	5	501	CLA	C4B-NB	7.31	1.41	1.35
13	c	506	CLA	C4B-NB	7.31	1.41	1.35
13	c	501	CLA	C4B-NB	7.31	1.41	1.35
13	d	508	CLA	C4B-NB	7.31	1.41	1.35
13	v	502	CLA	C4B-NB	7.31	1.41	1.35
13	d	509	CLA	C4B-NB	7.31	1.41	1.35
13	F	1302	CLA	C4B-NB	7.31	1.41	1.35
13	Y	516	CLA	C4B-NB	7.31	1.41	1.35
13	1	509	CLA	C4B-NB	7.31	1.41	1.35
13	1	511	CLA	C4B-NB	7.31	1.41	1.35
13	5	510	CLA	C4B-NB	7.31	1.41	1.35
13	G	1134	CLA	C4B-NB	7.31	1.41	1.35
13	Z	508	CLA	C4B-NB	7.31	1.41	1.35
13	A	1134	CLA	C4B-NB	7.30	1.41	1.35
13	v	508	CLA	C4B-NB	7.30	1.41	1.35
13	d	502	CLA	C4B-NB	7.30	1.41	1.35
13	r	503	CLA	C4B-NB	7.30	1.41	1.35
13	t	510	CLA	C4B-NB	7.30	1.41	1.35
13	u	508	CLA	C4B-NB	7.30	1.41	1.35
13	a	504	CLA	C4B-NB	7.30	1.41	1.35
13	a	517	CLA	C4B-NB	7.30	1.41	1.35
13	s	502	CLA	C4B-NB	7.30	1.41	1.35
13	r	508	CLA	C4B-NB	7.29	1.41	1.35
13	6	501	CLA	C4B-NB	7.29	1.41	1.35
13	Z	517	CLA	C4B-NB	7.29	1.41	1.35
13	R	1301	CLA	C4B-NB	7.29	1.41	1.35
13	t	502	CLA	C4B-NB	7.29	1.41	1.35
13	d	507	CLA	C4B-NB	7.28	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	r	518	CLA	C4B-NB	7.28	1.41	1.35
13	d	501	CLA	C4B-NB	7.28	1.41	1.35
13	c	508	CLA	C4B-NB	7.28	1.41	1.35
13	t	509	CLA	C4B-NB	7.28	1.41	1.35
13	u	512	CLA	C4B-NB	7.28	1.41	1.35
13	6	505	CLA	C4B-NB	7.27	1.41	1.35
13	r	502	CLA	C4B-NB	7.27	1.41	1.35
13	a	503	CLA	C4B-NB	7.27	1.41	1.35
13	r	516	CLA	C4B-NB	7.27	1.41	1.35
13	1	502	CLA	C4B-NB	7.27	1.41	1.35
13	5	508	CLA	C4B-NB	7.27	1.41	1.35
13	s	516	CLA	C4B-NB	7.27	1.41	1.35
13	6	502	CLA	C4B-NB	7.27	1.41	1.35
13	c	505	CLA	C4B-NB	7.27	1.41	1.35
13	v	505	CLA	C4B-NB	7.27	1.41	1.35
13	2	516	CLA	C4B-NB	7.27	1.41	1.35
13	5	505	CLA	C4B-NB	7.26	1.41	1.35
13	4	516	CLA	C4B-NB	7.26	1.41	1.35
13	v	501	CLA	C4B-NB	7.26	1.41	1.35
13	Y	503	CLA	C4B-NB	7.26	1.41	1.35
13	Z	516	CLA	C4B-NB	7.26	1.41	1.35
13	q	509	CLA	C4B-NB	7.26	1.41	1.35
13	u	510	CLA	C4B-NB	7.26	1.41	1.35
13	u	505	CLA	C4B-NB	7.26	1.41	1.35
13	Y	512	CLA	C4B-NB	7.26	1.41	1.35
13	d	505	CLA	C4B-NB	7.26	1.41	1.35
13	F	1301	CLA	C4B-NB	7.25	1.41	1.35
13	r	512	CLA	C4B-NB	7.25	1.41	1.35
13	b	516	CLA	C4B-NB	7.25	1.41	1.35
13	q	502	CLA	C4B-NB	7.25	1.41	1.35
13	t	507	CLA	C4B-NB	7.25	1.41	1.35
13	Z	503	CLA	C4B-NB	7.25	1.41	1.35
13	3	503	CLA	C4B-NB	7.25	1.41	1.35
13	r	509	CLA	C4B-NB	7.25	1.41	1.35
13	2	508	CLA	C4B-NB	7.24	1.41	1.35
13	e	1110	CLA	C4B-NB	7.24	1.41	1.35
13	Z	512	CLA	C4B-NB	7.24	1.41	1.35
13	Y	502	CLA	C4B-NB	7.24	1.41	1.35
13	1	512	CLA	C4B-NB	7.24	1.41	1.35
13	Z	501	CLA	C4B-NB	7.24	1.41	1.35
13	s	510	CLA	C4B-NB	7.23	1.41	1.35
13	2	502	CLA	C4B-NB	7.23	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	2	503	CLA	C4B-NB	7.23	1.41	1.35
13	2	518	CLA	C4B-NB	7.23	1.41	1.35
13	3	516	CLA	C4B-NB	7.23	1.41	1.35
13	a	518	CLA	C4B-NB	7.23	1.41	1.35
13	A	1110	CLA	C4B-NB	7.22	1.41	1.35
13	f	1214	CLA	C4B-NB	7.22	1.41	1.35
13	2	512	CLA	C4B-NB	7.22	1.41	1.35
13	3	518	CLA	C4B-NB	7.22	1.41	1.35
13	Z	509	CLA	C4B-NB	7.22	1.41	1.35
13	2	509	CLA	C4B-NB	7.22	1.41	1.35
13	a	519	CLA	C4B-NB	7.22	1.41	1.35
13	b	509	CLA	C4B-NB	7.22	1.41	1.35
13	j	1301	CLA	C4B-NB	7.22	1.41	1.35
13	s	503	CLA	C4B-NB	7.22	1.41	1.35
13	B	1239	CLA	C4B-NB	7.22	1.41	1.35
13	4	509	CLA	C4B-NB	7.21	1.41	1.35
13	6	507	CLA	C4B-NB	7.21	1.41	1.35
13	a	510	CLA	C4B-NB	7.21	1.41	1.35
13	v	507	CLA	C4B-NB	7.21	1.41	1.35
13	f	1239	CLA	C4B-NB	7.20	1.41	1.35
13	3	519	CLA	C4B-NB	7.20	1.41	1.35
13	a	516	CLA	C4B-NB	7.20	1.41	1.35
13	3	510	CLA	C4B-NB	7.19	1.41	1.35
13	q	510	CLA	C4B-NB	7.19	1.41	1.35
13	r	510	CLA	C4B-NB	7.19	1.41	1.35
13	b	505	CLA	C4B-NB	7.19	1.41	1.35
13	B	1214	CLA	C4B-NB	7.19	1.41	1.35
13	Z	502	CLA	C4B-NB	7.19	1.41	1.35
13	1	505	CLA	C4B-NB	7.19	1.41	1.35
13	q	512	CLA	C4B-NB	7.19	1.41	1.35
13	4	505	CLA	C4B-NB	7.18	1.41	1.35
13	H	1239	CLA	C4B-NB	7.18	1.41	1.35
13	G	1110	CLA	C4B-NB	7.18	1.41	1.35
13	4	507	CLA	C4B-NB	7.18	1.41	1.35
13	H	1219	CLA	C4B-NB	7.18	1.41	1.35
13	f	1226	CLA	C4B-NB	7.18	1.41	1.35
13	q	505	CLA	C4B-NB	7.18	1.41	1.35
13	t	516	CLA	C4B-NB	7.18	1.41	1.35
13	H	1226	CLA	C4B-NB	7.17	1.41	1.35
13	5	512	CLA	C4B-NB	7.17	1.41	1.35
13	e	1114	CLA	C4B-NB	7.17	1.41	1.35
13	3	513	CLA	C4B-NB	7.17	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	s	518	CLA	C4B-NB	7.17	1.41	1.35
13	Z	510	CLA	C4B-NB	7.17	1.41	1.35
13	a	512	CLA	C4B-NB	7.17	1.41	1.35
13	5	509	CLA	C4B-NB	7.16	1.41	1.35
13	t	505	CLA	C4B-NB	7.16	1.41	1.35
13	U	1105	CLA	C4B-NB	7.16	1.41	1.35
13	B	1226	CLA	C4B-NB	7.16	1.41	1.35
13	s	519	CLA	C4B-NB	7.15	1.41	1.35
13	c	509	CLA	C4B-NB	7.15	1.41	1.35
13	A	1114	CLA	C4B-NB	7.15	1.41	1.35
13	A	1108	CLA	C4B-NB	7.14	1.41	1.35
13	1	510	CLA	C4B-NB	7.14	1.41	1.35
13	2	519	CLA	C4B-NB	7.14	1.41	1.35
13	a	513	CLA	C4B-NB	7.14	1.41	1.35
13	e	1237	CLA	C4B-NB	7.14	1.41	1.35
13	s	507	CLA	C4B-NB	7.14	1.41	1.35
13	s	513	CLA	C4B-NB	7.14	1.41	1.35
13	K	1105	CLA	C4B-NB	7.14	1.41	1.35
13	H	1214	CLA	C4B-NB	7.14	1.41	1.35
13	B	1219	CLA	C4B-NB	7.14	1.41	1.35
13	G	1114	CLA	C4B-NB	7.14	1.41	1.35
13	A	1136	CLA	C4B-NB	7.13	1.41	1.35
13	c	512	CLA	C4B-NB	7.12	1.41	1.35
13	r	519	CLA	C4B-NB	7.12	1.41	1.35
13	L	1501	CLA	C4B-NB	7.12	1.41	1.35
13	s	512	CLA	C4B-NB	7.12	1.41	1.35
13	e	1136	CLA	C4B-NB	7.12	1.41	1.35
13	e	1108	CLA	C4B-NB	7.12	1.41	1.35
13	f	1202	CLA	C4B-NB	7.11	1.41	1.35
13	u	509	CLA	C4B-NB	7.11	1.41	1.35
13	Y	510	CLA	C4B-NB	7.11	1.41	1.35
13	f	1240	CLA	C4B-NB	7.11	1.41	1.35
13	5	519	CLA	C4B-NB	7.11	1.41	1.35
13	G	1136	CLA	C4B-NB	7.11	1.41	1.35
13	q	508	CLA	C4B-NB	7.11	1.41	1.35
13	G	1108	CLA	C4B-NB	7.10	1.41	1.35
13	a	501	CLA	C4B-NB	7.10	1.41	1.35
13	B	1202	CLA	C4B-NB	7.10	1.41	1.35
13	m	1105	CLA	C4B-NB	7.10	1.41	1.35
13	s	501	CLA	C4B-NB	7.10	1.41	1.35
13	b	507	CLA	C4B-NB	7.09	1.41	1.35
13	A	1237	CLA	C4B-NB	7.09	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	1	507	CLA	C4B-NB	7.09	1.41	1.35
13	3	512	CLA	C4B-NB	7.09	1.41	1.35
13	B	1240	CLA	C4B-NB	7.09	1.41	1.35
13	1	508	CLA	C4B-NB	7.09	1.41	1.35
13	Y	505	CLA	C4B-NB	7.09	1.41	1.35
13	q	507	CLA	C4B-NB	7.09	1.41	1.35
13	2	510	CLA	C4B-NB	7.09	1.41	1.35
13	V	1501	CLA	C4B-NB	7.09	1.41	1.35
13	f	1219	CLA	C4B-NB	7.09	1.41	1.35
13	Z	519	CLA	C4B-NB	7.08	1.41	1.35
13	u	507	CLA	C4B-NB	7.08	1.41	1.35
13	A	1140	CLA	C4B-NB	7.08	1.41	1.35
13	n	1501	CLA	C4B-NB	7.08	1.41	1.35
13	u	519	CLA	C4B-NB	7.07	1.41	1.35
13	Y	507	CLA	C4B-NB	7.07	1.41	1.35
13	f	1221	CLA	C4B-NB	7.07	1.41	1.35
13	H	1202	CLA	C4B-NB	7.07	1.41	1.35
13	5	507	CLA	C4B-NB	7.06	1.41	1.35
13	c	519	CLA	C4B-NB	7.06	1.41	1.35
13	G	1140	CLA	C4B-NB	7.06	1.41	1.35
13	Y	508	CLA	C4B-NB	7.06	1.41	1.35
13	B	1205	CLA	C4B-NB	7.06	1.41	1.35
13	3	501	CLA	C4B-NB	7.05	1.41	1.35
13	H	1205	CLA	C4B-NB	7.05	1.41	1.35
13	B	1221	CLA	C4B-NB	7.05	1.41	1.35
13	H	1240	CLA	C4B-NB	7.04	1.41	1.35
13	e	1140	CLA	C4B-NB	7.04	1.41	1.35
13	3	507	CLA	C4B-NB	7.04	1.41	1.35
13	c	507	CLA	C4B-NB	7.04	1.41	1.35
13	f	1205	CLA	C4B-NB	7.03	1.41	1.35
13	a	505	CLA	C4B-NB	7.03	1.41	1.35
13	q	518	CLA	C4B-NB	7.03	1.41	1.35
13	H	1221	CLA	C4B-NB	7.02	1.41	1.35
13	1	518	CLA	C4B-NB	7.02	1.41	1.35
13	e	1116	CLA	C4B-NB	7.02	1.41	1.35
13	3	505	CLA	C4B-NB	7.02	1.41	1.35
13	K	1401	CLA	C4B-NB	7.02	1.41	1.35
13	f	1229	CLA	C4B-NB	7.01	1.41	1.35
13	a	507	CLA	C4B-NB	7.01	1.41	1.35
13	m	1401	CLA	C4B-NB	7.01	1.41	1.35
13	Z	505	CLA	C4B-NB	7.01	1.41	1.35
13	e	1102	CLA	C4B-NB	7.00	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	s	505	CLA	C4B-NB	7.00	1.41	1.35
13	e	1139	CLA	C4B-NB	7.00	1.41	1.35
13	U	1401	CLA	C4B-NB	7.00	1.41	1.35
13	e	1121	CLA	C4B-NB	6.99	1.41	1.35
13	Y	518	CLA	C4B-NB	6.99	1.41	1.35
13	A	1139	CLA	C4B-NB	6.99	1.41	1.35
13	2	505	CLA	C4B-NB	6.98	1.41	1.35
13	G	1237	CLA	C4B-NB	6.98	1.41	1.35
13	r	505	CLA	C4B-NB	6.98	1.41	1.35
13	f	1216	CLA	C4B-NB	6.97	1.41	1.35
13	A	1116	CLA	C4B-NB	6.97	1.41	1.35
13	G	1102	CLA	C4B-NB	6.96	1.41	1.35
13	B	1229	CLA	C4B-NB	6.96	1.41	1.35
13	G	1138	CLA	C4B-NB	6.95	1.41	1.35
13	H	1207	CLA	C4B-NB	6.95	1.41	1.35
13	r	507	CLA	C4B-NB	6.95	1.41	1.35
13	A	1102	CLA	C4B-NB	6.95	1.41	1.35
13	G	1116	CLA	C4B-NB	6.95	1.41	1.35
13	G	1139	CLA	C4B-NB	6.95	1.41	1.35
13	B	1012	CLA	C4B-NB	6.93	1.41	1.35
13	A	1121	CLA	C4B-NB	6.93	1.41	1.35
13	A	1138	CLA	C4B-NB	6.92	1.41	1.35
13	H	1216	CLA	C4B-NB	6.92	1.41	1.35
13	Z	507	CLA	C4B-NB	6.92	1.41	1.35
13	H	1012	CLA	C4B-NB	6.92	1.41	1.35
13	G	1111	CLA	C4B-NB	6.92	1.41	1.35
13	f	1012	CLA	C4B-NB	6.91	1.41	1.35
13	f	1201	CLA	C4B-NB	6.91	1.41	1.35
13	B	1216	CLA	C4B-NB	6.91	1.41	1.35
13	G	1121	CLA	C4B-NB	6.91	1.41	1.35
13	H	1229	CLA	C4B-NB	6.90	1.41	1.35
13	2	507	CLA	C4B-NB	6.90	1.41	1.35
13	B	1207	CLA	C4B-NB	6.90	1.41	1.35
13	e	1118	CLA	C4B-NB	6.89	1.41	1.35
13	l	1302	CLA	C4B-NB	6.89	1.41	1.35
13	T	1302	CLA	C4B-NB	6.89	1.41	1.35
13	e	1111	CLA	C4B-NB	6.89	1.41	1.35
13	f	1207	CLA	C4B-NB	6.88	1.41	1.35
13	A	1128	CLA	C4B-NB	6.87	1.41	1.35
13	J	1302	CLA	C4B-NB	6.87	1.41	1.35
13	G	1120	CLA	C4B-NB	6.87	1.41	1.35
13	B	1201	CLA	C4B-NB	6.86	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	e	1138	CLA	C4B-NB	6.86	1.41	1.35
13	A	1111	CLA	C4B-NB	6.86	1.41	1.35
13	e	1128	CLA	C4B-NB	6.86	1.41	1.35
13	H	1201	CLA	C4B-NB	6.86	1.41	1.35
13	A	1107	CLA	C4B-NB	6.86	1.41	1.35
13	G	1128	CLA	C4B-NB	6.86	1.41	1.35
13	A	1118	CLA	C4B-NB	6.85	1.41	1.35
13	J	1303	CLA	C4B-NB	6.85	1.41	1.35
13	T	1303	CLA	C4B-NB	6.84	1.41	1.35
13	B	1230	CLA	C4B-NB	6.84	1.41	1.35
13	e	1107	CLA	C4B-NB	6.83	1.41	1.35
13	H	1232	CLA	C4B-NB	6.83	1.41	1.35
13	f	1218	CLA	C4B-NB	6.83	1.41	1.35
13	G	1107	CLA	C4B-NB	6.83	1.41	1.35
13	G	1118	CLA	C4B-NB	6.82	1.41	1.35
13	f	1230	CLA	C4B-NB	6.82	1.41	1.35
13	f	1227	CLA	C4B-NB	6.82	1.41	1.35
13	B	1232	CLA	C4B-NB	6.81	1.41	1.35
13	A	1120	CLA	C4B-NB	6.81	1.41	1.35
13	e	1124	CLA	C4B-NB	6.80	1.41	1.35
13	e	1120	CLA	C4B-NB	6.80	1.41	1.35
13	H	1211	CLA	C4B-NB	6.80	1.41	1.35
13	H	1230	CLA	C4B-NB	6.79	1.41	1.35
13	B	1218	CLA	C4B-NB	6.79	1.41	1.35
13	H	1227	CLA	C4B-NB	6.78	1.41	1.35
13	V	1502	CLA	C4B-NB	6.78	1.41	1.35
13	G	1124	CLA	C4B-NB	6.78	1.41	1.35
13	f	1232	CLA	C4B-NB	6.78	1.41	1.35
13	V	1503	CLA	C4B-NB	6.77	1.41	1.35
13	e	1112	CLA	C4B-NB	6.77	1.41	1.35
13	e	1137	CLA	C4B-NB	6.77	1.41	1.35
13	A	1124	CLA	C4B-NB	6.77	1.41	1.35
13	B	1227	CLA	C4B-NB	6.77	1.41	1.35
13	L	1503	CLA	C4B-NB	6.76	1.41	1.35
13	n	1502	CLA	C4B-NB	6.76	1.41	1.35
13	H	1217	CLA	C4B-NB	6.75	1.41	1.35
13	A	1112	CLA	C4B-NB	6.74	1.41	1.35
13	G	1112	CLA	C4B-NB	6.74	1.41	1.35
13	G	1113	CLA	C4B-NB	6.74	1.41	1.35
13	n	1503	CLA	C4B-NB	6.73	1.41	1.35
13	G	1137	CLA	C4B-NB	6.73	1.41	1.35
13	B	1217	CLA	C4B-NB	6.73	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	l	1303	CLA	C4B-NB	6.73	1.41	1.35
13	B	1211	CLA	C4B-NB	6.73	1.41	1.35
13	f	1211	CLA	C4B-NB	6.71	1.41	1.35
13	L	1502	CLA	C4B-NB	6.71	1.41	1.35
13	f	1217	CLA	C4B-NB	6.70	1.41	1.35
13	G	1131	CLA	C4B-NB	6.70	1.41	1.35
13	A	1137	CLA	C4B-NB	6.69	1.41	1.35
13	H	1218	CLA	C4B-NB	6.69	1.41	1.35
13	G	1119	CLA	C4B-NB	6.69	1.41	1.35
13	A	1131	CLA	C4B-NB	6.68	1.41	1.35
13	q	519	CLA	C4B-NB	6.68	1.41	1.35
13	A	1113	CLA	C4B-NB	6.67	1.41	1.35
13	t	519	CLA	C4B-NB	6.67	1.41	1.35
13	e	1117	CLA	C4B-NB	6.66	1.41	1.35
13	G	1103	CLA	C4B-NB	6.66	1.41	1.35
13	B	1208	CLA	C4B-NB	6.66	1.41	1.35
13	e	1113	CLA	C4B-NB	6.66	1.41	1.35
13	e	1131	CLA	C4B-NB	6.65	1.41	1.35
13	l	519	CLA	C4B-NB	6.65	1.41	1.35
13	A	1125	CLA	C4B-NB	6.64	1.41	1.35
13	G	1011	CLA	C4B-NB	6.64	1.41	1.35
13	G	1123	CLA	C4B-NB	6.64	1.41	1.35
13	A	1119	CLA	C4B-NB	6.64	1.41	1.35
13	f	1215	CLA	C4B-NB	6.64	1.41	1.35
13	G	1117	CLA	C4B-NB	6.64	1.41	1.35
13	H	1215	CLA	C4B-NB	6.62	1.41	1.35
13	f	1213	CLA	C4B-NB	6.62	1.41	1.35
13	A	1103	CLA	C4B-NB	6.62	1.41	1.35
13	e	1103	CLA	C4B-NB	6.62	1.41	1.35
13	A	1117	CLA	C4B-NB	6.61	1.41	1.35
13	e	1119	CLA	C4B-NB	6.61	1.41	1.35
13	B	1222	CLA	C4B-NB	6.60	1.41	1.35
13	m	1103	CLA	C4B-NB	6.60	1.41	1.35
13	A	1123	CLA	C4B-NB	6.60	1.41	1.35
13	B	1215	CLA	C4B-NB	6.60	1.41	1.35
13	G	1125	CLA	C4B-NB	6.60	1.41	1.35
13	f	1212	CLA	C4B-NB	6.59	1.41	1.35
13	4	519	CLA	C4B-NB	6.59	1.41	1.35
13	H	1212	CLA	C4B-NB	6.59	1.41	1.35
13	B	1213	CLA	C4B-NB	6.59	1.41	1.35
13	e	1106	CLA	C4B-NB	6.59	1.41	1.35
13	f	1228	CLA	C4B-NB	6.59	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1212	CLA	C4B-NB	6.59	1.41	1.35
13	B	1228	CLA	C4B-NB	6.58	1.41	1.35
13	H	1208	CLA	C4B-NB	6.58	1.41	1.35
13	e	1125	CLA	C4B-NB	6.58	1.41	1.35
13	A	1122	CLA	C4B-NB	6.58	1.41	1.35
13	e	1123	CLA	C4B-NB	6.58	1.41	1.35
13	A	1011	CLA	C4B-NB	6.57	1.41	1.35
13	f	1208	CLA	C4B-NB	6.57	1.41	1.35
13	Y	519	CLA	C4B-NB	6.57	1.41	1.35
13	f	1222	CLA	C4B-NB	6.57	1.41	1.35
13	G	1122	CLA	C4B-NB	6.56	1.41	1.35
13	b	519	CLA	C4B-NB	6.56	1.41	1.35
13	H	1228	CLA	C4B-NB	6.56	1.41	1.35
13	e	1011	CLA	C4B-NB	6.56	1.41	1.35
13	e	1022	CLA	C4B-NB	6.56	1.41	1.35
13	f	1238	CLA	C4B-NB	6.56	1.41	1.35
13	H	1213	CLA	C4B-NB	6.56	1.41	1.35
13	e	1122	CLA	C4B-NB	6.56	1.41	1.35
13	H	1222	CLA	C4B-NB	6.55	1.41	1.35
13	G	1022	CLA	C4B-NB	6.54	1.41	1.35
13	A	1106	CLA	C4B-NB	6.54	1.41	1.35
13	H	1206	CLA	C4B-NB	6.53	1.41	1.35
13	e	1109	CLA	C4B-NB	6.53	1.41	1.35
13	f	1220	CLA	C4B-NB	6.53	1.41	1.35
13	H	1220	CLA	C4B-NB	6.53	1.41	1.35
13	K	1103	CLA	C4B-NB	6.52	1.41	1.35
13	A	1022	CLA	C4B-NB	6.52	1.41	1.35
13	A	1115	CLA	C4B-NB	6.52	1.41	1.35
13	G	1801	CLA	C4B-NB	6.51	1.41	1.35
13	e	1105	CLA	C4B-NB	6.51	1.41	1.35
13	B	1220	CLA	C4B-NB	6.51	1.41	1.35
13	f	1206	CLA	C4B-NB	6.51	1.41	1.35
13	U	1103	CLA	C4B-NB	6.51	1.41	1.35
13	e	1127	CLA	C4B-NB	6.51	1.41	1.35
13	G	1115	CLA	C4B-NB	6.50	1.41	1.35
13	H	1203	CLA	C4B-NB	6.50	1.41	1.35
13	A	1105	CLA	C4B-NB	6.50	1.41	1.35
13	B	1206	CLA	C4B-NB	6.50	1.41	1.35
13	G	1106	CLA	C4B-NB	6.49	1.41	1.35
13	e	1115	CLA	C4B-NB	6.49	1.41	1.35
13	B	1238	CLA	C4B-NB	6.49	1.41	1.35
13	G	1133	CLA	C4B-NB	6.49	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1013	CLA	C4B-NB	6.48	1.41	1.35
13	G	1109	CLA	C4B-NB	6.48	1.41	1.35
13	f	1203	CLA	C4B-NB	6.48	1.41	1.35
13	A	1127	CLA	C4B-NB	6.48	1.41	1.35
13	G	1105	CLA	C4B-NB	6.47	1.41	1.35
13	H	1238	CLA	C4B-NB	6.47	1.41	1.35
13	A	1109	CLA	C4B-NB	6.47	1.41	1.35
13	A	1013	CLA	C4B-NB	6.47	1.41	1.35
13	B	1235	CLA	C4B-NB	6.47	1.41	1.35
13	H	1235	CLA	C4B-NB	6.46	1.41	1.35
13	f	1224	CLA	C4B-NB	6.45	1.41	1.35
13	B	1203	CLA	C4B-NB	6.45	1.41	1.35
13	A	1133	CLA	C4B-NB	6.45	1.41	1.35
13	G	1127	CLA	C4B-NB	6.44	1.41	1.35
13	e	1133	CLA	C4B-NB	6.44	1.40	1.35
13	f	1235	CLA	C4B-NB	6.42	1.40	1.35
13	e	1126	CLA	C4B-NB	6.42	1.40	1.35
13	A	1126	CLA	C4B-NB	6.42	1.40	1.35
13	B	1223	CLA	C4B-NB	6.42	1.40	1.35
13	B	1224	CLA	C4B-NB	6.42	1.40	1.35
13	A	1801	CLA	C4B-NB	6.41	1.40	1.35
13	A	1104	CLA	C4B-NB	6.41	1.40	1.35
13	H	1021	CLA	C4B-NB	6.41	1.40	1.35
13	e	1013	CLA	C4B-NB	6.41	1.40	1.35
13	e	1801	CLA	C4B-NB	6.40	1.40	1.35
13	f	1223	CLA	C4B-NB	6.39	1.40	1.35
13	G	1126	CLA	C4B-NB	6.39	1.40	1.35
13	e	1104	CLA	C4B-NB	6.39	1.40	1.35
13	B	1021	CLA	C4B-NB	6.38	1.40	1.35
13	G	1104	CLA	C4B-NB	6.36	1.40	1.35
13	A	1132	CLA	C4B-NB	6.36	1.40	1.35
13	H	1224	CLA	C4B-NB	6.35	1.40	1.35
13	B	1225	CLA	C4B-NB	6.34	1.40	1.35
13	f	1021	CLA	C4B-NB	6.33	1.40	1.35
13	H	1223	CLA	C4B-NB	6.33	1.40	1.35
13	e	1132	CLA	C4B-NB	6.32	1.40	1.35
13	G	1132	CLA	C4B-NB	6.31	1.40	1.35
13	f	1225	CLA	C4B-NB	6.31	1.40	1.35
13	f	1204	CLA	C4B-NB	6.28	1.40	1.35
13	H	1204	CLA	C4B-NB	6.27	1.40	1.35
13	H	1225	CLA	C4B-NB	6.25	1.40	1.35
13	B	1204	CLA	C4B-NB	6.24	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1210	CLA	C4B-NB	6.21	1.40	1.35
13	f	1023	CLA	C4B-NB	6.21	1.40	1.35
13	B	1234	CLA	C4B-NB	6.20	1.40	1.35
13	H	1234	CLA	C4B-NB	6.19	1.40	1.35
13	H	1231	CLA	C4B-NB	6.19	1.40	1.35
13	B	1231	CLA	C4B-NB	6.18	1.40	1.35
13	f	1231	CLA	C4B-NB	6.17	1.40	1.35
13	B	1023	CLA	C4B-NB	6.16	1.40	1.35
13	B	1210	CLA	C4B-NB	6.15	1.40	1.35
13	H	1023	CLA	C4B-NB	6.13	1.40	1.35
13	f	1234	CLA	C4B-NB	6.11	1.40	1.35
13	H	1210	CLA	C4B-NB	6.10	1.40	1.35
13	e	1129	CLA	C4B-NB	5.98	1.40	1.35
13	A	1129	CLA	C4B-NB	5.98	1.40	1.35
13	G	1129	CLA	C4B-NB	5.93	1.40	1.35
13	e	1135	CLA	C4B-NB	5.89	1.40	1.35
13	G	1135	CLA	C4B-NB	5.83	1.40	1.35
13	A	1135	CLA	C4B-NB	5.82	1.40	1.35
14	B	2002	PQN	C2-C1	-4.90	1.37	1.48
14	f	2002	PQN	C2-C1	-4.89	1.37	1.48
14	H	2002	PQN	C2-C1	-4.86	1.37	1.48
13	e	1128	CLA	CMB-C2B	-4.57	1.42	1.51
13	G	1128	CLA	CMB-C2B	-4.55	1.42	1.51
13	A	1128	CLA	CMB-C2B	-4.54	1.42	1.51
13	H	1226	CLA	CMB-C2B	-4.54	1.42	1.51
13	B	1226	CLA	CMB-C2B	-4.53	1.42	1.51
13	f	1226	CLA	CMB-C2B	-4.52	1.42	1.51
14	e	2001	PQN	C2-C1	-4.44	1.38	1.48
14	A	2001	PQN	C2-C1	-4.42	1.38	1.48
14	G	2001	PQN	C2-C1	-4.41	1.38	1.48
13	e	1011	CLA	C1D-ND	4.37	1.43	1.37
13	A	1011	CLA	C1D-ND	4.37	1.43	1.37
13	G	1011	CLA	C1D-ND	4.35	1.43	1.37
13	b	503	CLA	C1D-ND	4.14	1.42	1.37
13	t	503	CLA	C1D-ND	4.12	1.42	1.37
13	4	503	CLA	C1D-ND	4.11	1.42	1.37
13	f	1234	CLA	C4D-ND	-4.08	1.32	1.37
13	H	1234	CLA	C4D-ND	-4.08	1.32	1.37
13	c	503	CLA	C1D-ND	4.04	1.42	1.37
13	B	1234	CLA	C4D-ND	-4.04	1.32	1.37
13	s	503	CLA	C1D-ND	4.01	1.42	1.37
13	u	503	CLA	C1D-ND	4.00	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	a	503	CLA	C1D-ND	3.99	1.42	1.37
13	5	503	CLA	C1D-ND	3.98	1.42	1.37
13	t	516	CLA	C1D-ND	3.98	1.42	1.37
13	3	503	CLA	C1D-ND	3.97	1.42	1.37
13	q	503	CLA	C1D-ND	3.94	1.42	1.37
13	b	516	CLA	C1D-ND	3.92	1.42	1.37
13	l	503	CLA	C1D-ND	3.92	1.42	1.37
13	c	517	CLA	C1D-ND	3.92	1.42	1.37
13	t	510	CLA	C1D-ND	3.92	1.42	1.37
13	d	506	CLA	C1D-ND	3.91	1.42	1.37
13	Y	506	CLA	C1D-ND	3.91	1.42	1.37
13	4	516	CLA	C1D-ND	3.90	1.42	1.37
13	b	510	CLA	C1D-ND	3.90	1.42	1.37
13	6	506	CLA	C1D-ND	3.90	1.42	1.37
13	4	517	CLA	C1D-ND	3.89	1.42	1.37
13	1	506	CLA	C1D-ND	3.89	1.42	1.37
13	3	506	CLA	C1D-ND	3.88	1.42	1.37
13	a	506	CLA	C1D-ND	3.88	1.42	1.37
13	2	503	CLA	C1D-ND	3.88	1.42	1.37
13	4	510	CLA	C1D-ND	3.88	1.42	1.37
13	5	517	CLA	C1D-ND	3.88	1.42	1.37
13	r	503	CLA	C1D-ND	3.88	1.42	1.37
13	v	506	CLA	C1D-ND	3.88	1.42	1.37
13	c	516	CLA	C1D-ND	3.88	1.42	1.37
13	r	511	CLA	C1D-ND	3.88	1.42	1.37
13	Y	503	CLA	C1D-ND	3.87	1.42	1.37
13	q	506	CLA	C1D-ND	3.87	1.42	1.37
13	Z	503	CLA	C1D-ND	3.87	1.42	1.37
13	b	517	CLA	C1D-ND	3.87	1.42	1.37
13	4	507	CLA	C1D-ND	3.85	1.42	1.37
13	a	513	CLA	C1D-ND	3.85	1.42	1.37
13	d	501	CLA	C1D-ND	3.85	1.42	1.37
13	4	513	CLA	C1D-ND	3.85	1.42	1.37
13	t	502	CLA	C1D-ND	3.84	1.42	1.37
13	t	513	CLA	C1D-ND	3.84	1.42	1.37
13	s	507	CLA	C1D-ND	3.84	1.42	1.37
13	b	513	CLA	C1D-ND	3.84	1.42	1.37
13	u	517	CLA	C1D-ND	3.84	1.42	1.37
18	G	1849	LMU	O5'-C1'	3.84	1.51	1.41
13	6	503	CLA	C1D-ND	3.84	1.42	1.37
13	a	507	CLA	C1D-ND	3.84	1.42	1.37
18	A	1849	LMU	O5'-C1'	3.83	1.51	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	t	517	CLA	C1D-ND	3.83	1.42	1.37
13	s	506	CLA	C1D-ND	3.83	1.42	1.37
13	b	502	CLA	C1D-ND	3.83	1.42	1.37
13	4	501	CLA	C1D-ND	3.83	1.42	1.37
18	e	1849	LMU	O5'-C1'	3.83	1.51	1.41
13	d	513	CLA	C1D-ND	3.83	1.42	1.37
13	t	507	CLA	C1D-ND	3.83	1.42	1.37
13	Y	507	CLA	C1D-ND	3.82	1.42	1.37
13	v	501	CLA	C1D-ND	3.82	1.42	1.37
13	t	501	CLA	C1D-ND	3.82	1.42	1.37
13	b	507	CLA	C1D-ND	3.82	1.42	1.37
13	Y	513	CLA	C1D-ND	3.81	1.42	1.37
13	5	516	CLA	C1D-ND	3.81	1.42	1.37
13	v	503	CLA	C1D-ND	3.81	1.42	1.37
13	6	501	CLA	C1D-ND	3.81	1.42	1.37
13	d	519	CLA	C1D-ND	3.81	1.42	1.37
13	4	502	CLA	C1D-ND	3.81	1.42	1.37
13	v	519	CLA	C1D-ND	3.80	1.42	1.37
13	u	510	CLA	C1D-ND	3.80	1.42	1.37
13	b	509	CLA	C1D-ND	3.80	1.42	1.37
13	3	513	CLA	C1D-ND	3.80	1.42	1.37
13	b	501	CLA	C1D-ND	3.80	1.42	1.37
13	q	513	CLA	C1D-ND	3.80	1.42	1.37
13	l	513	CLA	C1D-ND	3.80	1.42	1.37
13	v	502	CLA	C1D-ND	3.79	1.42	1.37
13	d	503	CLA	C1D-ND	3.79	1.42	1.37
13	r	516	CLA	C1D-ND	3.79	1.42	1.37
13	2	511	CLA	C1D-ND	3.79	1.42	1.37
13	u	508	CLA	C1D-ND	3.79	1.42	1.37
13	c	509	CLA	C1D-ND	3.79	1.42	1.37
13	5	508	CLA	C1D-ND	3.79	1.42	1.37
13	6	519	CLA	C1D-ND	3.79	1.42	1.37
13	Z	501	CLA	C1D-ND	3.79	1.42	1.37
13	f	1023	CLA	C4D-ND	-3.79	1.32	1.37
13	q	507	CLA	C1D-ND	3.79	1.42	1.37
13	s	501	CLA	C1D-ND	3.79	1.42	1.37
13	u	516	CLA	C1D-ND	3.79	1.42	1.37
13	t	509	CLA	C1D-ND	3.79	1.42	1.37
13	Z	511	CLA	C1D-ND	3.78	1.42	1.37
13	3	519	CLA	C1D-ND	3.78	1.42	1.37
13	6	513	CLA	C1D-ND	3.78	1.42	1.37
13	a	519	CLA	C1D-ND	3.78	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	v	509	CLA	C1D-ND	3.78	1.42	1.37
13	3	518	CLA	C1D-ND	3.78	1.42	1.37
13	Z	516	CLA	C1D-ND	3.78	1.42	1.37
13	a	518	CLA	C1D-ND	3.77	1.42	1.37
13	2	516	CLA	C1D-ND	3.77	1.42	1.37
13	a	501	CLA	C1D-ND	3.77	1.42	1.37
13	6	518	CLA	C1D-ND	3.77	1.42	1.37
13	s	518	CLA	C1D-ND	3.77	1.42	1.37
13	Z	513	CLA	C1D-ND	3.77	1.42	1.37
13	3	507	CLA	C1D-ND	3.77	1.42	1.37
13	6	502	CLA	C1D-ND	3.77	1.42	1.37
13	1	507	CLA	C1D-ND	3.76	1.42	1.37
13	r	501	CLA	C1D-ND	3.76	1.42	1.37
13	t	518	CLA	C1D-ND	3.76	1.42	1.37
13	d	510	CLA	C1D-ND	3.76	1.42	1.37
13	s	513	CLA	C1D-ND	3.76	1.42	1.37
13	f	1229	CLA	C4D-ND	-3.76	1.32	1.37
13	4	509	CLA	C1D-ND	3.76	1.42	1.37
13	c	519	CLA	C1D-ND	3.76	1.42	1.37
13	2	506	CLA	C1D-ND	3.76	1.42	1.37
13	d	509	CLA	C1D-ND	3.76	1.42	1.37
13	G	1124	CLA	C1D-ND	3.76	1.42	1.37
13	b	518	CLA	C1D-ND	3.76	1.42	1.37
13	c	508	CLA	C1D-ND	3.75	1.42	1.37
13	d	511	CLA	C1D-ND	3.75	1.42	1.37
13	v	513	CLA	C1D-ND	3.75	1.42	1.37
13	e	1109	CLA	C4D-ND	-3.75	1.32	1.37
13	e	1135	CLA	C4D-ND	-3.75	1.32	1.37
13	s	511	CLA	C1D-ND	3.75	1.42	1.37
13	3	501	CLA	C1D-ND	3.75	1.42	1.37
13	6	511	CLA	C1D-ND	3.75	1.42	1.37
13	c	506	CLA	C1D-ND	3.75	1.42	1.37
13	6	507	CLA	C1D-ND	3.75	1.42	1.37
13	t	506	CLA	C1D-ND	3.75	1.42	1.37
13	u	504	CLA	C1D-ND	3.75	1.42	1.37
13	6	510	CLA	C1D-ND	3.74	1.42	1.37
13	5	509	CLA	C1D-ND	3.74	1.42	1.37
13	c	511	CLA	C1D-ND	3.74	1.42	1.37
13	v	517	CLA	C1D-ND	3.74	1.42	1.37
13	H	1229	CLA	C4D-ND	-3.74	1.32	1.37
13	A	1124	CLA	C1D-ND	3.74	1.42	1.37
13	5	513	CLA	C1D-ND	3.74	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	v	511	CLA	C1D-ND	3.74	1.42	1.37
13	H	1204	CLA	C4D-ND	-3.74	1.32	1.37
13	l	510	CLA	C1D-ND	3.74	1.42	1.37
13	Y	511	CLA	C1D-ND	3.74	1.42	1.37
13	d	518	CLA	C1D-ND	3.74	1.42	1.37
13	n	1502	CLA	C4D-ND	-3.74	1.32	1.37
13	Z	506	CLA	C1D-ND	3.74	1.42	1.37
13	B	1023	CLA	C4D-ND	-3.74	1.32	1.37
13	5	506	CLA	C1D-ND	3.74	1.42	1.37
13	2	501	CLA	C1D-ND	3.73	1.42	1.37
13	b	508	CLA	C1D-ND	3.73	1.42	1.37
13	s	519	CLA	C1D-ND	3.73	1.42	1.37
13	f	1204	CLA	C4D-ND	-3.73	1.32	1.37
13	6	509	CLA	C1D-ND	3.73	1.42	1.37
13	u	509	CLA	C1D-ND	3.73	1.42	1.37
13	d	502	CLA	C1D-ND	3.73	1.42	1.37
13	H	1023	CLA	C4D-ND	-3.73	1.32	1.37
13	B	1229	CLA	C4D-ND	-3.73	1.32	1.37
13	5	510	CLA	C1D-ND	3.73	1.42	1.37
13	4	504	CLA	C1D-ND	3.73	1.42	1.37
13	e	1124	CLA	C1D-ND	3.73	1.42	1.37
13	d	508	CLA	C1D-ND	3.72	1.42	1.37
13	4	506	CLA	C1D-ND	3.72	1.42	1.37
13	6	508	CLA	C1D-ND	3.72	1.42	1.37
13	v	518	CLA	C1D-ND	3.72	1.42	1.37
13	G	1116	CLA	C1D-ND	3.72	1.42	1.37
13	c	513	CLA	C1D-ND	3.72	1.42	1.37
13	r	506	CLA	C1D-ND	3.72	1.42	1.37
13	t	504	CLA	C1D-ND	3.72	1.42	1.37
13	t	511	CLA	C1D-ND	3.72	1.42	1.37
13	5	519	CLA	C1D-ND	3.72	1.42	1.37
13	Y	510	CLA	C1D-ND	3.72	1.42	1.37
13	b	506	CLA	C1D-ND	3.72	1.42	1.37
13	4	518	CLA	C1D-ND	3.72	1.42	1.37
13	q	501	CLA	C1D-ND	3.72	1.42	1.37
13	d	516	CLA	C1D-ND	3.72	1.42	1.37
13	u	511	CLA	C1D-ND	3.72	1.42	1.37
13	3	511	CLA	C1D-ND	3.71	1.42	1.37
13	Y	502	CLA	C1D-ND	3.71	1.42	1.37
13	v	507	CLA	C1D-ND	3.71	1.42	1.37
13	A	1109	CLA	C4D-ND	-3.71	1.32	1.37
13	5	504	CLA	C1D-ND	3.71	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	d	507	CLA	C1D-ND	3.71	1.42	1.37
13	B	1204	CLA	C4D-ND	-3.71	1.32	1.37
13	6	516	CLA	C1D-ND	3.71	1.42	1.37
13	c	504	CLA	C1D-ND	3.71	1.42	1.37
13	u	519	CLA	C1D-ND	3.71	1.42	1.37
13	G	1022	CLA	C4D-ND	-3.71	1.32	1.37
13	v	510	CLA	C1D-ND	3.71	1.42	1.37
13	A	1135	CLA	C4D-ND	-3.71	1.32	1.37
13	u	513	CLA	C1D-ND	3.70	1.42	1.37
13	G	1109	CLA	C4D-ND	-3.70	1.32	1.37
13	u	506	CLA	C1D-ND	3.70	1.42	1.37
13	4	508	CLA	C1D-ND	3.70	1.42	1.37
13	6	517	CLA	C1D-ND	3.70	1.42	1.37
13	a	508	CLA	C1D-ND	3.70	1.42	1.37
13	m	1105	CLA	C1D-ND	3.70	1.42	1.37
13	u	502	CLA	C1D-ND	3.70	1.42	1.37
13	e	1022	CLA	C4D-ND	-3.70	1.32	1.37
13	Y	501	CLA	C1D-ND	3.70	1.42	1.37
13	e	1116	CLA	C1D-ND	3.70	1.42	1.37
13	1	511	CLA	C1D-ND	3.70	1.42	1.37
13	f	1203	CLA	C4D-ND	-3.70	1.32	1.37
13	Y	517	CLA	C1D-ND	3.70	1.42	1.37
13	c	510	CLA	C1D-ND	3.70	1.42	1.37
13	v	516	CLA	C1D-ND	3.70	1.42	1.37
13	K	1105	CLA	C1D-ND	3.69	1.42	1.37
13	5	511	CLA	C1D-ND	3.69	1.42	1.37
13	a	511	CLA	C1D-ND	3.69	1.42	1.37
13	U	1105	CLA	C1D-ND	3.69	1.42	1.37
13	a	517	CLA	C1D-ND	3.69	1.42	1.37
13	4	511	CLA	C1D-ND	3.69	1.42	1.37
13	6	504	CLA	C1D-ND	3.69	1.42	1.37
13	a	510	CLA	C1D-ND	3.69	1.42	1.37
13	G	1135	CLA	C4D-ND	-3.69	1.32	1.37
13	1	517	CLA	C1D-ND	3.69	1.42	1.37
13	B	1203	CLA	C4D-ND	-3.69	1.32	1.37
13	v	508	CLA	C1D-ND	3.69	1.42	1.37
13	5	507	CLA	C1D-ND	3.68	1.42	1.37
13	1	501	CLA	C1D-ND	3.68	1.42	1.37
13	3	517	CLA	C1D-ND	3.68	1.42	1.37
13	5	502	CLA	C1D-ND	3.68	1.42	1.37
13	t	508	CLA	C1D-ND	3.68	1.42	1.37
13	2	513	CLA	C1D-ND	3.68	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	L	1502	CLA	C4D-ND	-3.68	1.32	1.37
13	2	519	CLA	C1D-ND	3.68	1.42	1.37
13	q	510	CLA	C1D-ND	3.67	1.42	1.37
13	q	517	CLA	C1D-ND	3.67	1.42	1.37
13	A	1022	CLA	C4D-ND	-3.67	1.32	1.37
13	d	504	CLA	C1D-ND	3.67	1.42	1.37
13	Z	508	CLA	C1D-ND	3.67	1.42	1.37
13	b	511	CLA	C1D-ND	3.67	1.42	1.37
13	u	518	CLA	C1D-ND	3.67	1.42	1.37
13	c	502	CLA	C1D-ND	3.67	1.42	1.37
13	s	517	CLA	C1D-ND	3.67	1.42	1.37
13	3	508	CLA	C1D-ND	3.66	1.42	1.37
13	Z	519	CLA	C1D-ND	3.66	1.42	1.37
13	b	504	CLA	C1D-ND	3.66	1.42	1.37
13	H	1203	CLA	C4D-ND	-3.66	1.32	1.37
13	A	1116	CLA	C1D-ND	3.66	1.42	1.37
13	V	1502	CLA	C4D-ND	-3.66	1.32	1.37
13	1	502	CLA	C1D-ND	3.66	1.42	1.37
13	5	518	CLA	C1D-ND	3.66	1.42	1.37
13	n	1503	CLA	C1D-ND	3.66	1.42	1.37
13	f	1221	CLA	C4D-ND	-3.66	1.32	1.37
13	u	507	CLA	C1D-ND	3.65	1.42	1.37
13	1	509	CLA	C1D-ND	3.65	1.42	1.37
13	c	505	CLA	C1D-ND	3.65	1.42	1.37
13	H	1221	CLA	C4D-ND	-3.65	1.32	1.37
13	r	508	CLA	C1D-ND	3.65	1.42	1.37
13	2	508	CLA	C1D-ND	3.65	1.42	1.37
13	V	1503	CLA	C1D-ND	3.65	1.42	1.37
13	d	517	CLA	C1D-ND	3.65	1.42	1.37
13	e	1103	CLA	C4D-ND	-3.65	1.32	1.37
13	B	1225	CLA	C4D-ND	-3.65	1.32	1.37
13	r	519	CLA	C1D-ND	3.65	1.42	1.37
13	s	509	CLA	C1D-ND	3.65	1.42	1.37
13	d	505	CLA	C1D-ND	3.64	1.42	1.37
13	3	509	CLA	C1D-ND	3.64	1.42	1.37
13	5	501	CLA	C1D-ND	3.64	1.42	1.37
13	c	501	CLA	C1D-ND	3.64	1.42	1.37
13	r	513	CLA	C1D-ND	3.64	1.42	1.37
18	f	1843	LMU	O5'-C1'	3.64	1.51	1.41
18	H	1843	LMU	O5'-C1'	3.64	1.51	1.41
13	L	1503	CLA	C1D-ND	3.64	1.42	1.37
13	Z	510	CLA	C1D-ND	3.64	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	c	507	CLA	C1D-ND	3.64	1.42	1.37
13	Y	509	CLA	C1D-ND	3.64	1.42	1.37
13	a	509	CLA	C1D-ND	3.64	1.42	1.37
13	s	508	CLA	C1D-ND	3.64	1.42	1.37
13	4	505	CLA	C1D-ND	3.64	1.42	1.37
13	2	517	CLA	C1D-ND	3.63	1.42	1.37
13	f	1215	CLA	C4D-ND	-3.63	1.32	1.37
13	q	509	CLA	C1D-ND	3.63	1.42	1.37
13	v	505	CLA	C1D-ND	3.63	1.42	1.37
18	B	1843	LMU	O5'-C1'	3.63	1.51	1.41
13	H	1225	CLA	C4D-ND	-3.63	1.32	1.37
13	6	505	CLA	C1D-ND	3.62	1.42	1.37
13	2	510	CLA	C1D-ND	3.62	1.42	1.37
13	b	505	CLA	C1D-ND	3.62	1.42	1.37
13	v	504	CLA	C1D-ND	3.62	1.42	1.37
13	r	510	CLA	C1D-ND	3.62	1.42	1.37
13	e	1110	CLA	C1D-ND	3.62	1.42	1.37
13	5	505	CLA	C1D-ND	3.62	1.42	1.37
13	s	510	CLA	C1D-ND	3.62	1.42	1.37
13	2	518	CLA	C1D-ND	3.62	1.42	1.37
13	3	510	CLA	C1D-ND	3.62	1.42	1.37
13	r	507	CLA	C1D-ND	3.62	1.42	1.37
13	u	505	CLA	C1D-ND	3.61	1.42	1.37
13	G	1110	CLA	C1D-ND	3.61	1.42	1.37
13	f	1218	CLA	C1D-ND	3.61	1.42	1.37
13	G	1103	CLA	C4D-ND	-3.61	1.32	1.37
13	f	1223	CLA	C4D-ND	-3.61	1.32	1.37
13	q	502	CLA	C1D-ND	3.61	1.42	1.37
13	t	505	CLA	C1D-ND	3.61	1.42	1.37
13	Z	517	CLA	C1D-ND	3.61	1.42	1.37
13	H	1238	CLA	C4D-ND	-3.61	1.32	1.37
13	l	505	CLA	C1D-ND	3.61	1.42	1.37
13	q	511	CLA	C1D-ND	3.61	1.42	1.37
13	e	1120	CLA	C4D-ND	-3.61	1.32	1.37
13	A	1140	CLA	C1D-ND	3.60	1.42	1.37
13	Y	508	CLA	C1D-ND	3.60	1.42	1.37
13	A	1103	CLA	C4D-ND	-3.60	1.32	1.37
13	f	1225	CLA	C4D-ND	-3.60	1.32	1.37
13	B	1221	CLA	C4D-ND	-3.60	1.32	1.37
13	u	501	CLA	C1D-ND	3.60	1.42	1.37
13	H	1215	CLA	C4D-ND	-3.60	1.32	1.37
13	Z	509	CLA	C1D-ND	3.60	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1223	CLA	C4D-ND	-3.60	1.32	1.37
13	e	1136	CLA	C1D-ND	3.60	1.42	1.37
13	L	1501	CLA	C1D-ND	3.60	1.42	1.37
13	e	1801	CLA	C1D-ND	3.60	1.42	1.37
13	q	508	CLA	C1D-ND	3.60	1.42	1.37
13	B	1215	CLA	C4D-ND	-3.60	1.32	1.37
13	l	508	CLA	C1D-ND	3.60	1.42	1.37
13	Z	518	CLA	C1D-ND	3.60	1.42	1.37
13	A	1110	CLA	C1D-ND	3.59	1.42	1.37
13	A	1131	CLA	C1D-ND	3.59	1.42	1.37
13	2	507	CLA	C1D-ND	3.59	1.42	1.37
13	r	517	CLA	C1D-ND	3.59	1.42	1.37
13	H	1222	CLA	C1D-ND	3.59	1.42	1.37
13	H	1211	CLA	C1D-ND	3.59	1.42	1.37
13	V	1501	CLA	C1D-ND	3.59	1.42	1.37
13	f	1222	CLA	C1D-ND	3.59	1.42	1.37
13	H	1209	CLA	C1D-ND	3.59	1.42	1.37
13	B	1222	CLA	C1D-ND	3.59	1.42	1.37
13	e	1131	CLA	C1D-ND	3.59	1.42	1.37
13	2	509	CLA	C1D-ND	3.59	1.42	1.37
13	f	1209	CLA	C1D-ND	3.59	1.42	1.37
13	c	518	CLA	C1D-ND	3.58	1.42	1.37
13	e	1140	CLA	C1D-ND	3.58	1.42	1.37
13	B	1211	CLA	C1D-ND	3.58	1.42	1.37
13	m	1103	CLA	C1D-ND	3.58	1.42	1.37
13	H	1223	CLA	C4D-ND	-3.58	1.32	1.37
13	G	1140	CLA	C1D-ND	3.58	1.42	1.37
13	q	505	CLA	C1D-ND	3.58	1.42	1.37
13	A	1801	CLA	C4D-ND	-3.58	1.32	1.37
13	e	1801	CLA	C4D-ND	-3.58	1.32	1.37
13	G	1140	CLA	C4D-ND	-3.58	1.32	1.37
13	G	1131	CLA	C1D-ND	3.58	1.42	1.37
13	Y	505	CLA	C1D-ND	3.58	1.42	1.37
18	q	902	LMU	O5'-C1'	3.58	1.51	1.41
13	r	509	CLA	C1D-ND	3.58	1.42	1.37
13	s	502	CLA	C1D-ND	3.58	1.42	1.37
13	A	1120	CLA	C4D-ND	-3.57	1.32	1.37
13	A	1122	CLA	C1D-ND	3.57	1.42	1.37
13	H	1218	CLA	C1D-ND	3.57	1.42	1.37
18	l	902	LMU	O5'-C1'	3.57	1.50	1.41
13	u	512	CLA	C1D-ND	3.57	1.42	1.37
13	B	1236	CLA	C1D-ND	3.57	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Z	507	CLA	C1D-ND	3.57	1.42	1.37
18	J	5105	LMU	O5'-C1'	3.57	1.50	1.41
18	l	5105	LMU	O5'-C1'	3.57	1.50	1.41
13	H	1240	CLA	C1D-ND	3.57	1.42	1.37
18	Y	902	LMU	O5'-C1'	3.57	1.50	1.41
13	5	512	CLA	C1D-ND	3.57	1.42	1.37
13	G	1136	CLA	C1D-ND	3.57	1.42	1.37
13	B	1218	CLA	C1D-ND	3.57	1.42	1.37
13	e	1137	CLA	C1D-ND	3.56	1.42	1.37
13	r	518	CLA	C1D-ND	3.56	1.42	1.37
13	G	1122	CLA	C1D-ND	3.56	1.42	1.37
13	A	1140	CLA	C4D-ND	-3.56	1.32	1.37
13	A	1801	CLA	C1D-ND	3.56	1.42	1.37
13	f	1211	CLA	C1D-ND	3.56	1.42	1.37
13	B	1209	CLA	C1D-ND	3.56	1.42	1.37
13	r	502	CLA	C1D-ND	3.56	1.42	1.37
13	2	504	CLA	C1D-ND	3.56	1.42	1.37
13	G	1801	CLA	C4D-ND	-3.55	1.32	1.37
13	s	505	CLA	C1D-ND	3.55	1.42	1.37
18	G	1848	LMU	O5B-C1B	3.55	1.50	1.41
13	H	1230	CLA	C4D-ND	-3.55	1.32	1.37
13	3	502	CLA	C1D-ND	3.55	1.42	1.37
18	T	5105	LMU	O5'-C1'	3.55	1.50	1.41
13	Y	516	CLA	C1D-ND	3.55	1.42	1.37
13	e	1140	CLA	C4D-ND	-3.55	1.32	1.37
13	f	1236	CLA	C1D-ND	3.55	1.42	1.37
13	G	1104	CLA	C4D-ND	-3.54	1.32	1.37
13	f	1238	CLA	C4D-ND	-3.54	1.32	1.37
13	G	1129	CLA	C4D-ND	-3.54	1.32	1.37
13	K	1401	CLA	C1D-ND	3.54	1.42	1.37
13	f	1232	CLA	C1D-ND	3.54	1.42	1.37
13	B	1238	CLA	C4D-ND	-3.54	1.32	1.37
13	l	1302	CLA	C1D-ND	3.54	1.42	1.37
13	A	1136	CLA	C1D-ND	3.54	1.42	1.37
13	U	1103	CLA	C1D-ND	3.54	1.42	1.37
13	J	1302	CLA	C1D-ND	3.54	1.42	1.37
13	e	1129	CLA	C4D-ND	-3.54	1.32	1.37
13	U	1401	CLA	C1D-ND	3.54	1.42	1.37
18	A	1848	LMU	O5B-C1B	3.54	1.50	1.41
13	3	505	CLA	C1D-ND	3.54	1.42	1.37
13	T	1302	CLA	C1D-ND	3.54	1.42	1.37
13	H	1236	CLA	C1D-ND	3.53	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	m	1401	CLA	C1D-ND	3.53	1.42	1.37
13	A	1129	CLA	C4D-ND	-3.53	1.32	1.37
13	H	1224	CLA	C4D-ND	-3.53	1.32	1.37
13	G	1111	CLA	C1D-ND	3.53	1.42	1.37
13	n	1501	CLA	C1D-ND	3.53	1.42	1.37
18	e	1848	LMU	O5B-C1B	3.53	1.50	1.41
13	c	512	CLA	C1D-ND	3.52	1.42	1.37
13	e	1122	CLA	C1D-ND	3.52	1.42	1.37
13	e	1128	CLA	C4D-ND	-3.52	1.32	1.37
13	H	1210	CLA	C1D-ND	3.52	1.42	1.37
13	Y	504	CLA	C1D-ND	3.52	1.42	1.37
13	B	1210	CLA	C1D-ND	3.52	1.42	1.37
13	d	512	CLA	C1D-ND	3.52	1.42	1.37
13	A	1104	CLA	C4D-ND	-3.52	1.32	1.37
13	a	502	CLA	C1D-ND	3.52	1.42	1.37
13	A	1137	CLA	C1D-ND	3.52	1.42	1.37
13	K	1103	CLA	C1D-ND	3.52	1.42	1.37
13	l	516	CLA	C1D-ND	3.52	1.42	1.37
13	J	1303	CLA	C1D-ND	3.52	1.42	1.37
13	l	1303	CLA	C1D-ND	3.52	1.42	1.37
13	G	1120	CLA	C4D-ND	-3.52	1.32	1.37
13	f	1224	CLA	C4D-ND	-3.52	1.32	1.37
13	B	1224	CLA	C4D-ND	-3.51	1.32	1.37
13	Z	504	CLA	C1D-ND	3.51	1.42	1.37
13	f	1210	CLA	C1D-ND	3.51	1.42	1.37
13	v	512	CLA	C1D-ND	3.51	1.42	1.37
13	6	512	CLA	C1D-ND	3.51	1.42	1.37
13	H	1212	CLA	C1D-ND	3.51	1.42	1.37
13	A	1111	CLA	C4D-ND	-3.51	1.32	1.37
13	B	1240	CLA	C1D-ND	3.51	1.42	1.37
13	2	502	CLA	C1D-ND	3.50	1.42	1.37
13	H	1012	CLA	CHC-C1C	3.50	1.44	1.35
13	B	1230	CLA	C4D-ND	-3.50	1.32	1.37
13	G	1128	CLA	C4D-ND	-3.50	1.32	1.37
13	e	1104	CLA	C4D-ND	-3.50	1.32	1.37
13	H	1232	CLA	C1D-ND	3.50	1.42	1.37
13	B	1232	CLA	C1D-ND	3.50	1.42	1.37
13	A	1128	CLA	C4D-ND	-3.50	1.32	1.37
13	G	1107	CLA	C4D-ND	-3.50	1.32	1.37
13	f	1222	CLA	C4D-ND	-3.50	1.32	1.37
13	q	516	CLA	C1D-ND	3.50	1.42	1.37
13	a	505	CLA	C1D-ND	3.49	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	r	504	CLA	C1D-ND	3.49	1.42	1.37
13	H	1226	CLA	CMD-C2D	-3.49	1.43	1.50
13	A	1107	CLA	C4D-ND	-3.49	1.32	1.37
13	B	1222	CLA	C4D-ND	-3.49	1.32	1.37
13	e	1117	CLA	C1D-ND	3.49	1.42	1.37
13	B	1012	CLA	CHC-C1C	3.49	1.43	1.35
13	G	1132	CLA	C4D-ND	-3.49	1.32	1.37
13	G	1111	CLA	C4D-ND	-3.48	1.32	1.37
13	B	1239	CLA	C1D-ND	3.48	1.42	1.37
13	B	1226	CLA	CMD-C2D	-3.48	1.43	1.50
13	A	1106	CLA	C4D-ND	-3.48	1.32	1.37
13	e	1111	CLA	C4D-ND	-3.48	1.32	1.37
13	f	1230	CLA	C4D-ND	-3.48	1.32	1.37
13	f	1236	CLA	C4D-ND	-3.48	1.32	1.37
13	f	1012	CLA	CHC-C1C	3.47	1.43	1.35
13	T	1303	CLA	C1D-ND	3.47	1.42	1.37
13	q	519	CLA	C4D-ND	-3.47	1.32	1.37
13	G	1801	CLA	C1D-ND	3.47	1.42	1.37
13	f	1239	CLA	C1D-ND	3.47	1.42	1.37
13	B	1212	CLA	C1D-ND	3.47	1.42	1.37
13	G	1106	CLA	C4D-ND	-3.47	1.32	1.37
13	A	1117	CLA	C1D-ND	3.47	1.42	1.37
13	f	1226	CLA	CMD-C2D	-3.47	1.43	1.50
13	H	1239	CLA	C1D-ND	3.47	1.42	1.37
13	G	1137	CLA	C1D-ND	3.47	1.42	1.37
13	j	1301	CLA	C1D-ND	3.46	1.42	1.37
13	t	512	CLA	C1D-ND	3.46	1.42	1.37
13	t	519	CLA	C4D-ND	-3.46	1.32	1.37
13	e	1107	CLA	C4D-ND	-3.46	1.32	1.37
13	A	1111	CLA	C1D-ND	3.46	1.42	1.37
13	f	1240	CLA	C1D-ND	3.46	1.42	1.37
13	e	1114	CLA	C1D-ND	3.46	1.42	1.37
13	G	1119	CLA	C4D-ND	-3.45	1.32	1.37
13	l	519	CLA	C4D-ND	-3.45	1.32	1.37
13	H	1222	CLA	C4D-ND	-3.45	1.32	1.37
13	U	1401	CLA	C4D-ND	-3.45	1.32	1.37
13	a	504	CLA	C1D-ND	3.45	1.42	1.37
13	l	504	CLA	C1D-ND	3.45	1.42	1.37
13	G	1114	CLA	C1D-ND	3.45	1.42	1.37
13	R	1301	CLA	C1D-ND	3.45	1.42	1.37
13	b	512	CLA	C1D-ND	3.45	1.42	1.37
13	G	1117	CLA	C1D-ND	3.45	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Z	502	CLA	C1D-ND	3.45	1.42	1.37
13	B	1208	CLA	C1D-ND	3.45	1.42	1.37
13	F	1301	CLA	C1D-ND	3.45	1.42	1.37
13	f	1212	CLA	C1D-ND	3.45	1.42	1.37
13	s	504	CLA	C1D-ND	3.45	1.42	1.37
13	e	1105	CLA	C1D-ND	3.45	1.42	1.37
13	A	1114	CLA	C1D-ND	3.44	1.42	1.37
13	G	1134	CLA	C1D-ND	3.44	1.42	1.37
13	K	1401	CLA	C4D-ND	-3.44	1.33	1.37
13	A	1122	CLA	C4D-ND	-3.44	1.33	1.37
13	A	1115	CLA	C4D-ND	-3.44	1.33	1.37
13	f	1208	CLA	C1D-ND	3.44	1.42	1.37
13	f	1213	CLA	C1D-ND	3.43	1.42	1.37
13	A	1134	CLA	C1D-ND	3.43	1.42	1.37
13	G	1105	CLA	C1D-ND	3.43	1.42	1.37
13	A	1119	CLA	C4D-ND	-3.43	1.33	1.37
13	4	512	CLA	C1D-ND	3.43	1.42	1.37
13	e	1109	CLA	C1D-ND	3.43	1.42	1.37
13	H	1210	CLA	C4D-ND	-3.43	1.33	1.37
13	Y	518	CLA	C4D-ND	-3.43	1.33	1.37
13	B	1220	CLA	C1D-ND	3.43	1.42	1.37
18	Z	901	LMU	O5'-C1'	3.43	1.50	1.41
13	f	1201	CLA	C1D-ND	3.43	1.42	1.37
13	H	1236	CLA	C4D-ND	-3.43	1.33	1.37
13	e	1127	CLA	C4D-ND	-3.43	1.33	1.37
18	H	1843	LMU	O5B-C1B	3.43	1.50	1.41
13	B	1207	CLA	C1D-ND	3.43	1.42	1.37
13	f	1207	CLA	C1D-ND	3.42	1.42	1.37
13	e	1132	CLA	C4D-ND	-3.42	1.33	1.37
18	2	901	LMU	O5'-C1'	3.42	1.50	1.41
13	A	1108	CLA	C1D-ND	3.42	1.42	1.37
13	H	1207	CLA	C1D-ND	3.42	1.42	1.37
13	H	1220	CLA	C1D-ND	3.42	1.42	1.37
18	f	1843	LMU	O5B-C1B	3.42	1.50	1.41
13	e	1134	CLA	C1D-ND	3.42	1.42	1.37
13	q	504	CLA	C1D-ND	3.42	1.42	1.37
13	B	1236	CLA	C4D-ND	-3.42	1.33	1.37
14	B	2002	PQN	C3-C4	-3.42	1.38	1.47
13	H	1208	CLA	C1D-ND	3.42	1.42	1.37
13	e	1136	CLA	C4D-ND	-3.42	1.33	1.37
13	H	1206	CLA	CMB-C2B	-3.42	1.44	1.51
13	e	1122	CLA	C4D-ND	-3.42	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	2002	PQN	C3-C4	-3.42	1.38	1.47
13	e	1137	CLA	C4D-ND	-3.42	1.33	1.37
18	B	1843	LMU	O5B-C1B	3.42	1.50	1.41
13	A	1136	CLA	C4D-ND	-3.41	1.33	1.37
13	G	1115	CLA	C4D-ND	-3.41	1.33	1.37
13	e	1106	CLA	C4D-ND	-3.41	1.33	1.37
13	A	1132	CLA	C4D-ND	-3.41	1.33	1.37
13	f	1223	CLA	C1D-ND	3.41	1.42	1.37
13	G	1122	CLA	C4D-ND	-3.41	1.33	1.37
18	r	901	LMU	O5'-C1'	3.41	1.50	1.41
13	2	505	CLA	C1D-ND	3.41	1.42	1.37
13	3	504	CLA	C1D-ND	3.41	1.42	1.37
13	H	1216	CLA	CMB-C2B	-3.41	1.44	1.51
13	B	1201	CLA	C1D-ND	3.41	1.42	1.37
13	B	1213	CLA	C1D-ND	3.41	1.42	1.37
13	G	1127	CLA	C4D-ND	-3.41	1.33	1.37
13	B	1206	CLA	CMB-C2B	-3.41	1.44	1.51
13	f	1235	CLA	C1D-ND	3.41	1.42	1.37
13	Z	505	CLA	C1D-ND	3.41	1.42	1.37
13	G	1125	CLA	C4D-ND	-3.41	1.33	1.37
13	e	1123	CLA	C1D-ND	3.41	1.42	1.37
13	1	518	CLA	C4D-ND	-3.40	1.33	1.37
13	Y	519	CLA	C4D-ND	-3.40	1.33	1.37
13	A	1105	CLA	C1D-ND	3.40	1.42	1.37
13	f	1220	CLA	C1D-ND	3.40	1.42	1.37
13	s	516	CLA	C1D-ND	3.40	1.42	1.37
13	B	1210	CLA	C4D-ND	-3.40	1.33	1.37
13	e	1108	CLA	C1D-ND	3.40	1.42	1.37
13	A	1125	CLA	C4D-ND	-3.40	1.33	1.37
13	A	1123	CLA	C1D-ND	3.40	1.42	1.37
13	e	1132	CLA	C1D-ND	3.40	1.42	1.37
13	4	519	CLA	C4D-ND	-3.40	1.33	1.37
13	e	1111	CLA	C1D-ND	3.40	1.42	1.37
13	G	1137	CLA	C4D-ND	-3.40	1.33	1.37
13	B	1202	CLA	C4D-ND	-3.40	1.33	1.37
13	f	1216	CLA	CMB-C2B	-3.40	1.44	1.51
13	B	1223	CLA	C1D-ND	3.39	1.42	1.37
13	H	1235	CLA	C1D-ND	3.39	1.42	1.37
13	H	1213	CLA	C1D-ND	3.39	1.42	1.37
13	A	1108	CLA	C4D-ND	-3.39	1.33	1.37
13	H	1228	CLA	C4D-ND	-3.39	1.33	1.37
13	q	518	CLA	C4D-ND	-3.39	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	3	516	CLA	C1D-ND	3.39	1.41	1.37
13	G	1115	CLA	C1D-ND	3.39	1.41	1.37
13	a	516	CLA	C1D-ND	3.39	1.41	1.37
14	f	2002	PQN	C3-C4	-3.39	1.38	1.47
13	A	1127	CLA	C4D-ND	-3.39	1.33	1.37
13	A	1137	CLA	C4D-ND	-3.38	1.33	1.37
13	e	1119	CLA	C4D-ND	-3.38	1.33	1.37
13	f	1210	CLA	C4D-ND	-3.38	1.33	1.37
13	A	1132	CLA	C1D-ND	3.38	1.41	1.37
13	e	1115	CLA	C4D-ND	-3.38	1.33	1.37
13	G	1121	CLA	C1D-ND	3.38	1.41	1.37
13	B	1228	CLA	C4D-ND	-3.38	1.33	1.37
13	B	1235	CLA	C1D-ND	3.38	1.41	1.37
13	A	1109	CLA	C1D-ND	3.38	1.41	1.37
13	G	1108	CLA	C1D-ND	3.38	1.41	1.37
13	f	1228	CLA	C4D-ND	-3.38	1.33	1.37
13	H	1202	CLA	C4D-ND	-3.37	1.33	1.37
13	A	1130	CLA	C1D-ND	3.37	1.41	1.37
13	m	1401	CLA	C4D-ND	-3.37	1.33	1.37
13	G	1136	CLA	C4D-ND	-3.36	1.33	1.37
13	e	1108	CLA	C4D-ND	-3.36	1.33	1.37
13	f	1235	CLA	C4D-ND	-3.36	1.33	1.37
13	e	1121	CLA	C1D-ND	3.36	1.41	1.37
13	H	1235	CLA	C4D-ND	-3.36	1.33	1.37
14	A	2001	PQN	C3-C2	3.36	1.41	1.35
14	G	2001	PQN	C3-C2	3.36	1.41	1.35
13	H	1021	CLA	C4D-ND	-3.36	1.33	1.37
13	G	1123	CLA	C1D-ND	3.36	1.41	1.37
13	H	1223	CLA	C1D-ND	3.36	1.41	1.37
13	r	505	CLA	C1D-ND	3.36	1.41	1.37
13	H	1216	CLA	C4D-ND	-3.36	1.33	1.37
13	H	1201	CLA	C1D-ND	3.36	1.41	1.37
13	B	1021	CLA	C4D-ND	-3.36	1.33	1.37
13	B	1216	CLA	C4D-ND	-3.36	1.33	1.37
13	f	1206	CLA	CMB-C2B	-3.36	1.44	1.51
13	e	1125	CLA	C4D-ND	-3.35	1.33	1.37
13	G	1109	CLA	C1D-ND	3.35	1.41	1.37
13	H	1208	CLA	C4D-ND	-3.35	1.33	1.37
13	R	1301	CLA	C4D-ND	-3.35	1.33	1.37
13	f	1231	CLA	C4D-ND	-3.35	1.33	1.37
13	L	1503	CLA	C4D-ND	-3.35	1.33	1.37
13	G	1108	CLA	C4D-ND	-3.35	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1216	CLA	CMB-C2B	-3.35	1.44	1.51
13	f	1202	CLA	C4D-ND	-3.35	1.33	1.37
13	H	1201	CLA	C4D-ND	-3.35	1.33	1.37
13	f	1227	CLA	C4D-ND	-3.35	1.33	1.37
13	4	519	CLA	C1D-ND	3.35	1.41	1.37
14	G	2001	PQN	C3-C4	-3.34	1.38	1.47
13	f	1207	CLA	C4D-ND	-3.34	1.33	1.37
13	H	1203	CLA	C1D-ND	3.34	1.41	1.37
13	A	1114	CLA	C4D-ND	-3.34	1.33	1.37
13	H	1214	CLA	C1D-ND	3.34	1.41	1.37
13	G	1138	CLA	C1D-ND	3.34	1.41	1.37
13	t	519	CLA	C1D-ND	3.34	1.41	1.37
13	b	519	CLA	C4D-ND	-3.34	1.33	1.37
13	B	1207	CLA	C4D-ND	-3.34	1.33	1.37
13	n	1503	CLA	C4D-ND	-3.34	1.33	1.37
13	V	1503	CLA	C4D-ND	-3.34	1.33	1.37
13	t	508	CLA	CMB-C2B	-3.34	1.44	1.51
13	G	1139	CLA	CHC-C1C	3.34	1.43	1.35
13	G	1237	CLA	C1D-ND	3.33	1.41	1.37
14	e	2001	PQN	C3-C4	-3.33	1.38	1.47
13	e	1127	CLA	C1D-ND	3.33	1.41	1.37
13	e	1237	CLA	C1D-ND	3.33	1.41	1.37
13	f	1231	CLA	C1D-ND	3.33	1.41	1.37
13	A	1121	CLA	C1D-ND	3.33	1.41	1.37
13	e	1138	CLA	C1D-ND	3.33	1.41	1.37
13	H	1227	CLA	C4D-ND	-3.33	1.33	1.37
13	B	1203	CLA	C1D-ND	3.33	1.41	1.37
14	e	2001	PQN	C3-C2	3.33	1.41	1.35
13	F	1301	CLA	C4D-ND	-3.33	1.33	1.37
13	f	1216	CLA	C4D-ND	-3.33	1.33	1.37
13	G	1113	CLA	C1D-ND	3.33	1.41	1.37
13	A	1138	CLA	C4D-ND	-3.33	1.33	1.37
13	B	1235	CLA	C4D-ND	-3.33	1.33	1.37
13	H	1207	CLA	C4D-ND	-3.33	1.33	1.37
14	A	2001	PQN	C3-C4	-3.33	1.38	1.47
13	e	1130	CLA	C1D-ND	3.33	1.41	1.37
13	e	1114	CLA	C4D-ND	-3.33	1.33	1.37
13	G	1132	CLA	C1D-ND	3.33	1.41	1.37
13	G	1138	CLA	C4D-ND	-3.33	1.33	1.37
13	f	1021	CLA	C4D-ND	-3.33	1.33	1.37
13	b	519	CLA	C1D-ND	3.33	1.41	1.37
13	A	1115	CLA	C1D-ND	3.32	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1237	CLA	C1D-ND	3.32	1.41	1.37
13	G	1130	CLA	C1D-ND	3.32	1.41	1.37
13	b	508	CLA	CMB-C2B	-3.32	1.44	1.51
13	H	1231	CLA	C4D-ND	-3.32	1.33	1.37
13	j	1302	CLA	C1D-ND	3.31	1.41	1.37
13	e	1139	CLA	CHC-C1C	3.31	1.43	1.35
13	e	1013	CLA	C4D-ND	-3.31	1.33	1.37
13	A	1139	CLA	CHC-C1C	3.31	1.43	1.35
13	s	512	CLA	C1D-ND	3.31	1.41	1.37
13	4	508	CLA	CMB-C2B	-3.31	1.44	1.51
13	B	1227	CLA	C4D-ND	-3.31	1.33	1.37
13	f	1201	CLA	C4D-ND	-3.31	1.33	1.37
13	B	1201	CLA	C4D-ND	-3.31	1.33	1.37
13	G	1013	CLA	C4D-ND	-3.31	1.33	1.37
13	B	1208	CLA	C4D-ND	-3.31	1.33	1.37
13	B	1206	CLA	C4D-ND	-3.31	1.33	1.37
13	B	1214	CLA	C1D-ND	3.31	1.41	1.37
13	B	1222	CLA	CHC-C1C	3.31	1.43	1.35
13	f	1222	CLA	CHC-C1C	3.30	1.43	1.35
13	A	1138	CLA	C1D-ND	3.30	1.41	1.37
13	A	1013	CLA	C4D-ND	-3.30	1.33	1.37
13	H	1222	CLA	CHC-C1C	3.30	1.43	1.35
13	B	1231	CLA	C1D-ND	3.30	1.41	1.37
13	G	1127	CLA	C1D-ND	3.30	1.41	1.37
13	j	1301	CLA	C4D-ND	-3.30	1.33	1.37
13	m	1103	CLA	C4D-ND	-3.30	1.33	1.37
13	A	1127	CLA	C1D-ND	3.30	1.41	1.37
13	H	1231	CLA	C1D-ND	3.30	1.41	1.37
13	e	1138	CLA	C4D-ND	-3.30	1.33	1.37
13	B	1231	CLA	C4D-ND	-3.29	1.33	1.37
13	l	512	CLA	C1D-ND	3.29	1.41	1.37
13	G	1125	CLA	C1D-ND	3.29	1.41	1.37
13	a	512	CLA	C1D-ND	3.29	1.41	1.37
13	e	1115	CLA	C1D-ND	3.29	1.41	1.37
13	G	1126	CLA	C1D-ND	3.29	1.41	1.37
13	G	1114	CLA	C4D-ND	-3.29	1.33	1.37
13	e	1139	CLA	C4D-ND	-3.29	1.33	1.37
13	B	1215	CLA	C1D-ND	3.29	1.41	1.37
13	f	1208	CLA	C4D-ND	-3.29	1.33	1.37
13	Y	519	CLA	C1D-ND	3.29	1.41	1.37
13	A	1126	CLA	C1D-ND	3.28	1.41	1.37
13	H	1219	CLA	C4D-ND	-3.28	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1229	CLA	CHC-C1C	3.28	1.43	1.35
13	A	1113	CLA	C1D-ND	3.28	1.41	1.37
13	H	1215	CLA	C1D-ND	3.28	1.41	1.37
13	q	512	CLA	C1D-ND	3.27	1.41	1.37
13	A	1102	CLA	CHC-C1C	3.27	1.43	1.35
13	f	1219	CLA	C1D-ND	3.27	1.41	1.37
13	Y	508	CLA	C4D-ND	-3.27	1.33	1.37
13	f	1203	CLA	C1D-ND	3.27	1.41	1.37
13	Y	512	CLA	C1D-ND	3.27	1.41	1.37
13	A	1124	CLA	C4D-ND	-3.27	1.33	1.37
13	e	1113	CLA	C1D-ND	3.27	1.41	1.37
13	G	1102	CLA	CHC-C1C	3.27	1.43	1.35
13	l	519	CLA	C1D-ND	3.27	1.41	1.37
13	H	1206	CLA	C4D-ND	-3.27	1.33	1.37
13	f	1206	CLA	C4D-ND	-3.27	1.33	1.37
13	e	1124	CLA	C4D-ND	-3.27	1.33	1.37
13	B	1219	CLA	C4D-ND	-3.27	1.33	1.37
13	G	1139	CLA	C4D-ND	-3.26	1.33	1.37
13	G	1124	CLA	C4D-ND	-3.26	1.33	1.37
13	f	1214	CLA	C1D-ND	3.26	1.41	1.37
13	B	1229	CLA	CHC-C1C	3.26	1.43	1.35
13	e	1126	CLA	C1D-ND	3.26	1.41	1.37
13	B	1219	CLA	C1D-ND	3.26	1.41	1.37
13	F	1302	CLA	C1D-ND	3.26	1.41	1.37
13	f	1226	CLA	C4D-ND	-3.25	1.33	1.37
13	e	1102	CLA	CHC-C1C	3.25	1.43	1.35
13	A	1139	CLA	C4D-ND	-3.25	1.33	1.37
13	Z	512	CLA	C1D-ND	3.25	1.41	1.37
13	f	1215	CLA	C1D-ND	3.25	1.41	1.37
13	3	512	CLA	C1D-ND	3.25	1.41	1.37
13	u	513	CLA	CHC-C1C	3.25	1.43	1.35
13	A	1125	CLA	C1D-ND	3.25	1.41	1.37
13	G	1119	CLA	C1D-ND	3.25	1.41	1.37
13	A	1237	CLA	C4D-ND	-3.24	1.33	1.37
13	H	1229	CLA	CHC-C1C	3.24	1.43	1.35
13	f	1212	CLA	C4D-ND	-3.24	1.33	1.37
13	K	1103	CLA	C4D-ND	-3.24	1.33	1.37
13	H	1205	CLA	C4D-ND	-3.24	1.33	1.37
13	G	1101	CLA	C4D-ND	-3.24	1.33	1.37
13	e	1125	CLA	C1D-ND	3.24	1.41	1.37
13	A	1101	CLA	C4D-ND	-3.24	1.33	1.37
13	G	1237	CLA	C4D-ND	-3.24	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1214	CLA	C4D-ND	-3.24	1.33	1.37
13	G	1116	CLA	C4D-ND	-3.24	1.33	1.37
13	H	1012	CLA	C4D-ND	-3.23	1.33	1.37
13	e	1118	CLA	C1D-ND	3.23	1.41	1.37
13	B	1205	CLA	C4D-ND	-3.23	1.33	1.37
13	q	519	CLA	C1D-ND	3.23	1.41	1.37
13	B	1240	CLA	C4D-ND	-3.23	1.33	1.37
13	f	1221	CLA	C1D-ND	3.23	1.41	1.37
13	e	1237	CLA	C4D-ND	-3.23	1.33	1.37
13	e	1101	CLA	C4D-ND	-3.23	1.33	1.37
13	A	1102	CLA	C4D-ND	-3.23	1.33	1.37
13	e	1105	CLA	C4D-ND	-3.23	1.33	1.37
13	f	1228	CLA	C1D-ND	3.23	1.41	1.37
13	e	1118	CLA	C4D-ND	-3.22	1.33	1.37
13	A	1105	CLA	C4D-ND	-3.22	1.33	1.37
13	B	1212	CLA	C4D-ND	-3.22	1.33	1.37
13	1	508	CLA	C4D-ND	-3.22	1.33	1.37
13	f	1240	CLA	C4D-ND	-3.22	1.33	1.37
13	r	512	CLA	C1D-ND	3.22	1.41	1.37
13	G	1118	CLA	C1D-ND	3.22	1.41	1.37
13	V	1501	CLA	C4D-ND	-3.22	1.33	1.37
13	f	1012	CLA	C4D-ND	-3.22	1.33	1.37
13	B	1012	CLA	C4D-ND	-3.22	1.33	1.37
13	f	1205	CLA	C1D-ND	3.22	1.41	1.37
13	G	1102	CLA	C4D-ND	-3.22	1.33	1.37
13	f	1219	CLA	C4D-ND	-3.22	1.33	1.37
13	B	1230	CLA	C1D-ND	3.22	1.41	1.37
13	2	512	CLA	C1D-ND	3.22	1.41	1.37
13	H	1240	CLA	C4D-ND	-3.22	1.33	1.37
13	A	1116	CLA	C4D-ND	-3.22	1.33	1.37
13	5	513	CLA	CHC-C1C	3.21	1.43	1.35
13	G	1113	CLA	C4D-ND	-3.21	1.33	1.37
13	G	1101	CLA	C1D-ND	3.21	1.41	1.37
13	f	1205	CLA	C4D-ND	-3.21	1.33	1.37
13	B	1232	CLA	C4D-ND	-3.21	1.33	1.37
13	u	519	CLA	C4D-ND	-3.21	1.33	1.37
13	B	1224	CLA	C1D-ND	3.21	1.41	1.37
13	L	1501	CLA	C4D-ND	-3.21	1.33	1.37
13	f	1023	CLA	CHC-C1C	3.21	1.43	1.35
13	c	513	CLA	CHC-C1C	3.21	1.43	1.35
13	G	1133	CLA	C4D-ND	-3.21	1.33	1.37
13	R	1302	CLA	C1D-ND	3.21	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	e	1133	CLA	C1D-ND	3.21	1.41	1.37
13	B	1214	CLA	C4D-ND	-3.21	1.33	1.37
13	5	519	CLA	C4D-ND	-3.21	1.33	1.37
13	G	1112	CLA	C1D-ND	3.21	1.41	1.37
13	H	1218	CLA	C4D-ND	-3.21	1.33	1.37
13	c	519	CLA	C4D-ND	-3.21	1.33	1.37
13	H	1212	CLA	C4D-ND	-3.21	1.33	1.37
13	A	1119	CLA	C1D-ND	3.20	1.41	1.37
20	b	822	SQD	O47-C7	3.20	1.42	1.35
20	v	822	SQD	O47-C7	3.20	1.42	1.35
13	H	1224	CLA	C1D-ND	3.20	1.41	1.37
13	H	1227	CLA	C1D-ND	3.20	1.41	1.37
13	F	1302	CLA	C4D-ND	-3.20	1.33	1.37
13	H	1217	CLA	C1D-ND	3.20	1.41	1.37
13	H	1221	CLA	C1D-ND	3.20	1.41	1.37
13	f	1232	CLA	C4D-ND	-3.20	1.33	1.37
13	e	1116	CLA	C4D-ND	-3.20	1.33	1.37
13	e	1119	CLA	C1D-ND	3.20	1.41	1.37
13	n	1501	CLA	C4D-ND	-3.20	1.33	1.37
20	4	822	SQD	O47-C7	3.20	1.42	1.35
13	B	1205	CLA	C1D-ND	3.20	1.41	1.37
13	e	1121	CLA	C4D-ND	-3.20	1.33	1.37
13	q	508	CLA	C4D-ND	-3.20	1.33	1.37
13	A	1112	CLA	CHC-C1C	3.20	1.43	1.35
13	e	1133	CLA	C4D-ND	-3.20	1.33	1.37
20	6	822	SQD	O47-C7	3.20	1.42	1.35
13	l	506	CLA	CHC-C1C	3.20	1.43	1.35
13	j	1302	CLA	C4D-ND	-3.19	1.33	1.37
13	H	1205	CLA	C1D-ND	3.19	1.41	1.37
13	q	506	CLA	CHC-C1C	3.19	1.43	1.35
13	H	1239	CLA	CMB-C2B	-3.19	1.45	1.51
20	n	5216	SQD	O48-C23	3.19	1.42	1.33
13	R	1302	CLA	C4D-ND	-3.19	1.33	1.37
13	Z	509	CLA	CHC-C1C	3.19	1.43	1.35
13	e	1112	CLA	CHC-C1C	3.19	1.43	1.35
13	H	1238	CLA	C1D-ND	3.19	1.41	1.37
13	G	1105	CLA	C4D-ND	-3.19	1.33	1.37
13	d	504	CLA	CHC-C1C	3.19	1.43	1.35
13	H	1220	CLA	C4D-ND	-3.19	1.33	1.37
20	d	822	SQD	O47-C7	3.19	1.42	1.35
13	6	504	CLA	CHC-C1C	3.19	1.43	1.35
13	A	1133	CLA	C4D-ND	-3.19	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	r	509	CLA	CHC-C1C	3.19	1.43	1.35
20	L	5216	SQD	O48-C23	3.19	1.42	1.33
13	A	1101	CLA	C1D-ND	3.19	1.41	1.37
13	H	1219	CLA	C1D-ND	3.19	1.41	1.37
13	B	1023	CLA	CHC-C1C	3.19	1.43	1.35
13	v	516	CLA	CHC-C1C	3.19	1.43	1.35
13	G	1013	CLA	CHC-C1C	3.19	1.43	1.35
13	B	1220	CLA	C4D-ND	-3.18	1.33	1.37
13	H	1226	CLA	C4D-ND	-3.18	1.33	1.37
13	d	516	CLA	CHC-C1C	3.18	1.43	1.35
13	A	1112	CLA	C1D-ND	3.18	1.41	1.37
13	A	1133	CLA	C1D-ND	3.18	1.41	1.37
13	B	1226	CLA	C4D-ND	-3.18	1.33	1.37
13	B	1211	CLA	C4D-ND	-3.18	1.33	1.37
13	2	509	CLA	CHC-C1C	3.18	1.43	1.35
13	e	1113	CLA	C4D-ND	-3.18	1.33	1.37
13	B	1238	CLA	C1D-ND	3.18	1.41	1.37
13	e	1102	CLA	C4D-ND	-3.18	1.33	1.37
13	H	1221	CLA	CHC-C1C	3.18	1.43	1.35
13	Y	506	CLA	CHC-C1C	3.18	1.43	1.35
13	B	1221	CLA	C1D-ND	3.18	1.41	1.37
13	U	1103	CLA	C4D-ND	-3.18	1.33	1.37
13	6	516	CLA	CHC-C1C	3.18	1.43	1.35
13	A	1118	CLA	C1D-ND	3.18	1.41	1.37
13	H	1021	CLA	C1D-ND	3.18	1.41	1.37
13	d	506	CLA	CHC-C1C	3.18	1.43	1.35
13	A	1113	CLA	C4D-ND	-3.18	1.33	1.37
13	G	1104	CLA	C1D-ND	3.17	1.41	1.37
13	H	1214	CLA	C4D-ND	-3.17	1.33	1.37
13	G	1118	CLA	C4D-ND	-3.17	1.33	1.37
20	V	5216	SQD	O48-C23	3.17	1.42	1.33
13	A	1104	CLA	C1D-ND	3.17	1.41	1.37
13	B	1227	CLA	C1D-ND	3.17	1.41	1.37
13	f	1211	CLA	C4D-ND	-3.17	1.33	1.37
13	B	1221	CLA	CHC-C1C	3.17	1.43	1.35
13	G	1130	CLA	CHC-C1C	3.17	1.43	1.35
13	G	1112	CLA	CHC-C1C	3.17	1.43	1.35
13	A	1118	CLA	C4D-ND	-3.17	1.33	1.37
13	B	1218	CLA	C4D-ND	-3.17	1.33	1.37
13	s	516	CLA	C4D-ND	-3.17	1.33	1.37
13	b	516	CLA	CHC-C1C	3.17	1.43	1.35
13	H	1230	CLA	C1D-ND	3.17	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1121	CLA	C4D-ND	-3.17	1.33	1.37
13	2	513	CLA	CHC-C1C	3.17	1.43	1.35
13	6	506	CLA	CHC-C1C	3.17	1.43	1.35
13	f	1221	CLA	CHC-C1C	3.17	1.43	1.35
13	H	1228	CLA	C1D-ND	3.17	1.41	1.37
13	e	1130	CLA	CHC-C1C	3.17	1.43	1.35
13	B	1021	CLA	C1D-ND	3.17	1.41	1.37
13	s	513	CLA	CHC-C1C	3.17	1.43	1.35
13	f	1224	CLA	C1D-ND	3.16	1.41	1.37
20	t	822	SQD	O47-C7	3.16	1.42	1.35
13	H	1023	CLA	CHC-C1C	3.16	1.43	1.35
13	r	513	CLA	CHC-C1C	3.16	1.43	1.35
13	t	513	CLA	CHC-C1C	3.16	1.43	1.35
13	v	504	CLA	CHC-C1C	3.16	1.43	1.35
13	A	1110	CLA	C4D-ND	-3.16	1.33	1.37
13	H	1232	CLA	C4D-ND	-3.16	1.33	1.37
13	d	518	CLA	CHC-C1C	3.16	1.43	1.35
13	f	1218	CLA	C4D-ND	-3.16	1.33	1.37
13	A	1121	CLA	C4D-ND	-3.16	1.33	1.37
13	l	510	CLA	CHC-C1C	3.16	1.43	1.35
13	d	513	CLA	CHC-C1C	3.16	1.43	1.35
13	A	1130	CLA	CHC-C1C	3.16	1.43	1.35
13	u	519	CLA	CHC-C1C	3.16	1.43	1.35
13	v	506	CLA	CHC-C1C	3.16	1.43	1.35
13	s	508	CLA	CMB-C2B	-3.16	1.45	1.51
13	6	513	CLA	CHC-C1C	3.16	1.43	1.35
13	q	510	CLA	CHC-C1C	3.16	1.43	1.35
13	f	1238	CLA	C1D-ND	3.16	1.41	1.37
13	f	1230	CLA	C1D-ND	3.16	1.41	1.37
13	v	518	CLA	CHC-C1C	3.16	1.43	1.35
13	d	519	CLA	CHC-C1C	3.16	1.43	1.35
13	t	516	CLA	CHC-C1C	3.16	1.43	1.35
13	4	513	CLA	CHC-C1C	3.16	1.43	1.35
13	B	1228	CLA	C1D-ND	3.16	1.41	1.37
13	e	1101	CLA	C1D-ND	3.16	1.41	1.37
13	n	1502	CLA	CHC-C1C	3.15	1.43	1.35
13	Z	519	CLA	C4D-ND	-3.15	1.33	1.37
13	6	518	CLA	CHC-C1C	3.15	1.43	1.35
13	B	1239	CLA	CMB-C2B	-3.15	1.45	1.51
13	f	1239	CLA	C4D-ND	-3.15	1.33	1.37
13	3	508	CLA	CMB-C2B	-3.15	1.45	1.51
13	f	1239	CLA	CMB-C2B	-3.15	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1102	CLA	C1D-ND	3.15	1.41	1.37
13	a	508	CLA	CMB-C2B	-3.15	1.45	1.51
13	A	1119	CLA	CMB-C2B	-3.15	1.45	1.51
13	e	1110	CLA	C4D-ND	-3.15	1.33	1.37
13	2	510	CLA	CHC-C1C	3.15	1.43	1.35
13	G	1119	CLA	CMB-C2B	-3.15	1.45	1.51
13	4	510	CLA	CHC-C1C	3.15	1.43	1.35
13	c	519	CLA	CHC-C1C	3.15	1.43	1.35
13	Y	518	CLA	C1D-ND	3.15	1.41	1.37
13	A	1013	CLA	CHC-C1C	3.15	1.43	1.35
13	6	519	CLA	CHC-C1C	3.15	1.43	1.35
13	e	1104	CLA	C1D-ND	3.15	1.41	1.37
13	B	1217	CLA	C1D-ND	3.15	1.41	1.37
13	H	1211	CLA	C4D-ND	-3.15	1.33	1.37
13	r	510	CLA	CHC-C1C	3.15	1.43	1.35
13	G	1133	CLA	C1D-ND	3.15	1.41	1.37
13	4	516	CLA	CHC-C1C	3.15	1.43	1.35
13	e	1119	CLA	CMB-C2B	-3.15	1.45	1.51
13	L	1502	CLA	CHC-C1C	3.15	1.43	1.35
13	Y	510	CLA	CHC-C1C	3.14	1.43	1.35
13	e	1112	CLA	C1D-ND	3.14	1.41	1.37
13	G	1131	CLA	C4D-ND	-3.14	1.33	1.37
13	Z	512	CLA	C4D-ND	-3.14	1.33	1.37
13	Z	513	CLA	CHC-C1C	3.14	1.43	1.35
13	3	513	CLA	CHC-C1C	3.14	1.43	1.35
13	c	509	CLA	CHC-C1C	3.14	1.43	1.35
13	v	519	CLA	CHC-C1C	3.14	1.43	1.35
13	u	510	CLA	CHC-C1C	3.14	1.43	1.35
13	V	1502	CLA	CHC-C1C	3.14	1.43	1.35
13	Z	519	CLA	CHC-C1C	3.14	1.43	1.35
13	f	1227	CLA	CHC-C1C	3.14	1.43	1.35
13	f	1227	CLA	C1D-ND	3.14	1.41	1.37
13	B	1239	CLA	C4D-ND	-3.14	1.33	1.37
13	e	1117	CLA	C4D-ND	-3.14	1.33	1.37
13	q	516	CLA	CHC-C1C	3.14	1.43	1.35
13	v	513	CLA	CHC-C1C	3.13	1.43	1.35
13	b	506	CLA	CHC-C1C	3.13	1.43	1.35
13	e	1112	CLA	C4D-ND	-3.13	1.33	1.37
13	5	519	CLA	CHC-C1C	3.13	1.43	1.35
13	A	1131	CLA	C4D-ND	-3.13	1.33	1.37
13	t	506	CLA	CHC-C1C	3.13	1.43	1.35
13	B	1227	CLA	CHC-C1C	3.13	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	4	506	CLA	CHC-C1C	3.13	1.43	1.35
13	b	513	CLA	CHC-C1C	3.13	1.43	1.35
13	b	510	CLA	CHC-C1C	3.13	1.43	1.35
13	u	509	CLA	CHC-C1C	3.13	1.43	1.35
13	5	518	CLA	CHC-C1C	3.13	1.43	1.35
13	a	509	CLA	CHC-C1C	3.13	1.43	1.35
13	1	516	CLA	CHC-C1C	3.13	1.43	1.35
13	A	1117	CLA	C4D-ND	-3.13	1.33	1.37
13	G	1114	CLA	CMB-C2B	-3.13	1.45	1.51
13	f	1220	CLA	C4D-ND	-3.13	1.33	1.37
13	Z	510	CLA	CHC-C1C	3.13	1.43	1.35
13	A	1112	CLA	C4D-ND	-3.12	1.33	1.37
13	e	1114	CLA	CMB-C2B	-3.12	1.45	1.51
13	e	1013	CLA	CHC-C1C	3.12	1.43	1.35
13	q	511	CLA	CHC-C1C	3.12	1.43	1.35
13	H	1239	CLA	C4D-ND	-3.12	1.33	1.37
13	6	510	CLA	CHC-C1C	3.12	1.43	1.35
13	c	518	CLA	CHC-C1C	3.12	1.43	1.35
13	v	510	CLA	CHC-C1C	3.12	1.43	1.35
20	q	822	SQD	O48-C23	3.12	1.42	1.33
13	4	504	CLA	CHC-C1C	3.12	1.43	1.35
13	b	504	CLA	CHC-C1C	3.12	1.43	1.35
13	t	510	CLA	CHC-C1C	3.12	1.43	1.35
13	e	1131	CLA	C4D-ND	-3.12	1.33	1.37
13	a	513	CLA	CHC-C1C	3.12	1.43	1.35
14	B	2002	PQN	C3-C2	3.12	1.40	1.35
13	Y	511	CLA	CHC-C1C	3.12	1.43	1.35
13	c	510	CLA	CHC-C1C	3.12	1.43	1.35
13	G	1117	CLA	C4D-ND	-3.12	1.33	1.37
13	Z	509	CLA	C4D-ND	-3.12	1.33	1.37
13	1	518	CLA	C1D-ND	3.12	1.41	1.37
13	Y	512	CLA	CHC-C1C	3.12	1.43	1.35
13	q	504	CLA	C4D-ND	-3.12	1.33	1.37
13	r	509	CLA	C4D-ND	-3.12	1.33	1.37
13	H	1227	CLA	CHC-C1C	3.12	1.43	1.35
13	s	509	CLA	CHC-C1C	3.12	1.43	1.35
13	Z	508	CLA	C4D-ND	-3.12	1.33	1.37
20	1	822	SQD	O48-C23	3.12	1.42	1.33
13	3	518	CLA	CHC-C1C	3.12	1.43	1.35
13	a	518	CLA	CHC-C1C	3.12	1.43	1.35
13	2	519	CLA	CHC-C1C	3.12	1.43	1.35
13	5	509	CLA	CHC-C1C	3.12	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Y	516	CLA	CHC-C1C	3.11	1.43	1.35
13	r	519	CLA	CHC-C1C	3.11	1.43	1.35
13	G	1110	CLA	C4D-ND	-3.11	1.33	1.37
13	f	1213	CLA	C4D-ND	-3.11	1.33	1.37
13	G	1102	CLA	C1D-ND	3.11	1.41	1.37
13	G	1107	CLA	CMB-C2B	-3.11	1.45	1.51
13	2	519	CLA	C4D-ND	-3.11	1.33	1.37
13	u	518	CLA	CHC-C1C	3.11	1.42	1.35
14	H	2002	PQN	C10-C1	-3.11	1.42	1.48
13	2	508	CLA	CMB-C2B	-3.11	1.45	1.51
20	Y	822	SQD	O48-C23	3.11	1.42	1.33
13	A	1111	CLA	CHC-C1C	3.11	1.42	1.35
13	3	519	CLA	CHC-C1C	3.11	1.42	1.35
13	1	511	CLA	CHC-C1C	3.11	1.42	1.35
13	e	1116	CLA	CHC-C1C	3.11	1.42	1.35
13	a	516	CLA	C4D-ND	-3.11	1.33	1.37
13	5	510	CLA	CHC-C1C	3.11	1.42	1.35
13	Z	508	CLA	CMB-C2B	-3.11	1.45	1.51
13	3	509	CLA	CHC-C1C	3.11	1.42	1.35
13	A	1134	CLA	CHC-C1C	3.11	1.42	1.35
13	G	1116	CLA	CHC-C1C	3.11	1.42	1.35
13	f	1234	CLA	CHC-C1C	3.11	1.42	1.35
13	t	504	CLA	CHC-C1C	3.11	1.42	1.35
13	G	1112	CLA	C4D-ND	-3.11	1.33	1.37
14	f	2002	PQN	C10-C1	-3.11	1.42	1.48
13	6	512	CLA	CHC-C1C	3.11	1.42	1.35
13	a	510	CLA	CHC-C1C	3.11	1.42	1.35
13	3	516	CLA	C4D-ND	-3.11	1.33	1.37
13	A	1107	CLA	CMB-C2B	-3.11	1.45	1.51
13	A	1114	CLA	CMB-C2B	-3.11	1.45	1.51
13	3	516	CLA	CHC-C1C	3.10	1.42	1.35
13	v	512	CLA	CHC-C1C	3.10	1.42	1.35
13	d	510	CLA	CHC-C1C	3.10	1.42	1.35
13	s	512	CLA	C4D-ND	-3.10	1.33	1.37
20	a	822	SQD	O48-C23	3.10	1.42	1.33
20	s	822	SQD	O48-C23	3.10	1.42	1.33
13	B	1234	CLA	CHC-C1C	3.10	1.42	1.35
13	s	510	CLA	CHC-C1C	3.10	1.42	1.35
13	v	509	CLA	CHC-C1C	3.10	1.42	1.35
13	d	512	CLA	CHC-C1C	3.10	1.42	1.35
13	G	1134	CLA	C4D-ND	-3.10	1.33	1.37
13	G	1237	CLA	CMB-C2B	-3.10	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	r	822	SQD	O48-C23	3.10	1.42	1.33
13	s	518	CLA	CHC-C1C	3.10	1.42	1.35
13	A	1138	CLA	CHC-C1C	3.10	1.42	1.35
13	H	1234	CLA	CHC-C1C	3.10	1.42	1.35
13	q	512	CLA	CHC-C1C	3.10	1.42	1.35
13	6	509	CLA	CHC-C1C	3.10	1.42	1.35
13	G	1111	CLA	CHC-C1C	3.10	1.42	1.35
13	d	509	CLA	CHC-C1C	3.10	1.42	1.35
13	2	512	CLA	C4D-ND	-3.10	1.33	1.37
13	2	509	CLA	C4D-ND	-3.10	1.33	1.37
13	a	519	CLA	CHC-C1C	3.10	1.42	1.35
13	e	1111	CLA	CHC-C1C	3.10	1.42	1.35
13	B	1209	CLA	CHC-C1C	3.10	1.42	1.35
13	3	510	CLA	CHC-C1C	3.10	1.42	1.35
13	e	1134	CLA	CHC-C1C	3.10	1.42	1.35
13	e	1102	CLA	C1D-ND	3.10	1.41	1.37
13	r	508	CLA	CMB-C2B	-3.10	1.45	1.51
13	s	519	CLA	CHC-C1C	3.10	1.42	1.35
13	G	1129	CLA	C1D-ND	3.10	1.41	1.37
13	H	1209	CLA	CHC-C1C	3.10	1.42	1.35
13	u	501	CLA	CHC-C1C	3.10	1.42	1.35
13	f	1021	CLA	C1D-ND	3.09	1.41	1.37
13	H	1214	CLA	CHC-C1C	3.09	1.42	1.35
13	A	1116	CLA	CHC-C1C	3.09	1.42	1.35
13	l	512	CLA	CHC-C1C	3.09	1.42	1.35
13	e	1130	CLA	C4D-ND	-3.09	1.33	1.37
13	A	1013	CLA	CMB-C2B	-3.09	1.45	1.51
13	e	1138	CLA	CHC-C1C	3.09	1.42	1.35
13	T	1302	CLA	C4D-ND	-3.09	1.33	1.37
13	a	503	CLA	C4D-ND	-3.09	1.33	1.37
14	B	2002	PQN	C10-C1	-3.09	1.42	1.48
13	G	1140	CLA	CHC-C1C	3.09	1.42	1.35
13	a	516	CLA	CHC-C1C	3.09	1.42	1.35
20	2	822	SQD	O48-C23	3.09	1.42	1.33
13	s	516	CLA	CHC-C1C	3.09	1.42	1.35
13	A	1130	CLA	C4D-ND	-3.09	1.33	1.37
13	G	1013	CLA	CMB-C2B	-3.09	1.45	1.51
13	a	504	CLA	CHC-C1C	3.09	1.42	1.35
13	2	508	CLA	C4D-ND	-3.09	1.33	1.37
13	3	512	CLA	C4D-ND	-3.09	1.33	1.37
13	s	503	CLA	CHC-C1C	3.09	1.42	1.35
13	G	1138	CLA	CHC-C1C	3.09	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1237	CLA	CMB-C2B	-3.09	1.45	1.51
13	5	501	CLA	CHC-C1C	3.09	1.42	1.35
20	Z	822	SQD	O48-C23	3.09	1.42	1.33
13	e	1107	CLA	CMB-C2B	-3.09	1.45	1.51
13	u	505	CLA	CHC-C1C	3.09	1.42	1.35
13	5	512	CLA	CHC-C1C	3.08	1.42	1.35
20	3	822	SQD	O48-C23	3.08	1.42	1.33
13	3	504	CLA	CHC-C1C	3.08	1.42	1.35
13	f	1214	CLA	CHC-C1C	3.08	1.42	1.35
13	c	506	CLA	CHC-C1C	3.08	1.42	1.35
13	r	519	CLA	C4D-ND	-3.08	1.33	1.37
13	1	513	CLA	CHC-C1C	3.08	1.42	1.35
13	3	511	CLA	CHC-C1C	3.08	1.42	1.35
13	6	517	CLA	CHC-C1C	3.08	1.42	1.35
13	G	1134	CLA	CHC-C1C	3.08	1.42	1.35
13	a	503	CLA	CHC-C1C	3.08	1.42	1.35
13	u	503	CLA	CHC-C1C	3.08	1.42	1.35
13	u	506	CLA	CHC-C1C	3.08	1.42	1.35
13	f	1217	CLA	C1D-ND	3.08	1.41	1.37
13	1	508	CLA	CMB-C2B	-3.08	1.45	1.51
13	u	512	CLA	CHC-C1C	3.08	1.42	1.35
13	5	511	CLA	CHC-C1C	3.08	1.42	1.35
13	u	511	CLA	CHC-C1C	3.08	1.42	1.35
13	v	517	CLA	CHC-C1C	3.08	1.42	1.35
13	Y	504	CLA	C4D-ND	-3.08	1.33	1.37
13	Y	513	CLA	CHC-C1C	3.08	1.42	1.35
13	s	501	CLA	C4D-ND	-3.08	1.33	1.37
18	A	1848	LMU	O5'-C1'	3.08	1.49	1.41
14	H	2002	PQN	C3-C2	3.08	1.40	1.35
14	f	2002	PQN	C3-C2	3.08	1.40	1.35
13	a	511	CLA	CHC-C1C	3.08	1.42	1.35
13	c	511	CLA	CHC-C1C	3.08	1.42	1.35
18	G	1848	LMU	O5'-C1'	3.08	1.49	1.41
13	s	518	CLA	C4D-ND	-3.07	1.33	1.37
13	f	1209	CLA	CHC-C1C	3.07	1.42	1.35
13	c	501	CLA	CHC-C1C	3.07	1.42	1.35
13	Z	511	CLA	CHC-C1C	3.07	1.42	1.35
13	A	1126	CLA	C4D-ND	-3.07	1.33	1.37
13	A	1134	CLA	C4D-ND	-3.07	1.33	1.37
13	d	517	CLA	CHC-C1C	3.07	1.42	1.35
13	G	1130	CLA	C4D-ND	-3.07	1.33	1.37
13	e	1126	CLA	C4D-ND	-3.07	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	q	517	CLA	CHC-C1C	3.07	1.42	1.35
13	Y	508	CLA	CMB-C2B	-3.07	1.45	1.51
13	B	1216	CLA	C1D-ND	3.07	1.41	1.37
13	G	1106	CLA	C1D-ND	3.07	1.41	1.37
13	G	1126	CLA	CHC-C1C	3.07	1.42	1.35
13	b	501	CLA	CHC-C1C	3.07	1.42	1.35
13	l	504	CLA	C4D-ND	-3.07	1.33	1.37
13	H	1213	CLA	C4D-ND	-3.07	1.33	1.37
13	r	502	CLA	C4D-ND	-3.07	1.33	1.37
13	r	504	CLA	CHC-C1C	3.07	1.42	1.35
18	e	1848	LMU	O5'-C1'	3.07	1.49	1.41
13	B	1206	CLA	C1D-ND	3.07	1.41	1.37
13	f	1206	CLA	C1D-ND	3.07	1.41	1.37
13	c	505	CLA	CHC-C1C	3.07	1.42	1.35
13	e	1123	CLA	C4D-ND	-3.07	1.33	1.37
13	e	1134	CLA	C4D-ND	-3.07	1.33	1.37
13	5	506	CLA	CHC-C1C	3.07	1.42	1.35
13	c	512	CLA	CHC-C1C	3.07	1.42	1.35
13	3	503	CLA	CHC-C1C	3.07	1.42	1.35
13	r	508	CLA	C4D-ND	-3.07	1.33	1.37
13	G	1124	CLA	CHC-C1C	3.07	1.42	1.35
13	e	1124	CLA	CHC-C1C	3.07	1.42	1.35
13	q	513	CLA	CHC-C1C	3.07	1.42	1.35
13	e	1120	CLA	C1D-ND	3.07	1.41	1.37
13	c	502	CLA	CHC-C1C	3.07	1.42	1.35
13	e	1013	CLA	CMB-C2B	-3.07	1.45	1.51
20	c	822	SQD	O48-C23	3.07	1.42	1.33
13	q	508	CLA	CMB-C2B	-3.07	1.45	1.51
13	4	501	CLA	CHC-C1C	3.07	1.42	1.35
13	r	512	CLA	C4D-ND	-3.07	1.33	1.37
13	G	1125	CLA	CHC-C1C	3.07	1.42	1.35
13	A	1124	CLA	CHC-C1C	3.06	1.42	1.35
13	4	503	CLA	CHC-C1C	3.06	1.42	1.35
13	t	511	CLA	CHC-C1C	3.06	1.42	1.35
13	B	1214	CLA	CHC-C1C	3.06	1.42	1.35
13	s	511	CLA	CHC-C1C	3.06	1.42	1.35
13	J	1302	CLA	C4D-ND	-3.06	1.33	1.37
13	l	509	CLA	C4D-ND	-3.06	1.33	1.37
13	Z	502	CLA	C4D-ND	-3.06	1.33	1.37
13	V	1503	CLA	CHC-C1C	3.06	1.42	1.35
13	e	1140	CLA	CHC-C1C	3.06	1.42	1.35
13	B	1213	CLA	C4D-ND	-3.06	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	l	1303	CLA	C4D-ND	-3.06	1.33	1.37
13	f	1202	CLA	C1D-ND	3.06	1.41	1.37
13	s	504	CLA	CHC-C1C	3.06	1.42	1.35
13	t	508	CLA	C4D-ND	-3.06	1.33	1.37
13	2	504	CLA	CHC-C1C	3.06	1.42	1.35
13	G	1120	CLA	C1D-ND	3.06	1.41	1.37
13	A	1022	CLA	C1D-ND	3.06	1.41	1.37
13	G	1022	CLA	C1D-ND	3.06	1.41	1.37
13	2	511	CLA	CHC-C1C	3.06	1.42	1.35
13	A	1123	CLA	C4D-ND	-3.06	1.33	1.37
13	G	1126	CLA	C4D-ND	-3.06	1.33	1.37
13	e	1237	CLA	CMB-C2B	-3.06	1.45	1.51
13	A	1140	CLA	CHC-C1C	3.06	1.42	1.35
13	e	1108	CLA	CHC-C1C	3.06	1.42	1.35
13	c	503	CLA	CHC-C1C	3.06	1.42	1.35
13	r	511	CLA	CHC-C1C	3.06	1.42	1.35
13	f	1217	CLA	C4D-ND	-3.06	1.33	1.37
13	1	517	CLA	CHC-C1C	3.06	1.42	1.35
13	b	511	CLA	CHC-C1C	3.06	1.42	1.35
13	c	506	CLA	C4D-ND	-3.06	1.33	1.37
13	e	1126	CLA	CHC-C1C	3.06	1.42	1.35
13	2	502	CLA	CMB-C2B	-3.05	1.45	1.51
13	Z	506	CLA	CHC-C1C	3.05	1.42	1.35
13	q	509	CLA	C4D-ND	-3.05	1.33	1.37
13	A	1126	CLA	CHC-C1C	3.05	1.42	1.35
13	5	503	CLA	CHC-C1C	3.05	1.42	1.35
13	r	506	CLA	CHC-C1C	3.05	1.42	1.35
13	3	517	CLA	CHC-C1C	3.05	1.42	1.35
13	Y	517	CLA	CHC-C1C	3.05	1.42	1.35
13	t	501	CLA	CHC-C1C	3.05	1.42	1.35
13	2	518	CLA	CHC-C1C	3.05	1.42	1.35
13	b	503	CLA	CHC-C1C	3.05	1.42	1.35
13	B	1023	CLA	CMC-C2C	-3.05	1.44	1.50
13	3	501	CLA	C4D-ND	-3.05	1.33	1.37
13	4	511	CLA	CHC-C1C	3.05	1.42	1.35
13	e	1022	CLA	C1D-ND	3.05	1.41	1.37
13	t	503	CLA	CHC-C1C	3.05	1.42	1.35
13	5	505	CLA	CHC-C1C	3.05	1.42	1.35
13	H	1216	CLA	C1D-ND	3.05	1.41	1.37
13	q	518	CLA	C1D-ND	3.05	1.41	1.37
13	B	1209	CLA	C4D-ND	-3.05	1.33	1.37
13	J	1303	CLA	C4D-ND	-3.05	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	5	822	SQD	O48-C23	3.05	1.42	1.33
13	c	504	CLA	CHC-C1C	3.05	1.42	1.35
13	s	517	CLA	CHC-C1C	3.05	1.42	1.35
13	s	507	CLA	C4D-ND	-3.05	1.33	1.37
13	G	1022	CLA	CMB-C2B	-3.05	1.45	1.51
13	b	517	CLA	CHC-C1C	3.05	1.42	1.35
13	B	1213	CLA	CHC-C1C	3.05	1.42	1.35
13	r	502	CLA	CMB-C2B	-3.05	1.45	1.51
13	H	1207	CLA	CHC-C1C	3.05	1.42	1.35
13	2	510	CLA	C4D-ND	-3.04	1.33	1.37
13	B	1217	CLA	C4D-ND	-3.04	1.33	1.37
13	G	1123	CLA	C4D-ND	-3.04	1.33	1.37
13	A	1108	CLA	CHC-C1C	3.04	1.42	1.35
13	v	505	CLA	CHC-C1C	3.04	1.42	1.35
13	Z	501	CLA	C4D-ND	-3.04	1.33	1.37
13	f	1209	CLA	C4D-ND	-3.04	1.33	1.37
13	q	502	CLA	C4D-ND	-3.04	1.33	1.37
13	5	504	CLA	CHC-C1C	3.04	1.42	1.35
13	Z	502	CLA	CMB-C2B	-3.04	1.45	1.51
13	a	508	CLA	C4D-ND	-3.04	1.33	1.37
20	u	822	SQD	O48-C23	3.04	1.42	1.33
13	f	1203	CLA	CHC-C1C	3.04	1.42	1.35
13	v	501	CLA	CHC-C1C	3.04	1.42	1.35
13	A	1106	CLA	C1D-ND	3.04	1.41	1.37
13	5	502	CLA	CHC-C1C	3.04	1.42	1.35
13	5	516	CLA	CHC-C1C	3.04	1.42	1.35
13	v	503	CLA	CHC-C1C	3.04	1.42	1.35
13	A	1125	CLA	CHC-C1C	3.04	1.42	1.35
13	L	1503	CLA	CHC-C1C	3.04	1.42	1.35
13	r	513	CLA	C4D-ND	-3.04	1.33	1.37
13	Z	518	CLA	CHC-C1C	3.04	1.42	1.35
13	H	1234	CLA	C1D-ND	3.04	1.41	1.37
13	T	1303	CLA	C4D-ND	-3.04	1.33	1.37
13	a	509	CLA	C4D-ND	-3.04	1.33	1.37
13	2	501	CLA	CHC-C1C	3.04	1.42	1.35
13	c	517	CLA	CHC-C1C	3.04	1.42	1.35
13	Z	501	CLA	CHC-C1C	3.04	1.42	1.35
13	b	518	CLA	CHC-C1C	3.04	1.42	1.35
13	q	509	CLA	CHC-C1C	3.04	1.42	1.35
13	u	502	CLA	CHC-C1C	3.04	1.42	1.35
13	A	1120	CLA	C1D-ND	3.04	1.41	1.37
13	2	506	CLA	C4D-ND	-3.04	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1023	CLA	CMC-C2C	-3.04	1.44	1.50
13	4	517	CLA	CHC-C1C	3.04	1.42	1.35
13	f	1216	CLA	C1D-ND	3.04	1.41	1.37
13	6	505	CLA	CHC-C1C	3.04	1.42	1.35
13	t	517	CLA	CHC-C1C	3.04	1.42	1.35
13	A	1022	CLA	CMB-C2B	-3.04	1.45	1.51
13	H	1217	CLA	C4D-ND	-3.04	1.33	1.37
13	q	504	CLA	CHC-C1C	3.03	1.42	1.35
13	2	517	CLA	CHC-C1C	3.03	1.42	1.35
13	v	519	CLA	C4D-ND	-3.03	1.33	1.37
13	e	1101	CLA	CHC-C1C	3.03	1.42	1.35
13	u	504	CLA	CHC-C1C	3.03	1.42	1.35
13	H	1206	CLA	C1D-ND	3.03	1.41	1.37
13	r	506	CLA	C4D-ND	-3.03	1.33	1.37
13	4	518	CLA	CHC-C1C	3.03	1.42	1.35
13	d	505	CLA	CHC-C1C	3.03	1.42	1.35
13	Y	504	CLA	CHC-C1C	3.03	1.42	1.35
13	H	1209	CLA	C4D-ND	-3.03	1.33	1.37
13	s	503	CLA	C4D-ND	-3.03	1.33	1.37
13	B	1232	CLA	CHC-C1C	3.03	1.42	1.35
13	6	503	CLA	CHC-C1C	3.03	1.42	1.35
13	Z	504	CLA	CHC-C1C	3.03	1.42	1.35
13	5	517	CLA	CHC-C1C	3.03	1.42	1.35
13	G	1110	CLA	CHC-C1C	3.03	1.42	1.35
13	n	1503	CLA	CHC-C1C	3.03	1.42	1.35
13	r	501	CLA	CHC-C1C	3.03	1.42	1.35
13	1	509	CLA	CHC-C1C	3.03	1.42	1.35
13	2	506	CLA	CHC-C1C	3.03	1.42	1.35
13	f	1213	CLA	CHC-C1C	3.03	1.42	1.35
13	r	518	CLA	CHC-C1C	3.03	1.42	1.35
13	H	1203	CLA	CHC-C1C	3.03	1.42	1.35
13	e	1125	CLA	CHC-C1C	3.03	1.42	1.35
13	f	1232	CLA	CHC-C1C	3.03	1.42	1.35
13	2	502	CLA	C4D-ND	-3.03	1.33	1.37
13	B	1203	CLA	CHC-C1C	3.03	1.42	1.35
13	B	1207	CLA	CHC-C1C	3.03	1.42	1.35
13	B	1234	CLA	C1D-ND	3.03	1.41	1.37
13	3	508	CLA	C4D-ND	-3.03	1.33	1.37
13	Y	509	CLA	C4D-ND	-3.03	1.33	1.37
13	1	512	CLA	C4D-ND	-3.03	1.33	1.37
13	l	1302	CLA	C4D-ND	-3.03	1.33	1.37
13	Z	503	CLA	CHC-C1C	3.03	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	6	511	CLA	CHC-C1C	3.03	1.42	1.35
13	f	1225	CLA	CHC-C1C	3.03	1.42	1.35
13	6	501	CLA	C4D-ND	-3.03	1.33	1.37
13	B	1201	CLA	CHC-C1C	3.03	1.42	1.35
13	1	504	CLA	CHC-C1C	3.03	1.42	1.35
13	c	516	CLA	CHC-C1C	3.03	1.42	1.35
13	2	504	CLA	C4D-ND	-3.03	1.33	1.37
13	a	512	CLA	C4D-ND	-3.03	1.33	1.37
13	G	1108	CLA	CHC-C1C	3.03	1.42	1.35
13	u	516	CLA	CHC-C1C	3.03	1.42	1.35
13	B	1225	CLA	CHC-C1C	3.02	1.42	1.35
13	e	1022	CLA	CMB-C2B	-3.02	1.45	1.51
13	H	1225	CLA	CHC-C1C	3.02	1.42	1.35
13	H	1213	CLA	CHC-C1C	3.02	1.42	1.35
13	H	1231	CLA	CHC-C1C	3.02	1.42	1.35
13	H	1023	CLA	CMC-C2C	-3.02	1.44	1.50
13	B	1202	CLA	C1D-ND	3.02	1.41	1.37
13	3	518	CLA	C4D-ND	-3.02	1.33	1.37
13	Y	502	CLA	C4D-ND	-3.02	1.33	1.37
13	d	503	CLA	CHC-C1C	3.02	1.42	1.35
13	f	1201	CLA	CHC-C1C	3.02	1.42	1.35
13	3	503	CLA	C4D-ND	-3.02	1.33	1.37
13	q	503	CLA	CHC-C1C	3.02	1.42	1.35
13	H	1201	CLA	CHC-C1C	3.02	1.42	1.35
13	H	1202	CLA	CHC-C1C	3.02	1.42	1.35
13	Z	517	CLA	CHC-C1C	3.02	1.42	1.35
13	r	517	CLA	CHC-C1C	3.02	1.42	1.35
13	r	501	CLA	C4D-ND	-3.02	1.33	1.37
13	1	503	CLA	CHC-C1C	3.02	1.42	1.35
13	d	508	CLA	CHC-C1C	3.02	1.42	1.35
13	t	518	CLA	CHC-C1C	3.02	1.42	1.35
13	c	509	CLA	C4D-ND	-3.02	1.33	1.37
13	e	1132	CLA	CHC-C1C	3.02	1.42	1.35
13	u	517	CLA	CHC-C1C	3.02	1.42	1.35
13	Y	509	CLA	CHC-C1C	3.02	1.42	1.35
13	5	509	CLA	C4D-ND	-3.02	1.33	1.37
13	f	1234	CLA	C1D-ND	3.02	1.41	1.37
13	H	1240	CLA	CHC-C1C	3.02	1.42	1.35
13	A	1129	CLA	C1D-ND	3.02	1.41	1.37
13	t	509	CLA	C4D-ND	-3.02	1.33	1.37
13	a	517	CLA	CHC-C1C	3.02	1.42	1.35
13	Y	512	CLA	C4D-ND	-3.01	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	2	516	CLA	CHC-C1C	3.01	1.42	1.35
13	3	505	CLA	CHC-C1C	3.01	1.42	1.35
13	f	1207	CLA	CHC-C1C	3.01	1.42	1.35
13	q	501	CLA	CHC-C1C	3.01	1.42	1.35
13	b	505	CLA	CHC-C1C	3.01	1.42	1.35
13	f	1202	CLA	CHC-C1C	3.01	1.42	1.35
13	6	508	CLA	CHC-C1C	3.01	1.42	1.35
13	2	513	CLA	C4D-ND	-3.01	1.33	1.37
13	a	507	CLA	C4D-ND	-3.01	1.33	1.37
13	d	516	CLA	C4D-ND	-3.01	1.33	1.37
13	6	501	CLA	CHC-C1C	3.01	1.42	1.35
13	R	1301	CLA	CHC-C1C	3.01	1.42	1.35
13	d	511	CLA	CHC-C1C	3.01	1.42	1.35
13	e	1106	CLA	C1D-ND	3.01	1.41	1.37
13	3	509	CLA	C4D-ND	-3.01	1.33	1.37
13	a	504	CLA	C4D-ND	-3.01	1.33	1.37
13	b	509	CLA	C4D-ND	-3.01	1.33	1.37
13	r	504	CLA	C4D-ND	-3.01	1.33	1.37
13	Y	505	CLA	CHC-C1C	3.01	1.42	1.35
13	1	505	CLA	CHC-C1C	3.01	1.42	1.35
13	H	1232	CLA	CHC-C1C	3.01	1.42	1.35
13	2	503	CLA	CHC-C1C	3.01	1.42	1.35
13	a	505	CLA	CHC-C1C	3.01	1.42	1.35
13	q	510	CLA	C4D-ND	-3.01	1.33	1.37
13	s	502	CLA	C4D-ND	-3.01	1.33	1.37
13	a	501	CLA	C4D-ND	-3.01	1.33	1.37
13	A	1101	CLA	CHC-C1C	3.01	1.42	1.35
13	G	1101	CLA	CHC-C1C	3.01	1.42	1.35
13	3	507	CLA	C4D-ND	-3.01	1.33	1.37
13	e	1127	CLA	CHC-C1C	3.01	1.42	1.35
13	B	1204	CLA	C1D-ND	3.01	1.41	1.37
13	t	505	CLA	CHC-C1C	3.01	1.42	1.35
13	Z	510	CLA	C4D-ND	-3.01	1.33	1.37
13	A	1127	CLA	CHC-C1C	3.01	1.42	1.35
13	s	505	CLA	CHC-C1C	3.01	1.42	1.35
13	b	502	CLA	CHC-C1C	3.01	1.42	1.35
13	d	501	CLA	C4D-ND	-3.01	1.33	1.37
13	f	1231	CLA	CHC-C1C	3.01	1.42	1.35
13	Z	507	CLA	C4D-ND	-3.01	1.33	1.37
13	r	510	CLA	C4D-ND	-3.01	1.33	1.37
13	1	502	CLA	C4D-ND	-3.01	1.33	1.37
13	U	1401	CLA	CHC-C1C	3.00	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	v	508	CLA	CHC-C1C	3.00	1.42	1.35
13	v	511	CLA	CHC-C1C	3.00	1.42	1.35
13	s	504	CLA	C4D-ND	-3.00	1.33	1.37
13	Z	516	CLA	CHC-C1C	3.00	1.42	1.35
13	d	501	CLA	CHC-C1C	3.00	1.42	1.35
13	q	516	CLA	C4D-ND	-3.00	1.33	1.37
13	A	1105	CLA	CHC-C1C	3.00	1.42	1.35
13	4	508	CLA	C4D-ND	-3.00	1.33	1.37
13	Y	516	CLA	C4D-ND	-3.00	1.33	1.37
13	A	1110	CLA	CHC-C1C	3.00	1.42	1.35
13	r	503	CLA	C4D-ND	-3.00	1.33	1.37
13	l	501	CLA	CHC-C1C	3.00	1.42	1.35
13	r	516	CLA	CHC-C1C	3.00	1.42	1.35
13	t	502	CLA	CHC-C1C	3.00	1.42	1.35
13	F	1301	CLA	CHC-C1C	3.00	1.42	1.35
13	b	519	CLA	CHC-C1C	3.00	1.42	1.35
13	B	1202	CLA	CHC-C1C	3.00	1.42	1.35
13	B	1240	CLA	CHC-C1C	3.00	1.42	1.35
13	2	501	CLA	C4D-ND	-3.00	1.33	1.37
13	e	1120	CLA	CHC-C1C	3.00	1.42	1.35
13	4	505	CLA	CHC-C1C	3.00	1.42	1.35
13	G	1127	CLA	CHC-C1C	3.00	1.42	1.35
13	m	1401	CLA	CHC-C1C	3.00	1.42	1.35
13	l	516	CLA	C4D-ND	-3.00	1.33	1.37
13	Y	510	CLA	C4D-ND	-3.00	1.33	1.37
13	5	506	CLA	C4D-ND	-3.00	1.33	1.37
13	q	512	CLA	C4D-ND	-3.00	1.33	1.37
13	4	519	CLA	CHC-C1C	3.00	1.42	1.35
13	H	1204	CLA	C1D-ND	3.00	1.41	1.37
13	s	508	CLA	C4D-ND	-3.00	1.33	1.37
13	a	506	CLA	C4D-ND	-2.99	1.33	1.37
13	f	1240	CLA	CHC-C1C	2.99	1.42	1.35
13	Z	506	CLA	C4D-ND	-2.99	1.33	1.37
13	d	504	CLA	C4D-ND	-2.99	1.33	1.37
13	B	1231	CLA	CHC-C1C	2.99	1.42	1.35
13	4	509	CLA	C4D-ND	-2.99	1.33	1.37
13	3	501	CLA	CHC-C1C	2.99	1.42	1.35
13	Y	503	CLA	CHC-C1C	2.99	1.42	1.35
13	e	1105	CLA	CHC-C1C	2.99	1.42	1.35
13	j	1301	CLA	CHC-C1C	2.99	1.42	1.35
13	e	1128	CLA	C1D-ND	2.99	1.41	1.37
13	u	509	CLA	C4D-ND	-2.99	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	q	505	CLA	CHC-C1C	2.99	1.42	1.35
13	a	501	CLA	CHC-C1C	2.99	1.42	1.35
13	d	517	CLA	C4D-ND	-2.99	1.33	1.37
13	f	1238	CLA	CHC-C1C	2.99	1.42	1.35
13	d	511	CLA	C4D-ND	-2.99	1.33	1.37
13	e	1110	CLA	CHC-C1C	2.99	1.42	1.35
13	A	1132	CLA	CHC-C1C	2.99	1.42	1.35
13	G	1105	CLA	CHC-C1C	2.99	1.42	1.35
13	r	503	CLA	CHC-C1C	2.99	1.42	1.35
13	2	508	CLA	CHC-C1C	2.99	1.42	1.35
13	a	502	CLA	C4D-ND	-2.99	1.33	1.37
13	K	1401	CLA	CHC-C1C	2.99	1.42	1.35
13	b	517	CLA	C4D-ND	-2.99	1.33	1.37
13	q	501	CLA	C4D-ND	-2.99	1.33	1.37
13	v	501	CLA	C4D-ND	-2.99	1.33	1.37
13	H	1208	CLA	CHC-C1C	2.99	1.42	1.35
13	Z	517	CLA	C4D-ND	-2.99	1.33	1.37
13	d	510	CLA	C4D-ND	-2.99	1.33	1.37
13	G	1132	CLA	CHC-C1C	2.99	1.42	1.35
13	r	508	CLA	CHC-C1C	2.99	1.42	1.35
13	n	1502	CLA	C1D-ND	2.99	1.41	1.37
13	Z	513	CLA	C4D-ND	-2.98	1.33	1.37
13	f	1204	CLA	C1D-ND	2.98	1.41	1.37
14	e	2001	PQN	C11-C12	2.98	1.55	1.50
13	Z	504	CLA	C4D-ND	-2.98	1.33	1.37
13	a	518	CLA	C4D-ND	-2.98	1.33	1.37
13	3	508	CLA	CHC-C1C	2.98	1.42	1.35
13	Y	501	CLA	CHC-C1C	2.98	1.42	1.35
13	s	508	CLA	CHC-C1C	2.98	1.42	1.35
13	6	502	CLA	C4D-ND	-2.98	1.33	1.37
13	B	1216	CLA	CHC-C1C	2.98	1.42	1.35
13	A	1120	CLA	CHC-C1C	2.98	1.42	1.35
13	Z	508	CLA	CHC-C1C	2.98	1.42	1.35
13	H	1216	CLA	CHC-C1C	2.98	1.42	1.35
13	G	1120	CLA	CHC-C1C	2.98	1.42	1.35
13	v	517	CLA	C4D-ND	-2.98	1.33	1.37
13	5	507	CLA	C4D-ND	-2.98	1.33	1.37
13	V	1502	CLA	C1D-ND	2.98	1.41	1.37
13	3	506	CLA	C4D-ND	-2.98	1.33	1.37
13	s	506	CLA	C4D-ND	-2.98	1.33	1.37
13	d	507	CLA	CHC-C1C	2.98	1.42	1.35
13	6	504	CLA	C4D-ND	-2.98	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1216	CLA	CHC-C1C	2.98	1.42	1.35
13	A	1115	CLA	CHC-C1C	2.98	1.42	1.35
13	4	502	CLA	CHC-C1C	2.97	1.42	1.35
13	2	503	CLA	C4D-ND	-2.97	1.33	1.37
13	e	1139	CLA	C1D-ND	2.97	1.41	1.37
13	s	501	CLA	CHC-C1C	2.97	1.42	1.35
13	5	501	CLA	C4D-ND	-2.97	1.33	1.37
13	m	1105	CLA	C4D-ND	-2.97	1.33	1.37
13	B	1238	CLA	CHC-C1C	2.97	1.42	1.35
13	v	507	CLA	CHC-C1C	2.97	1.42	1.35
13	r	505	CLA	CHC-C1C	2.97	1.42	1.35
13	t	519	CLA	CHC-C1C	2.97	1.42	1.35
13	1	501	CLA	C4D-ND	-2.97	1.33	1.37
13	3	504	CLA	C4D-ND	-2.97	1.33	1.37
13	e	1115	CLA	CHC-C1C	2.97	1.42	1.35
13	q	503	CLA	C4D-ND	-2.97	1.33	1.37
13	u	507	CLA	C4D-ND	-2.97	1.33	1.37
17	e	5001	LHG	O7-C5	-2.97	1.39	1.46
13	d	508	CLA	C4D-ND	-2.97	1.33	1.37
13	3	502	CLA	C4D-ND	-2.97	1.33	1.37
13	6	519	CLA	C4D-ND	-2.97	1.33	1.37
13	U	1105	CLA	C4D-ND	-2.97	1.33	1.37
13	A	1128	CLA	C1D-ND	2.97	1.41	1.37
13	B	1235	CLA	CHC-C1C	2.97	1.42	1.35
13	a	512	CLA	CHC-C1C	2.97	1.42	1.35
13	c	501	CLA	C4D-ND	-2.97	1.33	1.37
13	v	505	CLA	C4D-ND	-2.97	1.33	1.37
13	v	511	CLA	C4D-ND	-2.97	1.33	1.37
13	f	1228	CLA	CHC-C1C	2.96	1.42	1.35
13	a	508	CLA	CHC-C1C	2.96	1.42	1.35
13	c	507	CLA	C4D-ND	-2.96	1.33	1.37
13	t	518	CLA	C4D-ND	-2.96	1.33	1.37
13	b	513	CLA	C4D-ND	-2.96	1.33	1.37
13	2	505	CLA	CHC-C1C	2.96	1.42	1.35
13	1	510	CLA	C4D-ND	-2.96	1.33	1.37
14	A	2001	PQN	C11-C12	2.96	1.54	1.50
13	H	1235	CLA	CHC-C1C	2.96	1.42	1.35
13	G	1115	CLA	CHC-C1C	2.96	1.42	1.35
13	v	502	CLA	C4D-ND	-2.96	1.33	1.37
13	6	507	CLA	CHC-C1C	2.96	1.42	1.35
13	L	1502	CLA	C1D-ND	2.96	1.41	1.37
13	e	1106	CLA	CHC-C1C	2.96	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	q	507	CLA	C4D-ND	-2.96	1.33	1.37
13	A	1103	CLA	CHC-C1C	2.96	1.42	1.35
13	e	1103	CLA	CHC-C1C	2.96	1.42	1.35
17	G	5001	LHG	O7-C5	-2.96	1.39	1.46
13	f	1208	CLA	CHC-C1C	2.96	1.42	1.35
13	K	1105	CLA	C4D-ND	-2.96	1.33	1.37
13	1	506	CLA	C4D-ND	-2.96	1.33	1.37
13	2	505	CLA	C4D-ND	-2.96	1.33	1.37
13	6	517	CLA	C4D-ND	-2.96	1.33	1.37
13	r	507	CLA	C4D-ND	-2.96	1.33	1.37
13	5	508	CLA	CHC-C1C	2.96	1.42	1.35
13	t	513	CLA	C4D-ND	-2.96	1.33	1.37
13	H	1238	CLA	CHC-C1C	2.96	1.42	1.35
13	B	1208	CLA	CHC-C1C	2.96	1.42	1.35
13	3	506	CLA	CHC-C1C	2.95	1.42	1.35
13	e	1107	CLA	CHC-C1C	2.95	1.42	1.35
13	d	519	CLA	C4D-ND	-2.95	1.33	1.37
13	r	505	CLA	C4D-ND	-2.95	1.33	1.37
13	6	508	CLA	C4D-ND	-2.95	1.33	1.37
13	6	511	CLA	C4D-ND	-2.95	1.33	1.37
13	G	1011	CLA	C4D-ND	-2.95	1.33	1.37
13	Z	516	CLA	C4D-ND	-2.95	1.33	1.37
17	A	5001	LHG	O7-C5	-2.95	1.39	1.46
13	4	517	CLA	C4D-ND	-2.95	1.33	1.37
13	d	505	CLA	C4D-ND	-2.95	1.33	1.37
13	H	1202	CLA	C1D-ND	2.95	1.41	1.37
13	A	1106	CLA	CHC-C1C	2.95	1.42	1.35
13	u	510	CLA	C4D-ND	-2.95	1.33	1.37
13	e	1129	CLA	C1D-ND	2.95	1.41	1.37
13	b	518	CLA	C4D-ND	-2.95	1.33	1.37
13	u	512	CLA	C4D-ND	-2.95	1.33	1.37
13	G	1106	CLA	CHC-C1C	2.95	1.42	1.35
13	B	1228	CLA	CHC-C1C	2.95	1.42	1.35
13	s	512	CLA	CHC-C1C	2.95	1.42	1.35
13	6	510	CLA	C4D-ND	-2.95	1.33	1.37
14	G	2001	PQN	C11-C12	2.95	1.54	1.50
13	f	1214	CLA	CMB-C2B	-2.95	1.45	1.51
13	3	502	CLA	CHC-C1C	2.95	1.42	1.35
13	H	1228	CLA	CHC-C1C	2.95	1.42	1.35
13	c	508	CLA	CHC-C1C	2.95	1.42	1.35
13	b	509	CLA	CHC-C1C	2.95	1.42	1.35
13	e	1113	CLA	CHC-C1C	2.95	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	1011	CLA	C4D-ND	-2.95	1.33	1.37
13	q	511	CLA	C4D-ND	-2.95	1.33	1.37
13	b	512	CLA	CHC-C1C	2.95	1.42	1.35
13	u	506	CLA	C4D-ND	-2.95	1.33	1.37
13	u	508	CLA	C4D-ND	-2.95	1.33	1.37
13	a	519	CLA	C4D-ND	-2.95	1.33	1.37
13	d	509	CLA	C4D-ND	-2.95	1.33	1.37
13	s	509	CLA	C4D-ND	-2.95	1.33	1.37
13	t	517	CLA	C4D-ND	-2.95	1.33	1.37
13	s	505	CLA	C4D-ND	-2.94	1.33	1.37
13	u	501	CLA	C4D-ND	-2.94	1.33	1.37
13	Y	501	CLA	C4D-ND	-2.94	1.33	1.37
13	Z	505	CLA	CHC-C1C	2.94	1.42	1.35
13	e	1121	CLA	CHC-C1C	2.94	1.42	1.35
13	4	509	CLA	CHC-C1C	2.94	1.42	1.35
13	a	506	CLA	CHC-C1C	2.94	1.42	1.35
13	6	509	CLA	C4D-ND	-2.94	1.33	1.37
13	v	516	CLA	C4D-ND	-2.94	1.33	1.37
13	1	508	CLA	CHC-C1C	2.94	1.42	1.35
13	6	516	CLA	C4D-ND	-2.94	1.33	1.37
13	v	508	CLA	C4D-ND	-2.94	1.33	1.37
13	B	1218	CLA	CHC-C1C	2.94	1.42	1.35
13	6	506	CLA	C4D-ND	-2.94	1.33	1.37
13	Z	511	CLA	C4D-ND	-2.94	1.33	1.37
13	A	1104	CLA	CHC-C1C	2.94	1.42	1.35
13	B	1236	CLA	CHC-C1C	2.94	1.42	1.35
13	H	1215	CLA	CMB-C2B	-2.94	1.45	1.51
13	A	1107	CLA	CHC-C1C	2.94	1.42	1.35
13	G	1109	CLA	CHC-C1C	2.94	1.42	1.35
13	G	1128	CLA	C1D-ND	2.94	1.41	1.37
13	Z	503	CLA	C4D-ND	-2.94	1.33	1.37
13	b	507	CLA	CHC-C1C	2.94	1.42	1.35
13	V	1501	CLA	CHC-C1C	2.94	1.42	1.35
13	2	516	CLA	C4D-ND	-2.94	1.33	1.37
13	6	505	CLA	C4D-ND	-2.94	1.33	1.37
13	G	1107	CLA	CHC-C1C	2.94	1.42	1.35
13	2	517	CLA	C4D-ND	-2.94	1.33	1.37
13	5	511	CLA	C4D-ND	-2.94	1.33	1.37
13	u	508	CLA	CHC-C1C	2.94	1.42	1.35
13	A	1113	CLA	CHC-C1C	2.94	1.42	1.35
13	Y	508	CLA	CHC-C1C	2.94	1.42	1.35
13	b	508	CLA	C4D-ND	-2.94	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1225	CLA	C1D-ND	2.94	1.41	1.37
13	3	512	CLA	CHC-C1C	2.94	1.42	1.35
13	q	508	CLA	CHC-C1C	2.94	1.42	1.35
13	H	1218	CLA	CHC-C1C	2.94	1.42	1.35
13	f	1235	CLA	CHC-C1C	2.94	1.42	1.35
13	u	511	CLA	C4D-ND	-2.94	1.33	1.37
13	Y	502	CLA	CHC-C1C	2.94	1.42	1.35
13	d	502	CLA	C4D-ND	-2.94	1.33	1.37
13	q	506	CLA	C4D-ND	-2.94	1.33	1.37
13	B	1214	CLA	CMB-C2B	-2.93	1.45	1.51
13	4	513	CLA	C4D-ND	-2.93	1.33	1.37
13	Z	505	CLA	C4D-ND	-2.93	1.33	1.37
13	r	516	CLA	C4D-ND	-2.93	1.33	1.37
13	s	506	CLA	CHC-C1C	2.93	1.42	1.35
13	4	507	CLA	CHC-C1C	2.93	1.42	1.35
13	Y	506	CLA	C4D-ND	-2.93	1.33	1.37
13	v	504	CLA	C4D-ND	-2.93	1.33	1.37
13	v	510	CLA	C4D-ND	-2.93	1.33	1.37
13	b	511	CLA	C4D-ND	-2.93	1.33	1.37
13	H	1210	CLA	CHC-C1C	2.93	1.42	1.35
13	L	1501	CLA	CHC-C1C	2.93	1.42	1.35
13	G	1104	CLA	CHC-C1C	2.93	1.42	1.35
13	H	1236	CLA	CHC-C1C	2.93	1.42	1.35
13	q	502	CLA	CHC-C1C	2.93	1.42	1.35
13	s	502	CLA	CHC-C1C	2.93	1.42	1.35
13	6	502	CLA	CHC-C1C	2.93	1.42	1.35
20	Z	822	SQD	O47-C7	2.93	1.42	1.34
13	r	511	CLA	C4D-ND	-2.93	1.33	1.37
13	1	502	CLA	CHC-C1C	2.93	1.42	1.35
13	4	512	CLA	CHC-C1C	2.93	1.42	1.35
13	G	1129	CLA	CMB-C2B	-2.93	1.45	1.51
13	n	1501	CLA	CHC-C1C	2.93	1.42	1.35
13	v	509	CLA	C4D-ND	-2.93	1.33	1.37
13	G	1113	CLA	CHC-C1C	2.93	1.42	1.35
13	4	518	CLA	C4D-ND	-2.93	1.33	1.37
13	d	502	CLA	CHC-C1C	2.93	1.42	1.35
13	f	1236	CLA	CHC-C1C	2.93	1.42	1.35
13	t	509	CLA	CHC-C1C	2.93	1.42	1.35
13	A	1121	CLA	CHC-C1C	2.93	1.42	1.35
13	a	502	CLA	CHC-C1C	2.93	1.42	1.35
13	1	507	CLA	C4D-ND	-2.93	1.33	1.37
13	6	503	CLA	C4D-ND	-2.93	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	2	507	CLA	C4D-ND	-2.93	1.33	1.37
13	G	1103	CLA	CHC-C1C	2.93	1.42	1.35
13	r	502	CLA	CHC-C1C	2.93	1.42	1.35
13	1	511	CLA	C4D-ND	-2.92	1.33	1.37
13	5	502	CLA	C4D-ND	-2.92	1.33	1.37
13	v	503	CLA	C4D-ND	-2.92	1.33	1.37
13	t	512	CLA	C4D-ND	-2.92	1.33	1.37
13	e	1129	CLA	CMB-C2B	-2.92	1.45	1.51
13	1	503	CLA	C4D-ND	-2.92	1.33	1.37
13	3	519	CLA	C4D-ND	-2.92	1.33	1.37
13	s	513	CLA	C4D-ND	-2.92	1.33	1.37
13	3	505	CLA	C4D-ND	-2.92	1.33	1.37
13	u	517	CLA	C4D-ND	-2.92	1.33	1.37
13	e	1104	CLA	CHC-C1C	2.92	1.42	1.35
13	f	1218	CLA	CHC-C1C	2.92	1.42	1.35
13	s	511	CLA	C4D-ND	-2.92	1.33	1.37
13	G	1121	CLA	CHC-C1C	2.92	1.42	1.35
13	a	513	CLA	C4D-ND	-2.92	1.33	1.37
13	B	1210	CLA	CHC-C1C	2.92	1.42	1.35
13	A	1139	CLA	C1D-ND	2.92	1.41	1.37
13	d	506	CLA	C4D-ND	-2.92	1.33	1.37
13	j	1302	CLA	CHC-C1C	2.92	1.42	1.35
13	A	1109	CLA	CHC-C1C	2.92	1.42	1.35
13	2	518	CLA	C4D-ND	-2.92	1.33	1.37
13	3	513	CLA	C4D-ND	-2.91	1.33	1.37
13	T	1303	CLA	CHC-C1C	2.91	1.42	1.35
13	t	507	CLA	CHC-C1C	2.91	1.42	1.35
13	t	512	CLA	CHC-C1C	2.91	1.42	1.35
13	Y	503	CLA	C4D-ND	-2.91	1.33	1.37
13	e	1011	CLA	C4D-ND	-2.91	1.33	1.37
13	Z	502	CLA	CHC-C1C	2.91	1.42	1.35
13	4	512	CLA	C4D-ND	-2.91	1.33	1.37
13	u	502	CLA	C4D-ND	-2.91	1.33	1.37
13	t	516	CLA	C4D-ND	-2.91	1.33	1.37
13	3	511	CLA	C4D-ND	-2.91	1.33	1.37
13	v	506	CLA	C4D-ND	-2.91	1.33	1.37
13	H	1225	CLA	C1D-ND	2.91	1.41	1.37
13	4	505	CLA	C4D-ND	-2.91	1.33	1.37
13	5	508	CLA	C4D-ND	-2.91	1.33	1.37
13	f	1223	CLA	CHC-C1C	2.91	1.42	1.35
13	c	508	CLA	C4D-ND	-2.91	1.33	1.37
13	v	518	CLA	C4D-ND	-2.91	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	5	510	CLA	C4D-ND	-2.91	1.33	1.37
13	5	517	CLA	C4D-ND	-2.91	1.33	1.37
13	a	517	CLA	C4D-ND	-2.91	1.33	1.37
13	d	512	CLA	C4D-ND	-2.91	1.33	1.37
13	A	1123	CLA	CHC-C1C	2.91	1.42	1.35
13	R	1302	CLA	CHC-C1C	2.91	1.42	1.35
13	f	1210	CLA	CHC-C1C	2.91	1.42	1.35
13	A	1129	CLA	CMB-C2B	-2.91	1.45	1.51
13	H	1214	CLA	CMB-C2B	-2.91	1.45	1.51
13	B	1219	CLA	CHC-C1C	2.91	1.42	1.35
13	3	517	CLA	C4D-ND	-2.91	1.33	1.37
13	a	511	CLA	C4D-ND	-2.91	1.33	1.37
13	B	1215	CLA	CMB-C2B	-2.91	1.45	1.51
13	H	1219	CLA	CHC-C1C	2.91	1.42	1.35
13	G	1103	CLA	C1D-ND	2.91	1.41	1.37
13	F	1302	CLA	CHC-C1C	2.91	1.42	1.35
20	2	822	SQD	O47-C7	2.90	1.42	1.34
13	t	511	CLA	C4D-ND	-2.90	1.33	1.37
13	e	1123	CLA	CHC-C1C	2.90	1.42	1.35
13	Z	518	CLA	C4D-ND	-2.90	1.33	1.37
13	s	517	CLA	C4D-ND	-2.90	1.33	1.37
13	u	504	CLA	C4D-ND	-2.90	1.33	1.37
13	B	1216	CLA	C3B-C2B	-2.90	1.36	1.40
13	e	1109	CLA	CHC-C1C	2.90	1.42	1.35
13	u	505	CLA	C4D-ND	-2.90	1.33	1.37
13	B	1211	CLA	CHC-C1C	2.90	1.42	1.35
13	v	502	CLA	CHC-C1C	2.90	1.42	1.35
13	c	510	CLA	C4D-ND	-2.90	1.33	1.37
13	J	1303	CLA	CHC-C1C	2.90	1.42	1.35
13	f	1216	CLA	C3B-C2B	-2.90	1.36	1.40
13	b	512	CLA	C4D-ND	-2.90	1.33	1.37
13	d	518	CLA	C4D-ND	-2.90	1.33	1.37
13	5	512	CLA	C4D-ND	-2.90	1.33	1.37
13	c	502	CLA	C4D-ND	-2.90	1.33	1.37
13	Y	511	CLA	C4D-ND	-2.90	1.33	1.37
13	2	502	CLA	CHC-C1C	2.90	1.42	1.35
13	2	511	CLA	C4D-ND	-2.89	1.33	1.37
13	r	517	CLA	C4D-ND	-2.89	1.33	1.37
13	r	518	CLA	C4D-ND	-2.89	1.33	1.37
13	v	512	CLA	C4D-ND	-2.89	1.33	1.37
13	1	513	CLA	C4D-ND	-2.89	1.33	1.37
13	a	505	CLA	C4D-ND	-2.89	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1219	CLA	CHC-C1C	2.89	1.42	1.35
13	e	1135	CLA	C1D-ND	2.89	1.41	1.37
13	a	510	CLA	C4D-ND	-2.89	1.33	1.37
13	Y	507	CLA	C4D-ND	-2.89	1.33	1.37
13	r	512	CLA	CHC-C1C	2.89	1.42	1.35
13	B	1220	CLA	CHC-C1C	2.89	1.42	1.35
13	H	1220	CLA	CHC-C1C	2.89	1.42	1.35
13	G	1123	CLA	CHC-C1C	2.89	1.42	1.35
13	4	511	CLA	C4D-ND	-2.89	1.33	1.37
13	c	511	CLA	C4D-ND	-2.89	1.33	1.37
13	d	503	CLA	C4D-ND	-2.89	1.33	1.37
20	r	822	SQD	O47-C7	2.88	1.42	1.34
13	d	513	CLA	C4D-ND	-2.88	1.33	1.37
13	b	508	CLA	CHC-C1C	2.88	1.42	1.35
13	u	503	CLA	C4D-ND	-2.88	1.33	1.37
13	c	517	CLA	C4D-ND	-2.88	1.33	1.37
13	b	505	CLA	C4D-ND	-2.88	1.33	1.37
13	c	503	CLA	C4D-ND	-2.88	1.33	1.37
13	5	505	CLA	C4D-ND	-2.88	1.33	1.37
13	H	1211	CLA	CHC-C1C	2.88	1.42	1.35
13	6	512	CLA	C4D-ND	-2.88	1.33	1.37
13	6	518	CLA	C4D-ND	-2.88	1.33	1.37
13	c	504	CLA	C4D-ND	-2.88	1.33	1.37
13	A	1129	CLA	C3B-CAB	-2.88	1.42	1.47
13	f	1220	CLA	CHC-C1C	2.88	1.42	1.35
13	H	1216	CLA	C3B-C2B	-2.88	1.36	1.40
13	G	1122	CLA	CHC-C1C	2.88	1.42	1.35
13	c	507	CLA	CHC-C1C	2.88	1.42	1.35
13	e	1118	CLA	CHC-C1C	2.88	1.42	1.35
13	4	508	CLA	CHC-C1C	2.88	1.42	1.35
13	q	513	CLA	C4D-ND	-2.88	1.33	1.37
13	G	1118	CLA	CHC-C1C	2.88	1.42	1.35
13	f	1225	CLA	C1D-ND	2.88	1.41	1.37
13	3	510	CLA	C4D-ND	-2.88	1.33	1.37
13	5	518	CLA	C4D-ND	-2.88	1.33	1.37
13	H	1223	CLA	CHC-C1C	2.87	1.42	1.35
13	f	1211	CLA	CHC-C1C	2.87	1.42	1.35
13	6	513	CLA	C4D-ND	-2.87	1.33	1.37
13	A	1118	CLA	CHC-C1C	2.87	1.42	1.35
13	Z	512	CLA	CHC-C1C	2.87	1.42	1.35
13	G	1135	CLA	C1D-ND	2.87	1.41	1.37
13	B	1223	CLA	CHC-C1C	2.87	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1215	CLA	CMB-C2B	-2.87	1.45	1.51
20	s	822	SQD	O47-C7	2.87	1.42	1.34
13	b	506	CLA	C4D-ND	-2.87	1.33	1.37
13	5	507	CLA	CHC-C1C	2.87	1.42	1.35
13	t	508	CLA	CHC-C1C	2.87	1.42	1.35
13	2	512	CLA	CHC-C1C	2.87	1.42	1.35
20	3	822	SQD	O47-C7	2.87	1.42	1.34
13	a	507	CLA	CHC-C1C	2.87	1.42	1.35
13	e	1129	CLA	C3B-CAB	-2.87	1.42	1.47
13	c	518	CLA	C4D-ND	-2.87	1.33	1.37
13	u	513	CLA	C4D-ND	-2.87	1.33	1.37
13	l	1303	CLA	CHC-C1C	2.87	1.42	1.35
13	G	1139	CLA	C1D-ND	2.87	1.41	1.37
13	e	1103	CLA	C1D-ND	2.87	1.41	1.37
13	4	501	CLA	C4D-ND	-2.87	1.33	1.37
13	5	504	CLA	C4D-ND	-2.87	1.33	1.37
13	5	513	CLA	C4D-ND	-2.86	1.33	1.37
13	c	512	CLA	C4D-ND	-2.86	1.33	1.37
13	s	519	CLA	C4D-ND	-2.86	1.33	1.37
13	Y	513	CLA	C4D-ND	-2.86	1.33	1.37
13	e	1122	CLA	CHC-C1C	2.86	1.42	1.35
13	u	507	CLA	CHC-C1C	2.86	1.42	1.35
13	r	506	CLA	CMB-C2B	-2.86	1.45	1.51
13	l	519	CLA	CHC-C1C	2.86	1.42	1.35
13	f	1217	CLA	CHC-C1C	2.86	1.42	1.35
13	c	505	CLA	C4D-ND	-2.86	1.33	1.37
13	G	1011	CLA	CHC-C1C	2.86	1.42	1.35
13	t	505	CLA	C4D-ND	-2.86	1.33	1.37
13	s	507	CLA	CHC-C1C	2.86	1.42	1.35
13	A	1135	CLA	C1D-ND	2.86	1.41	1.37
13	5	503	CLA	C4D-ND	-2.86	1.33	1.37
13	G	1129	CLA	C3B-CAB	-2.86	1.42	1.47
13	f	1227	CLA	CMB-C2B	-2.85	1.45	1.51
13	3	507	CLA	CHC-C1C	2.85	1.42	1.35
13	4	504	CLA	C4D-ND	-2.85	1.33	1.37
13	v	513	CLA	C4D-ND	-2.85	1.33	1.37
13	Z	506	CLA	CMB-C2B	-2.85	1.45	1.51
13	K	1103	CLA	CHC-C1C	2.85	1.42	1.35
13	A	1122	CLA	CHC-C1C	2.85	1.42	1.35
13	2	506	CLA	CMB-C2B	-2.85	1.45	1.51
13	Y	519	CLA	CHC-C1C	2.85	1.42	1.35
13	b	516	CLA	C4D-ND	-2.85	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	u	822	SQD	O47-C7	2.85	1.42	1.34
13	t	506	CLA	C4D-ND	-2.85	1.33	1.37
13	H	1227	CLA	CMB-C2B	-2.85	1.45	1.51
13	A	1133	CLA	CHC-C1C	2.85	1.42	1.35
13	l	1302	CLA	CHC-C1C	2.84	1.42	1.35
13	r	507	CLA	CHC-C1C	2.84	1.42	1.35
13	4	516	CLA	C4D-ND	-2.84	1.33	1.37
13	G	1022	CLA	CHC-C1C	2.84	1.42	1.35
13	J	1302	CLA	CHC-C1C	2.84	1.42	1.35
13	U	1103	CLA	CHC-C1C	2.84	1.42	1.35
13	b	501	CLA	C4D-ND	-2.84	1.33	1.37
20	a	822	SQD	O47-C7	2.84	1.42	1.34
13	s	510	CLA	C4D-ND	-2.84	1.33	1.37
20	5	822	SQD	O47-C7	2.84	1.42	1.34
13	A	1103	CLA	C1D-ND	2.84	1.41	1.37
13	A	1801	CLA	CHC-C1C	2.84	1.42	1.35
13	G	1133	CLA	CHC-C1C	2.84	1.42	1.35
13	t	501	CLA	C4D-ND	-2.84	1.33	1.37
13	m	1103	CLA	CHC-C1C	2.84	1.42	1.35
13	B	1217	CLA	CHC-C1C	2.83	1.42	1.35
20	c	822	SQD	O47-C7	2.83	1.42	1.34
13	b	504	CLA	C4D-ND	-2.83	1.33	1.37
13	2	507	CLA	CHC-C1C	2.83	1.42	1.35
13	G	1140	CLA	CMB-C2B	-2.83	1.45	1.51
13	c	513	CLA	C4D-ND	-2.83	1.33	1.37
13	Y	518	CLA	CHC-C1C	2.83	1.42	1.35
13	e	1133	CLA	CHC-C1C	2.83	1.42	1.35
13	e	1011	CLA	CHC-C1C	2.83	1.42	1.35
13	q	519	CLA	CHC-C1C	2.83	1.42	1.35
13	Z	507	CLA	CHC-C1C	2.83	1.42	1.35
13	u	518	CLA	C4D-ND	-2.83	1.33	1.37
13	f	1230	CLA	CMB-C2B	-2.83	1.45	1.51
13	A	1011	CLA	CHC-C1C	2.83	1.42	1.35
13	4	506	CLA	C4D-ND	-2.83	1.33	1.37
13	B	1230	CLA	CMB-C2B	-2.83	1.45	1.51
13	A	1137	CLA	CHC-C1C	2.83	1.42	1.35
13	1	517	CLA	C4D-ND	-2.83	1.33	1.37
13	m	1105	CLA	CHC-C1C	2.83	1.42	1.35
13	B	1227	CLA	CMB-C2B	-2.83	1.45	1.51
13	e	1129	CLA	CHC-C1C	2.82	1.42	1.35
13	c	508	CLA	CMB-C2B	-2.82	1.45	1.51
13	T	1302	CLA	CHC-C1C	2.82	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1801	CLA	CHC-C1C	2.82	1.42	1.35
13	e	1136	CLA	CHC-C1C	2.82	1.42	1.35
13	A	1140	CLA	CMB-C2B	-2.82	1.45	1.51
13	B	1215	CLA	CHC-C1C	2.82	1.42	1.35
13	H	1230	CLA	CMB-C2B	-2.82	1.45	1.51
13	f	1226	CLA	C1D-ND	2.82	1.41	1.37
13	K	1105	CLA	CHC-C1C	2.82	1.42	1.35
13	Y	507	CLA	CHC-C1C	2.82	1.42	1.35
13	U	1105	CLA	CHC-C1C	2.82	1.42	1.35
13	f	1204	CLA	CHC-C1C	2.82	1.42	1.35
13	B	1238	CLA	CMB-C2B	-2.82	1.45	1.51
13	e	1022	CLA	CHC-C1C	2.82	1.42	1.35
13	q	507	CLA	CHC-C1C	2.82	1.42	1.35
13	5	508	CLA	CMB-C2B	-2.82	1.45	1.51
13	A	1129	CLA	CHC-C1C	2.82	1.42	1.35
13	H	1215	CLA	CHC-C1C	2.82	1.42	1.35
13	A	1022	CLA	CHC-C1C	2.82	1.42	1.35
13	H	1217	CLA	CHC-C1C	2.82	1.42	1.35
13	G	1117	CLA	CMB-C2B	-2.82	1.45	1.51
13	l	518	CLA	CHC-C1C	2.82	1.42	1.35
13	G	1136	CLA	CHC-C1C	2.81	1.42	1.35
13	q	518	CLA	CHC-C1C	2.81	1.42	1.35
13	t	507	CLA	C4D-ND	-2.81	1.33	1.37
13	f	1238	CLA	CMB-C2B	-2.81	1.45	1.51
20	Y	822	SQD	O47-C7	2.81	1.42	1.34
13	l	505	CLA	C4D-ND	-2.81	1.33	1.37
13	e	1140	CLA	CMB-C2B	-2.81	1.45	1.51
13	B	1224	CLA	CHC-C1C	2.81	1.42	1.35
13	f	1215	CLA	CHC-C1C	2.81	1.42	1.35
13	l	507	CLA	CHC-C1C	2.81	1.42	1.35
13	e	1801	CLA	CHC-C1C	2.81	1.42	1.35
13	t	504	CLA	C4D-ND	-2.81	1.33	1.37
13	G	1129	CLA	CHC-C1C	2.81	1.42	1.35
13	6	508	CLA	CMB-C2B	-2.81	1.45	1.51
13	d	508	CLA	CMB-C2B	-2.81	1.45	1.51
13	B	1205	CLA	CMB-C2B	-2.80	1.45	1.51
13	e	1135	CLA	CHC-C1C	2.80	1.42	1.35
13	A	1131	CLA	CHC-C1C	2.80	1.42	1.35
13	a	506	CLA	CMB-C2B	-2.80	1.45	1.51
13	f	1205	CLA	CMB-C2B	-2.80	1.45	1.51
13	q	505	CLA	C4D-ND	-2.80	1.33	1.37
13	A	1136	CLA	CHC-C1C	2.80	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1119	CLA	CHC-C1C	2.80	1.42	1.35
13	u	508	CLA	CMB-C2B	-2.80	1.45	1.51
13	B	1204	CLA	CHC-C1C	2.80	1.42	1.35
13	A	1119	CLA	CHC-C1C	2.80	1.42	1.35
13	A	1135	CLA	CHC-C1C	2.80	1.42	1.35
13	f	1021	CLA	CHC-C1C	2.80	1.42	1.35
13	t	503	CLA	C4D-ND	-2.80	1.33	1.37
13	v	507	CLA	C4D-ND	-2.80	1.33	1.37
13	H	1204	CLA	CHC-C1C	2.80	1.42	1.35
20	l	822	SQD	O47-C7	2.80	1.42	1.34
20	q	822	SQD	O47-C7	2.80	1.42	1.34
13	H	1235	CLA	CMB-C2B	-2.80	1.45	1.51
13	f	1232	CLA	CMB-C2B	-2.80	1.45	1.51
13	f	1224	CLA	CHC-C1C	2.80	1.42	1.35
13	B	1230	CLA	CHC-C1C	2.80	1.42	1.35
13	G	1135	CLA	CHC-C1C	2.80	1.42	1.35
13	e	1137	CLA	CHC-C1C	2.80	1.42	1.35
13	G	1107	CLA	CMD-C2D	-2.80	1.44	1.50
13	Y	505	CLA	C4D-ND	-2.80	1.33	1.37
13	G	1137	CLA	CHC-C1C	2.80	1.42	1.35
13	e	1131	CLA	CHC-C1C	2.80	1.42	1.35
13	f	1235	CLA	CMB-C2B	-2.80	1.45	1.51
13	Y	517	CLA	C4D-ND	-2.80	1.33	1.37
13	3	506	CLA	CMB-C2B	-2.80	1.45	1.51
13	G	1131	CLA	CHC-C1C	2.79	1.42	1.35
13	6	507	CLA	C4D-ND	-2.79	1.33	1.37
13	A	1117	CLA	CMB-C2B	-2.79	1.45	1.51
13	H	1230	CLA	CHC-C1C	2.79	1.42	1.35
13	H	1205	CLA	CMB-C2B	-2.79	1.45	1.51
13	e	1119	CLA	CHC-C1C	2.79	1.42	1.35
13	B	1226	CLA	C1D-ND	2.79	1.41	1.37
13	A	1107	CLA	CMD-C2D	-2.79	1.44	1.50
13	e	1107	CLA	CMD-C2D	-2.79	1.44	1.50
13	b	502	CLA	C4D-ND	-2.79	1.33	1.37
13	f	1230	CLA	CHC-C1C	2.78	1.42	1.35
13	4	502	CLA	C4D-ND	-2.78	1.33	1.37
13	v	508	CLA	CMB-C2B	-2.78	1.45	1.51
13	B	1235	CLA	CMB-C2B	-2.78	1.45	1.51
13	B	1021	CLA	CHC-C1C	2.78	1.42	1.35
13	b	510	CLA	C4D-ND	-2.78	1.33	1.37
13	H	1021	CLA	CHC-C1C	2.78	1.42	1.35
13	H	1224	CLA	CHC-C1C	2.78	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	c	516	CLA	C4D-ND	-2.78	1.33	1.37
13	H	1226	CLA	C1D-ND	2.78	1.41	1.37
13	H	1238	CLA	CMB-C2B	-2.78	1.45	1.51
13	b	503	CLA	C4D-ND	-2.78	1.33	1.37
13	4	510	CLA	C4D-ND	-2.78	1.33	1.37
13	e	1117	CLA	CMB-C2B	-2.77	1.45	1.51
13	5	516	CLA	C4D-ND	-2.77	1.33	1.37
13	G	1106	CLA	CMB-C2B	-2.77	1.45	1.51
13	f	1012	CLA	C1D-ND	2.77	1.41	1.37
13	B	1227	CLA	C3B-C2B	-2.77	1.36	1.40
13	H	1232	CLA	CMB-C2B	-2.77	1.45	1.51
13	A	1106	CLA	CMB-C2B	-2.77	1.45	1.51
13	4	503	CLA	C4D-ND	-2.77	1.33	1.37
13	q	517	CLA	C4D-ND	-2.76	1.33	1.37
13	G	1133	CLA	CMB-C2B	-2.76	1.45	1.51
13	B	1232	CLA	CMB-C2B	-2.76	1.45	1.51
13	e	1106	CLA	CMB-C2B	-2.76	1.45	1.51
13	G	1114	CLA	CHC-C1C	2.76	1.42	1.35
13	e	1114	CLA	CHC-C1C	2.75	1.42	1.35
13	s	506	CLA	CMB-C2B	-2.75	1.45	1.51
13	4	507	CLA	C4D-ND	-2.75	1.33	1.37
13	u	516	CLA	C4D-ND	-2.75	1.33	1.37
13	t	510	CLA	C4D-ND	-2.75	1.33	1.37
13	t	502	CLA	C4D-ND	-2.75	1.33	1.37
13	Y	502	CLA	CMB-C2B	-2.75	1.45	1.51
13	q	502	CLA	CMB-C2B	-2.75	1.45	1.51
13	A	1114	CLA	CHC-C1C	2.74	1.42	1.35
13	H	1227	CLA	C3B-C2B	-2.74	1.36	1.40
13	s	511	CLA	CMB-C2B	-2.74	1.45	1.51
13	l	502	CLA	CMB-C2B	-2.74	1.45	1.51
13	A	1133	CLA	CMB-C2B	-2.74	1.45	1.51
13	a	511	CLA	CMB-C2B	-2.73	1.46	1.51
13	e	1128	CLA	CHC-C1C	2.73	1.42	1.35
13	e	1133	CLA	CMB-C2B	-2.73	1.46	1.51
13	d	507	CLA	C4D-ND	-2.73	1.33	1.37
13	A	1108	CLA	CMB-C2B	-2.73	1.46	1.51
13	B	1012	CLA	C1D-ND	2.72	1.41	1.37
13	f	1227	CLA	C3B-C2B	-2.72	1.36	1.40
13	G	1108	CLA	CMB-C2B	-2.72	1.46	1.51
13	j	1301	CLA	CMB-C2B	-2.72	1.46	1.51
13	q	518	CLA	CMB-C2B	-2.72	1.46	1.51
13	b	511	CLA	CMB-C2B	-2.72	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	L	5216	SQD	O47-C7	2.72	1.42	1.34
13	e	1117	CLA	CHC-C1C	2.72	1.41	1.35
13	j	1302	CLA	CMB-C2B	-2.72	1.46	1.51
13	t	511	CLA	CMB-C2B	-2.72	1.46	1.51
13	H	1212	CLA	CHC-C1C	2.72	1.41	1.35
13	B	1212	CLA	CHC-C1C	2.72	1.41	1.35
13	3	511	CLA	CMB-C2B	-2.72	1.46	1.51
13	2	502	CLA	C3B-C2B	-2.72	1.36	1.40
13	F	1302	CLA	CMB-C2B	-2.72	1.46	1.51
13	e	1139	CLA	CMD-C2D	-2.71	1.45	1.50
13	A	1128	CLA	CHC-C1C	2.71	1.41	1.35
13	s	502	CLA	CMB-C2B	-2.71	1.46	1.51
13	G	1128	CLA	CHC-C1C	2.71	1.41	1.35
20	V	5216	SQD	O47-C7	2.71	1.41	1.34
13	Y	518	CLA	CMB-C2B	-2.71	1.46	1.51
13	b	507	CLA	C4D-ND	-2.71	1.34	1.37
20	n	5216	SQD	O47-C7	2.71	1.41	1.34
13	4	511	CLA	CMB-C2B	-2.71	1.46	1.51
13	a	502	CLA	CMB-C2B	-2.71	1.46	1.51
13	e	1108	CLA	CMB-C2B	-2.71	1.46	1.51
13	K	1103	CLA	CMB-C2B	-2.71	1.46	1.51
13	3	502	CLA	CMB-C2B	-2.71	1.46	1.51
13	R	1302	CLA	CMB-C2B	-2.70	1.46	1.51
13	Z	502	CLA	C3B-C2B	-2.70	1.36	1.40
13	f	1205	CLA	CHC-C1C	2.70	1.41	1.35
13	H	1012	CLA	C1D-ND	2.70	1.41	1.37
13	Z	511	CLA	CMB-C2B	-2.70	1.46	1.51
13	A	1139	CLA	CMD-C2D	-2.70	1.45	1.50
13	A	1117	CLA	CHC-C1C	2.70	1.41	1.35
13	1	518	CLA	CMB-C2B	-2.70	1.46	1.51
13	K	1401	CLA	CMB-C2B	-2.70	1.46	1.51
13	6	502	CLA	CMB-C2B	-2.70	1.46	1.51
13	r	502	CLA	C3B-C2B	-2.70	1.36	1.40
13	f	1212	CLA	CHC-C1C	2.70	1.41	1.35
13	B	1219	CLA	CMB-C2B	-2.70	1.46	1.51
13	G	1121	CLA	CMD-C2D	-2.69	1.45	1.50
13	e	1121	CLA	CMD-C2D	-2.69	1.45	1.50
13	H	1219	CLA	CMB-C2B	-2.69	1.46	1.51
13	e	1011	CLA	CMB-C2B	-2.69	1.46	1.51
13	f	1219	CLA	CMB-C2B	-2.69	1.46	1.51
13	d	502	CLA	CMB-C2B	-2.69	1.46	1.51
13	B	1205	CLA	CHC-C1C	2.69	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	m	1103	CLA	CMB-C2B	-2.69	1.46	1.51
13	G	1139	CLA	CMD-C2D	-2.69	1.45	1.50
20	H	1852	SQD	O48-C23	2.69	1.41	1.33
13	U	1401	CLA	CMB-C2B	-2.69	1.46	1.51
13	G	1103	CLA	CMC-C2C	-2.68	1.45	1.50
13	r	511	CLA	CMB-C2B	-2.68	1.46	1.51
13	e	1103	CLA	CMC-C2C	-2.68	1.45	1.50
13	R	1301	CLA	CMB-C2B	-2.68	1.46	1.51
13	A	1237	CLA	CHC-C1C	2.68	1.41	1.35
13	F	1301	CLA	CMB-C2B	-2.68	1.46	1.51
13	e	1101	CLA	CMB-C2B	-2.68	1.46	1.51
13	m	1401	CLA	CMB-C2B	-2.68	1.46	1.51
13	G	1117	CLA	CHC-C1C	2.68	1.41	1.35
13	G	1011	CLA	CMB-C2B	-2.67	1.46	1.51
13	v	502	CLA	CMB-C2B	-2.67	1.46	1.51
13	q	519	CLA	CMB-C2B	-2.67	1.46	1.51
13	e	1237	CLA	CHC-C1C	2.67	1.41	1.35
13	e	1125	CLA	CMB-C2B	-2.67	1.46	1.51
13	A	1125	CLA	CMB-C2B	-2.67	1.46	1.51
13	U	1103	CLA	CMB-C2B	-2.67	1.46	1.51
13	A	1101	CLA	CMB-C2B	-2.67	1.46	1.51
13	A	1121	CLA	CMD-C2D	-2.67	1.45	1.50
13	G	1101	CLA	CMB-C2B	-2.67	1.46	1.51
13	2	511	CLA	CMB-C2B	-2.67	1.46	1.51
13	H	1225	CLA	CMB-C2B	-2.67	1.46	1.51
20	B	1852	SQD	O48-C23	2.67	1.41	1.33
13	H	1205	CLA	CHC-C1C	2.66	1.41	1.35
13	4	512	CLA	CMB-C2B	-2.66	1.46	1.51
20	f	1852	SQD	O48-C23	2.66	1.41	1.33
13	H	1021	CLA	CMD-C2D	-2.66	1.45	1.50
13	f	1239	CLA	CHC-C1C	2.66	1.41	1.35
13	H	1239	CLA	CHC-C1C	2.66	1.41	1.35
13	B	1239	CLA	CHC-C1C	2.66	1.41	1.35
13	A	1103	CLA	CMC-C2C	-2.66	1.45	1.50
13	G	1237	CLA	CHC-C1C	2.66	1.41	1.35
13	A	1011	CLA	CMB-C2B	-2.66	1.46	1.51
13	G	1125	CLA	CMB-C2B	-2.65	1.46	1.51
13	1	519	CLA	CMB-C2B	-2.65	1.46	1.51
13	G	1130	CLA	CMB-C2B	-2.65	1.46	1.51
13	b	512	CLA	CMB-C2B	-2.65	1.46	1.51
13	e	1137	CLA	CMB-C2B	-2.64	1.46	1.51
19	f	5002	LMG	O8-C9	-2.64	1.39	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	n	1501	CLA	CMB-C2B	-2.64	1.46	1.51
13	G	1122	CLA	CMB-C2B	-2.64	1.46	1.51
13	L	1501	CLA	CMB-C2B	-2.64	1.46	1.51
13	B	1229	CLA	C1D-ND	2.64	1.41	1.37
13	H	1229	CLA	C1D-ND	2.64	1.41	1.37
13	t	512	CLA	CMB-C2B	-2.64	1.46	1.51
13	f	1021	CLA	CMD-C2D	-2.64	1.45	1.50
13	e	1107	CLA	C1D-ND	2.64	1.41	1.37
13	l	1302	CLA	CMB-C2B	-2.64	1.46	1.51
13	f	1221	CLA	CMB-C2B	-2.64	1.46	1.51
13	V	1501	CLA	CMB-C2B	-2.64	1.46	1.51
13	A	1137	CLA	CMB-C2B	-2.64	1.46	1.51
14	H	2002	PQN	C11-C12	2.64	1.54	1.50
13	G	1137	CLA	CMB-C2B	-2.64	1.46	1.51
20	H	1852	SQD	O47-C45	-2.63	1.40	1.46
14	f	2002	PQN	C11-C12	2.63	1.54	1.50
13	B	1225	CLA	CMB-C2B	-2.63	1.46	1.51
13	q	511	CLA	CMB-C2B	-2.63	1.46	1.51
13	A	1121	CLA	CMB-C2B	-2.63	1.46	1.51
13	l	511	CLA	CMB-C2B	-2.63	1.46	1.51
13	e	1115	CLA	CMC-C2C	-2.63	1.45	1.50
13	G	1107	CLA	C1D-ND	2.63	1.41	1.37
13	b	519	CLA	CMB-C2B	-2.63	1.46	1.51
13	A	1107	CLA	C1D-ND	2.63	1.41	1.37
13	G	1121	CLA	CMB-C2B	-2.63	1.46	1.51
13	G	1131	CLA	CMB-C2B	-2.63	1.46	1.51
13	e	1122	CLA	CMB-C2B	-2.62	1.46	1.51
13	f	1221	CLA	CMD-C2D	-2.62	1.45	1.50
13	B	1021	CLA	CMD-C2D	-2.62	1.45	1.50
13	A	1122	CLA	CMB-C2B	-2.62	1.46	1.51
13	Y	511	CLA	CMB-C2B	-2.62	1.46	1.51
13	v	511	CLA	CMB-C2B	-2.62	1.46	1.51
13	A	1130	CLA	CMB-C2B	-2.62	1.46	1.51
13	B	1224	CLA	CMB-C2B	-2.62	1.46	1.51
13	J	1302	CLA	CMB-C2B	-2.62	1.46	1.51
13	Y	519	CLA	CMB-C2B	-2.62	1.46	1.51
13	e	1138	CLA	CMB-C2B	-2.62	1.46	1.51
13	4	519	CLA	CMB-C2B	-2.62	1.46	1.51
13	e	1130	CLA	CMB-C2B	-2.62	1.46	1.51
13	e	1121	CLA	CMB-C2B	-2.61	1.46	1.51
20	B	1852	SQD	O47-C45	-2.61	1.40	1.46
13	B	1221	CLA	CMB-C2B	-2.61	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	H	1207	CLA	CMB-C2B	-2.61	1.46	1.51
13	3	512	CLA	CMB-C2B	-2.61	1.46	1.51
13	f	1207	CLA	CMB-C2B	-2.61	1.46	1.51
13	G	1110	CLA	CMB-C2B	-2.61	1.46	1.51
13	H	1021	CLA	CMB-C2B	-2.61	1.46	1.51
13	u	511	CLA	CMB-C2B	-2.61	1.46	1.51
13	a	512	CLA	CMB-C2B	-2.61	1.46	1.51
13	e	1120	CLA	CMB-C2B	-2.61	1.46	1.51
13	H	1209	CLA	CMB-C2B	-2.61	1.46	1.51
13	c	502	CLA	CMB-C2B	-2.61	1.46	1.51
13	A	1132	CLA	CMB-C2B	-2.61	1.46	1.51
13	G	1132	CLA	CMB-C2B	-2.61	1.46	1.51
13	A	1115	CLA	CMC-C2C	-2.61	1.45	1.50
14	B	2002	PQN	C11-C12	2.61	1.54	1.50
13	A	1131	CLA	CMB-C2B	-2.61	1.46	1.51
13	q	512	CLA	CMB-C2B	-2.61	1.46	1.51
13	B	1225	CLA	CMD-C2D	-2.60	1.45	1.50
13	Y	512	CLA	CMB-C2B	-2.60	1.46	1.51
13	G	1134	CLA	CMB-C2B	-2.60	1.46	1.51
13	t	502	CLA	CMB-C2B	-2.60	1.46	1.51
19	B	5002	LMG	O8-C9	-2.60	1.39	1.45
14	e	2001	PQN	C11-C3	2.60	1.55	1.51
13	f	1225	CLA	CMB-C2B	-2.60	1.46	1.51
13	5	502	CLA	CMB-C2B	-2.60	1.46	1.51
13	H	1023	CLA	C1D-ND	2.60	1.41	1.37
13	T	1302	CLA	CMB-C2B	-2.60	1.46	1.51
13	f	1021	CLA	CMB-C2B	-2.60	1.46	1.51
13	t	519	CLA	CMB-C2B	-2.60	1.46	1.51
13	f	1217	CLA	CMB-C2B	-2.60	1.46	1.51
13	r	509	CLA	CMB-C2B	-2.60	1.46	1.51
13	A	1138	CLA	CMB-C2B	-2.60	1.46	1.51
13	G	1138	CLA	CMB-C2B	-2.60	1.46	1.51
13	H	1225	CLA	CMD-C2D	-2.60	1.45	1.50
13	f	1229	CLA	C1D-ND	2.60	1.41	1.37
13	6	511	CLA	CMB-C2B	-2.60	1.46	1.51
13	H	1212	CLA	CMB-C2B	-2.60	1.46	1.51
13	H	1236	CLA	CMB-C2B	-2.60	1.46	1.51
20	f	1852	SQD	O47-C45	-2.60	1.40	1.46
13	H	1224	CLA	CMB-C2B	-2.60	1.46	1.51
13	5	511	CLA	CMB-C2B	-2.59	1.46	1.51
13	c	511	CLA	CMB-C2B	-2.59	1.46	1.51
13	A	1118	CLA	CMB-C2B	-2.59	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1105	CLA	CMB-C2B	-2.59	1.46	1.51
13	A	1105	CLA	CMB-C2B	-2.59	1.46	1.51
13	A	1134	CLA	CMB-C2B	-2.59	1.46	1.51
13	G	1124	CLA	CMB-C2B	-2.59	1.46	1.51
13	B	1221	CLA	CMD-C2D	-2.59	1.45	1.50
13	A	1124	CLA	CMB-C2B	-2.59	1.46	1.51
13	d	511	CLA	CMB-C2B	-2.59	1.46	1.51
13	e	1105	CLA	CMB-C2B	-2.59	1.46	1.51
13	e	1129	CLA	CMD-C2D	-2.59	1.45	1.50
13	B	1209	CLA	CMB-C2B	-2.59	1.46	1.51
13	B	1236	CLA	CMB-C2B	-2.59	1.46	1.51
13	4	502	CLA	CMB-C2B	-2.59	1.46	1.51
13	H	1221	CLA	CMD-C2D	-2.59	1.45	1.50
13	e	1118	CLA	CMB-C2B	-2.59	1.46	1.51
13	f	1224	CLA	CMB-C2B	-2.59	1.46	1.51
13	A	1135	CLA	CMD-C2D	-2.59	1.45	1.50
13	B	1207	CLA	CMB-C2B	-2.59	1.46	1.51
13	b	506	CLA	CMB-C2B	-2.59	1.46	1.51
13	G	1115	CLA	CMC-C2C	-2.59	1.45	1.50
13	Z	519	CLA	CMB-C2B	-2.59	1.46	1.51
13	e	1134	CLA	CMB-C2B	-2.59	1.46	1.51
13	s	512	CLA	CMB-C2B	-2.59	1.46	1.51
13	B	1230	CLA	C3B-C2B	-2.59	1.36	1.40
13	A	1110	CLA	CMB-C2B	-2.59	1.46	1.51
13	1	512	CLA	CMB-C2B	-2.59	1.46	1.51
13	f	1209	CLA	CMB-C2B	-2.59	1.46	1.51
13	f	1230	CLA	C3B-C2B	-2.59	1.36	1.40
13	e	1124	CLA	CMB-C2B	-2.59	1.46	1.51
13	B	1214	CLA	CMC-C2C	-2.59	1.45	1.50
13	B	1021	CLA	CMB-C2B	-2.59	1.46	1.51
13	2	509	CLA	CMB-C2B	-2.59	1.46	1.51
19	H	5002	LMG	O8-C9	-2.59	1.39	1.45
13	e	1136	CLA	CMB-C2B	-2.59	1.46	1.51
13	u	502	CLA	CMB-C2B	-2.59	1.46	1.51
13	e	1132	CLA	CMB-C2B	-2.58	1.46	1.51
13	f	1023	CLA	C1D-ND	2.58	1.41	1.37
13	H	1214	CLA	CMC-C2C	-2.58	1.45	1.50
13	t	506	CLA	CMB-C2B	-2.58	1.46	1.51
13	G	1136	CLA	CMB-C2B	-2.58	1.46	1.51
13	s	518	CLA	CMB-C2B	-2.58	1.46	1.51
13	e	1110	CLA	CMB-C2B	-2.58	1.46	1.51
13	f	1236	CLA	CMB-C2B	-2.58	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Z	501	CLA	CMB-C2B	-2.58	1.46	1.51
13	H	1221	CLA	CMB-C2B	-2.57	1.46	1.51
13	Y	504	CLA	CMB-C2B	-2.57	1.46	1.51
13	G	1102	CLA	CMB-C2B	-2.57	1.46	1.51
13	H	1217	CLA	CMB-C2B	-2.57	1.46	1.51
13	e	1135	CLA	CMD-C2D	-2.57	1.45	1.50
13	f	1225	CLA	CMD-C2D	-2.57	1.45	1.50
13	G	1139	CLA	CMB-C2B	-2.57	1.46	1.51
13	e	1131	CLA	CMB-C2B	-2.57	1.46	1.51
13	q	501	CLA	CMB-C2B	-2.57	1.46	1.51
13	f	1214	CLA	CMC-C2C	-2.57	1.45	1.50
13	G	1129	CLA	CMD-C2D	-2.57	1.45	1.50
13	B	1217	CLA	CMB-C2B	-2.57	1.46	1.51
13	l	501	CLA	CMB-C2B	-2.57	1.46	1.51
13	e	1801	CLA	CMB-C2B	-2.57	1.46	1.51
13	A	1801	CLA	CMB-C2B	-2.56	1.46	1.51
13	4	506	CLA	CMB-C2B	-2.56	1.46	1.51
13	f	1220	CLA	CMB-C2B	-2.56	1.46	1.51
13	H	1219	CLA	CMD-C2D	-2.56	1.45	1.50
13	G	1103	CLA	CMB-C2B	-2.56	1.46	1.51
13	r	518	CLA	CMB-C2B	-2.56	1.46	1.51
13	f	1212	CLA	CMB-C2B	-2.56	1.46	1.51
13	H	1222	CLA	CMB-C2B	-2.56	1.46	1.51
13	b	502	CLA	CMB-C2B	-2.56	1.46	1.51
14	A	2001	PQN	C11-C3	2.56	1.55	1.51
13	A	1129	CLA	CMD-C2D	-2.56	1.45	1.50
13	A	1120	CLA	CMB-C2B	-2.56	1.46	1.51
13	G	1118	CLA	CMB-C2B	-2.56	1.46	1.51
14	G	2001	PQN	C11-C3	2.56	1.55	1.51
13	B	1212	CLA	CMB-C2B	-2.56	1.46	1.51
13	H	1205	CLA	CMD-C2D	-2.56	1.45	1.50
13	2	519	CLA	CMB-C2B	-2.56	1.46	1.51
13	B	1023	CLA	C1D-ND	2.56	1.40	1.37
13	r	505	CLA	CMD-C2D	-2.56	1.45	1.50
13	G	1135	CLA	CMD-C2D	-2.56	1.45	1.50
13	Z	505	CLA	CMD-C2D	-2.55	1.45	1.50
13	c	518	CLA	CMB-C2B	-2.55	1.46	1.51
13	Y	501	CLA	CMB-C2B	-2.55	1.46	1.51
13	Z	513	CLA	CMB-C2B	-2.55	1.46	1.51
13	r	519	CLA	CMB-C2B	-2.55	1.46	1.51
13	G	1115	CLA	CMB-C2B	-2.55	1.46	1.51
13	c	512	CLA	CMB-C2B	-2.55	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	e	1139	CLA	CMB-C2B	-2.55	1.46	1.51
13	A	1128	CLA	C3B-C2B	-2.55	1.36	1.40
13	H	1212	CLA	CMC-C2C	-2.55	1.45	1.50
13	U	1105	CLA	CMB-C2B	-2.55	1.46	1.51
13	u	518	CLA	CMB-C2B	-2.55	1.46	1.51
13	B	1205	CLA	CMD-C2D	-2.55	1.45	1.50
13	B	1220	CLA	CMB-C2B	-2.55	1.46	1.51
13	2	513	CLA	CMB-C2B	-2.55	1.46	1.51
13	3	518	CLA	CMB-C2B	-2.55	1.46	1.51
13	H	1218	CLA	CMB-C2B	-2.55	1.46	1.51
13	Z	509	CLA	CMB-C2B	-2.55	1.46	1.51
13	r	501	CLA	CMB-C2B	-2.55	1.46	1.51
14	H	2002	PQN	C5-C4	-2.55	1.43	1.48
13	f	1222	CLA	CMB-C2B	-2.55	1.46	1.51
13	G	1801	CLA	CMB-C2B	-2.54	1.46	1.51
13	2	505	CLA	CMD-C2D	-2.54	1.45	1.50
13	A	1139	CLA	CMB-C2B	-2.54	1.46	1.51
13	B	1222	CLA	CMB-C2B	-2.54	1.46	1.51
13	q	505	CLA	CMD-C2D	-2.54	1.45	1.50
13	B	1234	CLA	MG-ND	-2.54	2.00	2.05
13	H	1234	CLA	MG-ND	-2.54	2.00	2.05
13	f	1012	CLA	CMB-C2B	-2.54	1.46	1.51
13	f	1205	CLA	CMD-C2D	-2.54	1.45	1.50
13	B	1012	CLA	CMB-C2B	-2.54	1.46	1.51
13	q	504	CLA	CMB-C2B	-2.54	1.46	1.51
13	A	1103	CLA	CMB-C2B	-2.54	1.46	1.51
13	A	1136	CLA	CMB-C2B	-2.54	1.46	1.51
13	2	501	CLA	CMB-C2B	-2.54	1.46	1.51
13	m	1105	CLA	CMB-C2B	-2.54	1.46	1.51
13	K	1105	CLA	CMB-C2B	-2.54	1.46	1.51
14	f	2002	PQN	C5-C4	-2.54	1.43	1.48
13	Z	512	CLA	CMB-C2B	-2.54	1.46	1.51
13	f	1240	CLA	CMB-C2B	-2.54	1.46	1.51
13	f	1219	CLA	CMD-C2D	-2.54	1.45	1.50
13	B	1234	CLA	CMB-C2B	-2.54	1.46	1.51
13	H	1012	CLA	CMB-C2B	-2.54	1.46	1.51
13	2	518	CLA	CMB-C2B	-2.54	1.46	1.51
13	B	1219	CLA	CMD-C2D	-2.53	1.45	1.50
13	q	519	CLA	C3B-CAB	-2.53	1.42	1.47
13	G	1120	CLA	CMB-C2B	-2.53	1.46	1.51
13	H	1234	CLA	CMB-C2B	-2.53	1.46	1.51
13	f	1210	CLA	CMB-C2B	-2.53	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	2002	PQN	C5-C4	-2.53	1.43	1.48
13	e	1115	CLA	CMB-C2B	-2.53	1.46	1.51
13	t	509	CLA	CMB-C2B	-2.53	1.46	1.51
13	B	1218	CLA	CMB-C2B	-2.53	1.46	1.51
13	2	512	CLA	CMB-C2B	-2.53	1.46	1.51
13	A	1112	CLA	CMB-C2B	-2.53	1.46	1.51
13	Z	504	CLA	CMB-C2B	-2.53	1.46	1.51
13	H	1220	CLA	CMB-C2B	-2.53	1.46	1.51
13	v	506	CLA	CMB-C2B	-2.53	1.46	1.51
13	l	519	CLA	C3B-CAB	-2.53	1.42	1.47
13	B	1208	CLA	CMB-C2B	-2.53	1.46	1.51
13	e	1112	CLA	CMB-C2B	-2.53	1.46	1.51
13	A	1102	CLA	CMB-C2B	-2.53	1.46	1.51
13	5	518	CLA	CMB-C2B	-2.53	1.46	1.51
13	c	513	CLA	CMB-C2B	-2.53	1.46	1.51
13	H	1230	CLA	C3B-C2B	-2.53	1.36	1.40
13	s	509	CLA	CMB-C2B	-2.53	1.46	1.51
13	G	1104	CLA	CMB-C2B	-2.53	1.46	1.51
13	G	1111	CLA	CMB-C2B	-2.53	1.46	1.51
13	G	1112	CLA	CMB-C2B	-2.53	1.46	1.51
13	r	513	CLA	CMB-C2B	-2.53	1.46	1.51
13	l	504	CLA	CMB-C2B	-2.52	1.46	1.51
13	e	1103	CLA	CMB-C2B	-2.52	1.46	1.51
13	A	1115	CLA	CMB-C2B	-2.52	1.46	1.51
13	f	1234	CLA	MG-ND	-2.52	2.00	2.05
13	B	1210	CLA	CMB-C2B	-2.52	1.46	1.51
13	e	1104	CLA	CMB-C2B	-2.52	1.46	1.51
13	r	512	CLA	CMB-C2B	-2.52	1.46	1.51
13	B	1240	CLA	CMB-C2B	-2.52	1.46	1.51
13	q	507	CLA	CMB-C2B	-2.52	1.46	1.51
13	H	1208	CLA	CMB-C2B	-2.52	1.46	1.51
13	G	1128	CLA	C3B-C2B	-2.52	1.36	1.40
13	s	505	CLA	CMD-C2D	-2.52	1.45	1.50
13	5	513	CLA	CMB-C2B	-2.52	1.46	1.51
13	u	504	CLA	CMB-C2B	-2.52	1.46	1.51
13	b	518	CLA	CMB-C2B	-2.52	1.46	1.51
13	f	1208	CLA	CMB-C2B	-2.52	1.46	1.51
13	A	1111	CLA	CMB-C2B	-2.52	1.46	1.51
13	3	504	CLA	CMB-C2B	-2.51	1.46	1.51
13	u	512	CLA	CMB-C2B	-2.51	1.46	1.51
13	H	1210	CLA	CMB-C2B	-2.51	1.46	1.51
13	e	1128	CLA	C3B-C2B	-2.51	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	6	518	CLA	CMB-C2B	-2.51	1.46	1.51
13	u	513	CLA	CMB-C2B	-2.51	1.46	1.51
13	q	509	CLA	CMB-C2B	-2.51	1.46	1.51
13	H	1217	CLA	CMD-C2D	-2.51	1.45	1.50
13	5	512	CLA	CMB-C2B	-2.51	1.46	1.51
13	e	1102	CLA	CMB-C2B	-2.51	1.46	1.51
13	B	1212	CLA	CMC-C2C	-2.51	1.45	1.50
13	A	1104	CLA	CMB-C2B	-2.51	1.46	1.51
13	Z	507	CLA	CMB-C2B	-2.51	1.46	1.51
13	B	1203	CLA	CMB-C2B	-2.51	1.46	1.51
13	5	504	CLA	CMB-C2B	-2.51	1.46	1.51
13	a	518	CLA	CMB-C2B	-2.51	1.46	1.51
13	c	504	CLA	CMB-C2B	-2.51	1.46	1.51
13	d	506	CLA	CMB-C2B	-2.51	1.46	1.51
13	d	518	CLA	CMB-C2B	-2.51	1.46	1.51
13	a	505	CLA	CMD-C2D	-2.51	1.45	1.50
13	G	1013	CLA	C1D-ND	2.51	1.40	1.37
13	H	1203	CLA	CMB-C2B	-2.51	1.46	1.51
13	1	509	CLA	CMB-C2B	-2.51	1.46	1.51
13	3	507	CLA	CMB-C2B	-2.51	1.46	1.51
13	e	1111	CLA	CMB-C2B	-2.51	1.46	1.51
13	f	1234	CLA	CMB-C2B	-2.51	1.46	1.51
13	f	1218	CLA	CMB-C2B	-2.50	1.46	1.51
13	f	1228	CLA	CMB-C2B	-2.50	1.46	1.51
13	Z	518	CLA	CMB-C2B	-2.50	1.46	1.51
13	s	504	CLA	CMB-C2B	-2.50	1.46	1.51
13	Y	519	CLA	C3B-CAB	-2.50	1.42	1.47
13	2	517	CLA	CMB-C2B	-2.50	1.46	1.51
13	a	519	CLA	CMB-C2B	-2.50	1.46	1.51
13	c	506	CLA	CMB-C2B	-2.50	1.46	1.51
13	3	505	CLA	CMD-C2D	-2.50	1.45	1.50
13	6	512	CLA	CMB-C2B	-2.50	1.46	1.51
13	d	512	CLA	CMB-C2B	-2.50	1.46	1.51
13	2	504	CLA	CMB-C2B	-2.50	1.46	1.51
13	f	1203	CLA	CMB-C2B	-2.50	1.46	1.51
13	v	518	CLA	CMB-C2B	-2.50	1.46	1.51
13	3	503	CLA	CMB-C2B	-2.50	1.46	1.51
13	G	1109	CLA	CMB-C2B	-2.50	1.46	1.51
13	f	1206	CLA	CHC-C1C	2.50	1.41	1.35
13	2	507	CLA	CMB-C2B	-2.50	1.46	1.51
13	4	518	CLA	CMB-C2B	-2.50	1.46	1.51
13	1	505	CLA	CMD-C2D	-2.49	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	H	1240	CLA	CMB-C2B	-2.49	1.46	1.51
13	s	503	CLA	CMB-C2B	-2.49	1.46	1.51
13	A	1013	CLA	C1D-ND	2.49	1.40	1.37
13	H	1226	CLA	MG-ND	-2.49	2.00	2.05
13	3	509	CLA	CMB-C2B	-2.49	1.46	1.51
13	a	504	CLA	CMB-C2B	-2.49	1.46	1.51
13	s	507	CLA	CMB-C2B	-2.49	1.46	1.51
17	A	5004	LHG	O7-C5	-2.49	1.40	1.46
13	Y	507	CLA	CMB-C2B	-2.49	1.46	1.51
13	A	1109	CLA	CMB-C2B	-2.49	1.46	1.51
13	6	506	CLA	CMB-C2B	-2.49	1.46	1.51
13	c	516	CLA	CMB-C2B	-2.49	1.46	1.51
13	v	512	CLA	CMB-C2B	-2.49	1.46	1.51
13	1	507	CLA	CMB-C2B	-2.49	1.46	1.51
13	l	1303	CLA	CMB-C2B	-2.49	1.46	1.51
13	B	1217	CLA	CMD-C2D	-2.49	1.45	1.50
13	5	506	CLA	CMB-C2B	-2.49	1.46	1.51
13	t	518	CLA	CMB-C2B	-2.49	1.46	1.51
13	f	1212	CLA	CMC-C2C	-2.49	1.45	1.50
13	Y	509	CLA	CMB-C2B	-2.49	1.46	1.51
13	e	1013	CLA	CMD-C2D	-2.49	1.45	1.50
17	G	5004	LHG	O7-C5	-2.49	1.40	1.46
13	e	1013	CLA	C1D-ND	2.49	1.40	1.37
13	G	1126	CLA	CMB-C2B	-2.49	1.46	1.51
13	H	1228	CLA	CMB-C2B	-2.49	1.46	1.51
13	Z	517	CLA	CMB-C2B	-2.49	1.46	1.51
13	a	507	CLA	CMB-C2B	-2.49	1.46	1.51
13	B	1226	CLA	MG-ND	-2.49	2.00	2.05
13	A	1113	CLA	CMB-C2B	-2.49	1.46	1.51
13	J	1303	CLA	CMB-C2B	-2.49	1.46	1.51
13	a	503	CLA	CMB-C2B	-2.49	1.46	1.51
13	G	1113	CLA	CMB-C2B	-2.49	1.46	1.51
13	Y	505	CLA	CMD-C2D	-2.48	1.45	1.50
13	e	1113	CLA	CMB-C2B	-2.48	1.46	1.51
13	r	517	CLA	CMB-C2B	-2.48	1.46	1.51
13	4	509	CLA	CMB-C2B	-2.48	1.46	1.51
13	e	1109	CLA	CMB-C2B	-2.48	1.46	1.51
17	e	5004	LHG	O7-C5	-2.48	1.40	1.46
13	1	517	CLA	CMB-C2B	-2.48	1.46	1.51
13	A	1103	CLA	CMD-C2D	-2.48	1.45	1.50
13	c	503	CLA	CMB-C2B	-2.48	1.46	1.51
13	e	1126	CLA	CMB-C2B	-2.48	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	q	513	CLA	CMB-C2B	-2.48	1.46	1.51
13	s	517	CLA	CMB-C2B	-2.48	1.46	1.51
13	A	1011	CLA	CMD-C2D	-2.48	1.45	1.50
14	B	2002	PQN	C10-C5	-2.48	1.36	1.40
13	t	519	CLA	C3B-C2B	-2.48	1.36	1.40
14	e	2001	PQN	C10-C5	-2.48	1.36	1.40
13	l	513	CLA	CMB-C2B	-2.48	1.46	1.51
13	H	1201	CLA	CMB-C2B	-2.48	1.46	1.51
13	u	506	CLA	CMB-C2B	-2.48	1.46	1.51
13	3	517	CLA	CMB-C2B	-2.47	1.46	1.51
13	r	504	CLA	CMB-C2B	-2.47	1.46	1.51
13	f	1217	CLA	CMD-C2D	-2.47	1.45	1.50
13	e	1103	CLA	CMD-C2D	-2.47	1.45	1.50
13	f	1226	CLA	MG-ND	-2.47	2.00	2.05
13	G	1101	CLA	C3B-C2B	-2.47	1.36	1.40
13	L	1502	CLA	CMB-C2B	-2.47	1.46	1.51
13	5	516	CLA	CMB-C2B	-2.47	1.46	1.51
13	u	517	CLA	CMB-C2B	-2.47	1.46	1.51
13	A	1101	CLA	C3B-C2B	-2.47	1.36	1.40
13	H	1213	CLA	CMB-C2B	-2.47	1.46	1.51
13	q	517	CLA	CMB-C2B	-2.47	1.46	1.51
13	B	1206	CLA	CHC-C1C	2.47	1.41	1.35
13	3	519	CLA	CMB-C2B	-2.47	1.46	1.51
13	e	1011	CLA	CMD-C2D	-2.47	1.45	1.50
13	4	501	CLA	CMB-C2B	-2.47	1.46	1.51
13	H	1206	CLA	CHC-C1C	2.47	1.41	1.35
13	B	1213	CLA	CMB-C2B	-2.47	1.46	1.51
13	T	1303	CLA	CMB-C2B	-2.47	1.46	1.51
13	f	1201	CLA	CMB-C2B	-2.47	1.46	1.51
13	B	1228	CLA	CMB-C2B	-2.47	1.46	1.51
13	n	1502	CLA	CMB-C2B	-2.47	1.46	1.51
13	Y	517	CLA	CMB-C2B	-2.47	1.46	1.51
13	d	503	CLA	CMB-C2B	-2.47	1.46	1.51
13	e	1013	CLA	CMC-C2C	-2.47	1.45	1.50
13	u	503	CLA	CMB-C2B	-2.47	1.46	1.51
13	s	513	CLA	CMB-C2B	-2.47	1.46	1.51
13	e	1022	CLA	CMD-C2D	-2.46	1.45	1.50
13	A	1013	CLA	CMD-C2D	-2.46	1.45	1.50
13	a	509	CLA	CMB-C2B	-2.46	1.46	1.51
13	L	1503	CLA	CMB-C2B	-2.46	1.46	1.51
13	3	513	CLA	CMB-C2B	-2.46	1.46	1.51
13	V	1503	CLA	CMB-C2B	-2.46	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	s	519	CLA	CMB-C2B	-2.46	1.46	1.51
13	u	510	CLA	CMB-C2B	-2.46	1.46	1.51
13	5	510	CLA	CMB-C2B	-2.46	1.46	1.51
13	5	503	CLA	CMB-C2B	-2.46	1.46	1.51
13	6	510	CLA	CMB-C2B	-2.46	1.46	1.51
13	d	510	CLA	CMB-C2B	-2.46	1.46	1.51
13	5	509	CLA	CMB-C2B	-2.46	1.46	1.51
13	c	507	CLA	CMB-C2B	-2.46	1.46	1.51
13	B	1240	CLA	CMD-C2D	-2.46	1.45	1.50
13	Y	513	CLA	CMB-C2B	-2.46	1.46	1.51
13	e	1022	CLA	MG-ND	-2.46	2.00	2.05
13	6	507	CLA	CMB-C2B	-2.46	1.46	1.51
13	A	1126	CLA	CMB-C2B	-2.46	1.46	1.51
13	A	1137	CLA	C3B-C2B	-2.46	1.37	1.40
13	B	1201	CLA	CMB-C2B	-2.46	1.46	1.51
13	6	513	CLA	CMB-C2B	-2.46	1.46	1.51
13	r	507	CLA	CMB-C2B	-2.46	1.46	1.51
13	u	507	CLA	CMB-C2B	-2.46	1.46	1.51
13	e	1137	CLA	C3B-C2B	-2.46	1.37	1.40
14	f	2002	PQN	C10-C5	-2.46	1.36	1.40
13	Y	516	CLA	CMB-C2B	-2.45	1.46	1.51
13	b	501	CLA	CMB-C2B	-2.45	1.46	1.51
13	H	1220	CLA	CMC-C2C	-2.45	1.45	1.50
13	b	509	CLA	CMB-C2B	-2.45	1.46	1.51
13	H	1210	CLA	CMC-C2C	-2.45	1.45	1.50
17	V	5221	LHG	O7-C5	-2.45	1.40	1.46
13	v	507	CLA	CMB-C2B	-2.45	1.46	1.51
13	u	509	CLA	CMB-C2B	-2.45	1.46	1.51
13	Y	503	CLA	CMB-C2B	-2.45	1.46	1.51
13	u	501	CLA	CMB-C2B	-2.45	1.46	1.51
13	t	513	CLA	CMB-C2B	-2.45	1.46	1.51
13	G	1013	CLA	CMD-C2D	-2.45	1.45	1.50
13	V	1502	CLA	CMB-C2B	-2.45	1.46	1.51
13	G	1124	CLA	CMD-C2D	-2.45	1.45	1.50
13	a	517	CLA	CMB-C2B	-2.45	1.46	1.51
13	A	1022	CLA	MG-ND	-2.45	2.00	2.05
17	L	5221	LHG	O7-C5	-2.45	1.40	1.46
13	n	1503	CLA	CMB-C2B	-2.45	1.46	1.51
13	r	516	CLA	CMB-C2B	-2.45	1.46	1.51
13	c	510	CLA	CMB-C2B	-2.45	1.46	1.51
13	G	1118	CLA	CMD-C2D	-2.45	1.45	1.50
13	Z	516	CLA	CMB-C2B	-2.45	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	1	516	CLA	CMB-C2B	-2.44	1.46	1.51
13	v	510	CLA	CMB-C2B	-2.44	1.46	1.51
13	G	1103	CLA	CMD-C2D	-2.44	1.45	1.50
13	q	519	CLA	CMC-C2C	-2.44	1.45	1.50
13	G	1137	CLA	C3B-C2B	-2.44	1.37	1.40
13	H	1240	CLA	CMD-C2D	-2.44	1.45	1.50
13	e	1101	CLA	C3B-C2B	-2.44	1.37	1.40
13	A	1118	CLA	CMD-C2D	-2.44	1.45	1.50
13	5	517	CLA	CMB-C2B	-2.44	1.46	1.51
13	H	1202	CLA	CMB-C2B	-2.44	1.46	1.51
13	B	1210	CLA	CMC-C2C	-2.44	1.45	1.50
13	H	1021	CLA	CMC-C2C	-2.44	1.45	1.50
13	e	1118	CLA	CMD-C2D	-2.44	1.45	1.50
13	2	516	CLA	CMB-C2B	-2.44	1.46	1.51
14	H	2002	PQN	C10-C5	-2.44	1.36	1.40
13	4	513	CLA	CMB-C2B	-2.44	1.46	1.51
13	5	507	CLA	CMB-C2B	-2.44	1.46	1.51
13	d	513	CLA	CMB-C2B	-2.44	1.46	1.51
13	u	519	CLA	CMB-C2B	-2.44	1.46	1.51
13	v	513	CLA	CMB-C2B	-2.44	1.46	1.51
13	A	1022	CLA	CMD-C2D	-2.44	1.45	1.50
13	f	1240	CLA	CMD-C2D	-2.44	1.45	1.50
13	u	516	CLA	CMB-C2B	-2.44	1.46	1.51
13	G	1013	CLA	CMC-C2C	-2.44	1.45	1.50
13	B	1214	CLA	C3B-C2B	-2.44	1.37	1.40
13	G	1022	CLA	CMD-C2D	-2.44	1.45	1.50
13	a	513	CLA	CMB-C2B	-2.44	1.46	1.51
13	4	519	CLA	C3B-C2B	-2.44	1.37	1.40
13	G	1022	CLA	MG-ND	-2.43	2.01	2.05
13	b	513	CLA	CMB-C2B	-2.43	1.46	1.51
13	H	1227	CLA	C3B-CAB	-2.43	1.43	1.47
13	5	501	CLA	CMB-C2B	-2.43	1.46	1.51
13	c	509	CLA	CMB-C2B	-2.43	1.46	1.51
13	f	1213	CLA	CMB-C2B	-2.43	1.46	1.51
13	d	509	CLA	CMB-C2B	-2.43	1.46	1.51
13	G	1011	CLA	CMD-C2D	-2.43	1.45	1.50
13	H	1214	CLA	C3B-C2B	-2.43	1.37	1.40
13	v	503	CLA	CMB-C2B	-2.43	1.46	1.51
13	6	503	CLA	CMB-C2B	-2.43	1.46	1.51
13	q	510	CLA	CMB-C2B	-2.43	1.46	1.51
13	5	519	CLA	CMB-C2B	-2.43	1.46	1.51
13	t	501	CLA	CMB-C2B	-2.43	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1107	CLA	C3B-C2B	-2.43	1.37	1.40
14	A	2001	PQN	C10-C5	-2.43	1.36	1.40
13	G	1123	CLA	CMB-C2B	-2.43	1.46	1.51
13	f	1210	CLA	CMC-C2C	-2.43	1.45	1.50
13	A	1116	CLA	CMB-C2B	-2.43	1.46	1.51
13	c	517	CLA	CMB-C2B	-2.43	1.46	1.51
13	r	510	CLA	CMB-C2B	-2.43	1.46	1.51
13	l	503	CLA	CMB-C2B	-2.43	1.46	1.51
13	H	1223	CLA	CMB-C2B	-2.43	1.46	1.51
13	q	516	CLA	CMB-C2B	-2.43	1.46	1.51
13	A	1013	CLA	CMC-C2C	-2.43	1.45	1.50
13	Z	510	CLA	CMB-C2B	-2.43	1.46	1.51
13	A	1107	CLA	C3B-C2B	-2.43	1.37	1.40
13	B	1220	CLA	CMC-C2C	-2.43	1.45	1.50
19	T	5104	LMG	O7-C8	-2.43	1.40	1.46
13	2	510	CLA	CMB-C2B	-2.42	1.46	1.51
13	q	503	CLA	CMB-C2B	-2.42	1.46	1.51
13	A	1124	CLA	CMD-C2D	-2.42	1.45	1.50
13	f	1223	CLA	CMC-C2C	-2.42	1.45	1.50
13	6	509	CLA	CMB-C2B	-2.42	1.46	1.51
13	e	1116	CLA	CMB-C2B	-2.42	1.46	1.51
13	G	1237	CLA	C3B-C2B	-2.42	1.37	1.40
13	B	1021	CLA	CMC-C2C	-2.42	1.45	1.50
13	d	507	CLA	CMB-C2B	-2.42	1.46	1.51
13	d	504	CLA	CMB-C2B	-2.42	1.46	1.51
13	b	517	CLA	CMB-C2B	-2.42	1.46	1.51
13	B	1202	CLA	CMB-C2B	-2.42	1.46	1.51
13	B	1223	CLA	CMB-C2B	-2.42	1.46	1.51
13	v	509	CLA	CMB-C2B	-2.42	1.46	1.51
13	c	501	CLA	CMB-C2B	-2.42	1.46	1.51
13	l	510	CLA	CMB-C2B	-2.42	1.46	1.51
13	q	505	CLA	CMB-C2B	-2.42	1.46	1.51
13	t	507	CLA	CMB-C2B	-2.41	1.46	1.51
14	G	2001	PQN	C10-C5	-2.41	1.36	1.40
17	n	5221	LHG	O7-C5	-2.41	1.40	1.46
13	l	518	CLA	C3B-C2B	-2.41	1.37	1.40
13	f	1021	CLA	CMC-C2C	-2.41	1.45	1.50
13	A	1127	CLA	CMB-C2B	-2.41	1.46	1.51
13	Y	510	CLA	CMB-C2B	-2.41	1.46	1.51
13	4	507	CLA	CMB-C2B	-2.41	1.46	1.51
13	f	1202	CLA	CMB-C2B	-2.41	1.46	1.51
13	f	1226	CLA	C4B-CHC	-2.41	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	e	1127	CLA	CMB-C2B	-2.41	1.46	1.51
13	A	1131	CLA	C3B-C2B	-2.41	1.37	1.40
13	e	1111	CLA	CMC-C2C	-2.41	1.45	1.50
13	b	519	CLA	C3B-C2B	-2.41	1.37	1.40
13	e	1237	CLA	C3B-C2B	-2.41	1.37	1.40
13	q	518	CLA	C3B-C2B	-2.41	1.37	1.40
13	e	1124	CLA	CMD-C2D	-2.41	1.45	1.50
13	H	1204	CLA	CMB-C2B	-2.41	1.46	1.51
13	f	1220	CLA	CMC-C2C	-2.41	1.45	1.50
13	G	1116	CLA	CMB-C2B	-2.41	1.46	1.51
13	t	510	CLA	CMB-C2B	-2.41	1.46	1.51
13	d	517	CLA	CMB-C2B	-2.41	1.46	1.51
13	l	519	CLA	CMC-C2C	-2.41	1.45	1.50
13	s	505	CLA	CMB-C2B	-2.41	1.46	1.51
13	t	517	CLA	CMB-C2B	-2.41	1.46	1.51
13	B	1223	CLA	CMC-C2C	-2.41	1.45	1.50
13	H	1205	CLA	CMC-C2C	-2.41	1.45	1.50
13	r	517	CLA	CMC-C2C	-2.41	1.45	1.50
13	A	1123	CLA	CMB-C2B	-2.40	1.46	1.51
13	B	1226	CLA	C4B-CHC	-2.40	1.34	1.41
13	c	519	CLA	CMB-C2B	-2.40	1.46	1.51
13	Y	519	CLA	C3B-C2B	-2.40	1.37	1.40
13	6	504	CLA	CMB-C2B	-2.40	1.46	1.51
13	f	1239	CLA	C3B-C2B	-2.40	1.37	1.40
13	f	1227	CLA	C3B-CAB	-2.40	1.43	1.47
13	G	1135	CLA	CMB-C2B	-2.40	1.46	1.51
13	H	1211	CLA	CMB-C2B	-2.40	1.46	1.51
13	B	1204	CLA	CMB-C2B	-2.40	1.46	1.51
13	6	519	CLA	CMB-C2B	-2.40	1.46	1.51
13	H	1223	CLA	CMC-C2C	-2.40	1.45	1.50
13	f	1223	CLA	CMB-C2B	-2.40	1.46	1.51
13	G	1127	CLA	CMB-C2B	-2.40	1.46	1.51
13	b	510	CLA	CMB-C2B	-2.40	1.46	1.51
13	f	1211	CLA	CMB-C2B	-2.40	1.46	1.51
13	A	1237	CLA	C3B-C2B	-2.40	1.37	1.40
13	4	517	CLA	CMB-C2B	-2.40	1.46	1.51
13	B	1205	CLA	CMC-C2C	-2.40	1.45	1.50
19	J	5104	LMG	O7-C8	-2.40	1.40	1.46
13	4	510	CLA	CMB-C2B	-2.39	1.46	1.51
13	G	1131	CLA	C3B-C2B	-2.39	1.37	1.40
13	A	1135	CLA	CMB-C2B	-2.39	1.46	1.51
13	e	1123	CLA	CMB-C2B	-2.39	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	4	504	CLA	CMB-C2B	-2.39	1.46	1.51
13	3	516	CLA	CMB-C2B	-2.39	1.46	1.51
13	B	1227	CLA	C3B-CAB	-2.39	1.43	1.47
13	H	1226	CLA	C4B-CHC	-2.39	1.34	1.41
13	B	1230	CLA	CMC-C2C	-2.39	1.45	1.50
13	Z	517	CLA	CMC-C2C	-2.39	1.45	1.50
13	G	1022	CLA	C3B-CAB	-2.39	1.43	1.47
13	6	516	CLA	CMB-C2B	-2.39	1.46	1.51
13	b	507	CLA	CMB-C2B	-2.39	1.46	1.51
13	d	516	CLA	CMB-C2B	-2.39	1.46	1.51
13	e	1107	CLA	C3B-C2B	-2.39	1.37	1.40
13	A	1111	CLA	CMC-C2C	-2.39	1.45	1.50
13	H	1231	CLA	CMB-C2B	-2.39	1.46	1.51
13	d	501	CLA	CMB-C2B	-2.39	1.46	1.51
13	e	1135	CLA	CMB-C2B	-2.39	1.46	1.51
13	G	1135	CLA	MG-ND	-2.39	2.01	2.05
13	B	1211	CLA	CMB-C2B	-2.39	1.46	1.51
13	6	501	CLA	CMB-C2B	-2.39	1.46	1.51
13	e	1131	CLA	C3B-C2B	-2.39	1.37	1.40
13	b	504	CLA	CMB-C2B	-2.38	1.46	1.51
13	B	1239	CLA	C3B-C2B	-2.38	1.37	1.40
13	3	510	CLA	CMB-C2B	-2.38	1.46	1.51
13	f	1204	CLA	CMB-C2B	-2.38	1.46	1.51
13	d	519	CLA	CMB-C2B	-2.38	1.46	1.51
13	v	516	CLA	CMB-C2B	-2.38	1.46	1.51
13	H	1230	CLA	CMC-C2C	-2.38	1.45	1.50
13	a	505	CLA	CMB-C2B	-2.38	1.46	1.51
13	l	505	CLA	CMB-C2B	-2.38	1.46	1.51
13	v	504	CLA	CMB-C2B	-2.38	1.46	1.51
13	Y	505	CLA	CMB-C2B	-2.38	1.46	1.51
13	a	510	CLA	CMB-C2B	-2.38	1.46	1.51
13	4	503	CLA	CMB-C2B	-2.38	1.46	1.51
13	f	1205	CLA	CMC-C2C	-2.38	1.45	1.50
13	v	501	CLA	CMB-C2B	-2.38	1.46	1.51
13	v	519	CLA	CMB-C2B	-2.38	1.46	1.51
13	G	1111	CLA	CMC-C2C	-2.38	1.45	1.50
19	l	5104	LMG	O7-C8	-2.38	1.40	1.46
13	s	516	CLA	CMB-C2B	-2.38	1.46	1.51
13	c	519	CLA	C3B-C2B	-2.38	1.37	1.40
13	G	1101	CLA	CMD-C2D	-2.38	1.45	1.50
17	G	5005	LHG	O7-C5	-2.38	1.40	1.46
13	B	1231	CLA	CMB-C2B	-2.38	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	t	504	CLA	CMB-C2B	-2.38	1.46	1.51
13	A	1101	CLA	CMD-C2D	-2.37	1.45	1.50
13	f	1214	CLA	C3B-C2B	-2.37	1.37	1.40
13	2	517	CLA	CMC-C2C	-2.37	1.45	1.50
13	Y	518	CLA	C3B-C2B	-2.37	1.37	1.40
13	Y	519	CLA	CMC-C2C	-2.37	1.45	1.50
13	6	517	CLA	CMB-C2B	-2.37	1.46	1.51
13	f	1230	CLA	CMC-C2C	-2.37	1.45	1.50
17	A	5005	LHG	O7-C5	-2.37	1.40	1.46
13	3	505	CLA	CMB-C2B	-2.37	1.46	1.51
13	s	510	CLA	CMB-C2B	-2.37	1.46	1.51
13	b	503	CLA	CMB-C2B	-2.37	1.46	1.51
13	a	516	CLA	CMB-C2B	-2.37	1.46	1.51
13	t	503	CLA	CMB-C2B	-2.36	1.46	1.51
13	q	519	CLA	C3B-C2B	-2.36	1.37	1.40
13	G	1128	CLA	CMD-C2D	-2.36	1.45	1.50
13	b	516	CLA	CMB-C2B	-2.36	1.46	1.51
13	A	1135	CLA	MG-ND	-2.36	2.01	2.05
13	e	1135	CLA	MG-ND	-2.36	2.01	2.05
13	e	1022	CLA	C3B-CAB	-2.36	1.43	1.47
13	q	506	CLA	CMB-C2B	-2.36	1.46	1.51
13	e	1128	CLA	CMD-C2D	-2.36	1.45	1.50
13	r	503	CLA	CMB-C2B	-2.36	1.46	1.51
13	A	1022	CLA	C3B-CAB	-2.36	1.43	1.47
13	b	519	CLA	CMC-C2C	-2.36	1.45	1.50
13	G	1129	CLA	MG-ND	-2.36	2.01	2.05
13	2	503	CLA	CMB-C2B	-2.36	1.46	1.51
13	u	519	CLA	C3B-C2B	-2.36	1.37	1.40
13	d	505	CLA	CMD-C2D	-2.36	1.45	1.50
13	f	1234	CLA	CMD-C2D	-2.35	1.45	1.50
17	e	5005	LHG	O7-C5	-2.35	1.40	1.46
13	G	1101	CLA	CMC-C2C	-2.35	1.45	1.50
13	Z	503	CLA	CMB-C2B	-2.35	1.46	1.51
13	B	1229	CLA	CMB-C2B	-2.35	1.46	1.51
13	H	1239	CLA	C3B-C2B	-2.35	1.37	1.40
13	1	519	CLA	C3B-C2B	-2.35	1.37	1.40
13	f	1229	CLA	CMB-C2B	-2.35	1.46	1.51
13	5	519	CLA	C3B-C2B	-2.35	1.37	1.40
13	r	505	CLA	CMB-C2B	-2.35	1.46	1.51
13	e	1109	CLA	CMC-C2C	-2.35	1.45	1.50
13	Z	505	CLA	CMB-C2B	-2.35	1.46	1.51
14	H	2002	PQN	C11-C3	2.35	1.55	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1234	CLA	CMD-C2D	-2.35	1.45	1.50
13	H	1229	CLA	CMB-C2B	-2.35	1.46	1.51
13	4	516	CLA	CMB-C2B	-2.35	1.46	1.51
13	G	1022	CLA	CMC-C2C	-2.35	1.45	1.50
13	H	1234	CLA	CMD-C2D	-2.35	1.45	1.50
13	b	505	CLA	CMB-C2B	-2.34	1.46	1.51
13	A	1101	CLA	CMC-C2C	-2.34	1.45	1.50
13	e	1022	CLA	CMC-C2C	-2.34	1.45	1.50
13	v	505	CLA	CMD-C2D	-2.34	1.45	1.50
13	f	1226	CLA	CHC-C1C	2.34	1.41	1.35
14	B	2002	PQN	C11-C3	2.34	1.55	1.51
13	B	1226	CLA	CHC-C1C	2.34	1.41	1.35
13	e	1132	CLA	C3B-C2B	-2.34	1.37	1.40
13	e	1101	CLA	CMD-C2D	-2.34	1.45	1.50
13	A	1128	CLA	CMD-C2D	-2.34	1.45	1.50
13	H	1226	CLA	CHC-C1C	2.34	1.41	1.35
13	6	505	CLA	CMD-C2D	-2.34	1.45	1.50
13	A	1022	CLA	CMC-C2C	-2.34	1.45	1.50
13	G	1112	CLA	C3B-CAB	-2.34	1.43	1.47
13	V	1503	CLA	CMD-C2D	-2.34	1.45	1.50
13	f	1224	CLA	CMD-C2D	-2.34	1.45	1.50
13	4	505	CLA	CMB-C2B	-2.34	1.46	1.51
14	f	2002	PQN	C11-C3	2.34	1.55	1.51
13	a	501	CLA	CMB-C2B	-2.34	1.46	1.51
13	f	1231	CLA	CMB-C2B	-2.34	1.46	1.51
13	v	517	CLA	CMB-C2B	-2.34	1.46	1.51
13	A	1109	CLA	CMC-C2C	-2.34	1.45	1.50
13	b	508	CLA	C3B-C2B	-2.34	1.37	1.40
13	L	1503	CLA	CMD-C2D	-2.34	1.45	1.50
13	G	1123	CLA	CMD-C2D	-2.34	1.45	1.50
13	3	501	CLA	CMB-C2B	-2.34	1.46	1.51
13	b	519	CLA	C3B-CAB	-2.34	1.43	1.47
13	H	1023	CLA	CMD-C2D	-2.33	1.45	1.50
13	e	1101	CLA	CMC-C2C	-2.33	1.45	1.50
13	s	501	CLA	CMB-C2B	-2.33	1.46	1.51
13	H	1223	CLA	CMD-C2D	-2.33	1.45	1.50
13	2	505	CLA	CMB-C2B	-2.33	1.46	1.51
13	U	1103	CLA	C3B-C2B	-2.33	1.37	1.40
13	d	505	CLA	CMB-C2B	-2.33	1.46	1.51
13	A	1127	CLA	CMD-C2D	-2.33	1.45	1.50
13	G	1109	CLA	CMC-C2C	-2.33	1.45	1.50
20	f	1852	SQD	O2-C2	-2.33	1.37	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1127	CLA	CMD-C2D	-2.33	1.45	1.50
13	5	505	CLA	CMB-C2B	-2.33	1.46	1.51
13	n	1503	CLA	CMD-C2D	-2.33	1.45	1.50
13	A	1128	CLA	MG-ND	-2.33	2.01	2.05
13	t	505	CLA	CMB-C2B	-2.33	1.46	1.51
13	v	505	CLA	CMB-C2B	-2.33	1.46	1.51
13	A	1112	CLA	C3B-CAB	-2.32	1.43	1.47
13	1	506	CLA	CMB-C2B	-2.32	1.46	1.51
13	4	519	CLA	CMC-C2C	-2.32	1.45	1.50
13	H	1230	CLA	CMD-C2D	-2.32	1.45	1.50
13	B	1223	CLA	CMD-C2D	-2.32	1.45	1.50
13	f	1223	CLA	CMD-C2D	-2.32	1.45	1.50
13	q	502	CLA	CMD-C2D	-2.32	1.45	1.50
13	e	1128	CLA	MG-ND	-2.32	2.01	2.05
13	e	1129	CLA	MG-ND	-2.32	2.01	2.05
13	A	1129	CLA	MG-ND	-2.32	2.01	2.05
13	6	505	CLA	CMB-C2B	-2.32	1.46	1.51
13	u	505	CLA	CMB-C2B	-2.32	1.46	1.51
13	B	1224	CLA	CMD-C2D	-2.32	1.45	1.50
13	q	518	CLA	CMD-C2D	-2.32	1.45	1.50
13	l	502	CLA	CMD-C2D	-2.32	1.45	1.50
13	m	1105	CLA	CMD-C2D	-2.32	1.45	1.50
13	e	1107	CLA	C3B-CAB	-2.32	1.43	1.47
13	Y	506	CLA	CMB-C2B	-2.32	1.46	1.51
13	4	519	CLA	C3B-CAB	-2.32	1.43	1.47
13	e	1127	CLA	CMD-C2D	-2.32	1.45	1.50
13	t	519	CLA	CMC-C2C	-2.31	1.45	1.50
13	t	516	CLA	CMB-C2B	-2.31	1.46	1.51
13	f	1023	CLA	CMD-C2D	-2.31	1.45	1.50
13	A	1123	CLA	CMD-C2D	-2.31	1.45	1.50
13	G	1801	CLA	CAA-C2A	-2.31	1.49	1.54
20	B	1852	SQD	O2-C2	-2.31	1.37	1.43
13	G	1129	CLA	C3B-C2B	-2.31	1.37	1.40
13	G	1107	CLA	C3B-CAB	-2.31	1.43	1.47
13	A	1801	CLA	CAA-C2A	-2.31	1.49	1.54
13	B	1207	CLA	CMD-C2D	-2.31	1.45	1.50
13	t	519	CLA	C3B-CAB	-2.31	1.43	1.47
13	K	1105	CLA	CMD-C2D	-2.31	1.45	1.50
13	Y	518	CLA	CMD-C2D	-2.31	1.45	1.50
13	G	1128	CLA	MG-ND	-2.30	2.01	2.05
13	A	1132	CLA	C3B-C2B	-2.30	1.37	1.40
13	r	512	CLA	CMD-C2D	-2.30	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1023	CLA	CMD-C2D	-2.30	1.45	1.50
13	B	1230	CLA	CMD-C2D	-2.30	1.45	1.50
13	1	518	CLA	CMD-C2D	-2.30	1.45	1.50
13	H	1207	CLA	CMD-C2D	-2.30	1.45	1.50
13	u	505	CLA	CMD-C2D	-2.30	1.45	1.50
13	A	1107	CLA	C3B-CAB	-2.30	1.43	1.47
20	H	1852	SQD	O2-C2	-2.30	1.37	1.43
13	c	505	CLA	CMB-C2B	-2.30	1.46	1.51
17	e	5002	LHG	P-O6	2.30	1.68	1.59
13	f	1230	CLA	CMD-C2D	-2.30	1.45	1.50
13	2	512	CLA	CMD-C2D	-2.30	1.45	1.50
13	5	505	CLA	CMD-C2D	-2.29	1.45	1.50
13	e	1112	CLA	C3B-CAB	-2.29	1.43	1.47
13	B	1211	CLA	CMD-C2D	-2.29	1.45	1.50
13	H	1224	CLA	CMC-C2C	-2.29	1.45	1.50
13	f	1012	CLA	CMC-C2C	-2.29	1.45	1.50
13	H	1224	CLA	CMD-C2D	-2.29	1.45	1.50
17	e	5008	LHG	O7-C5	-2.29	1.40	1.46
13	4	508	CLA	C3B-C2B	-2.29	1.37	1.40
13	t	511	CLA	CMD-C2D	-2.29	1.45	1.50
13	f	1211	CLA	CMD-C2D	-2.29	1.45	1.50
13	H	1201	CLA	CMD-C2D	-2.29	1.45	1.50
13	H	1211	CLA	CMD-C2D	-2.29	1.45	1.50
13	f	1207	CLA	CMD-C2D	-2.29	1.46	1.50
13	e	1140	CLA	CMC-C2C	-2.29	1.46	1.50
13	Y	502	CLA	CMD-C2D	-2.29	1.46	1.50
13	f	1212	CLA	CMD-C2D	-2.28	1.46	1.50
13	f	1224	CLA	CMC-C2C	-2.28	1.46	1.50
13	Z	512	CLA	CMD-C2D	-2.28	1.46	1.50
13	K	1103	CLA	C3B-C2B	-2.28	1.37	1.40
13	e	1123	CLA	CMD-C2D	-2.28	1.46	1.50
13	U	1105	CLA	CMD-C2D	-2.28	1.46	1.50
13	c	505	CLA	CMD-C2D	-2.28	1.46	1.50
13	B	1224	CLA	CMC-C2C	-2.28	1.46	1.50
13	B	1012	CLA	CMC-C2C	-2.28	1.46	1.50
13	4	511	CLA	CMD-C2D	-2.28	1.46	1.50
13	3	502	CLA	CMD-C2D	-2.28	1.46	1.50
13	G	1140	CLA	CMC-C2C	-2.28	1.46	1.50
13	H	1212	CLA	CMD-C2D	-2.28	1.46	1.50
13	H	1236	CLA	C3B-C2B	-2.28	1.37	1.40
17	A	5002	LHG	P-O6	2.28	1.68	1.59
13	s	502	CLA	CMD-C2D	-2.28	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1119	CLA	C3B-C2B	-2.28	1.37	1.40
13	G	1132	CLA	C3B-C2B	-2.28	1.37	1.40
13	e	1112	CLA	C3B-C2B	-2.28	1.37	1.40
13	A	1110	CLA	CMD-C2D	-2.28	1.46	1.50
17	G	5002	LHG	P-O6	2.27	1.68	1.59
13	A	1112	CLA	C3B-C2B	-2.27	1.37	1.40
13	G	1112	CLA	C3B-C2B	-2.27	1.37	1.40
13	A	1140	CLA	CMC-C2C	-2.27	1.46	1.50
13	m	1103	CLA	C3B-C2B	-2.27	1.37	1.40
13	G	1122	CLA	CMC-C2C	-2.27	1.46	1.50
13	G	1237	CLA	CMD-C2D	-2.27	1.46	1.50
13	r	501	CLA	CMD-C2D	-2.27	1.46	1.50
13	e	1122	CLA	CMC-C2C	-2.27	1.46	1.50
13	A	1129	CLA	C3B-C2B	-2.27	1.37	1.40
13	A	1117	CLA	C3B-C2B	-2.27	1.37	1.40
13	A	1122	CLA	CMC-C2C	-2.27	1.46	1.50
13	B	1236	CLA	C3B-C2B	-2.27	1.37	1.40
13	G	1125	CLA	CMC-C2C	-2.27	1.46	1.50
13	a	502	CLA	CMD-C2D	-2.27	1.46	1.50
20	a	822	SQD	O2-C2	-2.27	1.37	1.43
17	A	5008	LHG	O7-C5	-2.27	1.40	1.46
17	A	5009	LHG	O7-C5	-2.27	1.40	1.46
13	f	1216	CLA	C3B-CAB	-2.27	1.43	1.47
13	t	508	CLA	C3B-C2B	-2.27	1.37	1.40
13	q	512	CLA	CMD-C2D	-2.27	1.46	1.50
13	r	508	CLA	CMC-C2C	-2.27	1.46	1.50
13	B	1238	CLA	CMD-C2D	-2.27	1.46	1.50
13	B	1214	CLA	C3B-CAB	-2.27	1.43	1.47
17	G	5009	LHG	O7-C5	-2.27	1.40	1.46
13	b	511	CLA	CMD-C2D	-2.27	1.46	1.50
13	e	1801	CLA	CAA-C2A	-2.26	1.49	1.54
13	A	1136	CLA	C3B-C2B	-2.26	1.37	1.40
13	H	1216	CLA	C3B-CAB	-2.26	1.43	1.47
13	T	1303	CLA	CMD-C2D	-2.26	1.46	1.50
13	f	1214	CLA	C3B-CAB	-2.26	1.43	1.47
13	A	1126	CLA	CMD-C2D	-2.26	1.46	1.50
13	B	1212	CLA	CMD-C2D	-2.26	1.46	1.50
17	e	5009	LHG	O7-C5	-2.26	1.40	1.46
13	e	1110	CLA	CMD-C2D	-2.26	1.46	1.50
13	e	1129	CLA	C3B-C2B	-2.26	1.37	1.40
13	B	1201	CLA	CMD-C2D	-2.26	1.46	1.50
13	A	1237	CLA	CMD-C2D	-2.26	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	f	1209	CLA	CMD-C2D	-2.26	1.46	1.50
13	H	1012	CLA	CMC-C2C	-2.26	1.46	1.50
13	e	1237	CLA	CMD-C2D	-2.26	1.46	1.50
13	1	512	CLA	CMD-C2D	-2.26	1.46	1.50
13	B	1216	CLA	C3B-CAB	-2.26	1.43	1.47
13	H	1214	CLA	C3B-CAB	-2.26	1.43	1.47
13	G	1126	CLA	CMD-C2D	-2.25	1.46	1.50
13	H	1210	CLA	CMD-C2D	-2.25	1.46	1.50
13	H	1216	CLA	CMC-C2C	-2.25	1.46	1.50
20	3	822	SQD	O2-C2	-2.25	1.37	1.43
13	f	1235	CLA	CMC-C2C	-2.25	1.46	1.50
13	B	1231	CLA	CMD-C2D	-2.25	1.46	1.50
13	e	1113	CLA	CMD-C2D	-2.25	1.46	1.50
13	e	1131	CLA	CMC-C2C	-2.25	1.46	1.50
13	A	1125	CLA	CMC-C2C	-2.25	1.46	1.50
13	Y	512	CLA	CMD-C2D	-2.25	1.46	1.50
13	f	1236	CLA	C3B-C2B	-2.25	1.37	1.40
17	G	5007	LHG	O7-C5	-2.25	1.41	1.46
13	H	1213	CLA	CMD-C2D	-2.25	1.46	1.50
13	f	1023	CLA	CMB-C2B	-2.25	1.47	1.51
16	H	4010	BCR	C17-C18	-2.25	1.32	1.35
13	e	1126	CLA	CMD-C2D	-2.25	1.46	1.50
13	H	1231	CLA	CMD-C2D	-2.25	1.46	1.50
13	f	1216	CLA	CMC-C2C	-2.25	1.46	1.50
13	2	501	CLA	CMD-C2D	-2.24	1.46	1.50
13	G	1110	CLA	CMD-C2D	-2.24	1.46	1.50
13	f	1238	CLA	CMD-C2D	-2.24	1.46	1.50
13	A	1106	CLA	CMD-C2D	-2.24	1.46	1.50
13	B	1023	CLA	CMB-C2B	-2.24	1.47	1.51
20	s	822	SQD	O2-C2	-2.24	1.37	1.43
13	A	1119	CLA	C3B-C2B	-2.24	1.37	1.40
13	e	1114	CLA	C3B-C2B	-2.24	1.37	1.40
13	A	1131	CLA	CMC-C2C	-2.24	1.46	1.50
13	2	508	CLA	CMC-C2C	-2.24	1.46	1.50
13	m	1103	CLA	CMC-C2C	-2.24	1.46	1.50
13	u	502	CLA	C3B-C2B	-2.24	1.37	1.40
20	2	822	SQD	O2-C2	-2.24	1.37	1.43
13	e	1106	CLA	CMD-C2D	-2.24	1.46	1.50
13	H	1225	CLA	CMC-C2C	-2.24	1.46	1.50
13	H	1235	CLA	CMC-C2C	-2.24	1.46	1.50
13	B	1209	CLA	CMD-C2D	-2.24	1.46	1.50
17	G	5008	LHG	O7-C5	-2.24	1.41	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	e	1801	CLA	CMC-C2C	-2.24	1.46	1.50
13	G	1117	CLA	C3B-C2B	-2.24	1.37	1.40
13	B	1235	CLA	CMC-C2C	-2.24	1.46	1.50
13	G	1131	CLA	CMC-C2C	-2.24	1.46	1.50
13	G	1801	CLA	CMC-C2C	-2.24	1.46	1.50
13	e	1106	CLA	MG-ND	-2.23	2.01	2.05
20	r	822	SQD	O2-C2	-2.23	1.37	1.43
13	e	1131	CLA	CMD-C2D	-2.23	1.46	1.50
20	Z	822	SQD	O2-C2	-2.23	1.37	1.43
16	B	4010	BCR	C17-C18	-2.23	1.32	1.35
13	q	518	CLA	CMC-C2C	-2.23	1.46	1.50
13	B	1213	CLA	CMD-C2D	-2.23	1.46	1.50
13	e	1122	CLA	CMD-C2D	-2.23	1.46	1.50
13	H	1023	CLA	MG-ND	-2.23	2.01	2.05
13	l	518	CLA	CMC-C2C	-2.23	1.46	1.50
13	Z	501	CLA	CMD-C2D	-2.23	1.46	1.50
13	Z	507	CLA	CMD-C2D	-2.23	1.46	1.50
13	f	1213	CLA	CMD-C2D	-2.23	1.46	1.50
13	e	1138	CLA	CMD-C2D	-2.23	1.46	1.50
13	A	1106	CLA	MG-ND	-2.23	2.01	2.05
13	A	1801	CLA	CMC-C2C	-2.23	1.46	1.50
13	G	1136	CLA	C3B-C2B	-2.23	1.37	1.40
13	f	1231	CLA	CMD-C2D	-2.23	1.46	1.50
13	e	1125	CLA	CMC-C2C	-2.23	1.46	1.50
13	e	1119	CLA	C3B-C2B	-2.23	1.37	1.40
13	r	506	CLA	CMC-C2C	-2.23	1.46	1.50
13	G	1122	CLA	CMD-C2D	-2.23	1.46	1.50
13	H	1012	CLA	CMD-C2D	-2.23	1.46	1.50
13	e	1110	CLA	CMC-C2C	-2.23	1.46	1.50
13	e	1117	CLA	C3B-C2B	-2.23	1.37	1.40
13	e	1116	CLA	CMD-C2D	-2.23	1.46	1.50
13	H	1238	CLA	CMD-C2D	-2.22	1.46	1.50
13	Y	508	CLA	CMC-C2C	-2.22	1.46	1.50
13	r	501	CLA	CMC-C2C	-2.22	1.46	1.50
13	G	1138	CLA	CMD-C2D	-2.22	1.46	1.50
13	A	1113	CLA	CMD-C2D	-2.22	1.46	1.50
13	A	1122	CLA	CMD-C2D	-2.22	1.46	1.50
17	A	5007	LHG	O7-C5	-2.22	1.41	1.46
13	B	1210	CLA	CMD-C2D	-2.22	1.46	1.50
13	H	1209	CLA	CMD-C2D	-2.22	1.46	1.50
13	f	1225	CLA	CMC-C2C	-2.22	1.46	1.50
13	B	1023	CLA	MG-ND	-2.22	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	j	1302	CLA	CMD-C2D	-2.22	1.46	1.50
13	G	1106	CLA	CMD-C2D	-2.22	1.46	1.50
13	G	1128	CLA	CMC-C2C	-2.22	1.46	1.50
13	l	1303	CLA	CMD-C2D	-2.22	1.46	1.50
13	A	1114	CLA	C3B-C2B	-2.22	1.37	1.40
17	V	5218	LHG	O7-C5	-2.22	1.41	1.46
13	2	507	CLA	CMD-C2D	-2.22	1.46	1.50
13	2	513	CLA	CMC-C2C	-2.22	1.46	1.50
13	G	1113	CLA	CMD-C2D	-2.22	1.46	1.50
13	B	1216	CLA	CMC-C2C	-2.22	1.46	1.50
13	J	1303	CLA	CMD-C2D	-2.22	1.46	1.50
13	f	1210	CLA	CMD-C2D	-2.22	1.46	1.50
13	e	1136	CLA	C3B-C2B	-2.22	1.37	1.40
13	Z	502	CLA	CMD-C2D	-2.22	1.46	1.50
13	e	1125	CLA	CMD-C2D	-2.22	1.46	1.50
13	A	1112	CLA	CMC-C2C	-2.22	1.46	1.50
13	e	1112	CLA	CMC-C2C	-2.22	1.46	1.50
13	Y	519	CLA	MG-ND	-2.22	2.01	2.05
13	G	1129	CLA	CMC-C2C	-2.22	1.46	1.50
13	f	1201	CLA	CMD-C2D	-2.22	1.46	1.50
13	f	1012	CLA	CMD-C2D	-2.22	1.46	1.50
17	n	5218	LHG	O7-C5	-2.21	1.41	1.46
13	r	513	CLA	CMC-C2C	-2.21	1.46	1.50
13	A	1128	CLA	CMC-C2C	-2.21	1.46	1.50
13	B	1225	CLA	CMC-C2C	-2.21	1.46	1.50
13	e	1128	CLA	CMC-C2C	-2.21	1.46	1.50
13	e	1139	CLA	MG-ND	-2.21	2.01	2.05
13	U	1103	CLA	CMC-C2C	-2.21	1.46	1.50
13	Y	518	CLA	CMC-C2C	-2.21	1.46	1.50
17	L	5218	LHG	O7-C5	-2.21	1.41	1.46
13	A	1138	CLA	CMD-C2D	-2.21	1.46	1.50
13	G	1140	CLA	CMD-C2D	-2.21	1.46	1.50
13	t	503	CLA	CMD-C2D	-2.21	1.46	1.50
13	r	507	CLA	CMD-C2D	-2.21	1.46	1.50
13	H	1023	CLA	CMB-C2B	-2.21	1.47	1.51
13	F	1302	CLA	CMD-C2D	-2.21	1.46	1.50
13	V	1502	CLA	CMD-C2D	-2.21	1.46	1.50
13	B	1012	CLA	CMD-C2D	-2.21	1.46	1.50
13	l	508	CLA	CMC-C2C	-2.21	1.46	1.50
13	2	506	CLA	CMC-C2C	-2.21	1.46	1.50
13	Z	508	CLA	CMC-C2C	-2.21	1.46	1.50
13	Z	513	CLA	CMC-C2C	-2.21	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	q	508	CLA	CMC-C2C	-2.21	1.46	1.50
13	2	502	CLA	CMD-C2D	-2.21	1.46	1.50
13	e	1104	CLA	CMD-C2D	-2.21	1.46	1.50
20	t	822	SQD	O2-C2	-2.21	1.37	1.43
13	B	1235	CLA	CMD-C2D	-2.21	1.46	1.50
16	f	4010	BCR	C17-C18	-2.21	1.32	1.35
13	G	1106	CLA	MG-ND	-2.20	2.01	2.05
13	G	1112	CLA	CMC-C2C	-2.20	1.46	1.50
13	R	1302	CLA	CMD-C2D	-2.20	1.46	1.50
13	f	1228	CLA	CMD-C2D	-2.20	1.46	1.50
13	e	1119	CLA	CMD-C2D	-2.20	1.46	1.50
13	r	502	CLA	CMD-C2D	-2.20	1.46	1.50
13	2	501	CLA	CMC-C2C	-2.20	1.46	1.50
17	e	5007	LHG	O7-C5	-2.20	1.41	1.46
13	G	1106	CLA	CMC-C2C	-2.20	1.46	1.50
13	B	1228	CLA	CMD-C2D	-2.20	1.46	1.50
13	Z	506	CLA	CMC-C2C	-2.20	1.46	1.50
13	A	1116	CLA	CMD-C2D	-2.20	1.46	1.50
13	K	1103	CLA	CMC-C2C	-2.20	1.46	1.50
13	e	1136	CLA	CMD-C2D	-2.20	1.46	1.50
13	U	1103	CLA	CMD-C2D	-2.20	1.46	1.50
13	A	1119	CLA	CMC-C2C	-2.20	1.46	1.50
13	5	502	CLA	C3B-C2B	-2.20	1.37	1.40
13	1	519	CLA	MG-ND	-2.20	2.01	2.05
13	G	1119	CLA	CMD-C2D	-2.20	1.46	1.50
13	A	1135	CLA	C3B-CAB	-2.20	1.43	1.47
13	A	1125	CLA	CMD-C2D	-2.20	1.46	1.50
13	1	501	CLA	CMD-C2D	-2.20	1.46	1.50
14	G	2001	PQN	C10-C1	-2.20	1.44	1.48
13	A	1139	CLA	MG-ND	-2.20	2.01	2.05
13	B	1206	CLA	CMD-C2D	-2.20	1.46	1.50
13	e	1137	CLA	CMC-C2C	-2.20	1.46	1.50
13	A	1134	CLA	C3B-C2B	-2.20	1.37	1.40
13	a	512	CLA	CMD-C2D	-2.20	1.46	1.50
13	A	1113	CLA	CMC-C2C	-2.20	1.46	1.50
13	f	1023	CLA	MG-ND	-2.20	2.01	2.05
13	H	1231	CLA	CMC-C2C	-2.19	1.46	1.50
13	q	501	CLA	CMD-C2D	-2.19	1.46	1.50
13	H	1202	CLA	CMC-C2C	-2.19	1.46	1.50
13	u	518	CLA	CMD-C2D	-2.19	1.46	1.50
13	c	518	CLA	CMD-C2D	-2.19	1.46	1.50
13	3	512	CLA	CMD-C2D	-2.19	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	H	1206	CLA	CMD-C2D	-2.19	1.46	1.50
13	H	1235	CLA	CMD-C2D	-2.19	1.46	1.50
13	e	1140	CLA	CMD-C2D	-2.19	1.46	1.50
13	f	1234	CLA	CMC-C2C	-2.19	1.46	1.50
13	G	1131	CLA	CMD-C2D	-2.19	1.46	1.50
13	A	1110	CLA	CMC-C2C	-2.19	1.46	1.50
13	G	1132	CLA	CMD-C2D	-2.19	1.46	1.50
13	A	1119	CLA	CMD-C2D	-2.19	1.46	1.50
13	A	1132	CLA	CMD-C2D	-2.19	1.46	1.50
13	f	1207	CLA	CMC-C2C	-2.19	1.46	1.50
13	G	1125	CLA	CMD-C2D	-2.19	1.46	1.50
13	Y	501	CLA	CMD-C2D	-2.19	1.46	1.50
13	e	1136	CLA	CMC-C2C	-2.19	1.46	1.50
13	4	505	CLA	CMD-C2D	-2.19	1.46	1.50
13	c	502	CLA	C3B-C2B	-2.19	1.37	1.40
13	G	1135	CLA	C3B-CAB	-2.19	1.43	1.47
13	G	1114	CLA	C3B-C2B	-2.19	1.37	1.40
13	e	1134	CLA	C3B-C2B	-2.19	1.37	1.40
13	A	1131	CLA	CMD-C2D	-2.19	1.46	1.50
13	A	1140	CLA	CMD-C2D	-2.19	1.46	1.50
13	Z	501	CLA	CMC-C2C	-2.19	1.46	1.50
20	5	822	SQD	O2-C2	-2.19	1.37	1.43
13	H	1219	CLA	C3B-C2B	-2.19	1.37	1.40
13	B	1234	CLA	CMC-C2C	-2.19	1.46	1.50
13	L	1502	CLA	CMD-C2D	-2.19	1.46	1.50
13	3	504	CLA	CMD-C2D	-2.19	1.46	1.50
13	e	1113	CLA	CMC-C2C	-2.19	1.46	1.50
13	G	1134	CLA	CMD-C2D	-2.18	1.46	1.50
13	f	1206	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1137	CLA	CMC-C2C	-2.18	1.46	1.50
13	q	519	CLA	MG-ND	-2.18	2.01	2.05
13	A	1136	CLA	CMC-C2C	-2.18	1.46	1.50
13	Z	503	CLA	CMD-C2D	-2.18	1.46	1.50
13	a	504	CLA	CMD-C2D	-2.18	1.46	1.50
13	G	1137	CLA	CMC-C2C	-2.18	1.46	1.50
13	B	1216	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1104	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1134	CLA	CMD-C2D	-2.18	1.46	1.50
13	B	1213	CLA	CMC-C2C	-2.18	1.46	1.50
13	e	1106	CLA	CMC-C2C	-2.18	1.46	1.50
13	4	503	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1106	CLA	CMC-C2C	-2.18	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	2	503	CLA	CMD-C2D	-2.18	1.46	1.50
13	5	518	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1133	CLA	CMD-C2D	-2.18	1.46	1.50
13	H	1216	CLA	CMD-C2D	-2.18	1.46	1.50
13	s	504	CLA	CMD-C2D	-2.18	1.46	1.50
13	G	1104	CLA	CMD-C2D	-2.18	1.46	1.50
13	j	1301	CLA	CMD-C2D	-2.18	1.46	1.50
20	V	5216	SQD	O2-C2	-2.18	1.37	1.43
13	A	1104	CLA	CMC-C2C	-2.18	1.46	1.50
13	H	1203	CLA	CMC-C2C	-2.18	1.46	1.50
13	H	1228	CLA	CMD-C2D	-2.18	1.46	1.50
13	f	1211	CLA	CMC-C2C	-2.18	1.46	1.50
20	u	822	SQD	O2-C2	-2.18	1.37	1.43
13	b	505	CLA	CMD-C2D	-2.18	1.46	1.50
13	e	1132	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1129	CLA	CMC-C2C	-2.18	1.46	1.50
13	3	506	CLA	CMC-C2C	-2.18	1.46	1.50
13	G	1116	CLA	CMD-C2D	-2.18	1.46	1.50
13	A	1116	CLA	CMC-C2C	-2.18	1.46	1.50
13	e	1133	CLA	CMD-C2D	-2.18	1.46	1.50
13	G	1116	CLA	CMC-C2C	-2.18	1.46	1.50
13	G	1132	CLA	CMC-C2C	-2.18	1.46	1.50
13	e	1129	CLA	CMC-C2C	-2.18	1.46	1.50
13	q	504	CLA	CMD-C2D	-2.18	1.46	1.50
13	T	1302	CLA	CMD-C2D	-2.17	1.46	1.50
13	t	518	CLA	CMD-C2D	-2.17	1.46	1.50
13	f	1213	CLA	CMC-C2C	-2.17	1.46	1.50
13	B	1209	CLA	CMC-C2C	-2.17	1.46	1.50
13	1	504	CLA	CMD-C2D	-2.17	1.46	1.50
13	B	1202	CLA	CMD-C2D	-2.17	1.46	1.50
13	Y	503	CLA	CMD-C2D	-2.17	1.46	1.50
13	K	1103	CLA	CMD-C2D	-2.17	1.46	1.50
13	H	1207	CLA	CMC-C2C	-2.17	1.46	1.50
13	r	503	CLA	CMD-C2D	-2.17	1.46	1.50
20	1	822	SQD	O2-C2	-2.17	1.37	1.43
13	B	1231	CLA	CMC-C2C	-2.17	1.46	1.50
13	b	503	CLA	CMD-C2D	-2.17	1.46	1.50
13	5	519	CLA	C3B-CAB	-2.17	1.43	1.47
13	n	1502	CLA	CMD-C2D	-2.17	1.46	1.50
13	f	1209	CLA	CMC-C2C	-2.17	1.46	1.50
20	Y	822	SQD	O2-C2	-2.17	1.37	1.43
13	4	508	CLA	CMC-C2C	-2.17	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	6	502	CLA	CMD-C2D	-2.17	1.46	1.50
13	H	1201	CLA	CMC-C2C	-2.17	1.46	1.50
13	e	1104	CLA	CMC-C2C	-2.17	1.46	1.50
13	f	1202	CLA	CMC-C2C	-2.17	1.46	1.50
13	G	1134	CLA	C3B-C2B	-2.17	1.37	1.40
13	G	1132	CLA	C3B-CAB	-2.17	1.43	1.47
13	f	1202	CLA	CMD-C2D	-2.17	1.46	1.50
20	4	822	SQD	O2-C2	-2.17	1.37	1.43
13	f	1219	CLA	C3B-C2B	-2.16	1.37	1.40
13	e	1135	CLA	C3B-CAB	-2.16	1.43	1.47
13	H	1206	CLA	CMC-C2C	-2.16	1.46	1.50
13	d	502	CLA	CMD-C2D	-2.16	1.46	1.50
20	L	5216	SQD	O2-C2	-2.16	1.37	1.43
13	A	1136	CLA	CMD-C2D	-2.16	1.46	1.50
13	f	1203	CLA	CMD-C2D	-2.16	1.46	1.50
13	l	503	CLA	CMD-C2D	-2.16	1.46	1.50
13	G	1104	CLA	CMC-C2C	-2.16	1.46	1.50
13	G	1108	CLA	CMD-C2D	-2.16	1.46	1.50
13	e	1116	CLA	CMC-C2C	-2.16	1.46	1.50
13	G	1139	CLA	MG-ND	-2.16	2.01	2.05
20	n	5216	SQD	O2-C2	-2.16	1.37	1.43
13	G	1136	CLA	CMC-C2C	-2.16	1.46	1.50
13	H	1209	CLA	CMC-C2C	-2.16	1.46	1.50
13	Y	504	CLA	CMD-C2D	-2.16	1.46	1.50
13	f	1206	CLA	CMC-C2C	-2.16	1.46	1.50
13	c	519	CLA	C3B-CAB	-2.16	1.43	1.47
20	d	822	SQD	O4-C4	-2.16	1.37	1.43
13	B	1201	CLA	CMC-C2C	-2.16	1.46	1.50
13	u	519	CLA	C3B-CAB	-2.16	1.43	1.47
13	H	1211	CLA	CMC-C2C	-2.16	1.46	1.50
13	e	1119	CLA	CMC-C2C	-2.16	1.46	1.50
13	u	511	CLA	CMD-C2D	-2.16	1.46	1.50
13	A	1111	CLA	CMD-C2D	-2.16	1.46	1.50
13	u	507	CLA	CMD-C2D	-2.16	1.46	1.50
13	e	1132	CLA	C3B-CAB	-2.16	1.43	1.47
13	A	1122	CLA	C3B-C2B	-2.16	1.37	1.40
13	G	1122	CLA	C3B-C2B	-2.16	1.37	1.40
13	G	1119	CLA	CMC-C2C	-2.16	1.46	1.50
13	H	1202	CLA	CMD-C2D	-2.16	1.46	1.50
13	Z	519	CLA	C3B-CAB	-2.16	1.43	1.47
13	4	518	CLA	CMD-C2D	-2.16	1.46	1.50
13	4	519	CLA	CMD-C2D	-2.16	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1138	CLA	CMC-C2C	-2.16	1.46	1.50
13	Y	517	CLA	CMD-C2D	-2.16	1.46	1.50
13	f	1203	CLA	CMC-C2C	-2.16	1.46	1.50
13	r	509	CLA	CMC-C2C	-2.16	1.46	1.50
20	b	822	SQD	O2-C2	-2.16	1.37	1.43
13	B	1207	CLA	CMC-C2C	-2.16	1.46	1.50
13	l	517	CLA	CMD-C2D	-2.16	1.46	1.50
13	G	1133	CLA	CMD-C2D	-2.16	1.46	1.50
13	Y	518	CLA	C3B-CAB	-2.16	1.43	1.47
13	e	1111	CLA	CMD-C2D	-2.16	1.46	1.50
13	s	512	CLA	CMD-C2D	-2.16	1.46	1.50
13	t	508	CLA	CMD-C2D	-2.16	1.46	1.50
13	B	1203	CLA	CMD-C2D	-2.15	1.46	1.50
13	e	1122	CLA	C3B-C2B	-2.15	1.37	1.40
13	G	1107	CLA	MG-ND	-2.15	2.01	2.05
17	f	1855	LHG	P-O6	2.15	1.68	1.59
13	m	1401	CLA	CMC-C2C	-2.15	1.46	1.50
20	6	822	SQD	O4-C4	-2.15	1.37	1.43
20	d	822	SQD	O2-C2	-2.15	1.37	1.43
20	q	822	SQD	O2-C2	-2.15	1.37	1.43
17	n	5218	LHG	P-O6	2.15	1.68	1.59
13	2	508	CLA	C3B-C2B	-2.15	1.37	1.40
14	A	2001	PQN	C10-C1	-2.15	1.44	1.48
13	v	502	CLA	CMD-C2D	-2.15	1.46	1.50
13	B	1211	CLA	CMC-C2C	-2.15	1.46	1.50
13	l	508	CLA	CMD-C2D	-2.15	1.46	1.50
13	3	503	CLA	CMD-C2D	-2.15	1.46	1.50
13	m	1103	CLA	CMD-C2D	-2.15	1.46	1.50
13	t	508	CLA	CMC-C2C	-2.15	1.46	1.50
13	U	1105	CLA	C3C-C2C	2.15	1.41	1.36
13	A	1132	CLA	C3B-CAB	-2.15	1.43	1.47
13	b	519	CLA	CMD-C2D	-2.15	1.46	1.50
13	B	1202	CLA	CMC-C2C	-2.15	1.46	1.50
13	f	1239	CLA	CMD-C2D	-2.15	1.46	1.50
13	t	519	CLA	CMD-C2D	-2.15	1.46	1.50
13	R	1301	CLA	CMD-C2D	-2.15	1.46	1.50
13	f	1208	CLA	CMD-C2D	-2.15	1.46	1.50
13	f	1235	CLA	CMD-C2D	-2.15	1.46	1.50
13	G	1110	CLA	CMC-C2C	-2.15	1.46	1.50
20	c	822	SQD	O2-C2	-2.15	1.37	1.43
17	V	5218	LHG	P-O6	2.15	1.68	1.59
13	5	507	CLA	CMD-C2D	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1113	CLA	CMC-C2C	-2.15	1.46	1.50
13	f	1205	CLA	MG-ND	-2.15	2.01	2.05
13	B	1219	CLA	C3B-C2B	-2.15	1.37	1.40
13	H	1203	CLA	CMD-C2D	-2.15	1.46	1.50
20	a	822	SQD	O3-C3	-2.15	1.37	1.43
13	A	1108	CLA	CMD-C2D	-2.15	1.46	1.50
13	V	1502	CLA	CMC-C2C	-2.15	1.46	1.50
13	T	1302	CLA	C3B-C2B	-2.15	1.37	1.40
13	B	1239	CLA	CMD-C2D	-2.15	1.46	1.50
13	s	506	CLA	CMC-C2C	-2.15	1.46	1.50
13	v	518	CLA	CMD-C2D	-2.15	1.46	1.50
13	U	1105	CLA	C3B-C2B	-2.15	1.37	1.40
13	a	506	CLA	CMC-C2C	-2.15	1.46	1.50
20	6	822	SQD	O2-C2	-2.15	1.37	1.43
17	L	5218	LHG	P-O6	2.15	1.68	1.59
17	B	1855	LHG	P-O6	2.15	1.68	1.59
13	H	1234	CLA	CMC-C2C	-2.15	1.46	1.50
13	t	505	CLA	CMD-C2D	-2.15	1.46	1.50
13	Z	508	CLA	C3B-C2B	-2.15	1.37	1.40
20	b	822	SQD	O3-C3	-2.15	1.37	1.43
13	J	1302	CLA	CMD-C2D	-2.15	1.46	1.50
13	H	1239	CLA	CMD-C2D	-2.15	1.46	1.50
17	H	1855	LHG	P-O6	2.15	1.68	1.59
13	A	1138	CLA	CMC-C2C	-2.15	1.46	1.50
13	F	1301	CLA	CMD-C2D	-2.14	1.46	1.50
13	G	1105	CLA	CMC-C2C	-2.14	1.46	1.50
13	e	1134	CLA	CMD-C2D	-2.14	1.46	1.50
13	f	1201	CLA	CMC-C2C	-2.14	1.46	1.50
13	2	519	CLA	C3B-CAB	-2.14	1.43	1.47
13	2	504	CLA	CMD-C2D	-2.14	1.46	1.50
13	a	503	CLA	CMD-C2D	-2.14	1.46	1.50
13	H	1213	CLA	CMC-C2C	-2.14	1.46	1.50
13	f	1216	CLA	CMD-C2D	-2.14	1.46	1.50
13	B	1208	CLA	CMD-C2D	-2.14	1.46	1.50
14	A	2001	PQN	C5-C4	-2.14	1.44	1.48
13	G	1136	CLA	CMD-C2D	-2.14	1.46	1.50
13	s	503	CLA	CMD-C2D	-2.14	1.46	1.50
16	H	4010	BCR	C21-C22	-2.14	1.32	1.35
13	B	1203	CLA	CMC-C2C	-2.14	1.46	1.50
13	B	1206	CLA	CMC-C2C	-2.14	1.46	1.50
13	r	504	CLA	CMD-C2D	-2.14	1.46	1.50
13	f	1231	CLA	CMC-C2C	-2.14	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	v	822	SQD	O2-C2	-2.14	1.37	1.43
13	V	1501	CLA	CMC-C2C	-2.14	1.46	1.50
13	f	1218	CLA	CMD-C2D	-2.14	1.46	1.50
13	A	1107	CLA	MG-ND	-2.14	2.01	2.05
20	4	822	SQD	O3-C3	-2.14	1.37	1.43
13	e	1107	CLA	MG-ND	-2.14	2.01	2.05
13	Z	518	CLA	CMD-C2D	-2.14	1.46	1.50
13	e	1108	CLA	CMD-C2D	-2.14	1.46	1.50
13	e	1138	CLA	CMC-C2C	-2.14	1.46	1.50
13	2	509	CLA	CMC-C2C	-2.14	1.46	1.50
13	2	517	CLA	CMD-C2D	-2.14	1.46	1.50
13	L	1502	CLA	CMC-C2C	-2.14	1.46	1.50
13	f	1222	CLA	CMC-C2C	-2.14	1.46	1.50
13	r	519	CLA	CMC-C2C	-2.14	1.46	1.50
20	b	822	SQD	O4-C4	-2.14	1.37	1.43
20	t	822	SQD	O3-C3	-2.14	1.37	1.43
13	2	518	CLA	CMD-C2D	-2.14	1.46	1.50
13	b	508	CLA	CMD-C2D	-2.14	1.46	1.50
13	b	518	CLA	CMD-C2D	-2.14	1.46	1.50
13	e	1120	CLA	CMD-C2D	-2.14	1.46	1.50
13	G	1117	CLA	CMD-C2D	-2.14	1.46	1.50
13	Z	517	CLA	CMD-C2D	-2.14	1.46	1.50
13	A	1132	CLA	CMC-C2C	-2.14	1.46	1.50
13	4	508	CLA	CMD-C2D	-2.14	1.46	1.50
13	q	503	CLA	CMD-C2D	-2.14	1.46	1.50
20	3	822	SQD	O3-C3	-2.14	1.37	1.43
20	v	822	SQD	O4-C4	-2.14	1.37	1.43
16	B	4010	BCR	C21-C22	-2.14	1.33	1.35
13	a	518	CLA	CMD-C2D	-2.13	1.46	1.50
13	v	509	CLA	CMD-C2D	-2.13	1.46	1.50
14	e	2001	PQN	C10-C1	-2.13	1.44	1.48
13	B	1205	CLA	C3B-C2B	-2.13	1.37	1.40
20	s	822	SQD	O3-C3	-2.13	1.38	1.43
13	a	508	CLA	CMD-C2D	-2.13	1.46	1.50
13	d	509	CLA	CMD-C2D	-2.13	1.46	1.50
13	q	507	CLA	CMD-C2D	-2.13	1.46	1.50
13	Z	504	CLA	CMD-C2D	-2.13	1.46	1.50
13	b	502	CLA	CMD-C2D	-2.13	1.46	1.50
13	q	517	CLA	CMD-C2D	-2.13	1.46	1.50
13	v	512	CLA	CMD-C2D	-2.13	1.46	1.50
13	G	1111	CLA	CMD-C2D	-2.13	1.46	1.50
13	f	1208	CLA	C3B-C2B	-2.13	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	b	508	CLA	CMC-C2C	-2.13	1.46	1.50
13	e	1130	CLA	CMC-C2C	-2.13	1.46	1.50
13	r	519	CLA	C3B-C2B	-2.13	1.37	1.40
13	r	519	CLA	C3B-CAB	-2.13	1.43	1.47
13	G	1128	CLA	C4B-CHC	-2.13	1.35	1.41
13	3	508	CLA	CMD-C2D	-2.13	1.46	1.50
14	e	2001	PQN	C5-C4	-2.13	1.44	1.48
13	e	1132	CLA	CMC-C2C	-2.13	1.46	1.50
13	r	517	CLA	CMD-C2D	-2.13	1.46	1.50
20	B	1852	SQD	O4-C4	-2.13	1.38	1.43
13	B	1204	CLA	MG-ND	-2.13	2.01	2.05
13	f	1206	CLA	C4B-CHC	-2.13	1.35	1.41
13	m	1105	CLA	C3C-C2C	2.13	1.41	1.36
13	q	508	CLA	CMD-C2D	-2.13	1.46	1.50
13	3	509	CLA	CMD-C2D	-2.13	1.46	1.50
13	d	512	CLA	CMD-C2D	-2.13	1.46	1.50
13	e	1130	CLA	CMD-C2D	-2.13	1.46	1.50
17	V	5221	LHG	P-O6	2.13	1.67	1.59
13	Y	508	CLA	CMD-C2D	-2.13	1.46	1.50
13	a	502	CLA	C3B-C2B	-2.13	1.37	1.40
13	c	507	CLA	CMD-C2D	-2.13	1.46	1.50
13	A	1105	CLA	CMC-C2C	-2.13	1.46	1.50
13	m	1105	CLA	C3B-C2B	-2.13	1.37	1.40
13	3	518	CLA	CMD-C2D	-2.13	1.46	1.50
13	a	509	CLA	CMD-C2D	-2.13	1.46	1.50
13	e	1237	CLA	CMC-C2C	-2.13	1.46	1.50
13	s	508	CLA	CMC-C2C	-2.13	1.46	1.50
13	A	1130	CLA	CMC-C2C	-2.12	1.46	1.50
13	5	511	CLA	CMD-C2D	-2.12	1.46	1.50
13	G	1102	CLA	CMC-C2C	-2.12	1.46	1.50
13	f	1230	CLA	C3B-CAB	-2.12	1.43	1.47
13	t	512	CLA	CMD-C2D	-2.12	1.46	1.50
13	G	1013	CLA	MG-ND	-2.12	2.01	2.05
13	H	1218	CLA	CMD-C2D	-2.12	1.46	1.50
13	f	1203	CLA	MG-ND	-2.12	2.01	2.05
13	B	1218	CLA	CMD-C2D	-2.12	1.46	1.50
13	e	1131	CLA	C3B-CAB	-2.12	1.43	1.47
13	4	512	CLA	CMD-C2D	-2.12	1.46	1.50
20	f	1852	SQD	O4-C4	-2.12	1.38	1.43
13	6	518	CLA	CMD-C2D	-2.12	1.46	1.50
13	e	1105	CLA	CMC-C2C	-2.12	1.46	1.50
13	s	509	CLA	CMD-C2D	-2.12	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	K	1105	CLA	C3C-C2C	2.12	1.41	1.36
13	B	1222	CLA	CMC-C2C	-2.12	1.46	1.50
13	A	1013	CLA	MG-ND	-2.12	2.01	2.05
13	B	1205	CLA	MG-ND	-2.12	2.01	2.05
16	f	4010	BCR	C21-C22	-2.12	1.33	1.35
13	G	1115	CLA	CMD-C2D	-2.12	1.46	1.50
13	H	1228	CLA	CMC-C2C	-2.12	1.46	1.50
13	e	1117	CLA	CMD-C2D	-2.12	1.46	1.50
13	l	518	CLA	C3B-CAB	-2.12	1.43	1.47
13	G	1130	CLA	CMC-C2C	-2.12	1.46	1.50
13	e	1128	CLA	C4B-CHC	-2.12	1.35	1.41
13	B	1225	CLA	MG-ND	-2.12	2.01	2.05
13	A	1128	CLA	C4B-CHC	-2.12	1.35	1.41
13	n	1502	CLA	CMC-C2C	-2.12	1.46	1.50
13	s	508	CLA	CMD-C2D	-2.12	1.46	1.50
13	f	1225	CLA	MG-ND	-2.12	2.01	2.05
13	l	507	CLA	CMD-C2D	-2.12	1.46	1.50
13	B	1208	CLA	C3B-C2B	-2.12	1.37	1.40
13	a	510	CLA	CMD-C2D	-2.12	1.46	1.50
13	H	1205	CLA	C3B-C2B	-2.12	1.37	1.40
13	e	1013	CLA	MG-ND	-2.12	2.01	2.05
13	A	1237	CLA	CMC-C2C	-2.12	1.46	1.50
13	H	1222	CLA	CMC-C2C	-2.11	1.46	1.50
13	d	518	CLA	CMD-C2D	-2.11	1.46	1.50
13	G	1112	CLA	CMD-C2D	-2.11	1.46	1.50
13	e	1112	CLA	CMD-C2D	-2.11	1.46	1.50
13	t	502	CLA	CMD-C2D	-2.11	1.46	1.50
13	B	1203	CLA	MG-ND	-2.11	2.01	2.05
17	n	5221	LHG	P-O6	2.11	1.67	1.59
13	3	511	CLA	CMD-C2D	-2.11	1.46	1.50
13	Z	509	CLA	CMC-C2C	-2.11	1.46	1.50
13	q	519	CLA	CMD-C2D	-2.11	1.46	1.50
20	d	822	SQD	O3-C3	-2.11	1.38	1.43
13	A	1117	CLA	CMD-C2D	-2.11	1.46	1.50
13	H	1203	CLA	MG-ND	-2.11	2.01	2.05
20	4	822	SQD	O4-C4	-2.11	1.38	1.43
13	K	1401	CLA	CMC-C2C	-2.11	1.46	1.50
13	B	1230	CLA	C3B-CAB	-2.11	1.43	1.47
13	B	1206	CLA	C4B-CHC	-2.11	1.35	1.41
13	6	509	CLA	CMD-C2D	-2.11	1.46	1.50
13	A	1131	CLA	C3B-CAB	-2.11	1.43	1.47
13	2	519	CLA	CMC-C2C	-2.11	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	r	518	CLA	CMD-C2D	-2.11	1.46	1.50
20	H	1852	SQD	O4-C4	-2.11	1.38	1.43
17	L	5221	LHG	P-O6	2.11	1.67	1.59
13	5	501	CLA	CMC-C2C	-2.11	1.46	1.50
13	Z	519	CLA	CMC-C2C	-2.11	1.46	1.50
13	a	508	CLA	CMC-C2C	-2.11	1.46	1.50
13	H	1229	CLA	CMD-C2D	-2.11	1.46	1.50
13	l	1302	CLA	CMD-C2D	-2.11	1.46	1.50
20	t	822	SQD	O4-C4	-2.11	1.38	1.43
13	A	1115	CLA	CMD-C2D	-2.11	1.46	1.50
13	B	1228	CLA	CMC-C2C	-2.11	1.46	1.50
20	u	822	SQD	O4-C4	-2.11	1.38	1.43
13	Z	509	CLA	CMD-C2D	-2.11	1.46	1.50
13	u	502	CLA	CMD-C2D	-2.11	1.46	1.50
13	H	1230	CLA	C3B-CAB	-2.11	1.43	1.47
13	A	1114	CLA	CMD-C2D	-2.11	1.46	1.50
13	H	1208	CLA	CMD-C2D	-2.11	1.46	1.50
13	e	1102	CLA	CMC-C2C	-2.11	1.46	1.50
20	6	822	SQD	O3-C3	-2.11	1.38	1.43
13	G	1114	CLA	CMD-C2D	-2.11	1.46	1.50
13	B	1227	CLA	CMD-C2D	-2.11	1.46	1.50
13	H	1208	CLA	C3B-C2B	-2.11	1.37	1.40
13	l	1302	CLA	C3B-C2B	-2.11	1.37	1.40
13	f	1228	CLA	CMC-C2C	-2.10	1.46	1.50
13	H	1204	CLA	MG-ND	-2.10	2.01	2.05
13	3	508	CLA	CMC-C2C	-2.10	1.46	1.50
13	a	507	CLA	CMD-C2D	-2.10	1.46	1.50
13	s	518	CLA	CMD-C2D	-2.10	1.46	1.50
20	v	822	SQD	O3-C3	-2.10	1.38	1.43
13	A	1112	CLA	CMD-C2D	-2.10	1.46	1.50
13	b	512	CLA	CMD-C2D	-2.10	1.46	1.50
13	c	501	CLA	CMC-C2C	-2.10	1.46	1.50
13	e	1115	CLA	CMD-C2D	-2.10	1.46	1.50
13	A	1102	CLA	CMC-C2C	-2.10	1.46	1.50
13	4	502	CLA	CMD-C2D	-2.10	1.46	1.50
13	B	1217	CLA	MG-ND	-2.10	2.01	2.05
13	K	1105	CLA	C3B-C2B	-2.10	1.37	1.40
13	2	519	CLA	C3B-C2B	-2.10	1.37	1.40
13	A	1120	CLA	CMD-C2D	-2.10	1.46	1.50
13	G	1237	CLA	CMC-C2C	-2.10	1.46	1.50
13	e	1114	CLA	CMD-C2D	-2.10	1.46	1.50
16	G	4008	BCR	C10-C9	-2.10	1.33	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Y	507	CLA	CMD-C2D	-2.10	1.46	1.50
13	u	512	CLA	CMD-C2D	-2.10	1.46	1.50
13	c	511	CLA	CMD-C2D	-2.10	1.46	1.50
13	2	513	CLA	C3B-C2B	-2.10	1.37	1.40
13	s	502	CLA	C3B-C2B	-2.10	1.37	1.40
13	2	508	CLA	CMD-C2D	-2.10	1.46	1.50
13	u	508	CLA	CMD-C2D	-2.10	1.46	1.50
13	2	509	CLA	CMD-C2D	-2.10	1.46	1.50
13	H	1207	CLA	C3B-CAB	-2.10	1.43	1.47
13	5	508	CLA	CMC-C2C	-2.10	1.46	1.50
13	f	1227	CLA	CMC-C2C	-2.10	1.46	1.50
13	H	1220	CLA	C3B-C2B	-2.10	1.37	1.40
13	6	512	CLA	CMD-C2D	-2.10	1.46	1.50
13	H	1204	CLA	CMC-C2C	-2.10	1.46	1.50
13	c	512	CLA	CMD-C2D	-2.10	1.46	1.50
13	u	501	CLA	CMC-C2C	-2.10	1.46	1.50
13	H	1226	CLA	C3B-C2B	-2.10	1.37	1.40
13	e	1119	CLA	MG-ND	-2.10	2.01	2.05
13	A	1130	CLA	CMD-C2D	-2.10	1.46	1.50
13	q	516	CLA	CMD-C2D	-2.10	1.46	1.50
13	H	1222	CLA	CMD-C2D	-2.10	1.46	1.50
13	5	508	CLA	CMD-C2D	-2.10	1.46	1.50
13	e	1121	CLA	CMC-C2C	-2.10	1.46	1.50
13	J	1302	CLA	C3B-C2B	-2.10	1.37	1.40
13	H	1205	CLA	MG-ND	-2.10	2.01	2.05
13	3	502	CLA	C3B-C2B	-2.10	1.37	1.40
13	f	1205	CLA	C3B-C2B	-2.10	1.37	1.40
13	r	508	CLA	C3B-C2B	-2.10	1.37	1.40
13	L	1501	CLA	CMC-C2C	-2.10	1.46	1.50
13	G	1131	CLA	C3B-CAB	-2.10	1.43	1.47
13	6	508	CLA	CMD-C2D	-2.10	1.46	1.50
13	H	1227	CLA	CMC-C2C	-2.10	1.46	1.50
13	c	502	CLA	CMD-C2D	-2.09	1.46	1.50
13	t	507	CLA	CMD-C2D	-2.09	1.46	1.50
13	s	510	CLA	CMD-C2D	-2.09	1.46	1.50
13	u	508	CLA	CMC-C2C	-2.09	1.46	1.50
13	J	1303	CLA	CMC-C2C	-2.09	1.46	1.50
13	Y	519	CLA	CMD-C2D	-2.09	1.46	1.50
13	H	1225	CLA	MG-ND	-2.09	2.01	2.05
13	B	1204	CLA	CMC-C2C	-2.09	1.46	1.50
13	5	502	CLA	CMD-C2D	-2.09	1.46	1.50
13	3	507	CLA	CMD-C2D	-2.09	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1140	CLA	C3B-C2B	-2.09	1.37	1.40
13	B	1206	CLA	MG-ND	-2.09	2.01	2.05
13	u	519	CLA	CMC-C2C	-2.09	1.46	1.50
13	v	508	CLA	CMC-C2C	-2.09	1.46	1.50
13	f	1229	CLA	CMD-C2D	-2.09	1.46	1.50
13	r	508	CLA	CMD-C2D	-2.09	1.46	1.50
13	s	501	CLA	CMC-C2C	-2.09	1.46	1.50
13	r	502	CLA	C3B-CAB	-2.09	1.43	1.47
13	U	1401	CLA	CMC-C2C	-2.09	1.46	1.50
13	H	1206	CLA	MG-ND	-2.09	2.01	2.05
13	B	1226	CLA	C3B-C2B	-2.09	1.37	1.40
13	B	1227	CLA	CMC-C2C	-2.09	1.46	1.50
13	1	519	CLA	CMD-C2D	-2.09	1.46	1.50
13	3	517	CLA	CMD-C2D	-2.09	1.46	1.50
13	f	1204	CLA	CMD-C2D	-2.09	1.46	1.50
13	Z	519	CLA	C3B-C2B	-2.09	1.37	1.40
13	n	1501	CLA	CMC-C2C	-2.09	1.46	1.50
14	G	2001	PQN	C5-C4	-2.09	1.44	1.48
13	B	1204	CLA	CMD-C2D	-2.09	1.46	1.50
13	v	508	CLA	CMD-C2D	-2.09	1.46	1.50
13	L	1503	CLA	CMC-C2C	-2.09	1.46	1.50
13	f	1221	CLA	CMC-C2C	-2.09	1.46	1.50
20	V	5216	SQD	O4-C4	-2.09	1.38	1.43
13	B	1229	CLA	CMD-C2D	-2.09	1.46	1.50
13	3	510	CLA	CMD-C2D	-2.09	1.46	1.50
13	H	1227	CLA	CMD-C2D	-2.09	1.46	1.50
13	d	508	CLA	CMD-C2D	-2.09	1.46	1.50
13	f	1215	CLA	CMD-C2D	-2.09	1.46	1.50
13	f	1204	CLA	MG-ND	-2.09	2.01	2.05
13	n	1503	CLA	CMC-C2C	-2.09	1.46	1.50
13	G	1121	CLA	CMC-C2C	-2.09	1.46	1.50
13	K	1401	CLA	CMD-C2D	-2.08	1.46	1.50
13	V	1501	CLA	CMD-C2D	-2.08	1.46	1.50
13	c	508	CLA	CMC-C2C	-2.08	1.46	1.50
13	f	1204	CLA	CMC-C2C	-2.08	1.46	1.50
20	L	5216	SQD	O4-C4	-2.08	1.38	1.43
20	5	822	SQD	O4-C4	-2.08	1.38	1.43
20	a	822	SQD	O4-C4	-2.08	1.38	1.43
13	B	1209	CLA	C3B-C2B	-2.08	1.37	1.40
13	f	1221	CLA	MG-ND	-2.08	2.01	2.05
16	e	4008	BCR	C10-C9	-2.08	1.33	1.35
13	c	509	CLA	CMD-C2D	-2.08	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	B	1222	CLA	CMD-C2D	-2.08	1.46	1.50
20	n	5216	SQD	O4-C4	-2.08	1.38	1.43
13	5	512	CLA	CMD-C2D	-2.08	1.46	1.50
13	f	1236	CLA	CMD-C2D	-2.08	1.46	1.50
13	A	1119	CLA	MG-ND	-2.08	2.01	2.05
13	2	511	CLA	CMD-C2D	-2.08	1.46	1.50
13	T	1303	CLA	CMC-C2C	-2.08	1.46	1.50
13	f	1227	CLA	CMD-C2D	-2.08	1.46	1.50
13	c	508	CLA	CMD-C2D	-2.08	1.46	1.50
13	c	517	CLA	CMD-C2D	-2.08	1.46	1.50
13	s	511	CLA	CMD-C2D	-2.08	1.46	1.50
13	B	1207	CLA	C3B-CAB	-2.08	1.43	1.47
13	A	1121	CLA	CMC-C2C	-2.08	1.46	1.50
13	5	519	CLA	CMC-C2C	-2.08	1.46	1.50
13	c	519	CLA	CMC-C2C	-2.08	1.46	1.50
13	f	1217	CLA	MG-ND	-2.08	2.01	2.05
13	a	511	CLA	CMD-C2D	-2.08	1.46	1.50
13	f	1232	CLA	CMC-C2C	-2.08	1.46	1.50
20	s	822	SQD	O4-C4	-2.08	1.38	1.43
13	f	1206	CLA	MG-ND	-2.08	2.01	2.05
13	V	1503	CLA	CMC-C2C	-2.08	1.46	1.50
13	H	1206	CLA	C4B-CHC	-2.08	1.35	1.41
13	c	509	CLA	CMC-C2C	-2.08	1.46	1.50
13	f	1209	CLA	C3B-C2B	-2.08	1.37	1.40
13	f	1214	CLA	CMD-C2D	-2.08	1.46	1.50
13	L	1501	CLA	CMD-C2D	-2.08	1.46	1.50
13	r	513	CLA	C3B-C2B	-2.08	1.37	1.40
13	H	1204	CLA	CMD-C2D	-2.08	1.46	1.50
13	f	1226	CLA	CMC-C2C	-2.08	1.46	1.50
13	r	509	CLA	CMD-C2D	-2.08	1.46	1.50
20	1	822	SQD	O3-C3	-2.08	1.38	1.43
13	f	1207	CLA	C3B-CAB	-2.08	1.43	1.47
13	q	518	CLA	C3B-CAB	-2.08	1.43	1.47
13	U	1401	CLA	CMD-C2D	-2.08	1.46	1.50
13	Z	508	CLA	CMD-C2D	-2.08	1.46	1.50
13	Z	516	CLA	CMD-C2D	-2.08	1.46	1.50
13	G	1120	CLA	CMD-C2D	-2.08	1.46	1.50
13	l	1303	CLA	CMC-C2C	-2.08	1.46	1.50
13	q	509	CLA	CMD-C2D	-2.08	1.46	1.50
13	B	1221	CLA	CMC-C2C	-2.07	1.46	1.50
13	5	509	CLA	CMD-C2D	-2.07	1.46	1.50
13	a	519	CLA	CMC-C2C	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	1117	CLA	MG-ND	-2.07	2.01	2.05
13	3	517	CLA	CMC-C2C	-2.07	1.46	1.50
13	G	1107	CLA	CMC-C2C	-2.07	1.46	1.50
13	B	1236	CLA	CMD-C2D	-2.07	1.46	1.50
20	q	822	SQD	O3-C3	-2.07	1.38	1.43
13	G	1119	CLA	MG-ND	-2.07	2.01	2.05
20	Y	822	SQD	O3-C3	-2.07	1.38	1.43
13	A	1107	CLA	CMC-C2C	-2.07	1.46	1.50
13	4	507	CLA	CMD-C2D	-2.07	1.46	1.50
13	6	511	CLA	CMD-C2D	-2.07	1.46	1.50
13	G	1130	CLA	CMD-C2D	-2.07	1.46	1.50
13	s	507	CLA	CMD-C2D	-2.07	1.46	1.50
13	s	517	CLA	CMC-C2C	-2.07	1.46	1.50
13	v	511	CLA	CMD-C2D	-2.07	1.46	1.50
13	v	519	CLA	CMC-C2C	-2.07	1.46	1.50
20	r	822	SQD	O3-C3	-2.07	1.38	1.43
20	Z	822	SQD	O4-C4	-2.07	1.38	1.43
13	a	517	CLA	CMD-C2D	-2.07	1.46	1.50
20	2	822	SQD	O4-C4	-2.07	1.38	1.43
13	3	501	CLA	CMC-C2C	-2.07	1.46	1.50
13	H	1217	CLA	MG-ND	-2.07	2.01	2.05
13	e	1132	CLA	MG-ND	-2.07	2.01	2.05
13	2	510	CLA	CMD-C2D	-2.07	1.46	1.50
13	H	1209	CLA	C3B-C2B	-2.07	1.37	1.40
13	B	1214	CLA	CMD-C2D	-2.07	1.46	1.50
13	B	1226	CLA	CMC-C2C	-2.07	1.46	1.50
13	B	1232	CLA	CMD-C2D	-2.07	1.46	1.50
13	f	1216	CLA	MG-ND	-2.07	2.01	2.05
13	6	507	CLA	CMD-C2D	-2.07	1.46	1.50
13	2	502	CLA	C3B-CAB	-2.07	1.43	1.47
13	H	1221	CLA	CMC-C2C	-2.07	1.46	1.50
13	m	1401	CLA	CMD-C2D	-2.07	1.46	1.50
13	q	504	CLA	CMC-C2C	-2.07	1.46	1.50
13	H	1232	CLA	CMD-C2D	-2.07	1.46	1.50
13	f	1222	CLA	CMD-C2D	-2.07	1.46	1.50
20	q	822	SQD	O4-C4	-2.07	1.38	1.43
13	R	1302	CLA	C3B-C2B	-2.07	1.37	1.40
13	A	1117	CLA	MG-ND	-2.07	2.01	2.05
13	s	519	CLA	CMC-C2C	-2.07	1.46	1.50
13	u	517	CLA	CMD-C2D	-2.07	1.46	1.50
13	3	519	CLA	CMC-C2C	-2.07	1.46	1.50
13	a	517	CLA	CMC-C2C	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	c	516	CLA	CMD-C2D	-2.07	1.46	1.50
13	a	512	CLA	MG-ND	-2.07	2.01	2.05
13	u	513	CLA	C3B-C2B	-2.07	1.37	1.40
13	f	1012	CLA	MG-ND	-2.07	2.01	2.05
13	5	509	CLA	CMC-C2C	-2.07	1.46	1.50
13	H	1214	CLA	CMD-C2D	-2.07	1.46	1.50
13	H	1220	CLA	CMD-C2D	-2.07	1.46	1.50
13	f	1229	CLA	CMC-C2C	-2.07	1.46	1.50
13	F	1301	CLA	C3B-C2B	-2.07	1.37	1.40
20	3	822	SQD	O4-C4	-2.07	1.38	1.43
13	a	518	CLA	CMC-C2C	-2.07	1.46	1.50
13	Z	513	CLA	C3B-C2B	-2.06	1.37	1.40
13	c	513	CLA	CMD-C2D	-2.06	1.46	1.50
13	d	511	CLA	CMD-C2D	-2.06	1.46	1.50
13	f	1220	CLA	CMD-C2D	-2.06	1.46	1.50
13	s	506	CLA	CMD-C2D	-2.06	1.46	1.50
13	B	1012	CLA	MG-ND	-2.06	2.01	2.05
13	f	1225	CLA	C3B-CAB	-2.06	1.43	1.47
13	l	509	CLA	CMD-C2D	-2.06	1.46	1.50
13	s	519	CLA	CMD-C2D	-2.06	1.46	1.50
13	Y	511	CLA	CMD-C2D	-2.06	1.46	1.50
13	f	1232	CLA	CMD-C2D	-2.06	1.46	1.50
13	u	513	CLA	CMD-C2D	-2.06	1.46	1.50
13	G	1109	CLA	CMD-C2D	-2.06	1.46	1.50
13	e	1105	CLA	CMD-C2D	-2.06	1.46	1.50
13	5	517	CLA	CMD-C2D	-2.06	1.46	1.50
13	A	1108	CLA	CMC-C2C	-2.06	1.46	1.50
13	l	511	CLA	CMD-C2D	-2.06	1.46	1.50
20	r	822	SQD	O4-C4	-2.06	1.38	1.43
13	R	1301	CLA	C3B-C2B	-2.06	1.37	1.40
13	Y	506	CLA	CMC-C2C	-2.06	1.46	1.50
13	Z	510	CLA	CMD-C2D	-2.06	1.46	1.50
13	q	501	CLA	CMC-C2C	-2.06	1.46	1.50
13	r	511	CLA	CMD-C2D	-2.06	1.46	1.50
13	Z	511	CLA	CMD-C2D	-2.06	1.46	1.50
13	Z	502	CLA	C3B-CAB	-2.06	1.43	1.47
13	u	519	CLA	CMD-C2D	-2.06	1.46	1.50
13	n	1501	CLA	CMD-C2D	-2.06	1.46	1.50
16	A	4008	BCR	C10-C9	-2.06	1.33	1.35
13	c	519	CLA	CMD-C2D	-2.06	1.46	1.50
13	q	511	CLA	CMD-C2D	-2.06	1.46	1.50
13	v	517	CLA	CMD-C2D	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	e	1117	CLA	MG-ND	-2.06	2.01	2.05
13	3	506	CLA	CMD-C2D	-2.06	1.46	1.50
13	s	517	CLA	CMD-C2D	-2.06	1.46	1.50
13	1	501	CLA	CMC-C2C	-2.06	1.46	1.50
13	1	516	CLA	CMD-C2D	-2.06	1.46	1.50
19	f	5002	LMG	O1-C7	-2.06	1.40	1.43
20	2	822	SQD	O3-C3	-2.06	1.38	1.43
13	b	510	CLA	CMD-C2D	-2.06	1.46	1.50
13	b	513	CLA	CMC-C2C	-2.06	1.46	1.50
20	c	822	SQD	O4-C4	-2.06	1.38	1.43
13	f	1210	CLA	C3B-CAB	-2.06	1.43	1.47
13	3	518	CLA	CMC-C2C	-2.06	1.46	1.50
13	a	509	CLA	CMC-C2C	-2.06	1.46	1.50
13	v	507	CLA	CMD-C2D	-2.06	1.46	1.50
13	H	1215	CLA	CMC-C2C	-2.06	1.46	1.50
13	G	1123	CLA	CMC-C2C	-2.05	1.46	1.50
13	H	1229	CLA	CMC-C2C	-2.05	1.46	1.50
13	r	510	CLA	CMD-C2D	-2.05	1.46	1.50
13	f	1220	CLA	C3B-C2B	-2.05	1.37	1.40
13	B	1225	CLA	C3B-CAB	-2.05	1.43	1.47
13	A	1117	CLA	CMC-C2C	-2.05	1.46	1.50
13	1	506	CLA	CMC-C2C	-2.05	1.46	1.50
13	5	519	CLA	CMD-C2D	-2.05	1.46	1.50
13	Y	509	CLA	CMD-C2D	-2.05	1.46	1.50
13	B	1220	CLA	C3B-C2B	-2.05	1.37	1.40
13	5	513	CLA	CMD-C2D	-2.05	1.46	1.50
13	c	513	CLA	CMC-C2C	-2.05	1.46	1.50
13	F	1302	CLA	C3B-C2B	-2.05	1.37	1.40
13	A	1105	CLA	CMD-C2D	-2.05	1.46	1.50
13	a	519	CLA	CMD-C2D	-2.05	1.46	1.50
13	q	506	CLA	CMC-C2C	-2.05	1.46	1.50
13	B	1221	CLA	MG-ND	-2.05	2.01	2.05
13	s	512	CLA	MG-ND	-2.05	2.01	2.05
13	B	1220	CLA	C3B-CAB	-2.05	1.43	1.47
13	a	513	CLA	CMD-C2D	-2.05	1.46	1.50
13	b	507	CLA	CMD-C2D	-2.05	1.46	1.50
13	e	1107	CLA	CMC-C2C	-2.05	1.46	1.50
13	u	509	CLA	CMC-C2C	-2.05	1.46	1.50
13	6	508	CLA	CMC-C2C	-2.05	1.46	1.50
13	u	509	CLA	CMD-C2D	-2.05	1.46	1.50
20	Y	822	SQD	O4-C4	-2.05	1.38	1.43
13	1	504	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Y	504	CLA	CMC-C2C	-2.05	1.46	1.50
13	b	513	CLA	CMD-C2D	-2.05	1.46	1.50
13	d	519	CLA	CMC-C2C	-2.05	1.46	1.50
13	d	501	CLA	CMD-C2D	-2.05	1.46	1.50
20	Z	822	SQD	O3-C3	-2.05	1.38	1.43
13	H	1218	CLA	CMC-C2C	-2.05	1.46	1.50
13	e	1120	CLA	CMC-C2C	-2.05	1.46	1.50
13	e	1127	CLA	CMC-C2C	-2.05	1.46	1.50
13	f	1238	CLA	CMC-C2C	-2.05	1.46	1.50
13	H	1226	CLA	CMC-C2C	-2.05	1.46	1.50
13	d	503	CLA	CMD-C2D	-2.05	1.46	1.50
13	f	1226	CLA	C3B-C2B	-2.05	1.37	1.40
13	2	513	CLA	CMD-C2D	-2.05	1.46	1.50
13	e	1126	CLA	CMC-C2C	-2.05	1.46	1.50
13	H	1012	CLA	C3B-CAB	-2.05	1.43	1.47
13	r	516	CLA	CMD-C2D	-2.05	1.46	1.50
13	j	1301	CLA	C3B-C2B	-2.05	1.37	1.40
13	m	1401	CLA	C3B-C2B	-2.05	1.37	1.40
13	3	519	CLA	CMD-C2D	-2.05	1.46	1.50
13	a	506	CLA	CMD-C2D	-2.05	1.46	1.50
13	u	510	CLA	CMD-C2D	-2.05	1.46	1.50
13	H	1221	CLA	MG-ND	-2.05	2.01	2.05
13	H	1225	CLA	C3B-CAB	-2.05	1.43	1.47
13	B	1229	CLA	CMC-C2C	-2.05	1.46	1.50
13	Z	506	CLA	CMD-C2D	-2.05	1.46	1.50
19	B	5002	LMG	O1-C7	-2.05	1.40	1.43
19	H	5002	LMG	O1-C7	-2.05	1.40	1.43
13	Y	502	CLA	C3B-C2B	-2.05	1.37	1.40
13	G	1122	CLA	C3B-CAB	-2.05	1.43	1.47
13	H	1220	CLA	C3B-CAB	-2.05	1.43	1.47
13	u	503	CLA	CMD-C2D	-2.05	1.46	1.50
13	d	508	CLA	CMC-C2C	-2.04	1.46	1.50
13	G	1108	CLA	CMC-C2C	-2.04	1.46	1.50
13	u	506	CLA	CMC-C2C	-2.04	1.46	1.50
20	1	822	SQD	O4-C4	-2.04	1.38	1.43
13	2	516	CLA	CMD-C2D	-2.04	1.46	1.50
13	H	1236	CLA	CMD-C2D	-2.04	1.46	1.50
13	f	1012	CLA	C3B-CAB	-2.04	1.43	1.47
13	A	1123	CLA	CMC-C2C	-2.04	1.46	1.50
13	B	1232	CLA	CMC-C2C	-2.04	1.46	1.50
13	d	513	CLA	C3B-C2B	-2.04	1.37	1.40
13	B	1216	CLA	MG-ND	-2.04	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	3	501	CLA	CMD-C2D	-2.04	1.46	1.50
13	4	517	CLA	CMC-C2C	-2.04	1.46	1.50
13	t	510	CLA	CMD-C2D	-2.04	1.46	1.50
13	t	513	CLA	CMC-C2C	-2.04	1.46	1.50
13	B	1012	CLA	C3B-CAB	-2.04	1.43	1.47
13	H	1238	CLA	CMC-C2C	-2.04	1.46	1.50
13	s	513	CLA	CMD-C2D	-2.04	1.46	1.50
13	f	1206	CLA	C3B-C2B	-2.04	1.37	1.40
13	f	1215	CLA	MG-ND	-2.04	2.01	2.05
13	B	1220	CLA	CMD-C2D	-2.04	1.46	1.50
13	4	510	CLA	CMD-C2D	-2.04	1.46	1.50
13	B	1218	CLA	CMC-C2C	-2.04	1.46	1.50
13	s	518	CLA	CMC-C2C	-2.04	1.46	1.50
13	A	1120	CLA	CMC-C2C	-2.04	1.46	1.50
13	B	1215	CLA	CMD-C2D	-2.04	1.46	1.50
13	T	1302	CLA	CMC-C2C	-2.04	1.46	1.50
13	s	516	CLA	CMD-C2D	-2.04	1.46	1.50
13	e	1133	CLA	MG-ND	-2.04	2.01	2.05
13	3	513	CLA	CMD-C2D	-2.04	1.46	1.50
13	6	503	CLA	CMD-C2D	-2.04	1.46	1.50
13	u	513	CLA	CMC-C2C	-2.04	1.46	1.50
13	5	513	CLA	CMC-C2C	-2.04	1.46	1.50
13	e	1117	CLA	CMC-C2C	-2.04	1.46	1.50
13	1	502	CLA	C3B-C2B	-2.04	1.37	1.40
13	f	1220	CLA	C3B-CAB	-2.04	1.43	1.47
13	A	1109	CLA	CMD-C2D	-2.04	1.46	1.50
13	6	517	CLA	CMD-C2D	-2.04	1.46	1.50
13	G	1117	CLA	CMC-C2C	-2.04	1.46	1.50
13	q	509	CLA	CMC-C2C	-2.04	1.46	1.50
13	n	1501	CLA	C3B-C2B	-2.04	1.37	1.40
13	H	1215	CLA	MG-ND	-2.04	2.01	2.05
13	5	516	CLA	CMD-C2D	-2.04	1.46	1.50
13	s	509	CLA	CMC-C2C	-2.04	1.46	1.50
13	A	1132	CLA	MG-ND	-2.04	2.01	2.05
20	u	822	SQD	O3-C3	-2.04	1.38	1.43
13	G	1118	CLA	CMC-C2C	-2.04	1.46	1.50
13	e	1125	CLA	C3B-CAB	-2.04	1.43	1.47
13	B	1215	CLA	CMC-C2C	-2.04	1.46	1.50
13	4	513	CLA	CMC-C2C	-2.04	1.46	1.50
13	c	503	CLA	CMD-C2D	-2.04	1.46	1.50
13	5	510	CLA	CMD-C2D	-2.04	1.46	1.50
13	d	507	CLA	CMD-C2D	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	t	504	CLA	CMD-C2D	-2.04	1.46	1.50
13	H	1206	CLA	C3B-C2B	-2.04	1.37	1.40
13	A	1140	CLA	C3B-C2B	-2.03	1.37	1.40
13	Y	501	CLA	CMC-C2C	-2.03	1.46	1.50
13	Y	516	CLA	CMD-C2D	-2.03	1.46	1.50
13	a	501	CLA	CMC-C2C	-2.03	1.46	1.50
20	5	822	SQD	O3-C3	-2.03	1.38	1.43
13	6	519	CLA	CMC-C2C	-2.03	1.46	1.50
13	b	516	CLA	CMD-C2D	-2.03	1.46	1.50
13	u	516	CLA	CMD-C2D	-2.03	1.46	1.50
19	f	5002	LMG	O7-C8	-2.03	1.41	1.46
13	5	513	CLA	C3B-C2B	-2.03	1.37	1.40
13	f	1218	CLA	CMC-C2C	-2.03	1.46	1.50
13	G	1116	CLA	MG-ND	-2.03	2.01	2.05
13	a	516	CLA	CMD-C2D	-2.03	1.46	1.50
13	l	1302	CLA	CMC-C2C	-2.03	1.46	1.50
16	H	4010	BCR	C14-C13	-2.03	1.33	1.35
13	3	509	CLA	CMC-C2C	-2.03	1.46	1.50
13	Y	517	CLA	CMC-C2C	-2.03	1.46	1.50
13	1	504	CLA	C3B-C2B	-2.03	1.37	1.40
13	B	1215	CLA	MG-ND	-2.03	2.01	2.05
13	v	503	CLA	CMD-C2D	-2.03	1.46	1.50
13	B	1238	CLA	CMC-C2C	-2.03	1.46	1.50
13	e	1109	CLA	CMD-C2D	-2.03	1.46	1.50
13	H	1021	CLA	MG-ND	-2.03	2.01	2.05
13	t	517	CLA	CMC-C2C	-2.03	1.46	1.50
13	s	501	CLA	CMD-C2D	-2.03	1.46	1.50
13	H	1012	CLA	MG-ND	-2.03	2.01	2.05
13	B	1203	CLA	C3B-CAB	-2.03	1.43	1.47
13	A	1118	CLA	CMC-C2C	-2.03	1.46	1.50
13	e	1108	CLA	CMC-C2C	-2.03	1.46	1.50
13	B	1206	CLA	C3B-C2B	-2.03	1.37	1.40
13	B	1207	CLA	C3B-C2B	-2.03	1.37	1.40
13	4	513	CLA	CMD-C2D	-2.03	1.46	1.50
13	1	510	CLA	CMD-C2D	-2.03	1.46	1.50
13	5	503	CLA	CMD-C2D	-2.03	1.46	1.50
13	6	510	CLA	CMD-C2D	-2.03	1.46	1.50
13	G	1114	CLA	CMC-C2C	-2.03	1.46	1.50
13	e	1118	CLA	CMC-C2C	-2.03	1.46	1.50
13	v	506	CLA	CMC-C2C	-2.03	1.46	1.50
13	b	518	CLA	C3B-C2B	-2.03	1.37	1.40
13	G	1120	CLA	CMC-C2C	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	Z	510	CLA	CMC-C2C	-2.03	1.46	1.50
13	e	1114	CLA	CMC-C2C	-2.03	1.46	1.50
13	H	1207	CLA	C3B-C2B	-2.03	1.37	1.40
13	e	1117	CLA	C4B-CHC	-2.03	1.35	1.41
13	J	1302	CLA	CMC-C2C	-2.03	1.46	1.50
13	j	1302	CLA	C3B-C2B	-2.03	1.37	1.40
13	Z	513	CLA	CMD-C2D	-2.02	1.46	1.50
13	v	510	CLA	CMD-C2D	-2.02	1.46	1.50
13	e	1237	CLA	C4B-CHC	-2.02	1.35	1.41
13	3	516	CLA	CMD-C2D	-2.02	1.46	1.50
13	Y	510	CLA	CMD-C2D	-2.02	1.46	1.50
13	4	506	CLA	CMD-C2D	-2.02	1.46	1.50
13	G	1105	CLA	CMD-C2D	-2.02	1.46	1.50
13	c	501	CLA	CMD-C2D	-2.02	1.46	1.50
13	A	1127	CLA	CMC-C2C	-2.02	1.46	1.50
13	q	513	CLA	CMC-C2C	-2.02	1.46	1.50
13	B	1210	CLA	C3B-CAB	-2.02	1.43	1.47
13	v	513	CLA	C3B-C2B	-2.02	1.37	1.40
13	l	513	CLA	CMC-C2C	-2.02	1.46	1.50
13	Y	509	CLA	CMC-C2C	-2.02	1.46	1.50
13	G	1133	CLA	C3B-CAB	-2.02	1.43	1.47
13	e	1122	CLA	C3B-CAB	-2.02	1.43	1.47
13	5	502	CLA	CMC-C2C	-2.02	1.46	1.50
13	t	506	CLA	CMD-C2D	-2.02	1.46	1.50
13	4	509	CLA	CMD-C2D	-2.02	1.46	1.50
13	m	1103	CLA	C4B-CHC	-2.02	1.35	1.41
13	H	1235	CLA	C3B-CAB	-2.02	1.43	1.47
13	A	1133	CLA	MG-ND	-2.02	2.01	2.05
13	e	1116	CLA	MG-ND	-2.02	2.01	2.05
13	4	504	CLA	CMD-C2D	-2.02	1.46	1.50
13	5	517	CLA	CMC-C2C	-2.02	1.46	1.50
20	L	5216	SQD	O3-C3	-2.02	1.38	1.43
13	2	519	CLA	CMD-C2D	-2.02	1.46	1.50
13	r	513	CLA	CMD-C2D	-2.02	1.46	1.50
16	G	4002	BCR	C30-C25	-2.02	1.51	1.53
16	B	4010	BCR	C14-C13	-2.02	1.33	1.35
16	f	4010	BCR	C14-C13	-2.02	1.33	1.35
20	V	5216	SQD	O3-C3	-2.02	1.38	1.43
13	d	517	CLA	CMD-C2D	-2.02	1.46	1.50
13	t	509	CLA	CMD-C2D	-2.02	1.46	1.50
13	G	1118	CLA	C3B-C2B	-2.02	1.37	1.40
13	q	517	CLA	CMC-C2C	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	u	517	CLA	CMC-C2C	-2.02	1.46	1.50
13	K	1401	CLA	C3B-C2B	-2.02	1.37	1.40
13	H	1210	CLA	C3B-CAB	-2.02	1.43	1.47
13	e	1106	CLA	C3B-CAB	-2.02	1.43	1.47
13	A	1114	CLA	CMC-C2C	-2.02	1.46	1.50
13	4	516	CLA	CMD-C2D	-2.02	1.46	1.50
13	6	501	CLA	CMD-C2D	-2.02	1.46	1.50
13	c	510	CLA	CMD-C2D	-2.02	1.46	1.50
13	r	510	CLA	CMC-C2C	-2.02	1.46	1.50
13	a	501	CLA	CMD-C2D	-2.02	1.46	1.50
13	A	1126	CLA	CMC-C2C	-2.02	1.46	1.50
13	H	1215	CLA	CMD-C2D	-2.02	1.46	1.50
13	t	513	CLA	CMD-C2D	-2.02	1.46	1.50
17	e	5003	LHG	O7-C5	-2.02	1.41	1.46
13	b	517	CLA	CMC-C2C	-2.02	1.46	1.50
13	e	1102	CLA	CMD-C2D	-2.02	1.46	1.50
13	K	1103	CLA	C4B-CHC	-2.02	1.35	1.41
17	A	5003	LHG	O7-C5	-2.02	1.41	1.46
13	2	504	CLA	CMC-C2C	-2.02	1.46	1.50
13	e	1134	CLA	CMC-C2C	-2.02	1.46	1.50
13	t	517	CLA	CMD-C2D	-2.02	1.46	1.50
13	2	512	CLA	C3B-C2B	-2.02	1.37	1.40
13	3	519	CLA	C3B-C2B	-2.02	1.37	1.40
13	u	512	CLA	C3B-C2B	-2.02	1.37	1.40
13	b	509	CLA	CMD-C2D	-2.02	1.46	1.50
13	v	501	CLA	CMC-C2C	-2.02	1.46	1.50
13	3	512	CLA	MG-ND	-2.02	2.01	2.05
13	A	1122	CLA	C3B-CAB	-2.02	1.43	1.47
13	b	504	CLA	CMD-C2D	-2.01	1.46	1.50
13	e	1123	CLA	CMC-C2C	-2.01	1.46	1.50
13	v	506	CLA	CMD-C2D	-2.01	1.46	1.50
13	c	513	CLA	C3B-C2B	-2.01	1.37	1.40
13	1	509	CLA	CMC-C2C	-2.01	1.46	1.50
13	5	506	CLA	CMC-C2C	-2.01	1.46	1.50
13	Y	513	CLA	CMD-C2D	-2.01	1.46	1.50
13	Z	519	CLA	CMD-C2D	-2.01	1.46	1.50
13	r	512	CLA	C3B-C2B	-2.01	1.37	1.40
13	Z	516	CLA	CMC-C2C	-2.01	1.46	1.50
13	c	502	CLA	CMC-C2C	-2.01	1.46	1.50
13	A	1133	CLA	C3B-CAB	-2.01	1.43	1.47
13	1	517	CLA	CMC-C2C	-2.01	1.46	1.50
13	2	506	CLA	CMD-C2D	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	r	507	CLA	CMC-C2C	-2.01	1.46	1.50
20	c	822	SQD	O3-C3	-2.01	1.38	1.43
13	Y	504	CLA	C3B-C2B	-2.01	1.37	1.40
13	H	1232	CLA	CMC-C2C	-2.01	1.46	1.50
13	u	502	CLA	CMC-C2C	-2.01	1.46	1.50
13	H	1212	CLA	MG-ND	-2.01	2.01	2.05
13	q	506	CLA	CMD-C2D	-2.01	1.46	1.50
13	b	506	CLA	CMD-C2D	-2.01	1.46	1.50
13	r	518	CLA	CMC-C2C	-2.01	1.46	1.50
13	s	519	CLA	C3B-C2B	-2.01	1.37	1.40
13	G	1237	CLA	C3B-CAB	-2.01	1.43	1.47
13	t	518	CLA	C3B-C2B	-2.01	1.37	1.40
20	n	5216	SQD	O3-C3	-2.01	1.38	1.43
13	A	1134	CLA	CMC-C2C	-2.01	1.46	1.50
13	d	506	CLA	CMC-C2C	-2.01	1.46	1.50
13	f	1235	CLA	C3B-CAB	-2.01	1.43	1.47
13	A	1022	CLA	C3B-C2B	-2.01	1.37	1.40
13	B	1021	CLA	MG-ND	-2.01	2.01	2.05
13	Y	513	CLA	CMC-C2C	-2.01	1.46	1.50
13	r	503	CLA	CMC-C2C	-2.01	1.46	1.50
13	A	1106	CLA	C3B-CAB	-2.01	1.43	1.47
13	v	501	CLA	CMD-C2D	-2.01	1.46	1.50
13	A	1117	CLA	C4B-CHC	-2.01	1.35	1.41
13	l	513	CLA	CMD-C2D	-2.01	1.46	1.50
13	f	1215	CLA	CMC-C2C	-2.01	1.46	1.50
13	r	504	CLA	CMC-C2C	-2.01	1.46	1.50
13	A	1237	CLA	C4B-CHC	-2.01	1.35	1.41
13	A	1125	CLA	C3B-CAB	-2.01	1.43	1.47
13	q	513	CLA	CMD-C2D	-2.01	1.46	1.50
13	t	502	CLA	C3B-C2B	-2.01	1.37	1.40
13	u	504	CLA	CMD-C2D	-2.01	1.46	1.50
13	U	1103	CLA	C4B-CHC	-2.01	1.35	1.41
13	A	1118	CLA	C3B-C2B	-2.00	1.37	1.40
13	f	1207	CLA	C3B-C2B	-2.00	1.37	1.40
16	A	4002	BCR	C30-C25	-2.00	1.51	1.53
13	G	1117	CLA	C4B-CHC	-2.00	1.35	1.41
13	t	516	CLA	CMD-C2D	-2.00	1.46	1.50
13	H	1216	CLA	MG-ND	-2.00	2.01	2.05
13	G	1106	CLA	C3B-CAB	-2.00	1.43	1.47
13	q	502	CLA	C3B-C2B	-2.00	1.37	1.40
13	l	518	CLA	MG-ND	-2.00	2.01	2.05
13	f	1021	CLA	MG-ND	-2.00	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	6	516	CLA	CMD-C2D	-2.00	1.46	1.50
13	m	1105	CLA	C4B-CHC	-2.00	1.35	1.41
13	3	519	CLA	C3B-CAB	-2.00	1.43	1.47
13	6	517	CLA	CMC-C2C	-2.00	1.46	1.50
13	5	512	CLA	C3B-C2B	-2.00	1.37	1.40
13	G	1127	CLA	CMC-C2C	-2.00	1.46	1.50
13	d	516	CLA	CMD-C2D	-2.00	1.46	1.50
13	d	517	CLA	CMC-C2C	-2.00	1.46	1.50
13	G	1121	CLA	MG-ND	-2.00	2.01	2.05

All (7438) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	2002	PQN	C11-C12-C13	-9.00	111.81	126.79
14	B	2002	PQN	C11-C12-C13	-9.00	111.81	126.79
13	H	1211	CLA	C4A-NA-C1A	8.99	110.75	106.71
14	H	2002	PQN	C11-C12-C13	-8.98	111.85	126.79
13	B	1211	CLA	C4A-NA-C1A	8.88	110.70	106.71
13	f	1211	CLA	C4A-NA-C1A	8.84	110.68	106.71
13	G	1120	CLA	C4A-NA-C1A	8.25	110.41	106.71
13	e	1120	CLA	C4A-NA-C1A	8.21	110.40	106.71
13	A	1120	CLA	C4A-NA-C1A	8.21	110.39	106.71
13	G	1103	CLA	C4A-NA-C1A	8.20	110.39	106.71
13	A	1103	CLA	C4A-NA-C1A	8.18	110.38	106.71
13	A	1115	CLA	C4A-NA-C1A	8.15	110.37	106.71
13	e	1103	CLA	C4A-NA-C1A	8.12	110.36	106.71
13	e	1115	CLA	C4A-NA-C1A	8.12	110.36	106.71
13	B	1023	CLA	C4A-NA-C1A	8.11	110.35	106.71
13	G	1115	CLA	C4A-NA-C1A	8.11	110.35	106.71
13	f	1201	CLA	C4A-NA-C1A	8.09	110.34	106.71
13	H	1023	CLA	C4A-NA-C1A	8.09	110.34	106.71
13	B	1201	CLA	C4A-NA-C1A	8.08	110.34	106.71
13	H	1201	CLA	C4A-NA-C1A	8.07	110.34	106.71
13	f	1023	CLA	C4A-NA-C1A	8.03	110.32	106.71
13	H	1226	CLA	CMB-C2B-C1B	-8.02	116.14	128.46
13	B	1226	CLA	CMB-C2B-C1B	-8.00	116.16	128.46
13	f	1226	CLA	CMB-C2B-C1B	-7.99	116.19	128.46
13	l	518	CLA	C4A-NA-C1A	7.96	110.28	106.71
13	q	518	CLA	C4A-NA-C1A	7.94	110.28	106.71
13	f	1231	CLA	C4A-NA-C1A	7.91	110.26	106.71
13	B	1224	CLA	C4A-NA-C1A	7.89	110.25	106.71
14	e	2001	PQN	C11-C12-C13	-7.88	113.67	126.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	f	1224	CLA	C4A-NA-C1A	7.86	110.24	106.71
14	G	2001	PQN	C11-C12-C13	-7.86	113.70	126.79
13	f	1206	CLA	C4A-NA-C1A	7.85	110.24	106.71
14	A	2001	PQN	C11-C12-C13	-7.84	113.73	126.79
13	B	1206	CLA	C4A-NA-C1A	7.84	110.23	106.71
13	A	1109	CLA	C4A-NA-C1A	7.84	110.23	106.71
13	Y	518	CLA	C4A-NA-C1A	7.82	110.22	106.71
13	G	1109	CLA	C4A-NA-C1A	7.81	110.22	106.71
13	H	1206	CLA	C4A-NA-C1A	7.80	110.21	106.71
13	B	1231	CLA	C4A-NA-C1A	7.78	110.20	106.71
13	e	1109	CLA	C4A-NA-C1A	7.78	110.20	106.71
13	H	1224	CLA	C4A-NA-C1A	7.77	110.20	106.71
13	f	1212	CLA	C4A-NA-C1A	7.74	110.18	106.71
13	H	1231	CLA	C4A-NA-C1A	7.73	110.18	106.71
13	H	1239	CLA	C4A-NA-C1A	7.73	110.18	106.71
13	B	1213	CLA	C4A-NA-C1A	7.68	110.16	106.71
13	e	1125	CLA	C4A-NA-C1A	7.68	110.16	106.71
13	B	1239	CLA	C4A-NA-C1A	7.67	110.16	106.71
13	B	1212	CLA	C4A-NA-C1A	7.66	110.15	106.71
13	V	1502	CLA	C4A-NA-C1A	7.66	110.15	106.71
13	H	1212	CLA	C4A-NA-C1A	7.65	110.15	106.71
13	H	1213	CLA	C4A-NA-C1A	7.65	110.14	106.71
13	G	1105	CLA	C4A-NA-C1A	7.65	110.14	106.71
13	L	1502	CLA	C4A-NA-C1A	7.63	110.14	106.71
13	H	1235	CLA	C4A-NA-C1A	7.62	110.13	106.71
13	f	1213	CLA	C4A-NA-C1A	7.61	110.13	106.71
13	B	1235	CLA	C4A-NA-C1A	7.61	110.13	106.71
13	a	501	CLA	C4A-NA-C1A	7.61	110.13	106.71
13	4	502	CLA	C4A-NA-C1A	7.59	110.12	106.71
13	n	1502	CLA	C4A-NA-C1A	7.59	110.12	106.71
13	A	1125	CLA	C4A-NA-C1A	7.58	110.12	106.71
13	f	1214	CLA	C4A-NA-C1A	7.58	110.11	106.71
13	A	1105	CLA	C4A-NA-C1A	7.57	110.11	106.71
13	e	1113	CLA	C4A-NA-C1A	7.56	110.11	106.71
13	f	1239	CLA	C4A-NA-C1A	7.56	110.11	106.71
13	G	1125	CLA	C4A-NA-C1A	7.56	110.10	106.71
13	f	1235	CLA	C4A-NA-C1A	7.56	110.10	106.71
13	H	1208	CLA	C4A-NA-C1A	7.55	110.10	106.71
13	3	501	CLA	C4A-NA-C1A	7.54	110.10	106.71
13	t	502	CLA	C4A-NA-C1A	7.54	110.10	106.71
13	H	1228	CLA	C4A-NA-C1A	7.53	110.09	106.71
13	b	502	CLA	C4A-NA-C1A	7.53	110.09	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1113	CLA	C4A-NA-C1A	7.52	110.09	106.71
13	e	1105	CLA	C4A-NA-C1A	7.52	110.09	106.71
13	f	1208	CLA	C4A-NA-C1A	7.50	110.08	106.71
13	s	501	CLA	C4A-NA-C1A	7.50	110.08	106.71
13	B	1228	CLA	C4A-NA-C1A	7.50	110.08	106.71
13	G	1113	CLA	C4A-NA-C1A	7.49	110.07	106.71
13	H	1214	CLA	C4A-NA-C1A	7.48	110.07	106.71
13	B	1208	CLA	C4A-NA-C1A	7.48	110.07	106.71
13	G	1137	CLA	C4A-NA-C1A	7.45	110.06	106.71
13	d	502	CLA	C4A-NA-C1A	7.45	110.06	106.71
13	f	1228	CLA	C4A-NA-C1A	7.45	110.06	106.71
13	6	502	CLA	C4A-NA-C1A	7.44	110.05	106.71
13	3	502	CLA	C4A-NA-C1A	7.44	110.05	106.71
13	G	1133	CLA	C4A-NA-C1A	7.44	110.05	106.71
13	V	1501	CLA	C4A-NA-C1A	7.43	110.05	106.71
13	a	502	CLA	C4A-NA-C1A	7.43	110.05	106.71
13	B	1214	CLA	C4A-NA-C1A	7.43	110.05	106.71
13	v	502	CLA	C4A-NA-C1A	7.42	110.04	106.71
14	e	2001	PQN	C15-C13-C12	-7.41	106.12	121.12
14	G	2001	PQN	C15-C13-C12	-7.41	106.13	121.12
13	L	1501	CLA	C4A-NA-C1A	7.40	110.03	106.71
13	n	1501	CLA	C4A-NA-C1A	7.40	110.03	106.71
13	f	1223	CLA	C4A-NA-C1A	7.39	110.03	106.71
14	A	2001	PQN	C15-C13-C12	-7.39	106.16	121.12
13	A	1137	CLA	C4A-NA-C1A	7.38	110.02	106.71
13	B	1223	CLA	C4A-NA-C1A	7.36	110.02	106.71
13	V	1503	CLA	C4A-NA-C1A	7.36	110.01	106.71
13	B	1202	CLA	C4A-NA-C1A	7.36	110.01	106.71
13	t	517	CLA	C4A-NA-C1A	7.35	110.01	106.71
13	A	1133	CLA	C4A-NA-C1A	7.34	110.01	106.71
13	e	1138	CLA	C4A-NA-C1A	7.34	110.01	106.71
13	s	509	CLA	C4A-NA-C1A	7.34	110.01	106.71
13	A	1138	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	c	501	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	f	1215	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	f	1218	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	B	1210	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	B	1215	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	2	502	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	e	1133	CLA	C4A-NA-C1A	7.33	110.00	106.71
13	s	502	CLA	C4A-NA-C1A	7.32	110.00	106.71
13	4	517	CLA	C4A-NA-C1A	7.32	110.00	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1202	CLA	C4A-NA-C1A	7.31	109.99	106.71
13	H	1210	CLA	C4A-NA-C1A	7.31	109.99	106.71
13	G	1138	CLA	C4A-NA-C1A	7.31	109.99	106.71
13	l	1302	CLA	C4A-NA-C1A	7.30	109.99	106.71
13	H	1218	CLA	C4A-NA-C1A	7.30	109.99	106.71
13	3	509	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	H	1223	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	f	1210	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	u	501	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	e	1013	CLA	CMB-C2B-C1B	-7.28	117.27	128.46
13	e	1137	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	H	1215	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	a	519	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	b	517	CLA	C4A-NA-C1A	7.28	109.98	106.71
13	A	1013	CLA	CMB-C2B-C1B	-7.27	117.29	128.46
13	5	501	CLA	C4A-NA-C1A	7.27	109.97	106.71
13	B	1218	CLA	C4A-NA-C1A	7.26	109.97	106.71
13	b	518	CLA	C4A-NA-C1A	7.26	109.97	106.71
13	G	1013	CLA	CMB-C2B-C1B	-7.26	117.31	128.46
13	r	501	CLA	C4A-NA-C1A	7.25	109.97	106.71
13	3	519	CLA	C4A-NA-C1A	7.25	109.97	106.71
13	e	1801	CLA	C4A-NA-C1A	7.25	109.97	106.71
13	A	1118	CLA	C4A-NA-C1A	7.24	109.96	106.71
13	H	1205	CLA	C4A-NA-C1A	7.24	109.96	106.71
13	r	502	CLA	C4A-NA-C1A	7.24	109.96	106.71
13	f	1202	CLA	C4A-NA-C1A	7.24	109.96	106.71
13	s	519	CLA	C4A-NA-C1A	7.24	109.96	106.71
13	r	516	CLA	C4A-NA-C1A	7.23	109.96	106.71
13	L	1503	CLA	C4A-NA-C1A	7.23	109.96	106.71
13	Z	502	CLA	C4A-NA-C1A	7.23	109.95	106.71
13	u	502	CLA	C4A-NA-C1A	7.23	109.95	106.71
13	f	1209	CLA	C4A-NA-C1A	7.22	109.95	106.71
13	e	1112	CLA	C4A-NA-C1A	7.22	109.95	106.71
13	n	1503	CLA	C4A-NA-C1A	7.22	109.95	106.71
13	e	1128	CLA	CMB-C2B-C1B	-7.22	117.37	128.46
13	s	513	CLA	C4A-NA-C1A	7.21	109.95	106.71
13	Y	502	CLA	C4A-NA-C1A	7.21	109.95	106.71
13	A	1128	CLA	CMB-C2B-C1B	-7.21	117.39	128.46
13	A	1112	CLA	C4A-NA-C1A	7.20	109.94	106.71
13	a	509	CLA	C4A-NA-C1A	7.20	109.94	106.71
13	t	518	CLA	C4A-NA-C1A	7.20	109.94	106.71
13	B	1227	CLA	C4A-NA-C1A	7.20	109.94	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1118	CLA	C4A-NA-C1A	7.20	109.94	106.71
13	Z	501	CLA	C4A-NA-C1A	7.20	109.94	106.71
13	f	1227	CLA	C4A-NA-C1A	7.19	109.94	106.71
13	G	1128	CLA	CMB-C2B-C1B	-7.19	117.41	128.46
13	H	1209	CLA	C4A-NA-C1A	7.19	109.94	106.71
13	a	513	CLA	C4A-NA-C1A	7.19	109.94	106.71
13	Z	516	CLA	C4A-NA-C1A	7.18	109.94	106.71
13	e	1118	CLA	C4A-NA-C1A	7.18	109.93	106.71
13	A	1123	CLA	C4A-NA-C1A	7.18	109.93	106.71
13	B	1209	CLA	C4A-NA-C1A	7.18	109.93	106.71
13	Z	518	CLA	C4A-NA-C1A	7.18	109.93	106.71
13	A	1801	CLA	C4A-NA-C1A	7.17	109.93	106.71
13	2	501	CLA	C4A-NA-C1A	7.17	109.93	106.71
13	a	512	CLA	C4A-NA-C1A	7.16	109.93	106.71
13	b	501	CLA	C4A-NA-C1A	7.16	109.93	106.71
14	H	2002	PQN	C15-C13-C12	-7.16	106.63	121.12
13	s	512	CLA	C4A-NA-C1A	7.16	109.92	106.71
14	B	2002	PQN	C15-C13-C12	-7.16	106.63	121.12
13	4	518	CLA	C4A-NA-C1A	7.16	109.92	106.71
13	2	516	CLA	C4A-NA-C1A	7.15	109.92	106.71
14	f	2002	PQN	C15-C13-C12	-7.15	106.64	121.12
13	A	1101	CLA	C4A-NA-C1A	7.15	109.92	106.71
13	e	1101	CLA	C4A-NA-C1A	7.15	109.92	106.71
13	H	1227	CLA	C4A-NA-C1A	7.15	109.92	106.71
13	J	1302	CLA	C4A-NA-C1A	7.15	109.92	106.71
13	G	1104	CLA	C4A-NA-C1A	7.14	109.92	106.71
13	3	513	CLA	C4A-NA-C1A	7.14	109.92	106.71
13	G	1801	CLA	C4A-NA-C1A	7.14	109.92	106.71
13	e	1123	CLA	C4A-NA-C1A	7.14	109.92	106.71
13	5	502	CLA	C4A-NA-C1A	7.14	109.91	106.71
13	A	1117	CLA	C4A-NA-C1A	7.13	109.91	106.71
13	G	1112	CLA	C4A-NA-C1A	7.13	109.91	106.71
13	G	1101	CLA	C4A-NA-C1A	7.13	109.91	106.71
13	G	1117	CLA	C4A-NA-C1A	7.13	109.91	106.71
13	c	507	CLA	C4A-NA-C1A	7.13	109.91	106.71
13	u	508	CLA	C4A-NA-C1A	7.13	109.91	106.71
13	A	1104	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	1	502	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	T	1302	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	2	518	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	G	1106	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	t	506	CLA	C4A-NA-C1A	7.12	109.91	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	5	508	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	e	1117	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	v	501	CLA	C4A-NA-C1A	7.12	109.91	106.71
13	B	1205	CLA	C4A-NA-C1A	7.11	109.90	106.71
13	c	508	CLA	C4A-NA-C1A	7.11	109.90	106.71
13	G	1123	CLA	C4A-NA-C1A	7.11	109.90	106.71
13	u	505	CLA	C4A-NA-C1A	7.11	109.90	106.71
13	u	506	CLA	C4A-NA-C1A	7.11	109.90	106.71
13	4	509	CLA	C4A-NA-C1A	7.10	109.90	106.71
13	q	502	CLA	C4A-NA-C1A	7.10	109.90	106.71
13	r	518	CLA	C4A-NA-C1A	7.10	109.90	106.71
13	3	512	CLA	C4A-NA-C1A	7.09	109.89	106.71
13	t	509	CLA	C4A-NA-C1A	7.09	109.89	106.71
13	A	1106	CLA	C4A-NA-C1A	7.08	109.89	106.71
13	4	506	CLA	C4A-NA-C1A	7.08	109.89	106.71
13	B	1220	CLA	C4A-NA-C1A	7.08	109.89	106.71
13	e	1106	CLA	C4A-NA-C1A	7.08	109.89	106.71
13	b	509	CLA	C4A-NA-C1A	7.07	109.89	106.71
13	t	519	CLA	C4A-NA-C1A	7.07	109.89	106.71
13	A	1122	CLA	C4A-NA-C1A	7.07	109.88	106.71
13	5	507	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	e	1122	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	F	1302	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	Y	509	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	c	502	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	l	1303	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	c	505	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	r	507	CLA	C4A-NA-C1A	7.06	109.88	106.71
13	5	505	CLA	C4A-NA-C1A	7.05	109.88	106.71
13	R	1302	CLA	C4A-NA-C1A	7.05	109.88	106.71
13	6	501	CLA	C4A-NA-C1A	7.05	109.88	106.71
13	T	1303	CLA	C4A-NA-C1A	7.05	109.88	106.71
13	5	506	CLA	C4A-NA-C1A	7.05	109.88	106.71
13	H	1220	CLA	C4A-NA-C1A	7.05	109.88	106.71
13	4	501	CLA	C4A-NA-C1A	7.05	109.87	106.71
13	G	1122	CLA	C4A-NA-C1A	7.05	109.87	106.71
13	d	501	CLA	C4A-NA-C1A	7.05	109.87	106.71
13	q	505	CLA	C4A-NA-C1A	7.04	109.87	106.71
13	c	506	CLA	C4A-NA-C1A	7.04	109.87	106.71
13	J	1303	CLA	C4A-NA-C1A	7.03	109.87	106.71
13	a	507	CLA	C4A-NA-C1A	7.03	109.87	106.71
13	H	1207	CLA	C4A-NA-C1A	7.03	109.86	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	1	505	CLA	C4A-NA-C1A	7.02	109.86	106.71
13	1	509	CLA	C4A-NA-C1A	7.02	109.86	106.71
13	r	517	CLA	C4A-NA-C1A	7.02	109.86	106.71
16	n	4019	BCR	C24-C23-C22	-7.02	115.63	126.23
13	3	518	CLA	C4A-NA-C1A	7.01	109.86	106.71
13	b	506	CLA	C4A-NA-C1A	7.01	109.86	106.71
13	e	1104	CLA	C4A-NA-C1A	7.01	109.86	106.71
13	u	507	CLA	C4A-NA-C1A	7.01	109.86	106.71
16	L	4019	BCR	C24-C23-C22	-7.00	115.65	126.23
13	4	519	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	q	509	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	r	513	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	s	518	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	t	510	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	B	1230	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	G	1134	CLA	C4A-NA-C1A	7.00	109.85	106.71
13	f	1205	CLA	C4A-NA-C1A	6.99	109.85	106.71
13	2	507	CLA	C4A-NA-C1A	6.99	109.85	106.71
13	b	519	CLA	C4A-NA-C1A	6.99	109.85	106.71
13	A	1134	CLA	C4A-NA-C1A	6.98	109.85	106.71
16	V	4019	BCR	C24-C23-C22	-6.98	115.69	126.23
13	H	1230	CLA	C4A-NA-C1A	6.98	109.84	106.71
13	2	517	CLA	C4A-NA-C1A	6.98	109.84	106.71
13	e	1134	CLA	C4A-NA-C1A	6.98	109.84	106.71
13	f	1216	CLA	C4A-NA-C1A	6.98	109.84	106.71
13	3	507	CLA	C4A-NA-C1A	6.97	109.84	106.71
13	f	1230	CLA	C4A-NA-C1A	6.97	109.84	106.71
13	t	501	CLA	C4A-NA-C1A	6.97	109.84	106.71
13	e	1136	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	j	1302	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	q	513	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	3	511	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	e	1126	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	f	1220	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	q	504	CLA	C4A-NA-C1A	6.96	109.84	106.71
13	b	513	CLA	C4A-NA-C1A	6.96	109.83	106.71
13	Y	511	CLA	C4A-NA-C1A	6.96	109.83	106.71
13	2	504	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	Z	507	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	4	510	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	Z	513	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	b	510	CLA	C4A-NA-C1A	6.95	109.83	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	512	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	q	507	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	A	1136	CLA	C4A-NA-C1A	6.95	109.83	106.71
13	A	1126	CLA	C4A-NA-C1A	6.94	109.83	106.71
13	f	1021	CLA	C4A-NA-C1A	6.94	109.83	106.71
13	G	1126	CLA	C4A-NA-C1A	6.94	109.83	106.71
13	4	512	CLA	C4A-NA-C1A	6.94	109.82	106.71
13	H	1221	CLA	C4A-NA-C1A	6.94	109.82	106.71
13	Y	505	CLA	C4A-NA-C1A	6.94	109.82	106.71
13	B	1021	CLA	C4A-NA-C1A	6.93	109.82	106.71
13	2	513	CLA	C4A-NA-C1A	6.93	109.82	106.71
13	Y	508	CLA	C4A-NA-C1A	6.93	109.82	106.71
13	v	503	CLA	C4A-NA-C1A	6.93	109.82	106.71
13	B	1207	CLA	C4A-NA-C1A	6.92	109.82	106.71
13	1	504	CLA	C4A-NA-C1A	6.92	109.82	106.71
13	1	511	CLA	C4A-NA-C1A	6.92	109.82	106.71
13	e	1114	CLA	C4A-NA-C1A	6.92	109.82	106.71
13	Z	504	CLA	C4A-NA-C1A	6.92	109.82	106.71
13	s	511	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	A	1114	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	6	503	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	f	1207	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	t	513	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	B	1221	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	a	511	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	u	503	CLA	C4A-NA-C1A	6.91	109.81	106.71
13	G	1114	CLA	C4A-NA-C1A	6.90	109.81	106.71
13	d	512	CLA	C4A-NA-C1A	6.90	109.81	106.71
13	a	518	CLA	C4A-NA-C1A	6.90	109.81	106.71
13	r	504	CLA	C4A-NA-C1A	6.90	109.81	106.71
13	4	513	CLA	C4A-NA-C1A	6.90	109.81	106.71
13	5	503	CLA	C4A-NA-C1A	6.90	109.81	106.71
13	3	506	CLA	C4A-NA-C1A	6.89	109.81	106.71
13	t	512	CLA	C4A-NA-C1A	6.89	109.80	106.71
13	1	503	CLA	C4A-NA-C1A	6.88	109.80	106.71
13	1	508	CLA	C4A-NA-C1A	6.88	109.80	106.71
13	Z	517	CLA	C4A-NA-C1A	6.88	109.80	106.71
13	f	1221	CLA	C4A-NA-C1A	6.88	109.80	106.71
13	u	516	CLA	C4A-NA-C1A	6.87	109.80	106.71
13	1	513	CLA	C4A-NA-C1A	6.87	109.80	106.71
13	G	1136	CLA	C4A-NA-C1A	6.87	109.80	106.71
13	c	516	CLA	C4A-NA-C1A	6.87	109.80	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	6	506	CLA	C4A-NA-C1A	6.87	109.79	106.71
13	a	506	CLA	C4A-NA-C1A	6.87	109.79	106.71
13	s	504	CLA	C4A-NA-C1A	6.87	109.79	106.71
13	q	508	CLA	C4A-NA-C1A	6.86	109.79	106.71
13	q	511	CLA	C4A-NA-C1A	6.86	109.79	106.71
13	Y	504	CLA	C4A-NA-C1A	6.86	109.79	106.71
13	B	1232	CLA	C4A-NA-C1A	6.86	109.79	106.71
13	q	503	CLA	C4A-NA-C1A	6.85	109.79	106.71
13	K	1105	CLA	C4A-NA-C1A	6.85	109.79	106.71
13	s	506	CLA	C4A-NA-C1A	6.85	109.79	106.71
13	l	507	CLA	C4A-NA-C1A	6.85	109.78	106.71
13	t	504	CLA	C4A-NA-C1A	6.85	109.78	106.71
13	H	1021	CLA	C4A-NA-C1A	6.85	109.78	106.71
13	H	1204	CLA	C4A-NA-C1A	6.85	109.78	106.71
13	v	512	CLA	C4A-NA-C1A	6.85	109.78	106.71
13	f	1232	CLA	C4A-NA-C1A	6.84	109.78	106.71
13	6	507	CLA	C4A-NA-C1A	6.84	109.78	106.71
13	6	512	CLA	C4A-NA-C1A	6.83	109.78	106.71
13	c	503	CLA	C4A-NA-C1A	6.83	109.78	106.71
13	c	513	CLA	C4A-NA-C1A	6.83	109.78	106.71
13	B	1216	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	B	1204	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	d	503	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	s	507	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	Z	511	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	2	511	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	b	504	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	H	1232	CLA	C4A-NA-C1A	6.82	109.77	106.71
13	Y	507	CLA	C4A-NA-C1A	6.81	109.77	106.71
13	Y	503	CLA	C4A-NA-C1A	6.81	109.77	106.71
13	5	516	CLA	C4A-NA-C1A	6.81	109.77	106.71
13	4	504	CLA	C4A-NA-C1A	6.81	109.77	106.71
13	f	1204	CLA	C4A-NA-C1A	6.81	109.77	106.71
13	t	507	CLA	C4A-NA-C1A	6.81	109.77	106.71
13	R	1301	CLA	C4A-NA-C1A	6.80	109.77	106.71
13	v	505	CLA	C4A-NA-C1A	6.80	109.77	106.71
13	U	1105	CLA	C4A-NA-C1A	6.80	109.76	106.71
13	r	509	CLA	C4A-NA-C1A	6.80	109.76	106.71
13	3	504	CLA	C4A-NA-C1A	6.79	109.76	106.71
13	v	506	CLA	C4A-NA-C1A	6.79	109.76	106.71
13	v	507	CLA	C4A-NA-C1A	6.78	109.75	106.71
13	Y	513	CLA	C4A-NA-C1A	6.78	109.75	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	d	506	CLA	C4A-NA-C1A	6.78	109.75	106.71
13	H	1216	CLA	C4A-NA-C1A	6.77	109.75	106.71
13	5	513	CLA	C4A-NA-C1A	6.77	109.75	106.71
13	r	511	CLA	C4A-NA-C1A	6.76	109.74	106.71
13	a	504	CLA	C4A-NA-C1A	6.75	109.74	106.71
13	m	1105	CLA	C4A-NA-C1A	6.75	109.74	106.71
13	5	510	CLA	C4A-NA-C1A	6.75	109.74	106.71
13	d	507	CLA	C4A-NA-C1A	6.75	109.74	106.71
13	d	505	CLA	C4A-NA-C1A	6.74	109.74	106.71
13	2	509	CLA	C4A-NA-C1A	6.74	109.74	106.71
13	1	501	CLA	C4A-NA-C1A	6.74	109.74	106.71
13	6	505	CLA	C4A-NA-C1A	6.74	109.73	106.71
13	s	505	CLA	C4A-NA-C1A	6.74	109.73	106.71
13	G	1102	CLA	C4A-NA-C1A	6.74	109.73	106.71
13	a	510	CLA	C4A-NA-C1A	6.73	109.73	106.71
13	v	504	CLA	C4A-NA-C1A	6.73	109.73	106.71
13	4	507	CLA	C4A-NA-C1A	6.73	109.73	106.71
13	Z	509	CLA	C4A-NA-C1A	6.72	109.73	106.71
13	F	1301	CLA	C4A-NA-C1A	6.72	109.73	106.71
13	5	504	CLA	C4A-NA-C1A	6.72	109.73	106.71
13	6	504	CLA	C4A-NA-C1A	6.72	109.73	106.71
13	b	503	CLA	C4A-NA-C1A	6.72	109.72	106.71
13	u	510	CLA	C4A-NA-C1A	6.71	109.72	106.71
13	c	519	CLA	C4A-NA-C1A	6.71	109.72	106.71
13	u	504	CLA	C4A-NA-C1A	6.71	109.72	106.71
13	c	510	CLA	C4A-NA-C1A	6.70	109.72	106.71
13	1	517	CLA	C4A-NA-C1A	6.70	109.72	106.71
13	m	1401	CLA	C4A-NA-C1A	6.70	109.72	106.71
13	d	504	CLA	C4A-NA-C1A	6.70	109.72	106.71
13	A	1102	CLA	C4A-NA-C1A	6.69	109.72	106.71
13	v	511	CLA	C4A-NA-C1A	6.69	109.72	106.71
13	u	513	CLA	C4A-NA-C1A	6.69	109.71	106.71
13	d	518	CLA	C4A-NA-C1A	6.68	109.71	106.71
13	e	1102	CLA	C4A-NA-C1A	6.68	109.71	106.71
13	4	503	CLA	C4A-NA-C1A	6.68	109.71	106.71
13	b	507	CLA	C4A-NA-C1A	6.67	109.70	106.71
13	d	519	CLA	C4A-NA-C1A	6.67	109.70	106.71
13	q	501	CLA	C4A-NA-C1A	6.67	109.70	106.71
13	v	519	CLA	C4A-NA-C1A	6.67	109.70	106.71
13	Z	505	CLA	C4A-NA-C1A	6.67	109.70	106.71
13	r	506	CLA	C4A-NA-C1A	6.67	109.70	106.71
13	6	519	CLA	C4A-NA-C1A	6.67	109.70	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	3	510	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	u	509	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	u	519	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	Y	501	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	e	1131	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	c	509	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	v	509	CLA	C4A-NA-C1A	6.66	109.70	106.71
13	6	511	CLA	C4A-NA-C1A	6.65	109.69	106.71
13	G	1131	CLA	C4A-NA-C1A	6.65	109.69	106.71
13	Y	517	CLA	C4A-NA-C1A	6.65	109.69	106.71
13	u	511	CLA	C4A-NA-C1A	6.65	109.69	106.71
13	2	505	CLA	C4A-NA-C1A	6.64	109.69	106.71
13	3	505	CLA	C4A-NA-C1A	6.64	109.69	106.71
13	2	506	CLA	C4A-NA-C1A	6.64	109.69	106.71
13	e	1013	CLA	C4A-NA-C1A	6.64	109.69	106.71
13	j	1301	CLA	C4A-NA-C1A	6.64	109.69	106.71
13	c	511	CLA	C4A-NA-C1A	6.63	109.69	106.71
13	G	1013	CLA	C4A-NA-C1A	6.63	109.69	106.71
13	e	1110	CLA	C4A-NA-C1A	6.63	109.69	106.71
13	v	513	CLA	C4A-NA-C1A	6.63	109.69	106.71
13	d	508	CLA	C4A-NA-C1A	6.63	109.69	106.71
13	2	512	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	a	505	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	5	509	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	5	519	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	a	503	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	5	511	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	A	1013	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	c	504	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	Z	506	CLA	C4A-NA-C1A	6.62	109.68	106.71
13	U	1401	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	q	517	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	K	1401	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	v	517	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	Y	519	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	s	510	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	t	503	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	v	508	CLA	C4A-NA-C1A	6.61	109.68	106.71
13	a	517	CLA	C4A-NA-C1A	6.60	109.67	106.71
13	A	1131	CLA	C4A-NA-C1A	6.60	109.67	106.71
13	e	1119	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	A	1110	CLA	C4A-NA-C1A	6.59	109.67	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	3	517	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	6	517	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	r	512	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	3	503	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	6	508	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	v	518	CLA	C4A-NA-C1A	6.59	109.67	106.71
13	Z	512	CLA	C4A-NA-C1A	6.58	109.66	106.71
13	q	506	CLA	C4A-NA-C1A	6.58	109.66	106.71
13	d	511	CLA	C4A-NA-C1A	6.58	109.66	106.71
13	c	518	CLA	C4A-NA-C1A	6.58	109.66	106.71
13	G	1237	CLA	C4A-NA-C1A	6.57	109.66	106.71
13	6	518	CLA	C4A-NA-C1A	6.57	109.66	106.71
13	s	517	CLA	C4A-NA-C1A	6.57	109.66	106.71
13	u	518	CLA	C4A-NA-C1A	6.57	109.66	106.71
13	A	1237	CLA	C4A-NA-C1A	6.57	109.66	106.71
13	6	509	CLA	C4A-NA-C1A	6.56	109.66	106.71
13	d	509	CLA	C4A-NA-C1A	6.56	109.66	106.71
13	6	513	CLA	C4A-NA-C1A	6.56	109.66	106.71
13	r	503	CLA	C4A-NA-C1A	6.56	109.65	106.71
13	s	503	CLA	C4A-NA-C1A	6.56	109.65	106.71
13	A	1119	CLA	C4A-NA-C1A	6.55	109.65	106.71
13	1	519	CLA	C4A-NA-C1A	6.55	109.65	106.71
13	B	1240	CLA	C4A-NA-C1A	6.55	109.65	106.71
13	2	503	CLA	C4A-NA-C1A	6.55	109.65	106.71
13	q	519	CLA	C4A-NA-C1A	6.54	109.65	106.71
13	G	1110	CLA	C4A-NA-C1A	6.53	109.64	106.71
13	r	505	CLA	C4A-NA-C1A	6.53	109.64	106.71
13	d	513	CLA	C4A-NA-C1A	6.53	109.64	106.71
13	H	1240	CLA	C4A-NA-C1A	6.53	109.64	106.71
13	5	518	CLA	C4A-NA-C1A	6.52	109.64	106.71
13	1	506	CLA	C4A-NA-C1A	6.52	109.64	106.71
13	1	512	CLA	C4A-NA-C1A	6.52	109.64	106.71
13	H	1217	CLA	C4A-NA-C1A	6.52	109.64	106.71
13	f	1217	CLA	C4A-NA-C1A	6.52	109.64	106.71
13	f	1240	CLA	C4A-NA-C1A	6.51	109.64	106.71
13	t	511	CLA	C4A-NA-C1A	6.51	109.64	106.71
13	d	517	CLA	C4A-NA-C1A	6.51	109.63	106.71
13	e	1237	CLA	C4A-NA-C1A	6.51	109.63	106.71
13	Y	512	CLA	C4A-NA-C1A	6.50	109.63	106.71
13	4	511	CLA	C4A-NA-C1A	6.49	109.63	106.71
13	Y	506	CLA	C4A-NA-C1A	6.49	109.62	106.71
13	B	1217	CLA	C4A-NA-C1A	6.49	109.62	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	q	512	CLA	C4A-NA-C1A	6.48	109.62	106.71
13	G	1119	CLA	C4A-NA-C1A	6.47	109.61	106.71
13	Z	503	CLA	C4A-NA-C1A	6.46	109.61	106.71
13	b	505	CLA	C4A-NA-C1A	6.45	109.61	106.71
13	b	511	CLA	C4A-NA-C1A	6.45	109.60	106.71
13	H	1236	CLA	C4A-NA-C1A	6.44	109.60	106.71
13	v	510	CLA	C4A-NA-C1A	6.44	109.60	106.71
13	G	1111	CLA	C4A-NA-C1A	6.43	109.60	106.71
13	2	508	CLA	C4A-NA-C1A	6.43	109.60	106.71
13	B	1236	CLA	C4A-NA-C1A	6.43	109.59	106.71
13	c	512	CLA	C4A-NA-C1A	6.43	109.59	106.71
13	f	1236	CLA	C4A-NA-C1A	6.42	109.59	106.71
13	u	512	CLA	C4A-NA-C1A	6.42	109.59	106.71
13	r	508	CLA	C4A-NA-C1A	6.40	109.58	106.71
13	e	1111	CLA	C4A-NA-C1A	6.39	109.58	106.71
13	3	516	CLA	C4A-NA-C1A	6.39	109.58	106.71
13	4	505	CLA	C4A-NA-C1A	6.38	109.58	106.71
13	t	505	CLA	C4A-NA-C1A	6.38	109.57	106.71
13	A	1111	CLA	C4A-NA-C1A	6.37	109.57	106.71
13	G	1116	CLA	C4A-NA-C1A	6.36	109.56	106.71
13	d	516	CLA	C4A-NA-C1A	6.35	109.56	106.71
13	5	512	CLA	C4A-NA-C1A	6.35	109.56	106.71
13	6	510	CLA	C4A-NA-C1A	6.35	109.56	106.71
13	e	1127	CLA	C4A-NA-C1A	6.35	109.56	106.71
13	G	1121	CLA	C4A-NA-C1A	6.34	109.56	106.71
13	s	516	CLA	C4A-NA-C1A	6.34	109.56	106.71
13	Z	508	CLA	C4A-NA-C1A	6.33	109.55	106.71
13	a	516	CLA	C4A-NA-C1A	6.33	109.55	106.71
13	G	1124	CLA	C4A-NA-C1A	6.33	109.55	106.71
13	q	510	CLA	C4A-NA-C1A	6.33	109.55	106.71
13	B	1232	CLA	CMB-C2B-C1B	-6.33	118.74	128.46
13	H	1232	CLA	CMB-C2B-C1B	-6.33	118.74	128.46
13	4	508	CLA	C4A-NA-C1A	6.33	109.55	106.71
13	G	1127	CLA	C4A-NA-C1A	6.33	109.55	106.71
13	A	1121	CLA	C4A-NA-C1A	6.32	109.55	106.71
13	6	516	CLA	C4A-NA-C1A	6.32	109.55	106.71
13	G	1129	CLA	C4A-NA-C1A	6.32	109.55	106.71
13	f	1234	CLA	C4A-NA-C1A	6.32	109.55	106.71
13	v	516	CLA	C4A-NA-C1A	6.32	109.55	106.71
13	a	508	CLA	C4A-NA-C1A	6.32	109.55	106.71
13	f	1232	CLA	CMB-C2B-C1B	-6.32	118.75	128.46
13	B	1234	CLA	C4A-NA-C1A	6.30	109.54	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	1	510	CLA	C4A-NA-C1A	6.29	109.53	106.71
13	H	1234	CLA	CMB-C2B-C1B	-6.29	118.80	128.46
13	B	1234	CLA	CMB-C2B-C1B	-6.29	118.80	128.46
13	A	1116	CLA	C4A-NA-C1A	6.28	109.53	106.71
13	A	1129	CLA	C4A-NA-C1A	6.28	109.53	106.71
13	A	1124	CLA	C4A-NA-C1A	6.28	109.53	106.71
13	u	517	CLA	C4A-NA-C1A	6.27	109.53	106.71
13	f	1234	CLA	CMB-C2B-C1B	-6.27	118.82	128.46
13	3	508	CLA	C4A-NA-C1A	6.27	109.53	106.71
13	b	508	CLA	C4A-NA-C1A	6.26	109.52	106.71
13	5	517	CLA	C4A-NA-C1A	6.26	109.52	106.71
13	A	1127	CLA	C4A-NA-C1A	6.26	109.52	106.71
13	e	1129	CLA	C4A-NA-C1A	6.26	109.52	106.71
13	t	508	CLA	C4A-NA-C1A	6.26	109.52	106.71
13	U	1103	CLA	C4A-NA-C1A	6.25	109.51	106.71
13	d	510	CLA	C4A-NA-C1A	6.24	109.51	106.71
13	H	1238	CLA	C4A-NA-C1A	6.24	109.51	106.71
13	e	1121	CLA	C4A-NA-C1A	6.23	109.51	106.71
13	B	1238	CLA	C4A-NA-C1A	6.23	109.51	106.71
13	c	517	CLA	C4A-NA-C1A	6.23	109.51	106.71
13	A	1135	CLA	C4A-NA-C1A	6.22	109.50	106.71
13	2	519	CLA	C4A-NA-C1A	6.22	109.50	106.71
13	e	1011	CLA	C4A-NA-C1A	6.21	109.50	106.71
13	e	1116	CLA	C4A-NA-C1A	6.21	109.50	106.71
13	Y	510	CLA	C4A-NA-C1A	6.21	109.50	106.71
13	A	1011	CLA	C4A-NA-C1A	6.21	109.50	106.71
13	G	1011	CLA	C4A-NA-C1A	6.21	109.50	106.71
13	m	1103	CLA	C4A-NA-C1A	6.21	109.50	106.71
13	s	508	CLA	C4A-NA-C1A	6.20	109.49	106.71
16	V	4020	BCR	C24-C23-C22	-6.19	116.88	126.23
16	L	4020	BCR	C24-C23-C22	-6.19	116.89	126.23
13	K	1103	CLA	C4A-NA-C1A	6.18	109.49	106.71
13	H	1234	CLA	C4A-NA-C1A	6.18	109.48	106.71
13	f	1238	CLA	C4A-NA-C1A	6.18	109.48	106.71
16	n	4020	BCR	C24-C23-C22	-6.18	116.90	126.23
13	Z	519	CLA	C4A-NA-C1A	6.18	109.48	106.71
13	B	1229	CLA	C4A-NA-C1A	6.17	109.48	106.71
13	e	1124	CLA	C4A-NA-C1A	6.16	109.48	106.71
13	G	1135	CLA	C4A-NA-C1A	6.14	109.47	106.71
13	e	1135	CLA	C4A-NA-C1A	6.14	109.47	106.71
13	A	1130	CLA	C4A-NA-C1A	6.14	109.47	106.71
13	f	1225	CLA	C4A-NA-C1A	6.14	109.47	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1229	CLA	C4A-NA-C1A	6.13	109.46	106.71
13	r	519	CLA	C4A-NA-C1A	6.13	109.46	106.71
13	f	1229	CLA	C4A-NA-C1A	6.13	109.46	106.71
13	e	1108	CLA	C4A-NA-C1A	6.12	109.46	106.71
13	Z	510	CLA	C4A-NA-C1A	6.11	109.45	106.71
13	t	516	CLA	C4A-NA-C1A	6.10	109.45	106.71
16	G	4007	BCR	C3-C4-C5	-6.10	103.18	114.08
13	H	1226	CLA	C4A-NA-C1A	6.10	109.45	106.71
13	f	1203	CLA	C4A-NA-C1A	6.10	109.45	106.71
13	B	1226	CLA	C4A-NA-C1A	6.09	109.45	106.71
16	A	4007	BCR	C3-C4-C5	-6.09	103.20	114.08
13	B	1225	CLA	C4A-NA-C1A	6.09	109.44	106.71
13	b	516	CLA	C4A-NA-C1A	6.08	109.44	106.71
13	G	1130	CLA	C4A-NA-C1A	6.08	109.44	106.71
13	e	1107	CLA	C4A-NA-C1A	6.08	109.44	106.71
13	B	1203	CLA	C4A-NA-C1A	6.08	109.44	106.71
13	e	1130	CLA	C4A-NA-C1A	6.08	109.44	106.71
16	e	4007	BCR	C3-C4-C5	-6.08	103.22	114.08
13	4	516	CLA	C4A-NA-C1A	6.08	109.44	106.71
13	A	1108	CLA	C4A-NA-C1A	6.07	109.43	106.71
13	H	1203	CLA	C4A-NA-C1A	6.07	109.43	106.71
13	G	1107	CLA	C4A-NA-C1A	6.06	109.43	106.71
13	f	1226	CLA	C4A-NA-C1A	6.06	109.43	106.71
13	A	1107	CLA	C4A-NA-C1A	6.03	109.42	106.71
13	G	1108	CLA	C4A-NA-C1A	6.02	109.41	106.71
13	2	510	CLA	C4A-NA-C1A	6.02	109.41	106.71
13	r	510	CLA	C4A-NA-C1A	5.99	109.40	106.71
13	1	516	CLA	C4A-NA-C1A	5.97	109.39	106.71
13	H	1225	CLA	C4A-NA-C1A	5.97	109.39	106.71
16	B	4010	BCR	C15-C14-C13	-5.93	118.84	127.31
13	q	516	CLA	C4A-NA-C1A	5.93	109.37	106.71
13	f	1238	CLA	CMB-C2B-C1B	-5.93	119.35	128.46
16	G	4008	BCR	C24-C23-C22	-5.93	117.27	126.23
16	f	4010	BCR	C15-C14-C13	-5.92	118.86	127.31
16	A	4008	BCR	C24-C23-C22	-5.92	117.29	126.23
13	B	1238	CLA	CMB-C2B-C1B	-5.92	119.37	128.46
13	H	1238	CLA	CMB-C2B-C1B	-5.92	119.37	128.46
16	H	4010	BCR	C15-C14-C13	-5.91	118.88	127.31
16	e	4008	BCR	C24-C23-C22	-5.91	117.31	126.23
13	G	1140	CLA	C4A-NA-C1A	5.89	109.36	106.71
16	l	4013	BCR	C20-C21-C22	-5.89	118.90	127.31
13	e	1022	CLA	C4A-NA-C1A	5.89	109.35	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	J	4013	BCR	C20-C21-C22	-5.89	118.91	127.31
16	T	4013	BCR	C20-C21-C22	-5.89	118.91	127.31
13	e	1140	CLA	C4A-NA-C1A	5.89	109.35	106.71
13	Y	516	CLA	C4A-NA-C1A	5.88	109.35	106.71
16	v	524	BCR	C7-C8-C9	-5.87	117.36	126.23
13	A	1022	CLA	C4A-NA-C1A	5.87	109.34	106.71
13	H	1222	CLA	C4A-NA-C1A	5.87	109.34	106.71
13	A	1140	CLA	C4A-NA-C1A	5.86	109.34	106.71
13	G	1022	CLA	C4A-NA-C1A	5.84	109.33	106.71
16	6	524	BCR	C7-C8-C9	-5.83	117.42	126.23
16	d	524	BCR	C7-C8-C9	-5.83	117.42	126.23
13	f	1219	CLA	C4A-NA-C1A	5.82	109.32	106.71
13	B	1219	CLA	C4A-NA-C1A	5.82	109.32	106.71
13	B	1222	CLA	C4A-NA-C1A	5.82	109.32	106.71
13	f	1222	CLA	C4A-NA-C1A	5.77	109.30	106.71
13	H	1219	CLA	C4A-NA-C1A	5.75	109.29	106.71
13	e	1139	CLA	C4A-NA-C1A	5.72	109.28	106.71
16	H	4006	BCR	C7-C8-C9	-5.66	117.68	126.23
16	B	4006	BCR	C7-C8-C9	-5.65	117.70	126.23
13	G	1139	CLA	C4A-NA-C1A	5.64	109.24	106.71
16	f	4006	BCR	C7-C8-C9	-5.63	117.73	126.23
13	A	1139	CLA	C4A-NA-C1A	5.59	109.22	106.71
13	B	1012	CLA	CMB-C2B-C1B	-5.59	119.87	128.46
13	H	1012	CLA	CMB-C2B-C1B	-5.59	119.88	128.46
13	f	1012	CLA	CMB-C2B-C1B	-5.58	119.89	128.46
13	H	1221	CLA	CMB-C2B-C1B	-5.57	119.90	128.46
13	e	1126	CLA	CMB-C2B-C1B	-5.56	119.92	128.46
13	B	1221	CLA	CMB-C2B-C1B	-5.55	119.93	128.46
13	A	1132	CLA	C4A-NA-C1A	5.55	109.20	106.71
13	H	1229	CLA	CMB-C2B-C1B	-5.54	119.94	128.46
13	f	1221	CLA	CMB-C2B-C1B	-5.54	119.95	128.46
13	B	1229	CLA	CMB-C2B-C1B	-5.54	119.95	128.46
13	A	1126	CLA	CMB-C2B-C1B	-5.54	119.95	128.46
13	G	1126	CLA	CMB-C2B-C1B	-5.53	119.96	128.46
13	f	1229	CLA	CMB-C2B-C1B	-5.53	119.97	128.46
13	a	508	CLA	CMB-C2B-C1B	-5.50	120.00	128.46
13	3	508	CLA	CMB-C2B-C1B	-5.50	120.01	128.46
13	G	1132	CLA	C4A-NA-C1A	5.50	109.18	106.71
13	G	1128	CLA	C4A-NA-C1A	5.47	109.17	106.71
13	s	508	CLA	CMB-C2B-C1B	-5.47	120.06	128.46
13	e	1132	CLA	C4A-NA-C1A	5.45	109.16	106.71
13	A	1128	CLA	C4A-NA-C1A	5.44	109.15	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1128	CLA	C4A-NA-C1A	5.44	109.15	106.71
13	H	1228	CLA	CMB-C2B-C1B	-5.42	120.13	128.46
13	B	1228	CLA	CMB-C2B-C1B	-5.42	120.13	128.46
13	f	1228	CLA	CMB-C2B-C1B	-5.40	120.17	128.46
13	H	1023	CLA	CMB-C2B-C1B	-5.37	120.22	128.46
13	B	1023	CLA	CMB-C2B-C1B	-5.36	120.22	128.46
16	G	4008	BCR	C20-C21-C22	-5.35	119.67	127.31
13	f	1023	CLA	CMB-C2B-C1B	-5.34	120.26	128.46
16	A	4008	BCR	C20-C21-C22	-5.33	119.70	127.31
13	e	1013	CLA	CMB-C2B-C3B	5.33	134.65	124.68
13	A	1013	CLA	CMB-C2B-C3B	5.33	134.65	124.68
16	e	4008	BCR	C20-C21-C22	-5.33	119.71	127.31
16	B	4006	BCR	C24-C23-C22	-5.32	118.19	126.23
13	H	1202	CLA	CMB-C2B-C1B	-5.32	120.29	128.46
13	f	1202	CLA	CMB-C2B-C1B	-5.31	120.30	128.46
16	H	4006	BCR	C24-C23-C22	-5.31	118.21	126.23
13	G	1013	CLA	CMB-C2B-C3B	5.30	134.60	124.68
16	f	4006	BCR	C24-C23-C22	-5.30	118.23	126.23
13	H	1234	CLA	CMB-C2B-C3B	5.30	134.59	124.68
16	H	4004	BCR	C20-C21-C22	-5.29	119.76	127.31
13	B	1202	CLA	CMB-C2B-C1B	-5.29	120.33	128.46
13	B	1234	CLA	CMB-C2B-C3B	5.29	134.57	124.68
16	f	4004	BCR	C20-C21-C22	-5.28	119.77	127.31
16	B	4004	BCR	C20-C21-C22	-5.26	119.80	127.31
13	f	1234	CLA	CMB-C2B-C3B	5.26	134.52	124.68
13	G	1135	CLA	CMB-C2B-C1B	-5.23	120.43	128.46
13	A	1135	CLA	CMB-C2B-C1B	-5.21	120.46	128.46
13	e	1135	CLA	CMB-C2B-C1B	-5.20	120.47	128.46
16	J	4015	BCR	C7-C8-C9	-5.18	118.40	126.23
16	l	4015	BCR	C7-C8-C9	-5.17	118.42	126.23
16	T	4015	BCR	C7-C8-C9	-5.17	118.42	126.23
16	L	4022	BCR	C1-C6-C5	-5.17	115.34	122.61
13	Y	508	CLA	CMB-C2B-C1B	-5.15	120.55	128.46
16	V	4022	BCR	C1-C6-C5	-5.15	115.36	122.61
13	l	508	CLA	CMB-C2B-C1B	-5.14	120.56	128.46
16	n	4022	BCR	C1-C6-C5	-5.14	115.37	122.61
13	q	508	CLA	CMB-C2B-C1B	-5.14	120.56	128.46
16	R	4016	BCR	C15-C14-C13	-5.14	119.98	127.31
14	A	2001	PQN	C14-C13-C12	-5.13	110.52	123.68
16	j	4016	BCR	C15-C14-C13	-5.13	119.99	127.31
13	e	1119	CLA	CMB-C2B-C1B	-5.13	120.58	128.46
16	F	4016	BCR	C15-C14-C13	-5.12	120.00	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	2001	PQN	C14-C13-C12	-5.12	110.55	123.68
20	V	5216	SQD	O7-S-C6	5.12	113.02	106.94
14	G	2001	PQN	C14-C13-C12	-5.12	110.56	123.68
13	A	1119	CLA	CMB-C2B-C1B	-5.11	120.61	128.46
13	G	1116	CLA	CMB-C2B-C1B	-5.11	120.61	128.46
13	G	1119	CLA	CMB-C2B-C1B	-5.11	120.61	128.46
13	A	1116	CLA	CMB-C2B-C1B	-5.10	120.63	128.46
16	e	4011	BCR	C7-C8-C9	-5.10	118.54	126.23
20	L	5216	SQD	O7-S-C6	5.09	112.99	106.94
13	e	1116	CLA	CMB-C2B-C1B	-5.09	120.65	128.46
16	G	4011	BCR	C7-C8-C9	-5.08	118.56	126.23
16	A	4011	BCR	C7-C8-C9	-5.08	118.56	126.23
13	f	1225	CLA	CMB-C2B-C1B	-5.07	120.67	128.46
16	l	4013	BCR	C16-C17-C18	-5.07	120.07	127.31
14	H	2002	PQN	C14-C13-C12	-5.06	110.69	123.68
13	H	1225	CLA	CMB-C2B-C1B	-5.06	120.69	128.46
20	n	5216	SQD	O7-S-C6	5.06	112.95	106.94
13	B	1225	CLA	CMB-C2B-C1B	-5.05	120.70	128.46
14	B	2002	PQN	C14-C13-C12	-5.05	110.72	123.68
13	q	516	CLA	CAC-C3C-C4C	5.05	131.36	124.81
13	H	1232	CLA	CMB-C2B-C3B	5.04	134.12	124.68
16	T	4013	BCR	C16-C17-C18	-5.04	120.11	127.31
14	f	2002	PQN	C14-C13-C12	-5.04	110.74	123.68
13	a	506	CLA	CMB-C2B-C1B	-5.04	120.71	128.46
16	H	4014	BCR	C24-C23-C22	-5.04	118.62	126.23
16	B	4014	BCR	C24-C23-C22	-5.04	118.63	126.23
16	J	4013	BCR	C16-C17-C18	-5.03	120.12	127.31
13	B	1232	CLA	CMB-C2B-C3B	5.03	134.09	124.68
13	l	516	CLA	CAC-C3C-C4C	5.03	131.34	124.81
13	f	1232	CLA	CMB-C2B-C3B	5.03	134.09	124.68
16	V	4219	BCR	C15-C14-C13	-5.02	120.14	127.31
13	Y	516	CLA	CAC-C3C-C4C	5.02	131.32	124.81
13	3	506	CLA	CMB-C2B-C1B	-5.01	120.76	128.46
16	n	4219	BCR	C15-C14-C13	-5.01	120.16	127.31
13	e	1127	CLA	CMB-C2B-C1B	-5.01	120.76	128.46
13	s	506	CLA	CMB-C2B-C1B	-5.01	120.77	128.46
13	G	1127	CLA	CMB-C2B-C1B	-5.00	120.78	128.46
13	A	1127	CLA	CMB-C2B-C1B	-5.00	120.78	128.46
16	L	4219	BCR	C15-C14-C13	-5.00	120.18	127.31
13	G	1105	CLA	CMB-C2B-C1B	-5.00	120.79	128.46
16	f	4014	BCR	C24-C23-C22	-4.99	118.69	126.23
13	A	1105	CLA	CMB-C2B-C1B	-4.98	120.80	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1105	CLA	CMB-C2B-C1B	-4.98	120.81	128.46
16	G	4007	BCR	C28-C27-C26	-4.96	105.21	114.08
16	A	4007	BCR	C28-C27-C26	-4.96	105.21	114.08
13	f	1201	CLA	CMB-C2B-C1B	-4.96	120.83	128.46
16	e	4007	BCR	C28-C27-C26	-4.96	105.22	114.08
13	H	1201	CLA	CMB-C2B-C1B	-4.96	120.84	128.46
13	f	1223	CLA	CMB-C2B-C1B	-4.96	120.85	128.46
13	e	1102	CLA	CMB-C2B-C1B	-4.96	120.85	128.46
13	A	1102	CLA	CMB-C2B-C1B	-4.95	120.85	128.46
13	B	1201	CLA	CMB-C2B-C1B	-4.95	120.85	128.46
13	e	1126	CLA	CMB-C2B-C3B	4.95	133.94	124.68
16	G	4002	BCR	C16-C17-C18	-4.95	120.25	127.31
13	s	516	CLA	CAC-C3C-C4C	4.94	131.23	124.81
13	3	516	CLA	CAC-C3C-C4C	4.94	131.22	124.81
13	a	516	CLA	CAC-C3C-C4C	4.94	131.22	124.81
13	B	1223	CLA	CMB-C2B-C1B	-4.93	120.88	128.46
13	H	1223	CLA	CMB-C2B-C1B	-4.93	120.88	128.46
16	e	4002	BCR	C16-C17-C18	-4.93	120.28	127.31
13	G	1102	CLA	CMB-C2B-C1B	-4.93	120.89	128.46
16	V	4022	BCR	C7-C8-C9	-4.93	118.79	126.23
13	A	1126	CLA	CMB-C2B-C3B	4.92	133.89	124.68
16	A	4002	BCR	C16-C17-C18	-4.92	120.29	127.31
13	G	1126	CLA	CMB-C2B-C3B	4.92	133.88	124.68
13	H	1012	CLA	C4A-NA-C1A	4.92	108.92	106.71
13	f	1012	CLA	C4A-NA-C1A	4.91	108.92	106.71
16	n	4022	BCR	C7-C8-C9	-4.91	118.81	126.23
13	c	509	CLA	CMB-C2B-C1B	-4.91	120.92	128.46
16	L	4022	BCR	C7-C8-C9	-4.90	118.83	126.23
20	B	1852	SQD	O7-S-C6	4.90	112.76	106.94
13	u	509	CLA	CMB-C2B-C1B	-4.89	120.95	128.46
20	f	1852	SQD	O7-S-C6	4.89	112.75	106.94
13	5	509	CLA	CMB-C2B-C1B	-4.89	120.95	128.46
13	b	508	CLA	CMB-C2B-C1B	-4.89	120.95	128.46
20	H	1852	SQD	O7-S-C6	4.87	112.73	106.94
13	H	1226	CLA	CMB-C2B-C3B	4.87	133.78	124.68
13	4	508	CLA	CMB-C2B-C1B	-4.86	120.99	128.46
13	t	508	CLA	CMB-C2B-C1B	-4.86	120.99	128.46
13	B	1012	CLA	C4A-NA-C1A	4.86	108.89	106.71
13	B	1226	CLA	CMB-C2B-C3B	4.86	133.77	124.68
13	H	1012	CLA	CMB-C2B-C3B	4.84	133.74	124.68
13	f	1012	CLA	CMB-C2B-C3B	4.84	133.73	124.68
13	B	1012	CLA	CMB-C2B-C3B	4.84	133.73	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1117	CLA	O2D-CGD-O1D	-4.84	114.38	123.84
13	f	1226	CLA	CMB-C2B-C3B	4.84	133.73	124.68
13	f	1238	CLA	CMB-C2B-C3B	4.83	133.72	124.68
13	B	1215	CLA	CMB-C2B-C1B	-4.83	121.04	128.46
13	f	1215	CLA	CMB-C2B-C1B	-4.83	121.05	128.46
13	B	1238	CLA	CMB-C2B-C3B	4.83	133.71	124.68
13	A	1117	CLA	O2D-CGD-O1D	-4.83	114.40	123.84
13	e	1117	CLA	O2D-CGD-O1D	-4.82	114.41	123.84
13	H	1238	CLA	CMB-C2B-C3B	4.82	133.70	124.68
13	e	1123	CLA	CMB-C2B-C1B	-4.82	121.06	128.46
13	r	508	CLA	CMB-C2B-C1B	-4.82	121.06	128.46
13	2	508	CLA	CMB-C2B-C1B	-4.82	121.06	128.46
13	H	1215	CLA	CMB-C2B-C1B	-4.81	121.07	128.46
13	G	1130	CLA	CMB-C2B-C1B	-4.81	121.07	128.46
13	A	1123	CLA	CMB-C2B-C1B	-4.80	121.08	128.46
13	Z	508	CLA	CMB-C2B-C1B	-4.80	121.08	128.46
13	f	1206	CLA	CMB-C2B-C1B	-4.80	121.09	128.46
13	G	1123	CLA	CMB-C2B-C1B	-4.79	121.09	128.46
13	A	1130	CLA	CMB-C2B-C1B	-4.79	121.10	128.46
13	e	1130	CLA	CMB-C2B-C1B	-4.79	121.10	128.46
13	f	1229	CLA	CMB-C2B-C3B	4.78	133.62	124.68
13	B	1229	CLA	CMB-C2B-C3B	4.78	133.62	124.68
13	B	1023	CLA	CAC-C3C-C4C	4.78	131.01	124.81
13	G	1801	CLA	CMB-C2B-C1B	-4.77	121.13	128.46
13	B	1206	CLA	CMB-C2B-C1B	-4.77	121.13	128.46
13	H	1229	CLA	CMB-C2B-C3B	4.77	133.60	124.68
13	A	1801	CLA	CMB-C2B-C1B	-4.77	121.14	128.46
13	q	506	CLA	CMB-C2B-C1B	-4.77	121.14	128.46
13	f	1023	CLA	CAC-C3C-C4C	4.76	130.99	124.81
13	e	1801	CLA	CMB-C2B-C1B	-4.76	121.15	128.46
13	Y	506	CLA	CMB-C2B-C1B	-4.75	121.16	128.46
13	l	506	CLA	CMB-C2B-C1B	-4.75	121.16	128.46
13	a	509	CLA	CMB-C2B-C1B	-4.75	121.16	128.46
13	H	1023	CLA	CAC-C3C-C4C	4.75	130.97	124.81
13	3	509	CLA	CMB-C2B-C1B	-4.75	121.17	128.46
13	H	1206	CLA	CMB-C2B-C1B	-4.74	121.18	128.46
13	s	509	CLA	CMB-C2B-C1B	-4.73	121.19	128.46
13	B	1211	CLA	CMB-C2B-C1B	-4.72	121.21	128.46
13	A	1113	CLA	CMB-C2B-C1B	-4.72	121.21	128.46
13	e	1113	CLA	CMB-C2B-C1B	-4.72	121.21	128.46
13	G	1113	CLA	CMB-C2B-C1B	-4.71	121.23	128.46
13	H	1211	CLA	CMB-C2B-C1B	-4.71	121.23	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1023	CLA	CMB-C2B-C3B	4.71	133.48	124.68
13	f	1211	CLA	CMB-C2B-C1B	-4.70	121.23	128.46
13	G	1135	CLA	CMB-C2B-C3B	4.70	133.48	124.68
13	e	1135	CLA	CMB-C2B-C3B	4.70	133.47	124.68
13	H	1023	CLA	CMB-C2B-C3B	4.69	133.46	124.68
13	f	1023	CLA	CMB-C2B-C3B	4.69	133.46	124.68
13	A	1135	CLA	CMB-C2B-C3B	4.69	133.46	124.68
16	G	4002	BCR	C7-C8-C9	-4.69	119.15	126.23
13	s	501	CLA	CMB-C2B-C1B	-4.68	121.26	128.46
13	f	1226	CLA	C2D-C1D-ND	-4.68	106.65	110.10
13	3	501	CLA	CMB-C2B-C1B	-4.68	121.27	128.46
16	A	4002	BCR	C7-C8-C9	-4.68	119.17	126.23
16	u	522	BCR	C15-C14-C13	-4.68	120.63	127.31
16	f	4010	BCR	C15-C16-C17	-4.68	113.89	123.47
13	a	501	CLA	CMB-C2B-C1B	-4.68	121.28	128.46
16	H	4010	BCR	C15-C16-C17	-4.68	113.89	123.47
16	a	524	BCR	C15-C14-C13	-4.68	120.64	127.31
16	B	4010	BCR	C15-C16-C17	-4.67	113.90	123.47
16	c	522	BCR	C15-C14-C13	-4.66	120.65	127.31
13	2	510	CLA	CMB-C2B-C1B	-4.66	121.30	128.46
16	e	4002	BCR	C7-C8-C9	-4.66	119.19	126.23
16	5	522	BCR	C15-C14-C13	-4.66	120.66	127.31
16	s	524	BCR	C15-C14-C13	-4.66	120.66	127.31
13	r	506	CLA	CMB-C2B-C1B	-4.66	121.31	128.46
16	3	524	BCR	C15-C14-C13	-4.65	120.67	127.31
13	r	510	CLA	CMB-C2B-C1B	-4.65	121.32	128.46
13	Z	506	CLA	CMB-C2B-C1B	-4.64	121.33	128.46
13	2	506	CLA	CMB-C2B-C1B	-4.64	121.33	128.46
13	A	1104	CLA	CMB-C2B-C1B	-4.64	121.33	128.46
13	e	1104	CLA	CMB-C2B-C1B	-4.64	121.33	128.46
13	Z	510	CLA	CMB-C2B-C1B	-4.64	121.33	128.46
13	G	1104	CLA	CMB-C2B-C1B	-4.63	121.35	128.46
13	B	1226	CLA	C2D-C1D-ND	-4.62	106.70	110.10
13	H	1202	CLA	CMB-C2B-C3B	4.62	133.32	124.68
16	H	4004	BCR	C15-C14-C13	-4.61	120.72	127.31
16	H	4010	BCR	C11-C10-C9	-4.61	120.72	127.31
16	V	4020	BCR	C16-C17-C18	-4.61	120.72	127.31
16	f	4004	BCR	C15-C14-C13	-4.61	120.73	127.31
16	B	4010	BCR	C11-C10-C9	-4.61	120.73	127.31
13	Z	509	CLA	CMB-C2B-C1B	-4.61	121.38	128.46
16	B	4004	BCR	C15-C14-C13	-4.61	120.73	127.31
13	2	509	CLA	CMB-C2B-C1B	-4.61	121.38	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Y	509	CLA	CMB-C2B-C1B	-4.60	121.39	128.46
16	Z	521	BCR	C28-C27-C26	-4.60	105.86	114.08
16	B	4014	BCR	C20-C21-C22	-4.60	120.75	127.31
13	r	509	CLA	CMB-C2B-C1B	-4.60	121.40	128.46
16	f	4010	BCR	C11-C10-C9	-4.59	120.75	127.31
13	A	1011	CLA	O2D-CGD-CBD	4.59	119.43	111.27
16	n	4020	BCR	C16-C17-C18	-4.59	120.75	127.31
13	f	1202	CLA	CMB-C2B-C3B	4.59	133.27	124.68
16	L	4020	BCR	C16-C17-C18	-4.59	120.75	127.31
16	s	523	BCR	C15-C14-C13	-4.59	120.76	127.31
16	3	523	BCR	C15-C14-C13	-4.59	120.76	127.31
13	A	1106	CLA	CMB-C2B-C1B	-4.59	121.41	128.46
16	j	4016	BCR	C11-C10-C9	-4.59	120.76	127.31
13	B	1202	CLA	CMB-C2B-C3B	4.59	133.26	124.68
16	f	4014	BCR	C20-C21-C22	-4.59	120.76	127.31
16	H	4014	BCR	C20-C21-C22	-4.58	120.77	127.31
16	r	521	BCR	C28-C27-C26	-4.58	105.89	114.08
13	G	1011	CLA	O2D-CGD-CBD	4.58	119.41	111.27
16	c	523	BCR	C15-C14-C13	-4.58	120.77	127.31
13	1	509	CLA	CMB-C2B-C1B	-4.58	121.42	128.46
16	V	4019	BCR	C7-C8-C9	-4.58	119.31	126.23
13	G	1106	CLA	CMB-C2B-C1B	-4.58	121.42	128.46
16	5	523	BCR	C15-C14-C13	-4.58	120.77	127.31
16	e	4001	BCR	C16-C17-C18	-4.58	120.77	127.31
16	H	4004	BCR	C16-C17-C18	-4.58	120.77	127.31
16	2	521	BCR	C28-C27-C26	-4.58	105.90	114.08
13	e	1106	CLA	CMB-C2B-C1B	-4.58	121.43	128.46
16	F	4016	BCR	C11-C10-C9	-4.58	120.78	127.31
16	B	4004	BCR	C16-C17-C18	-4.58	120.78	127.31
13	e	1011	CLA	O2D-CGD-CBD	4.57	119.39	111.27
16	A	4001	BCR	C16-C17-C18	-4.57	120.79	127.31
13	q	509	CLA	CMB-C2B-C1B	-4.57	121.44	128.46
16	a	523	BCR	C15-C14-C13	-4.56	120.80	127.31
16	G	4001	BCR	C16-C17-C18	-4.56	120.80	127.31
16	u	523	BCR	C15-C14-C13	-4.56	120.80	127.31
16	f	4004	BCR	C16-C17-C18	-4.56	120.81	127.31
13	f	1231	CLA	CMB-C2B-C1B	-4.55	121.47	128.46
16	R	4016	BCR	C11-C10-C9	-4.55	120.82	127.31
13	H	1221	CLA	CMB-C2B-C3B	4.55	133.19	124.68
13	H	1226	CLA	C2D-C1D-ND	-4.55	106.75	110.10
13	6	508	CLA	CMB-C2B-C1B	-4.54	121.48	128.46
16	L	4019	BCR	C7-C8-C9	-4.54	119.37	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1224	CLA	CMB-C2B-C1B	-4.54	121.49	128.46
13	f	1221	CLA	CMB-C2B-C3B	4.54	133.17	124.68
13	v	508	CLA	CMB-C2B-C1B	-4.54	121.49	128.46
13	B	1221	CLA	CMB-C2B-C3B	4.54	133.17	124.68
16	n	4019	BCR	C7-C8-C9	-4.54	119.38	126.23
13	B	1231	CLA	CMB-C2B-C1B	-4.54	121.49	128.46
13	A	1022	CLA	CMB-C2B-C1B	-4.53	121.50	128.46
16	A	4003	BCR	C7-C8-C9	-4.53	119.39	126.23
13	H	1231	CLA	CMB-C2B-C1B	-4.53	121.50	128.46
16	G	4003	BCR	C7-C8-C9	-4.53	119.40	126.23
16	H	4009	BCR	C7-C8-C9	-4.53	119.40	126.23
13	B	1224	CLA	CMB-C2B-C1B	-4.53	121.51	128.46
13	d	508	CLA	CMB-C2B-C1B	-4.52	121.51	128.46
13	e	1022	CLA	CMB-C2B-C1B	-4.52	121.51	128.46
16	f	4014	BCR	C16-C17-C18	-4.52	120.86	127.31
16	B	4014	BCR	C16-C17-C18	-4.52	120.86	127.31
13	f	1224	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
13	H	1228	CLA	CMB-C2B-C3B	4.52	133.13	124.68
13	e	1103	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
13	G	1022	CLA	CMB-C2B-C1B	-4.51	121.53	128.46
16	v	521	BCR	C16-C17-C18	-4.51	120.87	127.31
16	e	4003	BCR	C7-C8-C9	-4.51	119.42	126.23
13	B	1203	CLA	CMB-C2B-C1B	-4.51	121.54	128.46
13	Y	511	CLA	CMB-C2B-C1B	-4.51	121.54	128.46
16	6	521	BCR	C20-C21-C22	-4.51	120.88	127.31
16	v	521	BCR	C20-C21-C22	-4.50	120.88	127.31
13	f	1212	CLA	CMB-C2B-C1B	-4.50	121.54	128.46
13	B	1228	CLA	CMB-C2B-C3B	4.50	133.10	124.68
16	6	521	BCR	C16-C17-C18	-4.50	120.89	127.31
13	A	1103	CLA	CMB-C2B-C1B	-4.50	121.55	128.46
16	B	4009	BCR	C7-C8-C9	-4.50	119.44	126.23
16	d	521	BCR	C16-C17-C18	-4.50	120.89	127.31
13	G	1103	CLA	CMB-C2B-C1B	-4.50	121.55	128.46
13	f	1203	CLA	CMB-C2B-C1B	-4.50	121.55	128.46
16	f	4009	BCR	C7-C8-C9	-4.50	119.44	126.23
13	B	1212	CLA	CMB-C2B-C1B	-4.50	121.56	128.46
13	B	1222	CLA	CMB-C2B-C1B	-4.49	121.56	128.46
16	H	4014	BCR	C16-C17-C18	-4.49	120.91	127.31
16	m	4104	BCR	C7-C8-C9	-4.49	119.45	126.23
13	f	1222	CLA	CMB-C2B-C1B	-4.49	121.57	128.46
13	f	1228	CLA	CMB-C2B-C3B	4.48	133.07	124.68
13	H	1212	CLA	CMB-C2B-C1B	-4.48	121.58	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	d	521	BCR	C20-C21-C22	-4.48	120.92	127.31
13	H	1203	CLA	CMB-C2B-C1B	-4.48	121.58	128.46
13	A	1120	CLA	CMB-C2B-C1B	-4.47	121.59	128.46
16	s	522	BCR	C15-C14-C13	-4.47	120.93	127.31
13	l	511	CLA	CMB-C2B-C1B	-4.47	121.59	128.46
13	q	511	CLA	CMB-C2B-C1B	-4.47	121.59	128.46
13	e	1114	CLA	CMB-C2B-C1B	-4.47	121.60	128.46
13	G	1120	CLA	CMB-C2B-C1B	-4.47	121.60	128.46
16	K	4104	BCR	C7-C8-C9	-4.46	119.49	126.23
13	H	1222	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
13	e	1120	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
16	3	522	BCR	C15-C14-C13	-4.45	120.96	127.31
13	A	1114	CLA	CMB-C2B-C1B	-4.45	121.63	128.46
16	a	522	BCR	C15-C14-C13	-4.45	120.97	127.31
20	b	822	SQD	O47-C7-C8	4.44	119.26	111.09
13	A	1111	CLA	CMB-C2B-C1B	-4.44	121.65	128.46
20	4	822	SQD	O47-C7-C8	4.43	119.25	111.09
13	G	1114	CLA	CMB-C2B-C1B	-4.43	121.65	128.46
16	3	522	BCR	C11-C10-C9	-4.43	120.98	127.31
13	s	504	CLA	CMB-C2B-C1B	-4.43	121.65	128.46
16	A	4003	BCR	C16-C17-C18	-4.43	120.99	127.31
20	t	822	SQD	O47-C7-C8	4.43	119.24	111.09
13	H	1213	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
13	G	1111	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
13	e	1124	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
16	a	522	BCR	C11-C10-C9	-4.42	121.00	127.31
13	B	1213	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
13	5	508	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
13	f	1213	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
16	U	4104	BCR	C7-C8-C9	-4.42	119.55	126.23
13	e	1117	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
16	l	4012	BCR	C20-C21-C22	-4.42	121.00	127.31
13	e	1111	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
16	q	522	BCR	C11-C10-C9	-4.42	121.00	127.31
13	A	1117	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
13	A	1124	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
13	u	508	CLA	CMB-C2B-C1B	-4.42	121.68	128.46
16	Y	522	BCR	C11-C10-C9	-4.42	121.01	127.31
13	G	1117	CLA	CMB-C2B-C1B	-4.41	121.68	128.46
16	e	4003	BCR	C16-C17-C18	-4.41	121.02	127.31
13	e	1127	CLA	CMB-C2B-C3B	4.41	132.93	124.68
13	3	504	CLA	CMB-C2B-C1B	-4.41	121.69	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	f	4010	BCR	C3-C4-C5	-4.40	106.21	114.08
13	a	504	CLA	CMB-C2B-C1B	-4.40	121.69	128.46
16	s	522	BCR	C11-C10-C9	-4.40	121.03	127.31
13	G	1124	CLA	CMB-C2B-C1B	-4.40	121.70	128.46
16	l	522	BCR	C11-C10-C9	-4.40	121.03	127.31
13	c	508	CLA	CMB-C2B-C1B	-4.40	121.70	128.46
16	B	4010	BCR	C3-C4-C5	-4.40	106.22	114.08
16	4	524	BCR	C15-C14-C13	-4.40	121.03	127.31
20	q	822	SQD	O5-C5-C4	4.40	117.68	109.69
13	A	1127	CLA	CMB-C2B-C3B	4.39	132.90	124.68
20	l	822	SQD	O5-C5-C4	4.39	117.67	109.69
20	Y	822	SQD	O5-C5-C4	4.39	117.67	109.69
13	G	1127	CLA	CMB-C2B-C3B	4.39	132.89	124.68
16	t	524	BCR	C15-C14-C13	-4.39	121.05	127.31
16	H	4010	BCR	C3-C4-C5	-4.39	106.24	114.08
16	S	4018	BCR	C24-C23-C22	-4.38	119.61	126.23
16	G	4003	BCR	C16-C17-C18	-4.38	121.06	127.31
13	G	1116	CLA	CMB-C2B-C3B	4.38	132.87	124.68
13	e	1125	CLA	CMB-C2B-C1B	-4.38	121.74	128.46
20	H	1852	SQD	O5-C5-C4	4.38	117.64	109.69
13	e	1116	CLA	CMB-C2B-C3B	4.37	132.86	124.68
16	T	4012	BCR	C20-C21-C22	-4.37	121.07	127.31
16	J	4012	BCR	C20-C21-C22	-4.37	121.07	127.31
13	A	1116	CLA	CMB-C2B-C3B	4.37	132.85	124.68
13	G	1125	CLA	CMB-C2B-C1B	-4.37	121.75	128.46
13	Z	518	CLA	CMB-C2B-C1B	-4.37	121.75	128.46
16	b	524	BCR	C15-C14-C13	-4.36	121.08	127.31
20	B	1852	SQD	O5-C5-C4	4.36	117.61	109.69
13	r	518	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
16	d	524	BCR	C15-C14-C13	-4.36	121.09	127.31
13	d	504	CLA	CMB-C2B-C1B	-4.36	121.77	128.46
20	f	1852	SQD	O5-C5-C4	4.36	117.61	109.69
16	I	4018	BCR	C24-C23-C22	-4.35	119.66	126.23
13	A	1125	CLA	CMB-C2B-C1B	-4.35	121.77	128.46
16	c	524	BCR	C15-C14-C13	-4.35	121.10	127.31
13	2	518	CLA	CMB-C2B-C1B	-4.35	121.78	128.46
16	6	524	BCR	C15-C14-C13	-4.34	121.11	127.31
13	6	504	CLA	CMB-C2B-C1B	-4.34	121.79	128.46
13	H	1201	CLA	CMB-C2B-C3B	4.34	132.80	124.68
13	f	1201	CLA	CMB-C2B-C3B	4.34	132.79	124.68
16	l	524	BCR	C15-C14-C13	-4.33	121.13	127.31
13	v	504	CLA	CMB-C2B-C1B	-4.33	121.81	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1223	CLA	CMB-C2B-C3B	4.33	132.77	124.68
13	B	1223	CLA	CMB-C2B-C3B	4.33	132.77	124.68
16	5	524	BCR	C15-C14-C13	-4.32	121.14	127.31
16	u	524	BCR	C15-C14-C13	-4.32	121.14	127.31
13	f	1223	CLA	CMB-C2B-C3B	4.32	132.77	124.68
16	v	524	BCR	C15-C14-C13	-4.32	121.14	127.31
16	l	4015	BCR	C15-C14-C13	-4.32	121.14	127.31
13	2	503	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
16	T	4015	BCR	C15-C14-C13	-4.32	121.15	127.31
16	k	4018	BCR	C24-C23-C22	-4.31	119.72	126.23
13	B	1201	CLA	CMB-C2B-C3B	4.31	132.75	124.68
13	H	1225	CLA	CMB-C2B-C3B	4.31	132.75	124.68
13	r	503	CLA	CMB-C2B-C1B	-4.31	121.84	128.46
16	J	4015	BCR	C15-C14-C13	-4.31	121.16	127.31
16	m	4104	BCR	C20-C21-C22	-4.31	121.16	127.31
16	q	524	BCR	C15-C14-C13	-4.30	121.17	127.31
13	B	1225	CLA	CMB-C2B-C3B	4.30	132.73	124.68
16	v	522	BCR	C15-C14-C13	-4.30	121.18	127.31
13	Z	503	CLA	CMB-C2B-C1B	-4.30	121.86	128.46
16	Y	524	BCR	C15-C14-C13	-4.29	121.18	127.31
16	e	4011	BCR	C28-C27-C26	-4.29	106.42	114.08
16	m	4104	BCR	C15-C14-C13	-4.29	121.19	127.31
13	f	1225	CLA	CMB-C2B-C3B	4.29	132.70	124.68
16	U	4104	BCR	C15-C14-C13	-4.29	121.19	127.31
16	U	4104	BCR	C20-C21-C22	-4.28	121.19	127.31
16	K	4104	BCR	C20-C21-C22	-4.28	121.20	127.31
16	Z	524	BCR	C15-C14-C13	-4.28	121.20	127.31
16	G	4011	BCR	C28-C27-C26	-4.28	106.43	114.08
16	A	4011	BCR	C28-C27-C26	-4.28	106.43	114.08
17	B	1842	LHG	O4-P-O5	4.28	133.40	112.24
17	f	1842	LHG	O4-P-O5	4.28	133.40	112.24
16	2	524	BCR	C15-C14-C13	-4.28	121.20	127.31
17	H	1842	LHG	O4-P-O5	4.28	133.39	112.24
13	f	1218	CLA	CMB-C2B-C1B	-4.28	121.89	128.46
13	A	1102	CLA	CMB-C2B-C3B	4.27	132.68	124.68
13	Z	511	CLA	CMB-C2B-C1B	-4.27	121.89	128.46
16	6	522	BCR	C15-C14-C13	-4.27	121.21	127.31
16	K	4104	BCR	C15-C14-C13	-4.27	121.21	127.31
13	2	511	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
13	r	511	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
13	H	1218	CLA	CMB-C2B-C1B	-4.27	121.91	128.46
16	d	522	BCR	C15-C14-C13	-4.27	121.22	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1102	CLA	CMB-C2B-C3B	4.26	132.66	124.68
16	s	522	BCR	C3-C4-C5	-4.26	106.47	114.08
13	B	1218	CLA	CMB-C2B-C1B	-4.26	121.92	128.46
13	G	1102	CLA	CMB-C2B-C3B	4.26	132.64	124.68
16	j	4016	BCR	C24-C23-C22	-4.26	119.80	126.23
17	A	5006	LHG	O4-P-O5	4.26	133.28	112.24
16	a	522	BCR	C3-C4-C5	-4.25	106.48	114.08
16	r	524	BCR	C15-C14-C13	-4.25	121.24	127.31
17	e	5006	LHG	O4-P-O5	4.25	133.27	112.24
16	3	522	BCR	C3-C4-C5	-4.25	106.48	114.08
13	L	1503	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
13	n	1503	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
16	e	4008	BCR	C16-C17-C18	-4.25	121.24	127.31
17	e	5004	LHG	O4-P-O5	4.25	133.24	112.24
16	t	521	BCR	C7-C8-C9	-4.25	119.82	126.23
16	G	4007	BCR	C15-C14-C13	-4.25	121.25	127.31
17	G	5006	LHG	O4-P-O5	4.24	133.22	112.24
17	G	5004	LHG	O4-P-O5	4.24	133.22	112.24
13	V	1503	CLA	CMB-C2B-C1B	-4.24	121.94	128.46
16	n	4019	BCR	C15-C14-C13	-4.24	121.26	127.31
16	G	4008	BCR	C16-C17-C18	-4.24	121.26	127.31
13	A	1107	CLA	CMB-C2B-C1B	-4.24	121.95	128.46
17	A	5004	LHG	O4-P-O5	4.24	133.19	112.24
16	4	521	BCR	C7-C8-C9	-4.24	119.83	126.23
16	5	521	BCR	C20-C21-C22	-4.23	121.27	127.31
16	e	4007	BCR	C15-C14-C13	-4.23	121.27	127.31
13	G	1107	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
16	u	521	BCR	C20-C21-C22	-4.23	121.27	127.31
16	c	521	BCR	C20-C21-C22	-4.23	121.28	127.31
16	A	4007	BCR	C15-C14-C13	-4.23	121.28	127.31
17	G	5009	LHG	O4-P-O5	4.23	133.14	112.24
16	A	4008	BCR	C16-C17-C18	-4.23	121.28	127.31
16	2	521	BCR	C15-C14-C13	-4.23	121.28	127.31
16	L	4019	BCR	C15-C14-C13	-4.23	121.28	127.31
17	A	5009	LHG	O4-P-O5	4.22	133.12	112.24
17	e	5009	LHG	O4-P-O5	4.22	133.12	112.24
16	b	521	BCR	C7-C8-C9	-4.22	119.86	126.23
13	H	1217	CLA	CMB-C2B-C1B	-4.22	121.97	128.46
17	e	5003	LHG	O4-P-O5	4.22	133.11	112.24
17	G	5003	LHG	O4-P-O5	4.22	133.11	112.24
16	F	4016	BCR	C24-C23-C22	-4.22	119.86	126.23
13	e	1107	CLA	CMB-C2B-C1B	-4.21	121.99	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	5003	LHG	O4-P-O5	4.21	133.07	112.24
16	r	521	BCR	C15-C14-C13	-4.21	121.30	127.31
16	R	4016	BCR	C24-C23-C22	-4.21	119.88	126.23
16	V	4019	BCR	C15-C14-C13	-4.21	121.31	127.31
13	a	510	CLA	CMB-C2B-C1B	-4.21	122.00	128.46
13	e	1128	CLA	CMB-C2B-C3B	4.20	132.54	124.68
13	B	1217	CLA	CMB-C2B-C1B	-4.20	122.00	128.46
13	G	1108	CLA	CMB-C2B-C1B	-4.20	122.00	128.46
20	d	822	SQD	O47-C7-C8	4.20	118.82	111.09
13	s	510	CLA	CMB-C2B-C1B	-4.20	122.00	128.46
17	e	5002	LHG	O4-P-O5	4.20	133.01	112.24
13	v	509	CLA	CMB-C2B-C1B	-4.20	122.01	128.46
13	6	509	CLA	CMB-C2B-C1B	-4.20	122.01	128.46
13	f	1217	CLA	CMB-C2B-C1B	-4.20	122.01	128.46
16	q	521	BCR	C16-C17-C18	-4.20	121.32	127.31
17	A	5002	LHG	O4-P-O5	4.20	132.99	112.24
16	k	4018	BCR	C7-C8-C9	-4.20	119.89	126.23
16	S	4018	BCR	C7-C8-C9	-4.19	119.90	126.23
17	G	5002	LHG	O4-P-O5	4.19	132.97	112.24
17	L	5218	LHG	O4-P-O5	4.19	132.97	112.24
17	n	5218	LHG	O4-P-O5	4.19	132.96	112.24
20	u	822	SQD	O9-S-C6	4.19	111.92	106.94
17	V	5218	LHG	O4-P-O5	4.19	132.95	112.24
13	3	510	CLA	CMB-C2B-C1B	-4.19	122.03	128.46
13	d	509	CLA	CMB-C2B-C1B	-4.19	122.03	128.46
20	c	822	SQD	O9-S-C6	4.19	111.91	106.94
16	Z	521	BCR	C15-C14-C13	-4.18	121.34	127.31
13	G	1128	CLA	CMB-C2B-C3B	4.18	132.51	124.68
13	A	1128	CLA	CMB-C2B-C3B	4.18	132.50	124.68
16	I	4018	BCR	C7-C8-C9	-4.18	119.92	126.23
20	5	822	SQD	O9-S-C6	4.18	111.91	106.94
16	1	521	BCR	C16-C17-C18	-4.18	121.34	127.31
13	b	511	CLA	CMB-C2B-C1B	-4.18	122.04	128.46
13	e	1132	CLA	O2D-CGD-O1D	-4.18	115.67	123.84
17	e	5008	LHG	O4-P-O5	4.18	132.90	112.24
13	A	1132	CLA	O2D-CGD-O1D	-4.18	115.67	123.84
17	A	5008	LHG	O4-P-O5	4.17	132.87	112.24
13	A	1108	CLA	CMB-C2B-C1B	-4.17	122.05	128.46
13	e	1108	CLA	CMB-C2B-C1B	-4.17	122.05	128.46
17	G	5008	LHG	O4-P-O5	4.17	132.86	112.24
13	G	1132	CLA	O2D-CGD-O1D	-4.17	115.69	123.84
20	6	822	SQD	O47-C7-C8	4.17	118.76	111.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	t	511	CLA	CMB-C2B-C1B	-4.17	122.06	128.46
13	e	1115	CLA	CMB-C2B-C1B	-4.17	122.06	128.46
17	n	5220	LHG	O4-P-O5	4.16	132.83	112.24
16	T	4015	BCR	C16-C17-C18	-4.16	121.37	127.31
13	e	1011	CLA	O2D-CGD-O1D	-4.16	115.70	123.84
20	v	822	SQD	O47-C7-C8	4.16	118.75	111.09
16	Y	521	BCR	C16-C17-C18	-4.16	121.37	127.31
17	L	5220	LHG	O4-P-O5	4.16	132.81	112.24
13	A	1115	CLA	CMB-C2B-C1B	-4.16	122.07	128.46
13	B	1209	CLA	O2D-CGD-O1D	-4.16	115.71	123.84
17	V	5220	LHG	O4-P-O5	4.16	132.79	112.24
13	4	511	CLA	CMB-C2B-C1B	-4.16	122.08	128.46
13	G	1011	CLA	O2D-CGD-O1D	-4.16	115.71	123.84
13	H	1209	CLA	O2D-CGD-O1D	-4.15	115.72	123.84
16	f	4004	BCR	C24-C23-C22	-4.15	119.96	126.23
13	A	1011	CLA	O2D-CGD-O1D	-4.15	115.72	123.84
13	G	1115	CLA	CMB-C2B-C1B	-4.15	122.08	128.46
13	f	1209	CLA	O2D-CGD-O1D	-4.15	115.72	123.84
17	S	5001	LHG	O4-P-O5	4.15	132.76	112.24
17	I	5001	LHG	O4-P-O5	4.15	132.76	112.24
16	t	521	BCR	C16-C17-C18	-4.15	121.39	127.31
16	J	4015	BCR	C16-C17-C18	-4.15	121.39	127.31
17	k	5001	LHG	O4-P-O5	4.15	132.75	112.24
16	l	4015	BCR	C16-C17-C18	-4.14	121.40	127.31
16	b	521	BCR	C16-C17-C18	-4.14	121.40	127.31
16	e	4008	BCR	C15-C14-C13	-4.14	121.40	127.31
13	A	1133	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
13	e	1133	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
16	n	4022	BCR	C11-C10-C9	-4.13	121.41	127.31
20	H	1852	SQD	O47-C7-C8	4.13	120.41	111.50
16	4	522	BCR	C15-C16-C17	-4.13	115.01	123.47
13	G	1133	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
16	t	522	BCR	C15-C16-C17	-4.13	115.01	123.47
17	G	5007	LHG	O4-P-O5	4.13	132.66	112.24
16	4	521	BCR	C16-C17-C18	-4.13	121.42	127.31
17	e	5007	LHG	O4-P-O5	4.13	132.64	112.24
17	A	5007	LHG	O4-P-O5	4.13	132.63	112.24
20	f	1852	SQD	O47-C7-C8	4.12	120.39	111.50
20	B	1852	SQD	O47-C7-C8	4.12	120.39	111.50
13	G	1112	CLA	CMB-C2B-C1B	-4.12	122.13	128.46
16	G	4008	BCR	C15-C14-C13	-4.12	121.43	127.31
13	d	506	CLA	CMB-C2B-C1B	-4.12	122.13	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	H	4004	BCR	C24-C23-C22	-4.12	120.01	126.23
13	n	1501	CLA	CMB-C2B-C1B	-4.12	122.13	128.46
16	B	4004	BCR	C24-C23-C22	-4.12	120.01	126.23
16	Y	524	BCR	C16-C17-C18	-4.12	121.43	127.31
13	6	506	CLA	CMB-C2B-C1B	-4.12	122.14	128.46
13	H	1231	CLA	CMB-C2B-C3B	4.11	132.37	124.68
16	b	522	BCR	C15-C16-C17	-4.11	115.05	123.47
16	A	4008	BCR	C15-C14-C13	-4.11	121.44	127.31
13	B	1231	CLA	CMB-C2B-C3B	4.11	132.37	124.68
17	e	5005	LHG	O4-P-O5	4.11	132.56	112.24
17	A	5005	LHG	O4-P-O5	4.11	132.56	112.24
13	q	506	CLA	CMB-C2B-C3B	4.11	132.36	124.68
16	l	524	BCR	C16-C17-C18	-4.11	121.45	127.31
13	A	1112	CLA	CMB-C2B-C1B	-4.10	122.16	128.46
13	A	1123	CLA	CMB-C2B-C3B	4.10	132.35	124.68
13	G	1123	CLA	CMB-C2B-C3B	4.10	132.35	124.68
13	L	1501	CLA	CMB-C2B-C1B	-4.10	122.16	128.46
17	e	5001	LHG	O4-P-O5	4.10	132.51	112.24
13	e	1105	CLA	CMB-C2B-C3B	4.10	132.35	124.68
16	r	521	BCR	C20-C21-C22	-4.10	121.46	127.31
17	A	5001	LHG	O4-P-O5	4.10	132.50	112.24
17	G	5005	LHG	O4-P-O5	4.10	132.50	112.24
16	q	524	BCR	C16-C17-C18	-4.10	121.46	127.31
13	e	1123	CLA	CMB-C2B-C3B	4.10	132.34	124.68
13	V	1501	CLA	CMB-C2B-C1B	-4.09	122.17	128.46
13	l	506	CLA	CMB-C2B-C3B	4.09	132.34	124.68
20	f	1852	SQD	C1-O5-C5	4.09	121.72	113.69
17	G	5001	LHG	O4-P-O5	4.09	132.47	112.24
17	V	5221	LHG	O4-P-O5	4.09	132.47	112.24
13	v	506	CLA	CMB-C2B-C1B	-4.09	122.17	128.46
16	L	4022	BCR	C11-C10-C9	-4.09	121.47	127.31
17	n	5221	LHG	O4-P-O5	4.09	132.47	112.24
13	A	1105	CLA	CMB-C2B-C3B	4.09	132.33	124.68
13	B	1211	CLA	CMB-C2B-C3B	4.09	132.33	124.68
13	e	1112	CLA	CMB-C2B-C1B	-4.09	122.18	128.46
13	G	1105	CLA	CMB-C2B-C3B	4.09	132.33	124.68
20	B	1852	SQD	C1-O5-C5	4.09	121.71	113.69
20	H	1852	SQD	C1-O5-C5	4.09	121.71	113.69
17	L	5221	LHG	O4-P-O5	4.09	132.45	112.24
13	f	1211	CLA	CMB-C2B-C3B	4.09	132.33	124.68
16	d	523	BCR	C15-C14-C13	-4.09	121.48	127.31
13	H	1211	CLA	CMB-C2B-C3B	4.09	132.32	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Y	506	CLA	CMB-C2B-C3B	4.09	132.32	124.68
13	f	1231	CLA	CMB-C2B-C3B	4.09	132.32	124.68
17	H	1855	LHG	O4-P-O5	4.08	132.43	112.24
17	f	1855	LHG	O4-P-O5	4.08	132.43	112.24
17	B	1855	LHG	O4-P-O5	4.08	132.42	112.24
16	2	521	BCR	C20-C21-C22	-4.08	121.49	127.31
13	5	509	CLA	CMB-C2B-C3B	4.08	132.31	124.68
13	G	1801	CLA	CMB-C2B-C3B	4.07	132.30	124.68
13	B	1222	CLA	CMB-C2B-C3B	4.07	132.30	124.68
16	6	523	BCR	C15-C14-C13	-4.07	121.50	127.31
16	d	524	BCR	C16-C17-C18	-4.07	121.50	127.31
13	c	509	CLA	CMB-C2B-C3B	4.07	132.30	124.68
13	u	509	CLA	CMB-C2B-C3B	4.07	132.30	124.68
16	Z	521	BCR	C20-C21-C22	-4.07	121.50	127.31
13	A	1801	CLA	CMB-C2B-C3B	4.07	132.29	124.68
13	f	1222	CLA	CMB-C2B-C3B	4.07	132.29	124.68
16	V	4022	BCR	C11-C10-C9	-4.07	121.51	127.31
16	v	524	BCR	C16-C17-C18	-4.07	121.51	127.31
16	6	524	BCR	C16-C17-C18	-4.07	121.51	127.31
13	f	1209	CLA	O2D-CGD-CBD	4.06	118.48	111.27
13	Y	510	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
13	H	1209	CLA	O2D-CGD-CBD	4.06	118.48	111.27
16	f	4010	BCR	C7-C8-C9	-4.05	120.11	126.23
13	H	1222	CLA	CMB-C2B-C3B	4.05	132.26	124.68
16	4	522	BCR	C15-C14-C13	-4.05	121.53	127.31
13	q	510	CLA	CMB-C2B-C1B	-4.05	122.23	128.46
13	A	1801	CLA	CAA-CBA-CGA	-4.05	101.75	112.51
13	e	1801	CLA	CMB-C2B-C3B	4.05	132.26	124.68
13	Y	507	CLA	CMB-C2B-C1B	-4.05	122.23	128.46
13	e	1801	CLA	CAA-CBA-CGA	-4.05	101.76	112.51
16	H	4010	BCR	C7-C8-C9	-4.05	120.11	126.23
13	G	1801	CLA	CAA-CBA-CGA	-4.05	101.76	112.51
16	B	4010	BCR	C7-C8-C9	-4.05	120.11	126.23
13	B	1209	CLA	O2D-CGD-CBD	4.05	118.46	111.27
16	b	522	BCR	C15-C14-C13	-4.05	121.53	127.31
13	e	1011	CLA	C1D-ND-C4D	-4.05	103.46	106.33
16	v	523	BCR	C15-C14-C13	-4.05	121.54	127.31
16	f	4010	BCR	C24-C23-C22	-4.04	120.12	126.23
13	e	1130	CLA	CMB-C2B-C3B	4.04	132.24	124.68
13	1	510	CLA	CMB-C2B-C1B	-4.04	122.26	128.46
16	4	522	BCR	C24-C23-C22	-4.04	120.14	126.23
13	5	511	CLA	CMB-C2B-C1B	-4.04	122.26	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	H	4005	BCR	C7-C8-C9	-4.04	120.14	126.23
16	t	522	BCR	C15-C14-C13	-4.04	121.55	127.31
16	H	4010	BCR	C24-C23-C22	-4.03	120.14	126.23
13	q	507	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
16	B	4010	BCR	C24-C23-C22	-4.03	120.15	126.23
20	n	5216	SQD	O9-S-O7	-4.03	100.01	113.95
13	c	511	CLA	CMB-C2B-C1B	-4.03	122.28	128.46
20	V	5216	SQD	O9-S-O7	-4.03	100.01	113.95
13	u	511	CLA	CMB-C2B-C1B	-4.03	122.28	128.46
13	G	1130	CLA	CMB-C2B-C3B	4.03	132.21	124.68
20	L	5216	SQD	O9-S-O7	-4.02	100.02	113.95
13	H	1240	CLA	CMB-C2B-C1B	-4.02	122.28	128.46
16	A	4001	BCR	C3-C4-C5	-4.02	106.89	114.08
13	B	1210	CLA	CMB-C2B-C1B	-4.02	122.28	128.46
13	G	1129	CLA	CMB-C2B-C1B	-4.02	122.28	128.46
16	B	4005	BCR	C7-C8-C9	-4.02	120.16	126.23
13	f	1210	CLA	CMB-C2B-C1B	-4.02	122.29	128.46
16	e	4001	BCR	C3-C4-C5	-4.02	106.90	114.08
13	B	1240	CLA	CMB-C2B-C1B	-4.02	122.29	128.46
16	f	4005	BCR	C7-C8-C9	-4.02	120.16	126.23
13	l	507	CLA	CMB-C2B-C1B	-4.02	122.29	128.46
16	t	522	BCR	C24-C23-C22	-4.01	120.17	126.23
13	v	505	CLA	CMB-C2B-C1B	-4.01	122.29	128.46
13	A	1130	CLA	CMB-C2B-C3B	4.01	132.19	124.68
13	f	1240	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
13	H	1210	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
13	A	1129	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
13	H	1211	CLA	CHB-C4A-NA	4.01	130.06	124.51
13	H	1021	CLA	O2D-CGD-O1D	-4.01	116.00	123.84
16	G	4001	BCR	C3-C4-C5	-4.01	106.92	114.08
16	b	522	BCR	C24-C23-C22	-4.01	120.18	126.23
13	B	1021	CLA	O2D-CGD-O1D	-4.00	116.02	123.84
13	e	1129	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
13	f	1021	CLA	O2D-CGD-O1D	-3.99	116.03	123.84
13	A	1011	CLA	C1D-ND-C4D	-3.99	103.50	106.33
13	J	1303	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
13	6	505	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
13	b	509	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
16	n	4022	BCR	C4-C5-C6	-3.98	116.95	122.73
16	A	4002	BCR	C24-C23-C22	-3.98	120.22	126.23
13	6	511	CLA	CMB-C2B-C1B	-3.98	122.34	128.46
13	T	1303	CLA	CMB-C2B-C1B	-3.98	122.34	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	Y	522	BCR	C15-C14-C13	-3.98	121.63	127.31
16	c	521	BCR	C15-C14-C13	-3.98	121.63	127.31
13	B	1211	CLA	CHB-C4A-NA	3.98	130.01	124.51
13	d	505	CLA	CMB-C2B-C1B	-3.98	122.35	128.46
16	1	522	BCR	C15-C14-C13	-3.98	121.64	127.31
13	G	1140	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
16	6	521	BCR	C24-C23-C22	-3.97	120.23	126.23
16	5	521	BCR	C15-C14-C13	-3.97	121.64	127.31
13	a	501	CLA	CMB-C2B-C3B	3.97	132.11	124.68
16	G	4002	BCR	C24-C23-C22	-3.97	120.23	126.23
16	e	4002	BCR	C24-C23-C22	-3.97	120.23	126.23
13	4	509	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
13	l	1303	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
16	q	522	BCR	C15-C14-C13	-3.97	121.65	127.31
16	v	521	BCR	C24-C23-C22	-3.97	120.24	126.23
13	f	1211	CLA	CHB-C4A-NA	3.96	129.99	124.51
13	a	511	CLA	CMB-C2B-C1B	-3.96	122.37	128.46
16	b	524	BCR	C33-C5-C6	-3.96	120.08	124.53
16	d	521	BCR	C24-C23-C22	-3.96	120.25	126.23
13	3	501	CLA	CMB-C2B-C3B	3.96	132.09	124.68
13	e	1113	CLA	CMB-C2B-C3B	3.96	132.09	124.68
16	V	4022	BCR	C4-C5-C6	-3.96	116.98	122.73
13	3	511	CLA	CMB-C2B-C1B	-3.96	122.38	128.46
13	A	1113	CLA	CMB-C2B-C3B	3.96	132.09	124.68
13	v	511	CLA	CMB-C2B-C1B	-3.96	122.38	128.46
16	u	521	BCR	C15-C14-C13	-3.96	121.66	127.31
13	2	510	CLA	CMB-C2B-C3B	3.95	132.08	124.68
16	2	523	BCR	C7-C8-C9	-3.95	120.26	126.23
16	e	4001	BCR	C20-C21-C22	-3.95	121.67	127.31
13	d	511	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
16	L	4022	BCR	C4-C5-C6	-3.95	117.00	122.73
13	A	1022	CLA	CMB-C2B-C3B	3.95	132.07	124.68
13	s	501	CLA	CMB-C2B-C3B	3.95	132.07	124.68
16	Z	523	BCR	C7-C8-C9	-3.95	120.27	126.23
16	G	4001	BCR	C15-C16-C17	-3.95	115.39	123.47
16	Z	521	BCR	C24-C23-C22	-3.95	120.27	126.23
13	t	509	CLA	CMB-C2B-C1B	-3.95	122.40	128.46
13	r	510	CLA	CMB-C2B-C3B	3.95	132.06	124.68
16	L	4219	BCR	C16-C17-C18	-3.94	121.68	127.31
16	r	523	BCR	C7-C8-C9	-3.94	120.28	126.23
13	L	1502	CLA	CMB-C2B-C1B	-3.94	122.40	128.46
13	s	511	CLA	CMB-C2B-C1B	-3.94	122.40	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	r	521	BCR	C24-C23-C22	-3.94	120.28	126.23
13	A	1140	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
13	G	1113	CLA	CMB-C2B-C3B	3.94	132.05	124.68
13	Z	505	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
16	4	524	BCR	C33-C5-C6	-3.94	120.11	124.53
13	2	505	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
13	G	1022	CLA	CMB-C2B-C3B	3.94	132.04	124.68
13	V	1502	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
13	Z	510	CLA	CMB-C2B-C3B	3.93	132.04	124.68
16	2	521	BCR	C24-C23-C22	-3.93	120.29	126.23
13	e	1022	CLA	CMB-C2B-C3B	3.93	132.04	124.68
16	A	4001	BCR	C20-C21-C22	-3.93	121.70	127.31
13	e	1140	CLA	CMB-C2B-C1B	-3.93	122.42	128.46
16	q	521	BCR	C15-C14-C13	-3.93	121.70	127.31
13	n	1502	CLA	CMB-C2B-C1B	-3.93	122.42	128.46
16	e	4001	BCR	C15-C16-C17	-3.93	115.43	123.47
16	n	4219	BCR	C16-C17-C18	-3.93	121.71	127.31
20	V	5216	SQD	O47-C7-C8	3.93	119.96	111.50
20	n	5216	SQD	O47-C7-C8	3.92	119.96	111.50
16	A	4001	BCR	C15-C16-C17	-3.92	115.44	123.47
16	Y	521	BCR	C15-C14-C13	-3.92	121.71	127.31
20	L	5216	SQD	O47-C7-C8	3.92	119.96	111.50
13	G	1117	CLA	O2D-CGD-CBD	3.92	118.24	111.27
13	3	509	CLA	CMB-C2B-C3B	3.92	132.02	124.68
13	a	506	CLA	CMB-C2B-C3B	3.92	132.02	124.68
16	V	4219	BCR	C16-C17-C18	-3.92	121.71	127.31
13	5	504	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
13	u	504	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
13	r	505	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
16	H	4009	BCR	C15-C14-C13	-3.92	121.72	127.31
13	G	1011	CLA	C1D-ND-C4D	-3.92	103.55	106.33
16	l	521	BCR	C15-C14-C13	-3.92	121.72	127.31
13	a	509	CLA	CMB-C2B-C3B	3.92	132.01	124.68
16	b	521	BCR	C15-C14-C13	-3.92	121.72	127.31
16	G	4003	BCR	C3-C4-C5	-3.92	107.08	114.08
13	Y	513	CLA	CMB-C2B-C1B	-3.91	122.45	128.46
16	5	522	BCR	C11-C10-C9	-3.91	121.72	127.31
13	e	1117	CLA	O2D-CGD-CBD	3.91	118.22	111.27
16	G	4001	BCR	C20-C21-C22	-3.91	121.73	127.31
13	s	509	CLA	CMB-C2B-C3B	3.91	131.99	124.68
16	c	522	BCR	C11-C10-C9	-3.91	121.73	127.31
16	t	521	BCR	C15-C14-C13	-3.91	121.73	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	c	504	CLA	CMB-C2B-C1B	-3.91	122.46	128.46
16	a	522	BCR	C7-C8-C9	-3.91	120.33	126.23
16	f	4005	BCR	C24-C23-C22	-3.91	120.33	126.23
16	t	524	BCR	C33-C5-C6	-3.90	120.15	124.53
16	f	4009	BCR	C15-C14-C13	-3.90	121.74	127.31
13	A	1117	CLA	O2D-CGD-CBD	3.90	118.20	111.27
16	d	521	BCR	C7-C8-C9	-3.90	120.34	126.23
13	u	501	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
13	3	506	CLA	CMB-C2B-C3B	3.89	131.96	124.68
13	e	1138	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
20	Y	822	SQD	O7-S-C6	3.89	111.57	106.94
13	1	513	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
16	I	4018	BCR	C16-C17-C18	-3.89	121.76	127.31
16	f	4005	BCR	C15-C14-C13	-3.89	121.76	127.31
20	b	822	SQD	O9-S-C6	3.89	111.56	106.94
16	B	4009	BCR	C15-C14-C13	-3.89	121.76	127.31
16	u	522	BCR	C11-C10-C9	-3.89	121.76	127.31
13	u	506	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
16	A	4003	BCR	C3-C4-C5	-3.89	107.13	114.08
13	5	501	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
16	e	4011	BCR	C20-C21-C22	-3.89	121.76	127.31
13	5	506	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
16	3	522	BCR	C7-C8-C9	-3.89	120.36	126.23
16	B	4005	BCR	C24-C23-C22	-3.89	120.36	126.23
16	4	521	BCR	C15-C14-C13	-3.89	121.76	127.31
20	t	822	SQD	O9-S-C6	3.89	111.56	106.94
13	c	501	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
16	B	4005	BCR	C15-C14-C13	-3.89	121.77	127.31
13	s	506	CLA	CMB-C2B-C3B	3.88	131.94	124.68
16	S	4018	BCR	C16-C17-C18	-3.88	121.77	127.31
13	G	1121	CLA	CAA-C2A-C3A	-3.88	102.15	112.78
13	e	1104	CLA	CMB-C2B-C3B	3.88	131.94	124.68
16	T	4013	BCR	C15-C14-C13	-3.88	121.77	127.31
13	H	1215	CLA	CMB-C2B-C3B	3.88	131.94	124.68
13	Y	516	CLA	CBC-CAC-C3C	3.88	123.13	112.43
13	A	1121	CLA	CAA-C2A-C3A	-3.88	102.16	112.78
16	k	4018	BCR	C16-C17-C18	-3.88	121.77	127.31
13	U	1103	CLA	C1-C2-C3	-3.88	120.48	126.75
13	B	1215	CLA	CMB-C2B-C3B	3.88	131.93	124.68
13	e	1121	CLA	CAA-C2A-C3A	-3.88	102.17	112.78
13	G	1138	CLA	CMB-C2B-C1B	-3.88	122.51	128.46
16	H	4005	BCR	C15-C14-C13	-3.88	121.78	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	6	521	BCR	C7-C8-C9	-3.88	120.38	126.23
16	e	4003	BCR	C3-C4-C5	-3.87	107.16	114.08
16	J	4013	BCR	C15-C14-C13	-3.87	121.78	127.31
13	c	506	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
20	4	822	SQD	O9-S-C6	3.87	111.54	106.94
13	A	1138	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
16	A	4011	BCR	C20-C21-C22	-3.87	121.79	127.31
16	G	4011	BCR	C20-C21-C22	-3.87	121.79	127.31
20	1	822	SQD	O7-S-C6	3.87	111.54	106.94
13	1	516	CLA	CBC-CAC-C3C	3.87	123.10	112.43
16	H	4005	BCR	C24-C23-C22	-3.86	120.40	126.23
13	4	504	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
16	l	4013	BCR	C15-C14-C13	-3.86	121.80	127.31
16	s	522	BCR	C7-C8-C9	-3.86	120.40	126.23
13	q	513	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
16	6	521	BCR	C11-C10-C9	-3.86	121.80	127.31
13	b	504	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
13	A	1104	CLA	CMB-C2B-C3B	3.86	131.90	124.68
13	q	516	CLA	CBC-CAC-C3C	3.86	123.06	112.43
13	G	1104	CLA	CMB-C2B-C3B	3.85	131.89	124.68
13	f	1215	CLA	CMB-C2B-C3B	3.85	131.89	124.68
13	t	504	CLA	CMB-C2B-C1B	-3.85	122.54	128.46
16	v	521	BCR	C7-C8-C9	-3.85	120.42	126.23
13	K	1103	CLA	C1-C2-C3	-3.85	120.52	126.75
13	3	508	CLA	CMB-C2B-C3B	3.85	131.88	124.68
13	s	508	CLA	CMB-C2B-C3B	3.85	131.88	124.68
16	W	4021	BCR	C11-C10-C9	-3.85	121.82	127.31
13	m	1103	CLA	C1-C2-C3	-3.84	120.53	126.75
16	v	521	BCR	C11-C10-C9	-3.84	121.83	127.31
13	6	518	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
16	o	4021	BCR	C11-C10-C9	-3.84	121.83	127.31
20	q	822	SQD	O7-S-C6	3.84	111.50	106.94
13	H	1224	CLA	CMB-C2B-C3B	3.84	131.86	124.68
16	d	521	BCR	C11-C10-C9	-3.84	121.83	127.31
13	f	1204	CLA	CMB-C2B-C1B	-3.84	122.57	128.46
16	c	521	BCR	C16-C17-C18	-3.83	121.84	127.31
16	b	524	BCR	C11-C10-C9	-3.83	121.84	127.31
13	B	1203	CLA	CMB-C2B-C3B	3.83	131.84	124.68
16	3	521	BCR	C16-C17-C18	-3.83	121.84	127.31
16	M	4021	BCR	C11-C10-C9	-3.83	121.85	127.31
16	4	523	BCR	C16-C17-C18	-3.83	121.85	127.31
13	B	1204	CLA	CMB-C2B-C1B	-3.83	122.58	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	v	518	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
13	f	1203	CLA	CMB-C2B-C3B	3.83	131.84	124.68
16	t	523	BCR	C16-C17-C18	-3.83	121.85	127.31
13	a	508	CLA	CMB-C2B-C3B	3.83	131.84	124.68
16	j	4016	BCR	C7-C8-C9	-3.83	120.45	126.23
20	q	822	SQD	C4-C3-C2	3.83	117.50	110.82
16	4	524	BCR	C11-C10-C9	-3.82	121.85	127.31
16	s	521	BCR	C16-C17-C18	-3.82	121.85	127.31
20	Y	822	SQD	C4-C3-C2	3.82	117.50	110.82
13	d	518	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
13	v	510	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
13	U	1105	CLA	CMC-C2C-C1C	-3.82	119.22	125.04
13	d	510	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
13	B	1224	CLA	CMB-C2B-C3B	3.82	131.82	124.68
13	K	1105	CLA	CMC-C2C-C1C	-3.82	119.22	125.04
13	H	1203	CLA	CMB-C2B-C3B	3.82	131.82	124.68
16	t	524	BCR	C11-C10-C9	-3.82	121.86	127.31
13	H	1204	CLA	CMB-C2B-C1B	-3.82	122.60	128.46
16	T	4015	BCR	C20-C21-C22	-3.82	121.86	127.31
13	G	1109	CLA	CMB-C2B-C1B	-3.82	122.60	128.46
13	H	1213	CLA	CMB-C2B-C3B	3.81	131.81	124.68
13	l	503	CLA	CMB-C2B-C1B	-3.81	122.60	128.46
13	6	510	CLA	CMB-C2B-C1B	-3.81	122.61	128.46
16	J	4015	BCR	C20-C21-C22	-3.81	121.87	127.31
20	r	822	SQD	O9-S-C6	3.81	111.47	106.94
16	l	4015	BCR	C20-C21-C22	-3.81	121.87	127.31
20	s	822	SQD	O9-S-C6	3.81	111.47	106.94
13	f	1224	CLA	CMB-C2B-C3B	3.81	131.80	124.68
16	G	4011	BCR	C34-C9-C10	-3.81	117.59	122.92
13	G	1106	CLA	CMB-C2B-C3B	3.81	131.80	124.68
13	A	1109	CLA	CMB-C2B-C1B	-3.81	122.61	128.46
16	2	522	BCR	C15-C14-C13	-3.81	121.88	127.31
16	V	4019	BCR	C16-C17-C18	-3.80	121.88	127.31
16	1	521	BCR	C3-C4-C5	-3.80	107.28	114.08
16	Y	521	BCR	C3-C4-C5	-3.80	107.28	114.08
13	B	1213	CLA	CMB-C2B-C3B	3.80	131.79	124.68
20	2	822	SQD	O9-S-C6	3.80	111.46	106.94
13	Z	509	CLA	CMB-C2B-C3B	3.80	131.79	124.68
16	v	521	BCR	C15-C14-C13	-3.80	121.88	127.31
20	3	822	SQD	O9-S-C6	3.80	111.46	106.94
16	q	521	BCR	C3-C4-C5	-3.80	107.29	114.08
13	e	1137	CLA	O2D-CGD-O1D	-3.80	116.41	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1110	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
16	r	522	BCR	C15-C14-C13	-3.80	121.89	127.31
13	Y	509	CLA	CMB-C2B-C3B	3.80	131.79	124.68
20	1	822	SQD	C4-C3-C2	3.80	117.46	110.82
16	v	521	BCR	C28-C27-C26	-3.80	107.29	114.08
13	e	1109	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
13	q	503	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
13	q	509	CLA	CMB-C2B-C3B	3.80	131.79	124.68
13	G	1137	CLA	O2D-CGD-O1D	-3.80	116.41	123.84
16	b	523	BCR	C16-C17-C18	-3.80	121.89	127.31
16	u	521	BCR	C16-C17-C18	-3.80	121.89	127.31
13	m	1105	CLA	CMC-C2C-C1C	-3.80	119.26	125.04
16	5	521	BCR	C16-C17-C18	-3.80	121.89	127.31
16	F	4016	BCR	C7-C8-C9	-3.80	120.50	126.23
13	Y	503	CLA	CMB-C2B-C1B	-3.80	122.63	128.46
16	L	4019	BCR	C16-C17-C18	-3.79	121.89	127.31
20	a	822	SQD	O9-S-C6	3.79	111.45	106.94
13	1	509	CLA	CMB-C2B-C3B	3.79	131.78	124.68
13	2	509	CLA	CMB-C2B-C3B	3.79	131.77	124.68
16	Z	522	BCR	C15-C14-C13	-3.79	121.90	127.31
13	r	509	CLA	CMB-C2B-C3B	3.79	131.77	124.68
13	f	1213	CLA	CMB-C2B-C3B	3.79	131.77	124.68
16	H	4017	BCR	C24-C23-C22	-3.79	120.51	126.23
16	a	521	BCR	C16-C17-C18	-3.79	121.90	127.31
13	s	516	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
16	R	4016	BCR	C7-C8-C9	-3.79	120.51	126.23
16	A	4011	BCR	C34-C9-C10	-3.79	117.62	122.92
16	d	521	BCR	C15-C14-C13	-3.79	121.90	127.31
16	n	4019	BCR	C16-C17-C18	-3.79	121.90	127.31
16	6	521	BCR	C28-C27-C26	-3.79	107.32	114.08
13	G	1129	CLA	CMB-C2B-C3B	3.79	131.76	124.68
16	t	523	BCR	C15-C14-C13	-3.79	121.91	127.31
20	Z	822	SQD	O9-S-C6	3.78	111.44	106.94
13	A	1106	CLA	CMB-C2B-C3B	3.78	131.75	124.68
16	d	521	BCR	C28-C27-C26	-3.78	107.32	114.08
16	Z	523	BCR	C15-C14-C13	-3.78	121.91	127.31
13	A	1137	CLA	O2D-CGD-O1D	-3.78	116.44	123.84
16	6	521	BCR	C15-C14-C13	-3.78	121.92	127.31
13	3	516	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
16	r	523	BCR	C15-C14-C13	-3.78	121.92	127.31
13	F	1301	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
13	j	1301	CLA	CMB-C2B-C1B	-3.77	122.66	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	o	4021	BCR	C24-C23-C22	-3.77	120.53	126.23
13	a	516	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
16	W	4021	BCR	C24-C23-C22	-3.77	120.54	126.23
16	e	4011	BCR	C34-C9-C10	-3.77	117.64	122.92
16	2	521	BCR	C16-C17-C18	-3.77	121.93	127.31
13	e	1129	CLA	CMB-C2B-C3B	3.77	131.73	124.68
16	J	4013	BCR	C24-C23-C22	-3.77	120.54	126.23
16	r	521	BCR	C16-C17-C18	-3.77	121.93	127.31
16	Z	521	BCR	C16-C17-C18	-3.77	121.94	127.31
13	A	1111	CLA	CMB-C2B-C3B	3.77	131.72	124.68
13	R	1301	CLA	CMB-C2B-C1B	-3.77	122.68	128.46
16	M	4021	BCR	C24-C23-C22	-3.77	120.55	126.23
13	A	1110	CLA	CMB-C2B-C1B	-3.77	122.68	128.46
13	G	1110	CLA	CMB-C2B-C1B	-3.77	122.68	128.46
16	B	4006	BCR	C15-C14-C13	-3.76	121.94	127.31
13	e	1106	CLA	CMB-C2B-C3B	3.76	131.72	124.68
16	f	4017	BCR	C24-C23-C22	-3.76	120.55	126.23
13	A	1129	CLA	CMB-C2B-C3B	3.76	131.72	124.68
13	G	1111	CLA	CMB-C2B-C3B	3.76	131.72	124.68
16	B	4017	BCR	C24-C23-C22	-3.76	120.55	126.23
20	l	822	SQD	O47-C7-C8	3.76	119.60	111.50
13	G	1112	CLA	CMB-C2B-C3B	3.76	131.71	124.68
13	e	1111	CLA	CMB-C2B-C3B	3.76	131.71	124.68
20	q	822	SQD	O47-C7-C8	3.76	119.60	111.50
16	4	523	BCR	C15-C14-C13	-3.76	121.95	127.31
13	A	1117	CLA	CMB-C2B-C3B	3.76	131.71	124.68
13	Y	505	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
16	a	521	BCR	C28-C27-C26	-3.76	107.37	114.08
16	2	523	BCR	C15-C14-C13	-3.76	121.95	127.31
16	n	4219	BCR	C33-C5-C6	-3.76	120.31	124.53
13	s	507	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
16	T	4013	BCR	C24-C23-C22	-3.76	120.56	126.23
16	f	4006	BCR	C15-C14-C13	-3.76	121.95	127.31
16	3	521	BCR	C28-C27-C26	-3.75	107.37	114.08
16	e	4007	BCR	C11-C10-C9	-3.75	121.95	127.31
13	G	1117	CLA	CMB-C2B-C3B	3.75	131.70	124.68
13	e	1117	CLA	CMB-C2B-C3B	3.75	131.70	124.68
13	a	507	CLA	CMB-C2B-C1B	-3.75	122.69	128.46
16	b	524	BCR	C16-C17-C18	-3.75	121.95	127.31
16	n	4219	BCR	C7-C8-C9	-3.75	120.57	126.23
20	Y	822	SQD	O47-C7-C8	3.75	119.59	111.50
20	Z	822	SQD	O47-C7-C8	3.75	119.58	111.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	r	822	SQD	O47-C7-C8	3.75	119.58	111.50
16	V	4219	BCR	C7-C8-C9	-3.75	120.57	126.23
16	s	521	BCR	C28-C27-C26	-3.75	107.38	114.08
16	H	4009	BCR	C21-C20-C19	-3.74	111.53	123.22
16	a	521	BCR	C15-C14-C13	-3.74	121.97	127.31
16	m	4104	BCR	C38-C26-C25	-3.74	120.33	124.53
16	b	523	BCR	C15-C14-C13	-3.74	121.97	127.31
16	v	524	BCR	C11-C10-C9	-3.74	121.97	127.31
16	L	4219	BCR	C33-C5-C6	-3.74	120.33	124.53
16	B	4009	BCR	C21-C20-C19	-3.74	111.55	123.22
13	Y	508	CLA	CMB-C2B-C3B	3.74	131.67	124.68
13	A	1112	CLA	CMB-C2B-C3B	3.74	131.67	124.68
20	2	822	SQD	O47-C7-C8	3.74	119.56	111.50
13	1	508	CLA	CMB-C2B-C3B	3.74	131.67	124.68
16	H	4006	BCR	C15-C14-C13	-3.73	121.98	127.31
13	1	505	CLA	CMB-C2B-C1B	-3.73	122.72	128.46
13	e	1119	CLA	CMB-C2B-C3B	3.73	131.66	124.68
16	t	524	BCR	C16-C17-C18	-3.73	121.98	127.31
16	4	524	BCR	C16-C17-C18	-3.73	121.98	127.31
16	l	4013	BCR	C24-C23-C22	-3.73	120.60	126.23
13	H	1221	CLA	O2D-CGD-O1D	-3.73	116.55	123.84
20	v	822	SQD	O7-S-C6	3.73	111.37	106.94
16	A	4007	BCR	C11-C10-C9	-3.73	121.99	127.31
13	Y	502	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
16	f	4009	BCR	C21-C20-C19	-3.73	111.58	123.22
13	3	507	CLA	CMB-C2B-C1B	-3.73	122.74	128.46
13	f	1205	CLA	CMB-C2B-C1B	-3.73	122.74	128.46
13	B	1221	CLA	O2D-CGD-O1D	-3.73	116.55	123.84
16	f	4005	BCR	C33-C5-C6	-3.73	120.34	124.53
13	G	1125	CLA	CMB-C2B-C3B	3.72	131.65	124.68
13	e	1103	CLA	CMB-C2B-C3B	3.72	131.65	124.68
16	3	521	BCR	C15-C14-C13	-3.72	122.00	127.31
16	L	4219	BCR	C7-C8-C9	-3.72	120.61	126.23
16	K	4104	BCR	C38-C26-C25	-3.72	120.35	124.53
13	q	505	CLA	CMB-C2B-C1B	-3.72	122.74	128.46
13	e	1112	CLA	CMB-C2B-C3B	3.72	131.64	124.68
20	6	822	SQD	O7-S-C6	3.72	111.36	106.94
13	1	502	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
13	q	502	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
16	s	521	BCR	C15-C14-C13	-3.71	122.01	127.31
13	f	1221	CLA	O2D-CGD-O1D	-3.71	116.58	123.84
13	G	1103	CLA	CMB-C2B-C3B	3.71	131.62	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	H	4005	BCR	C33-C5-C6	-3.71	120.36	124.53
13	r	504	CLA	CMB-C2B-C1B	-3.71	122.76	128.46
16	G	4002	BCR	C11-C10-C9	-3.71	122.02	127.31
16	Z	522	BCR	C11-C10-C9	-3.71	122.02	127.31
13	Z	504	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
16	V	4219	BCR	C33-C5-C6	-3.71	120.36	124.53
13	q	508	CLA	CMB-C2B-C3B	3.71	131.61	124.68
13	A	1103	CLA	CMB-C2B-C3B	3.71	131.61	124.68
16	q	522	BCR	C7-C8-C9	-3.70	120.64	126.23
16	q	524	BCR	C33-C5-C6	-3.70	120.37	124.53
16	B	4005	BCR	C33-C5-C6	-3.70	120.37	124.53
13	G	1119	CLA	CMB-C2B-C3B	3.70	131.61	124.68
20	d	822	SQD	O7-S-C6	3.70	111.34	106.94
13	B	1205	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
13	A	1119	CLA	CMB-C2B-C3B	3.70	131.60	124.68
16	2	522	BCR	C11-C10-C9	-3.70	122.03	127.31
16	6	524	BCR	C11-C10-C9	-3.70	122.03	127.31
13	e	1120	CLA	CMB-C2B-C3B	3.70	131.59	124.68
16	d	524	BCR	C11-C10-C9	-3.70	122.04	127.31
20	d	822	SQD	O9-S-O7	-3.70	101.16	113.95
16	G	4007	BCR	C11-C10-C9	-3.69	122.04	127.31
13	2	504	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
13	e	1124	CLA	CMB-C2B-C3B	3.69	131.59	124.68
13	H	1229	CLA	CHD-C1D-ND	-3.69	121.06	124.45
13	f	1229	CLA	CHD-C1D-ND	-3.69	121.06	124.45
13	d	516	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
20	6	822	SQD	O9-S-O7	-3.69	101.18	113.95
13	e	1125	CLA	CMB-C2B-C3B	3.69	131.58	124.68
20	v	822	SQD	O9-S-O7	-3.69	101.18	113.95
13	H	1205	CLA	CMB-C2B-C1B	-3.69	122.80	128.46
16	r	523	BCR	C16-C17-C18	-3.69	122.05	127.31
16	U	4104	BCR	C38-C26-C25	-3.69	120.39	124.53
13	A	1120	CLA	CMB-C2B-C3B	3.69	131.58	124.68
13	A	1125	CLA	CMB-C2B-C3B	3.69	131.57	124.68
13	A	1124	CLA	CMB-C2B-C3B	3.69	131.57	124.68
20	3	822	SQD	O9-S-O7	-3.69	101.19	113.95
16	1	524	BCR	C33-C5-C6	-3.68	120.39	124.53
16	A	4002	BCR	C11-C10-C9	-3.68	122.05	127.31
16	r	522	BCR	C11-C10-C9	-3.68	122.05	127.31
16	B	4005	BCR	C11-C10-C9	-3.68	122.05	127.31
20	a	822	SQD	O9-S-O7	-3.68	101.21	113.95
16	H	4005	BCR	C11-C10-C9	-3.68	122.06	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	1	522	BCR	C7-C8-C9	-3.68	120.67	126.23
16	B	4005	BCR	C20-C21-C22	-3.68	122.06	127.31
13	K	1401	CLA	CAA-C2A-C3A	-3.68	102.70	112.78
13	G	1124	CLA	CMB-C2B-C3B	3.68	131.56	124.68
13	6	516	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
13	B	1229	CLA	CHD-C1D-ND	-3.68	121.07	124.45
13	v	516	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
20	s	822	SQD	O9-S-O7	-3.67	101.23	113.95
13	G	1120	CLA	CMB-C2B-C3B	3.67	131.55	124.68
16	Z	523	BCR	C16-C17-C18	-3.67	122.07	127.31
16	Y	524	BCR	C33-C5-C6	-3.67	120.40	124.53
16	f	4005	BCR	C20-C21-C22	-3.67	122.07	127.31
16	v	522	BCR	C15-C16-C17	-3.67	115.95	123.47
13	U	1401	CLA	CAA-C2A-C3A	-3.67	102.73	112.78
16	2	523	BCR	C16-C17-C18	-3.67	122.07	127.31
13	G	1115	CLA	CMB-C2B-C3B	3.67	131.54	124.68
13	c	510	CLA	CMB-C2B-C1B	-3.67	122.83	128.46
20	Z	822	SQD	O7-S-C6	3.67	111.30	106.94
13	e	1115	CLA	CMB-C2B-C3B	3.67	131.54	124.68
16	f	4005	BCR	C11-C10-C9	-3.67	122.08	127.31
16	l	4012	BCR	C3-C4-C5	-3.67	107.53	114.08
13	m	1401	CLA	CAA-C2A-C3A	-3.67	102.74	112.78
20	a	822	SQD	O7-S-C6	3.67	111.30	106.94
13	t	506	CLA	CMB-C2B-C1B	-3.66	122.83	128.46
13	b	506	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
16	Y	522	BCR	C7-C8-C9	-3.66	120.70	126.23
16	J	4012	BCR	C3-C4-C5	-3.66	107.54	114.08
13	4	506	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
13	5	510	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
16	J	4013	BCR	C3-C4-C5	-3.66	107.55	114.08
16	H	4005	BCR	C20-C21-C22	-3.66	122.09	127.31
16	6	522	BCR	C15-C16-C17	-3.66	115.98	123.47
16	a	521	BCR	C7-C8-C9	-3.66	120.71	126.23
16	s	521	BCR	C7-C8-C9	-3.65	120.71	126.23
13	u	510	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
20	5	822	SQD	O9-S-O7	-3.65	101.31	113.95
20	2	822	SQD	O7-S-C6	3.65	111.28	106.94
13	s	504	CLA	CMB-C2B-C3B	3.65	131.51	124.68
20	u	822	SQD	O9-S-O7	-3.65	101.32	113.95
16	A	4003	BCR	C15-C14-C13	-3.65	122.10	127.31
13	A	1115	CLA	CMB-C2B-C3B	3.65	131.50	124.68
16	G	4003	BCR	C15-C14-C13	-3.65	122.10	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	c	822	SQD	O9-S-O7	-3.65	101.33	113.95
16	d	522	BCR	C15-C16-C17	-3.65	116.00	123.47
16	3	521	BCR	C7-C8-C9	-3.65	120.73	126.23
13	H	1235	CLA	CMB-C2B-C1B	-3.65	122.86	128.46
16	l	4013	BCR	C3-C4-C5	-3.64	107.57	114.08
13	r	518	CLA	CMB-C2B-C3B	3.64	131.50	124.68
16	T	4012	BCR	C3-C4-C5	-3.64	107.57	114.08
13	d	504	CLA	CMB-C2B-C3B	3.64	131.49	124.68
20	3	822	SQD	O7-S-C6	3.64	111.27	106.94
13	r	503	CLA	CMB-C2B-C3B	3.64	131.49	124.68
13	A	1132	CLA	O2D-CGD-CBD	3.64	117.74	111.27
13	u	503	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
13	e	1132	CLA	O2D-CGD-CBD	3.64	117.74	111.27
20	b	822	SQD	O9-S-O7	-3.64	101.36	113.95
13	l	501	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
13	f	1209	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
20	s	822	SQD	O7-S-C6	3.64	111.26	106.94
13	e	1106	CLA	O2D-CGD-O1D	-3.64	116.73	123.84
13	5	503	CLA	CMB-C2B-C1B	-3.64	122.88	128.46
13	Z	518	CLA	CMB-C2B-C3B	3.63	131.48	124.68
13	2	503	CLA	CMB-C2B-C3B	3.63	131.48	124.68
20	t	822	SQD	O9-S-O7	-3.63	101.38	113.95
13	V	1503	CLA	CMB-C2B-C3B	3.63	131.47	124.68
13	a	510	CLA	CMB-C2B-C3B	3.63	131.47	124.68
13	B	1235	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
20	4	822	SQD	O9-S-O7	-3.63	101.38	113.95
13	3	504	CLA	CMB-C2B-C3B	3.63	131.47	124.68
13	s	510	CLA	CMB-C2B-C3B	3.63	131.47	124.68
16	e	4002	BCR	C11-C10-C9	-3.63	122.13	127.31
16	e	4003	BCR	C15-C14-C13	-3.63	122.13	127.31
13	f	1235	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
13	G	1132	CLA	O2D-CGD-CBD	3.63	117.72	111.27
13	2	518	CLA	CMB-C2B-C3B	3.63	131.47	124.68
20	r	822	SQD	O9-S-O7	-3.63	101.39	113.95
16	T	4013	BCR	C3-C4-C5	-3.63	107.60	114.08
16	W	4021	BCR	C38-C26-C25	-3.63	120.46	124.53
13	B	1209	CLA	CMB-C2B-C1B	-3.63	122.89	128.46
13	c	505	CLA	CMB-C2B-C1B	-3.63	122.89	128.46
13	H	1209	CLA	CMB-C2B-C1B	-3.62	122.89	128.46
13	Y	501	CLA	CMB-C2B-C1B	-3.62	122.89	128.46
13	3	510	CLA	CMB-C2B-C3B	3.62	131.46	124.68
13	L	1503	CLA	CMB-C2B-C3B	3.62	131.46	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	d	503	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
13	d	501	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
13	A	1106	CLA	O2D-CGD-O1D	-3.62	116.76	123.84
13	a	504	CLA	CMB-C2B-C3B	3.62	131.45	124.68
16	2	524	BCR	C16-C17-C18	-3.62	122.14	127.31
20	2	822	SQD	O9-S-O7	-3.62	101.42	113.95
20	r	822	SQD	O7-S-C6	3.62	111.24	106.94
13	G	1106	CLA	O2D-CGD-O1D	-3.62	116.77	123.84
20	Y	822	SQD	O9-S-O7	-3.62	101.43	113.95
20	Z	822	SQD	O9-S-O7	-3.61	101.44	113.95
13	6	503	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
13	c	503	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
13	r	517	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
13	e	1011	CLA	CGD-CBD-CAD	3.61	122.44	110.73
20	f	1852	SQD	O9-S-O7	-3.61	101.44	113.95
13	n	1503	CLA	CMB-C2B-C3B	3.61	131.44	124.68
20	1	822	SQD	O9-S-O7	-3.61	101.45	113.95
13	G	1011	CLA	CGD-CBD-CAD	3.61	122.43	110.73
13	Z	503	CLA	CMB-C2B-C3B	3.61	131.44	124.68
16	r	524	BCR	C16-C17-C18	-3.61	122.16	127.31
13	q	501	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
13	H	1212	CLA	CMB-C2B-C3B	3.61	131.43	124.68
13	6	504	CLA	CMB-C2B-C3B	3.61	131.43	124.68
13	Y	511	CLA	CMB-C2B-C3B	3.61	131.43	124.68
13	A	1011	CLA	CGD-CBD-CAD	3.61	122.42	110.73
20	H	1852	SQD	O9-S-O7	-3.61	101.46	113.95
13	4	516	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
20	v	822	SQD	O9-S-C6	3.61	111.22	106.94
13	r	506	CLA	CMB-C2B-C3B	3.61	131.42	124.68
20	B	1852	SQD	O9-S-O7	-3.61	101.47	113.95
13	b	513	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
16	o	4021	BCR	C15-C14-C13	-3.60	122.17	127.31
13	t	516	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
20	q	822	SQD	O9-S-O7	-3.60	101.49	113.95
13	6	501	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
13	v	507	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
13	B	1212	CLA	CMB-C2B-C3B	3.60	131.41	124.68
13	2	517	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
13	f	1212	CLA	CMB-C2B-C3B	3.60	131.41	124.68
13	2	506	CLA	CMB-C2B-C3B	3.60	131.41	124.68
13	Z	506	CLA	CMB-C2B-C3B	3.60	131.41	124.68
16	Z	524	BCR	C16-C17-C18	-3.60	122.18	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	M	4021	BCR	C38-C26-C25	-3.59	120.49	124.53
13	a	513	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
13	6	507	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
13	v	503	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
13	5	505	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
13	v	501	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
13	6	519	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
13	b	516	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
16	t	521	BCR	C20-C21-C22	-3.59	122.19	127.31
13	v	504	CLA	CMB-C2B-C3B	3.59	131.39	124.68
13	Z	517	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
13	3	513	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
13	d	507	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
13	1	511	CLA	CMB-C2B-C3B	3.59	131.39	124.68
13	u	505	CLA	CMB-C2B-C1B	-3.58	122.95	128.46
20	d	822	SQD	O9-S-C6	3.58	111.20	106.94
16	Y	524	BCR	C7-C8-C9	-3.58	120.82	126.23
13	4	503	CLA	CMB-C2B-C1B	-3.58	122.95	128.46
13	s	513	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
16	Y	523	BCR	C15-C14-C13	-3.58	122.20	127.31
16	n	4020	BCR	C16-C15-C14	-3.58	116.14	123.47
16	u	521	BCR	C28-C27-C26	-3.58	107.68	114.08
16	Z	521	BCR	C11-C10-C9	-3.58	122.20	127.31
20	6	822	SQD	O9-S-C6	3.58	111.20	106.94
13	v	519	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
13	q	511	CLA	CMB-C2B-C3B	3.58	131.38	124.68
13	t	503	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
16	2	521	BCR	C11-C10-C9	-3.58	122.20	127.31
16	L	4020	BCR	C16-C15-C14	-3.58	116.14	123.47
13	t	510	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
13	G	1013	CLA	CAA-C2A-C1A	-3.58	100.25	111.97
13	4	510	CLA	CMB-C2B-C1B	-3.58	122.97	128.46
13	t	513	CLA	CMB-C2B-C1B	-3.58	122.97	128.46
13	s	512	CLA	CMB-C2B-C1B	-3.58	122.97	128.46
13	A	1107	CLA	O2D-CGD-O1D	-3.57	116.85	123.84
13	e	1013	CLA	CAA-C2A-C1A	-3.57	100.26	111.97
13	d	519	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
16	o	4021	BCR	C38-C26-C25	-3.57	120.52	124.53
13	b	503	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
13	A	1013	CLA	CAA-C2A-C1A	-3.57	100.27	111.97
13	2	501	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
16	V	4020	BCR	C16-C15-C14	-3.57	116.16	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	6	517	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
13	4	513	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
13	B	1216	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
13	2	507	CLA	O2D-CGD-O1D	-3.57	116.86	123.84
16	H	4009	BCR	C3-C4-C5	-3.57	107.71	114.08
13	Z	501	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
13	a	512	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
13	H	1218	CLA	CMB-C2B-C3B	3.57	131.35	124.68
13	e	1118	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
13	1	518	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
16	H	4017	BCR	C16-C17-C18	-3.57	122.22	127.31
13	r	501	CLA	CMB-C2B-C1B	-3.56	122.98	128.46
13	B	1218	CLA	CMB-C2B-C3B	3.56	131.35	124.68
13	3	512	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
13	Z	507	CLA	O2D-CGD-O1D	-3.56	116.87	123.84
13	G	1107	CLA	O2D-CGD-O1D	-3.56	116.87	123.84
16	5	521	BCR	C28-C27-C26	-3.56	107.72	114.08
13	e	1107	CLA	O2D-CGD-O1D	-3.56	116.88	123.84
13	v	517	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
16	W	4021	BCR	C15-C14-C13	-3.56	122.23	127.31
16	M	4021	BCR	C15-C14-C13	-3.56	122.23	127.31
13	Z	508	CLA	CMB-C2B-C3B	3.56	131.33	124.68
13	t	517	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
16	G	4008	BCR	C7-C8-C9	-3.56	120.86	126.23
13	Y	518	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
13	q	518	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
16	A	4008	BCR	C7-C8-C9	-3.56	120.86	126.23
16	1	524	BCR	C7-C8-C9	-3.56	120.86	126.23
16	r	521	BCR	C11-C10-C9	-3.56	122.24	127.31
16	c	521	BCR	C28-C27-C26	-3.56	107.73	114.08
13	r	508	CLA	CMB-C2B-C3B	3.55	131.33	124.68
13	G	1118	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
16	1	523	BCR	C15-C14-C13	-3.55	122.24	127.31
13	A	1118	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
16	v	522	BCR	C24-C23-C22	-3.55	120.87	126.23
13	b	512	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
16	b	521	BCR	C20-C21-C22	-3.55	122.24	127.31
13	H	1216	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
13	b	510	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
13	2	508	CLA	CMB-C2B-C3B	3.55	131.32	124.68
13	f	1239	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
16	q	523	BCR	C15-C14-C13	-3.55	122.24	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	f	1218	CLA	CMB-C2B-C3B	3.55	131.32	124.68
13	t	512	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
13	4	517	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
13	4	501	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
13	Y	507	CLA	CMB-C2B-C3B	3.55	131.31	124.68
16	4	521	BCR	C20-C21-C22	-3.55	122.25	127.31
13	d	517	CLA	CMB-C2B-C1B	-3.55	123.02	128.46
16	6	524	BCR	C33-C5-C6	-3.55	120.55	124.53
13	5	507	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
13	B	1214	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
13	t	501	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
13	4	512	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
16	B	4009	BCR	C3-C4-C5	-3.54	107.75	114.08
16	f	4017	BCR	C16-C17-C18	-3.54	122.26	127.31
13	H	1214	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
16	B	4017	BCR	C16-C17-C18	-3.54	122.26	127.31
13	2	507	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
13	f	1216	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
13	c	507	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
13	r	507	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
13	l	507	CLA	CMB-C2B-C3B	3.54	131.30	124.68
16	v	524	BCR	C33-C5-C6	-3.54	120.56	124.53
13	T	1302	CLA	O2D-CGD-O1D	-3.54	116.92	123.84
13	q	507	CLA	CMB-C2B-C3B	3.54	131.29	124.68
13	G	1133	CLA	CMB-C2B-C3B	3.53	131.29	124.68
16	q	524	BCR	C7-C8-C9	-3.53	120.90	126.23
13	b	501	CLA	CMB-C2B-C1B	-3.53	123.03	128.46
13	l	1302	CLA	O2D-CGD-O1D	-3.53	116.93	123.84
13	u	507	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
16	v	521	BCR	C3-C4-C5	-3.53	107.78	114.08
13	r	507	CLA	O2D-CGD-O1D	-3.53	116.94	123.84
13	b	517	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
13	Z	507	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
16	e	4008	BCR	C7-C8-C9	-3.53	120.91	126.23
16	f	4009	BCR	C3-C4-C5	-3.52	107.78	114.08
16	d	524	BCR	C33-C5-C6	-3.52	120.57	124.53
13	B	1210	CLA	CMB-C2B-C3B	3.52	131.27	124.68
16	6	522	BCR	C24-C23-C22	-3.52	120.91	126.23
13	B	1239	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
13	f	1210	CLA	CMB-C2B-C3B	3.52	131.27	124.68
16	6	521	BCR	C3-C4-C5	-3.52	107.79	114.08
16	d	521	BCR	C3-C4-C5	-3.52	107.79	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	d	522	BCR	C24-C23-C22	-3.52	120.92	126.23
13	A	1133	CLA	CMB-C2B-C3B	3.52	131.26	124.68
13	f	1214	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
13	f	1222	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
13	J	1302	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
16	a	522	BCR	C28-C27-C26	-3.51	107.81	114.08
16	5	522	BCR	C24-C23-C22	-3.51	120.93	126.23
16	v	523	BCR	C16-C17-C18	-3.51	122.30	127.31
13	6	508	CLA	CMB-C2B-C3B	3.51	131.24	124.68
16	1	521	BCR	C28-C27-C26	-3.51	107.81	114.08
13	e	1133	CLA	CMB-C2B-C3B	3.51	131.24	124.68
13	B	1222	CLA	O2D-CGD-O1D	-3.51	116.98	123.84
16	H	4010	BCR	C39-C30-C25	-3.50	104.61	110.30
13	c	517	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
13	4	505	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
16	B	4010	BCR	C39-C30-C25	-3.50	104.62	110.30
13	v	505	CLA	CMB-C2B-C3B	3.50	131.23	124.68
13	H	1239	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
16	6	523	BCR	C16-C17-C18	-3.50	122.31	127.31
16	3	522	BCR	C28-C27-C26	-3.50	107.82	114.08
16	Y	521	BCR	C28-C27-C26	-3.50	107.82	114.08
13	b	505	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
13	d	506	CLA	CMB-C2B-C3B	3.50	131.23	124.68
16	f	4010	BCR	C39-C30-C25	-3.50	104.62	110.30
13	Y	510	CLA	CMB-C2B-C3B	3.50	131.23	124.68
13	t	505	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
13	H	1210	CLA	CMB-C2B-C3B	3.50	131.22	124.68
16	u	522	BCR	C24-C23-C22	-3.50	120.95	126.23
16	q	521	BCR	C11-C10-C9	-3.50	122.32	127.31
16	b	522	BCR	C28-C27-C26	-3.50	107.84	114.08
16	c	522	BCR	C24-C23-C22	-3.49	120.96	126.23
16	t	522	BCR	C28-C27-C26	-3.49	107.84	114.08
13	6	505	CLA	CMB-C2B-C3B	3.49	131.21	124.68
16	B	4014	BCR	C20-C19-C18	-3.49	116.61	126.42
16	Y	521	BCR	C11-C10-C9	-3.49	122.33	127.31
13	H	1217	CLA	CMB-C2B-C3B	3.49	131.21	124.68
16	H	4014	BCR	C20-C19-C18	-3.49	116.62	126.42
16	q	521	BCR	C28-C27-C26	-3.49	107.85	114.08
16	4	522	BCR	C28-C27-C26	-3.49	107.85	114.08
16	s	522	BCR	C28-C27-C26	-3.49	107.85	114.08
16	n	4020	BCR	C15-C14-C13	-3.49	122.33	127.31
13	e	1137	CLA	O2D-CGD-CBD	3.49	117.46	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	u	517	CLA	CMB-C2B-C1B	-3.49	123.11	128.46
16	c	521	BCR	C7-C8-C9	-3.49	120.97	126.23
13	v	508	CLA	CMB-C2B-C3B	3.48	131.20	124.68
16	1	521	BCR	C11-C10-C9	-3.48	122.34	127.31
13	f	1220	CLA	CAA-C2A-C1A	-3.48	100.56	111.97
13	d	505	CLA	CMB-C2B-C3B	3.48	131.19	124.68
16	l	4013	BCR	C11-C10-C9	-3.48	122.34	127.31
16	f	4014	BCR	C20-C19-C18	-3.48	116.64	126.42
16	d	523	BCR	C16-C17-C18	-3.48	122.35	127.31
13	5	517	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
13	G	1137	CLA	O2D-CGD-CBD	3.48	117.45	111.27
16	L	4020	BCR	C15-C14-C13	-3.48	122.35	127.31
13	6	506	CLA	CMB-C2B-C3B	3.48	131.18	124.68
13	B	1220	CLA	CAA-C2A-C1A	-3.48	100.58	111.97
13	v	506	CLA	CMB-C2B-C3B	3.48	131.18	124.68
13	f	1217	CLA	CMB-C2B-C3B	3.48	131.18	124.68
13	5	518	CLA	CMB-C2B-C1B	-3.47	123.12	128.46
13	H	1220	CLA	CAA-C2A-C1A	-3.47	100.59	111.97
13	H	1222	CLA	O2D-CGD-O1D	-3.47	117.05	123.84
13	c	518	CLA	CMB-C2B-C1B	-3.47	123.12	128.46
16	V	4020	BCR	C15-C14-C13	-3.47	122.35	127.31
13	d	508	CLA	CMB-C2B-C3B	3.47	131.17	124.68
13	f	1206	CLA	CMB-C2B-C3B	3.47	131.17	124.68
16	d	522	BCR	C11-C10-C9	-3.47	122.36	127.31
16	e	4007	BCR	C20-C21-C22	-3.47	122.36	127.31
13	B	1217	CLA	CMB-C2B-C3B	3.47	131.17	124.68
13	A	1137	CLA	O2D-CGD-CBD	3.47	117.43	111.27
13	A	1139	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
13	u	518	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
16	T	4013	BCR	C11-C10-C9	-3.47	122.36	127.31
13	B	1206	CLA	CMB-C2B-C3B	3.47	131.16	124.68
13	1	510	CLA	CMB-C2B-C3B	3.47	131.16	124.68
13	q	512	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
16	6	522	BCR	C3-C4-C5	-3.46	107.89	114.08
16	d	522	BCR	C3-C4-C5	-3.46	107.89	114.08
13	t	507	CLA	O2D-CGD-O1D	-3.46	117.07	123.84
20	n	5216	SQD	C4-C3-C2	3.46	116.87	110.82
13	e	1139	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
16	v	522	BCR	C11-C10-C9	-3.46	122.37	127.31
16	v	522	BCR	C3-C4-C5	-3.46	107.90	114.08
13	A	1011	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
16	5	521	BCR	C7-C8-C9	-3.46	121.01	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	507	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
13	l	512	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
13	q	510	CLA	CMB-C2B-C3B	3.46	131.15	124.68
16	s	524	BCR	C7-C8-C9	-3.46	121.01	126.23
13	G	1139	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
16	u	521	BCR	C7-C8-C9	-3.46	121.01	126.23
13	4	507	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
13	r	505	CLA	CMB-C2B-C3B	3.46	131.14	124.68
13	G	1011	CLA	CMB-C2B-C1B	-3.45	123.15	128.46
16	6	522	BCR	C11-C10-C9	-3.45	122.38	127.31
16	J	4013	BCR	C11-C10-C9	-3.45	122.38	127.31
16	G	4007	BCR	C20-C21-C22	-3.45	122.38	127.31
13	2	505	CLA	CMB-C2B-C3B	3.45	131.14	124.68
13	s	517	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
16	H	4017	BCR	C10-C11-C12	-3.45	112.45	123.22
16	A	4007	BCR	C27-C26-C25	-3.45	117.72	122.73
16	o	4021	BCR	C20-C21-C22	-3.45	122.39	127.31
16	J	4015	BCR	C32-C1-C6	-3.45	104.71	110.30
16	M	4021	BCR	C20-C21-C22	-3.45	122.39	127.31
13	t	508	CLA	CMB-C2B-C3B	3.45	131.13	124.68
13	Y	512	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
16	o	4021	BCR	C28-C27-C26	-3.45	107.92	114.08
13	H	1206	CLA	CMB-C2B-C3B	3.45	131.13	124.68
13	Z	505	CLA	CMB-C2B-C3B	3.45	131.13	124.68
16	W	4021	BCR	C20-C21-C22	-3.45	122.39	127.31
16	W	4021	BCR	C28-C27-C26	-3.44	107.93	114.08
16	t	524	BCR	C7-C8-C9	-3.44	121.03	126.23
16	A	4007	BCR	C20-C21-C22	-3.44	122.39	127.31
16	a	521	BCR	C20-C21-C22	-3.44	122.39	127.31
16	H	4017	BCR	C15-C14-C13	-3.44	122.39	127.31
20	L	5216	SQD	C4-C3-C2	3.44	116.83	110.82
16	T	4015	BCR	C32-C1-C6	-3.44	104.71	110.30
13	H	1208	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
16	S	4018	BCR	C27-C26-C25	-3.44	117.73	122.73
16	B	4009	BCR	C11-C10-C9	-3.44	122.40	127.31
16	B	4017	BCR	C10-C11-C12	-3.44	112.48	123.22
16	5	523	BCR	C15-C16-C17	-3.44	116.43	123.47
13	e	1011	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
13	b	508	CLA	CMB-C2B-C3B	3.44	131.11	124.68
16	G	4007	BCR	C27-C26-C25	-3.44	117.74	122.73
16	3	524	BCR	C7-C8-C9	-3.44	121.04	126.23
13	4	508	CLA	CMB-C2B-C3B	3.44	131.10	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	H	4009	BCR	C11-C10-C9	-3.43	122.41	127.31
16	M	4021	BCR	C28-C27-C26	-3.43	107.94	114.08
13	f	1235	CLA	O2D-CGD-O1D	-3.43	117.12	123.84
16	H	4010	BCR	C16-C17-C18	-3.43	122.41	127.31
16	B	4009	BCR	C24-C23-C22	-3.43	121.05	126.23
16	b	524	BCR	C7-C8-C9	-3.43	121.05	126.23
16	3	521	BCR	C20-C21-C22	-3.43	122.41	127.31
13	v	509	CLA	CMB-C2B-C3B	3.43	131.10	124.68
20	V	5216	SQD	C4-C3-C2	3.43	116.81	110.82
16	3	524	BCR	C33-C5-C6	-3.43	120.67	124.53
16	f	4017	BCR	C10-C11-C12	-3.43	112.51	123.22
13	V	1502	CLA	CMB-C2B-C3B	3.43	131.09	124.68
16	s	524	BCR	C33-C5-C6	-3.43	120.68	124.53
16	B	4010	BCR	C16-C17-C18	-3.43	122.42	127.31
13	H	1201	CLA	O2D-CGD-O1D	-3.43	117.14	123.84
13	H	1235	CLA	O2D-CGD-O1D	-3.43	117.14	123.84
13	B	1208	CLA	CMB-C2B-C1B	-3.43	123.20	128.46
16	H	4009	BCR	C24-C23-C22	-3.43	121.06	126.23
13	L	1502	CLA	CMB-C2B-C3B	3.43	131.09	124.68
16	a	524	BCR	C7-C8-C9	-3.43	121.06	126.23
16	l	4015	BCR	C32-C1-C6	-3.43	104.74	110.30
16	c	523	BCR	C15-C16-C17	-3.42	116.46	123.47
13	3	505	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
16	l	4013	BCR	C2-C1-C6	3.42	115.75	110.48
13	B	1235	CLA	O2D-CGD-O1D	-3.42	117.14	123.84
16	I	4018	BCR	C27-C26-C25	-3.42	117.76	122.73
16	4	524	BCR	C7-C8-C9	-3.42	121.06	126.23
20	c	822	SQD	O47-C7-C8	3.42	118.87	111.50
16	f	4009	BCR	C24-C23-C22	-3.42	121.07	126.23
16	v	524	BCR	C20-C21-C22	-3.42	122.43	127.31
13	f	1208	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
16	u	523	BCR	C15-C16-C17	-3.42	116.47	123.47
16	e	4007	BCR	C27-C26-C25	-3.42	117.77	122.73
16	6	524	BCR	C20-C21-C22	-3.42	122.43	127.31
16	f	4010	BCR	C16-C17-C18	-3.42	122.43	127.31
16	f	4017	BCR	C15-C14-C13	-3.42	122.43	127.31
13	3	517	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
13	f	1201	CLA	O2D-CGD-O1D	-3.42	117.16	123.84
16	G	4008	BCR	C33-C5-C6	-3.42	120.69	124.53
13	6	509	CLA	CMB-C2B-C3B	3.42	131.07	124.68
13	a	505	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
16	k	4018	BCR	C27-C26-C25	-3.41	117.77	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	507	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
16	B	4017	BCR	C15-C14-C13	-3.41	122.44	127.31
16	d	524	BCR	C20-C21-C22	-3.41	122.44	127.31
16	f	4009	BCR	C11-C10-C9	-3.41	122.44	127.31
16	s	521	BCR	C20-C21-C22	-3.41	122.44	127.31
16	J	4013	BCR	C2-C1-C6	3.41	115.73	110.48
16	e	4008	BCR	C33-C5-C6	-3.41	120.70	124.53
13	B	1201	CLA	O2D-CGD-O1D	-3.41	117.17	123.84
13	A	1128	CLA	O2D-CGD-O1D	-3.41	117.18	123.84
13	H	1202	CLA	O2D-CGD-O1D	-3.41	117.18	123.84
20	u	822	SQD	O47-C7-C8	3.41	118.84	111.50
13	2	512	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
13	e	1128	CLA	O2D-CGD-O1D	-3.41	117.18	123.84
13	d	509	CLA	CMB-C2B-C3B	3.41	131.05	124.68
13	t	507	CLA	CMB-C2B-C1B	-3.40	123.23	128.46
13	a	517	CLA	CMB-C2B-C1B	-3.40	123.23	128.46
20	5	822	SQD	O47-C7-C8	3.40	118.84	111.50
14	f	2002	PQN	C14-C13-C15	-3.40	109.55	115.27
13	U	1105	CLA	CBC-CAC-C3C	3.40	121.81	112.43
16	A	4008	BCR	C33-C5-C6	-3.40	120.71	124.53
16	a	524	BCR	C33-C5-C6	-3.40	120.71	124.53
16	T	4013	BCR	C2-C1-C6	3.40	115.72	110.48
13	B	1012	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
13	H	1227	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
13	d	502	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
13	e	1132	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
13	A	1123	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
13	f	1227	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
16	c	521	BCR	C11-C10-C9	-3.40	122.46	127.31
13	4	507	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
16	f	4006	BCR	C33-C5-C6	-3.40	120.71	124.53
13	n	1502	CLA	CMB-C2B-C3B	3.40	131.03	124.68
13	s	505	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
13	f	1202	CLA	O2D-CGD-O1D	-3.40	117.20	123.84
16	U	4104	BCR	C16-C17-C18	-3.39	122.47	127.31
13	u	512	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
13	B	1202	CLA	O2D-CGD-O1D	-3.39	117.20	123.84
13	f	1012	CLA	O2D-CGD-O1D	-3.39	117.20	123.84
13	r	512	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
13	v	502	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
16	B	4006	BCR	C33-C5-C6	-3.39	120.72	124.53
13	A	1132	CLA	CMB-C2B-C1B	-3.39	123.25	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Z	512	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
20	b	822	SQD	O7-S-C6	3.39	110.97	106.94
13	H	1012	CLA	O2D-CGD-O1D	-3.39	117.21	123.84
16	1	521	BCR	C20-C21-C22	-3.39	122.47	127.31
13	6	502	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
13	G	1128	CLA	O2D-CGD-O1D	-3.39	117.22	123.84
14	B	2002	PQN	C14-C13-C15	-3.39	109.58	115.27
13	K	1105	CLA	CBC-CAC-C3C	3.39	121.77	112.43
13	m	1105	CLA	CBC-CAC-C3C	3.39	121.77	112.43
16	3	524	BCR	C16-C17-C18	-3.39	122.48	127.31
16	f	4006	BCR	C16-C17-C18	-3.39	122.48	127.31
13	G	1123	CLA	O2D-CGD-O1D	-3.38	117.22	123.84
13	B	1227	CLA	O2D-CGD-O1D	-3.38	117.22	123.84
13	e	1123	CLA	O2D-CGD-O1D	-3.38	117.23	123.84
16	v	522	BCR	C28-C27-C26	-3.38	108.04	114.08
16	H	4006	BCR	C33-C5-C6	-3.38	120.73	124.53
16	a	524	BCR	C16-C17-C18	-3.38	122.49	127.31
16	c	522	BCR	C7-C8-C9	-3.38	121.13	126.23
16	B	4006	BCR	C16-C17-C18	-3.38	122.49	127.31
13	B	1204	CLA	CMB-C2B-C3B	3.38	131.00	124.68
16	G	4007	BCR	C24-C23-C22	-3.38	121.13	126.23
13	f	1204	CLA	CMB-C2B-C3B	3.38	131.00	124.68
13	5	512	CLA	CMB-C2B-C1B	-3.38	123.28	128.46
16	K	4104	BCR	C16-C17-C18	-3.38	122.49	127.31
16	u	521	BCR	C11-C10-C9	-3.38	122.49	127.31
16	5	522	BCR	C7-C8-C9	-3.38	121.13	126.23
20	u	822	SQD	O7-S-C6	3.38	110.95	106.94
16	T	4015	BCR	C11-C10-C9	-3.38	122.49	127.31
13	H	1205	CLA	O2D-CGD-O1D	-3.37	117.24	123.84
16	5	521	BCR	C11-C10-C9	-3.37	122.49	127.31
13	G	1108	CLA	CMB-C2B-C3B	3.37	130.99	124.68
20	5	822	SQD	O7-S-C6	3.37	110.95	106.94
20	c	822	SQD	O7-S-C6	3.37	110.95	106.94
16	q	521	BCR	C20-C21-C22	-3.37	122.50	127.31
14	H	2002	PQN	C14-C13-C15	-3.37	109.60	115.27
13	G	1013	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
16	s	523	BCR	C7-C8-C9	-3.37	121.14	126.23
13	m	1401	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
20	t	822	SQD	O7-S-C6	3.37	110.94	106.94
16	d	522	BCR	C28-C27-C26	-3.37	108.06	114.08
13	t	509	CLA	CMB-C2B-C3B	3.37	130.98	124.68
16	A	4007	BCR	C24-C23-C22	-3.37	121.15	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	5	508	CLA	CMB-C2B-C3B	3.37	130.98	124.68
16	e	4007	BCR	C16-C17-C18	-3.37	122.51	127.31
13	4	509	CLA	CMB-C2B-C3B	3.37	130.97	124.68
13	H	1204	CLA	CMB-C2B-C3B	3.37	130.97	124.68
20	4	822	SQD	O7-S-C6	3.36	110.94	106.94
13	T	1303	CLA	CMB-C2B-C3B	3.36	130.97	124.68
16	Y	521	BCR	C20-C21-C22	-3.36	122.51	127.31
16	6	522	BCR	C28-C27-C26	-3.36	108.07	114.08
13	c	512	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
16	s	523	BCR	C11-C10-C9	-3.36	122.51	127.31
13	a	502	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
13	A	1108	CLA	CMB-C2B-C3B	3.36	130.97	124.68
16	H	4014	BCR	C16-C15-C14	-3.36	116.59	123.47
16	u	522	BCR	C7-C8-C9	-3.36	121.16	126.23
13	G	1132	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
13	b	509	CLA	CMB-C2B-C3B	3.36	130.96	124.68
13	B	1205	CLA	O2D-CGD-O1D	-3.36	117.28	123.84
16	3	523	BCR	C7-C8-C9	-3.36	121.16	126.23
13	f	1222	CLA	CAA-C2A-C1A	-3.36	100.98	111.97
13	J	1303	CLA	CMB-C2B-C3B	3.36	130.96	124.68
16	r	522	BCR	C7-C8-C9	-3.36	121.17	126.23
13	e	1108	CLA	CMB-C2B-C3B	3.35	130.95	124.68
16	e	4007	BCR	C24-C23-C22	-3.35	121.17	126.23
16	m	4104	BCR	C16-C17-C18	-3.35	122.52	127.31
13	f	1240	CLA	CMB-C2B-C3B	3.35	130.95	124.68
16	2	522	BCR	C7-C8-C9	-3.35	121.17	126.23
16	f	4014	BCR	C16-C15-C14	-3.35	116.61	123.47
16	s	524	BCR	C16-C17-C18	-3.35	122.53	127.31
13	f	1205	CLA	O2D-CGD-O1D	-3.35	117.28	123.84
13	B	1240	CLA	CMB-C2B-C3B	3.35	130.95	124.68
13	B	1222	CLA	CAA-C2A-C1A	-3.35	100.99	111.97
16	B	4014	BCR	C16-C15-C14	-3.35	116.61	123.47
13	A	1013	CLA	O2D-CGD-O1D	-3.35	117.29	123.84
13	H	1222	CLA	CAA-C2A-C1A	-3.35	101.00	111.97
16	J	4015	BCR	C11-C10-C9	-3.35	122.53	127.31
13	U	1401	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
16	A	4007	BCR	C16-C17-C18	-3.35	122.53	127.31
16	Z	522	BCR	C7-C8-C9	-3.35	121.18	126.23
16	a	523	BCR	C11-C10-C9	-3.35	122.53	127.31
13	H	1240	CLA	CMB-C2B-C3B	3.34	130.94	124.68
13	l	1303	CLA	CMB-C2B-C3B	3.34	130.94	124.68
13	U	1103	CLA	CMB-C2B-C1B	-3.34	123.32	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	G	4007	BCR	C16-C17-C18	-3.34	122.54	127.31
16	l	4015	BCR	C11-C10-C9	-3.34	122.54	127.31
13	K	1401	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
13	s	502	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
16	H	4006	BCR	C16-C17-C18	-3.34	122.54	127.31
13	e	1013	CLA	O2D-CGD-O1D	-3.34	117.30	123.84
16	2	524	BCR	C7-C8-C9	-3.34	121.19	126.23
16	a	523	BCR	C7-C8-C9	-3.34	121.19	126.23
13	3	502	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
13	2	513	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
13	r	513	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
13	u	508	CLA	CMB-C2B-C3B	3.34	130.92	124.68
16	5	522	BCR	C28-C27-C26	-3.34	108.12	114.08
16	r	524	BCR	C7-C8-C9	-3.34	121.19	126.23
16	3	523	BCR	C11-C10-C9	-3.34	122.55	127.31
16	Z	524	BCR	C7-C8-C9	-3.33	121.20	126.23
13	c	508	CLA	CMB-C2B-C3B	3.33	130.91	124.68
16	u	522	BCR	C28-C27-C26	-3.33	108.13	114.08
14	G	2001	PQN	C14-C13-C15	-3.33	109.67	115.27
13	3	518	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
13	e	1112	CLA	CHB-C4A-NA	3.33	129.11	124.51
13	l	513	CLA	CMB-C2B-C3B	3.32	130.90	124.68
16	c	522	BCR	C28-C27-C26	-3.32	108.14	114.08
16	L	4022	BCR	C20-C21-C22	-3.32	122.57	127.31
16	4	521	BCR	C11-C10-C9	-3.32	122.57	127.31
13	Z	513	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
16	5	521	BCR	C24-C23-C22	-3.32	121.22	126.23
13	2	511	CLA	CMB-C2B-C3B	3.32	130.89	124.68
13	Z	511	CLA	CMB-C2B-C3B	3.32	130.89	124.68
13	Y	513	CLA	CMB-C2B-C3B	3.32	130.89	124.68
13	a	518	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
14	A	2001	PQN	C14-C13-C15	-3.32	109.69	115.27
16	V	4022	BCR	C20-C21-C22	-3.32	122.58	127.31
13	3	503	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
13	G	1112	CLA	CHB-C4A-NA	3.31	129.09	124.51
16	n	4022	BCR	C20-C21-C22	-3.31	122.58	127.31
13	Y	517	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
13	r	511	CLA	CMB-C2B-C3B	3.31	130.87	124.68
13	B	1204	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
13	q	503	CLA	CMB-C2B-C3B	3.31	130.87	124.68
16	s	522	BCR	C24-C23-C22	-3.31	121.23	126.23
13	A	1101	CLA	O2D-CGD-O1D	-3.31	117.37	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1136	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
13	K	1103	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
13	G	1122	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
16	b	521	BCR	C11-C10-C9	-3.31	122.59	127.31
13	Y	501	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
13	l	517	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
13	A	1112	CLA	CHB-C4A-NA	3.30	129.08	124.51
13	G	1022	CLA	C1B-CHB-C4A	-3.30	123.58	130.12
13	G	1134	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
13	q	513	CLA	CMB-C2B-C3B	3.30	130.86	124.68
16	a	523	BCR	C16-C17-C18	-3.30	122.60	127.31
16	n	4219	BCR	C24-C23-C22	-3.30	121.24	126.23
16	u	521	BCR	C24-C23-C22	-3.30	121.24	126.23
13	G	1101	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
13	f	1204	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
16	m	4104	BCR	C11-C10-C9	-3.30	122.60	127.31
20	V	5216	SQD	O9-S-C6	3.30	110.86	106.94
13	l	503	CLA	CMB-C2B-C3B	3.30	130.85	124.68
14	e	2001	PQN	C14-C13-C15	-3.30	109.72	115.27
13	H	1204	CLA	O2D-CGD-O1D	-3.30	117.39	123.84
16	t	521	BCR	C11-C10-C9	-3.30	122.60	127.31
13	e	1122	CLA	CMB-C2B-C1B	-3.30	123.40	128.46
13	e	1136	CLA	CMB-C2B-C1B	-3.30	123.40	128.46
13	A	1107	CLA	CMB-C2B-C3B	3.30	130.84	124.68
13	l	501	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
13	A	1022	CLA	C1B-CHB-C4A	-3.29	123.59	130.12
13	m	1103	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
16	U	4104	BCR	C11-C10-C9	-3.29	122.61	127.31
13	e	1134	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
13	e	1022	CLA	C1B-CHB-C4A	-3.29	123.60	130.12
13	e	1101	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
13	s	518	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
20	L	5216	SQD	O9-S-C6	3.29	110.85	106.94
16	K	4104	BCR	C11-C10-C9	-3.29	122.61	127.31
13	A	1122	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
13	G	1136	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
13	s	503	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
16	V	4219	BCR	C24-C23-C22	-3.29	121.27	126.23
13	5	511	CLA	CMB-C2B-C3B	3.29	130.83	124.68
13	A	1134	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
16	s	523	BCR	C16-C17-C18	-3.29	122.62	127.31
13	a	503	CLA	CMB-C2B-C1B	-3.29	123.41	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	c	521	BCR	C24-C23-C22	-3.28	121.27	126.23
13	6	512	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
13	q	517	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
13	q	505	CLA	CMB-C2B-C3B	3.28	130.82	124.68
16	L	4219	BCR	C24-C23-C22	-3.28	121.28	126.23
20	a	822	SQD	O47-C7-C8	3.28	118.57	111.50
13	Y	503	CLA	CMB-C2B-C3B	3.28	130.82	124.68
13	u	511	CLA	CMB-C2B-C3B	3.28	130.81	124.68
13	G	1101	CLA	O2D-CGD-CBD	3.28	117.09	111.27
13	q	501	CLA	O2D-CGD-O1D	-3.28	117.43	123.84
16	u	524	BCR	C16-C17-C18	-3.28	122.63	127.31
13	d	512	CLA	CMB-C2B-C1B	-3.28	123.43	128.46
13	v	512	CLA	CMB-C2B-C1B	-3.28	123.43	128.46
16	V	4022	BCR	C15-C14-C13	-3.28	122.64	127.31
13	Y	505	CLA	CMB-C2B-C3B	3.27	130.81	124.68
16	Y	522	BCR	C24-C23-C22	-3.27	121.29	126.23
13	G	1107	CLA	CMB-C2B-C3B	3.27	130.80	124.68
16	l	522	BCR	C24-C23-C22	-3.27	121.29	126.23
13	e	1107	CLA	CMB-C2B-C3B	3.27	130.80	124.68
16	q	522	BCR	C28-C27-C26	-3.27	108.23	114.08
13	c	516	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
16	3	523	BCR	C16-C17-C18	-3.27	122.64	127.31
16	a	522	BCR	C24-C23-C22	-3.27	121.30	126.23
13	l	505	CLA	CMB-C2B-C3B	3.27	130.79	124.68
13	a	516	CLA	CBC-CAC-C3C	3.27	121.44	112.43
13	G	1106	CLA	O2A-CGA-O1A	-3.27	115.35	123.59
20	l	822	SQD	C3-C4-C5	3.27	116.06	110.24
16	l	521	BCR	C7-C8-C9	-3.27	121.30	126.23
13	B	1239	CLA	O2D-CGD-O1D	-3.27	117.45	123.84
13	H	1239	CLA	O2D-CGD-O1D	-3.27	117.45	123.84
16	l	522	BCR	C28-C27-C26	-3.26	108.25	114.08
13	f	1239	CLA	O2D-CGD-O1D	-3.26	117.46	123.84
16	c	524	BCR	C16-C17-C18	-3.26	122.65	127.31
20	3	822	SQD	O47-C7-C8	3.26	118.53	111.50
16	q	521	BCR	C7-C8-C9	-3.26	121.31	126.23
20	n	5216	SQD	O9-S-C6	3.26	110.82	106.94
20	c	822	SQD	C1-O5-C5	3.26	120.09	113.69
13	f	1230	CLA	O2D-CGD-O1D	-3.26	117.46	123.84
13	Y	516	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
16	3	522	BCR	C24-C23-C22	-3.26	121.31	126.23
16	n	4020	BCR	C20-C21-C22	-3.26	122.66	127.31
13	G	1124	CLA	CAA-C2A-C1A	-3.26	101.29	111.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	1	516	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
13	c	511	CLA	CMB-C2B-C3B	3.26	130.78	124.68
13	B	1223	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
16	b	524	BCR	C20-C21-C22	-3.26	122.66	127.31
16	a	521	BCR	C24-C23-C22	-3.26	121.31	126.23
16	Z	524	BCR	C33-C5-C6	-3.26	120.87	124.53
13	c	506	CLA	CMB-C2B-C3B	3.26	130.77	124.68
13	u	506	CLA	CMB-C2B-C3B	3.26	130.77	124.68
16	3	521	BCR	C24-C23-C22	-3.26	121.31	126.23
13	A	1101	CLA	O2D-CGD-CBD	3.26	117.06	111.27
13	e	1106	CLA	O2A-CGA-O1A	-3.26	115.38	123.59
13	G	1118	CLA	O2D-CGD-O1D	-3.25	117.47	123.84
13	5	516	CLA	CMB-C2B-C1B	-3.25	123.46	128.46
13	G	1137	CLA	CHB-C4A-NA	3.25	129.01	124.51
16	L	4020	BCR	C20-C21-C22	-3.25	122.67	127.31
13	3	516	CLA	CBC-CAC-C3C	3.25	121.40	112.43
13	A	1124	CLA	CAA-C2A-C1A	-3.25	101.32	111.97
13	e	1101	CLA	O2D-CGD-CBD	3.25	117.05	111.27
13	d	513	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
13	s	516	CLA	CBC-CAC-C3C	3.25	121.39	112.43
20	H	1852	SQD	O8-S-C6	3.25	110.92	105.74
16	5	524	BCR	C16-C17-C18	-3.25	122.67	127.31
13	f	1223	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
13	e	1124	CLA	CAA-C2A-C1A	-3.25	101.33	111.97
13	f	1213	CLA	O2D-CGD-O1D	-3.25	117.49	123.84
16	Y	521	BCR	C7-C8-C9	-3.25	121.33	126.23
16	q	522	BCR	C24-C23-C22	-3.25	121.33	126.23
13	c	504	CLA	CMB-C2B-C3B	3.25	130.76	124.68
13	t	511	CLA	CMB-C2B-C3B	3.25	130.76	124.68
16	G	4001	BCR	C24-C23-C22	-3.25	121.33	126.23
13	q	516	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
16	V	4020	BCR	C20-C21-C22	-3.25	122.67	127.31
16	4	524	BCR	C20-C21-C22	-3.25	122.68	127.31
13	4	504	CLA	CMB-C2B-C3B	3.25	130.75	124.68
16	t	524	BCR	C20-C21-C22	-3.25	122.68	127.31
13	e	1138	CLA	CMB-C2B-C3B	3.25	130.75	124.68
13	u	516	CLA	CMB-C2B-C1B	-3.25	123.48	128.46
20	s	822	SQD	O47-C7-C8	3.24	118.49	111.50
13	A	1106	CLA	O2A-CGA-O1A	-3.24	115.40	123.59
13	b	504	CLA	CMB-C2B-C3B	3.24	130.75	124.68
20	Y	822	SQD	C3-C4-C5	3.24	116.03	110.24
20	q	822	SQD	C3-C4-C5	3.24	116.03	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	5	506	CLA	CMB-C2B-C3B	3.24	130.75	124.68
13	1	504	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
16	Y	522	BCR	C28-C27-C26	-3.24	108.29	114.08
13	q	504	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
13	5	504	CLA	CMB-C2B-C3B	3.24	130.74	124.68
13	b	511	CLA	CMB-C2B-C3B	3.24	130.74	124.68
13	B	1230	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
16	t	522	BCR	C20-C21-C22	-3.24	122.69	127.31
13	G	1110	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
13	A	1118	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
13	B	1213	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
13	A	1137	CLA	CHB-C4A-NA	3.24	128.99	124.51
13	H	1223	CLA	O2D-CGD-O1D	-3.24	117.51	123.84
16	4	522	BCR	C20-C21-C22	-3.24	122.69	127.31
13	H	1213	CLA	O2D-CGD-O1D	-3.24	117.51	123.84
20	5	822	SQD	C1-O5-C5	3.24	120.04	113.69
13	A	1110	CLA	O2D-CGD-O1D	-3.24	117.51	123.84
13	H	1202	CLA	CHB-C4A-NA	3.24	128.99	124.51
13	B	1202	CLA	CHB-C4A-NA	3.23	128.99	124.51
13	Y	504	CLA	CMB-C2B-C1B	-3.23	123.49	128.46
16	r	524	BCR	C33-C5-C6	-3.23	120.90	124.53
16	L	4022	BCR	C15-C14-C13	-3.23	122.70	127.31
13	e	1137	CLA	CHB-C4A-NA	3.23	128.98	124.51
16	2	524	BCR	C33-C5-C6	-3.23	120.90	124.53
13	u	504	CLA	CMB-C2B-C3B	3.23	130.72	124.68
13	f	1236	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
13	e	1102	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
13	2	516	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
13	G	1138	CLA	CMB-C2B-C3B	3.23	130.72	124.68
13	B	1236	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
13	G	1101	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
13	d	501	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
16	b	522	BCR	C20-C21-C22	-3.23	122.70	127.31
16	e	4001	BCR	C24-C23-C22	-3.23	121.36	126.23
13	G	1102	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
13	4	511	CLA	CMB-C2B-C3B	3.23	130.72	124.68
13	r	516	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
13	A	1102	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
13	A	1138	CLA	CMB-C2B-C3B	3.22	130.71	124.68
13	6	513	CLA	CMB-C2B-C1B	-3.22	123.51	128.46
13	f	1202	CLA	CHB-C4A-NA	3.22	128.97	124.51
16	m	4104	BCR	C30-C25-C26	-3.22	118.07	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	u	501	CLA	CMB-C2B-C3B	3.22	130.71	124.68
20	B	1852	SQD	O8-S-C6	3.22	110.88	105.74
13	e	1110	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
16	u	523	BCR	C28-C27-C26	-3.22	108.32	114.08
13	G	1105	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
13	f	1221	CLA	CHB-C4A-NA	3.22	128.97	124.51
16	f	4009	BCR	C33-C5-C6	-3.22	120.91	124.53
16	A	4001	BCR	C24-C23-C22	-3.22	121.37	126.23
16	s	521	BCR	C24-C23-C22	-3.22	121.37	126.23
13	e	1118	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
13	A	1101	CLA	CMB-C2B-C1B	-3.22	123.51	128.46
13	a	510	CLA	CHB-C4A-NA	3.22	128.97	124.51
13	v	513	CLA	CMB-C2B-C1B	-3.22	123.52	128.46
13	T	1303	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
13	5	513	CLA	CMB-C2B-C1B	-3.22	123.52	128.46
16	Z	521	BCR	C7-C8-C9	-3.22	121.37	126.23
13	J	1303	CLA	O2D-CGD-O1D	-3.22	117.55	123.84
13	d	510	CLA	CMB-C2B-C3B	3.22	130.70	124.68
13	t	504	CLA	CMB-C2B-C3B	3.22	130.70	124.68
20	u	822	SQD	C1-O5-C5	3.22	120.00	113.69
13	u	513	CLA	CMB-C2B-C1B	-3.22	123.52	128.46
16	2	522	BCR	C28-C27-C26	-3.22	108.33	114.08
16	r	521	BCR	C7-C8-C9	-3.22	121.38	126.23
13	e	1105	CLA	O2D-CGD-O1D	-3.22	117.55	123.84
16	n	4022	BCR	C15-C14-C13	-3.22	122.72	127.31
13	B	1221	CLA	CHB-C4A-NA	3.21	128.96	124.51
13	c	513	CLA	CMB-C2B-C1B	-3.21	123.52	128.46
13	5	501	CLA	CMB-C2B-C3B	3.21	130.69	124.68
13	Z	516	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
20	f	1852	SQD	O8-S-C6	3.21	110.86	105.74
13	A	1105	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
16	3	521	BCR	C11-C10-C9	-3.21	122.73	127.31
13	c	501	CLA	CMB-C2B-C3B	3.21	130.69	124.68
13	v	507	CLA	CMB-C2B-C3B	3.21	130.68	124.68
13	H	1230	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
16	s	521	BCR	C11-C10-C9	-3.21	122.73	127.31
16	r	522	BCR	C28-C27-C26	-3.21	108.35	114.08
13	e	1109	CLA	CMB-C2B-C3B	3.21	130.68	124.68
16	5	523	BCR	C28-C27-C26	-3.21	108.35	114.08
16	2	521	BCR	C7-C8-C9	-3.21	121.39	126.23
13	G	1137	CLA	CMB-C2B-C1B	-3.21	123.54	128.46
13	e	1101	CLA	CMB-C2B-C1B	-3.20	123.54	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	s	510	CLA	CHB-C4A-NA	3.20	128.94	124.51
13	e	1139	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
13	s	507	CLA	CMB-C2B-C3B	3.20	130.67	124.68
13	G	1109	CLA	CMB-C2B-C3B	3.20	130.67	124.68
13	3	510	CLA	CHB-C4A-NA	3.20	128.94	124.51
13	e	1137	CLA	CMB-C2B-C1B	-3.20	123.54	128.46
13	6	507	CLA	CMB-C2B-C3B	3.20	130.67	124.68
13	d	507	CLA	CMB-C2B-C3B	3.20	130.67	124.68
16	a	521	BCR	C11-C10-C9	-3.20	122.74	127.31
13	6	510	CLA	CMB-C2B-C3B	3.20	130.67	124.68
13	Z	501	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
13	A	1137	CLA	CMB-C2B-C1B	-3.20	123.55	128.46
13	H	1236	CLA	CMB-C2B-C1B	-3.20	123.55	128.46
16	K	4104	BCR	C30-C25-C26	-3.20	118.11	122.61
16	u	521	BCR	C3-C4-C5	-3.20	108.37	114.08
13	H	1221	CLA	CHB-C4A-NA	3.20	128.93	124.51
13	a	516	CLA	CMB-C2B-C3B	3.20	130.66	124.68
13	A	1139	CLA	O2D-CGD-O1D	-3.20	117.59	123.84
13	3	516	CLA	CMB-C2B-C3B	3.19	130.65	124.68
16	5	521	BCR	C3-C4-C5	-3.19	108.38	114.08
13	G	1139	CLA	O2D-CGD-O1D	-3.19	117.59	123.84
16	H	4009	BCR	C33-C5-C6	-3.19	120.94	124.53
16	Z	522	BCR	C28-C27-C26	-3.19	108.38	114.08
13	G	1134	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
13	6	501	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
13	l	1303	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
13	A	1109	CLA	CMB-C2B-C3B	3.19	130.65	124.68
16	e	4007	BCR	C7-C8-C9	-3.19	121.42	126.23
16	c	523	BCR	C28-C27-C26	-3.19	108.38	114.08
16	e	4003	BCR	C20-C21-C22	-3.19	122.76	127.31
16	n	4019	BCR	C28-C27-C26	-3.19	108.39	114.08
13	2	501	CLA	O2D-CGD-O1D	-3.19	117.61	123.84
16	A	4007	BCR	C7-C8-C9	-3.19	121.42	126.23
13	f	1215	CLA	O2D-CGD-O1D	-3.18	117.61	123.84
16	V	4020	BCR	C37-C22-C21	-3.18	118.46	122.92
13	v	510	CLA	CMB-C2B-C3B	3.18	130.63	124.68
13	f	1226	CLA	O2D-CGD-O1D	-3.18	117.61	123.84
16	G	4003	BCR	C20-C21-C22	-3.18	122.77	127.31
13	A	1134	CLA	O2D-CGD-O1D	-3.18	117.62	123.84
16	d	524	BCR	C15-C16-C17	-3.18	116.96	123.47
13	3	507	CLA	CMB-C2B-C3B	3.18	130.63	124.68
16	L	4020	BCR	C37-C22-C21	-3.18	118.47	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1226	CLA	O2D-CGD-O1D	-3.18	117.62	123.84
13	n	1501	CLA	CMB-C2B-C3B	3.18	130.63	124.68
16	V	4019	BCR	C28-C27-C26	-3.18	108.40	114.08
13	s	516	CLA	CMB-C2B-C3B	3.18	130.63	124.68
16	G	4007	BCR	C7-C8-C9	-3.18	121.43	126.23
16	Y	523	BCR	C28-C27-C26	-3.18	108.40	114.08
13	G	1112	CLA	O2D-CGD-O1D	-3.18	117.62	123.84
13	v	501	CLA	O2D-CGD-O1D	-3.18	117.62	123.84
16	v	524	BCR	C15-C16-C17	-3.18	116.96	123.47
13	a	507	CLA	CMB-C2B-C3B	3.18	130.62	124.68
13	t	510	CLA	CMB-C2B-C3B	3.18	130.62	124.68
13	q	512	CLA	C6-C5-C3	-3.18	109.42	114.62
13	H	1226	CLA	O2D-CGD-O1D	-3.18	117.63	123.84
16	G	4001	BCR	C11-C10-C9	-3.18	122.78	127.31
16	c	521	BCR	C3-C4-C5	-3.17	108.41	114.08
16	n	4020	BCR	C37-C22-C21	-3.17	118.48	122.92
16	l	524	BCR	C24-C23-C22	-3.17	121.44	126.23
13	6	511	CLA	CMB-C2B-C3B	3.17	130.62	124.68
13	G	1131	CLA	O2D-CGD-O1D	-3.17	117.63	123.84
16	c	521	BCR	C38-C26-C27	3.17	119.71	113.62
16	B	4009	BCR	C33-C5-C6	-3.17	120.97	124.53
13	A	1112	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
13	f	1023	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
13	r	501	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
16	6	524	BCR	C15-C16-C17	-3.17	116.97	123.47
13	e	1112	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
16	U	4104	BCR	C30-C25-C26	-3.17	118.15	122.61
16	5	521	BCR	C38-C26-C27	3.17	119.71	113.62
16	L	4019	BCR	C28-C27-C26	-3.17	108.42	114.08
13	e	1134	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
16	l	523	BCR	C28-C27-C26	-3.17	108.42	114.08
16	A	4003	BCR	C20-C21-C22	-3.17	122.79	127.31
13	A	1131	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
13	B	1215	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
16	e	4001	BCR	C11-C10-C9	-3.17	122.79	127.31
13	H	1215	CLA	O2D-CGD-O1D	-3.17	117.65	123.84
16	v	522	BCR	C20-C21-C22	-3.17	122.79	127.31
16	Y	522	BCR	C20-C21-C22	-3.16	122.79	127.31
16	A	4001	BCR	C11-C10-C9	-3.16	122.80	127.31
13	G	1237	CLA	CMB-C2B-C1B	-3.16	123.60	128.46
13	G	1103	CLA	CHB-C4A-NA	3.16	128.88	124.51
13	d	511	CLA	CMB-C2B-C3B	3.16	130.59	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	f	4010	BCR	C28-C27-C26	-3.16	108.43	114.08
13	3	519	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
13	B	1023	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
13	f	1214	CLA	CHB-C4A-NA	3.16	128.88	124.51
16	q	524	BCR	C24-C23-C22	-3.16	121.46	126.23
13	H	1023	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
13	4	510	CLA	CMB-C2B-C3B	3.16	130.59	124.68
13	A	1103	CLA	CHB-C4A-NA	3.16	128.88	124.51
13	s	519	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
13	e	1237	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
16	H	4005	BCR	C16-C17-C18	-3.16	122.81	127.31
16	q	523	BCR	C28-C27-C26	-3.15	108.44	114.08
13	f	1207	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
16	Y	524	BCR	C24-C23-C22	-3.15	121.47	126.23
13	e	1131	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
16	f	4005	BCR	C16-C17-C18	-3.15	122.81	127.31
13	V	1501	CLA	CHB-C4A-NA	3.15	128.87	124.51
16	t	521	BCR	C3-C4-C5	-3.15	108.45	114.08
16	f	4004	BCR	C33-C5-C6	-3.15	120.99	124.53
16	B	4005	BCR	C16-C17-C18	-3.15	122.81	127.31
16	l	522	BCR	C20-C21-C22	-3.15	122.81	127.31
13	v	511	CLA	CMB-C2B-C3B	3.15	130.57	124.68
13	l	1302	CLA	CHB-C4A-NA	3.15	128.87	124.51
13	A	1103	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
13	6	518	CLA	CMB-C2B-C3B	3.15	130.57	124.68
13	l	512	CLA	C6-C5-C3	-3.15	109.47	114.62
13	e	1135	CLA	C1-C2-C3	-3.14	120.60	126.04
16	H	4010	BCR	C28-C27-C26	-3.14	108.46	114.08
13	L	1501	CLA	CMB-C2B-C3B	3.14	130.56	124.68
13	G	1135	CLA	C1-C2-C3	-3.14	120.61	126.04
13	f	1216	CLA	CHB-C4A-NA	3.14	128.86	124.51
16	B	4010	BCR	C28-C27-C26	-3.14	108.46	114.08
16	u	521	BCR	C38-C26-C27	3.14	119.65	113.62
13	f	1217	CLA	O2D-CGD-O1D	-3.14	117.69	123.84
13	c	519	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
13	d	518	CLA	CMB-C2B-C3B	3.14	130.55	124.68
16	V	4022	BCR	C16-C17-C18	-3.14	122.83	127.31
16	q	522	BCR	C20-C21-C22	-3.14	122.83	127.31
13	f	1240	CLA	O2D-CGD-O1D	-3.14	117.70	123.84
16	2	523	BCR	C28-C27-C26	-3.14	108.47	114.08
16	4	521	BCR	C3-C4-C5	-3.14	108.47	114.08
13	Y	512	CLA	C6-C5-C3	-3.14	109.49	114.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	L	4219	BCR	C15-C16-C17	-3.14	117.05	123.47
16	r	523	BCR	C28-C27-C26	-3.14	108.48	114.08
13	B	1217	CLA	O2D-CGD-O1D	-3.14	117.71	123.84
13	b	510	CLA	CMB-C2B-C3B	3.14	130.55	124.68
13	e	1103	CLA	O2D-CGD-O1D	-3.14	117.71	123.84
16	6	522	BCR	C20-C21-C22	-3.14	122.83	127.31
13	4	516	CLA	CMB-C2B-C3B	3.14	130.54	124.68
13	e	1103	CLA	CHB-C4A-NA	3.13	128.85	124.51
13	c	510	CLA	CMB-C2B-C3B	3.13	130.54	124.68
13	A	1237	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
16	Z	523	BCR	C28-C27-C26	-3.13	108.48	114.08
16	5	524	BCR	C33-C5-C6	-3.13	121.01	124.53
13	e	1121	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
16	b	523	BCR	C33-C5-C6	-3.13	121.01	124.53
16	J	4013	BCR	C32-C1-C6	-3.13	105.22	110.30
16	d	522	BCR	C20-C21-C22	-3.13	122.84	127.31
13	L	1501	CLA	CHB-C4A-NA	3.13	128.84	124.51
13	c	505	CLA	CMB-C2B-C3B	3.13	130.53	124.68
13	u	510	CLA	CMB-C2B-C3B	3.13	130.53	124.68
13	B	1214	CLA	CHB-C4A-NA	3.13	128.84	124.51
13	A	1135	CLA	C1-C2-C3	-3.13	120.63	126.04
16	n	4219	BCR	C15-C16-C17	-3.13	117.06	123.47
16	T	4013	BCR	C32-C1-C6	-3.13	105.22	110.30
13	5	510	CLA	CMB-C2B-C3B	3.13	130.53	124.68
13	G	1103	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
13	f	1219	CLA	CMB-C2B-C1B	-3.13	123.66	128.46
13	t	516	CLA	CMB-C2B-C3B	3.13	130.53	124.68
13	B	1207	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
13	a	519	CLA	CMB-C2B-C1B	-3.13	123.66	128.46
13	V	1501	CLA	CMB-C2B-C3B	3.13	130.53	124.68
13	H	1214	CLA	CHB-C4A-NA	3.13	128.83	124.51
16	s	524	BCR	C15-C16-C17	-3.13	117.07	123.47
16	G	4011	BCR	C8-C9-C10	3.12	123.73	118.94
13	b	516	CLA	CMB-C2B-C3B	3.12	130.52	124.68
16	B	4004	BCR	C33-C5-C6	-3.12	121.02	124.53
16	H	4004	BCR	C33-C5-C6	-3.12	121.02	124.53
16	c	524	BCR	C33-C5-C6	-3.12	121.02	124.53
16	V	4219	BCR	C15-C16-C17	-3.12	117.08	123.47
16	l	521	BCR	C24-C23-C22	-3.12	121.52	126.23
16	b	521	BCR	C3-C4-C5	-3.12	108.50	114.08
13	n	1501	CLA	CHB-C4A-NA	3.12	128.83	124.51
13	B	1219	CLA	CMB-C2B-C1B	-3.12	123.67	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A	4011	BCR	C8-C9-C10	3.12	123.73	118.94
13	3	513	CLA	CMB-C2B-C3B	3.12	130.52	124.68
16	T	4012	BCR	C7-C8-C9	-3.12	121.52	126.23
16	a	524	BCR	C15-C16-C17	-3.12	117.08	123.47
16	I	4018	BCR	C11-C10-C9	-3.12	122.86	127.31
13	v	518	CLA	CMB-C2B-C3B	3.12	130.52	124.68
16	u	524	BCR	C33-C5-C6	-3.12	121.02	124.53
13	5	519	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
13	r	516	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
16	J	4012	BCR	C7-C8-C9	-3.12	121.52	126.23
16	4	523	BCR	C33-C5-C6	-3.12	121.03	124.53
13	a	513	CLA	CMB-C2B-C3B	3.12	130.51	124.68
13	A	1121	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
16	k	4018	BCR	C11-C10-C9	-3.12	122.86	127.31
13	G	1121	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
16	Y	521	BCR	C24-C23-C22	-3.12	121.52	126.23
13	H	1220	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
13	B	1240	CLA	O2D-CGD-O1D	-3.12	117.74	123.84
13	m	1105	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
13	H	1205	CLA	O2A-CGA-O1A	-3.12	115.73	123.59
16	5	522	BCR	C38-C26-C25	-3.12	121.03	124.53
13	q	509	CLA	CHB-C4A-NA	3.12	128.82	124.51
13	H	1219	CLA	CMB-C2B-C1B	-3.12	123.68	128.46
16	u	522	BCR	C38-C26-C25	-3.12	121.03	124.53
13	5	505	CLA	CMB-C2B-C3B	3.11	130.51	124.68
13	Z	507	CLA	CMB-C2B-C3B	3.11	130.50	124.68
16	2	522	BCR	C24-C23-C22	-3.11	121.53	126.23
16	Z	522	BCR	C24-C23-C22	-3.11	121.53	126.23
16	l	4013	BCR	C32-C1-C6	-3.11	105.25	110.30
13	H	1235	CLA	CMB-C2B-C3B	3.11	130.50	124.68
13	u	519	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
16	q	521	BCR	C24-C23-C22	-3.11	121.53	126.23
16	l	4013	BCR	C20-C19-C18	-3.11	117.67	126.42
16	b	523	BCR	C28-C27-C26	-3.11	108.52	114.08
16	3	524	BCR	C15-C16-C17	-3.11	117.10	123.47
16	W	4021	BCR	C10-C11-C12	-3.11	113.51	123.22
13	H	1207	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
16	e	4011	BCR	C8-C9-C10	3.11	123.71	118.94
13	B	1205	CLA	O2A-CGA-O1A	-3.11	115.74	123.59
13	H	1217	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
16	L	4022	BCR	C16-C17-C18	-3.11	122.87	127.31
16	t	523	BCR	C33-C5-C6	-3.11	121.04	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	S	4018	BCR	C11-C10-C9	-3.11	122.87	127.31
16	t	523	BCR	C28-C27-C26	-3.11	108.53	114.08
16	4	521	BCR	C24-C23-C22	-3.11	121.54	126.23
16	b	523	BCR	C24-C23-C22	-3.11	121.54	126.23
13	B	1235	CLA	CMB-C2B-C3B	3.11	130.49	124.68
13	6	516	CLA	CMB-C2B-C3B	3.11	130.49	124.68
13	e	1110	CLA	CMB-C2B-C3B	3.11	130.49	124.68
13	B	1216	CLA	CHB-C4A-NA	3.11	128.81	124.51
13	d	516	CLA	CMB-C2B-C3B	3.11	130.49	124.68
13	f	1235	CLA	CMB-C2B-C3B	3.11	130.49	124.68
16	b	521	BCR	C24-C23-C22	-3.11	121.54	126.23
16	n	4022	BCR	C16-C17-C18	-3.10	122.88	127.31
13	f	1220	CLA	CMB-C2B-C1B	-3.10	123.69	128.46
13	Y	509	CLA	CHB-C4A-NA	3.10	128.80	124.51
13	s	513	CLA	CMB-C2B-C3B	3.10	130.48	124.68
16	t	523	BCR	C24-C23-C22	-3.10	121.55	126.23
20	Y	822	SQD	O9-S-C6	3.10	110.63	106.94
16	M	4021	BCR	C15-C16-C17	-3.10	117.12	123.47
13	f	1205	CLA	O2A-CGA-O1A	-3.10	115.76	123.59
13	5	507	CLA	CMB-C2B-C3B	3.10	130.48	124.68
20	l	822	SQD	O9-S-C6	3.10	110.62	106.94
13	v	516	CLA	CMB-C2B-C3B	3.10	130.48	124.68
13	T	1302	CLA	CHB-C4A-NA	3.10	128.80	124.51
13	K	1105	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
16	W	4021	BCR	C15-C16-C17	-3.10	117.12	123.47
13	t	505	CLA	CMB-C2B-C3B	3.10	130.48	124.68
16	c	522	BCR	C20-C21-C22	-3.10	122.89	127.31
16	o	4021	BCR	C15-C16-C17	-3.10	117.12	123.47
13	2	507	CLA	CMB-C2B-C3B	3.10	130.47	124.68
16	t	521	BCR	C28-C27-C26	-3.10	108.55	114.08
16	l	4012	BCR	C7-C8-C9	-3.10	121.56	126.23
16	r	522	BCR	C24-C23-C22	-3.10	121.56	126.23
16	u	522	BCR	C20-C21-C22	-3.10	122.89	127.31
13	l	509	CLA	CHB-C4A-NA	3.10	128.79	124.51
13	c	507	CLA	CMB-C2B-C3B	3.10	130.47	124.68
13	H	1240	CLA	O2D-CGD-O1D	-3.10	117.79	123.84
13	G	1136	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
13	U	1105	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
13	G	1110	CLA	CMB-C2B-C3B	3.09	130.47	124.68
13	A	1110	CLA	CMB-C2B-C3B	3.09	130.47	124.68
13	H	1216	CLA	CHB-C4A-NA	3.09	128.79	124.51
16	4	523	BCR	C24-C23-C22	-3.09	121.56	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	505	CLA	CMB-C2B-C3B	3.09	130.46	124.68
13	2	516	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
16	a	523	BCR	C15-C16-C17	-3.09	117.14	123.47
16	4	523	BCR	C28-C27-C26	-3.09	108.56	114.08
13	J	1302	CLA	CHB-C4A-NA	3.09	128.78	124.51
16	b	524	BCR	C33-C5-C4	3.09	119.55	113.62
13	6	519	CLA	CMB-C2B-C3B	3.09	130.46	124.68
16	4	524	BCR	C33-C5-C4	3.09	119.55	113.62
16	M	4021	BCR	C10-C11-C12	-3.09	113.58	123.22
16	J	4013	BCR	C20-C19-C18	-3.09	117.74	126.42
13	B	1220	CLA	CMB-C2B-C1B	-3.09	123.72	128.46
13	u	505	CLA	CMB-C2B-C3B	3.09	130.46	124.68
16	4	521	BCR	C28-C27-C26	-3.09	108.56	114.08
16	T	4013	BCR	C20-C19-C18	-3.09	117.74	126.42
16	b	522	BCR	C7-C8-C9	-3.09	121.57	126.23
16	b	521	BCR	C28-C27-C26	-3.09	108.56	114.08
13	r	507	CLA	CMB-C2B-C3B	3.09	130.45	124.68
13	u	507	CLA	CMB-C2B-C3B	3.09	130.45	124.68
16	4	524	BCR	C1-C6-C5	-3.09	118.27	122.61
13	d	519	CLA	CMB-C2B-C3B	3.09	130.45	124.68
16	t	521	BCR	C24-C23-C22	-3.08	121.57	126.23
13	f	1219	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
16	V	4219	BCR	C10-C11-C12	-3.08	113.60	123.22
16	o	4021	BCR	C10-C11-C12	-3.08	113.60	123.22
13	Z	504	CLA	CMB-C2B-C3B	3.08	130.45	124.68
16	t	524	BCR	C33-C5-C4	3.08	119.54	113.62
16	4	522	BCR	C7-C8-C9	-3.08	121.58	126.23
13	b	519	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
13	4	505	CLA	CMB-C2B-C3B	3.08	130.44	124.68
13	a	505	CLA	CMB-C2B-C3B	3.08	130.44	124.68
13	f	1205	CLA	CBA-CAA-C2A	3.08	122.96	113.86
20	q	822	SQD	C1-O5-C5	3.08	119.73	113.69
13	m	1401	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
20	Y	822	SQD	C1-O5-C5	3.08	119.73	113.69
16	q	523	BCR	C21-C20-C19	-3.08	113.61	123.22
13	B	1205	CLA	CBA-CAA-C2A	3.08	122.94	113.86
20	H	1852	SQD	O6-C1-C2	3.08	113.11	108.30
13	G	1125	CLA	O2D-CGD-O1D	-3.08	117.83	123.84
16	3	523	BCR	C15-C16-C17	-3.08	117.17	123.47
16	s	523	BCR	C15-C16-C17	-3.08	117.17	123.47
20	q	822	SQD	O9-S-C6	3.08	110.59	106.94
16	n	4219	BCR	C10-C11-C12	-3.08	113.62	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	B	1852	SQD	O6-C1-C2	3.07	113.10	108.30
13	G	1133	CLA	CHB-C4A-NA	3.07	128.76	124.51
16	2	523	BCR	C33-C5-C6	-3.07	121.08	124.53
16	c	522	BCR	C38-C26-C25	-3.07	121.08	124.53
16	T	4012	BCR	C11-C10-C9	-3.07	122.92	127.31
13	v	503	CLA	CMB-C2B-C3B	3.07	130.43	124.68
13	Z	516	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
16	5	523	BCR	C10-C11-C12	-3.07	113.63	123.22
16	t	522	BCR	C7-C8-C9	-3.07	121.59	126.23
13	A	1136	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
13	4	519	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
13	A	1125	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
16	b	524	BCR	C1-C6-C5	-3.07	118.29	122.61
13	d	503	CLA	CMB-C2B-C3B	3.07	130.42	124.68
13	K	1401	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
16	L	4219	BCR	C10-C11-C12	-3.07	113.64	123.22
13	v	519	CLA	CMB-C2B-C3B	3.07	130.42	124.68
13	t	518	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
13	H	1205	CLA	CBA-CAA-C2A	3.07	122.92	113.86
16	c	521	BCR	C38-C26-C25	-3.07	121.08	124.53
13	B	1235	CLA	CHB-C4A-NA	3.07	128.75	124.51
13	3	505	CLA	CMB-C2B-C3B	3.07	130.42	124.68
13	s	505	CLA	CMB-C2B-C3B	3.07	130.42	124.68
16	u	523	BCR	C10-C11-C12	-3.07	113.64	123.22
13	H	1209	CLA	CHB-C4A-NA	3.07	128.75	124.51
20	f	1852	SQD	O9-S-C6	3.07	110.58	106.94
13	6	503	CLA	CMB-C2B-C3B	3.07	130.41	124.68
20	f	1852	SQD	O6-C1-C2	3.07	113.09	108.30
13	t	519	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
16	J	4012	BCR	C11-C10-C9	-3.06	122.94	127.31
16	5	522	BCR	C20-C21-C22	-3.06	122.94	127.31
20	1	822	SQD	C1-O5-C5	3.06	119.70	113.69
16	Y	523	BCR	C21-C20-C19	-3.06	113.66	123.22
13	H	1235	CLA	CHB-C4A-NA	3.06	128.75	124.51
16	S	4018	BCR	C15-C16-C17	-3.06	117.20	123.47
13	Z	519	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
13	4	518	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
13	t	502	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
13	B	1219	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
16	1	523	BCR	C21-C20-C19	-3.06	113.66	123.22
13	B	1218	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
13	a	511	CLA	CMB-C2B-C3B	3.06	130.40	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	l	4015	BCR	C38-C26-C25	-3.06	121.09	124.53
16	3	521	BCR	C3-C4-C5	-3.06	108.61	114.08
13	6	517	CLA	CMB-C2B-C3B	3.06	130.40	124.68
16	c	523	BCR	C10-C11-C12	-3.06	113.67	123.22
13	e	1125	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
16	k	4018	BCR	C15-C16-C17	-3.06	117.21	123.47
16	s	521	BCR	C3-C4-C5	-3.06	108.62	114.08
13	A	1130	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
16	t	524	BCR	C1-C6-C5	-3.06	118.31	122.61
16	I	4018	BCR	C15-C16-C17	-3.05	117.22	123.47
16	l	4012	BCR	C11-C10-C9	-3.05	122.95	127.31
13	B	1220	CLA	CHB-C4A-NA	3.05	128.74	124.51
13	4	502	CLA	CMB-C2B-C1B	-3.05	123.77	128.46
16	Y	523	BCR	C15-C16-C17	-3.05	117.22	123.47
13	b	518	CLA	CMB-C2B-C1B	-3.05	123.77	128.46
13	A	1133	CLA	CHB-C4A-NA	3.05	128.73	124.51
13	G	1130	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
16	e	4011	BCR	C15-C14-C13	-3.05	122.95	127.31
13	d	517	CLA	CMB-C2B-C3B	3.05	130.38	124.68
13	e	1136	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
13	f	1209	CLA	CHB-C4A-NA	3.05	128.73	124.51
16	A	4011	BCR	C15-C14-C13	-3.05	122.96	127.31
20	B	1852	SQD	O9-S-C6	3.05	110.56	106.94
13	H	1219	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
13	2	504	CLA	CMB-C2B-C3B	3.05	130.38	124.68
13	r	504	CLA	CMB-C2B-C3B	3.05	130.38	124.68
16	5	521	BCR	C38-C26-C25	-3.05	121.11	124.53
13	b	513	CLA	CMB-C2B-C3B	3.05	130.38	124.68
13	f	1203	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
13	e	1133	CLA	CHB-C4A-NA	3.05	128.72	124.51
13	v	517	CLA	CMB-C2B-C3B	3.05	130.38	124.68
13	U	1401	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
13	f	1235	CLA	CHB-C4A-NA	3.05	128.72	124.51
13	e	1114	CLA	CMB-C2B-C3B	3.04	130.37	124.68
16	a	521	BCR	C3-C4-C5	-3.04	108.64	114.08
13	B	1209	CLA	CHB-C4A-NA	3.04	128.72	124.51
13	3	510	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
13	H	1218	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
13	f	1218	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
13	b	509	CLA	CHB-C4A-NA	3.04	128.72	124.51
13	a	510	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
13	H	1220	CLA	CHB-C4A-NA	3.04	128.72	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1207	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
13	t	503	CLA	CMB-C2B-C3B	3.04	130.37	124.68
13	t	513	CLA	CMB-C2B-C3B	3.04	130.37	124.68
16	Z	523	BCR	C33-C5-C6	-3.04	121.11	124.53
13	H	1207	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
20	H	1852	SQD	O9-S-C6	3.04	110.55	106.94
13	s	511	CLA	CMB-C2B-C3B	3.04	130.37	124.68
16	1	523	BCR	C15-C16-C17	-3.04	117.25	123.47
13	3	511	CLA	CMB-C2B-C3B	3.04	130.37	124.68
13	G	1114	CLA	CMB-C2B-C3B	3.04	130.37	124.68
13	G	1129	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
13	2	519	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
13	A	1114	CLA	CMB-C2B-C3B	3.04	130.36	124.68
13	4	503	CLA	CMB-C2B-C3B	3.04	130.36	124.68
13	f	1231	CLA	CHB-C4A-NA	3.04	128.71	124.51
13	e	1129	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
13	e	1130	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
13	A	1124	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
13	u	512	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
13	u	503	CLA	CMB-C2B-C3B	3.03	130.35	124.68
13	A	1140	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
13	A	1129	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
13	f	1227	CLA	CHB-C4A-NA	3.03	128.71	124.51
13	e	1140	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
13	f	1207	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
16	G	4008	BCR	C11-C10-C9	-3.03	122.98	127.31
13	G	1140	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
16	c	522	BCR	C33-C5-C6	-3.03	121.12	124.53
13	b	502	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
16	T	4015	BCR	C38-C26-C25	-3.03	121.12	124.53
13	4	513	CLA	CMB-C2B-C3B	3.03	130.34	124.68
16	A	4008	BCR	C11-C10-C9	-3.03	122.99	127.31
13	b	503	CLA	CMB-C2B-C3B	3.03	130.34	124.68
16	G	4011	BCR	C15-C14-C13	-3.03	122.99	127.31
13	T	1302	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
13	G	1124	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
13	5	503	CLA	CMB-C2B-C3B	3.03	130.34	124.68
13	c	512	CLA	O2D-CGD-O1D	-3.02	117.92	123.84
16	6	523	BCR	C33-C5-C6	-3.02	121.13	124.53
13	B	1227	CLA	CHB-C4A-NA	3.02	128.69	124.51
13	B	1203	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
13	t	509	CLA	CHB-C4A-NA	3.02	128.69	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	s	519	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
16	v	523	BCR	C33-C5-C6	-3.02	121.13	124.53
13	5	512	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
13	a	513	CLA	CHB-C4A-NA	3.02	128.69	124.51
13	H	1214	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
13	s	510	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
16	r	523	BCR	C33-C5-C6	-3.02	121.14	124.53
13	H	1203	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
16	u	521	BCR	C38-C26-C25	-3.02	121.14	124.53
13	A	1132	CLA	CMB-C2B-C3B	3.02	130.33	124.68
16	f	4006	BCR	C11-C10-C9	-3.02	123.00	127.31
13	4	509	CLA	CHB-C4A-NA	3.02	128.69	124.51
13	B	1214	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
13	r	519	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
13	f	1220	CLA	CHB-C4A-NA	3.02	128.69	124.51
16	Z	523	BCR	C11-C10-C9	-3.02	123.00	127.31
13	H	1232	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
13	H	1227	CLA	CHB-C4A-NA	3.02	128.68	124.51
16	J	4015	BCR	C38-C26-C25	-3.02	121.14	124.53
16	r	523	BCR	C24-C23-C22	-3.02	121.68	126.23
13	e	1120	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
13	d	501	CLA	CMB-C2B-C3B	3.01	130.32	124.68
16	q	523	BCR	C15-C16-C17	-3.01	117.30	123.47
16	e	4002	BCR	C16-C15-C14	-3.01	117.30	123.47
16	2	523	BCR	C24-C23-C22	-3.01	121.68	126.23
16	Z	523	BCR	C24-C23-C22	-3.01	121.69	126.23
13	G	1121	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
16	A	4002	BCR	C16-C15-C14	-3.01	117.31	123.47
16	H	4014	BCR	C2-C1-C6	3.01	115.11	110.48
13	e	1132	CLA	CMB-C2B-C3B	3.01	130.31	124.68
13	J	1302	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
13	l	1302	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
13	f	1216	CLA	C1B-CHB-C4A	-3.01	124.16	130.12
16	n	4219	BCR	C21-C20-C19	-3.01	113.83	123.22
16	d	523	BCR	C7-C8-C9	-3.01	121.69	126.23
16	6	523	BCR	C7-C8-C9	-3.01	121.69	126.23
13	3	519	CLA	O2D-CGD-O1D	-3.01	117.96	123.84
16	G	4002	BCR	C16-C15-C14	-3.01	117.32	123.47
16	e	4001	BCR	C2-C1-C6	3.00	115.11	110.48
13	G	1140	CLA	CMB-C2B-C3B	3.00	130.30	124.68
16	B	4014	BCR	C2-C1-C6	3.00	115.11	110.48
13	A	1113	CLA	O2D-CGD-O1D	-3.00	117.97	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	6	501	CLA	CMB-C2B-C3B	3.00	130.30	124.68
13	B	1231	CLA	CHB-C4A-NA	3.00	128.66	124.51
13	c	503	CLA	CMB-C2B-C3B	3.00	130.29	124.68
13	e	1124	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
13	F	1302	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
16	G	4001	BCR	C2-C1-C6	3.00	115.10	110.48
16	f	4014	BCR	C2-C1-C6	3.00	115.10	110.48
13	j	1302	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
13	H	1216	CLA	C1B-CHB-C4A	-3.00	124.18	130.12
16	B	4006	BCR	C11-C10-C9	-3.00	123.03	127.31
16	L	4219	BCR	C21-C20-C19	-3.00	113.86	123.22
16	u	522	BCR	C33-C5-C6	-3.00	121.16	124.53
16	5	522	BCR	C33-C5-C6	-3.00	121.16	124.53
16	A	4001	BCR	C2-C1-C6	3.00	115.09	110.48
13	H	1206	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
16	V	4219	BCR	C21-C20-C19	-3.00	113.87	123.22
16	A	4002	BCR	C20-C21-C22	-3.00	123.03	127.31
13	R	1302	CLA	CMB-C2B-C1B	-3.00	123.86	128.46
16	d	523	BCR	C24-C23-C22	-3.00	121.71	126.23
16	e	4008	BCR	C11-C10-C9	-3.00	123.03	127.31
13	A	1120	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
13	e	1113	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
13	f	1214	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
13	A	1121	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
13	v	501	CLA	CMB-C2B-C3B	2.99	130.28	124.68
13	B	1227	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
16	d	523	BCR	C33-C5-C6	-2.99	121.17	124.53
16	v	523	BCR	C7-C8-C9	-2.99	121.72	126.23
16	H	4014	BCR	C3-C4-C5	-2.99	108.74	114.08
16	r	523	BCR	C11-C10-C9	-2.99	123.04	127.31
13	A	1111	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
16	e	4002	BCR	C20-C21-C22	-2.99	123.04	127.31
13	H	1227	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
13	s	513	CLA	CHB-C4A-NA	2.99	128.65	124.51
13	G	1132	CLA	CMB-C2B-C3B	2.99	130.27	124.68
13	f	1222	CLA	C1B-CHB-C4A	-2.99	124.20	130.12
16	B	4014	BCR	C3-C4-C5	-2.99	108.74	114.08
13	G	1113	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
13	a	519	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
13	3	513	CLA	CHB-C4A-NA	2.99	128.64	124.51
13	R	1301	CLA	CMB-C2B-C3B	2.99	130.27	124.68
13	B	1216	CLA	C1B-CHB-C4A	-2.99	124.20	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	a	504	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
16	j	4016	BCR	C28-C27-C26	-2.99	108.75	114.08
13	Z	504	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
13	e	1121	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
13	f	1232	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
13	3	504	CLA	O2D-CGD-O1D	-2.98	118.00	123.84
13	e	1140	CLA	CMB-C2B-C3B	2.98	130.26	124.68
13	B	1232	CLA	O2D-CGD-O1D	-2.98	118.00	123.84
13	e	1111	CLA	O2D-CGD-O1D	-2.98	118.00	123.84
16	V	4020	BCR	C7-C8-C9	-2.98	121.73	126.23
16	F	4016	BCR	C28-C27-C26	-2.98	108.75	114.08
16	L	4020	BCR	C7-C8-C9	-2.98	121.73	126.23
20	r	822	SQD	O6-C1-C2	2.98	112.96	108.30
13	G	1108	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
13	A	1140	CLA	CMB-C2B-C3B	2.98	130.26	124.68
13	s	509	CLA	CHB-C4A-NA	2.98	128.63	124.51
16	v	523	BCR	C24-C23-C22	-2.98	121.73	126.23
13	f	1227	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
13	H	1231	CLA	CHB-C4A-NA	2.98	128.63	124.51
16	R	4016	BCR	C28-C27-C26	-2.98	108.76	114.08
13	f	1206	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
16	f	4014	BCR	C3-C4-C5	-2.98	108.76	114.08
13	B	1206	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
16	2	523	BCR	C11-C10-C9	-2.98	123.06	127.31
16	G	4002	BCR	C20-C21-C22	-2.98	123.06	127.31
17	V	5221	LHG	O8-C23-C24	2.98	121.25	111.91
16	t	522	BCR	C38-C26-C25	-2.98	121.18	124.53
13	s	504	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
20	5	822	SQD	O8-S-C6	2.98	110.48	105.74
20	u	822	SQD	O8-S-C6	2.98	110.48	105.74
13	G	1109	CLA	O2A-CGA-O1A	-2.98	116.08	123.59
13	G	1111	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
13	A	1123	CLA	CHB-C4A-NA	2.98	128.63	124.51
17	L	5221	LHG	O8-C23-C24	2.98	121.25	111.91
16	f	4009	BCR	C33-C5-C4	2.98	119.33	113.62
13	r	504	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
16	6	523	BCR	C24-C23-C22	-2.98	121.74	126.23
16	e	4002	BCR	C15-C14-C13	-2.98	123.06	127.31
13	B	1222	CLA	C1B-CHB-C4A	-2.98	124.22	130.12
16	4	522	BCR	C38-C26-C25	-2.97	121.19	124.53
17	n	5221	LHG	O8-C23-C24	2.97	121.24	111.91
13	B	1229	CLA	O2D-CGD-O1D	-2.97	118.03	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	H	4006	BCR	C11-C10-C9	-2.97	123.07	127.31
13	j	1301	CLA	CMB-C2B-C3B	2.97	130.24	124.68
16	n	4020	BCR	C7-C8-C9	-2.97	121.75	126.23
20	c	822	SQD	O8-S-C6	2.97	110.47	105.74
13	A	1109	CLA	O2A-CGA-O1A	-2.97	116.09	123.59
13	f	1229	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
13	H	1222	CLA	C1B-CHB-C4A	-2.97	124.24	130.12
13	H	1213	CLA	CHB-C4A-NA	2.97	128.62	124.51
13	A	1108	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
13	t	517	CLA	CMB-C2B-C3B	2.97	130.23	124.68
13	H	1229	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
13	2	504	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
13	F	1301	CLA	CMB-C2B-C3B	2.97	130.23	124.68
20	6	822	SQD	O8-S-C6	2.97	110.47	105.74
13	4	517	CLA	CMB-C2B-C3B	2.97	130.23	124.68
13	3	509	CLA	CHB-C4A-NA	2.97	128.61	124.51
20	q	822	SQD	O6-C1-C2	2.97	112.93	108.30
13	V	1502	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
13	s	513	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
13	e	1108	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
16	b	522	BCR	C38-C26-C25	-2.96	121.20	124.53
16	q	524	BCR	C11-C10-C9	-2.96	123.08	127.31
13	Z	509	CLA	CHB-C4A-NA	2.96	128.61	124.51
13	r	517	CLA	CMB-C2B-C3B	2.96	130.22	124.68
13	G	1120	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
16	A	4002	BCR	C15-C14-C13	-2.96	123.08	127.31
16	Y	524	BCR	C11-C10-C9	-2.96	123.08	127.31
20	2	822	SQD	O6-C1-C2	2.96	112.93	108.30
20	d	822	SQD	O8-S-C6	2.96	110.46	105.74
13	q	519	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
13	U	1105	CLA	CMC-C2C-C3C	2.96	134.15	126.12
13	b	517	CLA	CMB-C2B-C3B	2.96	130.21	124.68
13	t	506	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
13	G	1121	CLA	CHB-C4A-NA	2.96	128.60	124.51
13	e	1123	CLA	CHB-C4A-NA	2.96	128.60	124.51
13	K	1105	CLA	CMC-C2C-C3C	2.96	134.14	126.12
13	a	509	CLA	CHB-C4A-NA	2.96	128.60	124.51
20	u	822	SQD	O5-C5-C4	2.95	115.06	109.69
13	H	1228	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
13	G	1123	CLA	CHB-C4A-NA	2.95	128.60	124.51
13	B	1202	CLA	CAA-C2A-C3A	-2.95	104.69	112.78
13	H	1202	CLA	CAA-C2A-C3A	-2.95	104.69	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	1	822	SQD	O6-C1-C2	2.95	112.91	108.30
20	5	822	SQD	O5-C5-C4	2.95	115.05	109.69
13	n	1502	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
13	e	1109	CLA	O2A-CGA-O1A	-2.95	116.15	123.59
13	A	1124	CLA	C1B-CHB-C4A	-2.95	124.28	130.12
13	e	1126	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
13	f	1202	CLA	CAA-C2A-C3A	-2.95	104.70	112.78
16	v	522	BCR	C33-C5-C6	-2.95	121.22	124.53
20	v	822	SQD	O8-S-C6	2.95	110.44	105.74
16	Y	523	BCR	C16-C17-C18	-2.95	123.10	127.31
13	e	1124	CLA	C1B-CHB-C4A	-2.95	124.28	130.12
13	m	1105	CLA	CMC-C2C-C3C	2.95	134.12	126.12
20	Z	822	SQD	O6-C1-C2	2.95	112.91	108.30
13	2	502	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
13	c	517	CLA	CMB-C2B-C3B	2.95	130.19	124.68
20	Y	822	SQD	O6-C1-C2	2.95	112.90	108.30
16	1	524	BCR	C11-C10-C9	-2.95	123.11	127.31
16	k	4018	BCR	C20-C21-C22	-2.95	123.11	127.31
13	B	1213	CLA	CHB-C4A-NA	2.95	128.59	124.51
13	4	506	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
13	B	1228	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
16	G	4002	BCR	C15-C14-C13	-2.94	123.11	127.31
13	b	506	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
20	c	822	SQD	O5-C5-C4	2.94	115.04	109.69
16	a	523	BCR	C24-C23-C22	-2.94	121.79	126.23
13	f	1234	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
13	A	1104	CLA	CAA-C2A-C3A	-2.94	104.72	112.78
13	1	519	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
13	u	507	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
13	B	1220	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
13	A	1121	CLA	CHB-C4A-NA	2.94	128.58	124.51
13	r	509	CLA	CHB-C4A-NA	2.94	128.58	124.51
13	B	1224	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
13	d	512	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
13	G	1124	CLA	C1B-CHB-C4A	-2.94	124.29	130.12
13	2	517	CLA	CMB-C2B-C3B	2.94	130.18	124.68
13	b	507	CLA	CMB-C2B-C3B	2.94	130.18	124.68
20	f	1852	SQD	C44-O6-C1	2.94	119.48	113.74
16	I	4018	BCR	C20-C21-C22	-2.94	123.12	127.31
13	B	1236	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
13	3	513	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
13	5	501	CLA	O2D-CGD-O1D	-2.94	118.09	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B	4009	BCR	C33-C5-C4	2.94	119.26	113.62
13	t	507	CLA	CMB-C2B-C3B	2.94	130.17	124.68
13	r	502	CLA	O2D-CGD-O1D	-2.94	118.10	123.84
13	e	1104	CLA	CAA-C2A-C3A	-2.94	104.74	112.78
16	s	523	BCR	C24-C23-C22	-2.94	121.80	126.23
13	4	507	CLA	CMB-C2B-C3B	2.94	130.17	124.68
13	u	517	CLA	CMB-C2B-C3B	2.94	130.17	124.68
13	5	507	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
13	a	513	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
13	A	1126	CLA	C1B-CHB-C4A	-2.93	124.31	130.12
16	6	523	BCR	C28-C27-C26	-2.93	108.84	114.08
13	B	1234	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
13	G	1104	CLA	CAA-C2A-C3A	-2.93	104.74	112.78
13	6	512	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
13	Z	517	CLA	CMB-C2B-C3B	2.93	130.16	124.68
16	6	522	BCR	C33-C5-C6	-2.93	121.23	124.53
16	H	4009	BCR	C33-C5-C4	2.93	119.25	113.62
13	4	506	CLA	CMB-C2B-C3B	2.93	130.16	124.68
13	f	1220	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	f	1228	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	f	1213	CLA	CHB-C4A-NA	2.93	128.56	124.51
13	Z	513	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	u	501	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
16	d	523	BCR	C28-C27-C26	-2.93	108.84	114.08
13	5	517	CLA	CMB-C2B-C3B	2.93	130.16	124.68
20	B	1852	SQD	C44-O6-C1	2.93	119.46	113.74
16	S	4018	BCR	C20-C21-C22	-2.93	123.13	127.31
16	q	524	BCR	C33-C5-C4	2.93	119.25	113.62
13	e	1237	CLA	C4-C3-C5	2.93	120.20	115.27
13	G	1126	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	H	1224	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	Z	502	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	2	509	CLA	CHB-C4A-NA	2.93	128.56	124.51
13	f	1236	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	v	511	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
16	3	523	BCR	C24-C23-C22	-2.93	121.81	126.23
16	1	522	BCR	C38-C26-C25	-2.93	121.24	124.53
16	u	522	BCR	C38-C26-C27	2.93	119.24	113.62
13	c	507	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
13	L	1502	CLA	O2D-CGD-O1D	-2.93	118.12	123.84
20	H	1852	SQD	C44-O6-C1	2.93	119.45	113.74
13	b	506	CLA	CMB-C2B-C3B	2.93	130.15	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	2	513	CLA	O2D-CGD-O1D	-2.93	118.12	123.84
13	t	506	CLA	CMB-C2B-C3B	2.93	130.15	124.68
13	f	1224	CLA	O2D-CGD-O1D	-2.93	118.12	123.84
13	G	1126	CLA	C1B-CHB-C4A	-2.93	124.32	130.12
13	A	1237	CLA	C4-C3-C5	2.92	120.19	115.27
13	e	1121	CLA	CHB-C4A-NA	2.92	128.56	124.51
13	G	1237	CLA	C4-C3-C5	2.92	120.19	115.27
13	Y	519	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
13	A	1126	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
16	S	4018	BCR	C1-C6-C5	-2.92	118.50	122.61
13	e	1126	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
16	q	522	BCR	C3-C4-C5	-2.92	108.86	114.08
13	G	1105	CLA	CHB-C4A-NA	2.92	128.55	124.51
16	l	524	BCR	C33-C5-C4	2.92	119.23	113.62
13	H	1236	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
13	e	1105	CLA	CHB-C4A-NA	2.92	128.55	124.51
13	A	1140	CLA	CAA-C2A-C3A	-2.92	104.78	112.78
13	b	510	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
13	e	1139	CLA	CMB-C2B-C3B	2.92	130.14	124.68
13	f	1205	CLA	CMB-C2B-C3B	2.92	130.14	124.68
16	s	523	BCR	C33-C5-C6	-2.92	121.25	124.53
13	H	1023	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
16	Y	522	BCR	C3-C4-C5	-2.92	108.86	114.08
13	H	1220	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
16	v	523	BCR	C28-C27-C26	-2.92	108.87	114.08
16	5	522	BCR	C38-C26-C27	2.92	119.22	113.62
13	r	511	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
13	G	1140	CLA	CAA-C2A-C3A	-2.92	104.79	112.78
13	2	501	CLA	CMB-C2B-C3B	2.92	130.13	124.68
13	Z	501	CLA	CMB-C2B-C3B	2.92	130.13	124.68
13	e	1140	CLA	CAA-C2A-C3A	-2.92	104.79	112.78
13	q	508	CLA	O2D-CGD-O1D	-2.92	118.14	123.84
13	d	511	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
16	u	523	BCR	C16-C17-C18	-2.91	123.15	127.31
13	t	508	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
16	l	523	BCR	C16-C17-C18	-2.91	123.15	127.31
16	d	524	BCR	C24-C23-C22	-2.91	121.83	126.23
13	4	508	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
13	c	501	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
13	f	1208	CLA	CMB-C2B-C3B	2.91	130.13	124.68
13	6	511	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
13	2	511	CLA	O2D-CGD-O1D	-2.91	118.14	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Z	511	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
13	t	519	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
13	A	1105	CLA	CHB-C4A-NA	2.91	128.54	124.51
13	Y	512	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
13	v	512	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
16	k	4018	BCR	C1-C6-C5	-2.91	118.51	122.61
16	Y	522	BCR	C38-C26-C25	-2.91	121.26	124.53
16	a	523	BCR	C33-C5-C6	-2.91	121.26	124.53
13	B	1023	CLA	C1B-CHB-C4A	-2.91	124.35	130.12
13	G	1139	CLA	CMB-C2B-C3B	2.91	130.12	124.68
13	H	1208	CLA	CMB-C2B-C3B	2.91	130.12	124.68
16	W	4021	BCR	C20-C19-C18	-2.91	118.24	126.42
13	A	1139	CLA	CMB-C2B-C3B	2.91	130.12	124.68
13	B	1208	CLA	CMB-C2B-C3B	2.91	130.12	124.68
13	f	1023	CLA	C1B-CHB-C4A	-2.91	124.36	130.12
16	d	522	BCR	C33-C5-C6	-2.91	121.26	124.53
13	r	513	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
16	l	522	BCR	C3-C4-C5	-2.91	108.89	114.08
13	H	1234	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
16	q	523	BCR	C16-C17-C18	-2.91	123.16	127.31
13	d	503	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
13	e	1109	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
19	f	5002	LMG	O6-C1-O1	-2.91	103.09	109.97
13	e	1110	CLA	CHB-C4A-NA	2.91	128.53	124.51
13	A	1118	CLA	CMB-C2B-C3B	2.91	130.11	124.68
16	v	524	BCR	C24-C23-C22	-2.91	121.84	126.23
16	c	522	BCR	C38-C26-C27	2.91	119.20	113.62
13	Y	508	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
13	v	503	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
16	f	4004	BCR	C11-C10-C9	-2.91	123.16	127.31
13	l	501	CLA	CMB-C2B-C3B	2.90	130.11	124.68
13	4	510	CLA	O2D-CGD-O1D	-2.90	118.16	123.84
20	5	822	SQD	O48-C23-C24	2.90	119.00	111.38
16	B	4006	BCR	C37-C22-C21	-2.90	118.86	122.92
20	u	822	SQD	O48-C23-C24	2.90	119.00	111.38
16	H	4006	BCR	C37-C22-C21	-2.90	118.86	122.92
16	6	524	BCR	C24-C23-C22	-2.90	121.85	126.23
13	Y	501	CLA	CMB-C2B-C3B	2.90	130.11	124.68
16	t	524	BCR	C8-C7-C6	-2.90	119.05	127.20
13	b	519	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
19	B	5002	LMG	O6-C1-O1	-2.90	103.11	109.97
13	s	512	CLA	CMB-C2B-C3B	2.90	130.10	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	Y	524	BCR	C33-C5-C4	2.90	119.19	113.62
16	M	4021	BCR	C20-C19-C18	-2.90	118.27	126.42
13	a	512	CLA	CMB-C2B-C3B	2.90	130.10	124.68
13	1	508	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
20	5	822	SQD	C44-O6-C1	2.90	119.40	113.74
13	B	1205	CLA	CMB-C2B-C3B	2.90	130.10	124.68
16	H	4017	BCR	C34-C9-C8	2.90	122.64	118.08
13	t	510	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
13	e	1118	CLA	CMB-C2B-C3B	2.90	130.10	124.68
13	d	513	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
16	q	522	BCR	C38-C26-C25	-2.90	121.28	124.53
16	5	523	BCR	C16-C17-C18	-2.90	123.18	127.31
13	r	508	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
20	c	822	SQD	O48-C23-C24	2.90	118.97	111.38
13	a	519	CLA	CHB-C4A-NA	2.90	128.52	124.51
16	H	4004	BCR	C11-C10-C9	-2.90	123.18	127.31
13	3	512	CLA	CMB-C2B-C3B	2.90	130.10	124.68
13	Y	502	CLA	O2D-CGD-O1D	-2.90	118.18	123.84
13	r	501	CLA	CMB-C2B-C3B	2.90	130.09	124.68
16	B	4004	BCR	C11-C10-C9	-2.90	123.18	127.31
13	b	501	CLA	CMB-C2B-C3B	2.89	130.09	124.68
16	L	4019	BCR	C11-C10-C9	-2.89	123.18	127.31
16	V	4019	BCR	C11-C10-C9	-2.89	123.18	127.31
13	b	508	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
13	4	501	CLA	CMB-C2B-C3B	2.89	130.09	124.68
20	c	822	SQD	C44-O6-C1	2.89	119.39	113.74
20	u	822	SQD	C44-O6-C1	2.89	119.39	113.74
13	A	1131	CLA	CMB-C2B-C1B	-2.89	124.02	128.46
13	G	1104	CLA	CHB-C4A-NA	2.89	128.51	124.51
16	b	524	BCR	C8-C7-C6	-2.89	119.08	127.20
16	3	523	BCR	C33-C5-C6	-2.89	121.28	124.53
13	b	511	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
13	G	1131	CLA	CMB-C2B-C1B	-2.89	124.02	128.46
13	a	507	CLA	CHB-C4A-NA	2.89	128.51	124.51
19	H	5002	LMG	O6-C1-O1	-2.89	103.12	109.97
13	1	512	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
16	4	524	BCR	C8-C7-C6	-2.89	119.08	127.20
13	a	518	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
16	c	521	BCR	C30-C25-C26	-2.89	118.54	122.61
13	s	518	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
13	G	1118	CLA	CMB-C2B-C3B	2.89	130.09	124.68
13	A	1136	CLA	CHB-C4A-NA	2.89	128.51	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	3	519	CLA	CHB-C4A-NA	2.89	128.51	124.51
16	o	4021	BCR	C20-C19-C18	-2.89	118.30	126.42
13	c	512	CLA	CMB-C2B-C3B	2.89	130.08	124.68
13	H	1205	CLA	CMB-C2B-C3B	2.89	130.08	124.68
13	4	519	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
13	a	508	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
13	6	503	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
16	n	4019	BCR	C11-C10-C9	-2.89	123.19	127.31
13	f	1201	CLA	CHB-C4A-NA	2.89	128.50	124.51
13	3	518	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
13	q	512	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
13	t	501	CLA	CMB-C2B-C3B	2.89	130.08	124.68
16	c	523	BCR	C16-C17-C18	-2.89	123.19	127.31
13	A	1115	CLA	CHB-C4A-NA	2.89	128.50	124.51
16	I	4018	BCR	C1-C6-C5	-2.88	118.55	122.61
13	e	1131	CLA	CMB-C2B-C1B	-2.88	124.03	128.46
13	A	1237	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
13	H	1023	CLA	CHB-C4A-NA	2.88	128.50	124.51
13	c	509	CLA	CHB-C4A-NA	2.88	128.50	124.51
13	4	511	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
16	H	4017	BCR	C21-C20-C19	-2.88	114.22	123.22
13	5	512	CLA	CMB-C2B-C3B	2.88	130.07	124.68
16	B	4017	BCR	C34-C9-C8	2.88	122.62	118.08
13	s	506	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
13	q	502	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
16	l	522	BCR	C33-C5-C6	-2.88	121.30	124.53
13	A	1109	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
16	Y	522	BCR	C33-C5-C6	-2.88	121.30	124.53
13	v	513	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
16	F	4016	BCR	C11-C12-C13	-2.88	118.33	126.42
13	e	1115	CLA	CHB-C4A-NA	2.88	128.49	124.51
16	B	4017	BCR	C21-C20-C19	-2.88	114.24	123.22
16	u	521	BCR	C30-C25-C26	-2.88	118.56	122.61
13	A	1104	CLA	CHB-C4A-NA	2.88	128.49	124.51
16	A	4011	BCR	C20-C19-C18	-2.88	118.33	126.42
13	f	1234	CLA	C1B-CHB-C4A	-2.88	124.42	130.12
13	e	1135	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
13	b	503	CLA	CHB-C4A-NA	2.88	128.49	124.51
16	f	4009	BCR	C15-C16-C17	-2.88	117.58	123.47
16	n	4022	BCR	C28-C27-C26	-2.88	108.94	114.08
16	5	521	BCR	C30-C25-C26	-2.88	118.56	122.61
16	G	4011	BCR	C20-C19-C18	-2.88	118.34	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	Y	522	BCR	C38-C26-C27	2.88	119.14	113.62
13	1	502	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	Z	508	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	b	512	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
16	R	4016	BCR	C11-C12-C13	-2.87	118.34	126.42
13	1	513	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	3	507	CLA	CHB-C4A-NA	2.87	128.49	124.51
13	G	1115	CLA	CHB-C4A-NA	2.87	128.49	124.51
13	G	1136	CLA	CHB-C4A-NA	2.87	128.49	124.51
13	b	505	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	A	1122	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	4	512	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	f	1212	CLA	CHB-C4A-NA	2.87	128.48	124.51
13	q	501	CLA	CMB-C2B-C3B	2.87	130.05	124.68
13	4	518	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	B	1023	CLA	CHB-C4A-NA	2.87	128.48	124.51
13	2	508	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
13	e	1237	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
16	r	521	BCR	C3-C4-C5	-2.87	108.95	114.08
16	G	4008	BCR	C16-C15-C14	-2.87	117.59	123.47
13	6	513	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
13	A	1110	CLA	CHB-C4A-NA	2.87	128.48	124.51
13	s	519	CLA	CHB-C4A-NA	2.87	128.48	124.51
13	t	511	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
13	3	508	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
13	a	506	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
16	f	4017	BCR	C21-C20-C19	-2.87	114.26	123.22
16	j	4016	BCR	C11-C12-C13	-2.87	118.36	126.42
13	e	1136	CLA	CHB-C4A-NA	2.87	128.48	124.51
16	Z	521	BCR	C3-C4-C5	-2.87	108.95	114.08
13	f	1023	CLA	CHB-C4A-NA	2.87	128.48	124.51
16	A	4008	BCR	C16-C15-C14	-2.87	117.60	123.47
13	s	517	CLA	CMB-C2B-C3B	2.87	130.04	124.68
13	H	1212	CLA	CHB-C4A-NA	2.87	128.48	124.51
16	V	4022	BCR	C28-C27-C26	-2.87	108.96	114.08
13	s	508	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
13	B	1201	CLA	CHB-C4A-NA	2.87	128.48	124.51
13	Y	513	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
13	v	518	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
16	3	524	BCR	C24-C23-C22	-2.87	121.91	126.23
16	s	524	BCR	C24-C23-C22	-2.87	121.91	126.23
16	H	4009	BCR	C15-C16-C17	-2.87	117.60	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	q	513	CLA	O2D-CGD-O1D	-2.87	118.24	123.84
16	f	4006	BCR	C37-C22-C21	-2.86	118.91	122.92
13	t	511	CLA	CHB-C4A-NA	2.86	128.47	124.51
13	B	1234	CLA	C1B-CHB-C4A	-2.86	124.44	130.12
13	u	512	CLA	CMB-C2B-C3B	2.86	130.04	124.68
13	G	1122	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
13	t	512	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
13	6	519	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
13	c	511	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
16	e	4008	BCR	C16-C15-C14	-2.86	117.61	123.47
16	f	4017	BCR	C34-C9-C8	2.86	122.59	118.08
13	H	1234	CLA	C1B-CHB-C4A	-2.86	124.45	130.12
13	A	1135	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
13	G	1237	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
16	e	4011	BCR	C20-C19-C18	-2.86	118.38	126.42
16	A	4002	BCR	C3-C4-C5	-2.86	108.97	114.08
13	d	507	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
13	b	511	CLA	CHB-C4A-NA	2.86	128.47	124.51
13	6	518	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
13	B	1212	CLA	CHB-C4A-NA	2.86	128.47	124.51
13	4	505	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
13	5	509	CLA	CHB-C4A-NA	2.86	128.47	124.51
13	G	1109	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
13	q	507	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
16	1	522	BCR	C38-C26-C27	2.86	119.11	113.62
13	H	1201	CLA	CHB-C4A-NA	2.86	128.47	124.51
13	f	1218	CLA	CHB-C4A-NA	2.86	128.47	124.51
13	3	506	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
16	q	523	BCR	C33-C5-C6	-2.86	121.32	124.53
16	2	521	BCR	C3-C4-C5	-2.86	108.97	114.08
13	c	508	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
13	e	1122	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
13	Y	507	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
13	4	503	CLA	CHB-C4A-NA	2.86	128.46	124.51
13	b	518	CLA	O2D-CGD-O1D	-2.86	118.26	123.84
13	t	518	CLA	CHB-C4A-NA	2.86	128.46	124.51
13	A	1114	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
13	B	1218	CLA	CHB-C4A-NA	2.85	128.46	124.51
13	4	511	CLA	CHB-C4A-NA	2.85	128.46	124.51
13	e	1114	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
16	f	4010	BCR	C8-C7-C6	-2.85	119.19	127.20
16	L	4022	BCR	C28-C27-C26	-2.85	108.98	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	5	508	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
13	t	505	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
16	B	4009	BCR	C15-C16-C17	-2.85	117.63	123.47
13	b	510	CLA	CHB-C4A-NA	2.85	128.46	124.51
13	v	501	CLA	CHB-C4A-NA	2.85	128.46	124.51
13	6	516	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
13	u	508	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
16	e	4002	BCR	C3-C4-C5	-2.85	108.99	114.08
13	r	519	CLA	CMB-C2B-C1B	-2.85	124.08	128.46
13	F	1302	CLA	CHB-C4A-NA	2.85	128.45	124.51
13	b	518	CLA	CHB-C4A-NA	2.85	128.45	124.51
13	H	1218	CLA	CHB-C4A-NA	2.85	128.45	124.51
13	u	509	CLA	CHB-C4A-NA	2.85	128.45	124.51
13	u	518	CLA	CMB-C2B-C3B	2.85	130.01	124.68
16	G	4002	BCR	C3-C4-C5	-2.85	108.99	114.08
13	l	507	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
13	d	516	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
13	q	512	CLA	CMB-C2B-C3B	2.85	130.01	124.68
13	q	518	CLA	CMB-C2B-C3B	2.85	130.01	124.68
16	l	522	BCR	C11-C12-C13	-2.85	118.41	126.42
16	q	522	BCR	C38-C26-C27	2.85	119.09	113.62
13	6	507	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
13	u	511	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
16	a	524	BCR	C24-C23-C22	-2.85	121.93	126.23
16	B	4010	BCR	C8-C7-C6	-2.85	119.21	127.20
13	a	501	CLA	CHB-C4A-NA	2.85	128.45	124.51
13	5	511	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
13	G	1135	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
13	t	518	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
16	Y	522	BCR	C11-C12-C13	-2.85	118.42	126.42
13	G	1131	CLA	CHB-C4A-NA	2.84	128.45	124.51
13	d	518	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
13	5	518	CLA	CMB-C2B-C3B	2.84	130.00	124.68
13	G	1114	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
13	4	502	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	G	1110	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	A	1133	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
13	v	516	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
13	a	502	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	l	512	CLA	CMB-C2B-C3B	2.84	130.00	124.68
13	R	1302	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	c	518	CLA	CMB-C2B-C3B	2.84	130.00	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	H	4010	BCR	C8-C7-C6	-2.84	119.22	127.20
13	Y	519	CLA	CMB-C2B-C1B	-2.84	124.10	128.46
13	c	517	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
13	v	519	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
13	1	519	CLA	CMB-C2B-C1B	-2.84	124.10	128.46
13	2	511	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	4	518	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	3	502	CLA	CHB-C4A-NA	2.84	128.44	124.51
13	4	509	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
13	r	503	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
16	V	4219	BCR	C28-C27-C26	-2.84	109.01	114.08
13	e	1128	CLA	C1B-CHB-C4A	-2.84	124.50	130.12
13	s	511	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
13	u	513	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
16	L	4219	BCR	C28-C27-C26	-2.84	109.01	114.08
13	s	511	CLA	CHB-C4A-NA	2.84	128.44	124.51
16	r	523	BCR	C20-C21-C22	-2.84	123.26	127.31
13	Y	508	CLA	CHB-C4A-NA	2.84	128.43	124.51
13	q	508	CLA	CHB-C4A-NA	2.84	128.43	124.51
13	r	516	CLA	CHB-C4A-NA	2.84	128.43	124.51
13	t	510	CLA	CHB-C4A-NA	2.84	128.43	124.51
13	b	509	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
13	V	1502	CLA	CHB-C4A-NA	2.84	128.43	124.51
13	d	519	CLA	O2D-CGD-O1D	-2.84	118.30	123.84
13	e	1104	CLA	CHB-C4A-NA	2.83	128.43	124.51
13	4	502	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
13	1	508	CLA	C4-C3-C5	2.83	120.04	115.27
13	t	502	CLA	CHB-C4A-NA	2.83	128.43	124.51
13	1	518	CLA	CMB-C2B-C3B	2.83	129.98	124.68
13	3	517	CLA	CMB-C2B-C3B	2.83	129.98	124.68
20	L	5216	SQD	O8-S-C6	2.83	110.25	105.74
13	m	1103	CLA	CHB-C4A-NA	2.83	128.43	124.51
16	q	522	BCR	C11-C12-C13	-2.83	118.46	126.42
13	f	1214	CLA	CMB-C2B-C3B	2.83	129.97	124.68
13	e	1133	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
13	3	501	CLA	CHB-C4A-NA	2.83	128.43	124.51
16	H	4010	BCR	C20-C21-C22	-2.83	123.27	127.31
13	u	517	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
13	4	501	CLA	CHB-C4A-NA	2.83	128.43	124.51
13	u	506	CLA	CHB-C4A-NA	2.83	128.43	124.51
13	Z	519	CLA	CMB-C2B-C1B	-2.83	124.11	128.46
16	s	524	BCR	C33-C5-C4	2.83	119.05	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	d	522	BCR	C38-C26-C25	-2.83	121.35	124.53
13	3	511	CLA	CHB-C4A-NA	2.83	128.42	124.51
13	Z	511	CLA	CHB-C4A-NA	2.83	128.42	124.51
13	t	509	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
13	B	1214	CLA	CMB-C2B-C3B	2.83	129.97	124.68
13	Z	507	CLA	CHB-C4A-NA	2.83	128.42	124.51
16	n	4219	BCR	C28-C27-C26	-2.83	109.03	114.08
13	G	1128	CLA	C1B-CHB-C4A	-2.83	124.52	130.12
13	q	508	CLA	C4-C3-C5	2.83	120.03	115.27
16	q	522	BCR	C33-C5-C6	-2.83	121.35	124.53
13	Y	508	CLA	C4-C3-C5	2.83	120.03	115.27
20	V	5216	SQD	O8-S-C6	2.83	110.24	105.74
20	b	822	SQD	C44-O6-C1	2.83	119.26	113.74
13	G	1133	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
13	A	1131	CLA	CHB-C4A-NA	2.83	128.42	124.51
13	s	503	CLA	CMB-C2B-C3B	2.83	129.96	124.68
13	5	513	CLA	O2D-CGD-O1D	-2.82	118.31	123.84
13	G	1119	CLA	O2D-CGD-O1D	-2.82	118.31	123.84
16	3	524	BCR	C33-C5-C4	2.82	119.04	113.62
13	3	503	CLA	CMB-C2B-C3B	2.82	129.96	124.68
13	A	1128	CLA	C1B-CHB-C4A	-2.82	124.52	130.12
13	Z	501	CLA	CHB-C4A-NA	2.82	128.42	124.51
13	r	507	CLA	CHB-C4A-NA	2.82	128.42	124.51
16	G	4008	BCR	C38-C26-C25	-2.82	121.36	124.53
13	r	502	CLA	CMB-C2B-C1B	-2.82	124.12	128.46
13	H	1226	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
16	4	522	BCR	C38-C26-C27	2.82	119.04	113.62
13	j	1302	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	r	511	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	u	519	CLA	CHB-C4A-NA	2.82	128.41	124.51
16	J	4012	BCR	C23-C22-C21	2.82	123.27	118.94
13	v	507	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
16	A	4008	BCR	C38-C26-C25	-2.82	121.36	124.53
13	a	503	CLA	CMB-C2B-C3B	2.82	129.96	124.68
19	f	5002	LMG	O1-C7-C8	-2.82	104.09	110.90
20	n	5216	SQD	O8-S-C6	2.82	110.24	105.74
13	5	517	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
13	6	501	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	r	501	CLA	CHB-C4A-NA	2.82	128.41	124.51
16	b	522	BCR	C38-C26-C27	2.82	119.03	113.62
13	t	503	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	2	503	CLA	O2D-CGD-O1D	-2.82	118.32	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	502	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
13	s	507	CLA	CHB-C4A-NA	2.82	128.41	124.51
20	4	822	SQD	C44-O6-C1	2.82	119.25	113.74
16	6	522	BCR	C38-C26-C25	-2.82	121.36	124.53
13	Y	512	CLA	CMB-C2B-C3B	2.82	129.95	124.68
13	4	510	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	e	1131	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	Y	518	CLA	CMB-C2B-C3B	2.82	129.95	124.68
13	Z	506	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
16	t	522	BCR	C38-C26-C27	2.82	119.03	113.62
13	H	1012	CLA	C1B-CHB-C4A	-2.82	124.54	130.12
13	2	519	CLA	CMB-C2B-C1B	-2.82	124.13	128.46
13	H	1214	CLA	CMB-C2B-C3B	2.82	129.95	124.68
16	H	4010	BCR	C33-C5-C4	2.82	119.03	113.62
13	3	511	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
13	Y	503	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
13	e	1119	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
13	B	1226	CLA	C1B-CHB-C4A	-2.82	124.54	130.12
16	a	522	BCR	C20-C21-C22	-2.82	123.29	127.31
16	l	523	BCR	C33-C5-C6	-2.82	121.36	124.53
13	c	519	CLA	CMB-C2B-C3B	2.82	129.95	124.68
16	a	524	BCR	C33-C5-C4	2.82	119.03	113.62
13	b	501	CLA	CHB-C4A-NA	2.82	128.41	124.51
13	n	1503	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
13	Z	502	CLA	CMB-C2B-C1B	-2.82	124.14	128.46
13	f	1226	CLA	C1B-CHB-C4A	-2.82	124.54	130.12
17	e	5002	LHG	O8-C23-C24	2.82	120.75	111.91
13	5	516	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
13	l	508	CLA	CHB-C4A-NA	2.82	128.41	124.51
16	u	524	BCR	C15-C16-C17	-2.82	117.71	123.47
17	A	5002	LHG	O8-C23-C24	2.82	120.74	111.91
16	5	521	BCR	C23-C24-C25	-2.82	119.29	127.20
16	f	4010	BCR	C33-C5-C4	2.82	119.03	113.62
13	B	1220	CLA	O2A-CGA-O1A	-2.82	116.49	123.59
13	B	1012	CLA	C1B-CHB-C4A	-2.82	124.54	130.12
16	n	4020	BCR	C10-C11-C12	-2.82	114.43	123.22
19	B	5002	LMG	O1-C7-C8	-2.82	104.11	110.90
16	u	521	BCR	C23-C24-C25	-2.81	119.30	127.20
16	Y	523	BCR	C33-C5-C6	-2.81	121.37	124.53
13	2	502	CLA	CMB-C2B-C1B	-2.81	124.14	128.46
13	2	507	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	Z	518	CLA	CHB-C4A-NA	2.81	128.40	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	c	521	BCR	C23-C24-C25	-2.81	119.30	127.20
16	B	4010	BCR	C33-C5-C4	2.81	119.02	113.62
13	a	517	CLA	CMB-C2B-C3B	2.81	129.94	124.68
13	a	511	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	c	519	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	s	502	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	u	519	CLA	CMB-C2B-C3B	2.81	129.94	124.68
16	v	522	BCR	C38-C26-C25	-2.81	121.37	124.53
16	L	4020	BCR	C10-C11-C12	-2.81	114.44	123.22
13	2	516	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	1	503	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
13	H	1220	CLA	O2A-CGA-O1A	-2.81	116.50	123.59
16	Z	523	BCR	C20-C21-C22	-2.81	123.30	127.31
13	c	513	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
13	f	1231	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
16	T	4012	BCR	C23-C22-C21	2.81	123.25	118.94
16	3	522	BCR	C20-C21-C22	-2.81	123.30	127.31
19	H	5002	LMG	O1-C7-C8	-2.81	104.12	110.90
13	b	502	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	q	519	CLA	CMB-C2B-C1B	-2.81	124.14	128.46
13	5	519	CLA	CMB-C2B-C3B	2.81	129.94	124.68
13	u	501	CLA	CHB-C4A-NA	2.81	128.40	124.51
16	2	522	BCR	C33-C5-C6	-2.81	121.37	124.53
16	e	4008	BCR	C38-C26-C25	-2.81	121.37	124.53
13	t	502	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
13	U	1103	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	d	501	CLA	CHB-C4A-NA	2.81	128.40	124.51
16	2	523	BCR	C20-C21-C22	-2.81	123.30	127.31
13	6	505	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
13	f	1220	CLA	O2A-CGA-O1A	-2.81	116.50	123.59
13	B	1208	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	L	1502	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	6	507	CLA	CHB-C4A-NA	2.81	128.40	124.51
13	Z	503	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
16	B	4010	BCR	C20-C21-C22	-2.81	123.30	127.31
13	v	505	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
13	u	502	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
13	t	508	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
20	t	822	SQD	C44-O6-C1	2.81	119.22	113.74
13	s	501	CLA	CHB-C4A-NA	2.81	128.39	124.51
13	2	506	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
13	5	502	CLA	O2D-CGD-O1D	-2.81	118.35	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	a	517	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
13	Z	516	CLA	CHB-C4A-NA	2.81	128.39	124.51
13	d	502	CLA	CHB-C4A-NA	2.80	128.39	124.51
13	f	1208	CLA	CHB-C4A-NA	2.80	128.39	124.51
13	r	506	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	b	508	CLA	C1B-CHB-C4A	-2.80	124.56	130.12
16	r	522	BCR	C33-C5-C6	-2.80	121.38	124.53
13	c	503	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	5	501	CLA	CHB-C4A-NA	2.80	128.39	124.51
13	L	1503	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	c	516	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	u	516	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	G	1122	CLA	CMB-C2B-C3B	2.80	129.92	124.68
17	G	5002	LHG	O8-C23-C24	2.80	120.70	111.91
16	Z	522	BCR	C33-C5-C6	-2.80	121.38	124.53
13	6	502	CLA	CHB-C4A-NA	2.80	128.39	124.51
16	5	524	BCR	C20-C21-C22	-2.80	123.31	127.31
13	a	511	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	c	502	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
13	4	508	CLA	C1B-CHB-C4A	-2.80	124.57	130.12
16	c	524	BCR	C15-C16-C17	-2.80	117.74	123.47
13	l	1303	CLA	CHB-C4A-NA	2.80	128.38	124.51
16	u	524	BCR	C20-C21-C22	-2.80	123.31	127.31
13	K	1103	CLA	CHB-C4A-NA	2.80	128.38	124.51
16	u	523	BCR	C21-C20-C19	-2.80	114.48	123.22
13	2	501	CLA	CHB-C4A-NA	2.80	128.38	124.51
13	A	1119	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
16	5	523	BCR	C21-C20-C19	-2.80	114.48	123.22
13	5	506	CLA	CHB-C4A-NA	2.80	128.38	124.51
13	5	508	CLA	CHB-C4A-NA	2.80	128.38	124.51
13	H	1228	CLA	CHB-C4A-NA	2.80	128.38	124.51
13	3	517	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
13	H	1023	CLA	CBC-CAC-C3C	2.80	120.14	112.43
13	c	504	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
13	b	517	CLA	CHB-C4A-NA	2.80	128.38	124.51
13	a	505	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
16	V	4020	BCR	C10-C11-C12	-2.80	114.49	123.22
16	4	523	BCR	C20-C21-C22	-2.80	123.32	127.31
13	c	506	CLA	CHB-C4A-NA	2.80	128.38	124.51
13	d	510	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
13	q	503	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
13	v	502	CLA	CHB-C4A-NA	2.79	128.38	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	5003	LHG	C11-C10-C9	-2.79	100.24	114.42
13	B	1231	CLA	O2D-CGD-O1D	-2.79	118.37	123.84
13	s	517	CLA	O2D-CGD-O1D	-2.79	118.37	123.84
13	5	519	CLA	CHB-C4A-NA	2.79	128.38	124.51
13	t	501	CLA	CHB-C4A-NA	2.79	128.38	124.51
13	3	505	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
13	d	505	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
13	d	507	CLA	CHB-C4A-NA	2.79	128.38	124.51
13	v	503	CLA	CHB-C4A-NA	2.79	128.38	124.51
13	q	508	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
13	q	506	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
13	u	503	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
13	n	1502	CLA	CHB-C4A-NA	2.79	128.37	124.51
16	c	523	BCR	C21-C20-C19	-2.79	114.50	123.22
17	e	5003	LHG	C11-C10-C9	-2.79	100.25	114.42
17	G	5003	LHG	C11-C10-C9	-2.79	100.25	114.42
13	6	503	CLA	CHB-C4A-NA	2.79	128.37	124.51
16	b	523	BCR	C20-C21-C22	-2.79	123.33	127.31
13	H	1204	CLA	CHB-C4A-NA	2.79	128.37	124.51
13	H	1208	CLA	CHB-C4A-NA	2.79	128.37	124.51
16	R	4016	BCR	C16-C17-C18	-2.79	123.33	127.31
13	4	516	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
16	f	4006	BCR	C34-C9-C10	-2.79	119.02	122.92
13	e	1117	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
13	J	1303	CLA	CHB-C4A-NA	2.79	128.37	124.51
16	c	524	BCR	C20-C21-C22	-2.79	123.33	127.31
13	1	506	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
16	5	524	BCR	C15-C16-C17	-2.79	117.76	123.47
13	d	506	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
13	1	518	CLA	CHB-C4A-NA	2.79	128.37	124.51
13	T	1303	CLA	CHB-C4A-NA	2.79	128.37	124.51
13	f	1207	CLA	CHB-C4A-NA	2.79	128.37	124.51
16	B	4006	BCR	C34-C9-C10	-2.79	119.02	122.92
13	v	506	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
13	v	517	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
16	1	524	BCR	C20-C21-C22	-2.79	123.33	127.31
13	G	1011	CLA	CMB-C2B-C3B	2.79	129.89	124.68
13	B	1023	CLA	CBC-CAC-C3C	2.79	120.11	112.43
13	B	1228	CLA	CHB-C4A-NA	2.79	128.37	124.51
13	G	1117	CLA	CHB-C4A-NA	2.79	128.37	124.51
16	f	4010	BCR	C20-C21-C22	-2.79	123.33	127.31
13	Y	508	CLA	C1B-CHB-C4A	-2.79	124.60	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	W	4021	BCR	C38-C26-C27	2.79	118.97	113.62
13	c	508	CLA	CHB-C4A-NA	2.79	128.36	124.51
13	u	508	CLA	CHB-C4A-NA	2.79	128.36	124.51
13	A	1122	CLA	CMB-C2B-C3B	2.79	129.89	124.68
13	6	517	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
13	H	1231	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
13	v	507	CLA	CHB-C4A-NA	2.78	128.36	124.51
13	A	1011	CLA	CMB-C2B-C3B	2.78	129.89	124.68
13	V	1503	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
16	H	4006	BCR	C15-C16-C17	-2.78	117.77	123.47
13	e	1122	CLA	CMB-C2B-C3B	2.78	129.89	124.68
13	t	516	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
13	f	1208	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
13	2	513	CLA	CMB-C2B-C3B	2.78	129.88	124.68
20	b	822	SQD	O8-S-C6	2.78	110.17	105.74
13	e	1011	CLA	CMB-C2B-C3B	2.78	129.88	124.68
13	c	501	CLA	CHB-C4A-NA	2.78	128.36	124.51
16	B	4014	BCR	C28-C27-C26	-2.78	109.11	114.08
13	A	1011	CLA	C2A-C1A-CHA	2.78	128.72	123.86
13	c	507	CLA	CHB-C4A-NA	2.78	128.36	124.51
16	s	522	BCR	C20-C21-C22	-2.78	123.34	127.31
13	f	1023	CLA	CBC-CAC-C3C	2.78	120.09	112.43
13	e	1011	CLA	C2A-C1A-CHA	2.78	128.72	123.86
16	A	4001	BCR	C11-C12-C13	-2.78	118.61	126.42
13	s	505	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
13	B	1207	CLA	CHB-C4A-NA	2.78	128.35	124.51
13	6	506	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
13	f	1012	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
13	5	507	CLA	CHB-C4A-NA	2.78	128.35	124.51
16	f	4014	BCR	C28-C27-C26	-2.78	109.12	114.08
13	6	510	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
16	f	4006	BCR	C15-C16-C17	-2.78	117.78	123.47
13	a	503	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
16	e	4001	BCR	C11-C12-C13	-2.78	118.61	126.42
16	F	4016	BCR	C16-C17-C18	-2.78	123.35	127.31
13	A	1117	CLA	C1B-CHB-C4A	-2.78	124.62	130.12
13	s	503	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
13	Y	506	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
13	q	518	CLA	CHB-C4A-NA	2.77	128.35	124.51
13	u	504	CLA	O2D-CGD-O1D	-2.77	118.41	123.84
16	M	4021	BCR	C38-C26-C27	2.77	118.95	113.62
13	3	503	CLA	O2D-CGD-O1D	-2.77	118.41	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1205	CLA	CHB-C4A-NA	2.77	128.35	124.51
13	H	1207	CLA	CHB-C4A-NA	2.77	128.35	124.51
16	B	4006	BCR	C15-C16-C17	-2.77	117.79	123.47
13	B	1208	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	u	505	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	G	1136	CLA	C1B-CHB-C4A	-2.77	124.62	130.12
13	f	1236	CLA	C1B-CHB-C4A	-2.77	124.62	130.12
16	H	4006	BCR	C34-C9-C10	-2.77	119.04	122.92
13	a	519	CLA	CMB-C2B-C3B	2.77	129.87	124.68
16	Y	524	BCR	C20-C21-C22	-2.77	123.35	127.31
13	4	517	CLA	CHB-C4A-NA	2.77	128.35	124.51
13	e	1117	CLA	CHB-C4A-NA	2.77	128.35	124.51
16	j	4016	BCR	C16-C17-C18	-2.77	123.35	127.31
13	2	513	CLA	CHB-C4A-NA	2.77	128.35	124.51
13	2	518	CLA	CHB-C4A-NA	2.77	128.35	124.51
13	q	507	CLA	CHB-C4A-NA	2.77	128.35	124.51
20	4	822	SQD	O8-S-C6	2.77	110.16	105.74
13	5	504	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	3	518	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	s	518	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	t	517	CLA	CHB-C4A-NA	2.77	128.34	124.51
16	S	4018	BCR	C21-C20-C19	-2.77	114.57	123.22
13	5	505	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	5	503	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	t	501	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	H	1205	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	f	1228	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	U	1103	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	e	1120	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	r	518	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	Z	513	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	b	501	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
13	1	508	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
16	G	4001	BCR	C11-C12-C13	-2.77	118.64	126.42
13	G	1122	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	G	1117	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
13	H	1208	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
16	L	4019	BCR	C20-C21-C22	-2.77	123.36	127.31
16	l	4012	BCR	C23-C22-C21	2.77	123.19	118.94
13	G	1120	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	b	516	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
13	s	519	CLA	CMB-C2B-C3B	2.77	129.86	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1119	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
13	5	510	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
13	r	513	CLA	CMB-C2B-C3B	2.77	129.86	124.68
13	B	1204	CLA	CHB-C4A-NA	2.77	128.34	124.51
16	J	4013	BCR	C16-C15-C14	-2.77	117.81	123.47
20	3	822	SQD	O8-S-C6	2.77	110.15	105.74
17	S	5001	LHG	O8-C23-C24	2.77	120.59	111.91
13	v	510	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
13	e	1122	CLA	CHB-C4A-NA	2.77	128.34	124.51
13	L	1501	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
16	H	4014	BCR	C28-C27-C26	-2.77	109.14	114.08
16	k	4018	BCR	C21-C20-C19	-2.77	114.59	123.22
16	l	4013	BCR	C16-C15-C14	-2.76	117.81	123.47
13	A	1117	CLA	CHB-C4A-NA	2.76	128.33	124.51
13	3	519	CLA	CMB-C2B-C3B	2.76	129.85	124.68
13	Y	517	CLA	CMB-C2B-C3B	2.76	129.85	124.68
16	T	4013	BCR	C16-C15-C14	-2.76	117.81	123.47
20	t	822	SQD	O8-S-C6	2.76	110.14	105.74
13	A	1119	CLA	C1B-CHB-C4A	-2.76	124.64	130.12
13	Z	513	CLA	CMB-C2B-C3B	2.76	129.85	124.68
16	t	523	BCR	C20-C21-C22	-2.76	123.37	127.31
13	4	513	CLA	CHB-C4A-NA	2.76	128.33	124.51
13	c	516	CLA	CHB-C4A-NA	2.76	128.33	124.51
17	I	5001	LHG	O8-C23-C24	2.76	120.57	111.91
16	I	4018	BCR	C21-C20-C19	-2.76	114.60	123.22
16	o	4021	BCR	C38-C26-C27	2.76	118.92	113.62
13	c	505	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
13	n	1501	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
13	u	510	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
13	f	1225	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
13	G	1011	CLA	C2A-C1A-CHA	2.76	128.68	123.86
16	G	4011	BCR	C16-C17-C18	-2.76	123.37	127.31
16	q	524	BCR	C20-C21-C22	-2.76	123.37	127.31
20	a	822	SQD	O8-S-C6	2.76	110.14	105.74
13	B	1236	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
13	A	1122	CLA	CHB-C4A-NA	2.76	128.33	124.51
17	k	5001	LHG	O8-C23-C24	2.76	120.56	111.91
16	Z	521	BCR	C33-C5-C6	-2.76	121.43	124.53
13	d	517	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
13	H	1221	CLA	O2D-CGD-CBD	2.76	116.17	111.27
13	d	503	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	u	516	CLA	CHB-C4A-NA	2.76	128.32	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	4	501	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
13	B	1229	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	V	1503	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	f	1229	CLA	CHB-C4A-NA	2.76	128.32	124.51
20	s	822	SQD	O8-S-C6	2.76	110.13	105.74
13	5	503	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	s	503	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	1	517	CLA	CMB-C2B-C3B	2.76	129.83	124.68
13	r	513	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	t	507	CLA	CHB-C4A-NA	2.76	128.32	124.51
13	K	1103	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
13	4	506	CLA	CHB-C4A-NA	2.75	128.32	124.51
13	G	1116	CLA	CHB-C4A-NA	2.75	128.32	124.51
13	m	1103	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
13	u	507	CLA	CHB-C4A-NA	2.75	128.32	124.51
13	q	502	CLA	CMB-C2B-C3B	2.75	129.83	124.68
13	A	1136	CLA	C1B-CHB-C4A	-2.75	124.66	130.12
13	b	517	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
13	c	510	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
13	H	1217	CLA	CHB-C4A-NA	2.75	128.32	124.51
13	r	512	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
16	f	4004	BCR	C28-C27-C26	-2.75	109.16	114.08
13	m	1401	CLA	CMB-C2B-C3B	2.75	129.82	124.68
16	u	522	BCR	C15-C16-C17	-2.75	117.84	123.47
20	v	822	SQD	C44-O6-C1	2.75	119.11	113.74
16	A	4008	BCR	C10-C11-C12	-2.75	114.63	123.22
13	B	1232	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
16	B	4004	BCR	C28-C27-C26	-2.75	109.17	114.08
13	H	1236	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
16	n	4019	BCR	C20-C21-C22	-2.75	123.39	127.31
13	b	513	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	f	1204	CLA	CHB-C4A-NA	2.75	128.31	124.51
16	e	4007	BCR	C15-C16-C17	-2.75	117.84	123.47
16	e	4011	BCR	C16-C17-C18	-2.75	123.39	127.31
13	5	516	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	H	1229	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	t	506	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	R	1302	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
13	a	512	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
20	2	822	SQD	C4-C3-C2	2.75	115.62	110.82
13	2	512	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
13	V	1501	CLA	O2D-CGD-O1D	-2.75	118.47	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	f	1221	CLA	O2D-CGD-CBD	2.75	116.15	111.27
20	d	822	SQD	C44-O6-C1	2.75	119.11	113.74
13	u	513	CLA	CMB-C2B-C3B	2.75	129.82	124.68
13	u	510	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	H	1225	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
13	e	1119	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
20	3	822	SQD	C44-O6-C1	2.75	119.10	113.74
13	1	502	CLA	CMB-C2B-C3B	2.75	129.82	124.68
13	F	1302	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
13	H	1212	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
20	2	822	SQD	O8-S-C6	2.75	110.12	105.74
13	1	507	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	q	503	CLA	CHB-C4A-NA	2.75	128.31	124.51
13	B	1225	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
13	2	512	CLA	CMB-C2B-C3B	2.75	129.81	124.68
13	3	512	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
13	s	512	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
13	6	502	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
13	r	518	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
13	t	517	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
13	G	1111	CLA	CHB-C4A-NA	2.74	128.31	124.51
13	Y	511	CLA	CHB-C4A-NA	2.74	128.31	124.51
13	u	518	CLA	CHB-C4A-NA	2.74	128.31	124.51
13	B	1021	CLA	CMB-C2B-C1B	-2.74	124.25	128.46
13	4	517	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
13	c	513	CLA	CMB-C2B-C3B	2.74	129.81	124.68
20	6	822	SQD	C44-O6-C1	2.74	119.10	113.74
20	s	822	SQD	C44-O6-C1	2.74	119.10	113.74
16	m	4104	BCR	C3-C4-C5	-2.74	109.18	114.08
16	U	4104	BCR	C15-C16-C17	-2.74	117.86	123.47
13	Y	502	CLA	CMB-C2B-C3B	2.74	129.81	124.68
13	f	1212	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
13	B	1221	CLA	O2D-CGD-CBD	2.74	116.14	111.27
20	r	822	SQD	O8-S-C6	2.74	110.11	105.74
13	t	504	CLA	CHB-C4A-NA	2.74	128.30	124.51
13	v	502	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
13	5	513	CLA	CMB-C2B-C3B	2.74	129.81	124.68
16	G	4008	BCR	C10-C11-C12	-2.74	114.67	123.22
13	Y	507	CLA	CHB-C4A-NA	2.74	128.30	124.51
13	Z	512	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
13	d	502	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
13	f	1230	CLA	O2D-CGD-CBD	2.74	116.14	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	f	1205	CLA	CHB-C4A-NA	2.74	128.30	124.51
20	Z	822	SQD	C4-C3-C2	2.74	115.61	110.82
16	U	4104	BCR	C3-C4-C5	-2.74	109.19	114.08
13	1	503	CLA	CHB-C4A-NA	2.74	128.30	124.51
13	f	1217	CLA	CHB-C4A-NA	2.74	128.30	124.51
13	u	503	CLA	CHB-C4A-NA	2.74	128.30	124.51
13	j	1302	CLA	O2D-CGD-O1D	-2.74	118.49	123.84
16	c	523	BCR	C7-C8-C9	-2.74	122.10	126.23
13	f	1021	CLA	CMB-C2B-C1B	-2.74	124.26	128.46
16	n	4020	BCR	C3-C4-C5	-2.74	109.19	114.08
16	e	4008	BCR	C10-C11-C12	-2.74	114.68	123.22
17	e	5005	LHG	C11-C10-C9	-2.74	100.53	114.42
16	r	521	BCR	C33-C5-C6	-2.74	121.45	124.53
13	j	1301	CLA	O2D-CGD-O1D	-2.74	118.49	123.84
13	A	1120	CLA	CHB-C4A-NA	2.74	128.29	124.51
13	L	1503	CLA	CHB-C4A-NA	2.74	128.29	124.51
16	2	521	BCR	C33-C5-C6	-2.74	121.46	124.53
16	c	524	BCR	C8-C7-C6	-2.74	119.52	127.20
13	B	1222	CLA	O2D-CGD-CBD	2.74	116.13	111.27
13	e	1112	CLA	C1B-CHB-C4A	-2.74	124.70	130.12
13	e	1136	CLA	C1B-CHB-C4A	-2.74	124.70	130.12
13	r	512	CLA	CMB-C2B-C3B	2.73	129.79	124.68
16	u	523	BCR	C7-C8-C9	-2.73	122.10	126.23
13	a	518	CLA	CHB-C4A-NA	2.73	128.29	124.51
16	m	4104	BCR	C15-C16-C17	-2.73	117.87	123.47
16	u	522	BCR	C16-C17-C18	-2.73	123.41	127.31
13	Z	512	CLA	CMB-C2B-C3B	2.73	129.79	124.68
13	B	1212	CLA	O2D-CGD-O1D	-2.73	118.49	123.84
13	c	503	CLA	CHB-C4A-NA	2.73	128.29	124.51
16	V	4019	BCR	C20-C21-C22	-2.73	123.41	127.31
16	c	522	BCR	C16-C17-C18	-2.73	123.41	127.31
17	A	5005	LHG	C11-C10-C9	-2.73	100.55	114.42
13	e	1124	CLA	C2D-C1D-ND	-2.73	108.09	110.10
13	q	517	CLA	CMB-C2B-C3B	2.73	129.79	124.68
16	c	522	BCR	C15-C16-C17	-2.73	117.88	123.47
16	5	523	BCR	C7-C8-C9	-2.73	122.11	126.23
13	Y	518	CLA	CHB-C4A-NA	2.73	128.29	124.51
16	K	4104	BCR	C3-C4-C5	-2.73	109.20	114.08
13	f	1232	CLA	C1B-CHB-C4A	-2.73	124.71	130.12
13	Y	503	CLA	CHB-C4A-NA	2.73	128.29	124.51
16	K	4104	BCR	C15-C16-C17	-2.73	117.88	123.47
13	1	504	CLA	O2D-CGD-O1D	-2.73	118.50	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	Z	822	SQD	O8-S-C6	2.73	110.09	105.74
13	m	1105	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
13	l	511	CLA	CHB-C4A-NA	2.73	128.29	124.51
13	b	519	CLA	CMB-C2B-C3B	2.73	129.79	124.68
13	A	1138	CLA	CHB-C4A-NA	2.73	128.29	124.51
13	n	1503	CLA	CHB-C4A-NA	2.73	128.29	124.51
13	u	511	CLA	CHB-C4A-NA	2.73	128.29	124.51
13	F	1301	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
13	K	1401	CLA	CMB-C2B-C3B	2.73	129.78	124.68
13	H	1222	CLA	O2D-CGD-CBD	2.73	116.12	111.27
17	G	5005	LHG	C11-C10-C9	-2.73	100.57	114.42
16	H	4004	BCR	C28-C27-C26	-2.73	109.20	114.08
16	A	4011	BCR	C16-C17-C18	-2.73	123.42	127.31
13	f	1222	CLA	O2D-CGD-CBD	2.73	116.12	111.27
13	A	1129	CLA	C1B-CHB-C4A	-2.73	124.71	130.12
16	4	523	BCR	C11-C10-C9	-2.73	123.42	127.31
20	a	822	SQD	C44-O6-C1	2.73	119.07	113.74
13	t	513	CLA	CHB-C4A-NA	2.73	128.28	124.51
13	q	510	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
13	H	1232	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
13	G	1124	CLA	C2D-C1D-ND	-2.73	108.09	110.10
13	2	518	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
13	5	518	CLA	CHB-C4A-NA	2.73	128.28	124.51
13	a	503	CLA	CHB-C4A-NA	2.73	128.28	124.51
13	A	1112	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
16	A	4007	BCR	C15-C16-C17	-2.73	117.89	123.47
16	5	522	BCR	C15-C16-C17	-2.73	117.89	123.47
13	Z	518	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
13	Y	507	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
16	Z	524	BCR	C11-C10-C9	-2.73	123.42	127.31
13	G	1112	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
13	r	516	CLA	O2D-CGD-CBD	2.73	116.11	111.27
13	Y	504	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
16	r	524	BCR	C11-C10-C9	-2.72	123.42	127.31
13	A	1116	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	B	1217	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	e	1127	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	e	1127	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
20	r	822	SQD	C4-C3-C2	2.72	115.58	110.82
13	4	504	CLA	CHB-C4A-NA	2.72	128.28	124.51
16	L	4020	BCR	C3-C4-C5	-2.72	109.21	114.08
13	4	504	CLA	O2D-CGD-O1D	-2.72	118.51	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1129	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
13	q	507	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
16	V	4020	BCR	C3-C4-C5	-2.72	109.21	114.08
13	f	1225	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
13	4	507	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	c	511	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	e	1138	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	1	507	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
13	U	1401	CLA	CMB-C2B-C3B	2.72	129.77	124.68
13	K	1105	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	5	518	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	c	518	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	5	510	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	Z	516	CLA	O2D-CGD-CBD	2.72	116.10	111.27
13	A	1118	CLA	CHB-C4A-NA	2.72	128.28	124.51
13	A	1127	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
13	e	1125	CLA	CHB-C4A-NA	2.72	128.27	124.51
13	c	516	CLA	CMB-C2B-C3B	2.72	129.77	124.68
16	5	524	BCR	C8-C7-C6	-2.72	119.56	127.20
13	q	504	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	3	503	CLA	CHB-C4A-NA	2.72	128.27	124.51
20	1	822	SQD	O8-S-C6	2.72	110.07	105.74
16	3	522	BCR	C11-C12-C13	-2.72	118.78	126.42
16	s	522	BCR	C11-C12-C13	-2.72	118.78	126.42
13	a	502	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	G	1104	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	Y	516	CLA	CMB-C2B-C3B	2.72	129.76	124.68
13	3	517	CLA	CHB-C4A-NA	2.72	128.27	124.51
13	q	511	CLA	CHB-C4A-NA	2.72	128.27	124.51
16	2	524	BCR	C11-C10-C9	-2.72	123.43	127.31
13	B	1225	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
13	1	517	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
13	r	505	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
13	f	1220	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
16	5	522	BCR	C16-C17-C18	-2.72	123.43	127.31
13	c	518	CLA	CHB-C4A-NA	2.72	128.27	124.51
20	Y	822	SQD	O8-S-C6	2.72	110.07	105.74
13	u	518	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
13	b	506	CLA	CHB-C4A-NA	2.72	128.27	124.51
16	H	4010	BCR	C33-C5-C6	-2.72	121.48	124.53
13	B	1220	CLA	C1B-CHB-C4A	-2.72	124.74	130.12
16	A	4007	BCR	C38-C26-C27	2.72	118.83	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	1	516	CLA	CMB-C2B-C3B	2.72	129.76	124.68
13	3	518	CLA	CMB-C2B-C3B	2.72	129.76	124.68
13	U	1103	CLA	CMB-C2B-C3B	2.72	129.76	124.68
20	V	5216	SQD	O6-C1-C2	2.72	112.54	108.30
13	3	502	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
13	6	509	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
13	s	502	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
13	d	506	CLA	CHB-C4A-NA	2.71	128.27	124.51
13	4	513	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
16	B	4010	BCR	C33-C5-C6	-2.71	121.48	124.53
13	4	519	CLA	CMB-C2B-C3B	2.71	129.76	124.68
13	r	503	CLA	CHB-C4A-NA	2.71	128.26	124.51
13	s	517	CLA	CHB-C4A-NA	2.71	128.26	124.51
16	e	4007	BCR	C38-C26-C27	2.71	118.83	113.62
13	t	504	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
13	G	1127	CLA	C1B-CHB-C4A	-2.71	124.74	130.12
16	f	4010	BCR	C33-C5-C6	-2.71	121.48	124.53
13	H	1021	CLA	CMB-C2B-C1B	-2.71	124.30	128.46
13	t	513	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
13	t	519	CLA	CMB-C2B-C3B	2.71	129.75	124.68
13	B	1230	CLA	O2D-CGD-CBD	2.71	116.09	111.27
13	6	512	CLA	CMB-C2B-C3B	2.71	129.75	124.68
16	u	524	BCR	C8-C7-C6	-2.71	119.59	127.20
13	s	518	CLA	CMB-C2B-C3B	2.71	129.75	124.68
13	2	516	CLA	O2D-CGD-CBD	2.71	116.08	111.27
13	n	1502	CLA	O2D-CGD-CBD	2.71	116.08	111.27
20	n	5216	SQD	O6-C1-C2	2.71	112.53	108.30
13	6	506	CLA	CHB-C4A-NA	2.71	128.26	124.51
13	1	510	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
13	e	1104	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
13	H	1230	CLA	O2D-CGD-CBD	2.71	116.08	111.27
17	n	5218	LHG	O8-C23-C24	2.71	120.41	111.91
16	A	4001	BCR	C35-C13-C12	2.71	122.35	118.08
13	q	517	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
20	q	822	SQD	O8-S-C6	2.71	110.06	105.74
17	V	5218	LHG	O8-C23-C24	2.71	120.41	111.91
16	l	4015	BCR	C2-C1-C6	2.71	114.65	110.48
13	Y	517	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
13	A	1111	CLA	CHB-C4A-NA	2.71	128.26	124.51
13	a	516	CLA	CAC-C3C-C2C	-2.71	122.90	127.53
13	K	1103	CLA	CMB-C2B-C3B	2.71	129.74	124.68
13	f	1223	CLA	CHB-C4A-NA	2.71	128.25	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	R	1301	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
16	b	523	BCR	C11-C10-C9	-2.71	123.45	127.31
13	A	1127	CLA	CHB-C4A-NA	2.71	128.25	124.51
13	G	1138	CLA	CHB-C4A-NA	2.71	128.25	124.51
16	G	4007	BCR	C15-C16-C17	-2.71	117.93	123.47
13	2	503	CLA	CHB-C4A-NA	2.71	128.25	124.51
13	d	509	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
16	e	4001	BCR	C35-C13-C12	2.71	122.34	118.08
13	B	1232	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	Z	510	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	a	517	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	b	519	CLA	CHB-C4A-NA	2.70	128.25	124.51
17	L	5218	LHG	O8-C23-C24	2.70	120.39	111.91
20	L	5216	SQD	O6-C1-C2	2.70	112.53	108.30
13	H	1225	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
16	a	522	BCR	C11-C12-C13	-2.70	118.82	126.42
13	5	511	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	r	510	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	v	506	CLA	CHB-C4A-NA	2.70	128.25	124.51
16	G	4007	BCR	C38-C26-C27	2.70	118.81	113.62
13	Y	510	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
13	f	1234	CLA	CBC-CAC-C3C	2.70	119.88	112.43
13	d	512	CLA	CMB-C2B-C3B	2.70	129.74	124.68
13	r	508	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
13	b	504	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	e	1118	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	Y	511	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
13	B	1234	CLA	CBC-CAC-C3C	2.70	119.88	112.43
13	q	516	CLA	CAC-C3C-C2C	-2.70	122.91	127.53
13	H	1220	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
20	s	822	SQD	O5-C5-C4	2.70	114.60	109.69
13	c	506	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
13	c	510	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	3	516	CLA	CAC-C3C-C2C	-2.70	122.91	127.53
13	A	1104	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
13	r	516	CLA	CMB-C2B-C3B	2.70	129.73	124.68
13	A	1125	CLA	CHB-C4A-NA	2.70	128.25	124.51
13	b	507	CLA	CHB-C4A-NA	2.70	128.25	124.51
16	H	4010	BCR	C38-C26-C25	-2.70	121.50	124.53
13	f	1220	CLA	CMB-C2B-C3B	2.70	129.73	124.68
20	3	822	SQD	O5-C5-C4	2.70	114.60	109.69
13	4	519	CLA	CHB-C4A-NA	2.70	128.25	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	a	518	CLA	CMB-C2B-C3B	2.70	129.73	124.68
13	e	1136	CLA	O2A-CGA-O1A	-2.70	116.78	123.59
20	a	822	SQD	O5-C5-C4	2.70	114.59	109.69
13	G	1129	CLA	C1B-CHB-C4A	-2.70	124.77	130.12
13	G	1125	CLA	CHB-C4A-NA	2.70	128.24	124.51
13	v	511	CLA	CHB-C4A-NA	2.70	128.24	124.51
13	2	505	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
13	q	511	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
13	V	1502	CLA	O2D-CGD-CBD	2.70	116.06	111.27
13	B	1210	CLA	CHB-C4A-NA	2.70	128.24	124.51
13	v	512	CLA	CMB-C2B-C3B	2.70	129.72	124.68
13	v	509	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
13	b	504	CLA	O2D-CGD-O1D	-2.70	118.57	123.84
13	U	1105	CLA	O2D-CGD-O1D	-2.70	118.57	123.84
13	G	1127	CLA	CHB-C4A-NA	2.70	128.24	124.51
13	5	516	CLA	CMB-C2B-C3B	2.70	129.72	124.68
13	s	504	CLA	CHB-C4A-NA	2.70	128.24	124.51
13	A	1136	CLA	O2A-CGA-O1A	-2.69	116.79	123.59
13	2	504	CLA	CHB-C4A-NA	2.69	128.24	124.51
13	f	1232	CLA	CHB-C4A-NA	2.69	128.24	124.51
13	v	519	CLA	CHB-C4A-NA	2.69	128.24	124.51
13	H	1210	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
13	Z	505	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
13	b	513	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
20	s	822	SQD	O6-C1-C2	2.69	112.51	108.30
16	J	4015	BCR	C2-C1-C6	2.69	114.63	110.48
13	b	505	CLA	CHB-C4A-NA	2.69	128.24	124.51
13	H	1234	CLA	CBC-CAC-C3C	2.69	119.86	112.43
13	H	1210	CLA	CHB-C4A-NA	2.69	128.24	124.51
13	L	1502	CLA	O2D-CGD-CBD	2.69	116.05	111.27
13	m	1103	CLA	CMB-C2B-C3B	2.69	129.71	124.68
13	G	1113	CLA	CHB-C4A-NA	2.69	128.23	124.51
16	T	4012	BCR	C33-C5-C6	-2.69	121.51	124.53
13	e	1111	CLA	CHB-C4A-NA	2.69	128.23	124.51
13	A	1124	CLA	C2D-C1D-ND	-2.69	108.12	110.10
16	t	523	BCR	C11-C10-C9	-2.69	123.47	127.31
13	3	516	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
13	Z	503	CLA	CHB-C4A-NA	2.69	128.23	124.51
13	1	516	CLA	CAC-C3C-C2C	-2.69	122.93	127.53
13	e	1106	CLA	O2D-CGD-CBD	2.69	116.05	111.27
13	m	1401	CLA	O2D-CGD-CBD	2.69	116.05	111.27
13	2	502	CLA	CHB-C4A-NA	2.69	128.23	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Z	504	CLA	CHB-C4A-NA	2.69	128.23	124.51
13	q	516	CLA	CMB-C2B-C3B	2.69	129.71	124.68
13	G	1136	CLA	O2A-CGA-O1A	-2.69	116.81	123.59
13	5	506	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
13	q	518	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
13	s	516	CLA	CAC-C3C-C2C	-2.69	122.93	127.53
13	d	519	CLA	CHB-C4A-NA	2.69	128.23	124.51
13	A	1106	CLA	O2D-CGD-CBD	2.69	116.04	111.27
18	1	902	LMU	O5'-C5'-C4'	2.69	114.57	109.69
13	u	513	CLA	CHB-C4A-NA	2.69	128.23	124.51
20	3	822	SQD	O6-C1-C2	2.69	112.50	108.30
18	Y	902	LMU	O5'-C5'-C4'	2.69	114.57	109.69
18	G	1848	LMU	C1B-O1B-C4'	-2.69	111.32	117.96
16	J	4012	BCR	C33-C5-C6	-2.68	121.51	124.53
13	2	516	CLA	CMB-C2B-C3B	2.68	129.70	124.68
13	6	519	CLA	CHB-C4A-NA	2.68	128.22	124.51
16	l	4012	BCR	C33-C5-C6	-2.68	121.51	124.53
18	e	1848	LMU	C1B-O1B-C4'	-2.68	111.32	117.96
13	r	510	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
13	Y	516	CLA	CAC-C3C-C2C	-2.68	122.94	127.53
16	G	4001	BCR	C35-C13-C12	2.68	122.30	118.08
13	f	1210	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	t	519	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	1	511	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
13	1	518	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
13	s	516	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
13	2	510	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	6	511	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	d	518	CLA	CHB-C4A-NA	2.68	128.22	124.51
18	A	1848	LMU	C1B-O1B-C4'	-2.68	111.33	117.96
13	2	510	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
13	f	1236	CLA	CMB-C2B-C3B	2.68	129.69	124.68
13	G	1013	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	Y	518	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
13	Z	516	CLA	CMB-C2B-C3B	2.68	129.69	124.68
13	3	504	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	G	1118	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	a	504	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	G	1106	CLA	O2D-CGD-CBD	2.68	116.03	111.27
13	U	1401	CLA	O2D-CGD-CBD	2.68	116.03	111.27
16	q	523	BCR	C10-C11-C12	-2.68	114.86	123.22
13	u	506	CLA	O2D-CGD-O1D	-2.68	118.60	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	u	516	CLA	CMB-C2B-C3B	2.68	129.69	124.68
13	H	1232	CLA	CHB-C4A-NA	2.68	128.22	124.51
13	5	502	CLA	CMB-C2B-C1B	-2.68	124.35	128.46
20	a	822	SQD	O6-C1-C2	2.68	112.48	108.30
13	c	502	CLA	CMB-C2B-C1B	-2.68	124.35	128.46
13	u	502	CLA	CMB-C2B-C1B	-2.68	124.35	128.46
18	q	902	LMU	O5'-C5'-C4'	2.68	114.56	109.69
13	q	504	CLA	CMB-C2B-C3B	2.68	129.69	124.68
13	Y	501	CLA	CHB-C4A-NA	2.68	128.21	124.51
13	a	516	CLA	O2D-CGD-O1D	-2.68	118.61	123.84
16	f	4010	BCR	C38-C26-C25	-2.67	121.53	124.53
16	f	4017	BCR	C33-C5-C6	-2.67	121.53	124.53
13	H	1228	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
13	6	504	CLA	CHB-C4A-NA	2.67	128.21	124.51
13	e	1013	CLA	CHB-C4A-NA	2.67	128.21	124.51
13	1	506	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
13	B	1236	CLA	CMB-C2B-C3B	2.67	129.68	124.68
16	q	523	BCR	C24-C23-C22	-2.67	122.20	126.23
13	2	508	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
13	d	511	CLA	CHB-C4A-NA	2.67	128.21	124.51
13	B	1203	CLA	CHB-C4A-NA	2.67	128.21	124.51
13	A	1022	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
16	H	4017	BCR	C20-C21-C22	-2.67	123.50	127.31
13	B	1220	CLA	CMB-C2B-C3B	2.67	129.68	124.68
13	A	1113	CLA	CHB-C4A-NA	2.67	128.21	124.51
13	e	1116	CLA	CHB-C4A-NA	2.67	128.21	124.51
13	H	1220	CLA	CMB-C2B-C3B	2.67	129.67	124.68
13	H	1236	CLA	CMB-C2B-C3B	2.67	129.67	124.68
13	A	1013	CLA	CHB-C4A-NA	2.67	128.20	124.51
16	Y	523	BCR	C10-C11-C12	-2.67	114.89	123.22
13	B	1210	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
13	r	504	CLA	CHB-C4A-NA	2.67	128.20	124.51
16	B	4005	BCR	C28-C27-C26	-2.67	109.31	114.08
13	G	1022	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
13	5	513	CLA	CHB-C4A-NA	2.67	128.20	124.51
13	n	1503	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
16	1	523	BCR	C10-C11-C12	-2.67	114.89	123.22
18	e	1848	LMU	C2'-C3'-C4'	2.67	115.77	109.68
13	K	1401	CLA	O2D-CGD-CBD	2.67	116.01	111.27
16	T	4015	BCR	C2-C1-C6	2.67	114.59	110.48
13	H	1223	CLA	CHB-C4A-NA	2.67	128.20	124.51
13	f	1203	CLA	CHB-C4A-NA	2.67	128.20	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	s	521	BCR	C33-C5-C6	-2.67	121.53	124.53
18	A	1848	LMU	C2'-C3'-C4'	2.67	115.77	109.68
13	l	501	CLA	CHB-C4A-NA	2.67	128.20	124.51
13	d	504	CLA	O2D-CGD-O1D	-2.67	118.63	123.84
13	B	1223	CLA	CHB-C4A-NA	2.67	128.20	124.51
13	4	505	CLA	CHB-C4A-NA	2.67	128.20	124.51
13	e	1132	CLA	CAC-C3C-C4C	2.67	128.27	124.81
17	A	5001	LHG	C20-C19-C18	-2.66	100.90	114.42
13	Y	504	CLA	CMB-C2B-C3B	2.66	129.66	124.68
13	B	1228	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
13	U	1105	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
13	f	1228	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
13	q	513	CLA	CHB-C4A-NA	2.66	128.20	124.51
13	v	504	CLA	CHB-C4A-NA	2.66	128.20	124.51
13	r	517	CLA	O2D-CGD-O1D	-2.66	118.63	123.84
13	G	1132	CLA	CAC-C3C-C4C	2.66	128.27	124.81
17	e	5001	LHG	C20-C19-C18	-2.66	100.90	114.42
16	f	4005	BCR	C28-C27-C26	-2.66	109.32	114.08
13	q	501	CLA	CHB-C4A-NA	2.66	128.19	124.51
13	H	1207	CLA	CMB-C2B-C3B	2.66	129.66	124.68
13	6	504	CLA	O2D-CGD-O1D	-2.66	118.63	123.84
16	c	524	BCR	C11-C10-C9	-2.66	123.51	127.31
13	Y	506	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
13	A	1106	CLA	CHB-C4A-NA	2.66	128.19	124.51
13	Z	510	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
16	s	522	BCR	C15-C16-C17	-2.66	118.02	123.47
17	G	5001	LHG	C20-C19-C18	-2.66	100.92	114.42
16	5	523	BCR	C33-C5-C6	-2.66	121.54	124.53
16	3	522	BCR	C15-C16-C17	-2.66	118.02	123.47
16	f	4017	BCR	C20-C21-C22	-2.66	123.51	127.31
13	Z	508	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
16	B	4017	BCR	C20-C21-C22	-2.66	123.51	127.31
13	c	513	CLA	CHB-C4A-NA	2.66	128.19	124.51
13	d	504	CLA	CHB-C4A-NA	2.66	128.19	124.51
16	f	4006	BCR	C31-C1-C6	-2.66	105.98	110.30
13	l	504	CLA	CMB-C2B-C3B	2.66	129.65	124.68
16	B	4010	BCR	C38-C26-C25	-2.66	121.54	124.53
16	B	4006	BCR	C31-C1-C6	-2.66	105.99	110.30
13	5	504	CLA	CHB-C4A-NA	2.66	128.19	124.51
16	B	4017	BCR	C33-C5-C6	-2.66	121.54	124.53
13	f	1209	CLA	CMB-C2B-C3B	2.66	129.65	124.68
13	l	516	CLA	O2D-CGD-O1D	-2.66	118.64	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1135	CLA	CHB-C4A-NA	2.66	128.19	124.51
13	u	504	CLA	CHB-C4A-NA	2.66	128.19	124.51
13	Y	516	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
13	H	1203	CLA	CHB-C4A-NA	2.66	128.19	124.51
16	H	4005	BCR	C28-C27-C26	-2.66	109.33	114.08
13	L	1503	CLA	C1B-CHB-C4A	-2.66	124.86	130.12
16	l	523	BCR	C24-C23-C22	-2.66	122.22	126.23
16	c	522	BCR	C1-C6-C5	-2.66	118.87	122.61
13	V	1503	CLA	C1B-CHB-C4A	-2.66	124.86	130.12
13	a	501	CLA	O2D-CGD-O1D	-2.66	118.65	123.84
16	H	4006	BCR	C31-C1-C6	-2.65	105.99	110.30
13	v	504	CLA	O2D-CGD-O1D	-2.65	118.65	123.84
13	e	1113	CLA	CHB-C4A-NA	2.65	128.18	124.51
13	e	1801	CLA	CHD-C1D-ND	-2.65	122.02	124.45
16	H	4017	BCR	C33-C5-C6	-2.65	121.55	124.53
13	Z	502	CLA	CHB-C4A-NA	2.65	128.18	124.51
18	G	1848	LMU	C2'-C3'-C4'	2.65	115.73	109.68
13	3	501	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
13	c	504	CLA	CHB-C4A-NA	2.65	128.18	124.51
13	v	517	CLA	CHB-C4A-NA	2.65	128.18	124.51
13	e	1022	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
13	A	1132	CLA	CAC-C3C-C4C	2.65	128.25	124.81
13	2	517	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
13	B	1224	CLA	CHB-C4A-NA	2.65	128.17	124.51
13	5	502	CLA	CHB-C4A-NA	2.65	128.17	124.51
13	K	1105	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
13	s	501	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
13	u	502	CLA	CHB-C4A-NA	2.65	128.17	124.51
13	Z	517	CLA	O2D-CGD-O1D	-2.65	118.67	123.84
13	a	507	CLA	O2D-CGD-O1D	-2.65	118.67	123.84
13	f	1210	CLA	O2D-CGD-O1D	-2.65	118.67	123.84
16	a	522	BCR	C15-C16-C17	-2.65	118.06	123.47
16	H	4004	BCR	C20-C19-C18	-2.64	118.99	126.42
16	l	524	BCR	C15-C16-C17	-2.64	118.06	123.47
13	e	1106	CLA	CHB-C4A-NA	2.64	128.17	124.51
13	s	507	CLA	O2D-CGD-O1D	-2.64	118.67	123.84
13	1	513	CLA	CHB-C4A-NA	2.64	128.17	124.51
16	3	521	BCR	C33-C5-C6	-2.64	121.56	124.53
13	e	1135	CLA	CHB-C4A-NA	2.64	128.17	124.51
13	t	505	CLA	CHB-C4A-NA	2.64	128.17	124.51
13	f	1215	CLA	CHB-C4A-NA	2.64	128.16	124.51
13	6	517	CLA	CHB-C4A-NA	2.64	128.16	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	v	518	CLA	CHB-C4A-NA	2.64	128.16	124.51
13	B	1207	CLA	CMB-C2B-C3B	2.64	129.62	124.68
13	m	1105	CLA	C1B-CHB-C4A	-2.64	124.89	130.12
16	Y	524	BCR	C15-C16-C17	-2.64	118.06	123.47
13	H	1224	CLA	CHB-C4A-NA	2.64	128.16	124.51
13	e	1121	CLA	CMB-C2B-C3B	2.64	129.62	124.68
13	G	1106	CLA	CHB-C4A-NA	2.64	128.16	124.51
13	3	507	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
13	H	1209	CLA	CMB-C2B-C3B	2.64	129.61	124.68
16	v	523	BCR	C10-C11-C12	-2.64	114.98	123.22
13	e	1126	CLA	CHB-C4A-NA	2.64	128.16	124.51
13	f	1207	CLA	CMB-C2B-C3B	2.64	129.61	124.68
13	q	506	CLA	C1B-CHB-C4A	-2.64	124.89	130.12
17	G	5004	LHG	O8-C23-C24	2.64	120.18	111.91
17	A	5008	LHG	C11-C10-C9	-2.64	101.04	114.42
16	q	524	BCR	C1-C6-C5	-2.64	118.90	122.61
13	G	1121	CLA	CMB-C2B-C3B	2.64	129.61	124.68
13	B	1213	CLA	C1-C2-C3	-2.64	121.48	126.04
13	r	502	CLA	CHB-C4A-NA	2.64	128.16	124.51
13	e	1011	CLA	C1B-CHB-C4A	-2.64	124.90	130.12
13	B	1215	CLA	CHB-C4A-NA	2.63	128.16	124.51
13	f	1224	CLA	CHB-C4A-NA	2.63	128.16	124.51
16	c	523	BCR	C33-C5-C6	-2.63	121.57	124.53
13	H	1239	CLA	CHB-C4A-NA	2.63	128.15	124.51
13	f	1213	CLA	C1-C2-C3	-2.63	121.49	126.04
13	G	1132	CLA	C1B-CHB-C4A	-2.63	124.90	130.12
13	u	513	CLA	C1B-CHB-C4A	-2.63	124.90	130.12
13	q	516	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
13	G	1130	CLA	CHB-C4A-NA	2.63	128.15	124.51
13	G	1013	CLA	CAA-CBA-CGA	-2.63	105.56	113.25
13	A	1132	CLA	C1B-CHB-C4A	-2.63	124.90	130.12
13	H	1213	CLA	C1-C2-C3	-2.63	121.49	126.04
16	u	523	BCR	C33-C5-C6	-2.63	121.57	124.53
17	e	5008	LHG	C11-C10-C9	-2.63	101.06	114.42
13	e	1013	CLA	CAA-CBA-CGA	-2.63	105.56	113.25
16	k	4018	BCR	C4-C5-C6	-2.63	118.91	122.73
16	f	4004	BCR	C20-C19-C18	-2.63	119.03	126.42
13	a	502	CLA	CMB-C2B-C3B	2.63	129.60	124.68
17	G	5008	LHG	C11-C10-C9	-2.63	101.07	114.42
16	I	4018	BCR	C4-C5-C6	-2.63	118.91	122.73
13	G	1801	CLA	CHD-C1D-ND	-2.63	122.04	124.45
16	q	524	BCR	C15-C16-C17	-2.63	118.09	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	6	518	CLA	CHB-C4A-NA	2.63	128.15	124.51
16	6	523	BCR	C10-C11-C12	-2.63	115.01	123.22
16	5	524	BCR	C11-C10-C9	-2.63	123.56	127.31
13	Y	513	CLA	CHB-C4A-NA	2.63	128.15	124.51
16	B	4004	BCR	C20-C19-C18	-2.63	119.03	126.42
16	d	523	BCR	C33-C5-C4	2.63	118.67	113.62
13	B	1209	CLA	CMB-C2B-C3B	2.63	129.59	124.68
16	5	522	BCR	C1-C6-C5	-2.63	118.91	122.61
16	a	521	BCR	C33-C5-C6	-2.63	121.58	124.53
13	A	1121	CLA	CMB-C2B-C3B	2.63	129.59	124.68
13	1	518	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
13	1	504	CLA	CHB-C4A-NA	2.63	128.14	124.51
13	G	1135	CLA	CHB-C4A-NA	2.63	128.14	124.51
13	m	1105	CLA	CMB-C2B-C3B	2.63	129.59	124.68
16	r	522	BCR	C21-C20-C19	-2.63	115.02	123.22
13	e	1132	CLA	C1B-CHB-C4A	-2.63	124.92	130.12
16	2	522	BCR	C21-C20-C19	-2.63	115.02	123.22
16	v	523	BCR	C20-C21-C22	-2.62	123.56	127.31
13	H	1205	CLA	C1B-CHB-C4A	-2.62	124.92	130.12
13	A	1130	CLA	CHB-C4A-NA	2.62	128.14	124.51
13	A	1126	CLA	CHB-C4A-NA	2.62	128.14	124.51
16	f	4009	BCR	C16-C17-C18	-2.62	123.57	127.31
16	u	524	BCR	C11-C10-C9	-2.62	123.57	127.31
13	A	1013	CLA	CAA-CBA-CGA	-2.62	105.59	113.25
16	d	523	BCR	C10-C11-C12	-2.62	115.03	123.22
16	Y	523	BCR	C24-C23-C22	-2.62	122.27	126.23
16	Z	522	BCR	C21-C20-C19	-2.62	115.03	123.22
13	Y	505	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
13	Y	509	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
13	r	517	CLA	CHB-C4A-NA	2.62	128.14	124.51
13	b	512	CLA	CMB-C2B-C3B	2.62	129.58	124.68
16	v	523	BCR	C33-C5-C4	2.62	118.65	113.62
16	l	522	BCR	C23-C24-C25	-2.62	119.84	127.20
13	s	516	CLA	CHB-C4A-NA	2.62	128.14	124.51
13	B	1205	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
17	A	5004	LHG	O8-C23-C24	2.62	120.13	111.91
13	d	517	CLA	CHB-C4A-NA	2.62	128.14	124.51
13	G	1126	CLA	CHB-C4A-NA	2.62	128.13	124.51
13	Y	513	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
13	e	1132	CLA	CHD-C1D-ND	-2.62	122.05	124.45
13	q	518	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
13	A	1011	CLA	C1B-CHB-C4A	-2.62	124.93	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	1	505	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
17	e	5004	LHG	O8-C23-C24	2.62	120.12	111.91
13	H	1215	CLA	CHB-C4A-NA	2.62	128.13	124.51
13	Y	504	CLA	CHB-C4A-NA	2.62	128.13	124.51
16	Y	522	BCR	C23-C24-C25	-2.62	119.85	127.20
13	G	1011	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
16	6	523	BCR	C33-C5-C4	2.62	118.64	113.62
13	c	502	CLA	CHB-C4A-NA	2.62	128.13	124.51
13	r	508	CLA	CHB-C4A-NA	2.62	128.13	124.51
13	A	1801	CLA	CHD-C1D-ND	-2.62	122.05	124.45
13	a	516	CLA	CHB-C4A-NA	2.62	128.13	124.51
13	c	513	CLA	C1B-CHB-C4A	-2.62	124.94	130.12
13	3	516	CLA	CHB-C4A-NA	2.61	128.13	124.51
13	t	516	CLA	CHB-C4A-NA	2.61	128.13	124.51
13	A	1129	CLA	CHB-C4A-NA	2.61	128.13	124.51
20	v	822	SQD	C1-O5-C5	2.61	118.82	113.69
13	q	504	CLA	CHB-C4A-NA	2.61	128.13	124.51
13	r	509	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
13	5	513	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
13	A	1138	CLA	C1-C2-C3	-2.61	121.52	126.04
13	B	1239	CLA	CHB-C4A-NA	2.61	128.12	124.51
13	l	517	CLA	CHB-C4A-NA	2.61	128.12	124.51
13	m	1103	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
13	G	1138	CLA	C1-C2-C3	-2.61	121.53	126.04
13	s	502	CLA	CMB-C2B-C3B	2.61	129.56	124.68
16	Y	524	BCR	C1-C6-C5	-2.61	118.94	122.61
13	A	1132	CLA	CHD-C1D-ND	-2.61	122.06	124.45
13	G	1101	CLA	CHB-C4A-NA	2.61	128.12	124.51
13	e	1134	CLA	CMB-C2B-C3B	2.61	129.56	124.68
13	d	516	CLA	CHB-C4A-NA	2.61	128.12	124.51
16	q	522	BCR	C23-C24-C25	-2.61	119.88	127.20
16	u	522	BCR	C1-C6-C5	-2.61	118.94	122.61
13	V	1502	CLA	CHD-C1D-ND	-2.61	122.06	124.45
16	d	522	BCR	C38-C26-C27	2.61	118.63	113.62
20	Z	822	SQD	O5-C5-C4	2.61	114.43	109.69
13	U	1103	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
13	G	1013	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
13	d	502	CLA	CMB-C2B-C3B	2.61	129.56	124.68
20	d	822	SQD	C1-O5-C5	2.61	118.81	113.69
13	A	1013	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
13	f	1205	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
13	K	1105	CLA	CMB-C2B-C3B	2.61	129.56	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	s	508	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
13	2	517	CLA	CHB-C4A-NA	2.61	128.12	124.51
13	4	516	CLA	CHB-C4A-NA	2.61	128.12	124.51
13	Y	517	CLA	CHB-C4A-NA	2.61	128.12	124.51
16	1	524	BCR	C1-C6-C5	-2.61	118.94	122.61
13	1	513	CLA	C1B-CHB-C4A	-2.61	124.96	130.12
13	q	509	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
13	4	512	CLA	CMB-C2B-C3B	2.60	129.55	124.68
13	G	1102	CLA	CHB-C4A-NA	2.60	128.11	124.51
13	d	513	CLA	CMB-C2B-C3B	2.60	129.55	124.68
13	A	1134	CLA	CMB-C2B-C3B	2.60	129.55	124.68
13	q	505	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
13	G	1134	CLA	CMB-C2B-C3B	2.60	129.55	124.68
13	t	512	CLA	CMB-C2B-C3B	2.60	129.55	124.68
13	K	1103	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
13	e	1013	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
13	q	513	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
16	6	522	BCR	C38-C26-C27	2.60	118.61	113.62
16	4	523	BCR	C7-C8-C9	-2.60	122.30	126.23
13	c	517	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
16	S	4018	BCR	C4-C5-C6	-2.60	118.95	122.73
13	H	1213	CLA	O2D-CGD-CBD	2.60	115.89	111.27
16	b	522	BCR	C33-C5-C6	-2.60	121.61	124.53
13	1	509	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
13	B	1227	CLA	CMB-C2B-C3B	2.60	129.54	124.68
13	c	509	CLA	O2D-CGD-O1D	-2.60	118.76	123.84
16	B	4009	BCR	C16-C17-C18	-2.60	123.60	127.31
16	t	522	BCR	C33-C5-C6	-2.60	121.61	124.53
13	A	1138	CLA	O2D-CGD-O1D	-2.60	118.76	123.84
20	6	822	SQD	C1-O5-C5	2.60	118.79	113.69
16	k	4018	BCR	C33-C5-C4	2.60	118.61	113.62
16	H	4017	BCR	C8-C9-C10	-2.60	114.96	118.94
16	b	523	BCR	C7-C8-C9	-2.60	122.31	126.23
13	3	502	CLA	CMB-C2B-C3B	2.60	129.54	124.68
13	5	508	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
16	4	522	BCR	C33-C5-C6	-2.59	121.61	124.53
13	e	1109	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	q	502	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	v	516	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	v	513	CLA	CMB-C2B-C3B	2.59	129.53	124.68
13	5	517	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
13	Y	518	CLA	C1B-CHB-C4A	-2.59	124.98	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	c	508	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
13	l	506	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	G	1129	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	b	516	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	U	1105	CLA	CMB-C2B-C3B	2.59	129.53	124.68
13	f	1213	CLA	O2D-CGD-CBD	2.59	115.88	111.27
13	A	1109	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	f	1225	CLA	CHB-C4A-NA	2.59	128.10	124.51
19	f	5002	LMG	O7-C10-O9	-2.59	117.44	123.70
16	Y	524	BCR	C8-C7-C6	-2.59	119.92	127.20
13	f	1227	CLA	CMB-C2B-C3B	2.59	129.53	124.68
16	c	523	BCR	C20-C21-C22	-2.59	123.61	127.31
13	e	1102	CLA	CHB-C4A-NA	2.59	128.10	124.51
13	e	1130	CLA	CHB-C4A-NA	2.59	128.10	124.51
20	r	822	SQD	O5-C5-C4	2.59	114.40	109.69
13	d	507	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
20	2	822	SQD	O5-C5-C4	2.59	114.40	109.69
13	e	1103	CLA	CAC-C3C-C4C	2.59	128.17	124.81
16	6	523	BCR	C20-C21-C22	-2.59	123.61	127.31
13	3	509	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
16	f	4014	BCR	C34-C9-C8	2.59	122.16	118.08
20	H	1852	SQD	C26-C25-C24	-2.59	103.88	113.19
13	f	1204	CLA	O2D-CGD-CBD	2.59	115.87	111.27
20	B	1852	SQD	C26-C25-C24	-2.59	103.88	113.19
13	f	1215	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
13	G	1138	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
13	u	519	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
13	B	1213	CLA	O2D-CGD-CBD	2.59	115.87	111.27
13	A	1105	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
13	B	1206	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	Z	505	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	s	509	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
19	B	5002	LMG	O7-C10-O9	-2.59	117.44	123.70
13	2	509	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
16	B	4014	BCR	C34-C9-C8	2.59	122.16	118.08
13	H	1227	CLA	CMB-C2B-C3B	2.59	129.52	124.68
16	d	523	BCR	C20-C21-C22	-2.59	123.62	127.31
16	I	4018	BCR	C33-C5-C4	2.59	118.59	113.62
13	2	508	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	G	1109	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	Y	502	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	3	508	CLA	C1B-CHB-C4A	-2.59	124.99	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1138	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
16	B	4010	BCR	C21-C20-C19	-2.59	115.14	123.22
20	f	1852	SQD	C26-C25-C24	-2.59	103.89	113.19
16	a	524	BCR	C20-C21-C22	-2.59	123.62	127.31
16	v	522	BCR	C38-C26-C27	2.59	118.58	113.62
13	G	1105	CLA	C1B-CHB-C4A	-2.59	125.00	130.12
13	U	1401	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	Z	517	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	e	1119	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	q	517	CLA	CHB-C4A-NA	2.59	128.09	124.51
13	6	502	CLA	CMB-C2B-C3B	2.59	129.52	124.68
13	e	1138	CLA	C1-C2-C3	-2.59	121.57	126.04
13	H	1238	CLA	C1B-CHB-C4A	-2.59	125.00	130.12
13	5	519	CLA	O2D-CGD-O1D	-2.58	118.78	123.84
13	a	509	CLA	O2D-CGD-O1D	-2.58	118.78	123.84
13	B	1204	CLA	O2D-CGD-CBD	2.58	115.86	111.27
13	H	1206	CLA	CHB-C4A-NA	2.58	128.09	124.51
13	f	1239	CLA	CHB-C4A-NA	2.58	128.09	124.51
13	G	1122	CLA	CHD-C1D-ND	-2.58	122.08	124.45
13	H	1227	CLA	O2A-CGA-O1A	-2.58	117.07	123.59
16	f	4010	BCR	C21-C20-C19	-2.58	115.15	123.22
16	S	4018	BCR	C33-C5-C4	2.58	118.58	113.62
16	H	4010	BCR	C21-C20-C19	-2.58	115.16	123.22
13	e	1105	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
13	u	509	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
13	e	1138	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
16	l	524	BCR	C8-C7-C6	-2.58	119.95	127.20
13	e	1129	CLA	CHB-C4A-NA	2.58	128.08	124.51
13	f	1234	CLA	CHB-C4A-NA	2.58	128.08	124.51
13	u	508	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
13	5	509	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
13	B	1234	CLA	CHB-C4A-NA	2.58	128.08	124.51
13	B	1215	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
13	L	1502	CLA	CHD-C1D-ND	-2.58	122.08	124.45
13	6	516	CLA	CHB-C4A-NA	2.58	128.08	124.51
13	6	513	CLA	CMB-C2B-C3B	2.58	129.50	124.68
13	v	502	CLA	CMB-C2B-C3B	2.58	129.50	124.68
13	A	1138	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
13	f	1208	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
13	A	1119	CLA	CHB-C4A-NA	2.58	128.08	124.51
13	f	1206	CLA	CHB-C4A-NA	2.58	128.08	124.51
13	A	1102	CLA	CHB-C4A-NA	2.58	128.08	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1101	CLA	CHB-C4A-NA	2.58	128.08	124.51
16	H	4009	BCR	C16-C17-C18	-2.58	123.63	127.31
13	Y	506	CLA	CHB-C4A-NA	2.58	128.07	124.51
13	Z	508	CLA	CHB-C4A-NA	2.58	128.07	124.51
13	u	517	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
16	s	521	BCR	C29-C30-C25	2.58	114.45	110.48
16	3	524	BCR	C20-C21-C22	-2.58	123.63	127.31
13	6	507	CLA	C1B-CHB-C4A	-2.58	125.02	130.12
16	s	524	BCR	C20-C21-C22	-2.58	123.64	127.31
16	3	523	BCR	C33-C5-C4	2.57	118.56	113.62
13	B	1238	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
16	q	524	BCR	C8-C7-C6	-2.57	119.97	127.20
16	H	4014	BCR	C34-C9-C8	2.57	122.13	118.08
13	H	1230	CLA	CAA-C2A-C1A	-2.57	103.54	111.97
13	f	1230	CLA	CAA-C2A-C1A	-2.57	103.54	111.97
16	3	521	BCR	C29-C30-C25	2.57	114.44	110.48
13	1	502	CLA	CHB-C4A-NA	2.57	128.07	124.51
13	B	1227	CLA	O2A-CGA-O1A	-2.57	117.10	123.59
13	G	1133	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
13	q	506	CLA	CHB-C4A-NA	2.57	128.07	124.51
16	a	521	BCR	C29-C30-C25	2.57	114.44	110.48
16	a	523	BCR	C33-C5-C4	2.57	118.55	113.62
13	f	1227	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
13	v	507	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
13	A	1117	CLA	C1-C2-C3	-2.57	121.60	126.04
19	H	5002	LMG	O7-C10-O9	-2.57	117.49	123.70
16	f	4010	BCR	C10-C11-C12	-2.57	115.20	123.22
16	B	4017	BCR	C8-C9-C10	-2.57	115.00	118.94
13	f	1227	CLA	O2A-CGA-O1A	-2.57	117.11	123.59
13	G	1137	CLA	CMB-C2B-C3B	2.57	129.49	124.68
13	H	1227	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
13	u	505	CLA	CHB-C4A-NA	2.57	128.06	124.51
13	B	1227	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
16	6	523	BCR	C15-C16-C17	-2.57	118.21	123.47
16	t	523	BCR	C7-C8-C9	-2.57	122.36	126.23
13	H	1204	CLA	O2D-CGD-CBD	2.57	115.83	111.27
13	c	505	CLA	CHB-C4A-NA	2.57	128.06	124.51
13	B	1208	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
13	c	519	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
13	B	1230	CLA	CAA-C2A-C1A	-2.57	103.57	111.97
13	T	1303	CLA	O2A-CGA-O1A	-2.57	117.12	123.59
13	d	513	CLA	CHB-C4A-NA	2.57	128.06	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	1	521	BCR	C33-C5-C6	-2.57	121.65	124.53
13	G	1115	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
13	Z	509	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
16	s	523	BCR	C33-C5-C4	2.57	118.54	113.62
16	l	4015	BCR	C24-C23-C22	-2.57	122.36	126.23
13	2	505	CLA	CHB-C4A-NA	2.57	128.06	124.51
13	H	1234	CLA	CHB-C4A-NA	2.57	128.06	124.51
13	A	1103	CLA	CAC-C3C-C4C	2.56	128.14	124.81
13	u	507	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
18	H	1843	LMU	O5B-C5B-C4B	2.56	114.35	109.69
13	G	1122	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
16	G	4011	BCR	C23-C24-C25	-2.56	120.00	127.20
13	B	1225	CLA	CHB-C4A-NA	2.56	128.06	124.51
13	G	1138	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
13	H	1215	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
18	B	1843	LMU	O5B-C5B-C4B	2.56	114.35	109.69
16	L	4020	BCR	C38-C26-C25	-2.56	121.65	124.53
16	v	523	BCR	C15-C16-C17	-2.56	118.22	123.47
13	e	1122	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
16	S	4018	BCR	C38-C26-C27	2.56	118.54	113.62
16	Z	524	BCR	C33-C5-C4	2.56	118.54	113.62
13	n	1502	CLA	CHD-C1D-ND	-2.56	122.10	124.45
16	H	4010	BCR	C10-C11-C12	-2.56	115.22	123.22
16	q	521	BCR	C33-C5-C6	-2.56	121.65	124.53
13	J	1303	CLA	O2A-CGA-O1A	-2.56	117.13	123.59
20	r	822	SQD	C44-O6-C1	2.56	118.74	113.74
13	A	1133	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
16	3	523	BCR	C20-C21-C22	-2.56	123.65	127.31
16	A	4008	BCR	C38-C26-C27	2.56	118.54	113.62
13	m	1401	CLA	CHB-C4A-NA	2.56	128.05	124.51
13	4	512	CLA	CHB-C4A-NA	2.56	128.05	124.51
13	5	505	CLA	CHB-C4A-NA	2.56	128.05	124.51
13	a	508	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
16	s	523	BCR	C20-C21-C22	-2.56	123.66	127.31
13	r	505	CLA	CHB-C4A-NA	2.56	128.05	124.51
16	B	4010	BCR	C10-C11-C12	-2.56	115.23	123.22
13	a	506	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
13	v	509	CLA	CHB-C4A-NA	2.56	128.05	124.51
13	b	512	CLA	CHB-C4A-NA	2.56	128.05	124.51
16	a	523	BCR	C21-C20-C19	-2.56	115.23	123.22
20	2	822	SQD	C44-O6-C1	2.56	118.74	113.74
16	3	523	BCR	C21-C20-C19	-2.56	115.23	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1116	CLA	O2D-CGD-O1D	-2.56	118.84	123.84
16	d	522	BCR	C11-C12-C13	-2.56	119.23	126.42
16	e	4008	BCR	C38-C26-C27	2.56	118.53	113.62
13	A	1115	CLA	O2D-CGD-O1D	-2.56	118.84	123.84
13	e	1109	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
16	v	522	BCR	C11-C12-C13	-2.56	119.23	126.42
13	e	1117	CLA	C1-C2-C3	-2.56	121.62	126.04
13	5	507	CLA	C1B-CHB-C4A	-2.56	125.06	130.12
13	e	1137	CLA	C1B-CHB-C4A	-2.56	125.06	130.12
13	A	1122	CLA	C1B-CHB-C4A	-2.56	125.06	130.12
16	H	4014	BCR	C10-C11-C12	-2.56	115.24	123.22
16	s	523	BCR	C21-C20-C19	-2.56	115.24	123.22
13	K	1401	CLA	CHB-C4A-NA	2.55	128.04	124.51
13	f	1238	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
17	e	5001	LHG	C11-C10-C9	-2.55	101.46	114.42
13	A	1122	CLA	CHD-C1D-ND	-2.55	122.11	124.45
13	A	1137	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
13	G	1140	CLA	C2A-C1A-CHA	2.55	128.32	123.86
13	a	505	CLA	CHB-C4A-NA	2.55	128.04	124.51
13	3	506	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
13	G	1131	CLA	CMB-C2B-C3B	2.55	129.45	124.68
16	A	4011	BCR	C23-C24-C25	-2.55	120.04	127.20
13	c	512	CLA	CHB-C4A-NA	2.55	128.04	124.51
16	2	524	BCR	C33-C5-C4	2.55	118.52	113.62
16	5	523	BCR	C20-C21-C22	-2.55	123.67	127.31
16	B	4014	BCR	C10-C11-C12	-2.55	115.26	123.22
13	A	1140	CLA	C2A-C1A-CHA	2.55	128.32	123.86
13	H	1225	CLA	CHB-C4A-NA	2.55	128.04	124.51
13	u	512	CLA	CHB-C4A-NA	2.55	128.04	124.51
13	l	1303	CLA	O2A-CGA-O1A	-2.55	117.16	123.59
18	f	1843	LMU	O5B-C5B-C4B	2.55	114.33	109.69
16	f	4017	BCR	C8-C9-C10	-2.55	115.03	118.94
17	A	5001	LHG	C11-C10-C9	-2.55	101.48	114.42
13	A	1116	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
16	k	4018	BCR	C38-C26-C27	2.55	118.51	113.62
16	r	521	BCR	C29-C30-C25	2.55	114.41	110.48
16	d	523	BCR	C15-C16-C17	-2.55	118.25	123.47
16	K	4104	BCR	C38-C26-C27	2.55	118.51	113.62
16	u	523	BCR	C20-C21-C22	-2.55	123.67	127.31
13	G	1111	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
13	G	1130	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
16	n	4020	BCR	C38-C26-C25	-2.55	121.67	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1208	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
13	G	1119	CLA	CHB-C4A-NA	2.55	128.03	124.51
16	I	4018	BCR	C38-C26-C27	2.55	118.51	113.62
16	G	4008	BCR	C38-C26-C27	2.55	118.51	113.62
13	G	1109	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
13	e	1101	CLA	CHB-C4A-NA	2.55	128.03	124.51
13	v	508	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
20	Z	822	SQD	C44-O6-C1	2.55	118.71	113.74
16	e	4011	BCR	C23-C24-C25	-2.55	120.05	127.20
16	a	523	BCR	C20-C21-C22	-2.55	123.68	127.31
16	6	522	BCR	C11-C12-C13	-2.55	119.26	126.42
13	f	1238	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
13	v	508	CLA	CHB-C4A-NA	2.55	128.03	124.51
13	f	1230	CLA	CMB-C2B-C1B	-2.55	124.55	128.46
13	s	506	CLA	C1B-CHB-C4A	-2.55	125.08	130.12
16	U	4104	BCR	C38-C26-C27	2.54	118.50	113.62
17	G	5001	LHG	C11-C10-C9	-2.54	101.51	114.42
13	q	505	CLA	CHB-C4A-NA	2.54	128.03	124.51
13	H	1220	CLA	CAA-CBA-CGA	-2.54	105.82	113.25
13	A	1137	CLA	CMB-C2B-C3B	2.54	129.44	124.68
13	A	1109	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
13	e	1133	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
16	3	522	BCR	C16-C17-C18	-2.54	123.68	127.31
13	6	508	CLA	CHB-C4A-NA	2.54	128.03	124.51
16	s	522	BCR	C16-C17-C18	-2.54	123.68	127.31
16	u	521	BCR	C33-C5-C6	-2.54	121.67	124.53
13	G	1137	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
13	B	1240	CLA	CHB-C4A-NA	2.54	128.03	124.51
13	e	1137	CLA	CMB-C2B-C3B	2.54	129.43	124.68
13	f	1219	CLA	O2D-CGD-CBD	2.54	115.78	111.27
13	G	1237	CLA	C6-C5-C3	2.54	120.12	113.45
13	B	1219	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
16	r	524	BCR	C33-C5-C4	2.54	118.49	113.62
13	6	513	CLA	CHB-C4A-NA	2.54	128.02	124.51
13	q	510	CLA	CHB-C4A-NA	2.54	128.02	124.51
13	t	512	CLA	CHB-C4A-NA	2.54	128.02	124.51
16	V	4020	BCR	C38-C26-C25	-2.54	121.68	124.53
16	m	4104	BCR	C38-C26-C27	2.54	118.49	113.62
16	Z	521	BCR	C29-C30-C25	2.54	114.39	110.48
13	d	508	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
16	c	523	BCR	C34-C9-C8	2.54	122.08	118.08
13	e	1115	CLA	O2D-CGD-O1D	-2.54	118.88	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	f	4014	BCR	C10-C11-C12	-2.54	115.30	123.22
13	6	508	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
13	B	1220	CLA	CAA-CBA-CGA	-2.54	105.84	113.25
13	A	1106	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
13	B	1230	CLA	CMB-C2B-C1B	-2.54	124.56	128.46
13	H	1205	CLA	C1-C2-C3	-2.54	121.66	126.04
16	a	524	BCR	C11-C10-C9	-2.54	123.69	127.31
13	e	1135	CLA	O2A-CGA-O1A	-2.54	117.19	123.59
16	Y	521	BCR	C33-C5-C6	-2.54	121.68	124.53
16	L	4020	BCR	C34-C9-C8	2.54	122.07	118.08
13	e	1121	CLA	C2D-C1D-ND	-2.54	108.23	110.10
16	c	522	BCR	C33-C5-C4	2.54	118.49	113.62
13	B	1238	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
13	A	1135	CLA	O2A-CGA-O1A	-2.53	117.19	123.59
16	s	523	BCR	C28-C27-C26	-2.53	109.55	114.08
13	G	1103	CLA	CAC-C3C-C4C	2.53	128.10	124.81
16	5	522	BCR	C33-C5-C4	2.53	118.48	113.62
13	A	1131	CLA	CMB-C2B-C3B	2.53	129.42	124.68
13	H	1240	CLA	CHB-C4A-NA	2.53	128.02	124.51
13	e	1801	CLA	CHB-C4A-NA	2.53	128.02	124.51
16	V	4020	BCR	C34-C9-C8	2.53	122.07	118.08
13	G	1116	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
13	A	1130	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
16	5	521	BCR	C33-C5-C6	-2.53	121.68	124.53
13	G	1117	CLA	C1-C2-C3	-2.53	121.66	126.04
13	G	1132	CLA	CHD-C1D-ND	-2.53	122.13	124.45
13	G	1135	CLA	O2A-CGA-O1A	-2.53	117.20	123.59
13	A	1111	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
13	f	1230	CLA	CAA-C2A-C3A	-2.53	105.85	112.78
16	J	4015	BCR	C24-C23-C22	-2.53	122.41	126.23
13	A	1114	CLA	CHB-C4A-NA	2.53	128.01	124.51
13	1	510	CLA	CHB-C4A-NA	2.53	128.01	124.51
13	A	1237	CLA	C6-C5-C3	2.53	120.09	113.45
16	u	522	BCR	C33-C5-C4	2.53	118.48	113.62
16	U	4104	BCR	C24-C23-C22	-2.53	122.41	126.23
13	B	1205	CLA	C1-C2-C3	-2.53	121.67	126.04
13	H	1219	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
13	e	1130	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
13	H	1230	CLA	CAA-C2A-C3A	-2.53	105.85	112.78
16	3	524	BCR	C11-C10-C9	-2.53	123.70	127.31
13	B	1230	CLA	CAA-C2A-C3A	-2.53	105.85	112.78
13	e	1237	CLA	C6-C5-C3	2.53	120.08	113.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	2	521	BCR	C29-C30-C25	2.53	114.37	110.48
13	3	505	CLA	CHB-C4A-NA	2.53	128.01	124.51
13	v	513	CLA	CHB-C4A-NA	2.53	128.01	124.51
16	5	522	BCR	C11-C12-C13	-2.53	119.31	126.42
20	d	822	SQD	C4-C3-C2	2.53	115.24	110.82
13	e	1140	CLA	C2A-C1A-CHA	2.53	128.28	123.86
13	c	507	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
13	t	508	CLA	CHB-C4A-NA	2.53	128.01	124.51
13	f	1220	CLA	CAA-CBA-CGA	-2.53	105.87	113.25
13	H	1234	CLA	CBA-CAA-C2A	-2.53	106.40	113.86
13	f	1219	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
13	q	519	CLA	CHB-C4A-NA	2.53	128.00	124.51
16	c	522	BCR	C11-C12-C13	-2.53	119.32	126.42
16	V	4020	BCR	C11-C10-C9	-2.53	123.71	127.31
13	5	512	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	e	1114	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	f	1234	CLA	CBA-CAA-C2A	-2.52	106.41	113.86
13	2	506	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	1	505	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	f	1240	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	H	1842	LHG	O8-C23-C24	2.52	119.83	111.91
20	6	822	SQD	C4-C3-C2	2.52	115.23	110.82
13	6	508	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
16	3	523	BCR	C28-C27-C26	-2.52	109.57	114.08
17	V	5221	LHG	C20-C19-C18	-2.52	101.62	114.42
16	u	523	BCR	C34-C9-C8	2.52	122.05	118.08
13	Y	505	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	d	508	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	s	505	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	B	1219	CLA	O2D-CGD-CBD	2.52	115.75	111.27
13	2	506	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
20	v	822	SQD	C4-C3-C2	2.52	115.22	110.82
16	s	522	BCR	C38-C26-C25	-2.52	121.70	124.53
13	G	1106	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
16	L	4020	BCR	C11-C10-C9	-2.52	123.72	127.31
13	G	1114	CLA	CHB-C4A-NA	2.52	128.00	124.51
13	H	1238	CLA	O2D-CGD-O1D	-2.52	118.91	123.84
16	T	4015	BCR	C24-C23-C22	-2.52	122.43	126.23
16	m	4104	BCR	C24-C23-C22	-2.52	122.43	126.23
13	B	1234	CLA	CBA-CAA-C2A	-2.52	106.43	113.86
13	e	1106	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
13	H	1219	CLA	O2D-CGD-CBD	2.52	115.74	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	K	4104	BCR	C24-C23-C22	-2.52	122.43	126.23
13	H	1230	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
16	5	523	BCR	C34-C9-C8	2.52	122.04	118.08
16	s	524	BCR	C11-C10-C9	-2.52	123.72	127.31
13	r	506	CLA	CHB-C4A-NA	2.52	127.99	124.51
17	L	5221	LHG	C20-C19-C18	-2.52	101.65	114.42
13	6	509	CLA	CHB-C4A-NA	2.52	127.99	124.51
13	H	1201	CLA	O2D-CGD-CBD	2.52	115.74	111.27
16	a	522	BCR	C16-C17-C18	-2.52	123.72	127.31
13	2	513	CLA	C1B-CHB-C4A	-2.52	125.14	130.12
13	f	1211	CLA	C1B-CHB-C4A	-2.52	125.14	130.12
17	n	5221	LHG	C20-C19-C18	-2.52	101.66	114.42
13	4	508	CLA	CHB-C4A-NA	2.52	127.99	124.51
13	e	1131	CLA	CMB-C2B-C3B	2.51	129.38	124.68
16	u	522	BCR	C11-C12-C13	-2.51	119.35	126.42
13	G	1801	CLA	CHB-C4A-NA	2.51	127.99	124.51
13	G	1136	CLA	CMB-C2B-C3B	2.51	129.38	124.68
16	c	521	BCR	C20-C19-C18	-2.51	119.36	126.42
16	f	4010	BCR	C31-C1-C6	-2.51	106.22	110.30
16	m	4104	BCR	C28-C27-C26	-2.51	109.59	114.08
13	e	1111	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
13	A	1136	CLA	C1-C2-C3	-2.51	121.70	126.04
13	B	1206	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
13	B	1211	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
13	d	509	CLA	CHB-C4A-NA	2.51	127.99	124.51
16	c	521	BCR	C33-C5-C6	-2.51	121.71	124.53
20	l	822	SQD	C44-O6-C1	2.51	118.65	113.74
17	B	1842	LHG	O8-C23-C24	2.51	119.79	111.91
20	s	822	SQD	O48-C23-C24	2.51	119.79	111.91
16	n	4020	BCR	C34-C9-C8	2.51	122.03	118.08
13	B	1214	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
13	b	508	CLA	CHB-C4A-NA	2.51	127.98	124.51
16	u	521	BCR	C20-C19-C18	-2.51	119.36	126.42
20	3	822	SQD	O48-C23-C24	2.51	119.79	111.91
13	H	1206	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
13	f	1224	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
13	f	1205	CLA	C1-C2-C3	-2.51	121.70	126.04
13	A	1801	CLA	CHB-C4A-NA	2.51	127.98	124.51
17	f	1842	LHG	O8-C23-C24	2.51	119.78	111.91
13	H	1230	CLA	CMB-C2B-C1B	-2.51	124.61	128.46
16	a	522	BCR	C38-C26-C25	-2.51	121.71	124.53
16	m	4104	BCR	C30-C25-C24	2.51	122.87	115.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1201	CLA	O2D-CGD-CBD	2.51	115.72	111.27
13	H	1239	CLA	CAC-C3C-C4C	-2.51	121.56	124.81
13	Z	513	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
13	e	1136	CLA	CMB-C2B-C3B	2.51	129.37	124.68
16	n	4020	BCR	C11-C10-C9	-2.51	123.73	127.31
13	A	1121	CLA	C2D-C1D-ND	-2.51	108.26	110.10
13	B	1230	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
20	Y	822	SQD	C44-O6-C1	2.51	118.64	113.74
13	d	505	CLA	CHB-C4A-NA	2.51	127.98	124.51
16	H	4010	BCR	C31-C1-C6	-2.51	106.23	110.30
13	e	1122	CLA	CHD-C1D-ND	-2.50	122.15	124.45
17	n	5221	LHG	C27-C26-C25	-2.50	101.71	114.42
16	5	521	BCR	C20-C19-C18	-2.50	119.38	126.42
20	a	822	SQD	O48-C23-C24	2.50	119.77	111.91
13	f	1206	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
13	f	1201	CLA	O2D-CGD-CBD	2.50	115.72	111.27
17	L	5221	LHG	C27-C26-C25	-2.50	101.72	114.42
13	G	1121	CLA	C2D-C1D-ND	-2.50	108.26	110.10
13	Y	510	CLA	CHB-C4A-NA	2.50	127.97	124.51
16	a	523	BCR	C28-C27-C26	-2.50	109.61	114.08
13	H	1224	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
13	Z	506	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
13	Z	506	CLA	CHB-C4A-NA	2.50	127.97	124.51
16	t	522	BCR	C1-C6-C5	-2.50	119.09	122.61
16	B	4010	BCR	C31-C1-C6	-2.50	106.24	110.30
16	2	524	BCR	C8-C7-C6	-2.50	120.18	127.20
16	e	4003	BCR	C38-C26-C25	-2.50	121.72	124.53
13	r	506	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
13	r	513	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
20	q	822	SQD	C44-O6-C1	2.50	118.62	113.74
13	l	512	CLA	CHB-C4A-NA	2.50	127.97	124.51
16	K	4104	BCR	C30-C25-C24	2.50	122.85	115.78
13	H	1214	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
13	d	508	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
16	b	522	BCR	C1-C6-C5	-2.50	119.09	122.61
13	v	508	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
17	V	5221	LHG	C27-C26-C25	-2.50	101.74	114.42
13	B	1239	CLA	CAC-C3C-C4C	-2.50	121.57	124.81
13	B	1211	CLA	O2D-CGD-O1D	-2.50	118.95	123.84
13	2	519	CLA	CHB-C4A-NA	2.50	127.97	124.51
13	v	505	CLA	CHB-C4A-NA	2.50	127.97	124.51
13	2	519	CLA	C1B-CHB-C4A	-2.50	125.17	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1136	CLA	CMB-C2B-C3B	2.50	129.35	124.68
16	G	4011	BCR	C10-C11-C12	-2.50	115.42	123.22
16	A	4003	BCR	C38-C26-C25	-2.50	121.72	124.53
13	f	1214	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
16	a	522	BCR	C33-C5-C6	-2.50	121.72	124.53
13	e	1136	CLA	C1-C2-C3	-2.50	121.73	126.04
13	l	519	CLA	CHB-C4A-NA	2.50	127.96	124.51
13	t	509	CLA	O2A-CGA-O1A	-2.50	117.30	123.59
16	2	522	BCR	C3-C4-C5	-2.49	109.62	114.08
13	G	1136	CLA	C1-C2-C3	-2.49	121.73	126.04
13	4	509	CLA	O2A-CGA-O1A	-2.49	117.30	123.59
13	A	1134	CLA	CHD-C1D-ND	-2.49	122.16	124.45
13	B	1224	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
16	5	522	BCR	C23-C24-C25	-2.49	120.20	127.20
13	R	1301	CLA	CHB-C4A-NA	2.49	127.96	124.51
13	q	512	CLA	CHB-C4A-NA	2.49	127.96	124.51
16	Z	524	BCR	C8-C7-C6	-2.49	120.20	127.20
16	B	4014	BCR	C35-C13-C12	2.49	122.00	118.08
13	H	1211	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
16	u	522	BCR	C23-C24-C25	-2.49	120.20	127.20
13	Y	518	CLA	O2A-CGA-O1A	-2.49	117.30	123.59
13	f	1211	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
13	q	507	CLA	C2A-C1A-CHA	2.49	128.22	123.86
13	b	509	CLA	O2A-CGA-O1A	-2.49	117.31	123.59
16	K	4104	BCR	C28-C27-C26	-2.49	109.63	114.08
13	Y	512	CLA	CHB-C4A-NA	2.49	127.95	124.51
13	6	505	CLA	CHB-C4A-NA	2.49	127.95	124.51
16	r	524	BCR	C8-C7-C6	-2.49	120.21	127.20
16	U	4104	BCR	C30-C25-C24	2.49	122.82	115.78
16	f	4014	BCR	C35-C13-C12	2.49	122.00	118.08
13	f	1230	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
13	H	1211	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
16	Z	522	BCR	C3-C4-C5	-2.49	109.64	114.08
13	Z	519	CLA	CHB-C4A-NA	2.49	127.95	124.51
16	4	522	BCR	C1-C6-C5	-2.49	119.11	122.61
17	A	5008	LHG	O8-C23-C24	2.49	119.71	111.91
17	e	5001	LHG	O8-C23-C24	2.49	119.71	111.91
16	c	524	BCR	C33-C5-C4	2.49	118.39	113.62
17	G	5008	LHG	O8-C23-C24	2.48	119.71	111.91
13	B	1216	CLA	CMB-C2B-C3B	2.48	129.33	124.68
13	l	518	CLA	O2A-CGA-O1A	-2.48	117.32	123.59
13	e	1022	CLA	C2D-C1D-ND	-2.48	108.27	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1134	CLA	CHD-C1D-ND	-2.48	122.17	124.45
16	5	524	BCR	C33-C5-C4	2.48	118.39	113.62
16	3	522	BCR	C38-C26-C25	-2.48	121.74	124.53
13	B	1201	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
17	A	5007	LHG	O8-C23-C24	2.48	119.70	111.91
17	G	5007	LHG	O8-C23-C24	2.48	119.70	111.91
16	r	522	BCR	C11-C12-C13	-2.48	119.44	126.42
16	2	522	BCR	C11-C12-C13	-2.48	119.44	126.42
13	e	1106	CLA	C1-C2-C3	-2.48	121.75	126.04
13	r	519	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
16	A	4011	BCR	C10-C11-C12	-2.48	115.47	123.22
13	Z	519	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
16	u	524	BCR	C33-C5-C4	2.48	118.38	113.62
16	U	4104	BCR	C28-C27-C26	-2.48	109.65	114.08
17	A	5001	LHG	O8-C23-C24	2.48	119.69	111.91
17	e	5007	LHG	O8-C23-C24	2.48	119.69	111.91
20	q	822	SQD	O48-C23-C24	2.48	119.69	111.91
13	u	505	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
13	1	519	CLA	CMB-C2B-C3B	2.48	129.32	124.68
13	3	506	CLA	CHB-C4A-NA	2.48	127.94	124.51
17	G	5001	LHG	O8-C23-C24	2.48	119.69	111.91
13	f	1231	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
16	3	522	BCR	C33-C5-C6	-2.48	121.74	124.53
13	A	1022	CLA	C2D-C1D-ND	-2.48	108.28	110.10
13	G	1022	CLA	C2D-C1D-ND	-2.48	108.28	110.10
13	e	1134	CLA	CHB-C4A-NA	2.48	127.94	124.51
16	e	4011	BCR	C10-C11-C12	-2.48	115.48	123.22
16	H	4014	BCR	C35-C13-C12	2.48	121.98	118.08
13	s	506	CLA	CHB-C4A-NA	2.48	127.94	124.51
13	H	1204	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
13	f	1201	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
13	U	1105	CLA	CHB-C4A-NA	2.48	127.94	124.51
20	Y	822	SQD	O48-C23-C24	2.48	119.68	111.91
13	H	1216	CLA	CMB-C2B-C3B	2.48	129.31	124.68
13	1	507	CLA	C2A-C1A-CHA	2.48	128.19	123.86
20	6	822	SQD	O5-C5-C4	2.48	114.19	109.69
13	A	1134	CLA	CHB-C4A-NA	2.48	127.94	124.51
13	f	1212	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
16	c	524	BCR	C7-C8-C9	-2.48	122.49	126.23
20	1	822	SQD	O48-C23-C24	2.48	119.68	111.91
13	f	1239	CLA	CAC-C3C-C4C	-2.48	121.60	124.81
13	t	518	CLA	CMB-C2B-C3B	2.48	129.31	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1216	CLA	O2D-CGD-O1D	-2.48	119.00	123.84
13	f	1021	CLA	O1D-CGD-CBD	2.48	129.55	124.48
13	G	1134	CLA	CHB-C4A-NA	2.48	127.94	124.51
13	f	1216	CLA	O2D-CGD-O1D	-2.48	119.00	123.84
13	f	1216	CLA	CMB-C2B-C3B	2.47	129.31	124.68
13	H	1201	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
17	A	5003	LHG	C20-C19-C18	-2.47	101.87	114.42
16	Z	522	BCR	C11-C12-C13	-2.47	119.47	126.42
16	u	523	BCR	C8-C7-C6	-2.47	120.25	127.20
13	e	1134	CLA	CHD-C1D-ND	-2.47	122.18	124.45
17	G	5003	LHG	C20-C19-C18	-2.47	101.87	114.42
13	B	1231	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
17	e	5003	LHG	C20-C19-C18	-2.47	101.87	114.42
13	H	1021	CLA	O1D-CGD-CBD	2.47	129.54	124.48
13	r	519	CLA	CHB-C4A-NA	2.47	127.93	124.51
16	c	522	BCR	C23-C24-C25	-2.47	120.26	127.20
13	H	1212	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
13	A	1123	CLA	C2A-C1A-CHA	2.47	128.18	123.86
13	e	1134	CLA	O2D-CGD-CBD	2.47	115.66	111.27
13	a	506	CLA	CHB-C4A-NA	2.47	127.93	124.51
13	6	505	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
13	v	505	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
13	Y	507	CLA	C2A-C1A-CHA	2.47	128.18	123.86
16	s	522	BCR	C38-C26-C27	2.47	118.36	113.62
13	Y	519	CLA	CHB-C4A-NA	2.47	127.93	124.51
13	s	508	CLA	CHB-C4A-NA	2.47	127.93	124.51
13	B	1021	CLA	O1D-CGD-CBD	2.47	129.54	124.48
13	A	1106	CLA	C1-C2-C3	-2.47	121.77	126.04
13	d	505	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
13	q	505	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
16	M	4021	BCR	C33-C5-C6	-2.47	121.75	124.53
13	3	508	CLA	CHB-C4A-NA	2.47	127.93	124.51
17	e	5008	LHG	O8-C23-C24	2.47	119.66	111.91
16	a	522	BCR	C38-C26-C27	2.47	118.36	113.62
13	d	513	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
13	K	1105	CLA	CHB-C4A-NA	2.47	127.92	124.51
13	5	505	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
20	V	5216	SQD	O5-C5-C4	2.47	114.17	109.69
13	B	1204	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
16	s	522	BCR	C33-C5-C6	-2.47	121.76	124.53
13	b	518	CLA	CMB-C2B-C3B	2.47	129.29	124.68
20	d	822	SQD	O5-C5-C4	2.47	114.17	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	S	4018	BCR	C30-C25-C26	-2.47	119.14	122.61
19	f	5002	LMG	O1-C1-C2	-2.47	104.45	108.30
13	4	518	CLA	CMB-C2B-C3B	2.47	129.29	124.68
13	A	1102	CLA	O2D-CGD-CBD	2.47	115.65	111.27
17	V	5220	LHG	C11-C10-C9	-2.47	101.91	114.42
13	f	1204	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
16	3	522	BCR	C38-C26-C27	2.47	118.35	113.62
13	Y	519	CLA	CMB-C2B-C3B	2.47	129.29	124.68
16	d	524	BCR	C38-C26-C25	-2.46	121.76	124.53
13	q	518	CLA	O2A-CGA-O1A	-2.46	117.37	123.59
13	e	1123	CLA	C2A-C1A-CHA	2.46	128.17	123.86
13	d	512	CLA	CHB-C4A-NA	2.46	127.92	124.51
13	H	1231	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
13	e	1102	CLA	O2D-CGD-CBD	2.46	115.65	111.27
13	u	507	CLA	C2A-C1A-CHA	2.46	128.17	123.86
16	o	4021	BCR	C33-C5-C6	-2.46	121.76	124.53
13	A	1134	CLA	O2D-CGD-CBD	2.46	115.65	111.27
16	b	524	BCR	C3-C4-C5	-2.46	109.68	114.08
13	G	1106	CLA	C1-C2-C3	-2.46	121.78	126.04
13	l	1302	CLA	CMB-C2B-C3B	2.46	129.29	124.68
13	A	1108	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
13	B	1212	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
13	e	1108	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
17	L	5220	LHG	C11-C10-C9	-2.46	101.93	114.42
16	5	523	BCR	C8-C7-C6	-2.46	120.29	127.20
16	l	524	BCR	C21-C20-C19	-2.46	115.54	123.22
16	d	521	BCR	C20-C19-C18	-2.46	119.50	126.42
13	6	510	CLA	CHB-C4A-NA	2.46	127.92	124.51
13	r	519	CLA	CMB-C2B-C3B	2.46	129.28	124.68
13	B	1216	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
16	V	4019	BCR	C38-C26-C25	-2.46	121.77	124.53
13	c	505	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
13	v	513	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
20	L	5216	SQD	O5-C5-C4	2.46	114.16	109.69
16	c	523	BCR	C8-C7-C6	-2.46	120.29	127.20
17	n	5220	LHG	C11-C10-C9	-2.46	101.94	114.42
16	r	522	BCR	C3-C4-C5	-2.46	109.69	114.08
13	b	505	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
19	B	5002	LMG	O1-C1-C2	-2.46	104.47	108.30
19	T	5104	LMG	O1-C1-C2	-2.46	104.47	108.30
16	6	521	BCR	C20-C19-C18	-2.46	119.51	126.42
13	G	1123	CLA	C2A-C1A-CHA	2.46	128.16	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	a	508	CLA	CHB-C4A-NA	2.46	127.91	124.51
17	G	5009	LHG	C11-C10-C9	-2.46	101.95	114.42
13	F	1301	CLA	CHB-C4A-NA	2.46	127.91	124.51
13	6	513	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
13	u	519	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
16	r	523	BCR	C21-C20-C19	-2.46	115.55	123.22
13	d	510	CLA	CHB-C4A-NA	2.46	127.91	124.51
13	a	507	CLA	C1B-CHB-C4A	-2.45	125.25	130.12
16	5	521	BCR	C27-C26-C25	-2.45	119.17	122.73
13	A	1132	CLA	CHB-C4A-NA	2.45	127.91	124.51
13	G	1134	CLA	O2D-CGD-CBD	2.45	115.63	111.27
20	V	5216	SQD	C44-O6-C1	2.45	118.53	113.74
17	A	5009	LHG	C11-C10-C9	-2.45	101.97	114.42
19	H	5002	LMG	O1-C1-C2	-2.45	104.47	108.30
13	G	1102	CLA	O2D-CGD-CBD	2.45	115.63	111.27
20	n	5216	SQD	C44-O6-C1	2.45	118.53	113.74
16	q	524	BCR	C21-C20-C19	-2.45	115.56	123.22
16	G	4003	BCR	C38-C26-C25	-2.45	121.77	124.53
19	J	5104	LMG	O1-C1-C2	-2.45	104.47	108.30
17	A	5003	LHG	O8-C23-C24	2.45	119.60	111.91
16	W	4021	BCR	C33-C5-C6	-2.45	121.78	124.53
16	n	4019	BCR	C38-C26-C25	-2.45	121.78	124.53
16	I	4018	BCR	C30-C25-C26	-2.45	119.16	122.61
20	n	5216	SQD	O5-C5-C4	2.45	114.14	109.69
13	G	1108	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
18	B	1843	LMU	C1B-O1B-C4'	-2.45	111.90	117.96
13	e	1114	CLA	O2A-CGA-O1A	-2.45	117.41	123.59
13	f	1219	CLA	CMB-C2B-C3B	2.45	129.26	124.68
13	q	519	CLA	CMB-C2B-C3B	2.45	129.26	124.68
17	V	5220	LHG	O8-C23-C24	2.45	119.60	111.91
16	Z	523	BCR	C21-C20-C19	-2.45	115.57	123.22
20	v	822	SQD	O5-C5-C4	2.45	114.14	109.69
13	J	1302	CLA	CMB-C2B-C3B	2.45	129.26	124.68
13	T	1302	CLA	CMB-C2B-C3B	2.45	129.26	124.68
16	6	524	BCR	C38-C26-C25	-2.45	121.78	124.53
17	G	5003	LHG	O8-C23-C24	2.45	119.59	111.91
13	c	507	CLA	C2A-C1A-CHA	2.45	128.14	123.86
16	2	523	BCR	C21-C20-C19	-2.45	115.58	123.22
16	L	4019	BCR	C38-C26-C25	-2.45	121.78	124.53
16	Y	524	BCR	C21-C20-C19	-2.45	115.58	123.22
14	e	2001	PQN	C2M-C2-C3	-2.45	120.41	124.40
13	c	517	CLA	CHB-C4A-NA	2.45	127.90	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	2001	PQN	C2M-C2-C3	-2.45	120.41	124.40
13	d	506	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
13	d	518	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
16	5	524	BCR	C7-C8-C9	-2.45	122.54	126.23
13	5	517	CLA	CHB-C4A-NA	2.45	127.89	124.51
13	v	506	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
17	e	5003	LHG	O8-C23-C24	2.45	119.58	111.91
13	A	1114	CLA	O2A-CGA-O1A	-2.45	117.42	123.59
18	f	1843	LMU	C1B-O1B-C4'	-2.45	111.91	117.96
17	e	5009	LHG	C11-C10-C9	-2.44	102.01	114.42
13	G	1107	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
13	Y	505	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
13	4	505	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
16	t	524	BCR	C3-C4-C5	-2.44	109.71	114.08
13	f	1239	CLA	CAC-C3C-C2C	2.44	131.71	127.53
13	f	1021	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
18	H	1843	LMU	C1B-O1B-C4'	-2.44	111.92	117.96
16	r	524	BCR	C21-C20-C19	-2.44	115.59	123.22
16	v	521	BCR	C20-C19-C18	-2.44	119.55	126.42
13	Z	519	CLA	CMB-C2B-C3B	2.44	129.25	124.68
20	V	5216	SQD	O48-C23-C24	2.44	119.57	111.91
19	l	5104	LMG	O1-C1-C2	-2.44	104.49	108.30
16	c	521	BCR	C27-C26-C25	-2.44	119.19	122.73
13	f	1021	CLA	CMB-C2B-C3B	2.44	129.25	124.68
13	H	1021	CLA	CMB-C2B-C3B	2.44	129.25	124.68
20	n	5216	SQD	O48-C23-C24	2.44	119.57	111.91
16	B	4009	BCR	C10-C11-C12	-2.44	115.60	123.22
16	n	4020	BCR	C31-C1-C6	-2.44	106.34	110.30
13	v	510	CLA	CHB-C4A-NA	2.44	127.89	124.51
13	2	519	CLA	CMB-C2B-C3B	2.44	129.24	124.68
16	4	524	BCR	C3-C4-C5	-2.44	109.72	114.08
13	B	1219	CLA	CMB-C2B-C3B	2.44	129.24	124.68
16	2	524	BCR	C21-C20-C19	-2.44	115.61	123.22
13	3	507	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
16	v	524	BCR	C38-C26-C25	-2.44	121.79	124.53
16	Z	524	BCR	C21-C20-C19	-2.44	115.61	123.22
16	u	521	BCR	C27-C26-C25	-2.44	119.19	122.73
13	1	505	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
13	f	1210	CLA	C1-C2-C3	-2.44	121.83	126.04
13	e	1132	CLA	CHB-C4A-NA	2.44	127.88	124.51
13	u	517	CLA	CHB-C4A-NA	2.44	127.88	124.51
17	L	5218	LHG	C11-C10-C9	-2.44	102.06	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	Z	507	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
16	u	524	BCR	C7-C8-C9	-2.44	122.56	126.23
16	L	4020	BCR	C31-C1-C6	-2.44	106.35	110.30
17	L	5220	LHG	O8-C23-C24	2.43	119.55	111.91
16	r	524	BCR	C37-C22-C23	2.43	121.91	118.08
13	f	1202	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
13	t	505	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
13	5	507	CLA	C2A-C1A-CHA	2.43	128.12	123.86
14	G	2001	PQN	C2M-C2-C3	-2.43	120.43	124.40
13	t	516	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
13	v	518	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
13	B	1021	CLA	CMB-C2B-C3B	2.43	129.23	124.68
16	A	4003	BCR	C24-C23-C22	-2.43	122.56	126.23
17	e	5009	LHG	O8-C23-C24	2.43	119.54	111.91
13	H	1217	CLA	O2D-CGD-CBD	2.43	115.59	111.27
13	B	1217	CLA	O2D-CGD-CBD	2.43	115.59	111.27
13	K	1103	CLA	C5-C3-C4	2.43	119.97	114.60
16	k	4018	BCR	C30-C25-C26	-2.43	119.19	122.61
13	v	512	CLA	CHB-C4A-NA	2.43	127.88	124.51
17	H	1842	LHG	C11-C10-C9	-2.43	102.08	114.42
20	L	5216	SQD	C44-O6-C1	2.43	118.49	113.74
20	5	822	SQD	C4-C3-C2	2.43	115.07	110.82
13	H	1235	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
13	V	1502	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
17	n	5218	LHG	C11-C10-C9	-2.43	102.08	114.42
17	A	5009	LHG	O8-C23-C24	2.43	119.54	111.91
13	G	1114	CLA	O2A-CGA-O1A	-2.43	117.46	123.59
13	B	1239	CLA	CAC-C3C-C2C	2.43	131.69	127.53
13	U	1103	CLA	C5-C3-C4	2.43	119.97	114.60
13	6	512	CLA	CHB-C4A-NA	2.43	127.87	124.51
17	V	5218	LHG	C11-C10-C9	-2.43	102.09	114.42
17	G	5009	LHG	O8-C23-C24	2.43	119.53	111.91
13	B	1238	CLA	CHD-C1D-ND	-2.43	122.22	124.45
13	H	1239	CLA	CAC-C3C-C2C	2.43	131.69	127.53
13	H	1210	CLA	C1-C2-C3	-2.43	121.84	126.04
20	L	5216	SQD	O48-C23-C24	2.43	119.53	111.91
17	B	1842	LHG	C11-C10-C9	-2.43	102.09	114.42
13	B	1210	CLA	C1-C2-C3	-2.43	121.84	126.04
13	B	1235	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
13	4	516	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
13	r	517	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
13	m	1105	CLA	CHB-C4A-NA	2.43	127.87	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1239	CLA	CMC-C2C-C3C	2.43	132.71	126.12
17	n	5220	LHG	O8-C23-C24	2.43	119.53	111.91
17	f	1842	LHG	C11-C10-C9	-2.43	102.10	114.42
16	V	4020	BCR	C31-C1-C6	-2.43	106.36	110.30
13	5	519	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
13	G	1131	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
16	f	4009	BCR	C10-C11-C12	-2.43	115.64	123.22
13	2	507	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
13	G	1136	CLA	CHD-C1D-ND	-2.43	122.22	124.45
13	H	1219	CLA	CMB-C2B-C3B	2.42	129.22	124.68
13	f	1217	CLA	O2D-CGD-CBD	2.42	115.58	111.27
13	6	506	CLA	C1B-CHB-C4A	-2.42	125.31	130.12
16	G	4003	BCR	C24-C23-C22	-2.42	122.57	126.23
13	G	1132	CLA	CHB-C4A-NA	2.42	127.86	124.51
13	f	1236	CLA	CHB-C4A-NA	2.42	127.86	124.51
13	B	1203	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
13	2	517	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
13	G	1127	CLA	C1-C2-C3	-2.42	121.85	126.04
20	u	822	SQD	C4-C3-C2	2.42	115.05	110.82
13	6	510	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
13	6	518	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
16	n	4022	BCR	C33-C5-C4	2.42	118.27	113.62
16	H	4009	BCR	C10-C11-C12	-2.42	115.66	123.22
13	L	1502	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
16	G	4007	BCR	C29-C30-C25	2.42	114.21	110.48
17	S	5001	LHG	C11-C10-C9	-2.42	102.13	114.42
16	t	521	BCR	C33-C5-C6	-2.42	121.81	124.53
13	b	503	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
20	a	822	SQD	C4-C3-C2	2.42	115.05	110.82
13	c	519	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
13	d	510	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
17	k	5001	LHG	C11-C10-C9	-2.42	102.14	114.42
13	A	1124	CLA	CHB-C4A-NA	2.42	127.86	124.51
13	j	1301	CLA	CHB-C4A-NA	2.42	127.86	124.51
13	B	1021	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	l	1302	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	r	507	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	B	1239	CLA	CMC-C2C-C3C	2.42	132.68	126.12
13	e	1110	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
17	I	5001	LHG	C11-C10-C9	-2.42	102.15	114.42
16	4	521	BCR	C33-C5-C6	-2.42	121.81	124.53
16	b	521	BCR	C33-C5-C6	-2.42	121.81	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	m	1103	CLA	C5-C3-C4	2.42	119.94	114.60
16	e	4007	BCR	C29-C30-C25	2.42	114.20	110.48
20	s	822	SQD	C4-C3-C2	2.42	115.04	110.82
13	H	1238	CLA	CHB-C4A-NA	2.42	127.86	124.51
13	t	502	CLA	CMB-C2B-C3B	2.42	129.20	124.68
20	3	822	SQD	C4-C3-C2	2.42	115.04	110.82
13	2	505	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	e	1131	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
16	A	4007	BCR	C29-C30-C25	2.42	114.20	110.48
16	A	4007	BCR	C33-C5-C4	2.42	118.26	113.62
13	H	1021	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	Z	505	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	s	507	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
16	Z	522	BCR	C38-C26-C25	-2.42	121.81	124.53
16	e	4003	BCR	C24-C23-C22	-2.42	122.58	126.23
13	f	1235	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
13	B	1202	CLA	C1B-CHB-C4A	-2.41	125.33	130.12
13	Y	517	CLA	C1B-CHB-C4A	-2.41	125.33	130.12
13	e	1107	CLA	C1B-CHB-C4A	-2.41	125.33	130.12
13	G	1107	CLA	CHB-C4A-NA	2.41	127.85	124.51
13	f	1203	CLA	C1B-CHB-C4A	-2.41	125.33	130.12
16	e	4007	BCR	C33-C5-C4	2.41	118.25	113.62
17	e	5004	LHG	C11-C10-C9	-2.41	102.17	114.42
13	4	503	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
13	b	509	CLA	C2A-C1A-CHA	2.41	128.08	123.86
13	1	517	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
17	G	5004	LHG	C11-C10-C9	-2.41	102.17	114.42
13	Z	517	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
13	A	1107	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
13	H	1203	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
13	f	1239	CLA	CMC-C2C-C3C	2.41	132.67	126.12
17	A	5004	LHG	C11-C10-C9	-2.41	102.18	114.42
17	A	5005	LHG	O8-C23-C24	2.41	119.48	111.91
13	r	505	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
13	4	502	CLA	CMB-C2B-C3B	2.41	129.19	124.68
16	Y	522	BCR	C15-C16-C17	-2.41	118.53	123.47
16	2	522	BCR	C38-C26-C25	-2.41	121.82	124.53
13	H	1227	CLA	CHD-C1D-ND	-2.41	122.24	124.45
13	b	516	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
13	B	1023	CLA	CAC-C3C-C2C	-2.41	123.41	127.53
16	Z	524	BCR	C20-C21-C22	-2.41	123.87	127.31
13	G	1116	CLA	C1B-CHB-C4A	-2.41	125.34	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	G	5005	LHG	O8-C23-C24	2.41	119.47	111.91
16	l	522	BCR	C15-C16-C17	-2.41	118.54	123.47
16	r	522	BCR	C38-C26-C25	-2.41	121.82	124.53
13	f	1023	CLA	CAC-C3C-C2C	-2.41	123.41	127.53
13	q	517	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
20	c	822	SQD	C4-C3-C2	2.41	115.03	110.82
13	n	1502	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
13	f	1238	CLA	CHD-C1D-ND	-2.41	122.24	124.45
13	A	1136	CLA	CHD-C1D-ND	-2.41	122.24	124.45
13	G	1129	CLA	C2D-C1D-ND	-2.41	108.33	110.10
13	B	1236	CLA	CHB-C4A-NA	2.41	127.84	124.51
13	G	1124	CLA	CHB-C4A-NA	2.41	127.84	124.51
17	e	5005	LHG	O8-C23-C24	2.41	119.45	111.91
16	H	4010	BCR	C38-C26-C27	2.40	118.24	113.62
13	A	1116	CLA	C1B-CHB-C4A	-2.40	125.35	130.12
13	H	1202	CLA	C1B-CHB-C4A	-2.40	125.35	130.12
13	T	1302	CLA	C1B-CHB-C4A	-2.40	125.35	130.12
13	q	516	CLA	CHB-C4A-NA	2.40	127.84	124.51
16	G	4007	BCR	C33-C5-C4	2.40	118.23	113.62
13	v	510	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
17	A	5007	LHG	C11-C10-C9	-2.40	102.22	114.42
13	H	1236	CLA	CHB-C4A-NA	2.40	127.83	124.51
13	A	1131	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
16	r	522	BCR	C1-C6-C5	-2.40	119.23	122.61
13	A	1110	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
16	2	524	BCR	C20-C21-C22	-2.40	123.88	127.31
13	e	1127	CLA	C1-C2-C3	-2.40	121.89	126.04
17	G	5007	LHG	C11-C10-C9	-2.40	102.24	114.42
16	L	4022	BCR	C33-C5-C4	2.40	118.23	113.62
13	H	1238	CLA	CHD-C1D-ND	-2.40	122.25	124.45
13	4	509	CLA	C2A-C1A-CHA	2.40	128.06	123.86
16	e	4011	BCR	C15-C16-C17	-2.40	118.56	123.47
13	H	1023	CLA	CAC-C3C-C2C	-2.40	123.42	127.53
17	e	5007	LHG	C11-C10-C9	-2.40	102.24	114.42
13	G	1011	CLA	C4D-C3D-CAD	-2.40	105.27	108.10
13	a	519	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
16	r	522	BCR	C38-C26-C27	2.40	118.22	113.62
13	m	1105	CLA	C2D-C1D-ND	-2.40	108.34	110.10
13	e	1011	CLA	C4D-C3D-CAD	-2.40	105.27	108.10
13	b	503	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
16	B	4010	BCR	C38-C26-C27	2.40	118.22	113.62
13	t	509	CLA	C2A-C1A-CHA	2.40	128.05	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1136	CLA	CHD-C1D-ND	-2.40	122.25	124.45
13	t	503	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
16	Z	522	BCR	C38-C26-C27	2.40	118.22	113.62
13	f	1227	CLA	CHD-C1D-ND	-2.40	122.25	124.45
16	q	522	BCR	C15-C16-C17	-2.40	118.57	123.47
13	A	1127	CLA	C1-C2-C3	-2.40	121.90	126.04
13	e	1124	CLA	CHB-C4A-NA	2.40	127.82	124.51
13	B	1227	CLA	CHD-C1D-ND	-2.40	122.25	124.45
13	1	516	CLA	CHB-C4A-NA	2.39	127.82	124.51
16	2	524	BCR	C37-C22-C23	2.39	121.85	118.08
13	3	519	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
13	e	1140	CLA	CBA-CAA-C2A	2.39	120.93	113.86
16	f	4006	BCR	C3-C4-C5	-2.39	109.80	114.08
13	r	505	CLA	C1-C2-C3	-2.39	121.91	126.04
16	2	522	BCR	C38-C26-C27	2.39	118.21	113.62
13	J	1302	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
13	v	517	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
13	b	502	CLA	CMB-C2B-C3B	2.39	129.15	124.68
13	b	519	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
16	q	523	BCR	C20-C21-C22	-2.39	123.90	127.31
16	5	523	BCR	C33-C5-C4	2.39	118.21	113.62
16	4	522	BCR	C36-C18-C19	2.39	121.84	118.08
16	b	522	BCR	C36-C18-C19	2.39	121.84	118.08
16	R	4016	BCR	C33-C5-C6	-2.39	121.84	124.53
13	A	1140	CLA	CBA-CAA-C2A	2.39	120.92	113.86
16	Y	522	BCR	C16-C17-C18	-2.39	123.90	127.31
13	6	517	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
20	d	822	SQD	C45-O47-C7	2.39	122.35	117.90
13	4	519	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
13	v	519	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
13	B	1238	CLA	CHB-C4A-NA	2.39	127.81	124.51
16	v	523	BCR	C21-C20-C19	-2.39	115.77	123.22
13	d	519	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
13	e	1116	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
13	a	513	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
16	2	522	BCR	C1-C6-C5	-2.39	119.25	122.61
16	G	4007	BCR	C30-C25-C26	-2.39	119.25	122.61
16	e	4007	BCR	C30-C25-C26	-2.39	119.25	122.61
16	F	4016	BCR	C33-C5-C6	-2.38	121.85	124.53
16	6	523	BCR	C21-C20-C19	-2.38	115.78	123.22
16	B	4006	BCR	C3-C4-C5	-2.38	109.82	114.08
13	e	1107	CLA	O2A-CGA-O1A	-2.38	117.58	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	V	4022	BCR	C33-C5-C4	2.38	118.19	113.62
16	f	4009	BCR	C29-C30-C25	2.38	114.15	110.48
16	u	523	BCR	C33-C5-C4	2.38	118.19	113.62
13	e	1237	CLA	CHB-C4A-NA	2.38	127.81	124.51
16	B	4009	BCR	C29-C30-C25	2.38	114.15	110.48
16	r	524	BCR	C20-C21-C22	-2.38	123.91	127.31
16	c	523	BCR	C33-C5-C4	2.38	118.19	113.62
16	H	4006	BCR	C3-C4-C5	-2.38	109.83	114.08
13	G	1140	CLA	CBA-CAA-C2A	2.38	120.89	113.86
16	d	523	BCR	C21-C20-C19	-2.38	115.79	123.22
13	6	519	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
16	t	522	BCR	C36-C18-C19	2.38	121.83	118.08
13	s	517	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
13	u	518	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
20	6	822	SQD	C45-O47-C7	2.38	122.33	117.90
13	A	1107	CLA	CHB-C4A-NA	2.38	127.80	124.51
13	4	503	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
13	d	517	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
16	3	523	BCR	C8-C7-C6	-2.38	120.53	127.20
13	G	1110	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
13	G	1126	CLA	C2A-C1A-CHA	2.38	128.01	123.86
20	v	822	SQD	C45-O47-C7	2.38	122.32	117.90
16	f	4006	BCR	C1-C6-C5	-2.38	119.27	122.61
13	3	517	CLA	C1B-CHB-C4A	-2.37	125.41	130.12
13	A	1237	CLA	CHB-C4A-NA	2.37	127.80	124.51
13	G	1107	CLA	O2A-CGA-O1A	-2.37	117.60	123.59
16	s	523	BCR	C8-C7-C6	-2.37	120.53	127.20
13	a	517	CLA	C1B-CHB-C4A	-2.37	125.41	130.12
16	A	4011	BCR	C15-C16-C17	-2.37	118.61	123.47
16	a	523	BCR	C8-C7-C6	-2.37	120.53	127.20
13	t	503	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
13	A	1011	CLA	C4D-C3D-CAD	-2.37	105.30	108.10
13	A	1126	CLA	C2A-C1A-CHA	2.37	128.01	123.86
16	Z	524	BCR	C37-C22-C23	2.37	121.82	118.08
16	G	4011	BCR	C15-C16-C17	-2.37	118.61	123.47
19	f	5002	LMG	C38-C37-C36	-2.37	102.38	114.42
16	H	4006	BCR	C1-C6-C5	-2.37	119.27	122.61
16	r	522	BCR	C15-C16-C17	-2.37	118.61	123.47
16	G	4002	BCR	C38-C26-C27	2.37	118.17	113.62
16	V	4219	BCR	C20-C21-C22	-2.37	123.92	127.31
13	e	1129	CLA	O2D-CGD-CBD	2.37	115.48	111.27
19	B	5002	LMG	C38-C37-C36	-2.37	102.39	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B	4006	BCR	C1-C6-C5	-2.37	119.27	122.61
13	3	513	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
16	1	522	BCR	C16-C17-C18	-2.37	123.93	127.31
16	H	4009	BCR	C29-C30-C25	2.37	114.13	110.48
13	G	1129	CLA	O2D-CGD-CBD	2.37	115.48	111.27
16	Z	522	BCR	C15-C16-C17	-2.37	118.62	123.47
13	c	518	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
16	e	4007	BCR	C4-C5-C6	-2.37	119.29	122.73
13	e	1107	CLA	CHB-C4A-NA	2.37	127.79	124.51
16	f	4010	BCR	C38-C26-C27	2.37	118.17	113.62
13	U	1401	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
13	2	505	CLA	C1-C2-C3	-2.37	121.95	126.04
13	t	519	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
16	1	523	BCR	C34-C9-C8	2.37	121.81	118.08
16	A	4007	BCR	C4-C5-C6	-2.37	119.29	122.73
13	Z	505	CLA	C1-C2-C3	-2.37	121.95	126.04
13	A	1129	CLA	O2D-CGD-CBD	2.37	115.47	111.27
13	A	1107	CLA	O2A-CGA-O1A	-2.37	117.62	123.59
13	s	519	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
13	B	1231	CLA	CMA-C3A-C2A	-2.37	104.28	113.83
19	l	5104	LMG	C6-C5-C4	-2.37	107.46	113.00
13	A	1135	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
16	Y	523	BCR	C34-C9-C8	2.37	121.81	118.08
13	K	1105	CLA	C2D-C1D-ND	-2.37	108.36	110.10
13	e	1126	CLA	C2A-C1A-CHA	2.37	128.00	123.86
16	A	4007	BCR	C30-C25-C26	-2.37	119.28	122.61
19	J	5104	LMG	C6-C5-C4	-2.37	107.46	113.00
13	f	1231	CLA	CMA-C3A-C2A	-2.37	104.29	113.83
13	A	1129	CLA	C2D-C1D-ND	-2.37	108.36	110.10
19	H	5002	LMG	C38-C37-C36	-2.36	102.42	114.42
13	H	1239	CLA	CMB-C2B-C3B	2.36	129.10	124.68
13	5	518	CLA	C1B-CHB-C4A	-2.36	125.43	130.12
13	f	1236	CLA	O2A-CGA-O1A	-2.36	117.63	123.59
13	f	1238	CLA	CHB-C4A-NA	2.36	127.78	124.51
13	Z	501	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
16	e	4002	BCR	C38-C26-C27	2.36	118.15	113.62
16	q	522	BCR	C16-C17-C18	-2.36	123.94	127.31
13	f	1239	CLA	CMB-C2B-C3B	2.36	129.10	124.68
13	f	1234	CLA	CAC-C3C-C4C	2.36	127.87	124.81
13	Y	516	CLA	CHB-C4A-NA	2.36	127.78	124.51
13	G	1237	CLA	CHB-C4A-NA	2.36	127.77	124.51
13	s	513	CLA	C1B-CHB-C4A	-2.36	125.45	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1235	CLA	O2D-CGD-CBD	2.36	115.46	111.27
13	H	1231	CLA	CMA-C3A-C2A	-2.36	104.32	113.83
13	B	1239	CLA	CMB-C2B-C3B	2.36	129.09	124.68
13	K	1401	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
13	Z	501	CLA	CAA-C2A-C3A	-2.36	106.33	112.78
16	j	4016	BCR	C33-C5-C6	-2.36	121.88	124.53
13	B	1239	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
20	s	822	SQD	C1-O5-C5	2.36	118.31	113.69
16	T	4012	BCR	C2-C1-C6	2.36	114.11	110.48
13	f	1229	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
19	T	5104	LMG	C6-C5-C4	-2.35	107.49	113.00
16	Z	522	BCR	C1-C6-C5	-2.35	119.30	122.61
13	r	501	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
16	e	4003	BCR	C21-C20-C19	-2.35	115.87	123.22
16	2	522	BCR	C15-C16-C17	-2.35	118.65	123.47
13	2	501	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
13	B	1236	CLA	O2A-CGA-O1A	-2.35	117.65	123.59
13	H	1239	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
13	e	1135	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
16	L	4219	BCR	C20-C21-C22	-2.35	123.95	127.31
13	s	503	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
16	e	4003	BCR	C11-C10-C9	-2.35	123.95	127.31
16	A	4008	BCR	C34-C9-C8	2.35	121.78	118.08
16	c	524	BCR	C10-C11-C12	-2.35	115.88	123.22
13	r	501	CLA	CAA-C2A-C3A	-2.35	106.34	112.78
16	l	4012	BCR	C2-C1-C6	2.35	114.10	110.48
13	H	1236	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
16	B	4006	BCR	C33-C5-C4	2.35	118.13	113.62
16	n	4219	BCR	C20-C21-C22	-2.35	123.96	127.31
13	b	510	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
13	2	501	CLA	CAA-C2A-C3A	-2.35	106.35	112.78
16	H	4006	BCR	C33-C5-C4	2.35	118.13	113.62
13	f	1207	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
16	A	4002	BCR	C38-C26-C27	2.35	118.13	113.62
13	Y	501	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
16	G	4007	BCR	C4-C5-C6	-2.35	119.32	122.73
16	j	4016	BCR	C21-C20-C19	-2.35	115.89	123.22
16	q	523	BCR	C34-C9-C8	2.35	121.77	118.08
16	u	524	BCR	C10-C11-C12	-2.35	115.89	123.22
13	u	506	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
13	f	1239	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
13	q	501	CLA	C1B-CHB-C4A	-2.35	125.47	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
19	B	5002	LMG	C40-C39-C38	-2.35	102.52	114.42
16	f	4006	BCR	C33-C5-C4	2.35	118.12	113.62
13	H	1202	CLA	O2D-CGD-CBD	2.35	115.44	111.27
16	Z	524	BCR	C15-C16-C17	-2.35	118.67	123.47
13	4	501	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
16	H	4009	BCR	C37-C22-C23	2.35	121.77	118.08
16	R	4016	BCR	C21-C20-C19	-2.34	115.90	123.22
16	e	4008	BCR	C34-C9-C8	2.34	121.77	118.08
13	f	1222	CLA	CHB-C4A-NA	2.34	127.75	124.51
19	H	5002	LMG	C40-C39-C38	-2.34	102.52	114.42
17	e	5006	LHG	O8-C23-C24	2.34	119.26	111.91
13	B	1207	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
16	H	4010	BCR	C23-C24-C25	-2.34	120.62	127.20
19	f	5002	LMG	C40-C39-C38	-2.34	102.53	114.42
13	A	1121	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	q	519	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	t	501	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
16	A	4003	BCR	C21-C20-C19	-2.34	115.91	123.22
16	f	4005	BCR	C15-C16-C17	-2.34	118.67	123.47
16	f	4010	BCR	C23-C24-C25	-2.34	120.62	127.20
19	T	5104	LMG	O2-C2-C1	-2.34	104.36	110.05
13	l	501	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	B	1202	CLA	O2D-CGD-CBD	2.34	115.43	111.27
16	5	524	BCR	C10-C11-C12	-2.34	115.91	123.22
13	G	1135	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	u	516	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	H	1222	CLA	CHB-C4A-NA	2.34	127.75	124.51
16	H	4004	BCR	C15-C16-C17	-2.34	118.68	123.47
13	G	1121	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	H	1207	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
13	m	1401	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
17	A	5006	LHG	O8-C23-C24	2.34	119.25	111.91
16	F	4016	BCR	C21-C20-C19	-2.34	115.92	123.22
13	U	1105	CLA	C2D-C1D-ND	-2.34	108.38	110.10
13	H	1234	CLA	CAC-C3C-C4C	2.34	127.84	124.81
16	Y	523	BCR	C20-C21-C22	-2.34	123.97	127.31
16	2	524	BCR	C15-C16-C17	-2.34	118.68	123.47
16	B	4009	BCR	C37-C22-C23	2.34	121.76	118.08
13	4	510	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
13	B	1234	CLA	CAC-C3C-C4C	2.34	127.84	124.81
13	f	1235	CLA	O2D-CGD-CBD	2.34	115.42	111.27
13	H	1209	CLA	C1B-CHB-C4A	-2.34	125.49	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	G	4003	BCR	C21-C20-C19	-2.34	115.92	123.22
16	f	4009	BCR	C36-C18-C19	2.34	121.76	118.08
16	J	4012	BCR	C2-C1-C6	2.34	114.08	110.48
16	4	521	BCR	C29-C30-C25	2.34	114.08	110.48
16	B	4010	BCR	C23-C24-C25	-2.34	120.64	127.20
16	r	522	BCR	C33-C5-C4	2.34	118.10	113.62
16	b	521	BCR	C29-C30-C25	2.34	114.08	110.48
13	B	1222	CLA	CHB-C4A-NA	2.34	127.74	124.51
13	1	519	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
16	d	522	BCR	C30-C25-C26	-2.34	119.32	122.61
16	1	523	BCR	C20-C21-C22	-2.33	123.98	127.31
13	e	1121	CLA	C1B-CHB-C4A	-2.33	125.49	130.12
16	H	4005	BCR	C15-C16-C17	-2.33	118.69	123.47
16	G	4008	BCR	C34-C9-C8	2.33	121.75	118.08
16	f	4010	BCR	C36-C18-C19	2.33	121.75	118.08
16	l	4012	BCR	C28-C27-C26	-2.33	109.91	114.08
13	3	503	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
16	B	4005	BCR	C15-C16-C17	-2.33	118.69	123.47
16	Z	522	BCR	C33-C5-C4	2.33	118.10	113.62
13	B	1235	CLA	O2D-CGD-CBD	2.33	115.41	111.27
16	B	4004	BCR	C15-C16-C17	-2.33	118.70	123.47
20	3	822	SQD	C1-O5-C5	2.33	118.27	113.69
13	Z	509	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
13	q	508	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
13	b	501	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
13	B	1229	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
13	a	503	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
13	t	510	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
16	b	522	BCR	C33-C5-C4	2.33	118.09	113.62
16	H	4009	BCR	C36-C18-C19	2.33	121.75	118.08
13	e	1129	CLA	C2D-C1D-ND	-2.33	108.39	110.10
16	u	522	BCR	C3-C4-C5	-2.33	109.92	114.08
13	5	516	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
19	J	5104	LMG	O2-C2-C1	-2.33	104.39	110.05
13	A	1125	CLA	CAA-CBA-CGA	-2.33	106.45	113.25
13	A	1118	CLA	O2D-CGD-CBD	2.33	115.41	111.27
13	B	1209	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
13	5	506	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
16	f	4009	BCR	C37-C22-C23	2.33	121.75	118.08
13	v	503	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
16	t	522	BCR	C33-C5-C4	2.33	118.09	113.62
13	G	1118	CLA	O2D-CGD-CBD	2.33	115.40	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1124	CLA	C3C-C4C-NC	-2.33	107.96	110.57
16	t	524	BCR	C1-C6-C7	2.33	122.36	115.78
16	A	4007	BCR	C2-C1-C6	2.33	114.06	110.48
16	e	4007	BCR	C2-C1-C6	2.33	114.06	110.48
16	B	4009	BCR	C36-C18-C19	2.33	121.74	118.08
13	c	506	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
16	l	4013	BCR	C29-C30-C25	2.33	114.06	110.48
13	A	1124	CLA	C3C-C4C-NC	-2.33	107.96	110.57
16	2	522	BCR	C33-C5-C4	2.33	118.08	113.62
20	a	822	SQD	C1-O5-C5	2.33	118.25	113.69
16	5	522	BCR	C3-C4-C5	-2.32	109.93	114.08
13	6	503	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
13	H	1210	CLA	CAA-C2A-C3A	-2.32	106.41	112.78
16	J	4012	BCR	C28-C27-C26	-2.32	109.93	114.08
13	c	516	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
16	v	521	BCR	C33-C5-C6	-2.32	121.92	124.53
16	4	524	BCR	C1-C6-C7	2.32	122.35	115.78
13	G	1125	CLA	CAA-CBA-CGA	-2.32	106.46	113.25
13	b	507	CLA	O2D-CGD-CBD	2.32	115.40	111.27
16	T	4012	BCR	C28-C27-C26	-2.32	109.93	114.08
16	s	524	BCR	C23-C24-C25	-2.32	120.68	127.20
13	e	1125	CLA	CAA-CBA-CGA	-2.32	106.47	113.25
13	f	1209	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
17	V	5221	LHG	C11-C10-C9	-2.32	102.64	114.42
16	t	521	BCR	C29-C30-C25	2.32	114.06	110.48
17	G	5006	LHG	O8-C23-C24	2.32	119.19	111.91
16	3	524	BCR	C23-C24-C25	-2.32	120.68	127.20
13	t	507	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
13	e	1118	CLA	O2D-CGD-CBD	2.32	115.39	111.27
13	f	1202	CLA	O2D-CGD-CBD	2.32	115.39	111.27
16	Y	522	BCR	C30-C25-C26	-2.32	119.34	122.61
13	H	1229	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
13	l	508	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
13	r	508	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
16	f	4004	BCR	C15-C16-C17	-2.32	118.72	123.47
16	l	522	BCR	C30-C25-C26	-2.32	119.35	122.61
16	4	522	BCR	C33-C5-C4	2.32	118.07	113.62
16	r	524	BCR	C15-C16-C17	-2.32	118.72	123.47
13	A	1139	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
13	G	1103	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
16	G	4007	BCR	C2-C1-C6	2.32	114.05	110.48
13	e	1237	CLA	C1B-CHB-C4A	-2.32	125.53	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	L	5221	LHG	C11-C10-C9	-2.32	102.66	114.42
20	r	822	SQD	O48-C23-C24	2.32	119.18	111.91
13	A	1103	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
13	f	1221	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
20	2	822	SQD	O48-C23-C24	2.32	119.18	111.91
13	B	1221	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
13	2	518	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
20	b	822	SQD	C1-O5-C5	2.32	118.23	113.69
16	v	522	BCR	C30-C25-C26	-2.32	119.35	122.61
13	s	510	CLA	C2A-C1A-CHA	2.32	127.91	123.86
13	Y	508	CLA	O2A-CGA-O1A	-2.32	117.75	123.59
13	G	1139	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
13	f	1210	CLA	CAA-C2A-C3A	-2.32	106.44	112.78
16	r	523	BCR	C15-C16-C17	-2.31	118.73	123.47
13	Z	510	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
13	a	511	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
13	Z	507	CLA	C2A-C1A-CHA	2.31	127.91	123.86
13	d	507	CLA	C2A-C1A-CHA	2.31	127.91	123.86
13	B	1210	CLA	CAA-C2A-C3A	-2.31	106.44	112.78
13	1	509	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
13	Z	518	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
16	T	4013	BCR	C7-C8-C9	-2.31	122.74	126.23
13	2	509	CLA	O2A-CGA-O1A	-2.31	117.75	123.59
16	d	521	BCR	C33-C5-C6	-2.31	121.93	124.53
20	t	822	SQD	C1-O5-C5	2.31	118.23	113.69
13	2	507	CLA	C2A-C1A-CHA	2.31	127.90	123.86
17	n	5221	LHG	C11-C10-C9	-2.31	102.68	114.42
16	T	4013	BCR	C35-C13-C12	2.31	121.72	118.08
13	6	507	CLA	C2A-C1A-CHA	2.31	127.90	123.86
19	l	5104	LMG	O2-C2-C1	-2.31	104.43	110.05
20	Z	822	SQD	O48-C23-C24	2.31	119.17	111.91
17	A	5009	LHG	C20-C19-C18	-2.31	102.69	114.42
16	c	522	BCR	C3-C4-C5	-2.31	109.95	114.08
13	Z	508	CLA	O2A-CGA-O1A	-2.31	117.76	123.59
13	4	507	CLA	O2D-CGD-CBD	2.31	115.38	111.27
13	v	507	CLA	C2A-C1A-CHA	2.31	127.90	123.86
13	2	508	CLA	O2A-CGA-O1A	-2.31	117.76	123.59
13	A	1115	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
13	Y	509	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
13	s	518	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
16	J	4013	BCR	C35-C13-C12	2.31	121.72	118.08
13	Y	519	CLA	C1B-CHB-C4A	-2.31	125.54	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	2	516	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
13	e	1103	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
19	H	5002	LMG	C42-C41-C40	-2.31	102.69	114.42
13	2	519	CLA	CAA-C2A-C3A	-2.31	106.45	112.78
16	6	521	BCR	C33-C5-C6	-2.31	121.93	124.53
13	Z	504	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
13	r	519	CLA	CAA-C2A-C1A	-2.31	104.41	111.97
13	f	1202	CLA	CHD-C1D-ND	-2.31	122.33	124.45
17	e	5009	LHG	C20-C19-C18	-2.31	102.70	114.42
16	B	4010	BCR	C36-C18-C19	2.31	121.72	118.08
16	b	524	BCR	C1-C6-C7	2.31	122.31	115.78
13	r	516	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
16	H	4005	BCR	C33-C5-C4	2.31	118.05	113.62
13	r	509	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
16	A	4003	BCR	C11-C10-C9	-2.31	124.02	127.31
13	1	501	CLA	CAA-C2A-C3A	-2.31	106.46	112.78
16	V	4019	BCR	C15-C16-C17	-2.31	118.75	123.47
16	4	523	BCR	C21-C20-C19	-2.31	116.02	123.22
13	B	1226	CLA	C3C-C4C-NC	-2.31	107.98	110.57
16	U	4104	BCR	C10-C11-C12	-2.31	116.02	123.22
13	2	504	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
13	e	1139	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
13	Z	519	CLA	CAA-C2A-C1A	-2.31	104.42	111.97
17	G	5009	LHG	C20-C19-C18	-2.31	102.72	114.42
13	r	519	CLA	CAA-C2A-C3A	-2.31	106.46	112.78
13	r	518	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
16	2	523	BCR	C15-C16-C17	-2.31	118.75	123.47
16	n	4019	BCR	C15-C16-C17	-2.31	118.75	123.47
16	a	524	BCR	C23-C24-C25	-2.31	120.73	127.20
19	B	5002	LMG	C42-C41-C40	-2.31	102.72	114.42
19	f	5002	LMG	C42-C41-C40	-2.31	102.72	114.42
13	Y	501	CLA	CAA-C2A-C3A	-2.30	106.47	112.78
13	s	512	CLA	CHB-C4A-NA	2.30	127.70	124.51
13	q	501	CLA	CAA-C2A-C3A	-2.30	106.47	112.78
16	l	4013	BCR	C7-C8-C9	-2.30	122.75	126.23
13	2	503	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
13	r	510	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
16	6	522	BCR	C30-C25-C26	-2.30	119.37	122.61
13	r	503	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
16	L	4022	BCR	C29-C28-C27	-2.30	106.23	111.38
13	e	1105	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
13	Z	519	CLA	CAA-C2A-C3A	-2.30	106.47	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	M	4021	BCR	C3-C4-C5	-2.30	109.96	114.08
16	T	4013	BCR	C29-C30-C25	2.30	114.03	110.48
20	4	822	SQD	C1-O5-C5	2.30	118.21	113.69
13	A	1237	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
16	n	4019	BCR	C33-C5-C6	-2.30	121.94	124.53
13	2	519	CLA	CAA-C2A-C1A	-2.30	104.43	111.97
13	2	510	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
13	H	1221	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
13	q	509	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
16	L	4019	BCR	C15-C16-C17	-2.30	118.76	123.47
13	3	510	CLA	C2A-C1A-CHA	2.30	127.88	123.86
16	e	4002	BCR	C33-C5-C6	-2.30	121.94	124.53
13	3	512	CLA	CHB-C4A-NA	2.30	127.69	124.51
13	3	518	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
16	b	523	BCR	C21-C20-C19	-2.30	116.04	123.22
20	4	822	SQD	O5-C5-C4	2.30	113.87	109.69
16	K	4104	BCR	C10-C11-C12	-2.30	116.04	123.22
13	G	1115	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
13	Z	503	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
13	Z	516	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
13	e	1124	CLA	C3C-C4C-NC	-2.30	107.99	110.57
13	3	511	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
13	t	507	CLA	O2D-CGD-CBD	2.30	115.35	111.27
16	s	524	BCR	C34-C9-C8	2.30	121.70	118.08
16	V	4022	BCR	C29-C28-C27	-2.30	106.24	111.38
16	f	4005	BCR	C33-C5-C4	2.30	118.03	113.62
20	t	822	SQD	C4-C3-C2	2.30	114.83	110.82
20	t	822	SQD	O5-C5-C4	2.30	113.86	109.69
16	W	4021	BCR	C3-C4-C5	-2.30	109.98	114.08
13	a	512	CLA	CHB-C4A-NA	2.30	127.69	124.51
16	L	4019	BCR	C33-C5-C6	-2.30	121.95	124.53
13	H	1226	CLA	CHC-C1C-NC	2.30	127.69	124.20
13	a	518	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
16	n	4219	BCR	C36-C18-C19	2.30	121.69	118.08
13	r	507	CLA	C2A-C1A-CHA	2.30	127.87	123.86
16	t	523	BCR	C21-C20-C19	-2.29	116.06	123.22
13	l	1303	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
16	Z	523	BCR	C15-C16-C17	-2.29	118.77	123.47
16	V	4219	BCR	C36-C18-C19	2.29	121.69	118.08
13	H	1227	CLA	O2D-CGD-CBD	2.29	115.34	111.27
13	f	1239	CLA	CMC-C2C-C1C	-2.29	121.55	125.04
13	H	1226	CLA	C3C-C4C-NC	-2.29	108.00	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1105	CLA	O2A-CGA-O1A	-2.29	117.80	123.59
13	s	511	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
16	n	4020	BCR	C21-C20-C19	-2.29	116.06	123.22
13	1	516	CLA	CHD-C1D-ND	-2.29	122.35	124.45
16	J	4013	BCR	C29-C30-C25	2.29	114.01	110.48
13	A	1125	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
13	d	503	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
16	R	4016	BCR	C16-C15-C14	-2.29	118.78	123.47
13	H	1202	CLA	CHD-C1D-ND	-2.29	122.35	124.45
20	b	822	SQD	O5-C5-C4	2.29	113.86	109.69
13	H	1221	CLA	C2A-C1A-CHA	2.29	127.87	123.86
13	B	1239	CLA	CMC-C2C-C1C	-2.29	121.55	125.04
13	4	507	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
16	G	4003	BCR	C11-C10-C9	-2.29	124.04	127.31
16	J	4013	BCR	C7-C8-C9	-2.29	122.77	126.23
16	B	4005	BCR	C33-C5-C4	2.29	118.02	113.62
16	n	4022	BCR	C29-C28-C27	-2.29	106.26	111.38
13	G	1104	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
13	n	1501	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
13	a	510	CLA	C2A-C1A-CHA	2.29	127.86	123.86
13	G	1119	CLA	C2D-C1D-ND	-2.29	108.42	110.10
13	r	504	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
16	A	4002	BCR	C33-C5-C6	-2.29	121.96	124.53
16	m	4104	BCR	C10-C11-C12	-2.29	116.08	123.22
13	s	510	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
13	3	502	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
13	V	1501	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
13	e	1125	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
16	j	4016	BCR	C16-C15-C14	-2.29	118.79	123.47
16	L	4219	BCR	C36-C18-C19	2.29	121.68	118.08
13	b	507	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
13	e	1115	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
13	a	510	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
13	s	502	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
16	n	4022	BCR	C29-C30-C25	2.29	114.00	110.48
16	H	4010	BCR	C36-C18-C19	2.28	121.68	118.08
16	c	523	BCR	C37-C22-C23	2.28	121.68	118.08
13	Z	509	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
17	e	5007	LHG	C18-C17-C16	-2.28	102.83	114.42
13	G	1237	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
13	a	502	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
13	H	1238	CLA	O2A-CGA-O1A	-2.28	117.83	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	V	1501	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
16	V	4019	BCR	C33-C5-C6	-2.28	121.96	124.53
20	4	822	SQD	C4-C3-C2	2.28	114.81	110.82
13	H	1239	CLA	CMC-C2C-C1C	-2.28	121.56	125.04
16	V	4020	BCR	C21-C20-C19	-2.28	116.09	123.22
13	B	1210	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
13	L	1501	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
13	B	1202	CLA	CHD-C1D-ND	-2.28	122.36	124.45
17	G	5007	LHG	C18-C17-C16	-2.28	102.84	114.42
16	F	4016	BCR	C16-C15-C14	-2.28	118.80	123.47
13	A	1105	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
13	f	1227	CLA	O2D-CGD-CBD	2.28	115.32	111.27
13	e	1105	CLA	CHD-C1D-ND	-2.28	122.36	124.45
13	f	1226	CLA	C3C-C4C-NC	-2.28	108.01	110.57
17	G	5005	LHG	C18-C17-C16	-2.28	102.84	114.42
20	b	822	SQD	C4-C3-C2	2.28	114.81	110.82
17	A	5007	LHG	C18-C17-C16	-2.28	102.84	114.42
13	n	1501	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
16	l	4013	BCR	C35-C13-C12	2.28	121.67	118.08
13	4	506	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
13	f	1221	CLA	C2A-C1A-CHA	2.28	127.84	123.86
16	L	4020	BCR	C21-C20-C19	-2.28	116.10	123.22
16	d	523	BCR	C8-C7-C6	-2.28	120.80	127.20
17	A	5005	LHG	C18-C17-C16	-2.28	102.86	114.42
20	B	1852	SQD	C4-C3-C2	2.28	114.80	110.82
17	e	5005	LHG	C18-C17-C16	-2.28	102.86	114.42
13	B	1226	CLA	CHC-C1C-NC	2.28	127.66	124.20
16	V	4022	BCR	C29-C30-C25	2.28	113.99	110.48
16	u	523	BCR	C37-C22-C23	2.28	121.66	118.08
13	f	1210	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
13	f	1228	CLA	C1-C2-C3	-2.28	122.11	126.04
13	L	1501	CLA	O2A-CGA-O1A	-2.28	117.85	123.59
16	4	522	BCR	C3-C4-C5	-2.28	110.01	114.08
13	a	505	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
13	e	1140	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
13	B	1238	CLA	O2A-CGA-O1A	-2.28	117.85	123.59
20	f	1852	SQD	C4-C3-C2	2.28	114.80	110.82
13	B	1227	CLA	O2D-CGD-CBD	2.28	115.31	111.27
13	B	1221	CLA	C2A-C1A-CHA	2.28	127.84	123.86
16	G	4002	BCR	C33-C5-C6	-2.28	121.97	124.53
13	e	1801	CLA	CAA-C2A-C3A	-2.27	106.55	112.78
16	3	524	BCR	C34-C9-C8	2.27	121.66	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	a	524	BCR	C34-C9-C8	2.27	121.66	118.08
16	n	4022	BCR	C24-C23-C22	-2.27	122.80	126.23
16	L	4022	BCR	C29-C30-C25	2.27	113.98	110.48
16	6	523	BCR	C8-C7-C6	-2.27	120.82	127.20
13	3	510	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
13	4	513	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
13	B	1221	CLA	CAA-C2A-C3A	-2.27	106.55	112.78
13	B	1219	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
16	o	4021	BCR	C3-C4-C5	-2.27	110.02	114.08
17	G	5003	LHG	C18-C17-C16	-2.27	102.89	114.42
13	H	1228	CLA	C1-C2-C3	-2.27	122.11	126.04
16	U	4104	BCR	C37-C22-C21	-2.27	119.74	122.92
17	A	5003	LHG	C18-C17-C16	-2.27	102.89	114.42
13	v	511	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
13	B	1228	CLA	C1-C2-C3	-2.27	122.11	126.04
13	H	1221	CLA	CAA-C2A-C3A	-2.27	106.56	112.78
16	T	4013	BCR	C10-C11-C12	-2.27	116.13	123.22
13	t	503	CLA	C2D-C1D-ND	-2.27	108.43	110.10
13	d	511	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
13	r	509	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
13	f	1238	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
16	l	4012	BCR	C16-C17-C18	-2.27	124.07	127.31
13	A	1104	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
13	t	513	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
13	H	1219	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
16	5	523	BCR	C37-C22-C23	2.27	121.65	118.08
17	A	5007	LHG	C27-C26-C25	-2.27	102.90	114.42
17	e	5003	LHG	C18-C17-C16	-2.27	102.90	114.42
17	G	5007	LHG	C27-C26-C25	-2.27	102.90	114.42
13	q	503	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
13	G	1121	CLA	C2A-C1A-CHA	2.27	127.83	123.86
16	q	522	BCR	C30-C25-C26	-2.27	119.42	122.61
18	H	1843	LMU	C6B-C5B-C4B	-2.27	107.69	113.00
13	B	1234	CLA	O2D-CGD-CBD	2.27	115.30	111.27
20	H	1852	SQD	C4-C3-C2	2.27	114.78	110.82
16	K	4104	BCR	C37-C22-C21	-2.27	119.75	122.92
13	Y	503	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
16	b	522	BCR	C3-C4-C5	-2.27	110.03	114.08
13	H	1228	CLA	O2A-CGA-O1A	-2.27	117.87	123.59
16	m	4104	BCR	C37-C22-C21	-2.27	119.75	122.92
13	G	1125	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
17	e	5007	LHG	C27-C26-C25	-2.27	102.91	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	1	504	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
13	A	1140	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
13	6	511	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
13	f	1228	CLA	O2A-CGA-O1A	-2.27	117.87	123.59
18	f	1843	LMU	C6B-C5B-C4B	-2.27	107.70	113.00
16	J	4013	BCR	C10-C11-C12	-2.26	116.15	123.22
13	H	1210	CLA	CBC-CAC-C3C	2.26	118.67	112.43
16	Z	523	BCR	C10-C11-C12	-2.26	116.15	123.22
16	l	4013	BCR	C10-C11-C12	-2.26	116.15	123.22
16	v	523	BCR	C8-C7-C6	-2.26	120.84	127.20
18	B	1843	LMU	C6B-C5B-C4B	-2.26	107.70	113.00
19	T	5104	LMG	C1-C2-C3	-2.26	105.28	110.00
13	A	1140	CLA	O2D-CGD-CBD	2.26	115.29	111.27
13	2	509	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	e	1140	CLA	O2D-CGD-CBD	2.26	115.29	111.27
16	T	4012	BCR	C16-C17-C18	-2.26	124.08	127.31
13	j	1301	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
13	G	1140	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	A	1801	CLA	CAA-C2A-C3A	-2.26	106.58	112.78
13	G	1801	CLA	CAA-C2A-C3A	-2.26	106.58	112.78
13	H	1210	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	Y	504	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	t	506	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	f	1210	CLA	CBC-CAC-C3C	2.26	118.67	112.43
13	F	1302	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	T	1303	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	1	503	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	5	503	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	n	1501	CLA	CAA-C2A-C3A	-2.26	106.59	112.78
13	G	1140	CLA	O2D-CGD-CBD	2.26	115.28	111.27
13	f	1234	CLA	O2D-CGD-CBD	2.26	115.28	111.27
13	A	1117	CLA	O2A-CGA-O1A	-2.26	117.89	123.59
13	J	1303	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
16	2	523	BCR	C33-C5-C4	2.26	117.96	113.62
13	G	1117	CLA	O2A-CGA-O1A	-2.26	117.89	123.59
13	A	1119	CLA	C2D-C1D-ND	-2.26	108.44	110.10
13	G	1113	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	j	1302	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
16	V	4022	BCR	C3-C4-C5	-2.26	110.04	114.08
16	J	4012	BCR	C16-C17-C18	-2.26	124.09	127.31
13	A	1121	CLA	C2A-C1A-CHA	2.26	127.81	123.86
13	H	1240	CLA	O2A-CGA-O1A	-2.26	117.89	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1117	CLA	O2A-CGA-O1A	-2.26	117.89	123.59
16	V	4022	BCR	C24-C23-C22	-2.26	122.82	126.23
13	R	1302	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
13	t	504	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
16	A	4001	BCR	C34-C9-C8	2.26	121.63	118.08
16	G	4001	BCR	C34-C9-C8	2.26	121.63	118.08
13	H	1226	CLA	CAC-C3C-C4C	2.26	127.74	124.81
16	T	4015	BCR	C21-C20-C19	-2.26	116.18	123.22
13	f	1219	CLA	O2A-CGA-O1A	-2.26	117.90	123.59
13	L	1501	CLA	CAA-C2A-C3A	-2.26	106.60	112.78
13	f	1221	CLA	CAA-C2A-C3A	-2.25	106.60	112.78
13	B	1228	CLA	O2A-CGA-O1A	-2.25	117.90	123.59
13	b	506	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
13	J	1303	CLA	CAA-C2A-C1A	2.25	119.36	111.97
13	l	511	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
16	e	4001	BCR	C34-C9-C8	2.25	121.63	118.08
13	f	1210	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
13	6	516	CLA	CAA-C2A-C3A	-2.25	106.61	112.78
13	R	1301	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
13	f	1221	CLA	C6-C7-C8	-2.25	108.64	115.92
13	a	501	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
17	e	5006	LHG	O8-C23-O10	-2.25	117.91	123.59
16	t	522	BCR	C3-C4-C5	-2.25	110.06	114.08
16	2	523	BCR	C10-C11-C12	-2.25	116.19	123.22
16	G	4002	BCR	C10-C11-C12	-2.25	116.19	123.22
13	d	516	CLA	CAA-C2A-C3A	-2.25	106.61	112.78
13	f	1238	CLA	CAA-C2A-C3A	-2.25	106.61	112.78
13	B	1240	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
17	A	5006	LHG	O8-C23-O10	-2.25	117.91	123.59
13	T	1303	CLA	CAA-C2A-C1A	2.25	119.35	111.97
16	r	523	BCR	C10-C11-C12	-2.25	116.19	123.22
13	e	1121	CLA	C2A-C1A-CHA	2.25	127.79	123.86
13	B	1210	CLA	CBC-CAC-C3C	2.25	118.64	112.43
13	B	1221	CLA	C6-C7-C8	-2.25	108.65	115.92
13	H	1221	CLA	C6-C7-C8	-2.25	108.65	115.92
13	A	1139	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
16	Z	523	BCR	C33-C5-C4	2.25	117.94	113.62
13	A	1131	CLA	CHD-C1D-ND	-2.25	122.39	124.45
13	c	503	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
13	q	511	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
13	F	1301	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
13	f	1240	CLA	O2A-CGA-O1A	-2.25	117.92	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1226	CLA	CAC-C3C-C4C	2.25	127.73	124.81
13	c	509	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
16	f	4010	BCR	C4-C5-C6	-2.25	119.47	122.73
13	H	1238	CLA	CAA-C2A-C3A	-2.25	106.62	112.78
13	3	505	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
18	Y	902	LMU	C1'-C2'-C3'	2.25	114.68	110.00
13	B	1230	CLA	CHB-C4A-NA	2.25	127.62	124.51
13	b	513	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
13	u	503	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
13	Y	516	CLA	CHD-C1D-ND	-2.25	122.39	124.45
13	B	1210	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
17	H	1855	LHG	C20-C19-C18	-2.25	103.02	114.42
19	H	5002	LMG	O2-C2-C1	-2.25	104.59	110.05
17	e	5006	LHG	C27-C26-C25	-2.25	103.02	114.42
16	L	4022	BCR	C3-C4-C5	-2.25	110.07	114.08
13	l	1303	CLA	CAA-C2A-C1A	2.25	119.34	111.97
13	A	1113	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
13	B	1238	CLA	CAA-C2A-C3A	-2.25	106.63	112.78
13	H	1230	CLA	CHB-C4A-NA	2.25	127.62	124.51
16	H	4010	BCR	C4-C5-C6	-2.25	119.47	122.73
13	f	1226	CLA	CAC-C3C-C4C	2.25	127.72	124.81
13	H	1201	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
19	J	5104	LMG	C1-C2-C3	-2.25	105.32	110.00
17	f	1855	LHG	C20-C19-C18	-2.25	103.03	114.42
13	f	1230	CLA	CHB-C4A-NA	2.25	127.62	124.51
17	G	5006	LHG	C27-C26-C25	-2.24	103.03	114.42
13	A	1114	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
13	3	501	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
17	A	5006	LHG	C27-C26-C25	-2.24	103.03	114.42
17	B	1855	LHG	C20-C19-C18	-2.24	103.03	114.42
19	f	5002	LMG	O2-C2-C1	-2.24	104.59	110.05
13	d	504	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
16	r	523	BCR	C33-C5-C4	2.24	117.93	113.62
16	l	4015	BCR	C21-C20-C19	-2.24	116.21	123.22
13	v	516	CLA	CAA-C2A-C3A	-2.24	106.63	112.78
16	L	4022	BCR	C24-C23-C22	-2.24	122.84	126.23
16	B	4010	BCR	C4-C5-C6	-2.24	119.47	122.73
13	2	502	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
13	u	502	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
16	J	4015	BCR	C21-C20-C19	-2.24	116.22	123.22
13	2	505	CLA	C2D-C1D-ND	-2.24	108.45	110.10
16	B	4009	BCR	C8-C7-C6	-2.24	120.90	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1022	CLA	CAA-CBA-CGA	-2.24	106.70	113.25
13	5	502	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	V	1501	CLA	CAA-C2A-C3A	-2.24	106.64	112.78
13	A	1107	CLA	CAA-CBA-CGA	-2.24	106.70	113.25
13	A	1105	CLA	CHD-C1D-ND	-2.24	122.39	124.45
13	G	1107	CLA	CAA-CBA-CGA	-2.24	106.70	113.25
16	n	4022	BCR	C3-C4-C5	-2.24	110.08	114.08
20	H	1852	SQD	O6-C44-C45	2.24	116.31	110.90
13	6	504	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
19	B	5002	LMG	O2-C2-C1	-2.24	104.60	110.05
13	e	1013	CLA	C3C-C4C-NC	-2.24	108.06	110.57
13	5	501	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	e	1104	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	B	1229	CLA	C6-C7-C8	-2.24	108.68	115.92
13	q	504	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	e	1114	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	G	1139	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
13	B	1240	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	b	510	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	t	510	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	e	1107	CLA	CAA-CBA-CGA	-2.24	106.71	113.25
16	H	4009	BCR	C8-C7-C6	-2.24	120.91	127.20
16	A	4002	BCR	C10-C11-C12	-2.24	116.23	123.22
13	c	502	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	s	505	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
20	f	1852	SQD	O6-C44-C45	2.24	116.30	110.90
13	Y	511	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
13	e	1022	CLA	CAA-CBA-CGA	-2.24	106.71	113.25
13	e	1139	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
13	e	1119	CLA	C2D-C1D-ND	-2.24	108.45	110.10
13	f	1226	CLA	CHC-C1C-NC	2.24	127.60	124.20
13	4	504	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
13	B	1201	CLA	O2A-CGA-O1A	-2.24	117.95	123.59
19	l	5104	LMG	C1-C2-C3	-2.24	105.34	110.00
16	q	522	BCR	C1-C6-C7	2.24	122.11	115.78
13	G	1105	CLA	CHD-C1D-ND	-2.24	122.40	124.45
13	G	1101	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
13	H	1234	CLA	O2D-CGD-CBD	2.24	115.24	111.27
16	5	524	BCR	C38-C26-C25	-2.24	122.02	124.53
13	t	511	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
13	u	501	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
19	B	5002	LMG	O3-C3-C2	-2.23	105.18	110.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	B	1852	SQD	O6-C44-C45	2.23	116.29	110.90
13	e	1108	CLA	CHB-C4A-NA	2.23	127.60	124.51
13	5	509	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
19	f	5002	LMG	O3-C3-C2	-2.23	105.18	110.35
16	u	524	BCR	C38-C26-C25	-2.23	122.02	124.53
13	2	511	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
13	G	1131	CLA	CHD-C1D-ND	-2.23	122.40	124.45
16	5	522	BCR	C30-C25-C26	-2.23	119.47	122.61
13	A	1108	CLA	CHB-C4A-NA	2.23	127.60	124.51
17	e	5009	LHG	C27-C26-C25	-2.23	103.08	114.42
13	a	503	CLA	C2D-C1D-ND	-2.23	108.46	110.10
13	e	1131	CLA	CHD-C1D-ND	-2.23	122.40	124.45
13	A	1135	CLA	O2A-C1-C2	2.23	114.50	108.64
13	4	503	CLA	C2D-C1D-ND	-2.23	108.46	110.10
13	H	1229	CLA	C6-C7-C8	-2.23	108.70	115.92
13	H	1210	CLA	O2A-CGA-O1A	-2.23	117.96	123.59
13	v	504	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
16	5	522	BCR	C1-C6-C7	2.23	122.09	115.78
16	f	4009	BCR	C8-C7-C6	-2.23	120.94	127.20
13	H	1240	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
16	l	522	BCR	C1-C6-C7	2.23	122.09	115.78
13	A	1124	CLA	CHD-C1D-ND	-2.23	122.40	124.45
13	q	516	CLA	CHD-C1D-ND	-2.23	122.40	124.45
16	c	524	BCR	C21-C20-C19	-2.23	116.26	123.22
16	u	524	BCR	C21-C20-C19	-2.23	116.26	123.22
13	l	510	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
16	Y	522	BCR	C1-C6-C7	2.23	122.09	115.78
13	q	510	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
17	G	5006	LHG	O8-C23-O10	-2.23	117.96	123.59
13	f	1229	CLA	C6-C7-C8	-2.23	108.71	115.92
13	A	1101	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
16	c	524	BCR	C38-C26-C25	-2.23	122.03	124.53
17	A	5003	LHG	C27-C26-C25	-2.23	103.11	114.42
13	B	1012	CLA	O2D-CGD-CBD	2.23	115.23	111.27
13	G	1013	CLA	C3C-C4C-NC	-2.23	108.07	110.57
13	Z	502	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
13	4	511	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
13	s	501	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
13	A	1127	CLA	O2D-CGD-O1D	-2.23	119.48	123.84
13	A	1115	CLA	C4-C3-C5	2.23	119.02	115.27
13	f	1201	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
13	t	511	CLA	C2D-C1D-ND	-2.23	108.46	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1013	CLA	C3C-C4C-NC	-2.23	108.07	110.57
13	e	1115	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
16	u	522	BCR	C30-C25-C26	-2.23	119.48	122.61
16	4	523	BCR	C10-C11-C12	-2.23	116.27	123.22
13	u	510	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
13	f	1204	CLA	CHD-C1D-ND	-2.23	122.41	124.45
13	G	1127	CLA	O2D-CGD-O1D	-2.22	119.49	123.84
17	A	5009	LHG	C27-C26-C25	-2.22	103.13	114.42
17	G	5003	LHG	C27-C26-C25	-2.22	103.13	114.42
13	4	510	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
13	G	1135	CLA	O2A-C1-C2	2.22	114.48	108.64
17	e	5003	LHG	C27-C26-C25	-2.22	103.13	114.42
13	A	1115	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
13	b	511	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
13	r	511	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
16	Y	524	BCR	C37-C22-C23	2.22	121.58	118.08
13	e	1115	CLA	C4-C3-C5	2.22	119.01	115.27
13	f	1012	CLA	C4-C3-C5	2.22	119.01	115.27
16	e	4002	BCR	C10-C11-C12	-2.22	116.28	123.22
16	a	524	BCR	C8-C7-C6	-2.22	120.96	127.20
16	t	523	BCR	C10-C11-C12	-2.22	116.28	123.22
13	A	1140	CLA	CHA-C1A-NA	-2.22	121.31	126.40
13	B	1218	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
16	5	524	BCR	C21-C20-C19	-2.22	116.28	123.22
19	T	5104	LMG	O3-C3-C2	-2.22	105.21	110.35
13	F	1302	CLA	CMB-C2B-C3B	2.22	128.84	124.68
13	e	1127	CLA	O2D-CGD-O1D	-2.22	119.49	123.84
17	V	5218	LHG	C27-C26-C25	-2.22	103.15	114.42
13	e	1135	CLA	O2A-C1-C2	2.22	114.47	108.64
18	l	902	LMU	C1'-C2'-C3'	2.22	114.62	110.00
16	u	522	BCR	C1-C6-C7	2.22	122.06	115.78
13	G	1114	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
13	s	503	CLA	C2D-C1D-ND	-2.22	108.47	110.10
13	j	1302	CLA	CMB-C2B-C3B	2.22	128.83	124.68
16	e	4003	BCR	C10-C11-C12	-2.22	116.28	123.22
13	G	1022	CLA	CAA-CBA-CGA	-2.22	106.76	113.25
13	f	1012	CLA	O2D-CGD-CBD	2.22	115.21	111.27
13	Y	510	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
13	G	1123	CLA	O2D-CGD-CBD	2.22	115.21	111.27
13	G	1140	CLA	CHA-C1A-NA	-2.22	121.31	126.40
13	G	1124	CLA	CHD-C1D-ND	-2.22	122.41	124.45
16	c	522	BCR	C1-C6-C7	2.22	122.06	115.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	c	501	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
16	H	4006	BCR	C21-C20-C19	-2.22	116.29	123.22
13	e	1113	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
13	f	1240	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
17	G	5009	LHG	C27-C26-C25	-2.22	103.16	114.42
17	f	1855	LHG	C11-C10-C9	-2.22	103.16	114.42
16	q	524	BCR	C37-C22-C23	2.22	121.57	118.08
13	f	1218	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
13	G	1115	CLA	O2A-CGA-O1A	-2.22	118.00	123.59
16	1	524	BCR	C37-C22-C23	2.22	121.57	118.08
16	3	524	BCR	C8-C7-C6	-2.22	120.97	127.20
13	6	501	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
13	e	1128	CLA	O2D-CGD-CBD	2.22	115.21	111.27
13	f	1234	CLA	C3A-C2A-C1A	2.22	104.66	101.34
17	L	5218	LHG	C27-C26-C25	-2.22	103.17	114.42
13	H	1218	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
13	B	1219	CLA	CHB-C4A-NA	2.22	127.58	124.51
17	B	1855	LHG	C11-C10-C9	-2.22	103.17	114.42
13	A	1123	CLA	O2D-CGD-CBD	2.22	115.21	111.27
13	A	1128	CLA	O2D-CGD-CBD	2.22	115.21	111.27
19	H	5002	LMG	O3-C3-C2	-2.22	105.23	110.35
13	r	505	CLA	C2D-C1D-ND	-2.22	108.47	110.10
13	Z	511	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
17	H	1855	LHG	C11-C10-C9	-2.22	103.18	114.42
16	4	522	BCR	C23-C24-C25	-2.22	120.98	127.20
17	n	5218	LHG	C27-C26-C25	-2.22	103.18	114.42
13	t	509	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
16	G	4003	BCR	C10-C11-C12	-2.22	116.30	123.22
13	e	1134	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
13	b	503	CLA	C2D-C1D-ND	-2.21	108.47	110.10
13	f	1212	CLA	O2D-CGD-CBD	2.21	115.20	111.27
13	v	516	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
13	u	509	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
16	B	4006	BCR	C21-C20-C19	-2.21	116.31	123.22
16	T	4012	BCR	C1-C6-C7	2.21	122.04	115.78
13	e	1124	CLA	CHD-C1D-ND	-2.21	122.42	124.45
16	b	523	BCR	C10-C11-C12	-2.21	116.31	123.22
13	2	502	CLA	CAA-C2A-C3A	-2.21	106.72	112.78
13	G	1108	CLA	CHB-C4A-NA	2.21	127.57	124.51
13	b	504	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
16	s	524	BCR	C8-C7-C6	-2.21	120.99	127.20
13	Z	505	CLA	C2D-C1D-ND	-2.21	108.47	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1134	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
13	v	501	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
13	A	1138	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
13	b	509	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
13	3	509	CLA	C2A-C1A-CHA	2.21	127.72	123.86
13	s	509	CLA	C2A-C1A-CHA	2.21	127.72	123.86
13	d	516	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
16	A	4003	BCR	C10-C11-C12	-2.21	116.32	123.22
13	r	502	CLA	CAA-C2A-C3A	-2.21	106.73	112.78
13	e	1138	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
13	a	501	CLA	CAA-C2A-C3A	-2.21	106.73	112.78
16	Y	521	BCR	C2-C1-C6	2.21	113.88	110.48
16	G	4008	BCR	C20-C19-C18	-2.21	120.21	126.42
16	t	522	BCR	C23-C24-C25	-2.21	121.00	127.20
13	3	501	CLA	CAA-C2A-C3A	-2.21	106.73	112.78
16	s	524	BCR	C1-C6-C5	-2.21	119.50	122.61
16	J	4012	BCR	C1-C6-C7	2.21	122.02	115.78
13	H	1212	CLA	O2D-CGD-CBD	2.21	115.19	111.27
13	4	502	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
16	W	4021	BCR	C30-C25-C24	2.21	122.02	115.78
13	G	1115	CLA	C4-C3-C5	2.21	118.98	115.27
13	d	501	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
13	e	1101	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
13	l	1302	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
16	A	4008	BCR	C20-C19-C18	-2.21	120.22	126.42
16	q	523	BCR	C11-C10-C9	-2.21	124.16	127.31
13	b	502	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
18	q	902	LMU	C1'-C2'-C3'	2.20	114.59	110.00
13	l	1303	CLA	C2A-C1A-CHA	2.20	127.71	123.86
16	M	4021	BCR	C30-C25-C24	2.20	122.01	115.78
13	T	1302	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
13	Z	502	CLA	CAA-C2A-C3A	-2.20	106.74	112.78
13	B	1212	CLA	O2D-CGD-CBD	2.20	115.18	111.27
13	s	508	CLA	CHD-C1D-ND	-2.20	122.43	124.45
13	r	502	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
13	B	1234	CLA	C3A-C2A-C1A	2.20	104.64	101.34
13	s	501	CLA	CAA-C2A-C3A	-2.20	106.75	112.78
19	J	5104	LMG	O3-C3-C2	-2.20	105.26	110.35
13	f	1219	CLA	CHB-C4A-NA	2.20	127.56	124.51
16	3	524	BCR	C1-C6-C5	-2.20	119.51	122.61
13	a	508	CLA	CHD-C1D-ND	-2.20	122.43	124.45
13	T	1303	CLA	C2A-C1A-CHA	2.20	127.71	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	J	1302	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
13	4	509	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
13	6	516	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
13	G	1134	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
13	e	1120	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
13	G	1128	CLA	O2D-CGD-CBD	2.20	115.18	111.27
13	H	1012	CLA	O2D-CGD-CBD	2.20	115.18	111.27
13	e	1140	CLA	CHB-C4A-NA	2.20	127.56	124.51
16	n	4020	BCR	C33-C5-C6	-2.20	122.06	124.53
16	o	4021	BCR	C30-C25-C24	2.20	122.00	115.78
16	l	521	BCR	C2-C1-C6	2.20	113.87	110.48
16	A	4002	BCR	C23-C24-C25	-2.20	121.02	127.20
16	b	522	BCR	C23-C24-C25	-2.20	121.03	127.20
16	6	523	BCR	C34-C9-C8	2.20	121.54	118.08
13	e	1140	CLA	CHA-C1A-NA	-2.20	121.36	126.40
16	f	4006	BCR	C21-C20-C19	-2.20	116.36	123.22
16	e	4002	BCR	C38-C26-C25	-2.20	122.06	124.53
13	a	509	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
13	a	509	CLA	C2A-C1A-CHA	2.20	127.70	123.86
13	e	1104	CLA	O1D-CGD-CBD	2.20	128.98	124.48
13	B	1204	CLA	CHD-C1D-ND	-2.20	122.43	124.45
13	R	1302	CLA	CMB-C2B-C3B	2.20	128.79	124.68
13	a	502	CLA	CAA-C2A-C3A	-2.20	106.76	112.78
13	5	510	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
13	G	1120	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
13	d	502	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
13	B	1012	CLA	C4-C3-C5	2.20	118.97	115.27
13	G	1138	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
13	6	502	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
13	s	509	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
16	l	4012	BCR	C1-C6-C7	2.20	121.99	115.78
16	c	522	BCR	C30-C25-C26	-2.20	119.52	122.61
16	f	4010	BCR	C20-C19-C18	-2.20	120.25	126.42
13	q	502	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
16	q	523	BCR	C37-C22-C23	2.20	121.54	118.08
16	f	4006	BCR	C28-C27-C26	-2.20	110.16	114.08
13	d	518	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
13	e	1123	CLA	O2D-CGD-CBD	2.20	115.17	111.27
13	3	509	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
13	c	504	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
13	f	1229	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
16	f	4014	BCR	C15-C14-C13	-2.20	124.18	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	q	902	LMU	C4'-C3'-C2'	2.20	114.66	110.82
16	f	4010	BCR	C11-C12-C13	-2.19	120.25	126.42
13	G	1104	CLA	O1D-CGD-CBD	2.19	128.97	124.48
16	G	4002	BCR	C23-C24-C25	-2.19	121.04	127.20
16	q	521	BCR	C2-C1-C6	2.19	113.86	110.48
16	a	524	BCR	C1-C6-C5	-2.19	119.52	122.61
13	A	1140	CLA	CHB-C4A-NA	2.19	127.55	124.51
16	B	4010	BCR	C20-C19-C18	-2.19	120.25	126.42
16	e	4002	BCR	C23-C24-C25	-2.19	121.04	127.20
13	H	1219	CLA	CHB-C4A-NA	2.19	127.54	124.51
16	A	4001	BCR	C8-C7-C6	-2.19	121.04	127.20
13	u	504	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
17	G	5005	LHG	C27-C26-C25	-2.19	103.30	114.42
13	J	1303	CLA	O2D-CGD-CBD	2.19	115.16	111.27
13	4	518	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
16	G	4001	BCR	C8-C7-C6	-2.19	121.05	127.20
13	v	518	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
13	3	502	CLA	CAA-C2A-C3A	-2.19	106.78	112.78
13	t	518	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
16	v	524	BCR	C21-C20-C19	-2.19	116.38	123.22
16	B	4014	BCR	C15-C14-C13	-2.19	124.18	127.31
13	4	508	CLA	C2D-C1D-ND	-2.19	108.49	110.10
13	1	502	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
13	G	1140	CLA	CHB-C4A-NA	2.19	127.54	124.51
13	b	518	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
19	l	5104	LMG	O3-C3-C2	-2.19	105.29	110.35
13	H	1234	CLA	C3A-C2A-C1A	2.19	104.62	101.34
16	1	523	BCR	C37-C22-C23	2.19	121.53	118.08
13	d	508	CLA	O2A-CGA-O1A	-2.19	117.84	123.30
13	A	1237	CLA	CAC-C3C-C4C	2.19	127.65	124.81
13	4	511	CLA	C2D-C1D-ND	-2.19	108.49	110.10
16	e	4008	BCR	C20-C19-C18	-2.19	120.27	126.42
17	e	5005	LHG	C27-C26-C25	-2.19	103.31	114.42
13	5	502	CLA	CMB-C2B-C3B	2.19	128.77	124.68
13	1	516	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
13	s	502	CLA	CAA-C2A-C3A	-2.19	106.79	112.78
20	H	1852	SQD	O48-C23-C24	2.19	118.77	111.91
20	B	1852	SQD	O48-C23-C24	2.19	118.77	111.91
13	c	502	CLA	CMB-C2B-C3B	2.19	128.77	124.68
13	H	1229	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
13	J	1303	CLA	C2A-C1A-CHA	2.19	127.68	123.86
13	5	504	CLA	C1B-CHB-C4A	-2.19	125.78	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1012	CLA	C4-C3-C5	2.19	118.95	115.27
17	A	5005	LHG	C27-C26-C25	-2.19	103.32	114.42
13	4	512	CLA	C1B-CHB-C4A	-2.19	125.79	130.12
13	6	518	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
13	Y	509	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
13	c	510	CLA	C1B-CHB-C4A	-2.19	125.79	130.12
13	T	1303	CLA	O2D-CGD-CBD	2.19	115.15	111.27
13	t	502	CLA	C1B-CHB-C4A	-2.19	125.79	130.12
13	v	502	CLA	C1B-CHB-C4A	-2.19	125.79	130.12
13	A	1104	CLA	O1D-CGD-CBD	2.19	128.96	124.48
16	a	524	BCR	C21-C20-C19	-2.19	116.40	123.22
13	A	1022	CLA	C4D-C3D-CAD	-2.18	105.52	108.10
16	3	524	BCR	C37-C22-C23	2.18	121.52	118.08
13	R	1301	CLA	C1B-CHB-C4A	-2.18	125.79	130.12
16	G	4002	BCR	C38-C26-C25	-2.18	122.08	124.53
16	H	4010	BCR	C20-C19-C18	-2.18	120.28	126.42
16	v	523	BCR	C34-C9-C8	2.18	121.52	118.08
16	e	4001	BCR	C8-C7-C6	-2.18	121.07	127.20
13	A	1135	CLA	O2D-CGD-CBD	2.18	115.14	111.27
13	H	1204	CLA	CHD-C1D-ND	-2.18	122.45	124.45
13	B	1229	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
13	q	516	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
16	d	523	BCR	C34-C9-C8	2.18	121.51	118.08
13	6	508	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
17	e	5001	LHG	C27-C26-C25	-2.18	103.35	114.42
13	e	1022	CLA	C4D-C3D-CAD	-2.18	105.53	108.10
20	f	1852	SQD	O48-C23-C24	2.18	118.75	111.91
16	L	4020	BCR	C33-C5-C6	-2.18	122.08	124.53
13	f	1236	CLA	O2D-CGD-CBD	2.18	115.14	111.27
13	L	1501	CLA	C2A-C1A-CHA	2.18	127.67	123.86
13	A	1118	CLA	C2A-C1A-CHA	2.18	127.67	123.86
13	b	503	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
13	f	1021	CLA	C2A-C1A-CHA	2.18	127.67	123.86
13	q	509	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
16	3	524	BCR	C21-C20-C19	-2.18	116.42	123.22
16	6	524	BCR	C21-C20-C19	-2.18	116.42	123.22
16	d	524	BCR	C21-C20-C19	-2.18	116.42	123.22
13	A	1011	CLA	CHA-C1A-NA	-2.18	121.41	126.40
16	B	4006	BCR	C28-C27-C26	-2.18	110.19	114.08
13	e	1011	CLA	CHA-C1A-NA	-2.18	121.41	126.40
16	H	4006	BCR	C28-C27-C26	-2.18	110.19	114.08
13	e	1118	CLA	C2A-C1A-CHA	2.18	127.67	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1222	CLA	CHD-C1D-ND	-2.18	122.45	124.45
16	H	4010	BCR	C11-C12-C13	-2.18	120.30	126.42
16	V	4019	BCR	C10-C11-C12	-2.18	116.42	123.22
17	G	5001	LHG	C27-C26-C25	-2.18	103.37	114.42
13	A	1120	CLA	C1B-CHB-C4A	-2.18	125.81	130.12
13	u	502	CLA	CMB-C2B-C3B	2.18	128.75	124.68
16	B	4010	BCR	C11-C12-C13	-2.18	120.30	126.42
13	e	1135	CLA	O2D-CGD-CBD	2.18	115.14	111.27
13	G	1123	CLA	CHA-C1A-NA	-2.18	121.41	126.40
13	H	1021	CLA	C2A-C1A-CHA	2.18	127.67	123.86
13	3	503	CLA	C2D-C1D-ND	-2.18	108.50	110.10
13	l	509	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
16	a	524	BCR	C37-C22-C23	2.18	121.51	118.08
16	Z	522	BCR	C23-C24-C25	-2.18	121.09	127.20
13	H	1210	CLA	C3A-C2A-C1A	2.18	104.60	101.34
13	G	1117	CLA	C3C-C4C-NC	-2.18	108.13	110.57
16	s	524	BCR	C21-C20-C19	-2.18	116.43	123.22
17	A	5001	LHG	C27-C26-C25	-2.18	103.38	114.42
16	L	4019	BCR	C40-C30-C25	-2.18	106.77	110.30
13	H	1223	CLA	C1B-CHB-C4A	-2.17	125.81	130.12
13	B	1222	CLA	CAA-C2A-C3A	-2.17	106.82	112.78
13	f	1222	CLA	CAA-C2A-C3A	-2.17	106.82	112.78
13	f	1226	CLA	O2A-CGA-O1A	-2.17	118.10	123.59
16	s	524	BCR	C37-C22-C23	2.17	121.50	118.08
13	B	1021	CLA	C2A-C1A-CHA	2.17	127.66	123.86
13	G	1237	CLA	CAC-C3C-C4C	2.17	127.63	124.81
16	n	4019	BCR	C40-C30-C25	-2.17	106.77	110.30
16	s	523	BCR	C3-C4-C5	-2.17	110.20	114.08
13	A	1123	CLA	CHA-C1A-NA	-2.17	121.42	126.40
13	b	503	CLA	CHD-C1D-ND	-2.17	122.46	124.45
13	b	512	CLA	C1B-CHB-C4A	-2.17	125.81	130.12
16	L	4019	BCR	C10-C11-C12	-2.17	116.44	123.22
16	V	4020	BCR	C33-C5-C6	-2.17	122.09	124.53
16	H	4014	BCR	C15-C14-C13	-2.17	124.21	127.31
13	e	1123	CLA	CHA-C1A-NA	-2.17	121.42	126.40
13	3	508	CLA	CHD-C1D-ND	-2.17	122.46	124.45
13	v	508	CLA	O2A-CGA-O1A	-2.17	117.89	123.30
16	l	521	BCR	C29-C30-C25	2.17	113.82	110.48
17	A	5008	LHG	C27-C26-C25	-2.17	103.40	114.42
13	a	504	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
16	V	4019	BCR	C40-C30-C25	-2.17	106.78	110.30
16	4	521	BCR	C20-C19-C18	-2.17	120.32	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	W	4021	BCR	C36-C18-C19	2.17	121.50	118.08
13	t	512	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
16	Y	521	BCR	C29-C30-C25	2.17	113.82	110.48
17	G	5008	LHG	C27-C26-C25	-2.17	103.41	114.42
13	F	1301	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
18	l	902	LMU	C4'-C3'-C2'	2.17	114.61	110.82
13	e	1137	CLA	C2A-C1A-CHA	2.17	127.65	123.86
13	4	517	CLA	C2A-C1A-CHA	2.17	127.65	123.86
13	G	1130	CLA	C1-C2-C3	-2.17	122.29	126.04
13	H	1226	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
13	B	1226	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
13	e	1139	CLA	CHB-C4A-NA	2.17	127.51	124.51
13	l	1303	CLA	O2D-CGD-CBD	2.17	115.12	111.27
13	G	1022	CLA	C4D-C3D-CAD	-2.17	105.54	108.10
16	Y	523	BCR	C7-C8-C9	-2.17	122.96	126.23
13	m	1105	CLA	CAC-C3C-C2C	2.17	131.24	127.53
16	l	523	BCR	C11-C10-C9	-2.17	124.22	127.31
13	f	1222	CLA	CHD-C1D-ND	-2.17	122.46	124.45
13	G	1121	CLA	C1-C2-C3	-2.17	122.30	126.04
13	e	1237	CLA	CAC-C3C-C4C	2.17	127.62	124.81
17	e	5008	LHG	C27-C26-C25	-2.17	103.43	114.42
13	G	1118	CLA	C2A-C1A-CHA	2.17	127.65	123.86
13	G	1104	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
13	u	509	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
13	u	511	CLA	C1B-CHB-C4A	-2.17	125.83	130.12
16	Y	523	BCR	C37-C22-C23	2.17	121.49	118.08
13	G	1135	CLA	O2D-CGD-CBD	2.17	115.12	111.27
13	Y	502	CLA	C1B-CHB-C4A	-2.17	125.83	130.12
13	Y	516	CLA	C1B-CHB-C4A	-2.17	125.83	130.12
13	s	504	CLA	C1B-CHB-C4A	-2.16	125.83	130.12
16	2	522	BCR	C23-C24-C25	-2.16	121.12	127.20
16	a	524	BCR	C27-C26-C25	-2.16	119.59	122.73
13	H	1222	CLA	CAA-C2A-C3A	-2.16	106.85	112.78
13	b	517	CLA	C2A-C1A-CHA	2.16	127.64	123.86
16	r	522	BCR	C23-C24-C25	-2.16	121.12	127.20
16	3	524	BCR	C27-C26-C25	-2.16	119.59	122.73
16	n	4019	BCR	C10-C11-C12	-2.16	116.47	123.22
13	A	1121	CLA	C1-C2-C3	-2.16	122.30	126.04
13	G	1011	CLA	CHA-C1A-NA	-2.16	121.44	126.40
13	4	503	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
13	H	1224	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
13	f	1208	CLA	CHD-C1D-ND	-2.16	122.47	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	e	1130	CLA	C1-C2-C3	-2.16	122.30	126.04
13	5	509	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
16	Y	523	BCR	C36-C18-C19	2.16	121.48	118.08
13	A	1137	CLA	C2A-C1A-CHA	2.16	127.64	123.86
13	H	1239	CLA	C11-C10-C8	-2.16	108.93	115.92
16	t	521	BCR	C20-C19-C18	-2.16	120.34	126.42
16	Y	522	BCR	C27-C26-C25	-2.16	119.59	122.73
13	A	1130	CLA	C1-C2-C3	-2.16	122.30	126.04
16	f	4009	BCR	C1-C6-C5	-2.16	119.57	122.61
16	a	523	BCR	C3-C4-C5	-2.16	110.22	114.08
16	Y	523	BCR	C11-C10-C9	-2.16	124.23	127.31
13	n	1501	CLA	C2A-C1A-CHA	2.16	127.64	123.86
13	e	1117	CLA	C3C-C4C-NC	-2.16	108.15	110.57
13	j	1301	CLA	C1B-CHB-C4A	-2.16	125.84	130.12
13	c	503	CLA	CHD-C1D-ND	-2.16	122.47	124.45
13	3	504	CLA	C1B-CHB-C4A	-2.16	125.84	130.12
13	G	1130	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
13	f	1224	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
13	H	1023	CLA	CMD-C2D-C3D	2.16	132.58	127.61
13	A	1104	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
13	V	1501	CLA	C2A-C1A-CHA	2.16	127.63	123.86
13	e	1011	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
13	B	1236	CLA	O2D-CGD-CBD	2.16	115.10	111.27
16	H	4009	BCR	C1-C6-C5	-2.16	119.57	122.61
16	M	4021	BCR	C36-C18-C19	2.16	121.48	118.08
13	c	502	CLA	CAA-C2A-C3A	-2.16	106.87	112.78
13	K	1105	CLA	CAC-C3C-C2C	2.16	131.22	127.53
13	4	503	CLA	CHD-C1D-ND	-2.16	122.47	124.45
16	3	523	BCR	C3-C4-C5	-2.16	110.23	114.08
13	e	1111	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
13	f	1223	CLA	C1B-CHB-C4A	-2.16	125.85	130.12
13	B	1239	CLA	C11-C10-C8	-2.16	108.95	115.92
16	3	523	BCR	C36-C18-C19	2.16	121.47	118.08
16	f	4014	BCR	C31-C1-C6	-2.16	106.80	110.30
16	b	521	BCR	C20-C19-C18	-2.16	120.36	126.42
17	B	1855	LHG	C27-C26-C25	-2.16	103.48	114.42
13	U	1401	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
16	1	523	BCR	C7-C8-C9	-2.16	122.98	126.23
20	5	822	SQD	O6-C1-C2	2.16	111.67	108.30
16	G	4003	BCR	C16-C15-C14	-2.15	119.06	123.47
13	e	1130	CLA	CHD-C1D-ND	-2.15	122.47	124.45
17	f	1855	LHG	C27-C26-C25	-2.15	103.49	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	f	1240	CLA	O1D-CGD-CBD	2.15	128.89	124.48
13	A	1011	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
13	f	1239	CLA	O2D-CGD-CBD	2.15	115.10	111.27
13	G	1101	CLA	CAA-CBA-CGA	-2.15	106.96	113.25
13	Y	508	CLA	CHC-C1C-NC	2.15	127.47	124.20
13	B	1224	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
16	A	4003	BCR	C16-C15-C14	-2.15	119.06	123.47
16	t	522	BCR	C30-C25-C26	-2.15	119.58	122.61
13	b	508	CLA	O2A-CGA-O1A	-2.15	117.93	123.30
13	t	508	CLA	C2D-C1D-ND	-2.15	108.52	110.10
17	H	1855	LHG	C27-C26-C25	-2.15	103.49	114.42
16	J	4012	BCR	C10-C11-C12	-2.15	116.50	123.22
16	b	524	BCR	C15-C16-C17	-2.15	119.06	123.47
13	G	1011	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
13	b	511	CLA	C2D-C1D-ND	-2.15	108.52	110.10
13	B	1023	CLA	CMD-C2D-C3D	2.15	132.56	127.61
13	G	1139	CLA	C11-C10-C8	-2.15	108.96	115.92
16	I	4018	BCR	C35-C13-C12	2.15	121.47	118.08
16	T	4012	BCR	C10-C11-C12	-2.15	116.50	123.22
13	A	1101	CLA	CAA-CBA-CGA	-2.15	106.97	113.25
16	A	4008	BCR	C30-C25-C26	-2.15	119.58	122.61
13	B	1239	CLA	O2D-CGD-CBD	2.15	115.09	111.27
13	f	1234	CLA	CAA-C2A-C3A	-2.15	106.89	112.78
13	c	509	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
13	B	1223	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
13	H	1213	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
13	a	502	CLA	C2A-C1A-CHA	2.15	127.62	123.86
13	B	1208	CLA	CHD-C1D-ND	-2.15	122.48	124.45
13	u	502	CLA	CAA-C2A-C3A	-2.15	106.89	112.78
13	f	1239	CLA	C11-C10-C8	-2.15	108.97	115.92
16	l	4012	BCR	C10-C11-C12	-2.15	116.51	123.22
18	Y	902	LMU	C4'-C3'-C2'	2.15	114.58	110.82
13	e	1104	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
13	G	1140	CLA	CAA-C2A-C1A	2.15	119.02	111.97
13	b	508	CLA	C2D-C1D-ND	-2.15	108.52	110.10
13	e	1117	CLA	C2D-C1D-ND	-2.15	108.52	110.10
13	G	1137	CLA	C2A-C1A-CHA	2.15	127.62	123.86
13	e	1112	CLA	O2D-CGD-CBD	2.15	115.09	111.27
13	U	1103	CLA	CHD-C1D-ND	-2.15	122.48	124.45
13	e	1101	CLA	CAA-CBA-CGA	-2.15	106.97	113.25
13	a	509	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
20	c	822	SQD	O6-C1-C2	2.15	111.66	108.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	s	524	BCR	C27-C26-C25	-2.15	119.61	122.73
13	K	1401	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
13	5	502	CLA	CAA-C2A-C3A	-2.15	106.90	112.78
16	t	522	BCR	C11-C10-C9	-2.15	124.25	127.31
13	H	1234	CLA	CAA-C2A-C3A	-2.15	106.90	112.78
17	A	5002	LHG	C11-C10-C9	-2.15	103.52	114.42
13	H	1206	CLA	O1D-CGD-CBD	2.15	128.88	124.48
13	f	1023	CLA	CMD-C2D-C3D	2.15	132.55	127.61
16	B	4014	BCR	C31-C1-C6	-2.15	106.82	110.30
13	B	1234	CLA	CAA-C2A-C3A	-2.15	106.90	112.78
13	G	1111	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
13	e	1140	CLA	CAA-C2A-C1A	2.15	119.01	111.97
13	t	517	CLA	C2A-C1A-CHA	2.15	127.61	123.86
16	A	4011	BCR	C29-C30-C25	2.15	113.79	110.48
13	e	1139	CLA	C11-C10-C8	-2.15	108.98	115.92
17	G	5002	LHG	C11-C10-C9	-2.15	103.53	114.42
16	2	523	BCR	C16-C15-C14	-2.15	119.08	123.47
20	u	822	SQD	O6-C1-C2	2.15	111.65	108.30
13	v	509	CLA	C1B-CHB-C4A	-2.15	125.87	130.12
13	l	508	CLA	CHC-C1C-NC	2.15	127.46	124.20
16	4	524	BCR	C15-C16-C17	-2.15	119.08	123.47
13	t	503	CLA	CHD-C1D-ND	-2.15	122.48	124.45
13	A	1139	CLA	C11-C10-C8	-2.15	108.98	115.92
13	s	502	CLA	C2A-C1A-CHA	2.15	127.61	123.86
16	r	523	BCR	C16-C15-C14	-2.15	119.08	123.47
13	G	1110	CLA	CAA-CBA-CGA	-2.15	106.98	113.25
16	S	4018	BCR	C35-C13-C12	2.15	121.46	118.08
16	a	523	BCR	C36-C18-C19	2.15	121.46	118.08
13	e	1130	CLA	O2A-CGA-O1A	-2.15	118.18	123.59
13	t	503	CLA	O2A-CGA-O1A	-2.15	118.18	123.59
13	c	511	CLA	C1B-CHB-C4A	-2.15	125.87	130.12
13	f	1221	CLA	CHA-C1A-NA	-2.14	121.49	126.40
13	G	1130	CLA	CHD-C1D-ND	-2.14	122.48	124.45
13	A	1140	CLA	CAA-C2A-C1A	2.14	119.00	111.97
17	S	5001	LHG	C27-C26-C25	-2.14	103.54	114.42
16	q	523	BCR	C7-C8-C9	-2.14	123.00	126.23
16	e	4003	BCR	C16-C15-C14	-2.14	119.08	123.47
16	s	522	BCR	C23-C24-C25	-2.14	121.18	127.20
16	B	4009	BCR	C1-C6-C5	-2.14	119.59	122.61
16	S	4018	BCR	C10-C11-C12	-2.14	116.53	123.22
13	H	1239	CLA	O2A-CGA-O1A	-2.14	118.18	123.59
13	4	508	CLA	O2A-CGA-O1A	-2.14	117.96	123.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	c	523	BCR	C23-C24-C25	-2.14	121.18	127.20
16	t	524	BCR	C15-C16-C17	-2.14	119.08	123.47
13	6	501	CLA	C1-C2-C3	-2.14	122.34	126.04
13	3	510	CLA	C1B-CHB-C4A	-2.14	125.87	130.12
13	d	509	CLA	C1B-CHB-C4A	-2.14	125.87	130.12
16	u	523	BCR	C23-C24-C25	-2.14	121.19	127.20
16	Z	523	BCR	C16-C15-C14	-2.14	119.09	123.47
13	c	507	CLA	O2A-CGA-O1A	-2.14	117.96	123.30
17	e	5002	LHG	C11-C10-C9	-2.14	103.55	114.42
13	v	503	CLA	C2A-C1A-CHA	2.14	127.60	123.86
16	A	4002	BCR	C38-C26-C25	-2.14	122.12	124.53
13	t	508	CLA	O2A-CGA-O1A	-2.14	117.96	123.30
13	e	1121	CLA	C1-C2-C3	-2.14	122.34	126.04
13	s	510	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
13	A	1110	CLA	CAA-CBA-CGA	-2.14	107.00	113.25
13	B	1222	CLA	CHD-C1D-ND	-2.14	122.49	124.45
16	k	4018	BCR	C35-C13-C12	2.14	121.45	118.08
13	T	1302	CLA	O2D-CGD-CBD	2.14	115.07	111.27
13	A	1139	CLA	CHB-C4A-NA	2.14	127.47	124.51
13	Z	512	CLA	CHB-C4A-NA	2.14	127.47	124.51
13	3	502	CLA	C2A-C1A-CHA	2.14	127.60	123.86
13	f	1206	CLA	O1D-CGD-CBD	2.14	128.86	124.48
16	e	4011	BCR	C29-C30-C25	2.14	113.78	110.48
13	e	1110	CLA	CAA-CBA-CGA	-2.14	107.00	113.25
13	A	1130	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
17	V	5221	LHG	C18-C17-C16	-2.14	103.56	114.42
13	A	1117	CLA	C2D-C1D-ND	-2.14	108.53	110.10
16	f	4004	BCR	C10-C11-C12	-2.14	116.54	123.22
16	k	4018	BCR	C10-C11-C12	-2.14	116.54	123.22
17	I	5001	LHG	C27-C26-C25	-2.14	103.56	114.42
16	q	521	BCR	C29-C30-C25	2.14	113.78	110.48
13	A	1111	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
13	a	510	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
13	f	1239	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
17	n	5221	LHG	C18-C17-C16	-2.14	103.57	114.42
16	s	523	BCR	C36-C18-C19	2.14	121.45	118.08
17	L	5221	LHG	C18-C17-C16	-2.14	103.57	114.42
13	d	501	CLA	C1-C2-C3	-2.14	122.34	126.04
16	I	4018	BCR	C10-C11-C12	-2.14	116.54	123.22
16	H	4004	BCR	C10-C11-C12	-2.14	116.54	123.22
13	H	1240	CLA	O1D-CGD-CBD	2.14	128.86	124.48
16	5	523	BCR	C23-C24-C25	-2.14	121.20	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	517	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
16	B	4004	BCR	C10-C11-C12	-2.14	116.55	123.22
16	q	522	BCR	C27-C26-C25	-2.14	119.63	122.73
16	3	524	BCR	C38-C26-C27	2.14	117.72	113.62
13	B	1221	CLA	CHA-C1A-NA	-2.14	121.50	126.40
16	1	523	BCR	C36-C18-C19	2.14	121.44	118.08
16	d	522	BCR	C36-C18-C19	2.14	121.44	118.08
16	o	4021	BCR	C36-C18-C19	2.14	121.44	118.08
13	A	1130	CLA	CHD-C1D-ND	-2.14	122.49	124.45
13	G	1119	CLA	CHD-C1D-ND	-2.14	122.49	124.45
16	b	522	BCR	C11-C10-C9	-2.14	124.26	127.31
13	U	1105	CLA	CAC-C3C-C2C	2.14	131.18	127.53
13	q	508	CLA	CHC-C1C-NC	2.14	127.44	124.20
13	m	1401	CLA	O2A-CGA-O1A	-2.14	118.20	123.59
16	f	4009	BCR	C19-C18-C17	-2.14	115.66	118.94
13	H	1239	CLA	O2D-CGD-CBD	2.14	115.06	111.27
13	B	1206	CLA	O1D-CGD-CBD	2.14	128.86	124.48
13	6	509	CLA	C1B-CHB-C4A	-2.14	125.89	130.12
16	Y	524	BCR	C3-C4-C5	-2.14	110.26	114.08
13	A	1117	CLA	C3C-C4C-NC	-2.14	108.17	110.57
13	J	1302	CLA	O2D-CGD-CBD	2.14	115.06	111.27
13	2	512	CLA	CHB-C4A-NA	2.14	127.47	124.51
13	B	1213	CLA	C1B-CHB-C4A	-2.14	125.89	130.12
16	B	4009	BCR	C19-C18-C17	-2.14	115.66	118.94
16	e	4008	BCR	C30-C25-C26	-2.14	119.61	122.61
13	l	1302	CLA	O2D-CGD-CBD	2.14	115.06	111.27
17	A	5001	LHG	C18-C17-C16	-2.14	103.59	114.42
17	G	5001	LHG	C18-C17-C16	-2.14	103.59	114.42
13	f	1213	CLA	O2A-CGA-O1A	-2.13	118.20	123.59
13	Y	503	CLA	C2A-C1A-CHA	2.13	127.59	123.86
13	G	1139	CLA	CHB-C4A-NA	2.13	127.46	124.51
16	a	523	BCR	C1-C6-C5	-2.13	119.61	122.61
16	B	4009	BCR	C28-C27-C26	-2.13	110.27	114.08
13	G	1104	CLA	CHD-C1D-ND	-2.13	122.49	124.45
13	v	516	CLA	CHD-C1D-ND	-2.13	122.49	124.45
16	d	524	BCR	C37-C22-C23	2.13	121.44	118.08
16	t	523	BCR	C16-C15-C14	-2.13	119.10	123.47
13	B	1240	CLA	O1D-CGD-CBD	2.13	128.85	124.48
13	H	1213	CLA	C2A-C1A-CHA	2.13	127.59	123.86
13	q	503	CLA	C2A-C1A-CHA	2.13	127.59	123.86
13	G	1107	CLA	O2D-CGD-CBD	2.13	115.06	111.27
13	G	1127	CLA	CAA-CBA-CGA	-2.13	107.02	113.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	u	503	CLA	CHD-C1D-ND	-2.13	122.49	124.45
17	H	1842	LHG	C27-C26-C25	-2.13	103.60	114.42
17	k	5001	LHG	C27-C26-C25	-2.13	103.60	114.42
17	e	5001	LHG	C18-C17-C16	-2.13	103.60	114.42
13	5	511	CLA	C1B-CHB-C4A	-2.13	125.89	130.12
16	H	4006	BCR	C29-C30-C25	2.13	113.76	110.48
13	B	1210	CLA	C3A-C2A-C1A	2.13	104.53	101.34
16	s	524	BCR	C38-C26-C27	2.13	117.71	113.62
18	e	1849	LMU	O5'-C1'-C2'	2.13	114.86	110.35
16	4	522	BCR	C11-C10-C9	-2.13	124.27	127.31
16	H	4006	BCR	C20-C21-C22	-2.13	124.27	127.31
13	A	1237	CLA	C11-C12-C13	-2.13	109.03	115.92
13	B	1239	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
16	2	521	BCR	C20-C19-C18	-2.13	120.43	126.42
13	f	1210	CLA	C3A-C2A-C1A	2.13	104.53	101.34
13	e	1130	CLA	C16-C15-C13	-2.13	109.03	115.92
13	3	509	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
13	5	507	CLA	O2A-CGA-O1A	-2.13	117.99	123.30
16	f	4006	BCR	C29-C30-C25	2.13	113.76	110.48
13	1	503	CLA	C2A-C1A-CHA	2.13	127.58	123.86
17	B	1842	LHG	C27-C26-C25	-2.13	103.61	114.42
13	A	1127	CLA	CAA-CBA-CGA	-2.13	107.03	113.25
13	A	1112	CLA	O2D-CGD-CBD	2.13	115.05	111.27
13	G	1237	CLA	C11-C12-C13	-2.13	109.04	115.92
17	f	1842	LHG	C27-C26-C25	-2.13	103.61	114.42
16	r	523	BCR	C37-C22-C23	2.13	121.43	118.08
16	v	522	BCR	C36-C18-C19	2.13	121.43	118.08
16	3	523	BCR	C1-C6-C5	-2.13	119.61	122.61
13	e	1237	CLA	C11-C12-C13	-2.13	109.04	115.92
16	b	524	BCR	C28-C27-C26	-2.13	110.28	114.08
16	a	524	BCR	C38-C26-C27	2.13	117.70	113.62
13	A	1119	CLA	CHD-C1D-ND	-2.13	122.50	124.45
17	e	5009	LHG	C18-C17-C16	-2.13	103.62	114.42
17	G	5009	LHG	C18-C17-C16	-2.13	103.62	114.42
13	e	1107	CLA	O2D-CGD-CBD	2.13	115.05	111.27
13	v	501	CLA	C1-C2-C3	-2.13	122.36	126.04
13	B	1213	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
16	H	4014	BCR	C31-C1-C6	-2.13	106.85	110.30
16	c	522	BCR	C21-C20-C19	-2.13	116.58	123.22
16	B	4006	BCR	C29-C30-C25	2.13	113.76	110.48
17	A	5009	LHG	C18-C17-C16	-2.13	103.62	114.42
13	H	1221	CLA	CHA-C1A-NA	-2.13	121.53	126.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1240	CLA	C1-C2-C3	-2.13	122.36	126.04
16	Z	521	BCR	C20-C19-C18	-2.13	120.44	126.42
16	1	522	BCR	C27-C26-C25	-2.13	119.64	122.73
13	s	509	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
13	A	1237	CLA	C2D-C1D-ND	-2.13	108.54	110.10
13	e	1104	CLA	CHD-C1D-ND	-2.13	122.50	124.45
13	H	1225	CLA	C1-C2-C3	-2.13	122.37	126.04
13	c	512	CLA	C1B-CHB-C4A	-2.13	125.91	130.12
16	f	4009	BCR	C28-C27-C26	-2.13	110.28	114.08
13	A	1131	CLA	O2A-CGA-O1A	-2.13	118.23	123.59
16	6	524	BCR	C37-C22-C23	2.13	121.43	118.08
13	r	512	CLA	CHB-C4A-NA	2.13	127.45	124.51
13	G	1130	CLA	C16-C15-C13	-2.13	109.05	115.92
13	A	1107	CLA	O2D-CGD-CBD	2.12	115.04	111.27
16	G	4008	BCR	C30-C25-C26	-2.12	119.62	122.61
13	t	507	CLA	CAA-C2A-C3A	-2.12	106.96	112.78
13	a	516	CLA	O2A-CGA-O1A	-2.12	118.00	123.30
13	B	1225	CLA	C1-C2-C3	-2.12	122.37	126.04
16	4	524	BCR	C28-C27-C26	-2.12	110.28	114.08
13	f	1203	CLA	O1D-CGD-CBD	2.12	128.83	124.48
13	4	517	CLA	C1B-CHB-C4A	-2.12	125.91	130.12
16	b	522	BCR	C30-C25-C26	-2.12	119.62	122.61
16	B	4009	BCR	C20-C21-C22	-2.12	124.28	127.31
13	e	1127	CLA	CAA-CBA-CGA	-2.12	107.05	113.25
13	s	513	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
13	H	1236	CLA	O2D-CGD-CBD	2.12	115.04	111.27
16	H	4009	BCR	C20-C21-C22	-2.12	124.28	127.31
13	6	516	CLA	CHD-C1D-ND	-2.12	122.50	124.45
16	G	4011	BCR	C29-C30-C25	2.12	113.75	110.48
13	A	1139	CLA	O2D-CGD-CBD	2.12	115.04	111.27
16	4	523	BCR	C16-C15-C14	-2.12	119.13	123.47
13	t	517	CLA	C1B-CHB-C4A	-2.12	125.91	130.12
13	5	503	CLA	CHD-C1D-ND	-2.12	122.50	124.45
13	G	1131	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
16	u	523	BCR	C24-C23-C22	-2.12	123.03	126.23
13	A	1130	CLA	C16-C15-C13	-2.12	109.06	115.92
16	B	4006	BCR	C20-C21-C22	-2.12	124.28	127.31
13	4	507	CLA	CAA-C2A-C3A	-2.12	106.97	112.78
17	G	5004	LHG	C27-C26-C25	-2.12	103.66	114.42
16	J	4012	BCR	C23-C24-C25	-2.12	121.25	127.20
13	H	1213	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
13	e	1131	CLA	O2A-CGA-O1A	-2.12	118.24	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	G	1237	CLA	C2D-C1D-ND	-2.12	108.54	110.10
13	d	516	CLA	CHD-C1D-ND	-2.12	122.50	124.45
13	f	1235	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
16	q	523	BCR	C36-C18-C19	2.12	121.42	118.08
16	c	523	BCR	C24-C23-C22	-2.12	123.03	126.23
16	4	522	BCR	C30-C25-C26	-2.12	119.63	122.61
13	H	1240	CLA	C1-C2-C3	-2.12	122.38	126.04
16	l	4013	BCR	C4-C5-C6	-2.12	119.65	122.73
16	1	524	BCR	C3-C4-C5	-2.12	110.29	114.08
13	f	1226	CLA	CHD-C1D-C2D	2.12	129.93	125.48
13	u	507	CLA	O2A-CGA-O1A	-2.12	118.02	123.30
18	A	1849	LMU	O5'-C1'-C2'	2.12	114.83	110.35
13	H	1220	CLA	CHD-C1D-ND	-2.12	122.51	124.45
13	B	1203	CLA	O1D-CGD-CBD	2.12	128.82	124.48
16	r	522	BCR	C30-C25-C26	-2.12	119.63	122.61
13	e	1139	CLA	O2D-CGD-CBD	2.12	115.03	111.27
13	f	1021	CLA	CHB-C4A-NA	2.12	127.44	124.51
16	u	522	BCR	C21-C20-C19	-2.12	116.61	123.22
16	r	524	BCR	C1-C6-C5	-2.12	119.63	122.61
16	f	4009	BCR	C20-C21-C22	-2.12	124.29	127.31
16	5	522	BCR	C21-C20-C19	-2.12	116.61	123.22
13	B	1235	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
16	r	521	BCR	C20-C19-C18	-2.12	120.47	126.42
16	f	4004	BCR	C34-C9-C8	2.12	121.41	118.08
13	2	504	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
13	G	1112	CLA	O2D-CGD-CBD	2.12	115.03	111.27
16	R	4016	BCR	C20-C21-C22	-2.12	124.29	127.31
16	H	4009	BCR	C19-C18-C17	-2.12	115.69	118.94
16	q	524	BCR	C3-C4-C5	-2.12	110.30	114.08
13	B	1204	CLA	C11-C10-C8	-2.12	109.08	115.92
13	G	1136	CLA	O1D-CGD-CBD	2.12	128.81	124.48
13	H	1203	CLA	O1D-CGD-CBD	2.12	128.81	124.48
13	f	1219	CLA	C2D-C1D-ND	-2.12	108.55	110.10
16	3	522	BCR	C23-C24-C25	-2.12	121.26	127.20
16	T	4015	BCR	C10-C11-C12	-2.12	116.62	123.22
16	l	4012	BCR	C23-C24-C25	-2.11	121.26	127.20
13	f	1021	CLA	O2A-CGA-O1A	-2.11	118.25	123.59
13	f	1240	CLA	C1-C2-C3	-2.11	122.39	126.04
13	5	512	CLA	C1B-CHB-C4A	-2.11	125.93	130.12
13	b	507	CLA	CAA-C2A-C3A	-2.11	106.99	112.78
16	t	522	BCR	C21-C20-C19	-2.11	116.62	123.22
13	G	1139	CLA	O2D-CGD-CBD	2.11	115.02	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	A	1118	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
13	A	1104	CLA	CHD-C1D-ND	-2.11	122.51	124.45
16	B	4004	BCR	C34-C9-C8	2.11	121.41	118.08
16	6	522	BCR	C36-C18-C19	2.11	121.41	118.08
13	H	1209	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
13	Z	504	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
16	j	4016	BCR	C20-C21-C22	-2.11	124.30	127.31
16	H	4009	BCR	C28-C27-C26	-2.11	110.31	114.08
17	A	5004	LHG	C27-C26-C25	-2.11	103.70	114.42
13	f	1220	CLA	C2D-C1D-ND	-2.11	108.55	110.10
13	6	503	CLA	C2A-C1A-CHA	2.11	127.55	123.86
16	a	522	BCR	C23-C24-C25	-2.11	121.27	127.20
16	b	523	BCR	C16-C15-C14	-2.11	119.15	123.47
13	A	1105	CLA	C3A-C2A-C1A	2.11	104.50	101.34
13	f	1225	CLA	C1-C2-C3	-2.11	122.39	126.04
13	B	1213	CLA	C2A-C1A-CHA	2.11	127.55	123.86
16	t	524	BCR	C28-C27-C26	-2.11	110.31	114.08
13	H	1235	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
13	f	1204	CLA	C11-C10-C8	-2.11	109.10	115.92
13	e	1118	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
16	b	522	BCR	C21-C20-C19	-2.11	116.63	123.22
13	f	1213	CLA	C1B-CHB-C4A	-2.11	125.94	130.12
16	2	523	BCR	C37-C22-C23	2.11	121.40	118.08
17	e	5004	LHG	C27-C26-C25	-2.11	103.72	114.42
13	Y	519	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
16	v	521	BCR	C16-C15-C14	-2.11	119.16	123.47
13	u	512	CLA	C1B-CHB-C4A	-2.11	125.94	130.12
16	4	522	BCR	C21-C20-C19	-2.11	116.64	123.22
13	3	513	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
13	r	518	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
16	q	523	BCR	C27-C26-C25	-2.11	119.67	122.73
20	Y	822	SQD	O48-C23-O10	-2.11	118.27	123.59
18	G	1849	LMU	O5'-C1'-C2'	2.11	114.81	110.35
13	A	1116	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
16	2	524	BCR	C1-C6-C5	-2.11	119.65	122.61
13	s	516	CLA	C1B-CHB-C4A	-2.11	125.94	130.12
13	e	1119	CLA	CHD-C1D-ND	-2.11	122.52	124.45
16	Z	523	BCR	C37-C22-C23	2.11	121.40	118.08
16	v	524	BCR	C37-C22-C23	2.11	121.40	118.08
16	5	523	BCR	C24-C23-C22	-2.11	123.05	126.23
13	H	1204	CLA	C11-C10-C8	-2.11	109.11	115.92
13	B	1219	CLA	C2D-C1D-ND	-2.11	108.55	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1023	CLA	CAA-CBA-CGA	-2.11	107.10	113.25
13	a	513	CLA	O2A-CGA-O1A	-2.11	118.28	123.59
13	G	1105	CLA	C3A-C2A-C1A	2.11	104.49	101.34
16	v	524	BCR	C10-C11-C12	-2.10	116.65	123.22
16	2	522	BCR	C30-C25-C26	-2.10	119.65	122.61
13	f	1234	CLA	C2A-C1A-CHA	2.10	127.54	123.86
16	n	4019	BCR	C21-C20-C19	-2.10	116.65	123.22
13	Z	518	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
20	1	822	SQD	O48-C23-O10	-2.10	118.28	123.59
16	s	523	BCR	C1-C6-C5	-2.10	119.65	122.61
16	H	4004	BCR	C39-C30-C25	-2.10	106.89	110.30
13	e	1116	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
16	H	4004	BCR	C29-C30-C25	2.10	113.72	110.48
13	B	1226	CLA	CHD-C1D-C2D	2.10	129.89	125.48
13	e	1105	CLA	C3A-C2A-C1A	2.10	104.49	101.34
13	2	518	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
13	e	1119	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
13	H	1224	CLA	C2A-C1A-CHA	2.10	127.53	123.86
16	J	4013	BCR	C4-C5-C6	-2.10	119.68	122.73
20	q	822	SQD	O48-C23-O10	-2.10	118.29	123.59
13	s	507	CLA	C2A-C1A-CHA	2.10	127.53	123.86
20	a	822	SQD	O47-C7-O49	-2.10	118.62	123.70
20	s	822	SQD	O47-C7-O49	-2.10	118.62	123.70
13	3	516	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
13	B	1021	CLA	CHB-C4A-NA	2.10	127.42	124.51
16	T	4012	BCR	C23-C24-C25	-2.10	121.30	127.20
13	3	507	CLA	C2A-C1A-CHA	2.10	127.53	123.86
13	m	1103	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
13	f	1213	CLA	C2A-C1A-CHA	2.10	127.53	123.86
16	Z	524	BCR	C1-C6-C5	-2.10	119.66	122.61
13	G	1118	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
16	l	4015	BCR	C10-C11-C12	-2.10	116.66	123.22
16	6	521	BCR	C16-C15-C14	-2.10	119.17	123.47
16	f	4006	BCR	C20-C21-C22	-2.10	124.31	127.31
13	A	1119	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
13	G	1119	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
13	Y	507	CLA	CHA-C1A-NA	-2.10	121.59	126.40
13	B	1209	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
13	B	1012	CLA	C11-C12-C13	-2.10	109.14	115.92
16	l	4015	BCR	C16-C15-C14	-2.10	119.18	123.47
13	B	1021	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
16	L	4019	BCR	C21-C20-C19	-2.10	116.67	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	b	503	CLA	CAA-C2A-C3A	-2.10	107.03	112.78
16	e	4007	BCR	C10-C11-C12	-2.10	116.67	123.22
13	f	1012	CLA	C11-C12-C13	-2.10	109.14	115.92
13	4	503	CLA	CAA-C2A-C3A	-2.10	107.04	112.78
16	T	4013	BCR	C4-C5-C6	-2.10	119.69	122.73
13	d	503	CLA	C2A-C1A-CHA	2.10	127.53	123.86
20	3	822	SQD	O47-C7-O49	-2.10	118.64	123.70
13	H	1023	CLA	CAA-CBA-CGA	-2.10	107.13	113.25
16	d	521	BCR	C16-C15-C14	-2.10	119.18	123.47
16	c	524	BCR	C37-C22-C23	2.10	121.38	118.08
16	J	4015	BCR	C10-C11-C12	-2.10	116.68	123.22
16	Z	522	BCR	C30-C25-C26	-2.10	119.66	122.61
16	d	524	BCR	C10-C11-C12	-2.10	116.68	123.22
13	t	503	CLA	CAA-C2A-C3A	-2.10	107.04	112.78
13	e	1122	CLA	C2D-C1D-ND	-2.10	108.56	110.10
13	G	1116	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
16	f	4004	BCR	C39-C30-C25	-2.09	106.90	110.30
13	s	516	CLA	O2A-CGA-O1A	-2.09	118.08	123.30
16	J	4015	BCR	C16-C15-C14	-2.09	119.18	123.47
13	H	1012	CLA	C11-C12-C13	-2.09	109.15	115.92
16	V	4019	BCR	C21-C20-C19	-2.09	116.68	123.22
16	r	522	BCR	C36-C18-C19	2.09	121.38	118.08
16	F	4016	BCR	C20-C21-C22	-2.09	124.32	127.31
13	U	1103	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
13	A	1801	CLA	O2D-CGD-O1D	-2.09	119.75	123.84
13	G	1801	CLA	O2D-CGD-O1D	-2.09	119.75	123.84
13	f	1215	CLA	O2D-CGD-CBD	2.09	114.99	111.27
13	r	504	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
16	H	4004	BCR	C34-C9-C8	2.09	121.37	118.08
13	A	1136	CLA	O1D-CGD-CBD	2.09	128.76	124.48
13	e	1237	CLA	CMB-C2B-C3B	2.09	128.59	124.68
13	B	1234	CLA	C2A-C1A-CHA	2.09	127.52	123.86
13	a	507	CLA	C2A-C1A-CHA	2.09	127.52	123.86
16	B	4004	BCR	C39-C30-C25	-2.09	106.91	110.30
13	H	1226	CLA	CHD-C1D-C2D	2.09	129.87	125.48
13	s	510	CLA	CHA-C1A-NA	-2.09	121.61	126.40
13	B	1220	CLA	C2D-C1D-ND	-2.09	108.56	110.10
13	G	1117	CLA	C2D-C1D-ND	-2.09	108.56	110.10
16	T	4015	BCR	C16-C15-C14	-2.09	119.19	123.47
13	3	516	CLA	C1B-CHB-C4A	-2.09	125.98	130.12
13	e	1801	CLA	O2D-CGD-O1D	-2.09	119.75	123.84
13	G	1101	CLA	CMB-C2B-C3B	2.09	128.59	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	q	505	CLA	C1-C2-C3	-2.09	122.43	126.04
13	6	507	CLA	CAA-C2A-C3A	-2.09	107.06	112.78
13	A	1101	CLA	CMB-C2B-C3B	2.09	128.59	124.68
13	1	507	CLA	CHA-C1A-NA	-2.09	121.61	126.40
13	u	503	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
13	q	507	CLA	CHA-C1A-NA	-2.09	121.61	126.40
13	A	1131	CLA	O1D-CGD-CBD	2.09	128.76	124.48
13	A	1237	CLA	CMB-C2B-C3B	2.09	128.59	124.68
20	H	1852	SQD	O47-C7-O49	-2.09	118.66	123.70
13	K	1103	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
13	q	519	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
13	d	505	CLA	C1-C2-C3	-2.09	122.43	126.04
16	G	4008	BCR	C28-C27-C26	-2.09	110.35	114.08
13	B	1224	CLA	C2A-C1A-CHA	2.09	127.51	123.86
13	G	1237	CLA	CMB-C2B-C3B	2.09	128.58	124.68
13	Z	504	CLA	CAA-C2A-C3A	-2.09	107.06	112.78
16	5	524	BCR	C37-C22-C23	2.09	121.36	118.08
13	r	504	CLA	CAA-C2A-C3A	-2.09	107.07	112.78
16	6	524	BCR	C10-C11-C12	-2.09	116.71	123.22
13	H	1219	CLA	C2D-C1D-ND	-2.09	108.57	110.10
16	2	522	BCR	C36-C18-C19	2.09	121.36	118.08
16	J	4015	BCR	C15-C16-C17	-2.09	119.20	123.47
16	A	4007	BCR	C10-C11-C12	-2.09	116.71	123.22
13	v	507	CLA	CAA-C2A-C3A	-2.09	107.07	112.78
20	f	1852	SQD	O47-C7-O49	-2.09	118.66	123.70
13	a	516	CLA	C1B-CHB-C4A	-2.09	125.99	130.12
13	1	519	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
13	f	1209	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
13	c	503	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
16	G	4011	BCR	C36-C18-C17	-2.08	120.00	122.92
13	f	1023	CLA	C3A-C2A-C1A	2.08	104.46	101.34
13	f	1023	CLA	CAA-CBA-CGA	-2.08	107.16	113.25
13	e	1101	CLA	CMB-C2B-C3B	2.08	128.58	124.68
13	H	1208	CLA	CHD-C1D-ND	-2.08	122.54	124.45
13	5	503	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
13	f	1023	CLA	O2D-CGD-CBD	2.08	114.97	111.27
13	H	1021	CLA	CHB-C4A-NA	2.08	127.39	124.51
13	1	505	CLA	C1-C2-C3	-2.08	122.44	126.04
13	Y	505	CLA	C1-C2-C3	-2.08	122.44	126.04
13	e	1132	CLA	CBC-CAC-C3C	2.08	118.17	112.43
13	A	1136	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
13	A	1132	CLA	CBC-CAC-C3C	2.08	118.17	112.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	s	503	CLA	CHD-C1D-ND	-2.08	122.54	124.45
13	G	1136	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
13	d	507	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
13	H	1021	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
13	e	1136	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
13	e	1237	CLA	C2D-C1D-ND	-2.08	108.57	110.10
13	Y	504	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
13	Y	518	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
16	T	4015	BCR	C15-C16-C17	-2.08	119.22	123.47
16	l	4015	BCR	C15-C16-C17	-2.08	119.22	123.47
13	v	505	CLA	C1-C2-C3	-2.08	122.45	126.04
13	A	1103	CLA	CAA-C2A-C1A	-2.08	105.16	111.97
16	d	523	BCR	C11-C10-C9	-2.08	124.34	127.31
16	1	523	BCR	C27-C26-C25	-2.08	119.71	122.73
16	G	4007	BCR	C10-C11-C12	-2.08	116.73	123.22
13	q	504	CLA	CAA-C2A-C3A	-2.08	107.09	112.78
13	G	1132	CLA	CBC-CAC-C3C	2.08	118.16	112.43
13	6	505	CLA	C1-C2-C3	-2.08	122.45	126.04
13	G	1131	CLA	O1D-CGD-CBD	2.08	128.73	124.48
13	B	1023	CLA	C3A-C2A-C1A	2.08	104.45	101.34
13	H	1023	CLA	C3A-C2A-C1A	2.08	104.45	101.34
13	2	504	CLA	CAA-C2A-C3A	-2.08	107.09	112.78
16	c	522	BCR	C27-C26-C25	-2.08	119.72	122.73
13	3	510	CLA	CHA-C1A-NA	-2.08	121.64	126.40
16	1	523	BCR	C23-C24-C25	-2.08	121.37	127.20
16	B	4004	BCR	C29-C30-C25	2.08	113.68	110.48
13	G	1103	CLA	CAA-C2A-C1A	-2.08	105.17	111.97
16	u	522	BCR	C27-C26-C25	-2.08	119.72	122.73
13	A	1101	CLA	CAA-C2A-C3A	-2.08	107.09	112.78
17	B	1855	LHG	C18-C17-C16	-2.08	103.89	114.42
13	e	1103	CLA	CAA-C2A-C1A	-2.08	105.17	111.97
13	e	1101	CLA	CAA-C2A-C3A	-2.07	107.10	112.78
16	Y	523	BCR	C27-C26-C25	-2.07	119.72	122.73
16	u	524	BCR	C37-C22-C23	2.07	121.34	118.08
16	A	4002	BCR	C27-C26-C25	-2.07	119.72	122.73
17	f	1855	LHG	C18-C17-C16	-2.07	103.90	114.42
13	G	1112	CLA	C2A-C1A-CHA	2.07	127.48	123.86
16	G	4002	BCR	C27-C26-C25	-2.07	119.72	122.73
13	e	1125	CLA	C3A-C2A-C1A	2.07	104.44	101.34
16	Y	523	BCR	C23-C24-C25	-2.07	121.38	127.20
16	B	4005	BCR	C3-C4-C5	-2.07	110.38	114.08
13	e	1136	CLA	O1D-CGD-CBD	2.07	128.72	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A	4008	BCR	C28-C27-C26	-2.07	110.38	114.08
13	A	1127	CLA	C2A-C1A-CHA	2.07	127.48	123.86
13	b	508	CLA	CHD-C1D-ND	-2.07	122.55	124.45
16	G	4008	BCR	C15-C16-C17	-2.07	119.23	123.47
19	l	5104	LMG	O6-C1-O1	-2.07	105.07	109.97
13	1	504	CLA	CAA-C2A-C3A	-2.07	107.11	112.78
16	f	4004	BCR	C29-C30-C25	2.07	113.67	110.48
13	B	1215	CLA	O2D-CGD-CBD	2.07	114.95	111.27
13	s	507	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
17	H	1855	LHG	C18-C17-C16	-2.07	103.91	114.42
13	f	1224	CLA	C2A-C1A-CHA	2.07	127.48	123.86
16	A	4008	BCR	C15-C16-C17	-2.07	119.23	123.47
13	G	1101	CLA	CAA-C2A-C3A	-2.07	107.11	112.78
13	r	511	CLA	C2A-C1A-CHA	2.07	127.48	123.86
13	d	504	CLA	CHD-C1D-ND	-2.07	122.55	124.45
13	e	1117	CLA	C7-C6-C5	-2.07	107.73	113.36
13	q	518	CLA	CAA-C2A-C3A	-2.07	107.11	112.78
13	a	510	CLA	CHA-C1A-NA	-2.07	121.66	126.40
13	Y	502	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
13	e	1120	CLA	CAA-C2A-C3A	-2.07	107.11	112.78
13	q	503	CLA	C2D-C1D-ND	-2.07	108.58	110.10
16	f	4009	BCR	C4-C5-C6	-2.07	119.73	122.73
13	a	516	CLA	CHD-C1D-ND	-2.07	122.55	124.45
16	e	4008	BCR	C15-C16-C17	-2.07	119.24	123.47
13	e	1131	CLA	O1D-CGD-CBD	2.07	128.72	124.48
13	2	511	CLA	C2A-C1A-CHA	2.07	127.47	123.86
13	G	1022	CLA	C1D-ND-C4D	2.07	107.80	106.33
20	B	1852	SQD	O47-C7-O49	-2.07	118.70	123.70
13	K	1103	CLA	CHD-C1D-ND	-2.07	122.55	124.45
13	3	503	CLA	CHD-C1D-ND	-2.07	122.55	124.45
16	q	523	BCR	C23-C24-C25	-2.07	121.40	127.20
13	v	503	CLA	O2A-CGA-O1A	-2.07	118.38	123.59
13	l	1303	CLA	C2D-C1D-ND	-2.07	108.58	110.10
13	H	1234	CLA	C2A-C1A-CHA	2.07	127.47	123.86
16	Z	522	BCR	C36-C18-C19	2.07	121.33	118.08
13	1	518	CLA	CAA-C2A-C3A	-2.07	107.12	112.78
13	u	504	CLA	CHD-C1D-ND	-2.07	122.56	124.45
13	B	1023	CLA	CHC-C1C-NC	2.07	127.34	124.20
13	3	507	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
13	Z	519	CLA	CHD-C1D-ND	-2.06	122.56	124.45
13	t	504	CLA	CHD-C1D-ND	-2.06	122.56	124.45
13	v	510	CLA	CHD-C1D-ND	-2.06	122.56	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	a	522	BCR	C2-C1-C6	2.06	113.66	110.48
13	6	503	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
13	6	510	CLA	CHD-C1D-ND	-2.06	122.56	124.45
13	H	1229	CLA	O2D-CGD-CBD	2.06	114.93	111.27
13	G	1125	CLA	C3A-C2A-C1A	2.06	104.43	101.34
13	t	518	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
13	G	1117	CLA	C7-C6-C5	-2.06	107.76	113.36
13	c	506	CLA	O2A-CGA-O1A	-2.06	118.16	123.30
13	H	1023	CLA	O2D-CGD-CBD	2.06	114.93	111.27
13	b	516	CLA	CAA-C2A-C3A	-2.06	107.13	112.78
13	e	1128	CLA	C2D-C1D-ND	-2.06	108.58	110.10
13	G	1127	CLA	C2A-C1A-CHA	2.06	127.46	123.86
13	Z	508	CLA	CHD-C1D-ND	-2.06	122.56	124.45
16	5	522	BCR	C27-C26-C25	-2.06	119.74	122.73
16	H	4017	BCR	C8-C7-C6	-2.06	121.42	127.20
13	f	1229	CLA	O2D-CGD-CBD	2.06	114.93	111.27
13	e	1126	CLA	C16-C15-C13	-2.06	109.26	115.92
19	T	5104	LMG	O6-C1-O1	-2.06	105.10	109.97
13	e	1022	CLA	C1D-ND-C4D	2.06	107.80	106.33
13	q	510	CLA	C4-C3-C5	2.06	118.73	115.27
13	5	504	CLA	CHD-C1D-ND	-2.06	122.56	124.45
13	m	1103	CLA	C2D-C1D-ND	-2.06	108.59	110.10
13	4	516	CLA	CAA-C2A-C3A	-2.06	107.14	112.78
13	a	507	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
19	J	5104	LMG	O6-C1-O1	-2.06	105.10	109.97
13	l	502	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
16	t	524	BCR	C11-C12-C13	-2.06	120.64	126.42
13	n	1503	CLA	CHD-C1D-ND	-2.06	122.56	124.45
16	B	4017	BCR	C8-C7-C6	-2.06	121.42	127.20
16	e	4008	BCR	C28-C27-C26	-2.06	110.40	114.08
16	f	4005	BCR	C3-C4-C5	-2.06	110.40	114.08
13	m	1103	CLA	CHD-C1D-ND	-2.06	122.56	124.45
16	v	523	BCR	C11-C10-C9	-2.06	124.38	127.31
16	j	4016	BCR	C38-C26-C25	-2.06	122.22	124.53
16	H	4017	BCR	C15-C16-C17	-2.06	119.26	123.47
13	a	518	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
13	B	1239	CLA	C2A-C1A-CHA	2.06	127.45	123.86
13	G	1102	CLA	C1B-CHB-C4A	-2.06	126.05	130.12
17	A	5002	LHG	O10-C23-C24	-2.06	115.71	123.73
13	f	1230	CLA	CMB-C2B-C3B	2.06	128.52	124.68
13	e	1112	CLA	C2A-C1A-CHA	2.06	127.45	123.86
13	A	1117	CLA	C7-C6-C5	-2.06	107.78	113.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	5	518	CLA	O2A-CGA-O1A	-2.06	118.41	123.59
13	f	1023	CLA	CHC-C1C-NC	2.06	127.32	124.20
16	F	4016	BCR	C36-C18-C19	2.06	121.31	118.08
13	A	1125	CLA	C3A-C2A-C1A	2.05	104.42	101.34
16	B	4009	BCR	C4-C5-C6	-2.05	119.75	122.73
13	t	508	CLA	CHC-C1C-NC	2.05	127.32	124.20
16	v	522	BCR	C2-C3-C4	-2.05	106.79	111.38
13	b	508	CLA	CHC-C1C-NC	2.05	127.32	124.20
16	j	4016	BCR	C36-C18-C19	2.05	121.31	118.08
13	T	1303	CLA	CHA-C1A-NA	-2.05	121.69	126.40
19	B	5002	LMG	C3-C4-C5	-2.05	106.58	110.24
13	B	1220	CLA	CHD-C1D-ND	-2.05	122.57	124.45
13	Y	501	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
16	b	522	BCR	C27-C26-C25	-2.05	119.75	122.73
13	J	1303	CLA	C2D-C1D-ND	-2.05	108.59	110.10
13	t	516	CLA	CAA-C2A-C3A	-2.05	107.16	112.78
16	H	4006	BCR	C23-C22-C21	2.05	122.09	118.94
13	1	510	CLA	C4-C3-C5	2.05	118.72	115.27
17	G	5002	LHG	O10-C23-C24	-2.05	115.72	123.73
16	T	4015	BCR	C37-C22-C23	2.05	121.31	118.08
13	Z	502	CLA	C2A-C1A-CHA	2.05	127.45	123.86
16	6	523	BCR	C11-C10-C9	-2.05	124.38	127.31
13	5	506	CLA	O2A-CGA-O1A	-2.05	118.18	123.30
13	A	1112	CLA	C2A-C1A-CHA	2.05	127.45	123.86
13	q	501	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
16	H	4005	BCR	C3-C4-C5	-2.05	110.41	114.08
13	A	1120	CLA	CAA-C2A-C3A	-2.05	107.16	112.78
13	d	503	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
13	s	518	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
16	H	4009	BCR	C16-C15-C14	-2.05	119.27	123.47
13	u	506	CLA	O2A-CGA-O1A	-2.05	118.19	123.30
13	1	507	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
13	4	518	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
16	d	524	BCR	C20-C19-C18	-2.05	120.66	126.42
13	K	1103	CLA	CAA-C2A-C3A	-2.05	107.16	112.78
13	d	503	CLA	CAA-C2A-C3A	-2.05	107.16	112.78
16	A	4011	BCR	C36-C18-C17	-2.05	120.05	122.92
19	f	5002	LMG	C3-C4-C5	-2.05	106.58	110.24
16	3	522	BCR	C2-C1-C6	2.05	113.64	110.48
13	2	519	CLA	CHD-C1D-ND	-2.05	122.57	124.45
13	s	516	CLA	CHD-C1D-ND	-2.05	122.57	124.45
16	R	4016	BCR	C36-C18-C19	2.05	121.31	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	q	507	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
13	4	508	CLA	CHC-C1C-NC	2.05	127.31	124.20
13	H	1215	CLA	O2D-CGD-CBD	2.05	114.91	111.27
13	1	501	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
13	q	502	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
13	H	1230	CLA	CAA-CBA-CGA	-2.05	107.27	113.25
13	Z	511	CLA	C2A-C1A-CHA	2.05	127.44	123.86
13	H	1215	CLA	C4-C3-C5	2.05	118.72	115.27
16	4	522	BCR	C27-C26-C25	-2.05	119.76	122.73
16	e	4002	BCR	C27-C26-C25	-2.05	119.76	122.73
16	V	4219	BCR	C16-C15-C14	-2.05	119.28	123.47
13	A	1022	CLA	C1D-ND-C4D	2.05	107.79	106.33
13	A	1102	CLA	C1B-CHB-C4A	-2.05	126.06	130.12
17	e	5002	LHG	O10-C23-C24	-2.05	115.74	123.73
13	3	516	CLA	CHD-C1D-ND	-2.05	122.57	124.45
19	H	5002	LMG	C3-C4-C5	-2.05	106.59	110.24
17	G	5006	LHG	C11-C10-C9	-2.05	104.03	114.42
13	c	511	CLA	C2A-C1A-CHA	2.05	127.44	123.86
13	e	1127	CLA	C2A-C1A-CHA	2.05	127.44	123.86
16	6	522	BCR	C2-C3-C4	-2.05	106.80	111.38
13	B	1023	CLA	O2D-CGD-CBD	2.05	114.91	111.27
13	H	1023	CLA	CHC-C1C-NC	2.05	127.31	124.20
13	m	1103	CLA	CAA-C2A-C3A	-2.05	107.17	112.78
16	f	4006	BCR	C23-C22-C21	2.05	122.08	118.94
16	4	524	BCR	C11-C12-C13	-2.05	120.67	126.42
13	G	1120	CLA	CAA-C2A-C3A	-2.05	107.17	112.78
13	Y	508	CLA	C2D-C1D-ND	-2.05	108.60	110.10
13	f	1235	CLA	C2D-C1D-ND	-2.05	108.60	110.10
16	f	4017	BCR	C8-C7-C6	-2.05	121.45	127.20
16	e	4011	BCR	C36-C18-C17	-2.05	120.06	122.92
13	q	511	CLA	C2A-C1A-CHA	2.05	127.44	123.86
13	u	509	CLA	C2A-C1A-CHA	2.05	127.44	123.86
17	A	5006	LHG	C11-C10-C9	-2.05	104.04	114.42
16	b	524	BCR	C11-C12-C13	-2.05	120.67	126.42
13	e	1102	CLA	C1B-CHB-C4A	-2.05	126.07	130.12
13	B	1229	CLA	O2D-CGD-CBD	2.05	114.90	111.27
16	d	522	BCR	C2-C3-C4	-2.04	106.81	111.38
13	U	1103	CLA	CAA-C2A-C3A	-2.04	107.18	112.78
13	c	509	CLA	C2A-C1A-CHA	2.04	127.43	123.86
17	A	5002	LHG	C5-O7-C7	-2.04	112.76	117.79
16	s	522	BCR	C2-C1-C6	2.04	113.63	110.48
13	c	518	CLA	O2A-CGA-O1A	-2.04	118.43	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	s	519	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
13	u	518	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
13	H	1239	CLA	C2A-C1A-CHA	2.04	127.43	123.86
17	e	5002	LHG	C5-O7-C7	-2.04	112.76	117.79
13	v	503	CLA	CAA-C2A-C3A	-2.04	107.18	112.78
13	Y	507	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
13	H	1235	CLA	C2D-C1D-ND	-2.04	108.60	110.10
17	G	5002	LHG	C5-O7-C7	-2.04	112.76	117.79
16	l	4015	BCR	C37-C22-C23	2.04	121.30	118.08
13	3	518	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
13	B	1230	CLA	CMB-C2B-C3B	2.04	128.50	124.68
13	A	1122	CLA	C2D-C1D-ND	-2.04	108.60	110.10
13	J	1303	CLA	CHA-C1A-NA	-2.04	121.72	126.40
16	L	4219	BCR	C16-C15-C14	-2.04	119.29	123.47
13	2	502	CLA	C2A-C1A-CHA	2.04	127.43	123.86
13	A	1126	CLA	C16-C15-C13	-2.04	109.32	115.92
16	B	4017	BCR	C15-C16-C17	-2.04	119.29	123.47
13	6	504	CLA	CHD-C1D-ND	-2.04	122.58	124.45
16	B	4006	BCR	C23-C22-C21	2.04	122.07	118.94
13	Z	508	CLA	CHC-C1C-NC	2.04	127.30	124.20
19	l	5104	LMG	O8-C28-O10	-2.04	118.44	123.59
13	B	1230	CLA	CAA-CBA-CGA	-2.04	107.29	113.25
13	6	503	CLA	CAA-C2A-C3A	-2.04	107.19	112.78
16	J	4015	BCR	C37-C22-C23	2.04	121.29	118.08
13	l	1303	CLA	CHA-C1A-NA	-2.04	121.73	126.40
16	c	521	BCR	C2-C1-C6	2.04	113.62	110.48
16	v	524	BCR	C20-C19-C18	-2.04	120.69	126.42
14	G	2001	PQN	C2M-C2-C1	2.04	119.65	116.27
13	H	1235	CLA	CBA-CAA-C2A	2.04	119.88	113.86
16	5	523	BCR	C11-C10-C9	-2.04	124.40	127.31
16	t	522	BCR	C27-C26-C25	-2.04	119.77	122.73
13	H	1226	CLA	CHB-C4A-NA	2.04	127.33	124.51
17	e	5006	LHG	C11-C10-C9	-2.04	104.08	114.42
13	B	1214	CLA	C2A-C1A-CHA	2.04	127.42	123.86
13	V	1503	CLA	CHD-C1D-ND	-2.04	122.58	124.45
16	d	521	BCR	C2-C1-C6	2.04	113.62	110.48
16	F	4016	BCR	C38-C26-C25	-2.04	122.24	124.53
13	f	1239	CLA	C2A-C1A-CHA	2.04	127.42	123.86
13	2	508	CLA	CHD-C1D-ND	-2.04	122.58	124.45
13	j	1301	CLA	C2A-C1A-CHA	2.04	127.42	123.86
13	f	1230	CLA	CAA-CBA-CGA	-2.04	107.30	113.25
16	6	524	BCR	C20-C19-C18	-2.04	120.70	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	L	1503	CLA	CHD-C1D-ND	-2.04	122.58	124.45
16	l	522	BCR	C33-C5-C4	2.04	117.53	113.62
16	t	523	BCR	C15-C16-C17	-2.04	119.30	123.47
16	c	523	BCR	C11-C10-C9	-2.04	124.41	127.31
13	B	1217	CLA	C2A-C1A-CHA	2.04	127.42	123.86
13	Y	511	CLA	C2A-C1A-CHA	2.04	127.42	123.86
13	H	1210	CLA	CAC-C3C-C4C	2.03	127.45	124.81
13	H	1212	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
13	f	1238	CLA	O2A-C1-C2	-2.03	103.29	108.64
16	f	4009	BCR	C16-C15-C14	-2.03	119.31	123.47
13	Y	504	CLA	C2A-C1A-CHA	2.03	127.42	123.86
17	A	5005	LHG	O8-C23-O10	-2.03	118.46	123.59
13	r	502	CLA	C2A-C1A-CHA	2.03	127.41	123.86
16	R	4016	BCR	C38-C26-C25	-2.03	122.25	124.53
13	H	1231	CLA	C1-C2-C3	-2.03	122.53	126.04
16	c	524	BCR	C34-C9-C8	2.03	121.28	118.08
16	n	4219	BCR	C16-C15-C14	-2.03	119.31	123.47
16	q	524	BCR	C1-C6-C7	2.03	121.53	115.78
16	2	523	BCR	C3-C4-C5	-2.03	110.45	114.08
17	G	5005	LHG	O8-C23-O10	-2.03	118.46	123.59
16	u	524	BCR	C34-C9-C8	2.03	121.28	118.08
16	H	4009	BCR	C4-C5-C6	-2.03	119.78	122.73
13	G	1126	CLA	C16-C15-C13	-2.03	109.35	115.92
13	c	504	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	H	1230	CLA	CMB-C2B-C3B	2.03	128.48	124.68
13	b	517	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
13	G	1124	CLA	CAA-C2A-C3A	-2.03	107.22	112.78
13	b	518	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
13	4	508	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	5	509	CLA	C2A-C1A-CHA	2.03	127.41	123.86
13	A	1128	CLA	C2D-C1D-ND	-2.03	108.61	110.10
13	4	517	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
13	A	1124	CLA	CAA-C2A-C3A	-2.03	107.22	112.78
13	t	508	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	4	503	CLA	CAC-C3C-C4C	2.03	127.44	124.81
13	l	511	CLA	C2A-C1A-CHA	2.03	127.41	123.86
13	B	1235	CLA	CBA-CAA-C2A	2.03	119.85	113.86
19	T	5104	LMG	O8-C28-O10	-2.03	118.47	123.59
13	B	1210	CLA	CAC-C3C-C4C	2.03	127.44	124.81
13	H	1217	CLA	C1B-CHB-C4A	-2.03	126.10	130.12
13	B	1226	CLA	CHB-C4A-NA	2.03	127.32	124.51
13	B	1238	CLA	O2A-C1-C2	-2.03	103.30	108.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	d	510	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	Y	510	CLA	C4-C3-C5	2.03	118.68	115.27
13	c	512	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
13	5	511	CLA	C2A-C1A-CHA	2.03	127.40	123.86
13	b	502	CLA	C2A-C1A-CHA	2.03	127.40	123.86
13	5	510	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	c	510	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	5	512	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
16	B	4009	BCR	C16-C15-C14	-2.03	119.32	123.47
16	b	524	BCR	C38-C26-C25	-2.03	122.25	124.53
13	f	1212	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
19	J	5104	LMG	O8-C28-O10	-2.03	118.48	123.59
13	e	1124	CLA	CAA-C2A-C3A	-2.03	107.23	112.78
13	6	502	CLA	C1-C2-C3	-2.03	123.47	126.75
16	4	523	BCR	C15-C16-C17	-2.03	119.32	123.47
13	f	1214	CLA	C2A-C1A-CHA	2.03	127.40	123.86
13	u	511	CLA	C2A-C1A-CHA	2.03	127.40	123.86
13	r	508	CLA	CHC-C1C-NC	2.03	127.28	124.20
13	A	1112	CLA	CHD-C1D-ND	-2.03	122.59	124.45
13	4	504	CLA	CHD-C1D-ND	-2.03	122.59	124.45
20	u	822	SQD	C45-O47-C7	2.03	122.78	117.79
16	b	523	BCR	C15-C16-C17	-2.03	119.32	123.47
13	r	503	CLA	C2A-C1A-CHA	2.03	127.40	123.86
13	e	1124	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
16	1	524	BCR	C1-C6-C7	2.03	121.51	115.78
13	B	1215	CLA	C4-C3-C5	2.03	118.68	115.27
13	f	1217	CLA	C2A-C1A-CHA	2.03	127.40	123.86
16	n	4019	BCR	C38-C26-C27	2.02	117.51	113.62
13	B	1212	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
16	t	524	BCR	C38-C26-C25	-2.02	122.25	124.53
13	v	504	CLA	CHD-C1D-ND	-2.02	122.59	124.45
13	3	519	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
20	c	822	SQD	C45-O47-C7	2.02	122.77	117.79
17	e	5005	LHG	O8-C23-O10	-2.02	118.48	123.59
16	v	521	BCR	C2-C1-C6	2.02	113.60	110.48
16	Z	523	BCR	C3-C4-C5	-2.02	110.46	114.08
13	b	503	CLA	CAC-C3C-C4C	2.02	127.44	124.81
17	n	5220	LHG	C27-C26-C25	-2.02	104.16	114.42
13	r	508	CLA	CHD-C1D-ND	-2.02	122.59	124.45
20	c	822	SQD	O48-C23-O10	-2.02	118.49	123.59
13	t	517	CLA	O2A-CGA-O1A	-2.02	118.26	123.30
16	V	4019	BCR	C38-C26-C27	2.02	117.50	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1214	CLA	C2A-C1A-CHA	2.02	127.39	123.86
13	d	502	CLA	C1-C2-C3	-2.02	123.48	126.75
16	Y	524	BCR	C1-C6-C7	2.02	121.50	115.78
13	H	1238	CLA	O2A-C1-C2	-2.02	103.32	108.64
16	5	521	BCR	C2-C1-C6	2.02	113.59	110.48
16	l	4012	BCR	C15-C16-C17	-2.02	119.33	123.47
16	u	523	BCR	C11-C10-C9	-2.02	124.42	127.31
16	5	524	BCR	C34-C9-C8	2.02	121.26	118.08
13	t	502	CLA	C2A-C1A-CHA	2.02	127.39	123.86
17	V	5220	LHG	C27-C26-C25	-2.02	104.17	114.42
13	B	1231	CLA	C1-C2-C3	-2.02	122.55	126.04
20	5	822	SQD	C45-O47-C7	2.02	122.77	117.79
13	l	511	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
16	l	522	BCR	C36-C18-C19	2.02	121.26	118.08
13	u	512	CLA	O2A-CGA-O1A	-2.02	118.26	123.30
13	f	1210	CLA	CAC-C3C-C4C	2.02	127.43	124.81
13	t	503	CLA	CAC-C3C-C4C	2.02	127.43	124.81
16	f	4017	BCR	C15-C16-C17	-2.02	119.34	123.47
17	L	5220	LHG	C27-C26-C25	-2.02	104.17	114.42
13	l	504	CLA	C2A-C1A-CHA	2.02	127.39	123.86
13	s	516	CLA	C2A-C1A-CHA	2.02	127.39	123.86
14	A	2001	PQN	C2M-C2-C1	2.02	119.62	116.27
13	f	1220	CLA	CHD-C1D-ND	-2.02	122.60	124.45
16	6	521	BCR	C2-C1-C6	2.02	113.59	110.48
13	f	1208	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
13	K	1103	CLA	C2D-C1D-ND	-2.02	108.62	110.10
13	e	1107	CLA	C2D-C1D-ND	-2.02	108.62	110.10
20	L	5216	SQD	C1-O5-C5	2.02	117.65	113.69
13	2	508	CLA	CHC-C1C-NC	2.02	127.27	124.20
13	F	1301	CLA	C2A-C1A-CHA	2.02	127.39	123.86
13	f	1226	CLA	CMC-C2C-C3C	2.02	131.60	126.12
13	A	1125	CLA	CAA-C2A-C3A	-2.02	107.25	112.78
13	r	519	CLA	CHD-C1D-ND	-2.02	122.60	124.45
13	f	1235	CLA	CBA-CAA-C2A	2.02	119.82	113.86
16	T	4012	BCR	C15-C16-C17	-2.02	119.34	123.47
16	r	523	BCR	C3-C4-C5	-2.02	110.47	114.08
13	H	1220	CLA	C2D-C1D-ND	-2.02	108.62	110.10
16	L	4019	BCR	C38-C26-C27	2.02	117.49	113.62
13	q	504	CLA	C2A-C1A-CHA	2.02	127.39	123.86
13	f	1226	CLA	CHB-C4A-NA	2.02	127.30	124.51
13	H	1208	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
16	V	4020	BCR	C8-C9-C10	-2.02	115.84	118.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	a	503	CLA	CHD-C1D-ND	-2.02	122.60	124.45
16	G	4007	BCR	C8-C7-C6	-2.02	121.54	127.20
14	e	2001	PQN	C2M-C2-C1	2.02	119.61	116.27
13	B	1226	CLA	CMC-C2C-C3C	2.02	131.59	126.12
13	H	1217	CLA	C2A-C1A-CHA	2.02	127.39	123.86
13	3	508	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
13	Z	503	CLA	C2A-C1A-CHA	2.02	127.38	123.86
16	Y	522	BCR	C33-C5-C4	2.02	117.49	113.62
13	t	503	CLA	C2A-C1A-CHA	2.02	127.38	123.86
13	f	1217	CLA	C1B-CHB-C4A	-2.02	126.12	130.12
13	c	501	CLA	CAA-C2A-C3A	-2.02	107.26	112.78
13	f	1231	CLA	C1-C2-C3	-2.02	122.56	126.04
13	B	1217	CLA	C1B-CHB-C4A	-2.01	126.13	130.12
13	a	503	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
16	Z	522	BCR	C20-C21-C22	-2.01	124.44	127.31
16	Y	522	BCR	C36-C18-C19	2.01	121.25	118.08
13	B	1221	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
20	n	5216	SQD	C1-O5-C5	2.01	117.64	113.69
13	e	1121	CLA	CHA-C1A-NA	-2.01	121.79	126.40
13	5	501	CLA	CAA-C2A-C3A	-2.01	107.27	112.78
13	u	510	CLA	CHD-C1D-ND	-2.01	122.60	124.45
13	q	519	CLA	O2D-CGD-CBD	2.01	114.84	111.27
13	G	1124	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
20	5	822	SQD	O48-C23-O10	-2.01	118.51	123.59
16	n	4022	BCR	C15-C16-C17	-2.01	119.35	123.47
16	e	4008	BCR	C30-C25-C24	2.01	121.47	115.78
13	a	519	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
16	n	4022	BCR	C21-C20-C19	-2.01	116.94	123.22
13	G	1121	CLA	CHA-C1A-NA	-2.01	121.79	126.40
13	A	1124	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
20	u	822	SQD	O48-C23-O10	-2.01	118.51	123.59
16	f	4006	BCR	C10-C11-C12	-2.01	116.94	123.22
13	2	503	CLA	C2A-C1A-CHA	2.01	127.38	123.86
13	3	516	CLA	C2A-C1A-CHA	2.01	127.38	123.86
16	a	522	BCR	C21-C20-C19	-2.01	116.94	123.22
16	e	4007	BCR	C8-C7-C6	-2.01	121.55	127.20
16	f	4006	BCR	C8-C9-C10	2.01	122.03	118.94
13	B	1208	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
16	u	521	BCR	C2-C1-C6	2.01	113.58	110.48
13	f	1221	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
16	Y	522	BCR	C1-C6-C5	-2.01	119.78	122.61
14	e	2001	PQN	C21-C20-C18	-2.01	109.42	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	H	1023	CLA	C2A-C1A-CHA	2.01	127.37	123.86
13	b	509	CLA	CHA-C1A-NA	-2.01	121.80	126.40
13	G	1122	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
13	H	1217	CLA	C2D-C1D-ND	-2.01	108.62	110.10
13	Y	519	CLA	O2D-CGD-CBD	2.01	114.84	111.27
16	t	523	BCR	C34-C9-C8	2.01	121.24	118.08
16	A	4007	BCR	C8-C7-C6	-2.01	121.56	127.20
13	e	1125	CLA	CAA-C2A-C3A	-2.01	107.28	112.78
13	R	1301	CLA	C2A-C1A-CHA	2.01	127.37	123.86
13	Y	503	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
13	1	519	CLA	O2D-CGD-CBD	2.01	114.84	111.27
16	L	4020	BCR	C8-C9-C10	-2.01	115.86	118.94
18	e	1849	LMU	C6'-C5'-C4'	-2.01	108.30	113.00
13	Y	511	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
13	s	508	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
13	G	1125	CLA	CAA-C2A-C3A	-2.01	107.28	112.78
14	A	2001	PQN	C21-C20-C18	-2.01	109.43	115.92
16	J	4012	BCR	C15-C16-C17	-2.01	119.36	123.47
13	A	1121	CLA	CHA-C1A-NA	-2.01	121.80	126.40
16	H	4006	BCR	C10-C11-C12	-2.01	116.95	123.22
13	a	516	CLA	C2A-C1A-CHA	2.01	127.37	123.86
13	u	513	CLA	O2A-CGA-O1A	-2.01	118.30	123.30
16	3	522	BCR	C21-C20-C19	-2.01	116.96	123.22
13	q	511	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	G	2001	PQN	C21-C20-C18	-2.01	109.44	115.92
16	q	522	BCR	C36-C18-C19	2.01	121.24	118.08
13	B	1235	CLA	CHD-C1D-ND	-2.01	122.61	124.45
16	2	522	BCR	C20-C21-C22	-2.01	124.45	127.31
16	c	524	BCR	C24-C23-C22	-2.01	123.20	126.23
16	q	522	BCR	C33-C5-C4	2.01	117.47	113.62
13	H	1226	CLA	CMC-C2C-C3C	2.01	131.56	126.12
13	4	505	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
13	f	1202	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
13	s	503	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
16	4	524	BCR	C38-C26-C25	-2.00	122.28	124.53
13	H	1228	CLA	O2D-CGD-CBD	2.00	114.83	111.27
13	H	1221	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
13	b	504	CLA	CHD-C1D-ND	-2.00	122.61	124.45
16	L	4022	BCR	C21-C20-C19	-2.00	116.96	123.22
16	V	4022	BCR	C21-C20-C19	-2.00	116.96	123.22
13	Z	513	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
13	f	1226	CLA	CHA-C4D-ND	2.00	136.69	132.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	B	1218	CLA	C2A-C1A-CHA	2.00	127.36	123.86
13	3	503	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
16	A	4008	BCR	C30-C25-C24	2.00	121.44	115.78
13	v	504	CLA	CAA-C2A-C3A	-2.00	107.29	112.78
13	6	504	CLA	CAA-C2A-C3A	-2.00	107.29	112.78
13	4	502	CLA	C2A-C1A-CHA	2.00	127.36	123.86
13	u	501	CLA	CAA-C2A-C3A	-2.00	107.30	112.78
16	B	4006	BCR	C10-C11-C12	-2.00	116.97	123.22
13	B	1226	CLA	CHA-C4D-ND	2.00	136.69	132.50
18	G	1849	LMU	C6'-C5'-C4'	-2.00	108.31	113.00
13	a	508	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
16	v	522	BCR	C23-C24-C25	-2.00	121.58	127.20
16	A	4002	BCR	C20-C19-C18	-2.00	120.80	126.42
13	r	502	CLA	CMB-C2B-C3B	2.00	128.42	124.68
13	B	1216	CLA	C1-C2-C3	-2.00	122.58	126.04
13	G	1112	CLA	CHD-C1D-ND	-2.00	122.62	124.45
13	t	506	CLA	O2A-CGA-O1A	-2.00	118.31	123.30

All (588) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
13	A	1011	CLA	ND
13	A	1013	CLA	ND
13	A	1102	CLA	ND
13	A	1103	CLA	ND
13	A	1104	CLA	ND
13	A	1105	CLA	ND
13	A	1106	CLA	ND
13	A	1107	CLA	ND
13	A	1108	CLA	ND
13	A	1109	CLA	ND
13	A	1110	CLA	ND
13	A	1111	CLA	ND
13	A	1112	CLA	ND
13	A	1113	CLA	ND
13	A	1114	CLA	ND
13	A	1115	CLA	ND
13	A	1116	CLA	ND
13	A	1117	CLA	ND
13	A	1118	CLA	ND
13	A	1119	CLA	ND
13	A	1120	CLA	ND

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Mol	Chain	Res	Type	Atom
13	A	1121	CLA	ND
13	A	1122	CLA	ND
13	A	1123	CLA	ND
13	A	1124	CLA	ND
13	A	1125	CLA	ND
13	A	1126	CLA	ND
13	A	1127	CLA	ND
13	A	1128	CLA	ND
13	A	1129	CLA	ND
13	A	1131	CLA	ND
13	A	1132	CLA	ND
13	A	1133	CLA	ND
13	A	1134	CLA	ND
13	A	1135	CLA	ND
13	A	1136	CLA	ND
13	A	1137	CLA	ND
13	A	1138	CLA	ND
13	A	1139	CLA	ND
13	A	1140	CLA	ND
13	A	1237	CLA	ND
13	A	1801	CLA	ND
13	A	1022	CLA	ND
13	A	1101	CLA	ND
13	A	1130	CLA	ND
13	B	1012	CLA	ND
13	B	1021	CLA	ND
13	B	1023	CLA	ND
13	B	1201	CLA	ND
13	B	1202	CLA	ND
13	B	1203	CLA	ND
13	B	1204	CLA	ND
13	B	1205	CLA	ND
13	B	1206	CLA	ND
13	B	1208	CLA	ND
13	B	1209	CLA	ND
13	B	1210	CLA	ND
13	B	1211	CLA	ND
13	B	1212	CLA	ND
13	B	1213	CLA	ND
13	B	1214	CLA	ND
13	B	1215	CLA	ND
13	B	1216	CLA	ND

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Mol	Chain	Res	Type	Atom
13	B	1217	CLA	ND
13	B	1218	CLA	ND
13	B	1219	CLA	ND
13	B	1220	CLA	ND
13	B	1221	CLA	ND
13	B	1222	CLA	ND
13	B	1223	CLA	ND
13	B	1224	CLA	ND
13	B	1225	CLA	ND
13	B	1226	CLA	ND
13	B	1227	CLA	ND
13	B	1228	CLA	ND
13	B	1229	CLA	ND
13	B	1231	CLA	ND
13	B	1232	CLA	ND
13	B	1234	CLA	ND
13	B	1235	CLA	ND
13	B	1238	CLA	ND
13	B	1239	CLA	ND
13	B	1207	CLA	ND
13	B	1230	CLA	ND
13	F	1301	CLA	ND
13	F	1302	CLA	ND
13	J	1302	CLA	ND
13	J	1303	CLA	ND
13	K	1401	CLA	ND
13	K	1103	CLA	ND
13	K	1105	CLA	ND
13	L	1501	CLA	ND
13	L	1502	CLA	ND
13	L	1503	CLA	ND
13	1	501	CLA	ND
13	1	502	CLA	ND
13	1	503	CLA	ND
13	1	504	CLA	ND
13	1	505	CLA	ND
13	1	506	CLA	ND
13	1	507	CLA	ND
13	1	508	CLA	ND
13	1	509	CLA	ND
13	1	510	CLA	ND
13	1	511	CLA	ND

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Mol	Chain	Res	Type	Atom
13	1	512	CLA	ND
13	1	513	CLA	ND
13	1	516	CLA	ND
13	1	517	CLA	ND
13	1	518	CLA	ND
13	1	519	CLA	ND
13	2	501	CLA	ND
13	2	502	CLA	ND
13	2	503	CLA	ND
13	2	504	CLA	ND
13	2	505	CLA	ND
13	2	506	CLA	ND
13	2	507	CLA	ND
13	2	508	CLA	ND
13	2	509	CLA	ND
13	2	510	CLA	ND
13	2	511	CLA	ND
13	2	512	CLA	ND
13	2	513	CLA	ND
13	2	516	CLA	ND
13	2	517	CLA	ND
13	2	518	CLA	ND
13	2	519	CLA	ND
13	3	501	CLA	ND
13	3	502	CLA	ND
13	3	503	CLA	ND
13	3	504	CLA	ND
13	3	505	CLA	ND
13	3	506	CLA	ND
13	3	507	CLA	ND
13	3	508	CLA	ND
13	3	509	CLA	ND
13	3	510	CLA	ND
13	3	511	CLA	ND
13	3	512	CLA	ND
13	3	513	CLA	ND
13	3	516	CLA	ND
13	3	517	CLA	ND
13	3	518	CLA	ND
13	3	519	CLA	ND
13	4	501	CLA	ND
13	4	502	CLA	ND

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Mol	Chain	Res	Type	Atom
13	4	503	CLA	ND
13	4	504	CLA	ND
13	4	505	CLA	ND
13	4	506	CLA	ND
13	4	507	CLA	ND
13	4	508	CLA	ND
13	4	509	CLA	ND
13	4	510	CLA	ND
13	4	511	CLA	ND
13	4	512	CLA	ND
13	4	513	CLA	ND
13	4	516	CLA	ND
13	4	517	CLA	ND
13	4	518	CLA	ND
13	4	519	CLA	ND
13	5	501	CLA	ND
13	5	502	CLA	ND
13	5	503	CLA	ND
13	5	504	CLA	ND
13	5	505	CLA	ND
13	5	506	CLA	ND
13	5	507	CLA	ND
13	5	508	CLA	ND
13	5	509	CLA	ND
13	5	510	CLA	ND
13	5	511	CLA	ND
13	5	512	CLA	ND
13	5	513	CLA	ND
13	5	516	CLA	ND
13	5	517	CLA	ND
13	5	518	CLA	ND
13	5	519	CLA	ND
13	6	501	CLA	ND
13	6	502	CLA	ND
13	6	503	CLA	ND
13	6	504	CLA	ND
13	6	505	CLA	ND
13	6	506	CLA	ND
13	6	507	CLA	ND
13	6	508	CLA	ND
13	6	509	CLA	ND
13	6	510	CLA	ND

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Mol	Chain	Res	Type	Atom
13	6	511	CLA	ND
13	6	512	CLA	ND
13	6	513	CLA	ND
13	6	516	CLA	ND
13	6	517	CLA	ND
13	6	518	CLA	ND
13	6	519	CLA	ND
13	G	1011	CLA	ND
13	G	1013	CLA	ND
13	G	1102	CLA	ND
13	G	1103	CLA	ND
13	G	1104	CLA	ND
13	G	1105	CLA	ND
13	G	1106	CLA	ND
13	G	1107	CLA	ND
13	G	1108	CLA	ND
13	G	1109	CLA	ND
13	G	1110	CLA	ND
13	G	1111	CLA	ND
13	G	1112	CLA	ND
13	G	1113	CLA	ND
13	G	1114	CLA	ND
13	G	1115	CLA	ND
13	G	1116	CLA	ND
13	G	1117	CLA	ND
13	G	1118	CLA	ND
13	G	1119	CLA	ND
13	G	1120	CLA	ND
13	G	1121	CLA	ND
13	G	1122	CLA	ND
13	G	1123	CLA	ND
13	G	1124	CLA	ND
13	G	1125	CLA	ND
13	G	1126	CLA	ND
13	G	1127	CLA	ND
13	G	1128	CLA	ND
13	G	1129	CLA	ND
13	G	1131	CLA	ND
13	G	1132	CLA	ND
13	G	1133	CLA	ND
13	G	1134	CLA	ND
13	G	1135	CLA	ND

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Mol	Chain	Res	Type	Atom
13	G	1136	CLA	ND
13	G	1137	CLA	ND
13	G	1138	CLA	ND
13	G	1139	CLA	ND
13	G	1140	CLA	ND
13	G	1237	CLA	ND
13	G	1801	CLA	ND
13	G	1022	CLA	ND
13	G	1101	CLA	ND
13	G	1130	CLA	ND
13	H	1012	CLA	ND
13	H	1021	CLA	ND
13	H	1023	CLA	ND
13	H	1201	CLA	ND
13	H	1202	CLA	ND
13	H	1203	CLA	ND
13	H	1204	CLA	ND
13	H	1205	CLA	ND
13	H	1206	CLA	ND
13	H	1208	CLA	ND
13	H	1209	CLA	ND
13	H	1210	CLA	ND
13	H	1211	CLA	ND
13	H	1212	CLA	ND
13	H	1213	CLA	ND
13	H	1214	CLA	ND
13	H	1215	CLA	ND
13	H	1216	CLA	ND
13	H	1217	CLA	ND
13	H	1218	CLA	ND
13	H	1219	CLA	ND
13	H	1220	CLA	ND
13	H	1221	CLA	ND
13	H	1222	CLA	ND
13	H	1223	CLA	ND
13	H	1224	CLA	ND
13	H	1225	CLA	ND
13	H	1226	CLA	ND
13	H	1227	CLA	ND
13	H	1228	CLA	ND
13	H	1229	CLA	ND
13	H	1231	CLA	ND

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Mol	Chain	Res	Type	Atom
13	H	1232	CLA	ND
13	H	1234	CLA	ND
13	H	1235	CLA	ND
13	H	1238	CLA	ND
13	H	1239	CLA	ND
13	H	1207	CLA	ND
13	H	1230	CLA	ND
13	R	1301	CLA	ND
13	R	1302	CLA	ND
13	T	1302	CLA	ND
13	T	1303	CLA	ND
13	U	1401	CLA	ND
13	U	1103	CLA	ND
13	U	1105	CLA	ND
13	V	1501	CLA	ND
13	V	1502	CLA	ND
13	V	1503	CLA	ND
13	Y	501	CLA	ND
13	Y	502	CLA	ND
13	Y	503	CLA	ND
13	Y	504	CLA	ND
13	Y	505	CLA	ND
13	Y	506	CLA	ND
13	Y	507	CLA	ND
13	Y	508	CLA	ND
13	Y	509	CLA	ND
13	Y	510	CLA	ND
13	Y	511	CLA	ND
13	Y	512	CLA	ND
13	Y	513	CLA	ND
13	Y	516	CLA	ND
13	Y	517	CLA	ND
13	Y	518	CLA	ND
13	Y	519	CLA	ND
13	Z	501	CLA	ND
13	Z	502	CLA	ND
13	Z	503	CLA	ND
13	Z	504	CLA	ND
13	Z	505	CLA	ND
13	Z	506	CLA	ND
13	Z	507	CLA	ND
13	Z	508	CLA	ND

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Mol	Chain	Res	Type	Atom
13	Z	509	CLA	ND
13	Z	510	CLA	ND
13	Z	511	CLA	ND
13	Z	512	CLA	ND
13	Z	513	CLA	ND
13	Z	516	CLA	ND
13	Z	517	CLA	ND
13	Z	518	CLA	ND
13	Z	519	CLA	ND
13	a	501	CLA	ND
13	a	502	CLA	ND
13	a	503	CLA	ND
13	a	504	CLA	ND
13	a	505	CLA	ND
13	a	506	CLA	ND
13	a	507	CLA	ND
13	a	508	CLA	ND
13	a	509	CLA	ND
13	a	510	CLA	ND
13	a	511	CLA	ND
13	a	512	CLA	ND
13	a	513	CLA	ND
13	a	516	CLA	ND
13	a	517	CLA	ND
13	a	518	CLA	ND
13	a	519	CLA	ND
13	b	501	CLA	ND
13	b	502	CLA	ND
13	b	503	CLA	ND
13	b	504	CLA	ND
13	b	505	CLA	ND
13	b	506	CLA	ND
13	b	507	CLA	ND
13	b	508	CLA	ND
13	b	509	CLA	ND
13	b	510	CLA	ND
13	b	511	CLA	ND
13	b	512	CLA	ND
13	b	513	CLA	ND
13	b	516	CLA	ND
13	b	517	CLA	ND
13	b	518	CLA	ND

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Mol	Chain	Res	Type	Atom
13	b	519	CLA	ND
13	c	501	CLA	ND
13	c	502	CLA	ND
13	c	503	CLA	ND
13	c	504	CLA	ND
13	c	505	CLA	ND
13	c	506	CLA	ND
13	c	507	CLA	ND
13	c	508	CLA	ND
13	c	509	CLA	ND
13	c	510	CLA	ND
13	c	511	CLA	ND
13	c	512	CLA	ND
13	c	513	CLA	ND
13	c	516	CLA	ND
13	c	517	CLA	ND
13	c	518	CLA	ND
13	c	519	CLA	ND
13	d	501	CLA	ND
13	d	502	CLA	ND
13	d	503	CLA	ND
13	d	504	CLA	ND
13	d	505	CLA	ND
13	d	506	CLA	ND
13	d	507	CLA	ND
13	d	508	CLA	ND
13	d	509	CLA	ND
13	d	510	CLA	ND
13	d	511	CLA	ND
13	d	512	CLA	ND
13	d	513	CLA	ND
13	d	516	CLA	ND
13	d	517	CLA	ND
13	d	518	CLA	ND
13	d	519	CLA	ND
13	e	1011	CLA	ND
13	e	1013	CLA	ND
13	e	1102	CLA	ND
13	e	1103	CLA	ND
13	e	1104	CLA	ND
13	e	1105	CLA	ND
13	e	1106	CLA	ND

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Mol	Chain	Res	Type	Atom
13	e	1107	CLA	ND
13	e	1108	CLA	ND
13	e	1109	CLA	ND
13	e	1110	CLA	ND
13	e	1111	CLA	ND
13	e	1112	CLA	ND
13	e	1113	CLA	ND
13	e	1114	CLA	ND
13	e	1115	CLA	ND
13	e	1116	CLA	ND
13	e	1117	CLA	ND
13	e	1118	CLA	ND
13	e	1119	CLA	ND
13	e	1120	CLA	ND
13	e	1121	CLA	ND
13	e	1122	CLA	ND
13	e	1123	CLA	ND
13	e	1124	CLA	ND
13	e	1125	CLA	ND
13	e	1126	CLA	ND
13	e	1127	CLA	ND
13	e	1128	CLA	ND
13	e	1129	CLA	ND
13	e	1131	CLA	ND
13	e	1132	CLA	ND
13	e	1133	CLA	ND
13	e	1134	CLA	ND
13	e	1135	CLA	ND
13	e	1136	CLA	ND
13	e	1137	CLA	ND
13	e	1138	CLA	ND
13	e	1139	CLA	ND
13	e	1140	CLA	ND
13	e	1237	CLA	ND
13	e	1801	CLA	ND
13	e	1022	CLA	ND
13	e	1101	CLA	ND
13	e	1130	CLA	ND
13	f	1012	CLA	ND
13	f	1021	CLA	ND
13	f	1023	CLA	ND
13	f	1201	CLA	ND

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Mol	Chain	Res	Type	Atom
13	f	1202	CLA	ND
13	f	1203	CLA	ND
13	f	1204	CLA	ND
13	f	1205	CLA	ND
13	f	1206	CLA	ND
13	f	1208	CLA	ND
13	f	1209	CLA	ND
13	f	1210	CLA	ND
13	f	1211	CLA	ND
13	f	1212	CLA	ND
13	f	1213	CLA	ND
13	f	1214	CLA	ND
13	f	1215	CLA	ND
13	f	1216	CLA	ND
13	f	1217	CLA	ND
13	f	1218	CLA	ND
13	f	1219	CLA	ND
13	f	1220	CLA	ND
13	f	1221	CLA	ND
13	f	1222	CLA	ND
13	f	1223	CLA	ND
13	f	1224	CLA	ND
13	f	1225	CLA	ND
13	f	1226	CLA	ND
13	f	1227	CLA	ND
13	f	1228	CLA	ND
13	f	1229	CLA	ND
13	f	1231	CLA	ND
13	f	1232	CLA	ND
13	f	1234	CLA	ND
13	f	1235	CLA	ND
13	f	1238	CLA	ND
13	f	1239	CLA	ND
13	f	1207	CLA	ND
13	f	1230	CLA	ND
13	j	1301	CLA	ND
13	j	1302	CLA	ND
13	l	1302	CLA	ND
13	l	1303	CLA	ND
13	m	1401	CLA	ND
13	m	1103	CLA	ND
13	m	1105	CLA	ND

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Mol	Chain	Res	Type	Atom
13	n	1501	CLA	ND
13	n	1502	CLA	ND
13	n	1503	CLA	ND
13	q	501	CLA	ND
13	q	502	CLA	ND
13	q	503	CLA	ND
13	q	504	CLA	ND
13	q	505	CLA	ND
13	q	506	CLA	ND
13	q	507	CLA	ND
13	q	508	CLA	ND
13	q	509	CLA	ND
13	q	510	CLA	ND
13	q	511	CLA	ND
13	q	512	CLA	ND
13	q	513	CLA	ND
13	q	516	CLA	ND
13	q	517	CLA	ND
13	q	518	CLA	ND
13	q	519	CLA	ND
13	r	501	CLA	ND
13	r	502	CLA	ND
13	r	503	CLA	ND
13	r	504	CLA	ND
13	r	505	CLA	ND
13	r	506	CLA	ND
13	r	507	CLA	ND
13	r	508	CLA	ND
13	r	509	CLA	ND
13	r	510	CLA	ND
13	r	511	CLA	ND
13	r	512	CLA	ND
13	r	513	CLA	ND
13	r	516	CLA	ND
13	r	517	CLA	ND
13	r	518	CLA	ND
13	r	519	CLA	ND
13	s	501	CLA	ND
13	s	502	CLA	ND
13	s	503	CLA	ND
13	s	504	CLA	ND
13	s	505	CLA	ND

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Mol	Chain	Res	Type	Atom
13	s	506	CLA	ND
13	s	507	CLA	ND
13	s	508	CLA	ND
13	s	509	CLA	ND
13	s	510	CLA	ND
13	s	511	CLA	ND
13	s	512	CLA	ND
13	s	513	CLA	ND
13	s	516	CLA	ND
13	s	517	CLA	ND
13	s	518	CLA	ND
13	s	519	CLA	ND
13	t	501	CLA	ND
13	t	502	CLA	ND
13	t	503	CLA	ND
13	t	504	CLA	ND
13	t	505	CLA	ND
13	t	506	CLA	ND
13	t	507	CLA	ND
13	t	508	CLA	ND
13	t	509	CLA	ND
13	t	510	CLA	ND
13	t	511	CLA	ND
13	t	512	CLA	ND
13	t	513	CLA	ND
13	t	516	CLA	ND
13	t	517	CLA	ND
13	t	518	CLA	ND
13	t	519	CLA	ND
13	u	501	CLA	ND
13	u	502	CLA	ND
13	u	503	CLA	ND
13	u	504	CLA	ND
13	u	505	CLA	ND
13	u	506	CLA	ND
13	u	507	CLA	ND
13	u	508	CLA	ND
13	u	509	CLA	ND
13	u	510	CLA	ND
13	u	511	CLA	ND
13	u	512	CLA	ND
13	u	513	CLA	ND

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Mol	Chain	Res	Type	Atom
13	u	516	CLA	ND
13	u	517	CLA	ND
13	u	518	CLA	ND
13	u	519	CLA	ND
13	v	501	CLA	ND
13	v	502	CLA	ND
13	v	503	CLA	ND
13	v	504	CLA	ND
13	v	505	CLA	ND
13	v	506	CLA	ND
13	v	507	CLA	ND
13	v	508	CLA	ND
13	v	509	CLA	ND
13	v	510	CLA	ND
13	v	511	CLA	ND
13	v	512	CLA	ND
13	v	513	CLA	ND
13	v	516	CLA	ND
13	v	517	CLA	ND
13	v	518	CLA	ND
13	v	519	CLA	ND

All (8073) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
13	A	1011	CLA	CHA-CBD-CGD-O1D
13	A	1102	CLA	C3A-C2A-CAA-CBA
13	A	1103	CLA	C1A-C2A-CAA-CBA
13	A	1103	CLA	CHA-CBD-CGD-O1D
13	A	1103	CLA	CHA-CBD-CGD-O2D
13	A	1103	CLA	CAD-CBD-CGD-O1D
13	A	1104	CLA	C1A-C2A-CAA-CBA
13	A	1104	CLA	C4-C3-C5-C6
13	A	1106	CLA	C3A-C2A-CAA-CBA
13	A	1108	CLA	C1A-C2A-CAA-CBA
13	A	1108	CLA	C3A-C2A-CAA-CBA
13	A	1108	CLA	CHA-CBD-CGD-O2D
13	A	1110	CLA	C1A-C2A-CAA-CBA
13	A	1110	CLA	C3A-C2A-CAA-CBA
13	A	1110	CLA	C2-C3-C5-C6
13	A	1110	CLA	C4-C3-C5-C6
13	A	1116	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	A	1117	CLA	CBD-CGD-O2D-CED
13	A	1122	CLA	CHA-CBD-CGD-O1D
13	A	1122	CLA	CHA-CBD-CGD-O2D
13	A	1122	CLA	C2-C3-C5-C6
13	A	1122	CLA	C4-C3-C5-C6
13	A	1126	CLA	C1A-C2A-CAA-CBA
13	A	1126	CLA	C3A-C2A-CAA-CBA
13	A	1131	CLA	CBD-CGD-O2D-CED
13	A	1132	CLA	CHA-CBD-CGD-O2D
13	A	1134	CLA	C1A-C2A-CAA-CBA
13	A	1134	CLA	CHA-CBD-CGD-O1D
13	A	1134	CLA	CHA-CBD-CGD-O2D
13	A	1134	CLA	C2-C3-C5-C6
13	A	1134	CLA	C4-C3-C5-C6
13	A	1137	CLA	CHA-CBD-CGD-O1D
13	A	1137	CLA	CHA-CBD-CGD-O2D
13	A	1139	CLA	C1A-C2A-CAA-CBA
13	A	1139	CLA	C3A-C2A-CAA-CBA
13	A	1139	CLA	CBD-CGD-O2D-CED
13	A	1139	CLA	C2-C3-C5-C6
13	A	1139	CLA	C4-C3-C5-C6
13	A	1140	CLA	C1A-C2A-CAA-CBA
13	A	1140	CLA	C2-C3-C5-C6
13	A	1140	CLA	C4-C3-C5-C6
13	A	1237	CLA	C4-C3-C5-C6
13	A	1101	CLA	CHA-CBD-CGD-O1D
13	A	1101	CLA	CHA-CBD-CGD-O2D
13	B	1012	CLA	CHA-CBD-CGD-O1D
13	B	1012	CLA	CHA-CBD-CGD-O2D
13	B	1012	CLA	CAD-CBD-CGD-O1D
13	B	1012	CLA	C2-C3-C5-C6
13	B	1012	CLA	C4-C3-C5-C6
13	B	1021	CLA	CHA-CBD-CGD-O1D
13	B	1202	CLA	C1A-C2A-CAA-CBA
13	B	1202	CLA	C3A-C2A-CAA-CBA
13	B	1204	CLA	CHA-CBD-CGD-O1D
13	B	1204	CLA	CHA-CBD-CGD-O2D
13	B	1209	CLA	C1A-C2A-CAA-CBA
13	B	1209	CLA	C3A-C2A-CAA-CBA
13	B	1209	CLA	CHA-CBD-CGD-O1D
13	B	1209	CLA	CHA-CBD-CGD-O2D
13	B	1210	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	B	1210	CLA	C11-C12-C13-C15
13	B	1211	CLA	C11-C10-C8-C7
13	B	1212	CLA	C2-C3-C5-C6
13	B	1212	CLA	C4-C3-C5-C6
13	B	1214	CLA	C2A-CAA-CBA-CGA
13	B	1214	CLA	O2A-C1-C2-C3
13	B	1215	CLA	C1A-C2A-CAA-CBA
13	B	1215	CLA	C3A-C2A-CAA-CBA
13	B	1217	CLA	C1A-C2A-CAA-CBA
13	B	1217	CLA	C3A-C2A-CAA-CBA
13	B	1217	CLA	C2A-CAA-CBA-CGA
13	B	1221	CLA	C1A-C2A-CAA-CBA
13	B	1223	CLA	CHA-CBD-CGD-O1D
13	B	1223	CLA	CHA-CBD-CGD-O2D
13	B	1224	CLA	C1A-C2A-CAA-CBA
13	B	1224	CLA	C3A-C2A-CAA-CBA
13	B	1240	CLA	C1A-C2A-CAA-CBA
13	B	1240	CLA	CHA-CBD-CGD-O1D
13	B	1240	CLA	CHA-CBD-CGD-O2D
13	B	1230	CLA	C1A-C2A-CAA-CBA
13	B	1230	CLA	C3A-C2A-CAA-CBA
13	F	1302	CLA	C1A-C2A-CAA-CBA
13	F	1302	CLA	C3A-C2A-CAA-CBA
13	J	1302	CLA	CHA-CBD-CGD-O1D
13	J	1302	CLA	CHA-CBD-CGD-O2D
13	J	1302	CLA	CAD-CBD-CGD-O1D
13	J	1303	CLA	C1A-C2A-CAA-CBA
13	K	1401	CLA	C1A-C2A-CAA-CBA
13	K	1401	CLA	CHA-CBD-CGD-O1D
13	K	1401	CLA	CHA-CBD-CGD-O2D
13	1	501	CLA	CHA-CBD-CGD-O1D
13	1	501	CLA	CHA-CBD-CGD-O2D
13	1	501	CLA	CAD-CBD-CGD-O1D
13	1	501	CLA	CBD-CGD-O2D-CED
13	1	506	CLA	CHA-CBD-CGD-O1D
13	1	506	CLA	CHA-CBD-CGD-O2D
13	1	507	CLA	C2-C3-C5-C6
13	1	507	CLA	C4-C3-C5-C6
13	1	508	CLA	C2-C3-C5-C6
13	1	508	CLA	C4-C3-C5-C6
13	1	510	CLA	CBD-CGD-O2D-CED
13	1	512	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	1	516	CLA	C1A-C2A-CAA-CBA
13	1	516	CLA	C3A-C2A-CAA-CBA
13	1	516	CLA	CHA-CBD-CGD-O1D
13	1	516	CLA	CHA-CBD-CGD-O2D
13	1	516	CLA	CAD-CBD-CGD-O1D
13	1	518	CLA	C2-C3-C5-C6
13	1	518	CLA	C4-C3-C5-C6
13	2	501	CLA	CBD-CGD-O2D-CED
13	2	501	CLA	C2-C3-C5-C6
13	2	501	CLA	C4-C3-C5-C6
13	2	502	CLA	CHA-CBD-CGD-O1D
13	2	506	CLA	C2-C3-C5-C6
13	2	506	CLA	C4-C3-C5-C6
13	2	507	CLA	C2-C3-C5-C6
13	2	507	CLA	C4-C3-C5-C6
13	2	513	CLA	CBD-CGD-O2D-CED
13	2	516	CLA	CHA-CBD-CGD-O1D
13	2	516	CLA	CHA-CBD-CGD-O2D
13	2	518	CLA	CHA-CBD-CGD-O1D
13	2	518	CLA	CHA-CBD-CGD-O2D
13	2	518	CLA	C2-C3-C5-C6
13	2	518	CLA	C4-C3-C5-C6
13	3	510	CLA	CHA-CBD-CGD-O1D
13	3	510	CLA	CHA-CBD-CGD-O2D
13	3	510	CLA	CAD-CBD-CGD-O1D
13	3	513	CLA	C1A-C2A-CAA-CBA
13	3	513	CLA	CBD-CGD-O2D-CED
13	3	516	CLA	C2A-CAA-CBA-CGA
13	3	516	CLA	CHA-CBD-CGD-O1D
13	3	516	CLA	CHA-CBD-CGD-O2D
13	3	516	CLA	CAD-CBD-CGD-O1D
13	3	517	CLA	CBD-CGD-O2D-CED
13	3	518	CLA	CHA-CBD-CGD-O1D
13	3	518	CLA	CHA-CBD-CGD-O2D
13	4	501	CLA	CHA-CBD-CGD-O1D
13	4	501	CLA	CBD-CGD-O2D-CED
13	4	501	CLA	O1D-CGD-O2D-CED
13	4	506	CLA	CBD-CGD-O2D-CED
13	4	510	CLA	CBD-CGD-O2D-CED
13	4	513	CLA	CHA-CBD-CGD-O1D
13	4	513	CLA	CHA-CBD-CGD-O2D
13	4	517	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	4	517	CLA	C3A-C2A-CAA-CBA
13	4	519	CLA	CHA-CBD-CGD-O1D
13	4	519	CLA	CHA-CBD-CGD-O2D
13	4	519	CLA	CAD-CBD-CGD-O1D
13	4	519	CLA	CAD-CBD-CGD-O2D
13	5	501	CLA	CBD-CGD-O2D-CED
13	5	501	CLA	C4-C3-C5-C6
13	5	504	CLA	CBD-CGD-O2D-CED
13	5	505	CLA	C2A-CAA-CBA-CGA
13	5	506	CLA	CHA-CBD-CGD-O1D
13	5	506	CLA	CHA-CBD-CGD-O2D
13	5	507	CLA	CBD-CGD-O2D-CED
13	5	511	CLA	CBD-CGD-O2D-CED
13	5	513	CLA	CBD-CGD-O2D-CED
13	5	517	CLA	CHA-CBD-CGD-O1D
13	5	517	CLA	CHA-CBD-CGD-O2D
13	5	519	CLA	CHA-CBD-CGD-O1D
13	5	519	CLA	CHA-CBD-CGD-O2D
13	5	519	CLA	CAD-CBD-CGD-O1D
13	5	519	CLA	CAD-CBD-CGD-O2D
13	6	501	CLA	CBD-CGD-O2D-CED
13	6	501	CLA	C2-C3-C5-C6
13	6	501	CLA	C4-C3-C5-C6
13	6	503	CLA	C2A-CAA-CBA-CGA
13	6	504	CLA	CHA-CBD-CGD-O1D
13	6	504	CLA	CHA-CBD-CGD-O2D
13	6	505	CLA	C6-C7-C8-C9
13	6	506	CLA	CHA-CBD-CGD-O1D
13	6	506	CLA	CHA-CBD-CGD-O2D
13	6	508	CLA	CHA-CBD-CGD-O1D
13	6	508	CLA	CHA-CBD-CGD-O2D
13	6	510	CLA	CHA-CBD-CGD-O1D
13	6	510	CLA	CHA-CBD-CGD-O2D
13	6	513	CLA	CBD-CGD-O2D-CED
13	6	516	CLA	CBD-CGD-O2D-CED
13	6	517	CLA	CHA-CBD-CGD-O1D
13	6	517	CLA	CHA-CBD-CGD-O2D
13	6	517	CLA	CAD-CBD-CGD-O1D
13	6	518	CLA	CHA-CBD-CGD-O1D
13	6	518	CLA	CHA-CBD-CGD-O2D
13	6	519	CLA	CBA-CGA-O2A-C1
13	G	1011	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	G	1102	CLA	C3A-C2A-CAA-CBA
13	G	1103	CLA	C1A-C2A-CAA-CBA
13	G	1103	CLA	CHA-CBD-CGD-O1D
13	G	1103	CLA	CHA-CBD-CGD-O2D
13	G	1103	CLA	CAD-CBD-CGD-O1D
13	G	1104	CLA	C1A-C2A-CAA-CBA
13	G	1104	CLA	C4-C3-C5-C6
13	G	1106	CLA	C3A-C2A-CAA-CBA
13	G	1108	CLA	C1A-C2A-CAA-CBA
13	G	1108	CLA	C3A-C2A-CAA-CBA
13	G	1110	CLA	C1A-C2A-CAA-CBA
13	G	1110	CLA	C3A-C2A-CAA-CBA
13	G	1110	CLA	C2-C3-C5-C6
13	G	1110	CLA	C4-C3-C5-C6
13	G	1116	CLA	C3A-C2A-CAA-CBA
13	G	1117	CLA	CBD-CGD-O2D-CED
13	G	1122	CLA	CHA-CBD-CGD-O1D
13	G	1122	CLA	CHA-CBD-CGD-O2D
13	G	1122	CLA	C2-C3-C5-C6
13	G	1122	CLA	C4-C3-C5-C6
13	G	1126	CLA	C1A-C2A-CAA-CBA
13	G	1126	CLA	C3A-C2A-CAA-CBA
13	G	1131	CLA	CBD-CGD-O2D-CED
13	G	1132	CLA	CHA-CBD-CGD-O2D
13	G	1134	CLA	C1A-C2A-CAA-CBA
13	G	1134	CLA	CHA-CBD-CGD-O1D
13	G	1134	CLA	CHA-CBD-CGD-O2D
13	G	1134	CLA	C2-C3-C5-C6
13	G	1134	CLA	C4-C3-C5-C6
13	G	1137	CLA	CHA-CBD-CGD-O1D
13	G	1137	CLA	CHA-CBD-CGD-O2D
13	G	1139	CLA	C1A-C2A-CAA-CBA
13	G	1139	CLA	C3A-C2A-CAA-CBA
13	G	1139	CLA	CBD-CGD-O2D-CED
13	G	1139	CLA	C2-C3-C5-C6
13	G	1139	CLA	C4-C3-C5-C6
13	G	1140	CLA	C1A-C2A-CAA-CBA
13	G	1140	CLA	C2-C3-C5-C6
13	G	1140	CLA	C4-C3-C5-C6
13	G	1237	CLA	C4-C3-C5-C6
13	G	1101	CLA	CHA-CBD-CGD-O1D
13	G	1101	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	H	1012	CLA	CHA-CBD-CGD-O1D
13	H	1012	CLA	CHA-CBD-CGD-O2D
13	H	1012	CLA	CAD-CBD-CGD-O1D
13	H	1012	CLA	C2-C3-C5-C6
13	H	1012	CLA	C4-C3-C5-C6
13	H	1021	CLA	CHA-CBD-CGD-O1D
13	H	1202	CLA	C1A-C2A-CAA-CBA
13	H	1202	CLA	C3A-C2A-CAA-CBA
13	H	1204	CLA	CHA-CBD-CGD-O1D
13	H	1204	CLA	CHA-CBD-CGD-O2D
13	H	1209	CLA	C1A-C2A-CAA-CBA
13	H	1209	CLA	C3A-C2A-CAA-CBA
13	H	1209	CLA	CHA-CBD-CGD-O1D
13	H	1209	CLA	CHA-CBD-CGD-O2D
13	H	1210	CLA	C1A-C2A-CAA-CBA
13	H	1210	CLA	C11-C12-C13-C15
13	H	1211	CLA	C11-C10-C8-C7
13	H	1212	CLA	C2-C3-C5-C6
13	H	1212	CLA	C4-C3-C5-C6
13	H	1214	CLA	C2A-CAA-CBA-CGA
13	H	1214	CLA	O2A-C1-C2-C3
13	H	1215	CLA	C1A-C2A-CAA-CBA
13	H	1215	CLA	C3A-C2A-CAA-CBA
13	H	1217	CLA	C1A-C2A-CAA-CBA
13	H	1217	CLA	C3A-C2A-CAA-CBA
13	H	1217	CLA	C2A-CAA-CBA-CGA
13	H	1221	CLA	C1A-C2A-CAA-CBA
13	H	1223	CLA	CHA-CBD-CGD-O1D
13	H	1223	CLA	CHA-CBD-CGD-O2D
13	H	1224	CLA	C1A-C2A-CAA-CBA
13	H	1224	CLA	C3A-C2A-CAA-CBA
13	H	1240	CLA	C1A-C2A-CAA-CBA
13	H	1240	CLA	CHA-CBD-CGD-O1D
13	H	1240	CLA	CHA-CBD-CGD-O2D
13	H	1230	CLA	C1A-C2A-CAA-CBA
13	H	1230	CLA	C3A-C2A-CAA-CBA
13	R	1302	CLA	C1A-C2A-CAA-CBA
13	R	1302	CLA	C3A-C2A-CAA-CBA
13	T	1302	CLA	CHA-CBD-CGD-O1D
13	T	1302	CLA	CHA-CBD-CGD-O2D
13	T	1302	CLA	CAD-CBD-CGD-O1D
13	T	1303	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	U	1401	CLA	C1A-C2A-CAA-CBA
13	U	1401	CLA	CHA-CBD-CGD-O1D
13	U	1401	CLA	CHA-CBD-CGD-O2D
13	Y	501	CLA	CHA-CBD-CGD-O1D
13	Y	501	CLA	CHA-CBD-CGD-O2D
13	Y	501	CLA	CAD-CBD-CGD-O1D
13	Y	501	CLA	CBD-CGD-O2D-CED
13	Y	506	CLA	CHA-CBD-CGD-O1D
13	Y	506	CLA	CHA-CBD-CGD-O2D
13	Y	507	CLA	C2-C3-C5-C6
13	Y	507	CLA	C4-C3-C5-C6
13	Y	508	CLA	C2-C3-C5-C6
13	Y	508	CLA	C4-C3-C5-C6
13	Y	510	CLA	CBD-CGD-O2D-CED
13	Y	512	CLA	C3-C5-C6-C7
13	Y	516	CLA	C1A-C2A-CAA-CBA
13	Y	516	CLA	C3A-C2A-CAA-CBA
13	Y	516	CLA	CHA-CBD-CGD-O1D
13	Y	516	CLA	CHA-CBD-CGD-O2D
13	Y	516	CLA	CAD-CBD-CGD-O1D
13	Y	518	CLA	C2-C3-C5-C6
13	Y	518	CLA	C4-C3-C5-C6
13	Z	501	CLA	CBD-CGD-O2D-CED
13	Z	501	CLA	C2-C3-C5-C6
13	Z	501	CLA	C4-C3-C5-C6
13	Z	502	CLA	CHA-CBD-CGD-O1D
13	Z	506	CLA	C2-C3-C5-C6
13	Z	506	CLA	C4-C3-C5-C6
13	Z	507	CLA	C2-C3-C5-C6
13	Z	507	CLA	C4-C3-C5-C6
13	Z	513	CLA	CBD-CGD-O2D-CED
13	Z	516	CLA	CHA-CBD-CGD-O1D
13	Z	516	CLA	CHA-CBD-CGD-O2D
13	Z	518	CLA	CHA-CBD-CGD-O1D
13	Z	518	CLA	CHA-CBD-CGD-O2D
13	Z	518	CLA	C2-C3-C5-C6
13	Z	518	CLA	C4-C3-C5-C6
13	a	510	CLA	CHA-CBD-CGD-O1D
13	a	510	CLA	CHA-CBD-CGD-O2D
13	a	510	CLA	CAD-CBD-CGD-O1D
13	a	513	CLA	C1A-C2A-CAA-CBA
13	a	513	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	a	516	CLA	C2A-CAA-CBA-CGA
13	a	516	CLA	CHA-CBD-CGD-O1D
13	a	516	CLA	CHA-CBD-CGD-O2D
13	a	517	CLA	CBD-CGD-O2D-CED
13	a	518	CLA	CHA-CBD-CGD-O1D
13	a	518	CLA	CHA-CBD-CGD-O2D
13	b	501	CLA	CBD-CGD-O2D-CED
13	b	501	CLA	O1D-CGD-O2D-CED
13	b	506	CLA	CBD-CGD-O2D-CED
13	b	510	CLA	CBD-CGD-O2D-CED
13	b	513	CLA	CHA-CBD-CGD-O1D
13	b	513	CLA	CHA-CBD-CGD-O2D
13	b	517	CLA	C1A-C2A-CAA-CBA
13	b	517	CLA	C3A-C2A-CAA-CBA
13	b	519	CLA	CHA-CBD-CGD-O1D
13	b	519	CLA	CHA-CBD-CGD-O2D
13	b	519	CLA	CAD-CBD-CGD-O1D
13	b	519	CLA	CAD-CBD-CGD-O2D
13	c	501	CLA	CBD-CGD-O2D-CED
13	c	501	CLA	C4-C3-C5-C6
13	c	504	CLA	CBD-CGD-O2D-CED
13	c	505	CLA	C2A-CAA-CBA-CGA
13	c	506	CLA	CHA-CBD-CGD-O1D
13	c	506	CLA	CHA-CBD-CGD-O2D
13	c	507	CLA	CBD-CGD-O2D-CED
13	c	511	CLA	CBD-CGD-O2D-CED
13	c	513	CLA	CBD-CGD-O2D-CED
13	c	517	CLA	CHA-CBD-CGD-O1D
13	c	517	CLA	CHA-CBD-CGD-O2D
13	c	519	CLA	CHA-CBD-CGD-O1D
13	c	519	CLA	CHA-CBD-CGD-O2D
13	c	519	CLA	CAD-CBD-CGD-O1D
13	c	519	CLA	CAD-CBD-CGD-O2D
13	d	501	CLA	CBD-CGD-O2D-CED
13	d	501	CLA	C2-C3-C5-C6
13	d	501	CLA	C4-C3-C5-C6
13	d	503	CLA	C2A-CAA-CBA-CGA
13	d	504	CLA	CHA-CBD-CGD-O1D
13	d	504	CLA	CHA-CBD-CGD-O2D
13	d	505	CLA	C6-C7-C8-C9
13	d	506	CLA	CHA-CBD-CGD-O1D
13	d	506	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	d	508	CLA	CHA-CBD-CGD-O1D
13	d	508	CLA	CHA-CBD-CGD-O2D
13	d	510	CLA	CHA-CBD-CGD-O1D
13	d	510	CLA	CHA-CBD-CGD-O2D
13	d	513	CLA	CBD-CGD-O2D-CED
13	d	516	CLA	CBD-CGD-O2D-CED
13	d	517	CLA	CHA-CBD-CGD-O1D
13	d	517	CLA	CHA-CBD-CGD-O2D
13	d	517	CLA	CAD-CBD-CGD-O1D
13	d	518	CLA	CHA-CBD-CGD-O1D
13	d	518	CLA	CHA-CBD-CGD-O2D
13	d	519	CLA	CBA-CGA-O2A-C1
13	e	1011	CLA	CHA-CBD-CGD-O1D
13	e	1102	CLA	C3A-C2A-CAA-CBA
13	e	1103	CLA	C1A-C2A-CAA-CBA
13	e	1103	CLA	CHA-CBD-CGD-O1D
13	e	1103	CLA	CHA-CBD-CGD-O2D
13	e	1103	CLA	CAD-CBD-CGD-O1D
13	e	1104	CLA	C1A-C2A-CAA-CBA
13	e	1104	CLA	C4-C3-C5-C6
13	e	1106	CLA	C3A-C2A-CAA-CBA
13	e	1108	CLA	C1A-C2A-CAA-CBA
13	e	1108	CLA	C3A-C2A-CAA-CBA
13	e	1108	CLA	CHA-CBD-CGD-O2D
13	e	1110	CLA	C1A-C2A-CAA-CBA
13	e	1110	CLA	C3A-C2A-CAA-CBA
13	e	1110	CLA	C2-C3-C5-C6
13	e	1110	CLA	C4-C3-C5-C6
13	e	1116	CLA	C3A-C2A-CAA-CBA
13	e	1117	CLA	CBD-CGD-O2D-CED
13	e	1122	CLA	CHA-CBD-CGD-O1D
13	e	1122	CLA	CHA-CBD-CGD-O2D
13	e	1122	CLA	C2-C3-C5-C6
13	e	1122	CLA	C4-C3-C5-C6
13	e	1126	CLA	C1A-C2A-CAA-CBA
13	e	1126	CLA	C3A-C2A-CAA-CBA
13	e	1131	CLA	CBD-CGD-O2D-CED
13	e	1132	CLA	CHA-CBD-CGD-O2D
13	e	1134	CLA	C1A-C2A-CAA-CBA
13	e	1134	CLA	CHA-CBD-CGD-O1D
13	e	1134	CLA	CHA-CBD-CGD-O2D
13	e	1134	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	e	1134	CLA	C4-C3-C5-C6
13	e	1137	CLA	CHA-CBD-CGD-O1D
13	e	1137	CLA	CHA-CBD-CGD-O2D
13	e	1139	CLA	C1A-C2A-CAA-CBA
13	e	1139	CLA	C3A-C2A-CAA-CBA
13	e	1139	CLA	CBD-CGD-O2D-CED
13	e	1139	CLA	C2-C3-C5-C6
13	e	1139	CLA	C4-C3-C5-C6
13	e	1140	CLA	C1A-C2A-CAA-CBA
13	e	1140	CLA	C2-C3-C5-C6
13	e	1140	CLA	C4-C3-C5-C6
13	e	1237	CLA	C4-C3-C5-C6
13	e	1101	CLA	CHA-CBD-CGD-O1D
13	e	1101	CLA	CHA-CBD-CGD-O2D
13	f	1012	CLA	CHA-CBD-CGD-O1D
13	f	1012	CLA	CHA-CBD-CGD-O2D
13	f	1012	CLA	CAD-CBD-CGD-O1D
13	f	1012	CLA	C2-C3-C5-C6
13	f	1012	CLA	C4-C3-C5-C6
13	f	1021	CLA	CHA-CBD-CGD-O1D
13	f	1202	CLA	C1A-C2A-CAA-CBA
13	f	1202	CLA	C3A-C2A-CAA-CBA
13	f	1204	CLA	CHA-CBD-CGD-O1D
13	f	1204	CLA	CHA-CBD-CGD-O2D
13	f	1209	CLA	C1A-C2A-CAA-CBA
13	f	1209	CLA	C3A-C2A-CAA-CBA
13	f	1209	CLA	CHA-CBD-CGD-O1D
13	f	1209	CLA	CHA-CBD-CGD-O2D
13	f	1210	CLA	C1A-C2A-CAA-CBA
13	f	1210	CLA	C11-C12-C13-C15
13	f	1211	CLA	C11-C10-C8-C7
13	f	1212	CLA	C2-C3-C5-C6
13	f	1212	CLA	C4-C3-C5-C6
13	f	1214	CLA	C2A-CAA-CBA-CGA
13	f	1214	CLA	O2A-C1-C2-C3
13	f	1215	CLA	C1A-C2A-CAA-CBA
13	f	1215	CLA	C3A-C2A-CAA-CBA
13	f	1217	CLA	C1A-C2A-CAA-CBA
13	f	1217	CLA	C3A-C2A-CAA-CBA
13	f	1217	CLA	C2A-CAA-CBA-CGA
13	f	1221	CLA	C1A-C2A-CAA-CBA
13	f	1223	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	f	1223	CLA	CHA-CBD-CGD-O2D
13	f	1224	CLA	C1A-C2A-CAA-CBA
13	f	1224	CLA	C3A-C2A-CAA-CBA
13	f	1240	CLA	C1A-C2A-CAA-CBA
13	f	1240	CLA	CHA-CBD-CGD-O1D
13	f	1240	CLA	CHA-CBD-CGD-O2D
13	f	1230	CLA	C1A-C2A-CAA-CBA
13	f	1230	CLA	C3A-C2A-CAA-CBA
13	j	1302	CLA	C1A-C2A-CAA-CBA
13	j	1302	CLA	C3A-C2A-CAA-CBA
13	l	1302	CLA	CHA-CBD-CGD-O1D
13	l	1302	CLA	CHA-CBD-CGD-O2D
13	l	1302	CLA	CAD-CBD-CGD-O1D
13	l	1303	CLA	C1A-C2A-CAA-CBA
13	m	1401	CLA	C1A-C2A-CAA-CBA
13	m	1401	CLA	CHA-CBD-CGD-O1D
13	m	1401	CLA	CHA-CBD-CGD-O2D
13	q	501	CLA	CHA-CBD-CGD-O1D
13	q	501	CLA	CHA-CBD-CGD-O2D
13	q	501	CLA	CAD-CBD-CGD-O1D
13	q	501	CLA	CBD-CGD-O2D-CED
13	q	506	CLA	CHA-CBD-CGD-O1D
13	q	506	CLA	CHA-CBD-CGD-O2D
13	q	507	CLA	C2-C3-C5-C6
13	q	507	CLA	C4-C3-C5-C6
13	q	508	CLA	C2-C3-C5-C6
13	q	508	CLA	C4-C3-C5-C6
13	q	510	CLA	CBD-CGD-O2D-CED
13	q	512	CLA	C3-C5-C6-C7
13	q	516	CLA	C1A-C2A-CAA-CBA
13	q	516	CLA	C3A-C2A-CAA-CBA
13	q	516	CLA	CHA-CBD-CGD-O1D
13	q	516	CLA	CHA-CBD-CGD-O2D
13	q	516	CLA	CAD-CBD-CGD-O1D
13	q	518	CLA	C2-C3-C5-C6
13	q	518	CLA	C4-C3-C5-C6
13	r	501	CLA	CBD-CGD-O2D-CED
13	r	501	CLA	C2-C3-C5-C6
13	r	501	CLA	C4-C3-C5-C6
13	r	502	CLA	CHA-CBD-CGD-O1D
13	r	506	CLA	C2-C3-C5-C6
13	r	506	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	r	507	CLA	C2-C3-C5-C6
13	r	507	CLA	C4-C3-C5-C6
13	r	513	CLA	CBD-CGD-O2D-CED
13	r	516	CLA	CHA-CBD-CGD-O1D
13	r	516	CLA	CHA-CBD-CGD-O2D
13	r	518	CLA	CHA-CBD-CGD-O1D
13	r	518	CLA	CHA-CBD-CGD-O2D
13	r	518	CLA	C2-C3-C5-C6
13	r	518	CLA	C4-C3-C5-C6
13	s	510	CLA	CHA-CBD-CGD-O1D
13	s	510	CLA	CHA-CBD-CGD-O2D
13	s	510	CLA	CAD-CBD-CGD-O1D
13	s	513	CLA	C1A-C2A-CAA-CBA
13	s	513	CLA	CBD-CGD-O2D-CED
13	s	516	CLA	C2A-CAA-CBA-CGA
13	s	516	CLA	CHA-CBD-CGD-O1D
13	s	516	CLA	CHA-CBD-CGD-O2D
13	s	516	CLA	CAD-CBD-CGD-O1D
13	s	517	CLA	CBD-CGD-O2D-CED
13	s	518	CLA	CHA-CBD-CGD-O1D
13	s	518	CLA	CHA-CBD-CGD-O2D
13	t	501	CLA	CHA-CBD-CGD-O1D
13	t	501	CLA	CBD-CGD-O2D-CED
13	t	501	CLA	O1D-CGD-O2D-CED
13	t	506	CLA	CBD-CGD-O2D-CED
13	t	510	CLA	CBD-CGD-O2D-CED
13	t	513	CLA	CHA-CBD-CGD-O1D
13	t	513	CLA	CHA-CBD-CGD-O2D
13	t	517	CLA	C1A-C2A-CAA-CBA
13	t	517	CLA	C3A-C2A-CAA-CBA
13	t	519	CLA	CHA-CBD-CGD-O1D
13	t	519	CLA	CHA-CBD-CGD-O2D
13	t	519	CLA	CAD-CBD-CGD-O1D
13	t	519	CLA	CAD-CBD-CGD-O2D
13	u	501	CLA	CBD-CGD-O2D-CED
13	u	501	CLA	C4-C3-C5-C6
13	u	504	CLA	CBD-CGD-O2D-CED
13	u	505	CLA	C2A-CAA-CBA-CGA
13	u	506	CLA	CHA-CBD-CGD-O1D
13	u	506	CLA	CHA-CBD-CGD-O2D
13	u	507	CLA	CBD-CGD-O2D-CED
13	u	511	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	u	513	CLA	CBD-CGD-O2D-CED
13	u	517	CLA	CHA-CBD-CGD-O1D
13	u	517	CLA	CHA-CBD-CGD-O2D
13	u	519	CLA	CHA-CBD-CGD-O1D
13	u	519	CLA	CHA-CBD-CGD-O2D
13	u	519	CLA	CAD-CBD-CGD-O1D
13	u	519	CLA	CAD-CBD-CGD-O2D
13	v	501	CLA	CBD-CGD-O2D-CED
13	v	501	CLA	C2-C3-C5-C6
13	v	501	CLA	C4-C3-C5-C6
13	v	503	CLA	C2A-CAA-CBA-CGA
13	v	504	CLA	CHA-CBD-CGD-O1D
13	v	504	CLA	CHA-CBD-CGD-O2D
13	v	505	CLA	C6-C7-C8-C9
13	v	506	CLA	CHA-CBD-CGD-O1D
13	v	506	CLA	CHA-CBD-CGD-O2D
13	v	508	CLA	CHA-CBD-CGD-O1D
13	v	508	CLA	CHA-CBD-CGD-O2D
13	v	510	CLA	CHA-CBD-CGD-O1D
13	v	510	CLA	CHA-CBD-CGD-O2D
13	v	513	CLA	CBD-CGD-O2D-CED
13	v	516	CLA	CBD-CGD-O2D-CED
13	v	517	CLA	CHA-CBD-CGD-O1D
13	v	517	CLA	CHA-CBD-CGD-O2D
13	v	517	CLA	CAD-CBD-CGD-O1D
13	v	518	CLA	CHA-CBD-CGD-O1D
13	v	518	CLA	CHA-CBD-CGD-O2D
13	v	519	CLA	CBA-CGA-O2A-C1
16	A	4001	BCR	C11-C12-C13-C14
16	A	4001	BCR	C37-C22-C23-C24
16	A	4008	BCR	C21-C22-C23-C24
16	A	4008	BCR	C37-C22-C23-C24
16	A	4008	BCR	C23-C24-C25-C26
16	B	4004	BCR	C7-C8-C9-C10
16	B	4004	BCR	C7-C8-C9-C34
16	B	4004	BCR	C21-C22-C23-C24
16	B	4004	BCR	C37-C22-C23-C24
16	B	4004	BCR	C23-C24-C25-C30
16	B	4005	BCR	C7-C8-C9-C10
16	B	4005	BCR	C7-C8-C9-C34
16	B	4005	BCR	C21-C22-C23-C24
16	B	4005	BCR	C37-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
16	B	4005	BCR	C23-C24-C25-C30
16	B	4010	BCR	C21-C22-C23-C24
16	B	4010	BCR	C37-C22-C23-C24
16	B	4017	BCR	C1-C6-C7-C8
16	B	4014	BCR	C17-C18-C19-C20
16	B	4014	BCR	C36-C18-C19-C20
16	B	4014	BCR	C21-C22-C23-C24
16	B	4014	BCR	C37-C22-C23-C24
16	J	4013	BCR	C17-C18-C19-C20
16	J	4013	BCR	C36-C18-C19-C20
16	J	4015	BCR	C23-C24-C25-C30
16	J	4012	BCR	C5-C6-C7-C8
16	J	4012	BCR	C11-C12-C13-C14
16	J	4012	BCR	C11-C12-C13-C35
16	K	4104	BCR	C21-C22-C23-C24
16	K	4104	BCR	C37-C22-C23-C24
16	L	4019	BCR	C7-C8-C9-C10
16	L	4019	BCR	C7-C8-C9-C34
16	L	4022	BCR	C7-C8-C9-C10
16	L	4022	BCR	C7-C8-C9-C34
16	M	4021	BCR	C5-C6-C7-C8
16	M	4021	BCR	C11-C12-C13-C35
16	M	4021	BCR	C17-C18-C19-C20
16	M	4021	BCR	C36-C18-C19-C20
16	1	521	BCR	C7-C8-C9-C10
16	1	521	BCR	C7-C8-C9-C34
16	1	522	BCR	C1-C6-C7-C8
16	1	522	BCR	C5-C6-C7-C8
16	1	522	BCR	C7-C8-C9-C10
16	1	522	BCR	C7-C8-C9-C34
16	1	523	BCR	C21-C22-C23-C24
16	1	523	BCR	C37-C22-C23-C24
16	2	521	BCR	C7-C8-C9-C10
16	2	521	BCR	C7-C8-C9-C34
16	2	522	BCR	C5-C6-C7-C8
16	2	522	BCR	C7-C8-C9-C10
16	2	522	BCR	C7-C8-C9-C34
16	2	523	BCR	C21-C22-C23-C24
16	2	523	BCR	C37-C22-C23-C24
16	3	521	BCR	C7-C8-C9-C34
16	3	522	BCR	C7-C8-C9-C10
16	3	522	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
16	3	523	BCR	C37-C22-C23-C24
16	4	521	BCR	C7-C8-C9-C10
16	4	521	BCR	C7-C8-C9-C34
16	4	523	BCR	C37-C22-C23-C24
16	5	521	BCR	C7-C8-C9-C10
16	5	521	BCR	C7-C8-C9-C34
16	5	521	BCR	C17-C18-C19-C20
16	5	521	BCR	C36-C18-C19-C20
16	5	522	BCR	C5-C6-C7-C8
16	5	522	BCR	C7-C8-C9-C10
16	5	522	BCR	C7-C8-C9-C34
16	5	523	BCR	C21-C22-C23-C24
16	5	523	BCR	C37-C22-C23-C24
16	6	522	BCR	C5-C6-C7-C8
16	6	523	BCR	C37-C22-C23-C24
16	6	524	BCR	C7-C8-C9-C10
16	6	524	BCR	C7-C8-C9-C34
16	G	4001	BCR	C11-C12-C13-C14
16	G	4001	BCR	C37-C22-C23-C24
16	G	4008	BCR	C21-C22-C23-C24
16	G	4008	BCR	C37-C22-C23-C24
16	G	4008	BCR	C23-C24-C25-C26
16	H	4004	BCR	C7-C8-C9-C10
16	H	4004	BCR	C7-C8-C9-C34
16	H	4004	BCR	C21-C22-C23-C24
16	H	4004	BCR	C37-C22-C23-C24
16	H	4004	BCR	C23-C24-C25-C30
16	H	4005	BCR	C7-C8-C9-C10
16	H	4005	BCR	C7-C8-C9-C34
16	H	4005	BCR	C21-C22-C23-C24
16	H	4005	BCR	C37-C22-C23-C24
16	H	4005	BCR	C23-C24-C25-C30
16	H	4010	BCR	C21-C22-C23-C24
16	H	4010	BCR	C37-C22-C23-C24
16	H	4017	BCR	C1-C6-C7-C8
16	H	4014	BCR	C17-C18-C19-C20
16	H	4014	BCR	C36-C18-C19-C20
16	H	4014	BCR	C21-C22-C23-C24
16	H	4014	BCR	C37-C22-C23-C24
16	T	4013	BCR	C17-C18-C19-C20
16	T	4013	BCR	C36-C18-C19-C20
16	T	4015	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
16	T	4012	BCR	C5-C6-C7-C8
16	T	4012	BCR	C11-C12-C13-C14
16	T	4012	BCR	C11-C12-C13-C35
16	U	4104	BCR	C21-C22-C23-C24
16	U	4104	BCR	C37-C22-C23-C24
16	V	4019	BCR	C7-C8-C9-C10
16	V	4019	BCR	C7-C8-C9-C34
16	V	4022	BCR	C7-C8-C9-C10
16	V	4022	BCR	C7-C8-C9-C34
16	W	4021	BCR	C5-C6-C7-C8
16	W	4021	BCR	C11-C12-C13-C35
16	W	4021	BCR	C17-C18-C19-C20
16	W	4021	BCR	C36-C18-C19-C20
16	Y	521	BCR	C7-C8-C9-C10
16	Y	521	BCR	C7-C8-C9-C34
16	Y	522	BCR	C1-C6-C7-C8
16	Y	522	BCR	C5-C6-C7-C8
16	Y	522	BCR	C7-C8-C9-C10
16	Y	522	BCR	C7-C8-C9-C34
16	Y	523	BCR	C21-C22-C23-C24
16	Y	523	BCR	C37-C22-C23-C24
16	Z	521	BCR	C7-C8-C9-C10
16	Z	521	BCR	C7-C8-C9-C34
16	Z	522	BCR	C5-C6-C7-C8
16	Z	522	BCR	C7-C8-C9-C10
16	Z	522	BCR	C7-C8-C9-C34
16	Z	523	BCR	C21-C22-C23-C24
16	Z	523	BCR	C37-C22-C23-C24
16	a	521	BCR	C7-C8-C9-C34
16	a	522	BCR	C7-C8-C9-C10
16	a	522	BCR	C7-C8-C9-C34
16	a	523	BCR	C37-C22-C23-C24
16	b	521	BCR	C7-C8-C9-C10
16	b	521	BCR	C7-C8-C9-C34
16	b	523	BCR	C37-C22-C23-C24
16	c	521	BCR	C7-C8-C9-C10
16	c	521	BCR	C7-C8-C9-C34
16	c	521	BCR	C17-C18-C19-C20
16	c	521	BCR	C36-C18-C19-C20
16	c	522	BCR	C5-C6-C7-C8
16	c	522	BCR	C7-C8-C9-C10
16	c	522	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
16	c	523	BCR	C21-C22-C23-C24
16	c	523	BCR	C37-C22-C23-C24
16	d	522	BCR	C5-C6-C7-C8
16	d	523	BCR	C37-C22-C23-C24
16	d	524	BCR	C7-C8-C9-C10
16	d	524	BCR	C7-C8-C9-C34
16	e	4001	BCR	C11-C12-C13-C14
16	e	4001	BCR	C37-C22-C23-C24
16	e	4008	BCR	C21-C22-C23-C24
16	e	4008	BCR	C37-C22-C23-C24
16	e	4008	BCR	C23-C24-C25-C26
16	f	4004	BCR	C7-C8-C9-C10
16	f	4004	BCR	C7-C8-C9-C34
16	f	4004	BCR	C21-C22-C23-C24
16	f	4004	BCR	C37-C22-C23-C24
16	f	4004	BCR	C23-C24-C25-C30
16	f	4005	BCR	C7-C8-C9-C10
16	f	4005	BCR	C7-C8-C9-C34
16	f	4005	BCR	C21-C22-C23-C24
16	f	4005	BCR	C37-C22-C23-C24
16	f	4005	BCR	C23-C24-C25-C30
16	f	4010	BCR	C21-C22-C23-C24
16	f	4010	BCR	C37-C22-C23-C24
16	f	4017	BCR	C1-C6-C7-C8
16	f	4014	BCR	C17-C18-C19-C20
16	f	4014	BCR	C36-C18-C19-C20
16	f	4014	BCR	C21-C22-C23-C24
16	f	4014	BCR	C37-C22-C23-C24
16	l	4013	BCR	C17-C18-C19-C20
16	l	4013	BCR	C36-C18-C19-C20
16	l	4015	BCR	C23-C24-C25-C30
16	l	4012	BCR	C5-C6-C7-C8
16	l	4012	BCR	C11-C12-C13-C14
16	l	4012	BCR	C11-C12-C13-C35
16	m	4104	BCR	C21-C22-C23-C24
16	m	4104	BCR	C37-C22-C23-C24
16	n	4019	BCR	C7-C8-C9-C10
16	n	4019	BCR	C7-C8-C9-C34
16	n	4022	BCR	C7-C8-C9-C10
16	n	4022	BCR	C7-C8-C9-C34
16	o	4021	BCR	C5-C6-C7-C8
16	o	4021	BCR	C11-C12-C13-C35

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Mol	Chain	Res	Type	Atoms
16	o	4021	BCR	C17-C18-C19-C20
16	o	4021	BCR	C36-C18-C19-C20
16	q	521	BCR	C7-C8-C9-C10
16	q	521	BCR	C7-C8-C9-C34
16	q	522	BCR	C1-C6-C7-C8
16	q	522	BCR	C5-C6-C7-C8
16	q	522	BCR	C7-C8-C9-C10
16	q	522	BCR	C7-C8-C9-C34
16	q	523	BCR	C21-C22-C23-C24
16	q	523	BCR	C37-C22-C23-C24
16	r	521	BCR	C7-C8-C9-C10
16	r	521	BCR	C7-C8-C9-C34
16	r	522	BCR	C5-C6-C7-C8
16	r	522	BCR	C7-C8-C9-C10
16	r	522	BCR	C7-C8-C9-C34
16	r	523	BCR	C21-C22-C23-C24
16	r	523	BCR	C37-C22-C23-C24
16	s	521	BCR	C7-C8-C9-C34
16	s	522	BCR	C7-C8-C9-C10
16	s	522	BCR	C7-C8-C9-C34
16	s	523	BCR	C37-C22-C23-C24
16	t	521	BCR	C7-C8-C9-C10
16	t	521	BCR	C7-C8-C9-C34
16	t	523	BCR	C37-C22-C23-C24
16	u	521	BCR	C7-C8-C9-C10
16	u	521	BCR	C7-C8-C9-C34
16	u	521	BCR	C17-C18-C19-C20
16	u	521	BCR	C36-C18-C19-C20
16	u	522	BCR	C5-C6-C7-C8
16	u	522	BCR	C7-C8-C9-C10
16	u	522	BCR	C7-C8-C9-C34
16	u	523	BCR	C21-C22-C23-C24
16	u	523	BCR	C37-C22-C23-C24
16	v	522	BCR	C5-C6-C7-C8
16	v	523	BCR	C37-C22-C23-C24
16	v	524	BCR	C7-C8-C9-C10
16	v	524	BCR	C7-C8-C9-C34
17	A	5002	LHG	C4-O6-P-O5
17	A	5002	LHG	C8-C7-O7-C5
17	A	5004	LHG	O1-C1-C2-C3
17	A	5004	LHG	C1-C2-C3-O3
17	A	5004	LHG	C3-O3-P-O4

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Mol	Chain	Res	Type	Atoms
17	A	5004	LHG	C3-O3-P-O6
17	A	5004	LHG	C8-C7-O7-C5
17	A	5005	LHG	O1-C1-C2-C3
17	A	5005	LHG	O2-C2-C3-O3
17	A	5005	LHG	C3-O3-P-O5
17	A	5006	LHG	O1-C1-C2-C3
17	A	5006	LHG	C4-O6-P-O3
17	A	5006	LHG	C4-O6-P-O4
17	A	5007	LHG	O1-C1-C2-C3
17	A	5008	LHG	C4-O6-P-O3
17	A	5008	LHG	O7-C5-C6-O8
17	A	5009	LHG	O1-C1-C2-C3
17	A	5009	LHG	C3-O3-P-O4
17	A	5009	LHG	C3-O3-P-O5
17	A	5009	LHG	C3-O3-P-O6
17	A	5009	LHG	C4-O6-P-O4
17	A	5001	LHG	O1-C1-C2-C3
17	A	5003	LHG	C3-O3-P-O5
17	B	1842	LHG	O1-C1-C2-C3
17	B	1842	LHG	C3-O3-P-O5
17	B	1842	LHG	O9-C7-O7-C5
17	B	1842	LHG	C8-C7-O7-C5
17	B	1855	LHG	O1-C1-C2-C3
17	B	1855	LHG	C3-O3-P-O4
17	B	1855	LHG	C4-O6-P-O5
17	I	5001	LHG	C3-O3-P-O5
17	I	5001	LHG	C3-O3-P-O6
17	I	5001	LHG	C4-O6-P-O5
17	I	5001	LHG	O9-C7-O7-C5
17	I	5001	LHG	C8-C7-O7-C5
17	L	5218	LHG	O1-C1-C2-C3
17	L	5218	LHG	C3-O3-P-O4
17	L	5218	LHG	C3-O3-P-O5
17	L	5218	LHG	O7-C5-C6-O8
17	L	5218	LHG	O9-C7-O7-C5
17	L	5218	LHG	C8-C7-O7-C5
17	L	5220	LHG	O1-C1-C2-C3
17	L	5221	LHG	C3-O3-P-O5
17	L	5221	LHG	C4-O6-P-O3
17	L	5221	LHG	C4-O6-P-O4
17	L	5221	LHG	C4-O6-P-O5
17	G	5002	LHG	C4-O6-P-O5

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Mol	Chain	Res	Type	Atoms
17	G	5002	LHG	C8-C7-O7-C5
17	G	5004	LHG	O1-C1-C2-C3
17	G	5004	LHG	C1-C2-C3-O3
17	G	5004	LHG	C3-O3-P-O4
17	G	5004	LHG	C3-O3-P-O6
17	G	5004	LHG	C8-C7-O7-C5
17	G	5005	LHG	O1-C1-C2-C3
17	G	5005	LHG	O2-C2-C3-O3
17	G	5006	LHG	O1-C1-C2-C3
17	G	5006	LHG	C4-O6-P-O3
17	G	5006	LHG	C4-O6-P-O4
17	G	5007	LHG	O1-C1-C2-C3
17	G	5008	LHG	C4-O6-P-O3
17	G	5008	LHG	O7-C5-C6-O8
17	G	5009	LHG	O1-C1-C2-C3
17	G	5009	LHG	C3-O3-P-O4
17	G	5009	LHG	C3-O3-P-O5
17	G	5009	LHG	C3-O3-P-O6
17	G	5009	LHG	C4-O6-P-O4
17	G	5001	LHG	O1-C1-C2-C3
17	G	5003	LHG	C3-O3-P-O5
17	H	1842	LHG	O1-C1-C2-C3
17	H	1842	LHG	C3-O3-P-O5
17	H	1842	LHG	O9-C7-O7-C5
17	H	1842	LHG	C8-C7-O7-C5
17	H	1855	LHG	O1-C1-C2-C3
17	H	1855	LHG	C3-O3-P-O4
17	H	1855	LHG	C4-O6-P-O5
17	S	5001	LHG	C3-O3-P-O5
17	S	5001	LHG	C3-O3-P-O6
17	S	5001	LHG	C4-O6-P-O5
17	S	5001	LHG	O9-C7-O7-C5
17	S	5001	LHG	C8-C7-O7-C5
17	V	5218	LHG	O1-C1-C2-C3
17	V	5218	LHG	C3-O3-P-O4
17	V	5218	LHG	C3-O3-P-O5
17	V	5218	LHG	O7-C5-C6-O8
17	V	5218	LHG	O9-C7-O7-C5
17	V	5218	LHG	C8-C7-O7-C5
17	V	5220	LHG	O1-C1-C2-C3
17	V	5221	LHG	C3-O3-P-O5
17	V	5221	LHG	C4-O6-P-O3

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Mol	Chain	Res	Type	Atoms
17	V	5221	LHG	C4-O6-P-O4
17	V	5221	LHG	C4-O6-P-O5
17	e	5002	LHG	C4-O6-P-O5
17	e	5002	LHG	C8-C7-O7-C5
17	e	5004	LHG	O1-C1-C2-C3
17	e	5004	LHG	C1-C2-C3-O3
17	e	5004	LHG	C3-O3-P-O4
17	e	5004	LHG	C3-O3-P-O6
17	e	5004	LHG	C8-C7-O7-C5
17	e	5005	LHG	O1-C1-C2-C3
17	e	5005	LHG	O2-C2-C3-O3
17	e	5005	LHG	C3-O3-P-O5
17	e	5006	LHG	O1-C1-C2-C3
17	e	5006	LHG	C4-O6-P-O3
17	e	5006	LHG	C4-O6-P-O4
17	e	5007	LHG	O1-C1-C2-C3
17	e	5008	LHG	C4-O6-P-O3
17	e	5008	LHG	O7-C5-C6-O8
17	e	5009	LHG	O1-C1-C2-C3
17	e	5009	LHG	C3-O3-P-O4
17	e	5009	LHG	C3-O3-P-O5
17	e	5009	LHG	C3-O3-P-O6
17	e	5009	LHG	C4-O6-P-O4
17	e	5001	LHG	O1-C1-C2-C3
17	e	5003	LHG	C3-O3-P-O5
17	f	1842	LHG	O1-C1-C2-C3
17	f	1842	LHG	C3-O3-P-O5
17	f	1842	LHG	O9-C7-O7-C5
17	f	1842	LHG	C8-C7-O7-C5
17	f	1855	LHG	O1-C1-C2-C3
17	f	1855	LHG	C3-O3-P-O4
17	f	1855	LHG	C4-O6-P-O5
17	k	5001	LHG	C3-O3-P-O5
17	k	5001	LHG	C3-O3-P-O6
17	k	5001	LHG	C4-O6-P-O5
17	k	5001	LHG	O9-C7-O7-C5
17	k	5001	LHG	C8-C7-O7-C5
17	n	5218	LHG	O1-C1-C2-C3
17	n	5218	LHG	C3-O3-P-O4
17	n	5218	LHG	C3-O3-P-O5
17	n	5218	LHG	O7-C5-C6-O8
17	n	5218	LHG	O9-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
17	n	5218	LHG	C8-C7-O7-C5
17	n	5220	LHG	O1-C1-C2-C3
17	n	5221	LHG	C3-O3-P-O5
17	n	5221	LHG	C4-O6-P-O3
17	n	5221	LHG	C4-O6-P-O4
17	n	5221	LHG	C4-O6-P-O5
18	A	1849	LMU	C2'-C1'-O1'-C1
18	B	1843	LMU	C2'-C1'-O1'-C1
18	B	1843	LMU	O5'-C1'-O1'-C1
18	J	5105	LMU	C2'-C1'-O1'-C1
18	J	5105	LMU	C2-C1-O1'-C1'
18	1	902	LMU	C2'-C1'-O1'-C1
18	1	902	LMU	O5'-C1'-O1'-C1
18	1	902	LMU	C2-C1-O1'-C1'
18	2	901	LMU	C2'-C1'-O1'-C1
18	G	1849	LMU	C2'-C1'-O1'-C1
18	H	1843	LMU	C2'-C1'-O1'-C1
18	H	1843	LMU	O5'-C1'-O1'-C1
18	T	5105	LMU	C2'-C1'-O1'-C1
18	T	5105	LMU	C2-C1-O1'-C1'
18	Y	902	LMU	C2'-C1'-O1'-C1
18	Y	902	LMU	O5'-C1'-O1'-C1
18	Y	902	LMU	C2-C1-O1'-C1'
18	Z	901	LMU	C2'-C1'-O1'-C1
18	Z	901	LMU	O5'-C1'-O1'-C1
18	e	1849	LMU	C2'-C1'-O1'-C1
18	f	1843	LMU	C2'-C1'-O1'-C1
18	f	1843	LMU	O5'-C1'-O1'-C1
18	l	5105	LMU	C2'-C1'-O1'-C1
18	l	5105	LMU	C2-C1-O1'-C1'
18	q	902	LMU	C2'-C1'-O1'-C1
18	q	902	LMU	O5'-C1'-O1'-C1
18	q	902	LMU	C2-C1-O1'-C1'
18	r	901	LMU	C2'-C1'-O1'-C1
18	r	901	LMU	O5'-C1'-O1'-C1
19	J	5104	LMG	O7-C8-C9-O8
19	T	5104	LMG	O7-C8-C9-O8
19	l	5104	LMG	O7-C8-C9-O8
20	L	5216	SQD	O47-C45-C46-O48
20	L	5216	SQD	C5-C6-S-O7
20	L	5216	SQD	C5-C6-S-O8
20	1	822	SQD	O49-C7-O47-C45

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Mol	Chain	Res	Type	Atoms
20	2	822	SQD	O49-C7-O47-C45
20	2	822	SQD	C8-C7-O47-C45
20	3	822	SQD	O47-C45-C46-O48
20	3	822	SQD	O49-C7-O47-C45
20	3	822	SQD	C8-C7-O47-C45
20	4	822	SQD	C8-C7-O47-C45
20	V	5216	SQD	O47-C45-C46-O48
20	V	5216	SQD	C5-C6-S-O7
20	V	5216	SQD	C5-C6-S-O8
20	Y	822	SQD	O49-C7-O47-C45
20	Z	822	SQD	O49-C7-O47-C45
20	Z	822	SQD	C8-C7-O47-C45
20	a	822	SQD	O47-C45-C46-O48
20	a	822	SQD	O49-C7-O47-C45
20	a	822	SQD	C8-C7-O47-C45
20	b	822	SQD	C8-C7-O47-C45
20	n	5216	SQD	O47-C45-C46-O48
20	n	5216	SQD	C5-C6-S-O7
20	n	5216	SQD	C5-C6-S-O8
20	q	822	SQD	O49-C7-O47-C45
20	r	822	SQD	O49-C7-O47-C45
20	r	822	SQD	C8-C7-O47-C45
20	s	822	SQD	O47-C45-C46-O48
20	s	822	SQD	O49-C7-O47-C45
20	s	822	SQD	C8-C7-O47-C45
20	t	822	SQD	C8-C7-O47-C45
20	4	822	SQD	O49-C7-O47-C45
20	6	822	SQD	C8-C7-O47-C45
20	b	822	SQD	O49-C7-O47-C45
20	d	822	SQD	C8-C7-O47-C45
20	t	822	SQD	O49-C7-O47-C45
20	v	822	SQD	C8-C7-O47-C45
13	B	1023	CLA	O1D-CGD-O2D-CED
13	1	503	CLA	O1D-CGD-O2D-CED
13	1	506	CLA	O1D-CGD-O2D-CED
13	3	503	CLA	O1D-CGD-O2D-CED
13	4	506	CLA	O1D-CGD-O2D-CED
13	5	506	CLA	O1D-CGD-O2D-CED
13	6	506	CLA	O1D-CGD-O2D-CED
13	H	1023	CLA	O1D-CGD-O2D-CED
13	Y	503	CLA	O1D-CGD-O2D-CED
13	Y	506	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	a	503	CLA	O1D-CGD-O2D-CED
13	b	506	CLA	O1D-CGD-O2D-CED
13	c	506	CLA	O1D-CGD-O2D-CED
13	d	506	CLA	O1D-CGD-O2D-CED
13	f	1023	CLA	O1D-CGD-O2D-CED
13	q	503	CLA	O1D-CGD-O2D-CED
13	q	506	CLA	O1D-CGD-O2D-CED
13	s	503	CLA	O1D-CGD-O2D-CED
13	t	506	CLA	O1D-CGD-O2D-CED
13	u	506	CLA	O1D-CGD-O2D-CED
13	v	506	CLA	O1D-CGD-O2D-CED
20	6	822	SQD	O49-C7-O47-C45
20	d	822	SQD	O49-C7-O47-C45
20	v	822	SQD	O49-C7-O47-C45
13	2	503	CLA	O1D-CGD-O2D-CED
13	3	510	CLA	O1D-CGD-O2D-CED
13	4	504	CLA	O1D-CGD-O2D-CED
13	5	503	CLA	O1D-CGD-O2D-CED
13	6	503	CLA	O1D-CGD-O2D-CED
13	Z	503	CLA	O1D-CGD-O2D-CED
13	a	510	CLA	O1D-CGD-O2D-CED
13	b	504	CLA	O1D-CGD-O2D-CED
13	c	503	CLA	O1D-CGD-O2D-CED
13	d	503	CLA	O1D-CGD-O2D-CED
13	r	503	CLA	O1D-CGD-O2D-CED
13	s	510	CLA	O1D-CGD-O2D-CED
13	t	504	CLA	O1D-CGD-O2D-CED
13	u	503	CLA	O1D-CGD-O2D-CED
13	v	503	CLA	O1D-CGD-O2D-CED
13	v	513	CLA	O1D-CGD-O2D-CED
13	A	1107	CLA	CBD-CGD-O2D-CED
13	A	1108	CLA	CBD-CGD-O2D-CED
13	A	1119	CLA	CBD-CGD-O2D-CED
13	A	1120	CLA	CBD-CGD-O2D-CED
13	A	1801	CLA	CBD-CGD-O2D-CED
13	B	1021	CLA	CBD-CGD-O2D-CED
13	B	1023	CLA	CBD-CGD-O2D-CED
13	B	1203	CLA	CBD-CGD-O2D-CED
13	B	1219	CLA	CBD-CGD-O2D-CED
13	B	1221	CLA	CBD-CGD-O2D-CED
13	B	1239	CLA	CBD-CGD-O2D-CED
13	B	1207	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	F	1302	CLA	CBD-CGD-O2D-CED
13	J	1302	CLA	CBD-CGD-O2D-CED
13	K	1105	CLA	CBD-CGD-O2D-CED
13	1	503	CLA	CBD-CGD-O2D-CED
13	1	506	CLA	CBD-CGD-O2D-CED
13	1	516	CLA	CBD-CGD-O2D-CED
13	2	503	CLA	CBD-CGD-O2D-CED
13	2	506	CLA	CBD-CGD-O2D-CED
13	2	511	CLA	CBD-CGD-O2D-CED
13	3	503	CLA	CBD-CGD-O2D-CED
13	3	506	CLA	CBD-CGD-O2D-CED
13	3	510	CLA	CBD-CGD-O2D-CED
13	3	516	CLA	CBD-CGD-O2D-CED
13	3	518	CLA	CBD-CGD-O2D-CED
13	3	519	CLA	CBD-CGD-O2D-CED
13	4	504	CLA	CBD-CGD-O2D-CED
13	4	511	CLA	CBD-CGD-O2D-CED
13	4	517	CLA	CBD-CGD-O2D-CED
13	4	518	CLA	CBD-CGD-O2D-CED
13	5	503	CLA	CBD-CGD-O2D-CED
13	5	506	CLA	CBD-CGD-O2D-CED
13	5	508	CLA	CBD-CGD-O2D-CED
13	5	510	CLA	CBD-CGD-O2D-CED
13	5	517	CLA	CBD-CGD-O2D-CED
13	6	502	CLA	CBD-CGD-O2D-CED
13	6	503	CLA	CBD-CGD-O2D-CED
13	6	506	CLA	CBD-CGD-O2D-CED
13	6	509	CLA	CBD-CGD-O2D-CED
13	G	1107	CLA	CBD-CGD-O2D-CED
13	G	1108	CLA	CBD-CGD-O2D-CED
13	G	1119	CLA	CBD-CGD-O2D-CED
13	G	1120	CLA	CBD-CGD-O2D-CED
13	G	1801	CLA	CBD-CGD-O2D-CED
13	H	1021	CLA	CBD-CGD-O2D-CED
13	H	1023	CLA	CBD-CGD-O2D-CED
13	H	1203	CLA	CBD-CGD-O2D-CED
13	H	1219	CLA	CBD-CGD-O2D-CED
13	H	1221	CLA	CBD-CGD-O2D-CED
13	H	1239	CLA	CBD-CGD-O2D-CED
13	H	1207	CLA	CBD-CGD-O2D-CED
13	R	1302	CLA	CBD-CGD-O2D-CED
13	T	1302	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	U	1105	CLA	CBD-CGD-O2D-CED
13	Y	503	CLA	CBD-CGD-O2D-CED
13	Y	506	CLA	CBD-CGD-O2D-CED
13	Y	516	CLA	CBD-CGD-O2D-CED
13	Z	503	CLA	CBD-CGD-O2D-CED
13	Z	506	CLA	CBD-CGD-O2D-CED
13	Z	511	CLA	CBD-CGD-O2D-CED
13	a	503	CLA	CBD-CGD-O2D-CED
13	a	506	CLA	CBD-CGD-O2D-CED
13	a	510	CLA	CBD-CGD-O2D-CED
13	a	516	CLA	CBD-CGD-O2D-CED
13	a	518	CLA	CBD-CGD-O2D-CED
13	a	519	CLA	CBD-CGD-O2D-CED
13	b	504	CLA	CBD-CGD-O2D-CED
13	b	511	CLA	CBD-CGD-O2D-CED
13	b	517	CLA	CBD-CGD-O2D-CED
13	b	518	CLA	CBD-CGD-O2D-CED
13	c	503	CLA	CBD-CGD-O2D-CED
13	c	506	CLA	CBD-CGD-O2D-CED
13	c	508	CLA	CBD-CGD-O2D-CED
13	c	510	CLA	CBD-CGD-O2D-CED
13	c	517	CLA	CBD-CGD-O2D-CED
13	d	502	CLA	CBD-CGD-O2D-CED
13	d	503	CLA	CBD-CGD-O2D-CED
13	d	506	CLA	CBD-CGD-O2D-CED
13	d	509	CLA	CBD-CGD-O2D-CED
13	e	1107	CLA	CBD-CGD-O2D-CED
13	e	1108	CLA	CBD-CGD-O2D-CED
13	e	1119	CLA	CBD-CGD-O2D-CED
13	e	1120	CLA	CBD-CGD-O2D-CED
13	e	1801	CLA	CBD-CGD-O2D-CED
13	f	1021	CLA	CBD-CGD-O2D-CED
13	f	1023	CLA	CBD-CGD-O2D-CED
13	f	1203	CLA	CBD-CGD-O2D-CED
13	f	1219	CLA	CBD-CGD-O2D-CED
13	f	1221	CLA	CBD-CGD-O2D-CED
13	f	1239	CLA	CBD-CGD-O2D-CED
13	f	1207	CLA	CBD-CGD-O2D-CED
13	j	1302	CLA	CBD-CGD-O2D-CED
13	l	1302	CLA	CBD-CGD-O2D-CED
13	m	1105	CLA	CBD-CGD-O2D-CED
13	q	503	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	q	506	CLA	CBD-CGD-O2D-CED
13	q	516	CLA	CBD-CGD-O2D-CED
13	r	503	CLA	CBD-CGD-O2D-CED
13	r	506	CLA	CBD-CGD-O2D-CED
13	r	511	CLA	CBD-CGD-O2D-CED
13	s	503	CLA	CBD-CGD-O2D-CED
13	s	506	CLA	CBD-CGD-O2D-CED
13	s	510	CLA	CBD-CGD-O2D-CED
13	s	516	CLA	CBD-CGD-O2D-CED
13	s	518	CLA	CBD-CGD-O2D-CED
13	s	519	CLA	CBD-CGD-O2D-CED
13	t	504	CLA	CBD-CGD-O2D-CED
13	t	511	CLA	CBD-CGD-O2D-CED
13	t	517	CLA	CBD-CGD-O2D-CED
13	t	518	CLA	CBD-CGD-O2D-CED
13	u	503	CLA	CBD-CGD-O2D-CED
13	u	506	CLA	CBD-CGD-O2D-CED
13	u	508	CLA	CBD-CGD-O2D-CED
13	u	510	CLA	CBD-CGD-O2D-CED
13	u	517	CLA	CBD-CGD-O2D-CED
13	v	502	CLA	CBD-CGD-O2D-CED
13	v	503	CLA	CBD-CGD-O2D-CED
13	v	506	CLA	CBD-CGD-O2D-CED
13	v	509	CLA	CBD-CGD-O2D-CED
13	A	1109	CLA	O1A-CGA-O2A-C1
13	B	1209	CLA	O1A-CGA-O2A-C1
13	B	1217	CLA	O1A-CGA-O2A-C1
13	B	1219	CLA	O1A-CGA-O2A-C1
13	B	1227	CLA	O1A-CGA-O2A-C1
13	B	1207	CLA	O1A-CGA-O2A-C1
13	3	510	CLA	O1A-CGA-O2A-C1
13	6	505	CLA	O1A-CGA-O2A-C1
13	G	1109	CLA	O1A-CGA-O2A-C1
13	H	1209	CLA	O1A-CGA-O2A-C1
13	H	1217	CLA	O1A-CGA-O2A-C1
13	H	1219	CLA	O1A-CGA-O2A-C1
13	H	1227	CLA	O1A-CGA-O2A-C1
13	H	1207	CLA	O1A-CGA-O2A-C1
13	a	510	CLA	O1A-CGA-O2A-C1
13	d	505	CLA	O1A-CGA-O2A-C1
13	e	1109	CLA	O1A-CGA-O2A-C1
13	f	1209	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	f	1217	CLA	O1A-CGA-O2A-C1
13	f	1219	CLA	O1A-CGA-O2A-C1
13	f	1227	CLA	O1A-CGA-O2A-C1
13	f	1207	CLA	O1A-CGA-O2A-C1
13	s	510	CLA	O1A-CGA-O2A-C1
13	v	505	CLA	O1A-CGA-O2A-C1
17	A	5006	LHG	O10-C23-O8-C6
17	I	5001	LHG	O10-C23-O8-C6
17	L	5221	LHG	O10-C23-O8-C6
17	G	5006	LHG	O10-C23-O8-C6
17	S	5001	LHG	O10-C23-O8-C6
17	V	5221	LHG	O10-C23-O8-C6
17	e	5006	LHG	O10-C23-O8-C6
17	k	5001	LHG	O10-C23-O8-C6
17	n	5221	LHG	O10-C23-O8-C6
13	A	1139	CLA	O1D-CGD-O2D-CED
13	B	1021	CLA	O1D-CGD-O2D-CED
13	3	506	CLA	O1D-CGD-O2D-CED
13	3	517	CLA	O1D-CGD-O2D-CED
13	6	513	CLA	O1D-CGD-O2D-CED
13	H	1021	CLA	O1D-CGD-O2D-CED
13	a	506	CLA	O1D-CGD-O2D-CED
13	a	517	CLA	O1D-CGD-O2D-CED
13	d	513	CLA	O1D-CGD-O2D-CED
13	e	1139	CLA	O1D-CGD-O2D-CED
13	f	1021	CLA	O1D-CGD-O2D-CED
13	s	506	CLA	O1D-CGD-O2D-CED
13	s	517	CLA	O1D-CGD-O2D-CED
13	K	1105	CLA	O1D-CGD-O2D-CED
13	1	510	CLA	O1D-CGD-O2D-CED
13	2	506	CLA	O1D-CGD-O2D-CED
13	2	513	CLA	O1D-CGD-O2D-CED
13	4	510	CLA	O1D-CGD-O2D-CED
13	5	504	CLA	O1D-CGD-O2D-CED
13	5	513	CLA	O1D-CGD-O2D-CED
13	6	501	CLA	O1D-CGD-O2D-CED
13	6	516	CLA	O1D-CGD-O2D-CED
13	G	1139	CLA	O1D-CGD-O2D-CED
13	U	1105	CLA	O1D-CGD-O2D-CED
13	Y	510	CLA	O1D-CGD-O2D-CED
13	Z	506	CLA	O1D-CGD-O2D-CED
13	Z	513	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	b	510	CLA	O1D-CGD-O2D-CED
13	c	504	CLA	O1D-CGD-O2D-CED
13	c	513	CLA	O1D-CGD-O2D-CED
13	d	501	CLA	O1D-CGD-O2D-CED
13	d	516	CLA	O1D-CGD-O2D-CED
13	m	1105	CLA	O1D-CGD-O2D-CED
13	q	510	CLA	O1D-CGD-O2D-CED
13	r	506	CLA	O1D-CGD-O2D-CED
13	r	513	CLA	O1D-CGD-O2D-CED
13	t	510	CLA	O1D-CGD-O2D-CED
13	u	504	CLA	O1D-CGD-O2D-CED
13	u	513	CLA	O1D-CGD-O2D-CED
13	v	501	CLA	O1D-CGD-O2D-CED
13	v	516	CLA	O1D-CGD-O2D-CED
13	A	1109	CLA	CBA-CGA-O2A-C1
13	A	1110	CLA	CBA-CGA-O2A-C1
13	B	1217	CLA	CBA-CGA-O2A-C1
13	B	1227	CLA	CBA-CGA-O2A-C1
13	6	505	CLA	CBA-CGA-O2A-C1
13	G	1109	CLA	CBA-CGA-O2A-C1
13	G	1110	CLA	CBA-CGA-O2A-C1
13	H	1217	CLA	CBA-CGA-O2A-C1
13	H	1227	CLA	CBA-CGA-O2A-C1
13	d	505	CLA	CBA-CGA-O2A-C1
13	e	1109	CLA	CBA-CGA-O2A-C1
13	e	1110	CLA	CBA-CGA-O2A-C1
13	f	1217	CLA	CBA-CGA-O2A-C1
13	f	1227	CLA	CBA-CGA-O2A-C1
13	v	505	CLA	CBA-CGA-O2A-C1
17	L	5221	LHG	C24-C23-O8-C6
17	V	5221	LHG	C24-C23-O8-C6
17	n	5221	LHG	C24-C23-O8-C6
20	4	822	SQD	C24-C23-O48-C46
20	b	822	SQD	C24-C23-O48-C46
20	t	822	SQD	C24-C23-O48-C46
13	A	1011	CLA	CBD-CGD-O2D-CED
13	A	1103	CLA	CBD-CGD-O2D-CED
13	A	1104	CLA	CBD-CGD-O2D-CED
13	A	1106	CLA	CBD-CGD-O2D-CED
13	A	1111	CLA	CBD-CGD-O2D-CED
13	A	1112	CLA	CBD-CGD-O2D-CED
13	A	1123	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	A	1132	CLA	CBD-CGD-O2D-CED
13	B	1012	CLA	CBD-CGD-O2D-CED
13	B	1201	CLA	CBD-CGD-O2D-CED
13	B	1209	CLA	CBD-CGD-O2D-CED
13	B	1220	CLA	CBD-CGD-O2D-CED
13	B	1229	CLA	CBD-CGD-O2D-CED
13	B	1240	CLA	CBD-CGD-O2D-CED
13	J	1303	CLA	CBD-CGD-O2D-CED
13	2	504	CLA	CBD-CGD-O2D-CED
13	2	507	CLA	CBD-CGD-O2D-CED
13	4	507	CLA	CBD-CGD-O2D-CED
13	4	508	CLA	CBD-CGD-O2D-CED
13	6	511	CLA	CBD-CGD-O2D-CED
13	6	512	CLA	CBD-CGD-O2D-CED
13	6	518	CLA	CBD-CGD-O2D-CED
13	6	519	CLA	CBD-CGD-O2D-CED
13	G	1011	CLA	CBD-CGD-O2D-CED
13	G	1103	CLA	CBD-CGD-O2D-CED
13	G	1104	CLA	CBD-CGD-O2D-CED
13	G	1106	CLA	CBD-CGD-O2D-CED
13	G	1111	CLA	CBD-CGD-O2D-CED
13	G	1112	CLA	CBD-CGD-O2D-CED
13	G	1123	CLA	CBD-CGD-O2D-CED
13	G	1132	CLA	CBD-CGD-O2D-CED
13	H	1012	CLA	CBD-CGD-O2D-CED
13	H	1201	CLA	CBD-CGD-O2D-CED
13	H	1209	CLA	CBD-CGD-O2D-CED
13	H	1220	CLA	CBD-CGD-O2D-CED
13	H	1229	CLA	CBD-CGD-O2D-CED
13	H	1240	CLA	CBD-CGD-O2D-CED
13	T	1303	CLA	CBD-CGD-O2D-CED
13	Z	504	CLA	CBD-CGD-O2D-CED
13	Z	507	CLA	CBD-CGD-O2D-CED
13	b	507	CLA	CBD-CGD-O2D-CED
13	b	508	CLA	CBD-CGD-O2D-CED
13	d	511	CLA	CBD-CGD-O2D-CED
13	d	512	CLA	CBD-CGD-O2D-CED
13	d	518	CLA	CBD-CGD-O2D-CED
13	d	519	CLA	CBD-CGD-O2D-CED
13	e	1011	CLA	CBD-CGD-O2D-CED
13	e	1103	CLA	CBD-CGD-O2D-CED
13	e	1104	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	e	1106	CLA	CBD-CGD-O2D-CED
13	e	1111	CLA	CBD-CGD-O2D-CED
13	e	1112	CLA	CBD-CGD-O2D-CED
13	e	1123	CLA	CBD-CGD-O2D-CED
13	e	1132	CLA	CBD-CGD-O2D-CED
13	f	1012	CLA	CBD-CGD-O2D-CED
13	f	1201	CLA	CBD-CGD-O2D-CED
13	f	1209	CLA	CBD-CGD-O2D-CED
13	f	1220	CLA	CBD-CGD-O2D-CED
13	f	1229	CLA	CBD-CGD-O2D-CED
13	f	1240	CLA	CBD-CGD-O2D-CED
13	l	1303	CLA	CBD-CGD-O2D-CED
13	r	504	CLA	CBD-CGD-O2D-CED
13	r	507	CLA	CBD-CGD-O2D-CED
13	t	507	CLA	CBD-CGD-O2D-CED
13	t	508	CLA	CBD-CGD-O2D-CED
13	v	511	CLA	CBD-CGD-O2D-CED
13	v	512	CLA	CBD-CGD-O2D-CED
13	v	518	CLA	CBD-CGD-O2D-CED
13	v	519	CLA	CBD-CGD-O2D-CED
13	K	1105	CLA	C4C-C3C-CAC-CBC
13	A	1110	CLA	O1A-CGA-O2A-C1
13	A	1114	CLA	O1A-CGA-O2A-C1
13	A	1119	CLA	O1A-CGA-O2A-C1
13	A	1140	CLA	O1A-CGA-O2A-C1
13	A	1130	CLA	O1A-CGA-O2A-C1
13	B	1202	CLA	O1A-CGA-O2A-C1
13	B	1206	CLA	O1A-CGA-O2A-C1
13	B	1240	CLA	O1A-CGA-O2A-C1
13	1	505	CLA	O1A-CGA-O2A-C1
13	2	504	CLA	O1A-CGA-O2A-C1
13	2	505	CLA	O1A-CGA-O2A-C1
13	3	505	CLA	O1A-CGA-O2A-C1
13	4	505	CLA	O1A-CGA-O2A-C1
13	4	510	CLA	O1A-CGA-O2A-C1
13	5	505	CLA	O1A-CGA-O2A-C1
13	G	1110	CLA	O1A-CGA-O2A-C1
13	G	1114	CLA	O1A-CGA-O2A-C1
13	G	1119	CLA	O1A-CGA-O2A-C1
13	G	1140	CLA	O1A-CGA-O2A-C1
13	G	1130	CLA	O1A-CGA-O2A-C1
13	H	1202	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	H	1206	CLA	O1A-CGA-O2A-C1
13	H	1240	CLA	O1A-CGA-O2A-C1
13	Y	505	CLA	O1A-CGA-O2A-C1
13	Z	504	CLA	O1A-CGA-O2A-C1
13	Z	505	CLA	O1A-CGA-O2A-C1
13	a	505	CLA	O1A-CGA-O2A-C1
13	b	505	CLA	O1A-CGA-O2A-C1
13	b	510	CLA	O1A-CGA-O2A-C1
13	c	505	CLA	O1A-CGA-O2A-C1
13	e	1110	CLA	O1A-CGA-O2A-C1
13	e	1114	CLA	O1A-CGA-O2A-C1
13	e	1119	CLA	O1A-CGA-O2A-C1
13	e	1140	CLA	O1A-CGA-O2A-C1
13	e	1130	CLA	O1A-CGA-O2A-C1
13	f	1202	CLA	O1A-CGA-O2A-C1
13	f	1206	CLA	O1A-CGA-O2A-C1
13	f	1240	CLA	O1A-CGA-O2A-C1
13	q	505	CLA	O1A-CGA-O2A-C1
13	r	504	CLA	O1A-CGA-O2A-C1
13	r	505	CLA	O1A-CGA-O2A-C1
13	s	505	CLA	O1A-CGA-O2A-C1
13	t	505	CLA	O1A-CGA-O2A-C1
13	t	510	CLA	O1A-CGA-O2A-C1
13	u	505	CLA	O1A-CGA-O2A-C1
17	A	5002	LHG	O10-C23-O8-C6
17	A	5009	LHG	O10-C23-O8-C6
17	B	1842	LHG	O10-C23-O8-C6
17	L	5218	LHG	O10-C23-O8-C6
17	L	5220	LHG	O10-C23-O8-C6
17	G	5002	LHG	O10-C23-O8-C6
17	G	5009	LHG	O10-C23-O8-C6
17	H	1842	LHG	O10-C23-O8-C6
17	V	5218	LHG	O10-C23-O8-C6
17	V	5220	LHG	O10-C23-O8-C6
17	e	5002	LHG	O10-C23-O8-C6
17	e	5009	LHG	O10-C23-O8-C6
17	f	1842	LHG	O10-C23-O8-C6
17	n	5218	LHG	O10-C23-O8-C6
17	n	5220	LHG	O10-C23-O8-C6
19	J	5104	LMG	O10-C28-O8-C9
19	T	5104	LMG	O10-C28-O8-C9
19	l	5104	LMG	O10-C28-O8-C9

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Mol	Chain	Res	Type	Atoms
20	2	822	SQD	O10-C23-O48-C46
20	Z	822	SQD	O10-C23-O48-C46
20	r	822	SQD	O10-C23-O48-C46
13	A	1117	CLA	O1D-CGD-O2D-CED
13	5	501	CLA	O1D-CGD-O2D-CED
13	5	507	CLA	O1D-CGD-O2D-CED
13	5	511	CLA	O1D-CGD-O2D-CED
13	G	1117	CLA	O1D-CGD-O2D-CED
13	c	501	CLA	O1D-CGD-O2D-CED
13	c	507	CLA	O1D-CGD-O2D-CED
13	c	511	CLA	O1D-CGD-O2D-CED
13	e	1117	CLA	O1D-CGD-O2D-CED
13	u	501	CLA	O1D-CGD-O2D-CED
13	u	507	CLA	O1D-CGD-O2D-CED
13	u	511	CLA	O1D-CGD-O2D-CED
13	U	1105	CLA	C4C-C3C-CAC-CBC
13	m	1105	CLA	C4C-C3C-CAC-CBC
13	1	501	CLA	O1D-CGD-O2D-CED
13	2	501	CLA	O1D-CGD-O2D-CED
13	3	513	CLA	O1D-CGD-O2D-CED
13	Y	501	CLA	O1D-CGD-O2D-CED
13	Z	501	CLA	O1D-CGD-O2D-CED
13	a	513	CLA	O1D-CGD-O2D-CED
13	q	501	CLA	O1D-CGD-O2D-CED
13	r	501	CLA	O1D-CGD-O2D-CED
13	s	513	CLA	O1D-CGD-O2D-CED
13	A	1113	CLA	CBD-CGD-O2D-CED
13	3	504	CLA	CBD-CGD-O2D-CED
13	6	507	CLA	CBD-CGD-O2D-CED
13	G	1113	CLA	CBD-CGD-O2D-CED
13	a	504	CLA	CBD-CGD-O2D-CED
13	d	507	CLA	CBD-CGD-O2D-CED
13	e	1113	CLA	CBD-CGD-O2D-CED
13	s	504	CLA	CBD-CGD-O2D-CED
13	v	507	CLA	CBD-CGD-O2D-CED
13	A	1131	CLA	O1D-CGD-O2D-CED
13	2	511	CLA	O1D-CGD-O2D-CED
13	3	518	CLA	O1D-CGD-O2D-CED
13	G	1131	CLA	O1D-CGD-O2D-CED
13	Z	511	CLA	O1D-CGD-O2D-CED
13	a	518	CLA	O1D-CGD-O2D-CED
13	e	1131	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	r	511	CLA	O1D-CGD-O2D-CED
13	s	518	CLA	O1D-CGD-O2D-CED
17	A	5004	LHG	O9-C7-O7-C5
17	A	5007	LHG	O9-C7-O7-C5
17	A	5008	LHG	O9-C7-O7-C5
17	A	5009	LHG	O9-C7-O7-C5
17	B	1855	LHG	O9-C7-O7-C5
17	L	5220	LHG	O9-C7-O7-C5
17	G	5004	LHG	O9-C7-O7-C5
17	G	5007	LHG	O9-C7-O7-C5
17	G	5008	LHG	O9-C7-O7-C5
17	G	5009	LHG	O9-C7-O7-C5
17	H	1855	LHG	O9-C7-O7-C5
17	V	5220	LHG	O9-C7-O7-C5
17	e	5004	LHG	O9-C7-O7-C5
17	e	5007	LHG	O9-C7-O7-C5
17	e	5008	LHG	O9-C7-O7-C5
17	e	5009	LHG	O9-C7-O7-C5
17	f	1855	LHG	O9-C7-O7-C5
17	n	5220	LHG	O9-C7-O7-C5
13	K	1105	CLA	C2C-C3C-CAC-CBC
13	l	516	CLA	C2C-C3C-CAC-CBC
13	U	1105	CLA	C2C-C3C-CAC-CBC
13	m	1105	CLA	C2C-C3C-CAC-CBC
13	q	516	CLA	C2C-C3C-CAC-CBC
13	A	1102	CLA	C3-C5-C6-C7
13	A	1116	CLA	C3-C5-C6-C7
13	A	1118	CLA	C3-C5-C6-C7
13	A	1121	CLA	C3-C5-C6-C7
13	A	1122	CLA	C3-C5-C6-C7
13	A	1133	CLA	C3-C5-C6-C7
13	A	1136	CLA	C3-C5-C6-C7
13	A	1139	CLA	C3-C5-C6-C7
13	B	1216	CLA	C3-C5-C6-C7
13	B	1231	CLA	C3-C5-C6-C7
13	B	1239	CLA	C3-C5-C6-C7
13	J	1303	CLA	C3-C5-C6-C7
13	L	1503	CLA	C3-C5-C6-C7
13	1	502	CLA	C3-C5-C6-C7
13	1	505	CLA	C3-C5-C6-C7
13	1	510	CLA	C3-C5-C6-C7
13	1	511	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	1	518	CLA	C3-C5-C6-C7
13	2	505	CLA	C3-C5-C6-C7
13	2	511	CLA	C3-C5-C6-C7
13	3	508	CLA	C3-C5-C6-C7
13	3	513	CLA	C3-C5-C6-C7
13	5	501	CLA	C3-C5-C6-C7
13	6	501	CLA	C3-C5-C6-C7
13	6	505	CLA	C3-C5-C6-C7
13	G	1102	CLA	C3-C5-C6-C7
13	G	1116	CLA	C3-C5-C6-C7
13	G	1118	CLA	C3-C5-C6-C7
13	G	1121	CLA	C3-C5-C6-C7
13	G	1122	CLA	C3-C5-C6-C7
13	G	1133	CLA	C3-C5-C6-C7
13	G	1136	CLA	C3-C5-C6-C7
13	G	1139	CLA	C3-C5-C6-C7
13	H	1216	CLA	C3-C5-C6-C7
13	H	1231	CLA	C3-C5-C6-C7
13	H	1239	CLA	C3-C5-C6-C7
13	T	1303	CLA	C3-C5-C6-C7
13	V	1503	CLA	C3-C5-C6-C7
13	Y	502	CLA	C3-C5-C6-C7
13	Y	505	CLA	C3-C5-C6-C7
13	Y	510	CLA	C3-C5-C6-C7
13	Y	511	CLA	C3-C5-C6-C7
13	Y	518	CLA	C3-C5-C6-C7
13	Z	505	CLA	C3-C5-C6-C7
13	Z	511	CLA	C3-C5-C6-C7
13	a	508	CLA	C3-C5-C6-C7
13	a	513	CLA	C3-C5-C6-C7
13	c	501	CLA	C3-C5-C6-C7
13	d	501	CLA	C3-C5-C6-C7
13	d	505	CLA	C3-C5-C6-C7
13	e	1102	CLA	C3-C5-C6-C7
13	e	1116	CLA	C3-C5-C6-C7
13	e	1118	CLA	C3-C5-C6-C7
13	e	1121	CLA	C3-C5-C6-C7
13	e	1122	CLA	C3-C5-C6-C7
13	e	1133	CLA	C3-C5-C6-C7
13	e	1136	CLA	C3-C5-C6-C7
13	e	1139	CLA	C3-C5-C6-C7
13	f	1216	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	f	1231	CLA	C3-C5-C6-C7
13	f	1239	CLA	C3-C5-C6-C7
13	l	1303	CLA	C3-C5-C6-C7
13	n	1503	CLA	C3-C5-C6-C7
13	q	502	CLA	C3-C5-C6-C7
13	q	505	CLA	C3-C5-C6-C7
13	q	510	CLA	C3-C5-C6-C7
13	q	511	CLA	C3-C5-C6-C7
13	q	518	CLA	C3-C5-C6-C7
13	r	505	CLA	C3-C5-C6-C7
13	r	511	CLA	C3-C5-C6-C7
13	s	508	CLA	C3-C5-C6-C7
13	s	513	CLA	C3-C5-C6-C7
13	u	501	CLA	C3-C5-C6-C7
13	v	501	CLA	C3-C5-C6-C7
13	v	505	CLA	C3-C5-C6-C7
13	A	1114	CLA	CBA-CGA-O2A-C1
13	B	1209	CLA	CBA-CGA-O2A-C1
13	B	1219	CLA	CBA-CGA-O2A-C1
13	B	1207	CLA	CBA-CGA-O2A-C1
13	1	505	CLA	CBA-CGA-O2A-C1
13	2	505	CLA	CBA-CGA-O2A-C1
13	3	505	CLA	CBA-CGA-O2A-C1
13	3	510	CLA	CBA-CGA-O2A-C1
13	4	505	CLA	CBA-CGA-O2A-C1
13	4	510	CLA	CBA-CGA-O2A-C1
13	5	505	CLA	CBA-CGA-O2A-C1
13	G	1114	CLA	CBA-CGA-O2A-C1
13	H	1209	CLA	CBA-CGA-O2A-C1
13	H	1219	CLA	CBA-CGA-O2A-C1
13	H	1207	CLA	CBA-CGA-O2A-C1
13	Y	505	CLA	CBA-CGA-O2A-C1
13	Z	505	CLA	CBA-CGA-O2A-C1
13	a	505	CLA	CBA-CGA-O2A-C1
13	a	510	CLA	CBA-CGA-O2A-C1
13	b	505	CLA	CBA-CGA-O2A-C1
13	b	510	CLA	CBA-CGA-O2A-C1
13	c	502	CLA	CBA-CGA-O2A-C1
13	c	505	CLA	CBA-CGA-O2A-C1
13	e	1114	CLA	CBA-CGA-O2A-C1
13	f	1209	CLA	CBA-CGA-O2A-C1
13	f	1219	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	f	1207	CLA	CBA-CGA-O2A-C1
13	q	505	CLA	CBA-CGA-O2A-C1
13	r	505	CLA	CBA-CGA-O2A-C1
13	s	505	CLA	CBA-CGA-O2A-C1
13	s	510	CLA	CBA-CGA-O2A-C1
13	t	505	CLA	CBA-CGA-O2A-C1
13	t	510	CLA	CBA-CGA-O2A-C1
13	u	505	CLA	CBA-CGA-O2A-C1
17	A	5006	LHG	C24-C23-O8-C6
17	A	5009	LHG	C24-C23-O8-C6
17	I	5001	LHG	C24-C23-O8-C6
17	L	5218	LHG	C24-C23-O8-C6
17	L	5220	LHG	C24-C23-O8-C6
17	G	5006	LHG	C24-C23-O8-C6
17	G	5009	LHG	C24-C23-O8-C6
17	S	5001	LHG	C24-C23-O8-C6
17	V	5218	LHG	C24-C23-O8-C6
17	V	5220	LHG	C24-C23-O8-C6
17	e	5006	LHG	C24-C23-O8-C6
17	e	5009	LHG	C24-C23-O8-C6
17	k	5001	LHG	C24-C23-O8-C6
17	n	5218	LHG	C24-C23-O8-C6
17	n	5220	LHG	C24-C23-O8-C6
13	Y	516	CLA	C2C-C3C-CAC-CBC
20	4	822	SQD	O10-C23-O48-C46
20	b	822	SQD	O10-C23-O48-C46
20	t	822	SQD	O10-C23-O48-C46
17	A	5008	LHG	C8-C7-O7-C5
17	L	5220	LHG	C8-C7-O7-C5
17	G	5008	LHG	C8-C7-O7-C5
17	V	5220	LHG	C8-C7-O7-C5
17	e	5008	LHG	C8-C7-O7-C5
17	n	5220	LHG	C8-C7-O7-C5
20	1	822	SQD	C8-C7-O47-C45
20	5	822	SQD	C8-C7-O47-C45
20	Y	822	SQD	C8-C7-O47-C45
20	c	822	SQD	C8-C7-O47-C45
20	q	822	SQD	C8-C7-O47-C45
20	u	822	SQD	C8-C7-O47-C45
13	B	1219	CLA	O1D-CGD-O2D-CED
13	F	1302	CLA	O1D-CGD-O2D-CED
13	4	518	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	H	1219	CLA	O1D-CGD-O2D-CED
13	R	1302	CLA	O1D-CGD-O2D-CED
13	b	518	CLA	O1D-CGD-O2D-CED
13	f	1219	CLA	O1D-CGD-O2D-CED
13	j	1302	CLA	O1D-CGD-O2D-CED
13	t	518	CLA	O1D-CGD-O2D-CED
13	A	1137	CLA	CBD-CGD-O2D-CED
13	B	1227	CLA	CBD-CGD-O2D-CED
13	2	519	CLA	CBD-CGD-O2D-CED
13	4	505	CLA	CBD-CGD-O2D-CED
13	6	517	CLA	CBD-CGD-O2D-CED
13	G	1137	CLA	CBD-CGD-O2D-CED
13	H	1227	CLA	CBD-CGD-O2D-CED
13	Z	519	CLA	CBD-CGD-O2D-CED
13	b	505	CLA	CBD-CGD-O2D-CED
13	d	517	CLA	CBD-CGD-O2D-CED
13	e	1137	CLA	CBD-CGD-O2D-CED
13	f	1227	CLA	CBD-CGD-O2D-CED
13	r	519	CLA	CBD-CGD-O2D-CED
13	t	505	CLA	CBD-CGD-O2D-CED
13	v	517	CLA	CBD-CGD-O2D-CED
13	3	516	CLA	C2C-C3C-CAC-CBC
13	a	516	CLA	C2C-C3C-CAC-CBC
13	s	516	CLA	C2C-C3C-CAC-CBC
13	6	519	CLA	O1A-CGA-O2A-C1
13	d	519	CLA	O1A-CGA-O2A-C1
13	v	519	CLA	O1A-CGA-O2A-C1
13	A	1133	CLA	C4-C3-C5-C6
13	G	1133	CLA	C4-C3-C5-C6
13	e	1133	CLA	C4-C3-C5-C6
13	A	1104	CLA	C2-C3-C5-C6
13	A	1237	CLA	C2-C3-C5-C6
13	5	501	CLA	C2-C3-C5-C6
13	G	1104	CLA	C2-C3-C5-C6
13	G	1237	CLA	C2-C3-C5-C6
13	c	501	CLA	C2-C3-C5-C6
13	e	1104	CLA	C2-C3-C5-C6
13	e	1237	CLA	C2-C3-C5-C6
13	u	501	CLA	C2-C3-C5-C6
13	A	1013	CLA	CBD-CGD-O2D-CED
13	B	1226	CLA	CBD-CGD-O2D-CED
13	B	1232	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	1	502	CLA	CBD-CGD-O2D-CED
13	4	513	CLA	CBD-CGD-O2D-CED
13	5	512	CLA	CBD-CGD-O2D-CED
13	G	1013	CLA	CBD-CGD-O2D-CED
13	H	1226	CLA	CBD-CGD-O2D-CED
13	H	1232	CLA	CBD-CGD-O2D-CED
13	Y	502	CLA	CBD-CGD-O2D-CED
13	b	513	CLA	CBD-CGD-O2D-CED
13	c	512	CLA	CBD-CGD-O2D-CED
13	e	1013	CLA	CBD-CGD-O2D-CED
13	f	1226	CLA	CBD-CGD-O2D-CED
13	f	1232	CLA	CBD-CGD-O2D-CED
13	q	502	CLA	CBD-CGD-O2D-CED
13	t	513	CLA	CBD-CGD-O2D-CED
13	u	512	CLA	CBD-CGD-O2D-CED
13	A	1108	CLA	C2A-CAA-CBA-CGA
13	A	1119	CLA	C2A-CAA-CBA-CGA
13	A	1127	CLA	C2A-CAA-CBA-CGA
13	B	1012	CLA	C2A-CAA-CBA-CGA
13	B	1206	CLA	C2A-CAA-CBA-CGA
13	B	1221	CLA	C2A-CAA-CBA-CGA
13	B	1228	CLA	C2A-CAA-CBA-CGA
13	B	1232	CLA	C2A-CAA-CBA-CGA
13	B	1238	CLA	C2A-CAA-CBA-CGA
13	1	505	CLA	C2A-CAA-CBA-CGA
13	1	516	CLA	C2A-CAA-CBA-CGA
13	2	505	CLA	C2A-CAA-CBA-CGA
13	2	512	CLA	C2A-CAA-CBA-CGA
13	3	505	CLA	C2A-CAA-CBA-CGA
13	5	507	CLA	C2A-CAA-CBA-CGA
13	6	505	CLA	C2A-CAA-CBA-CGA
13	6	513	CLA	C2A-CAA-CBA-CGA
13	G	1108	CLA	C2A-CAA-CBA-CGA
13	G	1119	CLA	C2A-CAA-CBA-CGA
13	G	1127	CLA	C2A-CAA-CBA-CGA
13	H	1012	CLA	C2A-CAA-CBA-CGA
13	H	1206	CLA	C2A-CAA-CBA-CGA
13	H	1221	CLA	C2A-CAA-CBA-CGA
13	H	1228	CLA	C2A-CAA-CBA-CGA
13	H	1232	CLA	C2A-CAA-CBA-CGA
13	H	1238	CLA	C2A-CAA-CBA-CGA
13	Y	505	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	Y	516	CLA	C2A-CAA-CBA-CGA
13	Z	505	CLA	C2A-CAA-CBA-CGA
13	Z	512	CLA	C2A-CAA-CBA-CGA
13	a	505	CLA	C2A-CAA-CBA-CGA
13	c	507	CLA	C2A-CAA-CBA-CGA
13	d	505	CLA	C2A-CAA-CBA-CGA
13	d	513	CLA	C2A-CAA-CBA-CGA
13	e	1108	CLA	C2A-CAA-CBA-CGA
13	e	1119	CLA	C2A-CAA-CBA-CGA
13	e	1127	CLA	C2A-CAA-CBA-CGA
13	f	1012	CLA	C2A-CAA-CBA-CGA
13	f	1206	CLA	C2A-CAA-CBA-CGA
13	f	1221	CLA	C2A-CAA-CBA-CGA
13	f	1228	CLA	C2A-CAA-CBA-CGA
13	f	1232	CLA	C2A-CAA-CBA-CGA
13	f	1238	CLA	C2A-CAA-CBA-CGA
13	q	505	CLA	C2A-CAA-CBA-CGA
13	q	516	CLA	C2A-CAA-CBA-CGA
13	r	505	CLA	C2A-CAA-CBA-CGA
13	r	512	CLA	C2A-CAA-CBA-CGA
13	s	505	CLA	C2A-CAA-CBA-CGA
13	u	507	CLA	C2A-CAA-CBA-CGA
13	v	505	CLA	C2A-CAA-CBA-CGA
13	v	513	CLA	C2A-CAA-CBA-CGA
13	3	516	CLA	O1D-CGD-O2D-CED
13	a	516	CLA	O1D-CGD-O2D-CED
13	e	1107	CLA	O1D-CGD-O2D-CED
13	s	516	CLA	O1D-CGD-O2D-CED
13	A	1119	CLA	C3-C5-C6-C7
13	B	1206	CLA	C3-C5-C6-C7
13	2	501	CLA	C3-C5-C6-C7
13	3	505	CLA	C3-C5-C6-C7
13	3	507	CLA	C3-C5-C6-C7
13	4	505	CLA	C3-C5-C6-C7
13	5	505	CLA	C3-C5-C6-C7
13	5	511	CLA	C3-C5-C6-C7
13	5	518	CLA	C3-C5-C6-C7
13	G	1119	CLA	C3-C5-C6-C7
13	H	1206	CLA	C3-C5-C6-C7
13	Z	501	CLA	C3-C5-C6-C7
13	a	505	CLA	C3-C5-C6-C7
13	a	507	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	b	505	CLA	C3-C5-C6-C7
13	c	505	CLA	C3-C5-C6-C7
13	c	511	CLA	C3-C5-C6-C7
13	c	518	CLA	C3-C5-C6-C7
13	e	1119	CLA	C3-C5-C6-C7
13	f	1206	CLA	C3-C5-C6-C7
13	r	501	CLA	C3-C5-C6-C7
13	s	505	CLA	C3-C5-C6-C7
13	s	507	CLA	C3-C5-C6-C7
13	t	505	CLA	C3-C5-C6-C7
13	u	505	CLA	C3-C5-C6-C7
13	u	511	CLA	C3-C5-C6-C7
13	u	518	CLA	C3-C5-C6-C7
13	A	1119	CLA	CBA-CGA-O2A-C1
13	A	1122	CLA	CBA-CGA-O2A-C1
13	A	1129	CLA	CBA-CGA-O2A-C1
13	A	1135	CLA	CBA-CGA-O2A-C1
13	A	1140	CLA	CBA-CGA-O2A-C1
13	A	1130	CLA	CBA-CGA-O2A-C1
13	B	1202	CLA	CBA-CGA-O2A-C1
13	B	1206	CLA	CBA-CGA-O2A-C1
13	B	1240	CLA	CBA-CGA-O2A-C1
13	B	1230	CLA	CBA-CGA-O2A-C1
13	2	504	CLA	CBA-CGA-O2A-C1
13	4	502	CLA	CBA-CGA-O2A-C1
13	5	502	CLA	CBA-CGA-O2A-C1
13	G	1119	CLA	CBA-CGA-O2A-C1
13	G	1122	CLA	CBA-CGA-O2A-C1
13	G	1129	CLA	CBA-CGA-O2A-C1
13	G	1135	CLA	CBA-CGA-O2A-C1
13	G	1140	CLA	CBA-CGA-O2A-C1
13	G	1130	CLA	CBA-CGA-O2A-C1
13	H	1202	CLA	CBA-CGA-O2A-C1
13	H	1206	CLA	CBA-CGA-O2A-C1
13	H	1240	CLA	CBA-CGA-O2A-C1
13	H	1230	CLA	CBA-CGA-O2A-C1
13	Z	504	CLA	CBA-CGA-O2A-C1
13	b	502	CLA	CBA-CGA-O2A-C1
13	e	1119	CLA	CBA-CGA-O2A-C1
13	e	1122	CLA	CBA-CGA-O2A-C1
13	e	1129	CLA	CBA-CGA-O2A-C1
13	e	1135	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	e	1140	CLA	CBA-CGA-O2A-C1
13	e	1130	CLA	CBA-CGA-O2A-C1
13	f	1202	CLA	CBA-CGA-O2A-C1
13	f	1206	CLA	CBA-CGA-O2A-C1
13	f	1240	CLA	CBA-CGA-O2A-C1
13	f	1230	CLA	CBA-CGA-O2A-C1
13	r	504	CLA	CBA-CGA-O2A-C1
13	u	502	CLA	CBA-CGA-O2A-C1
17	A	5002	LHG	C24-C23-O8-C6
17	G	5002	LHG	C24-C23-O8-C6
17	e	5002	LHG	C24-C23-O8-C6
19	J	5104	LMG	C29-C28-O8-C9
19	T	5104	LMG	C29-C28-O8-C9
19	l	5104	LMG	C29-C28-O8-C9
20	2	822	SQD	C24-C23-O48-C46
20	3	822	SQD	C24-C23-O48-C46
20	Z	822	SQD	C24-C23-O48-C46
20	a	822	SQD	C24-C23-O48-C46
20	r	822	SQD	C24-C23-O48-C46
20	s	822	SQD	C24-C23-O48-C46
19	B	5002	LMG	O6-C5-C6-O5
19	H	5002	LMG	O6-C5-C6-O5
19	f	5002	LMG	O6-C5-C6-O5
13	A	1107	CLA	O1D-CGD-O2D-CED
13	A	1119	CLA	O1D-CGD-O2D-CED
13	6	509	CLA	O1D-CGD-O2D-CED
13	G	1107	CLA	O1D-CGD-O2D-CED
13	G	1119	CLA	O1D-CGD-O2D-CED
13	d	509	CLA	O1D-CGD-O2D-CED
13	e	1119	CLA	O1D-CGD-O2D-CED
13	v	509	CLA	O1D-CGD-O2D-CED
14	A	2001	PQN	C11-C12-C13-C14
14	B	2002	PQN	C11-C12-C13-C14
14	G	2001	PQN	C11-C12-C13-C14
14	H	2002	PQN	C11-C12-C13-C14
14	e	2001	PQN	C11-C12-C13-C14
14	f	2002	PQN	C11-C12-C13-C14
13	B	1231	CLA	CBD-CGD-O2D-CED
13	3	511	CLA	CBD-CGD-O2D-CED
13	H	1231	CLA	CBD-CGD-O2D-CED
13	a	511	CLA	CBD-CGD-O2D-CED
13	f	1231	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	s	511	CLA	CBD-CGD-O2D-CED
17	A	5006	LHG	C29-C30-C31-C32
17	G	5006	LHG	C29-C30-C31-C32
17	e	5006	LHG	C29-C30-C31-C32
13	A	1108	CLA	O1D-CGD-O2D-CED
13	A	1801	CLA	O1D-CGD-O2D-CED
13	1	516	CLA	O1D-CGD-O2D-CED
13	4	517	CLA	O1D-CGD-O2D-CED
13	5	508	CLA	O1D-CGD-O2D-CED
13	5	510	CLA	O1D-CGD-O2D-CED
13	5	517	CLA	O1D-CGD-O2D-CED
13	G	1108	CLA	O1D-CGD-O2D-CED
13	G	1801	CLA	O1D-CGD-O2D-CED
13	H	1221	CLA	O1D-CGD-O2D-CED
13	Y	516	CLA	O1D-CGD-O2D-CED
13	b	517	CLA	O1D-CGD-O2D-CED
13	c	508	CLA	O1D-CGD-O2D-CED
13	c	510	CLA	O1D-CGD-O2D-CED
13	c	517	CLA	O1D-CGD-O2D-CED
13	e	1108	CLA	O1D-CGD-O2D-CED
13	e	1801	CLA	O1D-CGD-O2D-CED
13	f	1221	CLA	O1D-CGD-O2D-CED
13	q	516	CLA	O1D-CGD-O2D-CED
13	t	517	CLA	O1D-CGD-O2D-CED
13	u	508	CLA	O1D-CGD-O2D-CED
13	u	510	CLA	O1D-CGD-O2D-CED
13	u	517	CLA	O1D-CGD-O2D-CED
17	A	5002	LHG	O9-C7-O7-C5
17	G	5002	LHG	O9-C7-O7-C5
17	e	5002	LHG	O9-C7-O7-C5
20	5	822	SQD	O49-C7-O47-C45
20	c	822	SQD	O49-C7-O47-C45
20	u	822	SQD	O49-C7-O47-C45
13	A	1129	CLA	O1A-CGA-O2A-C1
13	B	1212	CLA	O1A-CGA-O2A-C1
13	B	1230	CLA	O1A-CGA-O2A-C1
13	G	1129	CLA	O1A-CGA-O2A-C1
13	H	1212	CLA	O1A-CGA-O2A-C1
13	H	1230	CLA	O1A-CGA-O2A-C1
13	e	1129	CLA	O1A-CGA-O2A-C1
13	f	1212	CLA	O1A-CGA-O2A-C1
13	f	1230	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	A	5001	LHG	O10-C23-O8-C6
17	G	5001	LHG	O10-C23-O8-C6
17	e	5001	LHG	O10-C23-O8-C6
20	1	822	SQD	O10-C23-O48-C46
20	Y	822	SQD	O10-C23-O48-C46
20	q	822	SQD	O10-C23-O48-C46
13	B	1221	CLA	O1D-CGD-O2D-CED
18	B	1843	LMU	O5B-C5B-C6B-O6B
18	H	1843	LMU	O5B-C5B-C6B-O6B
18	f	1843	LMU	O5B-C5B-C6B-O6B
13	A	1138	CLA	CBD-CGD-O2D-CED
13	B	1206	CLA	CBD-CGD-O2D-CED
13	B	1235	CLA	CBD-CGD-O2D-CED
13	K	1103	CLA	CBD-CGD-O2D-CED
13	1	507	CLA	CBD-CGD-O2D-CED
13	1	511	CLA	CBD-CGD-O2D-CED
13	1	512	CLA	CBD-CGD-O2D-CED
13	1	519	CLA	CBD-CGD-O2D-CED
13	6	510	CLA	CBD-CGD-O2D-CED
13	G	1138	CLA	CBD-CGD-O2D-CED
13	H	1206	CLA	CBD-CGD-O2D-CED
13	H	1235	CLA	CBD-CGD-O2D-CED
13	U	1103	CLA	CBD-CGD-O2D-CED
13	Y	507	CLA	CBD-CGD-O2D-CED
13	Y	511	CLA	CBD-CGD-O2D-CED
13	Y	512	CLA	CBD-CGD-O2D-CED
13	Y	519	CLA	CBD-CGD-O2D-CED
13	d	510	CLA	CBD-CGD-O2D-CED
13	e	1138	CLA	CBD-CGD-O2D-CED
13	f	1206	CLA	CBD-CGD-O2D-CED
13	f	1235	CLA	CBD-CGD-O2D-CED
13	m	1103	CLA	CBD-CGD-O2D-CED
13	q	507	CLA	CBD-CGD-O2D-CED
13	q	511	CLA	CBD-CGD-O2D-CED
13	q	512	CLA	CBD-CGD-O2D-CED
13	q	519	CLA	CBD-CGD-O2D-CED
13	v	510	CLA	CBD-CGD-O2D-CED
13	B	1203	CLA	O1D-CGD-O2D-CED
13	B	1207	CLA	O1D-CGD-O2D-CED
13	H	1203	CLA	O1D-CGD-O2D-CED
13	H	1207	CLA	O1D-CGD-O2D-CED
13	f	1203	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	f	1207	CLA	O1D-CGD-O2D-CED
17	A	5004	LHG	O2-C2-C3-O3
17	G	5004	LHG	O2-C2-C3-O3
17	e	5004	LHG	O2-C2-C3-O3
13	A	1107	CLA	C3-C5-C6-C7
13	A	1108	CLA	C3-C5-C6-C7
13	B	1205	CLA	C3-C5-C6-C7
13	B	1215	CLA	C3-C5-C6-C7
13	2	507	CLA	C3-C5-C6-C7
13	3	510	CLA	C3-C5-C6-C7
13	G	1107	CLA	C3-C5-C6-C7
13	G	1108	CLA	C3-C5-C6-C7
13	H	1205	CLA	C3-C5-C6-C7
13	H	1215	CLA	C3-C5-C6-C7
13	Z	507	CLA	C3-C5-C6-C7
13	a	510	CLA	C3-C5-C6-C7
13	e	1107	CLA	C3-C5-C6-C7
13	e	1108	CLA	C3-C5-C6-C7
13	f	1205	CLA	C3-C5-C6-C7
13	f	1215	CLA	C3-C5-C6-C7
13	r	507	CLA	C3-C5-C6-C7
13	s	510	CLA	C3-C5-C6-C7
13	A	1108	CLA	CBA-CGA-O2A-C1
13	G	1108	CLA	CBA-CGA-O2A-C1
13	e	1108	CLA	CBA-CGA-O2A-C1
13	t	502	CLA	CBA-CGA-O2A-C1
17	B	1842	LHG	C24-C23-O8-C6
17	H	1842	LHG	C24-C23-O8-C6
17	f	1842	LHG	C24-C23-O8-C6
13	A	1135	CLA	O1A-CGA-O2A-C1
13	5	502	CLA	O1A-CGA-O2A-C1
13	G	1135	CLA	O1A-CGA-O2A-C1
13	c	502	CLA	O1A-CGA-O2A-C1
13	e	1135	CLA	O1A-CGA-O2A-C1
13	u	502	CLA	O1A-CGA-O2A-C1
18	A	1848	LMU	O5B-C5B-C6B-O6B
18	G	1848	LMU	O5B-C5B-C6B-O6B
18	e	1848	LMU	O5B-C5B-C6B-O6B
13	3	519	CLA	O1D-CGD-O2D-CED
13	6	502	CLA	O1D-CGD-O2D-CED
13	a	519	CLA	O1D-CGD-O2D-CED
13	d	502	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	s	519	CLA	O1D-CGD-O2D-CED
13	v	502	CLA	O1D-CGD-O2D-CED
13	G	1120	CLA	O1D-CGD-O2D-CED
13	e	1120	CLA	O1D-CGD-O2D-CED
13	A	1126	CLA	CBD-CGD-O2D-CED
13	A	1134	CLA	CBD-CGD-O2D-CED
13	B	1230	CLA	CBD-CGD-O2D-CED
13	1	518	CLA	CBD-CGD-O2D-CED
13	2	516	CLA	CBD-CGD-O2D-CED
13	5	502	CLA	CBD-CGD-O2D-CED
13	G	1126	CLA	CBD-CGD-O2D-CED
13	H	1230	CLA	CBD-CGD-O2D-CED
13	Y	518	CLA	CBD-CGD-O2D-CED
13	Z	516	CLA	CBD-CGD-O2D-CED
13	c	502	CLA	CBD-CGD-O2D-CED
13	e	1126	CLA	CBD-CGD-O2D-CED
13	e	1134	CLA	CBD-CGD-O2D-CED
13	f	1230	CLA	CBD-CGD-O2D-CED
13	q	518	CLA	CBD-CGD-O2D-CED
13	r	516	CLA	CBD-CGD-O2D-CED
13	u	502	CLA	CBD-CGD-O2D-CED
17	B	1855	LHG	C5-C6-O8-C23
17	H	1855	LHG	C5-C6-O8-C23
17	f	1855	LHG	C5-C6-O8-C23
13	A	1120	CLA	O1D-CGD-O2D-CED
13	G	1108	CLA	O1A-CGA-O2A-C1
13	e	1108	CLA	O1A-CGA-O2A-C1
19	B	5002	LMG	C4-C5-C6-O5
19	H	5002	LMG	C4-C5-C6-O5
19	f	5002	LMG	C4-C5-C6-O5
13	3	507	CLA	CBD-CGD-O2D-CED
13	G	1134	CLA	CBD-CGD-O2D-CED
13	a	507	CLA	CBD-CGD-O2D-CED
13	s	507	CLA	CBD-CGD-O2D-CED
13	A	1013	CLA	C3-C5-C6-C7
13	1	508	CLA	C3-C5-C6-C7
13	G	1013	CLA	C3-C5-C6-C7
13	Y	508	CLA	C3-C5-C6-C7
13	e	1013	CLA	C3-C5-C6-C7
13	q	508	CLA	C3-C5-C6-C7
13	B	1212	CLA	CBA-CGA-O2A-C1
13	H	1212	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	f	1212	CLA	CBA-CGA-O2A-C1
13	4	511	CLA	O1D-CGD-O2D-CED
13	b	511	CLA	O1D-CGD-O2D-CED
18	B	1843	LMU	C4B-C5B-C6B-O6B
18	H	1843	LMU	C4B-C5B-C6B-O6B
18	f	1843	LMU	C4B-C5B-C6B-O6B
13	A	1108	CLA	O1A-CGA-O2A-C1
13	A	1122	CLA	O1A-CGA-O2A-C1
13	4	502	CLA	O1A-CGA-O2A-C1
13	G	1122	CLA	O1A-CGA-O2A-C1
13	e	1122	CLA	O1A-CGA-O2A-C1
13	t	502	CLA	O1A-CGA-O2A-C1
17	A	5005	LHG	O10-C23-O8-C6
17	G	5005	LHG	O10-C23-O8-C6
17	e	5005	LHG	O10-C23-O8-C6
13	A	1115	CLA	C4-C3-C5-C6
13	l	510	CLA	C4-C3-C5-C6
13	G	1115	CLA	C4-C3-C5-C6
13	Y	510	CLA	C4-C3-C5-C6
13	e	1115	CLA	C4-C3-C5-C6
13	q	510	CLA	C4-C3-C5-C6
18	A	1848	LMU	C4B-C5B-C6B-O6B
18	G	1848	LMU	C4B-C5B-C6B-O6B
18	e	1848	LMU	C4B-C5B-C6B-O6B
13	A	1115	CLA	C2-C3-C5-C6
13	l	510	CLA	C2-C3-C5-C6
13	G	1115	CLA	C2-C3-C5-C6
13	Y	510	CLA	C2-C3-C5-C6
13	e	1115	CLA	C2-C3-C5-C6
13	q	510	CLA	C2-C3-C5-C6
13	A	1134	CLA	C2A-CAA-CBA-CGA
13	B	1218	CLA	C2A-CAA-CBA-CGA
13	l	517	CLA	C2A-CAA-CBA-CGA
13	G	1134	CLA	C2A-CAA-CBA-CGA
13	H	1218	CLA	C2A-CAA-CBA-CGA
13	Y	517	CLA	C2A-CAA-CBA-CGA
13	e	1134	CLA	C2A-CAA-CBA-CGA
13	f	1218	CLA	C2A-CAA-CBA-CGA
13	q	517	CLA	C2A-CAA-CBA-CGA
13	B	1239	CLA	O1D-CGD-O2D-CED
13	H	1239	CLA	O1D-CGD-O2D-CED
13	f	1239	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	t	511	CLA	O1D-CGD-O2D-CED
18	B	1843	LMU	O5'-C5'-C6'-O6'
18	H	1843	LMU	O5'-C5'-C6'-O6'
18	f	1843	LMU	O5'-C5'-C6'-O6'
13	3	502	CLA	O1A-CGA-O2A-C1
13	a	502	CLA	O1A-CGA-O2A-C1
13	b	502	CLA	O1A-CGA-O2A-C1
13	s	502	CLA	O1A-CGA-O2A-C1
18	A	1849	LMU	O5'-C1'-O1'-C1
18	J	5105	LMU	O5'-C1'-O1'-C1
18	2	901	LMU	O5'-C1'-O1'-C1
18	G	1849	LMU	O5'-C1'-O1'-C1
18	T	5105	LMU	O5'-C1'-O1'-C1
18	e	1849	LMU	O5'-C1'-O1'-C1
18	l	5105	LMU	O5'-C1'-O1'-C1
13	B	1234	CLA	CBA-CGA-O2A-C1
13	J	1303	CLA	CBA-CGA-O2A-C1
13	3	502	CLA	CBA-CGA-O2A-C1
13	H	1234	CLA	CBA-CGA-O2A-C1
13	T	1303	CLA	CBA-CGA-O2A-C1
13	a	502	CLA	CBA-CGA-O2A-C1
13	f	1234	CLA	CBA-CGA-O2A-C1
13	l	1303	CLA	CBA-CGA-O2A-C1
13	s	502	CLA	CBA-CGA-O2A-C1
13	e	1124	CLA	CBD-CGD-O2D-CED
19	J	5104	LMG	C4-C5-C6-O5
19	T	5104	LMG	C4-C5-C6-O5
19	l	5104	LMG	C4-C5-C6-O5
13	J	1302	CLA	O1D-CGD-O2D-CED
13	T	1302	CLA	O1D-CGD-O2D-CED
13	l	1302	CLA	O1D-CGD-O2D-CED
13	1	516	CLA	C4C-C3C-CAC-CBC
13	Y	516	CLA	C4C-C3C-CAC-CBC
13	q	516	CLA	C4C-C3C-CAC-CBC
13	A	1103	CLA	O1D-CGD-O2D-CED
13	A	1132	CLA	O1D-CGD-O2D-CED
13	B	1012	CLA	O1D-CGD-O2D-CED
13	B	1229	CLA	O1D-CGD-O2D-CED
13	B	1240	CLA	O1D-CGD-O2D-CED
13	6	519	CLA	O1D-CGD-O2D-CED
13	G	1103	CLA	O1D-CGD-O2D-CED
13	G	1111	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	G	1132	CLA	O1D-CGD-O2D-CED
13	H	1012	CLA	O1D-CGD-O2D-CED
13	H	1229	CLA	O1D-CGD-O2D-CED
13	H	1240	CLA	O1D-CGD-O2D-CED
13	d	519	CLA	O1D-CGD-O2D-CED
13	e	1103	CLA	O1D-CGD-O2D-CED
13	e	1132	CLA	O1D-CGD-O2D-CED
13	f	1012	CLA	O1D-CGD-O2D-CED
13	f	1229	CLA	O1D-CGD-O2D-CED
13	f	1240	CLA	O1D-CGD-O2D-CED
13	v	519	CLA	O1D-CGD-O2D-CED
13	A	1124	CLA	CBD-CGD-O2D-CED
13	G	1124	CLA	CBD-CGD-O2D-CED
13	A	1111	CLA	O1D-CGD-O2D-CED
13	6	511	CLA	O1D-CGD-O2D-CED
13	6	518	CLA	O1D-CGD-O2D-CED
13	d	511	CLA	O1D-CGD-O2D-CED
13	d	518	CLA	O1D-CGD-O2D-CED
13	e	1111	CLA	O1D-CGD-O2D-CED
13	v	511	CLA	O1D-CGD-O2D-CED
13	v	518	CLA	O1D-CGD-O2D-CED
17	A	5005	LHG	C1-C2-C3-O3
17	G	5005	LHG	C1-C2-C3-O3
17	e	5005	LHG	C1-C2-C3-O3
13	B	1234	CLA	O1A-CGA-O2A-C1
13	H	1234	CLA	O1A-CGA-O2A-C1
13	f	1234	CLA	O1A-CGA-O2A-C1
20	3	822	SQD	O10-C23-O48-C46
20	a	822	SQD	O10-C23-O48-C46
20	s	822	SQD	O10-C23-O48-C46
13	A	1130	CLA	C3-C5-C6-C7
13	4	503	CLA	C3-C5-C6-C7
13	G	1130	CLA	C3-C5-C6-C7
13	b	503	CLA	C3-C5-C6-C7
13	e	1130	CLA	C3-C5-C6-C7
13	t	503	CLA	C3-C5-C6-C7
13	J	1303	CLA	O1D-CGD-O2D-CED
13	2	504	CLA	O1D-CGD-O2D-CED
13	T	1303	CLA	O1D-CGD-O2D-CED
13	Z	504	CLA	O1D-CGD-O2D-CED
13	l	1303	CLA	O1D-CGD-O2D-CED
13	r	504	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	A	1104	CLA	CBA-CGA-O2A-C1
13	A	1106	CLA	CBA-CGA-O2A-C1
13	A	1118	CLA	CBA-CGA-O2A-C1
13	A	1133	CLA	CBA-CGA-O2A-C1
13	A	1237	CLA	CBA-CGA-O2A-C1
13	B	1214	CLA	CBA-CGA-O2A-C1
13	B	1225	CLA	CBA-CGA-O2A-C1
13	B	1239	CLA	CBA-CGA-O2A-C1
13	K	1401	CLA	CBA-CGA-O2A-C1
13	2	502	CLA	CBA-CGA-O2A-C1
13	2	512	CLA	CBA-CGA-O2A-C1
13	6	518	CLA	CBA-CGA-O2A-C1
13	G	1104	CLA	CBA-CGA-O2A-C1
13	G	1106	CLA	CBA-CGA-O2A-C1
13	G	1118	CLA	CBA-CGA-O2A-C1
13	G	1133	CLA	CBA-CGA-O2A-C1
13	G	1237	CLA	CBA-CGA-O2A-C1
13	H	1214	CLA	CBA-CGA-O2A-C1
13	H	1225	CLA	CBA-CGA-O2A-C1
13	H	1239	CLA	CBA-CGA-O2A-C1
13	U	1401	CLA	CBA-CGA-O2A-C1
13	Z	502	CLA	CBA-CGA-O2A-C1
13	Z	512	CLA	CBA-CGA-O2A-C1
13	d	518	CLA	CBA-CGA-O2A-C1
13	e	1104	CLA	CBA-CGA-O2A-C1
13	e	1106	CLA	CBA-CGA-O2A-C1
13	e	1118	CLA	CBA-CGA-O2A-C1
13	e	1133	CLA	CBA-CGA-O2A-C1
13	e	1237	CLA	CBA-CGA-O2A-C1
13	f	1214	CLA	CBA-CGA-O2A-C1
13	f	1225	CLA	CBA-CGA-O2A-C1
13	f	1239	CLA	CBA-CGA-O2A-C1
13	m	1401	CLA	CBA-CGA-O2A-C1
13	r	502	CLA	CBA-CGA-O2A-C1
13	r	512	CLA	CBA-CGA-O2A-C1
13	v	518	CLA	CBA-CGA-O2A-C1
17	A	5001	LHG	C24-C23-O8-C6
17	G	5001	LHG	C24-C23-O8-C6
17	e	5001	LHG	C24-C23-O8-C6
20	L	5216	SQD	C24-C23-O48-C46
20	1	822	SQD	C24-C23-O48-C46
20	V	5216	SQD	C24-C23-O48-C46

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Mol	Chain	Res	Type	Atoms
20	Y	822	SQD	C24-C23-O48-C46
20	n	5216	SQD	C24-C23-O48-C46
20	q	822	SQD	C24-C23-O48-C46
13	2	510	CLA	CBD-CGD-O2D-CED
13	3	505	CLA	CBD-CGD-O2D-CED
13	4	509	CLA	CBD-CGD-O2D-CED
13	Z	510	CLA	CBD-CGD-O2D-CED
13	b	509	CLA	CBD-CGD-O2D-CED
13	r	510	CLA	CBD-CGD-O2D-CED
13	s	505	CLA	CBD-CGD-O2D-CED
13	t	509	CLA	CBD-CGD-O2D-CED
13	A	1106	CLA	O1D-CGD-O2D-CED
18	B	1843	LMU	C4'-C5'-C6'-O6'
18	H	1843	LMU	C4'-C5'-C6'-O6'
18	f	1843	LMU	C4'-C5'-C6'-O6'
13	a	505	CLA	CBD-CGD-O2D-CED
13	G	1106	CLA	O1D-CGD-O2D-CED
13	e	1106	CLA	O1D-CGD-O2D-CED
13	A	1115	CLA	C10-C11-C12-C13
13	B	1215	CLA	C10-C11-C12-C13
13	B	1220	CLA	C5-C6-C7-C8
13	B	1223	CLA	C8-C10-C11-C12
13	B	1225	CLA	C15-C16-C17-C18
13	L	1503	CLA	C5-C6-C7-C8
13	L	1503	CLA	C8-C10-C11-C12
13	2	510	CLA	C8-C10-C11-C12
13	G	1115	CLA	C10-C11-C12-C13
13	H	1215	CLA	C10-C11-C12-C13
13	H	1220	CLA	C5-C6-C7-C8
13	H	1223	CLA	C8-C10-C11-C12
13	H	1225	CLA	C15-C16-C17-C18
13	V	1503	CLA	C5-C6-C7-C8
13	V	1503	CLA	C8-C10-C11-C12
13	Z	510	CLA	C8-C10-C11-C12
13	e	1115	CLA	C10-C11-C12-C13
13	f	1215	CLA	C10-C11-C12-C13
13	f	1220	CLA	C5-C6-C7-C8
13	f	1223	CLA	C8-C10-C11-C12
13	f	1225	CLA	C15-C16-C17-C18
13	n	1503	CLA	C5-C6-C7-C8
13	n	1503	CLA	C8-C10-C11-C12
13	r	510	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
13	B	1204	CLA	C3-C5-C6-C7
13	H	1204	CLA	C3-C5-C6-C7
13	f	1204	CLA	C3-C5-C6-C7
13	A	1135	CLA	C3-C5-C6-C7
13	G	1135	CLA	C3-C5-C6-C7
13	e	1135	CLA	C3-C5-C6-C7
13	4	507	CLA	O1D-CGD-O2D-CED
13	A	1118	CLA	O1A-CGA-O2A-C1
13	A	1133	CLA	O1A-CGA-O2A-C1
13	G	1118	CLA	O1A-CGA-O2A-C1
13	G	1133	CLA	O1A-CGA-O2A-C1
13	e	1118	CLA	O1A-CGA-O2A-C1
13	e	1133	CLA	O1A-CGA-O2A-C1
13	B	1217	CLA	C4-C3-C5-C6
13	L	1503	CLA	C4-C3-C5-C6
13	H	1217	CLA	C4-C3-C5-C6
13	V	1503	CLA	C4-C3-C5-C6
13	f	1217	CLA	C4-C3-C5-C6
13	n	1503	CLA	C4-C3-C5-C6
13	A	1133	CLA	C2-C3-C5-C6
13	G	1133	CLA	C2-C3-C5-C6
13	e	1133	CLA	C2-C3-C5-C6
13	A	1116	CLA	C6-C7-C8-C9
13	A	1137	CLA	C6-C7-C8-C9
13	A	1139	CLA	C6-C7-C8-C9
13	B	1215	CLA	C6-C7-C8-C9
13	B	1215	CLA	C11-C12-C13-C14
13	B	1226	CLA	C14-C13-C15-C16
13	J	1303	CLA	C14-C13-C15-C16
13	3	505	CLA	C6-C7-C8-C9
13	G	1116	CLA	C6-C7-C8-C9
13	G	1137	CLA	C6-C7-C8-C9
13	G	1139	CLA	C6-C7-C8-C9
13	H	1215	CLA	C6-C7-C8-C9
13	H	1215	CLA	C11-C12-C13-C14
13	H	1226	CLA	C14-C13-C15-C16
13	T	1303	CLA	C14-C13-C15-C16
13	a	505	CLA	C6-C7-C8-C9
13	e	1116	CLA	C6-C7-C8-C9
13	e	1137	CLA	C6-C7-C8-C9
13	e	1139	CLA	C6-C7-C8-C9
13	f	1215	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	f	1215	CLA	C11-C12-C13-C14
13	f	1226	CLA	C14-C13-C15-C16
13	l	1303	CLA	C14-C13-C15-C16
13	s	505	CLA	C6-C7-C8-C9
14	A	2001	PQN	C21-C22-C23-C24
14	G	2001	PQN	C21-C22-C23-C24
14	e	2001	PQN	C21-C22-C23-C24
13	A	1112	CLA	O1D-CGD-O2D-CED
13	B	1201	CLA	O1D-CGD-O2D-CED
13	B	1209	CLA	O1D-CGD-O2D-CED
13	2	507	CLA	O1D-CGD-O2D-CED
13	G	1112	CLA	O1D-CGD-O2D-CED
13	H	1201	CLA	O1D-CGD-O2D-CED
13	H	1209	CLA	O1D-CGD-O2D-CED
13	Z	507	CLA	O1D-CGD-O2D-CED
13	b	507	CLA	O1D-CGD-O2D-CED
13	e	1112	CLA	O1D-CGD-O2D-CED
13	f	1201	CLA	O1D-CGD-O2D-CED
13	f	1209	CLA	O1D-CGD-O2D-CED
13	r	507	CLA	O1D-CGD-O2D-CED
13	t	507	CLA	O1D-CGD-O2D-CED
13	v	512	CLA	O1D-CGD-O2D-CED
13	L	1503	CLA	CBD-CGD-O2D-CED
13	V	1503	CLA	CBD-CGD-O2D-CED
13	n	1503	CLA	CBD-CGD-O2D-CED
13	A	1106	CLA	C8-C10-C11-C12
13	A	1133	CLA	C8-C10-C11-C12
13	1	509	CLA	C10-C11-C12-C13
13	G	1106	CLA	C8-C10-C11-C12
13	G	1133	CLA	C8-C10-C11-C12
13	Y	509	CLA	C10-C11-C12-C13
13	e	1106	CLA	C8-C10-C11-C12
13	e	1133	CLA	C8-C10-C11-C12
13	q	509	CLA	C10-C11-C12-C13
13	B	1224	CLA	C2A-CAA-CBA-CGA
13	B	1207	CLA	C2A-CAA-CBA-CGA
13	3	512	CLA	C2A-CAA-CBA-CGA
13	4	505	CLA	C2A-CAA-CBA-CGA
13	H	1224	CLA	C2A-CAA-CBA-CGA
13	H	1207	CLA	C2A-CAA-CBA-CGA
13	a	512	CLA	C2A-CAA-CBA-CGA
13	b	505	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	f	1224	CLA	C2A-CAA-CBA-CGA
13	f	1207	CLA	C2A-CAA-CBA-CGA
13	s	512	CLA	C2A-CAA-CBA-CGA
13	t	505	CLA	C2A-CAA-CBA-CGA
16	A	4001	BCR	C7-C8-C9-C34
16	A	4001	BCR	C11-C12-C13-C35
16	A	4011	BCR	C36-C18-C19-C20
16	A	4011	BCR	C37-C22-C23-C24
16	B	4010	BCR	C11-C12-C13-C35
16	B	4014	BCR	C7-C8-C9-C34
16	J	4013	BCR	C37-C22-C23-C24
16	J	4012	BCR	C37-C22-C23-C24
16	3	524	BCR	C7-C8-C9-C34
16	4	521	BCR	C36-C18-C19-C20
16	4	524	BCR	C7-C8-C9-C34
16	6	522	BCR	C7-C8-C9-C34
16	G	4001	BCR	C7-C8-C9-C34
16	G	4001	BCR	C11-C12-C13-C35
16	G	4011	BCR	C36-C18-C19-C20
16	G	4011	BCR	C37-C22-C23-C24
16	H	4010	BCR	C11-C12-C13-C35
16	H	4014	BCR	C7-C8-C9-C34
16	T	4013	BCR	C37-C22-C23-C24
16	T	4012	BCR	C37-C22-C23-C24
16	a	524	BCR	C7-C8-C9-C34
16	b	521	BCR	C36-C18-C19-C20
16	b	524	BCR	C7-C8-C9-C34
16	d	522	BCR	C7-C8-C9-C34
16	e	4001	BCR	C7-C8-C9-C34
16	e	4001	BCR	C11-C12-C13-C35
16	e	4011	BCR	C36-C18-C19-C20
16	e	4011	BCR	C37-C22-C23-C24
16	f	4010	BCR	C11-C12-C13-C35
16	f	4014	BCR	C7-C8-C9-C34
16	l	4013	BCR	C37-C22-C23-C24
16	l	4012	BCR	C37-C22-C23-C24
16	s	524	BCR	C7-C8-C9-C34
16	t	521	BCR	C36-C18-C19-C20
16	t	524	BCR	C7-C8-C9-C34
16	v	522	BCR	C7-C8-C9-C34
16	A	4011	BCR	C21-C22-C23-C24
16	J	4013	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
16	J	4012	BCR	C21-C22-C23-C24
16	3	521	BCR	C7-C8-C9-C10
16	G	4011	BCR	C21-C22-C23-C24
16	T	4013	BCR	C21-C22-C23-C24
16	T	4012	BCR	C21-C22-C23-C24
16	a	521	BCR	C7-C8-C9-C10
16	e	4011	BCR	C21-C22-C23-C24
16	l	4013	BCR	C21-C22-C23-C24
16	l	4012	BCR	C21-C22-C23-C24
16	s	521	BCR	C7-C8-C9-C10
13	6	512	CLA	O1D-CGD-O2D-CED
13	d	512	CLA	O1D-CGD-O2D-CED
13	B	1023	CLA	C2C-C3C-CAC-CBC
13	H	1023	CLA	C2C-C3C-CAC-CBC
13	f	1023	CLA	C2C-C3C-CAC-CBC
13	B	1214	CLA	O1A-CGA-O2A-C1
13	B	1239	CLA	O1A-CGA-O2A-C1
13	2	502	CLA	O1A-CGA-O2A-C1
13	H	1214	CLA	O1A-CGA-O2A-C1
13	H	1239	CLA	O1A-CGA-O2A-C1
13	Z	502	CLA	O1A-CGA-O2A-C1
13	f	1214	CLA	O1A-CGA-O2A-C1
13	f	1239	CLA	O1A-CGA-O2A-C1
13	r	502	CLA	O1A-CGA-O2A-C1
13	A	1102	CLA	C13-C15-C16-C17
13	B	1203	CLA	C8-C10-C11-C12
13	B	1214	CLA	C13-C15-C16-C17
13	3	510	CLA	C8-C10-C11-C12
13	G	1102	CLA	C13-C15-C16-C17
13	H	1203	CLA	C8-C10-C11-C12
13	H	1214	CLA	C13-C15-C16-C17
13	a	510	CLA	C8-C10-C11-C12
13	e	1102	CLA	C13-C15-C16-C17
13	f	1203	CLA	C8-C10-C11-C12
13	f	1214	CLA	C13-C15-C16-C17
13	s	510	CLA	C8-C10-C11-C12
13	4	508	CLA	O1D-CGD-O2D-CED
13	b	508	CLA	O1D-CGD-O2D-CED
13	t	508	CLA	O1D-CGD-O2D-CED
13	2	502	CLA	CBD-CGD-O2D-CED
13	Z	502	CLA	CBD-CGD-O2D-CED
13	r	502	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	B	1210	CLA	C3-C5-C6-C7
13	H	1210	CLA	C3-C5-C6-C7
13	f	1210	CLA	C3-C5-C6-C7
13	J	1302	CLA	CBA-CGA-O2A-C1
13	l	502	CLA	CBA-CGA-O2A-C1
13	T	1302	CLA	CBA-CGA-O2A-C1
13	Y	502	CLA	CBA-CGA-O2A-C1
13	l	1302	CLA	CBA-CGA-O2A-C1
13	q	502	CLA	CBA-CGA-O2A-C1
19	B	5002	LMG	C29-C28-O8-C9
19	H	5002	LMG	C29-C28-O8-C9
19	f	5002	LMG	C29-C28-O8-C9
13	A	1013	CLA	C13-C15-C16-C17
13	A	1116	CLA	C5-C6-C7-C8
13	A	1126	CLA	C15-C16-C17-C18
13	A	1137	CLA	C5-C6-C7-C8
13	A	1137	CLA	C10-C11-C12-C13
13	B	1227	CLA	C13-C15-C16-C17
13	L	1501	CLA	C8-C10-C11-C12
13	3	519	CLA	C5-C6-C7-C8
13	4	505	CLA	C15-C16-C17-C18
13	5	503	CLA	C5-C6-C7-C8
13	G	1013	CLA	C13-C15-C16-C17
13	G	1116	CLA	C5-C6-C7-C8
13	G	1126	CLA	C15-C16-C17-C18
13	G	1137	CLA	C5-C6-C7-C8
13	G	1137	CLA	C10-C11-C12-C13
13	H	1227	CLA	C13-C15-C16-C17
13	V	1501	CLA	C8-C10-C11-C12
13	a	519	CLA	C5-C6-C7-C8
13	b	505	CLA	C15-C16-C17-C18
13	c	503	CLA	C5-C6-C7-C8
13	e	1116	CLA	C5-C6-C7-C8
13	e	1126	CLA	C15-C16-C17-C18
13	e	1137	CLA	C5-C6-C7-C8
13	e	1137	CLA	C10-C11-C12-C13
13	f	1227	CLA	C13-C15-C16-C17
13	n	1501	CLA	C8-C10-C11-C12
13	s	519	CLA	C5-C6-C7-C8
13	t	505	CLA	C15-C16-C17-C18
13	u	503	CLA	C5-C6-C7-C8
17	B	1842	LHG	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
17	L	5220	LHG	C23-C24-C25-C26
17	V	5218	LHG	C23-C24-C25-C26
17	V	5220	LHG	C23-C24-C25-C26
17	f	1842	LHG	C23-C24-C25-C26
17	n	5218	LHG	C23-C24-C25-C26
17	n	5220	LHG	C23-C24-C25-C26
13	A	1123	CLA	O1D-CGD-O2D-CED
13	G	1123	CLA	O1D-CGD-O2D-CED
13	e	1123	CLA	O1D-CGD-O2D-CED
13	3	516	CLA	C4C-C3C-CAC-CBC
13	a	516	CLA	C4C-C3C-CAC-CBC
13	s	516	CLA	C4C-C3C-CAC-CBC
13	A	1106	CLA	C5-C6-C7-C8
13	A	1115	CLA	C5-C6-C7-C8
13	A	1125	CLA	C10-C11-C12-C13
13	A	1101	CLA	C10-C11-C12-C13
13	A	1101	CLA	C13-C15-C16-C17
13	B	1012	CLA	C5-C6-C7-C8
13	B	1204	CLA	C5-C6-C7-C8
13	B	1213	CLA	C5-C6-C7-C8
13	B	1219	CLA	C15-C16-C17-C18
13	B	1223	CLA	C13-C15-C16-C17
13	B	1239	CLA	C15-C16-C17-C18
13	B	1240	CLA	C10-C11-C12-C13
13	L	1503	CLA	C10-C11-C12-C13
13	1	509	CLA	C15-C16-C17-C18
13	1	510	CLA	C5-C6-C7-C8
13	2	502	CLA	C10-C11-C12-C13
13	3	513	CLA	C13-C15-C16-C17
13	5	501	CLA	C13-C15-C16-C17
13	5	505	CLA	C8-C10-C11-C12
13	G	1106	CLA	C5-C6-C7-C8
13	G	1115	CLA	C5-C6-C7-C8
13	G	1125	CLA	C10-C11-C12-C13
13	G	1101	CLA	C10-C11-C12-C13
13	G	1101	CLA	C13-C15-C16-C17
13	H	1012	CLA	C5-C6-C7-C8
13	H	1204	CLA	C5-C6-C7-C8
13	H	1213	CLA	C5-C6-C7-C8
13	H	1219	CLA	C15-C16-C17-C18
13	H	1223	CLA	C13-C15-C16-C17
13	H	1239	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
13	H	1240	CLA	C10-C11-C12-C13
13	V	1503	CLA	C10-C11-C12-C13
13	Y	509	CLA	C15-C16-C17-C18
13	Y	510	CLA	C5-C6-C7-C8
13	Z	502	CLA	C10-C11-C12-C13
13	a	513	CLA	C13-C15-C16-C17
13	c	501	CLA	C13-C15-C16-C17
13	c	505	CLA	C8-C10-C11-C12
13	e	1013	CLA	C13-C15-C16-C17
13	e	1106	CLA	C5-C6-C7-C8
13	e	1115	CLA	C5-C6-C7-C8
13	e	1125	CLA	C10-C11-C12-C13
13	e	1101	CLA	C10-C11-C12-C13
13	e	1101	CLA	C13-C15-C16-C17
13	f	1012	CLA	C5-C6-C7-C8
13	f	1204	CLA	C5-C6-C7-C8
13	f	1213	CLA	C5-C6-C7-C8
13	f	1219	CLA	C15-C16-C17-C18
13	f	1223	CLA	C13-C15-C16-C17
13	f	1239	CLA	C15-C16-C17-C18
13	f	1240	CLA	C10-C11-C12-C13
13	n	1503	CLA	C10-C11-C12-C13
13	q	509	CLA	C15-C16-C17-C18
13	q	510	CLA	C5-C6-C7-C8
13	r	502	CLA	C10-C11-C12-C13
13	s	513	CLA	C13-C15-C16-C17
13	u	501	CLA	C13-C15-C16-C17
13	u	505	CLA	C8-C10-C11-C12
13	B	1220	CLA	O1D-CGD-O2D-CED
13	H	1220	CLA	O1D-CGD-O2D-CED
13	e	1104	CLA	O1D-CGD-O2D-CED
13	f	1220	CLA	O1D-CGD-O2D-CED
17	A	5004	LHG	O1-C1-C2-O2
17	A	5007	LHG	O1-C1-C2-O2
17	G	5004	LHG	O1-C1-C2-O2
17	G	5007	LHG	O1-C1-C2-O2
17	e	5004	LHG	O1-C1-C2-O2
17	e	5007	LHG	O1-C1-C2-O2
17	A	5006	LHG	C23-C24-C25-C26
17	A	5008	LHG	C23-C24-C25-C26
17	A	5009	LHG	C23-C24-C25-C26
17	A	5001	LHG	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
17	L	5218	LHG	C23-C24-C25-C26
17	L	5220	LHG	C7-C8-C9-C10
17	G	5006	LHG	C23-C24-C25-C26
17	G	5008	LHG	C23-C24-C25-C26
17	G	5009	LHG	C23-C24-C25-C26
17	G	5001	LHG	C23-C24-C25-C26
17	H	1842	LHG	C23-C24-C25-C26
17	V	5220	LHG	C7-C8-C9-C10
17	e	5006	LHG	C23-C24-C25-C26
17	e	5008	LHG	C23-C24-C25-C26
17	e	5009	LHG	C23-C24-C25-C26
17	e	5001	LHG	C23-C24-C25-C26
17	n	5220	LHG	C7-C8-C9-C10
20	L	5216	SQD	C7-C8-C9-C10
20	V	5216	SQD	C7-C8-C9-C10
20	n	5216	SQD	C7-C8-C9-C10
19	J	5104	LMG	O6-C5-C6-O5
19	T	5104	LMG	O6-C5-C6-O5
19	l	5104	LMG	O6-C5-C6-O5
13	A	1128	CLA	CBD-CGD-O2D-CED
13	G	1128	CLA	CBD-CGD-O2D-CED
13	e	1128	CLA	CBD-CGD-O2D-CED
13	A	1104	CLA	O1D-CGD-O2D-CED
13	G	1104	CLA	O1D-CGD-O2D-CED
13	A	1106	CLA	C10-C11-C12-C13
13	B	1205	CLA	C13-C15-C16-C17
13	B	1210	CLA	C8-C10-C11-C12
13	B	1207	CLA	C13-C15-C16-C17
13	L	1501	CLA	C10-C11-C12-C13
13	1	505	CLA	C8-C10-C11-C12
13	2	505	CLA	C8-C10-C11-C12
13	3	505	CLA	C8-C10-C11-C12
13	3	513	CLA	C8-C10-C11-C12
13	5	509	CLA	C8-C10-C11-C12
13	G	1106	CLA	C10-C11-C12-C13
13	H	1205	CLA	C13-C15-C16-C17
13	H	1210	CLA	C8-C10-C11-C12
13	H	1207	CLA	C13-C15-C16-C17
13	V	1501	CLA	C10-C11-C12-C13
13	Y	505	CLA	C8-C10-C11-C12
13	Z	505	CLA	C8-C10-C11-C12
13	a	505	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
13	a	513	CLA	C8-C10-C11-C12
13	c	509	CLA	C8-C10-C11-C12
13	e	1106	CLA	C10-C11-C12-C13
13	f	1205	CLA	C13-C15-C16-C17
13	f	1210	CLA	C8-C10-C11-C12
13	f	1207	CLA	C13-C15-C16-C17
13	n	1501	CLA	C10-C11-C12-C13
13	q	505	CLA	C8-C10-C11-C12
13	r	505	CLA	C8-C10-C11-C12
13	s	505	CLA	C8-C10-C11-C12
13	s	513	CLA	C8-C10-C11-C12
13	u	509	CLA	C8-C10-C11-C12
14	A	2001	PQN	C15-C16-C17-C18
14	G	2001	PQN	C15-C16-C17-C18
14	e	2001	PQN	C15-C16-C17-C18
18	A	1849	LMU	O1'-C1-C2-C3
18	G	1849	LMU	O1'-C1-C2-C3
18	e	1849	LMU	O1'-C1-C2-C3
13	A	1104	CLA	C15-C16-C17-C18
13	B	1023	CLA	C10-C11-C12-C13
13	B	1214	CLA	C5-C6-C7-C8
13	3	509	CLA	C15-C16-C17-C18
13	G	1104	CLA	C15-C16-C17-C18
13	H	1023	CLA	C10-C11-C12-C13
13	H	1214	CLA	C5-C6-C7-C8
13	e	1104	CLA	C15-C16-C17-C18
13	f	1023	CLA	C10-C11-C12-C13
13	f	1214	CLA	C5-C6-C7-C8
17	A	5008	LHG	C7-C8-C9-C10
17	G	5008	LHG	C7-C8-C9-C10
17	e	5008	LHG	C7-C8-C9-C10
20	1	822	SQD	C23-C24-C25-C26
20	Y	822	SQD	C23-C24-C25-C26
20	q	822	SQD	C23-C24-C25-C26
13	B	1224	CLA	CBD-CGD-O2D-CED
13	H	1224	CLA	CBD-CGD-O2D-CED
13	f	1224	CLA	CBD-CGD-O2D-CED
13	B	1217	CLA	C8-C10-C11-C12
13	H	1217	CLA	C8-C10-C11-C12
13	f	1217	CLA	C8-C10-C11-C12
13	A	1126	CLA	C10-C11-C12-C13
13	A	1137	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
13	6	505	CLA	C8-C10-C11-C12
13	G	1126	CLA	C10-C11-C12-C13
13	G	1137	CLA	C15-C16-C17-C18
13	a	509	CLA	C15-C16-C17-C18
13	d	505	CLA	C8-C10-C11-C12
13	e	1126	CLA	C10-C11-C12-C13
13	e	1137	CLA	C15-C16-C17-C18
13	s	509	CLA	C15-C16-C17-C18
13	v	505	CLA	C8-C10-C11-C12
13	A	1113	CLA	O1D-CGD-O2D-CED
13	6	507	CLA	O1D-CGD-O2D-CED
13	G	1113	CLA	O1D-CGD-O2D-CED
13	e	1113	CLA	O1D-CGD-O2D-CED
13	B	1221	CLA	C11-C10-C8-C7
13	B	1230	CLA	C6-C7-C8-C10
13	F	1301	CLA	C11-C10-C8-C7
13	L	1501	CLA	C6-C7-C8-C10
13	3	513	CLA	C6-C7-C8-C10
13	H	1221	CLA	C11-C10-C8-C7
13	H	1230	CLA	C6-C7-C8-C10
13	R	1301	CLA	C11-C10-C8-C7
13	V	1501	CLA	C6-C7-C8-C10
13	a	513	CLA	C6-C7-C8-C10
13	f	1221	CLA	C11-C10-C8-C7
13	f	1230	CLA	C6-C7-C8-C10
13	j	1301	CLA	C11-C10-C8-C7
13	n	1501	CLA	C6-C7-C8-C10
13	s	513	CLA	C6-C7-C8-C10
14	A	2001	PQN	C21-C22-C23-C25
14	G	2001	PQN	C21-C22-C23-C25
14	e	2001	PQN	C21-C22-C23-C25
13	A	1115	CLA	C3-C5-C6-C7
13	B	1219	CLA	C3-C5-C6-C7
13	2	518	CLA	C3-C5-C6-C7
13	4	509	CLA	C3-C5-C6-C7
13	G	1115	CLA	C3-C5-C6-C7
13	H	1219	CLA	C3-C5-C6-C7
13	Z	518	CLA	C3-C5-C6-C7
13	e	1115	CLA	C3-C5-C6-C7
13	f	1219	CLA	C3-C5-C6-C7
13	r	518	CLA	C3-C5-C6-C7
13	t	509	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	B	1225	CLA	O1A-CGA-O2A-C1
13	K	1401	CLA	O1A-CGA-O2A-C1
13	6	518	CLA	O1A-CGA-O2A-C1
13	H	1225	CLA	O1A-CGA-O2A-C1
13	U	1401	CLA	O1A-CGA-O2A-C1
13	d	518	CLA	O1A-CGA-O2A-C1
13	f	1225	CLA	O1A-CGA-O2A-C1
13	m	1401	CLA	O1A-CGA-O2A-C1
13	v	518	CLA	O1A-CGA-O2A-C1
17	B	1855	LHG	O10-C23-O8-C6
17	H	1855	LHG	O10-C23-O8-C6
17	f	1855	LHG	O10-C23-O8-C6
16	6	522	BCR	C9-C10-C11-C12
16	d	522	BCR	C9-C10-C11-C12
16	v	522	BCR	C9-C10-C11-C12
13	A	1107	CLA	C2A-CAA-CBA-CGA
13	B	1201	CLA	C2A-CAA-CBA-CGA
13	F	1302	CLA	C2A-CAA-CBA-CGA
13	6	516	CLA	C2A-CAA-CBA-CGA
13	G	1107	CLA	C2A-CAA-CBA-CGA
13	H	1201	CLA	C2A-CAA-CBA-CGA
13	R	1302	CLA	C2A-CAA-CBA-CGA
13	d	516	CLA	C2A-CAA-CBA-CGA
13	e	1107	CLA	C2A-CAA-CBA-CGA
13	f	1201	CLA	C2A-CAA-CBA-CGA
13	j	1302	CLA	C2A-CAA-CBA-CGA
13	a	504	CLA	O1D-CGD-O2D-CED
13	d	507	CLA	O1D-CGD-O2D-CED
13	v	507	CLA	O1D-CGD-O2D-CED
13	A	1126	CLA	C8-C10-C11-C12
13	1	510	CLA	C8-C10-C11-C12
13	2	509	CLA	C15-C16-C17-C18
13	4	505	CLA	C8-C10-C11-C12
13	6	505	CLA	C5-C6-C7-C8
13	G	1126	CLA	C8-C10-C11-C12
13	Y	510	CLA	C8-C10-C11-C12
13	Z	509	CLA	C15-C16-C17-C18
13	b	505	CLA	C8-C10-C11-C12
13	d	505	CLA	C5-C6-C7-C8
13	e	1126	CLA	C8-C10-C11-C12
13	q	510	CLA	C8-C10-C11-C12
13	r	509	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
13	t	505	CLA	C8-C10-C11-C12
13	v	505	CLA	C5-C6-C7-C8
14	A	2001	PQN	C18-C20-C21-C22
14	G	2001	PQN	C18-C20-C21-C22
14	e	2001	PQN	C18-C20-C21-C22
13	A	1106	CLA	O1A-CGA-O2A-C1
13	2	512	CLA	O1A-CGA-O2A-C1
13	G	1106	CLA	O1A-CGA-O2A-C1
13	Z	512	CLA	O1A-CGA-O2A-C1
13	e	1106	CLA	O1A-CGA-O2A-C1
13	r	512	CLA	O1A-CGA-O2A-C1
13	A	1136	CLA	C8-C10-C11-C12
13	B	1203	CLA	C5-C6-C7-C8
13	B	1208	CLA	C10-C11-C12-C13
13	B	1210	CLA	C10-C11-C12-C13
13	G	1136	CLA	C8-C10-C11-C12
13	H	1203	CLA	C5-C6-C7-C8
13	H	1208	CLA	C10-C11-C12-C13
13	H	1210	CLA	C10-C11-C12-C13
13	f	1210	CLA	C10-C11-C12-C13
13	A	1013	CLA	O1D-CGD-O2D-CED
13	A	1137	CLA	O1D-CGD-O2D-CED
13	3	504	CLA	O1D-CGD-O2D-CED
13	G	1013	CLA	O1D-CGD-O2D-CED
13	G	1137	CLA	O1D-CGD-O2D-CED
13	e	1013	CLA	O1D-CGD-O2D-CED
13	e	1137	CLA	O1D-CGD-O2D-CED
13	s	504	CLA	O1D-CGD-O2D-CED
17	A	5002	LHG	C7-C8-C9-C10
17	L	5218	LHG	C7-C8-C9-C10
17	G	5002	LHG	C7-C8-C9-C10
17	V	5218	LHG	C7-C8-C9-C10
17	e	5002	LHG	C7-C8-C9-C10
17	n	5218	LHG	C7-C8-C9-C10
17	A	5009	LHG	O2-C2-C3-O3
17	A	5003	LHG	O2-C2-C3-O3
17	B	1842	LHG	O2-C2-C3-O3
17	L	5220	LHG	O2-C2-C3-O3
17	G	5009	LHG	O2-C2-C3-O3
17	G	5003	LHG	O2-C2-C3-O3
17	H	1842	LHG	O2-C2-C3-O3
17	S	5001	LHG	O2-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
17	V	5220	LHG	O2-C2-C3-O3
17	e	5009	LHG	O2-C2-C3-O3
17	e	5003	LHG	O2-C2-C3-O3
17	f	1842	LHG	O2-C2-C3-O3
17	n	5220	LHG	O2-C2-C3-O3
13	b	509	CLA	C3-C5-C6-C7
13	A	1013	CLA	C15-C16-C17-C18
13	A	1122	CLA	C8-C10-C11-C12
13	1	501	CLA	C15-C16-C17-C18
13	1	502	CLA	C8-C10-C11-C12
13	1	509	CLA	C8-C10-C11-C12
13	G	1013	CLA	C15-C16-C17-C18
13	G	1122	CLA	C8-C10-C11-C12
13	Y	501	CLA	C15-C16-C17-C18
13	Y	502	CLA	C8-C10-C11-C12
13	Y	509	CLA	C8-C10-C11-C12
13	e	1013	CLA	C15-C16-C17-C18
13	e	1122	CLA	C8-C10-C11-C12
13	e	1136	CLA	C8-C10-C11-C12
13	f	1203	CLA	C5-C6-C7-C8
13	f	1208	CLA	C10-C11-C12-C13
13	q	501	CLA	C15-C16-C17-C18
13	q	502	CLA	C8-C10-C11-C12
13	q	509	CLA	C8-C10-C11-C12
13	6	517	CLA	O1D-CGD-O2D-CED
13	b	505	CLA	O1D-CGD-O2D-CED
13	d	517	CLA	O1D-CGD-O2D-CED
13	v	517	CLA	O1D-CGD-O2D-CED
13	J	1302	CLA	O1A-CGA-O2A-C1
13	J	1303	CLA	O1A-CGA-O2A-C1
13	1	502	CLA	O1A-CGA-O2A-C1
13	T	1302	CLA	O1A-CGA-O2A-C1
13	T	1303	CLA	O1A-CGA-O2A-C1
13	Y	502	CLA	O1A-CGA-O2A-C1
13	e	1237	CLA	O1A-CGA-O2A-C1
13	l	1302	CLA	O1A-CGA-O2A-C1
13	l	1303	CLA	O1A-CGA-O2A-C1
13	q	502	CLA	O1A-CGA-O2A-C1
18	2	901	LMU	O1'-C1-C2-C3
18	Z	901	LMU	O1'-C1-C2-C3
13	B	1221	CLA	C8-C10-C11-C12
13	B	1225	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
13	F	1301	CLA	C13-C15-C16-C17
13	6	501	CLA	C8-C10-C11-C12
13	H	1221	CLA	C8-C10-C11-C12
13	H	1225	CLA	C13-C15-C16-C17
13	R	1301	CLA	C13-C15-C16-C17
13	d	501	CLA	C8-C10-C11-C12
13	f	1225	CLA	C13-C15-C16-C17
13	j	1301	CLA	C13-C15-C16-C17
13	v	501	CLA	C8-C10-C11-C12
18	r	901	LMU	O1'-C1-C2-C3
13	A	1011	CLA	O1D-CGD-O2D-CED
13	B	1226	CLA	O1D-CGD-O2D-CED
13	4	505	CLA	O1D-CGD-O2D-CED
13	H	1226	CLA	O1D-CGD-O2D-CED
13	f	1226	CLA	O1D-CGD-O2D-CED
13	t	505	CLA	O1D-CGD-O2D-CED
13	A	1104	CLA	O1A-CGA-O2A-C1
13	A	1237	CLA	O1A-CGA-O2A-C1
13	G	1104	CLA	O1A-CGA-O2A-C1
13	G	1237	CLA	O1A-CGA-O2A-C1
13	e	1104	CLA	O1A-CGA-O2A-C1
17	B	1855	LHG	C8-C7-O7-C5
17	H	1855	LHG	C8-C7-O7-C5
17	f	1855	LHG	C8-C7-O7-C5
17	G	5002	LHG	C28-C29-C30-C31
13	G	1011	CLA	O1D-CGD-O2D-CED
13	e	1011	CLA	O1D-CGD-O2D-CED
13	A	1102	CLA	C15-C16-C17-C18
13	A	1109	CLA	C13-C15-C16-C17
13	A	1126	CLA	C5-C6-C7-C8
13	A	1133	CLA	C10-C11-C12-C13
13	A	1137	CLA	C13-C15-C16-C17
13	A	1139	CLA	C15-C16-C17-C18
13	B	1234	CLA	C10-C11-C12-C13
13	B	1235	CLA	C8-C10-C11-C12
13	2	507	CLA	C5-C6-C7-C8
13	3	505	CLA	C5-C6-C7-C8
13	G	1102	CLA	C15-C16-C17-C18
13	G	1109	CLA	C13-C15-C16-C17
13	G	1126	CLA	C5-C6-C7-C8
13	G	1133	CLA	C10-C11-C12-C13
13	G	1137	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
13	G	1139	CLA	C15-C16-C17-C18
13	H	1234	CLA	C10-C11-C12-C13
13	H	1235	CLA	C8-C10-C11-C12
13	Z	507	CLA	C5-C6-C7-C8
13	a	505	CLA	C5-C6-C7-C8
13	e	1102	CLA	C15-C16-C17-C18
13	e	1109	CLA	C13-C15-C16-C17
13	e	1126	CLA	C5-C6-C7-C8
13	e	1133	CLA	C10-C11-C12-C13
13	e	1137	CLA	C13-C15-C16-C17
13	e	1139	CLA	C15-C16-C17-C18
13	f	1221	CLA	C8-C10-C11-C12
13	f	1234	CLA	C10-C11-C12-C13
13	f	1235	CLA	C8-C10-C11-C12
13	r	507	CLA	C5-C6-C7-C8
13	s	505	CLA	C5-C6-C7-C8
17	A	5002	LHG	C3-O3-P-O6
17	A	5002	LHG	C4-O6-P-O3
17	A	5005	LHG	C3-O3-P-O6
17	A	5009	LHG	C4-O6-P-O3
17	B	1842	LHG	C3-O3-P-O6
17	B	1855	LHG	C3-O3-P-O6
17	B	1855	LHG	C4-O6-P-O3
17	I	5001	LHG	C4-O6-P-O3
17	L	5218	LHG	C3-O3-P-O6
17	L	5221	LHG	C3-O3-P-O6
17	G	5002	LHG	C3-O3-P-O6
17	G	5002	LHG	C4-O6-P-O3
17	G	5005	LHG	C3-O3-P-O6
17	G	5009	LHG	C4-O6-P-O3
17	H	1842	LHG	C3-O3-P-O6
17	H	1855	LHG	C3-O3-P-O6
17	H	1855	LHG	C4-O6-P-O3
17	S	5001	LHG	C4-O6-P-O3
17	V	5218	LHG	C3-O3-P-O6
17	V	5221	LHG	C3-O3-P-O6
17	e	5002	LHG	C3-O3-P-O6
17	e	5002	LHG	C4-O6-P-O3
17	e	5005	LHG	C3-O3-P-O6
17	e	5009	LHG	C4-O6-P-O3
17	f	1842	LHG	C3-O3-P-O6
17	f	1855	LHG	C3-O3-P-O6

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Mol	Chain	Res	Type	Atoms
17	f	1855	LHG	C4-O6-P-O3
17	k	5001	LHG	C4-O6-P-O3
17	n	5218	LHG	C3-O3-P-O6
17	n	5221	LHG	C3-O3-P-O6
13	A	1011	CLA	C3-C5-C6-C7
13	A	1128	CLA	C3-C5-C6-C7
13	G	1011	CLA	C3-C5-C6-C7
13	G	1128	CLA	C3-C5-C6-C7
13	e	1128	CLA	C3-C5-C6-C7
17	A	5002	LHG	C28-C29-C30-C31
17	e	5002	LHG	C28-C29-C30-C31
13	A	1134	CLA	CBA-CGA-O2A-C1
13	B	1215	CLA	CBA-CGA-O2A-C1
13	G	1134	CLA	CBA-CGA-O2A-C1
13	H	1215	CLA	CBA-CGA-O2A-C1
13	e	1134	CLA	CBA-CGA-O2A-C1
13	f	1215	CLA	CBA-CGA-O2A-C1
13	B	1208	CLA	C15-C16-C17-C18
13	B	1214	CLA	C10-C11-C12-C13
13	H	1208	CLA	C15-C16-C17-C18
13	H	1214	CLA	C10-C11-C12-C13
13	c	509	CLA	C15-C16-C17-C18
13	f	1208	CLA	C15-C16-C17-C18
13	f	1214	CLA	C10-C11-C12-C13
13	1	502	CLA	O1D-CGD-O2D-CED
13	2	519	CLA	O1D-CGD-O2D-CED
13	4	513	CLA	O1D-CGD-O2D-CED
13	Y	502	CLA	O1D-CGD-O2D-CED
13	Z	519	CLA	O1D-CGD-O2D-CED
13	b	513	CLA	O1D-CGD-O2D-CED
13	q	502	CLA	O1D-CGD-O2D-CED
13	r	519	CLA	O1D-CGD-O2D-CED
13	t	513	CLA	O1D-CGD-O2D-CED
17	A	5009	LHG	C1-C2-C3-O3
17	A	5003	LHG	C1-C2-C3-O3
17	B	1842	LHG	C1-C2-C3-O3
17	L	5220	LHG	C1-C2-C3-O3
17	G	5009	LHG	C1-C2-C3-O3
17	G	5003	LHG	C1-C2-C3-O3
17	H	1842	LHG	C1-C2-C3-O3
17	V	5220	LHG	C1-C2-C3-O3
17	e	5009	LHG	C1-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
17	e	5003	LHG	C1-C2-C3-O3
17	f	1842	LHG	C1-C2-C3-O3
17	n	5220	LHG	C1-C2-C3-O3
18	A	1848	LMU	O5'-C5'-C6'-O6'
18	G	1848	LMU	O5'-C5'-C6'-O6'
18	e	1848	LMU	O5'-C5'-C6'-O6'
17	A	5001	LHG	O9-C7-O7-C5
17	G	5001	LHG	O9-C7-O7-C5
17	e	5001	LHG	O9-C7-O7-C5
13	1	507	CLA	C10-C11-C12-C13
13	2	518	CLA	C10-C11-C12-C13
13	5	509	CLA	C15-C16-C17-C18
13	Y	507	CLA	C10-C11-C12-C13
13	Z	518	CLA	C10-C11-C12-C13
13	q	507	CLA	C10-C11-C12-C13
13	r	518	CLA	C10-C11-C12-C13
13	u	509	CLA	C15-C16-C17-C18
14	B	2002	PQN	C15-C16-C17-C18
14	H	2002	PQN	C15-C16-C17-C18
14	f	2002	PQN	C15-C16-C17-C18
13	q	504	CLA	CBD-CGD-O2D-CED
13	5	512	CLA	O1D-CGD-O2D-CED
13	u	512	CLA	O1D-CGD-O2D-CED
13	B	1239	CLA	C2C-C3C-CAC-CBC
13	H	1239	CLA	C2C-C3C-CAC-CBC
13	f	1239	CLA	C2C-C3C-CAC-CBC
13	A	1116	CLA	C2A-CAA-CBA-CGA
13	A	1125	CLA	C2A-CAA-CBA-CGA
13	A	1022	CLA	C2A-CAA-CBA-CGA
13	B	1203	CLA	C2A-CAA-CBA-CGA
13	K	1103	CLA	C2A-CAA-CBA-CGA
13	1	518	CLA	C2A-CAA-CBA-CGA
13	5	518	CLA	C2A-CAA-CBA-CGA
13	G	1116	CLA	C2A-CAA-CBA-CGA
13	G	1125	CLA	C2A-CAA-CBA-CGA
13	G	1022	CLA	C2A-CAA-CBA-CGA
13	H	1203	CLA	C2A-CAA-CBA-CGA
13	U	1103	CLA	C2A-CAA-CBA-CGA
13	Y	518	CLA	C2A-CAA-CBA-CGA
13	c	518	CLA	C2A-CAA-CBA-CGA
13	e	1116	CLA	C2A-CAA-CBA-CGA
13	e	1125	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	e	1022	CLA	C2A-CAA-CBA-CGA
13	f	1203	CLA	C2A-CAA-CBA-CGA
13	m	1103	CLA	C2A-CAA-CBA-CGA
13	q	518	CLA	C2A-CAA-CBA-CGA
13	u	518	CLA	C2A-CAA-CBA-CGA
13	v	516	CLA	C2A-CAA-CBA-CGA
13	A	1126	CLA	C16-C17-C18-C20
13	G	1126	CLA	C16-C17-C18-C20
13	e	1126	CLA	C16-C17-C18-C20
13	F	1301	CLA	C3-C5-C6-C7
13	R	1301	CLA	C3-C5-C6-C7
13	e	1011	CLA	C3-C5-C6-C7
13	j	1301	CLA	C3-C5-C6-C7
13	c	512	CLA	O1D-CGD-O2D-CED
13	A	1137	CLA	CBA-CGA-O2A-C1
13	G	1137	CLA	CBA-CGA-O2A-C1
13	e	1137	CLA	CBA-CGA-O2A-C1
17	A	5005	LHG	C24-C23-O8-C6
17	G	5005	LHG	C24-C23-O8-C6
17	e	5005	LHG	C24-C23-O8-C6
13	l	504	CLA	CBD-CGD-O2D-CED
16	4	522	BCR	C9-C10-C11-C12
16	4	522	BCR	C13-C14-C15-C16
16	b	522	BCR	C9-C10-C11-C12
16	b	522	BCR	C13-C14-C15-C16
16	t	522	BCR	C9-C10-C11-C12
16	t	522	BCR	C13-C14-C15-C16
17	A	5002	LHG	C30-C31-C32-C33
17	e	5002	LHG	C30-C31-C32-C33
20	3	822	SQD	C25-C26-C27-C28
20	a	822	SQD	C25-C26-C27-C28
20	s	822	SQD	C25-C26-C27-C28
13	H	1232	CLA	O1D-CGD-O2D-CED
13	Y	504	CLA	CBD-CGD-O2D-CED
17	A	5009	LHG	C8-C7-O7-C5
17	G	5009	LHG	C8-C7-O7-C5
17	e	5009	LHG	C8-C7-O7-C5
13	5	509	CLA	C13-C15-C16-C17
13	c	509	CLA	C13-C15-C16-C17
13	u	509	CLA	C13-C15-C16-C17
13	3	509	CLA	C3-C5-C6-C7
13	a	509	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	s	509	CLA	C3-C5-C6-C7
17	A	5002	LHG	C24-C25-C26-C27
17	A	5005	LHG	C10-C11-C12-C13
17	A	5005	LHG	C14-C15-C16-C17
17	A	5007	LHG	C32-C33-C34-C35
17	A	5009	LHG	C16-C17-C18-C19
17	A	5001	LHG	C15-C16-C17-C18
17	A	5001	LHG	C25-C26-C27-C28
17	A	5003	LHG	C10-C11-C12-C13
17	G	5002	LHG	C24-C25-C26-C27
17	G	5002	LHG	C30-C31-C32-C33
17	G	5005	LHG	C14-C15-C16-C17
17	G	5007	LHG	C32-C33-C34-C35
17	G	5009	LHG	C16-C17-C18-C19
17	G	5001	LHG	C15-C16-C17-C18
17	G	5001	LHG	C25-C26-C27-C28
17	G	5003	LHG	C10-C11-C12-C13
17	V	5221	LHG	C29-C30-C31-C32
17	e	5002	LHG	C24-C25-C26-C27
17	e	5005	LHG	C10-C11-C12-C13
17	e	5005	LHG	C14-C15-C16-C17
17	e	5007	LHG	C32-C33-C34-C35
17	e	5009	LHG	C16-C17-C18-C19
17	e	5001	LHG	C15-C16-C17-C18
17	e	5001	LHG	C25-C26-C27-C28
17	e	5003	LHG	C10-C11-C12-C13
19	B	5002	LMG	C29-C30-C31-C32
19	H	5002	LMG	C29-C30-C31-C32
19	f	5002	LMG	C29-C30-C31-C32
20	B	1852	SQD	C28-C29-C30-C31
20	H	1852	SQD	C28-C29-C30-C31
13	B	1227	CLA	O1D-CGD-O2D-CED
13	B	1232	CLA	O1D-CGD-O2D-CED
13	H	1227	CLA	O1D-CGD-O2D-CED
13	f	1227	CLA	O1D-CGD-O2D-CED
13	f	1232	CLA	O1D-CGD-O2D-CED
13	A	1105	CLA	C6-C7-C8-C9
13	B	1218	CLA	C11-C12-C13-C15
13	B	1239	CLA	C16-C17-C18-C20
13	B	1207	CLA	C16-C17-C18-C19
13	G	1105	CLA	C6-C7-C8-C9
13	H	1218	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
13	H	1239	CLA	C16-C17-C18-C20
13	Z	508	CLA	C6-C7-C8-C10
13	f	1218	CLA	C11-C12-C13-C15
13	f	1239	CLA	C16-C17-C18-C20
13	f	1207	CLA	C16-C17-C18-C19
17	B	1855	LHG	C12-C13-C14-C15
17	L	5221	LHG	C29-C30-C31-C32
17	G	5005	LHG	C10-C11-C12-C13
17	H	1855	LHG	C12-C13-C14-C15
17	f	1855	LHG	C12-C13-C14-C15
17	n	5221	LHG	C29-C30-C31-C32
20	f	1852	SQD	C28-C29-C30-C31
20	5	822	SQD	C46-C45-O47-C7
20	6	822	SQD	C46-C45-O47-C7
20	c	822	SQD	C46-C45-O47-C7
20	d	822	SQD	C46-C45-O47-C7
20	u	822	SQD	C46-C45-O47-C7
20	v	822	SQD	C46-C45-O47-C7
13	3	511	CLA	O1D-CGD-O2D-CED
13	a	511	CLA	O1D-CGD-O2D-CED
13	s	511	CLA	O1D-CGD-O2D-CED
13	B	1218	CLA	C8-C10-C11-C12
13	f	1218	CLA	C8-C10-C11-C12
13	A	1122	CLA	CBD-CGD-O2D-CED
13	G	1122	CLA	CBD-CGD-O2D-CED
13	e	1122	CLA	CBD-CGD-O2D-CED
17	L	5218	LHG	C28-C29-C30-C31
17	V	5218	LHG	C28-C29-C30-C31
17	n	5218	LHG	C28-C29-C30-C31
17	n	5220	LHG	C27-C28-C29-C30
19	J	5104	LMG	C11-C12-C13-C14
19	T	5104	LMG	C11-C12-C13-C14
19	l	5104	LMG	C11-C12-C13-C14
20	B	1852	SQD	C11-C10-C9-C8
20	H	1852	SQD	C11-C10-C9-C8
20	f	1852	SQD	C11-C10-C9-C8
17	L	5221	LHG	C5-C4-O6-P
17	V	5221	LHG	C5-C4-O6-P
17	n	5221	LHG	C5-C4-O6-P
17	L	5220	LHG	C27-C28-C29-C30
17	V	5220	LHG	C27-C28-C29-C30
13	H	1235	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	H	1218	CLA	C8-C10-C11-C12
17	I	5001	LHG	O2-C2-C3-O3
17	k	5001	LHG	O2-C2-C3-O3
18	A	1849	LMU	C4-C5-C6-C7
18	G	1849	LMU	C4-C5-C6-C7
18	e	1849	LMU	C4-C5-C6-C7
13	B	1231	CLA	O1D-CGD-O2D-CED
13	6	510	CLA	O1D-CGD-O2D-CED
13	H	1231	CLA	O1D-CGD-O2D-CED
13	d	510	CLA	O1D-CGD-O2D-CED
13	f	1231	CLA	O1D-CGD-O2D-CED
13	v	510	CLA	O1D-CGD-O2D-CED
20	B	1852	SQD	C2-C1-O6-C44
20	H	1852	SQD	C2-C1-O6-C44
20	f	1852	SQD	C2-C1-O6-C44
17	A	5002	LHG	C32-C33-C34-C35
17	B	1855	LHG	C11-C12-C13-C14
17	G	5002	LHG	C32-C33-C34-C35
17	H	1855	LHG	C11-C12-C13-C14
17	e	5002	LHG	C32-C33-C34-C35
17	f	1855	LHG	C11-C12-C13-C14
18	B	1843	LMU	C5-C6-C7-C8
18	2	901	LMU	C2-C3-C4-C5
18	H	1843	LMU	C5-C6-C7-C8
18	Z	901	LMU	C2-C3-C4-C5
18	f	1843	LMU	C5-C6-C7-C8
18	r	901	LMU	C2-C3-C4-C5
19	B	5002	LMG	C22-C23-C24-C25
19	H	5002	LMG	C22-C23-C24-C25
19	f	5002	LMG	C22-C23-C24-C25
20	L	5216	SQD	C12-C13-C14-C15
20	V	5216	SQD	C12-C13-C14-C15
20	n	5216	SQD	C12-C13-C14-C15
13	A	1103	CLA	C10-C11-C12-C13
13	A	1103	CLA	C15-C16-C17-C18
13	G	1103	CLA	C10-C11-C12-C13
13	G	1103	CLA	C15-C16-C17-C18
13	e	1103	CLA	C10-C11-C12-C13
13	e	1103	CLA	C15-C16-C17-C18
13	A	1137	CLA	O1A-CGA-O2A-C1
13	G	1137	CLA	O1A-CGA-O2A-C1
13	e	1137	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	A	1116	CLA	C11-C12-C13-C15
13	A	1140	CLA	C16-C17-C18-C20
13	B	1222	CLA	C11-C12-C13-C15
13	2	508	CLA	C6-C7-C8-C10
13	G	1116	CLA	C11-C12-C13-C15
13	G	1140	CLA	C16-C17-C18-C20
13	H	1222	CLA	C11-C12-C13-C15
13	H	1207	CLA	C16-C17-C18-C19
13	e	1105	CLA	C6-C7-C8-C9
13	e	1116	CLA	C11-C12-C13-C15
13	e	1140	CLA	C16-C17-C18-C20
13	f	1222	CLA	C11-C12-C13-C15
13	r	508	CLA	C6-C7-C8-C10
14	B	2002	PQN	C26-C27-C28-C30
14	H	2002	PQN	C26-C27-C28-C30
14	f	2002	PQN	C26-C27-C28-C30
13	B	1235	CLA	O1D-CGD-O2D-CED
13	1	507	CLA	O1D-CGD-O2D-CED
13	1	519	CLA	O1D-CGD-O2D-CED
13	G	1138	CLA	O1D-CGD-O2D-CED
13	Y	507	CLA	O1D-CGD-O2D-CED
13	Y	519	CLA	O1D-CGD-O2D-CED
13	f	1235	CLA	O1D-CGD-O2D-CED
13	q	507	CLA	O1D-CGD-O2D-CED
13	q	519	CLA	O1D-CGD-O2D-CED
13	A	1117	CLA	C4-C3-C5-C6
13	B	1208	CLA	C4-C3-C5-C6
13	B	1229	CLA	C4-C3-C5-C6
13	G	1117	CLA	C4-C3-C5-C6
13	H	1208	CLA	C4-C3-C5-C6
13	H	1229	CLA	C4-C3-C5-C6
13	e	1117	CLA	C4-C3-C5-C6
13	f	1208	CLA	C4-C3-C5-C6
13	f	1229	CLA	C4-C3-C5-C6
17	A	5004	LHG	C24-C25-C26-C27
17	A	5003	LHG	C12-C13-C14-C15
17	B	1842	LHG	C27-C28-C29-C30
17	G	5004	LHG	C24-C25-C26-C27
17	G	5003	LHG	C12-C13-C14-C15
17	H	1842	LHG	C27-C28-C29-C30
17	e	5004	LHG	C24-C25-C26-C27
17	e	5003	LHG	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
17	f	1842	LHG	C27-C28-C29-C30
18	A	1848	LMU	C2-C3-C4-C5
18	G	1848	LMU	C2-C3-C4-C5
18	e	1848	LMU	C2-C3-C4-C5
20	2	822	SQD	C10-C11-C12-C13
20	Z	822	SQD	C10-C11-C12-C13
20	r	822	SQD	C10-C11-C12-C13
13	B	1229	CLA	C2-C3-C5-C6
13	H	1229	CLA	C2-C3-C5-C6
13	f	1229	CLA	C2-C3-C5-C6
13	A	1106	CLA	C6-C7-C8-C9
13	A	1111	CLA	C11-C12-C13-C14
13	A	1119	CLA	C6-C7-C8-C9
13	A	1122	CLA	C6-C7-C8-C9
13	A	1133	CLA	C11-C12-C13-C14
13	A	1237	CLA	C14-C13-C15-C16
13	B	1213	CLA	C6-C7-C8-C9
13	B	1216	CLA	C6-C7-C8-C9
13	B	1229	CLA	C6-C7-C8-C9
13	6	501	CLA	C6-C7-C8-C9
13	G	1106	CLA	C6-C7-C8-C9
13	G	1111	CLA	C11-C12-C13-C14
13	G	1119	CLA	C6-C7-C8-C9
13	G	1122	CLA	C6-C7-C8-C9
13	G	1133	CLA	C11-C12-C13-C14
13	G	1237	CLA	C14-C13-C15-C16
13	H	1213	CLA	C6-C7-C8-C9
13	H	1216	CLA	C6-C7-C8-C9
13	H	1229	CLA	C6-C7-C8-C9
13	d	501	CLA	C6-C7-C8-C9
13	e	1106	CLA	C6-C7-C8-C9
13	e	1111	CLA	C11-C12-C13-C14
13	e	1119	CLA	C6-C7-C8-C9
13	e	1122	CLA	C6-C7-C8-C9
13	e	1133	CLA	C11-C12-C13-C14
13	e	1237	CLA	C14-C13-C15-C16
13	f	1213	CLA	C6-C7-C8-C9
13	f	1216	CLA	C6-C7-C8-C9
13	f	1229	CLA	C6-C7-C8-C9
13	v	501	CLA	C6-C7-C8-C9
13	A	1138	CLA	O1D-CGD-O2D-CED
13	1	511	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	Y	511	CLA	O1D-CGD-O2D-CED
13	e	1138	CLA	O1D-CGD-O2D-CED
13	q	511	CLA	O1D-CGD-O2D-CED
19	J	5104	LMG	C28-C29-C30-C31
19	T	5104	LMG	C28-C29-C30-C31
19	l	5104	LMG	C28-C29-C30-C31
17	A	5007	LHG	C11-C10-C9-C8
17	B	1842	LHG	C32-C33-C34-C35
17	L	5220	LHG	C10-C11-C12-C13
17	G	5007	LHG	C11-C10-C9-C8
17	H	1842	LHG	C32-C33-C34-C35
17	V	5220	LHG	C10-C11-C12-C13
17	e	5007	LHG	C11-C10-C9-C8
17	f	1842	LHG	C32-C33-C34-C35
17	n	5220	LHG	C10-C11-C12-C13
19	B	5002	LMG	C32-C33-C34-C35
19	H	5002	LMG	C32-C33-C34-C35
19	f	5002	LMG	C32-C33-C34-C35
20	1	822	SQD	C11-C10-C9-C8
20	3	822	SQD	C27-C28-C29-C30
20	Y	822	SQD	C11-C10-C9-C8
20	a	822	SQD	C27-C28-C29-C30
20	q	822	SQD	C11-C10-C9-C8
20	s	822	SQD	C27-C28-C29-C30
13	B	1208	CLA	C8-C10-C11-C12
13	5	509	CLA	C10-C11-C12-C13
13	H	1208	CLA	C8-C10-C11-C12
13	c	509	CLA	C10-C11-C12-C13
13	f	1208	CLA	C8-C10-C11-C12
13	u	509	CLA	C10-C11-C12-C13
16	L	4019	BCR	C37-C22-C23-C24
16	V	4019	BCR	C37-C22-C23-C24
16	n	4019	BCR	C37-C22-C23-C24
17	A	5005	LHG	C24-C25-C26-C27
17	G	5005	LHG	C24-C25-C26-C27
17	e	5005	LHG	C24-C25-C26-C27
20	s	822	SQD	C9-C10-C11-C12
17	A	5002	LHG	O1-C1-C2-C3
17	A	5008	LHG	O1-C1-C2-C3
17	L	5221	LHG	O1-C1-C2-C3
17	G	5002	LHG	O1-C1-C2-C3
17	G	5008	LHG	O1-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
17	V	5221	LHG	O1-C1-C2-C3
17	e	5002	LHG	O1-C1-C2-C3
17	e	5008	LHG	O1-C1-C2-C3
17	n	5221	LHG	O1-C1-C2-C3
16	L	4019	BCR	C21-C22-C23-C24
16	3	523	BCR	C21-C22-C23-C24
16	4	523	BCR	C21-C22-C23-C24
16	6	523	BCR	C21-C22-C23-C24
16	V	4019	BCR	C21-C22-C23-C24
16	a	523	BCR	C21-C22-C23-C24
16	b	523	BCR	C21-C22-C23-C24
16	d	523	BCR	C21-C22-C23-C24
16	n	4019	BCR	C21-C22-C23-C24
16	s	523	BCR	C21-C22-C23-C24
16	t	523	BCR	C21-C22-C23-C24
16	v	523	BCR	C21-C22-C23-C24
13	B	1203	CLA	C3-C5-C6-C7
13	B	1218	CLA	C3-C5-C6-C7
13	H	1203	CLA	C3-C5-C6-C7
13	H	1218	CLA	C3-C5-C6-C7
13	f	1203	CLA	C3-C5-C6-C7
13	f	1218	CLA	C3-C5-C6-C7
13	4	509	CLA	C15-C16-C17-C18
13	b	509	CLA	C15-C16-C17-C18
13	t	509	CLA	C15-C16-C17-C18
17	A	5007	LHG	C28-C29-C30-C31
17	G	5007	LHG	C28-C29-C30-C31
17	e	5007	LHG	C28-C29-C30-C31
20	1	822	SQD	C12-C13-C14-C15
20	3	822	SQD	C9-C10-C11-C12
20	Y	822	SQD	C12-C13-C14-C15
20	a	822	SQD	C9-C10-C11-C12
20	q	822	SQD	C12-C13-C14-C15
13	B	1205	CLA	CBD-CGD-O2D-CED
13	H	1205	CLA	CBD-CGD-O2D-CED
13	f	1205	CLA	CBD-CGD-O2D-CED
17	A	5002	LHG	C23-C24-C25-C26
17	G	5002	LHG	C23-C24-C25-C26
17	e	5002	LHG	C23-C24-C25-C26
20	B	1852	SQD	C23-C24-C25-C26
20	H	1852	SQD	C23-C24-C25-C26
20	f	1852	SQD	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
17	A	5008	LHG	C10-C11-C12-C13
17	A	5001	LHG	C27-C28-C29-C30
17	I	5001	LHG	C10-C11-C12-C13
17	L	5220	LHG	C9-C10-C11-C12
17	L	5220	LHG	C13-C14-C15-C16
17	L	5221	LHG	C11-C12-C13-C14
17	L	5221	LHG	C17-C18-C19-C20
17	L	5221	LHG	C25-C26-C27-C28
17	G	5001	LHG	C27-C28-C29-C30
17	S	5001	LHG	C10-C11-C12-C13
17	V	5220	LHG	C9-C10-C11-C12
17	V	5220	LHG	C13-C14-C15-C16
17	V	5221	LHG	C11-C12-C13-C14
17	V	5221	LHG	C17-C18-C19-C20
17	V	5221	LHG	C25-C26-C27-C28
17	e	5001	LHG	C27-C28-C29-C30
17	k	5001	LHG	C10-C11-C12-C13
17	n	5220	LHG	C9-C10-C11-C12
17	n	5220	LHG	C13-C14-C15-C16
17	n	5221	LHG	C11-C12-C13-C14
17	n	5221	LHG	C17-C18-C19-C20
17	n	5221	LHG	C25-C26-C27-C28
18	B	1843	LMU	C4-C5-C6-C7
18	H	1843	LMU	C4-C5-C6-C7
18	f	1843	LMU	C4-C5-C6-C7
13	A	1101	CLA	C16-C17-C18-C19
13	B	1213	CLA	C16-C17-C18-C19
13	B	1213	CLA	C16-C17-C18-C20
13	B	1224	CLA	C11-C12-C13-C14
13	B	1224	CLA	C11-C12-C13-C15
13	B	1238	CLA	C16-C17-C18-C19
13	1	505	CLA	C16-C17-C18-C20
13	6	501	CLA	C11-C12-C13-C14
13	6	505	CLA	C16-C17-C18-C20
13	G	1101	CLA	C16-C17-C18-C19
13	H	1213	CLA	C16-C17-C18-C19
13	H	1213	CLA	C16-C17-C18-C20
13	H	1224	CLA	C11-C12-C13-C14
13	H	1224	CLA	C11-C12-C13-C15
13	H	1238	CLA	C16-C17-C18-C19
13	Y	505	CLA	C16-C17-C18-C20
13	d	501	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
13	d	505	CLA	C16-C17-C18-C20
13	e	1101	CLA	C16-C17-C18-C19
13	f	1213	CLA	C16-C17-C18-C19
13	f	1213	CLA	C16-C17-C18-C20
13	f	1224	CLA	C11-C12-C13-C14
13	f	1224	CLA	C11-C12-C13-C15
13	f	1238	CLA	C16-C17-C18-C19
13	q	505	CLA	C16-C17-C18-C20
13	v	501	CLA	C11-C12-C13-C14
13	v	505	CLA	C16-C17-C18-C20
14	A	2001	PQN	C26-C27-C28-C29
14	G	2001	PQN	C26-C27-C28-C29
14	e	2001	PQN	C26-C27-C28-C29
13	A	1127	CLA	C15-C16-C17-C18
13	G	1127	CLA	C15-C16-C17-C18
13	H	1206	CLA	O1D-CGD-O2D-CED
17	B	1855	LHG	C26-C27-C28-C29
17	I	5001	LHG	C29-C30-C31-C32
17	G	5008	LHG	C10-C11-C12-C13
17	H	1855	LHG	C26-C27-C28-C29
17	S	5001	LHG	C29-C30-C31-C32
17	e	5008	LHG	C10-C11-C12-C13
17	f	1855	LHG	C26-C27-C28-C29
17	k	5001	LHG	C29-C30-C31-C32
13	l	508	CLA	CBD-CGD-O2D-CED
13	Y	508	CLA	CBD-CGD-O2D-CED
13	q	508	CLA	CBD-CGD-O2D-CED
13	B	1206	CLA	O1D-CGD-O2D-CED
13	f	1206	CLA	O1D-CGD-O2D-CED
17	A	5005	LHG	C13-C14-C15-C16
17	A	5007	LHG	C25-C26-C27-C28
17	B	1842	LHG	C28-C29-C30-C31
17	L	5218	LHG	C11-C10-C9-C8
17	G	5007	LHG	C25-C26-C27-C28
17	H	1842	LHG	C28-C29-C30-C31
17	V	5218	LHG	C11-C10-C9-C8
17	V	5221	LHG	C32-C33-C34-C35
17	e	5005	LHG	C13-C14-C15-C16
17	e	5007	LHG	C25-C26-C27-C28
17	e	5007	LHG	C33-C34-C35-C36
17	f	1842	LHG	C28-C29-C30-C31
17	n	5218	LHG	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
20	2	822	SQD	C9-C10-C11-C12
20	Z	822	SQD	C9-C10-C11-C12
20	r	822	SQD	C9-C10-C11-C12
13	B	1229	CLA	C15-C16-C17-C18
13	H	1229	CLA	C15-C16-C17-C18
13	e	1127	CLA	C15-C16-C17-C18
13	f	1229	CLA	C15-C16-C17-C18
17	A	5007	LHG	C33-C34-C35-C36
17	L	5221	LHG	C32-C33-C34-C35
17	G	5005	LHG	C13-C14-C15-C16
17	G	5007	LHG	C33-C34-C35-C36
17	n	5221	LHG	C32-C33-C34-C35
20	1	822	SQD	C30-C31-C32-C33
20	Y	822	SQD	C30-C31-C32-C33
20	q	822	SQD	C30-C31-C32-C33
13	4	501	CLA	C3-C5-C6-C7
13	b	501	CLA	C3-C5-C6-C7
13	t	501	CLA	C3-C5-C6-C7
13	B	1232	CLA	CBA-CGA-O2A-C1
13	1	512	CLA	CBA-CGA-O2A-C1
13	H	1232	CLA	CBA-CGA-O2A-C1
13	Y	512	CLA	CBA-CGA-O2A-C1
13	f	1232	CLA	CBA-CGA-O2A-C1
13	q	512	CLA	CBA-CGA-O2A-C1
17	A	5001	LHG	C32-C33-C34-C35
17	I	5001	LHG	C26-C27-C28-C29
17	G	5001	LHG	C32-C33-C34-C35
17	S	5001	LHG	C26-C27-C28-C29
17	e	5001	LHG	C32-C33-C34-C35
17	k	5001	LHG	C26-C27-C28-C29
13	1	512	CLA	O1D-CGD-O2D-CED
13	U	1103	CLA	O1D-CGD-O2D-CED
13	Y	512	CLA	O1D-CGD-O2D-CED
13	q	512	CLA	O1D-CGD-O2D-CED
13	A	1103	CLA	C3A-C2A-CAA-CBA
13	A	1125	CLA	C3A-C2A-CAA-CBA
13	A	1134	CLA	C3A-C2A-CAA-CBA
13	A	1135	CLA	C3A-C2A-CAA-CBA
13	A	1140	CLA	C3A-C2A-CAA-CBA
13	A	1022	CLA	C3A-C2A-CAA-CBA
13	A	1101	CLA	C3A-C2A-CAA-CBA
13	B	1210	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	B	1219	CLA	C3A-C2A-CAA-CBA
13	B	1221	CLA	C3A-C2A-CAA-CBA
13	K	1105	CLA	C3A-C2A-CAA-CBA
13	2	516	CLA	C3A-C2A-CAA-CBA
13	2	519	CLA	C3A-C2A-CAA-CBA
13	3	513	CLA	C3A-C2A-CAA-CBA
13	4	516	CLA	C3A-C2A-CAA-CBA
13	5	516	CLA	C3A-C2A-CAA-CBA
13	6	512	CLA	C3A-C2A-CAA-CBA
13	6	516	CLA	C3A-C2A-CAA-CBA
13	G	1103	CLA	C3A-C2A-CAA-CBA
13	G	1125	CLA	C3A-C2A-CAA-CBA
13	G	1134	CLA	C3A-C2A-CAA-CBA
13	G	1135	CLA	C3A-C2A-CAA-CBA
13	G	1140	CLA	C3A-C2A-CAA-CBA
13	G	1022	CLA	C3A-C2A-CAA-CBA
13	G	1101	CLA	C3A-C2A-CAA-CBA
13	H	1210	CLA	C3A-C2A-CAA-CBA
13	H	1219	CLA	C3A-C2A-CAA-CBA
13	H	1221	CLA	C3A-C2A-CAA-CBA
13	U	1105	CLA	C3A-C2A-CAA-CBA
13	Z	516	CLA	C3A-C2A-CAA-CBA
13	Z	519	CLA	C3A-C2A-CAA-CBA
13	a	513	CLA	C3A-C2A-CAA-CBA
13	b	516	CLA	C3A-C2A-CAA-CBA
13	c	516	CLA	C3A-C2A-CAA-CBA
13	d	512	CLA	C3A-C2A-CAA-CBA
13	d	516	CLA	C3A-C2A-CAA-CBA
13	e	1103	CLA	C3A-C2A-CAA-CBA
13	e	1125	CLA	C3A-C2A-CAA-CBA
13	e	1134	CLA	C3A-C2A-CAA-CBA
13	e	1135	CLA	C3A-C2A-CAA-CBA
13	e	1140	CLA	C3A-C2A-CAA-CBA
13	e	1022	CLA	C3A-C2A-CAA-CBA
13	e	1101	CLA	C3A-C2A-CAA-CBA
13	f	1210	CLA	C3A-C2A-CAA-CBA
13	f	1219	CLA	C3A-C2A-CAA-CBA
13	f	1221	CLA	C3A-C2A-CAA-CBA
13	m	1105	CLA	C3A-C2A-CAA-CBA
13	r	516	CLA	C3A-C2A-CAA-CBA
13	r	519	CLA	C3A-C2A-CAA-CBA
13	s	513	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	t	516	CLA	C3A-C2A-CAA-CBA
13	u	516	CLA	C3A-C2A-CAA-CBA
13	v	512	CLA	C3A-C2A-CAA-CBA
13	v	516	CLA	C3A-C2A-CAA-CBA
13	A	1101	CLA	C15-C16-C17-C18
13	2	502	CLA	C8-C10-C11-C12
13	2	503	CLA	C8-C10-C11-C12
13	G	1101	CLA	C15-C16-C17-C18
13	Z	502	CLA	C8-C10-C11-C12
13	e	1101	CLA	C15-C16-C17-C18
13	r	502	CLA	C8-C10-C11-C12
13	r	503	CLA	C8-C10-C11-C12
18	B	1843	LMU	C2-C1-O1'-C1'
18	H	1843	LMU	C2-C1-O1'-C1'
18	f	1843	LMU	C2-C1-O1'-C1'
20	L	5216	SQD	C18-C19-C20-C21
20	V	5216	SQD	C18-C19-C20-C21
20	n	5216	SQD	C18-C19-C20-C21
13	K	1103	CLA	O1D-CGD-O2D-CED
13	l	518	CLA	O1D-CGD-O2D-CED
13	Y	518	CLA	O1D-CGD-O2D-CED
13	m	1103	CLA	O1D-CGD-O2D-CED
13	q	518	CLA	O1D-CGD-O2D-CED
13	A	1134	CLA	O1A-CGA-O2A-C1
13	G	1134	CLA	O1A-CGA-O2A-C1
13	e	1134	CLA	O1A-CGA-O2A-C1
13	A	1140	CLA	C16-C17-C18-C19
13	B	1210	CLA	C16-C17-C18-C19
13	B	1218	CLA	C11-C12-C13-C14
13	B	1207	CLA	C16-C17-C18-C20
13	6	505	CLA	C16-C17-C18-C19
13	G	1140	CLA	C16-C17-C18-C19
13	H	1210	CLA	C16-C17-C18-C19
13	H	1218	CLA	C11-C12-C13-C14
13	H	1207	CLA	C16-C17-C18-C20
13	d	505	CLA	C16-C17-C18-C19
13	e	1140	CLA	C16-C17-C18-C19
13	f	1210	CLA	C16-C17-C18-C19
13	f	1218	CLA	C11-C12-C13-C14
13	f	1207	CLA	C16-C17-C18-C20
13	v	505	CLA	C16-C17-C18-C19
17	A	5001	LHG	C29-C30-C31-C32

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Mol	Chain	Res	Type	Atoms
17	L	5221	LHG	C26-C27-C28-C29
17	L	5221	LHG	C28-C29-C30-C31
17	G	5001	LHG	C29-C30-C31-C32
17	V	5221	LHG	C26-C27-C28-C29
17	e	5001	LHG	C29-C30-C31-C32
17	n	5221	LHG	C26-C27-C28-C29
17	n	5221	LHG	C28-C29-C30-C31
20	Y	822	SQD	C27-C28-C29-C30
17	A	5002	LHG	C25-C26-C27-C28
17	A	5003	LHG	C11-C10-C9-C8
17	L	5221	LHG	C18-C19-C20-C21
17	G	5002	LHG	C25-C26-C27-C28
17	G	5003	LHG	C11-C10-C9-C8
17	V	5221	LHG	C18-C19-C20-C21
17	V	5221	LHG	C28-C29-C30-C31
17	e	5002	LHG	C25-C26-C27-C28
17	e	5003	LHG	C11-C10-C9-C8
17	n	5221	LHG	C18-C19-C20-C21
19	B	5002	LMG	C21-C22-C23-C24
19	H	5002	LMG	C21-C22-C23-C24
19	f	5002	LMG	C21-C22-C23-C24
20	l	822	SQD	C27-C28-C29-C30
20	q	822	SQD	C27-C28-C29-C30
13	2	512	CLA	C3-C5-C6-C7
13	Z	512	CLA	C3-C5-C6-C7
13	r	512	CLA	C3-C5-C6-C7
20	3	822	SQD	C7-C8-C9-C10
20	s	822	SQD	C7-C8-C9-C10
17	A	5004	LHG	C27-C28-C29-C30
17	e	5004	LHG	C27-C28-C29-C30
13	Z	503	CLA	C8-C10-C11-C12
13	A	1124	CLA	C4-C3-C5-C6
13	J	1302	CLA	C4-C3-C5-C6
13	G	1124	CLA	C4-C3-C5-C6
13	T	1302	CLA	C4-C3-C5-C6
13	e	1124	CLA	C4-C3-C5-C6
13	l	1302	CLA	C4-C3-C5-C6
14	B	2002	PQN	C14-C13-C15-C16
14	H	2002	PQN	C14-C13-C15-C16
14	f	2002	PQN	C14-C13-C15-C16
13	l	508	CLA	CBA-CGA-O2A-C1
13	Y	508	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	q	508	CLA	CBA-CGA-O2A-C1
13	A	1124	CLA	C2-C3-C5-C6
13	B	1227	CLA	C2-C3-C5-C6
13	J	1302	CLA	C2-C3-C5-C6
13	L	1503	CLA	C2-C3-C5-C6
13	4	519	CLA	C2-C3-C5-C6
13	G	1124	CLA	C2-C3-C5-C6
13	H	1227	CLA	C2-C3-C5-C6
13	T	1302	CLA	C2-C3-C5-C6
13	V	1503	CLA	C2-C3-C5-C6
13	b	519	CLA	C2-C3-C5-C6
13	e	1124	CLA	C2-C3-C5-C6
13	f	1227	CLA	C2-C3-C5-C6
13	l	1302	CLA	C2-C3-C5-C6
13	n	1503	CLA	C2-C3-C5-C6
13	t	519	CLA	C2-C3-C5-C6
17	A	5007	LHG	C8-C7-O7-C5
17	G	5007	LHG	C8-C7-O7-C5
17	e	5007	LHG	C8-C7-O7-C5
19	J	5104	LMG	C11-C10-O7-C8
19	T	5104	LMG	C11-C10-O7-C8
19	l	5104	LMG	C11-C10-O7-C8
17	A	5005	LHG	C9-C10-C11-C12
17	A	5009	LHG	C24-C25-C26-C27
17	G	5004	LHG	C27-C28-C29-C30
17	G	5005	LHG	C9-C10-C11-C12
17	G	5009	LHG	C24-C25-C26-C27
17	e	5005	LHG	C9-C10-C11-C12
17	e	5009	LHG	C24-C25-C26-C27
17	A	5002	LHG	O1-C1-C2-O2
17	A	5005	LHG	O1-C1-C2-O2
17	A	5008	LHG	O1-C1-C2-O2
17	A	5009	LHG	O1-C1-C2-O2
17	B	1842	LHG	O1-C1-C2-O2
17	B	1855	LHG	O1-C1-C2-O2
17	L	5218	LHG	O1-C1-C2-O2
17	L	5220	LHG	O1-C1-C2-O2
17	G	5002	LHG	O1-C1-C2-O2
17	G	5005	LHG	O1-C1-C2-O2
17	G	5008	LHG	O1-C1-C2-O2
17	G	5009	LHG	O1-C1-C2-O2
17	H	1842	LHG	O1-C1-C2-O2

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Mol	Chain	Res	Type	Atoms
17	H	1855	LHG	O1-C1-C2-O2
17	V	5218	LHG	O1-C1-C2-O2
17	V	5220	LHG	O1-C1-C2-O2
17	e	5002	LHG	O1-C1-C2-O2
17	e	5005	LHG	O1-C1-C2-O2
17	e	5008	LHG	O1-C1-C2-O2
17	e	5009	LHG	O1-C1-C2-O2
17	f	1842	LHG	O1-C1-C2-O2
17	f	1855	LHG	O1-C1-C2-O2
17	n	5218	LHG	O1-C1-C2-O2
17	n	5220	LHG	O1-C1-C2-O2
13	H	1235	CLA	C5-C6-C7-C8
20	a	822	SQD	C7-C8-C9-C10
13	A	1105	CLA	C6-C7-C8-C10
13	A	1115	CLA	C11-C12-C13-C15
13	B	1238	CLA	C16-C17-C18-C20
13	G	1105	CLA	C6-C7-C8-C10
13	H	1238	CLA	C16-C17-C18-C20
13	e	1105	CLA	C6-C7-C8-C10
13	e	1115	CLA	C11-C12-C13-C15
13	f	1238	CLA	C16-C17-C18-C20
13	2	516	CLA	O1D-CGD-O2D-CED
13	r	516	CLA	O1D-CGD-O2D-CED
13	A	1127	CLA	C8-C10-C11-C12
13	B	1210	CLA	C5-C6-C7-C8
13	B	1235	CLA	C5-C6-C7-C8
13	G	1127	CLA	C8-C10-C11-C12
13	H	1210	CLA	C5-C6-C7-C8
13	e	1127	CLA	C8-C10-C11-C12
13	f	1210	CLA	C5-C6-C7-C8
13	f	1235	CLA	C5-C6-C7-C8
14	f	2002	PQN	C25-C26-C27-C28
17	A	5008	LHG	C13-C14-C15-C16
17	G	5008	LHG	C13-C14-C15-C16
17	e	5008	LHG	C13-C14-C15-C16
20	B	1852	SQD	C11-C12-C13-C14
20	H	1852	SQD	C11-C12-C13-C14
20	f	1852	SQD	C11-C12-C13-C14
18	l	902	LMU	C1-C2-C3-C4
18	Y	902	LMU	C1-C2-C3-C4
18	q	902	LMU	C1-C2-C3-C4
17	A	5006	LHG	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
17	G	5006	LHG	C25-C26-C27-C28
17	A	5005	LHG	C23-C24-C25-C26
17	G	5005	LHG	C23-C24-C25-C26
17	e	5005	LHG	C23-C24-C25-C26
14	B	2002	PQN	C25-C26-C27-C28
14	H	2002	PQN	C25-C26-C27-C28
17	e	5006	LHG	C25-C26-C27-C28
19	B	5002	LMG	C16-C17-C18-C19
19	H	5002	LMG	C16-C17-C18-C19
19	f	5002	LMG	C16-C17-C18-C19
13	A	1118	CLA	C2-C1-O2A-CGA
13	J	1302	CLA	C2-C1-O2A-CGA
13	3	510	CLA	C2-C1-O2A-CGA
13	T	1302	CLA	C2-C1-O2A-CGA
13	a	510	CLA	C2-C1-O2A-CGA
13	e	1118	CLA	C2-C1-O2A-CGA
13	l	1302	CLA	C2-C1-O2A-CGA
13	s	510	CLA	C2-C1-O2A-CGA
17	A	5009	LHG	C9-C10-C11-C12
17	e	5009	LHG	C9-C10-C11-C12
18	l	902	LMU	C2-C3-C4-C5
18	Y	902	LMU	C2-C3-C4-C5
18	q	902	LMU	C2-C3-C4-C5
20	L	5216	SQD	C11-C12-C13-C14
20	V	5216	SQD	C11-C12-C13-C14
20	n	5216	SQD	C11-C12-C13-C14
20	6	822	SQD	C24-C23-O48-C46
20	d	822	SQD	C24-C23-O48-C46
20	v	822	SQD	C24-C23-O48-C46
13	B	1219	CLA	C5-C6-C7-C8
13	f	1219	CLA	C5-C6-C7-C8
13	B	1215	CLA	O1A-CGA-O2A-C1
13	H	1215	CLA	O1A-CGA-O2A-C1
13	f	1215	CLA	O1A-CGA-O2A-C1
20	L	5216	SQD	O10-C23-O48-C46
20	V	5216	SQD	O10-C23-O48-C46
20	n	5216	SQD	O10-C23-O48-C46
18	J	5105	LMU	C1-C2-C3-C4
18	T	5105	LMU	C1-C2-C3-C4
18	l	5105	LMU	C1-C2-C3-C4
17	G	5009	LHG	C9-C10-C11-C12
13	G	1115	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
16	A	4008	BCR	C23-C24-C25-C30
16	A	4011	BCR	C23-C24-C25-C26
16	A	4011	BCR	C23-C24-C25-C30
16	B	4004	BCR	C1-C6-C7-C8
16	B	4004	BCR	C5-C6-C7-C8
16	B	4004	BCR	C23-C24-C25-C26
16	B	4005	BCR	C23-C24-C25-C26
16	B	4017	BCR	C5-C6-C7-C8
16	J	4015	BCR	C23-C24-C25-C26
16	J	4012	BCR	C1-C6-C7-C8
16	J	4012	BCR	C23-C24-C25-C26
16	J	4012	BCR	C23-C24-C25-C30
16	L	4019	BCR	C23-C24-C25-C26
16	L	4019	BCR	C23-C24-C25-C30
16	L	4020	BCR	C23-C24-C25-C26
16	M	4021	BCR	C1-C6-C7-C8
16	1	521	BCR	C1-C6-C7-C8
16	1	521	BCR	C5-C6-C7-C8
16	1	521	BCR	C23-C24-C25-C26
16	1	521	BCR	C23-C24-C25-C30
16	1	523	BCR	C1-C6-C7-C8
16	1	523	BCR	C5-C6-C7-C8
16	1	523	BCR	C23-C24-C25-C26
16	1	523	BCR	C23-C24-C25-C30
16	2	521	BCR	C1-C6-C7-C8
16	2	521	BCR	C5-C6-C7-C8
16	2	522	BCR	C1-C6-C7-C8
16	2	523	BCR	C23-C24-C25-C26
16	2	523	BCR	C23-C24-C25-C30
16	2	524	BCR	C23-C24-C25-C26
16	2	524	BCR	C23-C24-C25-C30
16	3	521	BCR	C1-C6-C7-C8
16	3	521	BCR	C5-C6-C7-C8
16	3	521	BCR	C23-C24-C25-C26
16	3	523	BCR	C23-C24-C25-C26
16	3	523	BCR	C23-C24-C25-C30
16	4	521	BCR	C1-C6-C7-C8
16	4	521	BCR	C5-C6-C7-C8
16	4	521	BCR	C23-C24-C25-C26
16	4	521	BCR	C23-C24-C25-C30
16	4	522	BCR	C1-C6-C7-C8
16	4	522	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	4	523	BCR	C23-C24-C25-C26
16	4	523	BCR	C23-C24-C25-C30
16	4	524	BCR	C23-C24-C25-C26
16	4	524	BCR	C23-C24-C25-C30
16	5	522	BCR	C1-C6-C7-C8
16	5	523	BCR	C23-C24-C25-C26
16	5	523	BCR	C23-C24-C25-C30
16	5	524	BCR	C23-C24-C25-C26
16	5	524	BCR	C23-C24-C25-C30
16	6	521	BCR	C1-C6-C7-C8
16	6	521	BCR	C5-C6-C7-C8
16	6	522	BCR	C1-C6-C7-C8
16	6	523	BCR	C23-C24-C25-C26
16	6	523	BCR	C23-C24-C25-C30
16	G	4008	BCR	C23-C24-C25-C30
16	G	4011	BCR	C23-C24-C25-C26
16	G	4011	BCR	C23-C24-C25-C30
16	H	4004	BCR	C1-C6-C7-C8
16	H	4004	BCR	C5-C6-C7-C8
16	H	4004	BCR	C23-C24-C25-C26
16	H	4005	BCR	C23-C24-C25-C26
16	H	4017	BCR	C5-C6-C7-C8
16	T	4015	BCR	C23-C24-C25-C26
16	T	4012	BCR	C1-C6-C7-C8
16	T	4012	BCR	C23-C24-C25-C26
16	T	4012	BCR	C23-C24-C25-C30
16	V	4019	BCR	C23-C24-C25-C26
16	V	4019	BCR	C23-C24-C25-C30
16	V	4020	BCR	C23-C24-C25-C26
16	W	4021	BCR	C1-C6-C7-C8
16	Y	521	BCR	C1-C6-C7-C8
16	Y	521	BCR	C5-C6-C7-C8
16	Y	521	BCR	C23-C24-C25-C26
16	Y	521	BCR	C23-C24-C25-C30
16	Y	523	BCR	C1-C6-C7-C8
16	Y	523	BCR	C5-C6-C7-C8
16	Y	523	BCR	C23-C24-C25-C26
16	Y	523	BCR	C23-C24-C25-C30
16	Z	521	BCR	C1-C6-C7-C8
16	Z	521	BCR	C5-C6-C7-C8
16	Z	522	BCR	C1-C6-C7-C8
16	Z	523	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
16	Z	523	BCR	C23-C24-C25-C30
16	Z	524	BCR	C23-C24-C25-C26
16	Z	524	BCR	C23-C24-C25-C30
16	a	521	BCR	C1-C6-C7-C8
16	a	521	BCR	C5-C6-C7-C8
16	a	521	BCR	C23-C24-C25-C26
16	a	523	BCR	C23-C24-C25-C26
16	a	523	BCR	C23-C24-C25-C30
16	b	521	BCR	C1-C6-C7-C8
16	b	521	BCR	C5-C6-C7-C8
16	b	521	BCR	C23-C24-C25-C26
16	b	521	BCR	C23-C24-C25-C30
16	b	522	BCR	C1-C6-C7-C8
16	b	522	BCR	C5-C6-C7-C8
16	b	523	BCR	C23-C24-C25-C26
16	b	523	BCR	C23-C24-C25-C30
16	b	524	BCR	C23-C24-C25-C26
16	b	524	BCR	C23-C24-C25-C30
16	c	522	BCR	C1-C6-C7-C8
16	c	523	BCR	C23-C24-C25-C26
16	c	523	BCR	C23-C24-C25-C30
16	c	524	BCR	C23-C24-C25-C26
16	c	524	BCR	C23-C24-C25-C30
16	d	521	BCR	C1-C6-C7-C8
16	d	521	BCR	C5-C6-C7-C8
16	d	522	BCR	C1-C6-C7-C8
16	d	523	BCR	C23-C24-C25-C26
16	d	523	BCR	C23-C24-C25-C30
16	e	4008	BCR	C23-C24-C25-C30
16	e	4011	BCR	C23-C24-C25-C26
16	e	4011	BCR	C23-C24-C25-C30
16	f	4004	BCR	C1-C6-C7-C8
16	f	4004	BCR	C5-C6-C7-C8
16	f	4004	BCR	C23-C24-C25-C26
16	f	4005	BCR	C23-C24-C25-C26
16	f	4017	BCR	C5-C6-C7-C8
16	l	4015	BCR	C23-C24-C25-C26
16	l	4012	BCR	C1-C6-C7-C8
16	l	4012	BCR	C23-C24-C25-C26
16	l	4012	BCR	C23-C24-C25-C30
16	n	4019	BCR	C23-C24-C25-C26
16	n	4019	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
16	n	4020	BCR	C23-C24-C25-C26
16	o	4021	BCR	C1-C6-C7-C8
16	q	521	BCR	C1-C6-C7-C8
16	q	521	BCR	C5-C6-C7-C8
16	q	521	BCR	C23-C24-C25-C26
16	q	521	BCR	C23-C24-C25-C30
16	q	523	BCR	C1-C6-C7-C8
16	q	523	BCR	C5-C6-C7-C8
16	q	523	BCR	C23-C24-C25-C26
16	q	523	BCR	C23-C24-C25-C30
16	r	521	BCR	C1-C6-C7-C8
16	r	521	BCR	C5-C6-C7-C8
16	r	522	BCR	C1-C6-C7-C8
16	r	523	BCR	C23-C24-C25-C26
16	r	523	BCR	C23-C24-C25-C30
16	r	524	BCR	C23-C24-C25-C26
16	r	524	BCR	C23-C24-C25-C30
16	s	521	BCR	C1-C6-C7-C8
16	s	521	BCR	C5-C6-C7-C8
16	s	521	BCR	C23-C24-C25-C26
16	s	523	BCR	C23-C24-C25-C26
16	s	523	BCR	C23-C24-C25-C30
16	t	521	BCR	C1-C6-C7-C8
16	t	521	BCR	C5-C6-C7-C8
16	t	521	BCR	C23-C24-C25-C26
16	t	521	BCR	C23-C24-C25-C30
16	t	522	BCR	C1-C6-C7-C8
16	t	522	BCR	C5-C6-C7-C8
16	t	523	BCR	C23-C24-C25-C26
16	t	523	BCR	C23-C24-C25-C30
16	t	524	BCR	C23-C24-C25-C26
16	t	524	BCR	C23-C24-C25-C30
16	u	522	BCR	C1-C6-C7-C8
16	u	523	BCR	C23-C24-C25-C26
16	u	523	BCR	C23-C24-C25-C30
16	u	524	BCR	C23-C24-C25-C26
16	u	524	BCR	C23-C24-C25-C30
16	v	521	BCR	C1-C6-C7-C8
16	v	521	BCR	C5-C6-C7-C8
16	v	522	BCR	C1-C6-C7-C8
16	v	523	BCR	C23-C24-C25-C26
16	v	523	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
13	Z	516	CLA	O1D-CGD-O2D-CED
13	A	1132	CLA	CBA-CGA-O2A-C1
13	3	513	CLA	CBA-CGA-O2A-C1
13	6	502	CLA	CBA-CGA-O2A-C1
13	G	1132	CLA	CBA-CGA-O2A-C1
13	a	513	CLA	CBA-CGA-O2A-C1
13	d	502	CLA	CBA-CGA-O2A-C1
13	e	1132	CLA	CBA-CGA-O2A-C1
13	s	513	CLA	CBA-CGA-O2A-C1
13	v	502	CLA	CBA-CGA-O2A-C1
13	A	1117	CLA	C13-C15-C16-C17
13	A	1133	CLA	C13-C15-C16-C17
13	B	1221	CLA	C5-C6-C7-C8
13	1	501	CLA	C13-C15-C16-C17
13	1	508	CLA	C5-C6-C7-C8
13	2	501	CLA	C10-C11-C12-C13
13	2	513	CLA	C8-C10-C11-C12
13	G	1117	CLA	C13-C15-C16-C17
13	G	1133	CLA	C13-C15-C16-C17
13	H	1221	CLA	C5-C6-C7-C8
13	Y	501	CLA	C13-C15-C16-C17
13	Y	508	CLA	C5-C6-C7-C8
13	Z	501	CLA	C10-C11-C12-C13
13	Z	513	CLA	C8-C10-C11-C12
13	e	1117	CLA	C13-C15-C16-C17
13	e	1133	CLA	C13-C15-C16-C17
13	f	1221	CLA	C5-C6-C7-C8
13	q	501	CLA	C13-C15-C16-C17
13	q	508	CLA	C5-C6-C7-C8
13	r	501	CLA	C10-C11-C12-C13
13	r	513	CLA	C8-C10-C11-C12
19	J	5104	LMG	C31-C32-C33-C34
19	T	5104	LMG	C31-C32-C33-C34
13	B	1215	CLA	CBD-CGD-O2D-CED
13	f	1215	CLA	CBD-CGD-O2D-CED
13	A	1124	CLA	C11-C10-C8-C9
13	G	1124	CLA	C11-C10-C8-C9
13	e	1124	CLA	C11-C10-C8-C9
17	A	5006	LHG	C7-C8-C9-C10
17	G	5006	LHG	C7-C8-C9-C10
17	e	5006	LHG	C7-C8-C9-C10
19	B	5002	LMG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
19	H	5002	LMG	C28-C29-C30-C31
17	e	5009	LHG	C11-C12-C13-C14
19	l	5104	LMG	C31-C32-C33-C34
20	3	822	SQD	C10-C11-C12-C13
20	a	822	SQD	C10-C11-C12-C13
20	s	822	SQD	C10-C11-C12-C13
13	B	1218	CLA	C5-C6-C7-C8
13	1	518	CLA	C10-C11-C12-C13
13	H	1218	CLA	C5-C6-C7-C8
13	H	1219	CLA	C5-C6-C7-C8
13	Y	518	CLA	C10-C11-C12-C13
13	f	1218	CLA	C5-C6-C7-C8
13	q	518	CLA	C10-C11-C12-C13
17	A	5009	LHG	C11-C12-C13-C14
17	G	5009	LHG	C11-C12-C13-C14
20	L	5216	SQD	C15-C16-C17-C18
20	V	5216	SQD	C15-C16-C17-C18
20	n	5216	SQD	C15-C16-C17-C18
13	A	1132	CLA	C4-C3-C5-C6
13	A	1130	CLA	C4-C3-C5-C6
13	L	1501	CLA	C4-C3-C5-C6
13	4	519	CLA	C4-C3-C5-C6
13	G	1132	CLA	C4-C3-C5-C6
13	G	1137	CLA	C4-C3-C5-C6
13	G	1130	CLA	C4-C3-C5-C6
13	V	1501	CLA	C4-C3-C5-C6
13	b	519	CLA	C4-C3-C5-C6
13	e	1132	CLA	C4-C3-C5-C6
13	e	1137	CLA	C4-C3-C5-C6
13	e	1130	CLA	C4-C3-C5-C6
13	n	1501	CLA	C4-C3-C5-C6
13	t	519	CLA	C4-C3-C5-C6
13	5	502	CLA	O1D-CGD-O2D-CED
13	c	502	CLA	O1D-CGD-O2D-CED
13	A	1119	CLA	C6-C7-C8-C10
13	A	1133	CLA	C11-C12-C13-C15
13	A	1138	CLA	C11-C10-C8-C7
13	A	1237	CLA	C12-C13-C15-C16
13	B	1208	CLA	C2-C3-C5-C6
13	B	1213	CLA	C6-C7-C8-C10
13	B	1214	CLA	C12-C13-C15-C16
13	B	1217	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	B	1223	CLA	C12-C13-C15-C16
13	B	1229	CLA	C6-C7-C8-C10
13	B	1231	CLA	C2-C3-C5-C6
13	B	1239	CLA	C6-C7-C8-C10
13	2	501	CLA	C6-C7-C8-C10
13	2	518	CLA	C11-C10-C8-C7
13	5	501	CLA	C11-C12-C13-C15
13	6	501	CLA	C6-C7-C8-C10
13	G	1119	CLA	C6-C7-C8-C10
13	G	1133	CLA	C11-C12-C13-C15
13	G	1138	CLA	C11-C10-C8-C7
13	G	1237	CLA	C12-C13-C15-C16
13	H	1208	CLA	C2-C3-C5-C6
13	H	1213	CLA	C6-C7-C8-C10
13	H	1214	CLA	C12-C13-C15-C16
13	H	1217	CLA	C2-C3-C5-C6
13	H	1223	CLA	C12-C13-C15-C16
13	H	1229	CLA	C6-C7-C8-C10
13	H	1231	CLA	C2-C3-C5-C6
13	H	1239	CLA	C6-C7-C8-C10
13	Z	501	CLA	C6-C7-C8-C10
13	Z	518	CLA	C11-C10-C8-C7
13	c	501	CLA	C11-C12-C13-C15
13	d	501	CLA	C6-C7-C8-C10
13	e	1119	CLA	C6-C7-C8-C10
13	e	1133	CLA	C11-C12-C13-C15
13	e	1138	CLA	C11-C10-C8-C7
13	e	1237	CLA	C12-C13-C15-C16
13	f	1208	CLA	C2-C3-C5-C6
13	f	1213	CLA	C6-C7-C8-C10
13	f	1214	CLA	C12-C13-C15-C16
13	f	1217	CLA	C2-C3-C5-C6
13	f	1223	CLA	C12-C13-C15-C16
13	f	1229	CLA	C6-C7-C8-C10
13	f	1231	CLA	C2-C3-C5-C6
13	f	1239	CLA	C6-C7-C8-C10
13	r	501	CLA	C6-C7-C8-C10
13	r	518	CLA	C11-C10-C8-C7
13	u	501	CLA	C11-C12-C13-C15
13	v	501	CLA	C6-C7-C8-C10
13	A	1124	CLA	C3-C5-C6-C7
13	G	1124	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	e	1124	CLA	C3-C5-C6-C7
13	B	1232	CLA	O1A-CGA-O2A-C1
13	l	512	CLA	O1A-CGA-O2A-C1
13	H	1232	CLA	O1A-CGA-O2A-C1
13	Y	512	CLA	O1A-CGA-O2A-C1
13	f	1232	CLA	O1A-CGA-O2A-C1
13	q	512	CLA	O1A-CGA-O2A-C1
13	v	502	CLA	O1A-CGA-O2A-C1
17	L	5221	LHG	C31-C32-C33-C34
17	V	5221	LHG	C31-C32-C33-C34
17	n	5221	LHG	C31-C32-C33-C34
19	B	5002	LMG	C23-C24-C25-C26
19	H	5002	LMG	C23-C24-C25-C26
19	f	5002	LMG	C23-C24-C25-C26
13	A	1138	CLA	C8-C10-C11-C12
13	B	1216	CLA	C8-C10-C11-C12
13	G	1117	CLA	C8-C10-C11-C12
13	G	1138	CLA	C8-C10-C11-C12
13	H	1216	CLA	C8-C10-C11-C12
13	H	1207	CLA	C10-C11-C12-C13
13	e	1138	CLA	C8-C10-C11-C12
13	f	1216	CLA	C8-C10-C11-C12
16	B	4010	BCR	C9-C10-C11-C12
16	2	522	BCR	C9-C10-C11-C12
16	H	4010	BCR	C9-C10-C11-C12
16	Z	522	BCR	C9-C10-C11-C12
16	f	4010	BCR	C9-C10-C11-C12
16	r	522	BCR	C9-C10-C11-C12
13	H	1215	CLA	CBD-CGD-O2D-CED
13	u	502	CLA	O1D-CGD-O2D-CED
19	f	5002	LMG	C28-C29-C30-C31
13	A	1105	CLA	CBA-CGA-O2A-C1
13	A	1116	CLA	CBA-CGA-O2A-C1
13	B	1201	CLA	CBA-CGA-O2A-C1
13	L	1502	CLA	CBA-CGA-O2A-C1
13	3	507	CLA	CBA-CGA-O2A-C1
13	G	1105	CLA	CBA-CGA-O2A-C1
13	G	1116	CLA	CBA-CGA-O2A-C1
13	H	1201	CLA	CBA-CGA-O2A-C1
13	V	1502	CLA	CBA-CGA-O2A-C1
13	a	507	CLA	CBA-CGA-O2A-C1
13	e	1105	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	e	1116	CLA	CBA-CGA-O2A-C1
13	f	1201	CLA	CBA-CGA-O2A-C1
13	n	1502	CLA	CBA-CGA-O2A-C1
13	s	507	CLA	CBA-CGA-O2A-C1
17	A	5003	LHG	C24-C23-O8-C6
17	G	5003	LHG	C24-C23-O8-C6
17	e	5003	LHG	C24-C23-O8-C6
17	A	5009	LHG	C27-C28-C29-C30
17	G	5009	LHG	C27-C28-C29-C30
17	e	5009	LHG	C27-C28-C29-C30
13	A	1135	CLA	C2A-CAA-CBA-CGA
13	B	1023	CLA	C2A-CAA-CBA-CGA
13	1	501	CLA	C2A-CAA-CBA-CGA
13	3	501	CLA	C2A-CAA-CBA-CGA
13	4	501	CLA	C2A-CAA-CBA-CGA
13	6	518	CLA	C2A-CAA-CBA-CGA
13	G	1135	CLA	C2A-CAA-CBA-CGA
13	H	1023	CLA	C2A-CAA-CBA-CGA
13	Y	501	CLA	C2A-CAA-CBA-CGA
13	a	501	CLA	C2A-CAA-CBA-CGA
13	b	501	CLA	C2A-CAA-CBA-CGA
13	d	518	CLA	C2A-CAA-CBA-CGA
13	e	1135	CLA	C2A-CAA-CBA-CGA
13	f	1023	CLA	C2A-CAA-CBA-CGA
13	q	501	CLA	C2A-CAA-CBA-CGA
13	s	501	CLA	C2A-CAA-CBA-CGA
13	t	501	CLA	C2A-CAA-CBA-CGA
13	v	518	CLA	C2A-CAA-CBA-CGA
13	s	507	CLA	O1D-CGD-O2D-CED
13	A	1117	CLA	C8-C10-C11-C12
13	A	1136	CLA	C10-C11-C12-C13
13	A	1137	CLA	C8-C10-C11-C12
13	B	1202	CLA	C13-C15-C16-C17
13	B	1210	CLA	C13-C15-C16-C17
13	B	1207	CLA	C10-C11-C12-C13
13	G	1136	CLA	C10-C11-C12-C13
13	G	1137	CLA	C8-C10-C11-C12
13	H	1202	CLA	C13-C15-C16-C17
13	H	1210	CLA	C13-C15-C16-C17
13	e	1117	CLA	C8-C10-C11-C12
13	e	1136	CLA	C10-C11-C12-C13
13	e	1137	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
13	f	1202	CLA	C13-C15-C16-C17
13	f	1207	CLA	C10-C11-C12-C13
17	A	5005	LHG	C16-C17-C18-C19
17	G	5005	LHG	C16-C17-C18-C19
17	V	5220	LHG	C29-C30-C31-C32
17	V	5221	LHG	C14-C15-C16-C17
17	e	5005	LHG	C16-C17-C18-C19
17	n	5220	LHG	C29-C30-C31-C32
20	2	822	SQD	C16-C17-C18-C19
20	r	822	SQD	C16-C17-C18-C19
13	d	502	CLA	O1A-CGA-O2A-C1
13	3	507	CLA	O1D-CGD-O2D-CED
13	a	507	CLA	O1D-CGD-O2D-CED
17	L	5220	LHG	C29-C30-C31-C32
17	L	5221	LHG	C14-C15-C16-C17
17	n	5221	LHG	C14-C15-C16-C17
20	1	822	SQD	C10-C11-C12-C13
20	Y	822	SQD	C10-C11-C12-C13
20	Z	822	SQD	C16-C17-C18-C19
20	q	822	SQD	C10-C11-C12-C13
13	A	1124	CLA	C11-C10-C8-C7
13	G	1124	CLA	C11-C10-C8-C7
13	e	1124	CLA	C11-C10-C8-C7
13	f	1210	CLA	C13-C15-C16-C17
13	B	1239	CLA	C4C-C3C-CAC-CBC
19	B	5002	LMG	C37-C38-C39-C40
19	H	5002	LMG	C37-C38-C39-C40
19	f	5002	LMG	C37-C38-C39-C40
13	H	1239	CLA	C4C-C3C-CAC-CBC
13	f	1239	CLA	C4C-C3C-CAC-CBC
20	f	1852	SQD	C25-C26-C27-C28
13	6	502	CLA	O1A-CGA-O2A-C1
13	A	1103	CLA	C16-C17-C18-C20
13	A	1121	CLA	C6-C7-C8-C9
13	5	518	CLA	C6-C7-C8-C10
13	G	1103	CLA	C16-C17-C18-C20
13	G	1121	CLA	C6-C7-C8-C9
13	c	518	CLA	C6-C7-C8-C10
13	e	1103	CLA	C16-C17-C18-C20
13	e	1121	CLA	C6-C7-C8-C9
13	u	518	CLA	C6-C7-C8-C10
20	B	1852	SQD	O5-C1-O6-C44

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Mol	Chain	Res	Type	Atoms
20	H	1852	SQD	O5-C1-O6-C44
20	f	1852	SQD	O5-C1-O6-C44
13	A	1134	CLA	O1D-CGD-O2D-CED
13	B	1230	CLA	O1D-CGD-O2D-CED
13	G	1134	CLA	O1D-CGD-O2D-CED
13	H	1230	CLA	O1D-CGD-O2D-CED
13	e	1126	CLA	O1D-CGD-O2D-CED
13	e	1134	CLA	O1D-CGD-O2D-CED
13	f	1230	CLA	O1D-CGD-O2D-CED
17	A	5003	LHG	C9-C10-C11-C12
17	G	5003	LHG	C9-C10-C11-C12
17	e	5003	LHG	C9-C10-C11-C12
20	B	1852	SQD	C25-C26-C27-C28
20	H	1852	SQD	C25-C26-C27-C28
17	A	5005	LHG	C8-C7-O7-C5
17	A	5001	LHG	C8-C7-O7-C5
17	G	5005	LHG	C8-C7-O7-C5
17	G	5001	LHG	C8-C7-O7-C5
17	e	5005	LHG	C8-C7-O7-C5
17	e	5001	LHG	C8-C7-O7-C5
20	a	822	SQD	C26-C27-C28-C29
20	s	822	SQD	C26-C27-C28-C29
13	A	1125	CLA	C13-C15-C16-C17
13	2	509	CLA	C5-C6-C7-C8
13	G	1125	CLA	C13-C15-C16-C17
13	Z	509	CLA	C5-C6-C7-C8
13	e	1125	CLA	C13-C15-C16-C17
13	r	509	CLA	C5-C6-C7-C8
13	5	518	CLA	CBD-CGD-O2D-CED
13	c	518	CLA	CBD-CGD-O2D-CED
13	u	518	CLA	CBD-CGD-O2D-CED
17	A	5007	LHG	C30-C31-C32-C33
17	e	5007	LHG	C30-C31-C32-C33
20	3	822	SQD	C26-C27-C28-C29
17	A	5006	LHG	O9-C7-O7-C5
17	G	5006	LHG	O9-C7-O7-C5
17	e	5006	LHG	O9-C7-O7-C5
17	G	5007	LHG	C30-C31-C32-C33
17	H	1842	LHG	C29-C30-C31-C32
17	A	5001	LHG	O7-C5-C6-O8
17	I	5001	LHG	O7-C5-C6-O8
17	G	5001	LHG	O7-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
17	S	5001	LHG	O7-C5-C6-O8
17	e	5001	LHG	O7-C5-C6-O8
17	k	5001	LHG	O7-C5-C6-O8
19	B	5002	LMG	O7-C8-C9-O8
19	J	5104	LMG	O1-C7-C8-O7
19	H	5002	LMG	O7-C8-C9-O8
19	T	5104	LMG	O1-C7-C8-O7
19	f	5002	LMG	O7-C8-C9-O8
19	l	5104	LMG	O1-C7-C8-O7
20	1	822	SQD	O47-C45-C46-O48
20	Y	822	SQD	O47-C45-C46-O48
20	q	822	SQD	O47-C45-C46-O48
13	B	1220	CLA	CBA-CGA-O2A-C1
13	1	518	CLA	CBA-CGA-O2A-C1
13	Y	518	CLA	CBA-CGA-O2A-C1
13	f	1220	CLA	CBA-CGA-O2A-C1
17	B	1842	LHG	C29-C30-C31-C32
17	G	5009	LHG	C28-C29-C30-C31
17	f	1842	LHG	C29-C30-C31-C32
13	A	1126	CLA	O1D-CGD-O2D-CED
13	e	1128	CLA	O1D-CGD-O2D-CED
13	3	513	CLA	O1A-CGA-O2A-C1
13	s	513	CLA	O1A-CGA-O2A-C1
13	B	1239	CLA	C16-C17-C18-C19
13	H	1239	CLA	C16-C17-C18-C19
13	f	1239	CLA	C16-C17-C18-C19
17	A	5009	LHG	C28-C29-C30-C31
17	e	5009	LHG	C28-C29-C30-C31
13	B	1222	CLA	C5-C6-C7-C8
13	H	1222	CLA	C5-C6-C7-C8
13	f	1222	CLA	C5-C6-C7-C8
13	A	1137	CLA	C4-C3-C5-C6
13	B	1227	CLA	C4-C3-C5-C6
13	H	1227	CLA	C4-C3-C5-C6
13	f	1227	CLA	C4-C3-C5-C6
14	A	2001	PQN	C14-C13-C15-C16
14	G	2001	PQN	C14-C13-C15-C16
14	e	2001	PQN	C14-C13-C15-C16
13	A	1117	CLA	C2-C3-C5-C6
13	A	1132	CLA	C2-C3-C5-C6
13	G	1117	CLA	C2-C3-C5-C6
13	G	1132	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	e	1117	CLA	C2-C3-C5-C6
13	e	1132	CLA	C2-C3-C5-C6
13	A	1102	CLA	C14-C13-C15-C16
13	A	1103	CLA	C11-C10-C8-C9
13	A	1103	CLA	C14-C13-C15-C16
13	A	1127	CLA	C14-C13-C15-C16
13	A	1138	CLA	C11-C10-C8-C9
13	A	1101	CLA	C11-C10-C8-C9
13	B	1214	CLA	C14-C13-C15-C16
13	B	1221	CLA	C11-C10-C8-C9
13	B	1223	CLA	C14-C13-C15-C16
13	B	1231	CLA	C6-C7-C8-C9
13	B	1239	CLA	C6-C7-C8-C9
13	F	1301	CLA	C14-C13-C15-C16
13	L	1501	CLA	C6-C7-C8-C9
13	2	501	CLA	C6-C7-C8-C9
13	2	518	CLA	C11-C10-C8-C9
13	3	513	CLA	C6-C7-C8-C9
13	5	501	CLA	C6-C7-C8-C9
13	5	501	CLA	C11-C12-C13-C14
13	5	509	CLA	C11-C10-C8-C9
13	G	1102	CLA	C14-C13-C15-C16
13	G	1103	CLA	C11-C10-C8-C9
13	G	1103	CLA	C14-C13-C15-C16
13	G	1127	CLA	C14-C13-C15-C16
13	G	1138	CLA	C11-C10-C8-C9
13	G	1101	CLA	C11-C10-C8-C9
13	H	1214	CLA	C14-C13-C15-C16
13	H	1221	CLA	C11-C10-C8-C9
13	H	1223	CLA	C14-C13-C15-C16
13	H	1231	CLA	C6-C7-C8-C9
13	H	1239	CLA	C6-C7-C8-C9
13	R	1301	CLA	C14-C13-C15-C16
13	V	1501	CLA	C6-C7-C8-C9
13	Z	501	CLA	C6-C7-C8-C9
13	Z	518	CLA	C11-C10-C8-C9
13	a	513	CLA	C6-C7-C8-C9
13	c	501	CLA	C6-C7-C8-C9
13	c	501	CLA	C11-C12-C13-C14
13	c	509	CLA	C11-C10-C8-C9
13	e	1102	CLA	C14-C13-C15-C16
13	e	1103	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
13	e	1103	CLA	C14-C13-C15-C16
13	e	1127	CLA	C14-C13-C15-C16
13	e	1138	CLA	C11-C10-C8-C9
13	e	1101	CLA	C11-C10-C8-C9
13	f	1214	CLA	C14-C13-C15-C16
13	f	1221	CLA	C11-C10-C8-C9
13	f	1223	CLA	C14-C13-C15-C16
13	f	1231	CLA	C6-C7-C8-C9
13	f	1239	CLA	C6-C7-C8-C9
13	j	1301	CLA	C14-C13-C15-C16
13	n	1501	CLA	C6-C7-C8-C9
13	r	501	CLA	C6-C7-C8-C9
13	r	518	CLA	C11-C10-C8-C9
13	s	513	CLA	C6-C7-C8-C9
13	u	501	CLA	C6-C7-C8-C9
13	u	501	CLA	C11-C12-C13-C14
13	u	509	CLA	C11-C10-C8-C9
13	A	1128	CLA	O1D-CGD-O2D-CED
13	G	1126	CLA	O1D-CGD-O2D-CED
13	G	1128	CLA	O1D-CGD-O2D-CED
13	Z	508	CLA	CBD-CGD-O2D-CED
17	A	5001	LHG	C10-C11-C12-C13
17	G	5001	LHG	C10-C11-C12-C13
17	e	5001	LHG	C10-C11-C12-C13
13	B	1213	CLA	C3-C5-C6-C7
13	H	1213	CLA	C3-C5-C6-C7
13	f	1213	CLA	C3-C5-C6-C7
13	A	1118	CLA	C2A-CAA-CBA-CGA
13	A	1121	CLA	C2A-CAA-CBA-CGA
13	L	1501	CLA	C2A-CAA-CBA-CGA
13	1	512	CLA	C2A-CAA-CBA-CGA
13	5	501	CLA	C2A-CAA-CBA-CGA
13	5	503	CLA	C2A-CAA-CBA-CGA
13	5	517	CLA	C2A-CAA-CBA-CGA
13	G	1118	CLA	C2A-CAA-CBA-CGA
13	G	1121	CLA	C2A-CAA-CBA-CGA
13	V	1501	CLA	C2A-CAA-CBA-CGA
13	Y	512	CLA	C2A-CAA-CBA-CGA
13	c	501	CLA	C2A-CAA-CBA-CGA
13	c	503	CLA	C2A-CAA-CBA-CGA
13	c	517	CLA	C2A-CAA-CBA-CGA
13	e	1118	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	e	1121	CLA	C2A-CAA-CBA-CGA
13	n	1501	CLA	C2A-CAA-CBA-CGA
13	q	512	CLA	C2A-CAA-CBA-CGA
13	u	501	CLA	C2A-CAA-CBA-CGA
13	u	503	CLA	C2A-CAA-CBA-CGA
13	u	517	CLA	C2A-CAA-CBA-CGA
17	A	5005	LHG	C31-C32-C33-C34
17	G	5005	LHG	C31-C32-C33-C34
17	e	5005	LHG	C31-C32-C33-C34
13	H	1220	CLA	CBA-CGA-O2A-C1
13	q	518	CLA	CBA-CGA-O2A-C1
20	5	822	SQD	C24-C23-O48-C46
20	u	822	SQD	C24-C23-O48-C46
16	3	524	BCR	C37-C22-C23-C24
16	T	4015	BCR	C7-C8-C9-C34
16	a	524	BCR	C37-C22-C23-C24
16	s	524	BCR	C37-C22-C23-C24
13	A	1131	CLA	C13-C15-C16-C17
13	B	1203	CLA	C13-C15-C16-C17
13	G	1125	CLA	C8-C10-C11-C12
13	G	1131	CLA	C13-C15-C16-C17
13	H	1203	CLA	C13-C15-C16-C17
13	e	1131	CLA	C13-C15-C16-C17
13	f	1203	CLA	C13-C15-C16-C17
13	2	508	CLA	CBD-CGD-O2D-CED
17	A	5006	LHG	C24-C25-C26-C27
17	G	5006	LHG	C24-C25-C26-C27
17	e	5006	LHG	C24-C25-C26-C27
18	B	1843	LMU	C7-C8-C9-C10
18	H	1843	LMU	C7-C8-C9-C10
18	f	1843	LMU	C7-C8-C9-C10
16	A	4001	BCR	C21-C22-C23-C24
16	G	4001	BCR	C21-C22-C23-C24
16	e	4001	BCR	C21-C22-C23-C24
13	A	1132	CLA	O1A-CGA-O2A-C1
13	1	508	CLA	O1A-CGA-O2A-C1
13	G	1132	CLA	O1A-CGA-O2A-C1
13	Y	508	CLA	O1A-CGA-O2A-C1
13	a	513	CLA	O1A-CGA-O2A-C1
13	e	1132	CLA	O1A-CGA-O2A-C1
13	q	508	CLA	O1A-CGA-O2A-C1
13	A	1102	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	A	1106	CLA	C1A-C2A-CAA-CBA
13	A	1107	CLA	C1A-C2A-CAA-CBA
13	A	1113	CLA	C1A-C2A-CAA-CBA
13	A	1116	CLA	C1A-C2A-CAA-CBA
13	A	1118	CLA	C1A-C2A-CAA-CBA
13	A	1120	CLA	C1A-C2A-CAA-CBA
13	A	1122	CLA	C1A-C2A-CAA-CBA
13	A	1125	CLA	C1A-C2A-CAA-CBA
13	A	1128	CLA	C1A-C2A-CAA-CBA
13	A	1132	CLA	C1A-C2A-CAA-CBA
13	A	1135	CLA	C1A-C2A-CAA-CBA
13	A	1101	CLA	C1A-C2A-CAA-CBA
13	A	1130	CLA	C1A-C2A-CAA-CBA
13	B	1219	CLA	C1A-C2A-CAA-CBA
13	B	1225	CLA	C1A-C2A-CAA-CBA
13	B	1226	CLA	C1A-C2A-CAA-CBA
13	B	1227	CLA	C1A-C2A-CAA-CBA
13	B	1236	CLA	C1A-C2A-CAA-CBA
13	B	1239	CLA	C1A-C2A-CAA-CBA
13	K	1103	CLA	C1A-C2A-CAA-CBA
13	K	1105	CLA	C1A-C2A-CAA-CBA
13	L	1501	CLA	C1A-C2A-CAA-CBA
13	1	501	CLA	C1A-C2A-CAA-CBA
13	1	505	CLA	C1A-C2A-CAA-CBA
13	1	519	CLA	C1A-C2A-CAA-CBA
13	2	501	CLA	C1A-C2A-CAA-CBA
13	2	505	CLA	C1A-C2A-CAA-CBA
13	2	508	CLA	C1A-C2A-CAA-CBA
13	2	516	CLA	C1A-C2A-CAA-CBA
13	2	518	CLA	C1A-C2A-CAA-CBA
13	3	503	CLA	C1A-C2A-CAA-CBA
13	3	517	CLA	C1A-C2A-CAA-CBA
13	4	511	CLA	C1A-C2A-CAA-CBA
13	4	516	CLA	C1A-C2A-CAA-CBA
13	4	518	CLA	C1A-C2A-CAA-CBA
13	5	501	CLA	C1A-C2A-CAA-CBA
13	5	516	CLA	C1A-C2A-CAA-CBA
13	5	518	CLA	C1A-C2A-CAA-CBA
13	6	501	CLA	C1A-C2A-CAA-CBA
13	6	505	CLA	C1A-C2A-CAA-CBA
13	6	508	CLA	C1A-C2A-CAA-CBA
13	6	512	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	6	516	CLA	C1A-C2A-CAA-CBA
13	6	517	CLA	C1A-C2A-CAA-CBA
13	6	518	CLA	C1A-C2A-CAA-CBA
13	6	519	CLA	C1A-C2A-CAA-CBA
13	G	1102	CLA	C1A-C2A-CAA-CBA
13	G	1106	CLA	C1A-C2A-CAA-CBA
13	G	1107	CLA	C1A-C2A-CAA-CBA
13	G	1113	CLA	C1A-C2A-CAA-CBA
13	G	1116	CLA	C1A-C2A-CAA-CBA
13	G	1118	CLA	C1A-C2A-CAA-CBA
13	G	1120	CLA	C1A-C2A-CAA-CBA
13	G	1122	CLA	C1A-C2A-CAA-CBA
13	G	1125	CLA	C1A-C2A-CAA-CBA
13	G	1128	CLA	C1A-C2A-CAA-CBA
13	G	1132	CLA	C1A-C2A-CAA-CBA
13	G	1135	CLA	C1A-C2A-CAA-CBA
13	G	1101	CLA	C1A-C2A-CAA-CBA
13	G	1130	CLA	C1A-C2A-CAA-CBA
13	H	1219	CLA	C1A-C2A-CAA-CBA
13	H	1225	CLA	C1A-C2A-CAA-CBA
13	H	1226	CLA	C1A-C2A-CAA-CBA
13	H	1227	CLA	C1A-C2A-CAA-CBA
13	H	1236	CLA	C1A-C2A-CAA-CBA
13	H	1239	CLA	C1A-C2A-CAA-CBA
13	U	1103	CLA	C1A-C2A-CAA-CBA
13	U	1105	CLA	C1A-C2A-CAA-CBA
13	V	1501	CLA	C1A-C2A-CAA-CBA
13	Y	501	CLA	C1A-C2A-CAA-CBA
13	Y	505	CLA	C1A-C2A-CAA-CBA
13	Y	519	CLA	C1A-C2A-CAA-CBA
13	Z	501	CLA	C1A-C2A-CAA-CBA
13	Z	505	CLA	C1A-C2A-CAA-CBA
13	Z	508	CLA	C1A-C2A-CAA-CBA
13	Z	516	CLA	C1A-C2A-CAA-CBA
13	Z	518	CLA	C1A-C2A-CAA-CBA
13	a	503	CLA	C1A-C2A-CAA-CBA
13	a	517	CLA	C1A-C2A-CAA-CBA
13	b	511	CLA	C1A-C2A-CAA-CBA
13	b	516	CLA	C1A-C2A-CAA-CBA
13	b	518	CLA	C1A-C2A-CAA-CBA
13	c	501	CLA	C1A-C2A-CAA-CBA
13	c	516	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	c	518	CLA	C1A-C2A-CAA-CBA
13	d	501	CLA	C1A-C2A-CAA-CBA
13	d	505	CLA	C1A-C2A-CAA-CBA
13	d	508	CLA	C1A-C2A-CAA-CBA
13	d	512	CLA	C1A-C2A-CAA-CBA
13	d	516	CLA	C1A-C2A-CAA-CBA
13	d	517	CLA	C1A-C2A-CAA-CBA
13	d	518	CLA	C1A-C2A-CAA-CBA
13	d	519	CLA	C1A-C2A-CAA-CBA
13	e	1102	CLA	C1A-C2A-CAA-CBA
13	e	1106	CLA	C1A-C2A-CAA-CBA
13	e	1107	CLA	C1A-C2A-CAA-CBA
13	e	1113	CLA	C1A-C2A-CAA-CBA
13	e	1116	CLA	C1A-C2A-CAA-CBA
13	e	1118	CLA	C1A-C2A-CAA-CBA
13	e	1120	CLA	C1A-C2A-CAA-CBA
13	e	1122	CLA	C1A-C2A-CAA-CBA
13	e	1125	CLA	C1A-C2A-CAA-CBA
13	e	1128	CLA	C1A-C2A-CAA-CBA
13	e	1132	CLA	C1A-C2A-CAA-CBA
13	e	1135	CLA	C1A-C2A-CAA-CBA
13	e	1101	CLA	C1A-C2A-CAA-CBA
13	e	1130	CLA	C1A-C2A-CAA-CBA
13	f	1219	CLA	C1A-C2A-CAA-CBA
13	f	1225	CLA	C1A-C2A-CAA-CBA
13	f	1226	CLA	C1A-C2A-CAA-CBA
13	f	1227	CLA	C1A-C2A-CAA-CBA
13	f	1236	CLA	C1A-C2A-CAA-CBA
13	f	1239	CLA	C1A-C2A-CAA-CBA
13	m	1103	CLA	C1A-C2A-CAA-CBA
13	m	1105	CLA	C1A-C2A-CAA-CBA
13	n	1501	CLA	C1A-C2A-CAA-CBA
13	q	501	CLA	C1A-C2A-CAA-CBA
13	q	505	CLA	C1A-C2A-CAA-CBA
13	q	519	CLA	C1A-C2A-CAA-CBA
13	r	501	CLA	C1A-C2A-CAA-CBA
13	r	505	CLA	C1A-C2A-CAA-CBA
13	r	508	CLA	C1A-C2A-CAA-CBA
13	r	516	CLA	C1A-C2A-CAA-CBA
13	r	518	CLA	C1A-C2A-CAA-CBA
13	s	503	CLA	C1A-C2A-CAA-CBA
13	s	517	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	t	511	CLA	C1A-C2A-CAA-CBA
13	t	516	CLA	C1A-C2A-CAA-CBA
13	t	518	CLA	C1A-C2A-CAA-CBA
13	u	501	CLA	C1A-C2A-CAA-CBA
13	u	516	CLA	C1A-C2A-CAA-CBA
13	u	518	CLA	C1A-C2A-CAA-CBA
13	v	501	CLA	C1A-C2A-CAA-CBA
13	v	505	CLA	C1A-C2A-CAA-CBA
13	v	508	CLA	C1A-C2A-CAA-CBA
13	v	512	CLA	C1A-C2A-CAA-CBA
13	v	516	CLA	C1A-C2A-CAA-CBA
13	v	517	CLA	C1A-C2A-CAA-CBA
13	v	518	CLA	C1A-C2A-CAA-CBA
13	v	519	CLA	C1A-C2A-CAA-CBA
13	A	1116	CLA	C11-C12-C13-C14
13	A	1121	CLA	C6-C7-C8-C10
13	A	1127	CLA	C16-C17-C18-C20
13	A	1136	CLA	C11-C12-C13-C15
13	A	1101	CLA	C16-C17-C18-C20
13	B	1219	CLA	C16-C17-C18-C20
13	B	1222	CLA	C11-C12-C13-C14
13	L	1502	CLA	C16-C17-C18-C19
13	1	502	CLA	C11-C12-C13-C14
13	2	508	CLA	C6-C7-C8-C9
13	5	518	CLA	C6-C7-C8-C9
13	G	1116	CLA	C11-C12-C13-C14
13	G	1121	CLA	C6-C7-C8-C10
13	G	1127	CLA	C16-C17-C18-C20
13	G	1136	CLA	C11-C12-C13-C15
13	G	1101	CLA	C16-C17-C18-C20
13	H	1219	CLA	C16-C17-C18-C20
13	H	1222	CLA	C11-C12-C13-C14
13	V	1502	CLA	C16-C17-C18-C19
13	Y	502	CLA	C11-C12-C13-C14
13	Z	508	CLA	C6-C7-C8-C9
13	c	518	CLA	C6-C7-C8-C9
13	d	501	CLA	C11-C12-C13-C15
13	e	1116	CLA	C11-C12-C13-C14
13	e	1121	CLA	C6-C7-C8-C10
13	e	1127	CLA	C16-C17-C18-C20
13	e	1136	CLA	C11-C12-C13-C15
13	e	1101	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
13	f	1219	CLA	C16-C17-C18-C20
13	f	1222	CLA	C11-C12-C13-C14
13	n	1502	CLA	C16-C17-C18-C19
13	q	502	CLA	C11-C12-C13-C14
13	r	508	CLA	C6-C7-C8-C9
13	u	518	CLA	C6-C7-C8-C9
14	B	2002	PQN	C26-C27-C28-C29
14	H	2002	PQN	C26-C27-C28-C29
14	f	2002	PQN	C26-C27-C28-C29
17	A	5005	LHG	O9-C7-O7-C5
17	G	5005	LHG	O9-C7-O7-C5
17	e	5005	LHG	O9-C7-O7-C5
20	3	822	SQD	C12-C13-C14-C15
20	a	822	SQD	C12-C13-C14-C15
20	s	822	SQD	C12-C13-C14-C15
16	1	522	BCR	C9-C10-C11-C12
16	Y	522	BCR	C9-C10-C11-C12
16	q	522	BCR	C9-C10-C11-C12
13	2	510	CLA	O1D-CGD-O2D-CED
13	Z	510	CLA	O1D-CGD-O2D-CED
13	A	1125	CLA	C8-C10-C11-C12
13	B	1223	CLA	C10-C11-C12-C13
13	B	1224	CLA	C10-C11-C12-C13
13	3	505	CLA	C15-C16-C17-C18
13	H	1223	CLA	C10-C11-C12-C13
13	H	1224	CLA	C10-C11-C12-C13
13	a	505	CLA	C15-C16-C17-C18
13	e	1125	CLA	C8-C10-C11-C12
13	f	1223	CLA	C10-C11-C12-C13
13	f	1224	CLA	C10-C11-C12-C13
13	s	505	CLA	C15-C16-C17-C18
17	A	5008	LHG	C25-C26-C27-C28
17	G	5008	LHG	C25-C26-C27-C28
17	e	5008	LHG	C25-C26-C27-C28
20	B	1852	SQD	C7-C8-C9-C10
20	H	1852	SQD	C7-C8-C9-C10
20	f	1852	SQD	C7-C8-C9-C10
13	r	508	CLA	CBD-CGD-O2D-CED
13	r	510	CLA	O1D-CGD-O2D-CED
14	A	2001	PQN	C25-C26-C27-C28
14	G	2001	PQN	C25-C26-C27-C28
14	e	2001	PQN	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
20	c	822	SQD	C24-C23-O48-C46
17	A	5005	LHG	O6-C4-C5-C6
17	G	5005	LHG	O6-C4-C5-C6
17	e	5005	LHG	O6-C4-C5-C6
17	A	5008	LHG	C12-C13-C14-C15
17	G	5008	LHG	C12-C13-C14-C15
17	e	5008	LHG	C12-C13-C14-C15
13	4	509	CLA	O1D-CGD-O2D-CED
13	b	509	CLA	O1D-CGD-O2D-CED
13	t	509	CLA	O1D-CGD-O2D-CED
13	6	501	CLA	C11-C12-C13-C15
13	v	501	CLA	C11-C12-C13-C15
20	1	822	SQD	C25-C26-C27-C28
20	Y	822	SQD	C25-C26-C27-C28
20	q	822	SQD	C25-C26-C27-C28
17	A	5004	LHG	C26-C27-C28-C29
17	G	5004	LHG	C26-C27-C28-C29
13	3	511	CLA	CBA-CGA-O2A-C1
13	a	511	CLA	CBA-CGA-O2A-C1
13	s	511	CLA	CBA-CGA-O2A-C1
17	I	5001	LHG	C1-C2-C3-O3
17	S	5001	LHG	C1-C2-C3-O3
17	k	5001	LHG	C1-C2-C3-O3
13	A	1108	CLA	C4-C3-C5-C6
13	B	1231	CLA	C4-C3-C5-C6
13	J	1303	CLA	C4-C3-C5-C6
13	G	1108	CLA	C4-C3-C5-C6
13	H	1231	CLA	C4-C3-C5-C6
13	T	1303	CLA	C4-C3-C5-C6
13	e	1108	CLA	C4-C3-C5-C6
13	f	1231	CLA	C4-C3-C5-C6
13	l	1303	CLA	C4-C3-C5-C6
17	A	5006	LHG	C16-C17-C18-C19
17	G	5006	LHG	C16-C17-C18-C19
17	e	5004	LHG	C26-C27-C28-C29
17	e	5006	LHG	C16-C17-C18-C19
13	A	1105	CLA	O1A-CGA-O2A-C1
13	3	507	CLA	O1A-CGA-O2A-C1
13	G	1105	CLA	O1A-CGA-O2A-C1
13	G	1116	CLA	O1A-CGA-O2A-C1
13	a	507	CLA	O1A-CGA-O2A-C1
13	e	1105	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	e	1116	CLA	O1A-CGA-O2A-C1
13	s	507	CLA	O1A-CGA-O2A-C1
19	B	5002	LMG	O10-C28-O8-C9
19	f	5002	LMG	O10-C28-O8-C9
17	B	1855	LHG	C27-C28-C29-C30
17	H	1855	LHG	C27-C28-C29-C30
17	f	1855	LHG	C27-C28-C29-C30
13	A	1127	CLA	C16-C17-C18-C19
13	l	505	CLA	C16-C17-C18-C19
13	G	1127	CLA	C16-C17-C18-C19
13	Y	505	CLA	C16-C17-C18-C19
13	e	1127	CLA	C16-C17-C18-C19
13	q	505	CLA	C16-C17-C18-C19
17	A	5002	LHG	C4-C5-C6-O8
17	A	5004	LHG	C4-C5-C6-O8
17	A	5005	LHG	C11-C10-C9-C8
17	A	5001	LHG	C4-C5-C6-O8
17	L	5218	LHG	C4-C5-C6-O8
17	G	5002	LHG	C4-C5-C6-O8
17	G	5004	LHG	C4-C5-C6-O8
17	G	5005	LHG	C11-C10-C9-C8
17	G	5001	LHG	C4-C5-C6-O8
17	V	5218	LHG	C4-C5-C6-O8
17	e	5002	LHG	C4-C5-C6-O8
17	e	5004	LHG	C4-C5-C6-O8
17	e	5005	LHG	C11-C10-C9-C8
17	e	5001	LHG	C4-C5-C6-O8
17	f	1855	LHG	C19-C20-C21-C22
17	n	5218	LHG	C4-C5-C6-O8
20	l	822	SQD	C44-C45-C46-O48
20	Y	822	SQD	C44-C45-C46-O48
20	q	822	SQD	C44-C45-C46-O48
17	B	1855	LHG	C19-C20-C21-C22
17	I	5001	LHG	C31-C32-C33-C34
17	H	1855	LHG	C19-C20-C21-C22
17	S	5001	LHG	C31-C32-C33-C34
17	k	5001	LHG	C31-C32-C33-C34
13	A	1116	CLA	O1A-CGA-O2A-C1
19	H	5002	LMG	O10-C28-O8-C9
13	A	1108	CLA	C5-C6-C7-C8
13	2	502	CLA	O1D-CGD-O2D-CED
13	Z	502	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	e	1124	CLA	O1D-CGD-O2D-CED
13	5	501	CLA	C8-C10-C11-C12
13	c	501	CLA	C8-C10-C11-C12
13	u	501	CLA	C8-C10-C11-C12
13	G	1108	CLA	C5-C6-C7-C8
13	e	1108	CLA	C5-C6-C7-C8
13	A	1124	CLA	O1D-CGD-O2D-CED
13	3	505	CLA	O1D-CGD-O2D-CED
13	G	1124	CLA	O1D-CGD-O2D-CED
13	r	502	CLA	O1D-CGD-O2D-CED
13	s	505	CLA	O1D-CGD-O2D-CED
13	f	1201	CLA	O1A-CGA-O2A-C1
17	B	1855	LHG	C30-C31-C32-C33
17	H	1855	LHG	C30-C31-C32-C33
17	f	1855	LHG	C30-C31-C32-C33
17	e	5005	LHG	C25-C26-C27-C28
17	A	5006	LHG	O1-C1-C2-O2
17	G	5006	LHG	O1-C1-C2-O2
17	e	5006	LHG	O1-C1-C2-O2
17	A	5005	LHG	C25-C26-C27-C28
17	G	5005	LHG	C25-C26-C27-C28
13	B	1201	CLA	O1A-CGA-O2A-C1
13	H	1201	CLA	O1A-CGA-O2A-C1
17	G	5001	LHG	C9-C10-C11-C12
17	A	5004	LHG	C9-C10-C11-C12
17	A	5001	LHG	C9-C10-C11-C12
17	e	5004	LHG	C9-C10-C11-C12
17	e	5001	LHG	C9-C10-C11-C12
13	a	505	CLA	O1D-CGD-O2D-CED
13	B	1204	CLA	C13-C15-C16-C17
13	B	1215	CLA	C13-C15-C16-C17
13	F	1301	CLA	C15-C16-C17-C18
13	6	505	CLA	C13-C15-C16-C17
13	H	1204	CLA	C13-C15-C16-C17
13	H	1215	CLA	C13-C15-C16-C17
13	d	505	CLA	C13-C15-C16-C17
13	e	1126	CLA	C13-C15-C16-C17
13	f	1204	CLA	C13-C15-C16-C17
13	f	1215	CLA	C13-C15-C16-C17
13	j	1301	CLA	C15-C16-C17-C18
13	v	505	CLA	C13-C15-C16-C17
13	A	1102	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	A	1119	CLA	C4-C3-C5-C6
13	G	1102	CLA	C4-C3-C5-C6
13	G	1119	CLA	C4-C3-C5-C6
13	e	1102	CLA	C4-C3-C5-C6
13	e	1119	CLA	C4-C3-C5-C6
17	G	5004	LHG	C9-C10-C11-C12
18	A	1849	LMU	O5'-C5'-C6'-O6'
18	G	1849	LMU	O5'-C5'-C6'-O6'
18	e	1849	LMU	O5'-C5'-C6'-O6'
18	B	1843	LMU	C11-C10-C9-C8
18	H	1843	LMU	C11-C10-C9-C8
18	f	1843	LMU	C11-C10-C9-C8
13	A	1121	CLA	C5-C6-C7-C8
13	A	1126	CLA	C13-C15-C16-C17
13	1	502	CLA	C10-C11-C12-C13
13	G	1121	CLA	C5-C6-C7-C8
13	G	1126	CLA	C13-C15-C16-C17
13	R	1301	CLA	C15-C16-C17-C18
13	Y	502	CLA	C10-C11-C12-C13
13	e	1121	CLA	C5-C6-C7-C8
13	q	502	CLA	C10-C11-C12-C13
20	2	822	SQD	C46-C45-O47-C7
20	4	822	SQD	C46-C45-O47-C7
20	Z	822	SQD	C46-C45-O47-C7
20	b	822	SQD	C46-C45-O47-C7
20	r	822	SQD	C46-C45-O47-C7
20	t	822	SQD	C46-C45-O47-C7
13	A	1129	CLA	C2A-CAA-CBA-CGA
13	G	1129	CLA	C2A-CAA-CBA-CGA
13	e	1129	CLA	C2A-CAA-CBA-CGA
13	A	1138	CLA	C13-C15-C16-C17
13	G	1138	CLA	C13-C15-C16-C17
13	e	1138	CLA	C13-C15-C16-C17
13	G	1118	CLA	C2-C1-O2A-CGA
17	L	5218	LHG	C9-C10-C11-C12
17	V	5218	LHG	C9-C10-C11-C12
17	n	5218	LHG	C9-C10-C11-C12
13	L	1503	CLA	O1D-CGD-O2D-CED
13	V	1503	CLA	O1D-CGD-O2D-CED
13	n	1503	CLA	O1D-CGD-O2D-CED
13	r	505	CLA	CBD-CGD-O2D-CED
19	f	5002	LMG	C41-C42-C43-C44

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Mol	Chain	Res	Type	Atoms
13	1	509	CLA	C5-C6-C7-C8
13	2	502	CLA	C5-C6-C7-C8
13	Y	509	CLA	C5-C6-C7-C8
13	Z	502	CLA	C5-C6-C7-C8
13	f	1240	CLA	C8-C10-C11-C12
13	q	509	CLA	C5-C6-C7-C8
13	r	502	CLA	C5-C6-C7-C8
19	B	5002	LMG	C41-C42-C43-C44
19	H	5002	LMG	C41-C42-C43-C44
13	B	1210	CLA	CBA-CGA-O2A-C1
13	4	519	CLA	CBA-CGA-O2A-C1
13	5	518	CLA	CBA-CGA-O2A-C1
13	H	1210	CLA	CBA-CGA-O2A-C1
13	b	519	CLA	CBA-CGA-O2A-C1
13	c	518	CLA	CBA-CGA-O2A-C1
13	f	1210	CLA	CBA-CGA-O2A-C1
13	t	519	CLA	CBA-CGA-O2A-C1
13	u	518	CLA	CBA-CGA-O2A-C1
13	L	1502	CLA	O1A-CGA-O2A-C1
13	V	1502	CLA	O1A-CGA-O2A-C1
13	n	1502	CLA	O1A-CGA-O2A-C1
13	A	1136	CLA	C11-C12-C13-C14
13	G	1136	CLA	C11-C12-C13-C14
13	e	1136	CLA	C11-C12-C13-C14
13	r	505	CLA	C16-C17-C18-C20
13	A	1132	CLA	C5-C6-C7-C8
13	G	1132	CLA	C5-C6-C7-C8
13	e	1132	CLA	C5-C6-C7-C8
13	2	505	CLA	CBD-CGD-O2D-CED
13	Z	505	CLA	CBD-CGD-O2D-CED
17	A	5006	LHG	C8-C7-O7-C5
17	G	5006	LHG	C8-C7-O7-C5
17	e	5006	LHG	C8-C7-O7-C5
13	A	1103	CLA	C13-C15-C16-C17
13	A	1140	CLA	C15-C16-C17-C18
13	B	1240	CLA	C8-C10-C11-C12
13	G	1140	CLA	C15-C16-C17-C18
13	H	1240	CLA	C8-C10-C11-C12
13	e	1140	CLA	C15-C16-C17-C18
20	6	822	SQD	C2-C1-O6-C44
20	d	822	SQD	C2-C1-O6-C44
20	v	822	SQD	C2-C1-O6-C44

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Mol	Chain	Res	Type	Atoms
17	A	5006	LHG	O7-C5-C6-O8
17	G	5006	LHG	O7-C5-C6-O8
17	e	5006	LHG	O7-C5-C6-O8
13	e	1111	CLA	CBA-CGA-O2A-C1
13	G	1103	CLA	C13-C15-C16-C17
13	e	1103	CLA	C13-C15-C16-C17
13	B	1220	CLA	O1A-CGA-O2A-C1
13	1	518	CLA	O1A-CGA-O2A-C1
13	3	511	CLA	O1A-CGA-O2A-C1
13	H	1220	CLA	O1A-CGA-O2A-C1
13	Y	518	CLA	O1A-CGA-O2A-C1
13	a	511	CLA	O1A-CGA-O2A-C1
13	f	1220	CLA	O1A-CGA-O2A-C1
13	q	518	CLA	O1A-CGA-O2A-C1
13	s	511	CLA	O1A-CGA-O2A-C1
13	2	505	CLA	C16-C17-C18-C19
13	2	505	CLA	C16-C17-C18-C20
13	Z	505	CLA	C16-C17-C18-C19
13	Z	505	CLA	C16-C17-C18-C20
13	r	505	CLA	C16-C17-C18-C19
17	A	5008	LHG	C26-C27-C28-C29
17	G	5008	LHG	C26-C27-C28-C29
17	e	5008	LHG	C26-C27-C28-C29
13	A	1103	CLA	C11-C10-C8-C7
13	A	1103	CLA	C12-C13-C15-C16
13	A	1106	CLA	C12-C13-C15-C16
13	A	1116	CLA	C6-C7-C8-C10
13	A	1119	CLA	C2-C3-C5-C6
13	A	1123	CLA	C11-C10-C8-C7
13	A	1127	CLA	C11-C12-C13-C15
13	A	1127	CLA	C12-C13-C15-C16
13	A	1132	CLA	C12-C13-C15-C16
13	A	1137	CLA	C6-C7-C8-C10
13	A	1137	CLA	C12-C13-C15-C16
13	A	1138	CLA	C12-C13-C15-C16
13	A	1237	CLA	C11-C10-C8-C7
13	A	1101	CLA	C11-C10-C8-C7
13	A	1101	CLA	C11-C12-C13-C15
13	B	1203	CLA	C11-C10-C8-C7
13	B	1206	CLA	C6-C7-C8-C10
13	B	1210	CLA	C6-C7-C8-C10
13	B	1217	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
13	B	1231	CLA	C6-C7-C8-C10
13	B	1234	CLA	C11-C12-C13-C15
13	F	1301	CLA	C12-C13-C15-C16
13	1	509	CLA	C11-C12-C13-C15
13	5	501	CLA	C6-C7-C8-C10
13	5	509	CLA	C11-C10-C8-C7
13	6	501	CLA	C11-C10-C8-C7
13	G	1103	CLA	C11-C10-C8-C7
13	G	1103	CLA	C12-C13-C15-C16
13	G	1106	CLA	C12-C13-C15-C16
13	G	1116	CLA	C6-C7-C8-C10
13	G	1119	CLA	C2-C3-C5-C6
13	G	1123	CLA	C11-C10-C8-C7
13	G	1127	CLA	C11-C12-C13-C15
13	G	1127	CLA	C12-C13-C15-C16
13	G	1132	CLA	C12-C13-C15-C16
13	G	1137	CLA	C6-C7-C8-C10
13	G	1137	CLA	C12-C13-C15-C16
13	G	1138	CLA	C12-C13-C15-C16
13	G	1237	CLA	C11-C10-C8-C7
13	G	1101	CLA	C11-C10-C8-C7
13	G	1101	CLA	C11-C12-C13-C15
13	H	1203	CLA	C11-C10-C8-C7
13	H	1206	CLA	C6-C7-C8-C10
13	H	1210	CLA	C6-C7-C8-C10
13	H	1217	CLA	C11-C10-C8-C7
13	H	1231	CLA	C6-C7-C8-C10
13	H	1234	CLA	C11-C12-C13-C15
13	R	1301	CLA	C12-C13-C15-C16
13	Y	509	CLA	C11-C12-C13-C15
13	c	501	CLA	C6-C7-C8-C10
13	c	509	CLA	C11-C10-C8-C7
13	d	501	CLA	C11-C10-C8-C7
13	e	1103	CLA	C11-C10-C8-C7
13	e	1103	CLA	C12-C13-C15-C16
13	e	1106	CLA	C12-C13-C15-C16
13	e	1116	CLA	C6-C7-C8-C10
13	e	1119	CLA	C2-C3-C5-C6
13	e	1123	CLA	C11-C10-C8-C7
13	e	1127	CLA	C11-C12-C13-C15
13	e	1127	CLA	C12-C13-C15-C16
13	e	1132	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	e	1137	CLA	C6-C7-C8-C10
13	e	1137	CLA	C12-C13-C15-C16
13	e	1138	CLA	C12-C13-C15-C16
13	e	1237	CLA	C11-C10-C8-C7
13	e	1101	CLA	C11-C10-C8-C7
13	e	1101	CLA	C11-C12-C13-C15
13	f	1203	CLA	C11-C10-C8-C7
13	f	1206	CLA	C6-C7-C8-C10
13	f	1210	CLA	C6-C7-C8-C10
13	f	1217	CLA	C11-C10-C8-C7
13	f	1231	CLA	C6-C7-C8-C10
13	f	1234	CLA	C11-C12-C13-C15
13	j	1301	CLA	C12-C13-C15-C16
13	q	509	CLA	C11-C12-C13-C15
13	u	501	CLA	C6-C7-C8-C10
13	u	509	CLA	C11-C10-C8-C7
13	v	501	CLA	C11-C10-C8-C7
14	A	2001	PQN	C22-C23-C25-C26
14	G	2001	PQN	C22-C23-C25-C26
14	e	2001	PQN	C22-C23-C25-C26
17	A	5004	LHG	C30-C31-C32-C33
17	G	5004	LHG	C30-C31-C32-C33
13	A	1107	CLA	C11-C12-C13-C14
13	A	1109	CLA	C11-C12-C13-C14
13	A	1123	CLA	C11-C10-C8-C9
13	A	1127	CLA	C11-C12-C13-C14
13	A	1138	CLA	C14-C13-C15-C16
13	A	1237	CLA	C11-C10-C8-C9
13	B	1206	CLA	C6-C7-C8-C9
13	B	1215	CLA	C11-C10-C8-C9
13	B	1225	CLA	C14-C13-C15-C16
13	B	1235	CLA	C6-C7-C8-C9
13	F	1301	CLA	C11-C10-C8-C9
13	L	1501	CLA	C14-C13-C15-C16
13	L	1503	CLA	C6-C7-C8-C9
13	1	507	CLA	C11-C10-C8-C9
13	1	509	CLA	C11-C12-C13-C14
13	2	510	CLA	C14-C13-C15-C16
13	3	507	CLA	C11-C10-C8-C9
13	4	505	CLA	C14-C13-C15-C16
13	G	1107	CLA	C11-C12-C13-C14
13	G	1109	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
13	G	1123	CLA	C11-C10-C8-C9
13	G	1127	CLA	C11-C12-C13-C14
13	G	1137	CLA	C14-C13-C15-C16
13	G	1138	CLA	C14-C13-C15-C16
13	G	1237	CLA	C11-C10-C8-C9
13	H	1206	CLA	C6-C7-C8-C9
13	H	1215	CLA	C11-C10-C8-C9
13	H	1225	CLA	C14-C13-C15-C16
13	H	1235	CLA	C6-C7-C8-C9
13	R	1301	CLA	C11-C10-C8-C9
13	V	1501	CLA	C14-C13-C15-C16
13	V	1503	CLA	C6-C7-C8-C9
13	Y	507	CLA	C11-C10-C8-C9
13	Y	509	CLA	C11-C12-C13-C14
13	Z	510	CLA	C14-C13-C15-C16
13	a	507	CLA	C11-C10-C8-C9
13	b	505	CLA	C14-C13-C15-C16
13	e	1107	CLA	C11-C12-C13-C14
13	e	1109	CLA	C11-C12-C13-C14
13	e	1117	CLA	C11-C12-C13-C14
13	e	1123	CLA	C11-C10-C8-C9
13	e	1127	CLA	C11-C12-C13-C14
13	e	1138	CLA	C14-C13-C15-C16
13	e	1237	CLA	C11-C10-C8-C9
13	f	1206	CLA	C6-C7-C8-C9
13	f	1215	CLA	C11-C10-C8-C9
13	f	1225	CLA	C14-C13-C15-C16
13	f	1235	CLA	C6-C7-C8-C9
13	j	1301	CLA	C11-C10-C8-C9
13	n	1501	CLA	C14-C13-C15-C16
13	n	1503	CLA	C6-C7-C8-C9
13	q	507	CLA	C11-C10-C8-C9
13	q	509	CLA	C11-C12-C13-C14
13	r	510	CLA	C14-C13-C15-C16
13	s	507	CLA	C11-C10-C8-C9
13	t	505	CLA	C14-C13-C15-C16
17	e	5004	LHG	C30-C31-C32-C33
20	B	1852	SQD	C12-C13-C14-C15
20	H	1852	SQD	C12-C13-C14-C15
20	f	1852	SQD	C12-C13-C14-C15
13	A	1111	CLA	CBA-CGA-O2A-C1
13	B	1208	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	2	518	CLA	CBA-CGA-O2A-C1
13	G	1111	CLA	CBA-CGA-O2A-C1
13	H	1208	CLA	CBA-CGA-O2A-C1
13	Z	518	CLA	CBA-CGA-O2A-C1
13	f	1208	CLA	CBA-CGA-O2A-C1
13	r	518	CLA	CBA-CGA-O2A-C1
13	2	507	CLA	C10-C11-C12-C13
13	Z	507	CLA	C10-C11-C12-C13
13	r	507	CLA	C10-C11-C12-C13
13	2	519	CLA	C2A-CAA-CBA-CGA
13	4	518	CLA	C2A-CAA-CBA-CGA
13	Z	519	CLA	C2A-CAA-CBA-CGA
13	b	518	CLA	C2A-CAA-CBA-CGA
13	r	519	CLA	C2A-CAA-CBA-CGA
13	t	518	CLA	C2A-CAA-CBA-CGA
19	B	5002	LMG	C35-C36-C37-C38
19	H	5002	LMG	C35-C36-C37-C38
13	Y	504	CLA	O1D-CGD-O2D-CED
13	q	504	CLA	O1D-CGD-O2D-CED
16	J	4015	BCR	C7-C8-C9-C34
16	l	524	BCR	C11-C12-C13-C35
16	Y	524	BCR	C11-C12-C13-C35
16	Z	523	BCR	C7-C8-C9-C34
16	l	4015	BCR	C7-C8-C9-C34
16	q	524	BCR	C11-C12-C13-C35
17	A	5004	LHG	C31-C32-C33-C34
17	G	5004	LHG	C31-C32-C33-C34
17	e	5004	LHG	C31-C32-C33-C34
17	e	5005	LHG	C17-C18-C19-C20
19	f	5002	LMG	C35-C36-C37-C38
17	A	5005	LHG	C17-C18-C19-C20
17	B	1855	LHG	C13-C14-C15-C16
17	G	5005	LHG	C17-C18-C19-C20
17	f	1855	LHG	C13-C14-C15-C16
13	l	504	CLA	O1D-CGD-O2D-CED
13	A	1117	CLA	C15-C16-C17-C18
13	J	1303	CLA	C13-C15-C16-C17
13	3	507	CLA	C5-C6-C7-C8
13	G	1117	CLA	C15-C16-C17-C18
13	T	1303	CLA	C13-C15-C16-C17
13	a	507	CLA	C5-C6-C7-C8
13	e	1117	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
13	l	1303	CLA	C13-C15-C16-C17
13	s	507	CLA	C5-C6-C7-C8
17	I	5001	LHG	C33-C34-C35-C36
17	H	1855	LHG	C13-C14-C15-C16
17	S	5001	LHG	C33-C34-C35-C36
17	k	5001	LHG	C33-C34-C35-C36
17	n	5218	LHG	C24-C25-C26-C27
13	1	501	CLA	CBA-CGA-O2A-C1
13	2	513	CLA	CBA-CGA-O2A-C1
13	Y	501	CLA	CBA-CGA-O2A-C1
13	Z	513	CLA	CBA-CGA-O2A-C1
13	r	513	CLA	CBA-CGA-O2A-C1
13	J	1302	CLA	C10-C11-C12-C13
13	T	1302	CLA	C10-C11-C12-C13
13	l	1302	CLA	C10-C11-C12-C13
17	L	5218	LHG	C24-C25-C26-C27
17	V	5218	LHG	C24-C25-C26-C27
17	e	5003	LHG	C15-C16-C17-C18
19	B	5002	LMG	C30-C31-C32-C33
19	f	5002	LMG	C30-C31-C32-C33
13	B	1231	CLA	C5-C6-C7-C8
13	H	1231	CLA	C5-C6-C7-C8
13	H	1230	CLA	C5-C6-C7-C8
13	f	1231	CLA	C5-C6-C7-C8
17	A	5006	LHG	C14-C15-C16-C17
17	A	5003	LHG	C15-C16-C17-C18
17	L	5220	LHG	C28-C29-C30-C31
17	G	5006	LHG	C14-C15-C16-C17
17	G	5003	LHG	C15-C16-C17-C18
17	V	5220	LHG	C28-C29-C30-C31
17	e	5006	LHG	C14-C15-C16-C17
17	n	5220	LHG	C28-C29-C30-C31
19	H	5002	LMG	C30-C31-C32-C33
13	1	518	CLA	CAA-CBA-CGA-O2A
13	Y	518	CLA	CAA-CBA-CGA-O2A
13	q	518	CLA	CAA-CBA-CGA-O2A
13	A	1126	CLA	C16-C17-C18-C19
13	G	1126	CLA	C16-C17-C18-C19
13	e	1126	CLA	C16-C17-C18-C19
13	B	1230	CLA	C5-C6-C7-C8
13	f	1230	CLA	C5-C6-C7-C8
17	e	5007	LHG	O6-C4-C5-C6

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Mol	Chain	Res	Type	Atoms
17	f	1842	LHG	C31-C32-C33-C34
17	A	5004	LHG	C11-C10-C9-C8
17	B	1842	LHG	C31-C32-C33-C34
17	G	5004	LHG	C11-C10-C9-C8
17	H	1842	LHG	C31-C32-C33-C34
17	e	5004	LHG	C11-C10-C9-C8
13	q	501	CLA	CBA-CGA-O2A-C1
13	f	1224	CLA	O1D-CGD-O2D-CED
18	J	5105	LMU	C3-C4-C5-C6
18	T	5105	LMU	C3-C4-C5-C6
18	l	5105	LMU	C3-C4-C5-C6
13	A	1102	CLA	C2-C3-C5-C6
13	A	1130	CLA	C2-C3-C5-C6
13	G	1102	CLA	C2-C3-C5-C6
13	G	1130	CLA	C2-C3-C5-C6
13	e	1102	CLA	C2-C3-C5-C6
13	e	1130	CLA	C2-C3-C5-C6
19	J	5104	LMG	C10-C11-C12-C13
19	T	5104	LMG	C10-C11-C12-C13
19	l	5104	LMG	C10-C11-C12-C13
13	B	1224	CLA	O1D-CGD-O2D-CED
13	H	1224	CLA	O1D-CGD-O2D-CED
13	l	507	CLA	C8-C10-C11-C12
13	Y	507	CLA	C8-C10-C11-C12
13	q	507	CLA	C8-C10-C11-C12
13	B	1211	CLA	C11-C10-C8-C9
13	H	1211	CLA	C11-C10-C8-C9
13	f	1211	CLA	C11-C10-C8-C9
17	A	5001	LHG	C31-C32-C33-C34
17	G	5001	LHG	C31-C32-C33-C34
17	e	5001	LHG	C31-C32-C33-C34
13	B	1220	CLA	C6-C7-C8-C10
13	B	1227	CLA	C16-C17-C18-C20
13	H	1220	CLA	C6-C7-C8-C10
13	H	1227	CLA	C16-C17-C18-C20
13	f	1220	CLA	C6-C7-C8-C10
13	f	1227	CLA	C16-C17-C18-C20
13	A	1103	CLA	CBA-CGA-O2A-C1
13	l	507	CLA	CBA-CGA-O2A-C1
13	3	508	CLA	CBA-CGA-O2A-C1
13	G	1103	CLA	CBA-CGA-O2A-C1
13	Y	507	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	a	508	CLA	CBA-CGA-O2A-C1
13	e	1103	CLA	CBA-CGA-O2A-C1
13	q	507	CLA	CBA-CGA-O2A-C1
13	s	508	CLA	CBA-CGA-O2A-C1
17	L	5221	LHG	C2-C3-O3-P
17	V	5221	LHG	C2-C3-O3-P
17	n	5221	LHG	C2-C3-O3-P
13	A	1104	CLA	C3A-C2A-CAA-CBA
13	B	1206	CLA	C3A-C2A-CAA-CBA
13	B	1227	CLA	C3A-C2A-CAA-CBA
13	B	1240	CLA	C3A-C2A-CAA-CBA
13	J	1303	CLA	C3A-C2A-CAA-CBA
13	3	517	CLA	C3A-C2A-CAA-CBA
13	6	517	CLA	C3A-C2A-CAA-CBA
13	G	1104	CLA	C3A-C2A-CAA-CBA
13	H	1206	CLA	C3A-C2A-CAA-CBA
13	H	1227	CLA	C3A-C2A-CAA-CBA
13	H	1240	CLA	C3A-C2A-CAA-CBA
13	T	1303	CLA	C3A-C2A-CAA-CBA
13	a	517	CLA	C3A-C2A-CAA-CBA
13	d	517	CLA	C3A-C2A-CAA-CBA
13	e	1104	CLA	C3A-C2A-CAA-CBA
13	f	1206	CLA	C3A-C2A-CAA-CBA
13	f	1227	CLA	C3A-C2A-CAA-CBA
13	f	1240	CLA	C3A-C2A-CAA-CBA
13	l	1303	CLA	C3A-C2A-CAA-CBA
13	s	517	CLA	C3A-C2A-CAA-CBA
13	v	517	CLA	C3A-C2A-CAA-CBA
17	A	5007	LHG	C35-C36-C37-C38
17	A	5003	LHG	C25-C26-C27-C28
17	G	5007	LHG	C35-C36-C37-C38
17	G	5003	LHG	C25-C26-C27-C28
17	e	5007	LHG	C35-C36-C37-C38
17	e	5003	LHG	C25-C26-C27-C28
13	B	1201	CLA	C11-C12-C13-C15
13	H	1201	CLA	C11-C12-C13-C15
13	H	1205	CLA	O1D-CGD-O2D-CED
13	B	1206	CLA	C13-C15-C16-C17
13	2	518	CLA	C8-C10-C11-C12
13	H	1206	CLA	C13-C15-C16-C17
13	Z	518	CLA	C8-C10-C11-C12
13	f	1206	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
13	r	518	CLA	C8-C10-C11-C12
13	B	1205	CLA	O1D-CGD-O2D-CED
13	f	1205	CLA	O1D-CGD-O2D-CED
17	A	5005	LHG	C4-C5-C6-O8
17	A	5007	LHG	C4-C5-C6-O8
17	A	5009	LHG	C4-C5-C6-O8
17	I	5001	LHG	C4-C5-C6-O8
17	L	5220	LHG	C4-C5-C6-O8
17	G	5005	LHG	C4-C5-C6-O8
17	G	5007	LHG	C4-C5-C6-O8
17	G	5009	LHG	C4-C5-C6-O8
17	S	5001	LHG	C4-C5-C6-O8
17	V	5220	LHG	C4-C5-C6-O8
17	e	5005	LHG	C4-C5-C6-O8
17	e	5007	LHG	C4-C5-C6-O8
17	e	5009	LHG	C4-C5-C6-O8
17	k	5001	LHG	C4-C5-C6-O8
17	n	5220	LHG	C4-C5-C6-O8
20	B	1852	SQD	O6-C44-C45-C46
20	4	822	SQD	C44-C45-C46-O48
20	6	822	SQD	C44-C45-C46-O48
20	H	1852	SQD	O6-C44-C45-C46
20	b	822	SQD	C44-C45-C46-O48
20	d	822	SQD	C44-C45-C46-O48
20	f	1852	SQD	O6-C44-C45-C46
20	t	822	SQD	C44-C45-C46-O48
20	v	822	SQD	C44-C45-C46-O48
17	L	5221	LHG	C24-C25-C26-C27
17	V	5221	LHG	C24-C25-C26-C27
17	n	5221	LHG	C24-C25-C26-C27
17	A	5009	LHG	C32-C33-C34-C35
17	G	5009	LHG	C32-C33-C34-C35
17	e	5009	LHG	C32-C33-C34-C35
13	A	1104	CLA	C3-C5-C6-C7
13	A	1125	CLA	C3-C5-C6-C7
13	G	1104	CLA	C3-C5-C6-C7
13	e	1104	CLA	C3-C5-C6-C7
13	Y	508	CLA	O1D-CGD-O2D-CED
17	A	5007	LHG	C15-C16-C17-C18
17	L	5220	LHG	C11-C10-C9-C8
17	G	5007	LHG	C15-C16-C17-C18
17	V	5220	LHG	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
17	n	5220	LHG	C11-C10-C9-C8
13	B	1210	CLA	C4-C3-C5-C6
13	H	1210	CLA	C4-C3-C5-C6
13	f	1210	CLA	C4-C3-C5-C6
13	f	1201	CLA	C11-C12-C13-C15
13	r	513	CLA	C16-C17-C18-C19
13	l	508	CLA	O1D-CGD-O2D-CED
13	q	508	CLA	O1D-CGD-O2D-CED
17	e	5007	LHG	C15-C16-C17-C18
17	B	1855	LHG	C24-C25-C26-C27
17	L	5221	LHG	C19-C20-C21-C22
17	H	1855	LHG	C24-C25-C26-C27
17	V	5221	LHG	C19-C20-C21-C22
17	f	1855	LHG	C24-C25-C26-C27
17	n	5221	LHG	C19-C20-C21-C22
13	B	1208	CLA	C13-C15-C16-C17
13	H	1208	CLA	C13-C15-C16-C17
13	f	1208	CLA	C13-C15-C16-C17
13	5	518	CLA	O1A-CGA-O2A-C1
13	b	519	CLA	O1A-CGA-O2A-C1
13	c	518	CLA	O1A-CGA-O2A-C1
17	A	5006	LHG	C30-C31-C32-C33
17	e	5006	LHG	C30-C31-C32-C33
18	2	901	LMU	C1-C2-C3-C4
18	Z	901	LMU	C1-C2-C3-C4
18	r	901	LMU	C1-C2-C3-C4
13	B	1012	CLA	C3-C5-C6-C7
13	B	1227	CLA	C3-C5-C6-C7
13	G	1125	CLA	C3-C5-C6-C7
13	H	1012	CLA	C3-C5-C6-C7
13	H	1227	CLA	C3-C5-C6-C7
13	e	1125	CLA	C3-C5-C6-C7
13	f	1012	CLA	C3-C5-C6-C7
13	f	1227	CLA	C3-C5-C6-C7
13	A	1111	CLA	C2A-CAA-CBA-CGA
13	3	518	CLA	C2A-CAA-CBA-CGA
13	G	1111	CLA	C2A-CAA-CBA-CGA
13	a	518	CLA	C2A-CAA-CBA-CGA
13	e	1106	CLA	C2A-CAA-CBA-CGA
13	e	1111	CLA	C2A-CAA-CBA-CGA
17	G	5006	LHG	C30-C31-C32-C33
19	f	5002	LMG	C34-C35-C36-C37

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Mol	Chain	Res	Type	Atoms
17	B	1855	LHG	O6-C4-C5-O7
17	H	1855	LHG	O6-C4-C5-O7
17	f	1855	LHG	O6-C4-C5-O7
19	B	5002	LMG	C34-C35-C36-C37
19	H	5002	LMG	C34-C35-C36-C37
13	B	1210	CLA	O1A-CGA-O2A-C1
13	4	519	CLA	O1A-CGA-O2A-C1
13	H	1210	CLA	O1A-CGA-O2A-C1
13	f	1210	CLA	O1A-CGA-O2A-C1
13	t	519	CLA	O1A-CGA-O2A-C1
13	u	518	CLA	O1A-CGA-O2A-C1
13	B	1219	CLA	C16-C17-C18-C19
13	2	513	CLA	C16-C17-C18-C19
13	H	1219	CLA	C16-C17-C18-C19
13	Z	513	CLA	C16-C17-C18-C19
13	f	1219	CLA	C16-C17-C18-C19
13	G	1237	CLA	C10-C11-C12-C13
13	e	1237	CLA	C10-C11-C12-C13
17	G	5004	LHG	C25-C26-C27-C28
17	B	1842	LHG	C34-C35-C36-C37
20	B	1852	SQD	C32-C33-C34-C35
20	3	822	SQD	C28-C29-C30-C31
20	H	1852	SQD	C32-C33-C34-C35
20	f	1852	SQD	C32-C33-C34-C35
13	A	1111	CLA	O1A-CGA-O2A-C1
13	G	1111	CLA	O1A-CGA-O2A-C1
13	e	1111	CLA	O1A-CGA-O2A-C1
17	A	5004	LHG	C25-C26-C27-C28
17	H	1842	LHG	C34-C35-C36-C37
17	e	5004	LHG	C25-C26-C27-C28
17	f	1842	LHG	C34-C35-C36-C37
20	a	822	SQD	C28-C29-C30-C31
20	s	822	SQD	C28-C29-C30-C31
17	A	5009	LHG	O7-C5-C6-O8
17	G	5009	LHG	O7-C5-C6-O8
17	e	5009	LHG	O7-C5-C6-O8
20	1	822	SQD	O6-C44-C45-O47
20	Y	822	SQD	O6-C44-C45-O47
20	q	822	SQD	O6-C44-C45-O47
13	A	1122	CLA	C10-C11-C12-C13
13	A	1132	CLA	C13-C15-C16-C17
13	A	1237	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
13	B	1221	CLA	C13-C15-C16-C17
13	G	1122	CLA	C10-C11-C12-C13
13	G	1132	CLA	C13-C15-C16-C17
13	H	1221	CLA	C13-C15-C16-C17
13	e	1132	CLA	C13-C15-C16-C17
13	f	1221	CLA	C13-C15-C16-C17
13	B	1224	CLA	CAA-CBA-CGA-O2A
13	H	1224	CLA	CAA-CBA-CGA-O2A
13	f	1224	CLA	CAA-CBA-CGA-O2A
13	B	1210	CLA	C16-C17-C18-C20
13	2	513	CLA	C16-C17-C18-C20
13	H	1210	CLA	C16-C17-C18-C20
13	Z	513	CLA	C16-C17-C18-C20
13	f	1210	CLA	C16-C17-C18-C20
13	r	513	CLA	C16-C17-C18-C20
13	A	1128	CLA	C5-C6-C7-C8
13	G	1128	CLA	C5-C6-C7-C8
13	e	1122	CLA	C10-C11-C12-C13
13	e	1128	CLA	C5-C6-C7-C8
17	H	1855	LHG	C14-C15-C16-C17
17	f	1855	LHG	C14-C15-C16-C17
19	J	5104	LMG	O9-C10-O7-C8
19	T	5104	LMG	O9-C10-O7-C8
19	l	5104	LMG	O9-C10-O7-C8
13	A	1105	CLA	C2-C1-O2A-CGA
13	B	1223	CLA	C2-C1-O2A-CGA
13	2	502	CLA	C2-C1-O2A-CGA
13	5	505	CLA	C2-C1-O2A-CGA
13	G	1105	CLA	C2-C1-O2A-CGA
13	H	1223	CLA	C2-C1-O2A-CGA
13	Z	502	CLA	C2-C1-O2A-CGA
13	c	505	CLA	C2-C1-O2A-CGA
13	e	1105	CLA	C2-C1-O2A-CGA
13	f	1223	CLA	C2-C1-O2A-CGA
13	r	502	CLA	C2-C1-O2A-CGA
13	u	505	CLA	C2-C1-O2A-CGA
17	B	1855	LHG	C14-C15-C16-C17
13	A	1106	CLA	C14-C13-C15-C16
13	A	1109	CLA	C14-C13-C15-C16
13	A	1117	CLA	C11-C12-C13-C14
13	A	1125	CLA	C11-C12-C13-C14
13	A	1128	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	A	1132	CLA	C14-C13-C15-C16
13	A	1137	CLA	C14-C13-C15-C16
13	A	1140	CLA	C6-C7-C8-C9
13	B	1201	CLA	C6-C7-C8-C9
13	B	1204	CLA	C11-C10-C8-C9
13	B	1205	CLA	C14-C13-C15-C16
13	B	1214	CLA	C11-C10-C8-C9
13	B	1234	CLA	C6-C7-C8-C9
13	B	1239	CLA	C14-C13-C15-C16
13	5	501	CLA	C11-C10-C8-C9
13	5	509	CLA	C11-C12-C13-C14
13	5	509	CLA	C14-C13-C15-C16
13	G	1106	CLA	C14-C13-C15-C16
13	G	1109	CLA	C14-C13-C15-C16
13	G	1117	CLA	C11-C12-C13-C14
13	G	1125	CLA	C11-C12-C13-C14
13	G	1128	CLA	C6-C7-C8-C9
13	G	1132	CLA	C14-C13-C15-C16
13	G	1140	CLA	C6-C7-C8-C9
13	H	1201	CLA	C6-C7-C8-C9
13	H	1204	CLA	C11-C10-C8-C9
13	H	1205	CLA	C14-C13-C15-C16
13	H	1214	CLA	C11-C10-C8-C9
13	H	1234	CLA	C6-C7-C8-C9
13	H	1239	CLA	C14-C13-C15-C16
13	c	501	CLA	C11-C10-C8-C9
13	c	509	CLA	C11-C12-C13-C14
13	c	509	CLA	C14-C13-C15-C16
13	e	1106	CLA	C14-C13-C15-C16
13	e	1109	CLA	C14-C13-C15-C16
13	e	1125	CLA	C11-C12-C13-C14
13	e	1128	CLA	C6-C7-C8-C9
13	e	1132	CLA	C14-C13-C15-C16
13	e	1137	CLA	C14-C13-C15-C16
13	e	1140	CLA	C6-C7-C8-C9
13	f	1201	CLA	C6-C7-C8-C9
13	f	1204	CLA	C11-C10-C8-C9
13	f	1205	CLA	C14-C13-C15-C16
13	f	1214	CLA	C11-C10-C8-C9
13	f	1234	CLA	C6-C7-C8-C9
13	f	1239	CLA	C14-C13-C15-C16
13	u	501	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
13	u	509	CLA	C11-C12-C13-C14
13	u	509	CLA	C14-C13-C15-C16
14	A	2001	PQN	C19-C18-C20-C21
14	G	2001	PQN	C19-C18-C20-C21
14	e	2001	PQN	C19-C18-C20-C21
17	L	5220	LHG	C30-C31-C32-C33
17	V	5220	LHG	C30-C31-C32-C33
17	n	5220	LHG	C30-C31-C32-C33
20	B	1852	SQD	C10-C11-C12-C13
20	f	1852	SQD	C10-C11-C12-C13
17	A	5004	LHG	C2-C3-O3-P
17	A	5005	LHG	C2-C3-O3-P
17	G	5004	LHG	C2-C3-O3-P
17	G	5005	LHG	C2-C3-O3-P
17	e	5004	LHG	C2-C3-O3-P
17	e	5005	LHG	C2-C3-O3-P
20	H	1852	SQD	C10-C11-C12-C13
13	A	1106	CLA	C2A-CAA-CBA-CGA
13	A	1115	CLA	C2A-CAA-CBA-CGA
13	2	501	CLA	C2A-CAA-CBA-CGA
13	2	518	CLA	C2A-CAA-CBA-CGA
13	G	1106	CLA	C2A-CAA-CBA-CGA
13	G	1115	CLA	C2A-CAA-CBA-CGA
13	Z	501	CLA	C2A-CAA-CBA-CGA
13	Z	518	CLA	C2A-CAA-CBA-CGA
13	e	1115	CLA	C2A-CAA-CBA-CGA
13	r	501	CLA	C2A-CAA-CBA-CGA
13	r	518	CLA	C2A-CAA-CBA-CGA
13	s	518	CLA	C2A-CAA-CBA-CGA
13	A	1103	CLA	C16-C17-C18-C19
13	B	1220	CLA	C6-C7-C8-C9
13	1	501	CLA	C16-C17-C18-C19
13	1	502	CLA	C11-C12-C13-C15
13	G	1103	CLA	C16-C17-C18-C19
13	H	1220	CLA	C6-C7-C8-C9
13	Y	501	CLA	C16-C17-C18-C19
13	Y	502	CLA	C11-C12-C13-C15
13	e	1103	CLA	C16-C17-C18-C19
13	f	1220	CLA	C6-C7-C8-C9
13	n	1502	CLA	C16-C17-C18-C20
13	q	501	CLA	C16-C17-C18-C19
13	q	502	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
16	L	4020	BCR	C23-C24-C25-C30
16	L	4219	BCR	C1-C6-C7-C8
16	L	4219	BCR	C5-C6-C7-C8
16	3	521	BCR	C23-C24-C25-C30
16	3	522	BCR	C5-C6-C7-C8
16	5	521	BCR	C5-C6-C7-C8
16	6	524	BCR	C5-C6-C7-C8
16	V	4020	BCR	C23-C24-C25-C30
16	V	4219	BCR	C1-C6-C7-C8
16	V	4219	BCR	C5-C6-C7-C8
16	a	521	BCR	C23-C24-C25-C30
16	a	522	BCR	C5-C6-C7-C8
16	c	521	BCR	C5-C6-C7-C8
16	d	524	BCR	C5-C6-C7-C8
16	n	4020	BCR	C23-C24-C25-C30
16	n	4219	BCR	C1-C6-C7-C8
16	n	4219	BCR	C5-C6-C7-C8
16	s	521	BCR	C23-C24-C25-C30
16	s	522	BCR	C5-C6-C7-C8
16	u	521	BCR	C5-C6-C7-C8
16	v	524	BCR	C5-C6-C7-C8
13	B	1224	CLA	C5-C6-C7-C8
13	H	1224	CLA	C5-C6-C7-C8
13	f	1224	CLA	C5-C6-C7-C8
16	2	523	BCR	C7-C8-C9-C34
16	r	523	BCR	C7-C8-C9-C34
13	B	1208	CLA	O1A-CGA-O2A-C1
13	2	518	CLA	O1A-CGA-O2A-C1
13	H	1208	CLA	O1A-CGA-O2A-C1
13	Z	518	CLA	O1A-CGA-O2A-C1
13	f	1208	CLA	O1A-CGA-O2A-C1
13	r	518	CLA	O1A-CGA-O2A-C1
13	B	1215	CLA	O1D-CGD-O2D-CED
16	A	4001	BCR	C7-C8-C9-C10
16	A	4011	BCR	C17-C18-C19-C20
16	B	4014	BCR	C7-C8-C9-C10
16	M	4021	BCR	C11-C12-C13-C14
16	3	524	BCR	C7-C8-C9-C10
16	4	524	BCR	C7-C8-C9-C10
16	6	522	BCR	C7-C8-C9-C10
16	G	4001	BCR	C7-C8-C9-C10
16	G	4011	BCR	C17-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
16	H	4014	BCR	C7-C8-C9-C10
16	W	4021	BCR	C11-C12-C13-C14
16	a	524	BCR	C7-C8-C9-C10
16	b	524	BCR	C7-C8-C9-C10
16	d	522	BCR	C7-C8-C9-C10
16	e	4001	BCR	C7-C8-C9-C10
16	e	4011	BCR	C17-C18-C19-C20
16	f	4014	BCR	C7-C8-C9-C10
16	o	4021	BCR	C11-C12-C13-C14
16	s	524	BCR	C7-C8-C9-C10
16	t	524	BCR	C7-C8-C9-C10
16	v	522	BCR	C7-C8-C9-C10
13	H	1215	CLA	O1D-CGD-O2D-CED
13	f	1215	CLA	O1D-CGD-O2D-CED
20	B	1852	SQD	C8-C7-O47-C45
20	H	1852	SQD	C8-C7-O47-C45
20	f	1852	SQD	C8-C7-O47-C45
17	A	5009	LHG	C10-C11-C12-C13
17	G	5009	LHG	C10-C11-C12-C13
17	e	5009	LHG	C10-C11-C12-C13
20	s	822	SQD	C11-C10-C9-C8
13	A	1115	CLA	C11-C12-C13-C14
13	L	1502	CLA	C16-C17-C18-C20
13	l	501	CLA	C16-C17-C18-C20
13	G	1115	CLA	C11-C12-C13-C14
13	V	1502	CLA	C16-C17-C18-C20
13	Y	501	CLA	C16-C17-C18-C20
13	e	1115	CLA	C11-C12-C13-C14
13	q	501	CLA	C16-C17-C18-C20
14	A	2001	PQN	C26-C27-C28-C30
14	G	2001	PQN	C26-C27-C28-C30
14	e	2001	PQN	C26-C27-C28-C30
13	A	1237	CLA	C3-C5-C6-C7
13	5	505	CLA	C14-C13-C15-C16
13	c	505	CLA	C14-C13-C15-C16
13	u	505	CLA	C14-C13-C15-C16
20	3	822	SQD	C11-C10-C9-C8
13	2	507	CLA	C13-C15-C16-C17
13	Z	507	CLA	C13-C15-C16-C17
13	r	507	CLA	C13-C15-C16-C17
20	a	822	SQD	C11-C10-C9-C8
20	V	5216	SQD	C31-C32-C33-C34

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Mol	Chain	Res	Type	Atoms
20	n	5216	SQD	C31-C32-C33-C34
17	A	5002	LHG	O6-C4-C5-C6
17	A	5007	LHG	O6-C4-C5-C6
17	L	5218	LHG	O6-C4-C5-C6
17	G	5002	LHG	O6-C4-C5-C6
17	G	5007	LHG	O6-C4-C5-C6
17	V	5218	LHG	O6-C4-C5-C6
17	e	5002	LHG	O6-C4-C5-C6
17	n	5218	LHG	O6-C4-C5-C6
20	L	5216	SQD	C31-C32-C33-C34
13	A	1106	CLA	C11-C12-C13-C15
13	A	1107	CLA	C11-C12-C13-C15
13	A	1109	CLA	C11-C12-C13-C15
13	A	1117	CLA	C11-C12-C13-C15
13	A	1122	CLA	C6-C7-C8-C10
13	A	1125	CLA	C11-C12-C13-C15
13	A	1128	CLA	C6-C7-C8-C10
13	A	1131	CLA	C12-C13-C15-C16
13	A	1139	CLA	C6-C7-C8-C10
13	B	1012	CLA	C11-C10-C8-C7
13	B	1201	CLA	C6-C7-C8-C10
13	B	1203	CLA	C6-C7-C8-C10
13	B	1203	CLA	C11-C12-C13-C15
13	B	1206	CLA	C11-C10-C8-C7
13	B	1208	CLA	C6-C7-C8-C10
13	B	1214	CLA	C11-C12-C13-C15
13	B	1215	CLA	C11-C10-C8-C7
13	B	1225	CLA	C12-C13-C15-C16
13	B	1226	CLA	C11-C12-C13-C15
13	B	1234	CLA	C6-C7-C8-C10
13	B	1235	CLA	C6-C7-C8-C10
13	B	1239	CLA	C12-C13-C15-C16
13	B	1240	CLA	C11-C12-C13-C15
13	L	1501	CLA	C12-C13-C15-C16
13	1	507	CLA	C11-C10-C8-C7
13	1	510	CLA	C6-C7-C8-C10
13	2	507	CLA	C11-C10-C8-C7
13	2	510	CLA	C12-C13-C15-C16
13	3	507	CLA	C11-C10-C8-C7
13	4	501	CLA	C6-C7-C8-C10
13	4	505	CLA	C12-C13-C15-C16
13	5	501	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
13	5	509	CLA	C11-C12-C13-C15
13	5	509	CLA	C12-C13-C15-C16
13	6	505	CLA	C6-C7-C8-C10
13	G	1106	CLA	C11-C12-C13-C15
13	G	1107	CLA	C11-C12-C13-C15
13	G	1109	CLA	C11-C12-C13-C15
13	G	1117	CLA	C11-C12-C13-C15
13	G	1122	CLA	C6-C7-C8-C10
13	G	1125	CLA	C11-C12-C13-C15
13	G	1128	CLA	C6-C7-C8-C10
13	G	1131	CLA	C12-C13-C15-C16
13	G	1139	CLA	C6-C7-C8-C10
13	H	1012	CLA	C11-C10-C8-C7
13	H	1201	CLA	C6-C7-C8-C10
13	H	1203	CLA	C6-C7-C8-C10
13	H	1203	CLA	C11-C12-C13-C15
13	H	1206	CLA	C11-C10-C8-C7
13	H	1208	CLA	C6-C7-C8-C10
13	H	1214	CLA	C11-C12-C13-C15
13	H	1215	CLA	C11-C10-C8-C7
13	H	1225	CLA	C12-C13-C15-C16
13	H	1226	CLA	C11-C12-C13-C15
13	H	1234	CLA	C6-C7-C8-C10
13	H	1235	CLA	C6-C7-C8-C10
13	H	1239	CLA	C12-C13-C15-C16
13	H	1240	CLA	C11-C12-C13-C15
13	V	1501	CLA	C12-C13-C15-C16
13	Y	507	CLA	C11-C10-C8-C7
13	Y	510	CLA	C6-C7-C8-C10
13	Z	507	CLA	C11-C10-C8-C7
13	Z	510	CLA	C12-C13-C15-C16
13	a	507	CLA	C11-C10-C8-C7
13	b	501	CLA	C6-C7-C8-C10
13	b	505	CLA	C12-C13-C15-C16
13	c	501	CLA	C11-C10-C8-C7
13	c	509	CLA	C11-C12-C13-C15
13	c	509	CLA	C12-C13-C15-C16
13	d	505	CLA	C6-C7-C8-C10
13	e	1106	CLA	C11-C12-C13-C15
13	e	1107	CLA	C11-C12-C13-C15
13	e	1109	CLA	C11-C12-C13-C15
13	e	1117	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
13	e	1122	CLA	C6-C7-C8-C10
13	e	1125	CLA	C11-C12-C13-C15
13	e	1128	CLA	C6-C7-C8-C10
13	e	1131	CLA	C12-C13-C15-C16
13	e	1139	CLA	C6-C7-C8-C10
13	f	1012	CLA	C11-C10-C8-C7
13	f	1201	CLA	C6-C7-C8-C10
13	f	1203	CLA	C6-C7-C8-C10
13	f	1203	CLA	C11-C12-C13-C15
13	f	1206	CLA	C11-C10-C8-C7
13	f	1208	CLA	C6-C7-C8-C10
13	f	1214	CLA	C11-C12-C13-C15
13	f	1215	CLA	C11-C10-C8-C7
13	f	1225	CLA	C12-C13-C15-C16
13	f	1226	CLA	C11-C12-C13-C15
13	f	1234	CLA	C6-C7-C8-C10
13	f	1235	CLA	C6-C7-C8-C10
13	f	1239	CLA	C12-C13-C15-C16
13	f	1240	CLA	C11-C12-C13-C15
13	n	1501	CLA	C12-C13-C15-C16
13	q	507	CLA	C11-C10-C8-C7
13	q	510	CLA	C6-C7-C8-C10
13	r	507	CLA	C11-C10-C8-C7
13	r	510	CLA	C12-C13-C15-C16
13	s	507	CLA	C11-C10-C8-C7
13	t	501	CLA	C6-C7-C8-C10
13	t	505	CLA	C12-C13-C15-C16
13	u	501	CLA	C11-C10-C8-C7
13	u	509	CLA	C12-C13-C15-C16
13	v	505	CLA	C6-C7-C8-C10
14	A	2001	PQN	C17-C18-C20-C21
14	G	2001	PQN	C17-C18-C20-C21
14	e	2001	PQN	C17-C18-C20-C21
13	G	1237	CLA	C3-C5-C6-C7
13	e	1237	CLA	C3-C5-C6-C7
16	5	522	BCR	C9-C10-C11-C12
16	c	522	BCR	C9-C10-C11-C12
16	u	522	BCR	C9-C10-C11-C12
13	B	1227	CLA	C16-C17-C18-C19
13	H	1227	CLA	C16-C17-C18-C19
13	f	1227	CLA	C16-C17-C18-C19
17	G	5008	LHG	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
13	R	1301	CLA	CBA-CGA-O2A-C1
17	A	5008	LHG	C11-C12-C13-C14
17	e	5008	LHG	C11-C12-C13-C14
13	T	1303	CLA	C5-C6-C7-C8
13	f	1223	CLA	CBD-CGD-O2D-CED
17	A	5007	LHG	C10-C11-C12-C13
17	G	5007	LHG	C10-C11-C12-C13
17	e	5007	LHG	C10-C11-C12-C13
13	J	1303	CLA	C5-C6-C7-C8
17	A	5003	LHG	C13-C14-C15-C16
17	G	5003	LHG	C13-C14-C15-C16
17	e	5003	LHG	C13-C14-C15-C16
13	A	1103	CLA	C3-C5-C6-C7
13	G	1103	CLA	C3-C5-C6-C7
13	e	1103	CLA	C3-C5-C6-C7
13	B	1023	CLA	C4C-C3C-CAC-CBC
13	B	1223	CLA	CBD-CGD-O2D-CED
13	2	518	CLA	C13-C15-C16-C17
13	Z	518	CLA	C13-C15-C16-C17
13	f	1219	CLA	C8-C10-C11-C12
13	l	1303	CLA	C5-C6-C7-C8
13	r	518	CLA	C13-C15-C16-C17
13	B	1236	CLA	CBA-CGA-O2A-C1
13	F	1301	CLA	CBA-CGA-O2A-C1
13	4	518	CLA	CBA-CGA-O2A-C1
13	H	1236	CLA	CBA-CGA-O2A-C1
13	b	518	CLA	CBA-CGA-O2A-C1
13	f	1236	CLA	CBA-CGA-O2A-C1
13	j	1301	CLA	CBA-CGA-O2A-C1
13	t	518	CLA	CBA-CGA-O2A-C1
13	5	518	CLA	O1D-CGD-O2D-CED
17	A	5003	LHG	C23-C24-C25-C26
17	G	5003	LHG	C23-C24-C25-C26
17	e	5003	LHG	C23-C24-C25-C26
13	f	1023	CLA	C4C-C3C-CAC-CBC
13	B	1219	CLA	C8-C10-C11-C12
13	G	1130	CLA	C5-C6-C7-C8
13	H	1219	CLA	C8-C10-C11-C12
13	r	513	CLA	O1A-CGA-O2A-C1
13	H	1223	CLA	CBD-CGD-O2D-CED
17	B	1842	LHG	C30-C31-C32-C33
17	G	5009	LHG	C34-C35-C36-C37

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Mol	Chain	Res	Type	Atoms
17	H	1842	LHG	C30-C31-C32-C33
17	e	5009	LHG	C34-C35-C36-C37
13	A	1102	CLA	CAD-CBD-CGD-O2D
13	A	1110	CLA	CAD-CBD-CGD-O2D
13	A	1116	CLA	CAD-CBD-CGD-O2D
13	B	1012	CLA	CAD-CBD-CGD-O2D
13	B	1201	CLA	CAD-CBD-CGD-O2D
13	B	1208	CLA	CAD-CBD-CGD-O2D
13	B	1214	CLA	CAD-CBD-CGD-O2D
13	B	1217	CLA	CAD-CBD-CGD-O2D
13	B	1218	CLA	CAD-CBD-CGD-O2D
13	B	1238	CLA	CAD-CBD-CGD-O2D
13	B	1230	CLA	CAD-CBD-CGD-O2D
13	J	1302	CLA	CAD-CBD-CGD-O2D
13	K	1105	CLA	CAD-CBD-CGD-O2D
13	1	505	CLA	CAD-CBD-CGD-O2D
13	1	516	CLA	CAD-CBD-CGD-O2D
13	1	519	CLA	CAD-CBD-CGD-O2D
13	2	513	CLA	CAD-CBD-CGD-O2D
13	2	519	CLA	CAD-CBD-CGD-O2D
13	3	505	CLA	CAD-CBD-CGD-O2D
13	3	510	CLA	CAD-CBD-CGD-O2D
13	4	509	CLA	CAD-CBD-CGD-O2D
13	5	501	CLA	CAD-CBD-CGD-O2D
13	5	504	CLA	CAD-CBD-CGD-O2D
13	G	1102	CLA	CAD-CBD-CGD-O2D
13	G	1110	CLA	CAD-CBD-CGD-O2D
13	G	1116	CLA	CAD-CBD-CGD-O2D
13	H	1012	CLA	CAD-CBD-CGD-O2D
13	H	1201	CLA	CAD-CBD-CGD-O2D
13	H	1208	CLA	CAD-CBD-CGD-O2D
13	H	1214	CLA	CAD-CBD-CGD-O2D
13	H	1217	CLA	CAD-CBD-CGD-O2D
13	H	1218	CLA	CAD-CBD-CGD-O2D
13	H	1238	CLA	CAD-CBD-CGD-O2D
13	H	1230	CLA	CAD-CBD-CGD-O2D
13	T	1302	CLA	CAD-CBD-CGD-O2D
13	U	1105	CLA	CAD-CBD-CGD-O2D
13	Y	505	CLA	CAD-CBD-CGD-O2D
13	Y	516	CLA	CAD-CBD-CGD-O2D
13	Y	519	CLA	CAD-CBD-CGD-O2D
13	Z	513	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	Z	519	CLA	CAD-CBD-CGD-O2D
13	a	505	CLA	CAD-CBD-CGD-O2D
13	a	510	CLA	CAD-CBD-CGD-O2D
13	b	509	CLA	CAD-CBD-CGD-O2D
13	c	501	CLA	CAD-CBD-CGD-O2D
13	c	504	CLA	CAD-CBD-CGD-O2D
13	e	1102	CLA	CAD-CBD-CGD-O2D
13	e	1110	CLA	CAD-CBD-CGD-O2D
13	e	1116	CLA	CAD-CBD-CGD-O2D
13	f	1012	CLA	CAD-CBD-CGD-O2D
13	f	1201	CLA	CAD-CBD-CGD-O2D
13	f	1208	CLA	CAD-CBD-CGD-O2D
13	f	1214	CLA	CAD-CBD-CGD-O2D
13	f	1217	CLA	CAD-CBD-CGD-O2D
13	f	1218	CLA	CAD-CBD-CGD-O2D
13	f	1238	CLA	CAD-CBD-CGD-O2D
13	f	1230	CLA	CAD-CBD-CGD-O2D
13	l	1302	CLA	CAD-CBD-CGD-O2D
13	m	1105	CLA	CAD-CBD-CGD-O2D
13	q	505	CLA	CAD-CBD-CGD-O2D
13	q	516	CLA	CAD-CBD-CGD-O2D
13	q	519	CLA	CAD-CBD-CGD-O2D
13	r	513	CLA	CAD-CBD-CGD-O2D
13	r	519	CLA	CAD-CBD-CGD-O2D
13	s	505	CLA	CAD-CBD-CGD-O2D
13	s	510	CLA	CAD-CBD-CGD-O2D
13	t	509	CLA	CAD-CBD-CGD-O2D
13	u	501	CLA	CAD-CBD-CGD-O2D
13	u	504	CLA	CAD-CBD-CGD-O2D
17	B	1855	LHG	C6-C5-O7-C7
17	H	1855	LHG	C6-C5-O7-C7
17	f	1855	LHG	C6-C5-O7-C7
13	c	518	CLA	O1D-CGD-O2D-CED
13	u	518	CLA	O1D-CGD-O2D-CED
13	H	1023	CLA	C4C-C3C-CAC-CBC
17	A	5009	LHG	C34-C35-C36-C37
17	f	1842	LHG	C30-C31-C32-C33
13	A	1130	CLA	C5-C6-C7-C8
13	e	1130	CLA	C5-C6-C7-C8
13	2	513	CLA	O1A-CGA-O2A-C1
13	Z	513	CLA	O1A-CGA-O2A-C1
13	6	503	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	d	503	CLA	CBA-CGA-O2A-C1
13	v	503	CLA	CBA-CGA-O2A-C1
13	5	505	CLA	C4-C3-C5-C6
13	c	505	CLA	C4-C3-C5-C6
13	u	505	CLA	C4-C3-C5-C6
18	A	1848	LMU	O5'-C1'-O1'-C1
18	G	1848	LMU	O5'-C1'-O1'-C1
18	e	1848	LMU	O5'-C1'-O1'-C1
19	J	5104	LMG	O6-C1-O1-C7
19	T	5104	LMG	O6-C1-O1-C7
19	l	5104	LMG	O6-C1-O1-C7
20	5	822	SQD	O5-C1-O6-C44
20	c	822	SQD	O5-C1-O6-C44
20	u	822	SQD	O5-C1-O6-C44
17	A	5007	LHG	C34-C35-C36-C37
17	e	5007	LHG	C34-C35-C36-C37
20	l	822	SQD	C28-C29-C30-C31
20	Y	822	SQD	C28-C29-C30-C31
20	q	822	SQD	C28-C29-C30-C31
17	A	5008	LHG	C4-C5-C6-O8
17	A	5009	LHG	C5-C4-O6-P
17	L	5221	LHG	C4-C5-C6-O8
17	G	5008	LHG	C4-C5-C6-O8
17	G	5009	LHG	C5-C4-O6-P
17	V	5221	LHG	C4-C5-C6-O8
17	e	5008	LHG	C4-C5-C6-O8
17	e	5009	LHG	C5-C4-O6-P
17	k	5001	LHG	C2-C3-O3-P
17	n	5221	LHG	C4-C5-C6-O8
19	J	5104	LMG	C7-C8-C9-O8
19	T	5104	LMG	C7-C8-C9-O8
19	l	5104	LMG	C7-C8-C9-O8
20	L	5216	SQD	C44-C45-C46-O48
20	l	822	SQD	O6-C44-C45-C46
20	V	5216	SQD	C44-C45-C46-O48
20	Y	822	SQD	O6-C44-C45-C46
20	n	5216	SQD	C44-C45-C46-O48
20	q	822	SQD	O6-C44-C45-C46
13	l	501	CLA	O1A-CGA-O2A-C1
13	3	508	CLA	O1A-CGA-O2A-C1
13	e	1103	CLA	O1A-CGA-O2A-C1
13	s	508	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	A	5002	LHG	O6-C4-C5-O7
17	L	5218	LHG	O6-C4-C5-O7
17	G	5002	LHG	O6-C4-C5-O7
17	V	5218	LHG	O6-C4-C5-O7
17	e	5002	LHG	O6-C4-C5-O7
17	n	5218	LHG	O6-C4-C5-O7
13	B	1215	CLA	C5-C6-C7-C8
17	G	5007	LHG	C34-C35-C36-C37
13	H	1215	CLA	C5-C6-C7-C8
13	u	509	CLA	C5-C6-C7-C8
17	A	5002	LHG	C33-C34-C35-C36
17	G	5002	LHG	C33-C34-C35-C36
17	e	5002	LHG	C33-C34-C35-C36
13	a	508	CLA	O1A-CGA-O2A-C1
17	A	5001	LHG	C14-C15-C16-C17
20	B	1852	SQD	O49-C7-O47-C45
20	H	1852	SQD	O49-C7-O47-C45
20	f	1852	SQD	O49-C7-O47-C45
13	A	1106	CLA	CHA-CBD-CGD-O1D
13	A	1106	CLA	CHA-CBD-CGD-O2D
13	A	1108	CLA	CHA-CBD-CGD-O1D
13	A	1111	CLA	CHA-CBD-CGD-O1D
13	A	1118	CLA	CHA-CBD-CGD-O1D
13	A	1128	CLA	CHA-CBD-CGD-O1D
13	A	1128	CLA	CHA-CBD-CGD-O2D
13	A	1132	CLA	CHA-CBD-CGD-O1D
13	A	1801	CLA	CHA-CBD-CGD-O1D
13	B	1021	CLA	CHA-CBD-CGD-O2D
13	B	1202	CLA	CHA-CBD-CGD-O1D
13	B	1205	CLA	CHA-CBD-CGD-O1D
13	B	1205	CLA	CHA-CBD-CGD-O2D
13	B	1222	CLA	CHA-CBD-CGD-O1D
13	B	1222	CLA	CHA-CBD-CGD-O2D
13	B	1207	CLA	CHA-CBD-CGD-O1D
13	B	1207	CLA	CHA-CBD-CGD-O2D
13	J	1303	CLA	CHA-CBD-CGD-O1D
13	J	1303	CLA	CHA-CBD-CGD-O2D
13	K	1103	CLA	CHA-CBD-CGD-O1D
13	K	1103	CLA	CHA-CBD-CGD-O2D
13	1	502	CLA	CHA-CBD-CGD-O1D
13	1	503	CLA	CHA-CBD-CGD-O1D
13	1	503	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	1	504	CLA	CHA-CBD-CGD-O1D
13	1	504	CLA	CHA-CBD-CGD-O2D
13	2	502	CLA	CHA-CBD-CGD-O2D
13	2	503	CLA	CHA-CBD-CGD-O1D
13	2	503	CLA	CHA-CBD-CGD-O2D
13	2	506	CLA	CHA-CBD-CGD-O1D
13	2	506	CLA	CHA-CBD-CGD-O2D
13	2	507	CLA	CHA-CBD-CGD-O1D
13	2	507	CLA	CHA-CBD-CGD-O2D
13	2	517	CLA	CHA-CBD-CGD-O1D
13	3	503	CLA	CHA-CBD-CGD-O1D
13	3	503	CLA	CHA-CBD-CGD-O2D
13	3	504	CLA	CHA-CBD-CGD-O1D
13	3	504	CLA	CHA-CBD-CGD-O2D
13	3	506	CLA	CHA-CBD-CGD-O1D
13	3	506	CLA	CHA-CBD-CGD-O2D
13	3	507	CLA	CHA-CBD-CGD-O1D
13	3	517	CLA	CHA-CBD-CGD-O1D
13	3	517	CLA	CHA-CBD-CGD-O2D
13	4	501	CLA	CHA-CBD-CGD-O2D
13	4	502	CLA	CHA-CBD-CGD-O1D
13	4	502	CLA	CHA-CBD-CGD-O2D
13	4	504	CLA	CHA-CBD-CGD-O1D
13	4	504	CLA	CHA-CBD-CGD-O2D
13	4	507	CLA	CHA-CBD-CGD-O1D
13	4	507	CLA	CHA-CBD-CGD-O2D
13	4	516	CLA	CHA-CBD-CGD-O1D
13	5	503	CLA	CHA-CBD-CGD-O1D
13	5	503	CLA	CHA-CBD-CGD-O2D
13	5	510	CLA	CHA-CBD-CGD-O1D
13	5	510	CLA	CHA-CBD-CGD-O2D
13	6	503	CLA	CHA-CBD-CGD-O1D
13	6	503	CLA	CHA-CBD-CGD-O2D
13	G	1106	CLA	CHA-CBD-CGD-O1D
13	G	1106	CLA	CHA-CBD-CGD-O2D
13	G	1108	CLA	CHA-CBD-CGD-O1D
13	G	1108	CLA	CHA-CBD-CGD-O2D
13	G	1111	CLA	CHA-CBD-CGD-O1D
13	G	1118	CLA	CHA-CBD-CGD-O1D
13	G	1128	CLA	CHA-CBD-CGD-O1D
13	G	1128	CLA	CHA-CBD-CGD-O2D
13	G	1132	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	G	1801	CLA	CHA-CBD-CGD-O1D
13	H	1021	CLA	CHA-CBD-CGD-O2D
13	H	1202	CLA	CHA-CBD-CGD-O1D
13	H	1205	CLA	CHA-CBD-CGD-O1D
13	H	1205	CLA	CHA-CBD-CGD-O2D
13	H	1222	CLA	CHA-CBD-CGD-O1D
13	H	1222	CLA	CHA-CBD-CGD-O2D
13	H	1207	CLA	CHA-CBD-CGD-O1D
13	H	1207	CLA	CHA-CBD-CGD-O2D
13	T	1303	CLA	CHA-CBD-CGD-O1D
13	T	1303	CLA	CHA-CBD-CGD-O2D
13	U	1103	CLA	CHA-CBD-CGD-O1D
13	U	1103	CLA	CHA-CBD-CGD-O2D
13	Y	502	CLA	CHA-CBD-CGD-O1D
13	Y	503	CLA	CHA-CBD-CGD-O1D
13	Y	503	CLA	CHA-CBD-CGD-O2D
13	Y	504	CLA	CHA-CBD-CGD-O1D
13	Y	504	CLA	CHA-CBD-CGD-O2D
13	Z	502	CLA	CHA-CBD-CGD-O2D
13	Z	503	CLA	CHA-CBD-CGD-O1D
13	Z	503	CLA	CHA-CBD-CGD-O2D
13	Z	506	CLA	CHA-CBD-CGD-O1D
13	Z	506	CLA	CHA-CBD-CGD-O2D
13	Z	507	CLA	CHA-CBD-CGD-O1D
13	Z	507	CLA	CHA-CBD-CGD-O2D
13	Z	517	CLA	CHA-CBD-CGD-O1D
13	a	503	CLA	CHA-CBD-CGD-O1D
13	a	503	CLA	CHA-CBD-CGD-O2D
13	a	504	CLA	CHA-CBD-CGD-O1D
13	a	504	CLA	CHA-CBD-CGD-O2D
13	a	506	CLA	CHA-CBD-CGD-O1D
13	a	506	CLA	CHA-CBD-CGD-O2D
13	a	507	CLA	CHA-CBD-CGD-O1D
13	a	517	CLA	CHA-CBD-CGD-O1D
13	a	517	CLA	CHA-CBD-CGD-O2D
13	b	501	CLA	CHA-CBD-CGD-O1D
13	b	501	CLA	CHA-CBD-CGD-O2D
13	b	502	CLA	CHA-CBD-CGD-O1D
13	b	502	CLA	CHA-CBD-CGD-O2D
13	b	504	CLA	CHA-CBD-CGD-O1D
13	b	504	CLA	CHA-CBD-CGD-O2D
13	b	507	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	b	507	CLA	CHA-CBD-CGD-O2D
13	b	516	CLA	CHA-CBD-CGD-O1D
13	c	503	CLA	CHA-CBD-CGD-O1D
13	c	503	CLA	CHA-CBD-CGD-O2D
13	c	510	CLA	CHA-CBD-CGD-O1D
13	c	510	CLA	CHA-CBD-CGD-O2D
13	d	503	CLA	CHA-CBD-CGD-O1D
13	d	503	CLA	CHA-CBD-CGD-O2D
13	e	1106	CLA	CHA-CBD-CGD-O1D
13	e	1106	CLA	CHA-CBD-CGD-O2D
13	e	1108	CLA	CHA-CBD-CGD-O1D
13	e	1111	CLA	CHA-CBD-CGD-O1D
13	e	1118	CLA	CHA-CBD-CGD-O1D
13	e	1128	CLA	CHA-CBD-CGD-O1D
13	e	1128	CLA	CHA-CBD-CGD-O2D
13	e	1132	CLA	CHA-CBD-CGD-O1D
13	e	1801	CLA	CHA-CBD-CGD-O1D
13	f	1021	CLA	CHA-CBD-CGD-O2D
13	f	1202	CLA	CHA-CBD-CGD-O1D
13	f	1205	CLA	CHA-CBD-CGD-O1D
13	f	1205	CLA	CHA-CBD-CGD-O2D
13	f	1222	CLA	CHA-CBD-CGD-O1D
13	f	1222	CLA	CHA-CBD-CGD-O2D
13	f	1207	CLA	CHA-CBD-CGD-O1D
13	f	1207	CLA	CHA-CBD-CGD-O2D
13	l	1303	CLA	CHA-CBD-CGD-O1D
13	l	1303	CLA	CHA-CBD-CGD-O2D
13	m	1103	CLA	CHA-CBD-CGD-O1D
13	m	1103	CLA	CHA-CBD-CGD-O2D
13	q	502	CLA	CHA-CBD-CGD-O1D
13	q	503	CLA	CHA-CBD-CGD-O1D
13	q	503	CLA	CHA-CBD-CGD-O2D
13	q	504	CLA	CHA-CBD-CGD-O1D
13	q	504	CLA	CHA-CBD-CGD-O2D
13	r	502	CLA	CHA-CBD-CGD-O2D
13	r	503	CLA	CHA-CBD-CGD-O1D
13	r	503	CLA	CHA-CBD-CGD-O2D
13	r	506	CLA	CHA-CBD-CGD-O1D
13	r	506	CLA	CHA-CBD-CGD-O2D
13	r	507	CLA	CHA-CBD-CGD-O1D
13	r	507	CLA	CHA-CBD-CGD-O2D
13	r	517	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	s	503	CLA	CHA-CBD-CGD-O1D
13	s	503	CLA	CHA-CBD-CGD-O2D
13	s	504	CLA	CHA-CBD-CGD-O1D
13	s	504	CLA	CHA-CBD-CGD-O2D
13	s	506	CLA	CHA-CBD-CGD-O1D
13	s	506	CLA	CHA-CBD-CGD-O2D
13	s	507	CLA	CHA-CBD-CGD-O1D
13	s	517	CLA	CHA-CBD-CGD-O1D
13	s	517	CLA	CHA-CBD-CGD-O2D
13	t	501	CLA	CHA-CBD-CGD-O2D
13	t	502	CLA	CHA-CBD-CGD-O1D
13	t	502	CLA	CHA-CBD-CGD-O2D
13	t	504	CLA	CHA-CBD-CGD-O1D
13	t	504	CLA	CHA-CBD-CGD-O2D
13	t	507	CLA	CHA-CBD-CGD-O1D
13	t	507	CLA	CHA-CBD-CGD-O2D
13	t	516	CLA	CHA-CBD-CGD-O1D
13	u	503	CLA	CHA-CBD-CGD-O1D
13	u	503	CLA	CHA-CBD-CGD-O2D
13	u	510	CLA	CHA-CBD-CGD-O1D
13	u	510	CLA	CHA-CBD-CGD-O2D
13	v	503	CLA	CHA-CBD-CGD-O1D
13	v	503	CLA	CHA-CBD-CGD-O2D
13	5	509	CLA	C5-C6-C7-C8
13	c	509	CLA	C5-C6-C7-C8
17	e	5001	LHG	C14-C15-C16-C17
13	2	508	CLA	O1D-CGD-O2D-CED
13	r	508	CLA	O1D-CGD-O2D-CED
13	B	1217	CLA	C3-C5-C6-C7
13	2	506	CLA	C3-C5-C6-C7
13	H	1217	CLA	C3-C5-C6-C7
13	Z	506	CLA	C3-C5-C6-C7
13	f	1217	CLA	C3-C5-C6-C7
13	r	506	CLA	C3-C5-C6-C7
13	A	1103	CLA	O1A-CGA-O2A-C1
13	G	1103	CLA	O1A-CGA-O2A-C1
13	Y	501	CLA	O1A-CGA-O2A-C1
13	q	501	CLA	O1A-CGA-O2A-C1
17	G	5001	LHG	C14-C15-C16-C17
18	2	901	LMU	C5-C6-C7-C8
18	r	901	LMU	C5-C6-C7-C8
13	A	1122	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	G	1122	CLA	O1D-CGD-O2D-CED
13	Z	508	CLA	O1D-CGD-O2D-CED
13	e	1122	CLA	O1D-CGD-O2D-CED
13	f	1215	CLA	C5-C6-C7-C8
18	Z	901	LMU	C5-C6-C7-C8
17	A	5007	LHG	O7-C5-C6-O8
17	L	5220	LHG	O7-C5-C6-O8
17	G	5007	LHG	O7-C5-C6-O8
17	V	5220	LHG	O7-C5-C6-O8
17	e	5007	LHG	O7-C5-C6-O8
17	n	5220	LHG	O7-C5-C6-O8
20	B	1852	SQD	O6-C44-C45-O47
20	2	822	SQD	O47-C45-C46-O48
20	4	822	SQD	O47-C45-C46-O48
20	H	1852	SQD	O6-C44-C45-O47
20	Z	822	SQD	O47-C45-C46-O48
20	b	822	SQD	O47-C45-C46-O48
20	f	1852	SQD	O6-C44-C45-O47
20	r	822	SQD	O47-C45-C46-O48
20	t	822	SQD	O47-C45-C46-O48
13	B	1212	CLA	C5-C6-C7-C8
13	H	1212	CLA	C5-C6-C7-C8
13	H	1223	CLA	C5-C6-C7-C8
13	f	1212	CLA	C5-C6-C7-C8
13	1	507	CLA	O1A-CGA-O2A-C1
13	Y	507	CLA	O1A-CGA-O2A-C1
17	B	1855	LHG	C18-C19-C20-C21
17	f	1855	LHG	C18-C19-C20-C21
17	A	5001	LHG	O1-C1-C2-O2
17	L	5221	LHG	O1-C1-C2-O2
17	G	5001	LHG	O1-C1-C2-O2
17	V	5221	LHG	O1-C1-C2-O2
17	e	5001	LHG	O1-C1-C2-O2
17	n	5221	LHG	O1-C1-C2-O2
17	H	1855	LHG	C18-C19-C20-C21
13	B	1204	CLA	C4-C3-C5-C6
13	H	1204	CLA	C4-C3-C5-C6
13	f	1204	CLA	C4-C3-C5-C6
13	A	1108	CLA	C6-C7-C8-C9
13	G	1108	CLA	C6-C7-C8-C9
13	4	518	CLA	O1A-CGA-O2A-C1
13	q	507	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	L	1501	CLA	C2-C3-C5-C6
13	V	1501	CLA	C2-C3-C5-C6
13	e	1108	CLA	C6-C7-C8-C9
13	B	1202	CLA	C15-C16-C17-C18
13	B	1223	CLA	C5-C6-C7-C8
13	f	1202	CLA	C15-C16-C17-C18
13	f	1223	CLA	C5-C6-C7-C8
13	A	1104	CLA	C14-C13-C15-C16
13	A	1106	CLA	C11-C12-C13-C14
13	B	1210	CLA	C11-C12-C13-C14
13	B	1214	CLA	C11-C12-C13-C14
13	G	1104	CLA	C14-C13-C15-C16
13	G	1106	CLA	C11-C12-C13-C14
13	H	1210	CLA	C11-C12-C13-C14
13	H	1214	CLA	C11-C12-C13-C14
13	R	1301	CLA	C6-C7-C8-C9
13	e	1104	CLA	C14-C13-C15-C16
13	e	1106	CLA	C11-C12-C13-C14
13	f	1210	CLA	C11-C12-C13-C14
13	f	1214	CLA	C11-C12-C13-C14
13	j	1301	CLA	C6-C7-C8-C9
13	2	505	CLA	O1D-CGD-O2D-CED
13	B	1236	CLA	O1A-CGA-O2A-C1
13	G	1125	CLA	O1A-CGA-O2A-C1
13	H	1236	CLA	O1A-CGA-O2A-C1
13	b	518	CLA	O1A-CGA-O2A-C1
13	e	1125	CLA	O1A-CGA-O2A-C1
13	f	1236	CLA	O1A-CGA-O2A-C1
13	t	518	CLA	O1A-CGA-O2A-C1
13	H	1202	CLA	C15-C16-C17-C18
20	4	822	SQD	C5-C6-S-O8
20	b	822	SQD	C5-C6-S-O8
20	t	822	SQD	C5-C6-S-O8
13	r	505	CLA	O1D-CGD-O2D-CED
13	A	1121	CLA	CAA-CBA-CGA-O2A
13	G	1121	CLA	CAA-CBA-CGA-O2A
13	e	1121	CLA	CAA-CBA-CGA-O2A
13	A	1125	CLA	O1A-CGA-O2A-C1
13	F	1301	CLA	O1A-CGA-O2A-C1
13	R	1301	CLA	O1A-CGA-O2A-C1
13	j	1301	CLA	O1A-CGA-O2A-C1
16	6	521	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
16	d	521	BCR	C7-C8-C9-C34
16	v	521	BCR	C7-C8-C9-C34
13	B	1234	CLA	C15-C16-C17-C18
13	H	1234	CLA	C15-C16-C17-C18
13	f	1234	CLA	C15-C16-C17-C18
16	3	524	BCR	C21-C22-C23-C24
16	4	521	BCR	C17-C18-C19-C20
16	a	524	BCR	C21-C22-C23-C24
16	b	521	BCR	C17-C18-C19-C20
16	s	524	BCR	C21-C22-C23-C24
16	t	521	BCR	C17-C18-C19-C20
13	Z	505	CLA	O1D-CGD-O2D-CED
13	A	1129	CLA	C1A-C2A-CAA-CBA
13	A	1022	CLA	C1A-C2A-CAA-CBA
13	1	508	CLA	C1A-C2A-CAA-CBA
13	3	501	CLA	C1A-C2A-CAA-CBA
13	3	516	CLA	C1A-C2A-CAA-CBA
13	4	501	CLA	C1A-C2A-CAA-CBA
13	5	503	CLA	C1A-C2A-CAA-CBA
13	G	1129	CLA	C1A-C2A-CAA-CBA
13	G	1022	CLA	C1A-C2A-CAA-CBA
13	Y	508	CLA	C1A-C2A-CAA-CBA
13	Z	503	CLA	C1A-C2A-CAA-CBA
13	a	501	CLA	C1A-C2A-CAA-CBA
13	a	516	CLA	C1A-C2A-CAA-CBA
13	b	501	CLA	C1A-C2A-CAA-CBA
13	c	503	CLA	C1A-C2A-CAA-CBA
13	e	1129	CLA	C1A-C2A-CAA-CBA
13	e	1022	CLA	C1A-C2A-CAA-CBA
13	q	508	CLA	C1A-C2A-CAA-CBA
13	s	501	CLA	C1A-C2A-CAA-CBA
13	s	516	CLA	C1A-C2A-CAA-CBA
13	t	501	CLA	C1A-C2A-CAA-CBA
13	u	503	CLA	C1A-C2A-CAA-CBA
13	B	1201	CLA	C11-C12-C13-C14
13	f	1201	CLA	C11-C12-C13-C14
13	A	1125	CLA	CBA-CGA-O2A-C1
13	B	1021	CLA	CBA-CGA-O2A-C1
13	4	509	CLA	CBA-CGA-O2A-C1
13	G	1125	CLA	CBA-CGA-O2A-C1
13	H	1021	CLA	CBA-CGA-O2A-C1
13	b	509	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	e	1125	CLA	CBA-CGA-O2A-C1
13	f	1021	CLA	CBA-CGA-O2A-C1
13	t	509	CLA	CBA-CGA-O2A-C1
16	J	4015	BCR	C15-C16-C17-C18
16	3	522	BCR	C9-C10-C11-C12
16	T	4015	BCR	C15-C16-C17-C18
16	a	522	BCR	C9-C10-C11-C12
16	l	4015	BCR	C15-C16-C17-C18
16	s	522	BCR	C9-C10-C11-C12
13	B	1223	CLA	O1D-CGD-O2D-CED
13	f	1223	CLA	O1D-CGD-O2D-CED
17	A	5007	LHG	C3-O3-P-O6
17	G	5007	LHG	C3-O3-P-O6
17	e	5007	LHG	C3-O3-P-O6
17	A	5005	LHG	C12-C13-C14-C15
17	G	5005	LHG	C12-C13-C14-C15
17	e	5005	LHG	C12-C13-C14-C15
13	H	1223	CLA	O1D-CGD-O2D-CED
13	5	503	CLA	C4-C3-C5-C6
13	c	503	CLA	C4-C3-C5-C6
13	u	503	CLA	C4-C3-C5-C6
13	A	1123	CLA	C15-C16-C17-C18
13	e	1123	CLA	C15-C16-C17-C18
17	I	5001	LHG	C2-C3-O3-P
17	S	5001	LHG	C2-C3-O3-P
13	A	1108	CLA	C2-C3-C5-C6
13	A	1137	CLA	C2-C3-C5-C6
13	J	1303	CLA	C2-C3-C5-C6
13	G	1108	CLA	C2-C3-C5-C6
13	G	1137	CLA	C2-C3-C5-C6
13	e	1108	CLA	C2-C3-C5-C6
13	e	1137	CLA	C2-C3-C5-C6
13	l	1303	CLA	C2-C3-C5-C6
13	n	1501	CLA	C2-C3-C5-C6
13	4	509	CLA	O1A-CGA-O2A-C1
13	b	509	CLA	O1A-CGA-O2A-C1
17	A	5002	LHG	C3-O3-P-O5
17	A	5002	LHG	C4-O6-P-O4
17	A	5007	LHG	C3-O3-P-O4
17	A	5008	LHG	C4-O6-P-O4
17	B	1855	LHG	C3-O3-P-O5
17	B	1855	LHG	C4-O6-P-O4

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Mol	Chain	Res	Type	Atoms
17	I	5001	LHG	C4-O6-P-O4
17	L	5221	LHG	C3-O3-P-O4
17	G	5002	LHG	C3-O3-P-O5
17	G	5002	LHG	C4-O6-P-O4
17	G	5005	LHG	C3-O3-P-O5
17	G	5007	LHG	C3-O3-P-O4
17	G	5008	LHG	C4-O6-P-O4
17	H	1855	LHG	C3-O3-P-O5
17	H	1855	LHG	C4-O6-P-O4
17	S	5001	LHG	C4-O6-P-O4
17	V	5221	LHG	C3-O3-P-O4
17	e	5002	LHG	C3-O3-P-O5
17	e	5002	LHG	C4-O6-P-O4
17	e	5007	LHG	C3-O3-P-O4
17	e	5008	LHG	C4-O6-P-O4
17	f	1855	LHG	C3-O3-P-O5
17	f	1855	LHG	C4-O6-P-O4
17	k	5001	LHG	C4-O6-P-O4
17	n	5221	LHG	C3-O3-P-O4
13	H	1201	CLA	C11-C12-C13-C14
13	2	508	CLA	C5-C6-C7-C8
13	5	501	CLA	C15-C16-C17-C18
13	G	1123	CLA	C15-C16-C17-C18
13	Z	508	CLA	C5-C6-C7-C8
13	a	501	CLA	C15-C16-C17-C18
13	c	501	CLA	C15-C16-C17-C18
13	r	508	CLA	C5-C6-C7-C8
13	u	501	CLA	C15-C16-C17-C18
13	L	1501	CLA	CBA-CGA-O2A-C1
13	V	1501	CLA	CBA-CGA-O2A-C1
17	B	1855	LHG	O6-C4-C5-C6
17	H	1855	LHG	O6-C4-C5-C6
17	f	1855	LHG	O6-C4-C5-C6
13	t	509	CLA	O1A-CGA-O2A-C1
13	3	501	CLA	C15-C16-C17-C18
13	s	501	CLA	C15-C16-C17-C18
13	B	1213	CLA	C2A-CAA-CBA-CGA
13	2	517	CLA	C2A-CAA-CBA-CGA
13	H	1213	CLA	C2A-CAA-CBA-CGA
13	Y	513	CLA	C2A-CAA-CBA-CGA
13	Z	517	CLA	C2A-CAA-CBA-CGA
13	f	1213	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	r	517	CLA	C2A-CAA-CBA-CGA
13	L	1502	CLA	C3-C5-C6-C7
13	V	1502	CLA	C3-C5-C6-C7
13	n	1502	CLA	C3-C5-C6-C7
13	A	1013	CLA	C16-C17-C18-C19
13	G	1013	CLA	C16-C17-C18-C19
13	e	1013	CLA	C16-C17-C18-C19
13	A	1011	CLA	CAD-CBD-CGD-O1D
13	A	1801	CLA	CAD-CBD-CGD-O1D
13	B	1202	CLA	CAD-CBD-CGD-O1D
13	B	1207	CLA	CAD-CBD-CGD-O1D
13	K	1103	CLA	CAD-CBD-CGD-O1D
13	1	502	CLA	CAD-CBD-CGD-O1D
13	1	503	CLA	CAD-CBD-CGD-O1D
13	1	504	CLA	CAD-CBD-CGD-O1D
13	1	506	CLA	CAD-CBD-CGD-O1D
13	2	502	CLA	CAD-CBD-CGD-O1D
13	2	503	CLA	CAD-CBD-CGD-O1D
13	2	506	CLA	CAD-CBD-CGD-O1D
13	2	518	CLA	CAD-CBD-CGD-O1D
13	3	503	CLA	CAD-CBD-CGD-O1D
13	3	504	CLA	CAD-CBD-CGD-O1D
13	3	506	CLA	CAD-CBD-CGD-O1D
13	3	507	CLA	CAD-CBD-CGD-O1D
13	3	517	CLA	CAD-CBD-CGD-O1D
13	3	518	CLA	CAD-CBD-CGD-O1D
13	4	504	CLA	CAD-CBD-CGD-O1D
13	5	503	CLA	CAD-CBD-CGD-O1D
13	5	506	CLA	CAD-CBD-CGD-O1D
13	5	510	CLA	CAD-CBD-CGD-O1D
13	5	517	CLA	CAD-CBD-CGD-O1D
13	6	503	CLA	CAD-CBD-CGD-O1D
13	6	504	CLA	CAD-CBD-CGD-O1D
13	6	506	CLA	CAD-CBD-CGD-O1D
13	6	510	CLA	CAD-CBD-CGD-O1D
13	6	518	CLA	CAD-CBD-CGD-O1D
13	G	1011	CLA	CAD-CBD-CGD-O1D
13	G	1801	CLA	CAD-CBD-CGD-O1D
13	H	1202	CLA	CAD-CBD-CGD-O1D
13	H	1207	CLA	CAD-CBD-CGD-O1D
13	U	1103	CLA	CAD-CBD-CGD-O1D
13	Y	502	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	Y	503	CLA	CAD-CBD-CGD-O1D
13	Y	504	CLA	CAD-CBD-CGD-O1D
13	Y	506	CLA	CAD-CBD-CGD-O1D
13	Z	502	CLA	CAD-CBD-CGD-O1D
13	Z	503	CLA	CAD-CBD-CGD-O1D
13	Z	506	CLA	CAD-CBD-CGD-O1D
13	Z	518	CLA	CAD-CBD-CGD-O1D
13	a	503	CLA	CAD-CBD-CGD-O1D
13	a	504	CLA	CAD-CBD-CGD-O1D
13	a	506	CLA	CAD-CBD-CGD-O1D
13	a	507	CLA	CAD-CBD-CGD-O1D
13	a	516	CLA	CAD-CBD-CGD-O1D
13	a	517	CLA	CAD-CBD-CGD-O1D
13	a	518	CLA	CAD-CBD-CGD-O1D
13	b	504	CLA	CAD-CBD-CGD-O1D
13	c	503	CLA	CAD-CBD-CGD-O1D
13	c	506	CLA	CAD-CBD-CGD-O1D
13	c	510	CLA	CAD-CBD-CGD-O1D
13	c	517	CLA	CAD-CBD-CGD-O1D
13	d	503	CLA	CAD-CBD-CGD-O1D
13	d	504	CLA	CAD-CBD-CGD-O1D
13	d	506	CLA	CAD-CBD-CGD-O1D
13	d	510	CLA	CAD-CBD-CGD-O1D
13	d	518	CLA	CAD-CBD-CGD-O1D
13	e	1011	CLA	CAD-CBD-CGD-O1D
13	e	1801	CLA	CAD-CBD-CGD-O1D
13	f	1202	CLA	CAD-CBD-CGD-O1D
13	f	1207	CLA	CAD-CBD-CGD-O1D
13	m	1103	CLA	CAD-CBD-CGD-O1D
13	q	502	CLA	CAD-CBD-CGD-O1D
13	q	503	CLA	CAD-CBD-CGD-O1D
13	q	504	CLA	CAD-CBD-CGD-O1D
13	q	506	CLA	CAD-CBD-CGD-O1D
13	r	502	CLA	CAD-CBD-CGD-O1D
13	r	503	CLA	CAD-CBD-CGD-O1D
13	r	506	CLA	CAD-CBD-CGD-O1D
13	r	518	CLA	CAD-CBD-CGD-O1D
13	s	503	CLA	CAD-CBD-CGD-O1D
13	s	504	CLA	CAD-CBD-CGD-O1D
13	s	506	CLA	CAD-CBD-CGD-O1D
13	s	507	CLA	CAD-CBD-CGD-O1D
13	s	517	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	s	518	CLA	CAD-CBD-CGD-O1D
13	t	504	CLA	CAD-CBD-CGD-O1D
13	u	503	CLA	CAD-CBD-CGD-O1D
13	u	506	CLA	CAD-CBD-CGD-O1D
13	u	510	CLA	CAD-CBD-CGD-O1D
13	u	517	CLA	CAD-CBD-CGD-O1D
13	v	503	CLA	CAD-CBD-CGD-O1D
13	v	504	CLA	CAD-CBD-CGD-O1D
13	v	506	CLA	CAD-CBD-CGD-O1D
13	v	510	CLA	CAD-CBD-CGD-O1D
13	v	518	CLA	CAD-CBD-CGD-O1D
13	6	503	CLA	O1A-CGA-O2A-C1
13	d	503	CLA	O1A-CGA-O2A-C1
13	e	1237	CLA	C5-C6-C7-C8
13	B	1213	CLA	CBA-CGA-O2A-C1
13	n	1501	CLA	CBA-CGA-O2A-C1
13	v	503	CLA	O1A-CGA-O2A-C1
17	n	5218	LHG	C30-C31-C32-C33
13	A	1102	CLA	C16-C17-C18-C20
13	G	1102	CLA	C16-C17-C18-C20
13	e	1102	CLA	C16-C17-C18-C20
13	A	1104	CLA	C12-C13-C15-C16
13	B	1012	CLA	C12-C13-C15-C16
13	B	1208	CLA	C11-C12-C13-C15
13	B	1208	CLA	C12-C13-C15-C16
13	B	1210	CLA	C2-C3-C5-C6
13	B	1234	CLA	C12-C13-C15-C16
13	F	1301	CLA	C6-C7-C8-C10
13	J	1303	CLA	C6-C7-C8-C10
13	K	1401	CLA	C3A-C2A-CAA-CBA
13	1	502	CLA	C11-C10-C8-C7
13	2	513	CLA	C11-C10-C8-C7
13	3	505	CLA	C6-C7-C8-C10
13	3	505	CLA	C12-C13-C15-C16
13	3	513	CLA	C12-C13-C15-C16
13	6	505	CLA	C11-C12-C13-C15
13	G	1104	CLA	C12-C13-C15-C16
13	H	1012	CLA	C12-C13-C15-C16
13	H	1208	CLA	C11-C12-C13-C15
13	H	1208	CLA	C12-C13-C15-C16
13	H	1210	CLA	C2-C3-C5-C6
13	H	1234	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	R	1301	CLA	C6-C7-C8-C10
13	T	1303	CLA	C2-C3-C5-C6
13	T	1303	CLA	C6-C7-C8-C10
13	U	1401	CLA	C3A-C2A-CAA-CBA
13	Y	502	CLA	C11-C10-C8-C7
13	Z	513	CLA	C11-C10-C8-C7
13	a	505	CLA	C6-C7-C8-C10
13	a	505	CLA	C12-C13-C15-C16
13	a	513	CLA	C12-C13-C15-C16
13	d	505	CLA	C11-C12-C13-C15
13	e	1104	CLA	C12-C13-C15-C16
13	f	1012	CLA	C12-C13-C15-C16
13	f	1208	CLA	C11-C12-C13-C15
13	f	1208	CLA	C12-C13-C15-C16
13	f	1210	CLA	C2-C3-C5-C6
13	f	1234	CLA	C12-C13-C15-C16
13	j	1301	CLA	C6-C7-C8-C10
13	l	1303	CLA	C6-C7-C8-C10
13	m	1401	CLA	C3A-C2A-CAA-CBA
13	q	502	CLA	C11-C10-C8-C7
13	r	513	CLA	C11-C10-C8-C7
13	s	505	CLA	C6-C7-C8-C10
13	s	505	CLA	C12-C13-C15-C16
13	s	513	CLA	C12-C13-C15-C16
13	u	509	CLA	C11-C12-C13-C15
13	v	505	CLA	C11-C12-C13-C15
14	B	2002	PQN	C21-C22-C23-C25
14	H	2002	PQN	C21-C22-C23-C25
14	f	2002	PQN	C21-C22-C23-C25
17	A	5005	LHG	O6-C4-C5-O7
17	A	5007	LHG	O6-C4-C5-O7
17	G	5005	LHG	O6-C4-C5-O7
17	G	5007	LHG	O6-C4-C5-O7
17	e	5005	LHG	O6-C4-C5-O7
17	e	5007	LHG	O6-C4-C5-O7
17	L	5218	LHG	C30-C31-C32-C33
17	V	5218	LHG	C30-C31-C32-C33
13	A	1237	CLA	C5-C6-C7-C8
13	G	1237	CLA	C5-C6-C7-C8
18	2	901	LMU	C2-C1-O1'-C1'
18	r	901	LMU	C2-C1-O1'-C1'
13	B	1228	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
13	H	1228	CLA	CAA-CBA-CGA-O2A
13	f	1228	CLA	CAA-CBA-CGA-O2A
18	1	902	LMU	C3-C4-C5-C6
18	Y	902	LMU	C3-C4-C5-C6
18	q	902	LMU	C3-C4-C5-C6
13	f	1213	CLA	CBA-CGA-O2A-C1
13	H	1211	CLA	O1A-CGA-O2A-C1
13	B	1234	CLA	C5-C6-C7-C8
13	2	519	CLA	C5-C6-C7-C8
13	H	1234	CLA	C5-C6-C7-C8
13	Z	519	CLA	C5-C6-C7-C8
13	f	1234	CLA	C5-C6-C7-C8
13	r	505	CLA	C5-C6-C7-C8
13	r	519	CLA	C5-C6-C7-C8
13	1	513	CLA	C2A-CAA-CBA-CGA
13	q	513	CLA	C2A-CAA-CBA-CGA
13	B	1229	CLA	CAA-CBA-CGA-O2A
13	H	1229	CLA	CAA-CBA-CGA-O2A
13	f	1229	CLA	CAA-CBA-CGA-O2A
17	A	5006	LHG	C4-C5-C6-O8
17	G	5006	LHG	C4-C5-C6-O8
17	e	5006	LHG	C4-C5-C6-O8
20	L	5216	SQD	O6-C44-C45-C46
20	2	822	SQD	C44-C45-C46-O48
20	3	822	SQD	O6-C44-C45-C46
20	3	822	SQD	C44-C45-C46-O48
20	V	5216	SQD	O6-C44-C45-C46
20	Z	822	SQD	C44-C45-C46-O48
20	a	822	SQD	O6-C44-C45-C46
20	a	822	SQD	C44-C45-C46-O48
20	n	5216	SQD	O6-C44-C45-C46
20	r	822	SQD	C44-C45-C46-O48
20	s	822	SQD	O6-C44-C45-C46
20	s	822	SQD	C44-C45-C46-O48
13	B	1211	CLA	O1A-CGA-O2A-C1
13	f	1211	CLA	O1A-CGA-O2A-C1
17	A	5002	LHG	O7-C5-C6-O8
17	A	5004	LHG	O7-C5-C6-O8
17	A	5005	LHG	O7-C5-C6-O8
17	L	5221	LHG	O7-C5-C6-O8
17	G	5002	LHG	O7-C5-C6-O8
17	G	5004	LHG	O7-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
17	G	5005	LHG	O7-C5-C6-O8
17	V	5221	LHG	O7-C5-C6-O8
17	e	5002	LHG	O7-C5-C6-O8
17	e	5004	LHG	O7-C5-C6-O8
17	e	5005	LHG	O7-C5-C6-O8
17	n	5221	LHG	O7-C5-C6-O8
20	3	822	SQD	O6-C44-C45-O47
20	6	822	SQD	O47-C45-C46-O48
20	a	822	SQD	O6-C44-C45-O47
20	d	822	SQD	O47-C45-C46-O48
20	s	822	SQD	O6-C44-C45-O47
20	v	822	SQD	O47-C45-C46-O48
13	H	1213	CLA	CBA-CGA-O2A-C1
13	2	505	CLA	C5-C6-C7-C8
13	Z	505	CLA	C5-C6-C7-C8
19	B	5002	LMG	C39-C40-C41-C42
19	H	5002	LMG	C39-C40-C41-C42
19	f	5002	LMG	C39-C40-C41-C42
13	3	510	CLA	C16-C17-C18-C19
13	a	510	CLA	C16-C17-C18-C19
13	s	510	CLA	C16-C17-C18-C19
13	f	1234	CLA	C2C-C3C-CAC-CBC
13	B	1234	CLA	C2C-C3C-CAC-CBC
13	H	1234	CLA	C2C-C3C-CAC-CBC
13	A	1107	CLA	C4-C3-C5-C6
13	B	1202	CLA	C4-C3-C5-C6
13	G	1107	CLA	C4-C3-C5-C6
13	H	1202	CLA	C4-C3-C5-C6
13	f	1202	CLA	C4-C3-C5-C6
13	B	1211	CLA	CBA-CGA-O2A-C1
13	2	509	CLA	CBA-CGA-O2A-C1
13	H	1211	CLA	CBA-CGA-O2A-C1
13	Z	509	CLA	CBA-CGA-O2A-C1
13	f	1211	CLA	CBA-CGA-O2A-C1
13	r	509	CLA	CBA-CGA-O2A-C1
13	A	1128	CLA	C10-C11-C12-C13
13	G	1128	CLA	C10-C11-C12-C13
13	e	1128	CLA	C10-C11-C12-C13
13	A	1237	CLA	C6-C7-C8-C9
13	B	1012	CLA	C11-C10-C8-C9
13	B	1012	CLA	C14-C13-C15-C16
13	B	1203	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	B	1203	CLA	C11-C12-C13-C14
13	B	1206	CLA	C11-C10-C8-C9
13	B	1208	CLA	C6-C7-C8-C9
13	B	1210	CLA	C6-C7-C8-C9
13	B	1215	CLA	C14-C13-C15-C16
13	B	1217	CLA	C11-C10-C8-C9
13	B	1219	CLA	C11-C12-C13-C14
13	B	1223	CLA	C11-C12-C13-C14
13	B	1226	CLA	C11-C12-C13-C14
13	B	1240	CLA	C11-C12-C13-C14
13	F	1301	CLA	C6-C7-C8-C9
13	1	510	CLA	C6-C7-C8-C9
13	2	507	CLA	C11-C10-C8-C9
13	3	513	CLA	C14-C13-C15-C16
13	4	501	CLA	C6-C7-C8-C9
13	5	505	CLA	C6-C7-C8-C9
13	G	1237	CLA	C6-C7-C8-C9
13	H	1012	CLA	C11-C10-C8-C9
13	H	1012	CLA	C14-C13-C15-C16
13	H	1203	CLA	C6-C7-C8-C9
13	H	1203	CLA	C11-C12-C13-C14
13	H	1206	CLA	C11-C10-C8-C9
13	H	1208	CLA	C6-C7-C8-C9
13	H	1210	CLA	C6-C7-C8-C9
13	H	1215	CLA	C14-C13-C15-C16
13	H	1219	CLA	C11-C12-C13-C14
13	H	1223	CLA	C11-C12-C13-C14
13	H	1226	CLA	C11-C12-C13-C14
13	H	1240	CLA	C11-C12-C13-C14
13	Y	510	CLA	C6-C7-C8-C9
13	Z	507	CLA	C11-C10-C8-C9
13	a	513	CLA	C14-C13-C15-C16
13	b	501	CLA	C6-C7-C8-C9
13	c	505	CLA	C6-C7-C8-C9
13	d	501	CLA	C11-C10-C8-C9
13	e	1237	CLA	C6-C7-C8-C9
13	f	1012	CLA	C11-C10-C8-C9
13	f	1012	CLA	C14-C13-C15-C16
13	f	1203	CLA	C6-C7-C8-C9
13	f	1203	CLA	C11-C12-C13-C14
13	f	1206	CLA	C11-C10-C8-C9
13	f	1208	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	f	1210	CLA	C6-C7-C8-C9
13	f	1215	CLA	C14-C13-C15-C16
13	f	1217	CLA	C11-C10-C8-C9
13	f	1219	CLA	C11-C12-C13-C14
13	f	1223	CLA	C11-C12-C13-C14
13	f	1226	CLA	C11-C12-C13-C14
13	f	1240	CLA	C11-C12-C13-C14
13	q	510	CLA	C6-C7-C8-C9
13	r	507	CLA	C11-C10-C8-C9
13	s	513	CLA	C14-C13-C15-C16
13	t	501	CLA	C6-C7-C8-C9
13	u	505	CLA	C6-C7-C8-C9
13	3	508	CLA	CBD-CGD-O2D-CED
13	a	508	CLA	CBD-CGD-O2D-CED
13	s	508	CLA	CBD-CGD-O2D-CED
13	A	1102	CLA	C16-C17-C18-C19
13	G	1102	CLA	C16-C17-C18-C19
13	e	1013	CLA	C16-C17-C18-C20
13	e	1102	CLA	C16-C17-C18-C19
17	A	5006	LHG	C32-C33-C34-C35
17	G	5006	LHG	C32-C33-C34-C35
17	e	5006	LHG	C32-C33-C34-C35
17	n	5221	LHG	C13-C14-C15-C16
13	B	1021	CLA	O1A-CGA-O2A-C1
13	L	1501	CLA	O1A-CGA-O2A-C1
13	V	1501	CLA	O1A-CGA-O2A-C1
13	n	1501	CLA	O1A-CGA-O2A-C1
13	6	518	CLA	CAA-CBA-CGA-O2A
13	d	518	CLA	CAA-CBA-CGA-O2A
13	v	518	CLA	CAA-CBA-CGA-O2A
17	L	5221	LHG	C13-C14-C15-C16
17	V	5221	LHG	C13-C14-C15-C16
16	J	4012	BCR	C9-C10-C11-C12
16	T	4012	BCR	C9-C10-C11-C12
13	5	505	CLA	C5-C6-C7-C8
13	c	505	CLA	C5-C6-C7-C8
13	u	505	CLA	C5-C6-C7-C8
17	V	5218	LHG	C27-C28-C29-C30
13	A	1013	CLA	C16-C17-C18-C20
13	G	1013	CLA	C16-C17-C18-C20
13	e	1117	CLA	C16-C17-C18-C20
17	L	5218	LHG	C27-C28-C29-C30

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Mol	Chain	Res	Type	Atoms
17	n	5218	LHG	C27-C28-C29-C30
16	f	4010	BCR	C11-C12-C13-C14
17	V	5221	LHG	C15-C16-C17-C18
13	H	1021	CLA	O1A-CGA-O2A-C1
13	f	1021	CLA	O1A-CGA-O2A-C1
17	L	5221	LHG	C15-C16-C17-C18
17	G	5002	LHG	C31-C32-C33-C34
17	A	5002	LHG	C31-C32-C33-C34
17	n	5221	LHG	C15-C16-C17-C18
20	2	822	SQD	C14-C15-C16-C17
13	e	1107	CLA	C4-C3-C5-C6
17	e	5002	LHG	C31-C32-C33-C34
20	r	822	SQD	C14-C15-C16-C17
13	B	1204	CLA	C2-C3-C5-C6
13	H	1204	CLA	C2-C3-C5-C6
13	f	1204	CLA	C2-C3-C5-C6
13	A	1117	CLA	C16-C17-C18-C20
13	G	1117	CLA	C16-C17-C18-C20
20	Z	822	SQD	C14-C15-C16-C17
13	G	1133	CLA	O1D-CGD-O2D-CED
13	B	1213	CLA	O1A-CGA-O2A-C1
13	f	1213	CLA	O1A-CGA-O2A-C1
13	A	1133	CLA	O1D-CGD-O2D-CED
13	3	518	CLA	CAA-CBA-CGA-O2A
13	4	518	CLA	CAA-CBA-CGA-O2A
13	a	518	CLA	CAA-CBA-CGA-O2A
13	b	518	CLA	CAA-CBA-CGA-O2A
13	s	518	CLA	CAA-CBA-CGA-O2A
13	t	518	CLA	CAA-CBA-CGA-O2A
13	H	1213	CLA	O1A-CGA-O2A-C1
13	A	1106	CLA	C2-C1-O2A-CGA
13	A	1138	CLA	C2-C1-O2A-CGA
13	A	1237	CLA	C2-C1-O2A-CGA
13	B	1219	CLA	C2-C1-O2A-CGA
13	1	511	CLA	C2-C1-O2A-CGA
13	5	511	CLA	C2-C1-O2A-CGA
13	6	505	CLA	C2-C1-O2A-CGA
13	G	1106	CLA	C2-C1-O2A-CGA
13	G	1138	CLA	C2-C1-O2A-CGA
13	G	1237	CLA	C2-C1-O2A-CGA
13	H	1219	CLA	C2-C1-O2A-CGA
13	Y	511	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
13	c	511	CLA	C2-C1-O2A-CGA
13	d	505	CLA	C2-C1-O2A-CGA
13	e	1106	CLA	C2-C1-O2A-CGA
13	e	1138	CLA	C2-C1-O2A-CGA
13	e	1237	CLA	C2-C1-O2A-CGA
13	f	1219	CLA	C2-C1-O2A-CGA
13	q	511	CLA	C2-C1-O2A-CGA
13	u	511	CLA	C2-C1-O2A-CGA
13	v	505	CLA	C2-C1-O2A-CGA
13	A	1116	CLA	C8-C10-C11-C12
13	A	1132	CLA	C8-C10-C11-C12
13	H	1212	CLA	O1D-CGD-O2D-CED
13	e	1133	CLA	O1D-CGD-O2D-CED
13	L	1501	CLA	C3-C5-C6-C7
13	V	1501	CLA	C3-C5-C6-C7
13	n	1501	CLA	C3-C5-C6-C7
13	G	1116	CLA	C8-C10-C11-C12
13	G	1132	CLA	C8-C10-C11-C12
13	e	1116	CLA	C8-C10-C11-C12
13	e	1132	CLA	C8-C10-C11-C12
16	l	4012	BCR	C9-C10-C11-C12
13	2	509	CLA	O1A-CGA-O2A-C1
13	Z	509	CLA	O1A-CGA-O2A-C1
13	r	509	CLA	O1A-CGA-O2A-C1
13	B	1212	CLA	O1D-CGD-O2D-CED
16	3	522	BCR	C1-C6-C7-C8
16	a	522	BCR	C1-C6-C7-C8
16	s	522	BCR	C1-C6-C7-C8
13	5	505	CLA	C2-C3-C5-C6
13	u	505	CLA	C2-C3-C5-C6
13	f	1212	CLA	O1D-CGD-O2D-CED
13	B	1207	CLA	C15-C16-C17-C18
13	B	1205	CLA	CBA-CGA-O2A-C1
13	H	1205	CLA	CBA-CGA-O2A-C1
13	f	1205	CLA	CBA-CGA-O2A-C1
13	A	1126	CLA	CAA-CBA-CGA-O2A
13	G	1126	CLA	CAA-CBA-CGA-O2A
13	e	1126	CLA	CAA-CBA-CGA-O2A
13	H	1207	CLA	C15-C16-C17-C18
13	f	1207	CLA	C15-C16-C17-C18
13	B	1212	CLA	C2A-CAA-CBA-CGA
13	H	1212	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	f	1212	CLA	C2A-CAA-CBA-CGA
17	A	5006	LHG	C3-O3-P-O6
17	A	5001	LHG	C3-O3-P-O6
17	A	5003	LHG	C3-O3-P-O6
17	G	5006	LHG	C3-O3-P-O6
17	G	5001	LHG	C3-O3-P-O6
17	G	5003	LHG	C3-O3-P-O6
17	e	5006	LHG	C3-O3-P-O6
17	e	5001	LHG	C3-O3-P-O6
17	e	5003	LHG	C3-O3-P-O6
13	2	503	CLA	C13-C15-C16-C17
13	r	503	CLA	C13-C15-C16-C17
17	A	5006	LHG	C28-C29-C30-C31
20	3	822	SQD	C11-C12-C13-C14
20	a	822	SQD	C11-C12-C13-C14
19	B	5002	LMG	C7-C8-C9-O8
19	J	5104	LMG	O1-C7-C8-C9
19	H	5002	LMG	C7-C8-C9-O8
19	T	5104	LMG	O1-C7-C8-C9
19	f	5002	LMG	C7-C8-C9-O8
19	l	5104	LMG	O1-C7-C8-C9
13	B	1224	CLA	C4-C3-C5-C6
13	H	1224	CLA	C4-C3-C5-C6
13	e	1022	CLA	C4-C3-C5-C6
13	f	1224	CLA	C4-C3-C5-C6
17	G	5006	LHG	C28-C29-C30-C31
17	e	5006	LHG	C28-C29-C30-C31
20	s	822	SQD	C11-C12-C13-C14
13	Z	503	CLA	C13-C15-C16-C17
13	A	1111	CLA	C11-C12-C13-C15
13	B	1204	CLA	C11-C10-C8-C7
13	B	1205	CLA	C12-C13-C15-C16
13	B	1215	CLA	C11-C12-C13-C15
13	B	1216	CLA	C6-C7-C8-C10
13	B	1219	CLA	C11-C12-C13-C15
13	L	1503	CLA	C6-C7-C8-C10
13	1	501	CLA	C11-C10-C8-C7
13	G	1111	CLA	C11-C12-C13-C15
13	H	1204	CLA	C11-C10-C8-C7
13	H	1205	CLA	C12-C13-C15-C16
13	H	1215	CLA	C11-C12-C13-C15
13	H	1216	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
13	H	1219	CLA	C11-C12-C13-C15
13	V	1503	CLA	C6-C7-C8-C10
13	Y	501	CLA	C11-C10-C8-C7
13	c	505	CLA	C2-C3-C5-C6
13	e	1111	CLA	C11-C12-C13-C15
13	f	1204	CLA	C11-C10-C8-C7
13	f	1205	CLA	C12-C13-C15-C16
13	f	1215	CLA	C11-C12-C13-C15
13	f	1216	CLA	C6-C7-C8-C10
13	f	1219	CLA	C11-C12-C13-C15
13	n	1503	CLA	C6-C7-C8-C10
13	q	501	CLA	C11-C10-C8-C7
17	A	5002	LHG	C9-C10-C11-C12
17	G	5002	LHG	C9-C10-C11-C12
17	e	5002	LHG	C9-C10-C11-C12
13	A	1131	CLA	C14-C13-C15-C16
13	A	1101	CLA	C11-C12-C13-C14
13	B	1023	CLA	C11-C10-C8-C9
13	B	1208	CLA	C11-C12-C13-C14
13	B	1234	CLA	C11-C12-C13-C14
13	B	1230	CLA	C6-C7-C8-C9
13	1	501	CLA	C11-C10-C8-C9
13	1	502	CLA	C11-C10-C8-C9
13	2	505	CLA	C6-C7-C8-C9
13	2	513	CLA	C11-C10-C8-C9
13	3	505	CLA	C14-C13-C15-C16
13	5	509	CLA	C6-C7-C8-C9
13	6	501	CLA	C11-C10-C8-C9
13	6	505	CLA	C11-C12-C13-C14
13	G	1131	CLA	C14-C13-C15-C16
13	G	1101	CLA	C11-C12-C13-C14
13	H	1023	CLA	C11-C10-C8-C9
13	H	1208	CLA	C11-C12-C13-C14
13	H	1217	CLA	C11-C10-C8-C9
13	H	1234	CLA	C11-C12-C13-C14
13	H	1230	CLA	C6-C7-C8-C9
13	Y	501	CLA	C11-C10-C8-C9
13	Y	502	CLA	C11-C10-C8-C9
13	Z	505	CLA	C6-C7-C8-C9
13	Z	513	CLA	C11-C10-C8-C9
13	a	505	CLA	C14-C13-C15-C16
13	c	509	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	d	505	CLA	C11-C12-C13-C14
13	e	1131	CLA	C14-C13-C15-C16
13	e	1101	CLA	C11-C12-C13-C14
13	f	1023	CLA	C11-C10-C8-C9
13	f	1208	CLA	C11-C12-C13-C14
13	f	1234	CLA	C11-C12-C13-C14
13	f	1230	CLA	C6-C7-C8-C9
13	q	501	CLA	C11-C10-C8-C9
13	q	502	CLA	C11-C10-C8-C9
13	r	505	CLA	C6-C7-C8-C9
13	r	513	CLA	C11-C10-C8-C9
13	s	505	CLA	C14-C13-C15-C16
13	u	509	CLA	C6-C7-C8-C9
13	v	501	CLA	C11-C10-C8-C9
13	v	505	CLA	C11-C12-C13-C14
14	A	2001	PQN	C24-C23-C25-C26
14	B	2002	PQN	C21-C22-C23-C24
14	G	2001	PQN	C24-C23-C25-C26
14	H	2002	PQN	C21-C22-C23-C24
14	e	2001	PQN	C24-C23-C25-C26
14	f	2002	PQN	C21-C22-C23-C24
13	e	1109	CLA	C15-C16-C17-C18
13	A	1128	CLA	O1A-CGA-O2A-C1
13	G	1128	CLA	O1A-CGA-O2A-C1
17	L	5220	LHG	C25-C26-C27-C28
17	V	5220	LHG	C25-C26-C27-C28
17	n	5220	LHG	C25-C26-C27-C28
13	e	1128	CLA	O1A-CGA-O2A-C1
13	B	1021	CLA	C16-C17-C18-C20
13	H	1021	CLA	C16-C17-C18-C20
13	f	1021	CLA	C16-C17-C18-C20
20	L	5216	SQD	C10-C11-C12-C13
13	A	1109	CLA	C15-C16-C17-C18
13	G	1109	CLA	C15-C16-C17-C18
13	s	508	CLA	O1D-CGD-O2D-CED
16	B	4010	BCR	C11-C12-C13-C14
16	H	4010	BCR	C11-C12-C13-C14
20	V	5216	SQD	C10-C11-C12-C13
20	n	5216	SQD	C10-C11-C12-C13
13	5	505	CLA	C12-C13-C15-C16
13	c	505	CLA	C12-C13-C15-C16
13	u	505	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	3	510	CLA	C5-C6-C7-C8
13	s	510	CLA	C5-C6-C7-C8
17	G	5003	LHG	C11-C12-C13-C14
17	e	5003	LHG	C11-C12-C13-C14
13	A	1022	CLA	C4-C3-C5-C6
13	G	1022	CLA	C4-C3-C5-C6
17	A	5003	LHG	C11-C12-C13-C14
13	B	1021	CLA	C16-C17-C18-C19
13	H	1021	CLA	C16-C17-C18-C19
13	f	1021	CLA	C16-C17-C18-C19
13	A	1128	CLA	CBA-CGA-O2A-C1
13	B	1228	CLA	CBA-CGA-O2A-C1
13	G	1128	CLA	CBA-CGA-O2A-C1
13	H	1228	CLA	CBA-CGA-O2A-C1
13	e	1128	CLA	CBA-CGA-O2A-C1
13	f	1228	CLA	CBA-CGA-O2A-C1
17	B	1855	LHG	C24-C23-O8-C6
17	H	1855	LHG	C24-C23-O8-C6
17	f	1855	LHG	C24-C23-O8-C6
13	G	1118	CLA	O1D-CGD-O2D-CED
13	a	510	CLA	C5-C6-C7-C8
13	3	508	CLA	O1D-CGD-O2D-CED
20	Y	822	SQD	O10-C23-C24-C25
20	q	822	SQD	O10-C23-C24-C25
13	G	1118	CLA	CBD-CGD-O2D-CED
13	A	1118	CLA	O1D-CGD-O2D-CED
13	3	510	CLA	C16-C17-C18-C20
13	a	510	CLA	C16-C17-C18-C20
13	s	510	CLA	C16-C17-C18-C20
20	1	822	SQD	O10-C23-C24-C25
16	A	4001	BCR	C13-C14-C15-C16
16	3	521	BCR	C9-C10-C11-C12
16	3	524	BCR	C9-C10-C11-C12
16	4	521	BCR	C13-C14-C15-C16
16	G	4001	BCR	C13-C14-C15-C16
16	a	521	BCR	C9-C10-C11-C12
16	a	524	BCR	C9-C10-C11-C12
16	b	521	BCR	C13-C14-C15-C16
16	e	4001	BCR	C13-C14-C15-C16
16	s	521	BCR	C9-C10-C11-C12
16	s	524	BCR	C9-C10-C11-C12
16	t	521	BCR	C13-C14-C15-C16

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Mol	Chain	Res	Type	Atoms
13	a	508	CLA	O1D-CGD-O2D-CED
13	f	1212	CLA	CBD-CGD-O2D-CED
18	A	1848	LMU	O1'-C1-C2-C3
18	G	1848	LMU	O1'-C1-C2-C3
18	e	1848	LMU	O1'-C1-C2-C3
13	l	1303	CLA	C15-C16-C17-C18
17	n	5220	LHG	C26-C27-C28-C29
13	A	1132	CLA	C2C-C3C-CAC-CBC
13	G	1132	CLA	C2C-C3C-CAC-CBC
13	e	1132	CLA	C2C-C3C-CAC-CBC
17	L	5220	LHG	C26-C27-C28-C29
17	V	5220	LHG	C26-C27-C28-C29
13	A	1118	CLA	CBD-CGD-O2D-CED
13	B	1212	CLA	CBD-CGD-O2D-CED
13	H	1212	CLA	CBD-CGD-O2D-CED
13	J	1303	CLA	C15-C16-C17-C18
20	1	822	SQD	C9-C10-C11-C12
20	Y	822	SQD	C9-C10-C11-C12
20	q	822	SQD	C9-C10-C11-C12
13	2	507	CLA	C16-C17-C18-C19
13	Z	507	CLA	C16-C17-C18-C19
13	r	507	CLA	C16-C17-C18-C19
13	2	518	CLA	CAA-CBA-CGA-O2A
13	Z	518	CLA	CAA-CBA-CGA-O2A
13	r	518	CLA	CAA-CBA-CGA-O2A
13	e	1118	CLA	CBD-CGD-O2D-CED
13	e	1118	CLA	O1D-CGD-O2D-CED
18	l	5105	LMU	C5-C6-C7-C8
13	T	1303	CLA	C15-C16-C17-C18
18	J	5105	LMU	C5-C6-C7-C8
18	T	5105	LMU	C5-C6-C7-C8
13	A	1107	CLA	C2-C1-O2A-CGA
13	B	1212	CLA	C2-C1-O2A-CGA
13	L	1502	CLA	C2-C1-O2A-CGA
13	3	505	CLA	C2-C1-O2A-CGA
13	G	1107	CLA	C2-C1-O2A-CGA
13	H	1212	CLA	C2-C1-O2A-CGA
13	V	1502	CLA	C2-C1-O2A-CGA
13	a	505	CLA	C2-C1-O2A-CGA
13	e	1107	CLA	C2-C1-O2A-CGA
13	f	1212	CLA	C2-C1-O2A-CGA
13	n	1502	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
13	s	505	CLA	C2-C1-O2A-CGA
13	A	1237	CLA	C2A-CAA-CBA-CGA
13	B	1204	CLA	C2A-CAA-CBA-CGA
13	B	1210	CLA	C2A-CAA-CBA-CGA
13	4	513	CLA	C2A-CAA-CBA-CGA
13	G	1237	CLA	C2A-CAA-CBA-CGA
13	H	1204	CLA	C2A-CAA-CBA-CGA
13	H	1210	CLA	C2A-CAA-CBA-CGA
13	b	513	CLA	C2A-CAA-CBA-CGA
13	e	1237	CLA	C2A-CAA-CBA-CGA
13	f	1204	CLA	C2A-CAA-CBA-CGA
13	f	1210	CLA	C2A-CAA-CBA-CGA
13	t	513	CLA	C2A-CAA-CBA-CGA
13	1	503	CLA	C16-C17-C18-C19
13	Y	503	CLA	C16-C17-C18-C19
13	q	503	CLA	C16-C17-C18-C19
13	B	1228	CLA	C3A-C2A-CAA-CBA
13	H	1228	CLA	C3A-C2A-CAA-CBA
13	f	1228	CLA	C3A-C2A-CAA-CBA
13	K	1105	CLA	CAA-CBA-CGA-O1A
13	K	1105	CLA	CAA-CBA-CGA-O2A
13	U	1105	CLA	CAA-CBA-CGA-O1A
13	U	1105	CLA	CAA-CBA-CGA-O2A
13	m	1105	CLA	CAA-CBA-CGA-O1A
13	m	1105	CLA	CAA-CBA-CGA-O2A
13	A	1011	CLA	CAA-CBA-CGA-O2A
13	G	1011	CLA	CAA-CBA-CGA-O2A
13	e	1011	CLA	CAA-CBA-CGA-O2A
18	Z	901	LMU	C2-C1-O1'-C1'
17	G	5009	LHG	C12-C13-C14-C15
17	A	5009	LHG	C12-C13-C14-C15
17	e	5009	LHG	C12-C13-C14-C15
17	L	5220	LHG	C31-C32-C33-C34
17	V	5220	LHG	C31-C32-C33-C34
13	A	1116	CLA	C11-C10-C8-C9
13	A	1124	CLA	C6-C7-C8-C9
13	J	1303	CLA	C6-C7-C8-C9
13	1	505	CLA	C6-C7-C8-C9
13	1	510	CLA	C11-C12-C13-C14
13	G	1116	CLA	C11-C10-C8-C9
13	G	1124	CLA	C6-C7-C8-C9
13	T	1303	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	Y	505	CLA	C6-C7-C8-C9
13	Y	510	CLA	C11-C12-C13-C14
13	e	1116	CLA	C11-C10-C8-C9
13	e	1124	CLA	C6-C7-C8-C9
13	l	1303	CLA	C6-C7-C8-C9
13	q	505	CLA	C6-C7-C8-C9
13	q	510	CLA	C11-C12-C13-C14
17	n	5220	LHG	C31-C32-C33-C34
13	4	508	CLA	CAA-CBA-CGA-O2A
13	b	508	CLA	CAA-CBA-CGA-O2A
13	t	508	CLA	CAA-CBA-CGA-O1A
13	t	508	CLA	CAA-CBA-CGA-O2A
17	I	5001	LHG	C24-C25-C26-C27
17	S	5001	LHG	C24-C25-C26-C27
17	k	5001	LHG	C24-C25-C26-C27
19	B	5002	LMG	C40-C41-C42-C43
19	f	5002	LMG	C40-C41-C42-C43
19	H	5002	LMG	C40-C41-C42-C43
16	A	4011	BCR	C11-C10-C9-C34
16	A	4011	BCR	C16-C17-C18-C36
16	B	4006	BCR	C11-C10-C9-C34
16	B	4006	BCR	C20-C21-C22-C37
16	F	4016	BCR	C35-C13-C14-C15
16	L	4020	BCR	C20-C21-C22-C37
16	G	4011	BCR	C11-C10-C9-C34
16	G	4011	BCR	C16-C17-C18-C36
16	H	4006	BCR	C11-C10-C9-C34
16	H	4006	BCR	C20-C21-C22-C37
16	R	4016	BCR	C35-C13-C14-C15
16	V	4020	BCR	C20-C21-C22-C37
16	e	4011	BCR	C11-C10-C9-C34
16	e	4011	BCR	C16-C17-C18-C36
16	f	4006	BCR	C11-C10-C9-C34
16	f	4006	BCR	C20-C21-C22-C37
16	j	4016	BCR	C35-C13-C14-C15
16	n	4020	BCR	C20-C21-C22-C37
13	4	508	CLA	CAA-CBA-CGA-O1A
13	J	1302	CLA	C2A-CAA-CBA-CGA
13	1	507	CLA	C2A-CAA-CBA-CGA
13	3	503	CLA	C2A-CAA-CBA-CGA
13	T	1302	CLA	C2A-CAA-CBA-CGA
13	a	503	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	l	1302	CLA	C2A-CAA-CBA-CGA
13	s	503	CLA	C2A-CAA-CBA-CGA
13	H	1228	CLA	O1A-CGA-O2A-C1
13	A	1117	CLA	C16-C17-C18-C19
13	B	1229	CLA	C16-C17-C18-C19
13	G	1117	CLA	C16-C17-C18-C19
13	H	1229	CLA	C16-C17-C18-C19
13	e	1117	CLA	C16-C17-C18-C19
13	f	1229	CLA	C16-C17-C18-C19
13	A	1126	CLA	O2A-C1-C2-C3
13	G	1126	CLA	O2A-C1-C2-C3
13	e	1126	CLA	O2A-C1-C2-C3
13	3	518	CLA	CBA-CGA-O2A-C1
13	a	518	CLA	CBA-CGA-O2A-C1
13	s	518	CLA	CBA-CGA-O2A-C1
20	6	822	SQD	O5-C1-O6-C44
20	d	822	SQD	O5-C1-O6-C44
20	v	822	SQD	O5-C1-O6-C44
13	b	508	CLA	CAA-CBA-CGA-O1A
13	v	517	CLA	CAA-CBA-CGA-O1A
17	e	5004	LHG	C28-C29-C30-C31
17	A	5004	LHG	C28-C29-C30-C31
17	G	5004	LHG	C28-C29-C30-C31
17	S	5001	LHG	C28-C29-C30-C31
17	k	5001	LHG	C28-C29-C30-C31
20	2	822	SQD	C26-C27-C28-C29
20	Z	822	SQD	C26-C27-C28-C29
20	r	822	SQD	C26-C27-C28-C29
13	6	517	CLA	CAA-CBA-CGA-O1A
13	d	517	CLA	CAA-CBA-CGA-O1A
13	A	1123	CLA	C13-C15-C16-C17
13	A	1237	CLA	C8-C10-C11-C12
13	A	1022	CLA	C15-C16-C17-C18
13	G	1237	CLA	C8-C10-C11-C12
13	G	1022	CLA	C15-C16-C17-C18
13	e	1123	CLA	C13-C15-C16-C17
13	A	1135	CLA	C4-C3-C5-C6
13	G	1135	CLA	C4-C3-C5-C6
13	e	1135	CLA	C4-C3-C5-C6
13	A	1111	CLA	C1A-C2A-CAA-CBA
13	B	1206	CLA	C1A-C2A-CAA-CBA
13	B	1212	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	B	1223	CLA	C1A-C2A-CAA-CBA
13	B	1228	CLA	C1A-C2A-CAA-CBA
13	B	1229	CLA	C1A-C2A-CAA-CBA
13	1	503	CLA	C1A-C2A-CAA-CBA
13	1	506	CLA	C1A-C2A-CAA-CBA
13	2	503	CLA	C1A-C2A-CAA-CBA
13	2	513	CLA	C1A-C2A-CAA-CBA
13	2	519	CLA	C1A-C2A-CAA-CBA
13	3	504	CLA	C1A-C2A-CAA-CBA
13	3	508	CLA	C1A-C2A-CAA-CBA
13	3	518	CLA	C1A-C2A-CAA-CBA
13	5	511	CLA	C1A-C2A-CAA-CBA
13	5	519	CLA	C1A-C2A-CAA-CBA
13	G	1111	CLA	C1A-C2A-CAA-CBA
13	H	1206	CLA	C1A-C2A-CAA-CBA
13	H	1212	CLA	C1A-C2A-CAA-CBA
13	H	1223	CLA	C1A-C2A-CAA-CBA
13	H	1228	CLA	C1A-C2A-CAA-CBA
13	H	1229	CLA	C1A-C2A-CAA-CBA
13	Y	503	CLA	C1A-C2A-CAA-CBA
13	Y	506	CLA	C1A-C2A-CAA-CBA
13	Z	513	CLA	C1A-C2A-CAA-CBA
13	Z	519	CLA	C1A-C2A-CAA-CBA
13	a	504	CLA	C1A-C2A-CAA-CBA
13	a	508	CLA	C1A-C2A-CAA-CBA
13	a	518	CLA	C1A-C2A-CAA-CBA
13	c	511	CLA	C1A-C2A-CAA-CBA
13	c	519	CLA	C1A-C2A-CAA-CBA
13	e	1111	CLA	C1A-C2A-CAA-CBA
13	f	1206	CLA	C1A-C2A-CAA-CBA
13	f	1212	CLA	C1A-C2A-CAA-CBA
13	f	1223	CLA	C1A-C2A-CAA-CBA
13	f	1228	CLA	C1A-C2A-CAA-CBA
13	f	1229	CLA	C1A-C2A-CAA-CBA
13	q	506	CLA	C1A-C2A-CAA-CBA
13	r	503	CLA	C1A-C2A-CAA-CBA
13	r	513	CLA	C1A-C2A-CAA-CBA
13	r	519	CLA	C1A-C2A-CAA-CBA
13	s	504	CLA	C1A-C2A-CAA-CBA
13	s	508	CLA	C1A-C2A-CAA-CBA
13	s	518	CLA	C1A-C2A-CAA-CBA
13	u	511	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	u	519	CLA	C1A-C2A-CAA-CBA
17	I	5001	LHG	C28-C29-C30-C31
13	A	1107	CLA	C11-C10-C8-C7
13	A	1131	CLA	C11-C12-C13-C15
13	B	1023	CLA	C11-C10-C8-C7
13	B	1215	CLA	C6-C7-C8-C10
13	B	1226	CLA	C11-C10-C8-C7
13	B	1229	CLA	C11-C10-C8-C7
13	J	1303	CLA	C12-C13-C15-C16
13	2	513	CLA	C12-C13-C15-C16
13	G	1107	CLA	C11-C10-C8-C7
13	G	1131	CLA	C11-C12-C13-C15
13	H	1023	CLA	C11-C10-C8-C7
13	H	1215	CLA	C6-C7-C8-C10
13	H	1226	CLA	C11-C10-C8-C7
13	H	1229	CLA	C11-C10-C8-C7
13	T	1303	CLA	C12-C13-C15-C16
13	Z	513	CLA	C12-C13-C15-C16
13	e	1107	CLA	C11-C10-C8-C7
13	e	1131	CLA	C11-C12-C13-C15
13	f	1023	CLA	C11-C10-C8-C7
13	f	1215	CLA	C6-C7-C8-C10
13	f	1226	CLA	C11-C10-C8-C7
13	f	1229	CLA	C11-C10-C8-C7
13	l	1303	CLA	C12-C13-C15-C16
13	r	513	CLA	C12-C13-C15-C16
14	B	2002	PQN	C17-C18-C20-C21
14	H	2002	PQN	C17-C18-C20-C21
14	f	2002	PQN	C17-C18-C20-C21
18	l	5105	LMU	C2-C3-C4-C5
13	1	505	CLA	C13-C15-C16-C17
13	G	1123	CLA	C13-C15-C16-C17
13	Y	505	CLA	C13-C15-C16-C17
13	e	1237	CLA	C8-C10-C11-C12
13	e	1022	CLA	C15-C16-C17-C18
13	q	505	CLA	C13-C15-C16-C17
13	q	518	CLA	C8-C10-C11-C12
13	B	1228	CLA	O1A-CGA-O2A-C1
13	f	1228	CLA	O1A-CGA-O2A-C1
18	J	5105	LMU	C2-C3-C4-C5
18	T	5105	LMU	C2-C3-C4-C5
13	1	518	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
13	6	510	CLA	CAA-CBA-CGA-O2A
13	d	510	CLA	CAA-CBA-CGA-O2A
13	v	510	CLA	CAA-CBA-CGA-O2A
13	A	1022	CLA	C16-C17-C18-C20
13	G	1022	CLA	C16-C17-C18-C20
13	e	1022	CLA	C16-C17-C18-C20
17	L	5221	LHG	C16-C17-C18-C19
17	n	5221	LHG	C16-C17-C18-C19
13	B	1222	CLA	C3-C5-C6-C7
13	H	1222	CLA	C3-C5-C6-C7
13	f	1222	CLA	C3-C5-C6-C7
17	L	5218	LHG	C5-C4-O6-P
17	V	5218	LHG	C5-C4-O6-P
17	n	5218	LHG	C5-C4-O6-P
13	A	1137	CLA	C2A-CAA-CBA-CGA
13	B	1216	CLA	C2A-CAA-CBA-CGA
13	1	503	CLA	C2A-CAA-CBA-CGA
13	2	503	CLA	C2A-CAA-CBA-CGA
13	G	1137	CLA	C2A-CAA-CBA-CGA
13	H	1216	CLA	C2A-CAA-CBA-CGA
13	Y	503	CLA	C2A-CAA-CBA-CGA
13	Y	507	CLA	C2A-CAA-CBA-CGA
13	Z	503	CLA	C2A-CAA-CBA-CGA
13	e	1137	CLA	C2A-CAA-CBA-CGA
13	f	1216	CLA	C2A-CAA-CBA-CGA
13	q	503	CLA	C2A-CAA-CBA-CGA
13	q	507	CLA	C2A-CAA-CBA-CGA
13	r	503	CLA	C2A-CAA-CBA-CGA
13	Y	518	CLA	C8-C10-C11-C12
14	A	2001	PQN	C23-C25-C26-C27
14	G	2001	PQN	C23-C25-C26-C27
14	e	2001	PQN	C23-C25-C26-C27
17	B	1842	LHG	C11-C10-C9-C8
17	H	1842	LHG	C11-C10-C9-C8
17	V	5221	LHG	C16-C17-C18-C19
17	f	1842	LHG	C11-C10-C9-C8
13	3	510	CLA	C13-C15-C16-C17
13	s	510	CLA	C13-C15-C16-C17
13	a	510	CLA	C13-C15-C16-C17
13	3	512	CLA	CAA-CBA-CGA-O2A
13	a	512	CLA	CAA-CBA-CGA-O2A
13	d	510	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
13	s	512	CLA	CAA-CBA-CGA-O2A
13	G	1022	CLA	C2-C3-C5-C6
13	6	510	CLA	CAA-CBA-CGA-O1A
13	v	510	CLA	CAA-CBA-CGA-O1A
13	a	518	CLA	O1A-CGA-O2A-C1
13	a	519	CLA	O1A-CGA-O2A-C1
16	A	4011	BCR	C11-C10-C9-C8
16	A	4011	BCR	C16-C17-C18-C19
16	B	4006	BCR	C11-C10-C9-C8
16	B	4006	BCR	C20-C21-C22-C23
16	F	4016	BCR	C12-C13-C14-C15
16	L	4020	BCR	C20-C21-C22-C23
16	G	4011	BCR	C11-C10-C9-C8
16	G	4011	BCR	C16-C17-C18-C19
16	H	4006	BCR	C11-C10-C9-C8
16	H	4006	BCR	C20-C21-C22-C23
16	R	4016	BCR	C12-C13-C14-C15
16	V	4020	BCR	C20-C21-C22-C23
16	e	4011	BCR	C11-C10-C9-C8
16	e	4011	BCR	C16-C17-C18-C19
16	f	4006	BCR	C11-C10-C9-C8
16	f	4006	BCR	C20-C21-C22-C23
16	j	4016	BCR	C12-C13-C14-C15
16	n	4020	BCR	C20-C21-C22-C23
13	a	512	CLA	CAA-CBA-CGA-O1A
13	s	518	CLA	O1A-CGA-O2A-C1
17	A	5004	LHG	C24-C23-O8-C6
17	G	5004	LHG	C24-C23-O8-C6
16	A	4008	BCR	C19-C20-C21-C22
16	G	4008	BCR	C19-C20-C21-C22
16	e	4008	BCR	C19-C20-C21-C22
13	G	1109	CLA	C3-C5-C6-C7
13	3	512	CLA	CAA-CBA-CGA-O1A
13	4	512	CLA	CAA-CBA-CGA-O1A
13	b	512	CLA	CAA-CBA-CGA-O1A
13	s	512	CLA	CAA-CBA-CGA-O1A
13	t	512	CLA	CAA-CBA-CGA-O1A
13	L	1501	CLA	C13-C15-C16-C17
13	V	1501	CLA	C13-C15-C16-C17
13	n	1501	CLA	C13-C15-C16-C17
13	3	519	CLA	O1A-CGA-O2A-C1
13	s	519	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	e	5007	LHG	O10-C23-O8-C6
13	2	507	CLA	C16-C17-C18-C20
13	Z	507	CLA	C16-C17-C18-C20
13	r	507	CLA	C16-C17-C18-C20
17	I	5001	LHG	C30-C31-C32-C33
17	S	5001	LHG	C30-C31-C32-C33
17	k	5001	LHG	C30-C31-C32-C33
13	H	1226	CLA	C8-C10-C11-C12
13	3	518	CLA	O1A-CGA-O2A-C1
17	A	5007	LHG	O10-C23-O8-C6
17	G	5007	LHG	O10-C23-O8-C6
13	d	517	CLA	CAA-CBA-CGA-O2A
13	t	512	CLA	CAA-CBA-CGA-O2A
17	A	5008	LHG	C9-C10-C11-C12
17	G	5008	LHG	C9-C10-C11-C12
17	e	5008	LHG	C9-C10-C11-C12
13	B	1207	CLA	C2-C1-O2A-CGA
13	3	511	CLA	C2-C1-O2A-CGA
13	4	519	CLA	C2-C1-O2A-CGA
13	H	1207	CLA	C2-C1-O2A-CGA
13	a	511	CLA	C2-C1-O2A-CGA
13	b	519	CLA	C2-C1-O2A-CGA
13	f	1207	CLA	C2-C1-O2A-CGA
13	s	511	CLA	C2-C1-O2A-CGA
13	t	519	CLA	C2-C1-O2A-CGA
13	A	1022	CLA	C2-C3-C5-C6
13	B	1224	CLA	C2-C3-C5-C6
13	H	1224	CLA	C2-C3-C5-C6
13	e	1022	CLA	C2-C3-C5-C6
13	f	1224	CLA	C2-C3-C5-C6
13	H	1228	CLA	CBD-CGD-O2D-CED
13	B	1226	CLA	C8-C10-C11-C12
13	4	512	CLA	CAA-CBA-CGA-O2A
13	6	517	CLA	CAA-CBA-CGA-O2A
13	b	512	CLA	CAA-CBA-CGA-O2A
13	v	517	CLA	CAA-CBA-CGA-O2A
13	u	518	CLA	CAA-CBA-CGA-O2A
13	f	1226	CLA	C8-C10-C11-C12
18	B	1843	LMU	C6-C7-C8-C9
18	H	1843	LMU	C6-C7-C8-C9
20	1	822	SQD	O48-C23-C24-C25
20	Y	822	SQD	O48-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
20	q	822	SQD	O48-C23-C24-C25
13	A	1133	CLA	CBD-CGD-O2D-CED
13	G	1133	CLA	CBD-CGD-O2D-CED
18	f	1843	LMU	C6-C7-C8-C9
13	3	501	CLA	C10-C11-C12-C13
13	a	501	CLA	C10-C11-C12-C13
13	s	501	CLA	C10-C11-C12-C13
13	A	1013	CLA	C2A-CAA-CBA-CGA
13	G	1013	CLA	C2A-CAA-CBA-CGA
13	e	1013	CLA	C2A-CAA-CBA-CGA
13	e	1120	CLA	C2A-CAA-CBA-CGA
13	f	1202	CLA	C16-C17-C18-C20
17	e	5004	LHG	C24-C23-O8-C6
17	e	5001	LHG	C24-C25-C26-C27
13	A	1109	CLA	C3-C5-C6-C7
13	e	1109	CLA	C3-C5-C6-C7
16	A	4001	BCR	C1-C6-C7-C8
16	A	4008	BCR	C1-C6-C7-C8
16	B	4014	BCR	C1-C6-C7-C8
16	4	523	BCR	C1-C6-C7-C8
16	5	521	BCR	C1-C6-C7-C8
16	6	524	BCR	C1-C6-C7-C8
16	6	524	BCR	C23-C24-C25-C30
16	G	4001	BCR	C1-C6-C7-C8
16	G	4008	BCR	C1-C6-C7-C8
16	H	4014	BCR	C1-C6-C7-C8
16	b	523	BCR	C1-C6-C7-C8
16	c	521	BCR	C1-C6-C7-C8
16	d	524	BCR	C1-C6-C7-C8
16	d	524	BCR	C23-C24-C25-C30
16	e	4001	BCR	C1-C6-C7-C8
16	e	4008	BCR	C1-C6-C7-C8
16	f	4014	BCR	C1-C6-C7-C8
16	t	523	BCR	C1-C6-C7-C8
16	u	521	BCR	C1-C6-C7-C8
16	v	524	BCR	C1-C6-C7-C8
16	v	524	BCR	C23-C24-C25-C30
13	5	518	CLA	CAA-CBA-CGA-O2A
13	c	518	CLA	CAA-CBA-CGA-O2A
17	A	5001	LHG	C24-C25-C26-C27
17	G	5001	LHG	C24-C25-C26-C27
16	A	4011	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
16	1	522	BCR	C15-C16-C17-C18
16	4	521	BCR	C15-C16-C17-C18
16	6	521	BCR	C9-C10-C11-C12
16	G	4011	BCR	C19-C20-C21-C22
16	Y	522	BCR	C15-C16-C17-C18
16	b	521	BCR	C15-C16-C17-C18
16	d	521	BCR	C9-C10-C11-C12
16	e	4011	BCR	C19-C20-C21-C22
16	q	522	BCR	C15-C16-C17-C18
16	v	521	BCR	C9-C10-C11-C12
13	A	1106	CLA	C4-C3-C5-C6
13	A	1127	CLA	C4-C3-C5-C6
13	G	1106	CLA	C4-C3-C5-C6
13	e	1106	CLA	C4-C3-C5-C6
13	e	1127	CLA	C4-C3-C5-C6
16	J	4015	BCR	C7-C8-C9-C10
16	2	523	BCR	C7-C8-C9-C10
16	6	521	BCR	C7-C8-C9-C10
16	T	4015	BCR	C7-C8-C9-C10
16	Z	523	BCR	C7-C8-C9-C10
16	d	521	BCR	C7-C8-C9-C10
16	l	4015	BCR	C7-C8-C9-C10
16	r	523	BCR	C7-C8-C9-C10
16	v	521	BCR	C7-C8-C9-C10
13	B	1202	CLA	C16-C17-C18-C20
13	a	509	CLA	C5-C6-C7-C8
13	s	509	CLA	C5-C6-C7-C8
13	A	1107	CLA	C2-C3-C5-C6
13	B	1202	CLA	C2-C3-C5-C6
13	G	1107	CLA	C2-C3-C5-C6
13	H	1202	CLA	C2-C3-C5-C6
13	e	1107	CLA	C2-C3-C5-C6
13	f	1202	CLA	C2-C3-C5-C6
13	B	1228	CLA	CBD-CGD-O2D-CED
13	5	507	CLA	CAA-CBA-CGA-O2A
13	c	507	CLA	CAA-CBA-CGA-O2A
13	u	507	CLA	CAA-CBA-CGA-O2A
13	3	509	CLA	C5-C6-C7-C8
19	J	5104	LMG	C8-C7-O1-C1
19	T	5104	LMG	C8-C7-O1-C1
19	l	5104	LMG	C8-C7-O1-C1
13	a	519	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	1	516	CLA	CAA-CBA-CGA-O2A
13	6	509	CLA	CAA-CBA-CGA-O2A
13	d	509	CLA	CAA-CBA-CGA-O2A
13	v	509	CLA	CAA-CBA-CGA-O2A
20	L	5216	SQD	C17-C18-C19-C20
20	n	5216	SQD	C17-C18-C19-C20
13	H	1202	CLA	C16-C17-C18-C20
13	H	1212	CLA	C3-C5-C6-C7
17	A	5001	LHG	C19-C20-C21-C22
17	G	5001	LHG	C19-C20-C21-C22
20	V	5216	SQD	C17-C18-C19-C20
13	B	1201	CLA	C8-C10-C11-C12
13	H	1201	CLA	C8-C10-C11-C12
13	f	1201	CLA	C8-C10-C11-C12
13	Y	516	CLA	CAA-CBA-CGA-O2A
13	q	516	CLA	CAA-CBA-CGA-O2A
13	A	1120	CLA	C2A-CAA-CBA-CGA
13	G	1120	CLA	C2A-CAA-CBA-CGA
17	e	5001	LHG	C19-C20-C21-C22
13	f	1228	CLA	CBD-CGD-O2D-CED
13	A	1011	CLA	CBA-CGA-O2A-C1
13	3	519	CLA	CBA-CGA-O2A-C1
13	G	1011	CLA	CBA-CGA-O2A-C1
13	e	1011	CLA	CBA-CGA-O2A-C1
13	s	519	CLA	CBA-CGA-O2A-C1
13	B	1228	CLA	O1D-CGD-O2D-CED
13	B	1212	CLA	C3-C5-C6-C7
13	f	1212	CLA	C3-C5-C6-C7
13	5	510	CLA	CAA-CBA-CGA-O2A
13	5	512	CLA	CAA-CBA-CGA-O2A
13	c	510	CLA	CAA-CBA-CGA-O2A
13	c	512	CLA	CAA-CBA-CGA-O2A
13	u	510	CLA	CAA-CBA-CGA-O2A
13	u	512	CLA	CAA-CBA-CGA-O2A
13	B	1240	CLA	C4-C3-C5-C6
13	G	1127	CLA	C4-C3-C5-C6
13	H	1240	CLA	C4-C3-C5-C6
13	H	1228	CLA	O1D-CGD-O2D-CED
13	3	510	CLA	C12-C13-C15-C16
13	a	510	CLA	C12-C13-C15-C16
13	f	1226	CLA	C12-C13-C15-C16
13	s	510	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	6	511	CLA	CAA-CBA-CGA-O2A
13	d	511	CLA	CAA-CBA-CGA-O2A
13	v	511	CLA	CAA-CBA-CGA-O2A
13	L	1501	CLA	C15-C16-C17-C18
13	n	1501	CLA	C15-C16-C17-C18
13	f	1228	CLA	O1D-CGD-O2D-CED
18	T	5105	LMU	O1'-C1-C2-C3
13	V	1501	CLA	C15-C16-C17-C18
16	t	521	BCR	C15-C16-C17-C18
20	B	1852	SQD	O47-C7-C8-C9
20	H	1852	SQD	O47-C7-C8-C9
13	e	1133	CLA	CBD-CGD-O2D-CED
18	l	5105	LMU	O1'-C1-C2-C3
13	4	513	CLA	CAA-CBA-CGA-O2A
13	b	513	CLA	CAA-CBA-CGA-O2A
13	t	513	CLA	CAA-CBA-CGA-O2A
20	L	5216	SQD	O6-C44-C45-O47
20	V	5216	SQD	O6-C44-C45-O47
20	n	5216	SQD	O6-C44-C45-O47
13	A	1124	CLA	CBA-CGA-O2A-C1
13	G	1124	CLA	CBA-CGA-O2A-C1
13	H	1204	CLA	CBA-CGA-O2A-C1
18	J	5105	LMU	O1'-C1-C2-C3
13	l	518	CLA	CAA-CBA-CGA-O1A
13	q	518	CLA	CAA-CBA-CGA-O1A
13	d	507	CLA	CAA-CBA-CGA-O2A
13	v	509	CLA	CAA-CBA-CGA-O1A
13	A	1123	CLA	CAA-CBA-CGA-O2A
13	3	519	CLA	CAA-CBA-CGA-O2A
13	G	1123	CLA	CAA-CBA-CGA-O2A
13	a	519	CLA	CAA-CBA-CGA-O2A
13	e	1123	CLA	CAA-CBA-CGA-O2A
13	s	519	CLA	CAA-CBA-CGA-O2A
17	H	1842	LHG	O7-C7-C8-C9
17	f	1842	LHG	O7-C7-C8-C9
13	G	1126	CLA	O1A-CGA-O2A-C1
13	u	505	CLA	O1D-CGD-O2D-CED
13	Y	518	CLA	CAA-CBA-CGA-O1A
13	5	510	CLA	CAA-CBA-CGA-O1A
13	6	507	CLA	CAA-CBA-CGA-O2A
13	6	509	CLA	CAA-CBA-CGA-O1A
13	6	512	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
13	c	510	CLA	CAA-CBA-CGA-O1A
13	d	509	CLA	CAA-CBA-CGA-O1A
13	u	510	CLA	CAA-CBA-CGA-O1A
13	v	507	CLA	CAA-CBA-CGA-O2A
13	A	1140	CLA	O1D-CGD-O2D-CED
13	B	1204	CLA	CBA-CGA-O2A-C1
13	e	1124	CLA	CBA-CGA-O2A-C1
13	f	1204	CLA	CBA-CGA-O2A-C1
17	e	5003	LHG	C26-C27-C28-C29
17	B	1842	LHG	O7-C7-C8-C9
20	3	822	SQD	O48-C23-C24-C25
20	a	822	SQD	O48-C23-C24-C25
20	f	1852	SQD	O47-C7-C8-C9
20	s	822	SQD	O48-C23-C24-C25
13	A	1013	CLA	C4-C3-C5-C6
13	A	1126	CLA	C4-C3-C5-C6
13	2	513	CLA	C4-C3-C5-C6
13	G	1013	CLA	C4-C3-C5-C6
13	G	1126	CLA	C4-C3-C5-C6
13	Z	513	CLA	C4-C3-C5-C6
13	e	1013	CLA	C4-C3-C5-C6
13	e	1126	CLA	C4-C3-C5-C6
13	f	1240	CLA	C4-C3-C5-C6
13	r	513	CLA	C4-C3-C5-C6
13	2	510	CLA	C13-C15-C16-C17
13	Z	510	CLA	C13-C15-C16-C17
13	r	510	CLA	C13-C15-C16-C17
17	A	5003	LHG	C26-C27-C28-C29
13	4	507	CLA	CAA-CBA-CGA-O2A
13	b	507	CLA	CAA-CBA-CGA-O2A
13	d	512	CLA	CAA-CBA-CGA-O2A
13	q	517	CLA	CAA-CBA-CGA-O2A
13	t	507	CLA	CAA-CBA-CGA-O2A
13	v	512	CLA	CAA-CBA-CGA-O2A
13	e	1126	CLA	O1A-CGA-O2A-C1
13	B	1213	CLA	C2-C3-C5-C6
13	5	503	CLA	C2-C3-C5-C6
13	H	1213	CLA	C2-C3-C5-C6
13	c	503	CLA	C2-C3-C5-C6
13	u	503	CLA	C2-C3-C5-C6
13	A	1022	CLA	C16-C17-C18-C19
13	G	1022	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
13	3	507	CLA	CAA-CBA-CGA-O2A
13	a	507	CLA	CAA-CBA-CGA-O2A
17	G	5003	LHG	C26-C27-C28-C29
13	A	1123	CLA	C11-C12-C13-C14
13	B	1208	CLA	C14-C13-C15-C16
13	B	1234	CLA	C14-C13-C15-C16
13	G	1123	CLA	C11-C12-C13-C14
13	H	1208	CLA	C14-C13-C15-C16
13	H	1234	CLA	C14-C13-C15-C16
13	e	1123	CLA	C11-C12-C13-C14
13	f	1208	CLA	C14-C13-C15-C16
13	f	1234	CLA	C14-C13-C15-C16
13	A	1011	CLA	O1A-CGA-O2A-C1
13	e	1011	CLA	O1A-CGA-O2A-C1
13	1	517	CLA	CAA-CBA-CGA-O2A
13	Y	517	CLA	CAA-CBA-CGA-O2A
13	A	1111	CLA	C3A-C2A-CAA-CBA
13	A	1118	CLA	C3A-C2A-CAA-CBA
13	G	1111	CLA	C3A-C2A-CAA-CBA
13	G	1118	CLA	C3A-C2A-CAA-CBA
13	e	1111	CLA	C3A-C2A-CAA-CBA
13	e	1118	CLA	C3A-C2A-CAA-CBA
13	q	512	CLA	C3A-C2A-CAA-CBA
13	A	1126	CLA	O1A-CGA-O2A-C1
13	B	1205	CLA	O1A-CGA-O2A-C1
13	G	1011	CLA	O1A-CGA-O2A-C1
13	H	1205	CLA	O1A-CGA-O2A-C1
13	f	1205	CLA	O1A-CGA-O2A-C1
13	B	1203	CLA	CAA-CBA-CGA-O2A
13	L	1501	CLA	CAA-CBA-CGA-O2A
13	H	1203	CLA	CAA-CBA-CGA-O2A
13	V	1501	CLA	CAA-CBA-CGA-O2A
13	f	1203	CLA	CAA-CBA-CGA-O2A
13	n	1501	CLA	CAA-CBA-CGA-O2A
13	s	507	CLA	CAA-CBA-CGA-O2A
13	2	516	CLA	CAA-CBA-CGA-O2A
13	Z	516	CLA	CAA-CBA-CGA-O2A
13	c	512	CLA	CAA-CBA-CGA-O1A
13	r	516	CLA	CAA-CBA-CGA-O2A
13	A	1103	CLA	CAD-CBD-CGD-O2D
13	A	1105	CLA	CAD-CBD-CGD-O2D
13	A	1109	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	A	1112	CLA	CAD-CBD-CGD-O2D
13	A	1115	CLA	CAD-CBD-CGD-O2D
13	A	1124	CLA	CAD-CBD-CGD-O2D
13	A	1129	CLA	CAD-CBD-CGD-O2D
13	B	1203	CLA	CAD-CBD-CGD-O2D
13	B	1210	CLA	CAD-CBD-CGD-O2D
13	B	1234	CLA	CAD-CBD-CGD-O2D
13	F	1302	CLA	CAD-CBD-CGD-O2D
13	L	1501	CLA	CAD-CBD-CGD-O2D
13	1	501	CLA	CAD-CBD-CGD-O2D
13	1	512	CLA	CAD-CBD-CGD-O2D
13	1	513	CLA	CAD-CBD-CGD-O2D
13	1	517	CLA	CAD-CBD-CGD-O2D
13	2	501	CLA	CAD-CBD-CGD-O2D
13	2	504	CLA	CAD-CBD-CGD-O2D
13	2	509	CLA	CAD-CBD-CGD-O2D
13	2	510	CLA	CAD-CBD-CGD-O2D
13	2	512	CLA	CAD-CBD-CGD-O2D
13	3	508	CLA	CAD-CBD-CGD-O2D
13	3	509	CLA	CAD-CBD-CGD-O2D
13	4	505	CLA	CAD-CBD-CGD-O2D
13	5	502	CLA	CAD-CBD-CGD-O2D
13	6	502	CLA	CAD-CBD-CGD-O2D
13	6	516	CLA	CAD-CBD-CGD-O2D
13	G	1103	CLA	CAD-CBD-CGD-O2D
13	G	1105	CLA	CAD-CBD-CGD-O2D
13	G	1109	CLA	CAD-CBD-CGD-O2D
13	G	1112	CLA	CAD-CBD-CGD-O2D
13	G	1115	CLA	CAD-CBD-CGD-O2D
13	G	1124	CLA	CAD-CBD-CGD-O2D
13	G	1129	CLA	CAD-CBD-CGD-O2D
13	H	1203	CLA	CAD-CBD-CGD-O2D
13	H	1210	CLA	CAD-CBD-CGD-O2D
13	H	1234	CLA	CAD-CBD-CGD-O2D
13	R	1302	CLA	CAD-CBD-CGD-O2D
13	V	1501	CLA	CAD-CBD-CGD-O2D
13	Y	501	CLA	CAD-CBD-CGD-O2D
13	Y	512	CLA	CAD-CBD-CGD-O2D
13	Y	513	CLA	CAD-CBD-CGD-O2D
13	Y	517	CLA	CAD-CBD-CGD-O2D
13	Z	501	CLA	CAD-CBD-CGD-O2D
13	Z	504	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	Z	509	CLA	CAD-CBD-CGD-O2D
13	Z	510	CLA	CAD-CBD-CGD-O2D
13	Z	512	CLA	CAD-CBD-CGD-O2D
13	a	508	CLA	CAD-CBD-CGD-O2D
13	a	509	CLA	CAD-CBD-CGD-O2D
13	b	505	CLA	CAD-CBD-CGD-O2D
13	c	502	CLA	CAD-CBD-CGD-O2D
13	d	502	CLA	CAD-CBD-CGD-O2D
13	d	516	CLA	CAD-CBD-CGD-O2D
13	e	1103	CLA	CAD-CBD-CGD-O2D
13	e	1105	CLA	CAD-CBD-CGD-O2D
13	e	1109	CLA	CAD-CBD-CGD-O2D
13	e	1112	CLA	CAD-CBD-CGD-O2D
13	e	1115	CLA	CAD-CBD-CGD-O2D
13	e	1124	CLA	CAD-CBD-CGD-O2D
13	e	1129	CLA	CAD-CBD-CGD-O2D
13	f	1203	CLA	CAD-CBD-CGD-O2D
13	f	1210	CLA	CAD-CBD-CGD-O2D
13	f	1234	CLA	CAD-CBD-CGD-O2D
13	j	1302	CLA	CAD-CBD-CGD-O2D
13	n	1501	CLA	CAD-CBD-CGD-O2D
13	q	501	CLA	CAD-CBD-CGD-O2D
13	q	512	CLA	CAD-CBD-CGD-O2D
13	q	513	CLA	CAD-CBD-CGD-O2D
13	q	517	CLA	CAD-CBD-CGD-O2D
13	r	501	CLA	CAD-CBD-CGD-O2D
13	r	504	CLA	CAD-CBD-CGD-O2D
13	r	509	CLA	CAD-CBD-CGD-O2D
13	r	510	CLA	CAD-CBD-CGD-O2D
13	r	512	CLA	CAD-CBD-CGD-O2D
13	s	508	CLA	CAD-CBD-CGD-O2D
13	s	509	CLA	CAD-CBD-CGD-O2D
13	t	505	CLA	CAD-CBD-CGD-O2D
13	u	502	CLA	CAD-CBD-CGD-O2D
13	v	502	CLA	CAD-CBD-CGD-O2D
13	v	516	CLA	CAD-CBD-CGD-O2D
13	e	1022	CLA	C16-C17-C18-C19
19	f	5002	LMG	C38-C39-C40-C41
13	5	505	CLA	O1D-CGD-O2D-CED
13	e	1140	CLA	O1D-CGD-O2D-CED
13	e	1127	CLA	O1A-CGA-O2A-C1
13	q	503	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
19	B	5002	LMG	C38-C39-C40-C41
13	5	513	CLA	CAA-CBA-CGA-O2A
13	6	504	CLA	CAA-CBA-CGA-O2A
13	6	516	CLA	CAA-CBA-CGA-O2A
13	c	513	CLA	CAA-CBA-CGA-O2A
13	d	504	CLA	CAA-CBA-CGA-O2A
13	d	516	CLA	CAA-CBA-CGA-O2A
13	u	513	CLA	CAA-CBA-CGA-O2A
13	v	504	CLA	CAA-CBA-CGA-O2A
13	1	503	CLA	C15-C16-C17-C18
19	H	5002	LMG	C38-C39-C40-C41
17	A	5003	LHG	O7-C7-C8-C9
17	G	5003	LHG	O7-C7-C8-C9
17	e	5003	LHG	O7-C7-C8-C9
13	Y	503	CLA	C15-C16-C17-C18
13	A	1127	CLA	O1A-CGA-O2A-C1
13	G	1127	CLA	O1A-CGA-O2A-C1
13	5	512	CLA	CAA-CBA-CGA-O1A
13	c	507	CLA	CAA-CBA-CGA-O1A
13	u	512	CLA	CAA-CBA-CGA-O1A
13	v	516	CLA	CAA-CBA-CGA-O2A
13	G	1140	CLA	O1D-CGD-O2D-CED
13	A	1126	CLA	C2-C3-C5-C6
13	G	1126	CLA	C2-C3-C5-C6
13	e	1126	CLA	C2-C3-C5-C6
13	f	1213	CLA	C2-C3-C5-C6
13	A	1237	CLA	CAA-CBA-CGA-O2A
13	5	501	CLA	CAA-CBA-CGA-O2A
13	G	1237	CLA	CAA-CBA-CGA-O2A
13	c	501	CLA	CAA-CBA-CGA-O2A
13	e	1237	CLA	CAA-CBA-CGA-O2A
13	u	501	CLA	CAA-CBA-CGA-O2A
19	B	5002	LMG	O7-C10-C11-C12
19	f	5002	LMG	O7-C10-C11-C12
16	Y	524	BCR	C11-C12-C13-C14
13	4	513	CLA	CAA-CBA-CGA-O1A
13	5	507	CLA	CAA-CBA-CGA-O1A
13	5	505	CLA	CBD-CGD-O2D-CED
13	u	505	CLA	CBD-CGD-O2D-CED
13	c	505	CLA	O1D-CGD-O2D-CED
13	B	1206	CLA	CAA-CBA-CGA-O2A
13	H	1206	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
13	U	1401	CLA	CAA-CBA-CGA-O2A
13	a	501	CLA	CAA-CBA-CGA-O2A
13	f	1206	CLA	CAA-CBA-CGA-O2A
13	m	1401	CLA	CAA-CBA-CGA-O2A
19	H	5002	LMG	O7-C10-C11-C12
20	H	1852	SQD	C30-C31-C32-C33
20	f	1852	SQD	C30-C31-C32-C33
13	5	517	CLA	CAA-CBA-CGA-O2A
13	6	511	CLA	CAA-CBA-CGA-O1A
13	b	513	CLA	CAA-CBA-CGA-O1A
13	c	517	CLA	CAA-CBA-CGA-O2A
13	d	511	CLA	CAA-CBA-CGA-O1A
13	t	513	CLA	CAA-CBA-CGA-O1A
13	u	507	CLA	CAA-CBA-CGA-O1A
13	u	517	CLA	CAA-CBA-CGA-O2A
13	v	511	CLA	CAA-CBA-CGA-O1A
13	c	505	CLA	CBD-CGD-O2D-CED
20	B	1852	SQD	C30-C31-C32-C33
13	G	1123	CLA	C8-C10-C11-C12
13	A	1125	CLA	O2A-C1-C2-C3
13	G	1125	CLA	O2A-C1-C2-C3
13	e	1125	CLA	O2A-C1-C2-C3
17	e	5007	LHG	C27-C28-C29-C30
13	A	1106	CLA	CAA-CBA-CGA-O2A
13	K	1401	CLA	CAA-CBA-CGA-O2A
13	3	501	CLA	CAA-CBA-CGA-O2A
13	4	519	CLA	CAA-CBA-CGA-O2A
13	G	1106	CLA	CAA-CBA-CGA-O2A
13	b	519	CLA	CAA-CBA-CGA-O2A
13	e	1106	CLA	CAA-CBA-CGA-O2A
13	s	501	CLA	CAA-CBA-CGA-O2A
13	t	519	CLA	CAA-CBA-CGA-O2A
17	L	5220	LHG	O8-C23-C24-C25
17	n	5220	LHG	O8-C23-C24-C25
13	B	1224	CLA	CAA-CBA-CGA-O1A
13	H	1224	CLA	CAA-CBA-CGA-O1A
13	f	1224	CLA	CAA-CBA-CGA-O1A
13	1	516	CLA	CAA-CBA-CGA-O1A
13	5	513	CLA	CAA-CBA-CGA-O1A
13	6	507	CLA	CAA-CBA-CGA-O1A
13	Y	516	CLA	CAA-CBA-CGA-O1A
13	c	513	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
13	d	504	CLA	CAA-CBA-CGA-O1A
13	q	516	CLA	CAA-CBA-CGA-O1A
13	t	507	CLA	CAA-CBA-CGA-O1A
13	u	513	CLA	CAA-CBA-CGA-O1A
13	v	507	CLA	CAA-CBA-CGA-O1A
13	A	1123	CLA	C8-C10-C11-C12
13	e	1123	CLA	C8-C10-C11-C12
17	A	5007	LHG	C27-C28-C29-C30
17	L	5221	LHG	C7-C8-C9-C10
17	V	5221	LHG	C7-C8-C9-C10
17	G	5007	LHG	C27-C28-C29-C30
13	A	1011	CLA	CHA-CBD-CGD-O2D
13	A	1111	CLA	CHA-CBD-CGD-O2D
13	A	1113	CLA	CHA-CBD-CGD-O1D
13	A	1118	CLA	CHA-CBD-CGD-O2D
13	A	1119	CLA	CHA-CBD-CGD-O1D
13	A	1119	CLA	CHA-CBD-CGD-O2D
13	A	1138	CLA	CHA-CBD-CGD-O1D
13	A	1138	CLA	CHA-CBD-CGD-O2D
13	A	1139	CLA	CHA-CBD-CGD-O1D
13	A	1139	CLA	CHA-CBD-CGD-O2D
13	A	1801	CLA	CHA-CBD-CGD-O2D
13	B	1202	CLA	CHA-CBD-CGD-O2D
13	B	1213	CLA	CHA-CBD-CGD-O1D
13	B	1213	CLA	CHA-CBD-CGD-O2D
13	B	1220	CLA	CHA-CBD-CGD-O1D
13	B	1220	CLA	CHA-CBD-CGD-O2D
13	B	1221	CLA	CHA-CBD-CGD-O1D
13	B	1221	CLA	CHA-CBD-CGD-O2D
13	B	1226	CLA	CHA-CBD-CGD-O1D
13	B	1226	CLA	CHA-CBD-CGD-O2D
13	B	1232	CLA	CHA-CBD-CGD-O2D
13	1	502	CLA	CHA-CBD-CGD-O2D
13	1	507	CLA	CHA-CBD-CGD-O1D
13	1	507	CLA	CHA-CBD-CGD-O2D
13	1	518	CLA	CHA-CBD-CGD-O1D
13	1	518	CLA	CHA-CBD-CGD-O2D
13	2	517	CLA	CHA-CBD-CGD-O2D
13	3	502	CLA	CHA-CBD-CGD-O1D
13	3	502	CLA	CHA-CBD-CGD-O2D
13	3	507	CLA	CHA-CBD-CGD-O2D
13	3	519	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	4	510	CLA	CHA-CBD-CGD-O1D
13	4	512	CLA	CHA-CBD-CGD-O1D
13	4	516	CLA	CHA-CBD-CGD-O2D
13	4	517	CLA	CHA-CBD-CGD-O2D
13	4	518	CLA	CHA-CBD-CGD-O1D
13	5	505	CLA	CHA-CBD-CGD-O2D
13	5	512	CLA	CHA-CBD-CGD-O1D
13	5	518	CLA	CHA-CBD-CGD-O1D
13	6	519	CLA	CHA-CBD-CGD-O2D
13	G	1011	CLA	CHA-CBD-CGD-O2D
13	G	1111	CLA	CHA-CBD-CGD-O2D
13	G	1113	CLA	CHA-CBD-CGD-O1D
13	G	1118	CLA	CHA-CBD-CGD-O2D
13	G	1119	CLA	CHA-CBD-CGD-O1D
13	G	1119	CLA	CHA-CBD-CGD-O2D
13	G	1138	CLA	CHA-CBD-CGD-O1D
13	G	1138	CLA	CHA-CBD-CGD-O2D
13	G	1139	CLA	CHA-CBD-CGD-O1D
13	G	1139	CLA	CHA-CBD-CGD-O2D
13	G	1801	CLA	CHA-CBD-CGD-O2D
13	H	1202	CLA	CHA-CBD-CGD-O2D
13	H	1213	CLA	CHA-CBD-CGD-O1D
13	H	1213	CLA	CHA-CBD-CGD-O2D
13	H	1220	CLA	CHA-CBD-CGD-O1D
13	H	1220	CLA	CHA-CBD-CGD-O2D
13	H	1221	CLA	CHA-CBD-CGD-O1D
13	H	1221	CLA	CHA-CBD-CGD-O2D
13	H	1226	CLA	CHA-CBD-CGD-O1D
13	H	1226	CLA	CHA-CBD-CGD-O2D
13	H	1232	CLA	CHA-CBD-CGD-O2D
13	Y	502	CLA	CHA-CBD-CGD-O2D
13	Y	507	CLA	CHA-CBD-CGD-O1D
13	Y	507	CLA	CHA-CBD-CGD-O2D
13	Y	518	CLA	CHA-CBD-CGD-O1D
13	Y	518	CLA	CHA-CBD-CGD-O2D
13	Z	517	CLA	CHA-CBD-CGD-O2D
13	a	502	CLA	CHA-CBD-CGD-O1D
13	a	502	CLA	CHA-CBD-CGD-O2D
13	a	507	CLA	CHA-CBD-CGD-O2D
13	a	519	CLA	CHA-CBD-CGD-O1D
13	b	510	CLA	CHA-CBD-CGD-O1D
13	b	512	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	b	516	CLA	CHA-CBD-CGD-O2D
13	b	517	CLA	CHA-CBD-CGD-O2D
13	b	518	CLA	CHA-CBD-CGD-O1D
13	c	505	CLA	CHA-CBD-CGD-O2D
13	c	512	CLA	CHA-CBD-CGD-O1D
13	c	518	CLA	CHA-CBD-CGD-O1D
13	d	509	CLA	CHA-CBD-CGD-O1D
13	d	519	CLA	CHA-CBD-CGD-O2D
13	e	1011	CLA	CHA-CBD-CGD-O2D
13	e	1111	CLA	CHA-CBD-CGD-O2D
13	e	1113	CLA	CHA-CBD-CGD-O1D
13	e	1118	CLA	CHA-CBD-CGD-O2D
13	e	1119	CLA	CHA-CBD-CGD-O1D
13	e	1119	CLA	CHA-CBD-CGD-O2D
13	e	1138	CLA	CHA-CBD-CGD-O1D
13	e	1138	CLA	CHA-CBD-CGD-O2D
13	e	1139	CLA	CHA-CBD-CGD-O1D
13	e	1139	CLA	CHA-CBD-CGD-O2D
13	e	1801	CLA	CHA-CBD-CGD-O2D
13	f	1202	CLA	CHA-CBD-CGD-O2D
13	f	1213	CLA	CHA-CBD-CGD-O1D
13	f	1213	CLA	CHA-CBD-CGD-O2D
13	f	1220	CLA	CHA-CBD-CGD-O1D
13	f	1220	CLA	CHA-CBD-CGD-O2D
13	f	1221	CLA	CHA-CBD-CGD-O1D
13	f	1221	CLA	CHA-CBD-CGD-O2D
13	f	1226	CLA	CHA-CBD-CGD-O1D
13	f	1226	CLA	CHA-CBD-CGD-O2D
13	f	1232	CLA	CHA-CBD-CGD-O2D
13	q	502	CLA	CHA-CBD-CGD-O2D
13	q	507	CLA	CHA-CBD-CGD-O1D
13	q	507	CLA	CHA-CBD-CGD-O2D
13	q	518	CLA	CHA-CBD-CGD-O1D
13	q	518	CLA	CHA-CBD-CGD-O2D
13	r	517	CLA	CHA-CBD-CGD-O2D
13	s	502	CLA	CHA-CBD-CGD-O1D
13	s	502	CLA	CHA-CBD-CGD-O2D
13	s	505	CLA	CHA-CBD-CGD-O2D
13	s	507	CLA	CHA-CBD-CGD-O2D
13	s	519	CLA	CHA-CBD-CGD-O1D
13	t	510	CLA	CHA-CBD-CGD-O1D
13	t	512	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	t	516	CLA	CHA-CBD-CGD-O2D
13	t	517	CLA	CHA-CBD-CGD-O2D
13	t	518	CLA	CHA-CBD-CGD-O1D
13	u	505	CLA	CHA-CBD-CGD-O2D
13	u	512	CLA	CHA-CBD-CGD-O1D
13	u	518	CLA	CHA-CBD-CGD-O1D
13	v	509	CLA	CHA-CBD-CGD-O1D
13	v	519	CLA	CHA-CBD-CGD-O2D
16	B	4009	BCR	C19-C20-C21-C22
16	f	4009	BCR	C19-C20-C21-C22
13	4	507	CLA	CAA-CBA-CGA-O1A
13	5	517	CLA	CAA-CBA-CGA-O1A
13	b	507	CLA	CAA-CBA-CGA-O1A
13	c	517	CLA	CAA-CBA-CGA-O1A
13	d	507	CLA	CAA-CBA-CGA-O1A
13	u	517	CLA	CAA-CBA-CGA-O1A
13	l	501	CLA	CAA-CBA-CGA-O2A
13	Y	501	CLA	CAA-CBA-CGA-O2A
13	q	501	CLA	CAA-CBA-CGA-O2A
13	l	507	CLA	C3-C5-C6-C7
13	Y	507	CLA	C3-C5-C6-C7
13	q	507	CLA	C3-C5-C6-C7
13	2	516	CLA	CAA-CBA-CGA-O1A
13	6	504	CLA	CAA-CBA-CGA-O1A
13	r	516	CLA	CAA-CBA-CGA-O1A
13	v	504	CLA	CAA-CBA-CGA-O1A
13	Z	505	CLA	C13-C15-C16-C17
13	A	1135	CLA	CAA-CBA-CGA-O2A
13	B	1221	CLA	CAA-CBA-CGA-O2A
13	G	1135	CLA	CAA-CBA-CGA-O2A
13	e	1135	CLA	CAA-CBA-CGA-O2A
13	f	1221	CLA	CAA-CBA-CGA-O2A
17	V	5220	LHG	O8-C23-C24-C25
17	H	1855	LHG	C16-C17-C18-C19
17	f	1855	LHG	C16-C17-C18-C19
18	A	1848	LMU	C7-C8-C9-C10
18	G	1848	LMU	C7-C8-C9-C10
20	5	822	SQD	O10-C23-C24-C25
20	c	822	SQD	O10-C23-C24-C25
20	u	822	SQD	O10-C23-C24-C25
17	n	5221	LHG	C7-C8-C9-C10
17	B	1855	LHG	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
17	n	5218	LHG	C25-C26-C27-C28
18	e	1848	LMU	C7-C8-C9-C10
13	2	505	CLA	C13-C15-C16-C17
13	r	505	CLA	C13-C15-C16-C17
13	5	508	CLA	CAA-CBA-CGA-O2A
13	Z	516	CLA	CAA-CBA-CGA-O1A
13	c	508	CLA	CAA-CBA-CGA-O2A
13	d	512	CLA	CAA-CBA-CGA-O1A
13	u	508	CLA	CAA-CBA-CGA-O2A
13	v	512	CLA	CAA-CBA-CGA-O1A
13	v	516	CLA	CAA-CBA-CGA-O1A
17	V	5218	LHG	C25-C26-C27-C28
13	f	1215	CLA	C15-C16-C17-C18
13	A	1107	CLA	CAA-CBA-CGA-O2A
13	G	1107	CLA	CAA-CBA-CGA-O2A
13	H	1221	CLA	CAA-CBA-CGA-O2A
13	e	1107	CLA	CAA-CBA-CGA-O2A
17	L	5218	LHG	C25-C26-C27-C28
13	v	501	CLA	C2A-CAA-CBA-CGA
13	F	1302	CLA	CAA-CBA-CGA-O1A
13	6	512	CLA	CAA-CBA-CGA-O1A
13	6	516	CLA	CAA-CBA-CGA-O1A
13	b	516	CLA	CAA-CBA-CGA-O1A
13	d	516	CLA	CAA-CBA-CGA-O1A
13	A	1107	CLA	C8-C10-C11-C12
13	B	1215	CLA	C15-C16-C17-C18
13	G	1107	CLA	C8-C10-C11-C12
13	H	1215	CLA	C15-C16-C17-C18
13	e	1107	CLA	C8-C10-C11-C12
13	A	1127	CLA	CBA-CGA-O2A-C1
13	G	1127	CLA	CBA-CGA-O2A-C1
13	e	1127	CLA	CBA-CGA-O2A-C1
13	6	501	CLA	CAA-CBA-CGA-O2A
13	d	501	CLA	CAA-CBA-CGA-O2A
13	v	501	CLA	CAA-CBA-CGA-O2A
17	A	5001	LHG	O8-C23-C24-C25
17	G	5001	LHG	O8-C23-C24-C25
17	e	5001	LHG	O8-C23-C24-C25
13	4	516	CLA	CAA-CBA-CGA-O1A
13	j	1302	CLA	CAA-CBA-CGA-O1A
13	t	516	CLA	CAA-CBA-CGA-O1A
13	H	1023	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	G	5005	LHG	C33-C34-C35-C36
13	B	1226	CLA	C12-C13-C15-C16
13	2	505	CLA	C12-C13-C15-C16
13	2	513	CLA	C2-C3-C5-C6
13	H	1226	CLA	C12-C13-C15-C16
13	Z	505	CLA	C12-C13-C15-C16
13	Z	513	CLA	C2-C3-C5-C6
13	r	505	CLA	C12-C13-C15-C16
13	r	513	CLA	C2-C3-C5-C6
17	A	5005	LHG	C33-C34-C35-C36
13	A	1108	CLA	CAA-CBA-CGA-O2A
13	B	1219	CLA	CAA-CBA-CGA-O2A
13	4	501	CLA	CAA-CBA-CGA-O2A
13	G	1108	CLA	CAA-CBA-CGA-O2A
13	H	1219	CLA	CAA-CBA-CGA-O2A
13	b	501	CLA	CAA-CBA-CGA-O2A
13	e	1108	CLA	CAA-CBA-CGA-O2A
13	f	1219	CLA	CAA-CBA-CGA-O2A
13	t	501	CLA	CAA-CBA-CGA-O2A
13	R	1302	CLA	CAA-CBA-CGA-O1A
17	e	5005	LHG	C33-C34-C35-C36
19	J	5104	LMG	C29-C30-C31-C32
19	l	5104	LMG	C29-C30-C31-C32
13	A	1119	CLA	C14-C13-C15-C16
13	A	1126	CLA	C14-C13-C15-C16
13	B	1203	CLA	C11-C10-C8-C9
13	B	1229	CLA	C11-C10-C8-C9
13	G	1119	CLA	C14-C13-C15-C16
13	G	1126	CLA	C14-C13-C15-C16
13	H	1203	CLA	C11-C10-C8-C9
13	H	1229	CLA	C11-C10-C8-C9
13	e	1119	CLA	C14-C13-C15-C16
13	e	1126	CLA	C14-C13-C15-C16
13	f	1203	CLA	C11-C10-C8-C9
13	f	1229	CLA	C11-C10-C8-C9
16	5	521	BCR	C9-C10-C11-C12
16	H	4009	BCR	C19-C20-C21-C22
16	c	521	BCR	C9-C10-C11-C12
16	u	521	BCR	C9-C10-C11-C12
19	T	5104	LMG	C29-C30-C31-C32
20	l	822	SQD	C11-C12-C13-C14
20	Y	822	SQD	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
13	f	1023	CLA	C8-C10-C11-C12
20	B	1852	SQD	C5-C6-S-O8
20	3	822	SQD	C5-C6-S-O8
20	H	1852	SQD	C5-C6-S-O8
20	a	822	SQD	C5-C6-S-O8
20	f	1852	SQD	C5-C6-S-O8
20	s	822	SQD	C5-C6-S-O8
20	q	822	SQD	C11-C12-C13-C14
13	B	1023	CLA	C8-C10-C11-C12
13	1	517	CLA	CAA-CBA-CGA-O1A
13	A	1110	CLA	C2A-CAA-CBA-CGA
13	A	1117	CLA	C2A-CAA-CBA-CGA
13	6	501	CLA	C2A-CAA-CBA-CGA
13	G	1117	CLA	C2A-CAA-CBA-CGA
13	d	501	CLA	C2A-CAA-CBA-CGA
13	e	1110	CLA	C2A-CAA-CBA-CGA
13	e	1117	CLA	C2A-CAA-CBA-CGA
13	4	519	CLA	CAA-CBA-CGA-O1A
13	b	519	CLA	CAA-CBA-CGA-O1A
13	t	519	CLA	CAA-CBA-CGA-O1A
17	A	5005	LHG	C32-C33-C34-C35
17	G	5005	LHG	C32-C33-C34-C35
18	Z	901	LMU	C3-C4-C5-C6
17	e	5005	LHG	C32-C33-C34-C35
18	2	901	LMU	C3-C4-C5-C6
18	r	901	LMU	C3-C4-C5-C6
13	Y	517	CLA	CAA-CBA-CGA-O1A
13	q	517	CLA	CAA-CBA-CGA-O1A
16	1	521	BCR	C36-C18-C19-C20
16	q	521	BCR	C36-C18-C19-C20
13	B	1206	CLA	CAA-CBA-CGA-O1A
13	3	519	CLA	CAA-CBA-CGA-O1A
13	H	1206	CLA	CAA-CBA-CGA-O1A
13	a	519	CLA	CAA-CBA-CGA-O1A
13	s	519	CLA	CAA-CBA-CGA-O1A
13	Z	511	CLA	C4-C3-C5-C6
20	Z	822	SQD	C25-C26-C27-C28
17	G	5006	LHG	O8-C23-C24-C25
20	2	822	SQD	C25-C26-C27-C28
20	r	822	SQD	C25-C26-C27-C28
13	f	1206	CLA	CAA-CBA-CGA-O1A
16	1	524	BCR	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
16	q	524	BCR	C11-C12-C13-C14
13	e	1126	CLA	CBA-CGA-O2A-C1
13	B	1012	CLA	C1A-C2A-CAA-CBA
13	L	1502	CLA	C1A-C2A-CAA-CBA
13	1	512	CLA	C1A-C2A-CAA-CBA
13	1	518	CLA	C1A-C2A-CAA-CBA
13	4	502	CLA	C1A-C2A-CAA-CBA
13	5	505	CLA	C1A-C2A-CAA-CBA
13	5	517	CLA	C1A-C2A-CAA-CBA
13	H	1012	CLA	C1A-C2A-CAA-CBA
13	V	1502	CLA	C1A-C2A-CAA-CBA
13	Y	512	CLA	C1A-C2A-CAA-CBA
13	Y	518	CLA	C1A-C2A-CAA-CBA
13	b	502	CLA	C1A-C2A-CAA-CBA
13	c	505	CLA	C1A-C2A-CAA-CBA
13	c	517	CLA	C1A-C2A-CAA-CBA
13	f	1012	CLA	C1A-C2A-CAA-CBA
13	n	1502	CLA	C1A-C2A-CAA-CBA
13	q	503	CLA	C1A-C2A-CAA-CBA
13	q	512	CLA	C1A-C2A-CAA-CBA
13	q	518	CLA	C1A-C2A-CAA-CBA
13	t	502	CLA	C1A-C2A-CAA-CBA
13	u	505	CLA	C1A-C2A-CAA-CBA
13	u	517	CLA	C1A-C2A-CAA-CBA
13	A	1123	CLA	CAA-CBA-CGA-O1A
13	3	501	CLA	CAA-CBA-CGA-O1A
13	e	1123	CLA	CAA-CBA-CGA-O1A
13	s	507	CLA	CAA-CBA-CGA-O1A
17	A	5006	LHG	O8-C23-C24-C25
13	H	1023	CLA	C13-C15-C16-C17
13	A	1124	CLA	O1A-CGA-O2A-C1
13	B	1204	CLA	O1A-CGA-O2A-C1
13	H	1204	CLA	O1A-CGA-O2A-C1
13	e	1124	CLA	O1A-CGA-O2A-C1
13	f	1204	CLA	O1A-CGA-O2A-C1
13	A	1126	CLA	CBA-CGA-O2A-C1
13	G	1126	CLA	CBA-CGA-O2A-C1
13	3	507	CLA	CAA-CBA-CGA-O1A
13	G	1123	CLA	CAA-CBA-CGA-O1A
13	s	501	CLA	CAA-CBA-CGA-O1A
17	A	5007	LHG	O9-C7-C8-C9
20	f	1852	SQD	O49-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	B	1023	CLA	C13-C15-C16-C17
13	f	1023	CLA	C13-C15-C16-C17
13	G	1110	CLA	C2A-CAA-CBA-CGA
13	a	501	CLA	CAA-CBA-CGA-O1A
13	a	507	CLA	CAA-CBA-CGA-O1A
13	f	1203	CLA	CAA-CBA-CGA-O1A
17	e	5007	LHG	O9-C7-C8-C9
20	B	1852	SQD	O49-C7-C8-C9
20	H	1852	SQD	O49-C7-C8-C9
13	G	1124	CLA	O1A-CGA-O2A-C1
13	B	1213	CLA	C4-C3-C5-C6
13	H	1213	CLA	C4-C3-C5-C6
13	f	1213	CLA	C4-C3-C5-C6
17	G	5008	LHG	O7-C7-C8-C9
17	e	5006	LHG	O8-C23-C24-C25
13	A	1011	CLA	C8-C10-C11-C12
13	e	1011	CLA	C8-C10-C11-C12
13	B	1203	CLA	CAA-CBA-CGA-O1A
13	H	1203	CLA	CAA-CBA-CGA-O1A
13	Y	501	CLA	CAA-CBA-CGA-O1A
17	G	5007	LHG	O9-C7-C8-C9
20	s	822	SQD	O10-C23-C24-C25
13	5	508	CLA	CAA-CBA-CGA-O1A
13	c	508	CLA	CAA-CBA-CGA-O1A
13	u	508	CLA	CAA-CBA-CGA-O1A
13	A	1133	CLA	C15-C16-C17-C18
13	4	519	CLA	C5-C6-C7-C8
13	G	1011	CLA	C8-C10-C11-C12
13	b	519	CLA	C5-C6-C7-C8
13	t	519	CLA	C5-C6-C7-C8
17	e	5001	LHG	C28-C29-C30-C31
17	A	5006	LHG	C3-O3-P-O5
17	A	5009	LHG	C4-O6-P-O5
17	A	5001	LHG	C3-O3-P-O5
17	B	1842	LHG	C3-O3-P-O4
17	G	5006	LHG	C3-O3-P-O5
17	G	5009	LHG	C4-O6-P-O5
17	G	5001	LHG	C3-O3-P-O5
17	H	1842	LHG	C3-O3-P-O4
17	e	5006	LHG	C3-O3-P-O5
17	e	5009	LHG	C4-O6-P-O5
17	e	5001	LHG	C3-O3-P-O5

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Mol	Chain	Res	Type	Atoms
17	f	1842	LHG	C3-O3-P-O4
13	A	1106	CLA	CAA-CBA-CGA-O1A
13	B	1221	CLA	CAA-CBA-CGA-O1A
13	K	1401	CLA	CAA-CBA-CGA-O1A
13	l	501	CLA	CAA-CBA-CGA-O1A
13	H	1221	CLA	CAA-CBA-CGA-O1A
13	U	1401	CLA	CAA-CBA-CGA-O1A
13	f	1221	CLA	CAA-CBA-CGA-O1A
13	m	1401	CLA	CAA-CBA-CGA-O1A
13	q	501	CLA	CAA-CBA-CGA-O1A
17	B	1842	LHG	O9-C7-C8-C9
17	f	1842	LHG	O9-C7-C8-C9
20	3	822	SQD	O10-C23-C24-C25
20	a	822	SQD	O10-C23-C24-C25
13	A	1137	CLA	CAA-CBA-CGA-O2A
13	G	1137	CLA	CAA-CBA-CGA-O2A
13	e	1137	CLA	CAA-CBA-CGA-O2A
17	A	5008	LHG	O7-C7-C8-C9
17	e	5008	LHG	O7-C7-C8-C9
13	G	1133	CLA	C15-C16-C17-C18
17	A	5001	LHG	C28-C29-C30-C31
16	A	4008	BCR	C5-C6-C7-C8
16	B	4014	BCR	C5-C6-C7-C8
16	B	4014	BCR	C23-C24-C25-C26
16	G	4008	BCR	C5-C6-C7-C8
16	H	4014	BCR	C5-C6-C7-C8
16	H	4014	BCR	C23-C24-C25-C26
16	e	4008	BCR	C5-C6-C7-C8
16	f	4014	BCR	C5-C6-C7-C8
16	f	4014	BCR	C23-C24-C25-C26
13	H	1222	CLA	O1D-CGD-O2D-CED
13	A	1123	CLA	C10-C11-C12-C13
13	A	1138	CLA	C15-C16-C17-C18
13	B	1021	CLA	C13-C15-C16-C17
13	L	1502	CLA	C8-C10-C11-C12
13	G	1123	CLA	C10-C11-C12-C13
13	G	1138	CLA	C15-C16-C17-C18
13	H	1021	CLA	C13-C15-C16-C17
13	V	1502	CLA	C8-C10-C11-C12
13	e	1123	CLA	C10-C11-C12-C13
13	e	1133	CLA	C15-C16-C17-C18
13	e	1138	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
13	f	1021	CLA	C13-C15-C16-C17
13	n	1502	CLA	C8-C10-C11-C12
13	L	1501	CLA	CAA-CBA-CGA-O1A
13	5	501	CLA	CAA-CBA-CGA-O1A
13	G	1106	CLA	CAA-CBA-CGA-O1A
13	V	1501	CLA	CAA-CBA-CGA-O1A
13	e	1106	CLA	CAA-CBA-CGA-O1A
17	H	1842	LHG	O9-C7-C8-C9
19	B	5002	LMG	O10-C28-C29-C30
19	H	5002	LMG	O10-C28-C29-C30
19	f	5002	LMG	O10-C28-C29-C30
17	G	5001	LHG	C28-C29-C30-C31
17	G	5007	LHG	O7-C7-C8-C9
13	A	1108	CLA	CAA-CBA-CGA-O1A
13	A	1237	CLA	CAA-CBA-CGA-O1A
13	B	1219	CLA	CAA-CBA-CGA-O1A
13	G	1108	CLA	CAA-CBA-CGA-O1A
13	G	1237	CLA	CAA-CBA-CGA-O1A
13	H	1219	CLA	CAA-CBA-CGA-O1A
13	e	1108	CLA	CAA-CBA-CGA-O1A
13	e	1237	CLA	CAA-CBA-CGA-O1A
13	f	1219	CLA	CAA-CBA-CGA-O1A
13	u	501	CLA	CAA-CBA-CGA-O1A
17	A	5008	LHG	O9-C7-C8-C9
17	G	5008	LHG	O9-C7-C8-C9
17	e	5008	LHG	O9-C7-C8-C9
13	5	519	CLA	CAA-CBA-CGA-O2A
13	c	519	CLA	CAA-CBA-CGA-O2A
17	A	5007	LHG	O7-C7-C8-C9
13	H	1229	CLA	C10-C11-C12-C13
13	B	1222	CLA	O1D-CGD-O2D-CED
13	c	501	CLA	CAA-CBA-CGA-O1A
13	n	1501	CLA	CAA-CBA-CGA-O1A
13	2	511	CLA	C4-C3-C5-C6
13	r	511	CLA	C4-C3-C5-C6
13	4	516	CLA	CAA-CBA-CGA-O2A
13	b	516	CLA	CAA-CBA-CGA-O2A
13	t	516	CLA	CAA-CBA-CGA-O2A
13	A	1111	CLA	CAD-CBD-CGD-O1D
13	A	1113	CLA	CAD-CBD-CGD-O1D
13	A	1118	CLA	CAD-CBD-CGD-O1D
13	A	1119	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	B	1021	CLA	CAD-CBD-CGD-O1D
13	B	1225	CLA	CAD-CBD-CGD-O1D
13	2	517	CLA	CAD-CBD-CGD-O1D
13	4	501	CLA	CAD-CBD-CGD-O1D
13	4	516	CLA	CAD-CBD-CGD-O1D
13	6	509	CLA	CAD-CBD-CGD-O1D
13	G	1111	CLA	CAD-CBD-CGD-O1D
13	G	1113	CLA	CAD-CBD-CGD-O1D
13	G	1118	CLA	CAD-CBD-CGD-O1D
13	G	1119	CLA	CAD-CBD-CGD-O1D
13	H	1021	CLA	CAD-CBD-CGD-O1D
13	Z	517	CLA	CAD-CBD-CGD-O1D
13	b	501	CLA	CAD-CBD-CGD-O1D
13	b	516	CLA	CAD-CBD-CGD-O1D
13	d	509	CLA	CAD-CBD-CGD-O1D
13	e	1111	CLA	CAD-CBD-CGD-O1D
13	e	1113	CLA	CAD-CBD-CGD-O1D
13	e	1118	CLA	CAD-CBD-CGD-O1D
13	e	1119	CLA	CAD-CBD-CGD-O1D
13	f	1021	CLA	CAD-CBD-CGD-O1D
13	r	517	CLA	CAD-CBD-CGD-O1D
13	t	501	CLA	CAD-CBD-CGD-O1D
13	t	516	CLA	CAD-CBD-CGD-O1D
13	v	509	CLA	CAD-CBD-CGD-O1D
20	L	5216	SQD	O5-C5-C6-S
20	5	822	SQD	O5-C5-C6-S
20	6	822	SQD	O5-C5-C6-S
20	V	5216	SQD	O5-C5-C6-S
20	c	822	SQD	O5-C5-C6-S
20	d	822	SQD	O5-C5-C6-S
20	n	5216	SQD	O5-C5-C6-S
20	u	822	SQD	O5-C5-C6-S
20	v	822	SQD	O5-C5-C6-S
13	A	1135	CLA	CAA-CBA-CGA-O1A
13	4	501	CLA	CAA-CBA-CGA-O1A
13	G	1135	CLA	CAA-CBA-CGA-O1A
13	e	1135	CLA	CAA-CBA-CGA-O1A
13	q	512	CLA	CAA-CBA-CGA-O2A
13	u	519	CLA	CAA-CBA-CGA-O2A
17	e	5007	LHG	O7-C7-C8-C9
13	B	1229	CLA	C10-C11-C12-C13
13	f	1229	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
13	A	1133	CLA	C14-C13-C15-C16
13	B	1226	CLA	C11-C10-C8-C9
13	2	513	CLA	C14-C13-C15-C16
13	3	505	CLA	C11-C12-C13-C14
13	3	510	CLA	C14-C13-C15-C16
13	G	1133	CLA	C14-C13-C15-C16
13	H	1226	CLA	C11-C10-C8-C9
13	Z	513	CLA	C14-C13-C15-C16
13	a	505	CLA	C11-C12-C13-C14
13	a	510	CLA	C14-C13-C15-C16
13	e	1133	CLA	C14-C13-C15-C16
13	f	1226	CLA	C11-C10-C8-C9
13	r	513	CLA	C14-C13-C15-C16
13	s	505	CLA	C11-C12-C13-C14
13	s	510	CLA	C14-C13-C15-C16
13	F	1302	CLA	CAA-CBA-CGA-O2A
13	R	1302	CLA	CAA-CBA-CGA-O2A
13	j	1302	CLA	CAA-CBA-CGA-O2A
13	b	501	CLA	CAA-CBA-CGA-O1A
13	t	501	CLA	CAA-CBA-CGA-O1A
13	A	1013	CLA	CAA-CBA-CGA-O2A
13	A	1115	CLA	CAA-CBA-CGA-O2A
13	1	510	CLA	CAA-CBA-CGA-O2A
13	1	512	CLA	CAA-CBA-CGA-O2A
13	2	509	CLA	CAA-CBA-CGA-O2A
13	2	510	CLA	CAA-CBA-CGA-O2A
13	G	1013	CLA	CAA-CBA-CGA-O2A
13	G	1115	CLA	CAA-CBA-CGA-O2A
13	Y	512	CLA	CAA-CBA-CGA-O2A
13	Z	509	CLA	CAA-CBA-CGA-O2A
13	Z	510	CLA	CAA-CBA-CGA-O2A
13	e	1115	CLA	CAA-CBA-CGA-O2A
13	q	510	CLA	CAA-CBA-CGA-O2A
13	r	509	CLA	CAA-CBA-CGA-O2A
13	r	510	CLA	CAA-CBA-CGA-O2A
19	B	5002	LMG	O8-C28-C29-C30
19	H	5002	LMG	O8-C28-C29-C30
19	f	5002	LMG	O8-C28-C29-C30
13	A	1110	CLA	CAA-CBA-CGA-O2A
13	A	1125	CLA	CAA-CBA-CGA-O2A
13	B	1213	CLA	CAA-CBA-CGA-O2A
13	2	501	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
13	G	1125	CLA	CAA-CBA-CGA-O2A
13	H	1213	CLA	CAA-CBA-CGA-O2A
13	Z	501	CLA	CAA-CBA-CGA-O2A
13	e	1013	CLA	CAA-CBA-CGA-O2A
13	e	1110	CLA	CAA-CBA-CGA-O2A
13	e	1125	CLA	CAA-CBA-CGA-O2A
13	f	1213	CLA	CAA-CBA-CGA-O2A
13	r	501	CLA	CAA-CBA-CGA-O2A
17	B	1855	LHG	O7-C7-C8-C9
17	H	1855	LHG	O7-C7-C8-C9
17	f	1855	LHG	O7-C7-C8-C9
13	d	501	CLA	CAA-CBA-CGA-O1A
17	A	5002	LHG	C5-C4-O6-P
17	G	5002	LHG	C5-C4-O6-P
17	e	5002	LHG	C5-C4-O6-P
16	e	4011	BCR	C7-C8-C9-C34
13	A	1119	CLA	C12-C13-C15-C16
13	A	1133	CLA	C12-C13-C15-C16
13	A	1135	CLA	C2-C3-C5-C6
13	A	1237	CLA	C6-C7-C8-C10
13	B	1215	CLA	C12-C13-C15-C16
13	B	1223	CLA	C3A-C2A-CAA-CBA
13	1	512	CLA	C3A-C2A-CAA-CBA
13	3	505	CLA	C11-C12-C13-C15
13	G	1119	CLA	C12-C13-C15-C16
13	G	1133	CLA	C12-C13-C15-C16
13	G	1135	CLA	C2-C3-C5-C6
13	G	1237	CLA	C6-C7-C8-C10
13	H	1215	CLA	C12-C13-C15-C16
13	H	1223	CLA	C3A-C2A-CAA-CBA
13	a	505	CLA	C11-C12-C13-C15
13	e	1119	CLA	C12-C13-C15-C16
13	e	1133	CLA	C12-C13-C15-C16
13	e	1135	CLA	C2-C3-C5-C6
13	e	1237	CLA	C6-C7-C8-C10
13	f	1215	CLA	C12-C13-C15-C16
13	f	1223	CLA	C3A-C2A-CAA-CBA
13	s	505	CLA	C11-C12-C13-C15
17	A	5001	LHG	O6-C4-C5-O7
17	G	5001	LHG	O6-C4-C5-O7
17	e	5001	LHG	O6-C4-C5-O7
13	A	1107	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
13	6	501	CLA	CAA-CBA-CGA-O1A
13	G	1107	CLA	CAA-CBA-CGA-O1A
13	v	501	CLA	CAA-CBA-CGA-O1A
13	A	1111	CLA	CAA-CBA-CGA-O2A
13	1	519	CLA	CAA-CBA-CGA-O2A
13	2	519	CLA	CAA-CBA-CGA-O2A
13	G	1110	CLA	CAA-CBA-CGA-O2A
13	G	1111	CLA	CAA-CBA-CGA-O2A
13	Y	510	CLA	CAA-CBA-CGA-O2A
13	Y	519	CLA	CAA-CBA-CGA-O2A
13	Z	519	CLA	CAA-CBA-CGA-O2A
13	e	1111	CLA	CAA-CBA-CGA-O2A
13	f	1202	CLA	CAA-CBA-CGA-O2A
13	q	519	CLA	CAA-CBA-CGA-O2A
13	r	519	CLA	CAA-CBA-CGA-O2A
16	A	4011	BCR	C7-C8-C9-C10
16	I	4018	BCR	C21-C22-C23-C24
16	G	4011	BCR	C7-C8-C9-C10
16	S	4018	BCR	C21-C22-C23-C24
16	e	4011	BCR	C7-C8-C9-C10
16	k	4018	BCR	C21-C22-C23-C24
13	A	1111	CLA	CAA-CBA-CGA-O1A
13	G	1111	CLA	CAA-CBA-CGA-O1A
13	e	1107	CLA	CAA-CBA-CGA-O1A
13	e	1111	CLA	CAA-CBA-CGA-O1A
16	M	4021	BCR	C9-C10-C11-C12
16	2	522	BCR	C15-C16-C17-C18
16	W	4021	BCR	C9-C10-C11-C12
16	Z	522	BCR	C15-C16-C17-C18
16	o	4021	BCR	C9-C10-C11-C12
16	r	522	BCR	C15-C16-C17-C18
18	A	1849	LMU	C2-C1-O1'-C1'
18	G	1849	LMU	C2-C1-O1'-C1'
18	e	1849	LMU	C2-C1-O1'-C1'
13	B	1202	CLA	CAA-CBA-CGA-O2A
13	1	507	CLA	CAA-CBA-CGA-O2A
13	H	1202	CLA	CAA-CBA-CGA-O2A
13	Y	507	CLA	CAA-CBA-CGA-O2A
13	q	507	CLA	CAA-CBA-CGA-O2A
13	f	1222	CLA	O1D-CGD-O2D-CED
13	A	1125	CLA	CAA-CBA-CGA-O1A
13	G	1125	CLA	CAA-CBA-CGA-O1A

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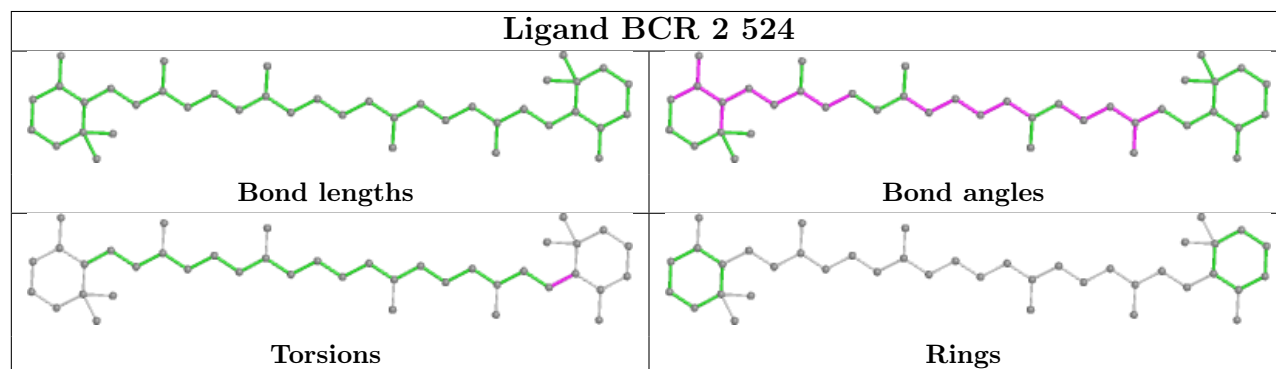
Mol	Chain	Res	Type	Atoms
13	e	1125	CLA	CAA-CBA-CGA-O1A
13	1	519	CLA	CAA-CBA-CGA-O1A
13	2	519	CLA	CAA-CBA-CGA-O1A
13	Y	519	CLA	CAA-CBA-CGA-O1A
13	Z	510	CLA	CAA-CBA-CGA-O1A
13	Z	519	CLA	CAA-CBA-CGA-O1A
13	q	519	CLA	CAA-CBA-CGA-O1A
13	r	519	CLA	CAA-CBA-CGA-O1A
17	A	5006	LHG	O10-C23-C24-C25
17	G	5006	LHG	O10-C23-C24-C25
17	e	5006	LHG	O10-C23-C24-C25
17	e	5003	LHG	O9-C7-C8-C9
13	5	519	CLA	C2A-CAA-CBA-CGA
13	6	504	CLA	C2A-CAA-CBA-CGA
13	c	519	CLA	C2A-CAA-CBA-CGA
13	d	504	CLA	C2A-CAA-CBA-CGA
13	u	519	CLA	C2A-CAA-CBA-CGA
13	v	504	CLA	C2A-CAA-CBA-CGA
13	A	1237	CLA	C13-C15-C16-C17
13	e	1237	CLA	C13-C15-C16-C17
13	A	1013	CLA	CAA-CBA-CGA-O1A
13	2	510	CLA	CAA-CBA-CGA-O1A
13	5	519	CLA	CAA-CBA-CGA-O1A
13	G	1013	CLA	CAA-CBA-CGA-O1A
13	c	519	CLA	CAA-CBA-CGA-O1A
13	e	1013	CLA	CAA-CBA-CGA-O1A
13	r	510	CLA	CAA-CBA-CGA-O1A
13	u	519	CLA	CAA-CBA-CGA-O1A
17	A	5003	LHG	O9-C7-C8-C9
13	A	1116	CLA	CAA-CBA-CGA-O2A
13	G	1116	CLA	CAA-CBA-CGA-O2A
13	H	1021	CLA	CAA-CBA-CGA-O2A
13	e	1116	CLA	CAA-CBA-CGA-O2A
13	f	1021	CLA	CAA-CBA-CGA-O2A

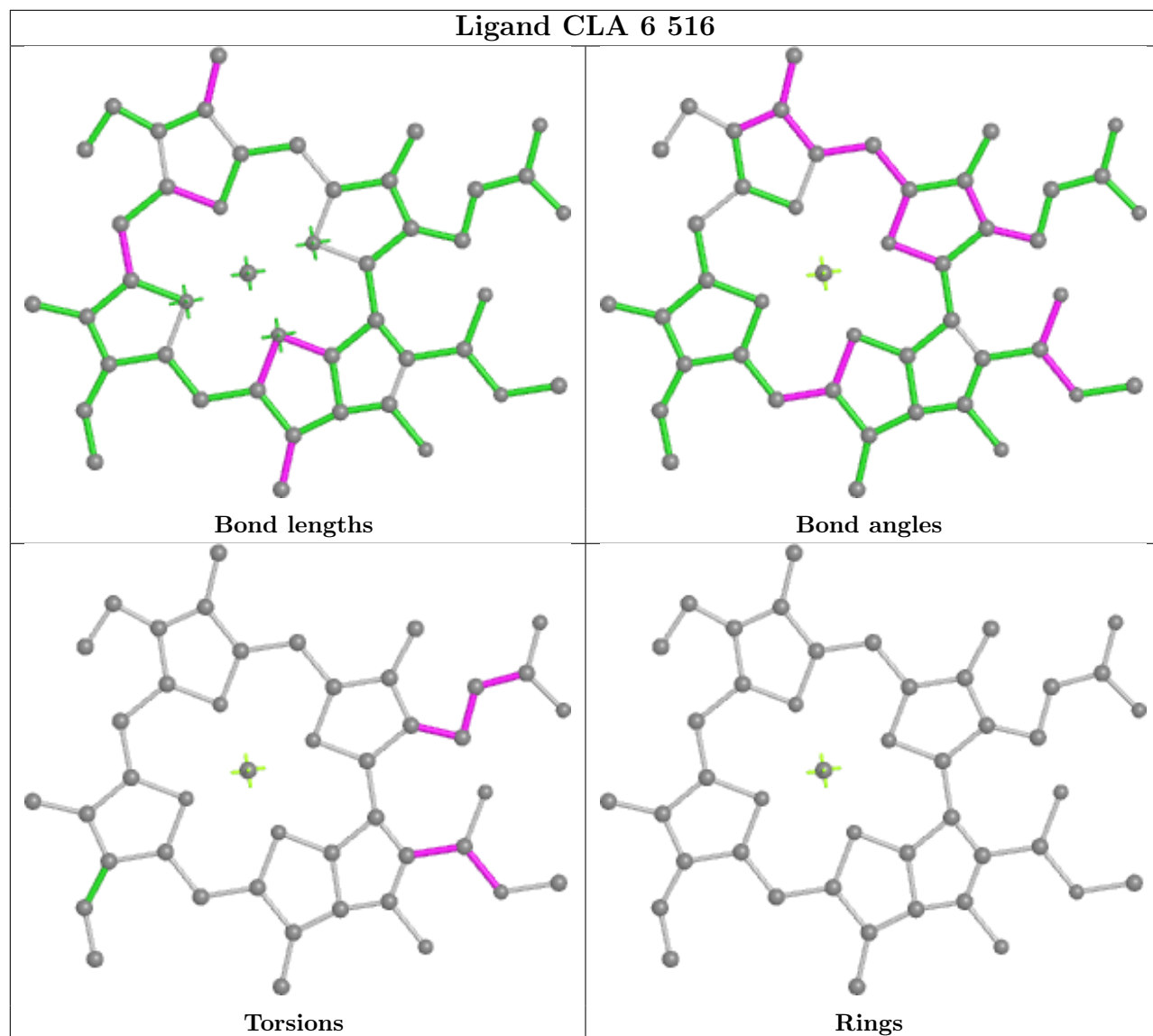
There are no ring outliers.

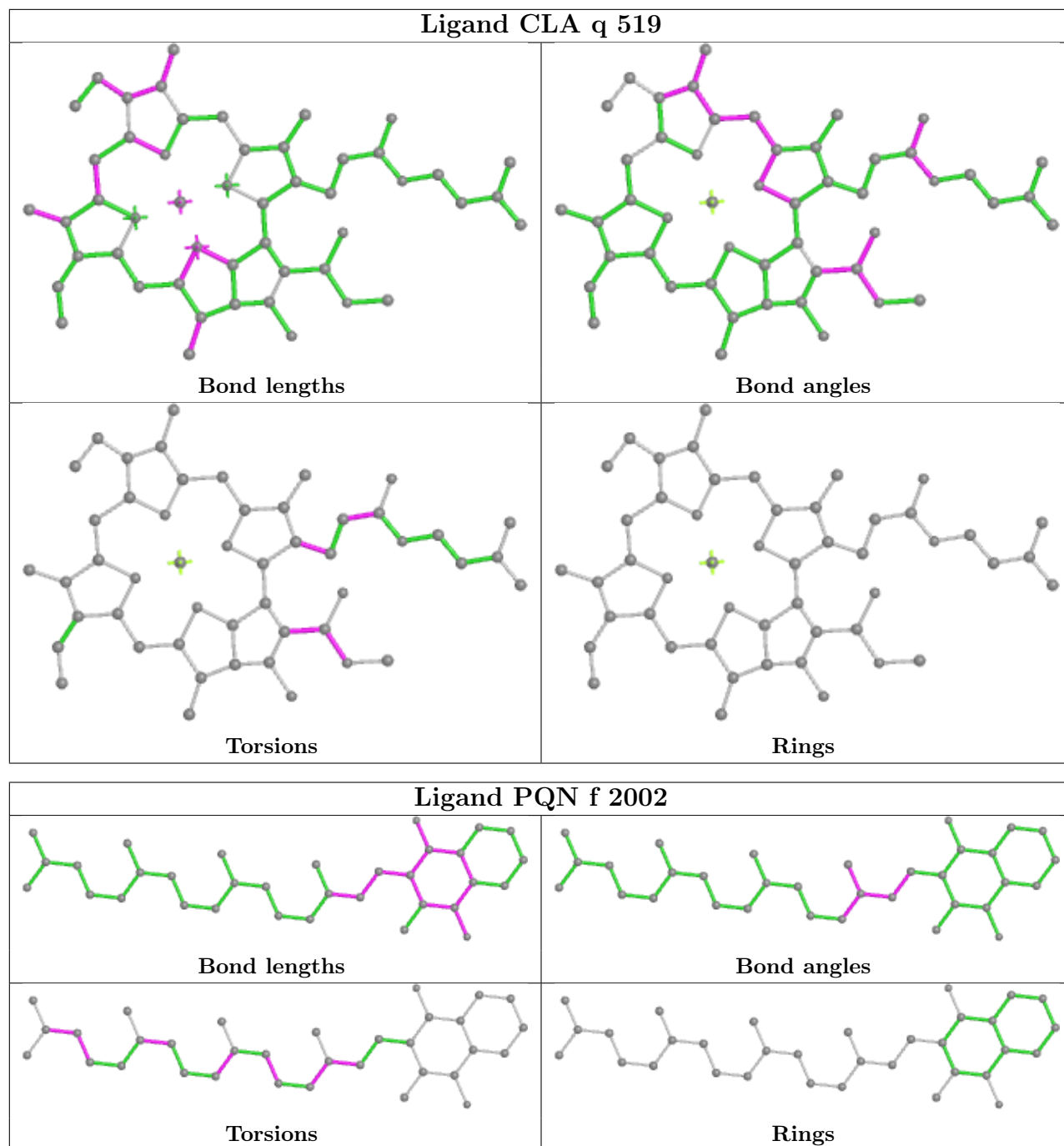
No monomer is involved in short contacts.

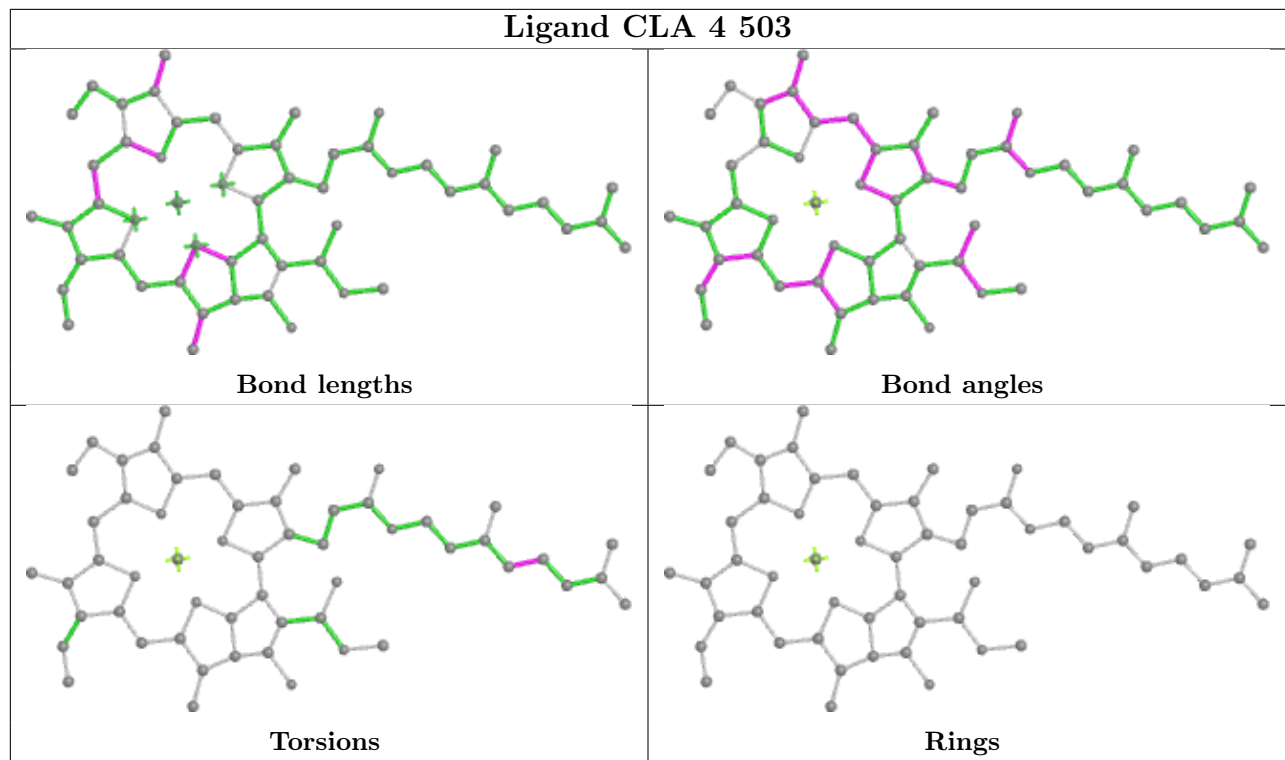
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier.

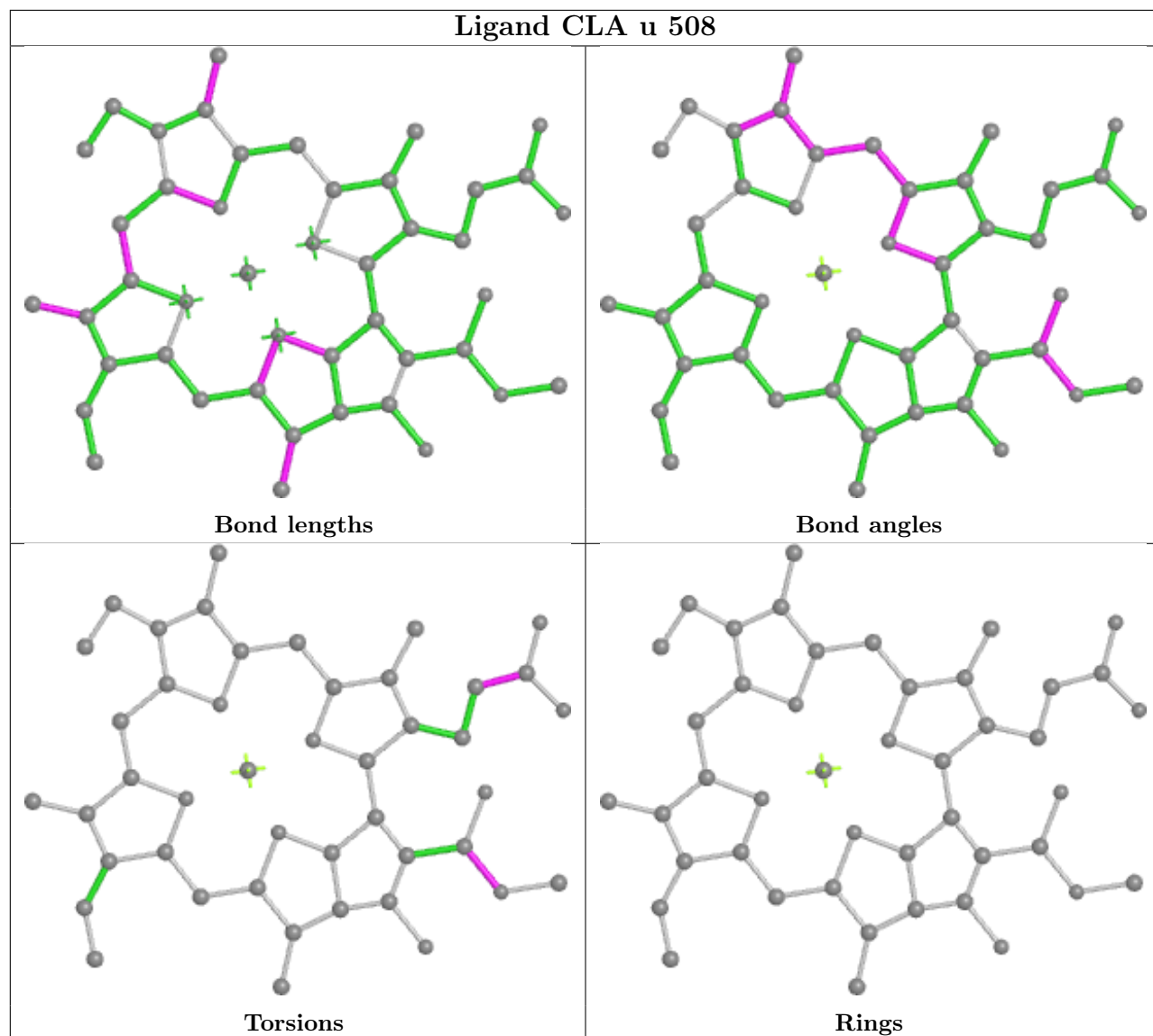
Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD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

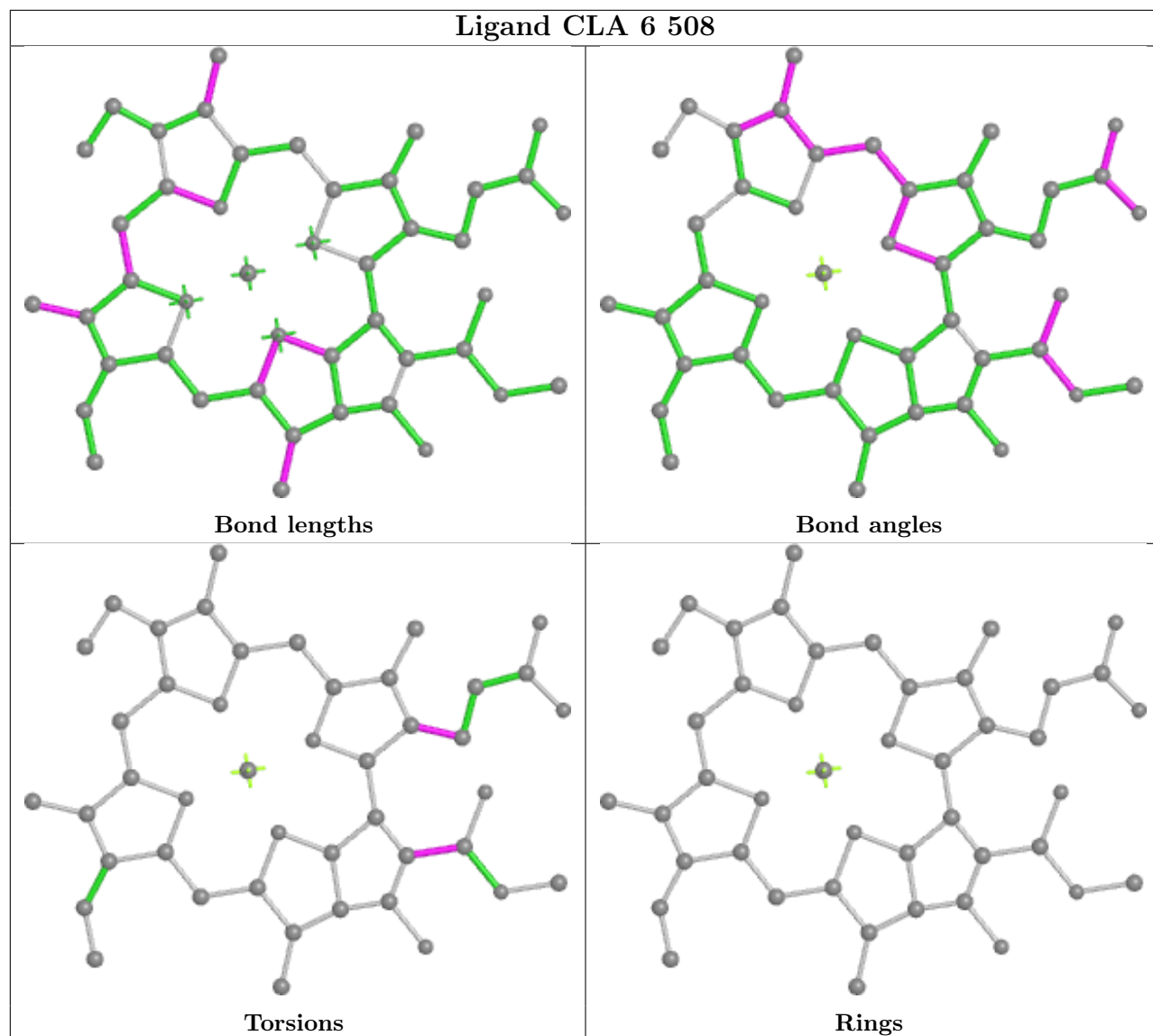


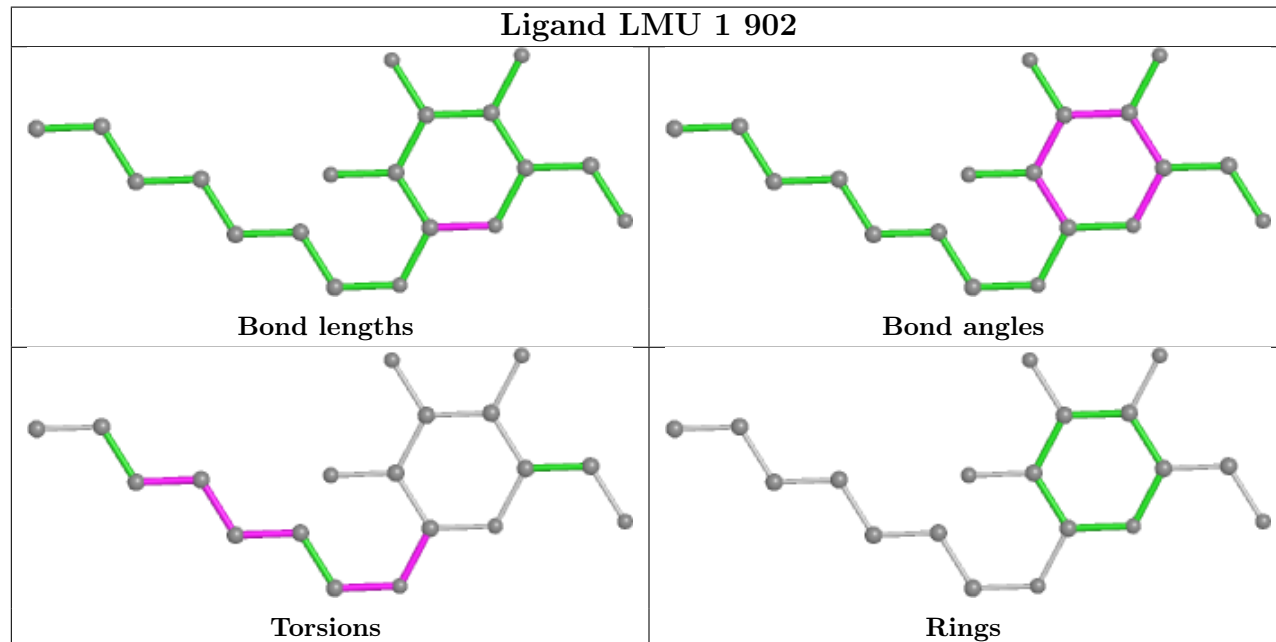
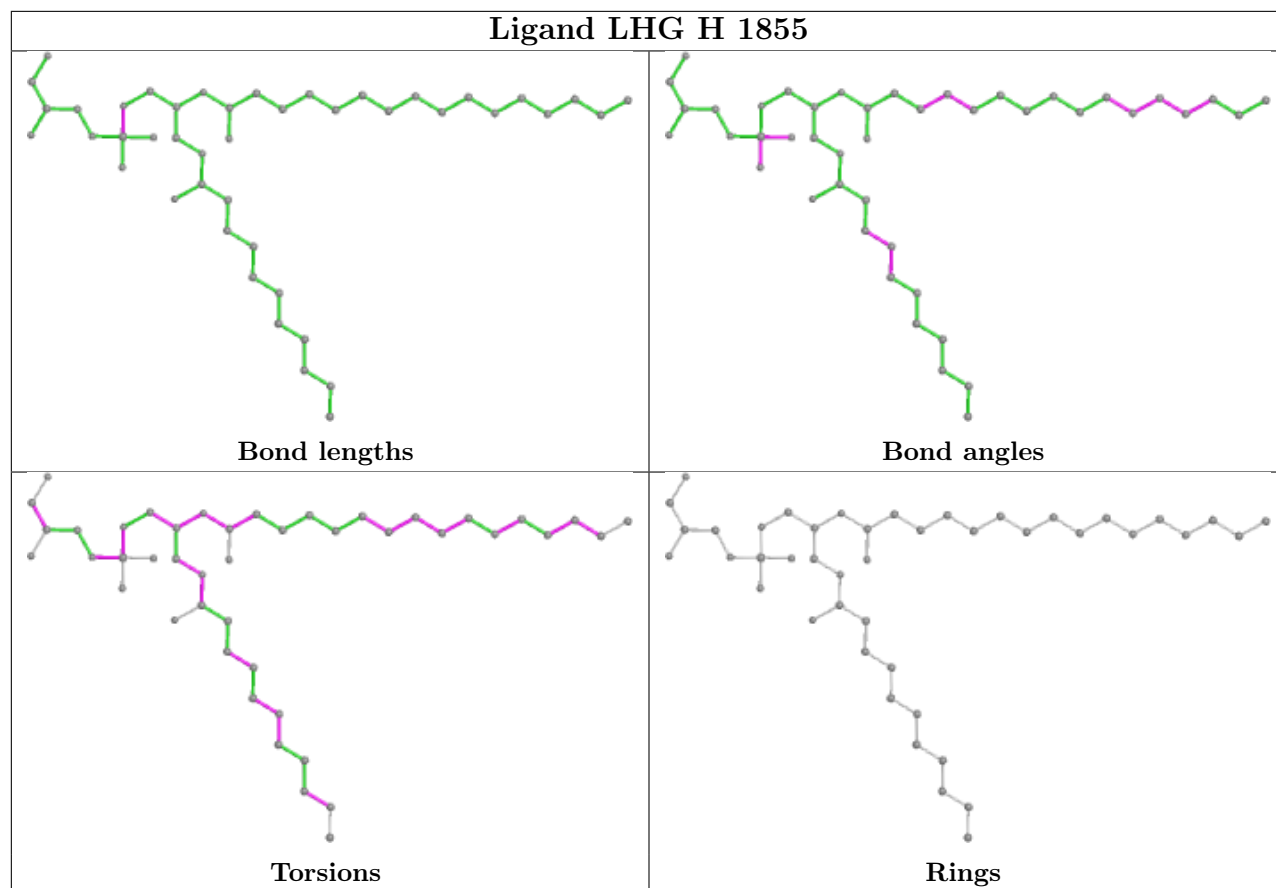


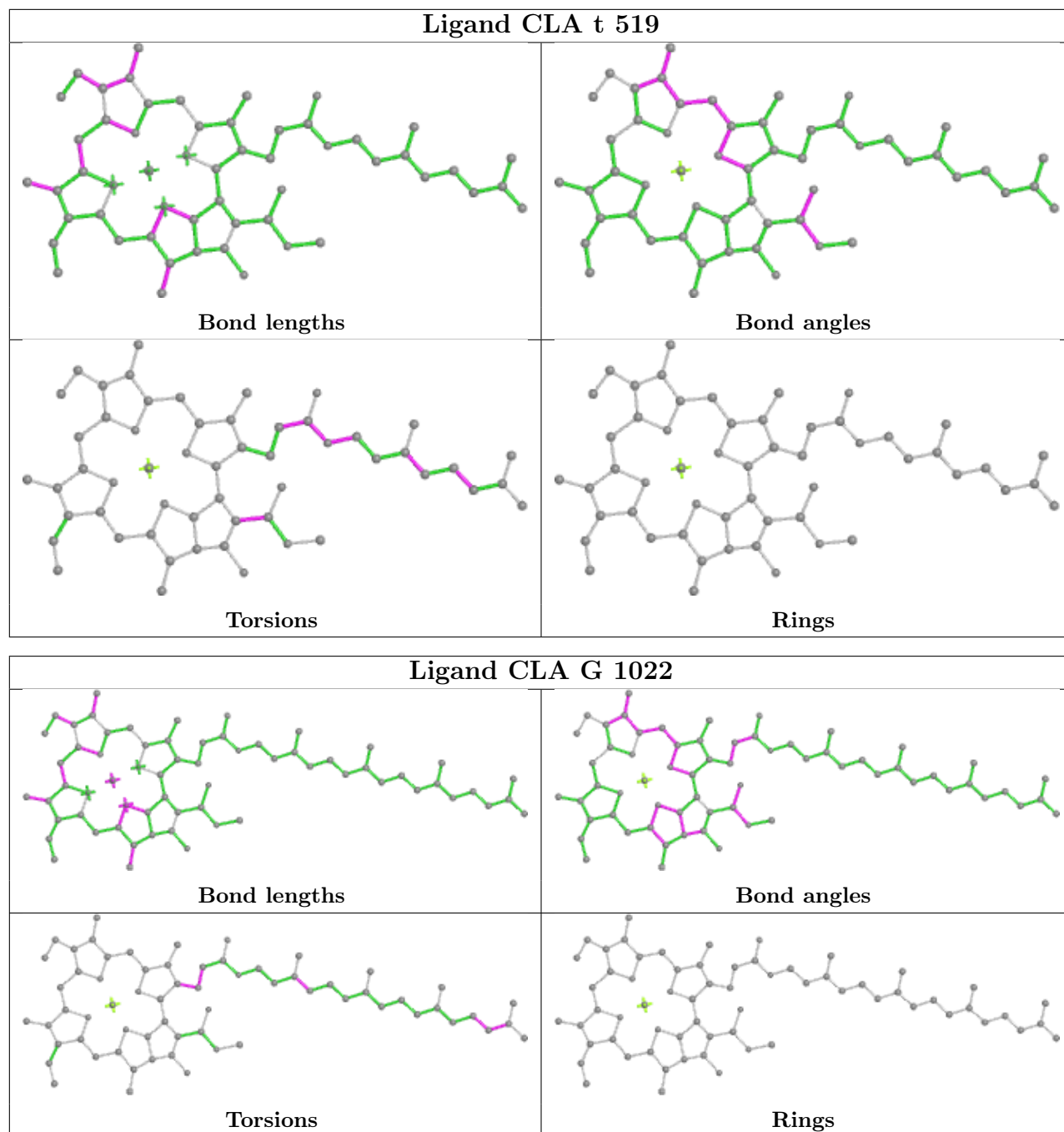


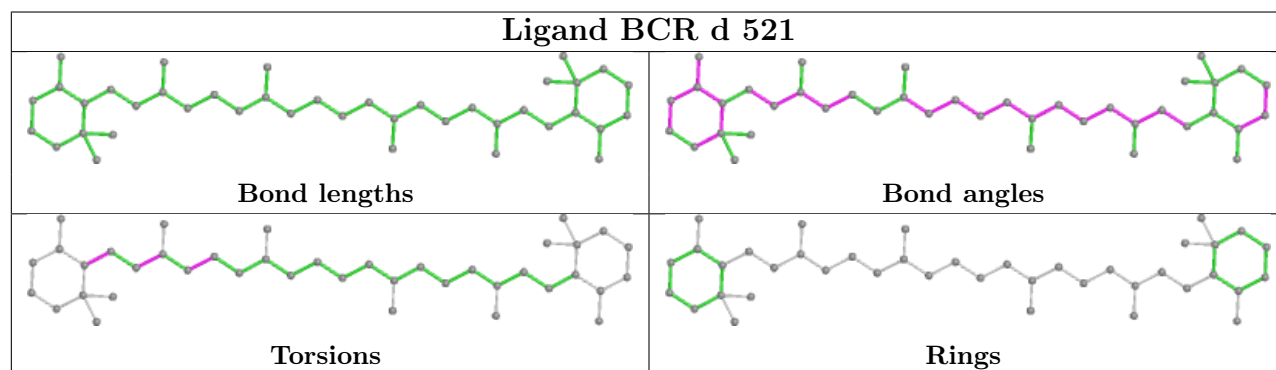
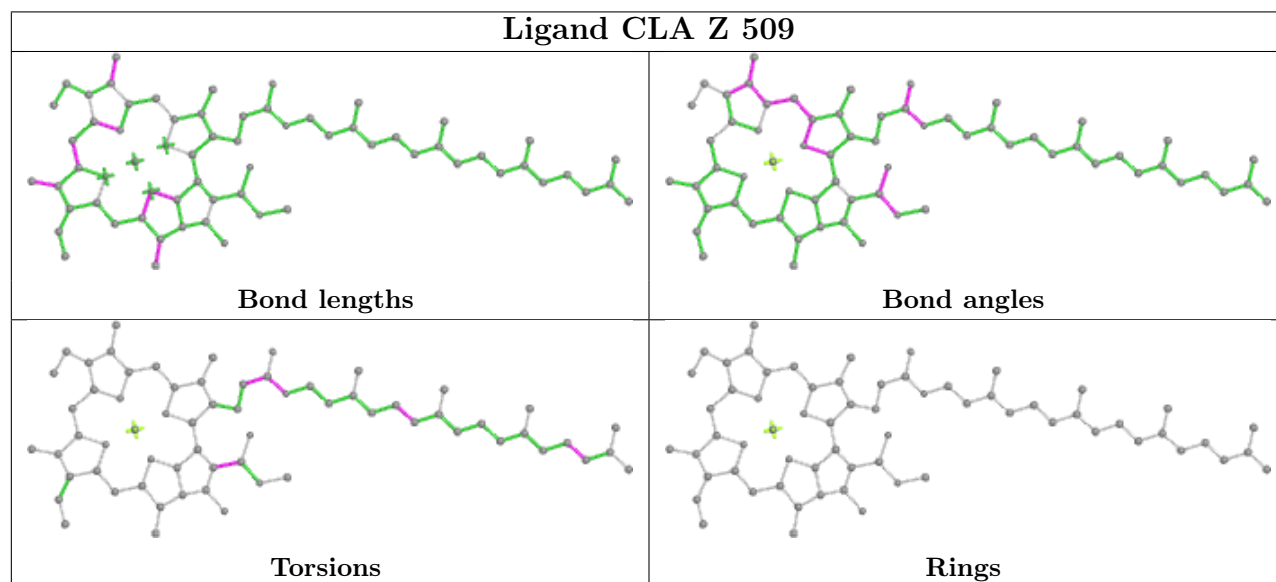
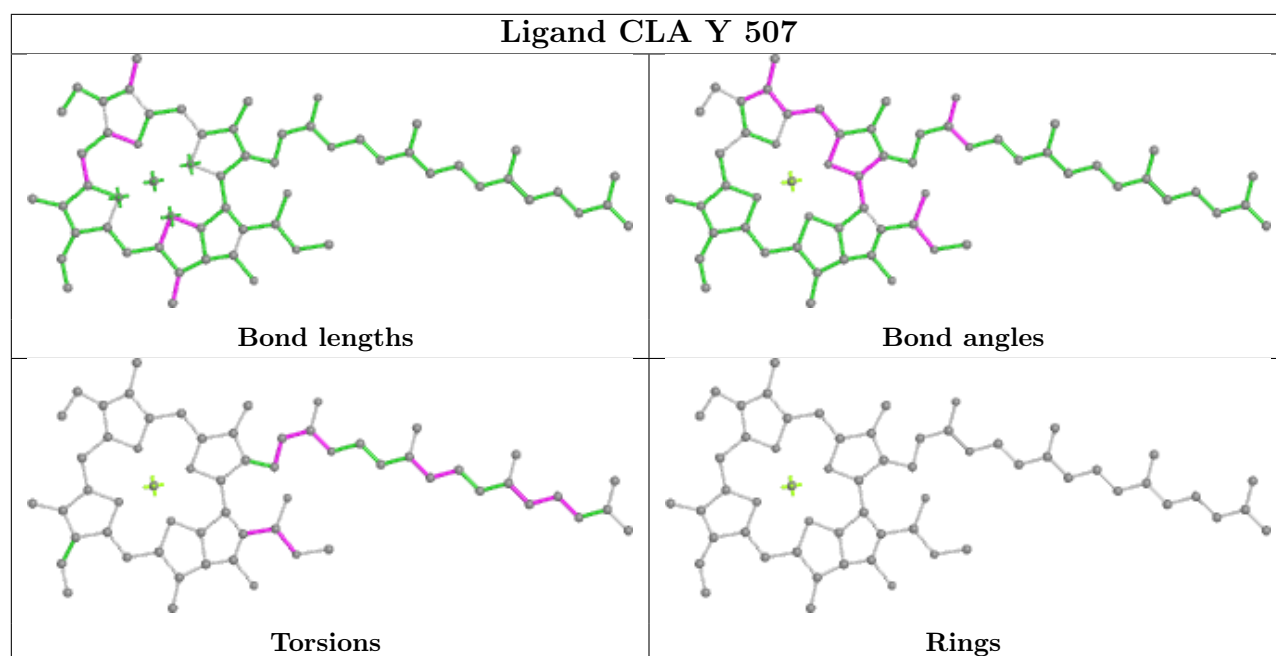


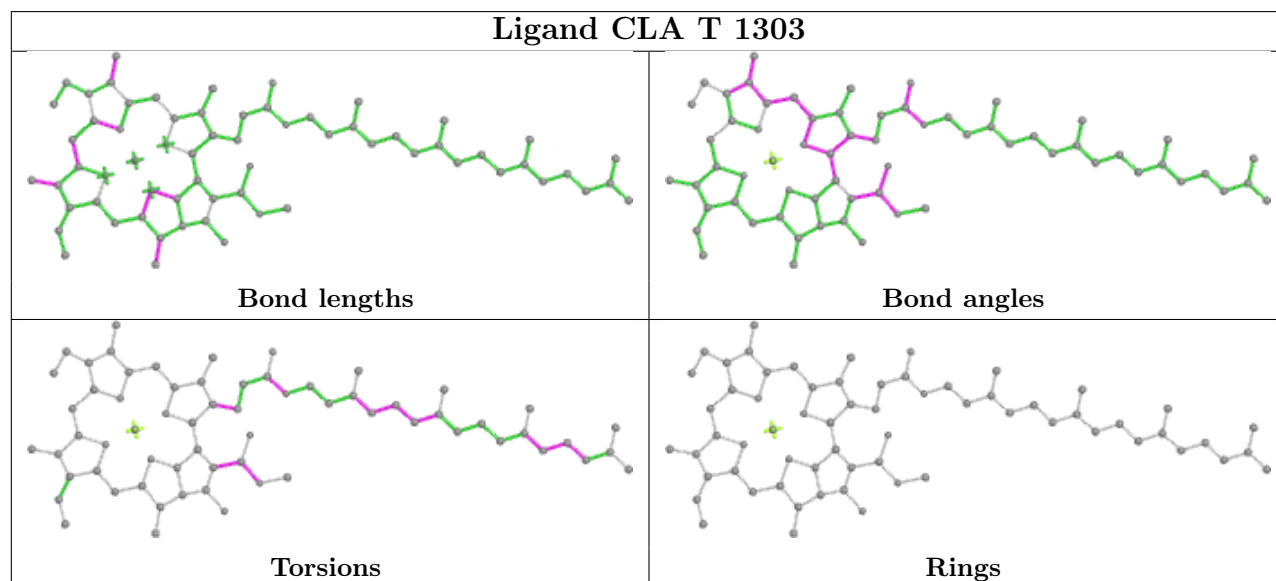
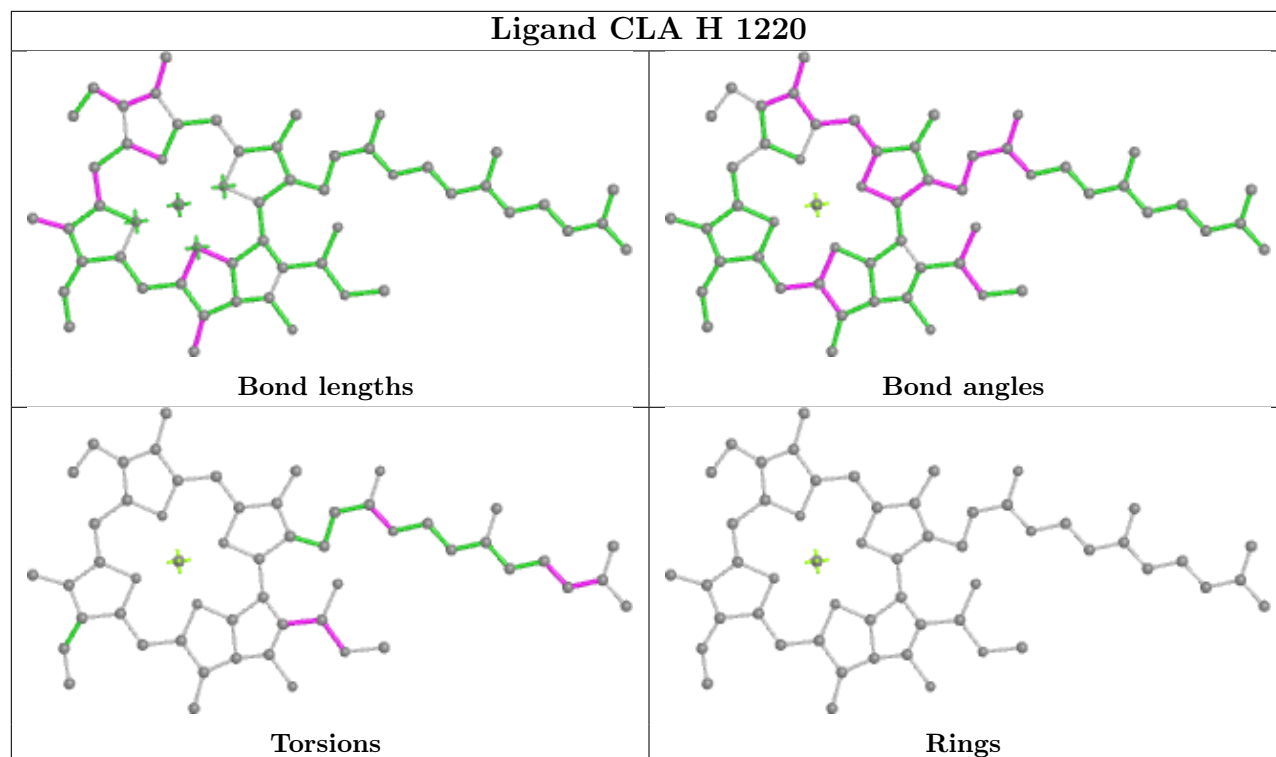
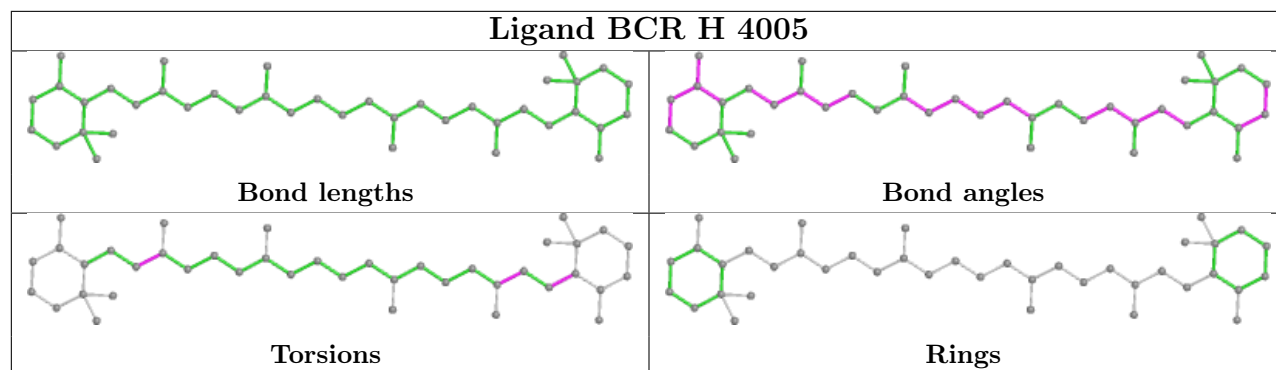


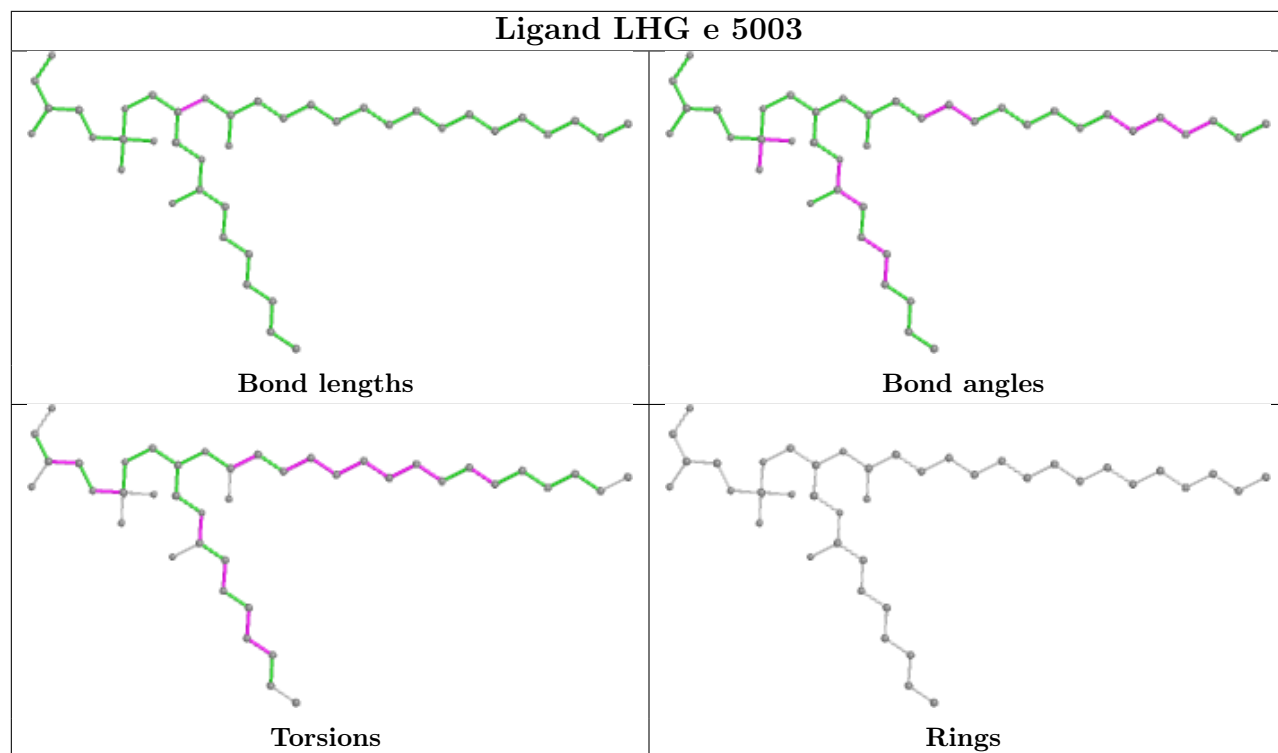


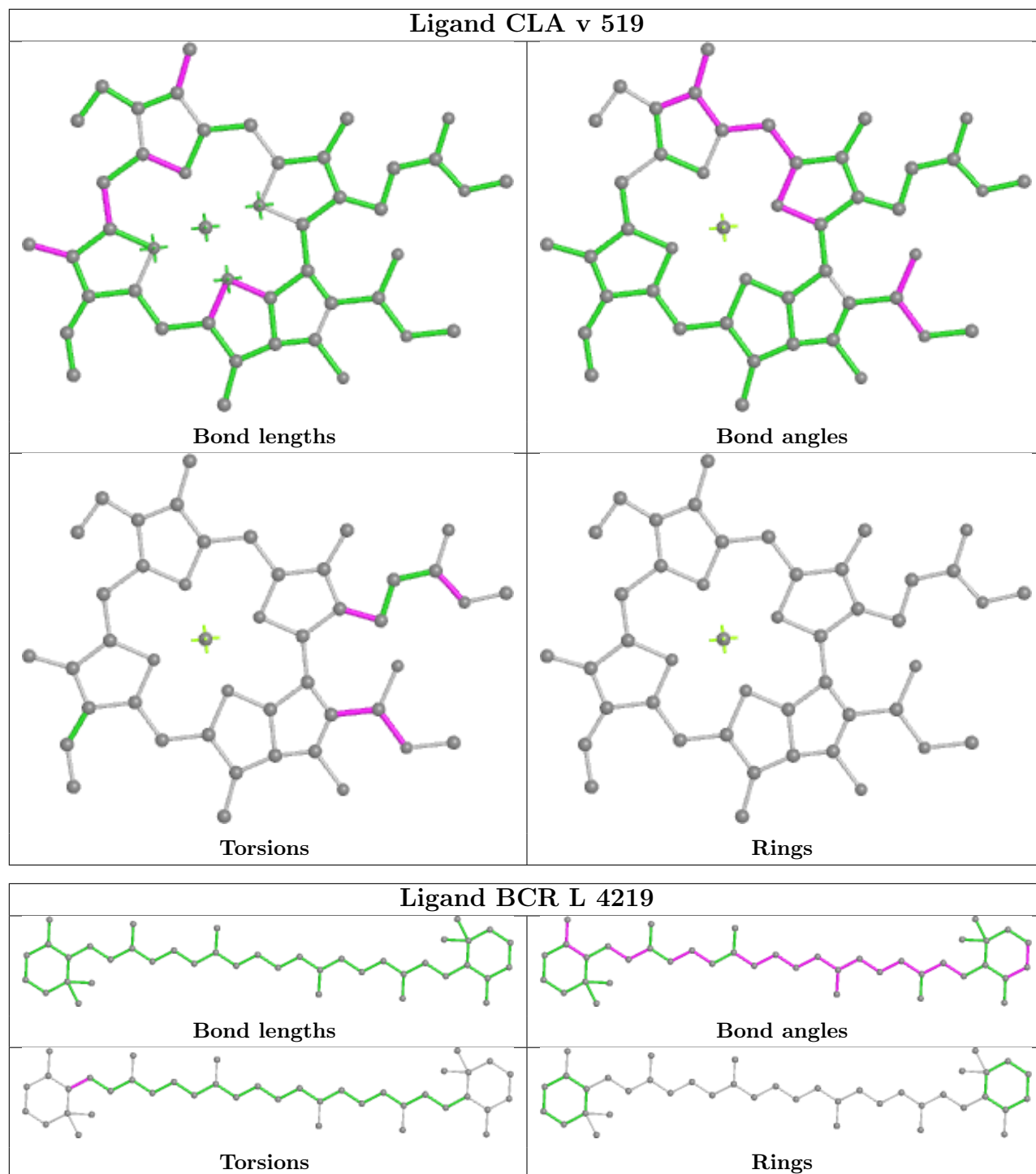


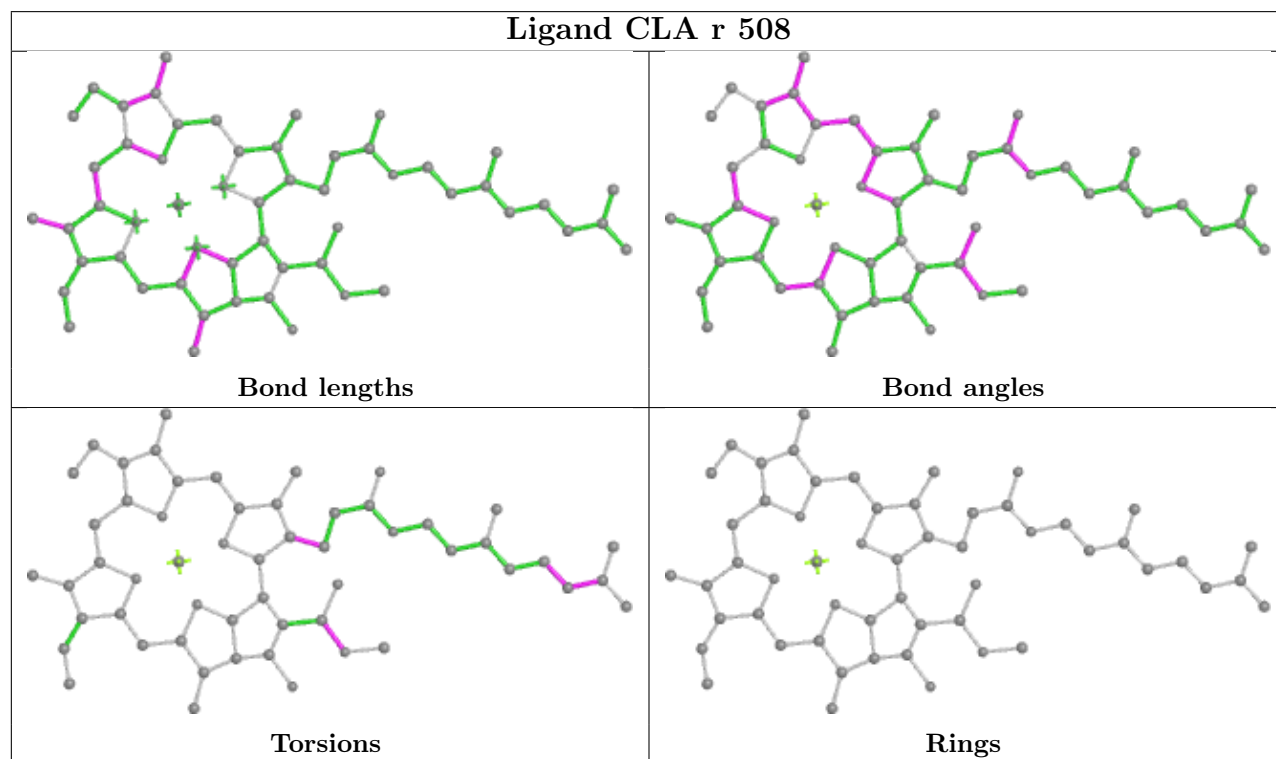
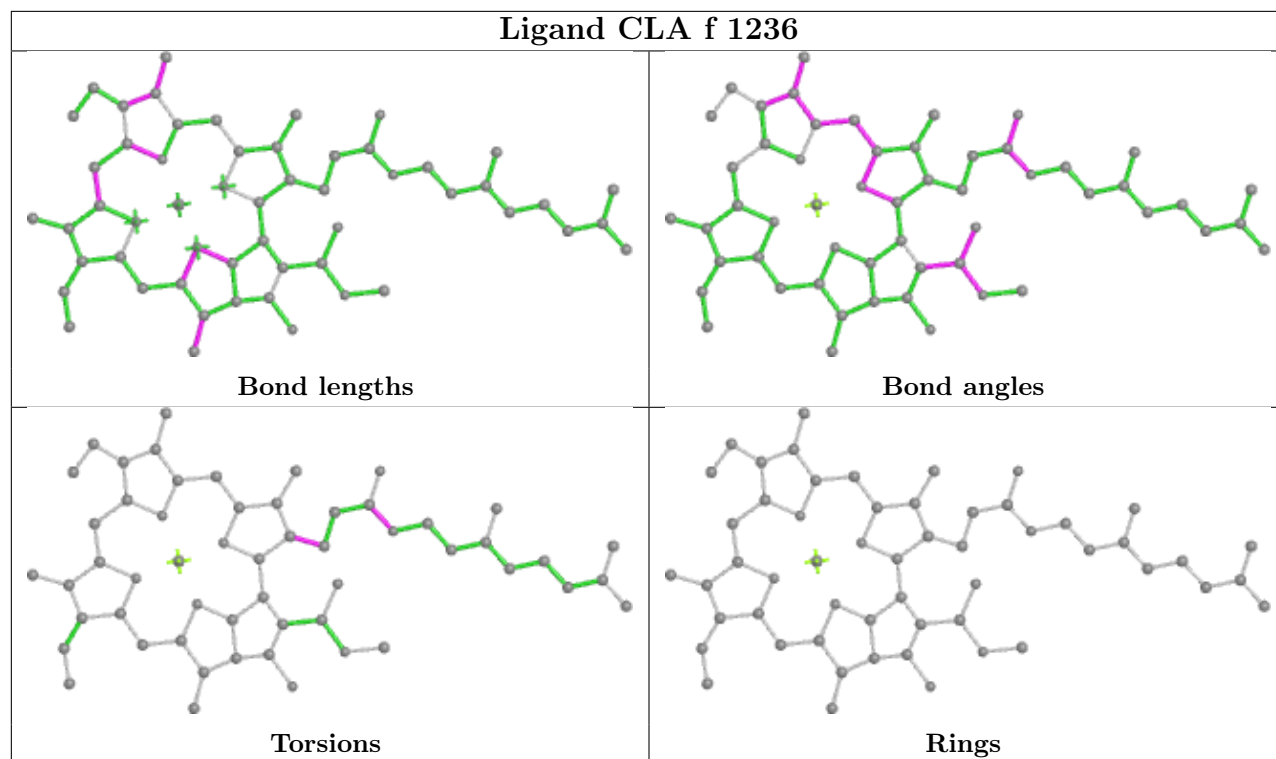


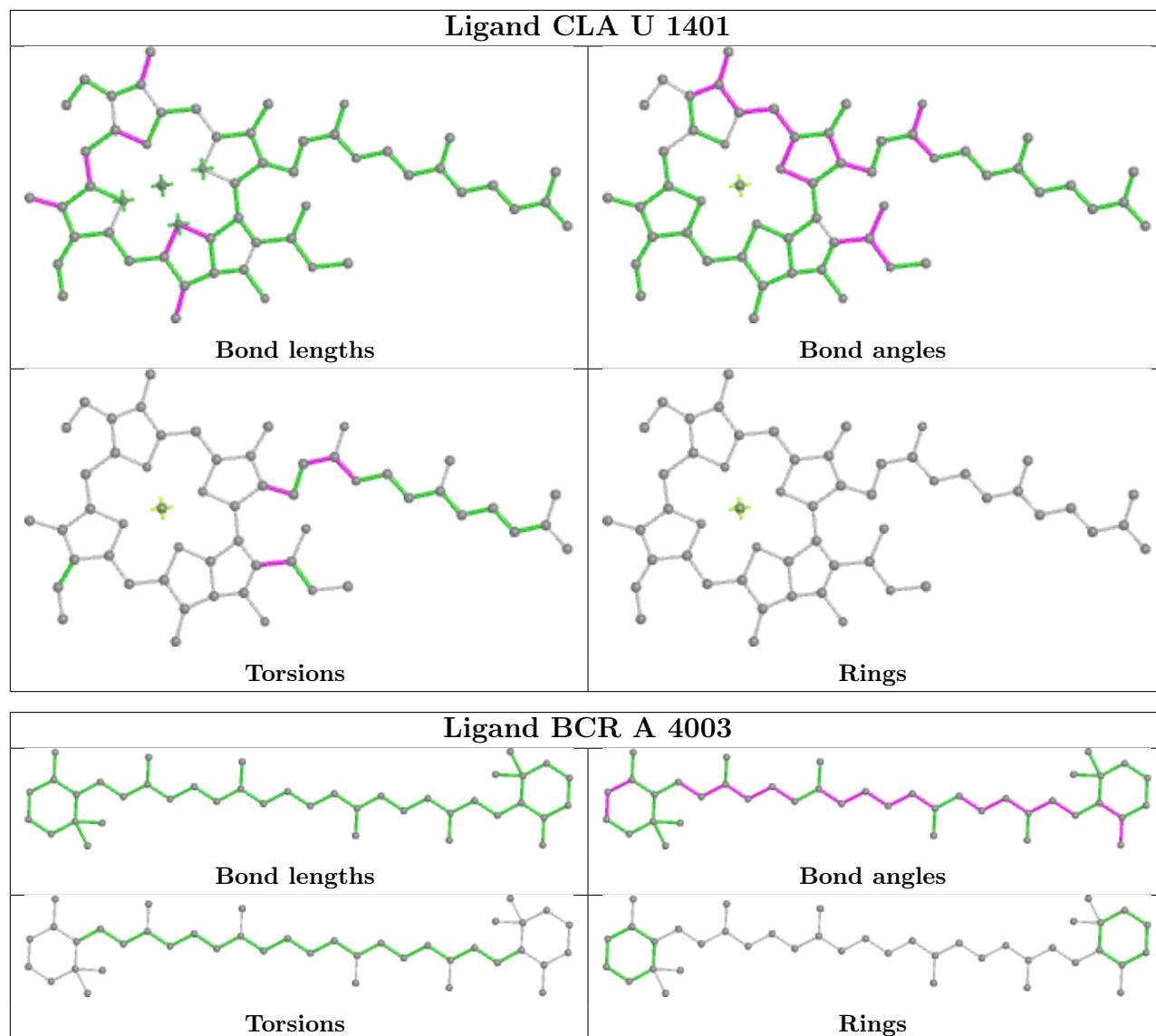


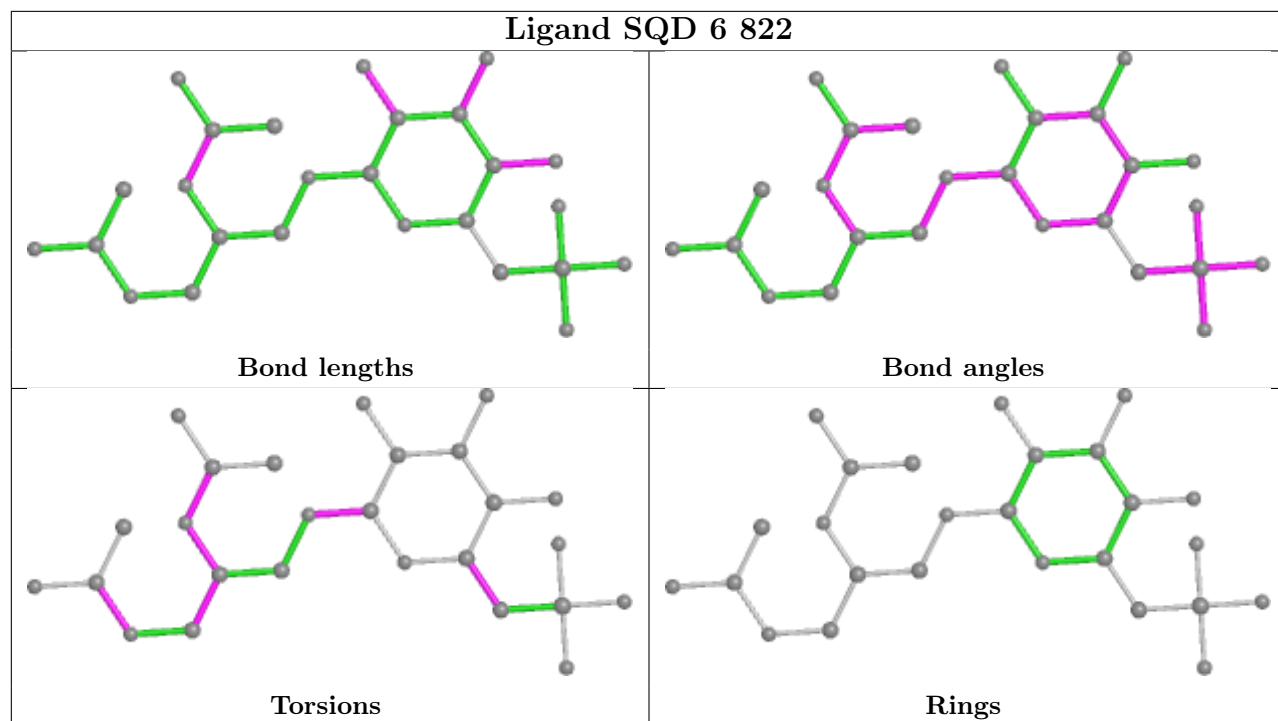


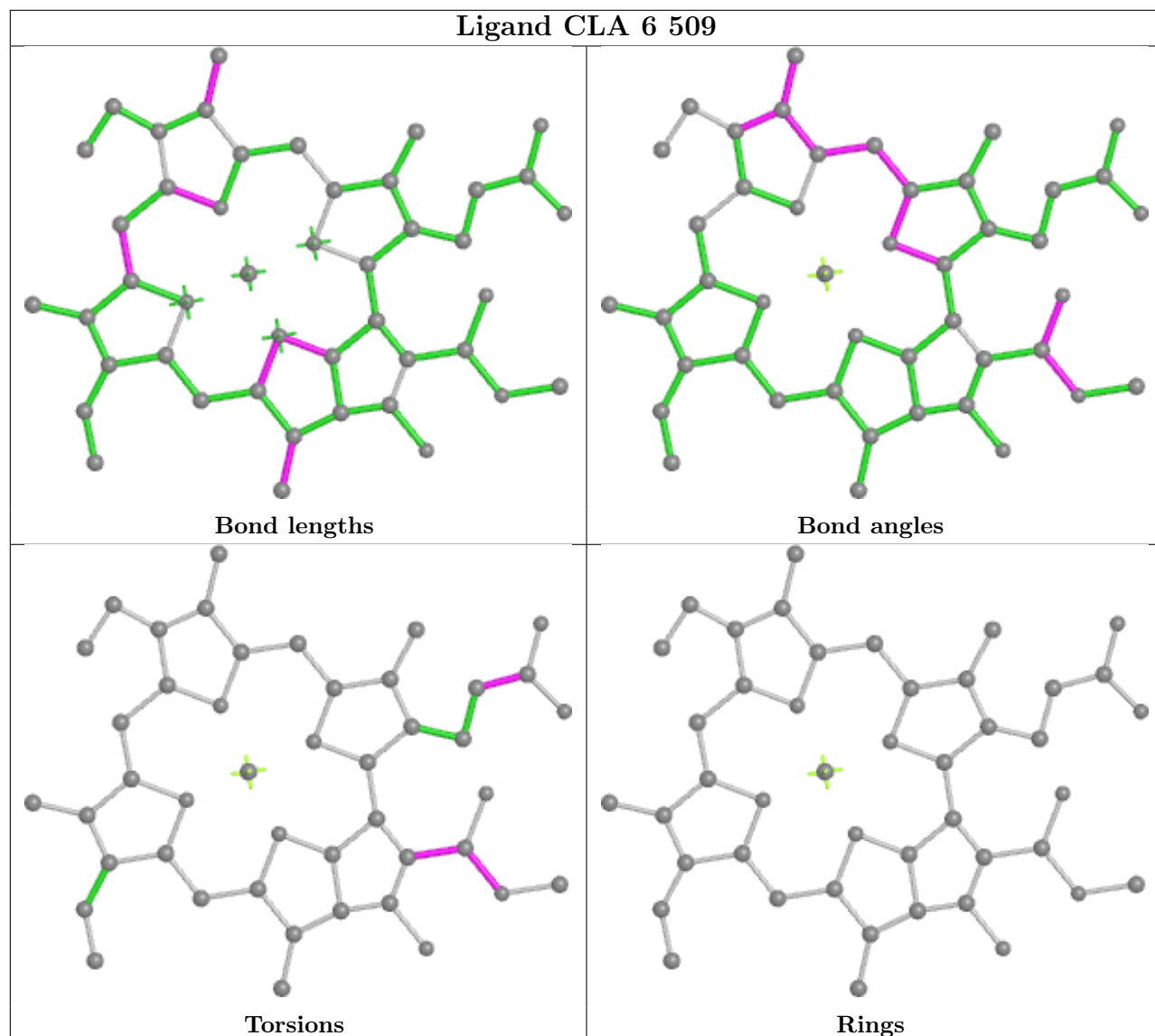


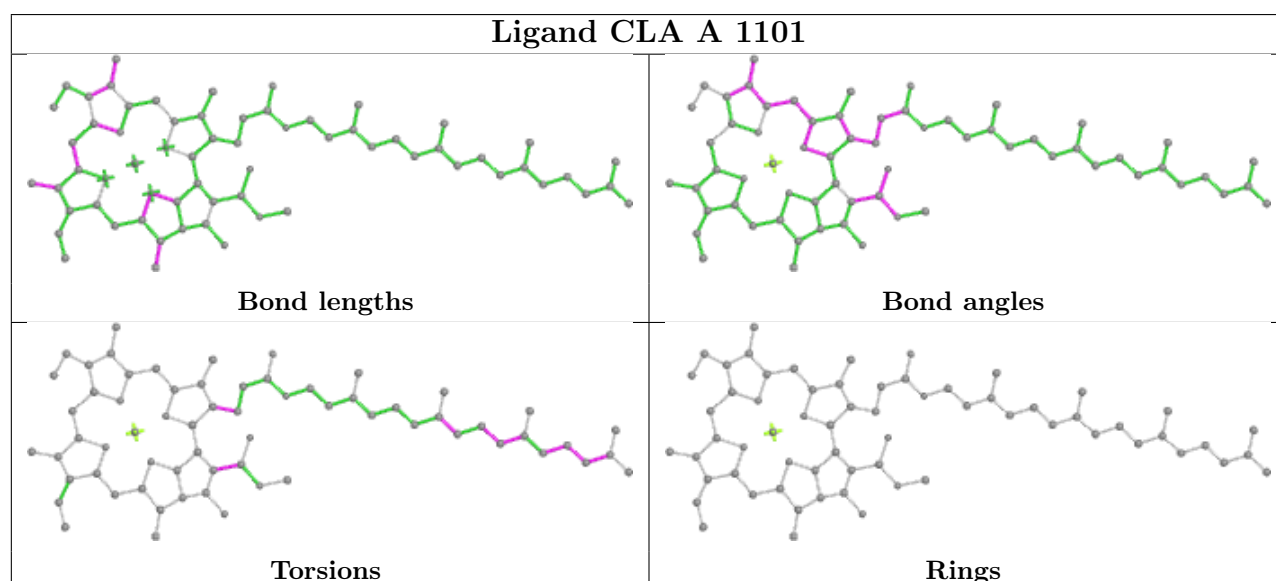
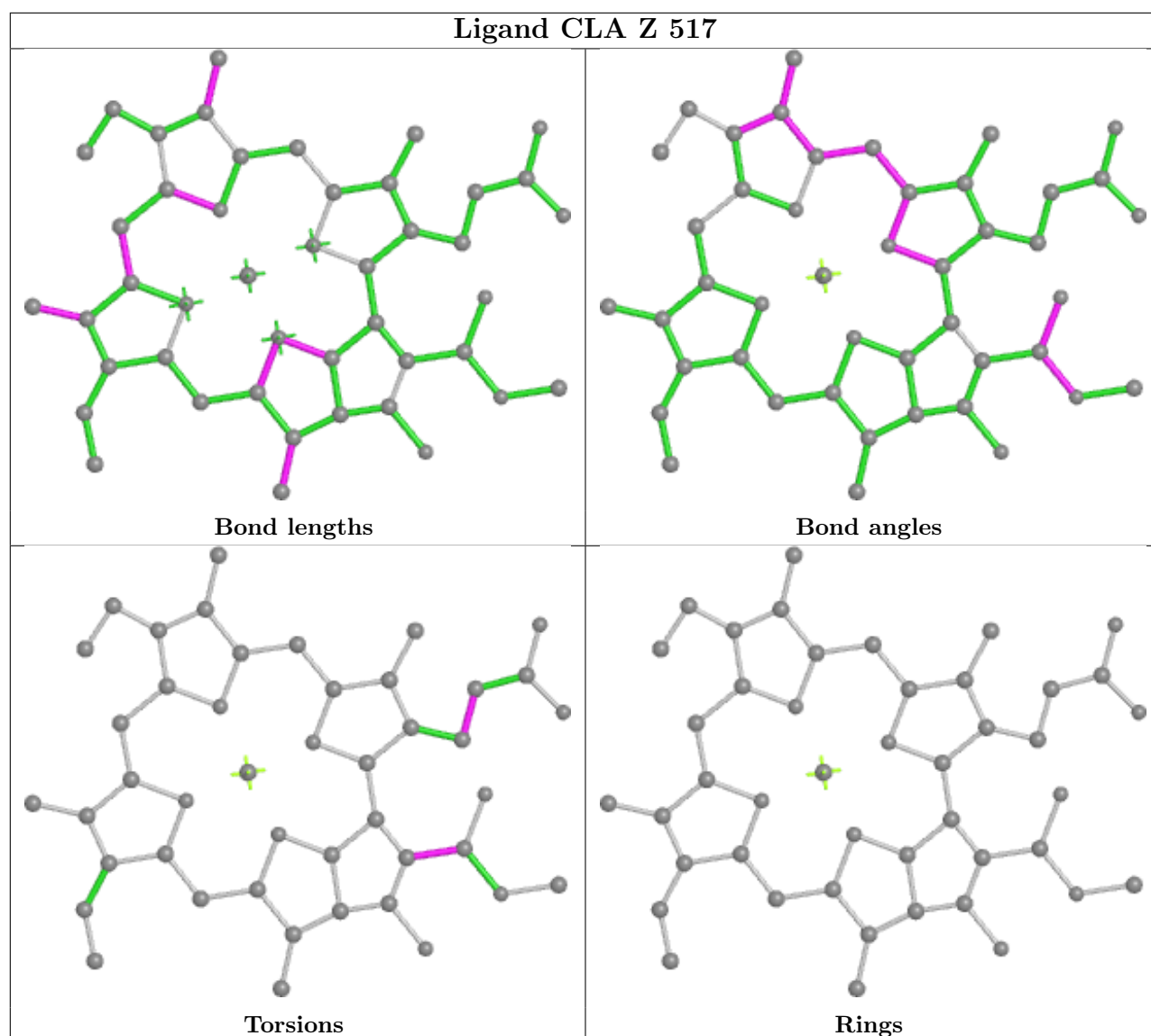


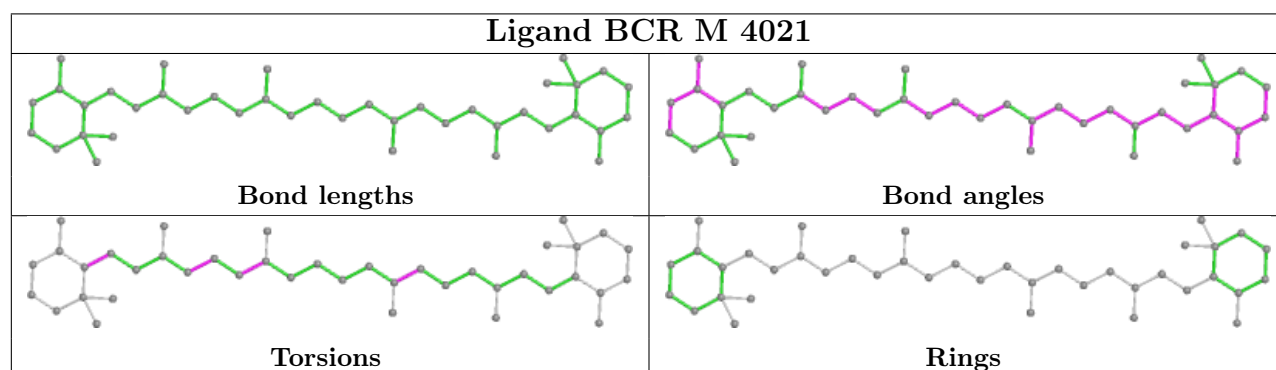
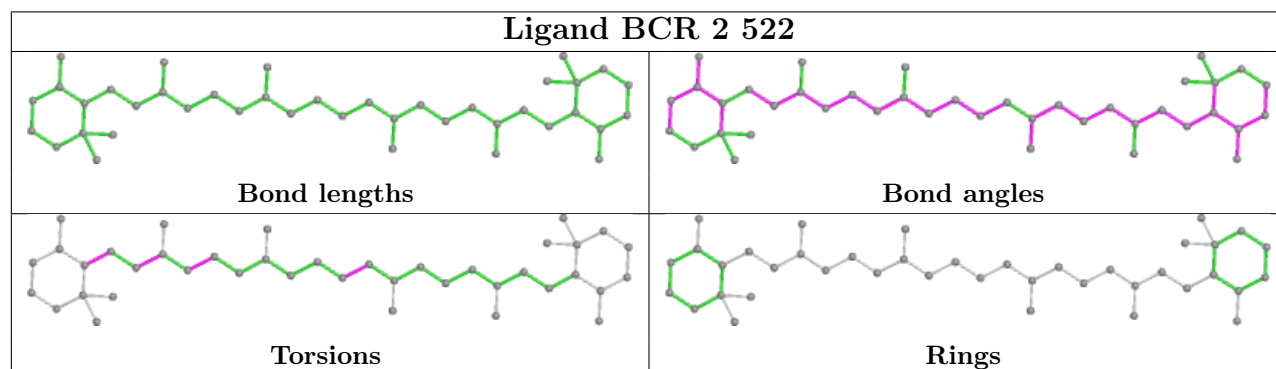
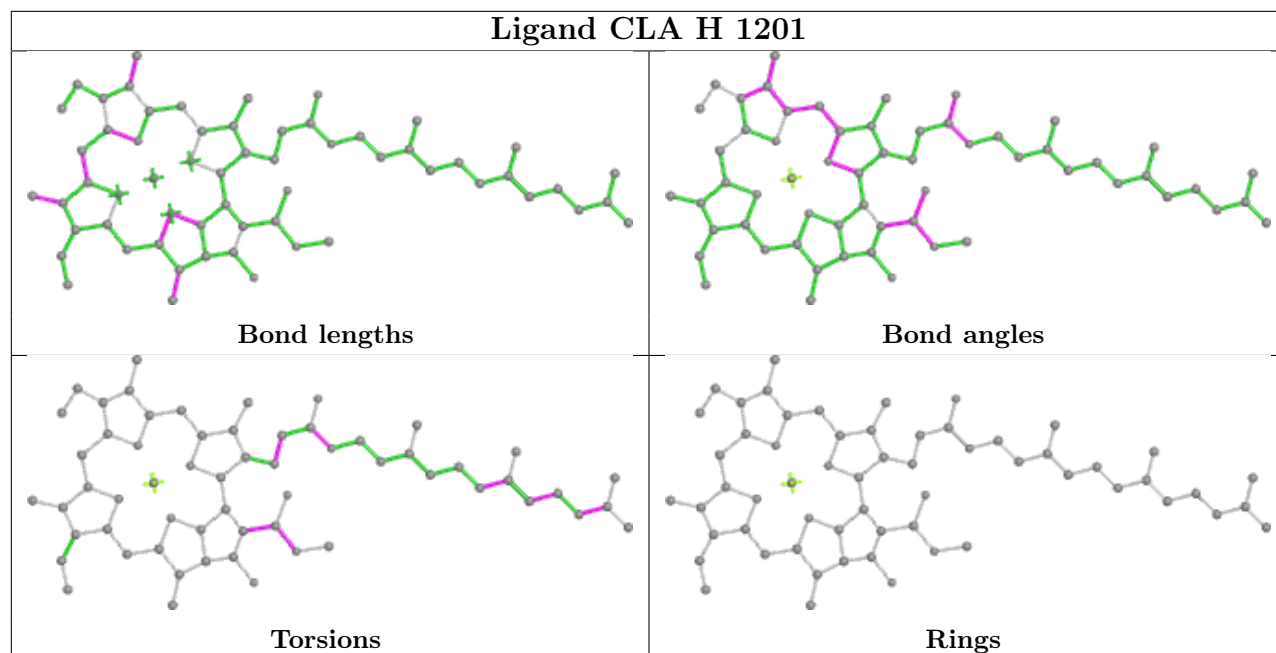


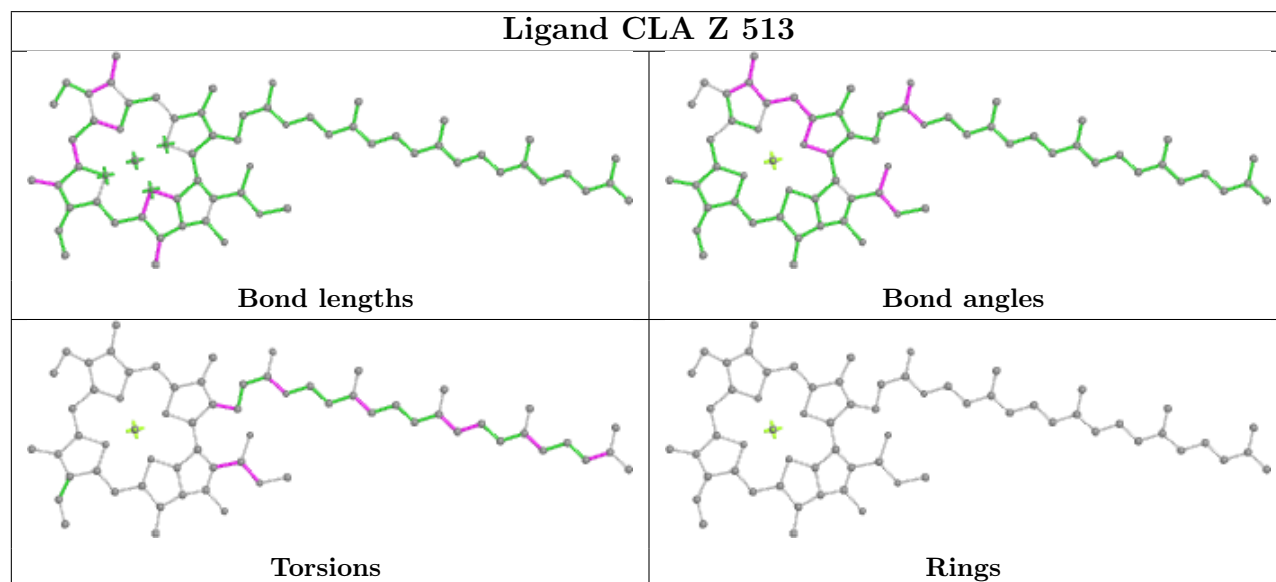
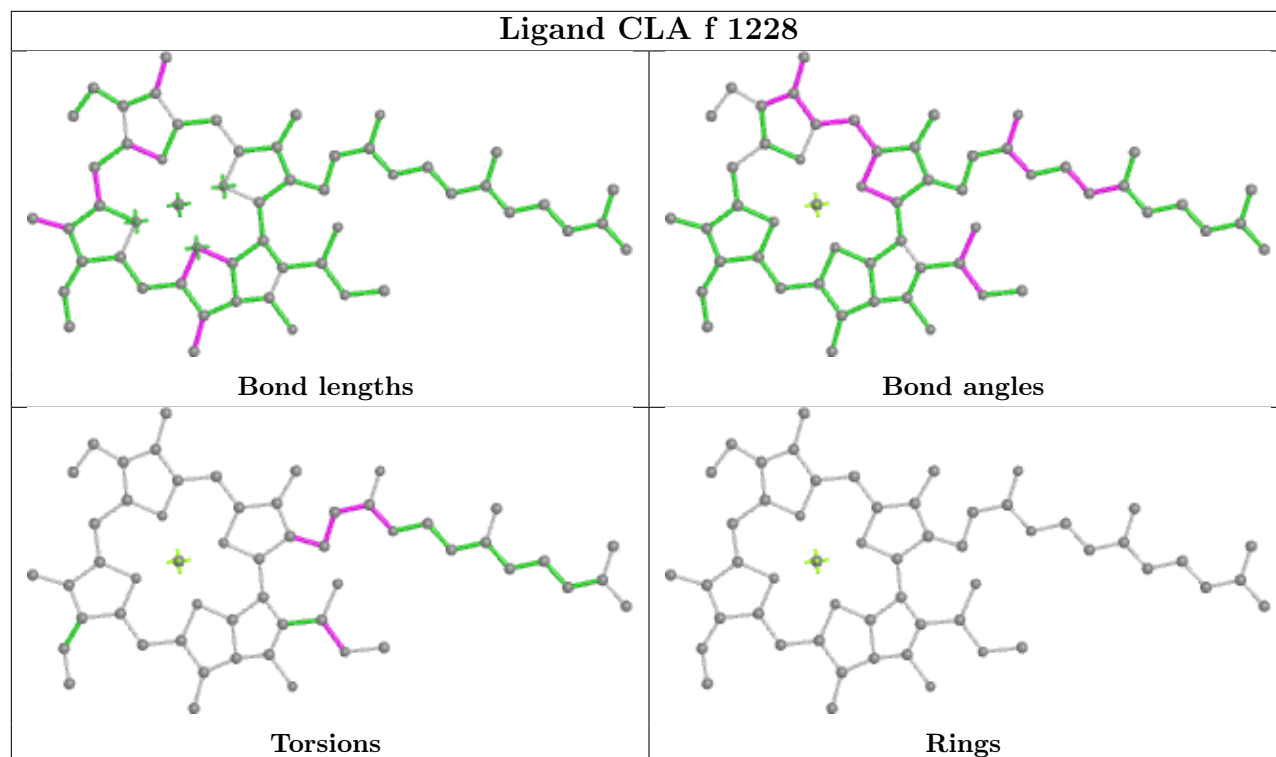


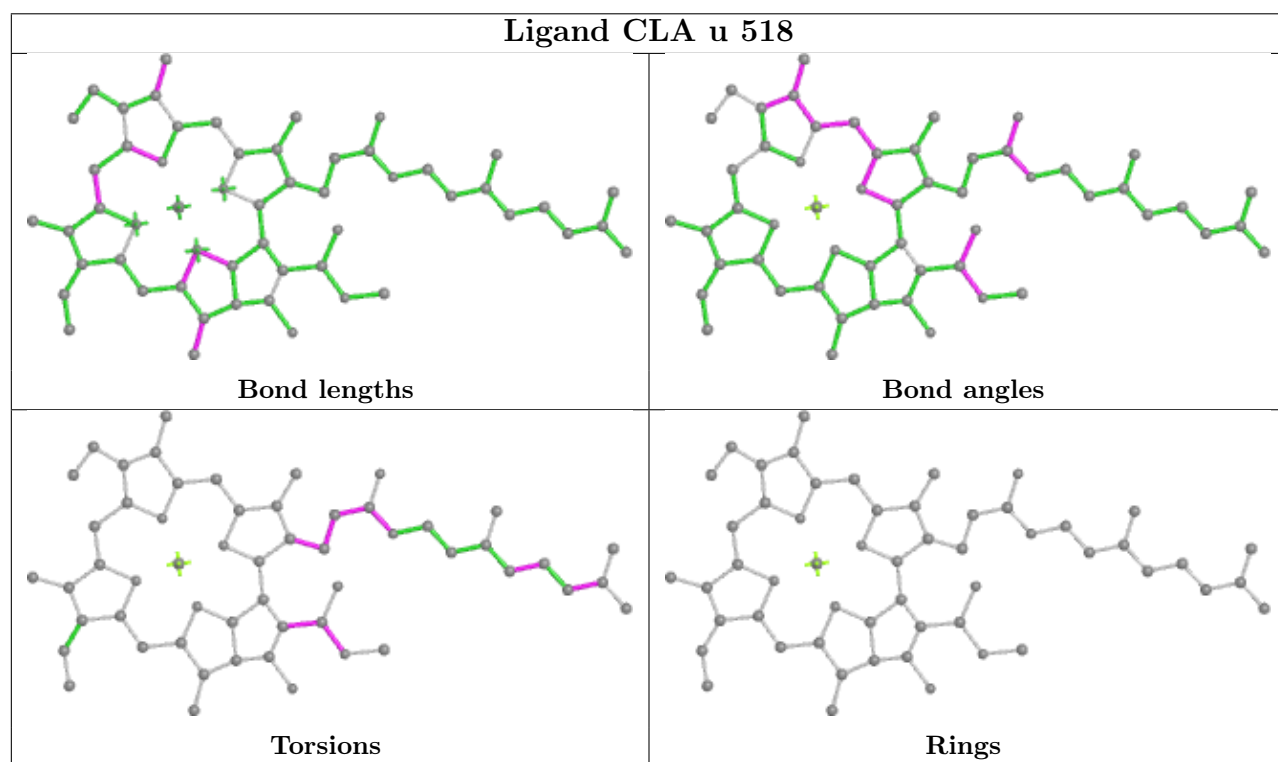
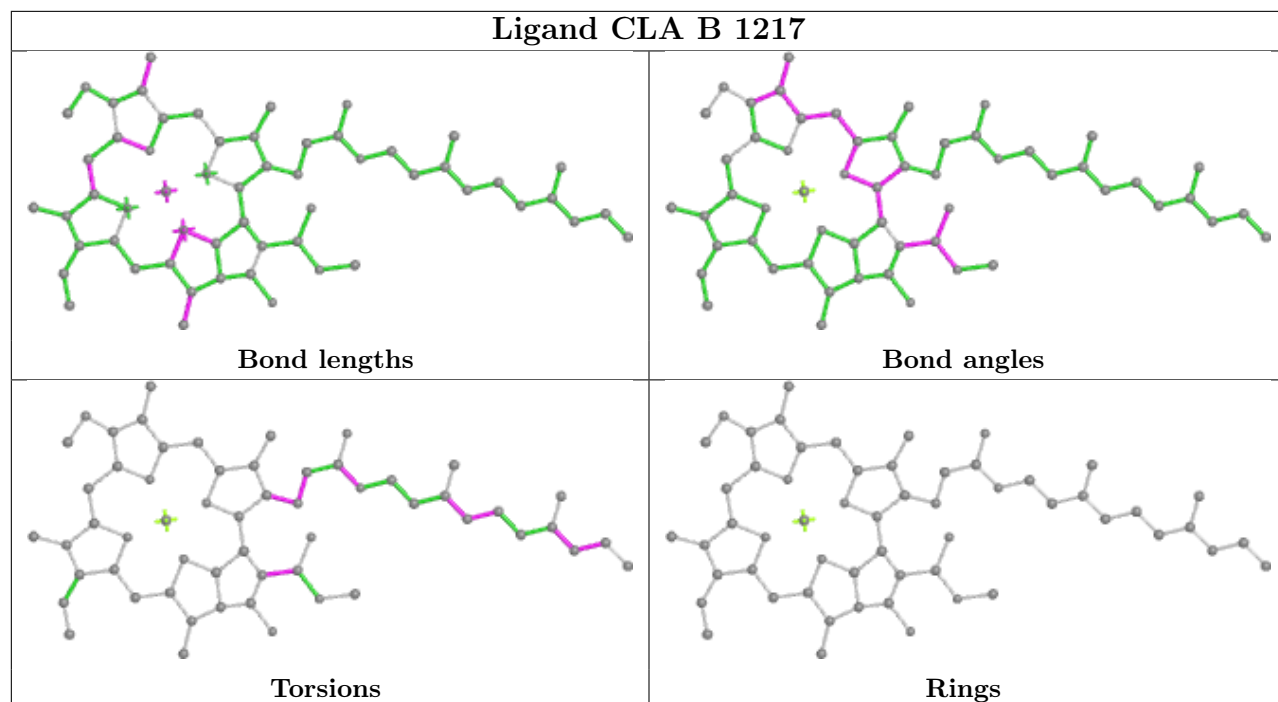


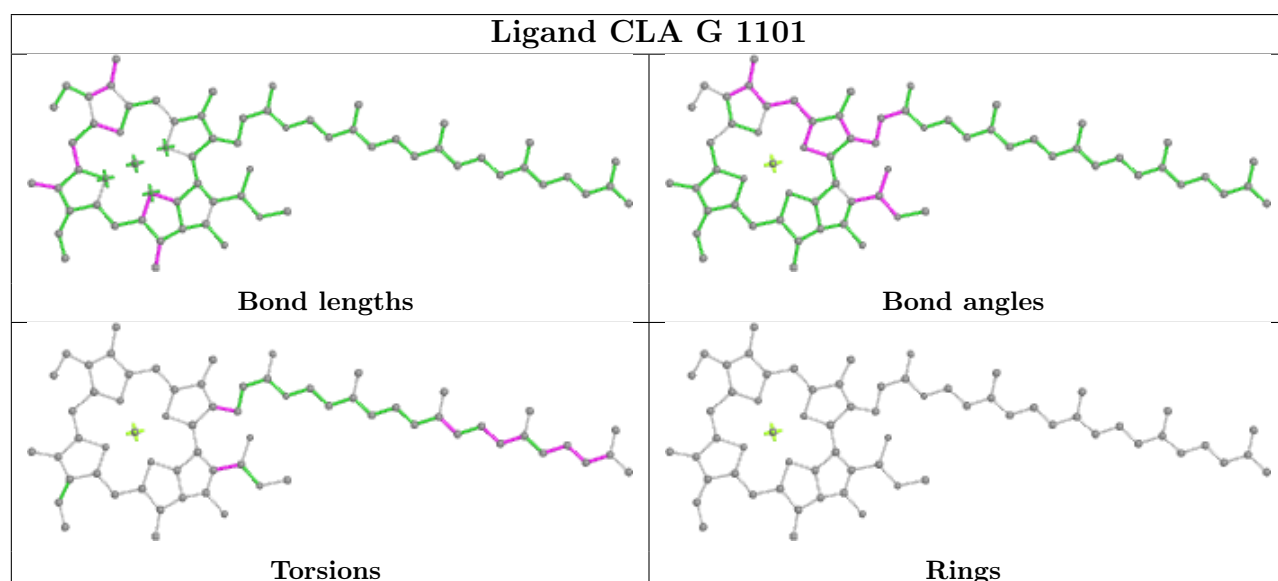
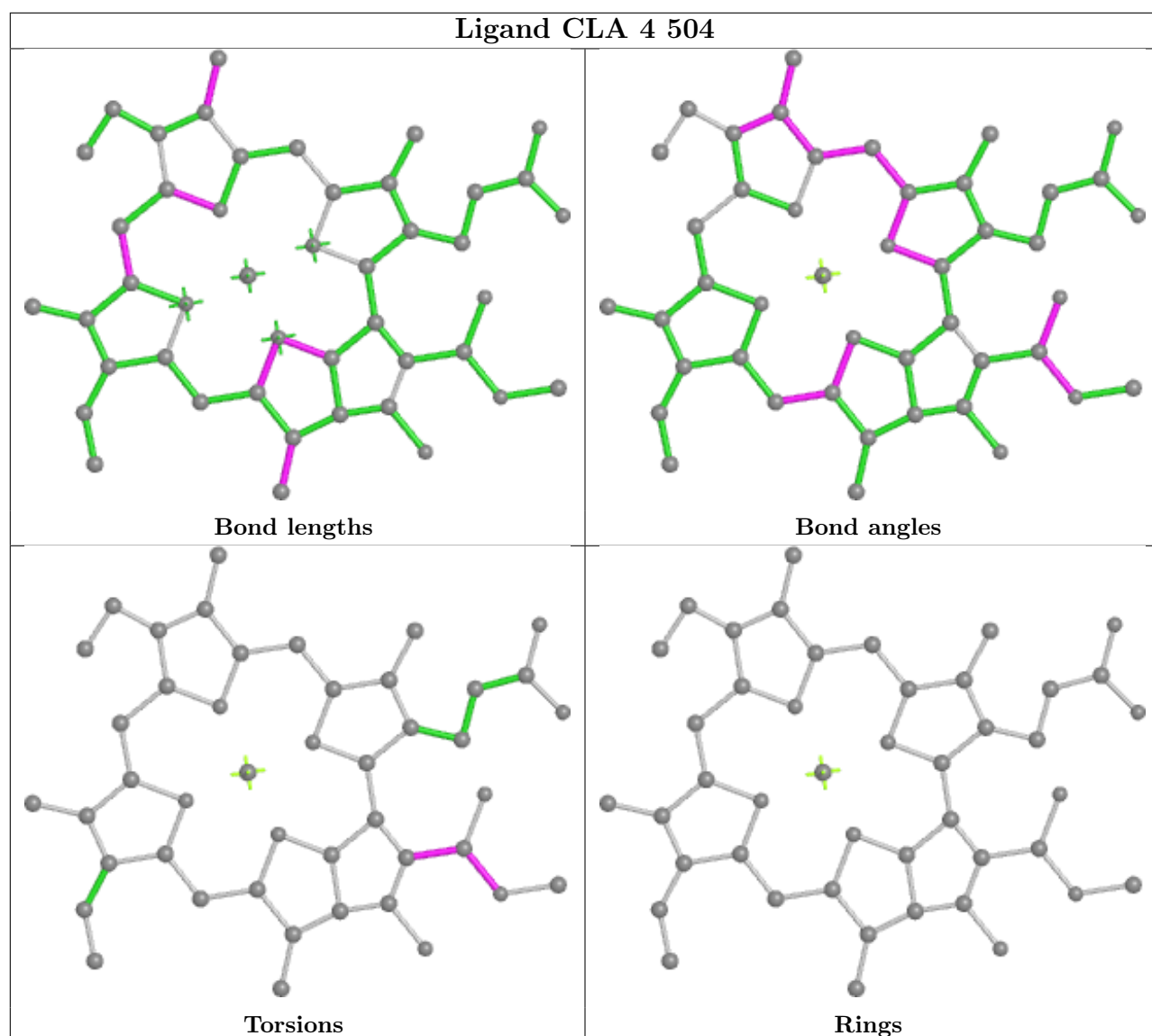


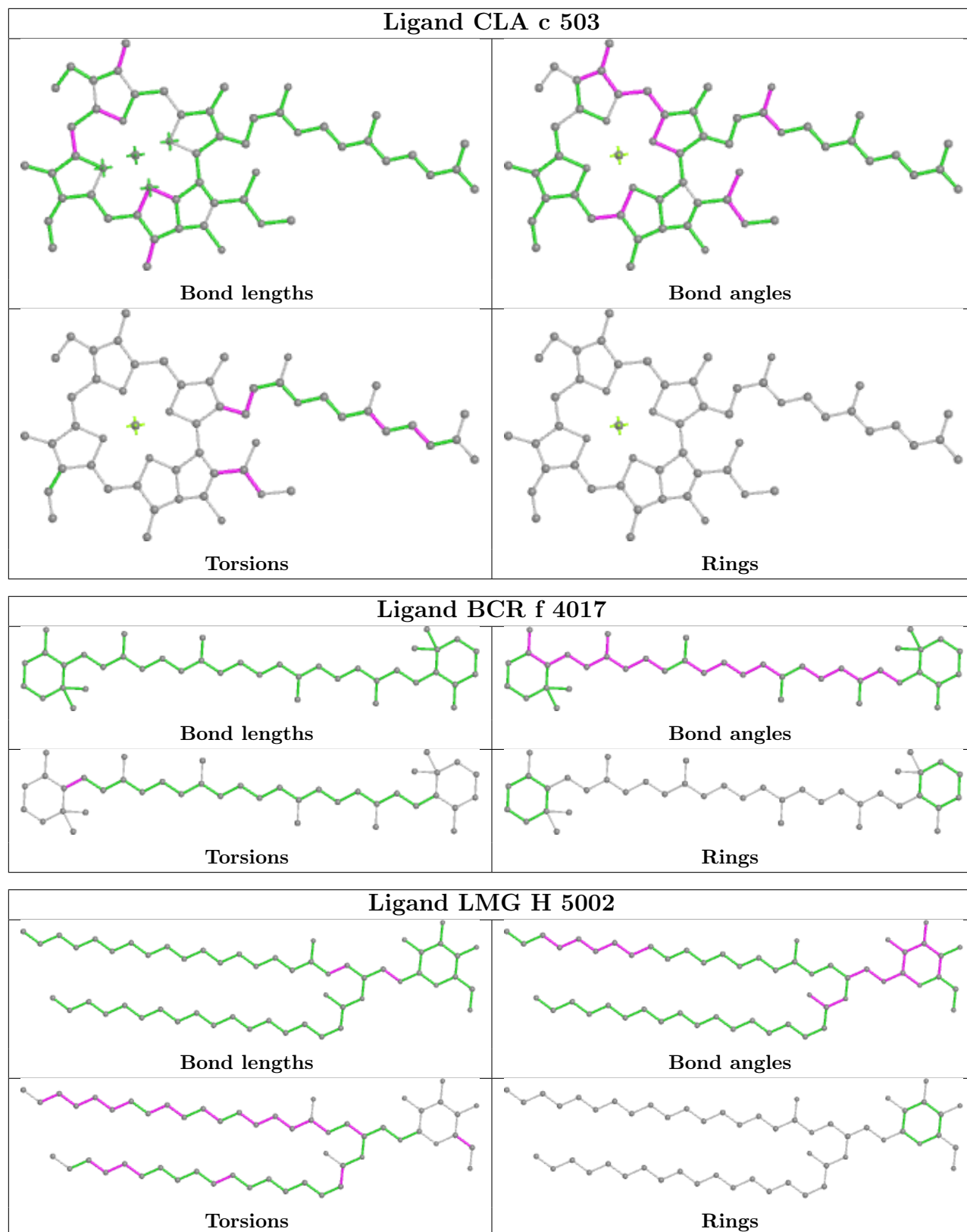


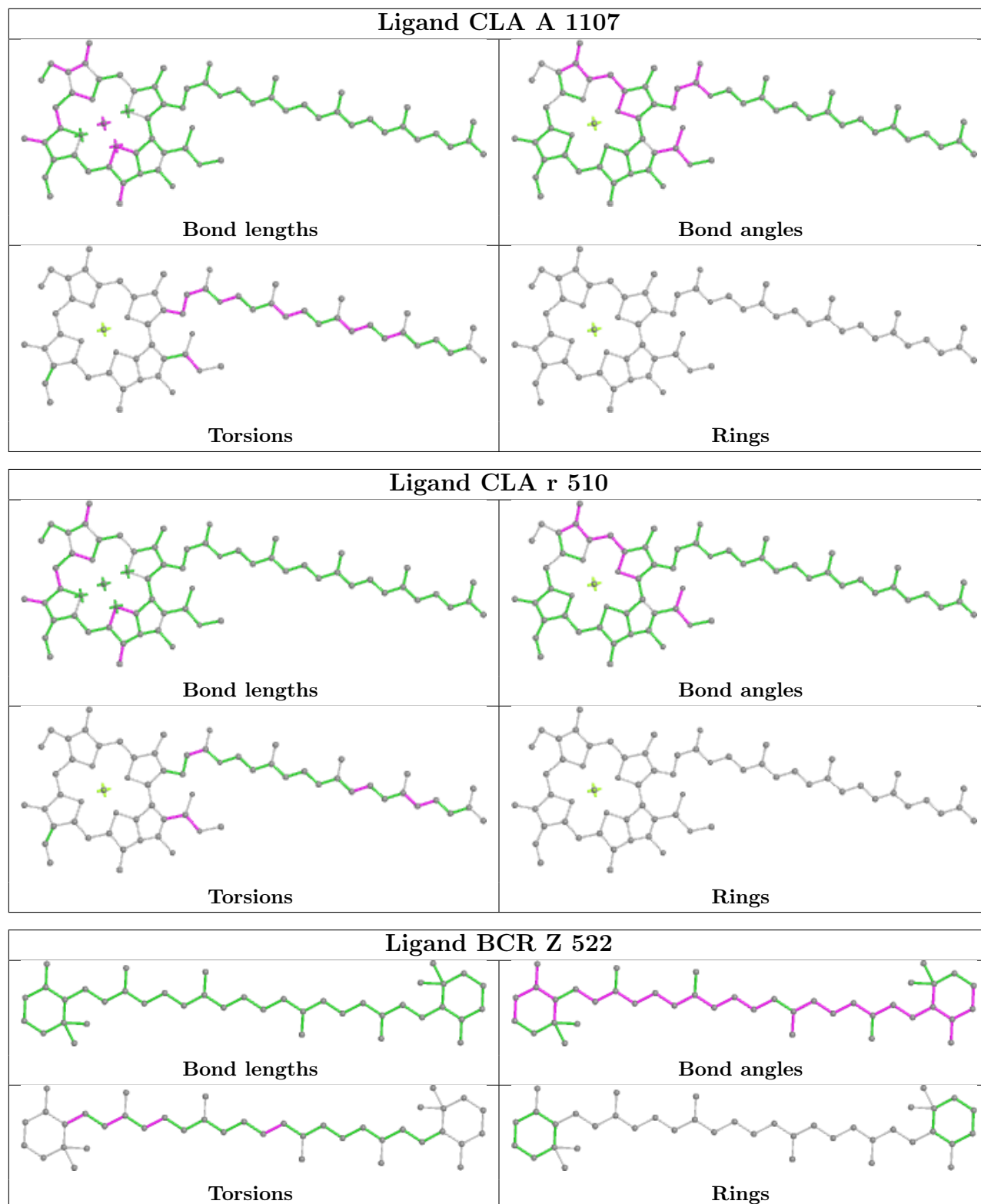


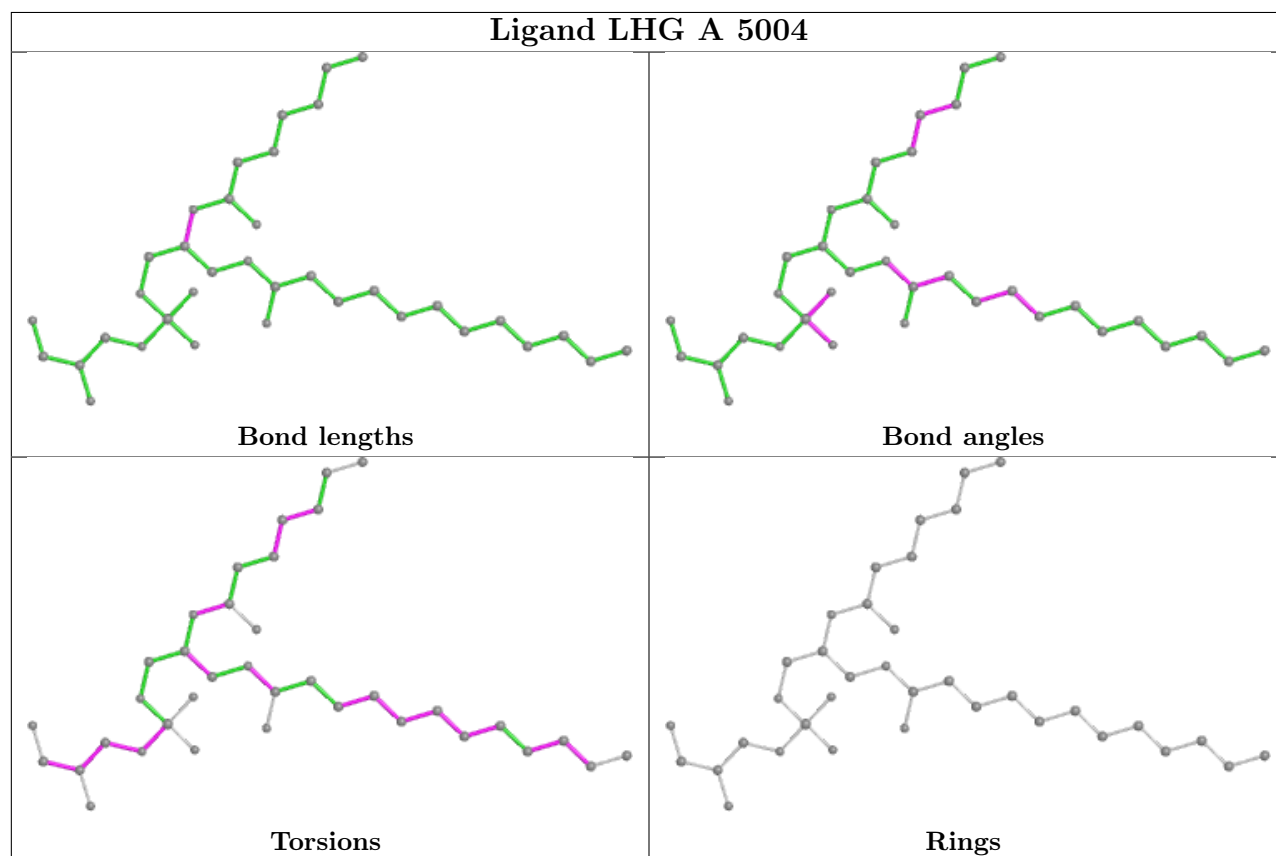
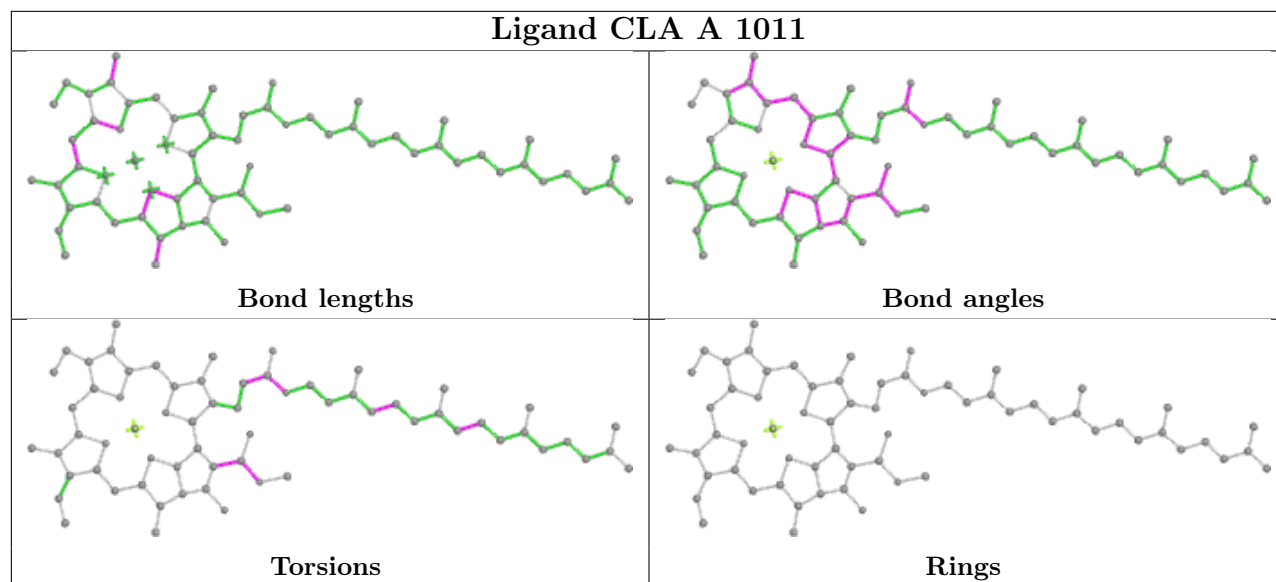


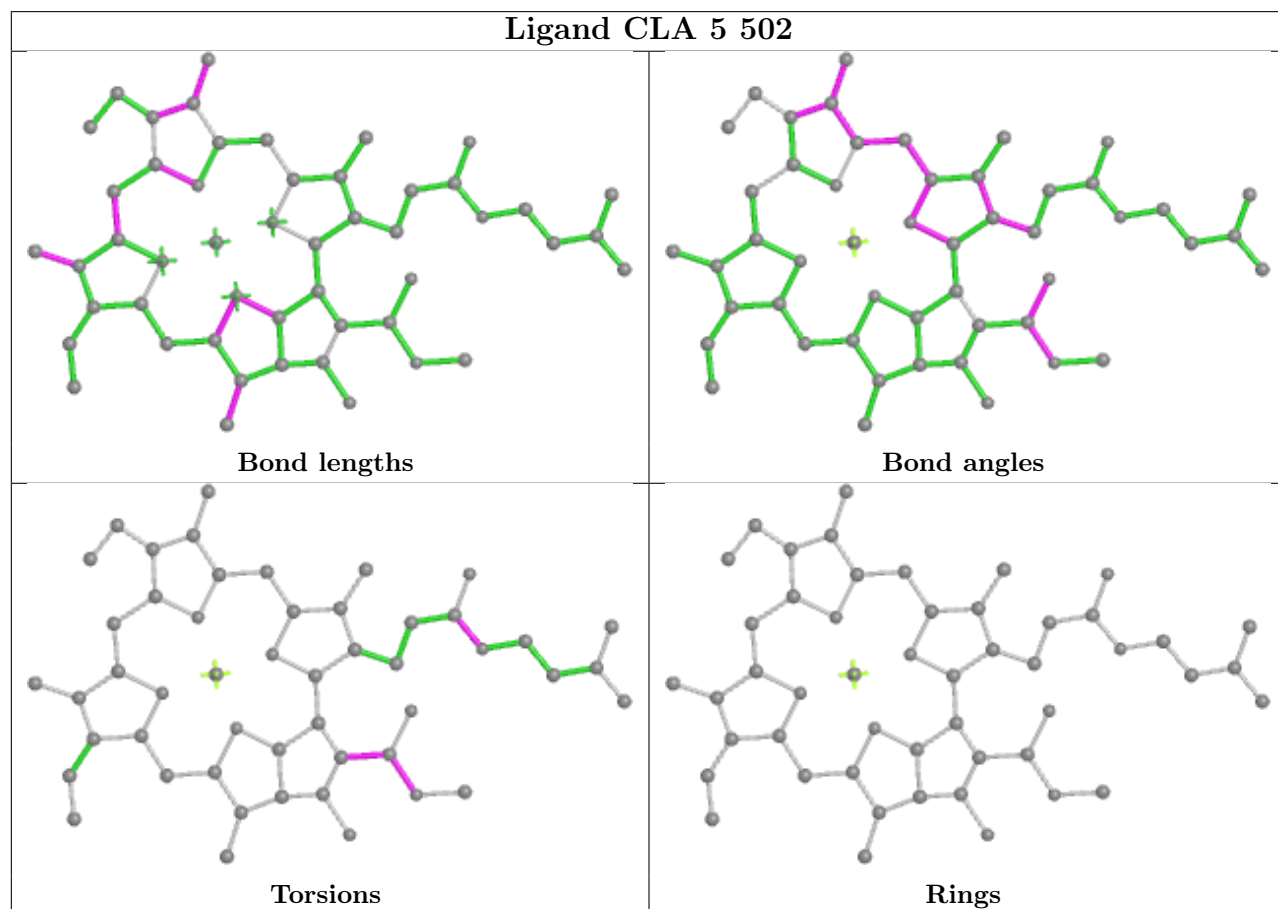
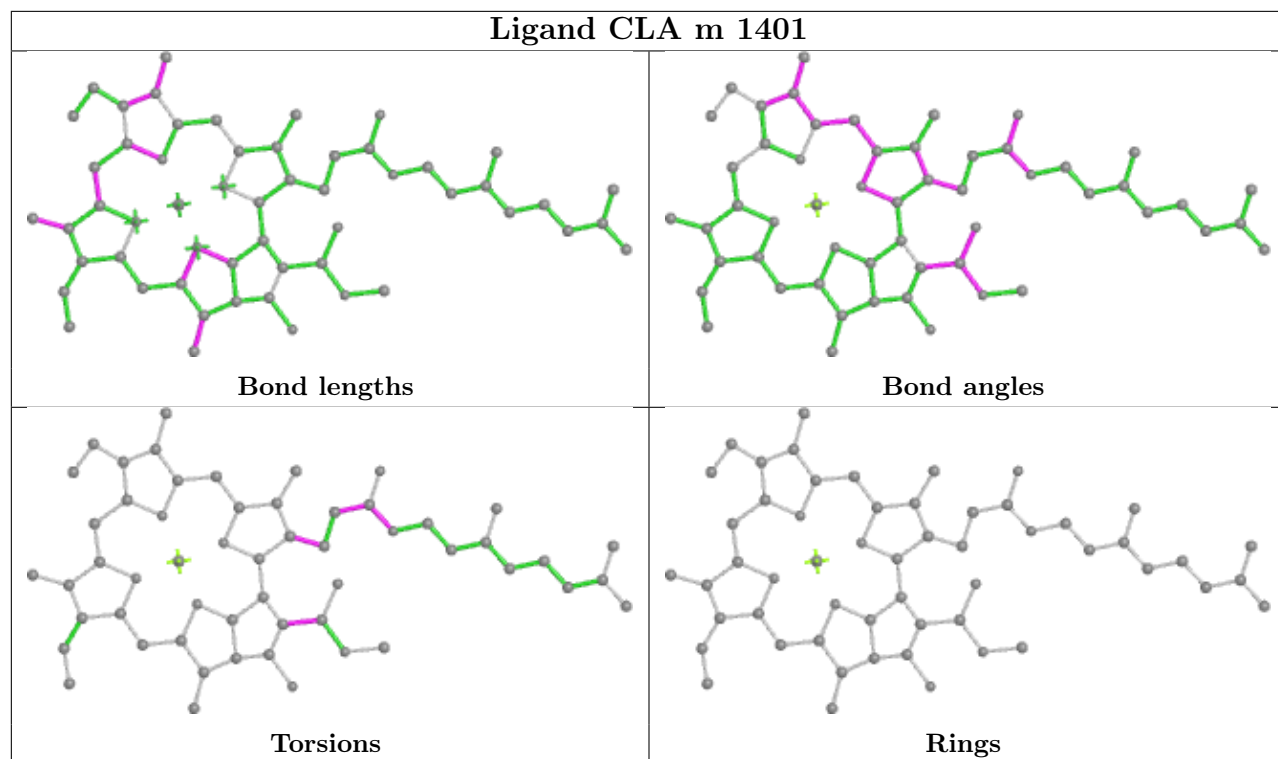


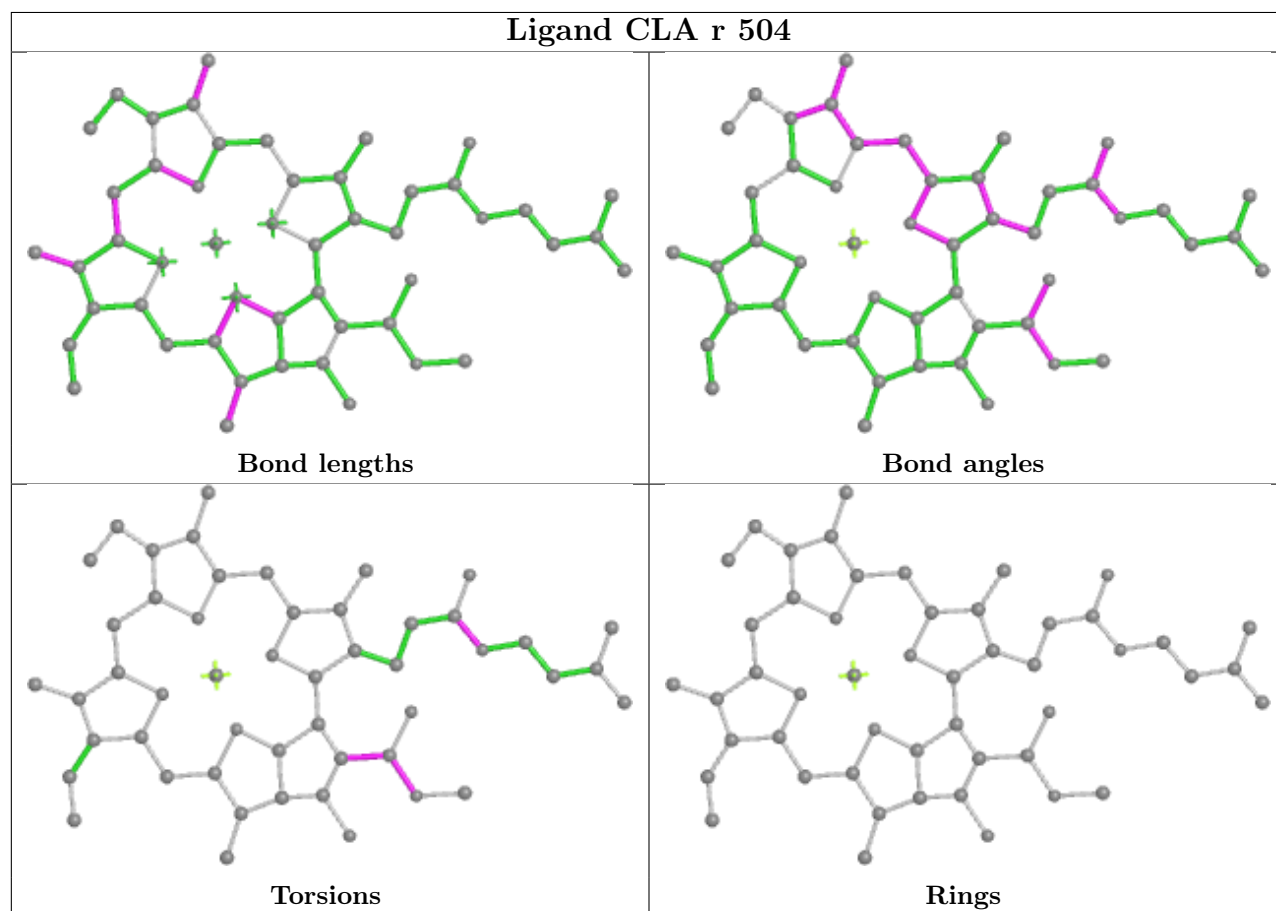
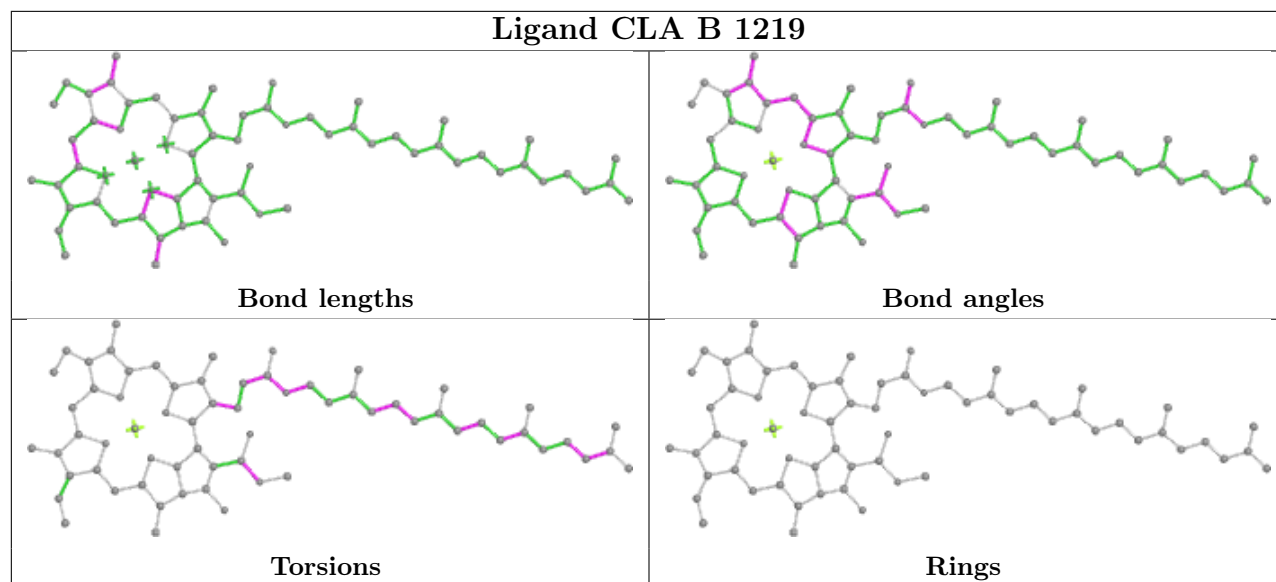


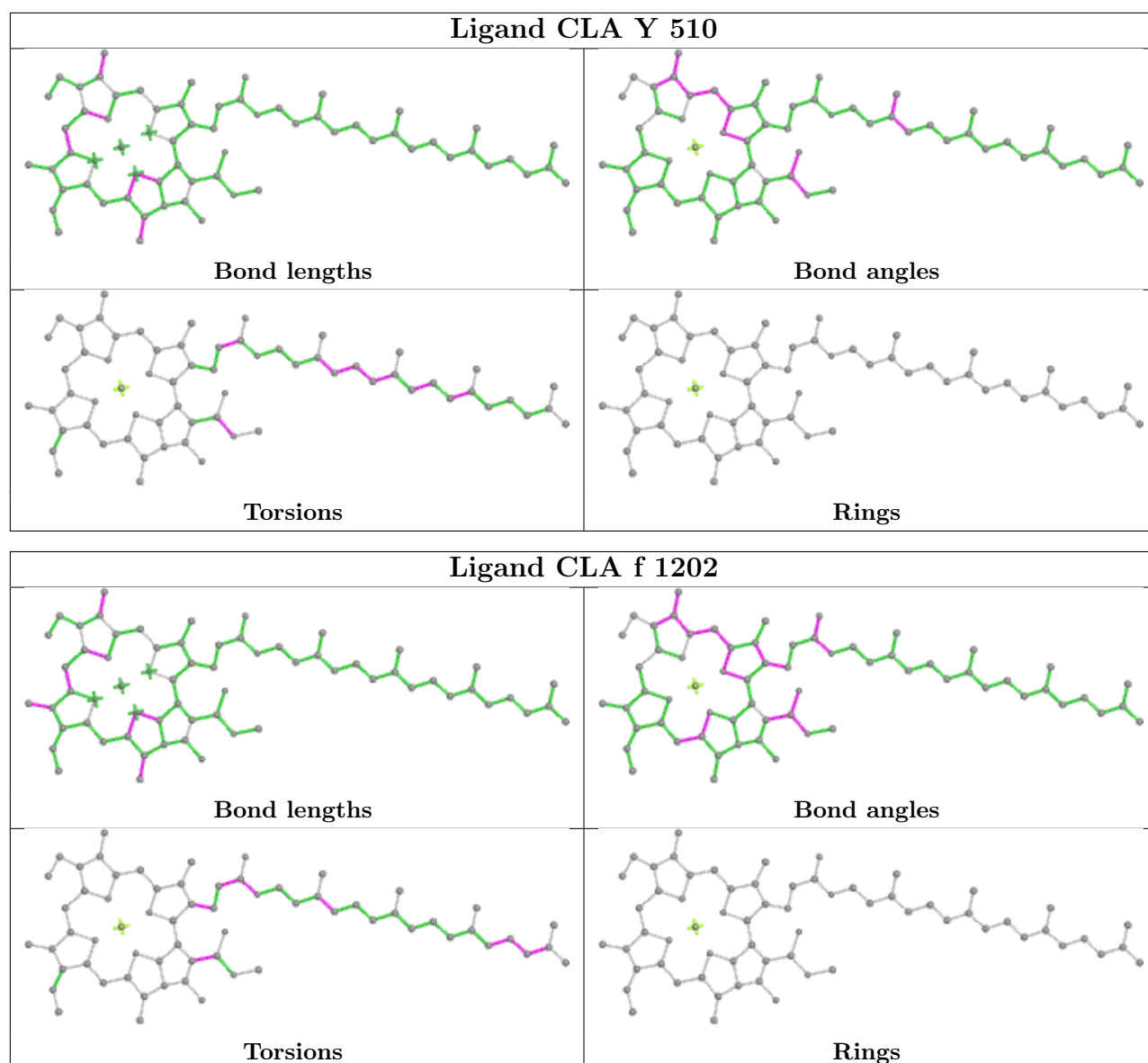


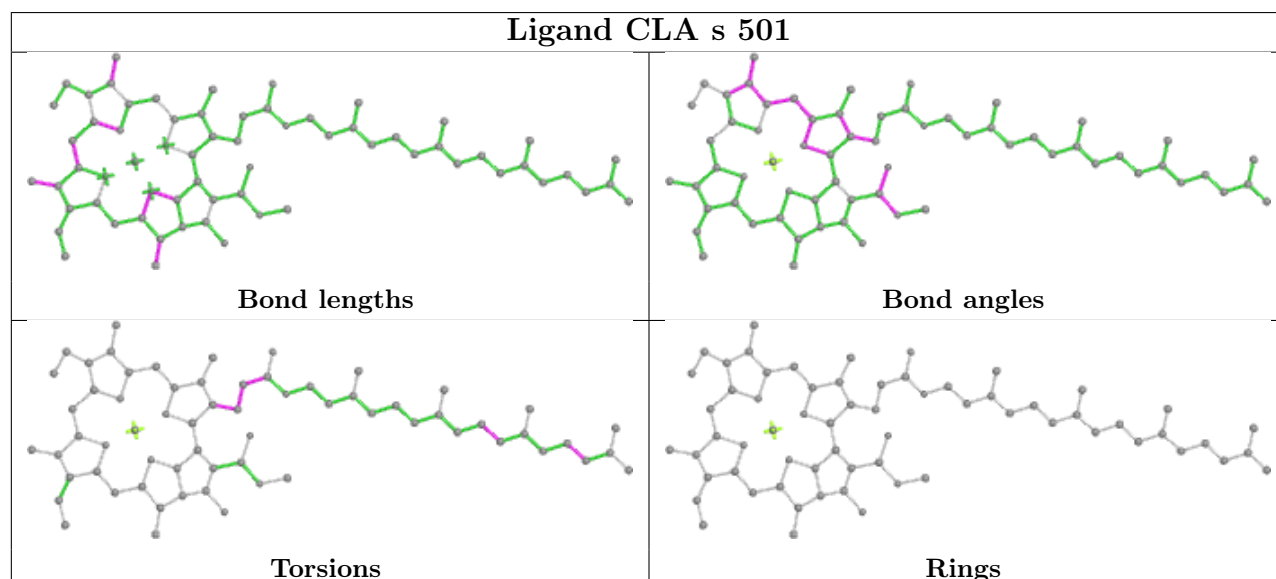
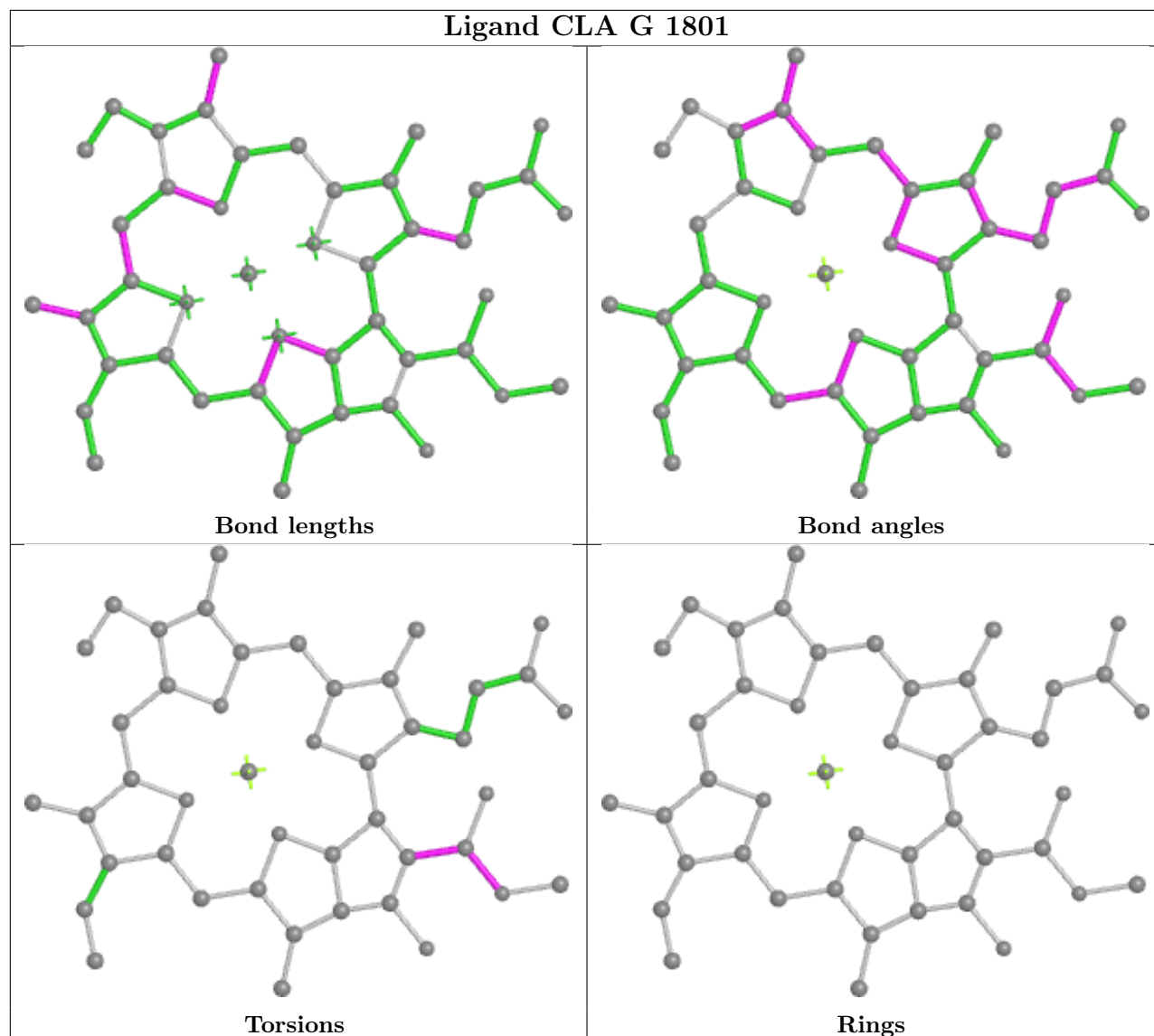


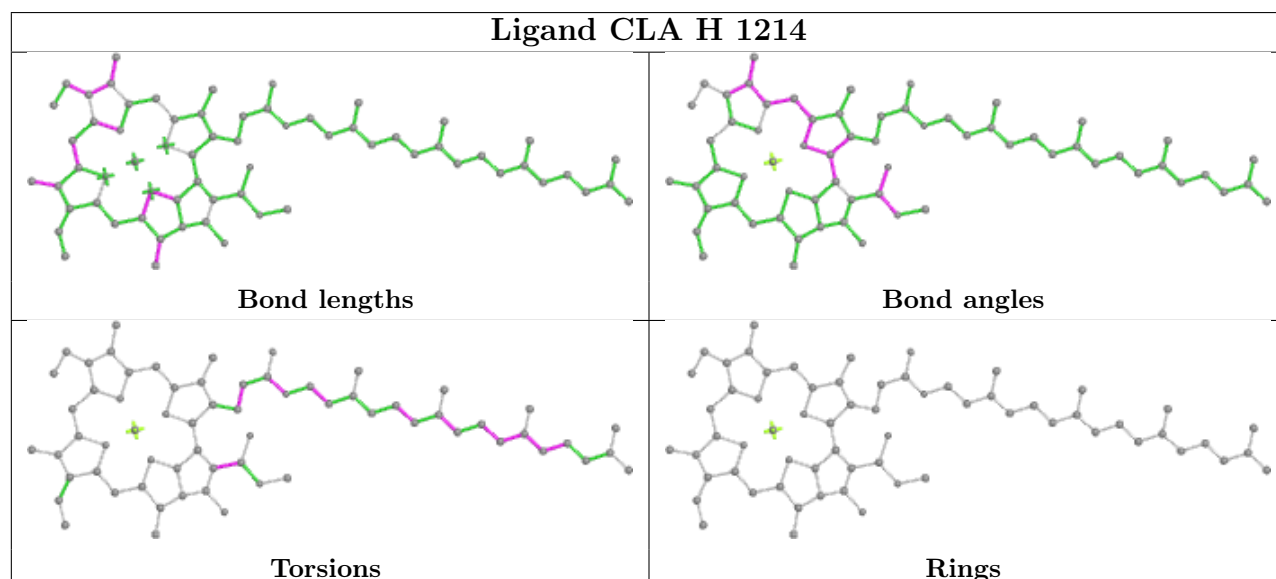
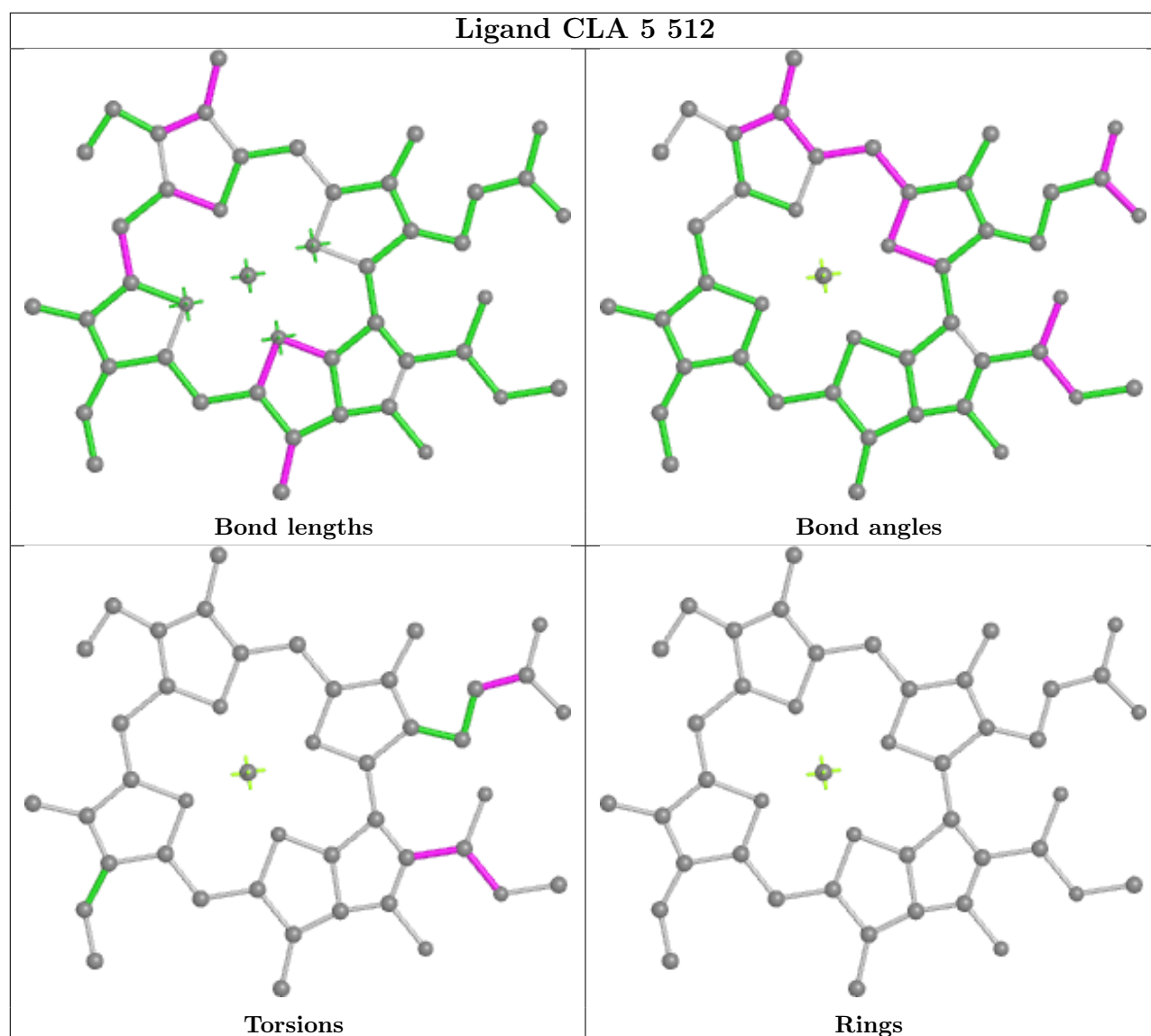


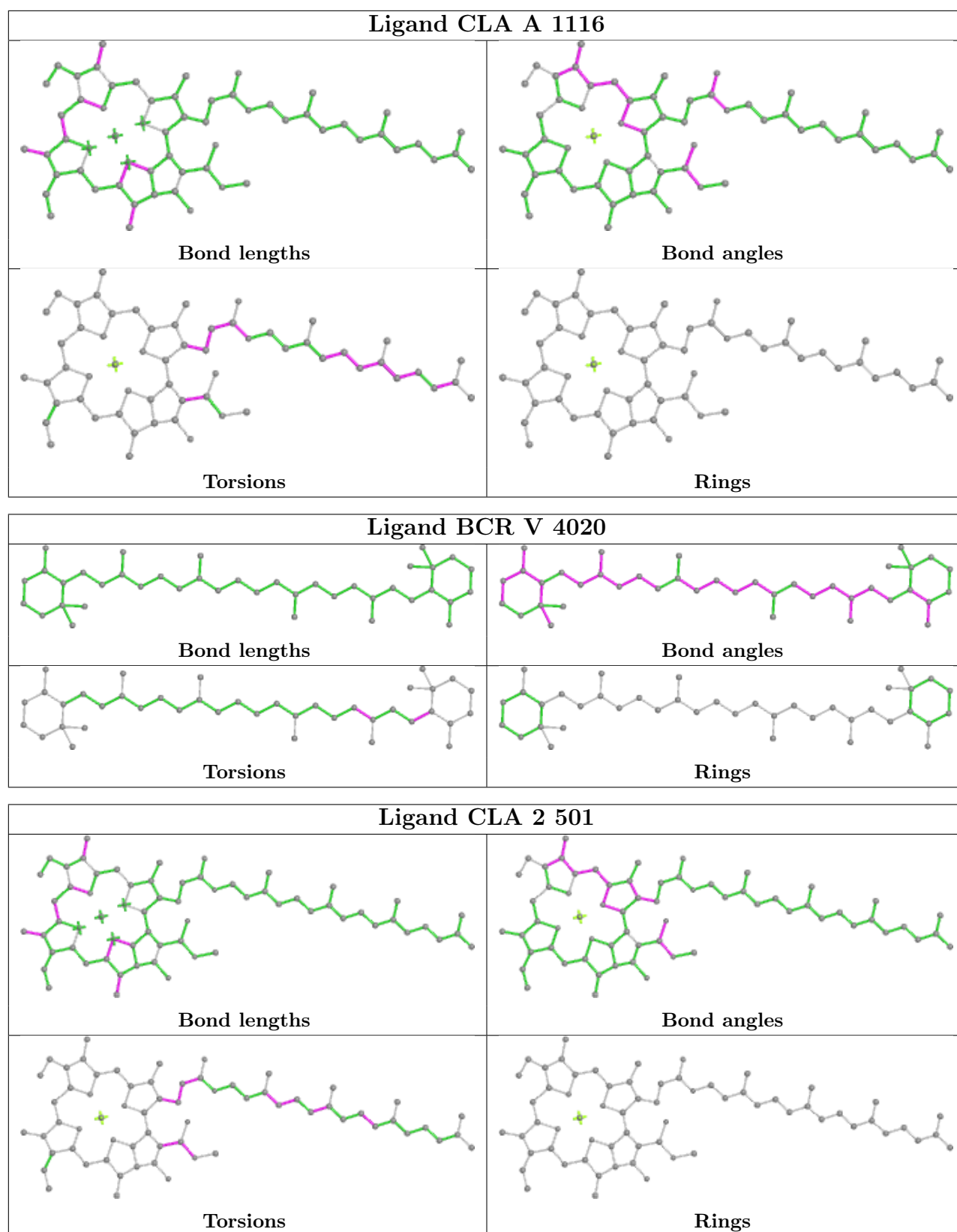


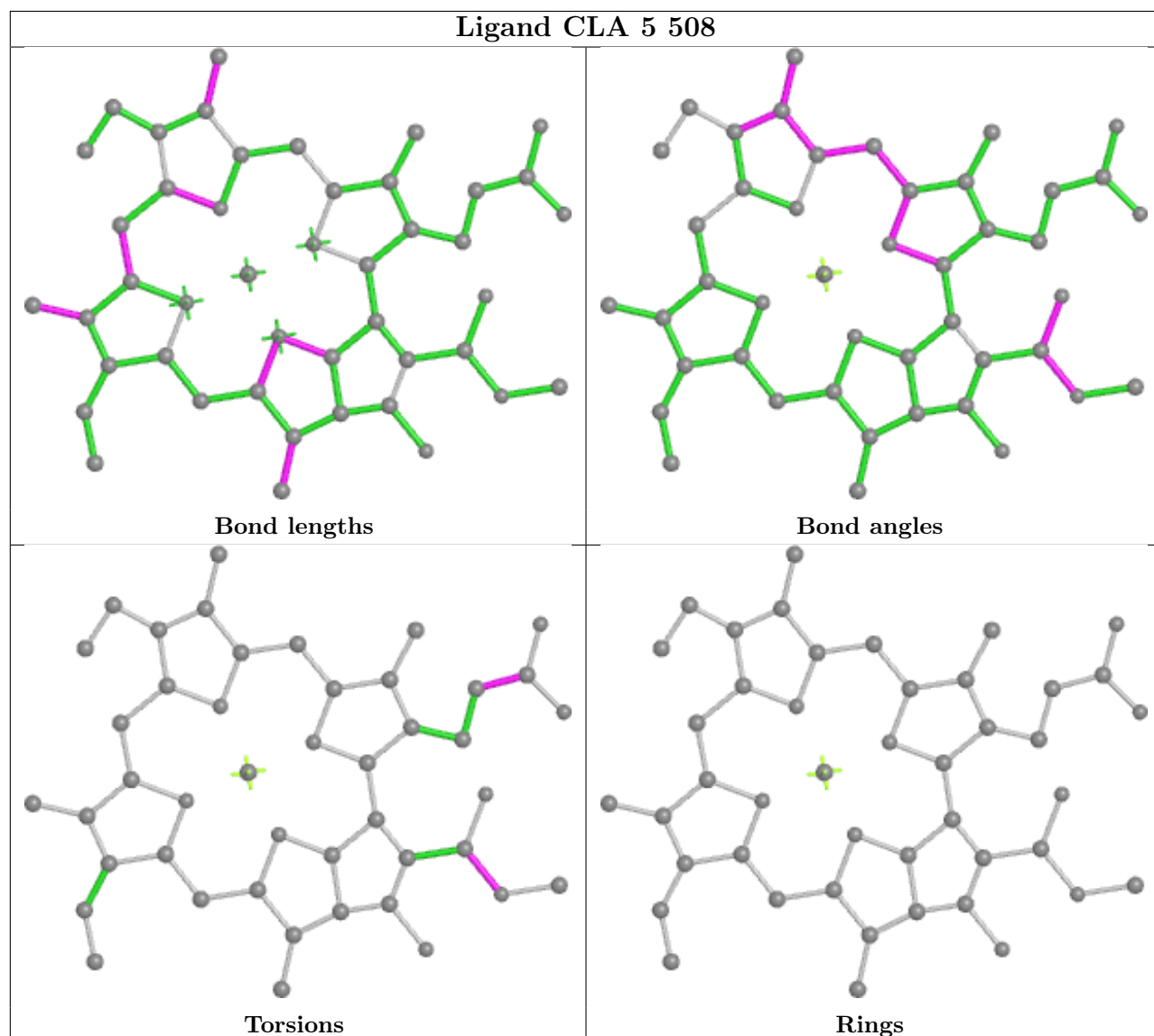
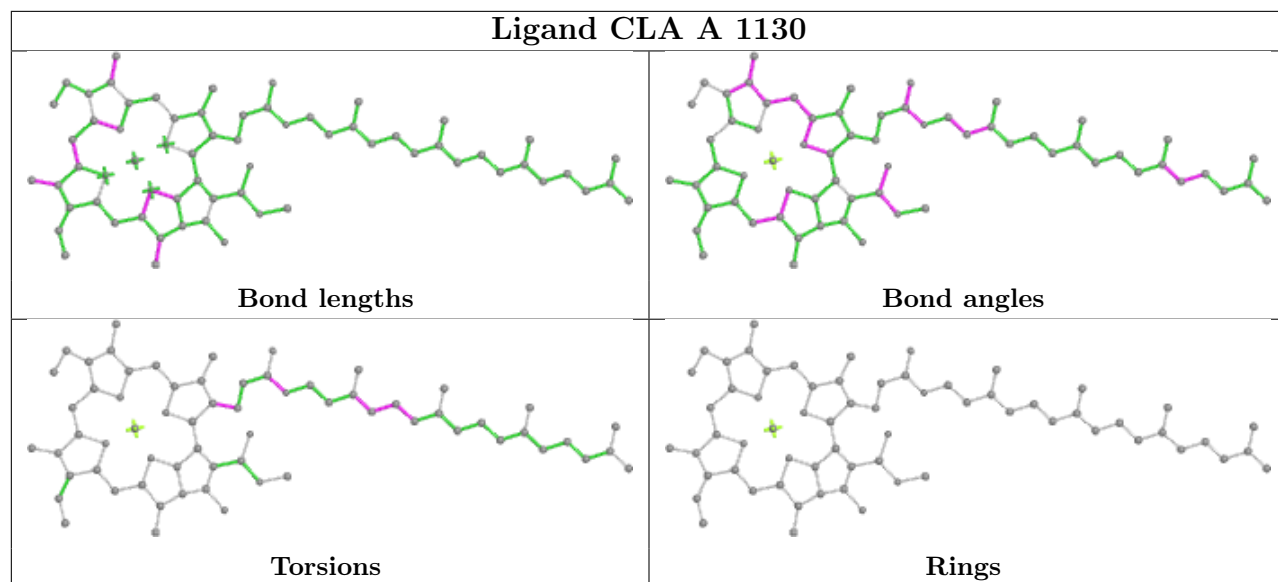


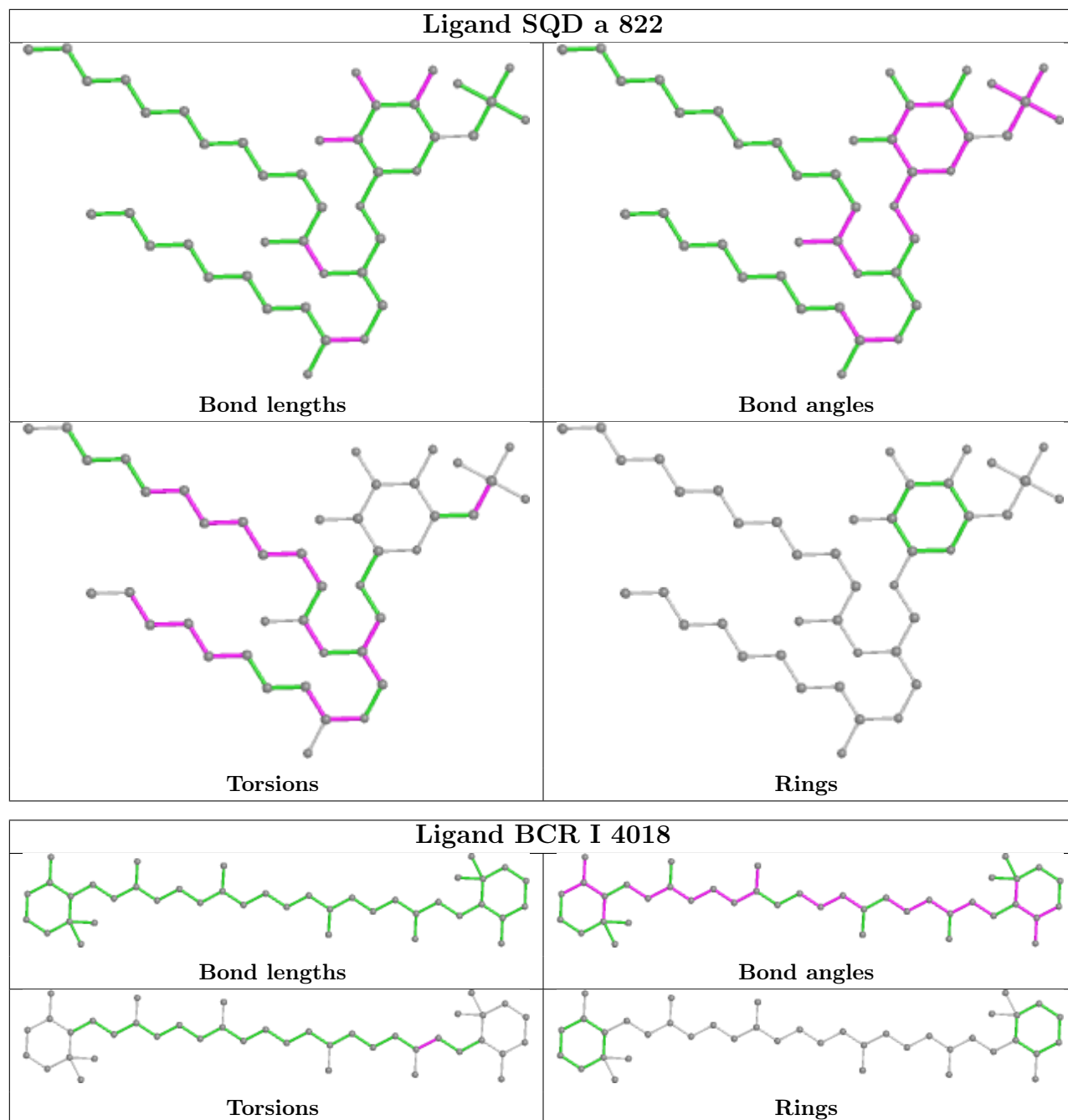


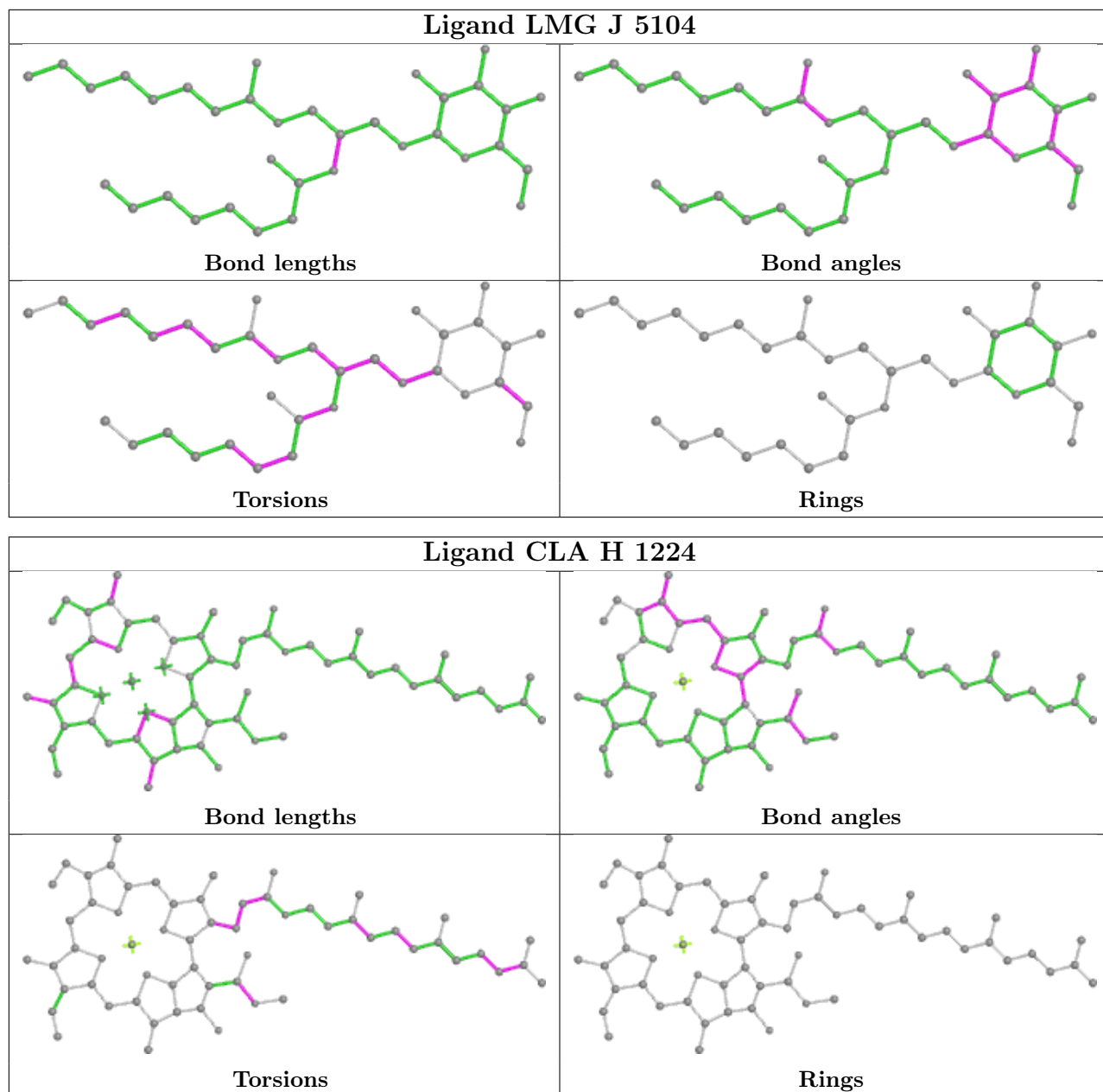


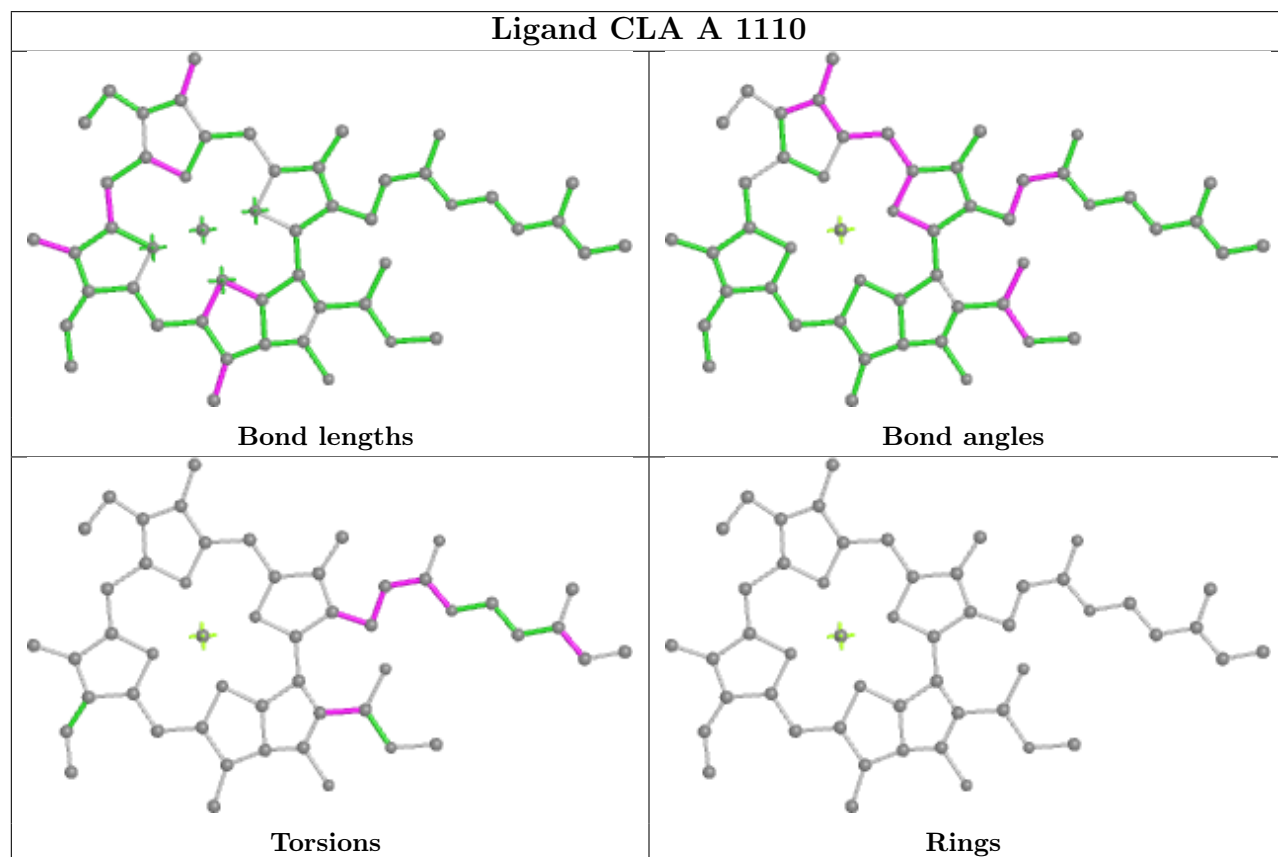
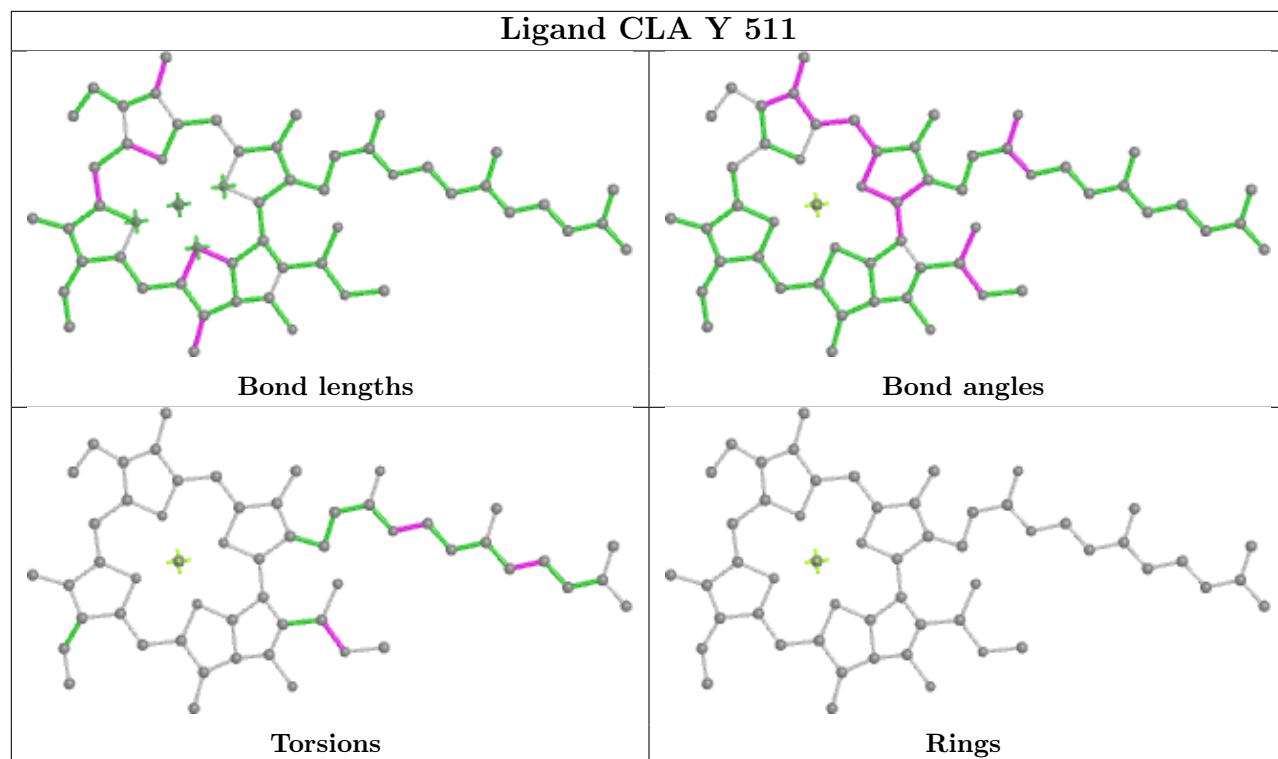


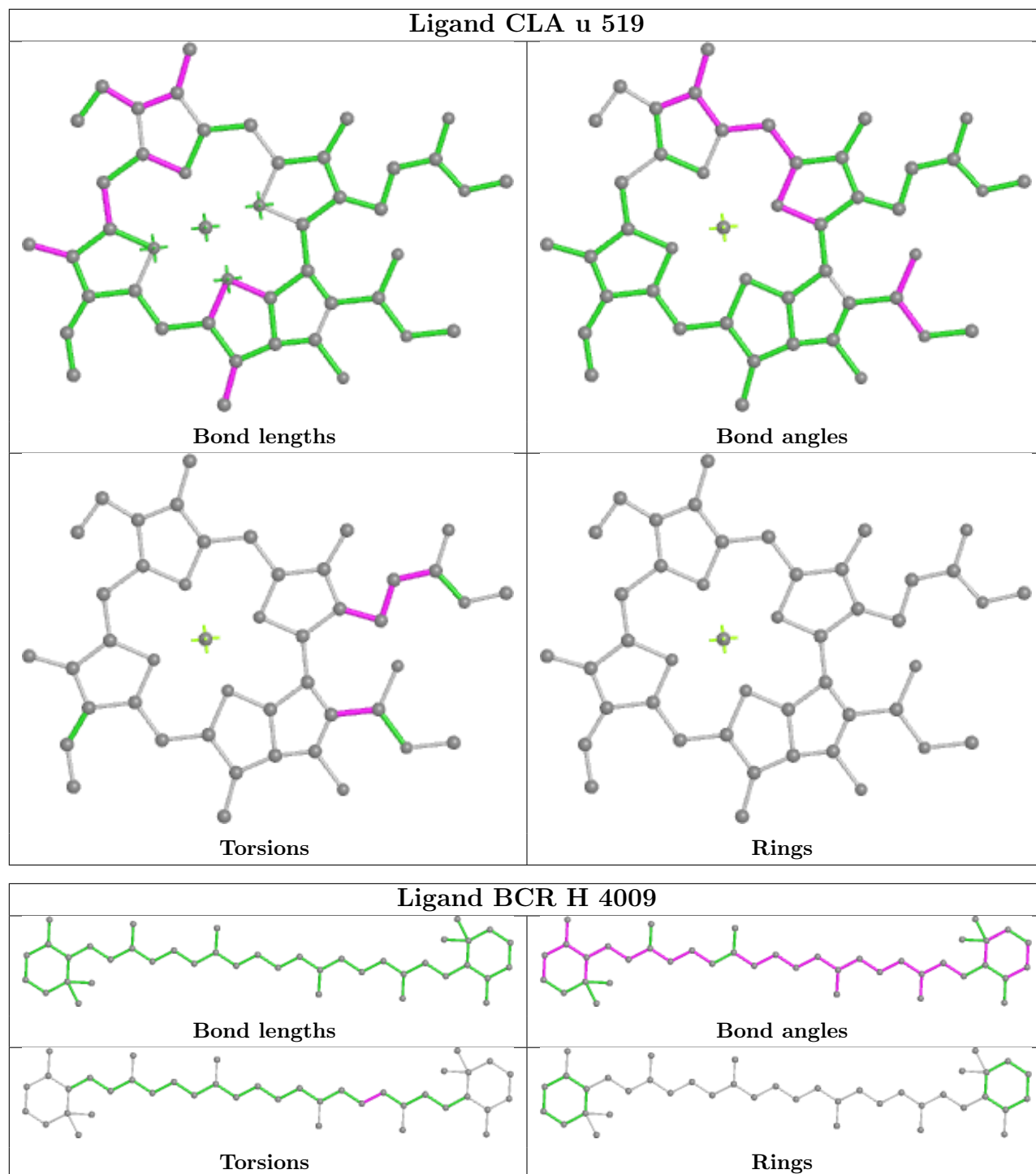


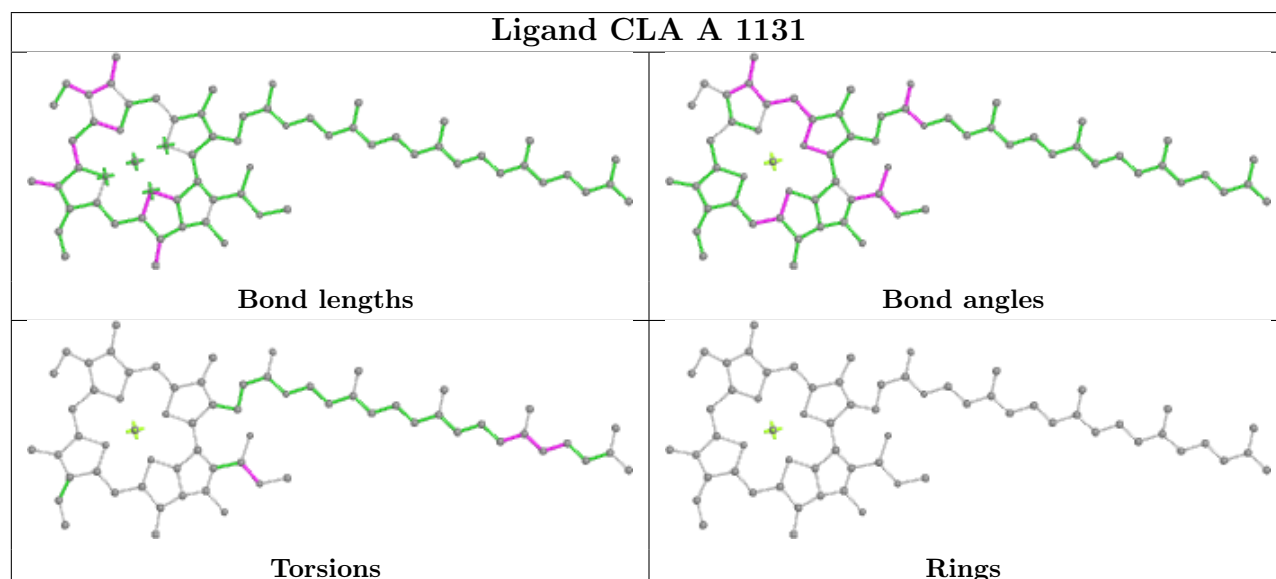
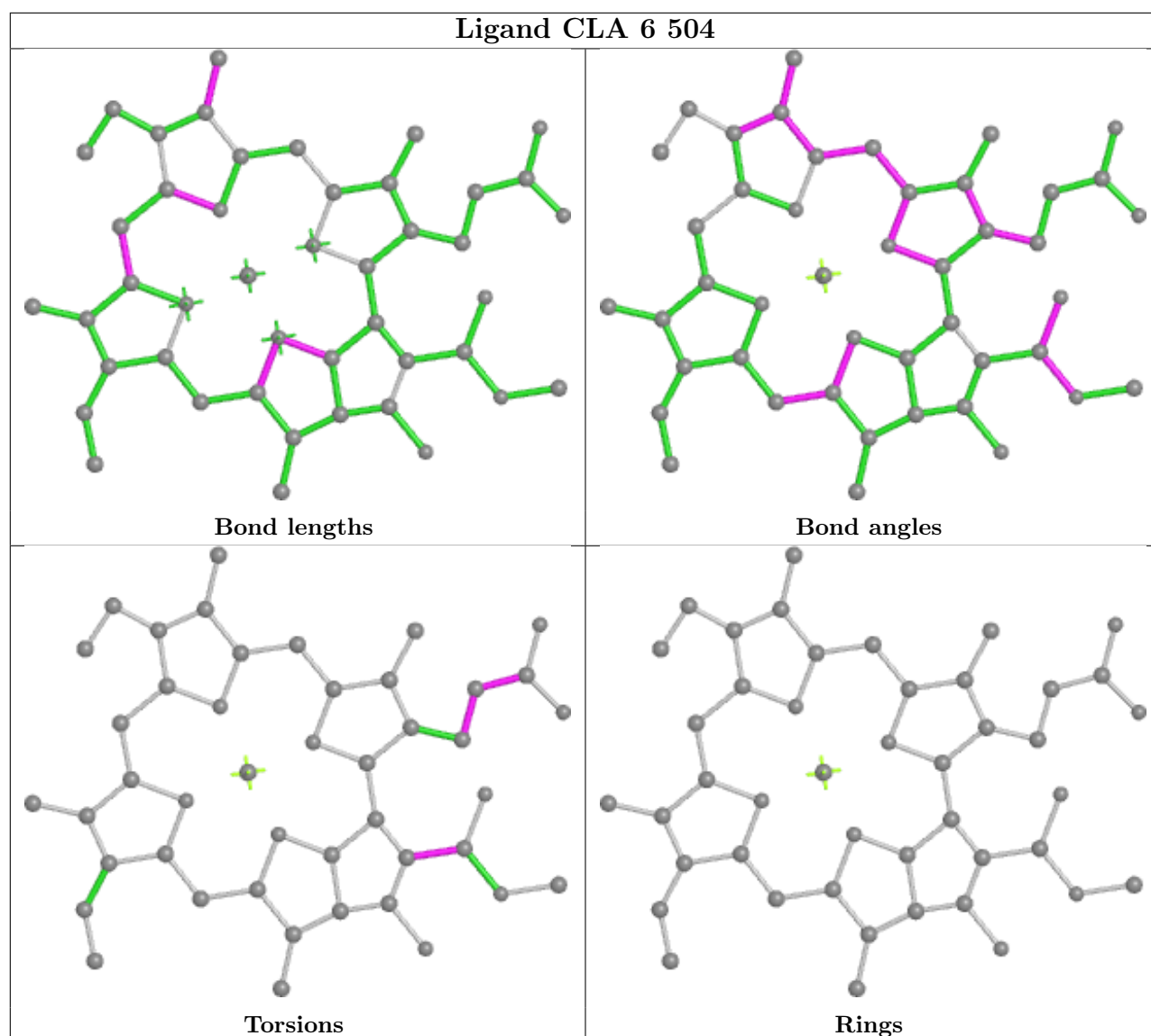


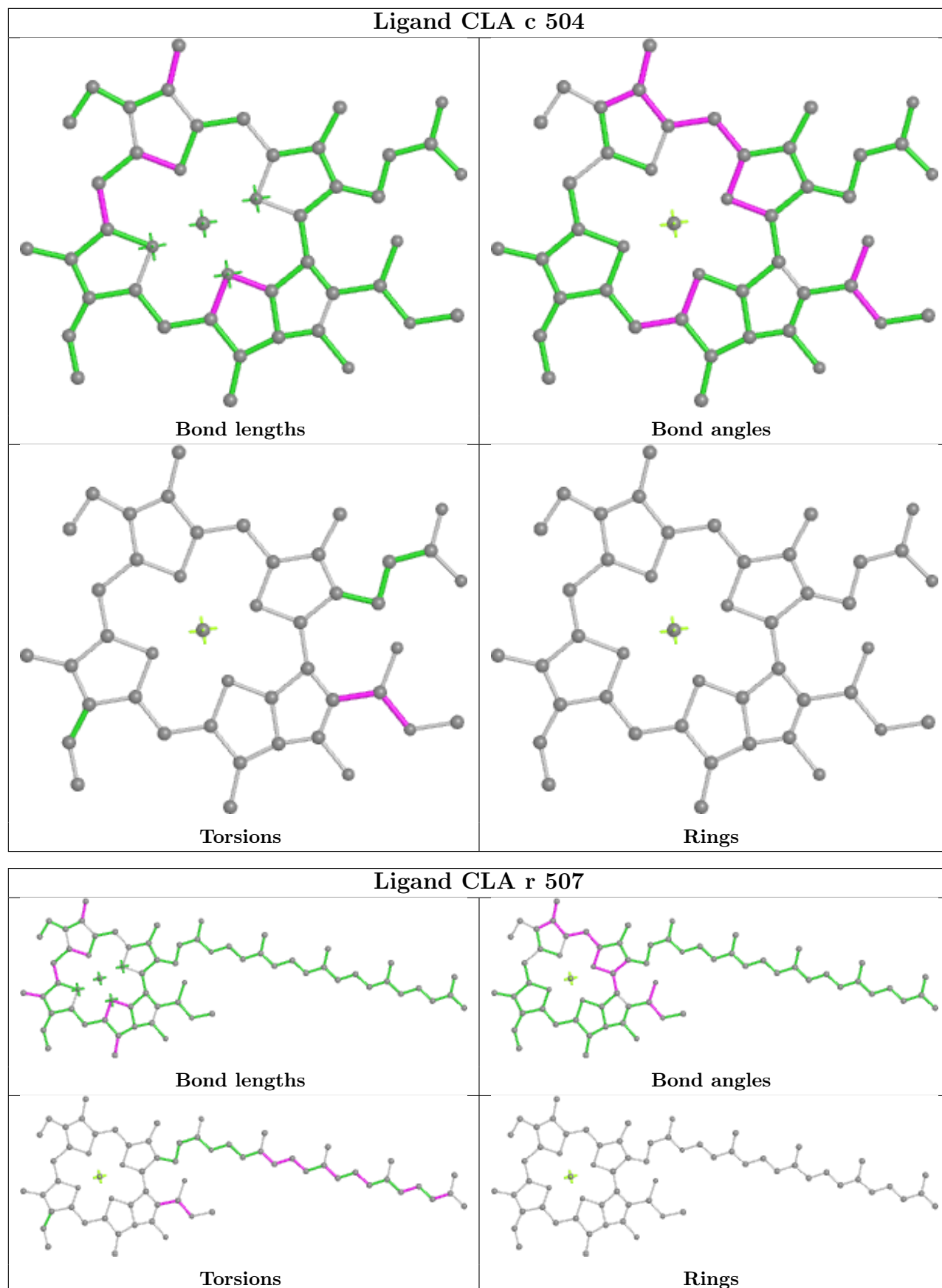


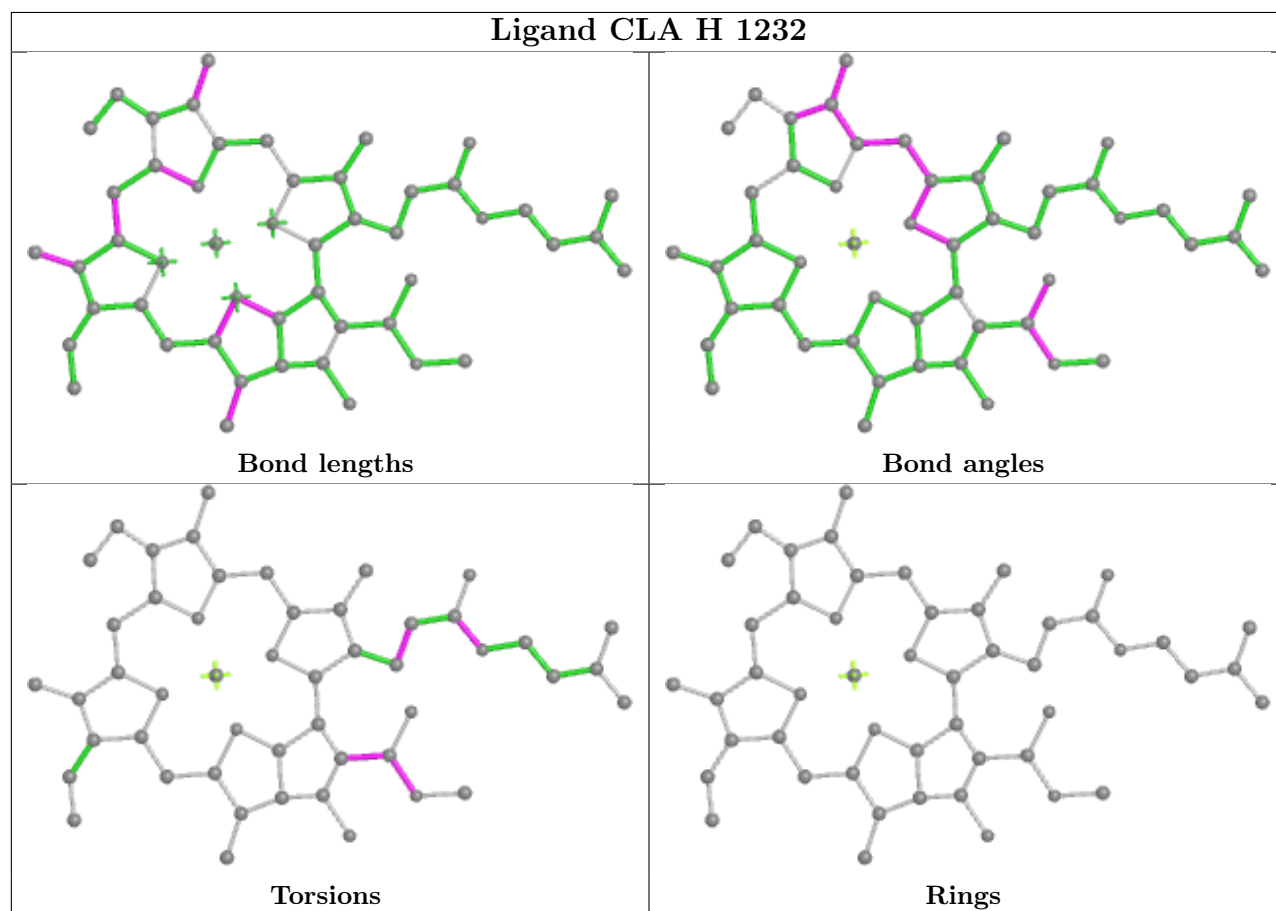
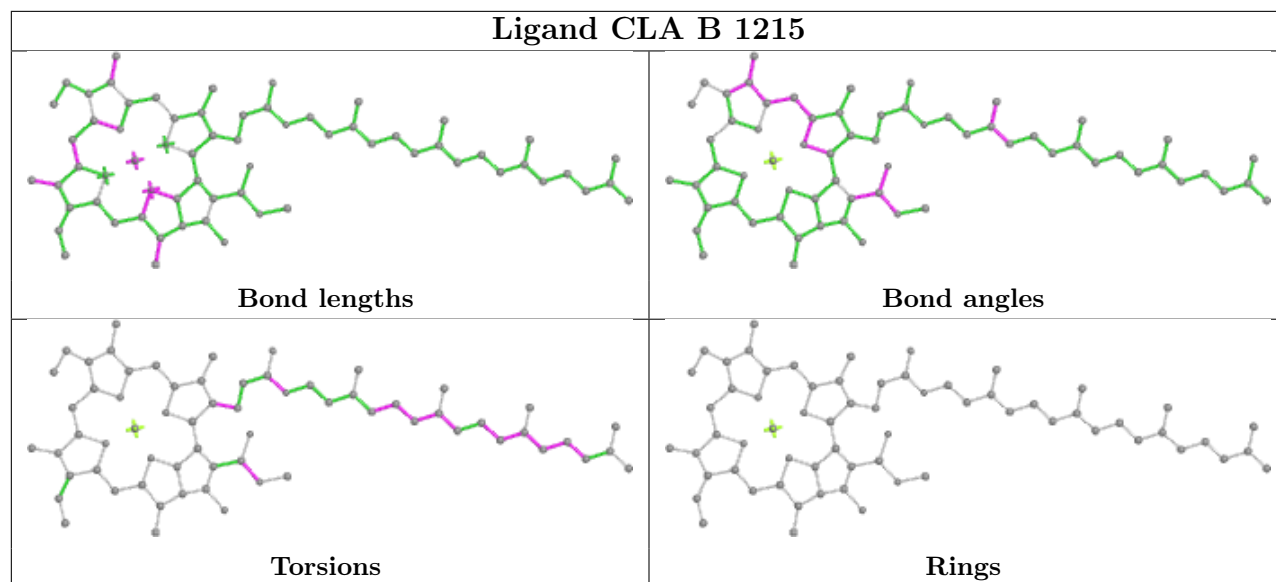


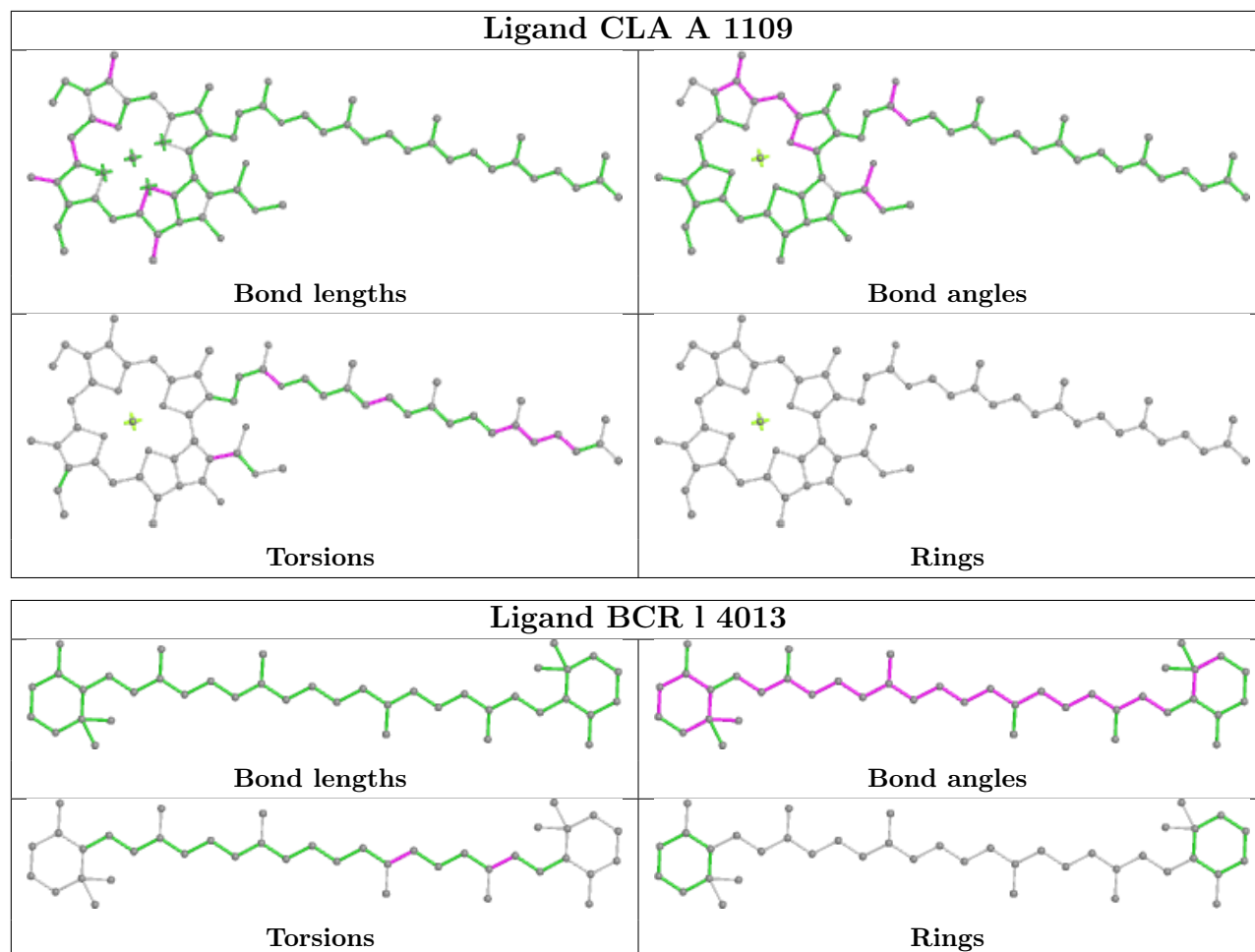


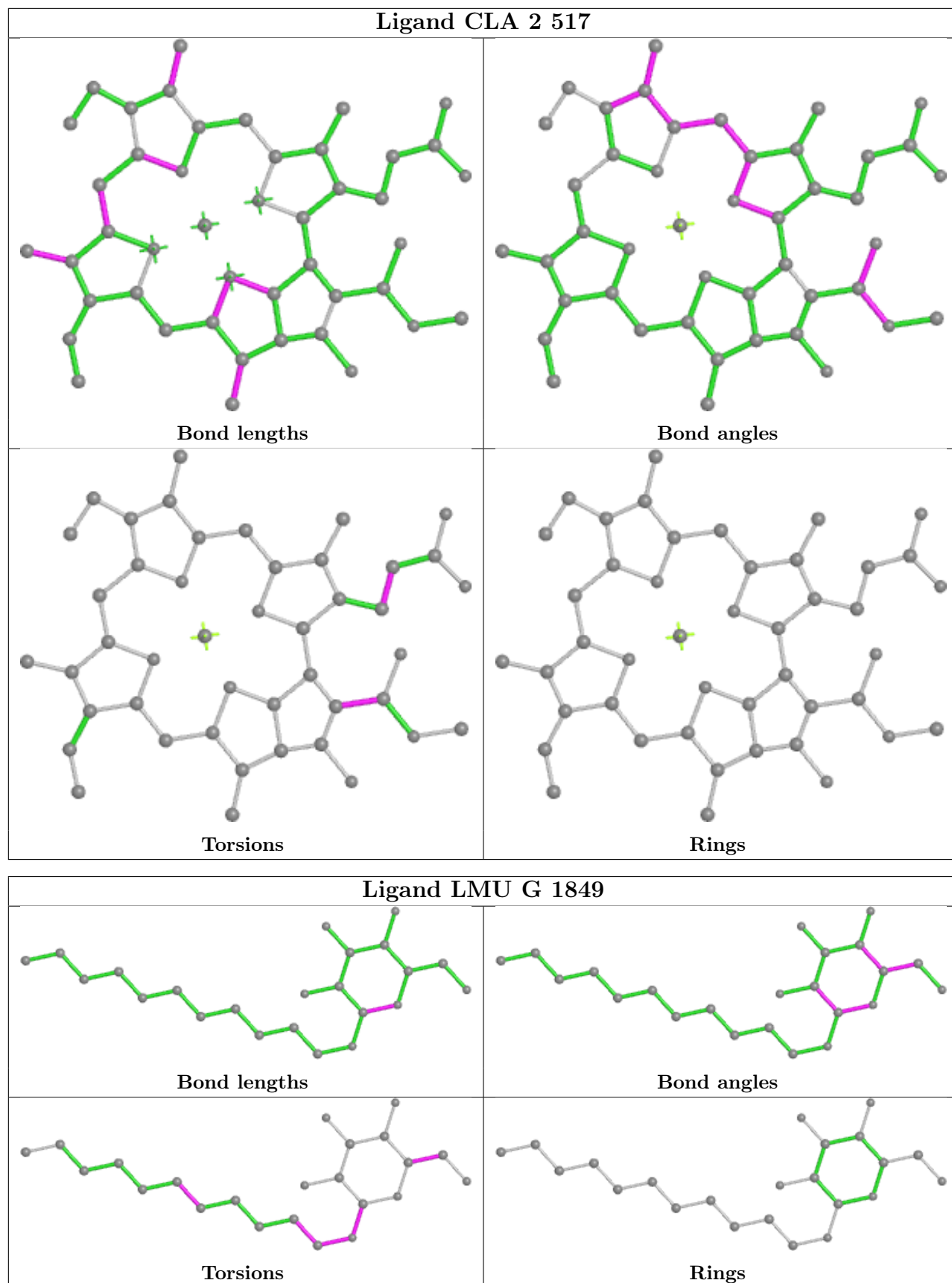


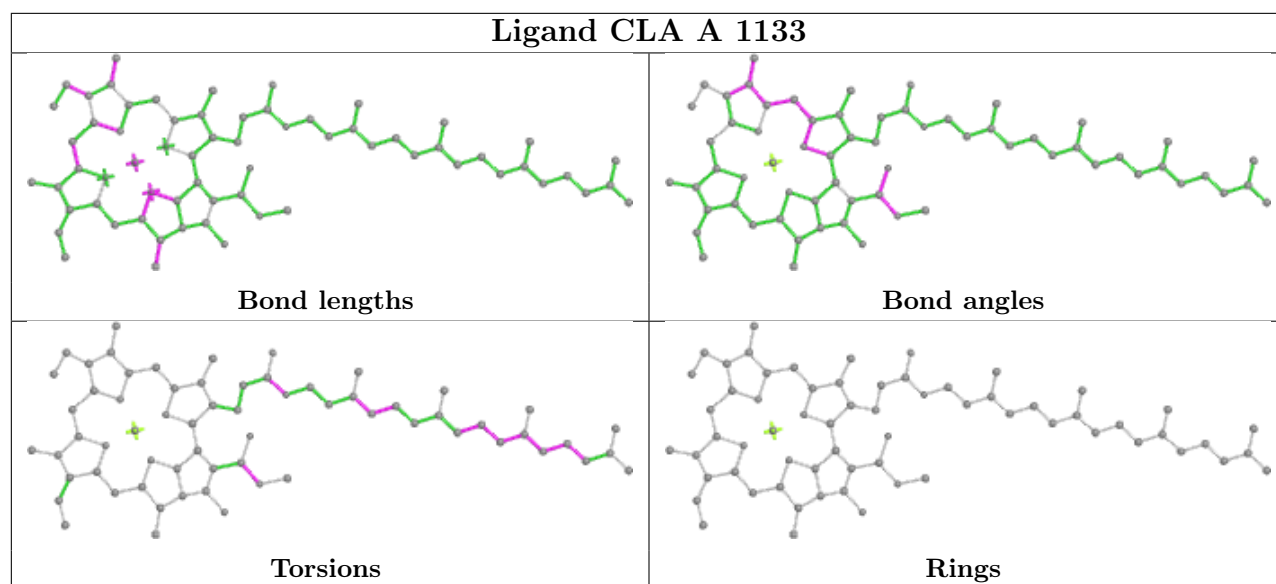
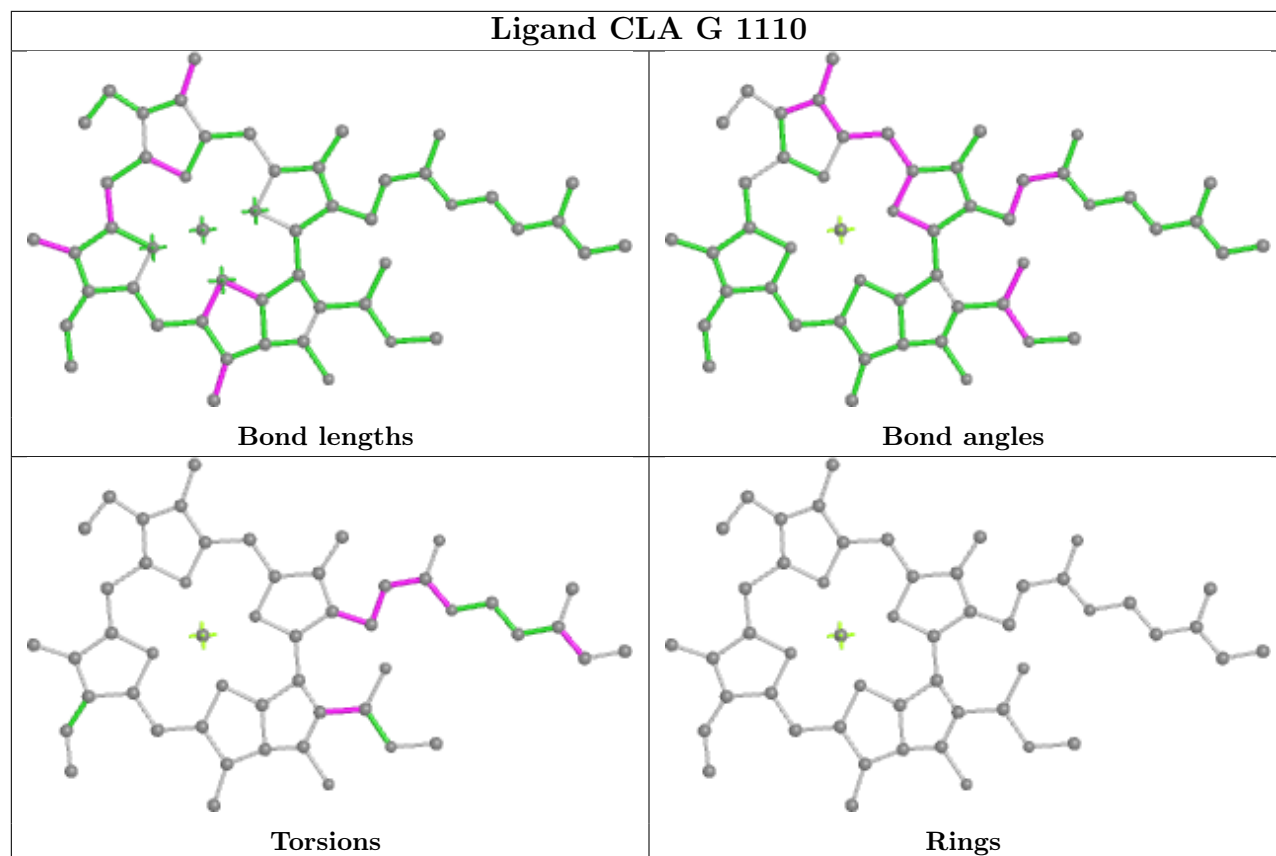


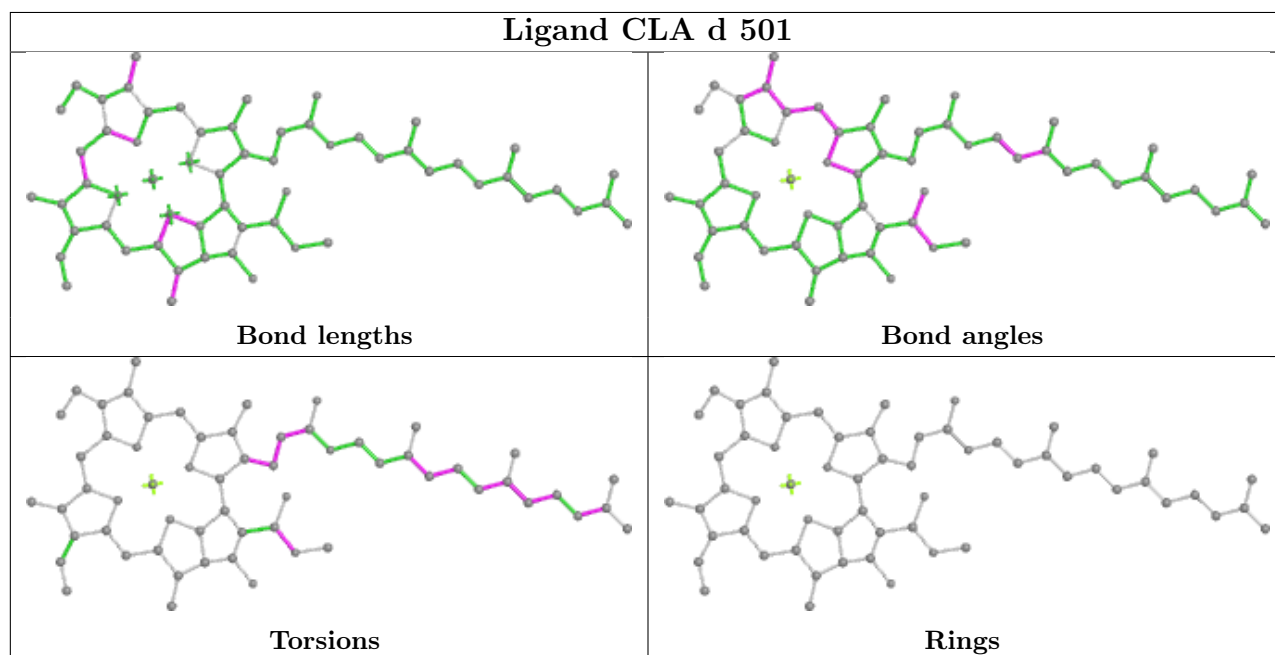
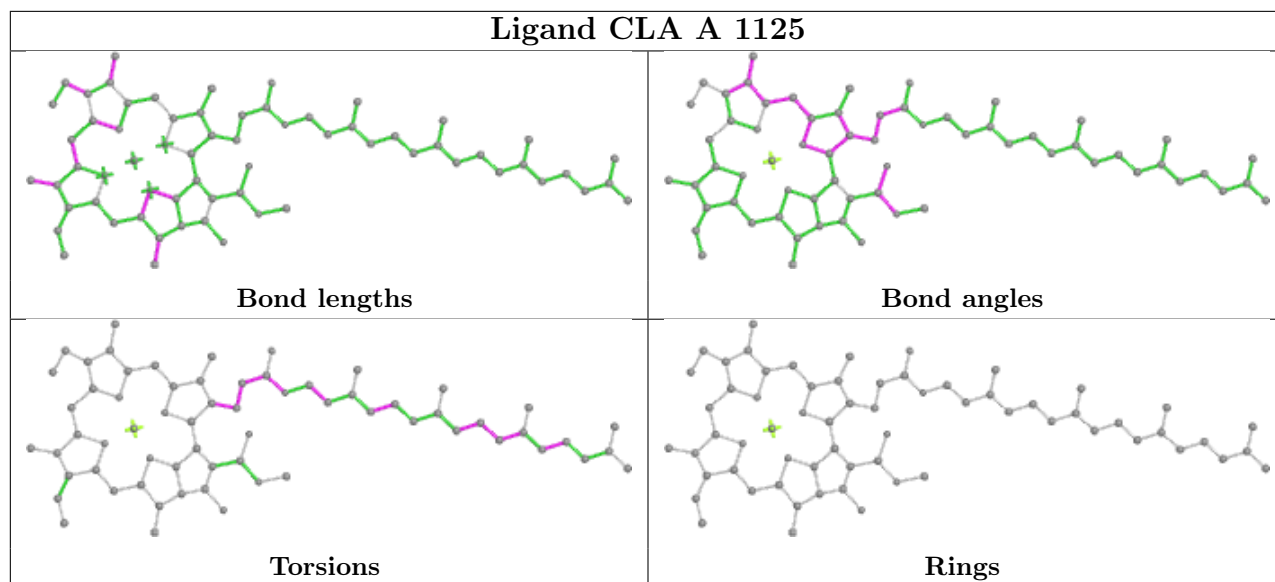


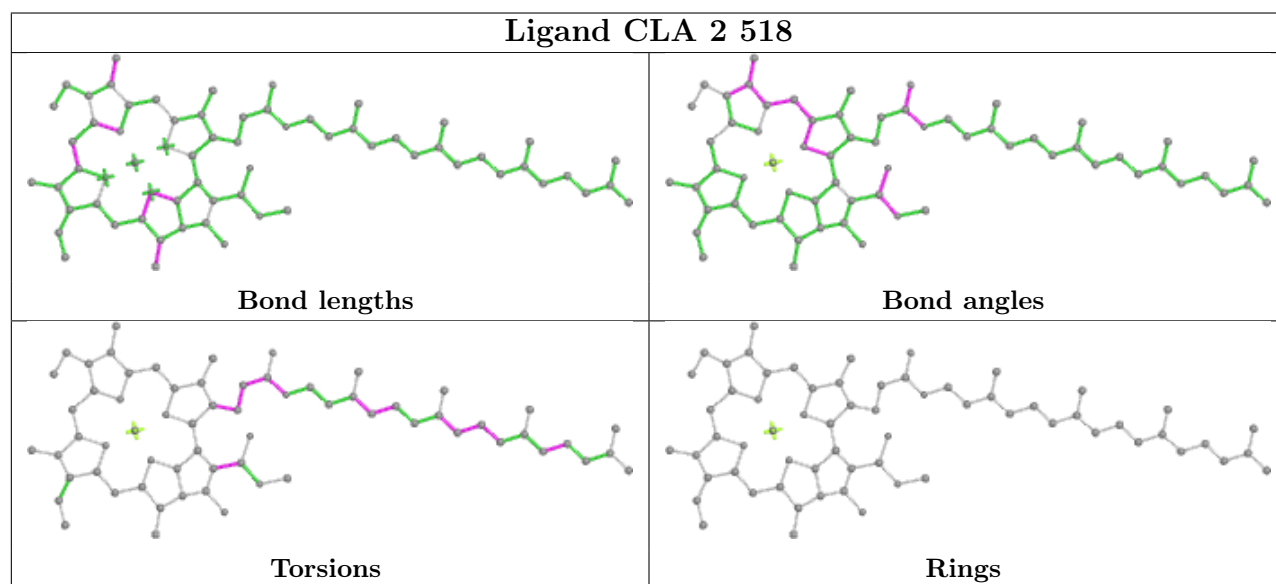
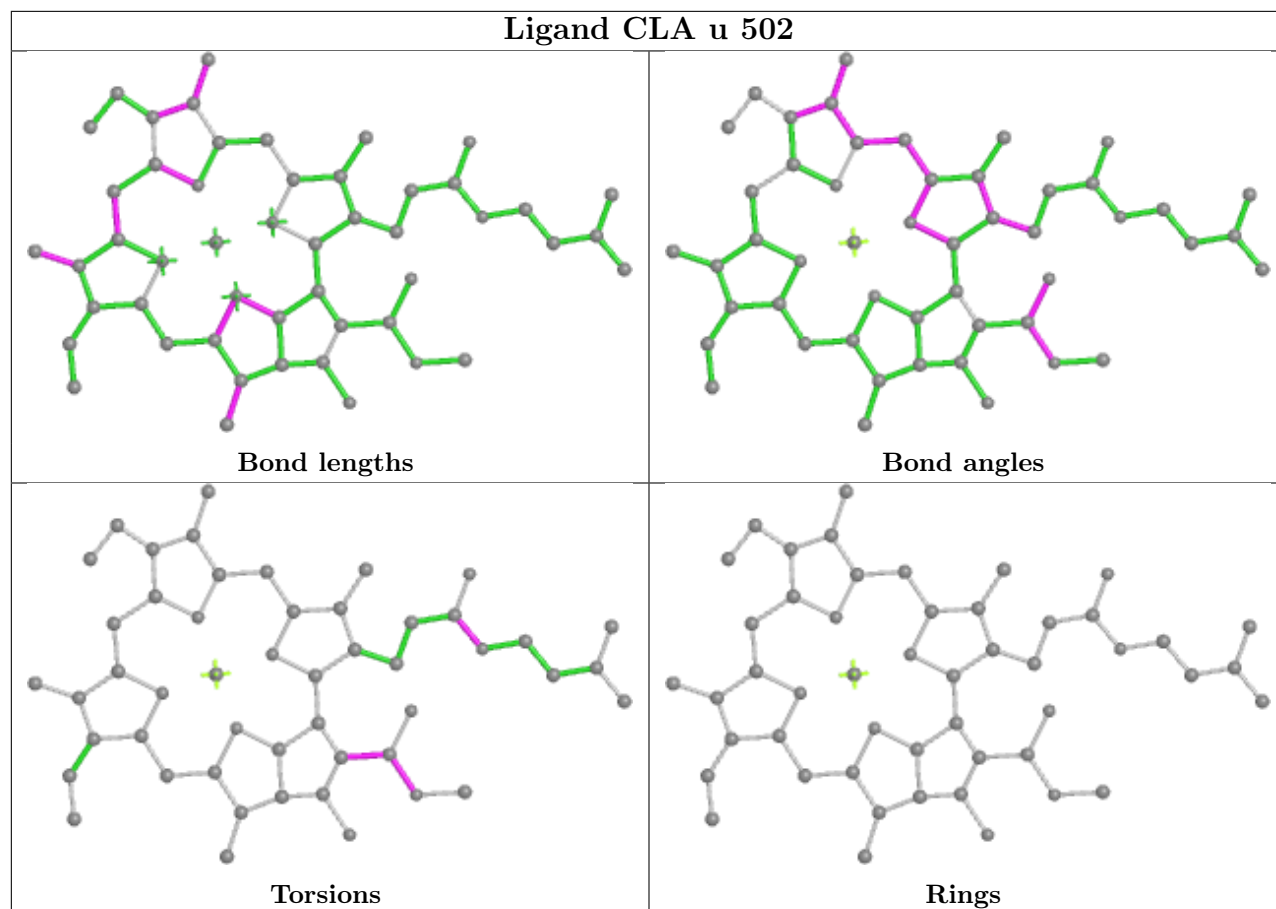


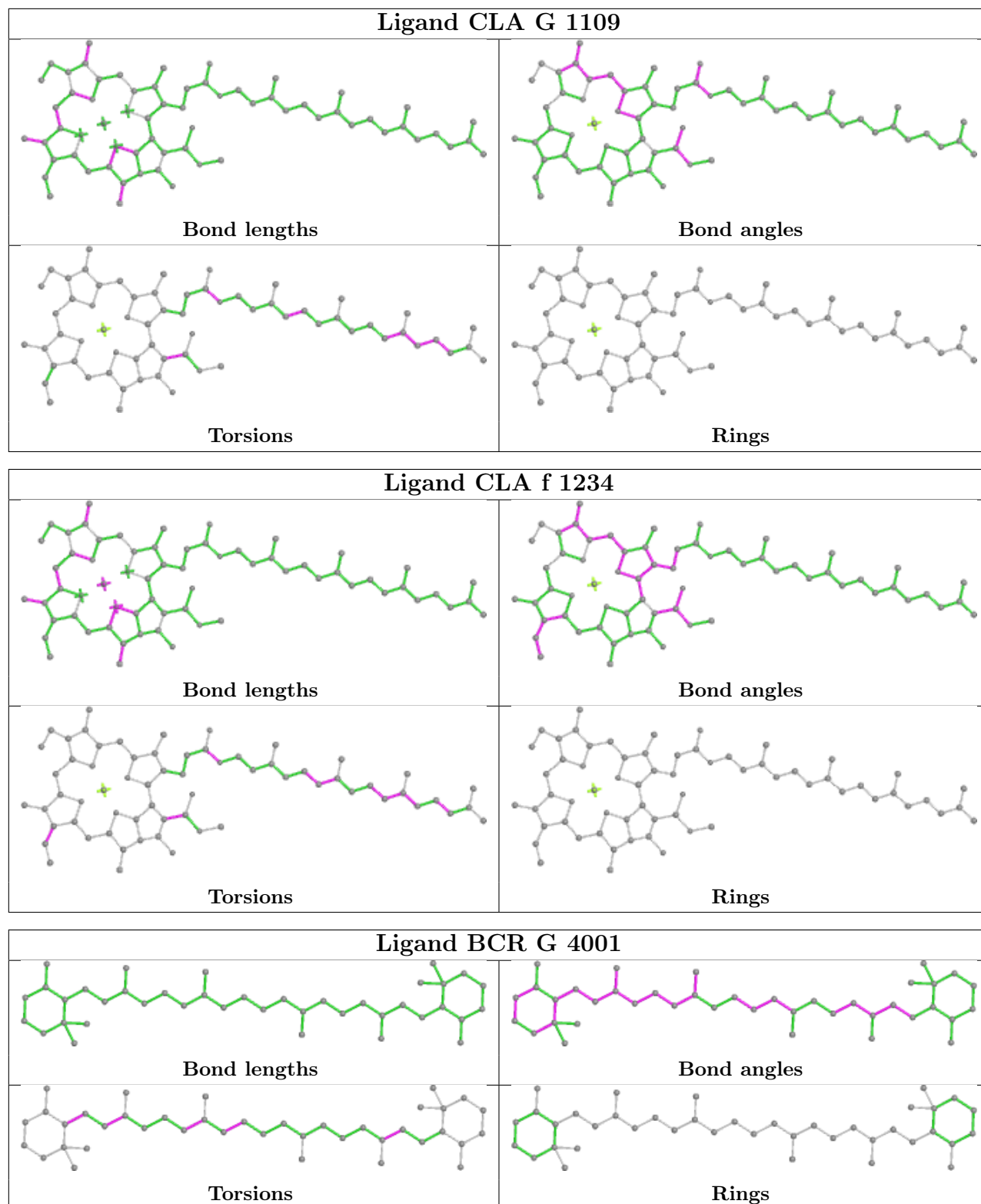


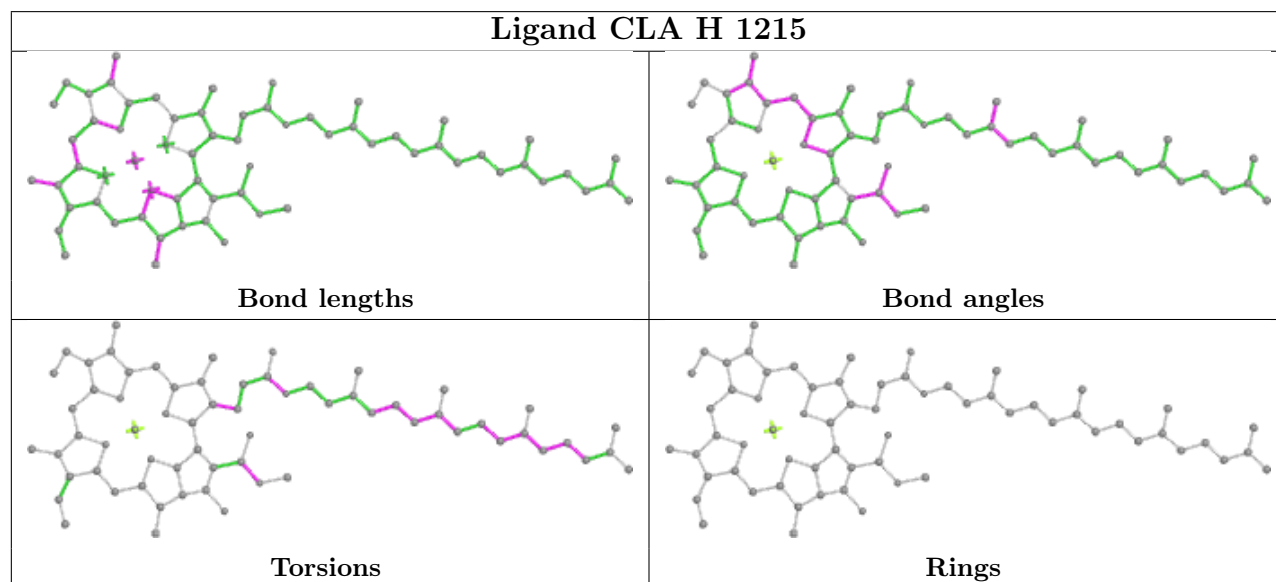
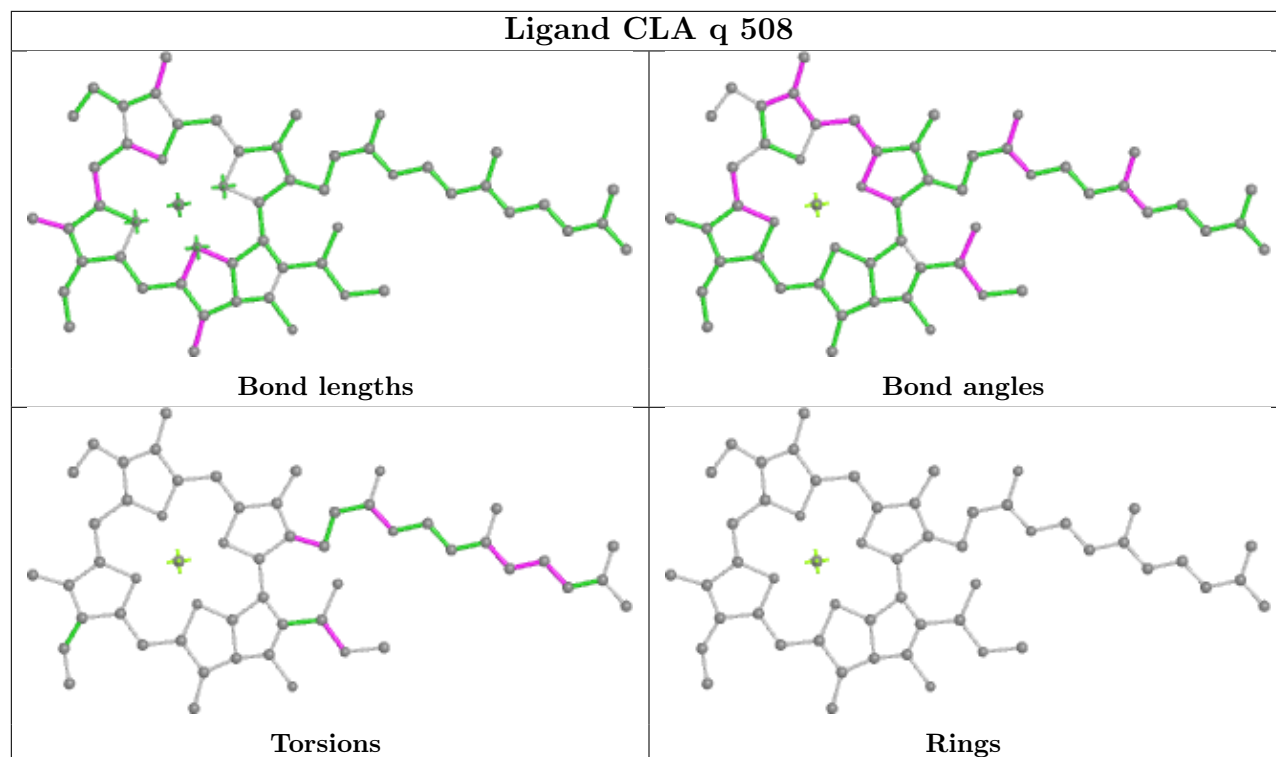


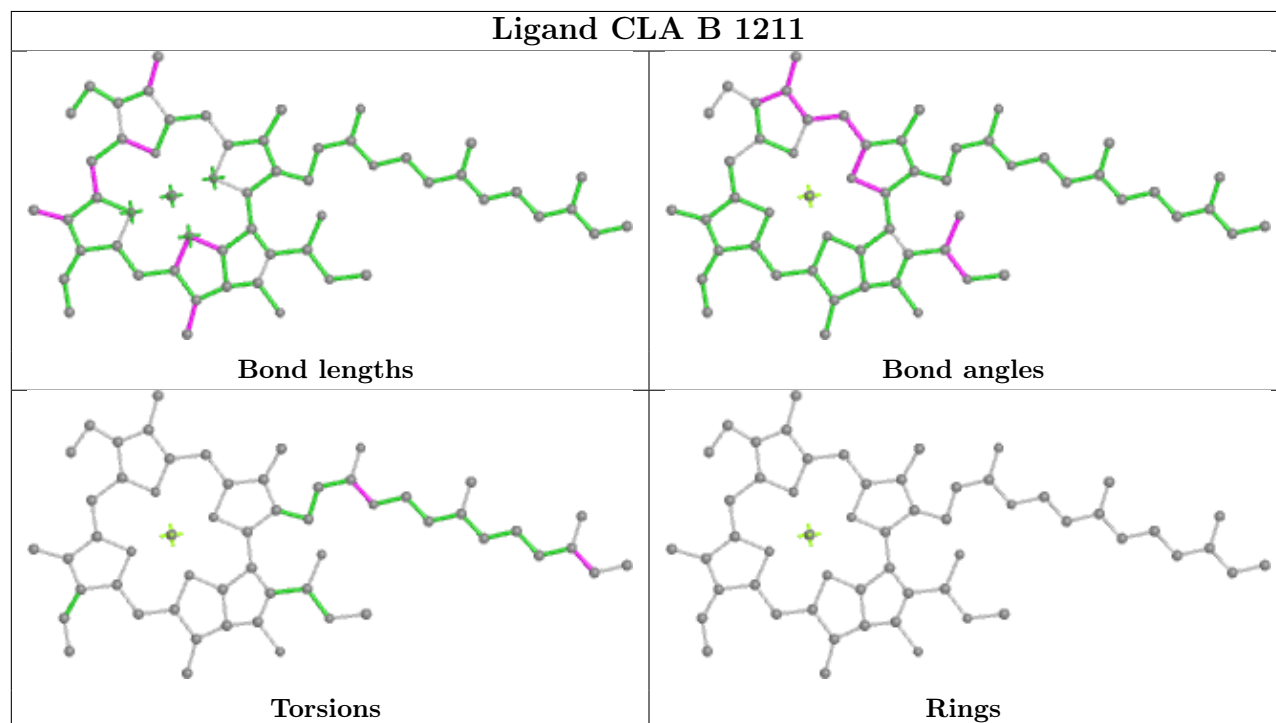
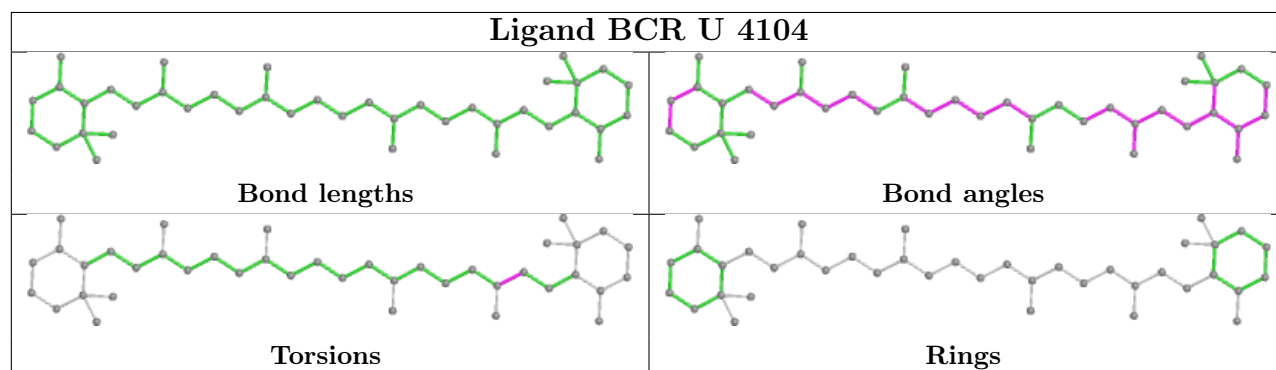
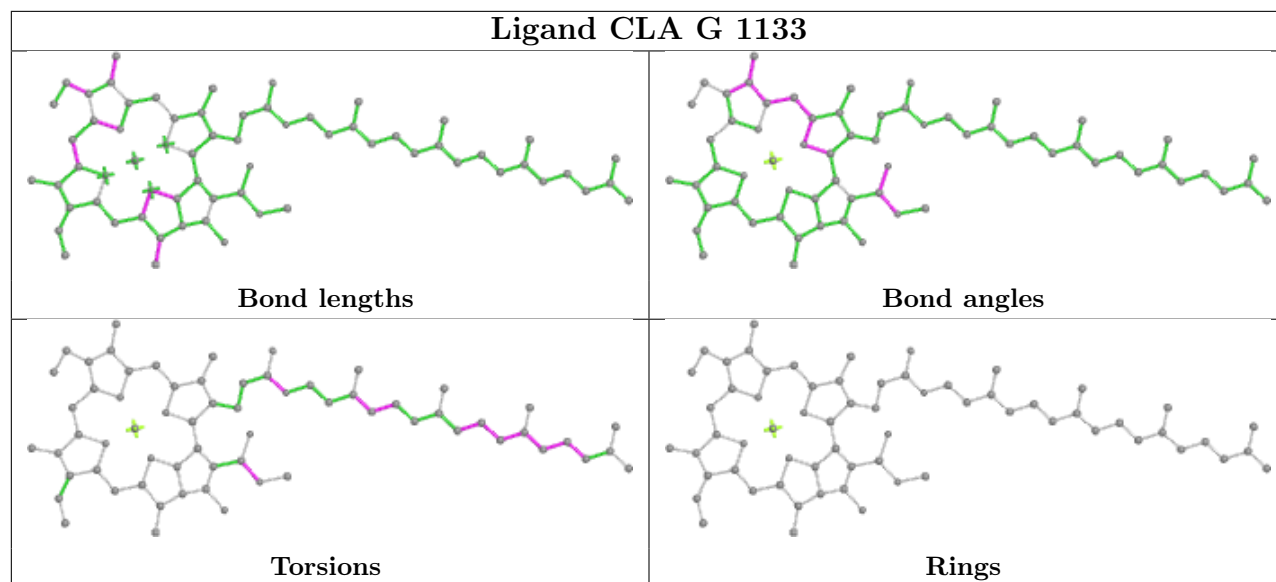


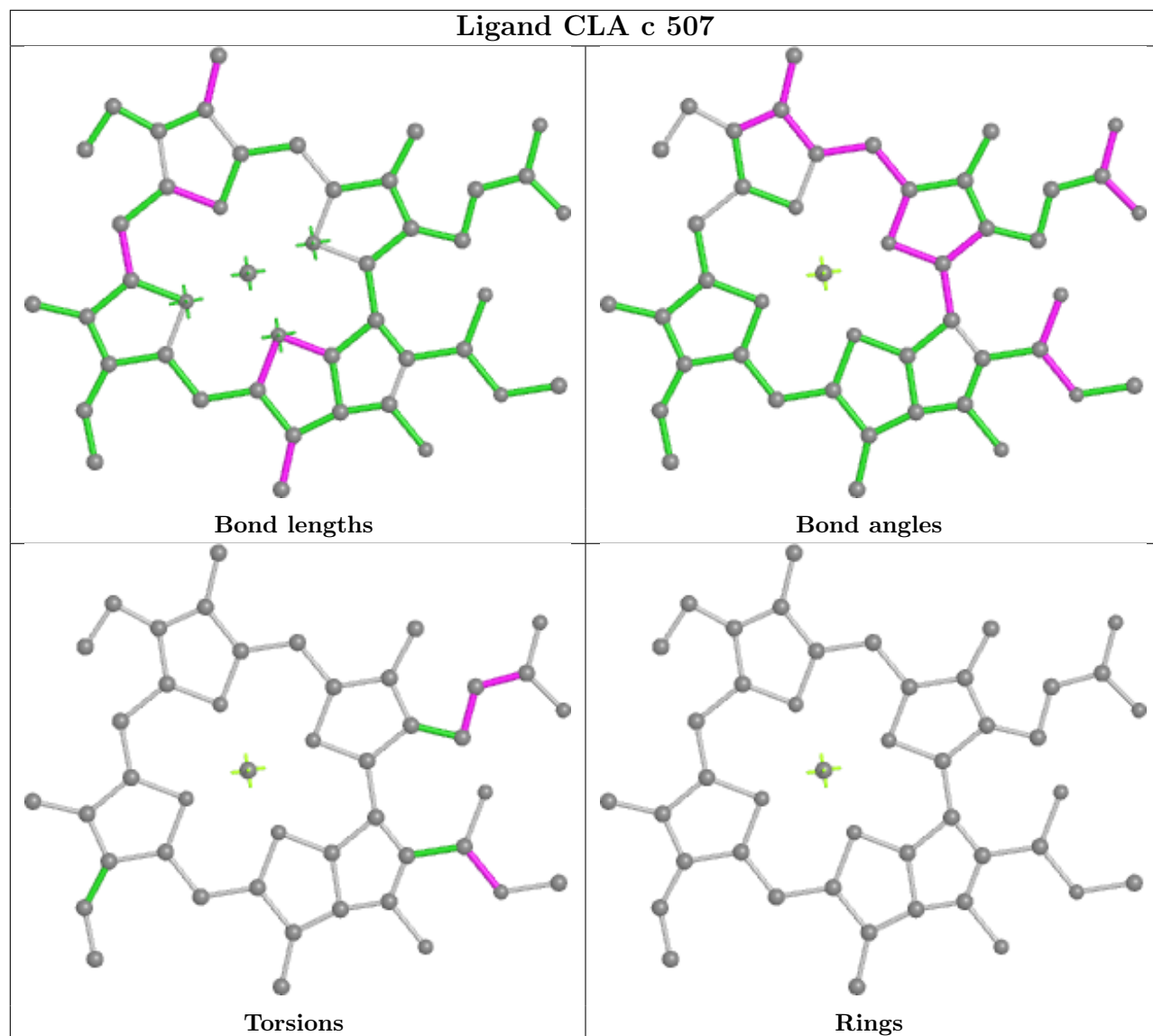


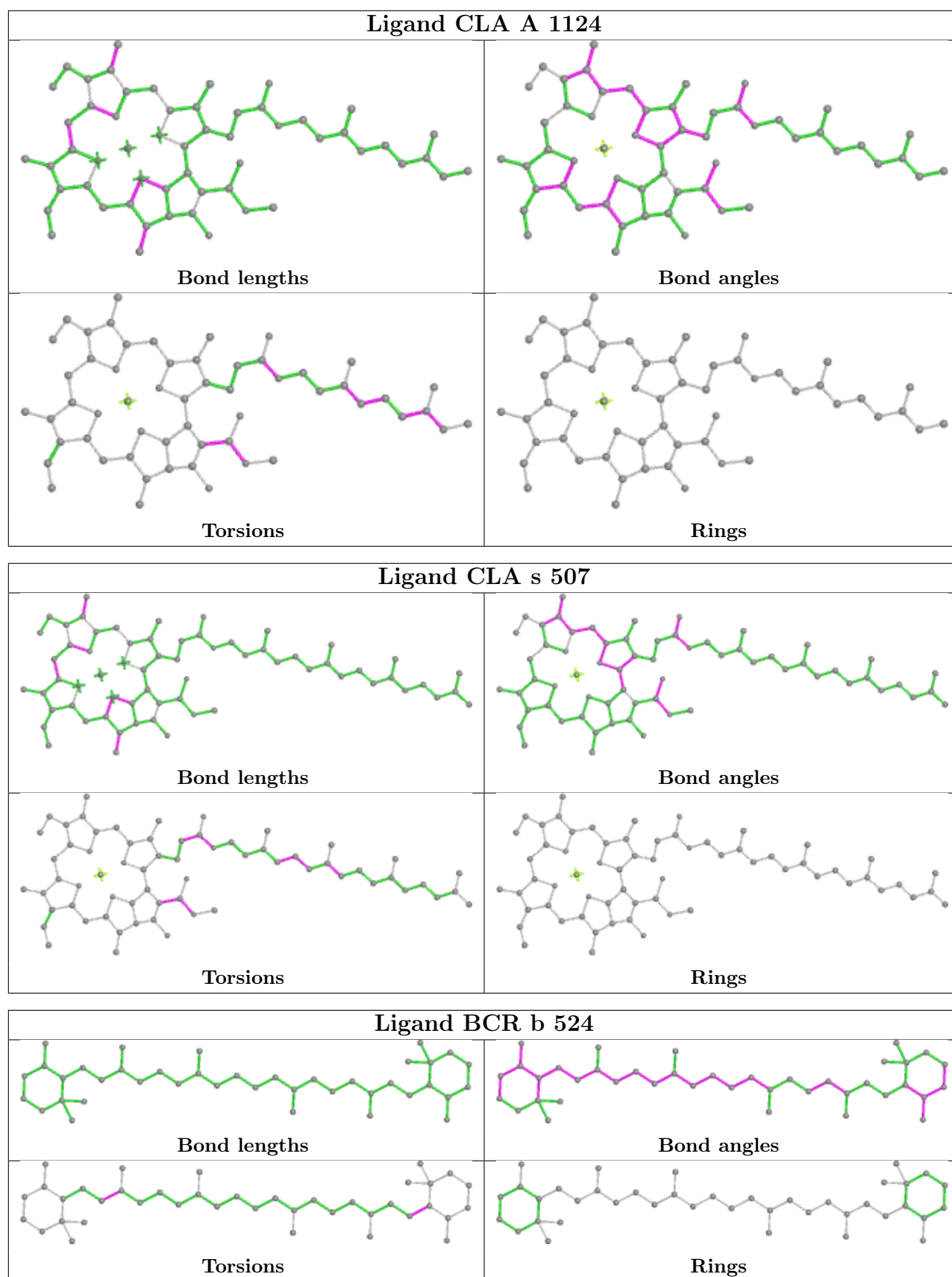


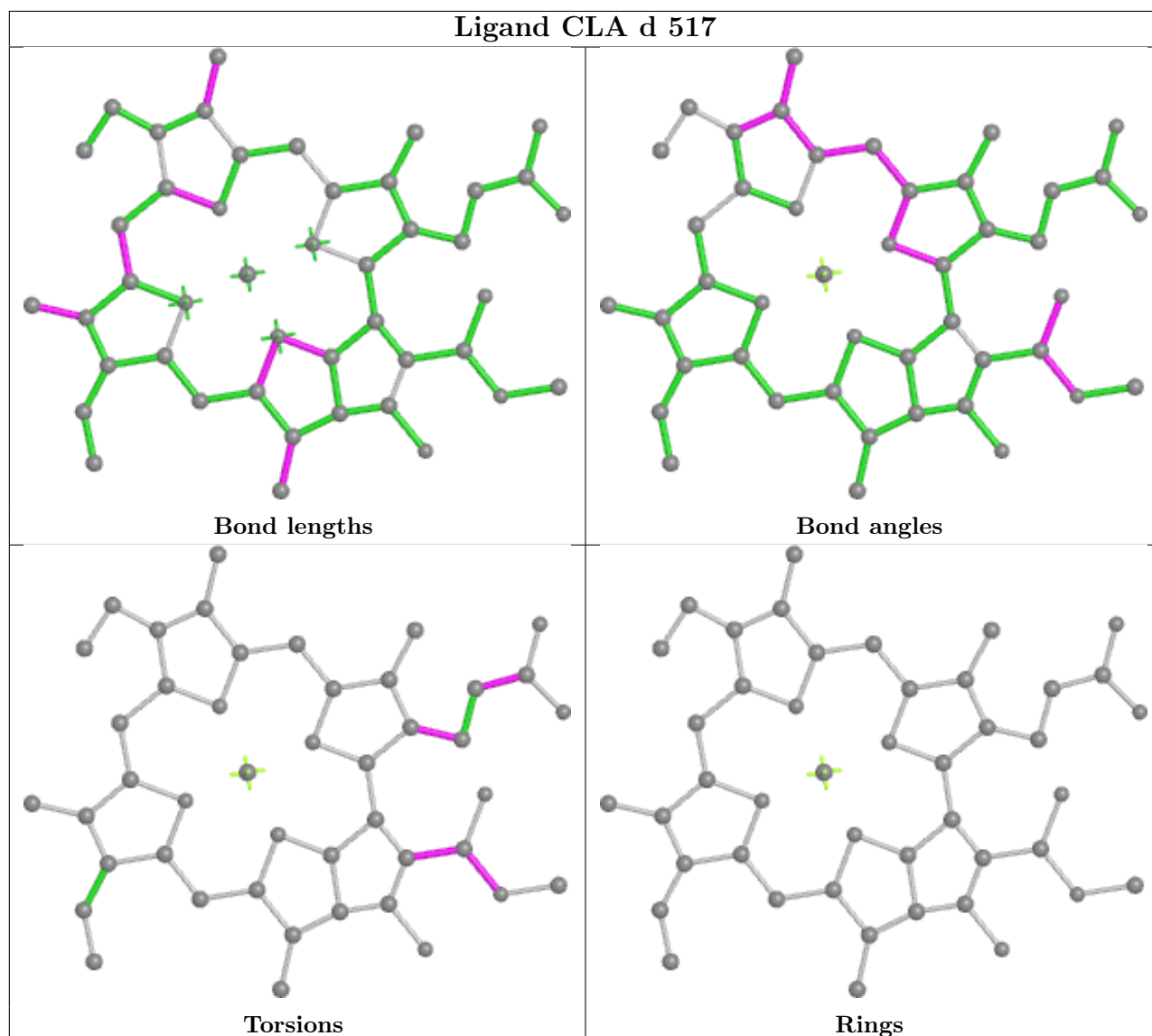
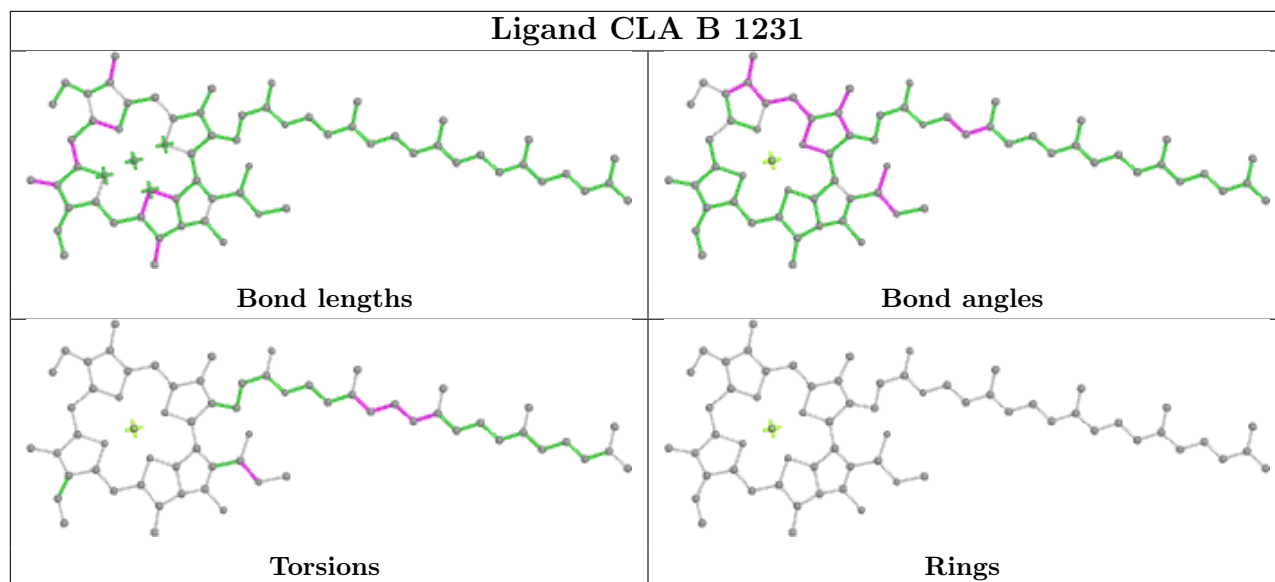


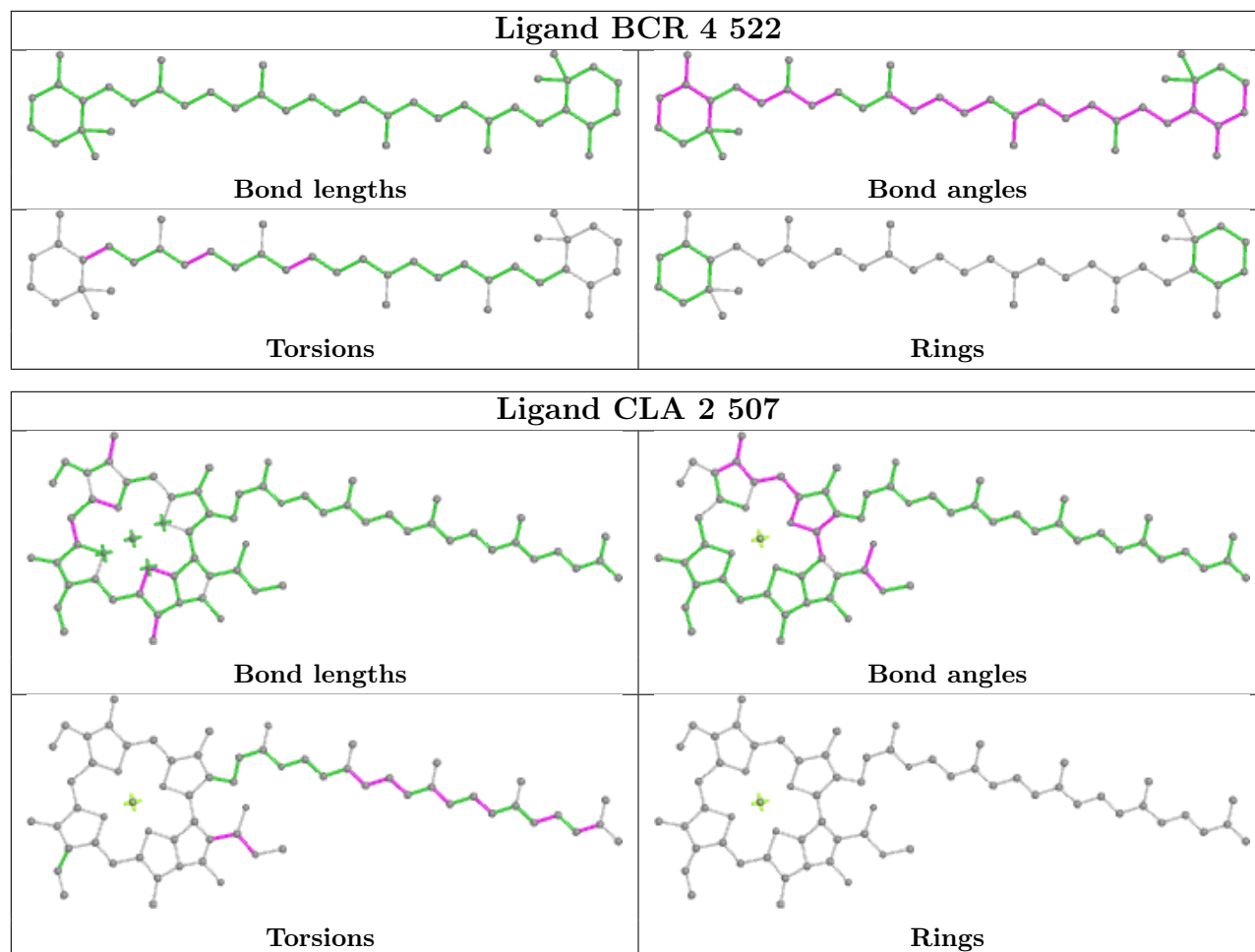


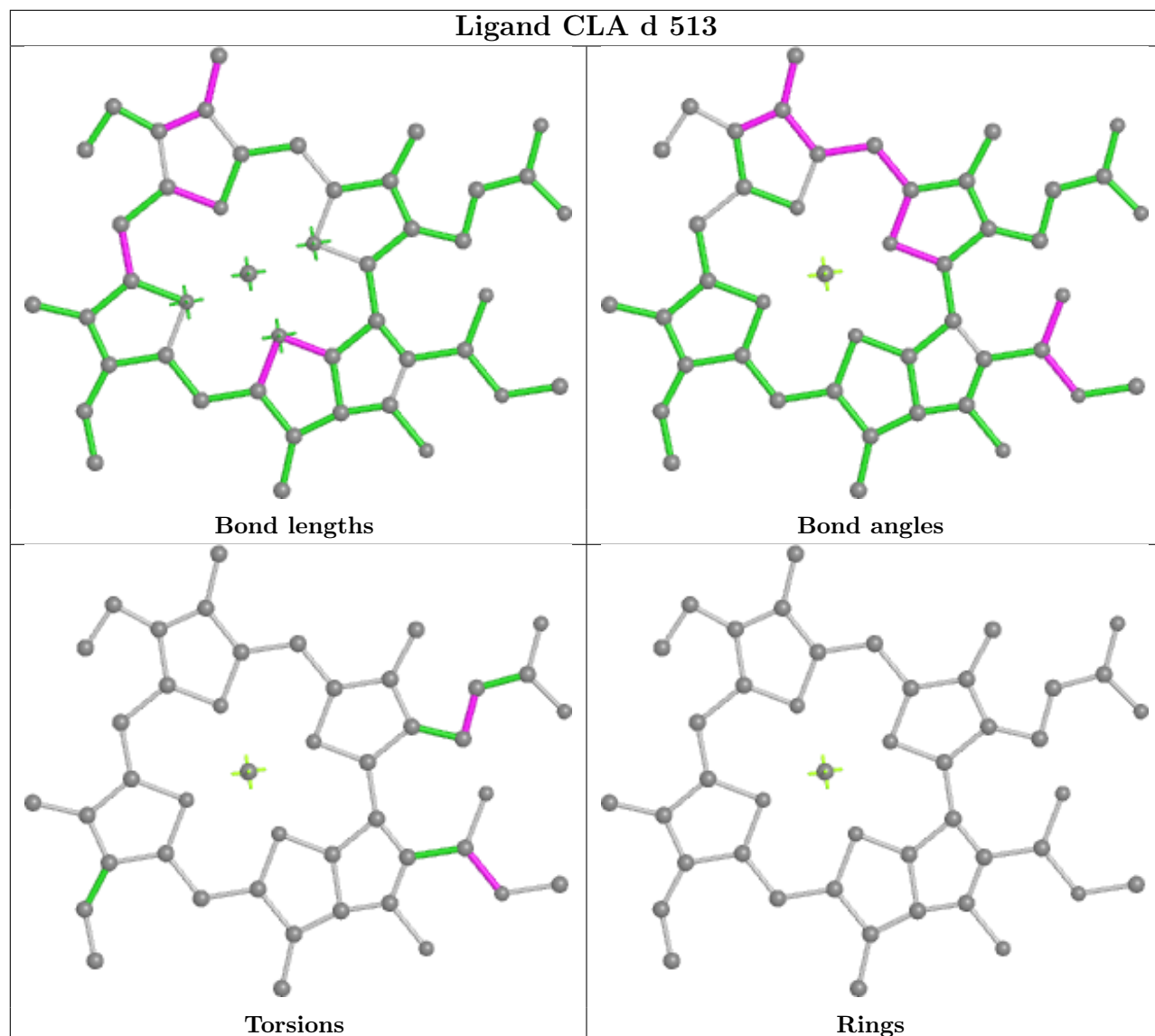


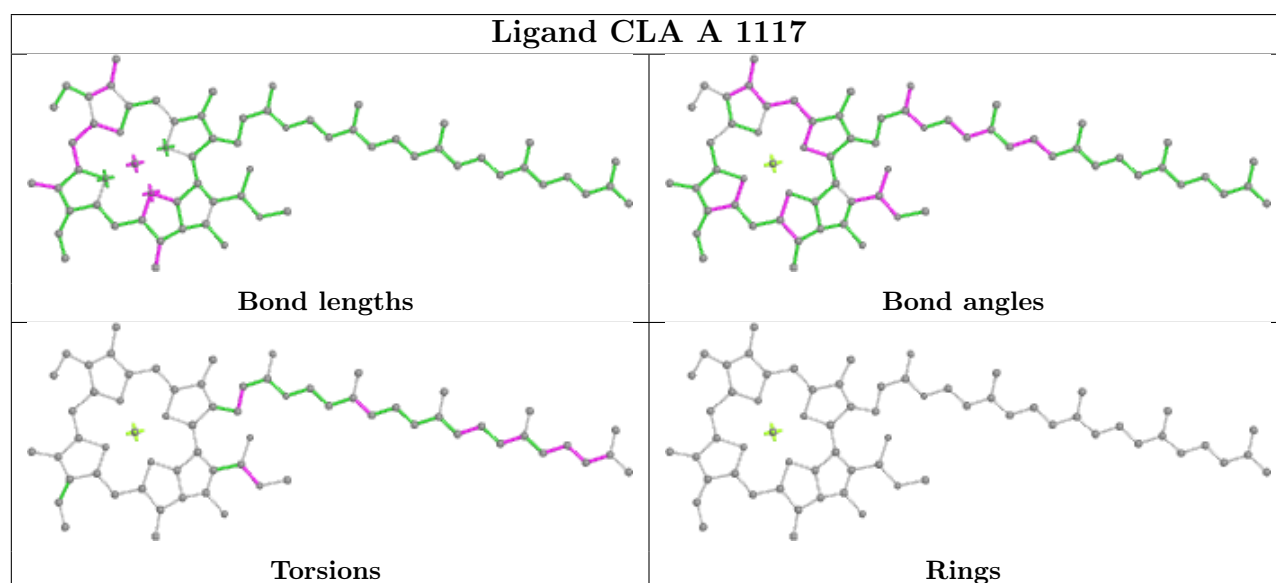
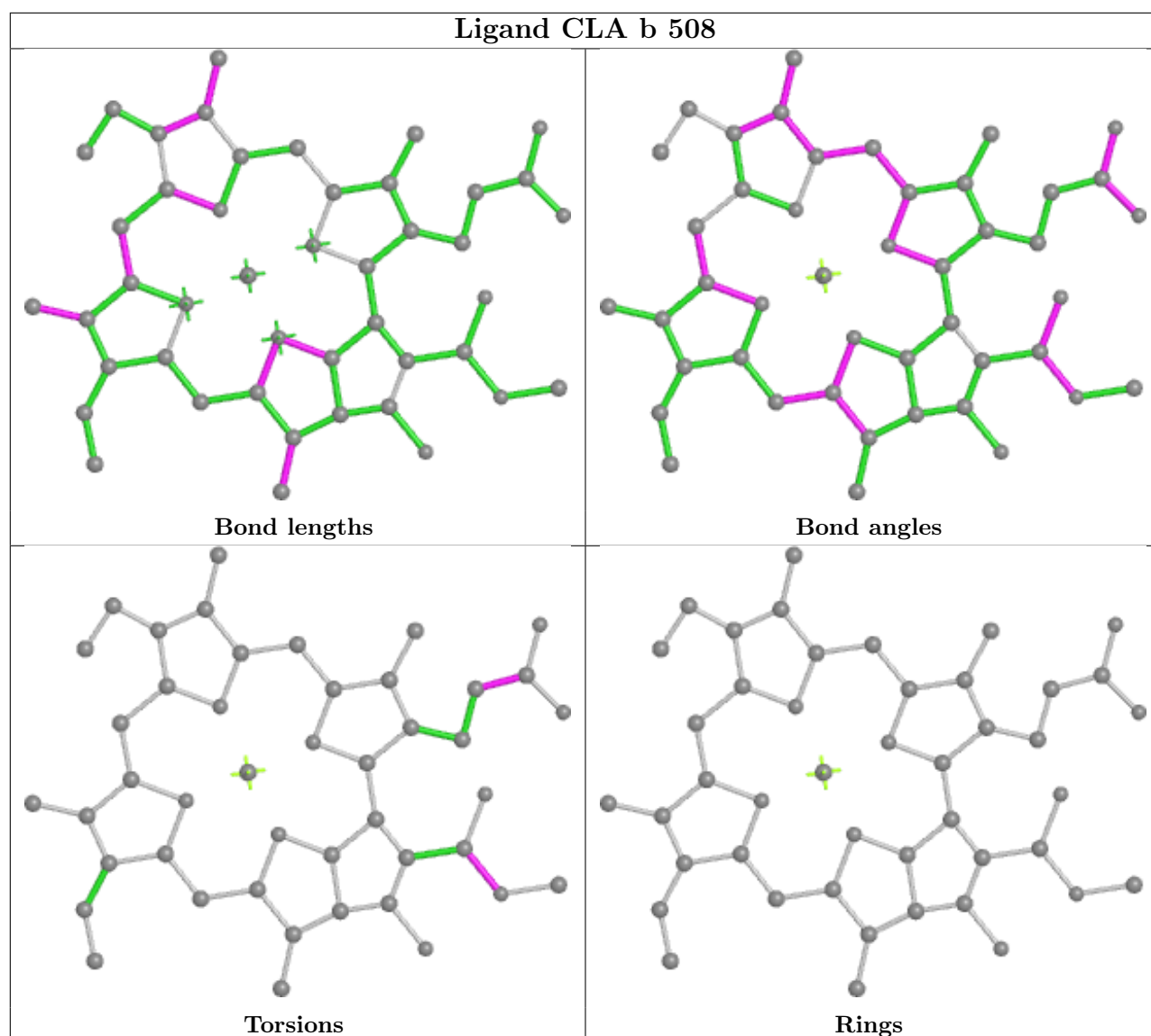


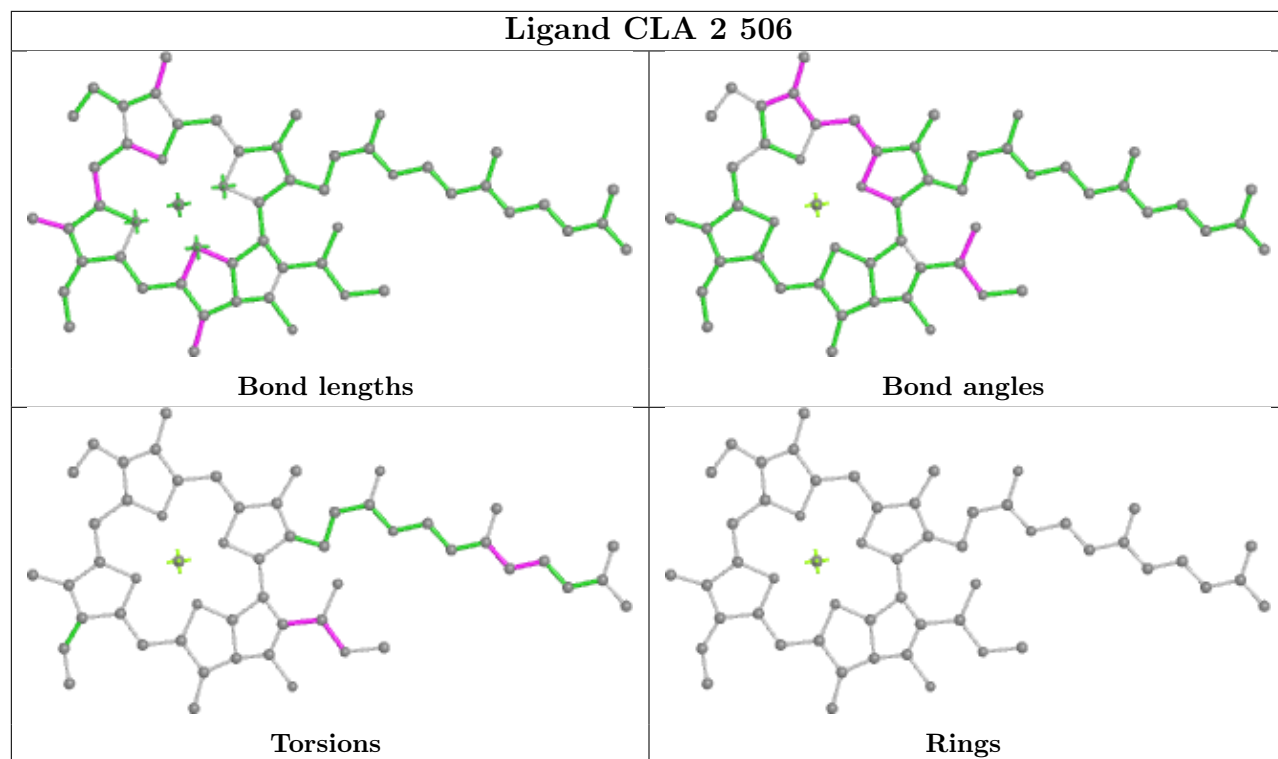


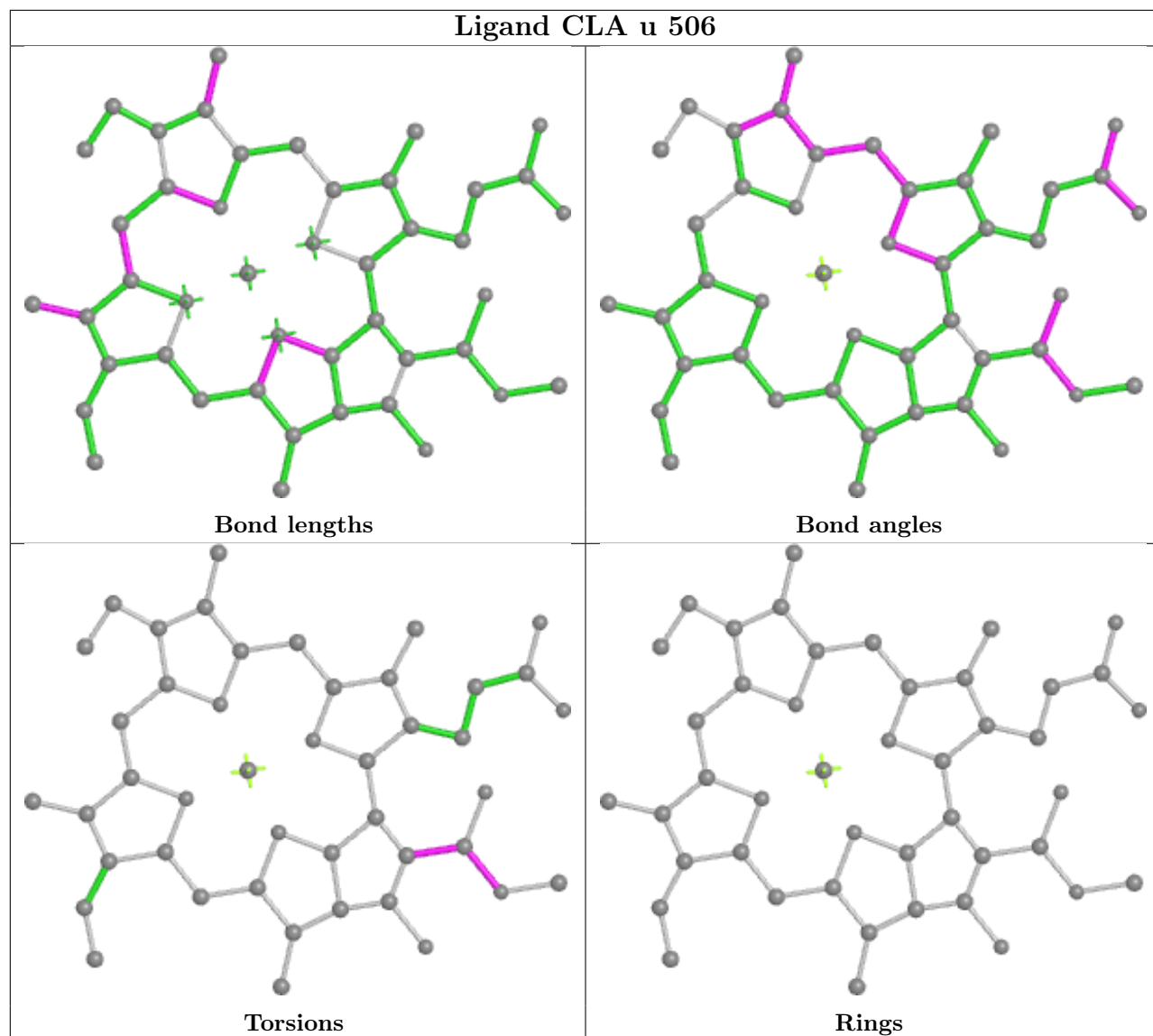


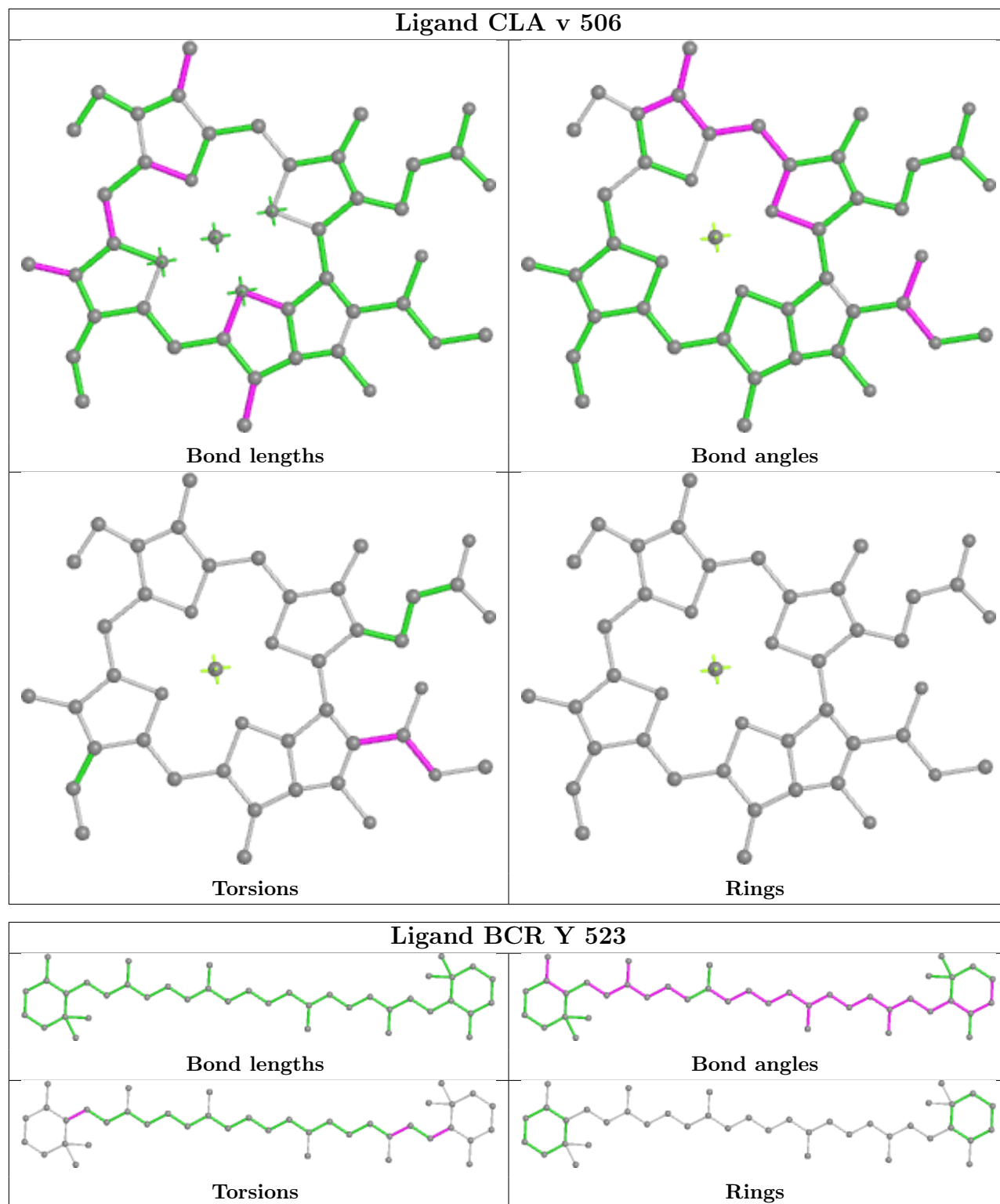


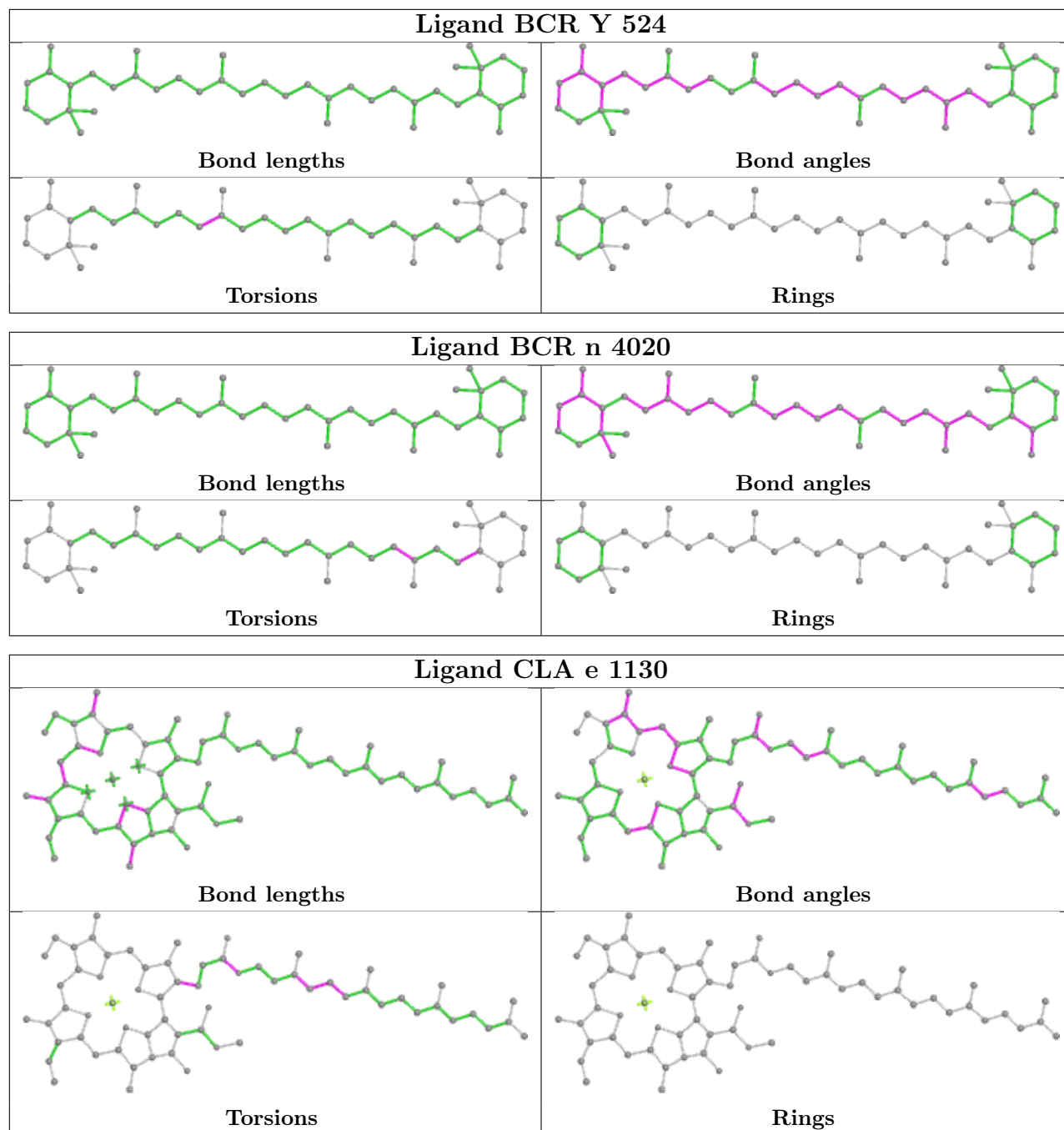


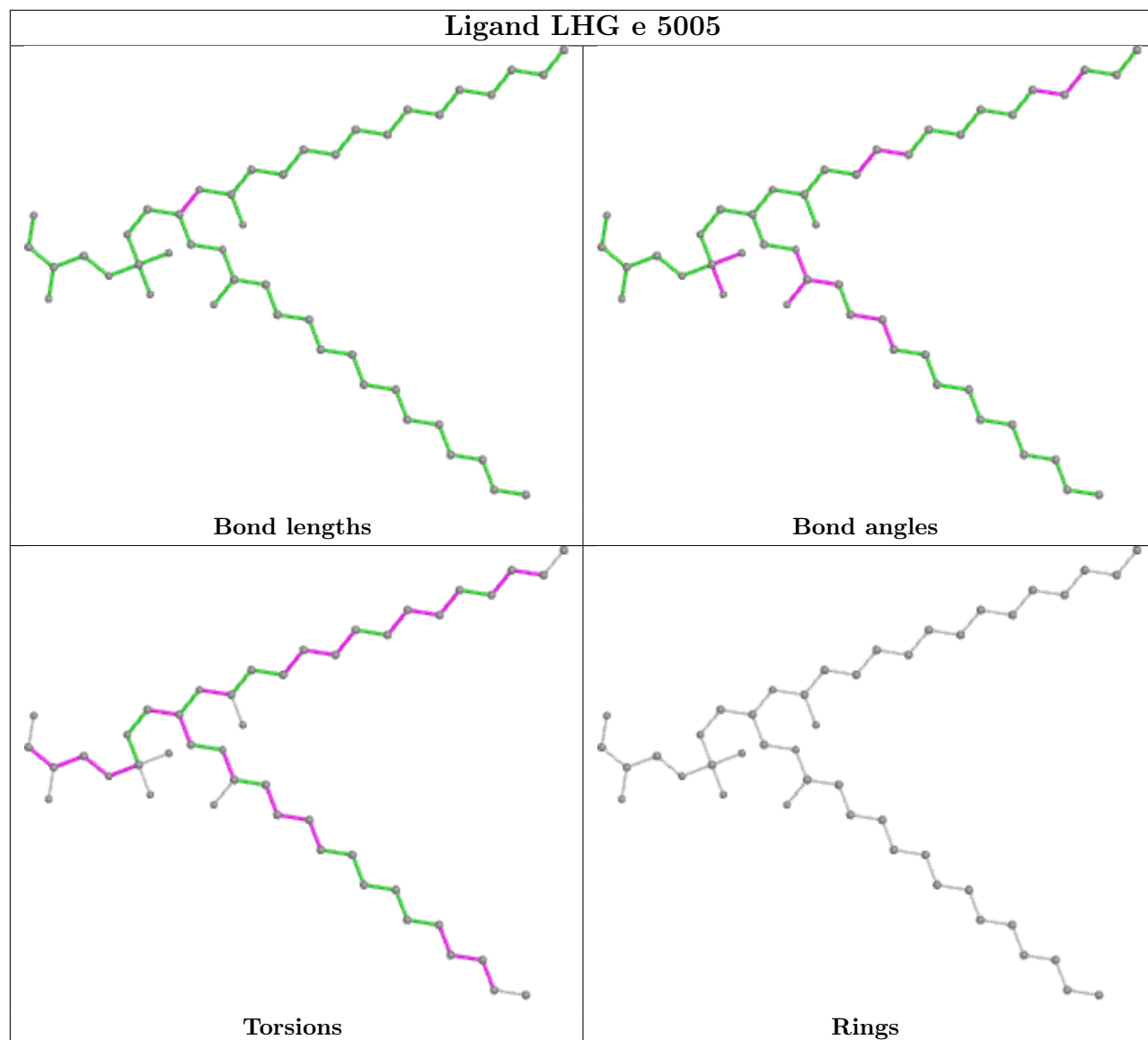


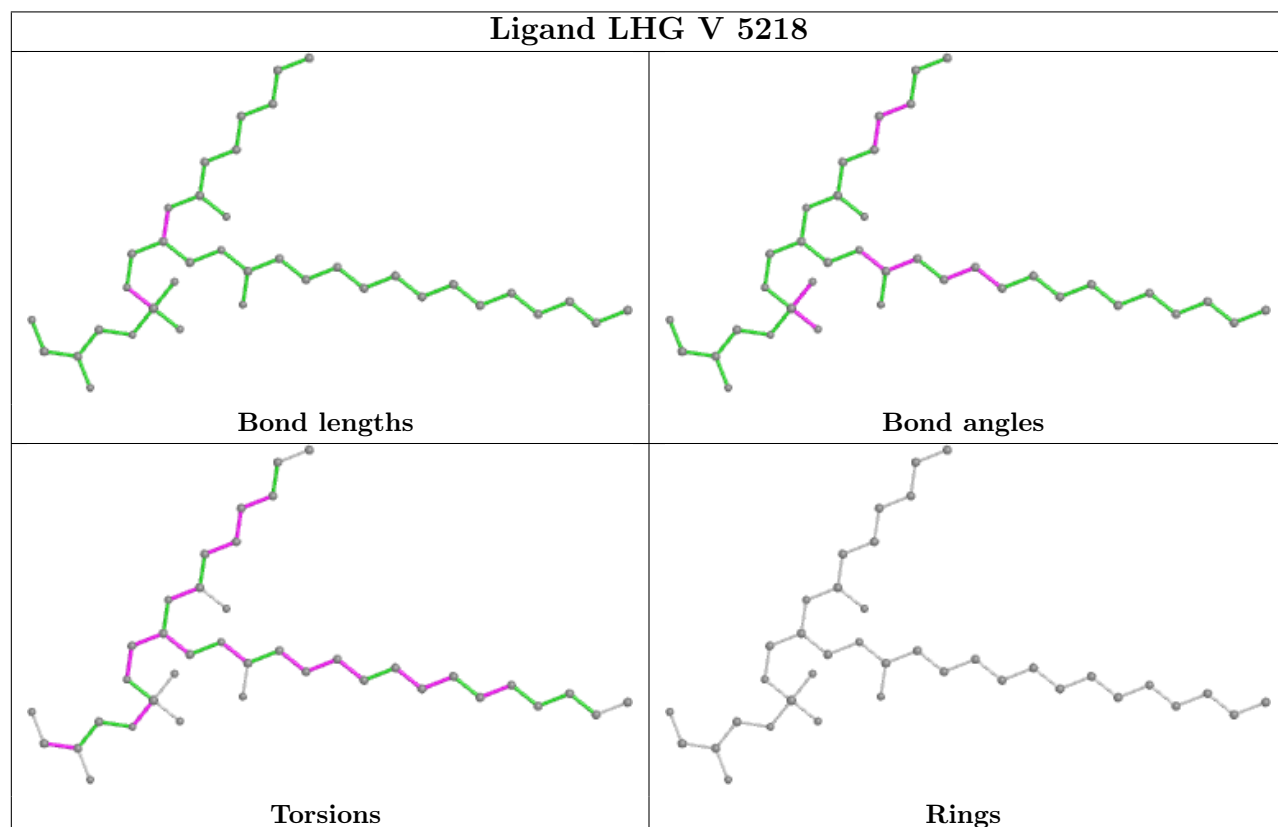
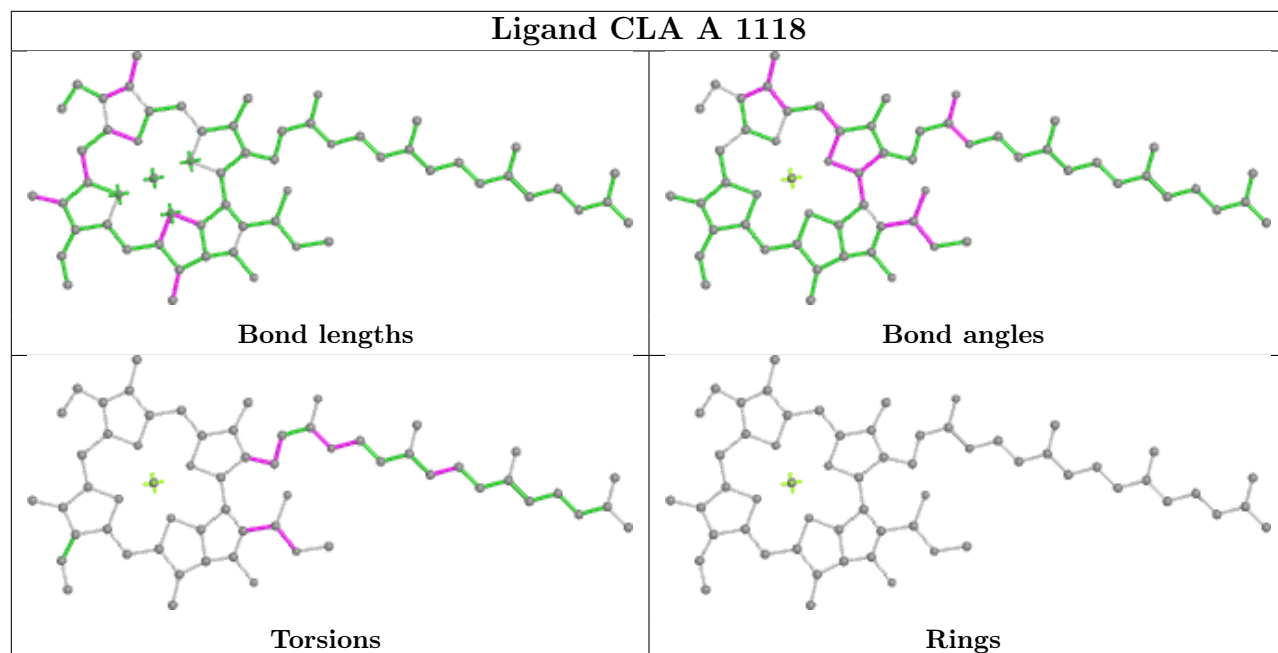


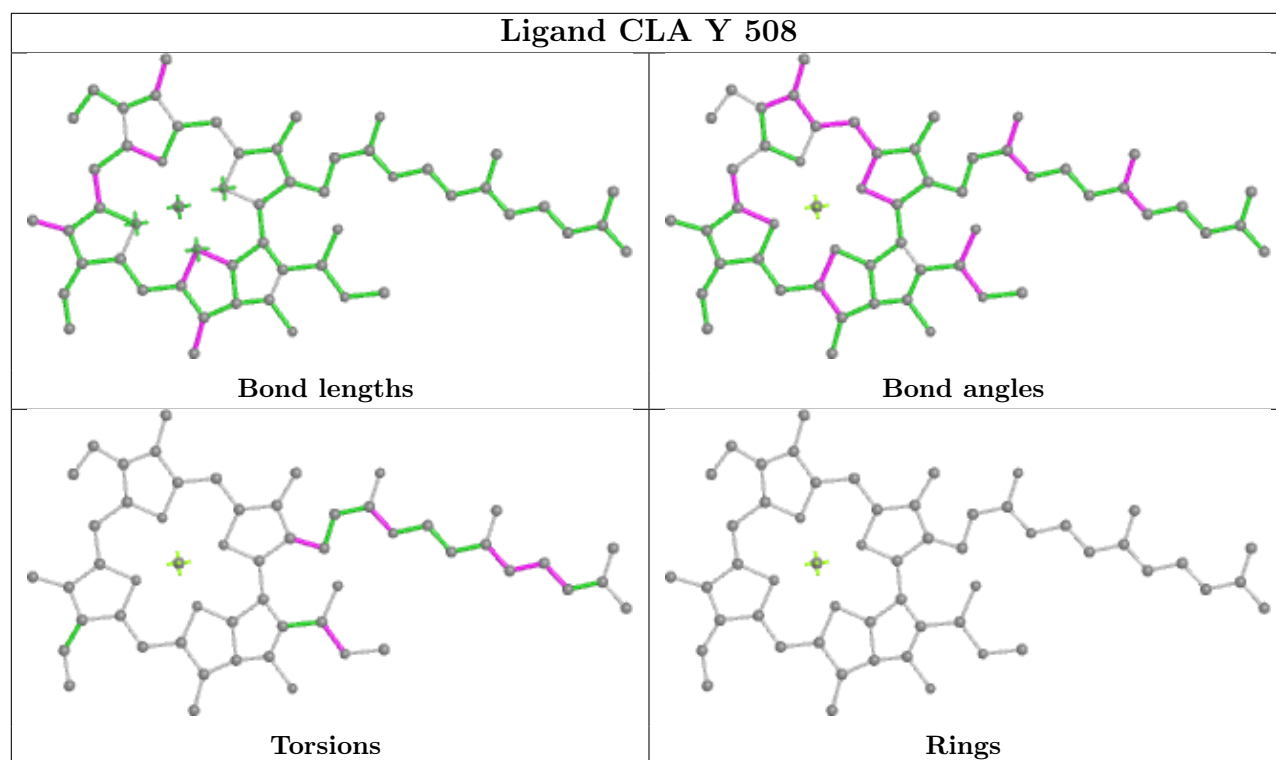
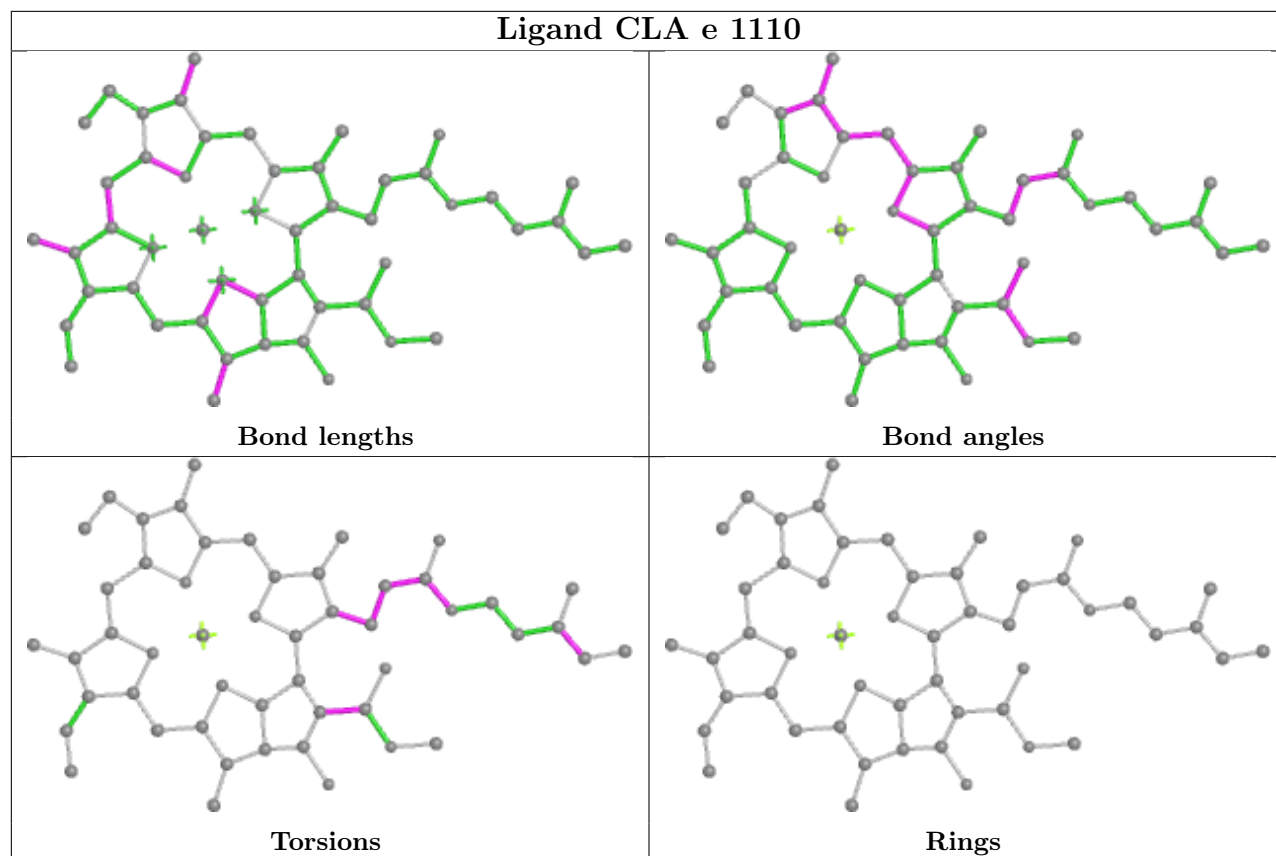


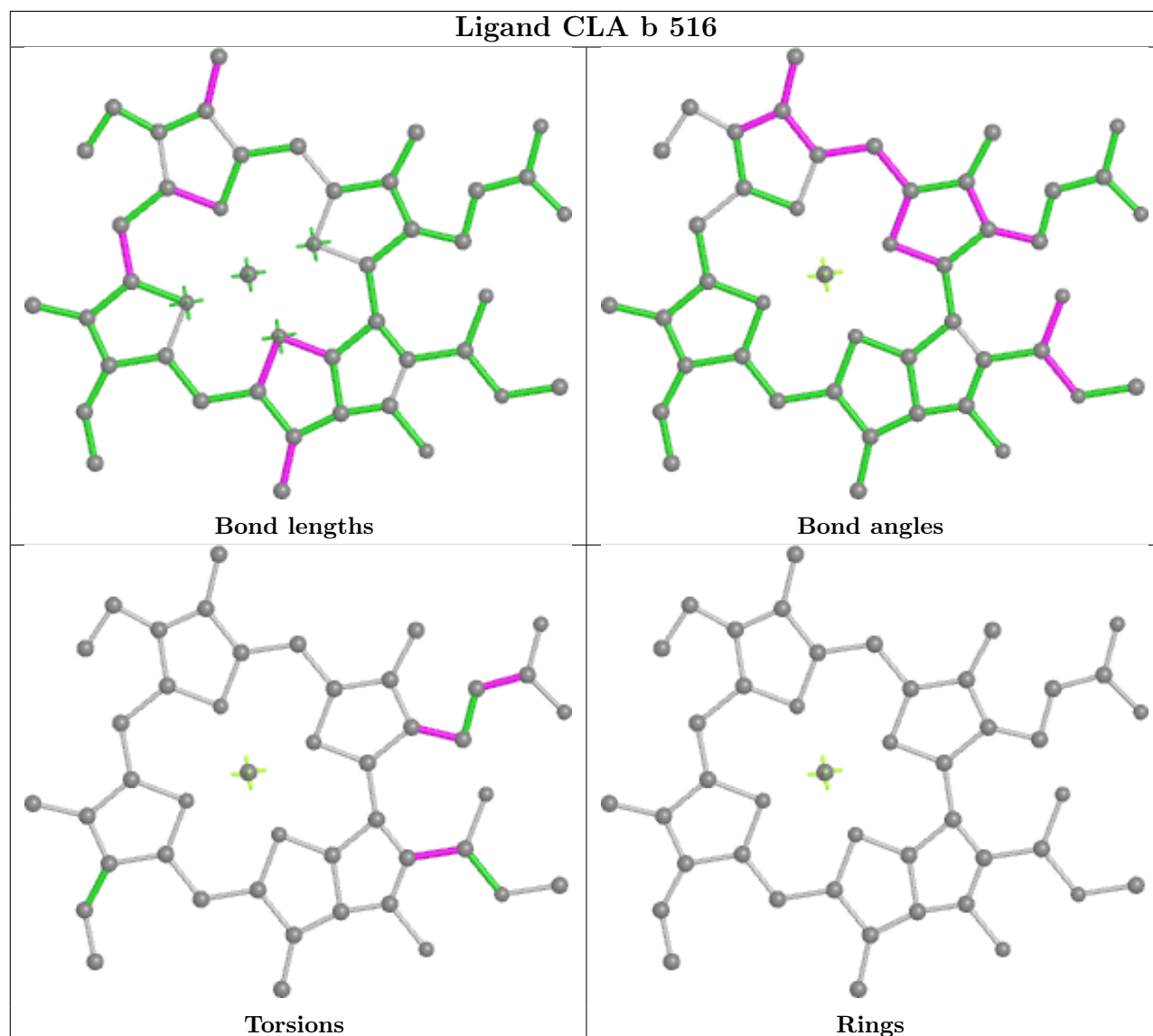
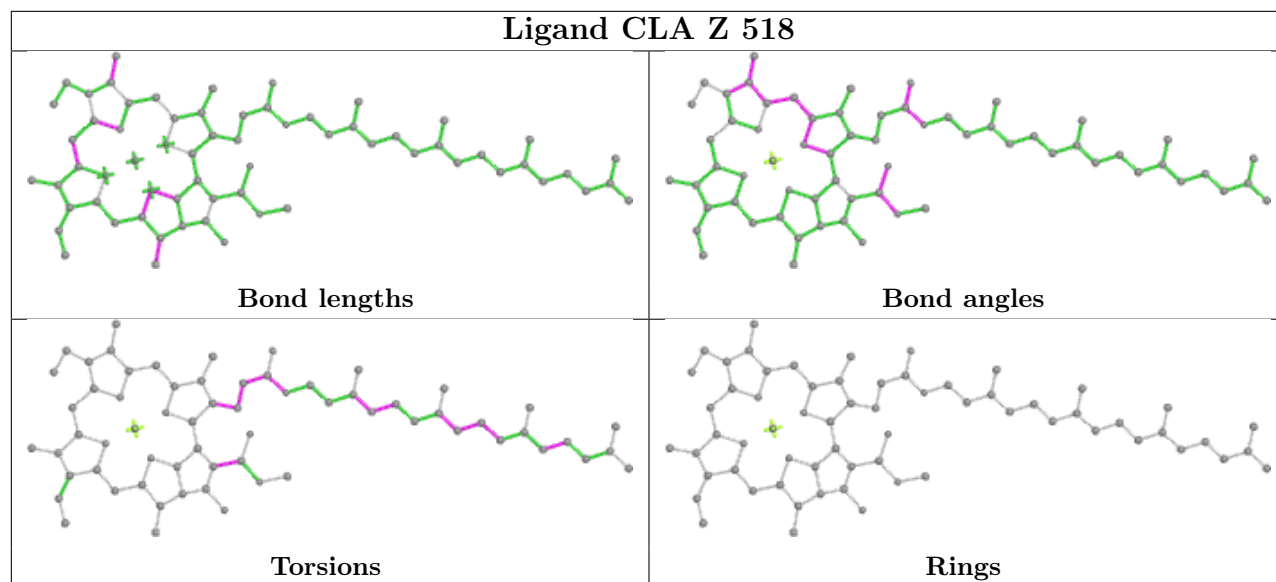


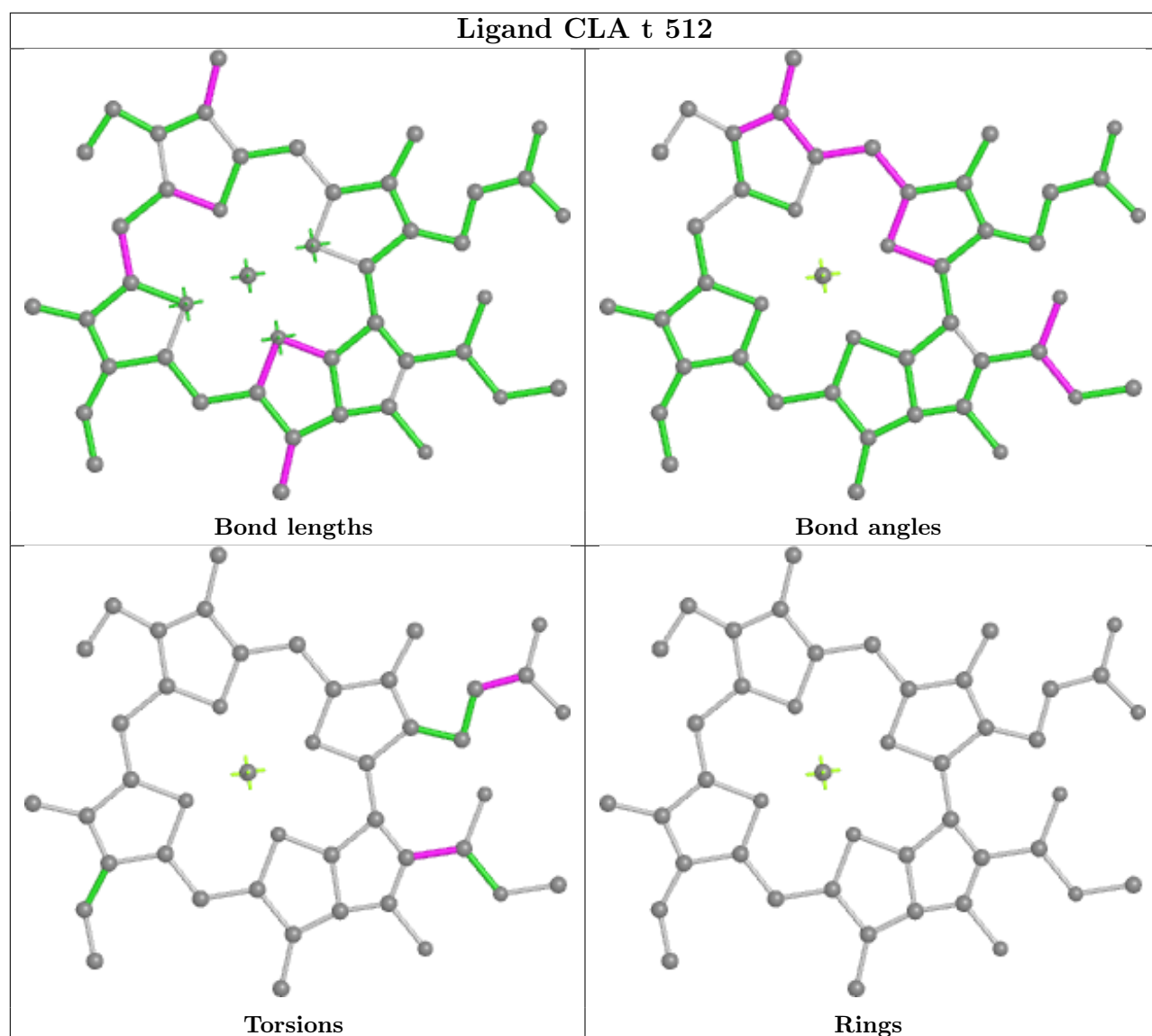


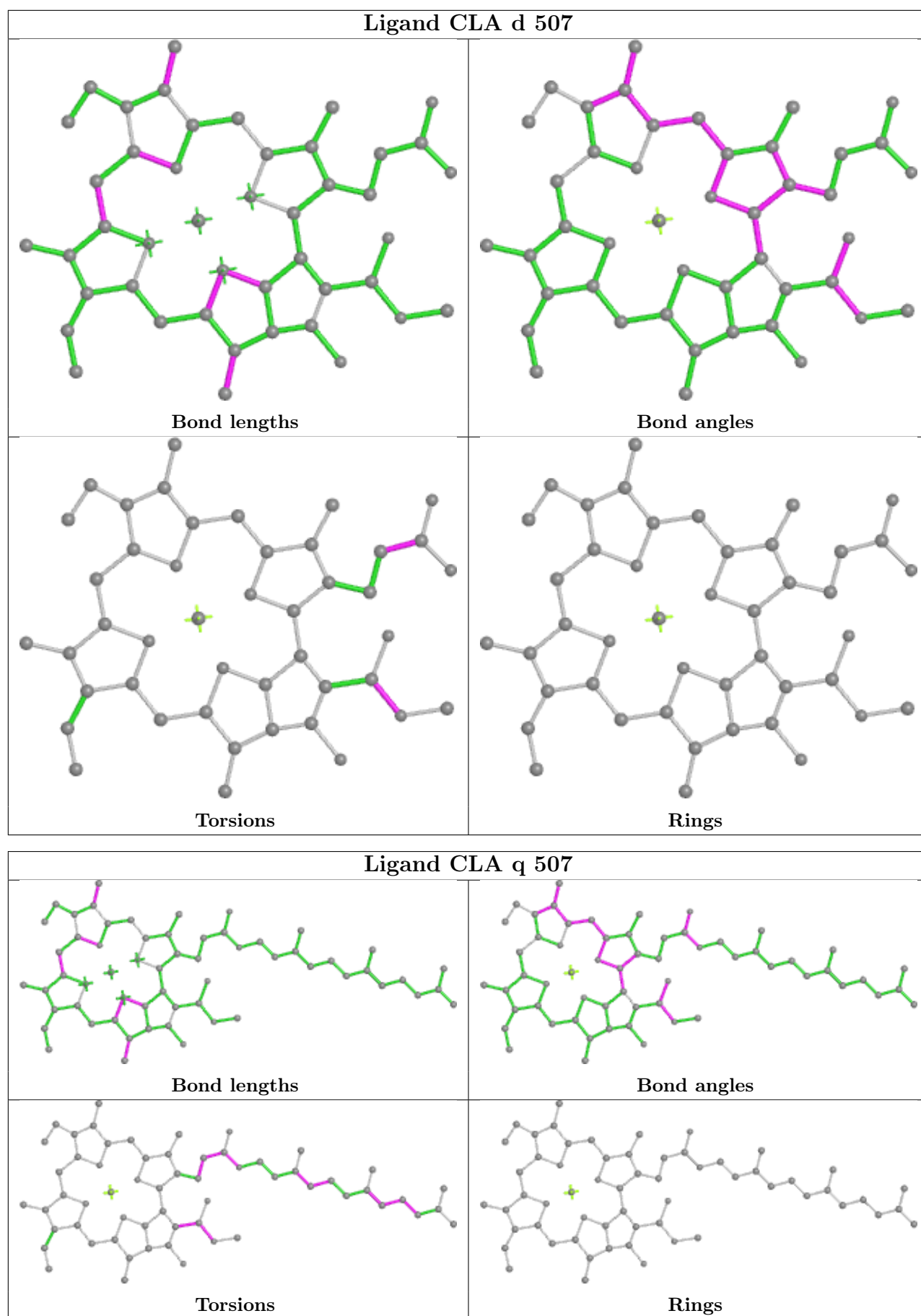


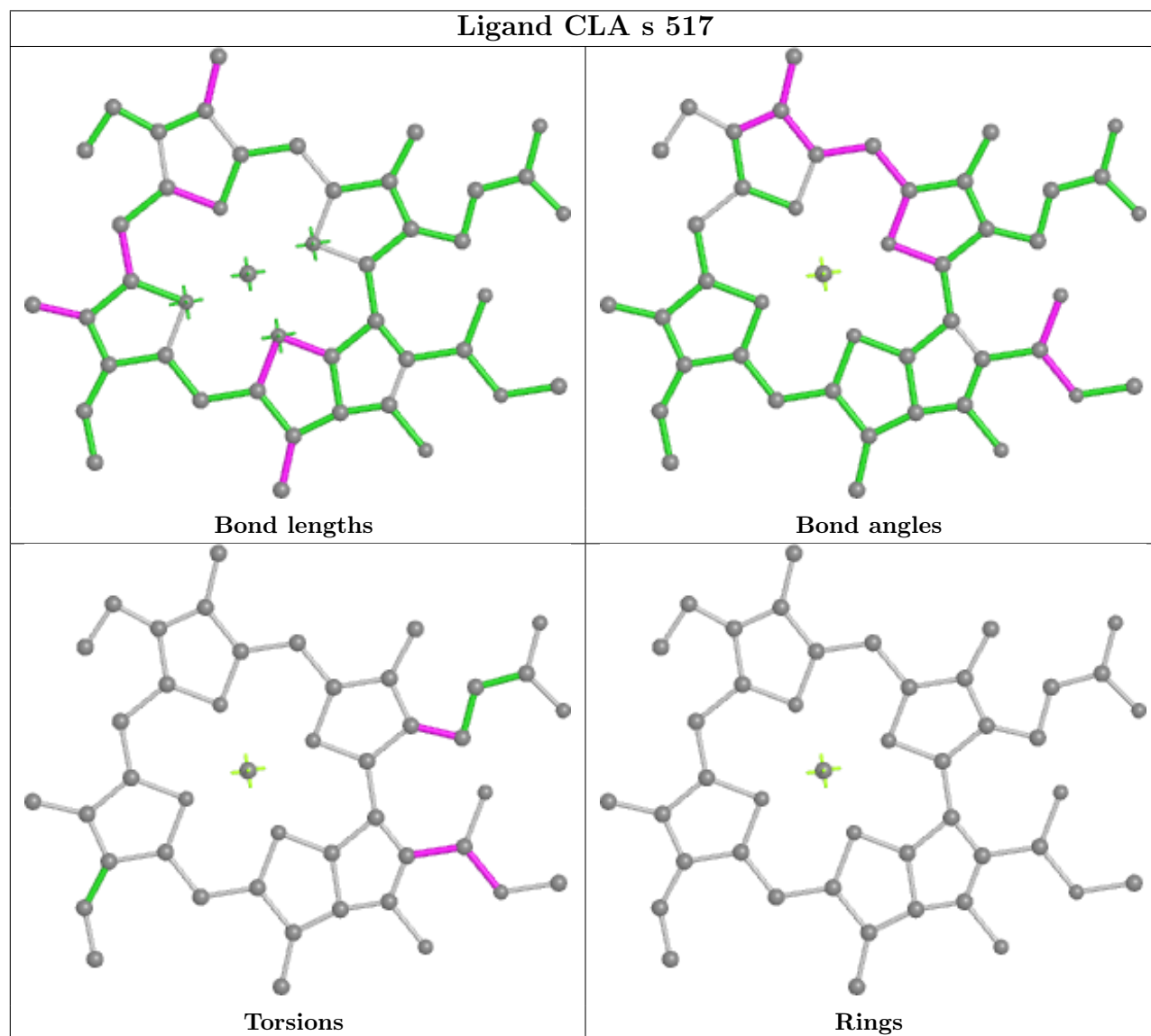
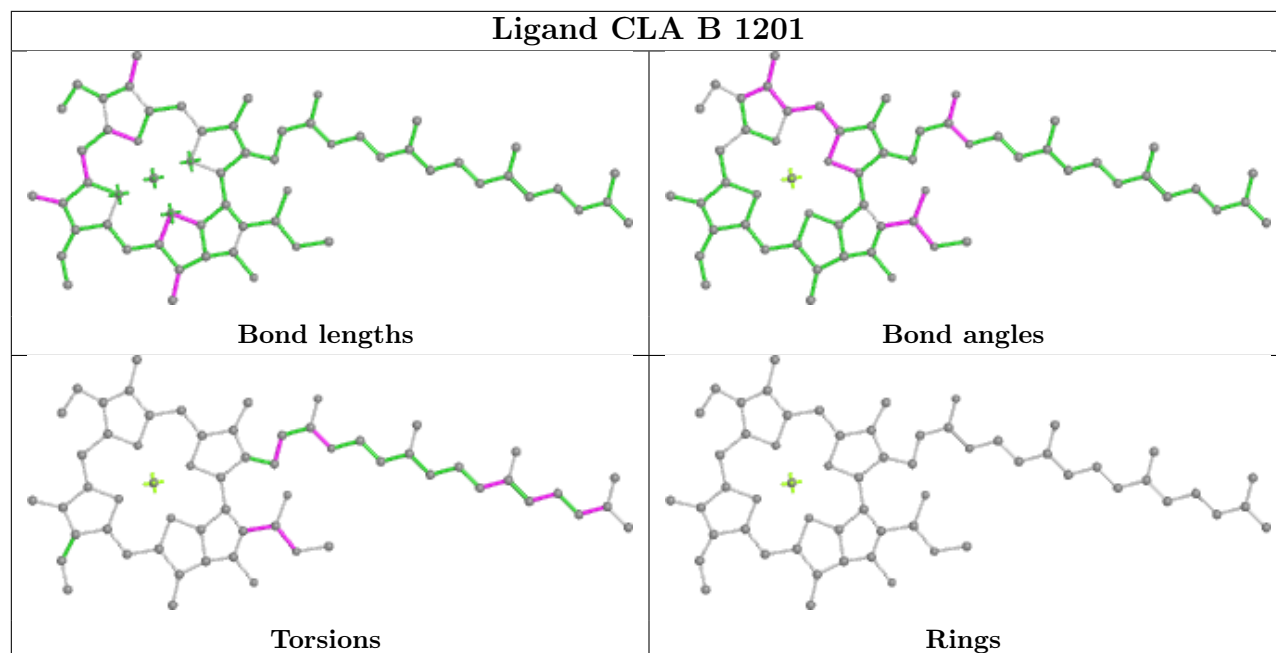


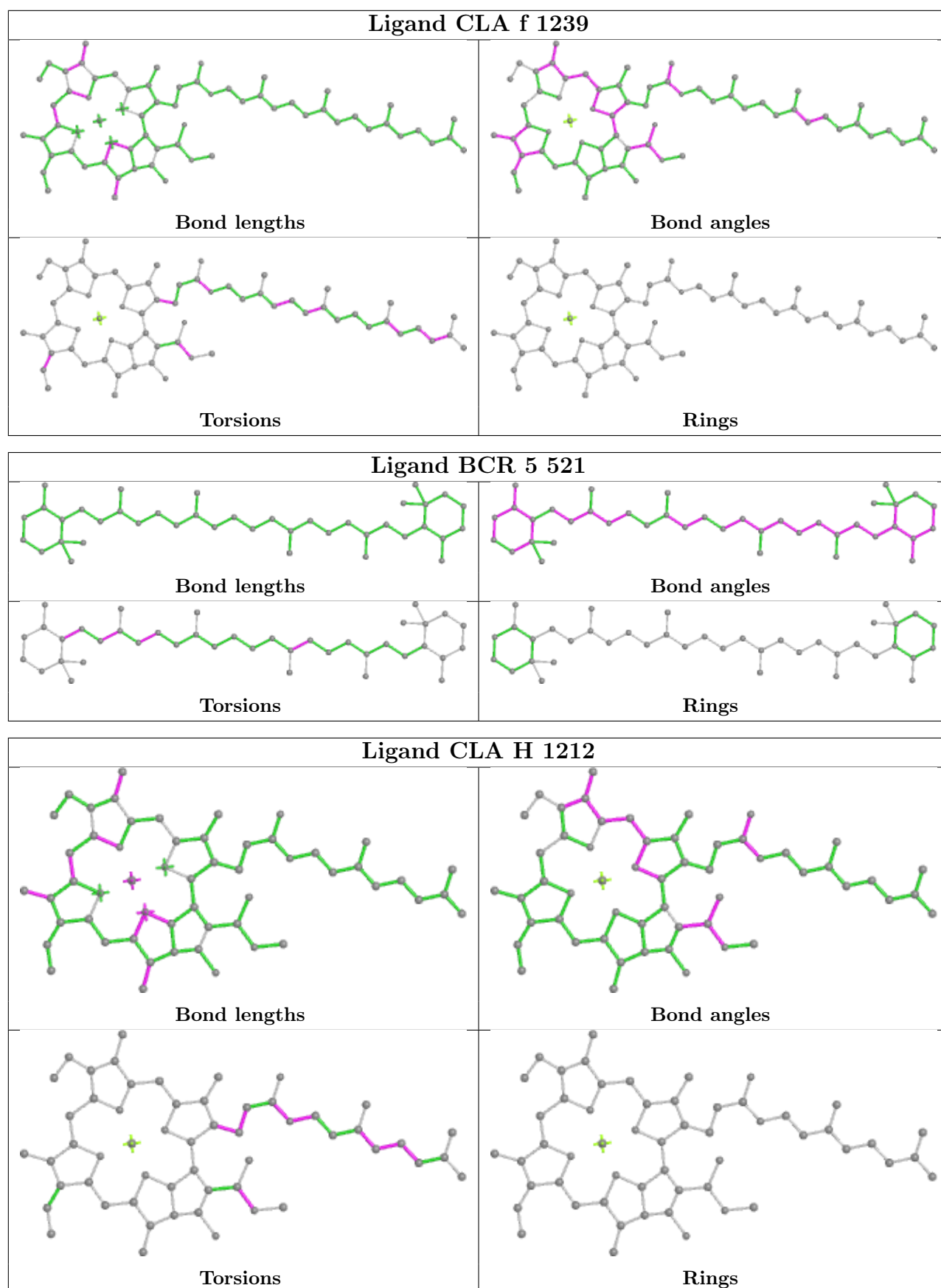


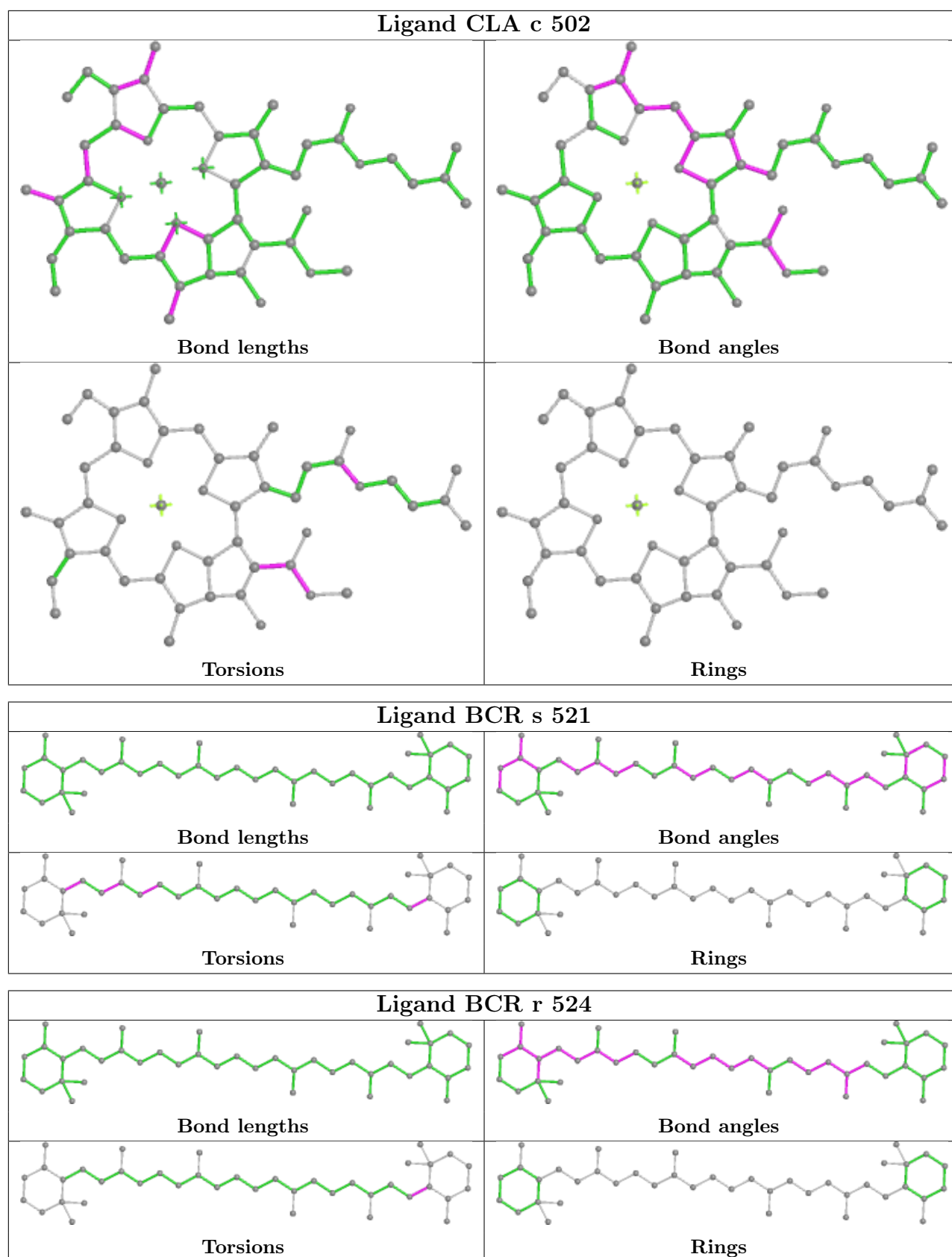


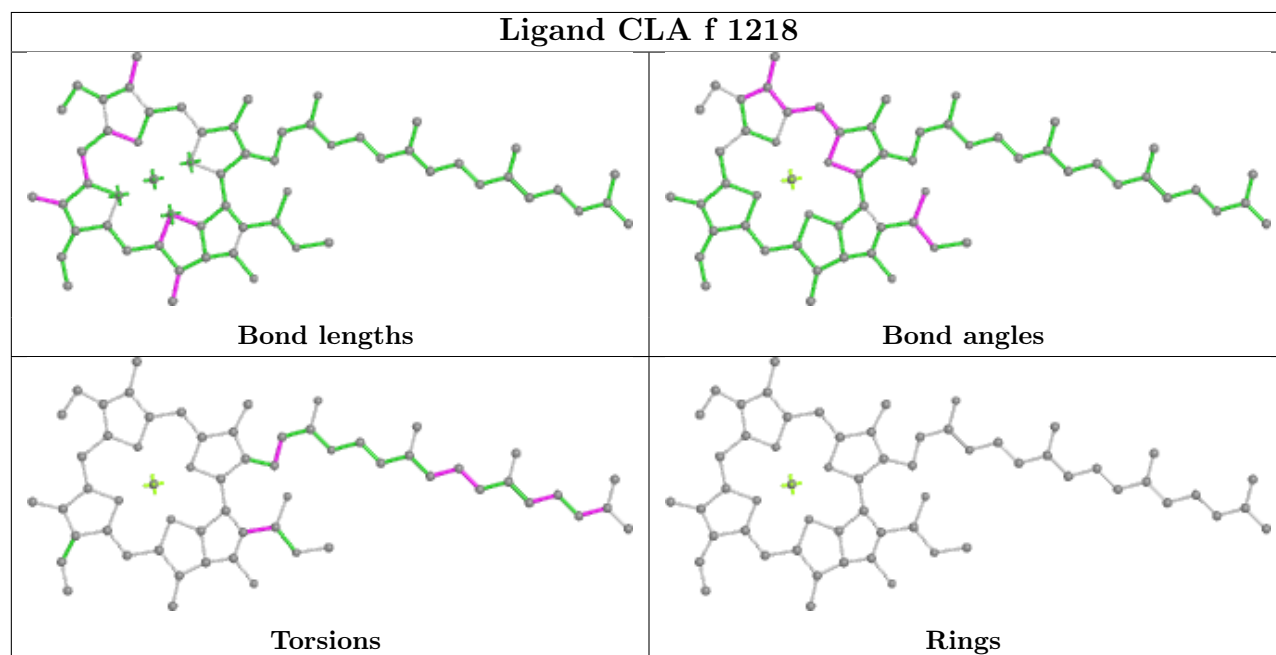
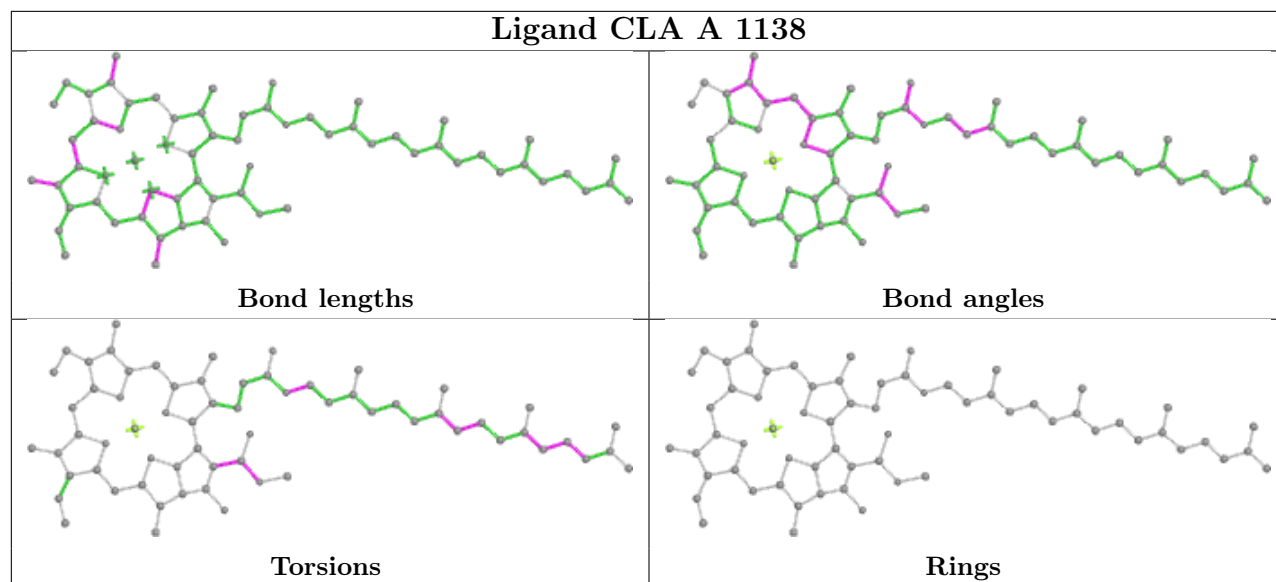


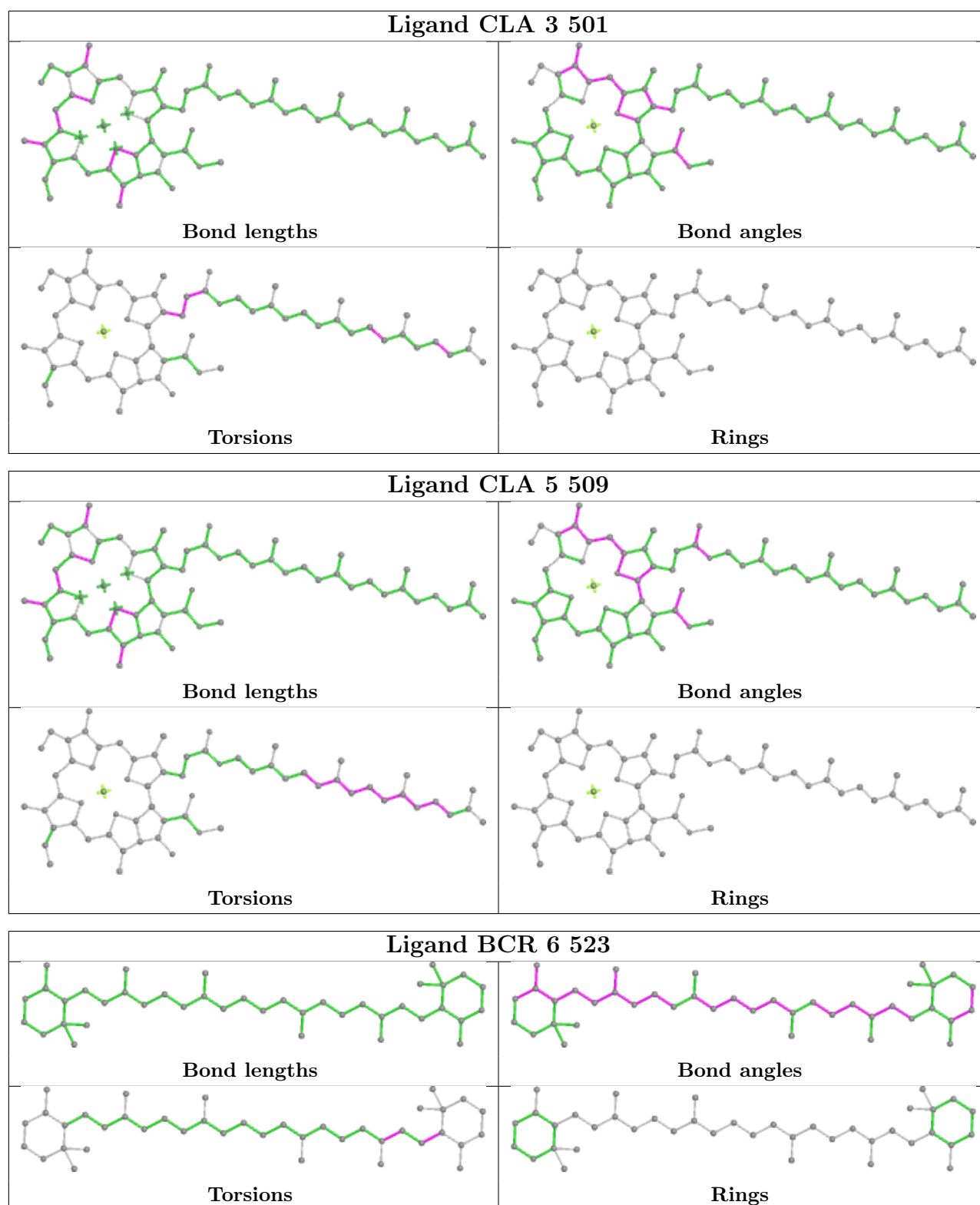


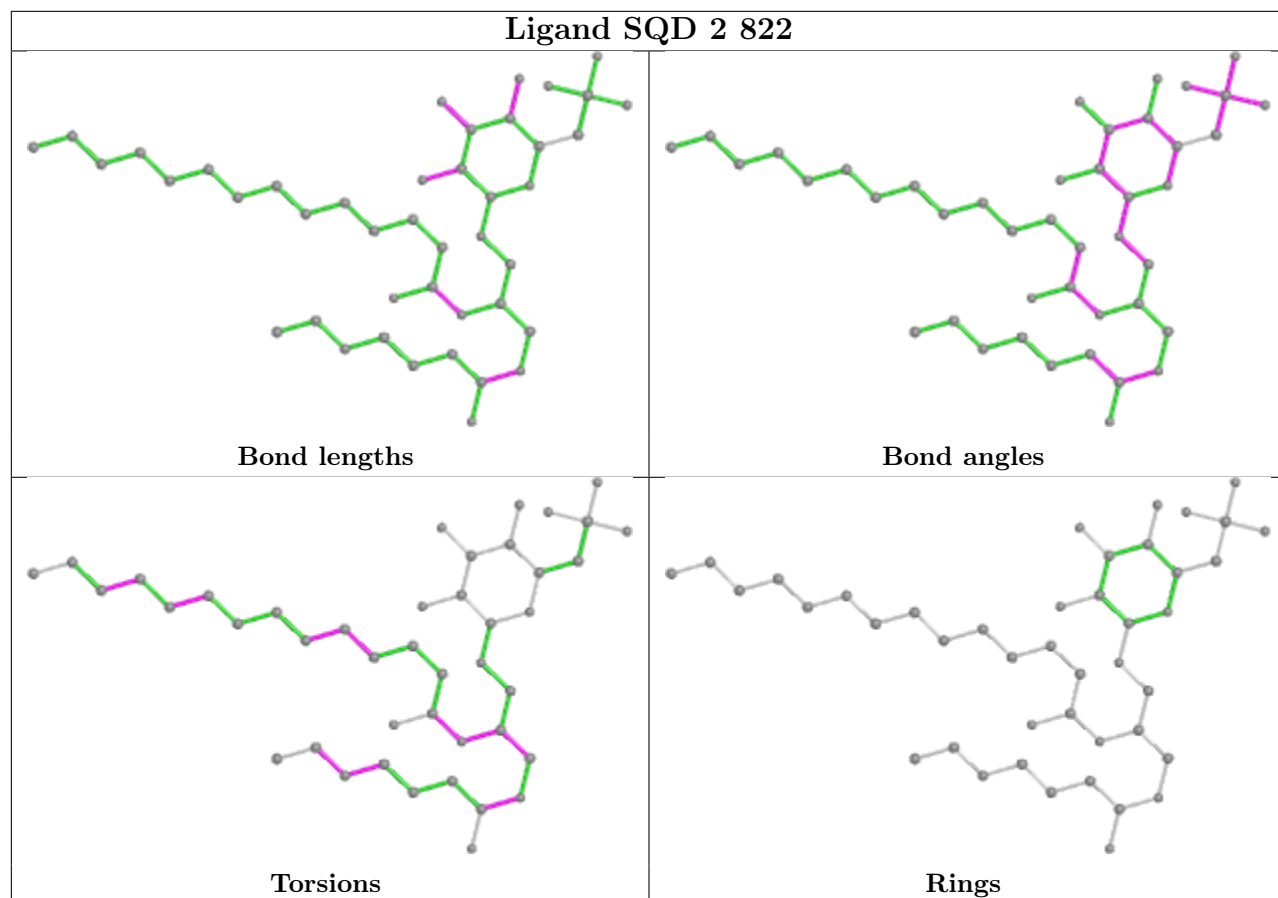


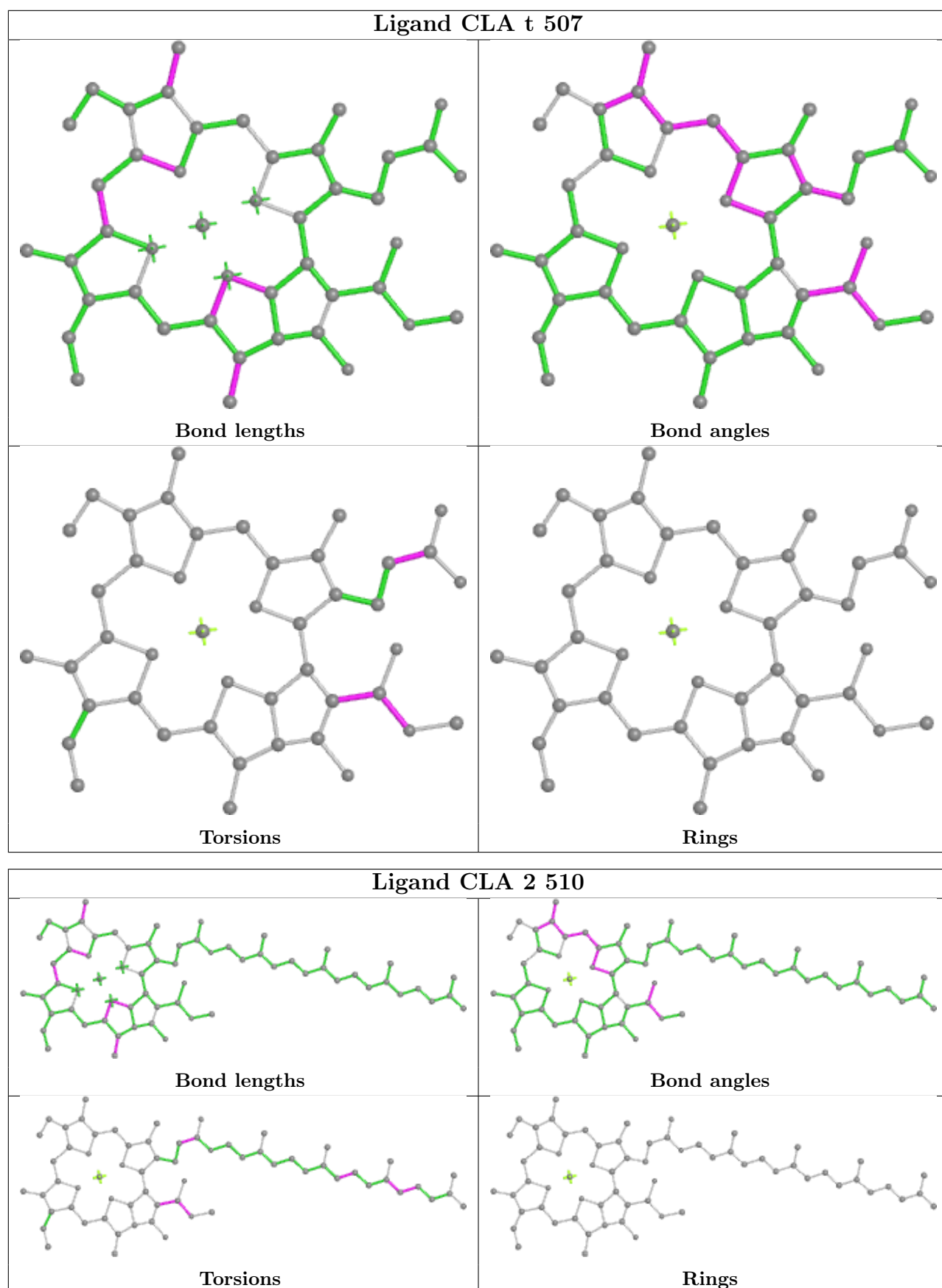


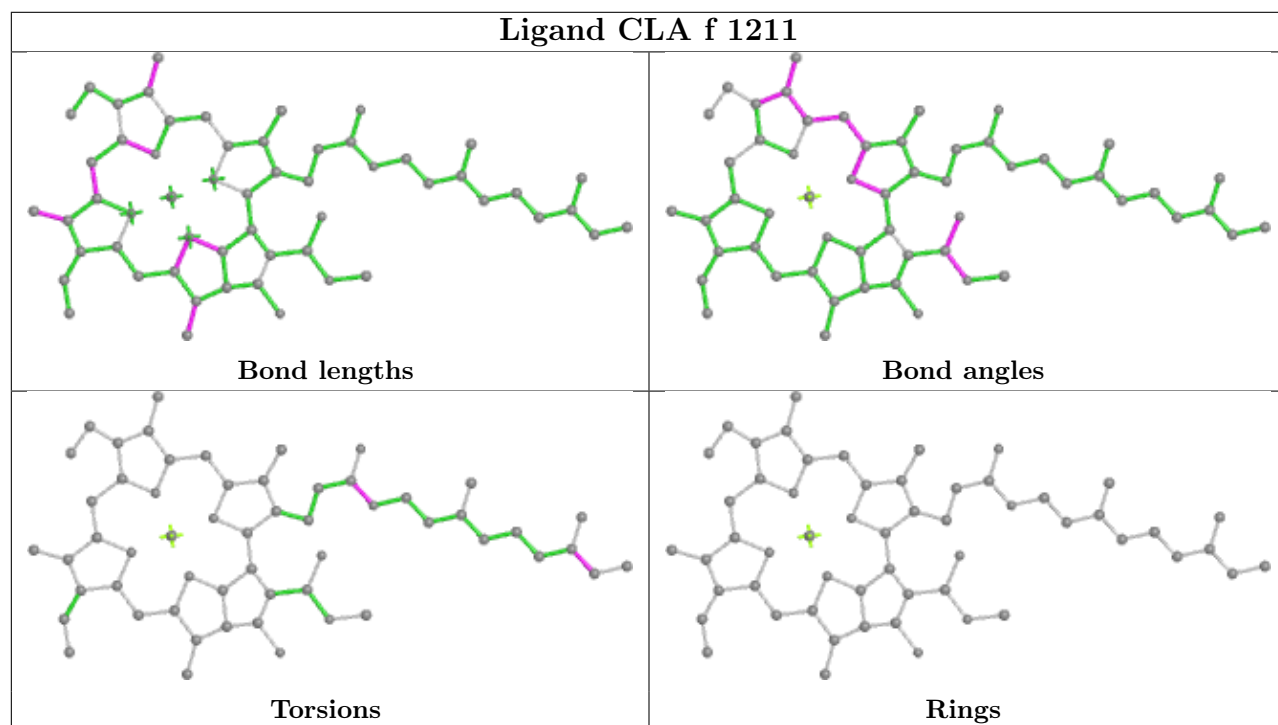
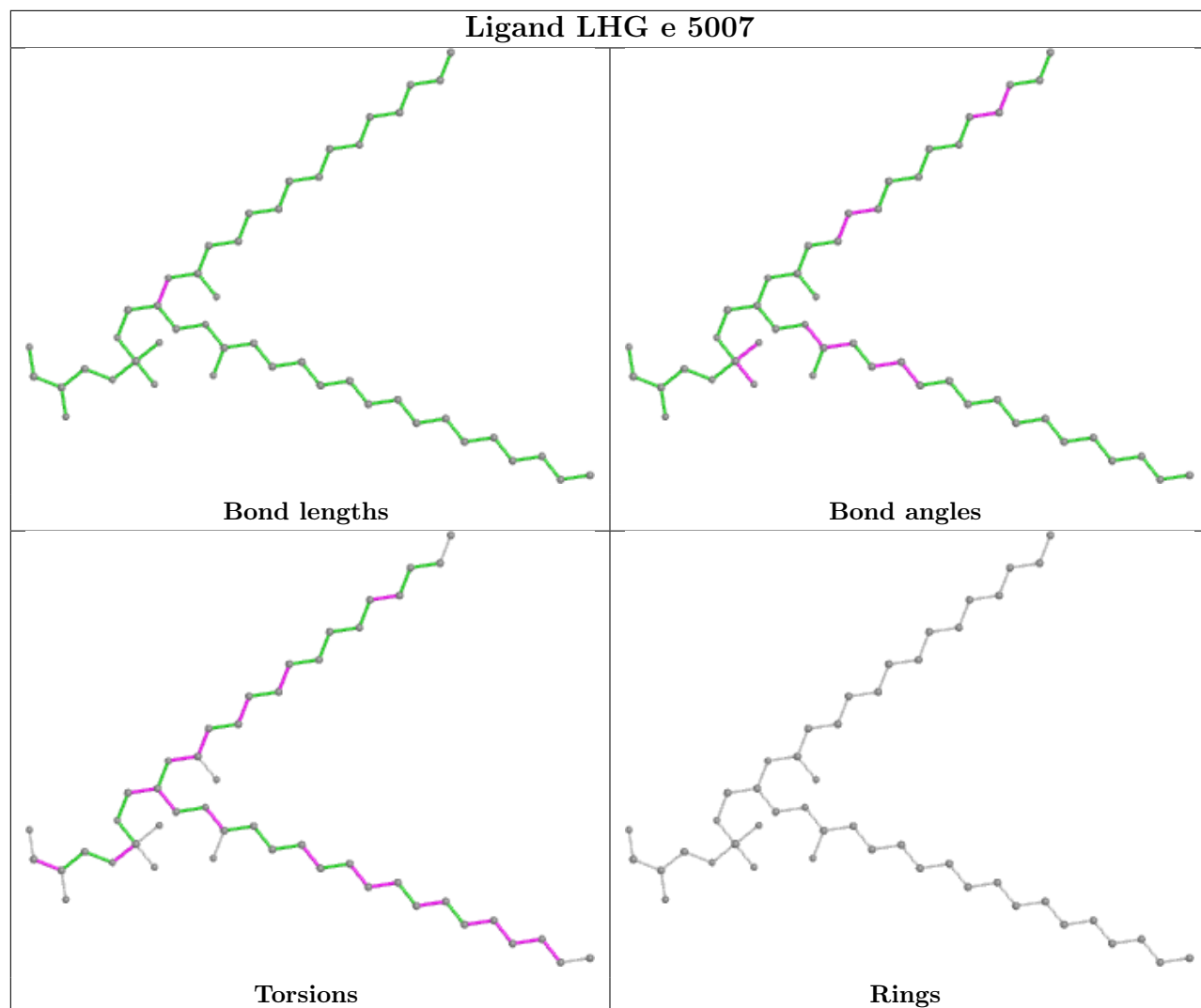


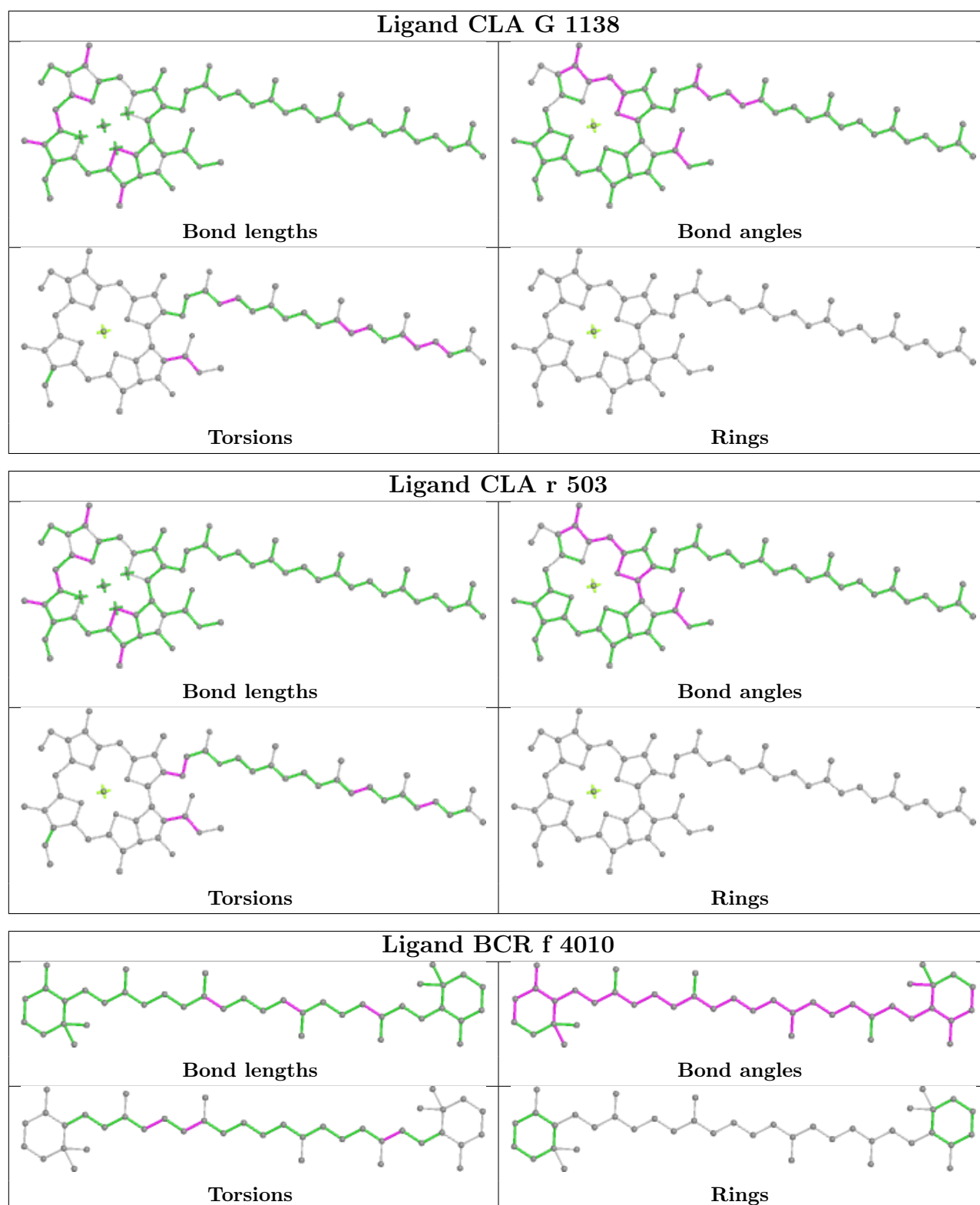


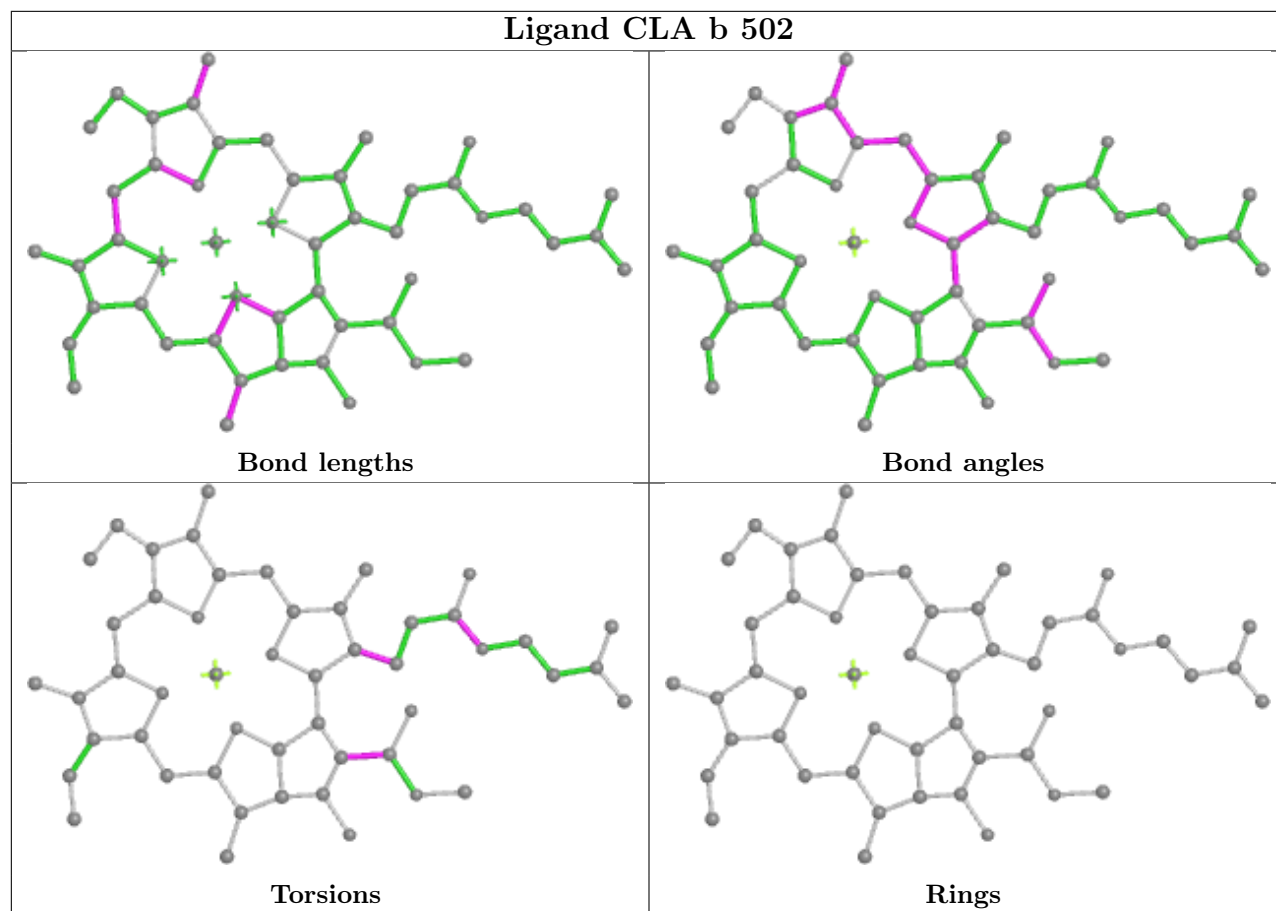
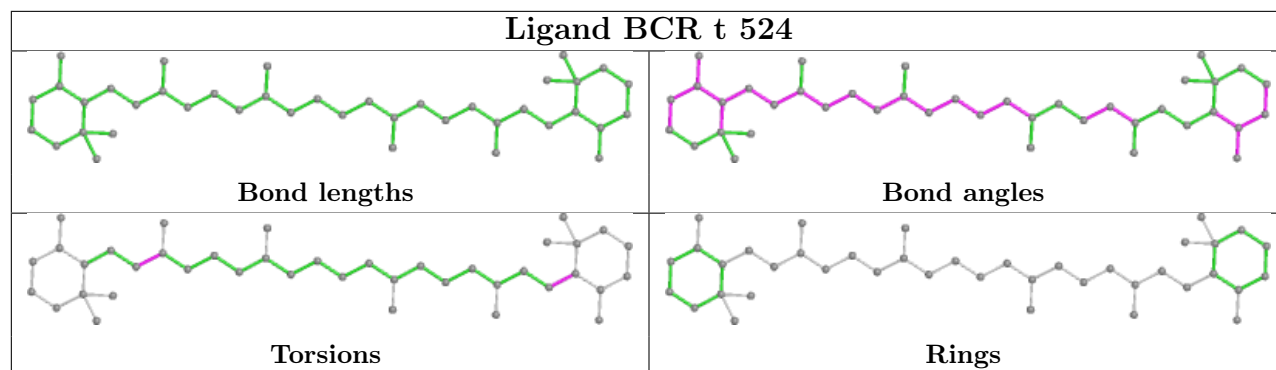


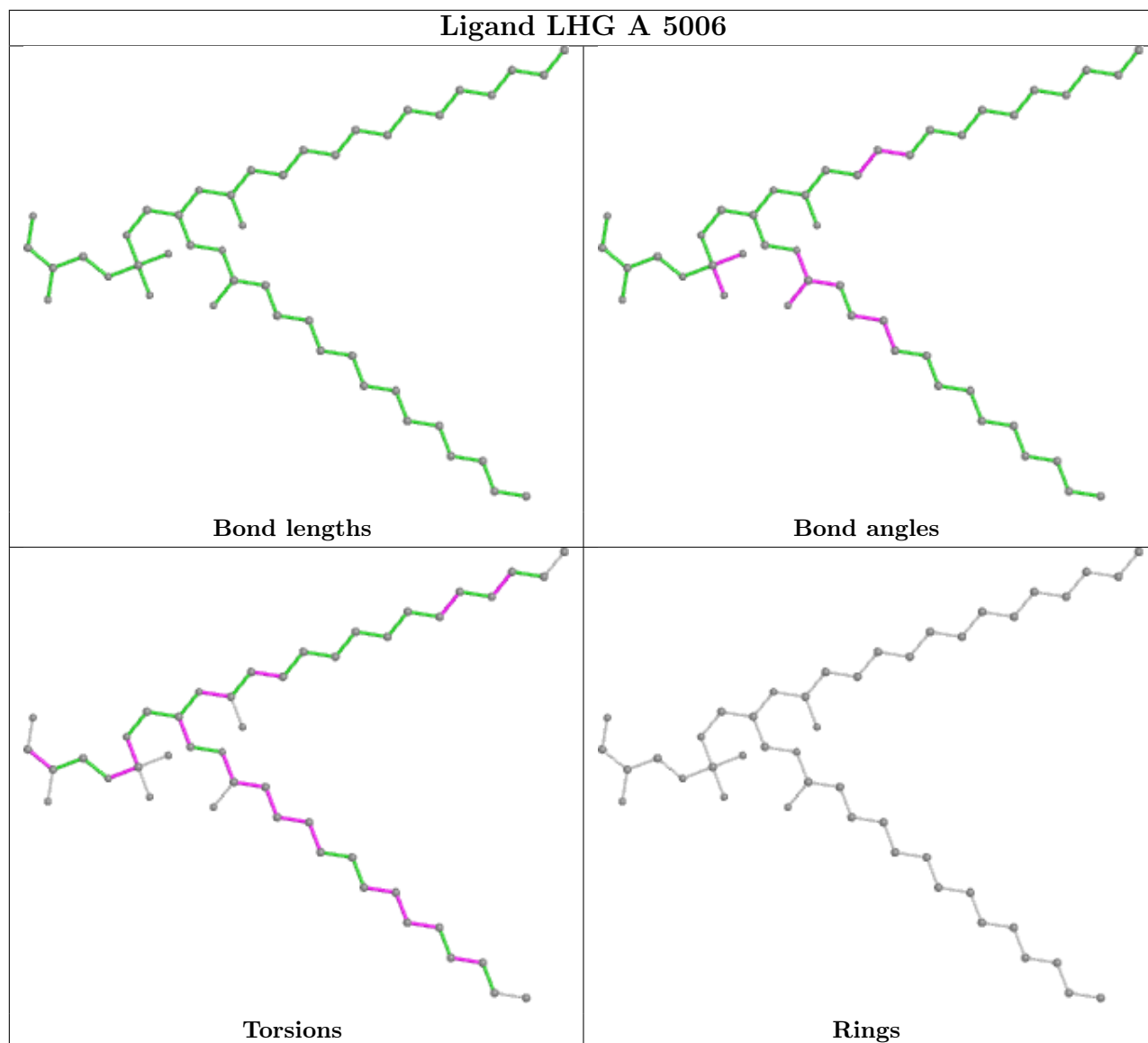


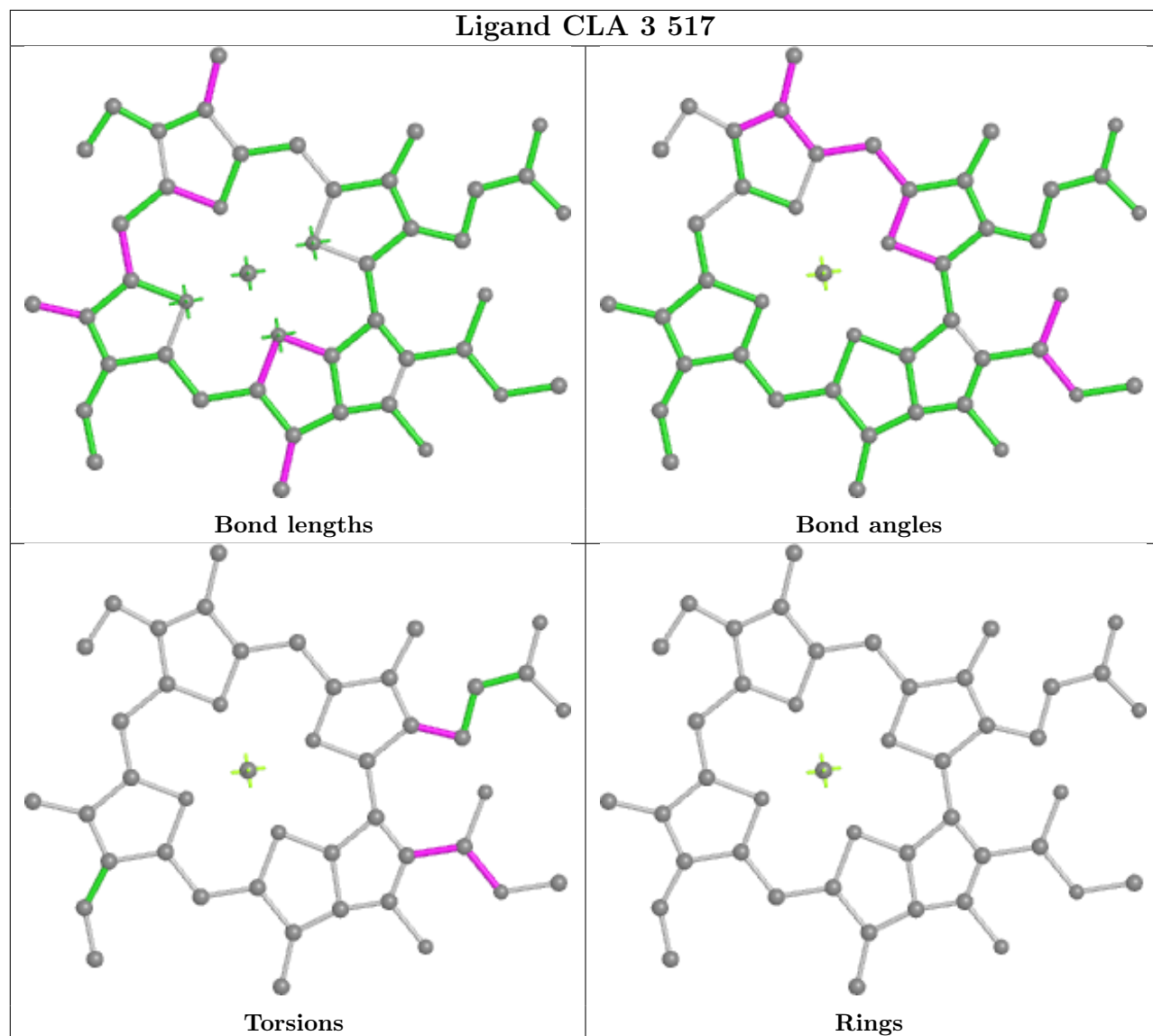


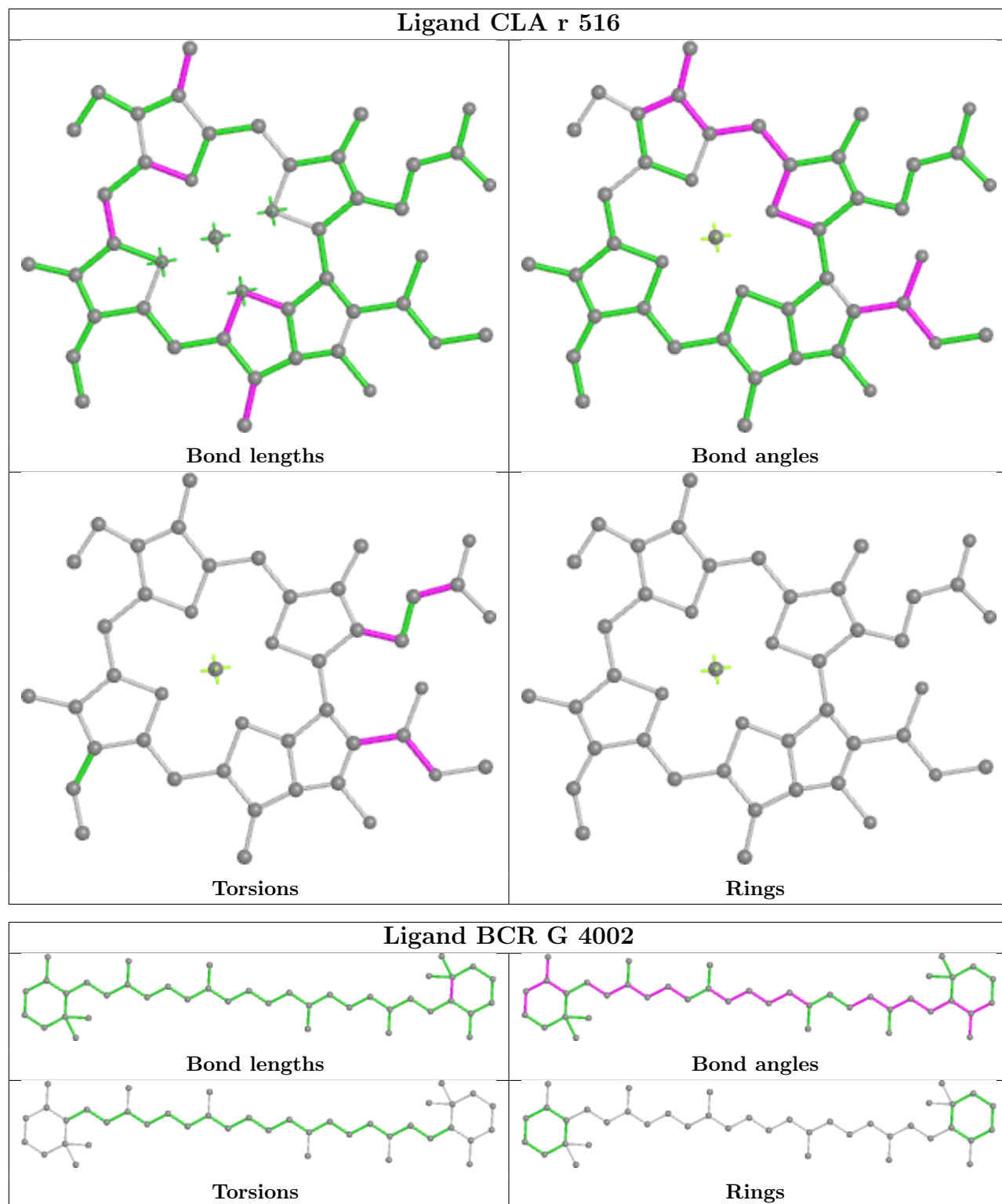


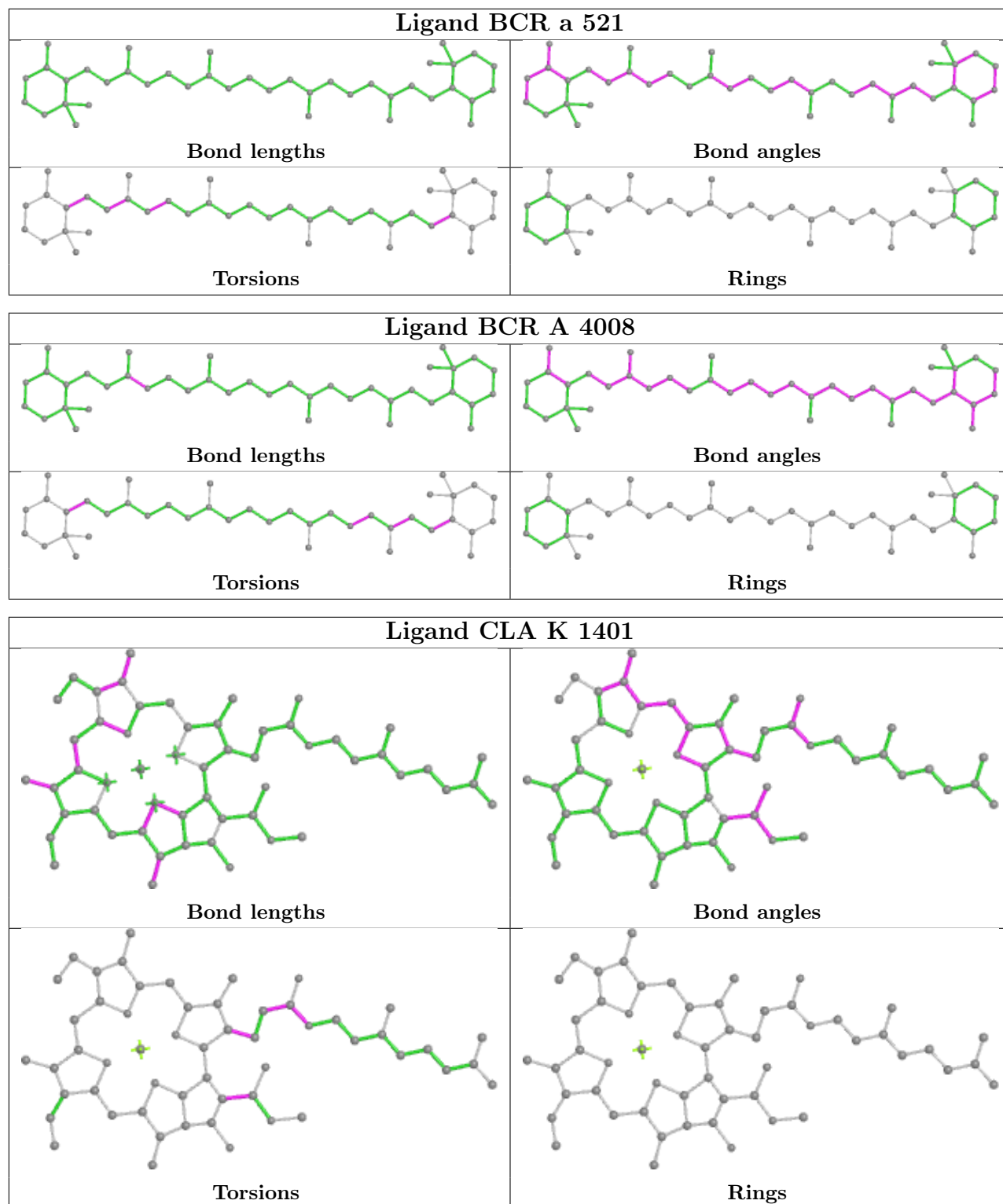




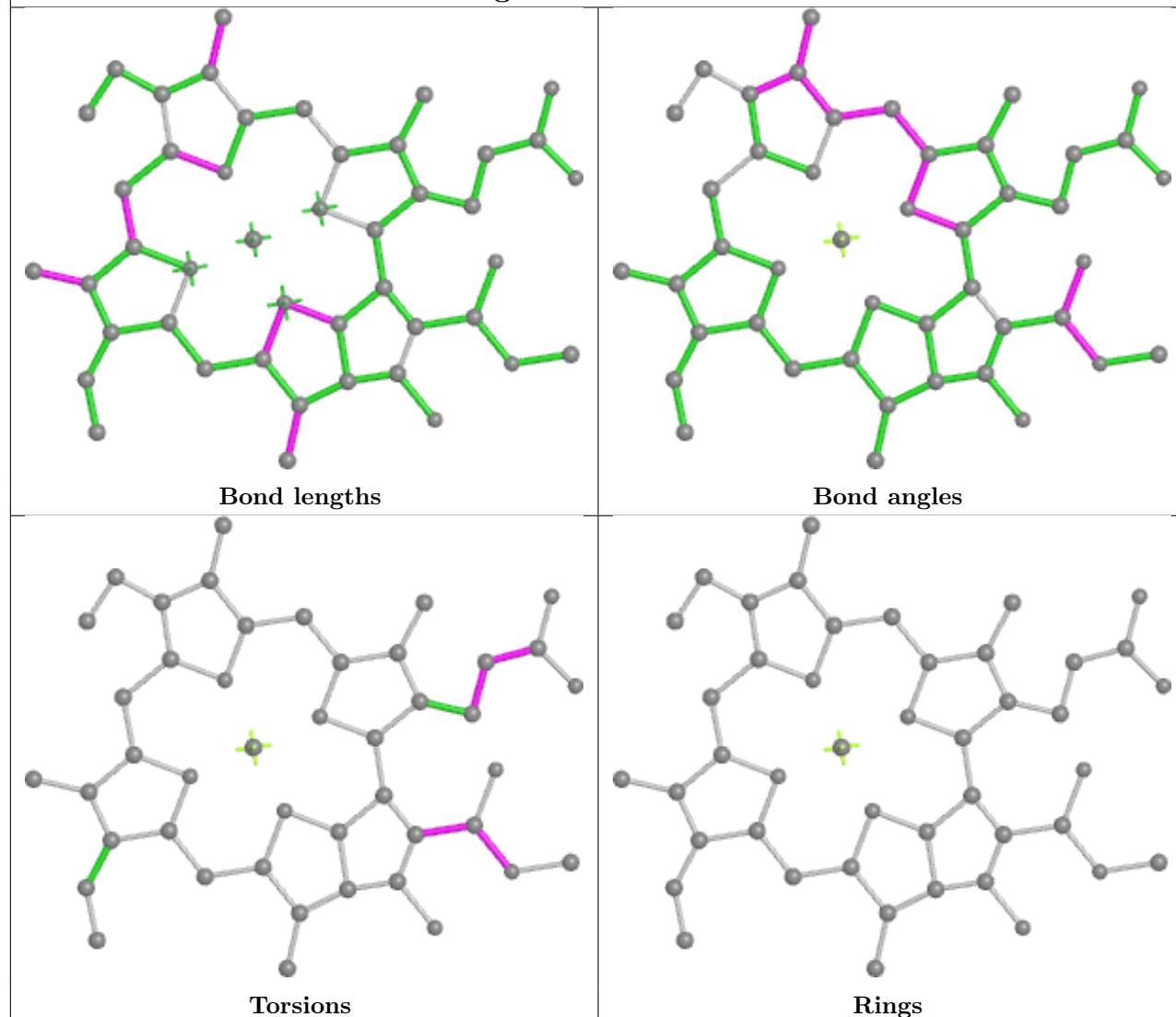




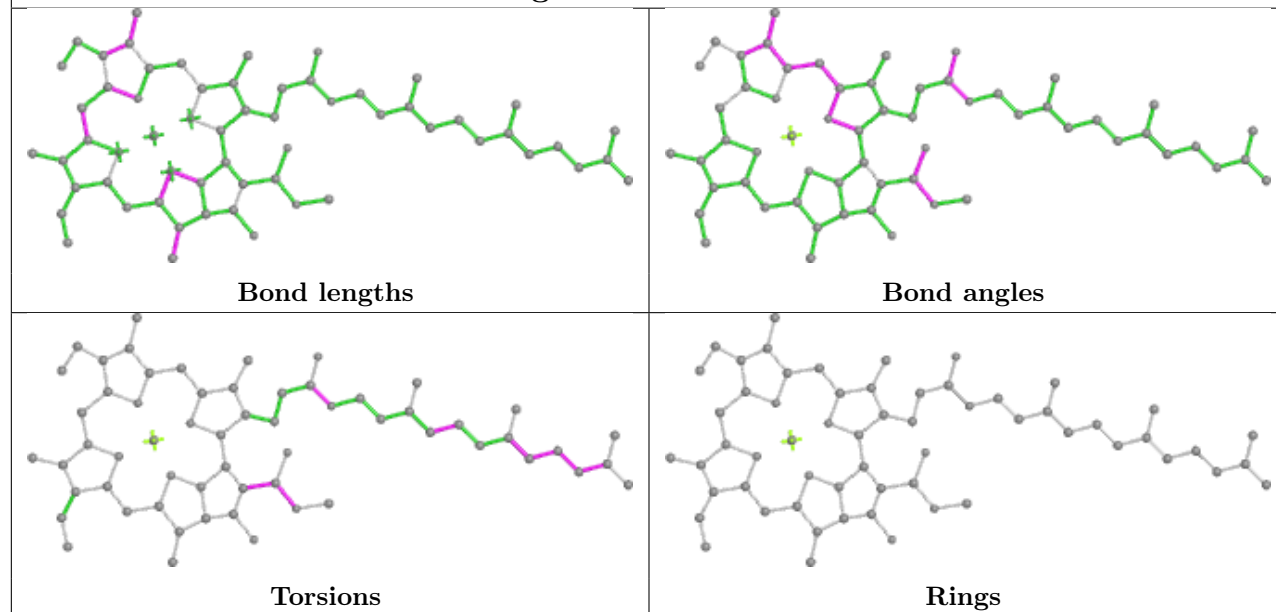


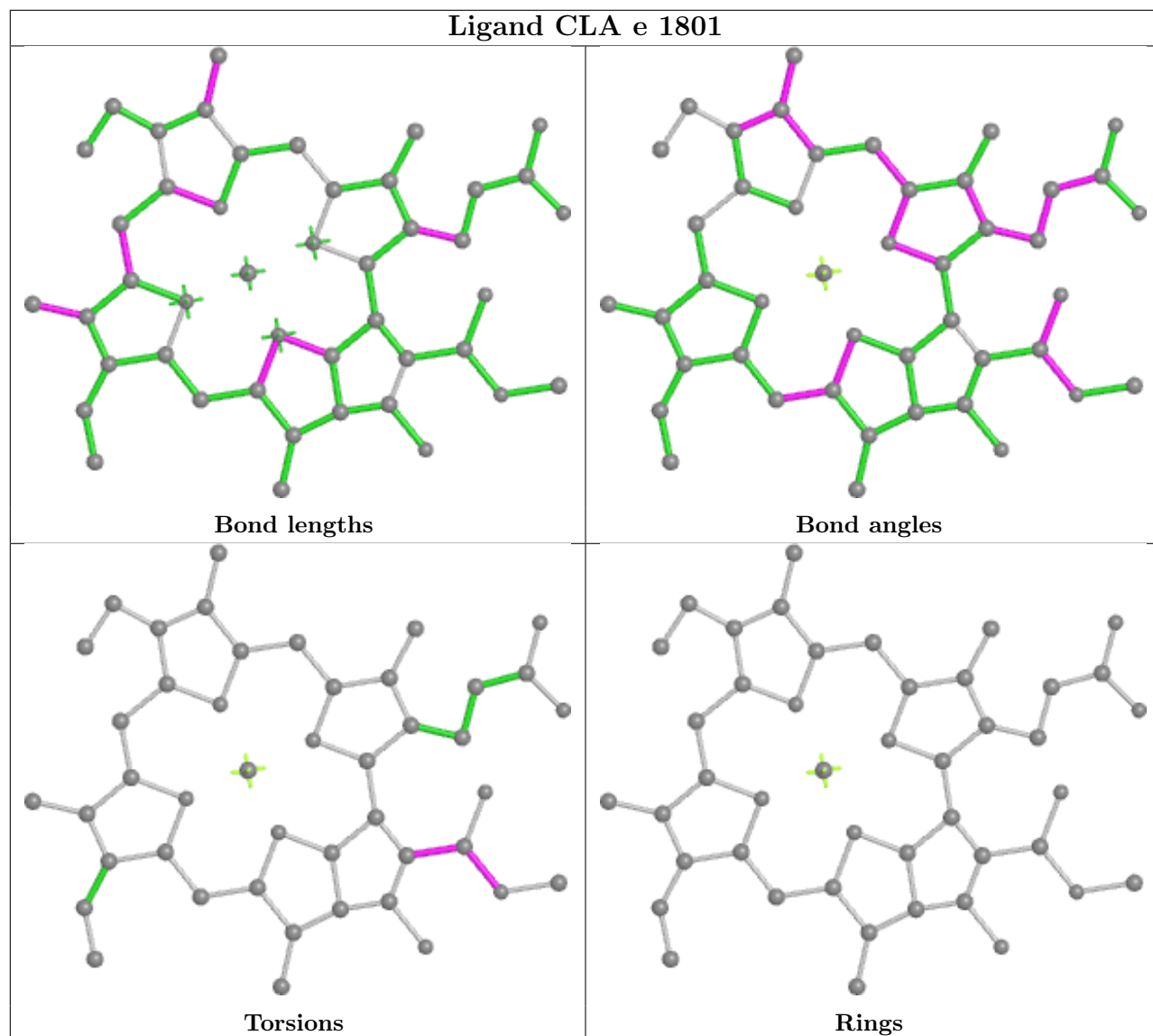


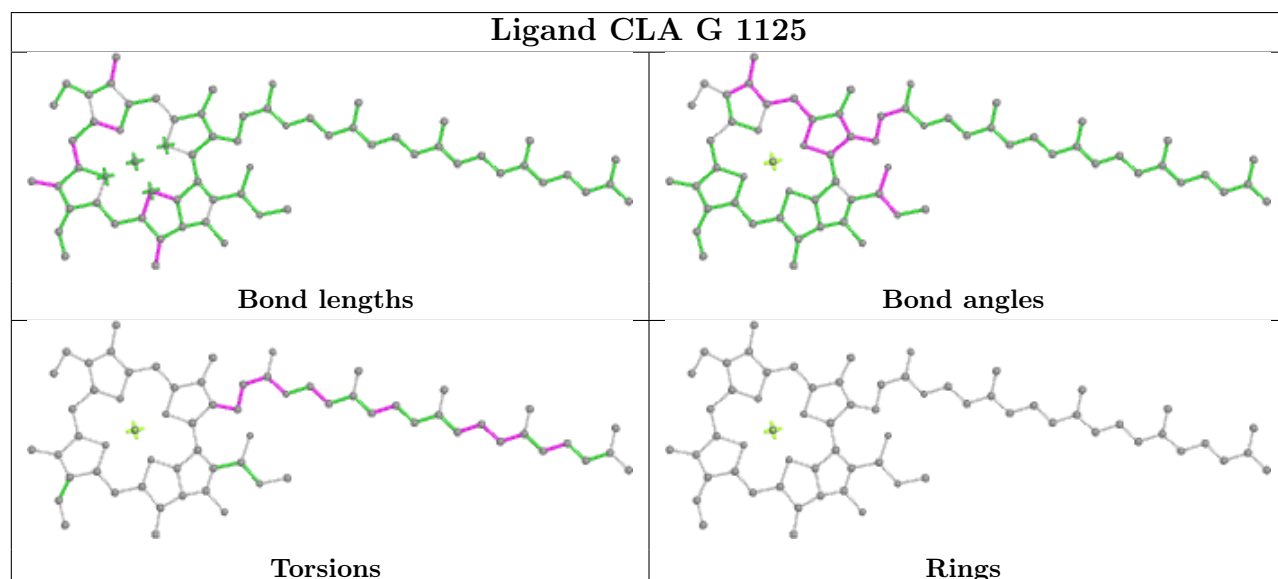
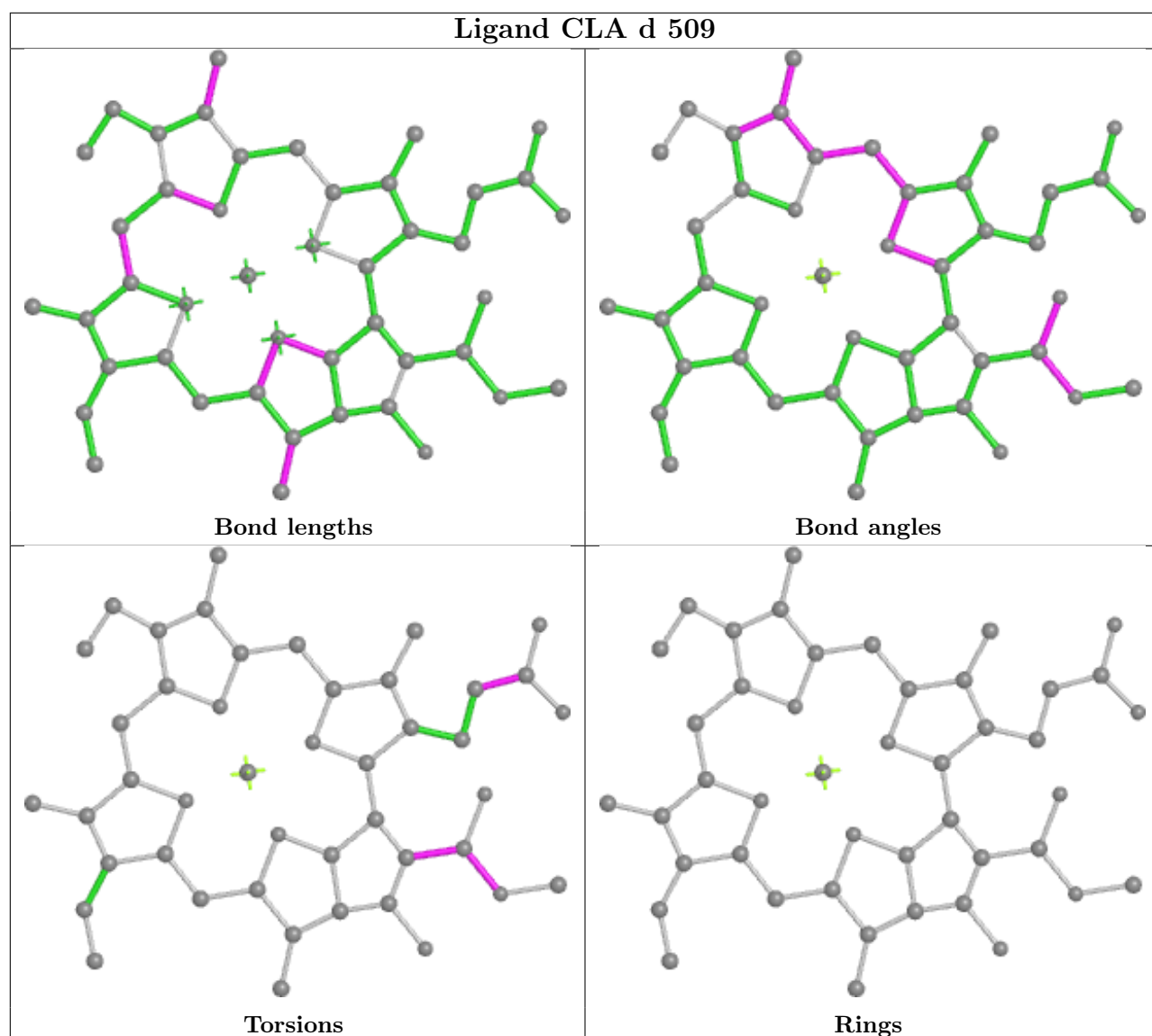
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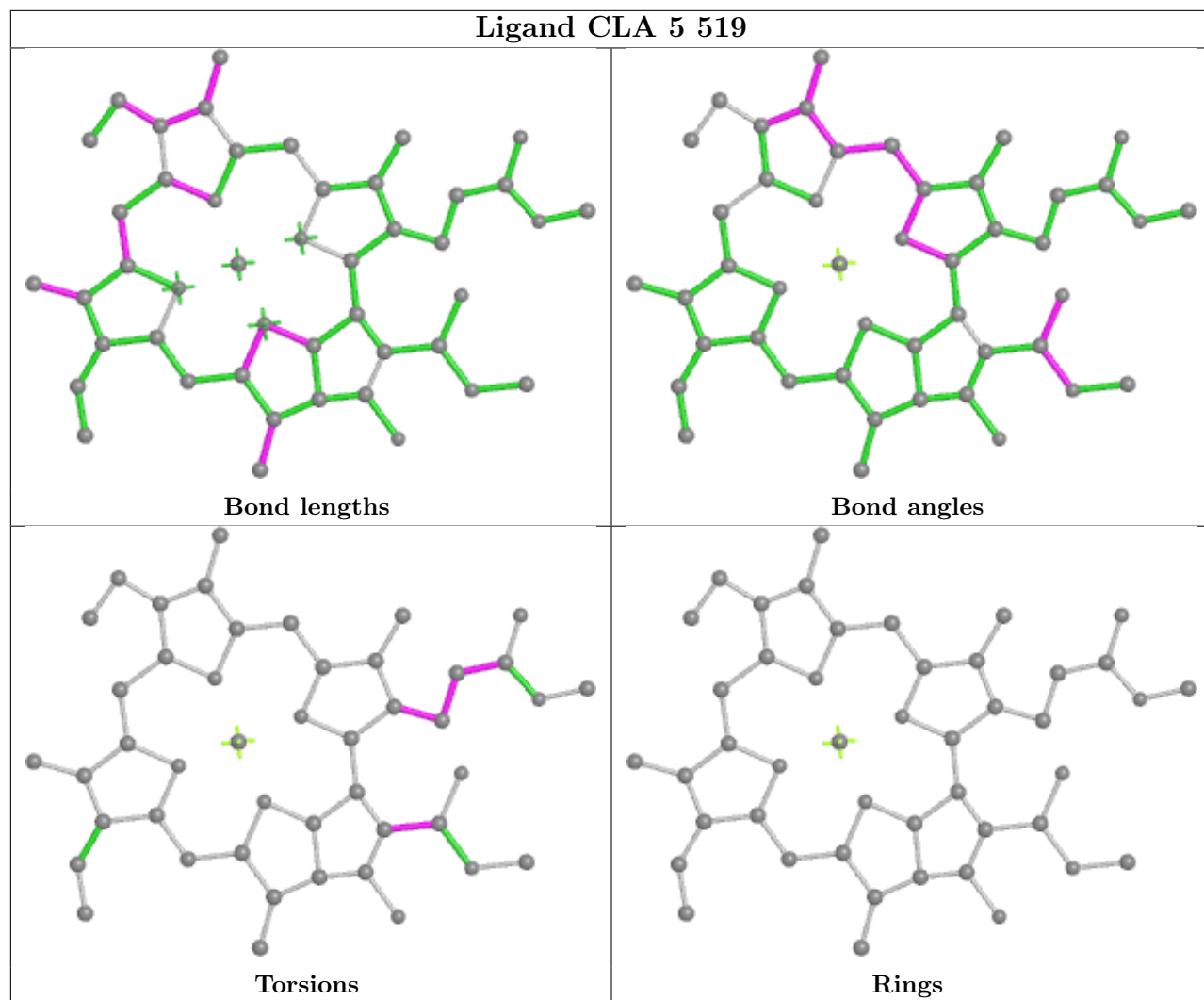


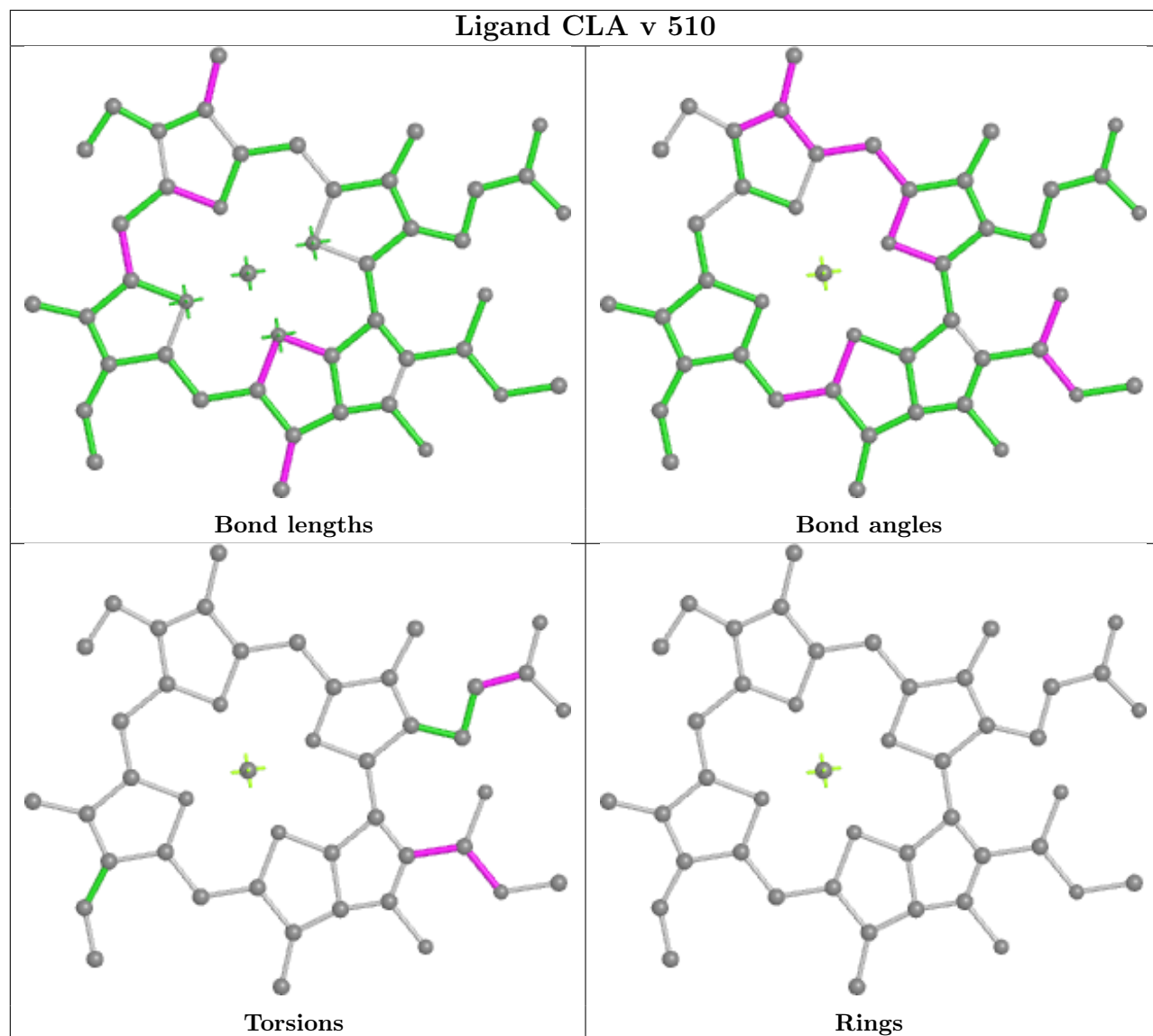
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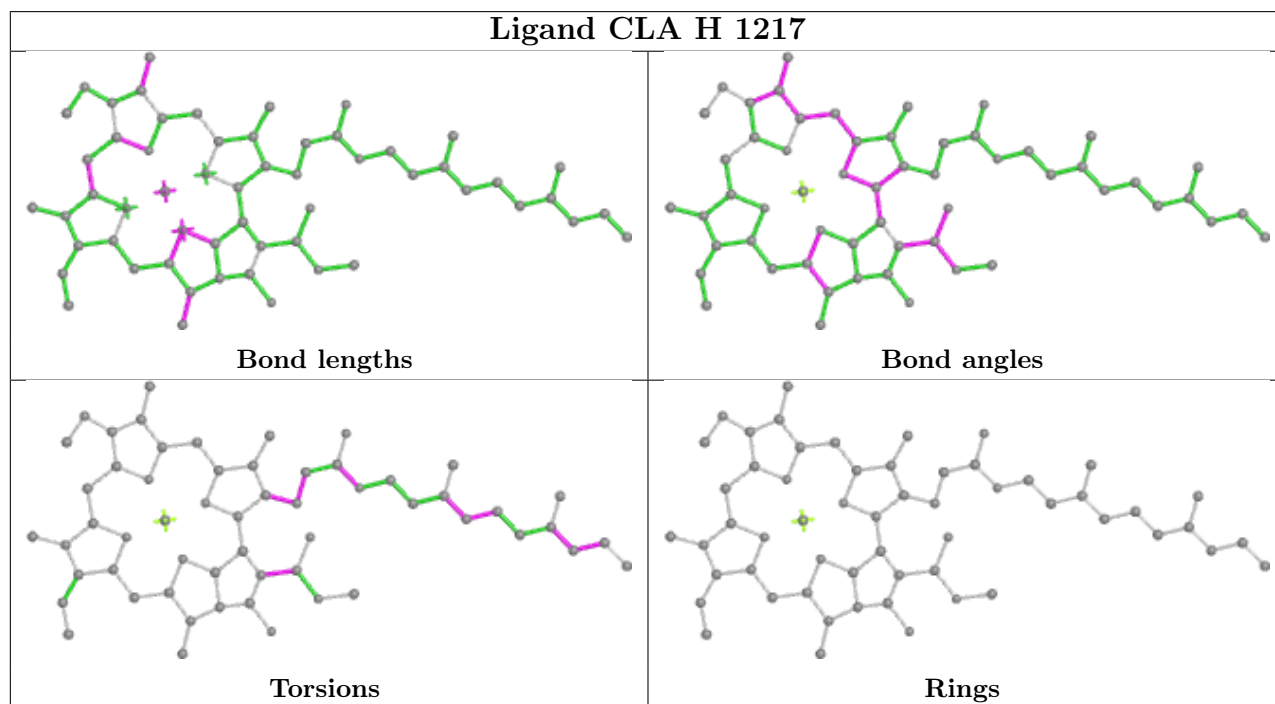
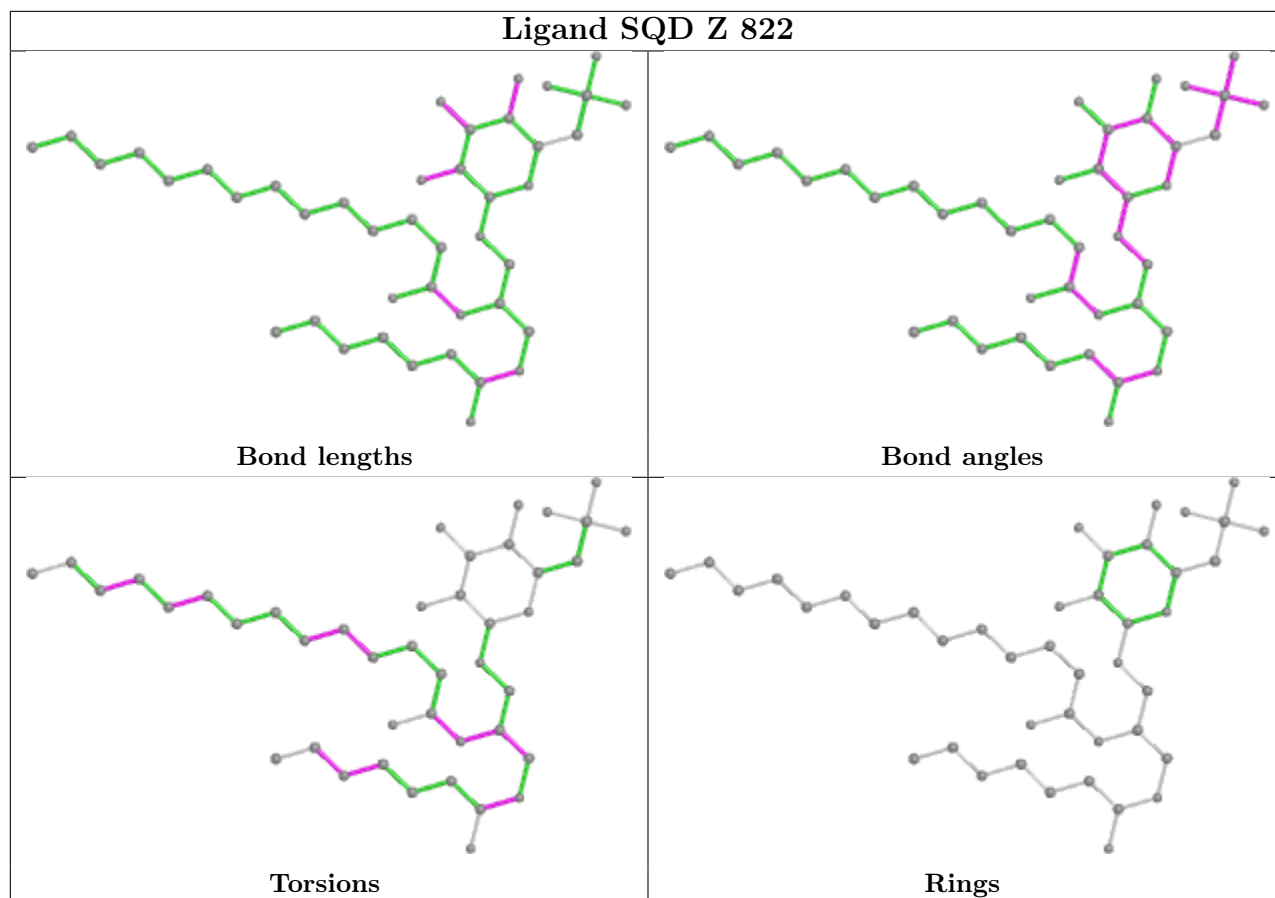


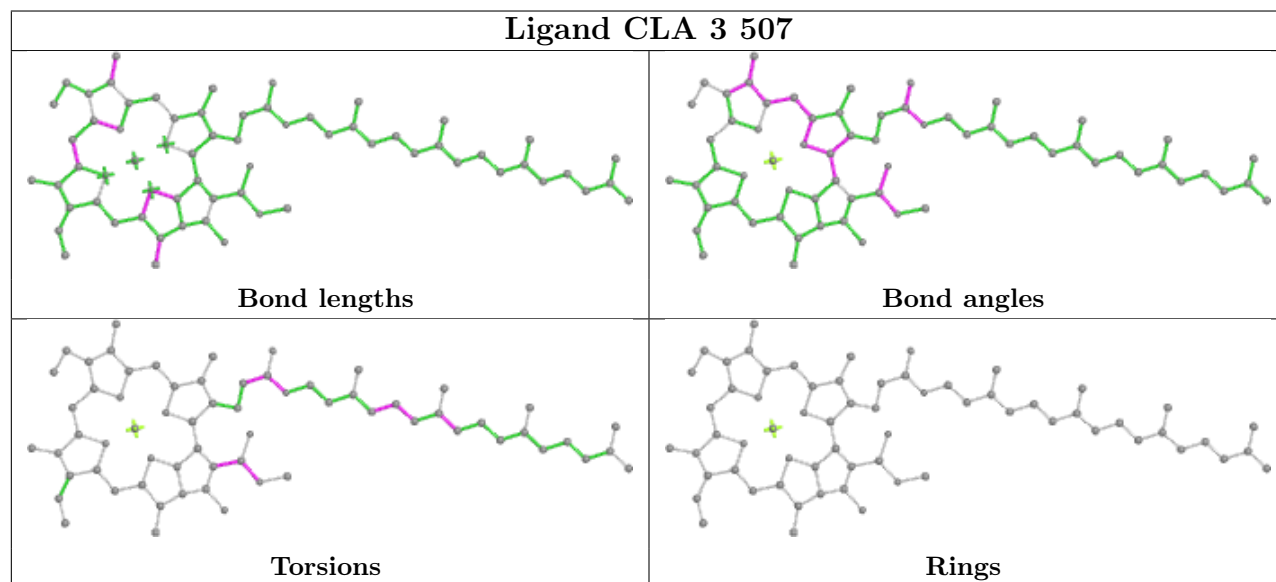
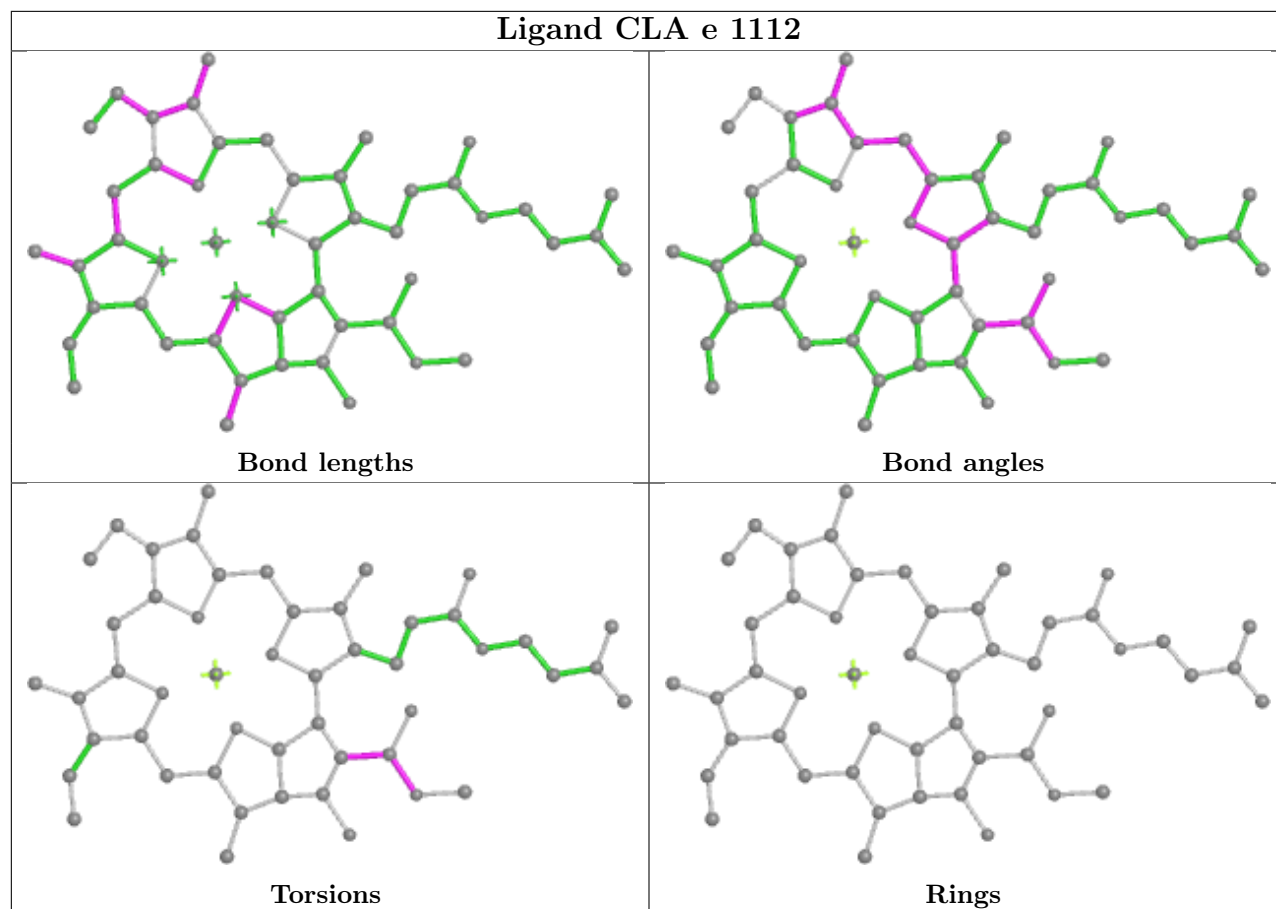


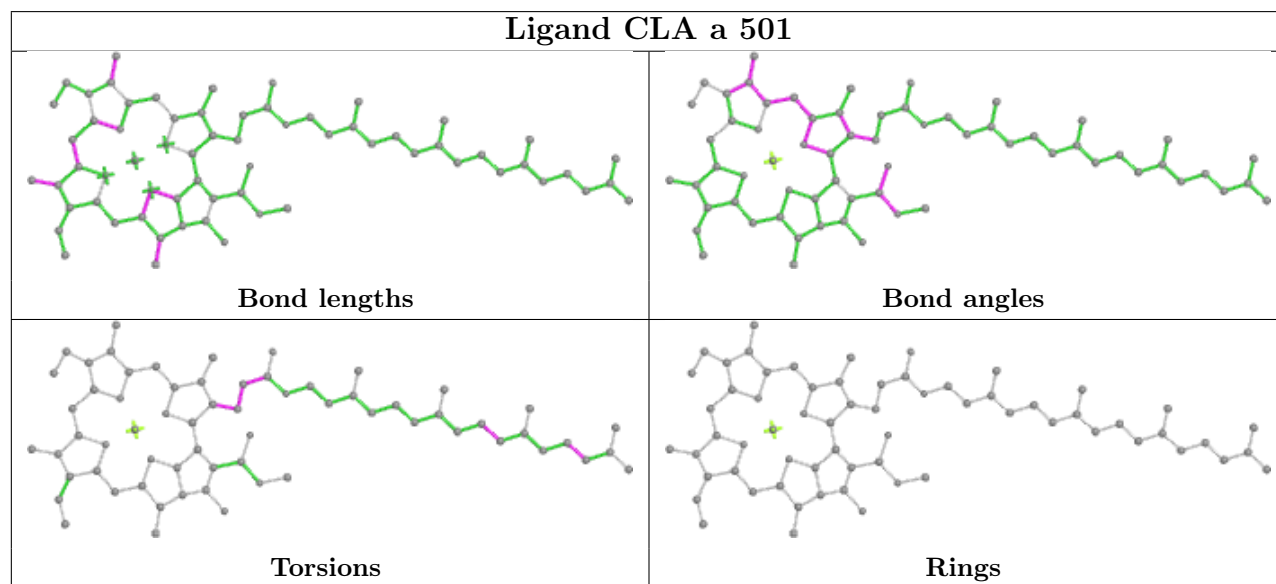
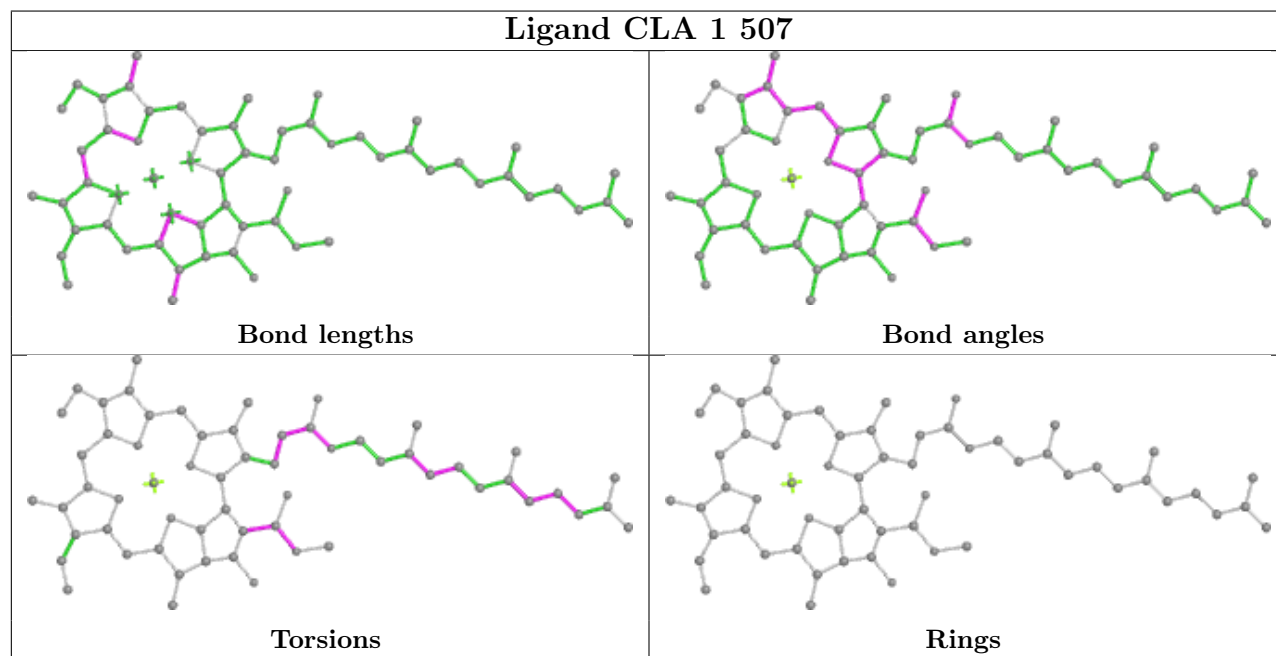
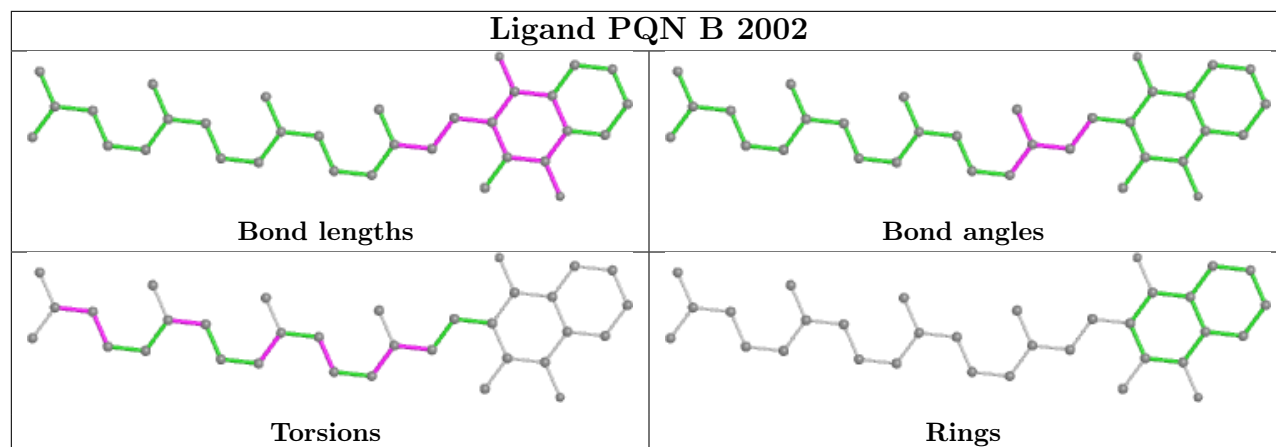


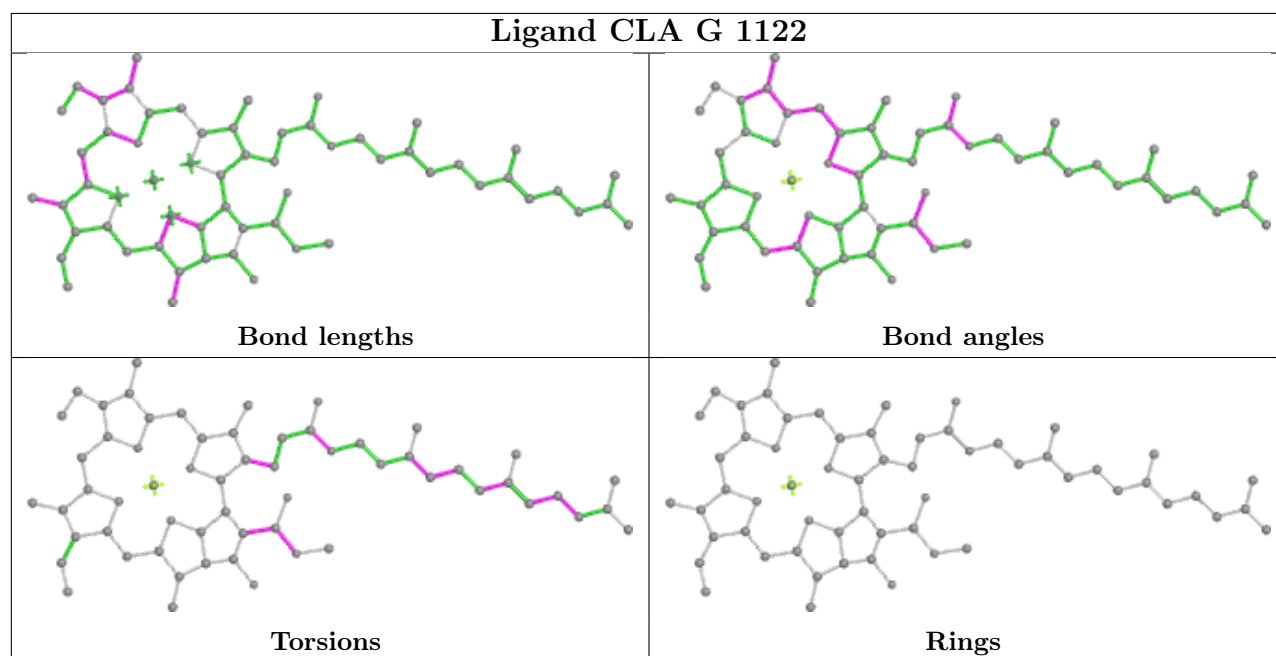
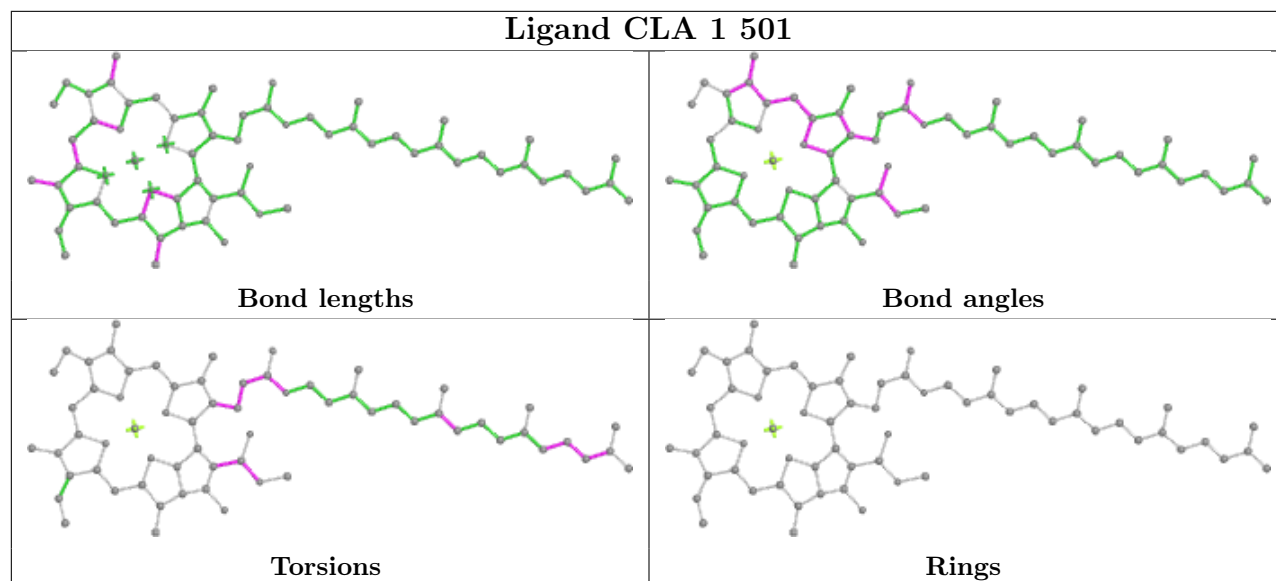
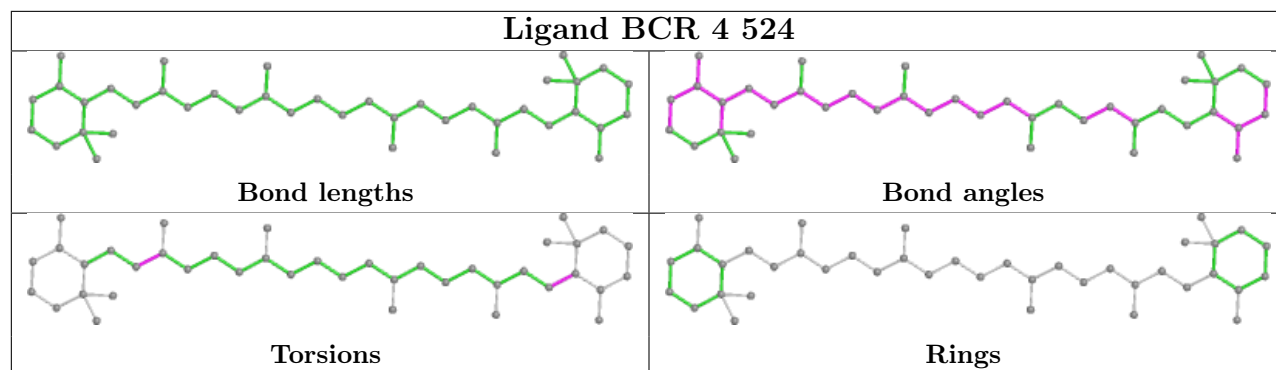


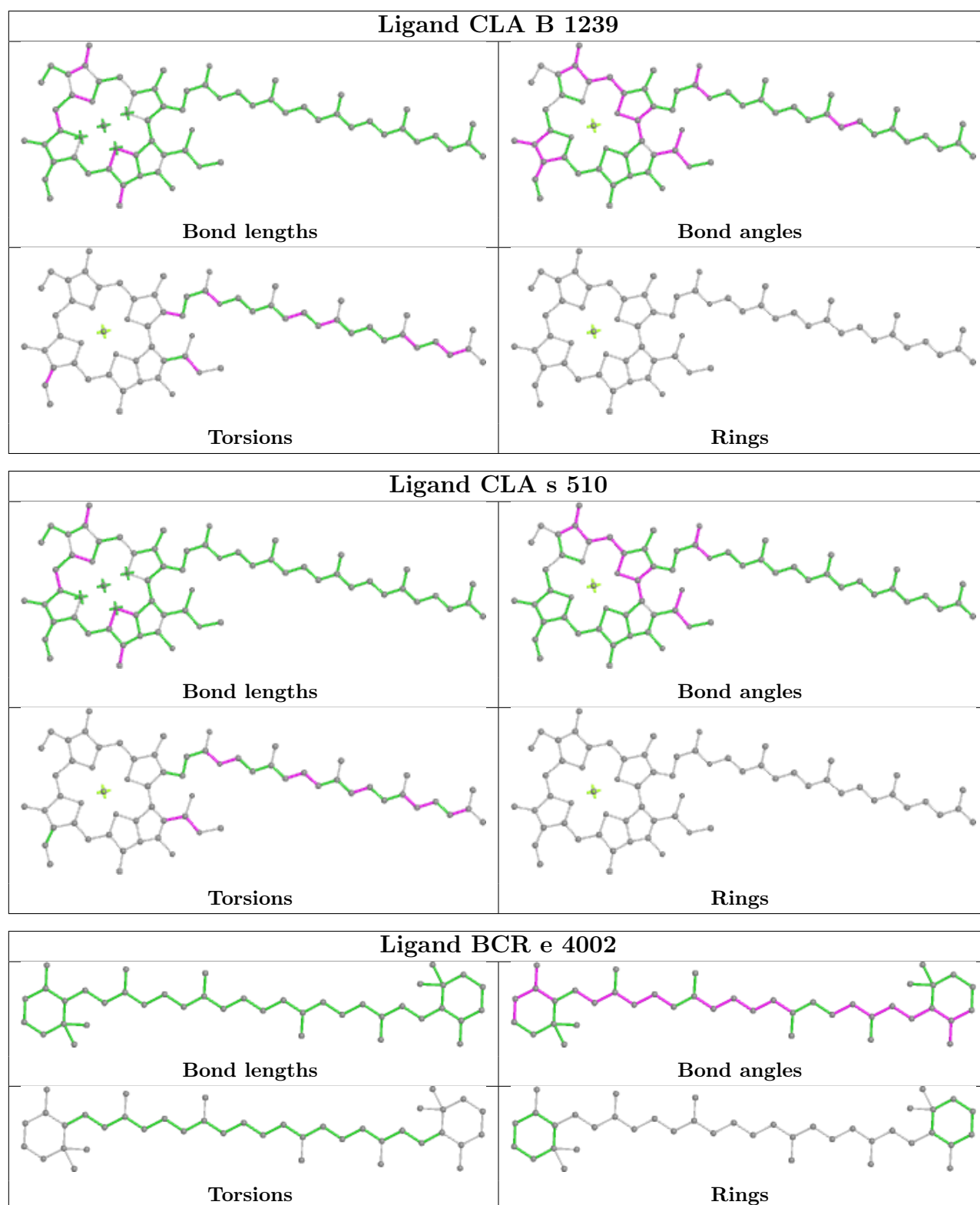


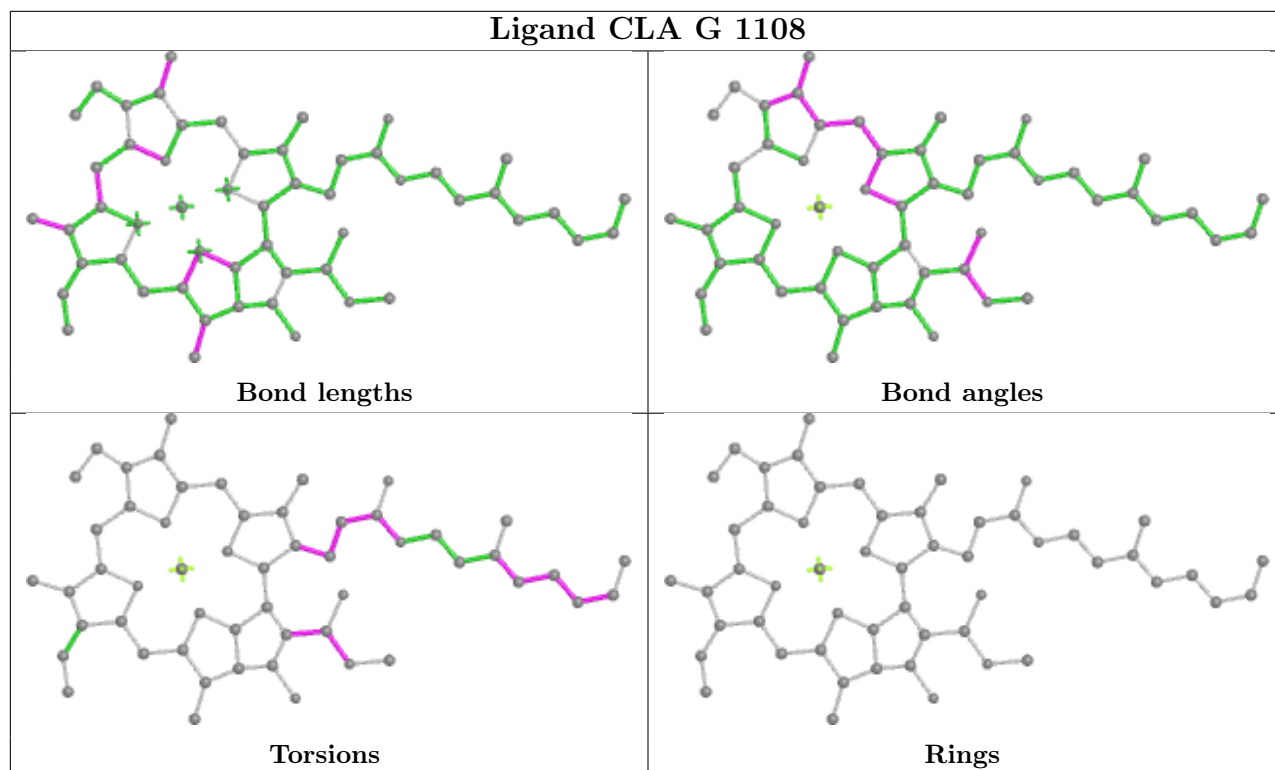


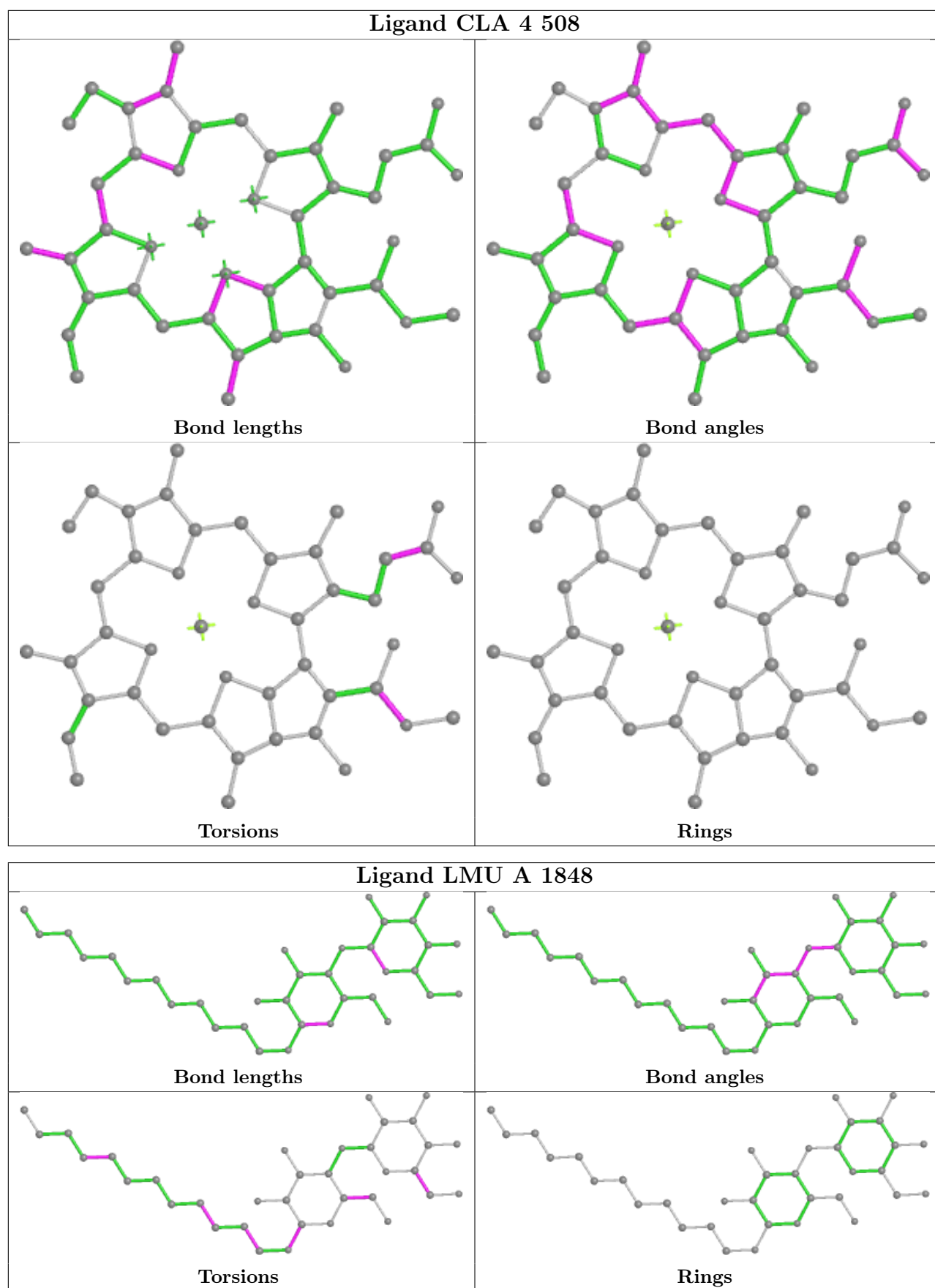


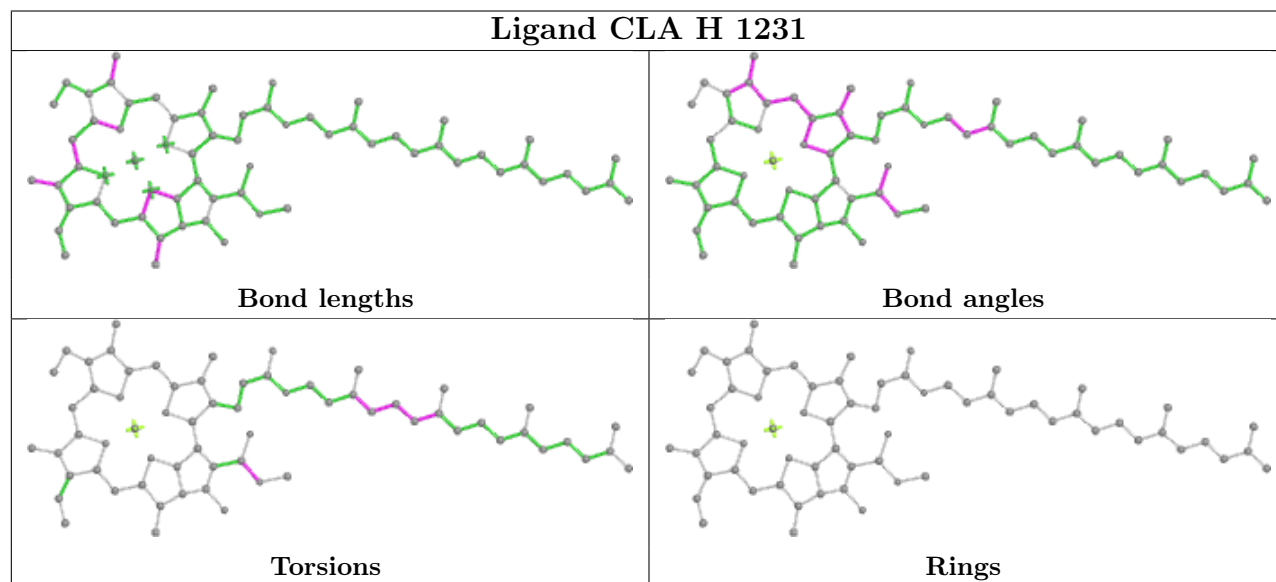
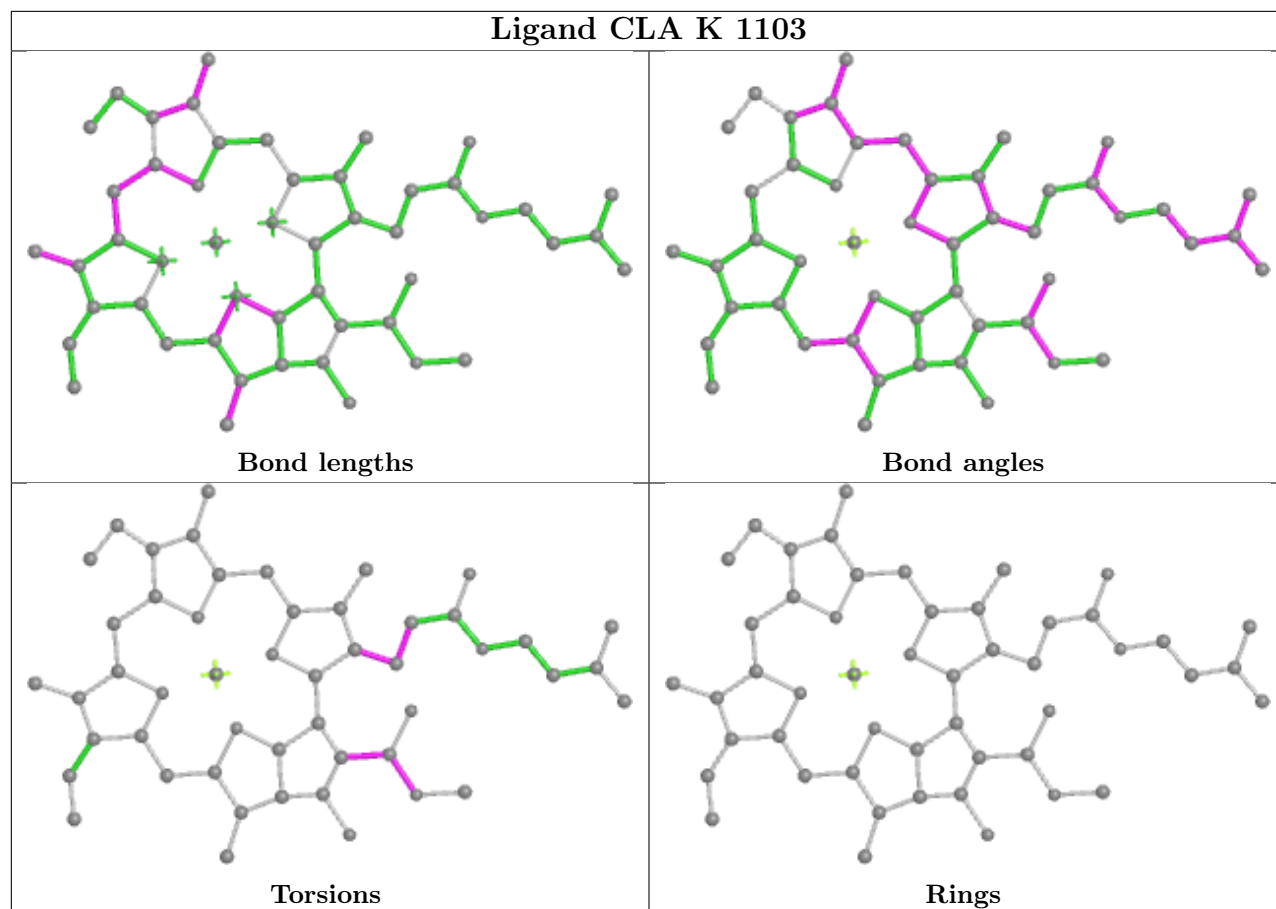


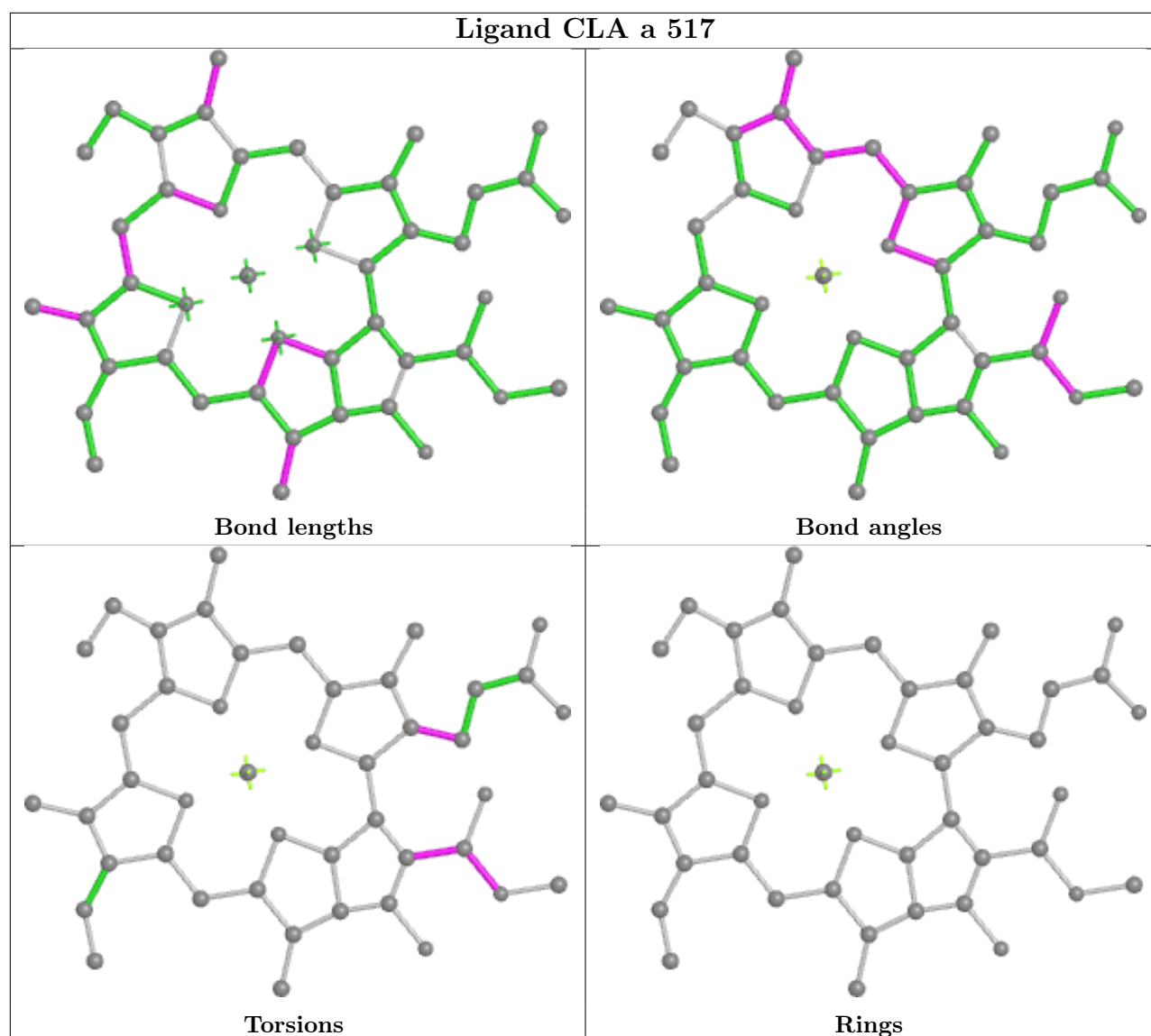


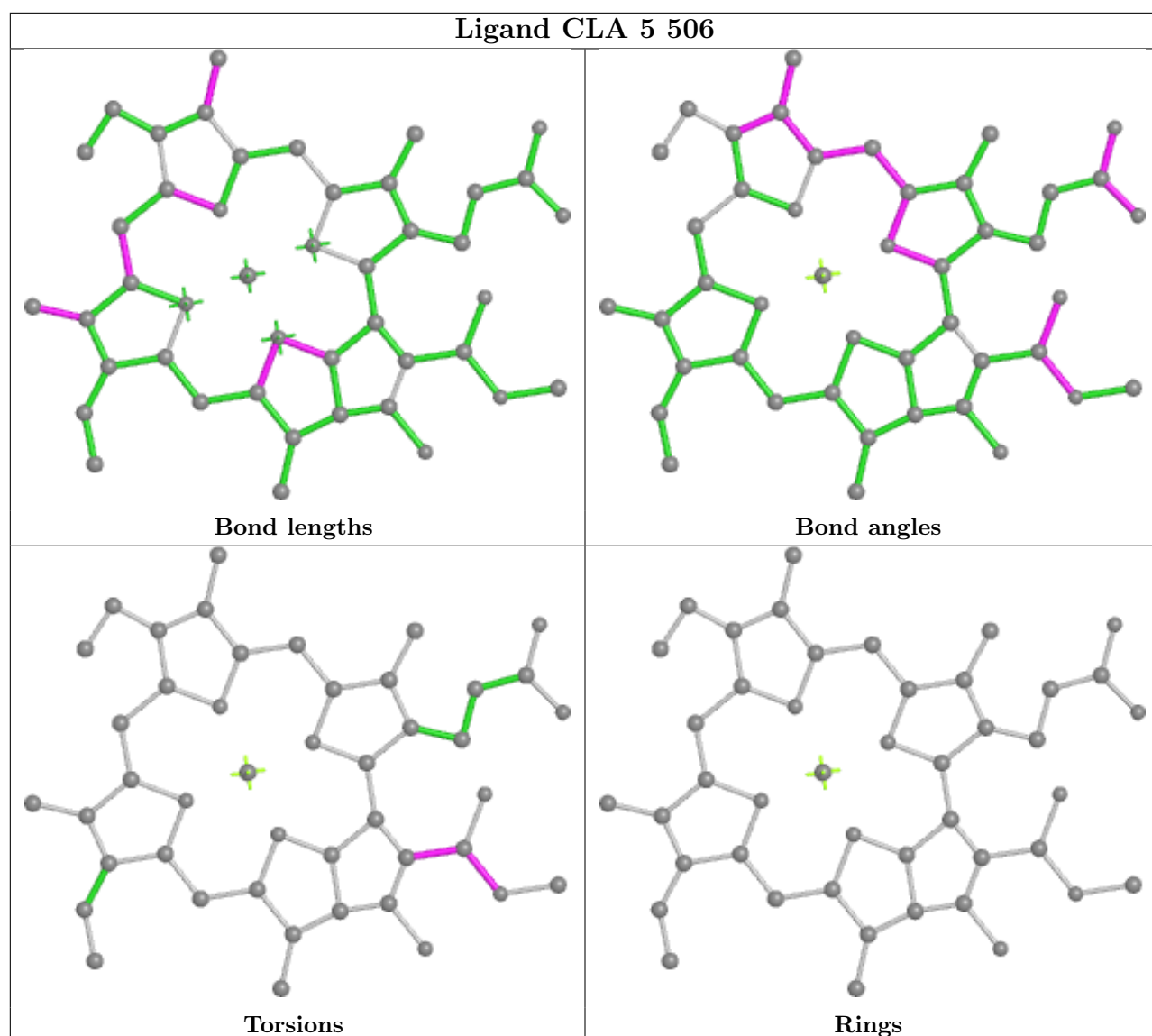


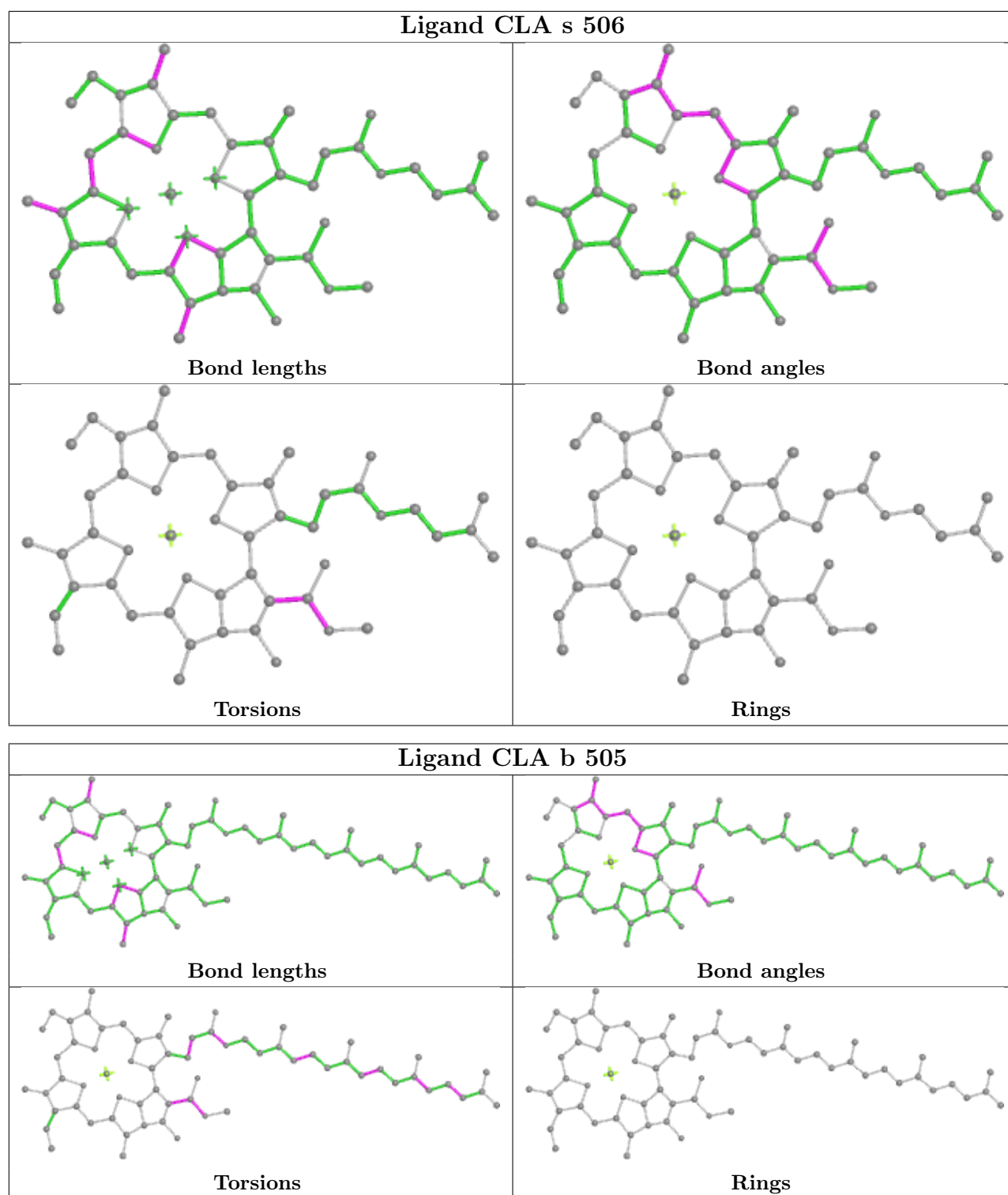


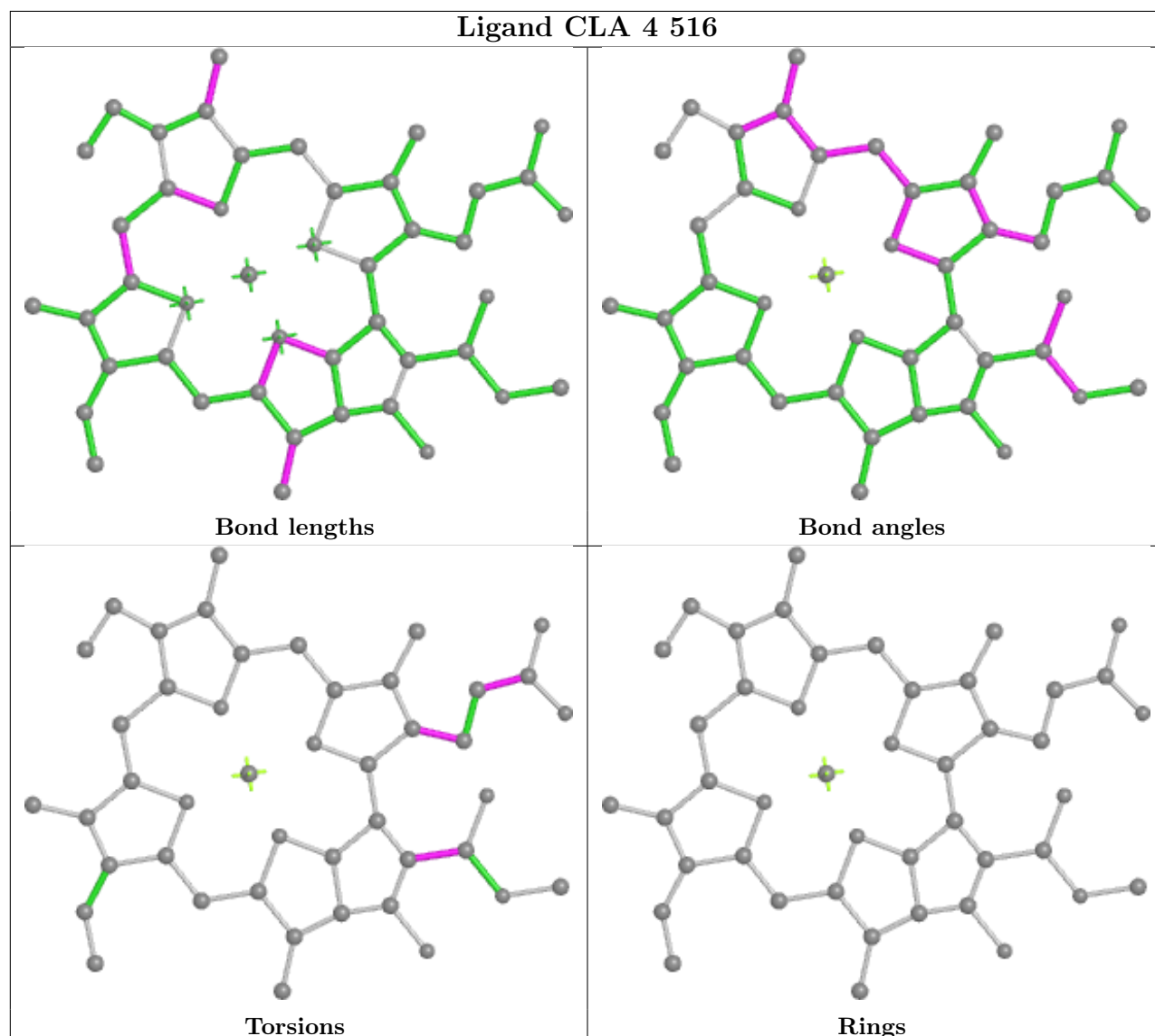
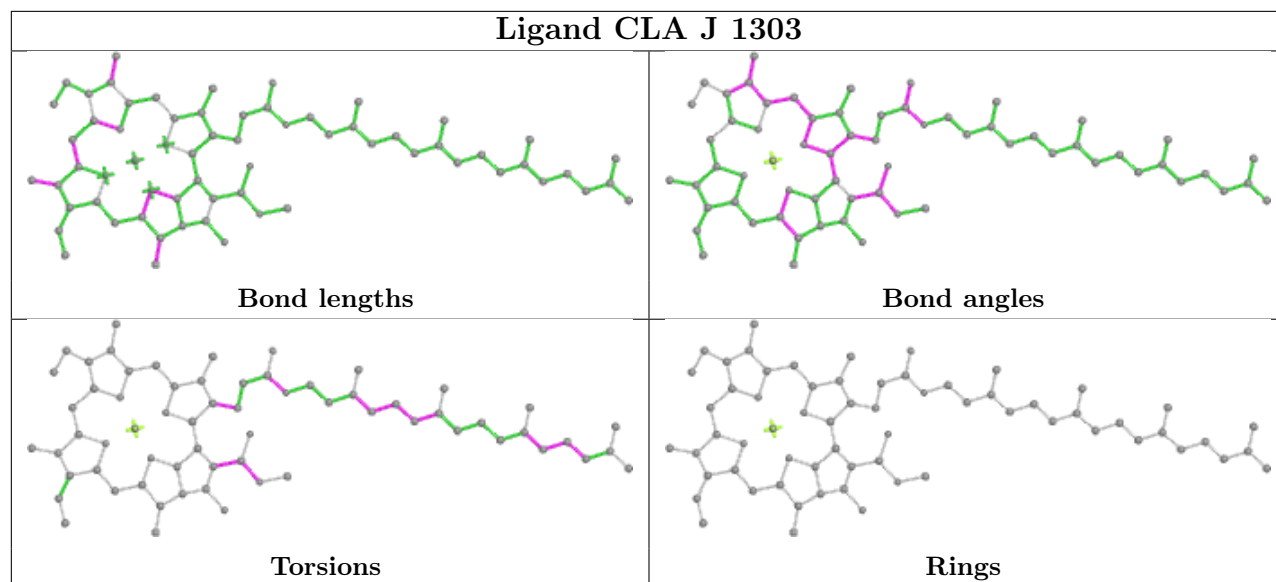


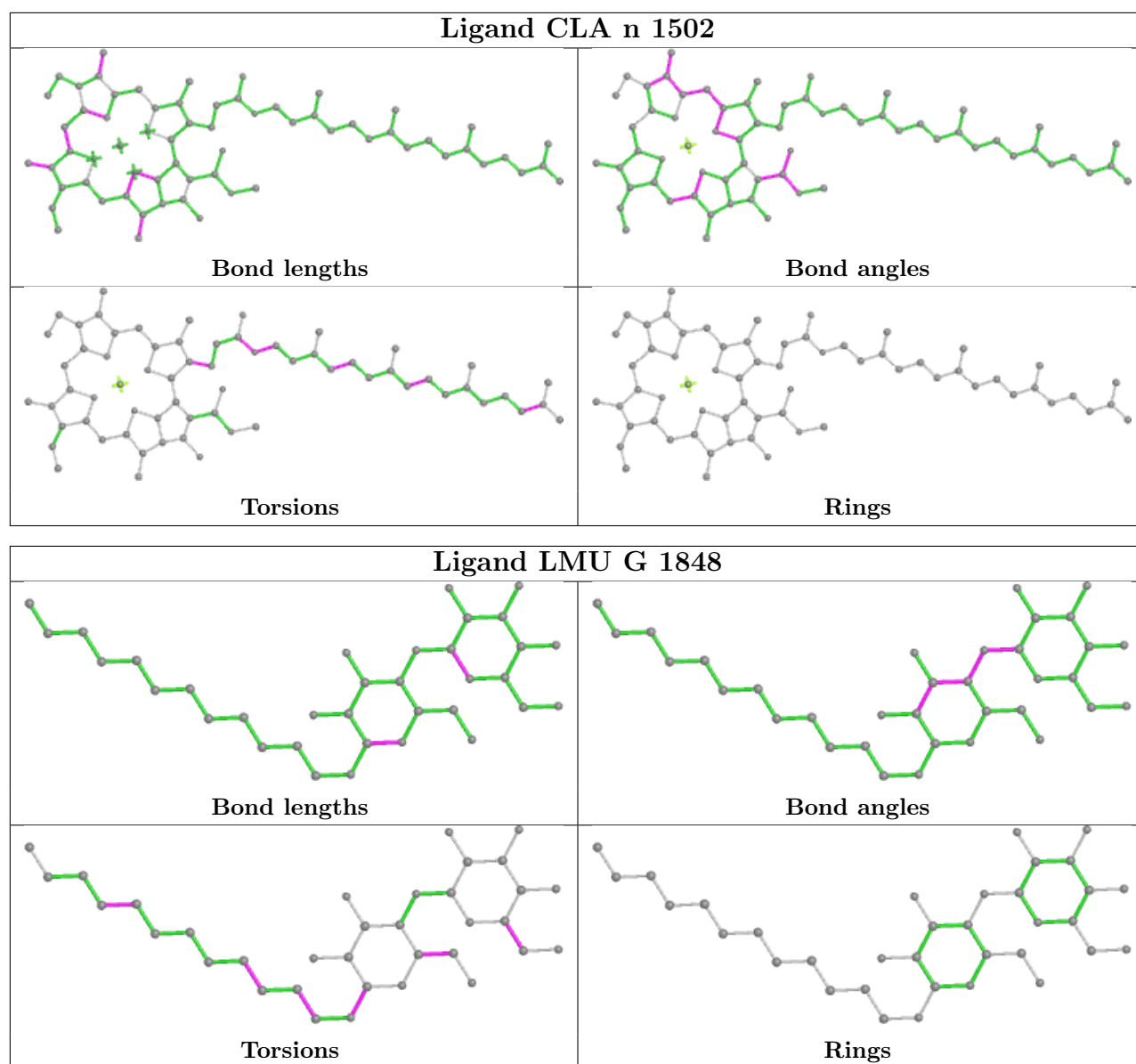


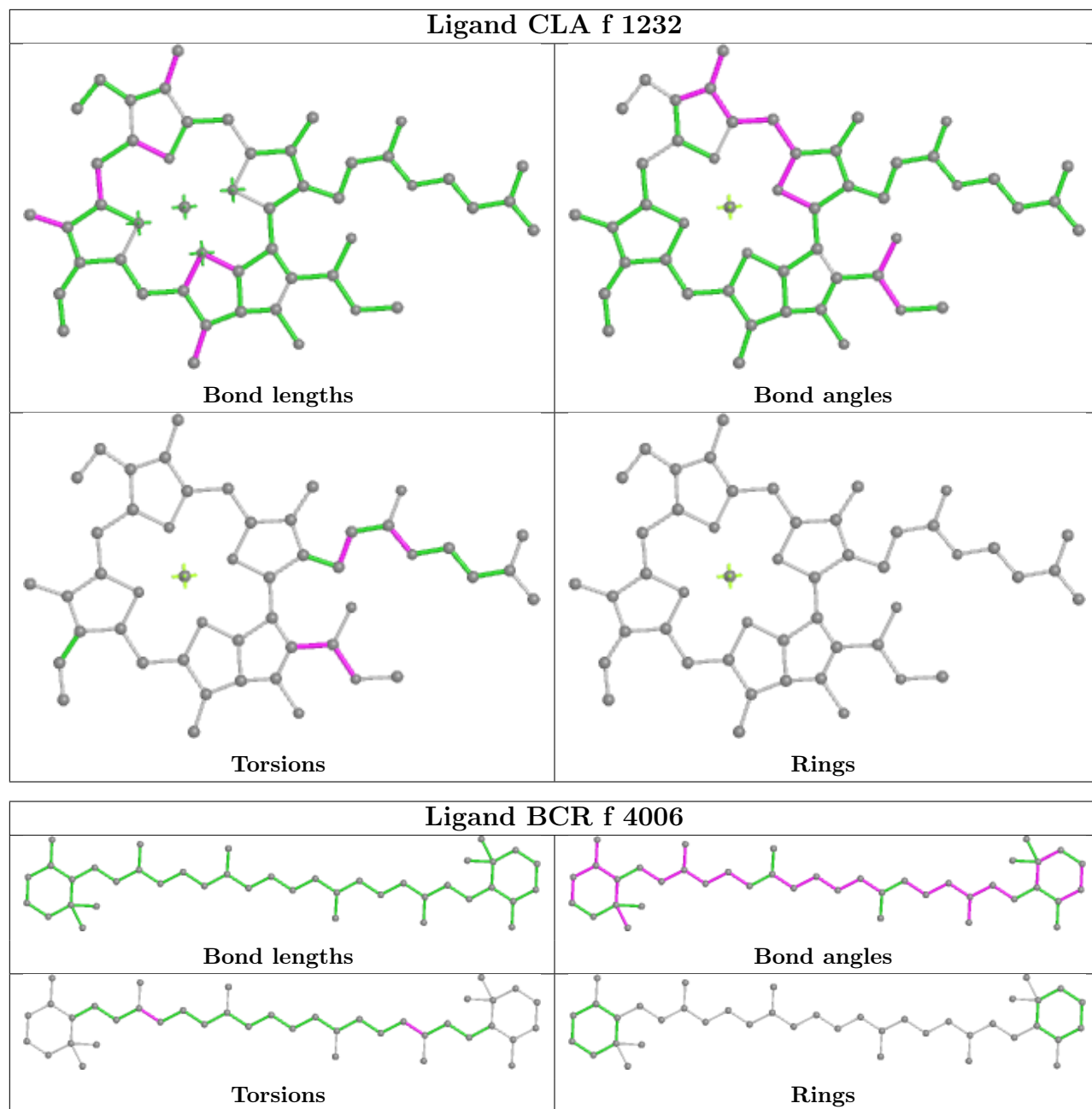


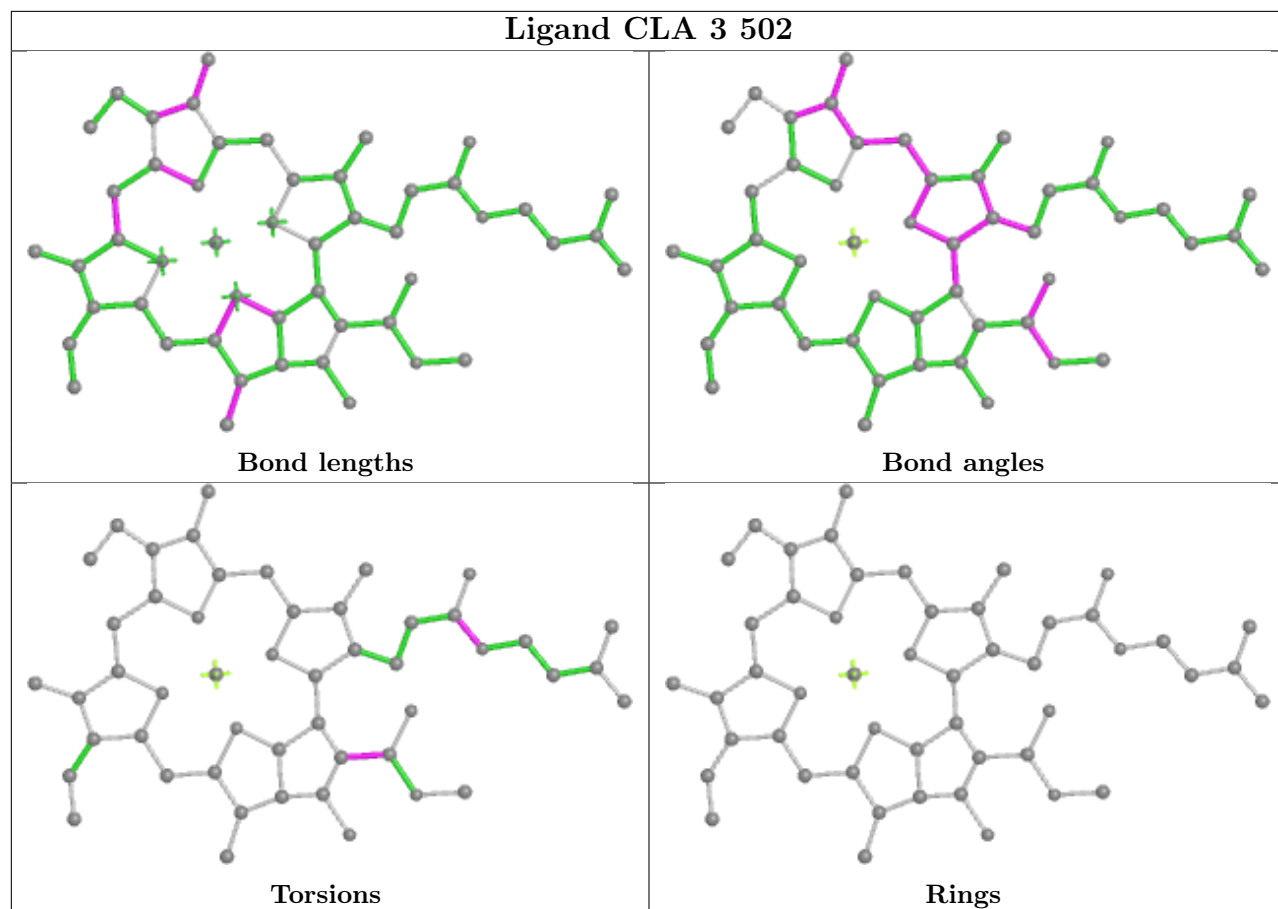


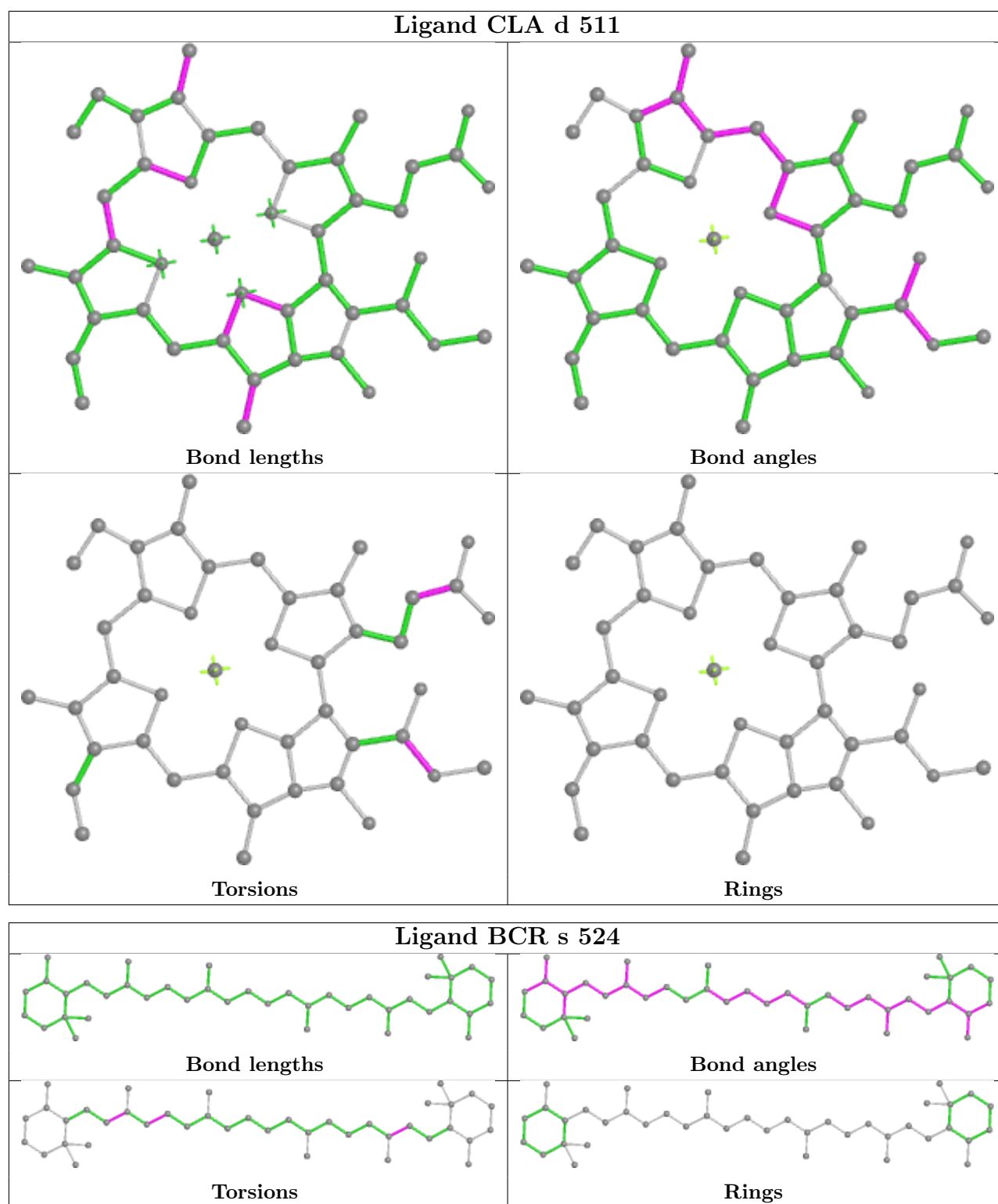


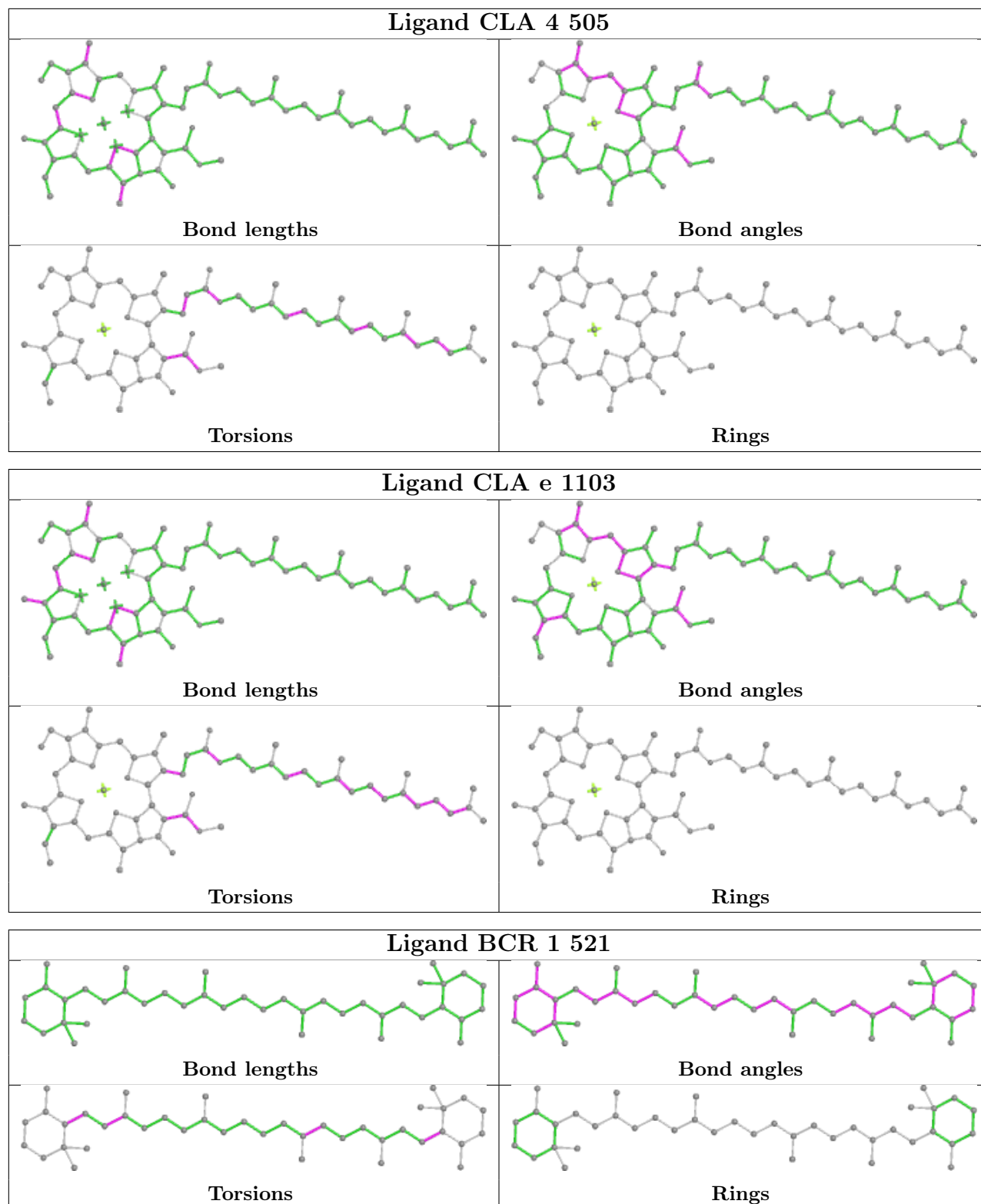


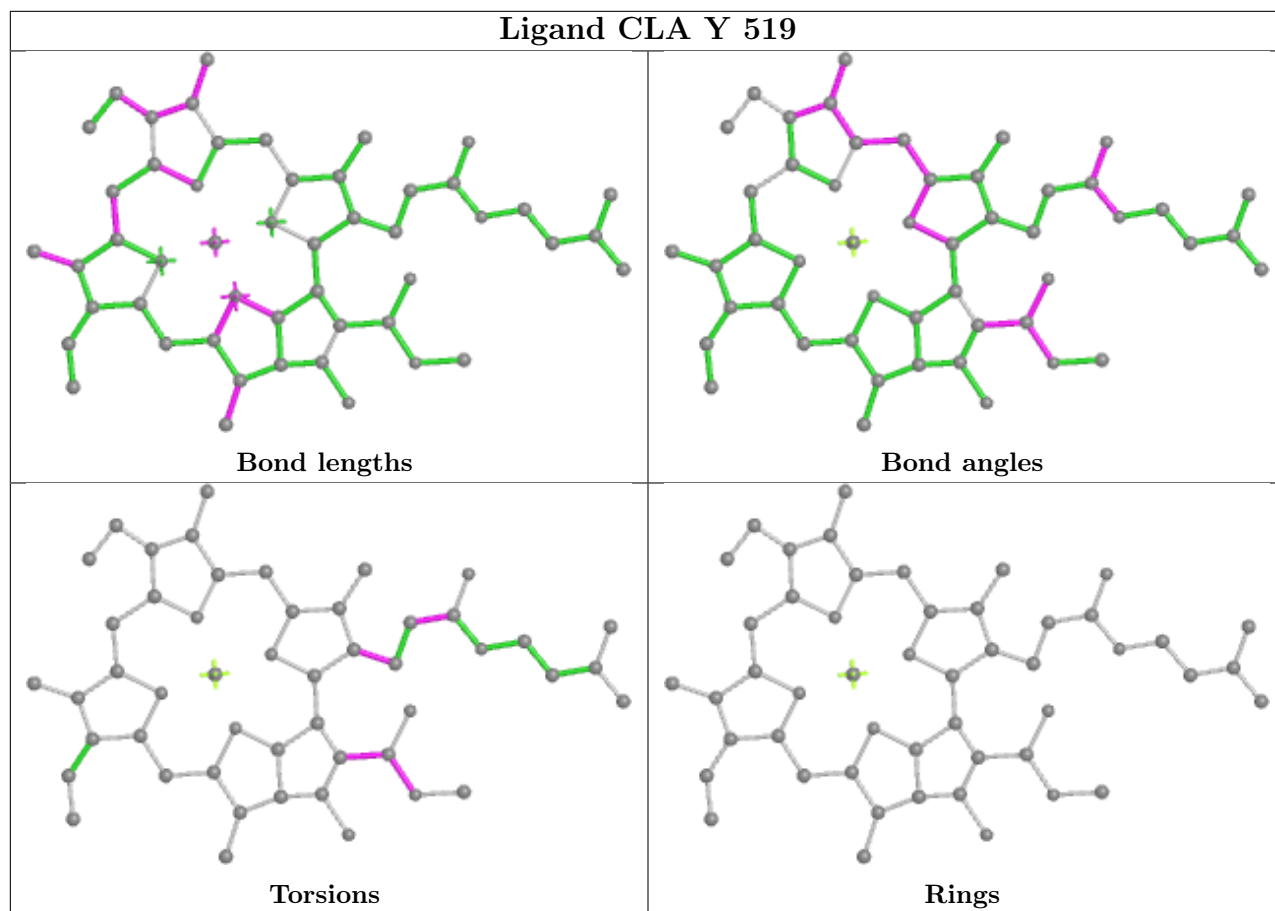
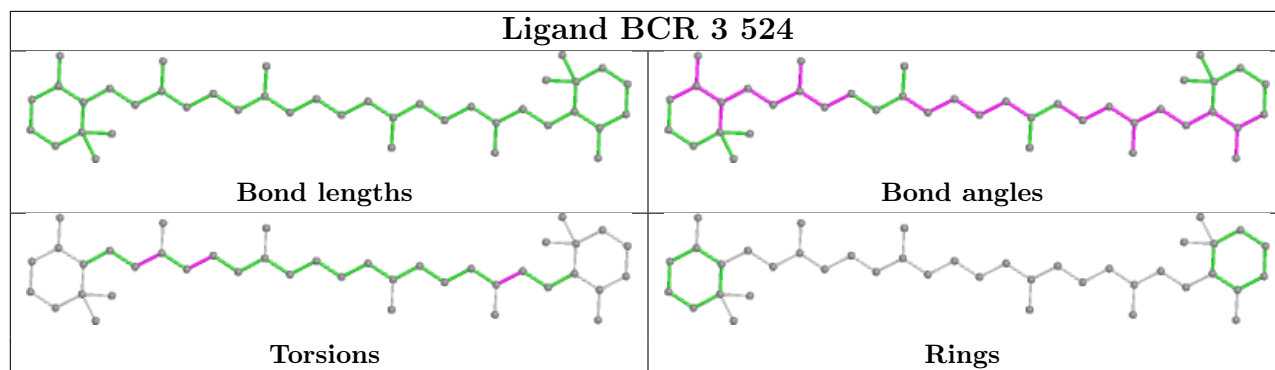


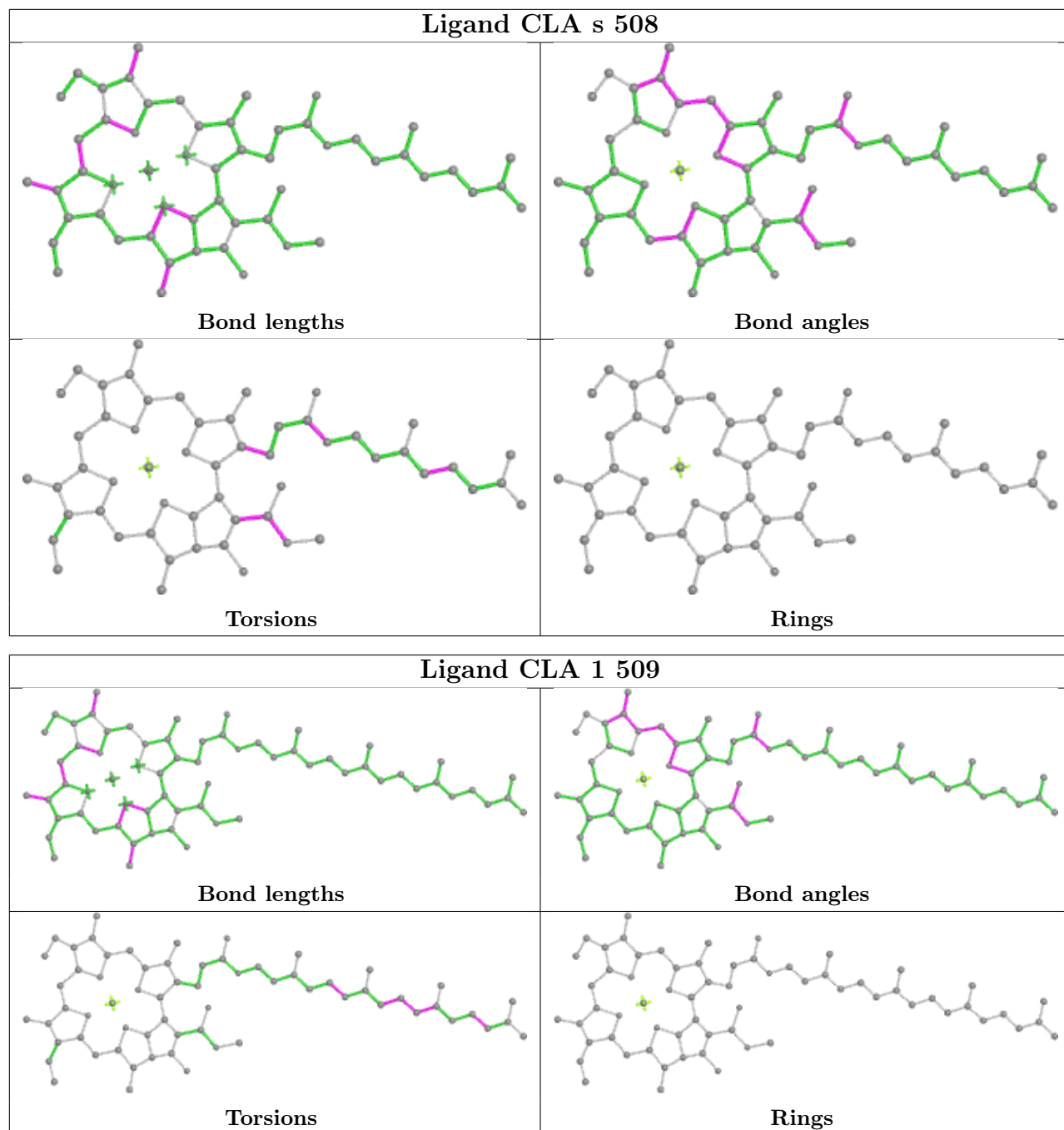


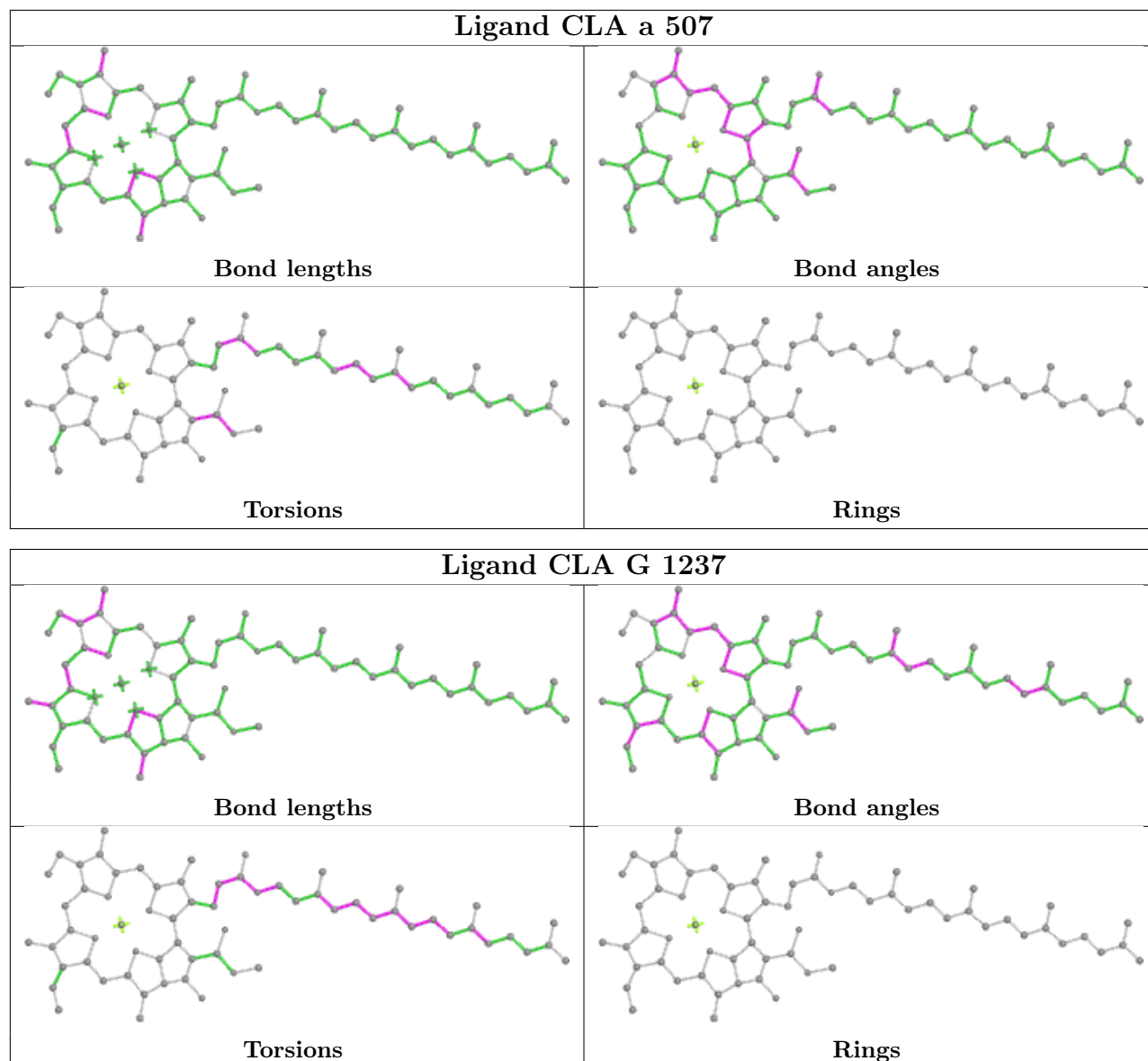


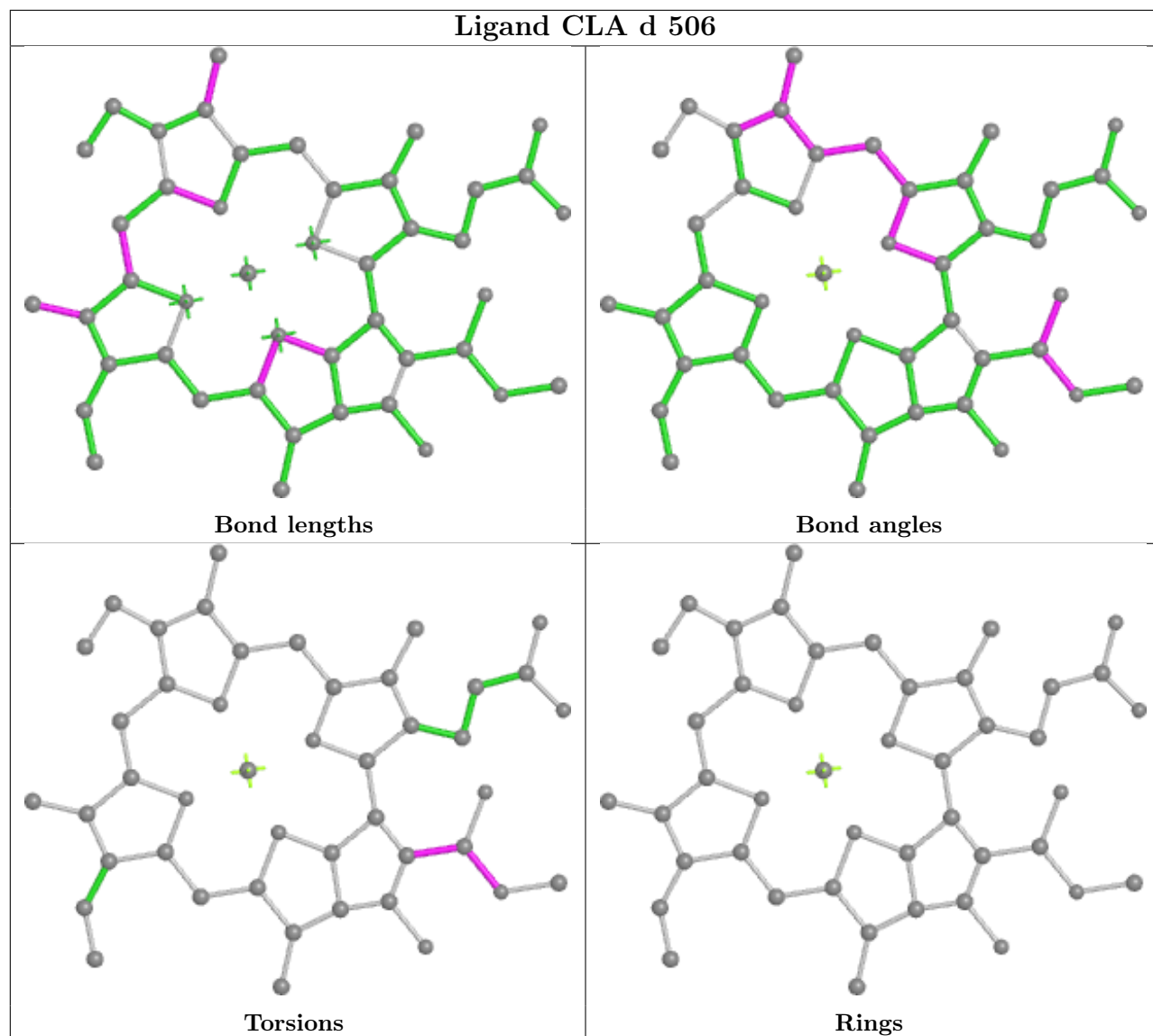


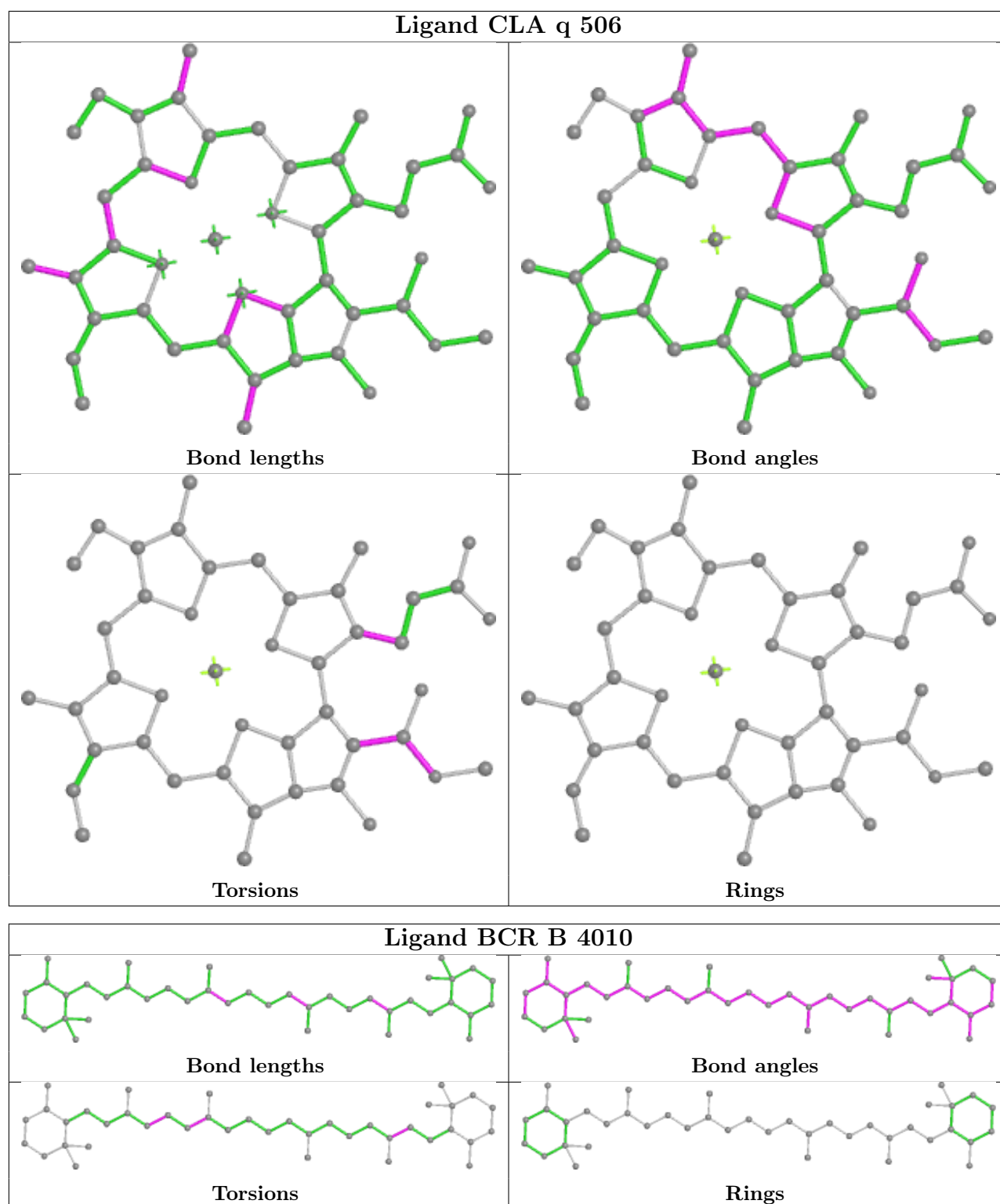


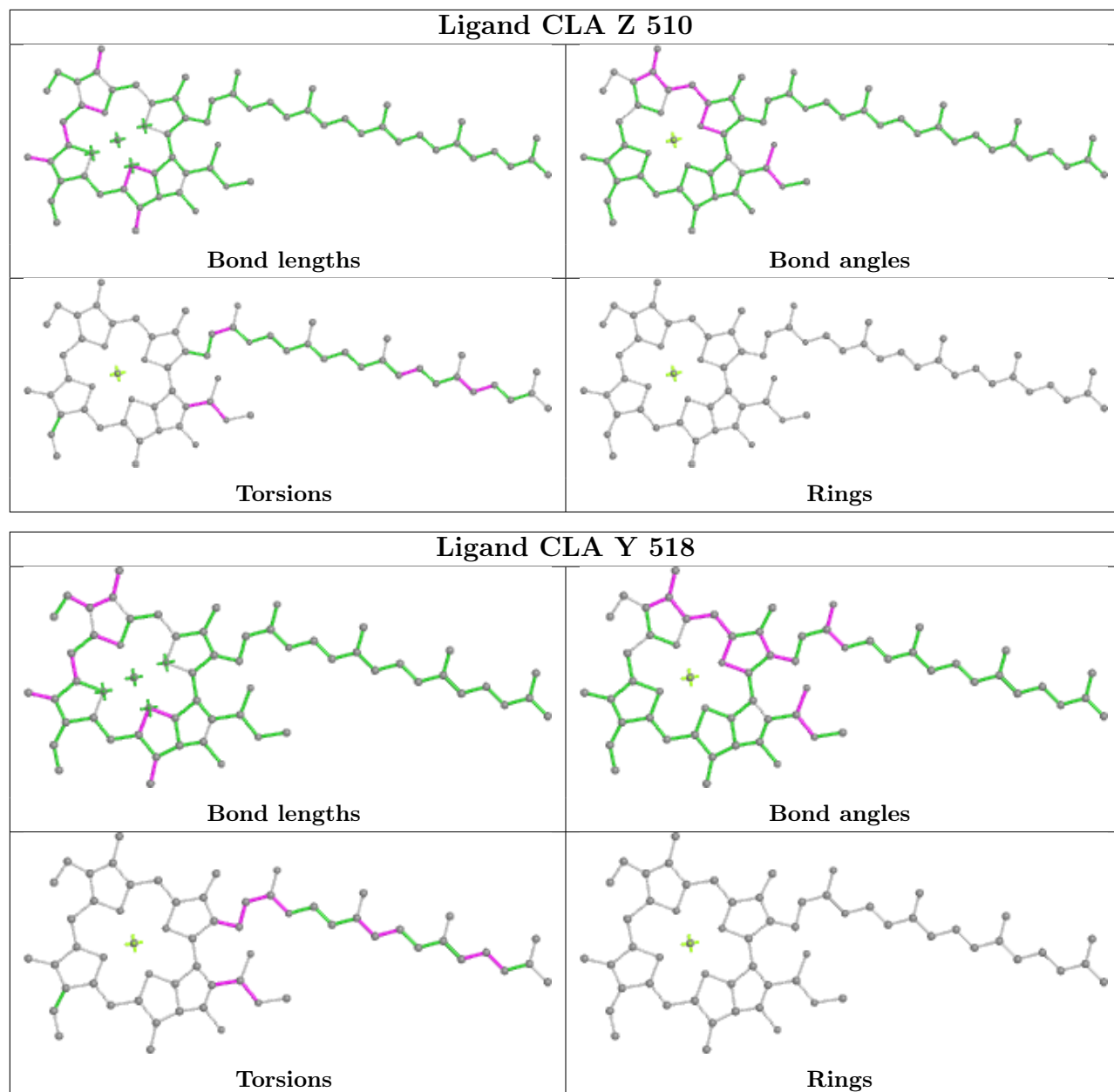


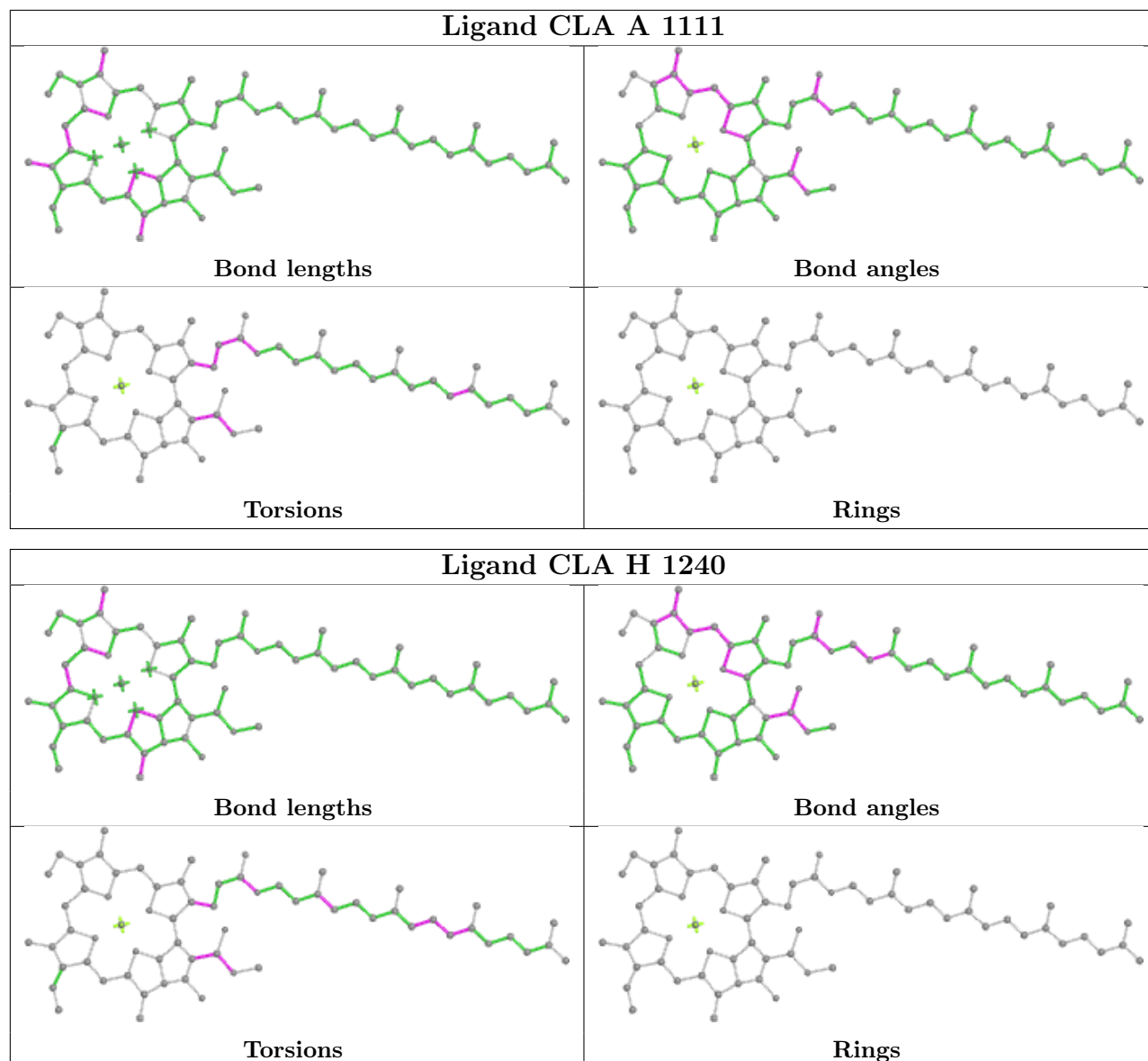


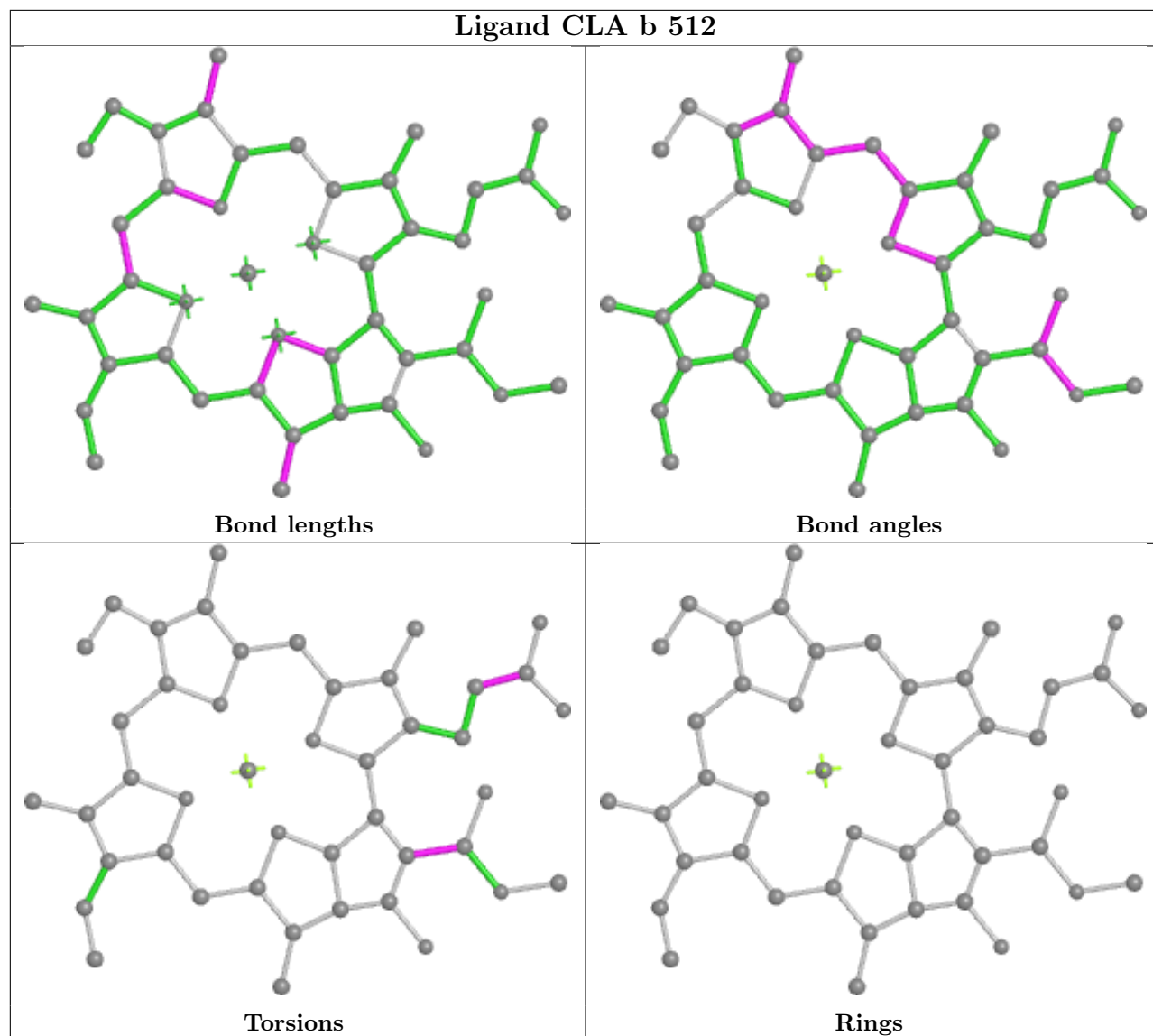


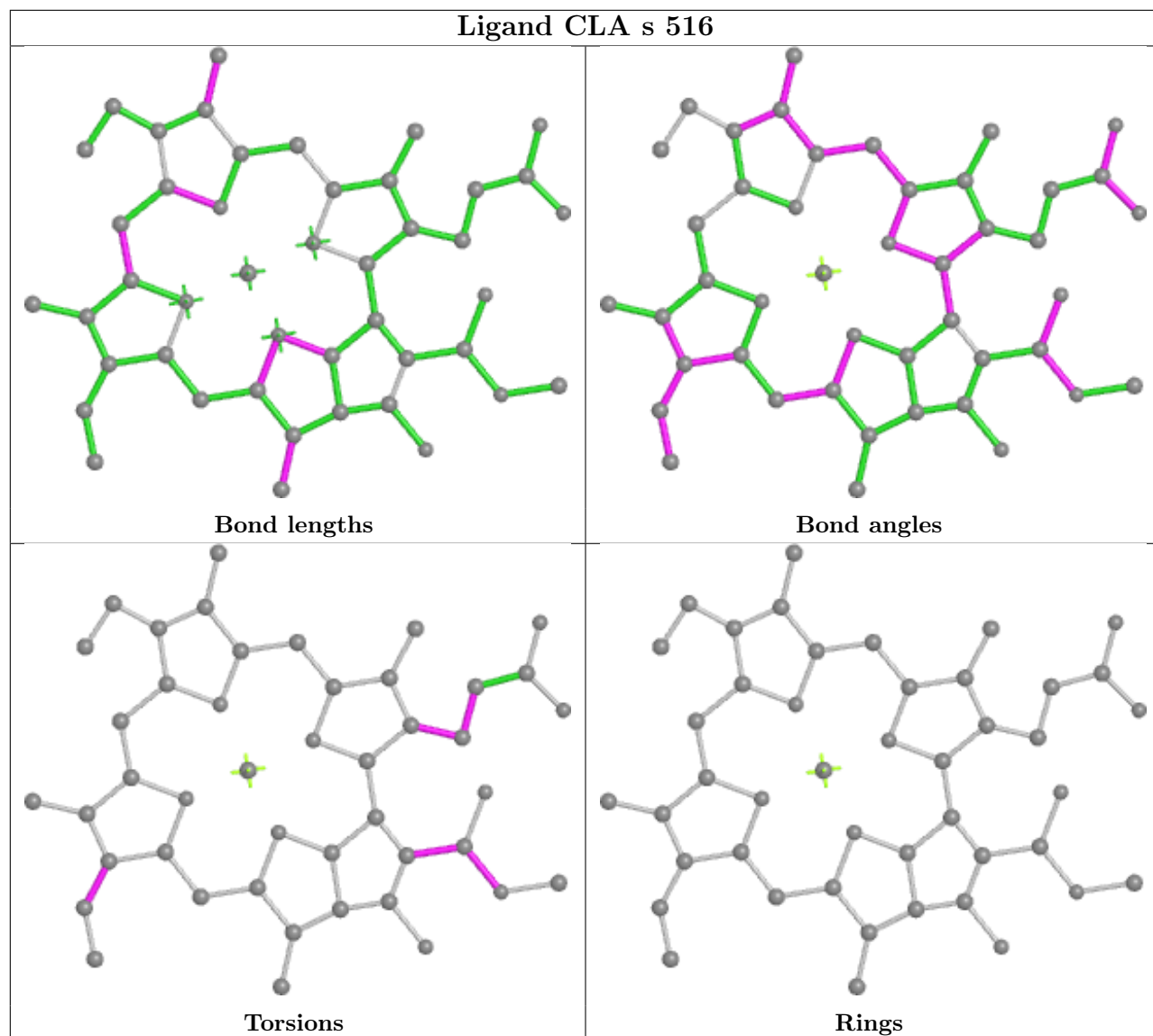


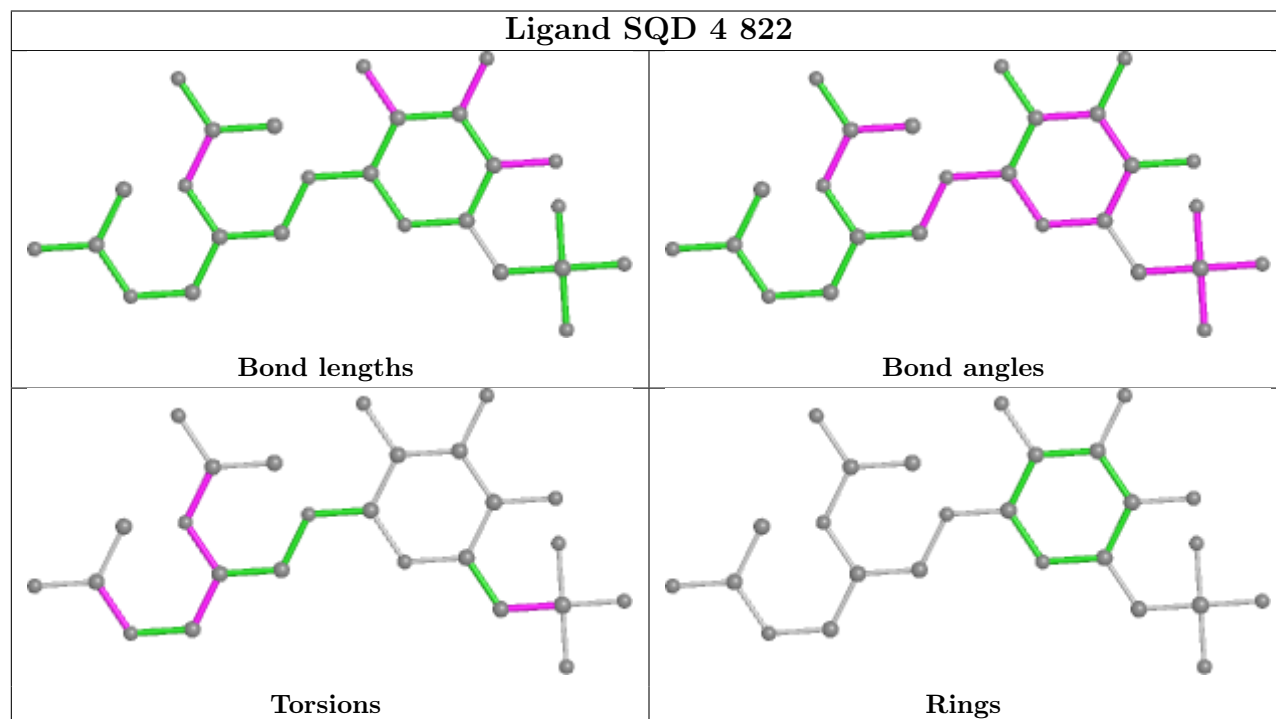
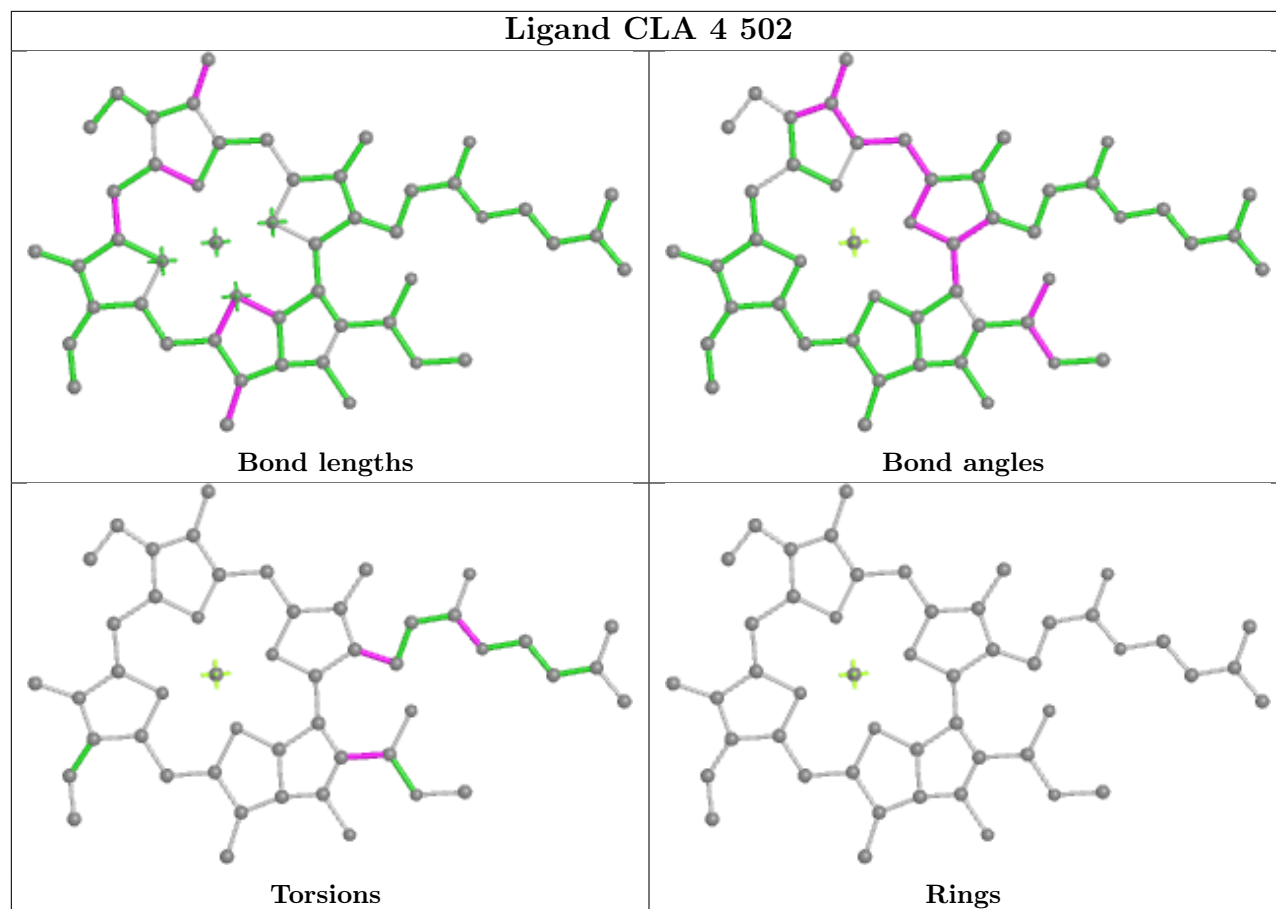


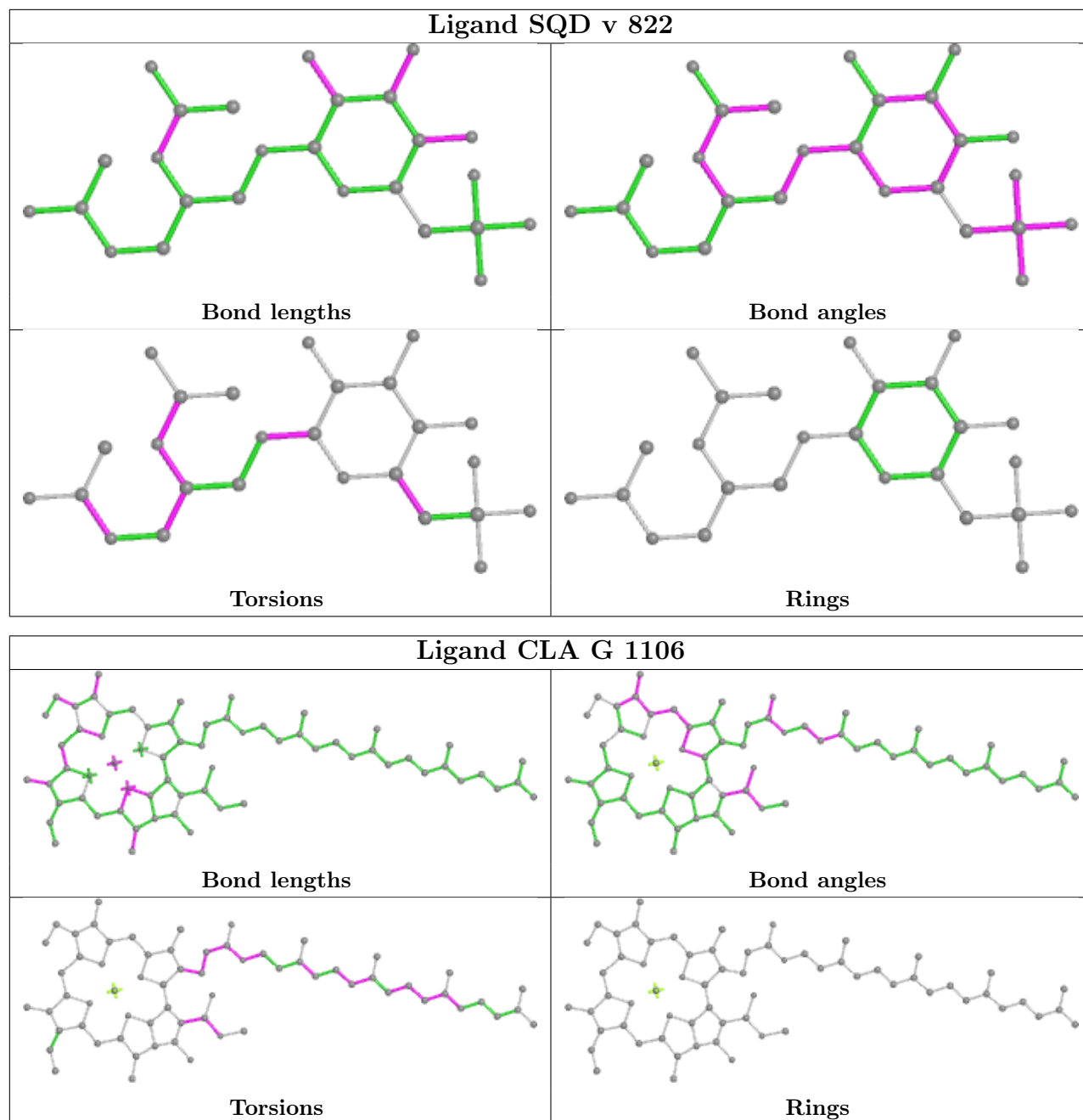


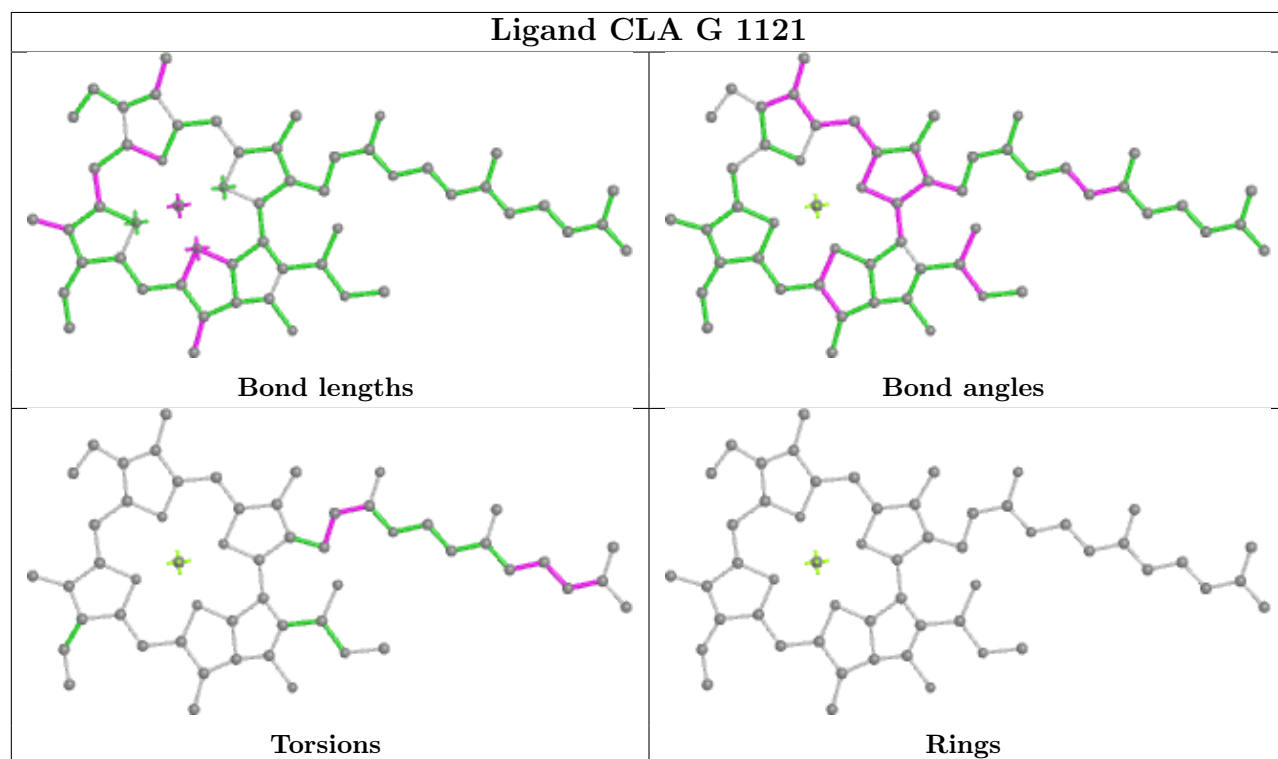
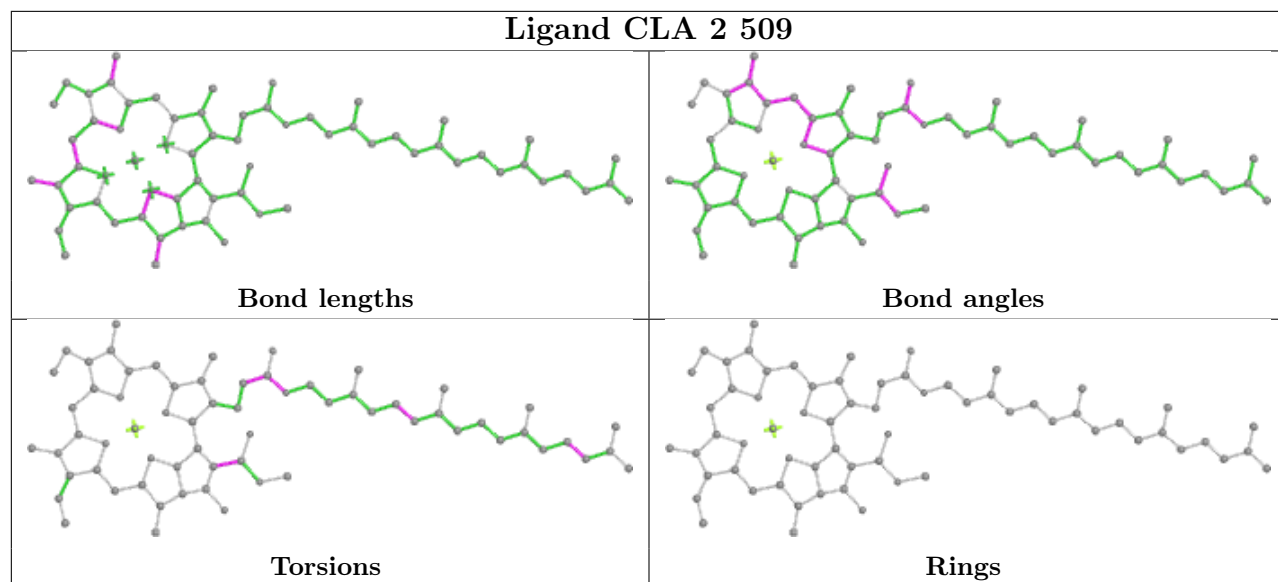


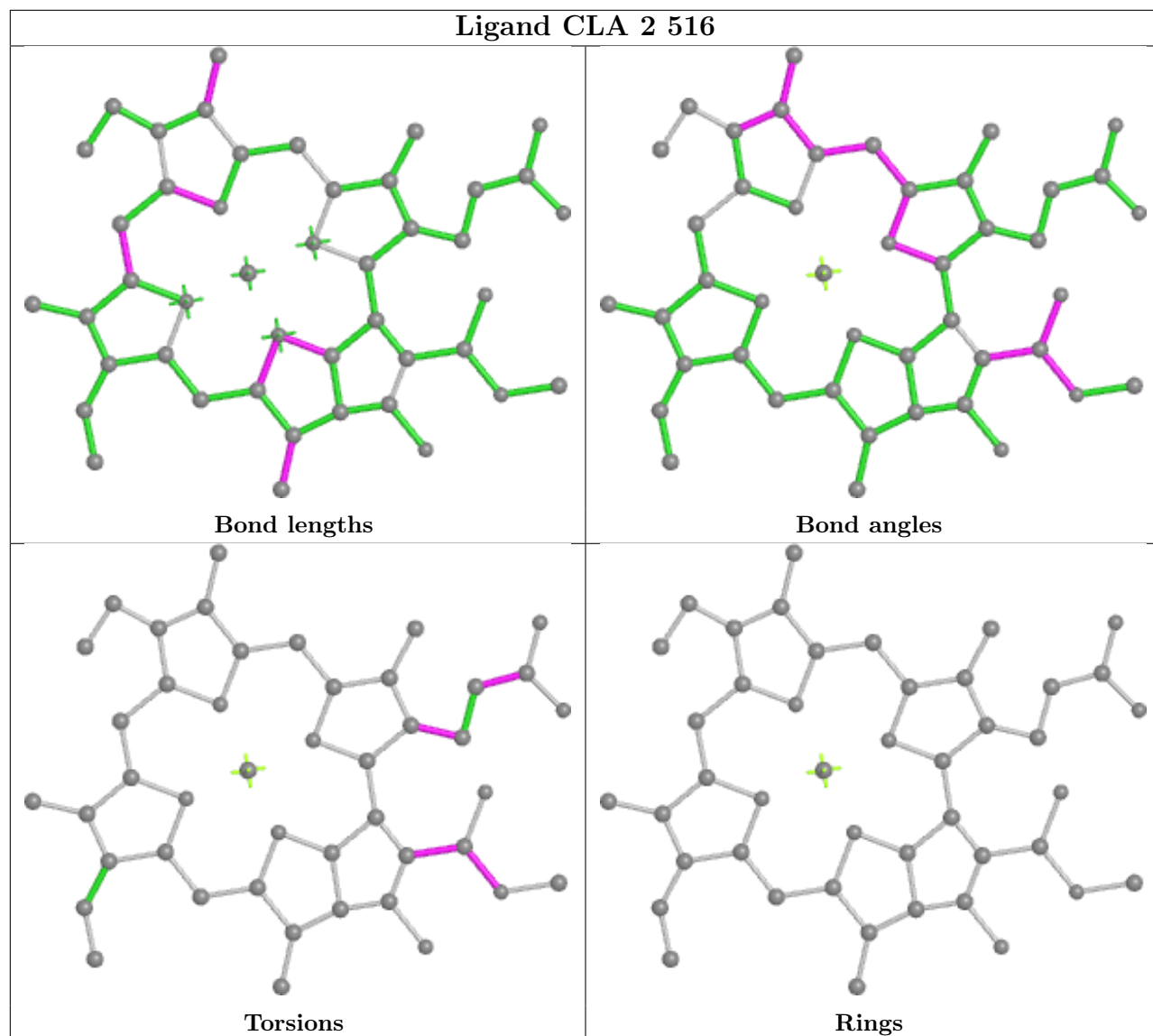


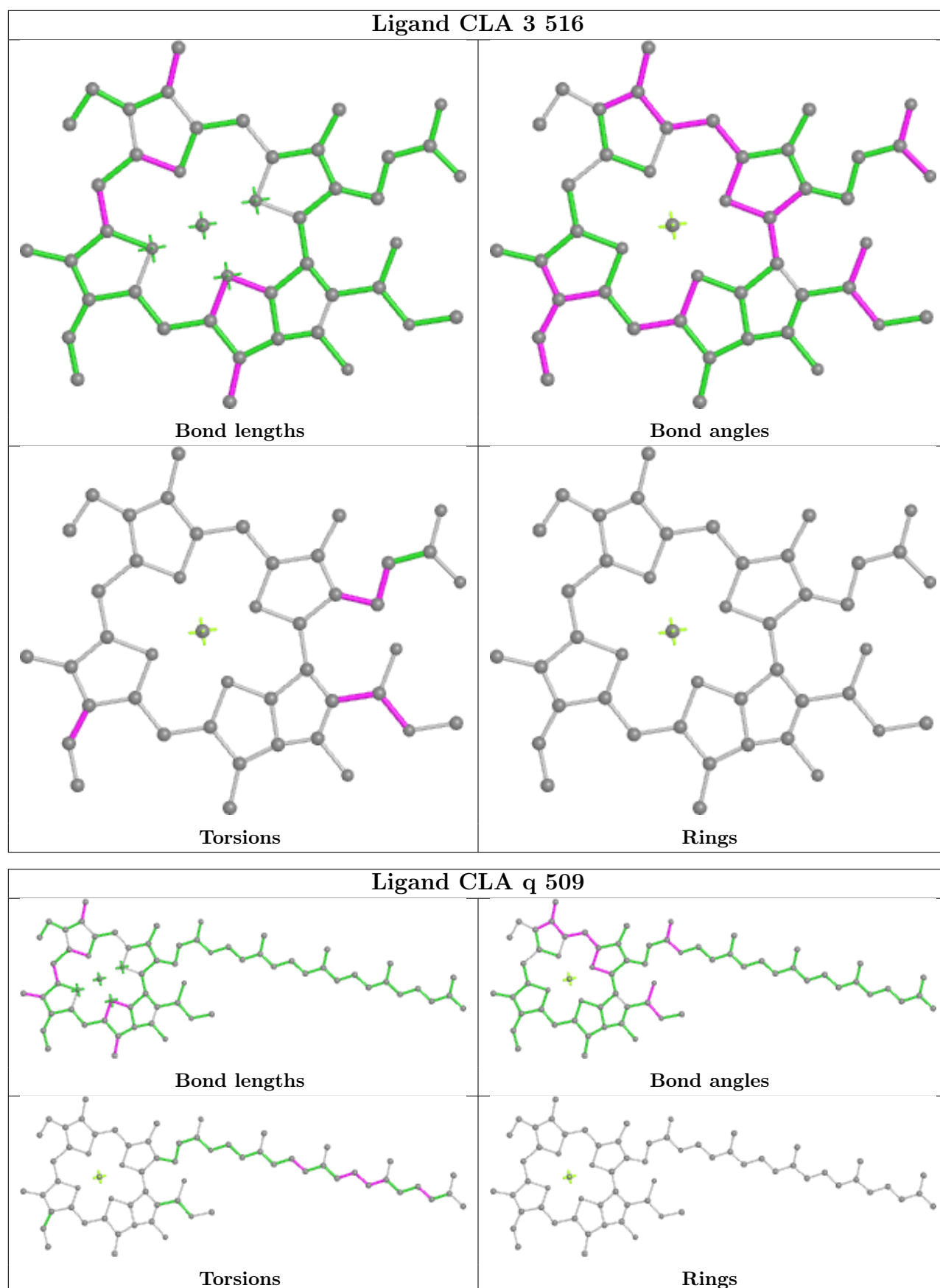


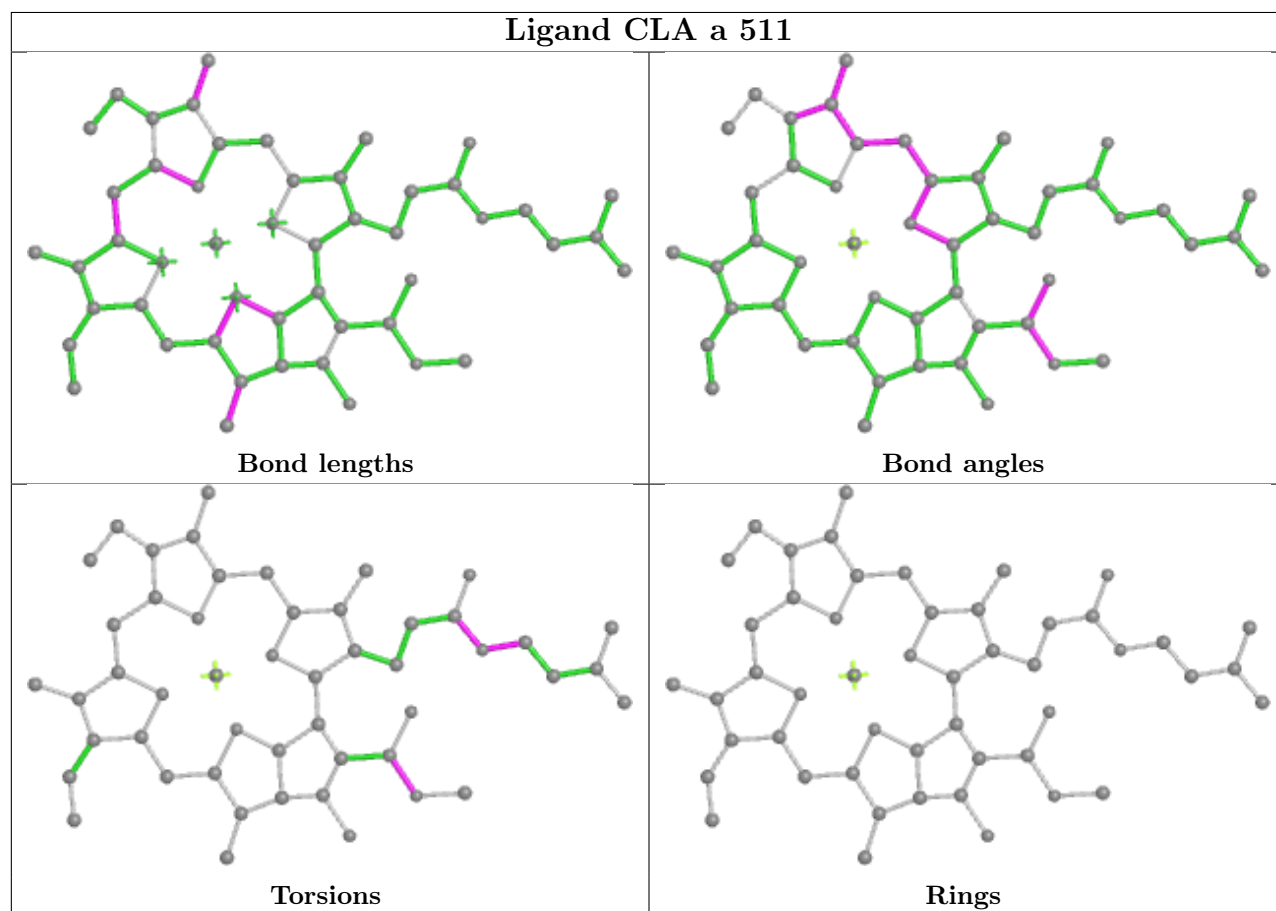
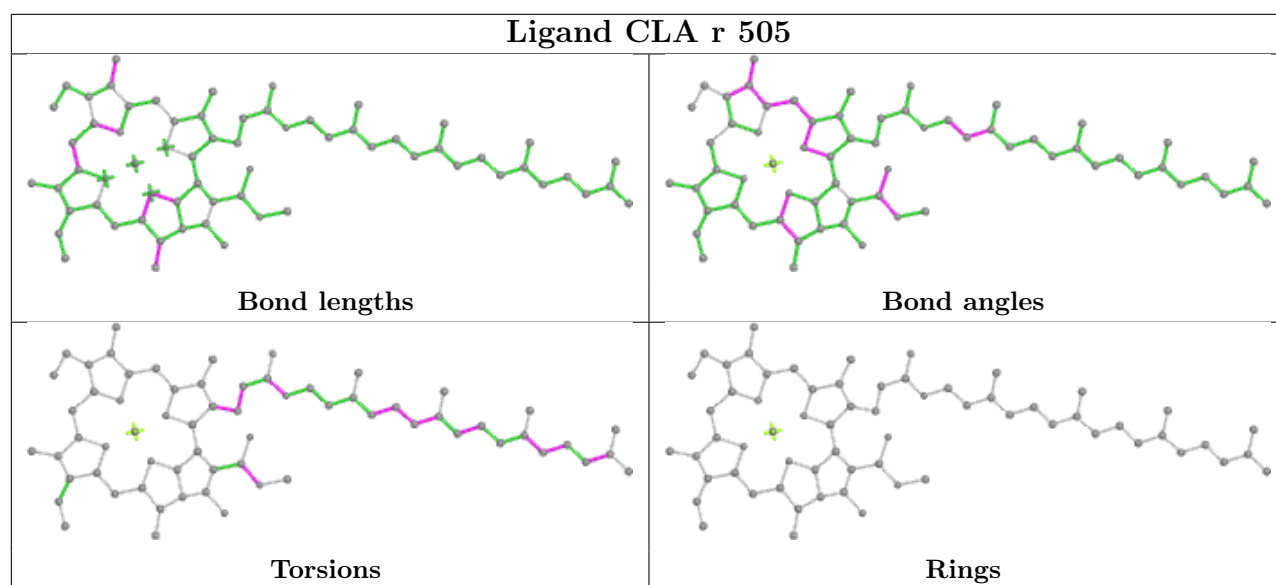


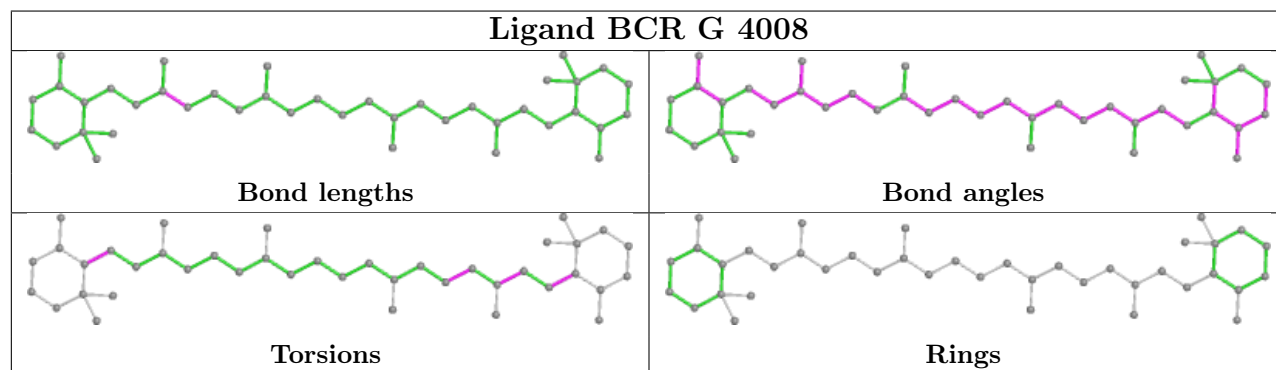
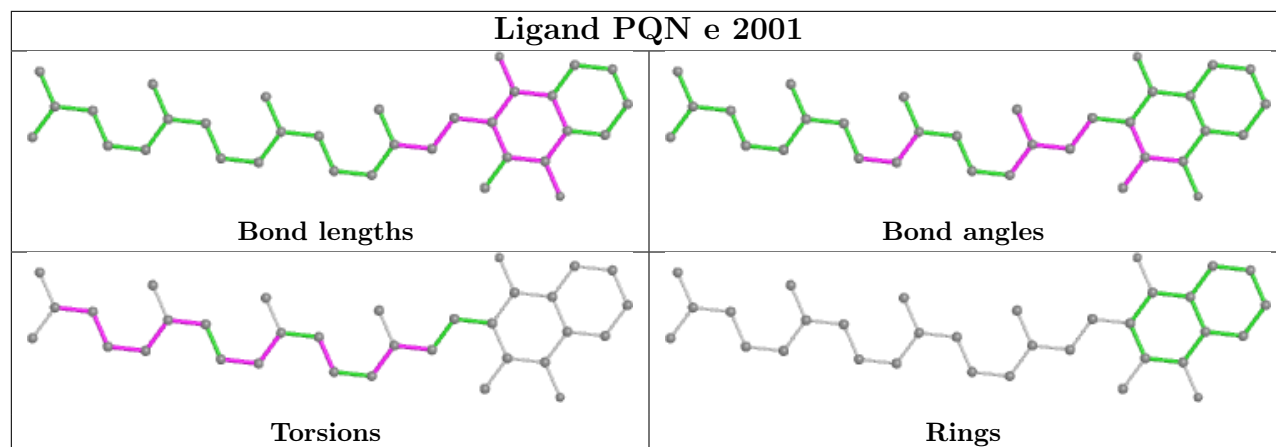


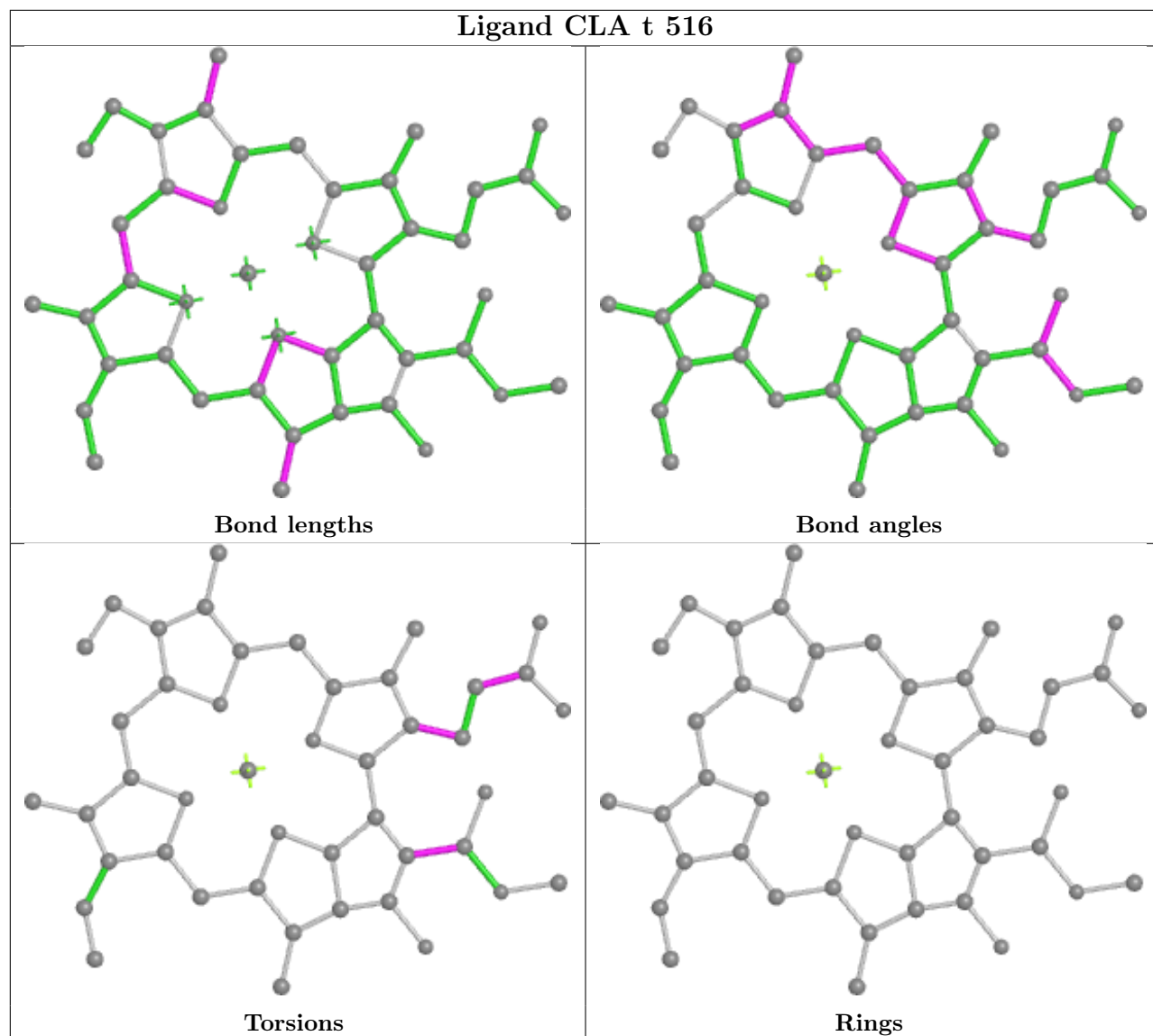


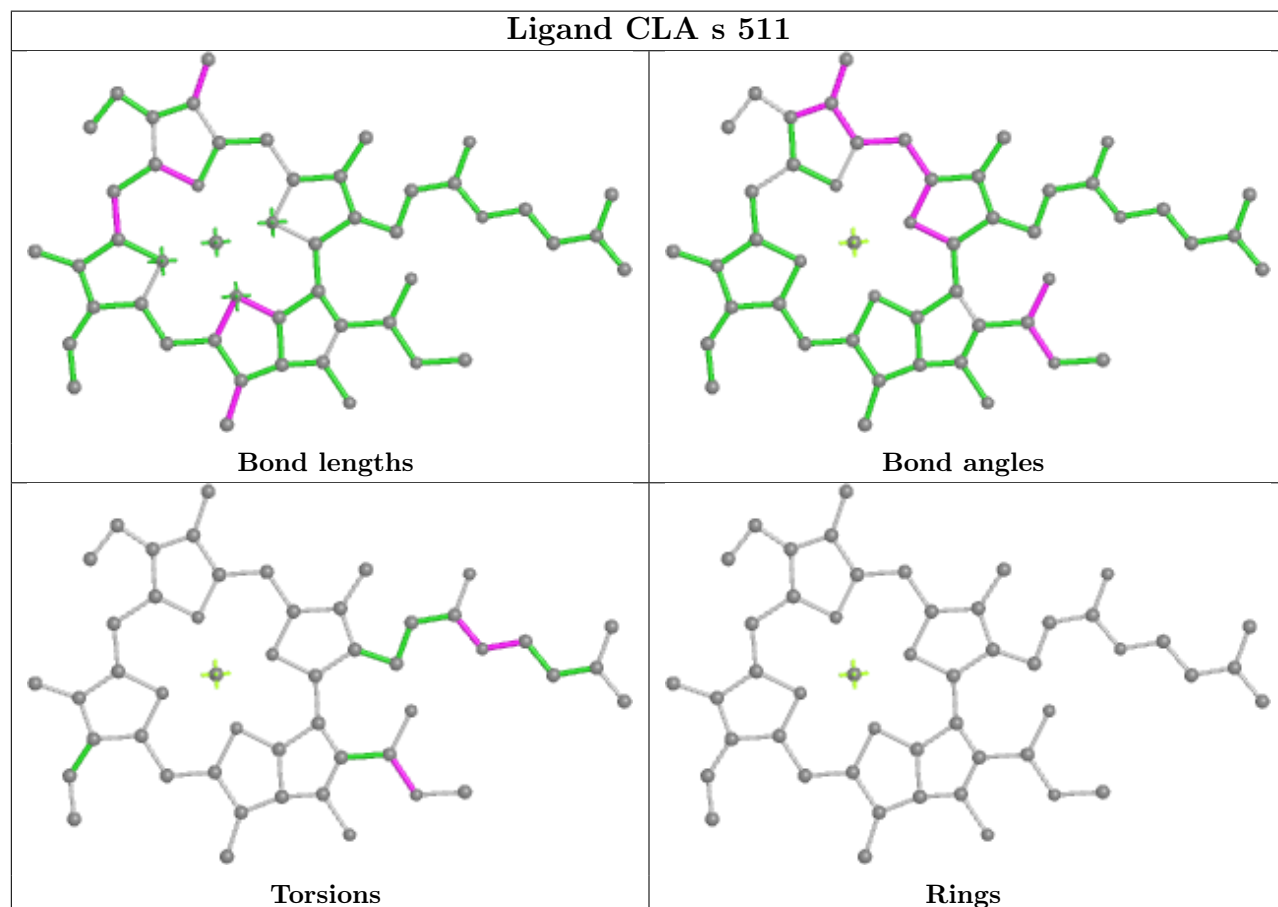
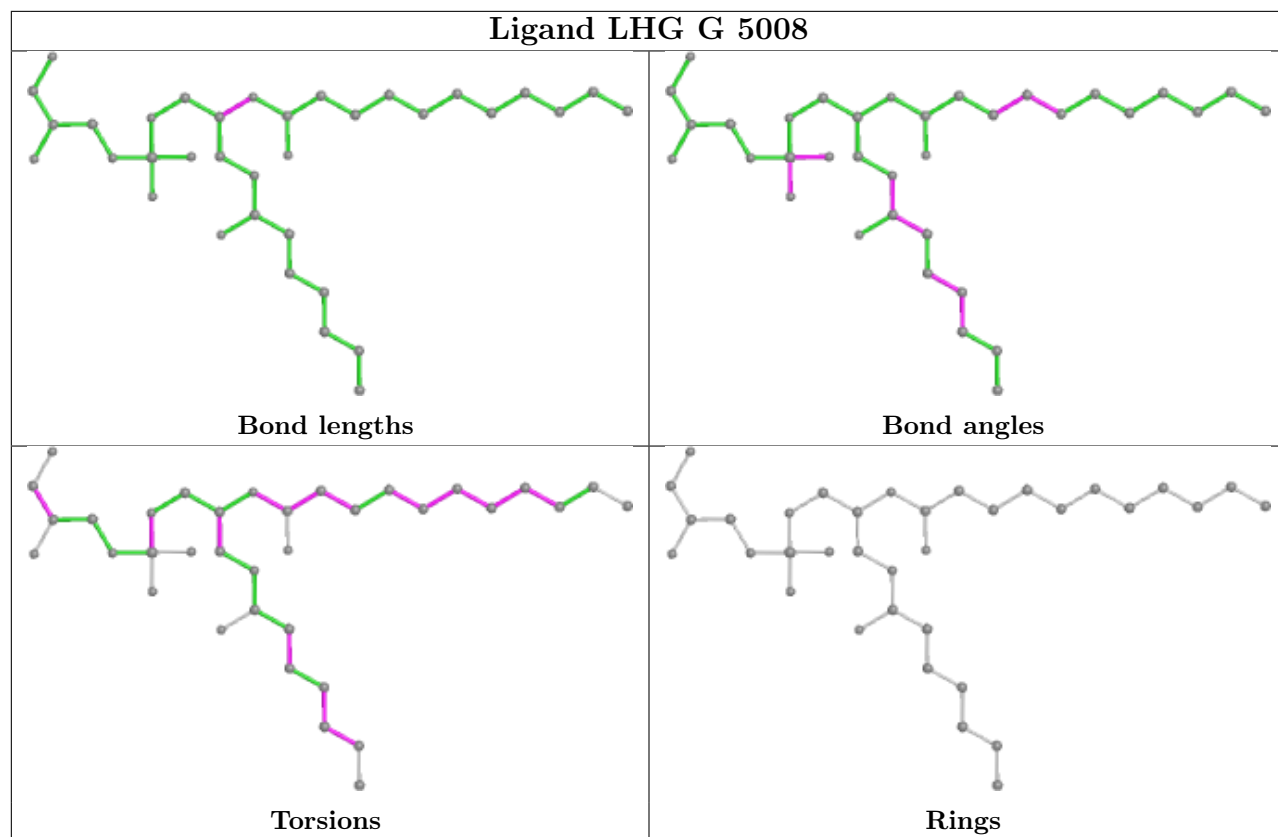


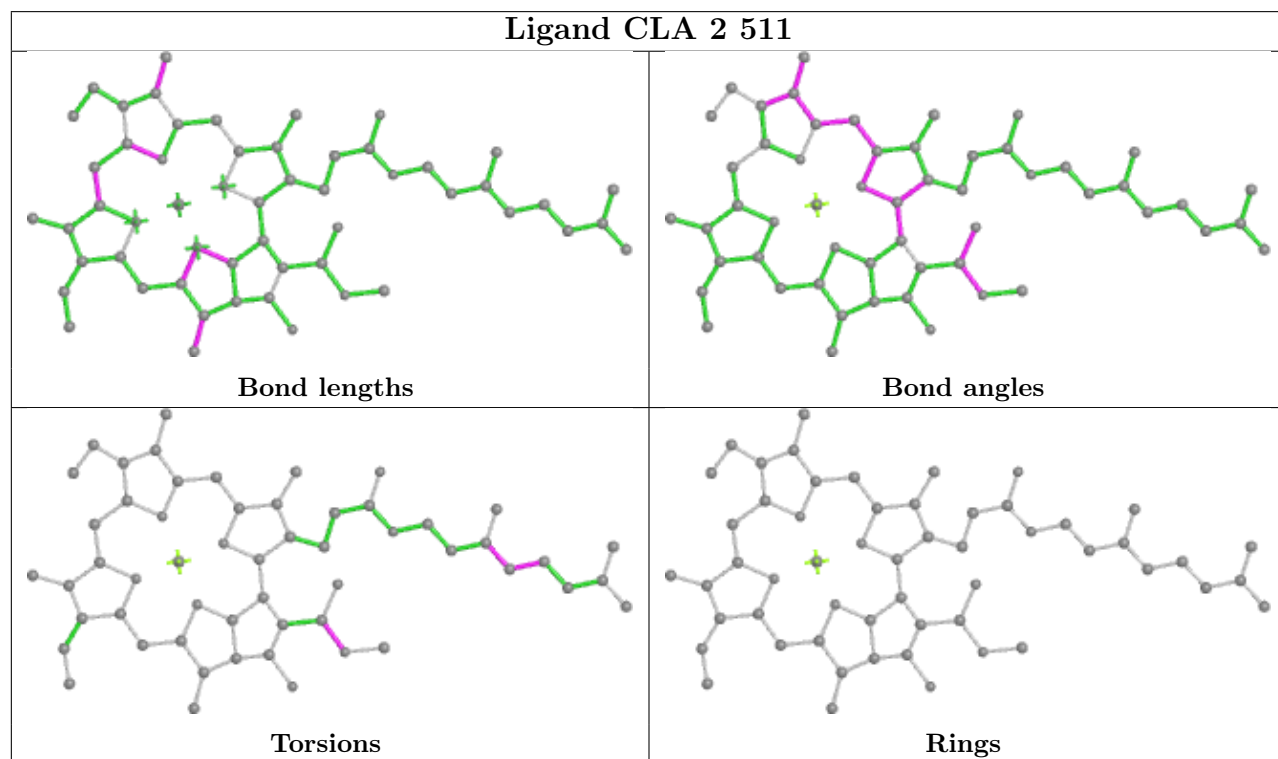
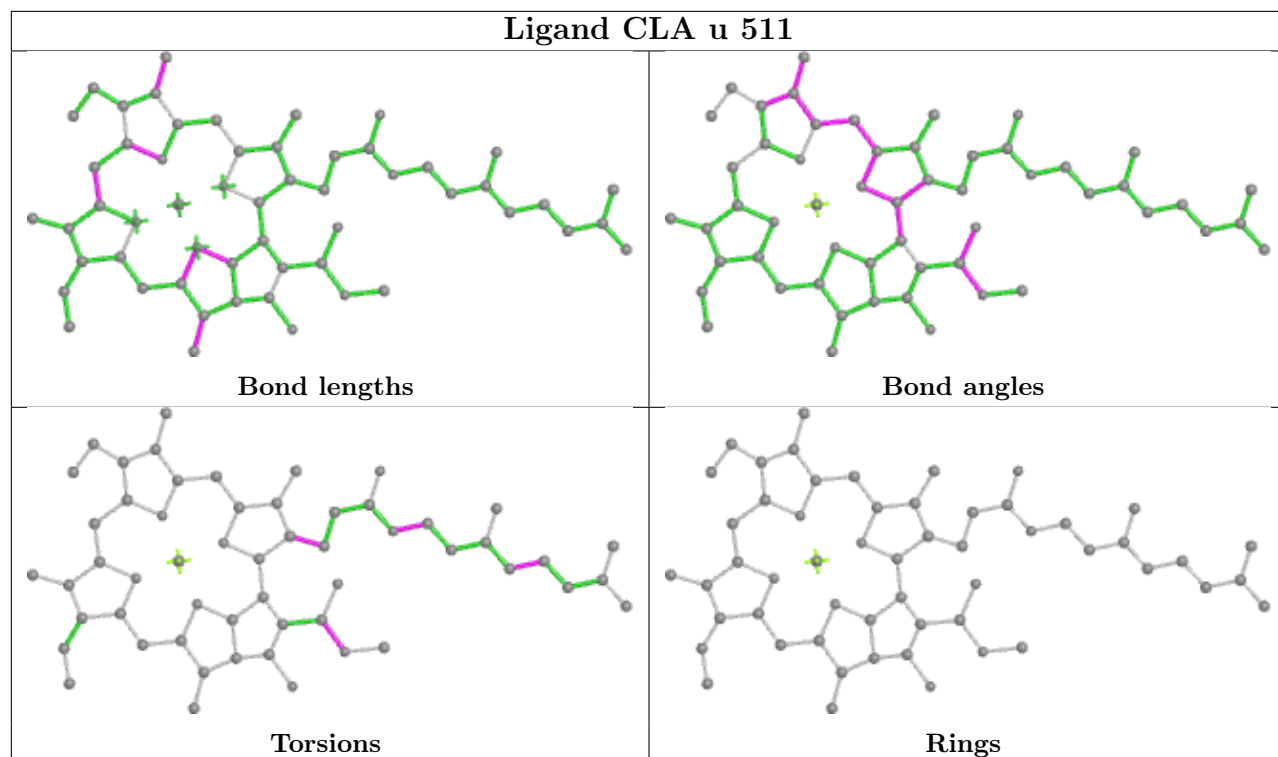


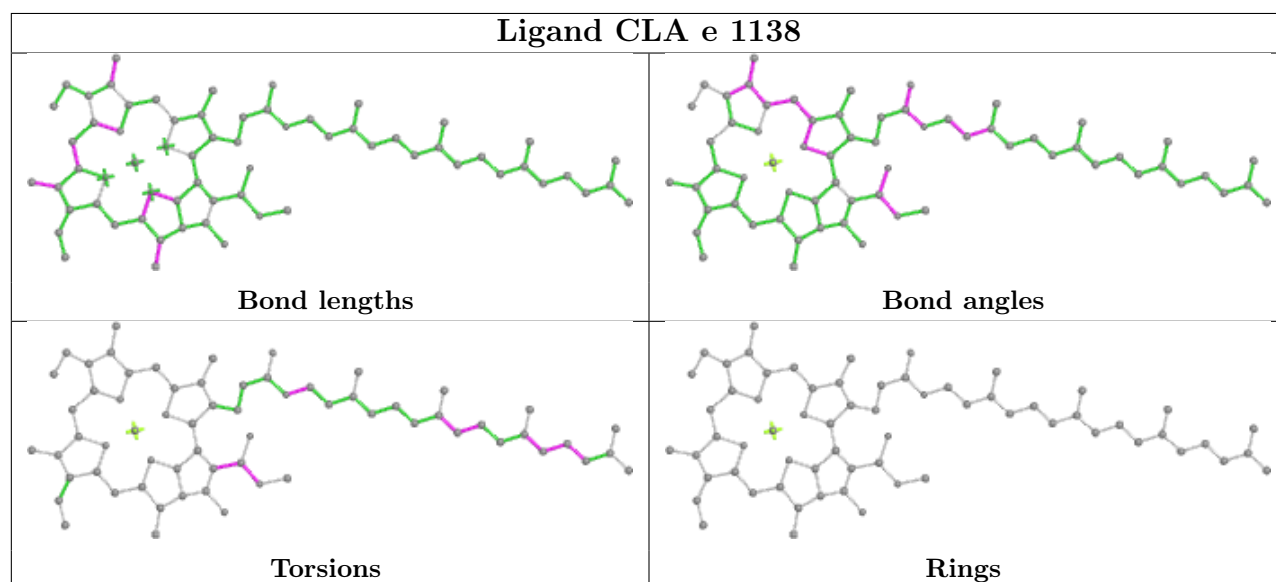
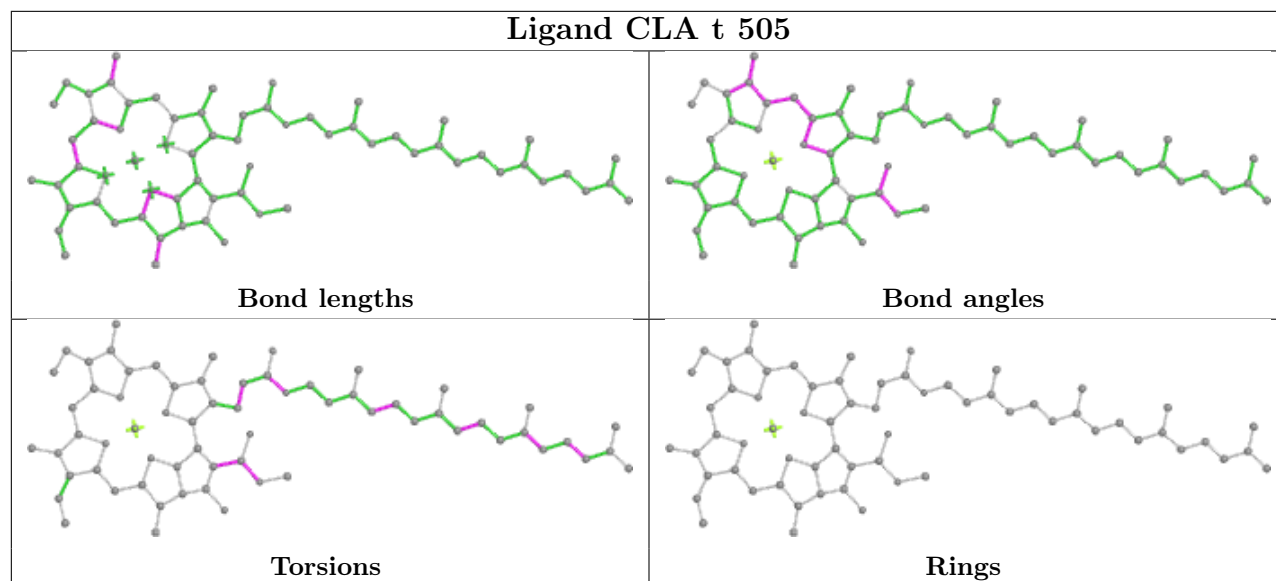
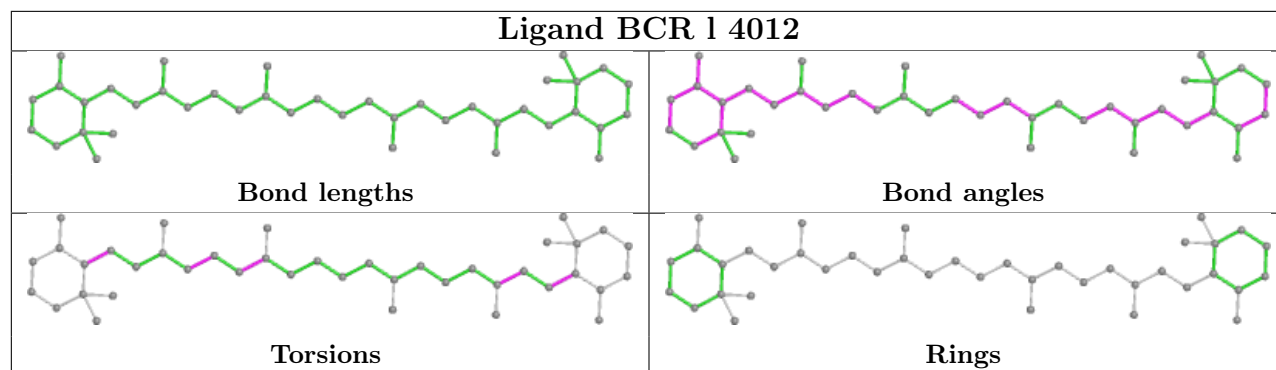


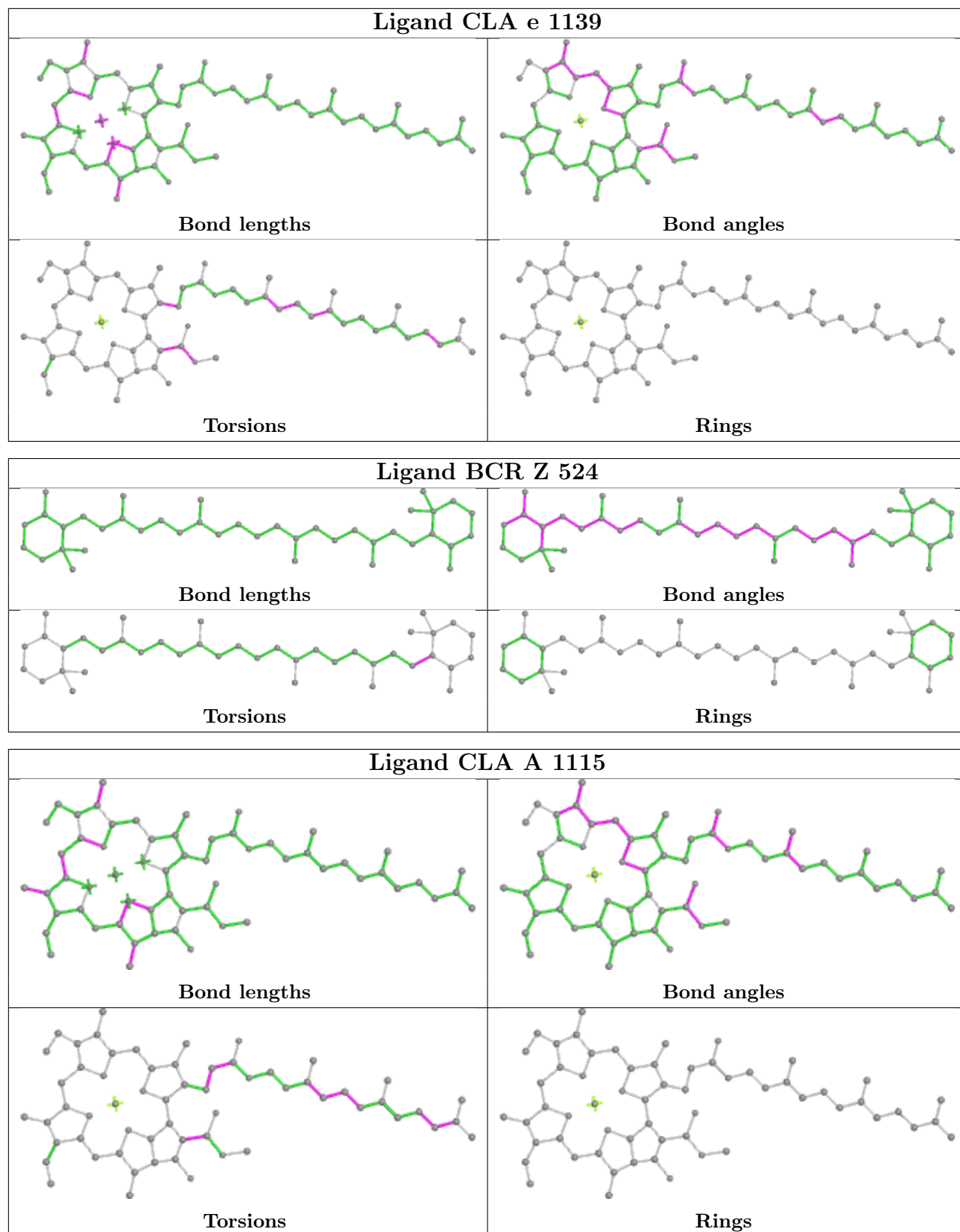


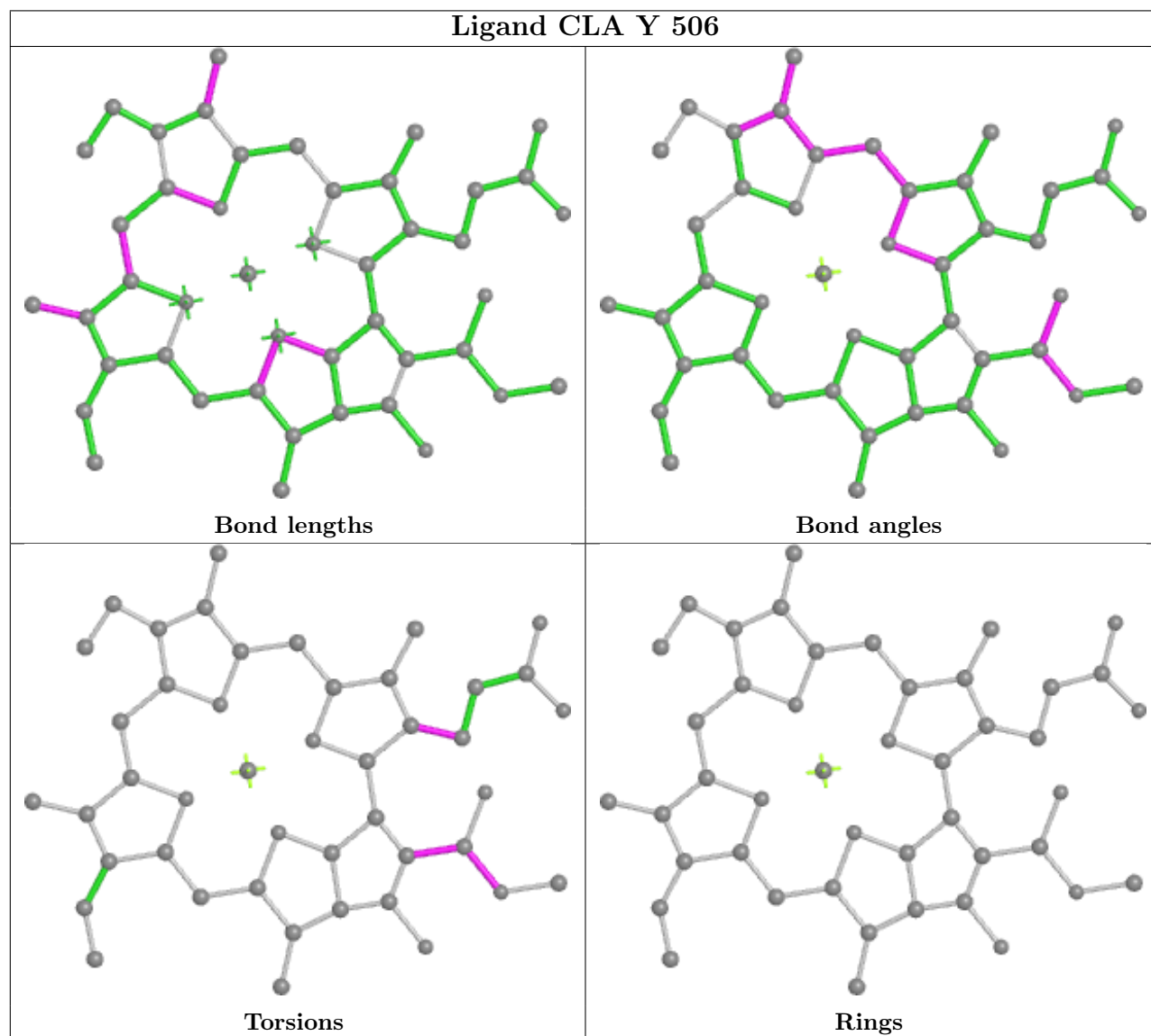
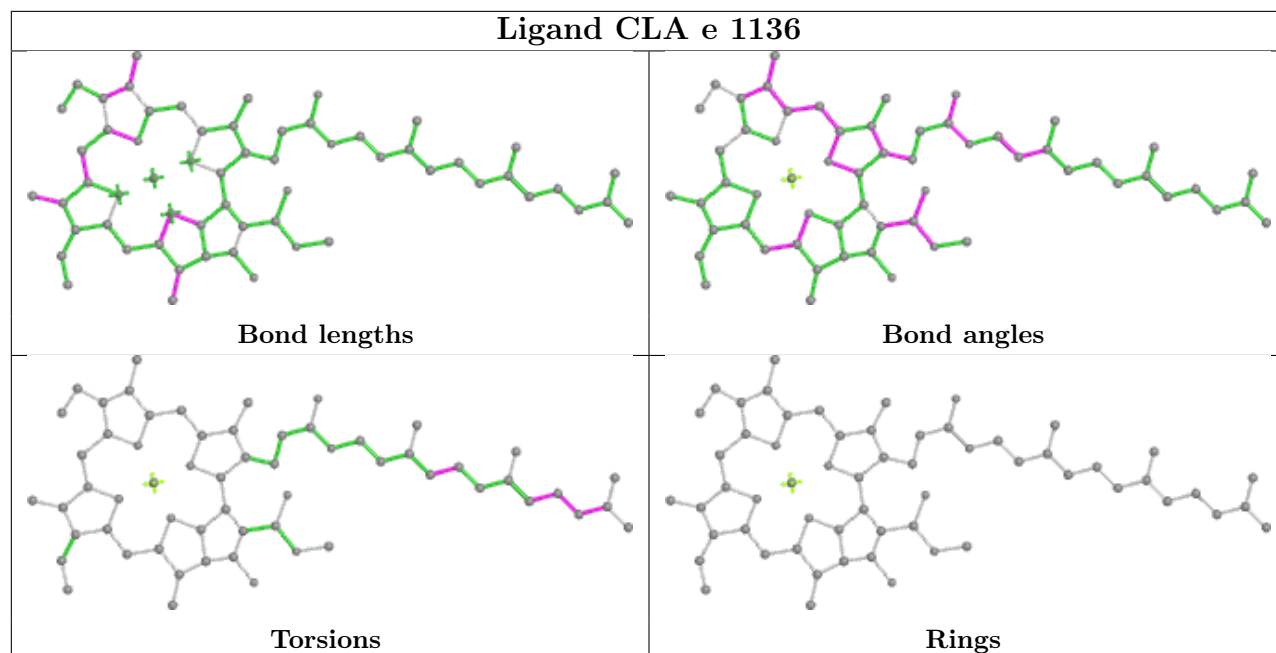


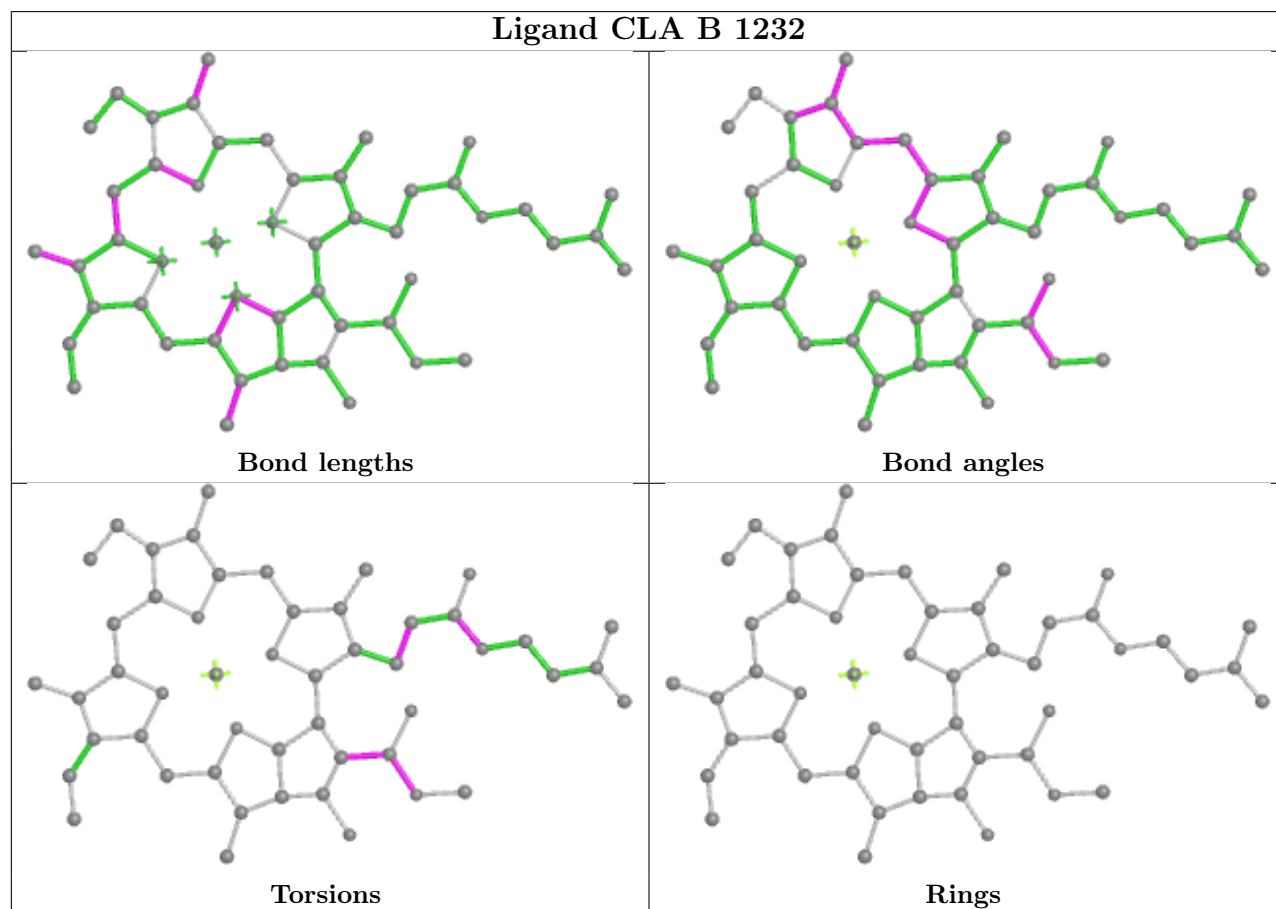
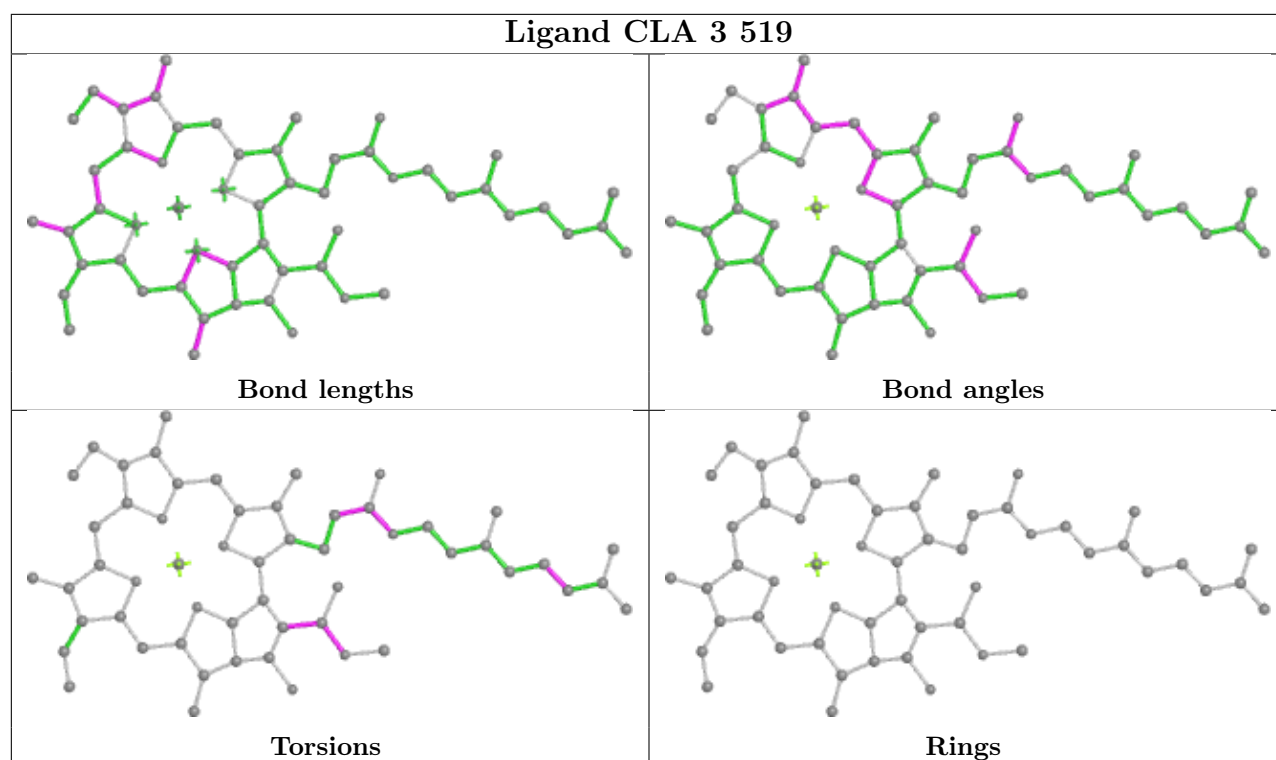


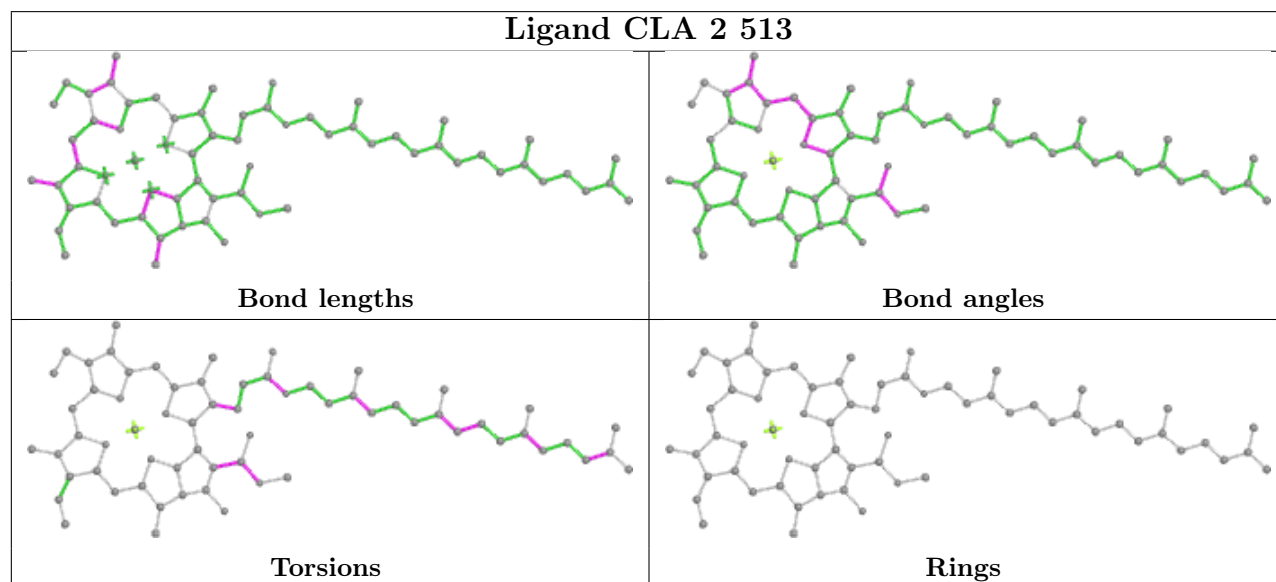
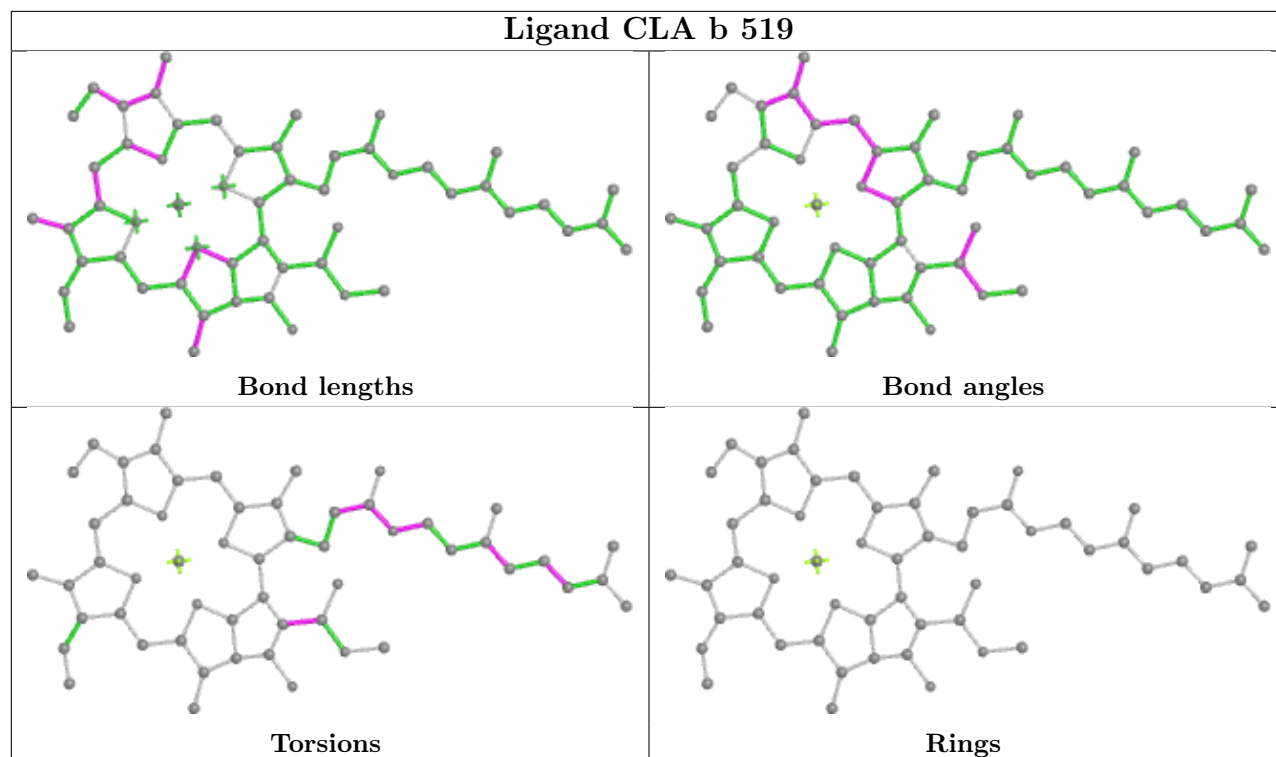


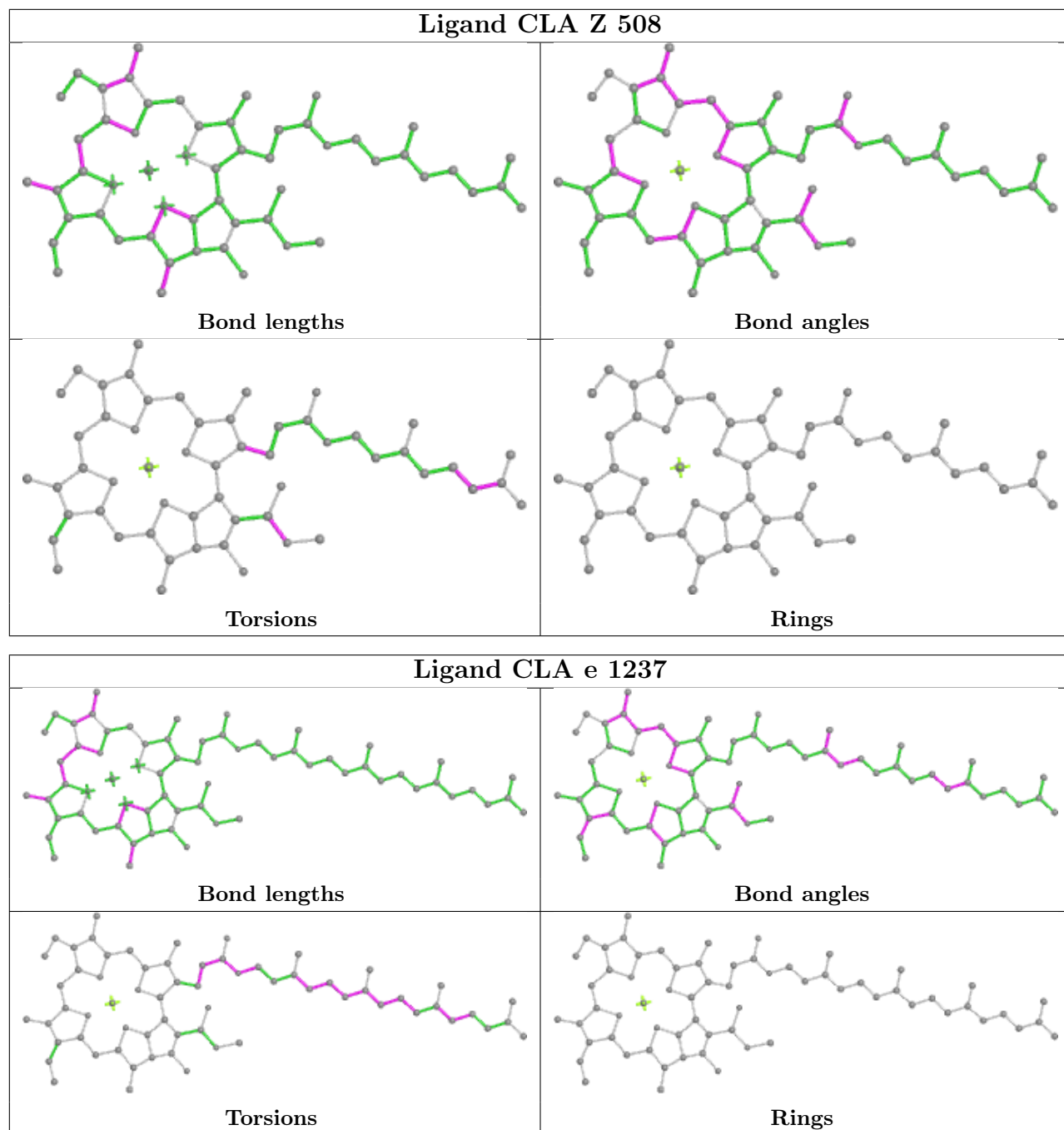


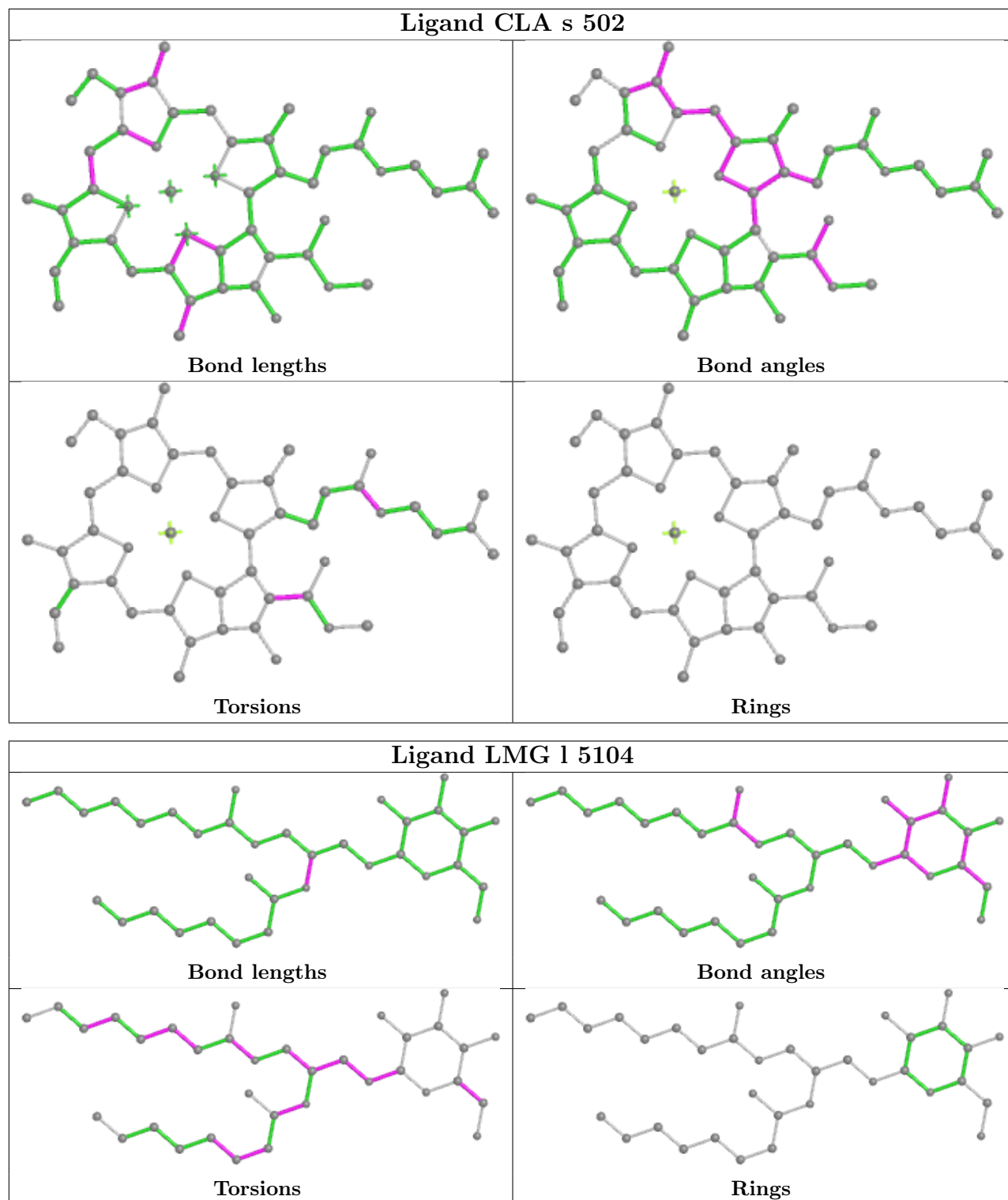


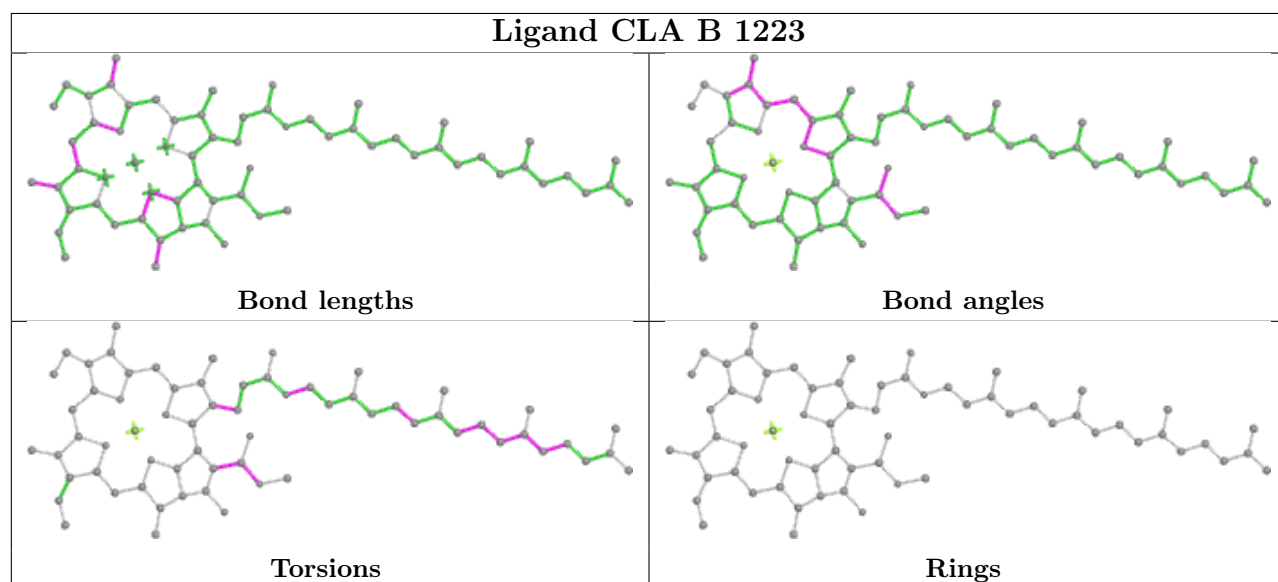
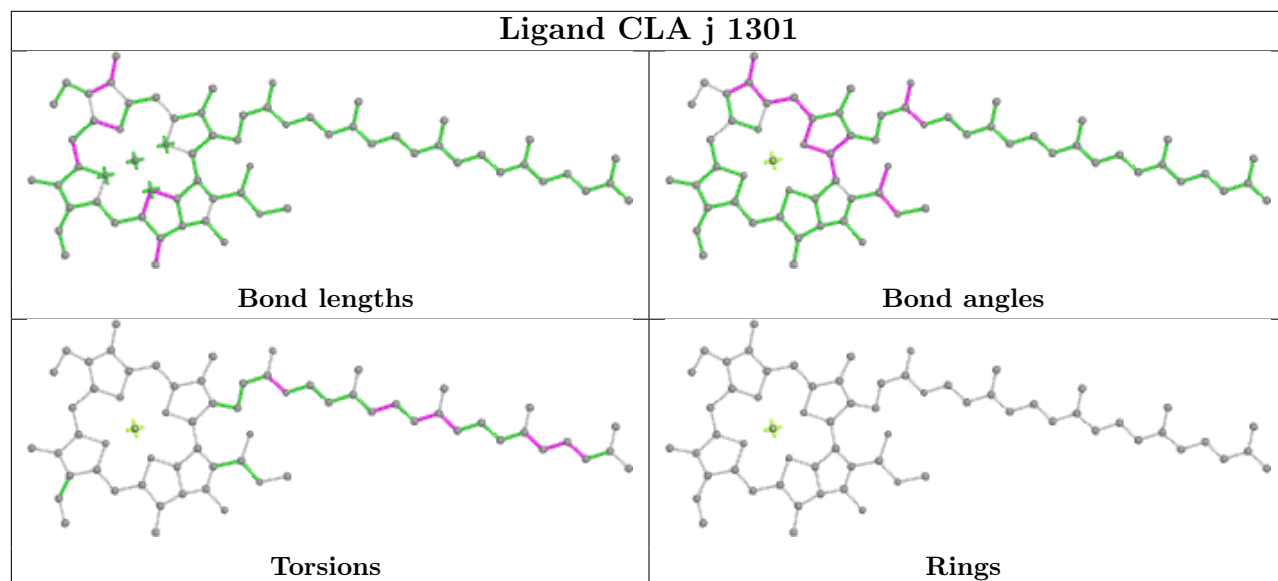
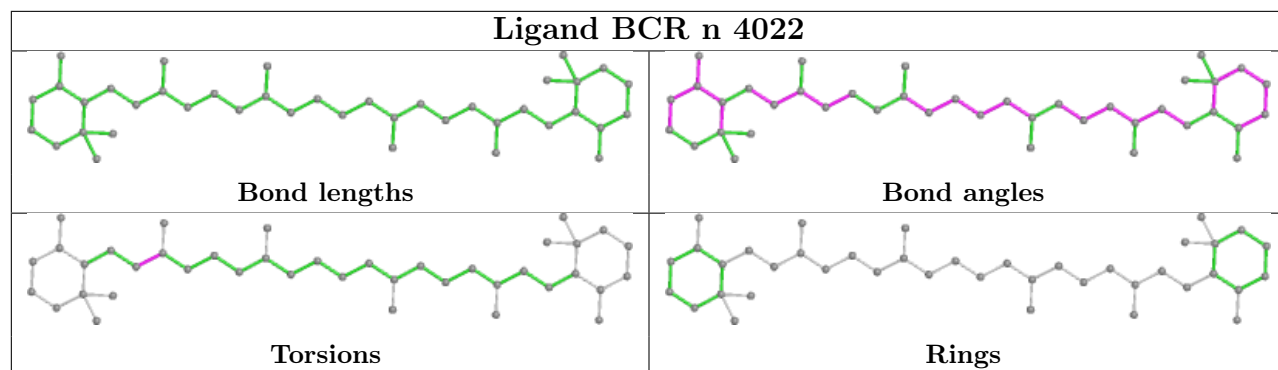


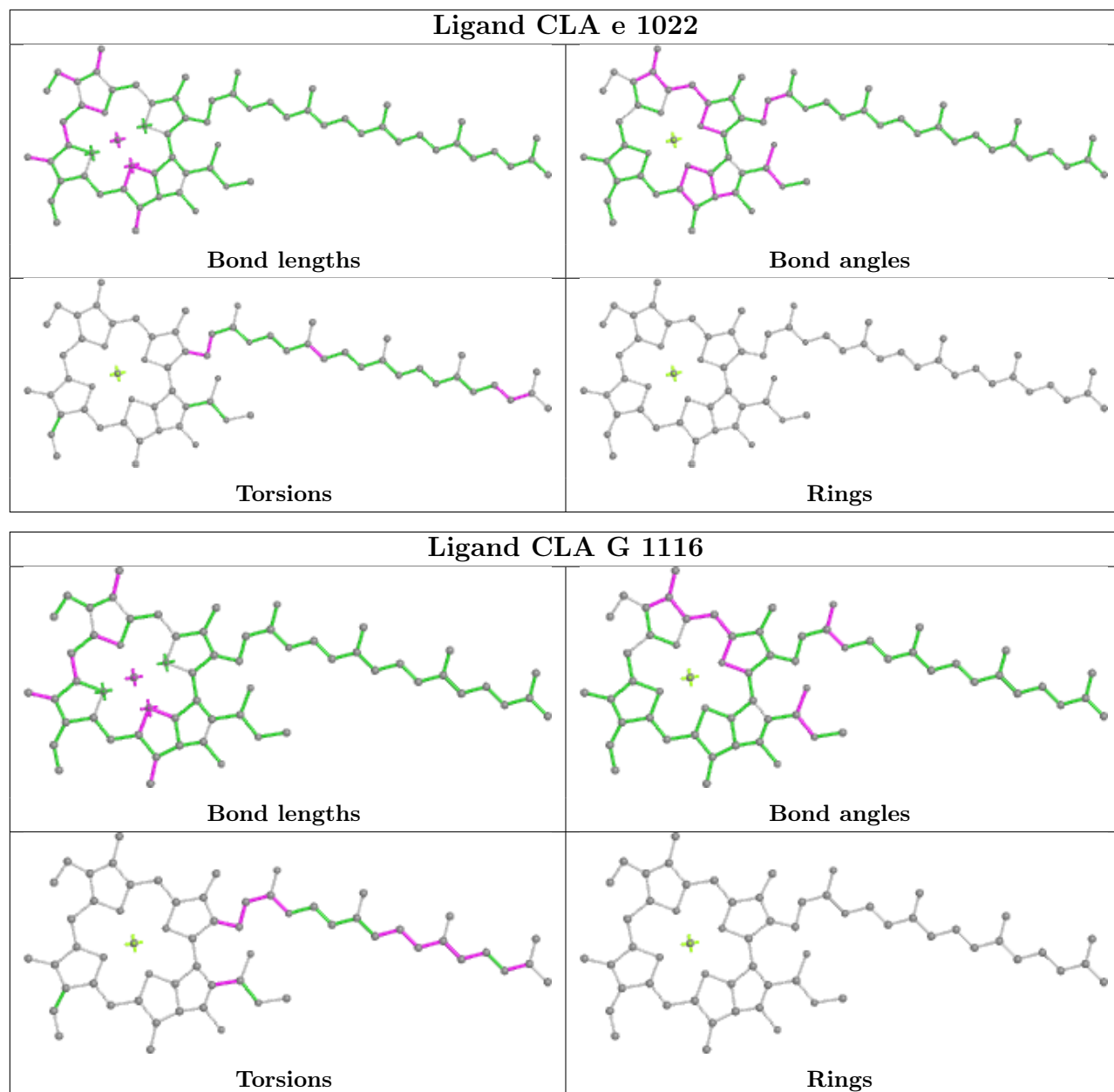


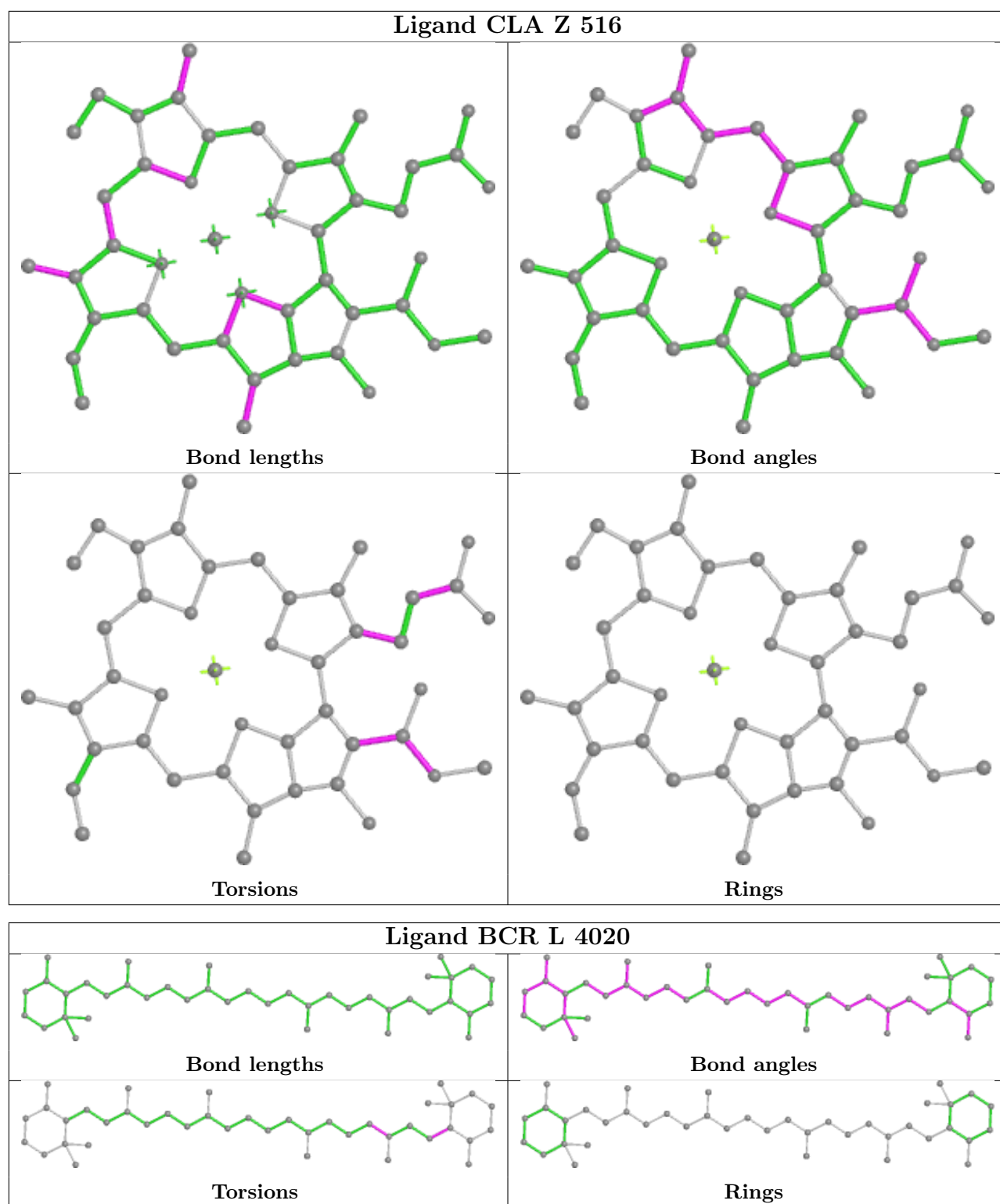


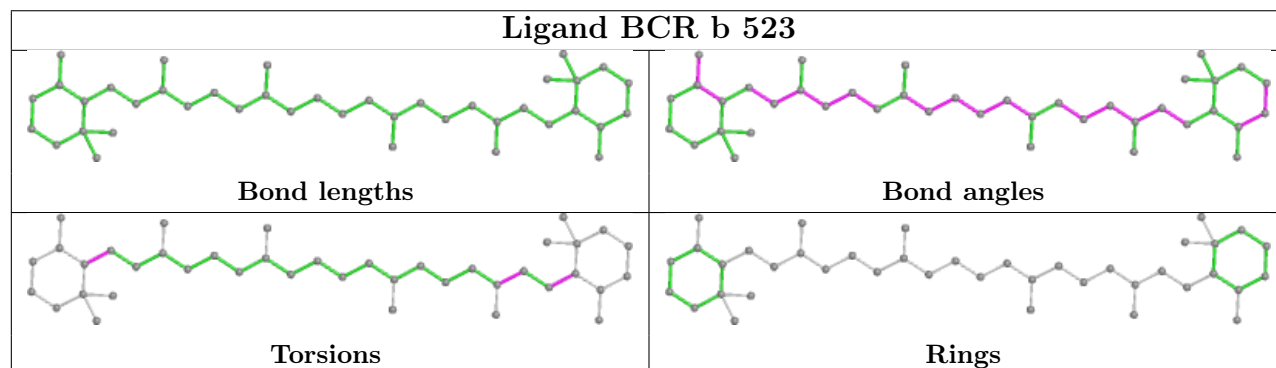
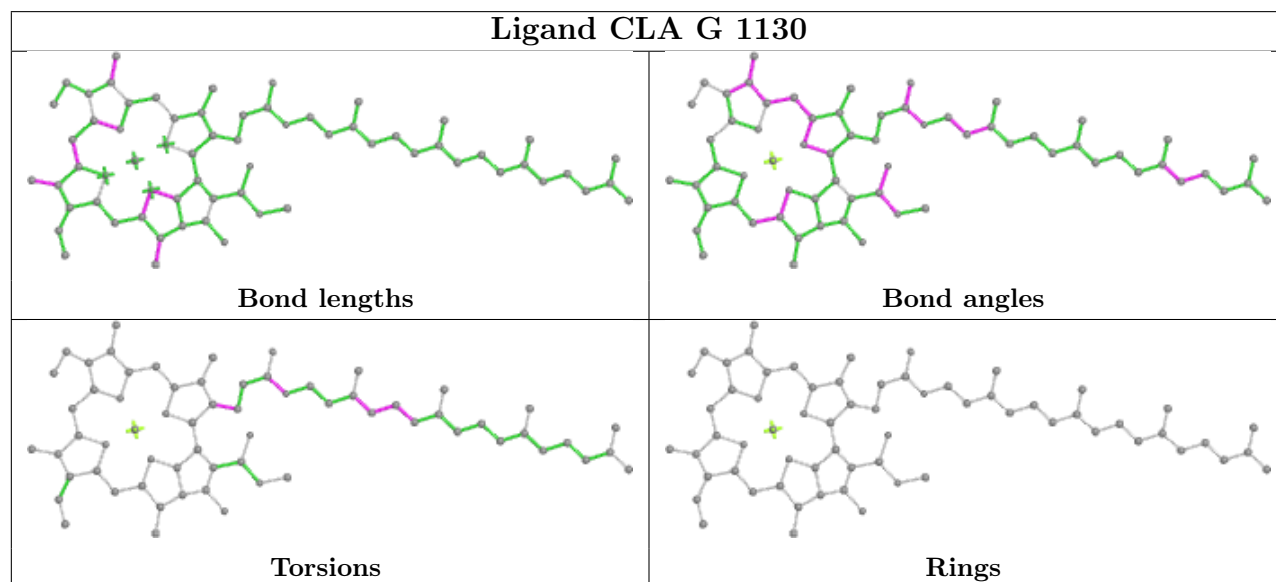
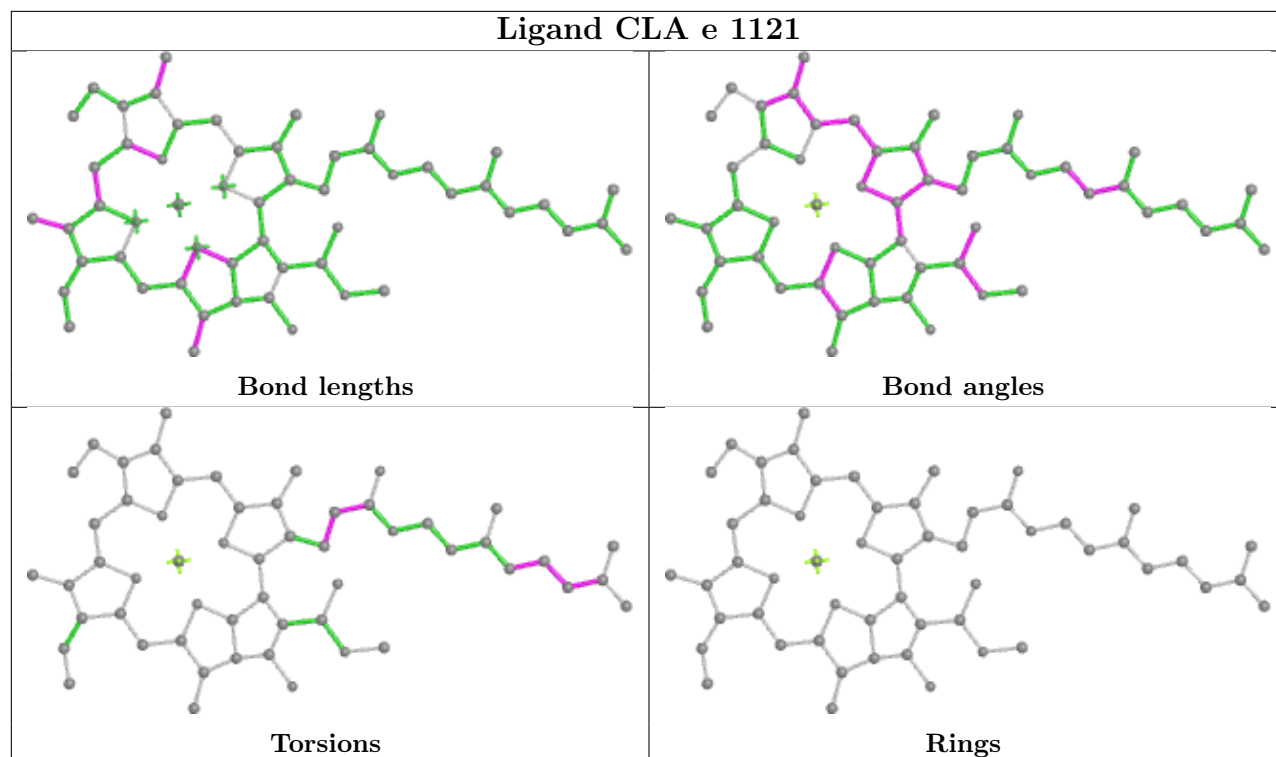


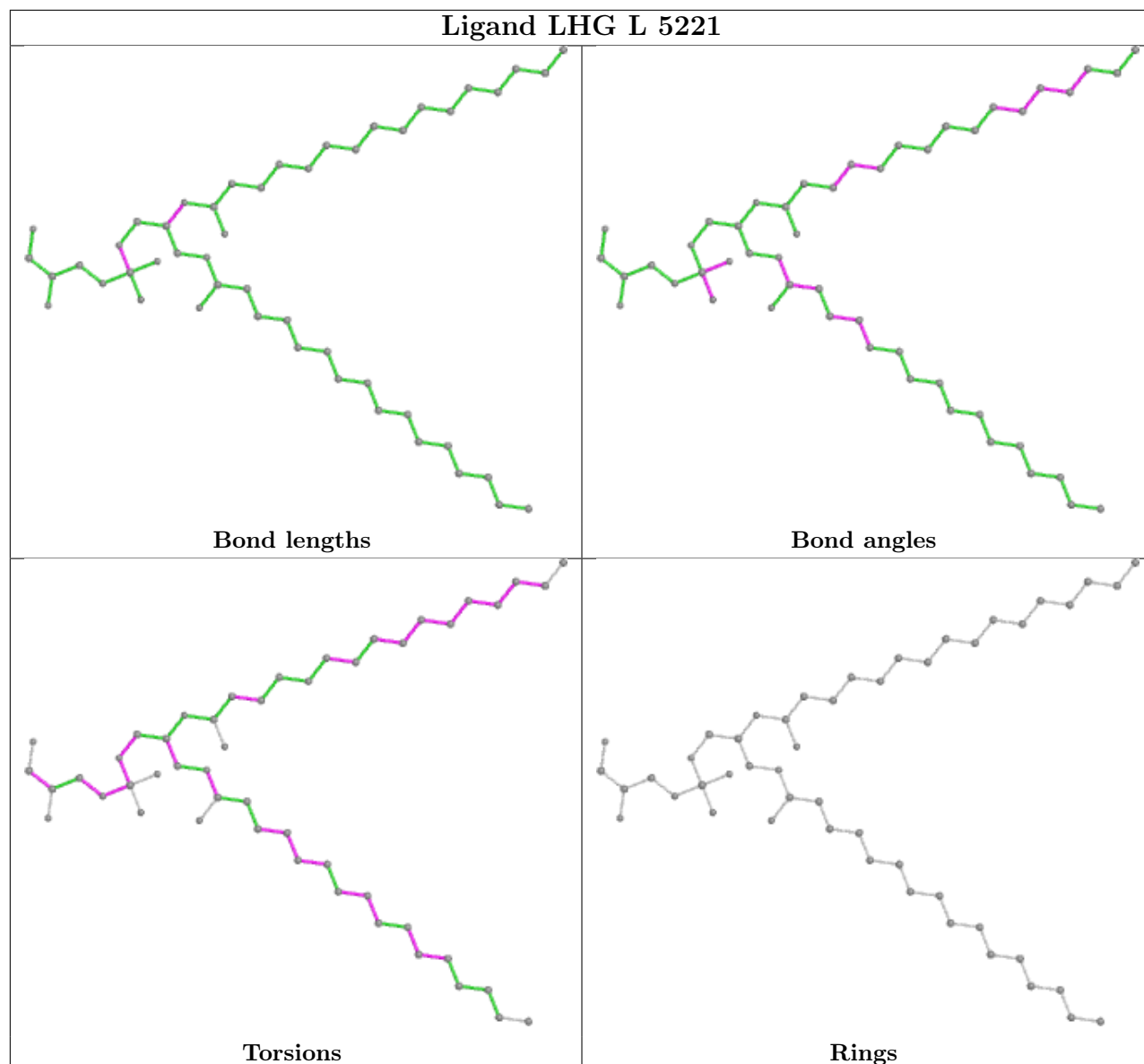
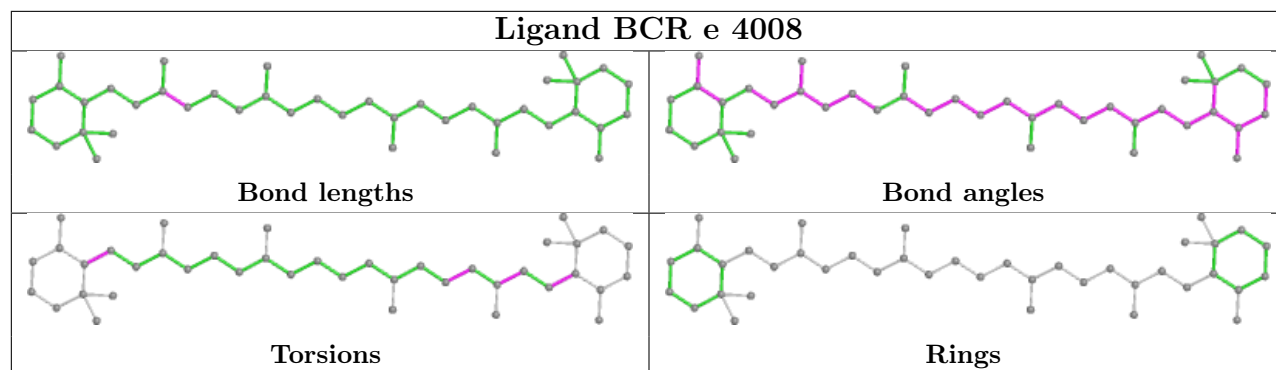


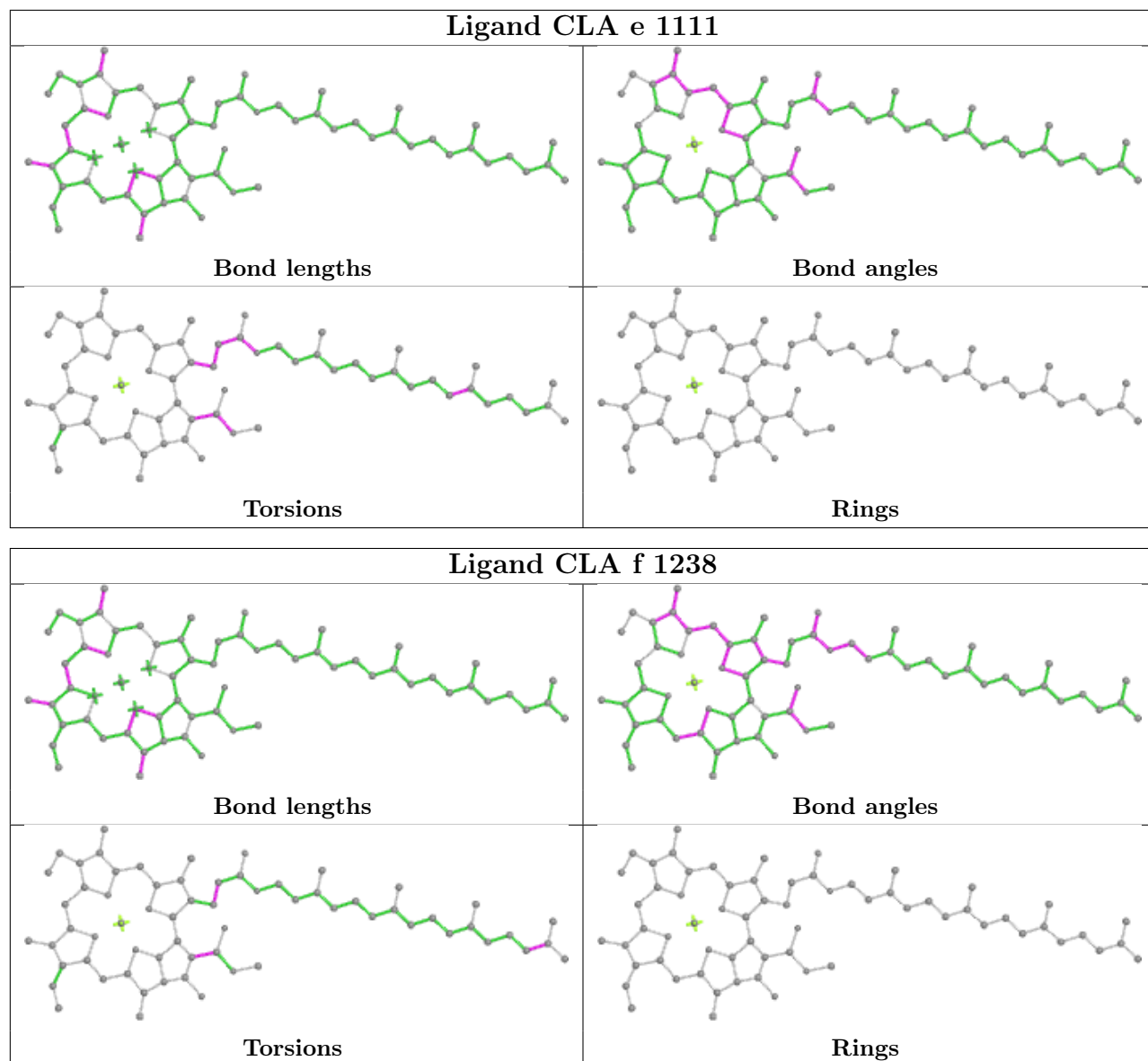


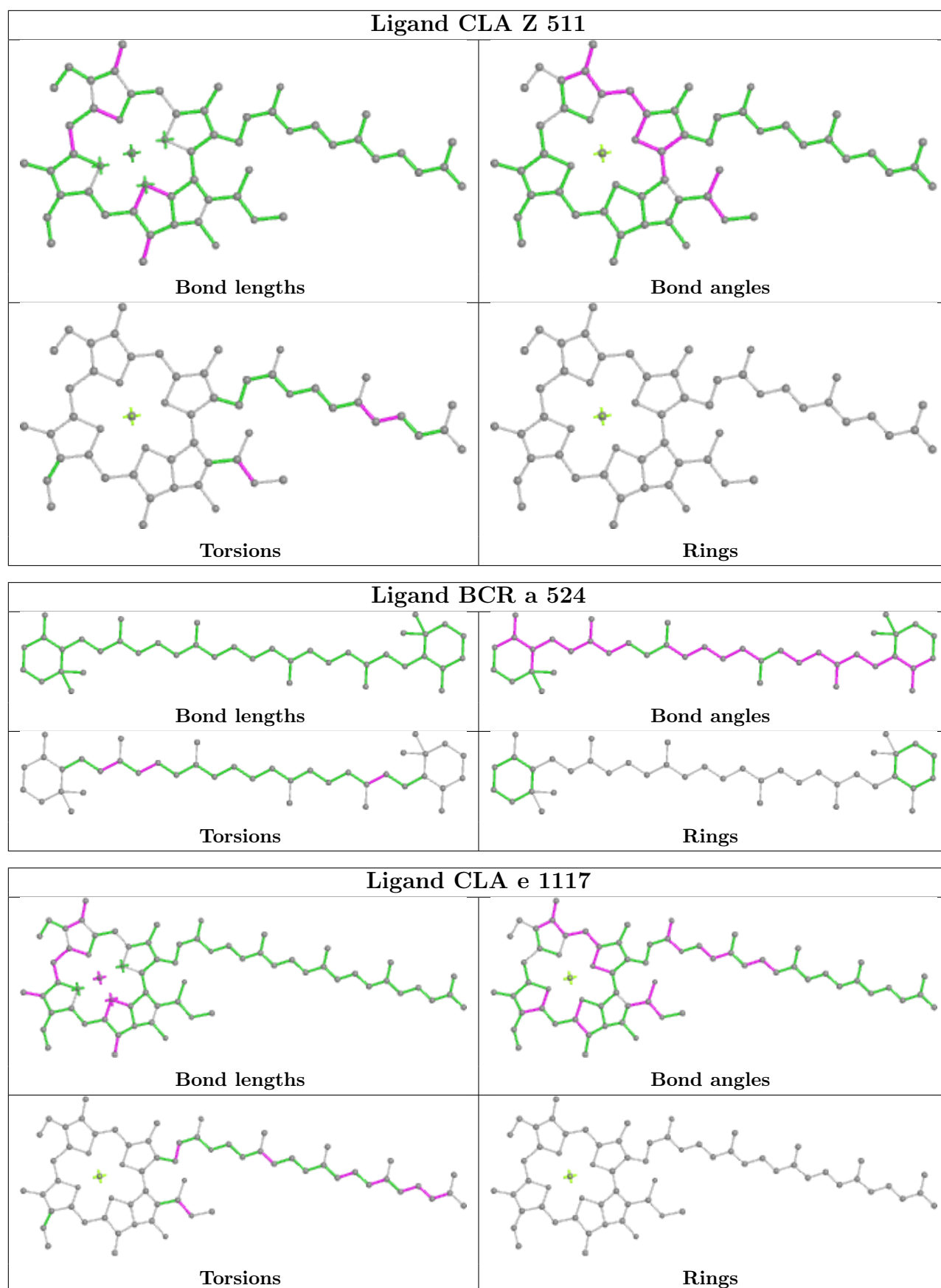


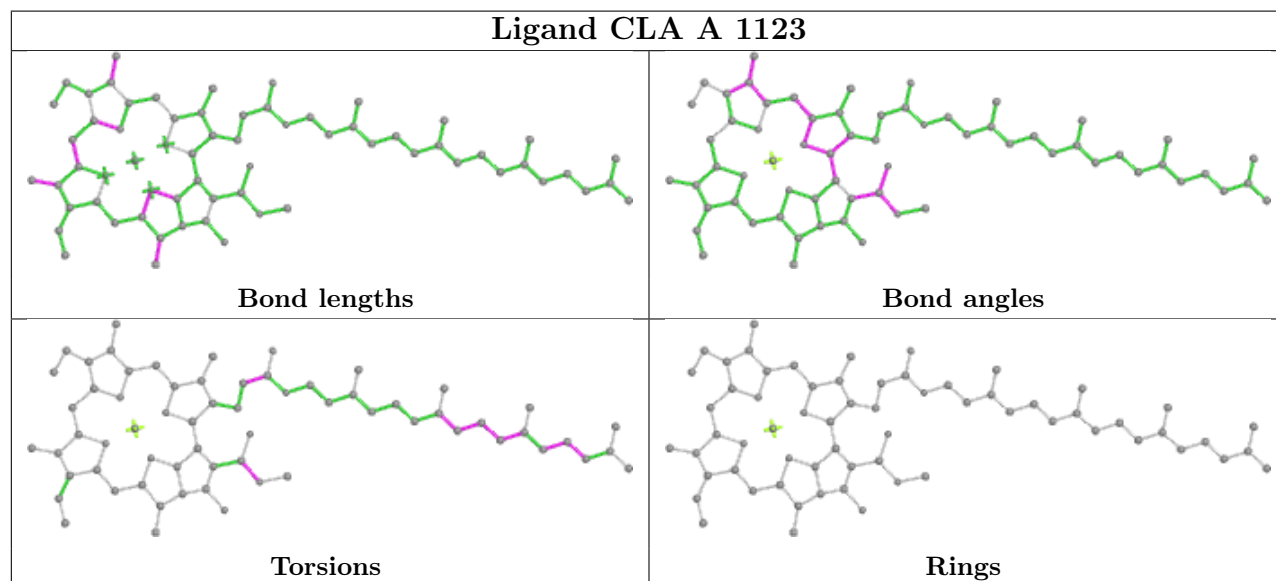
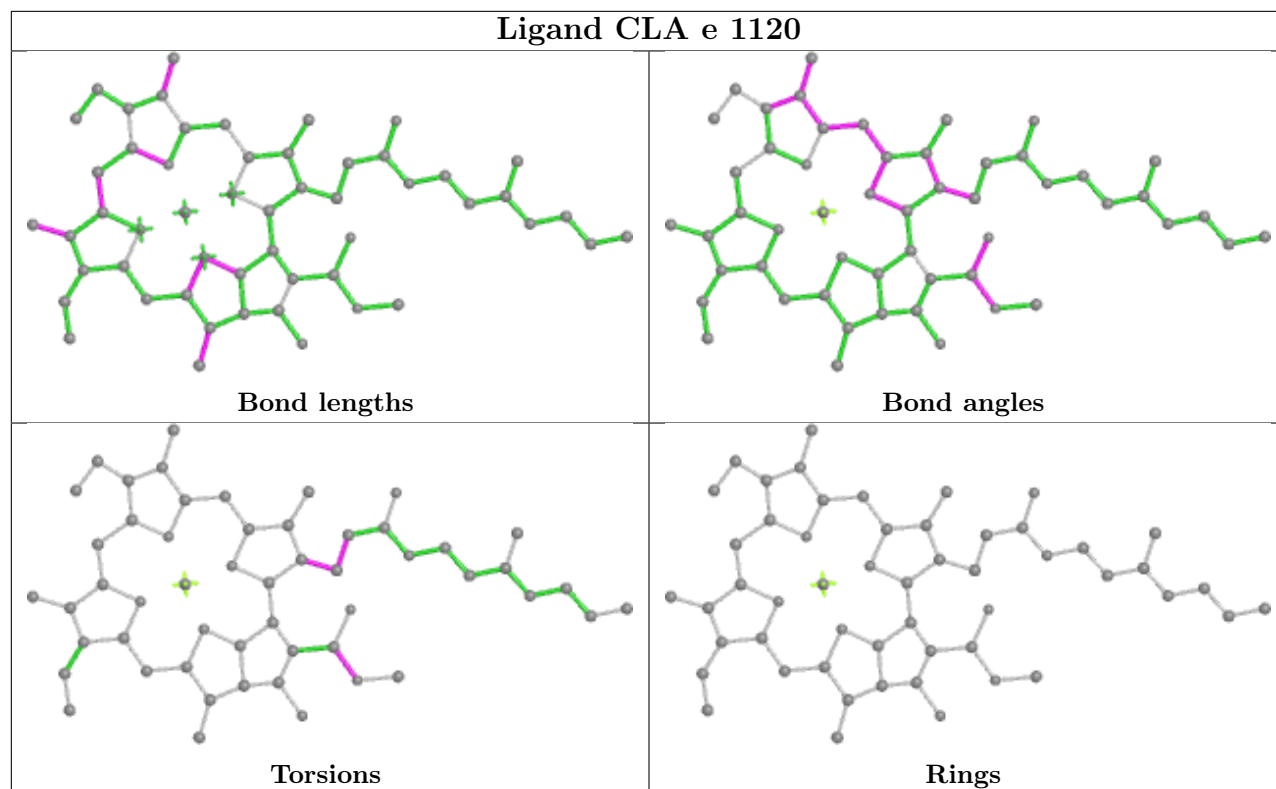


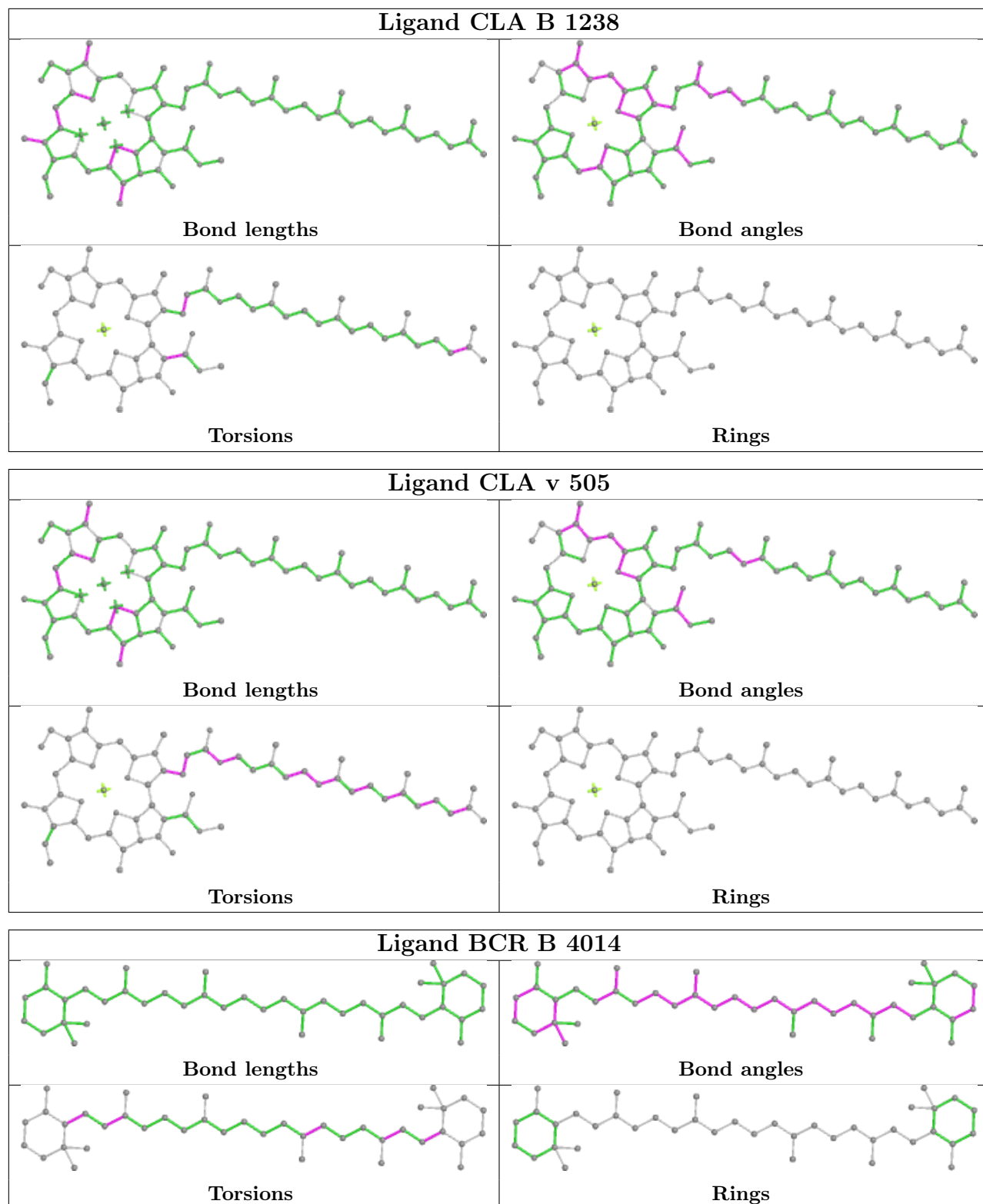


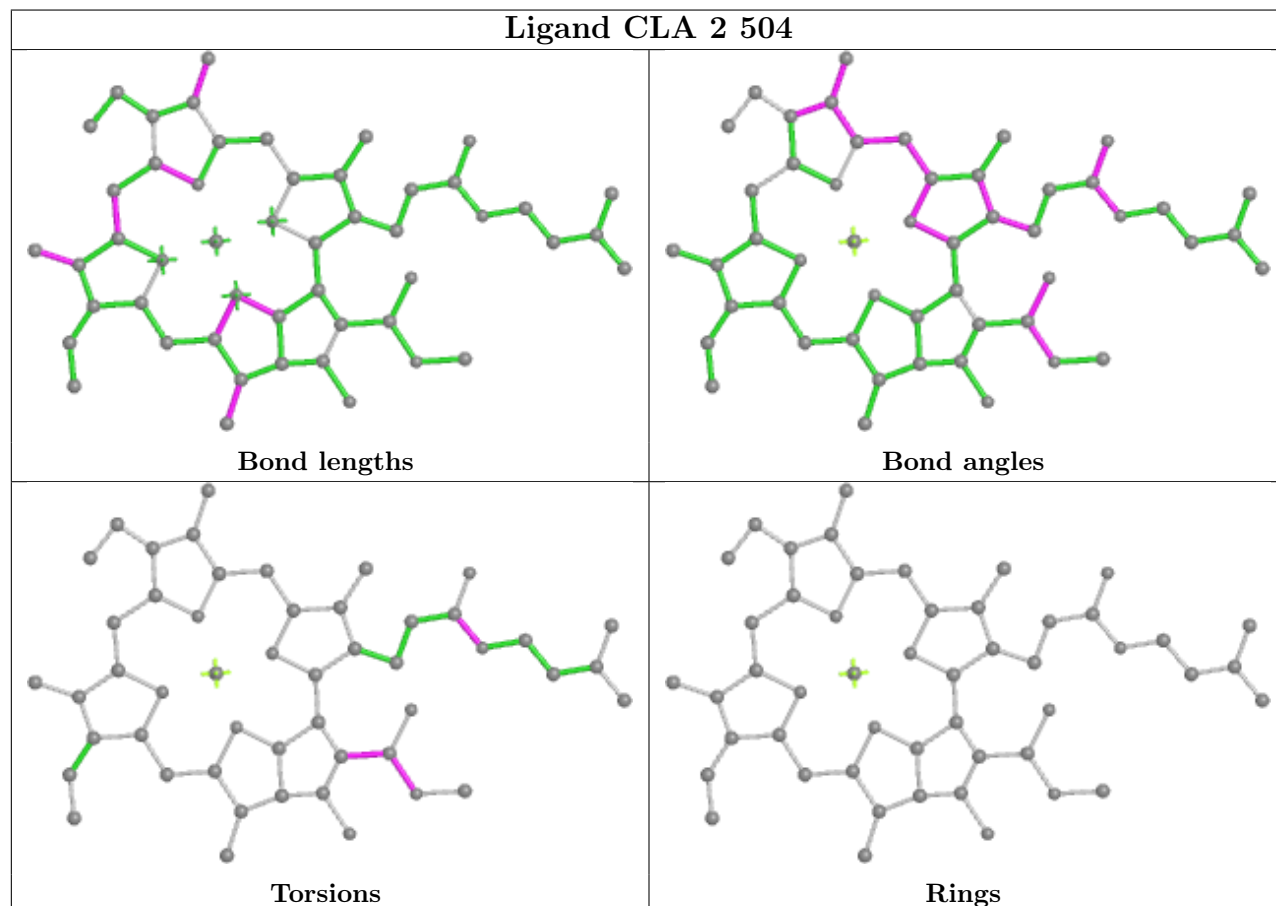
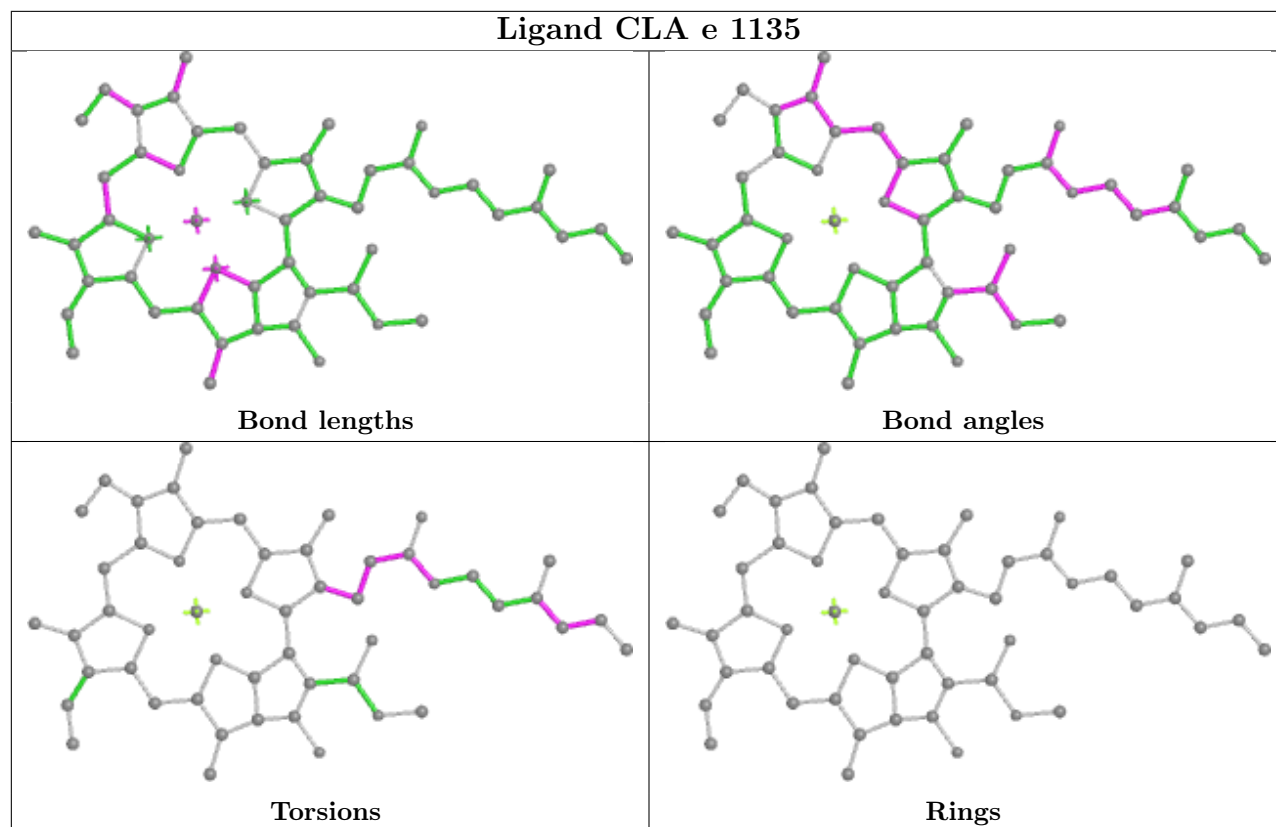


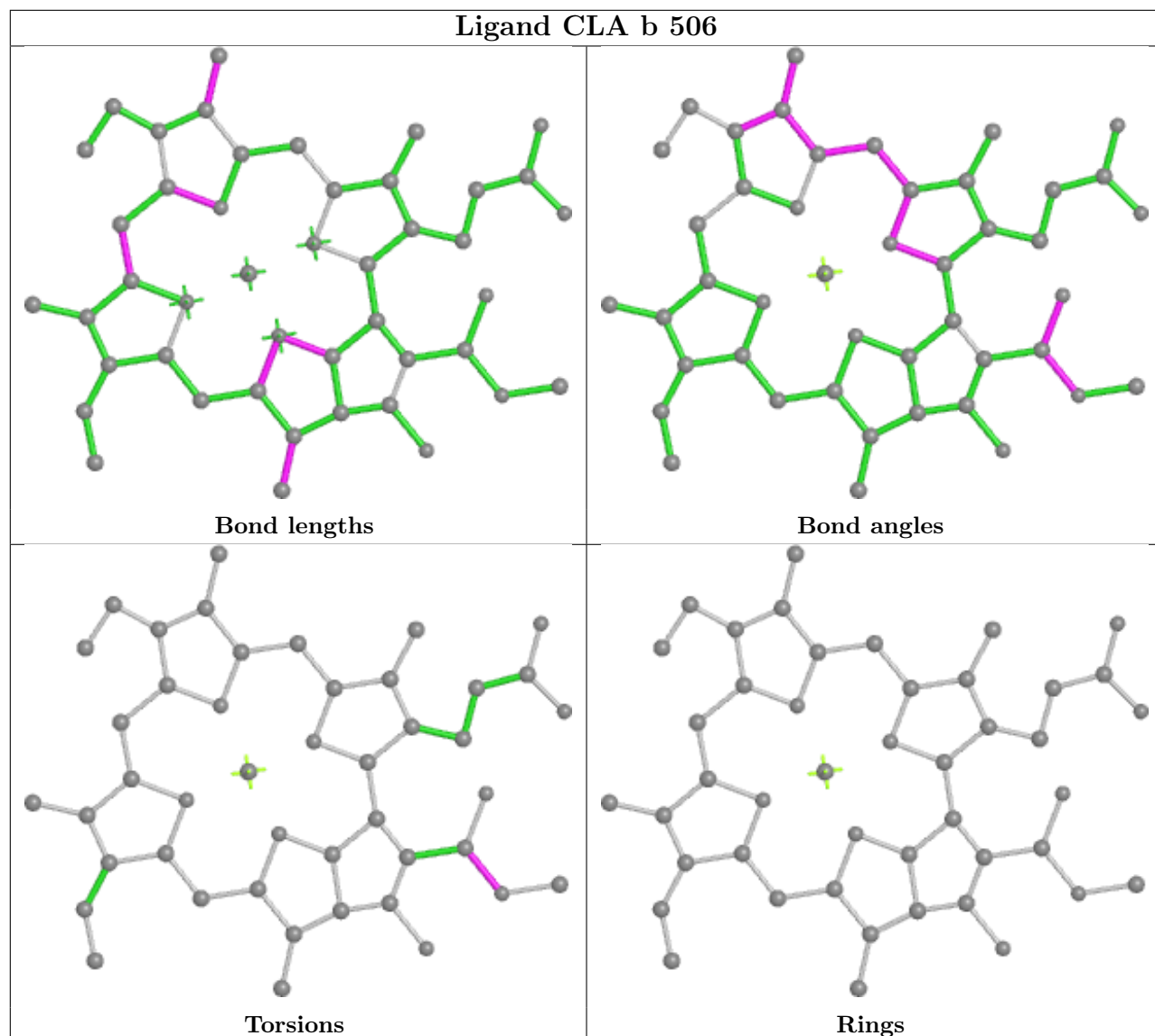


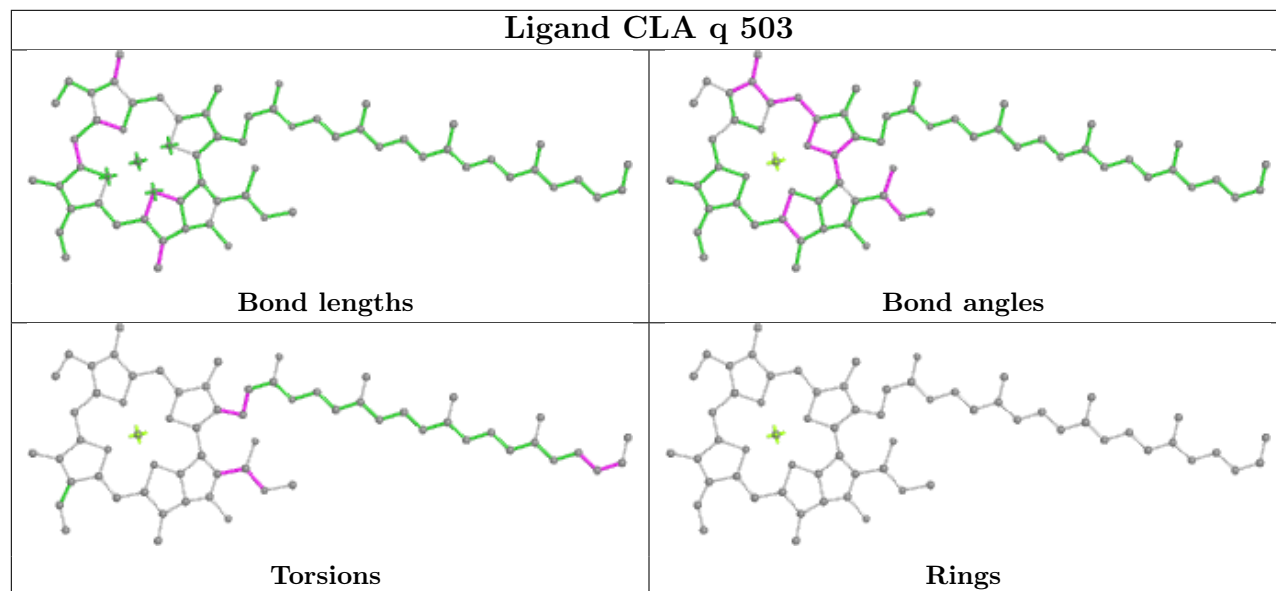
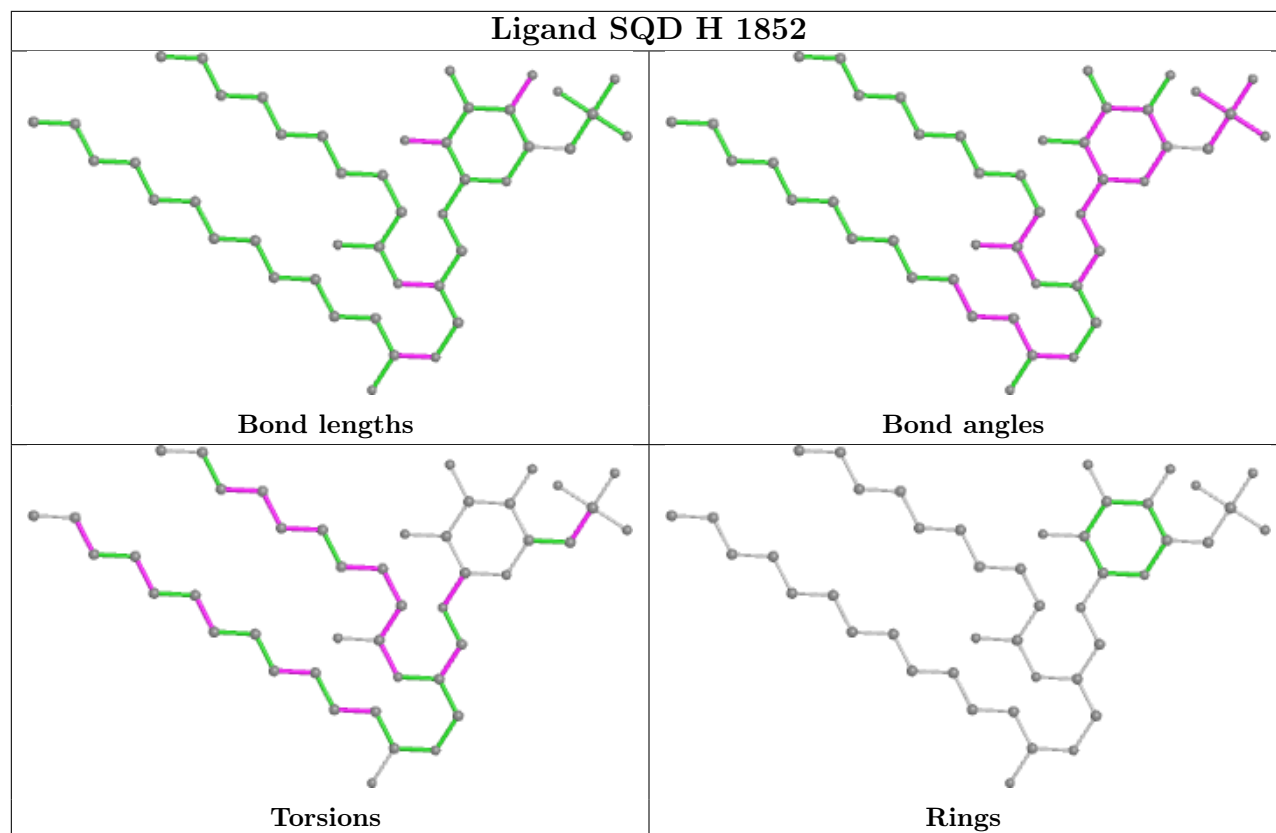


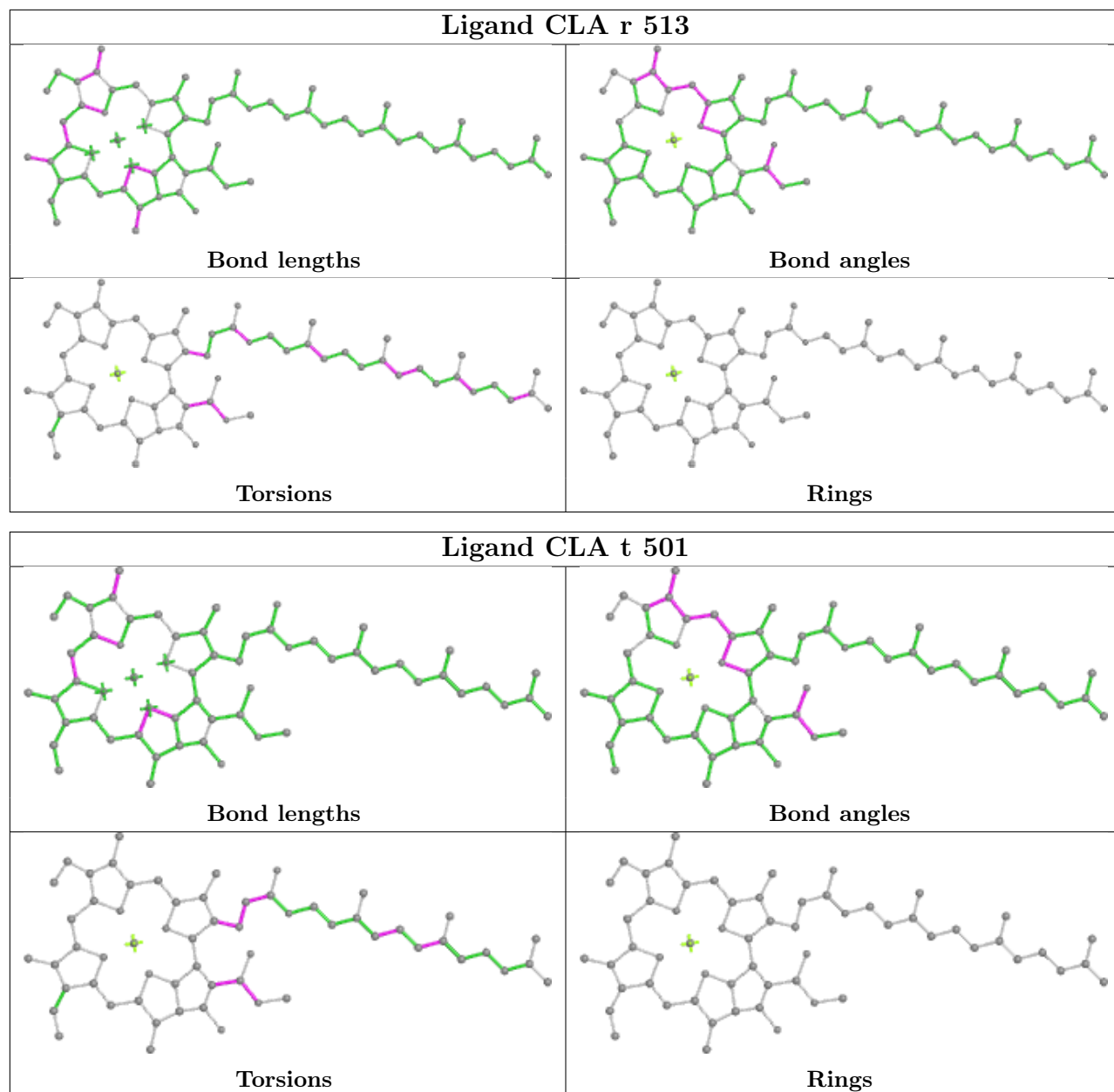


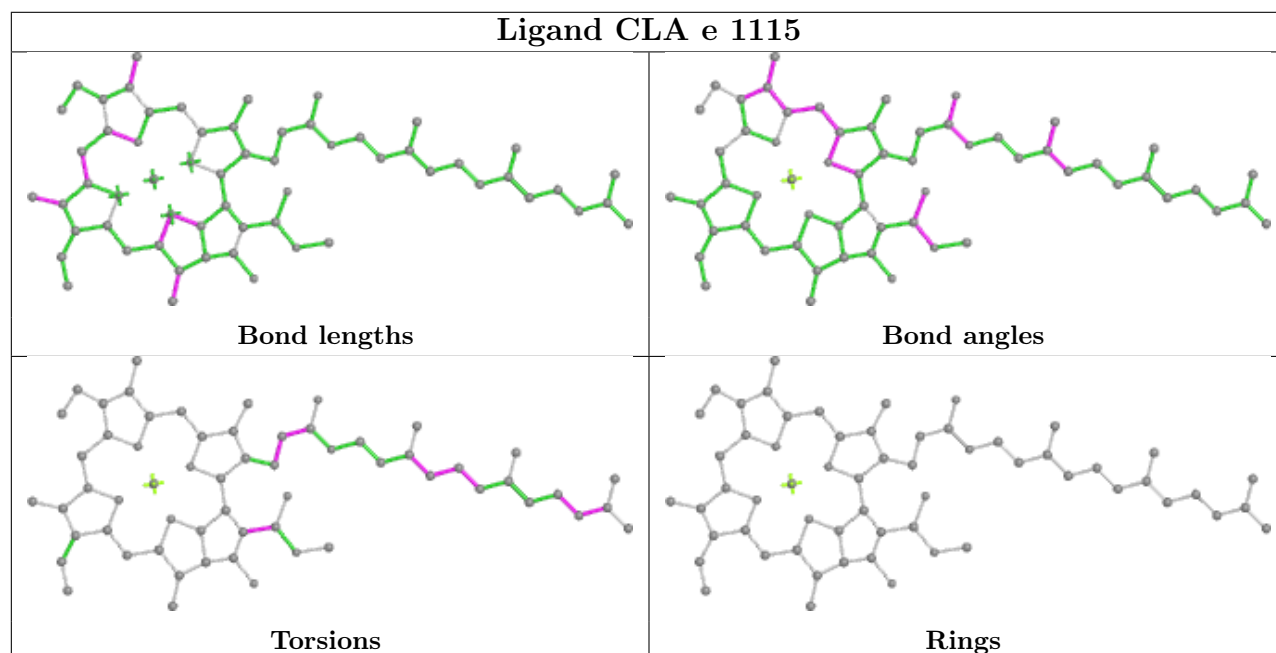
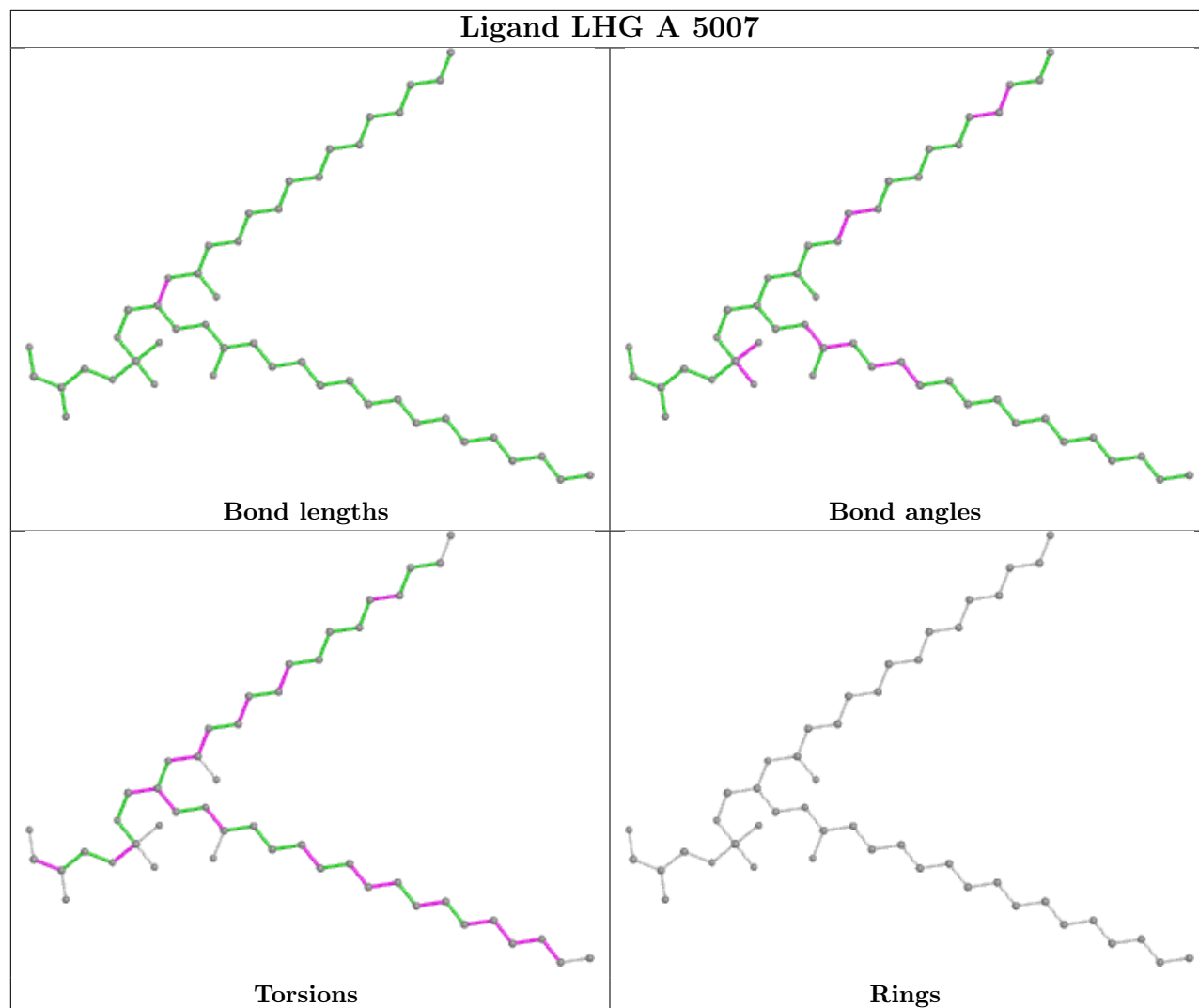


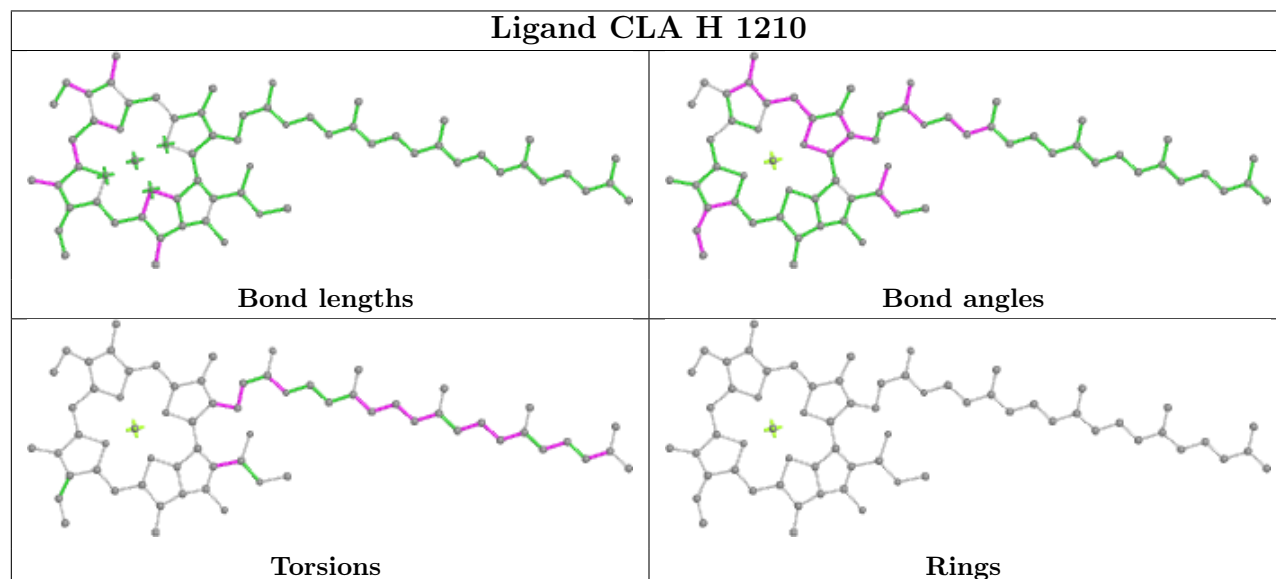
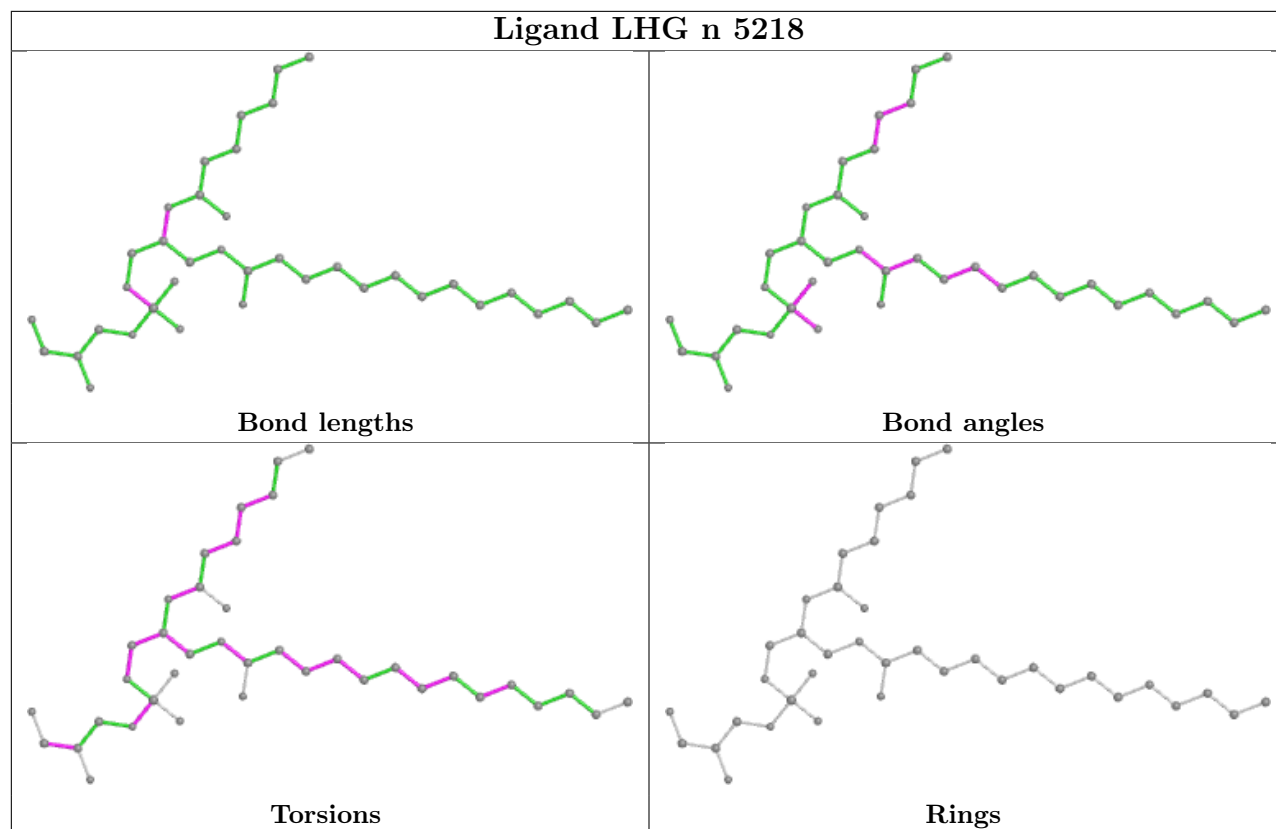


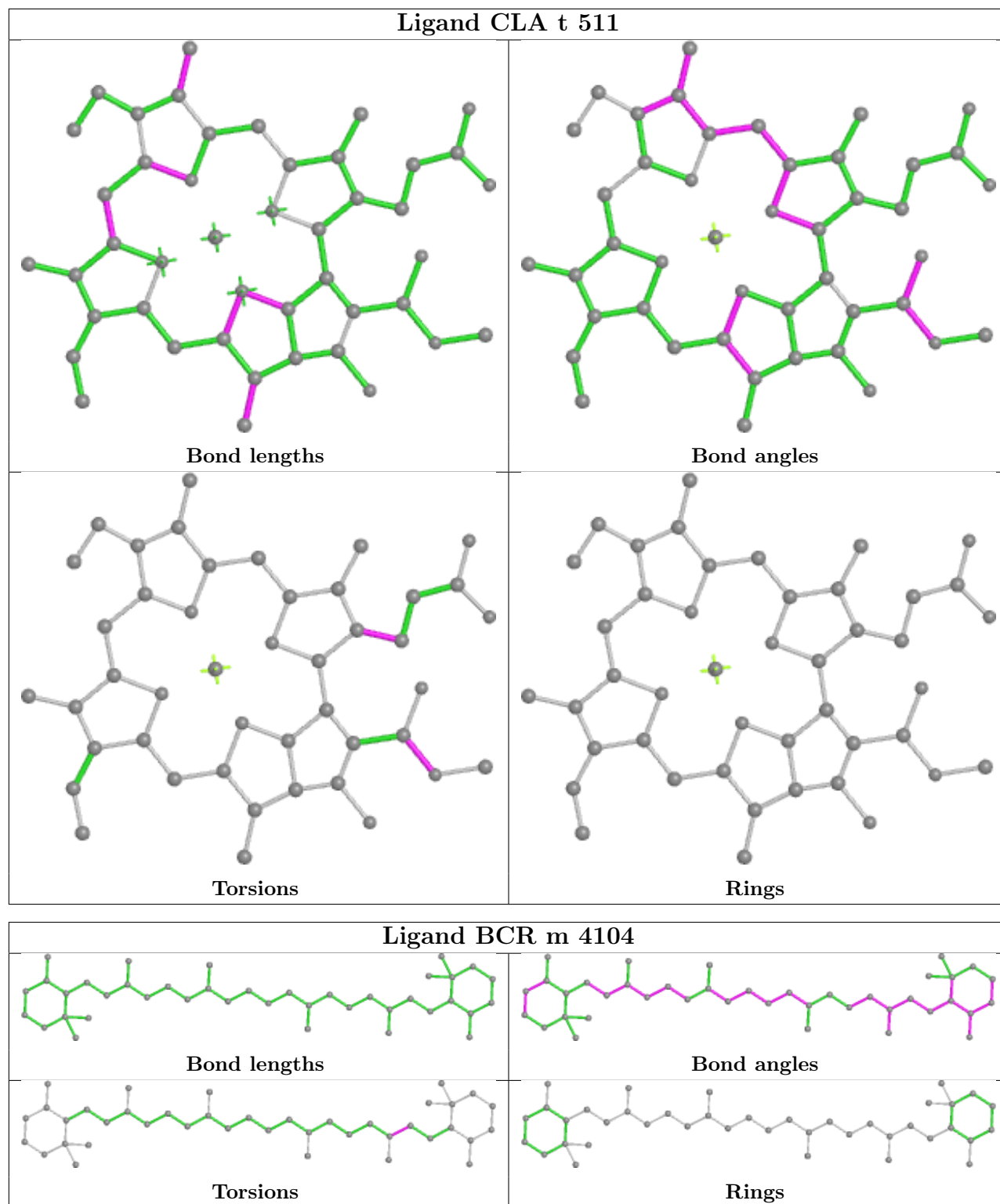


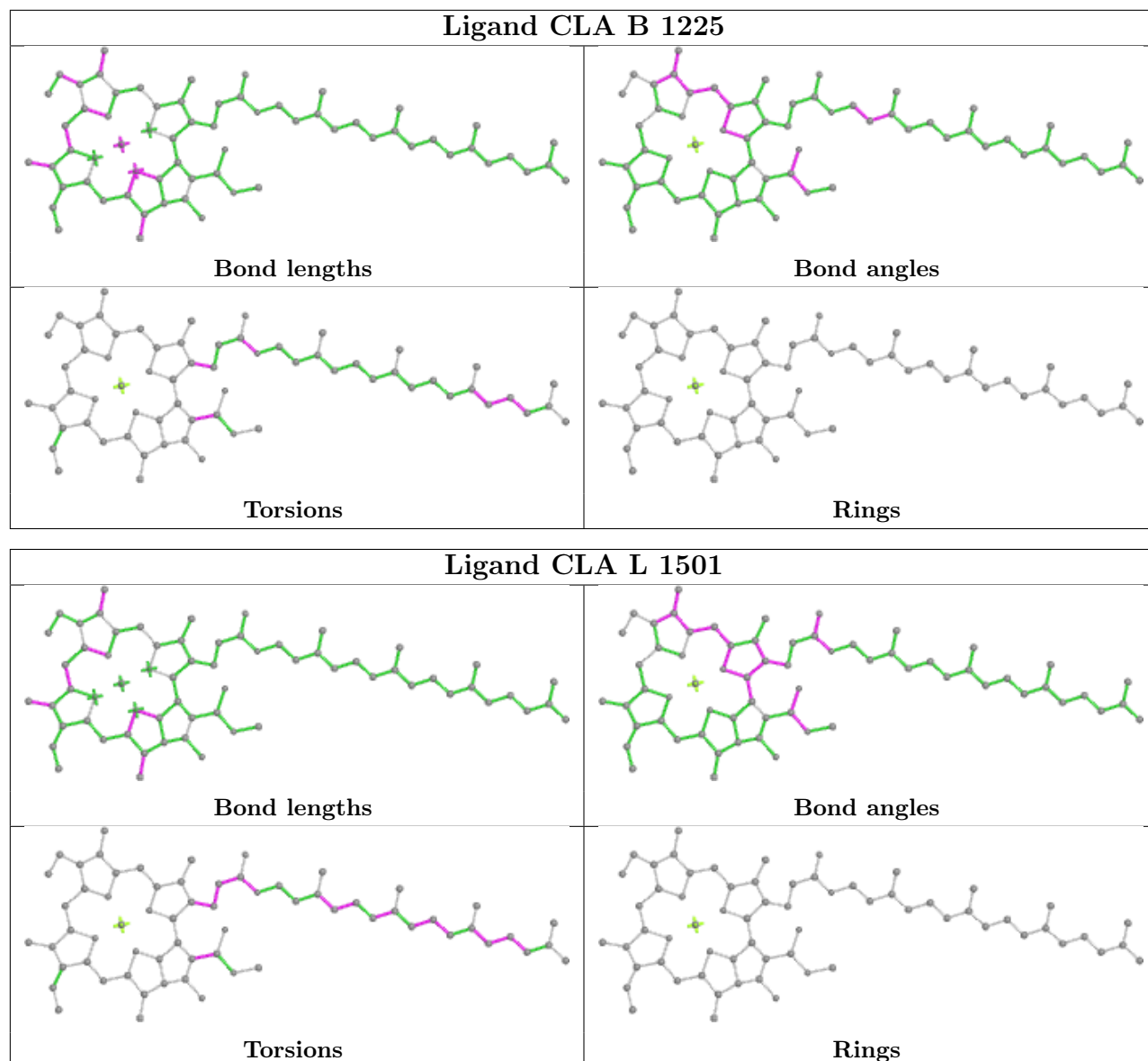


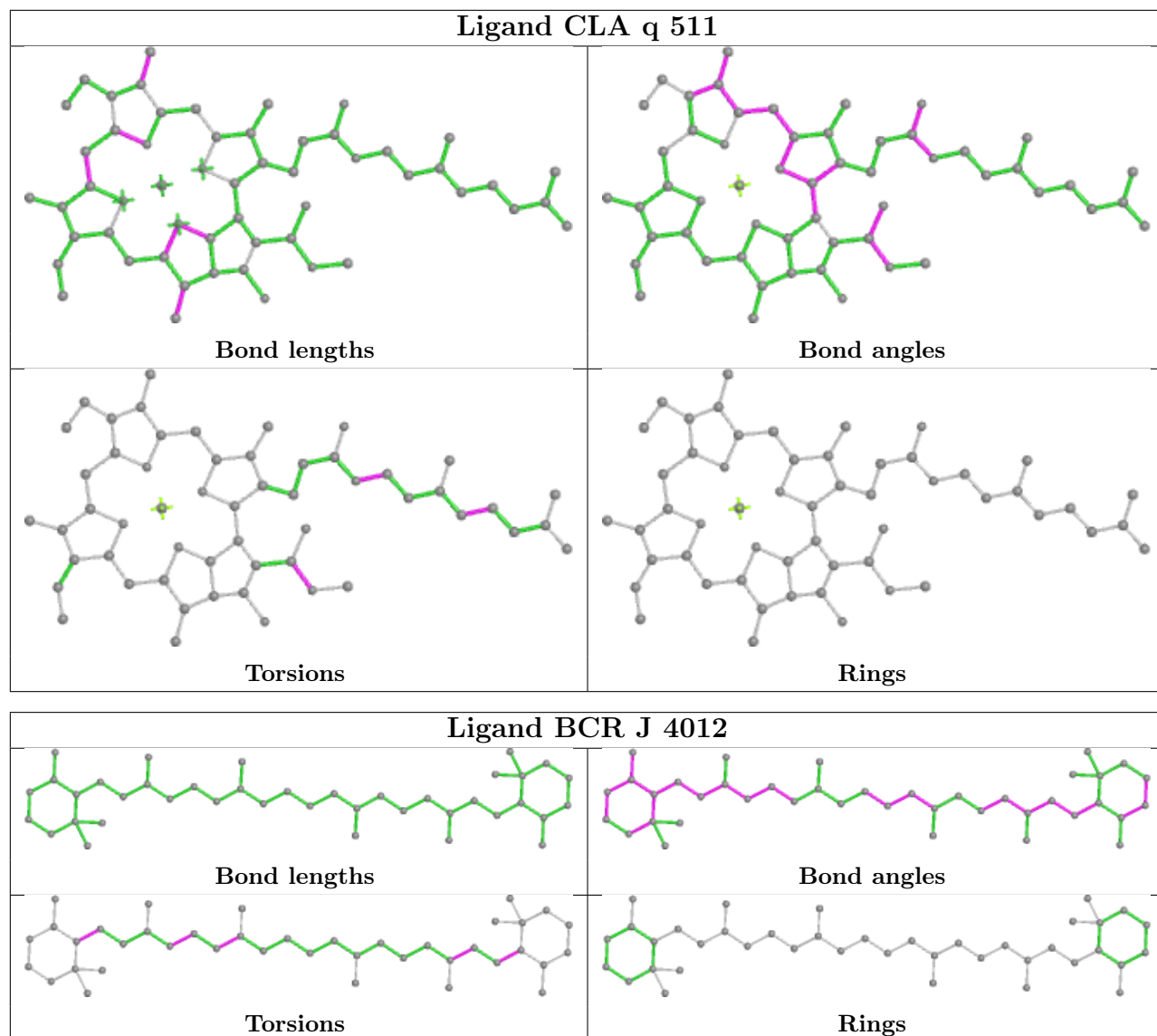


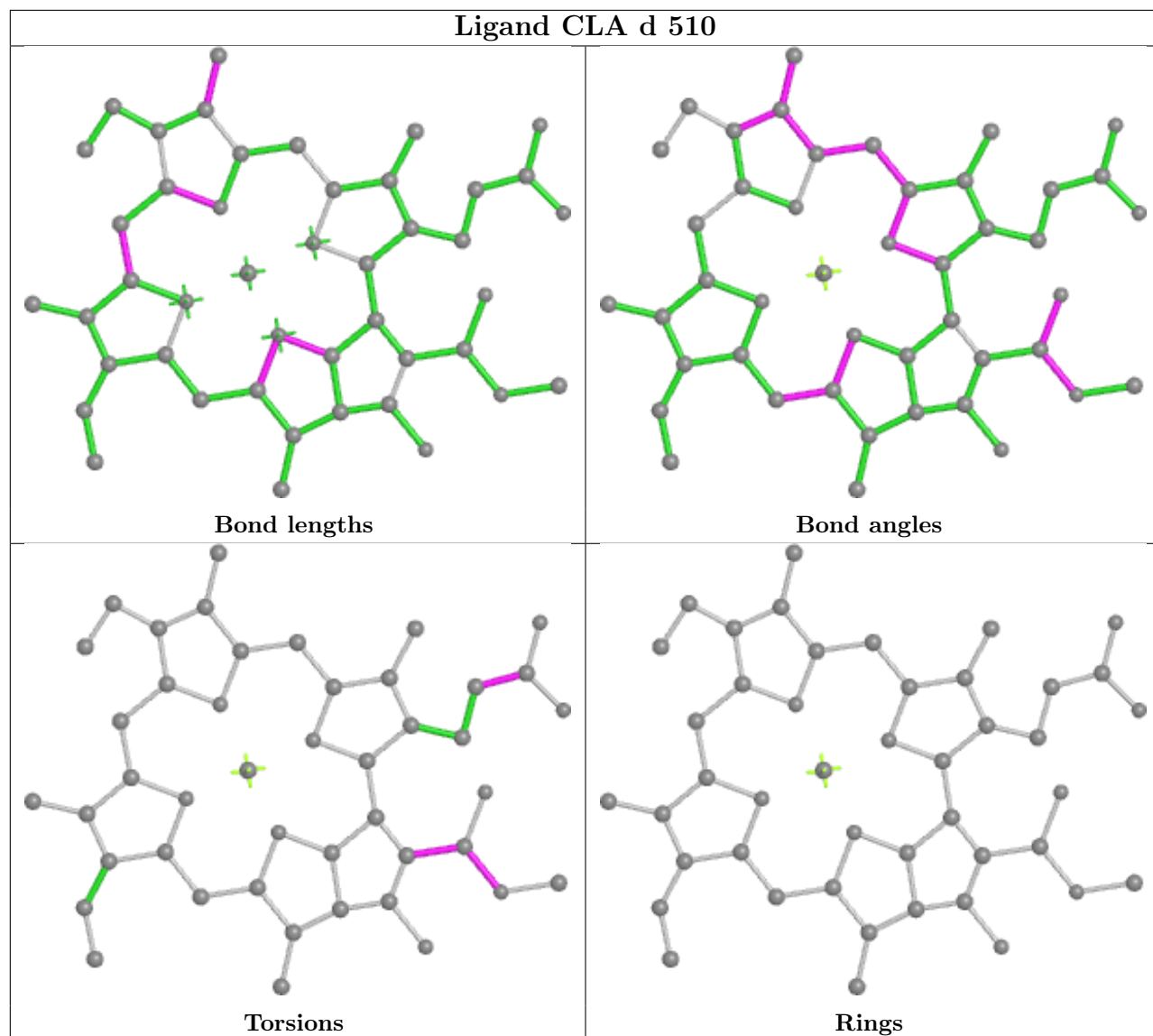


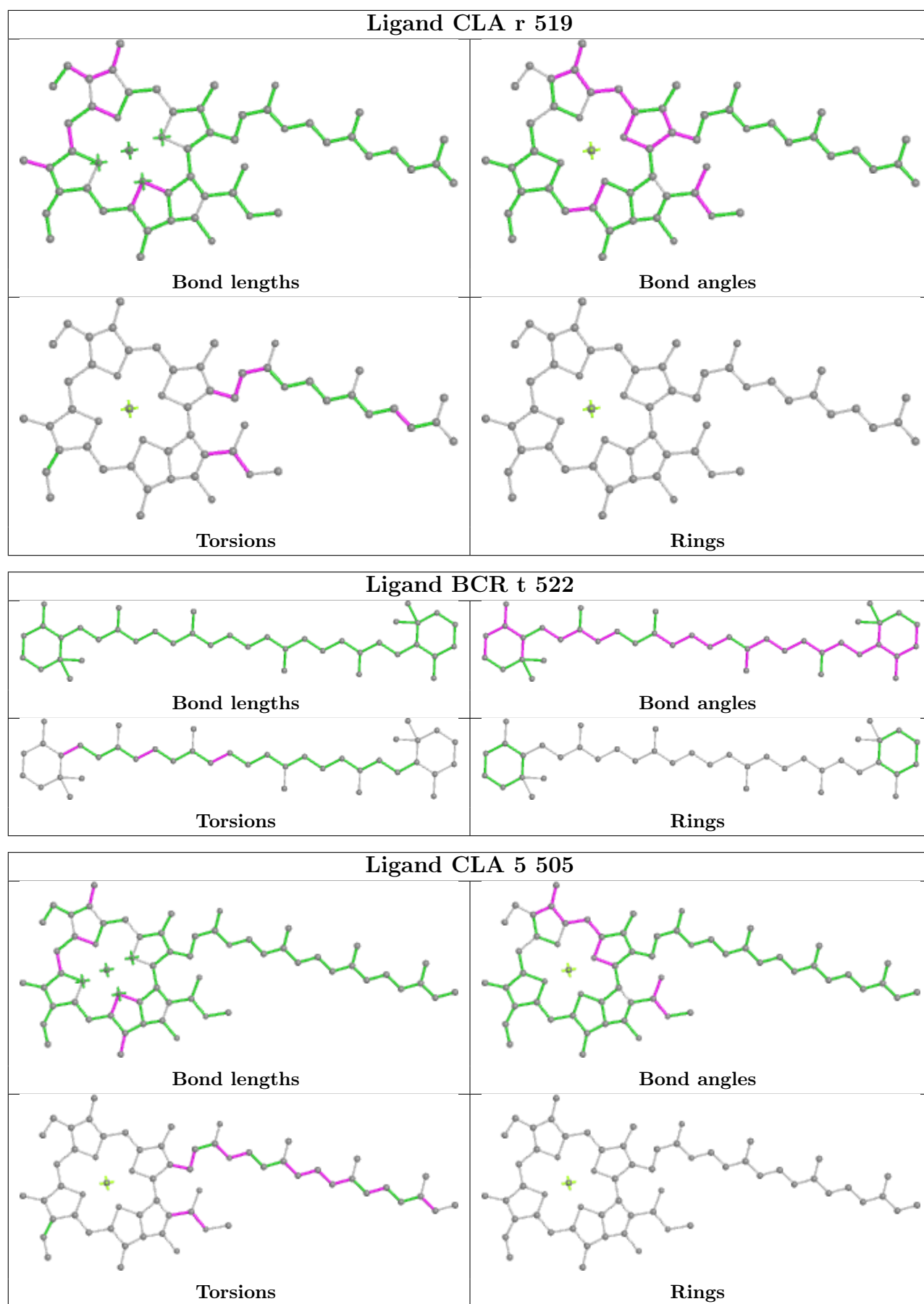


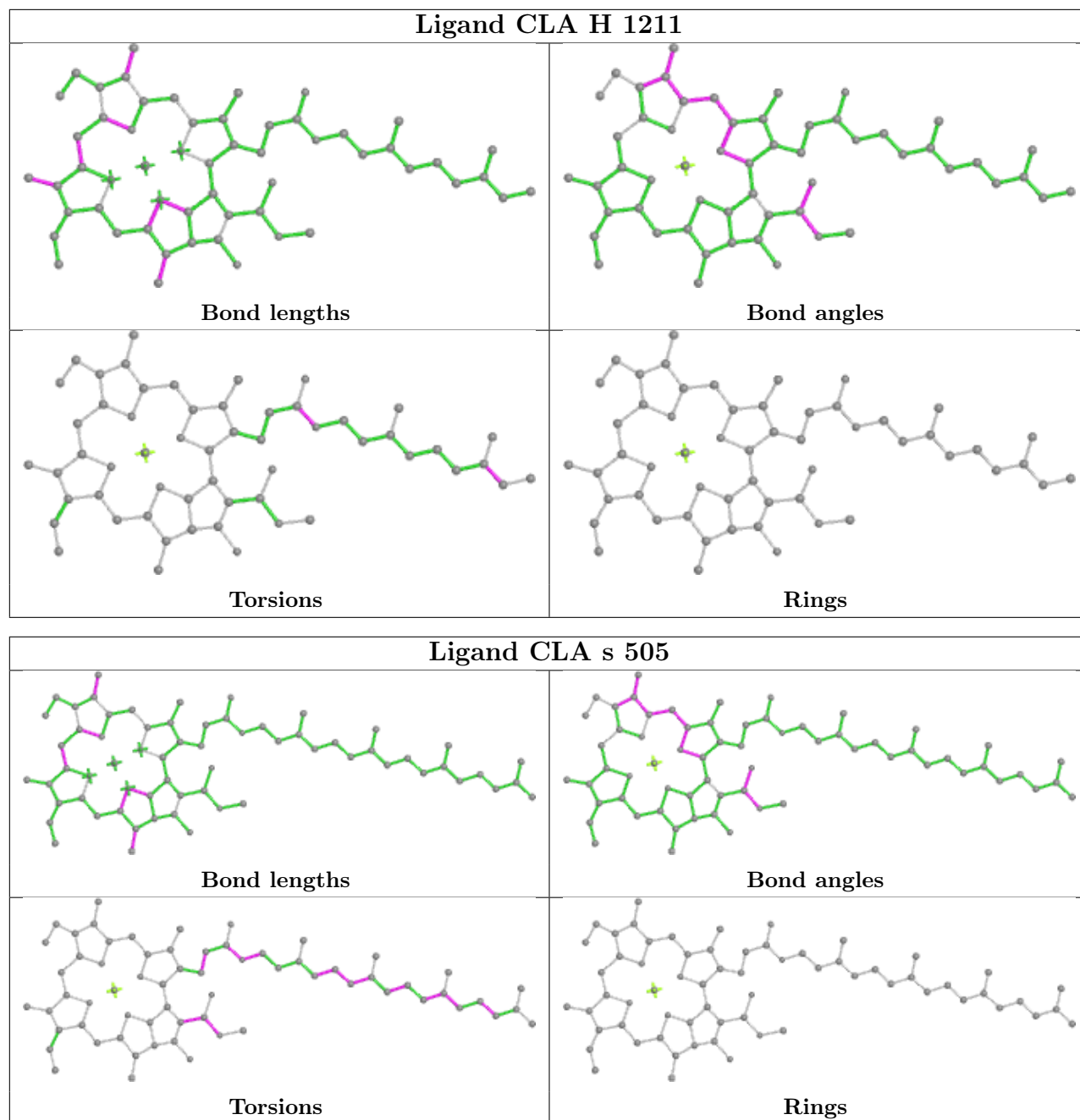


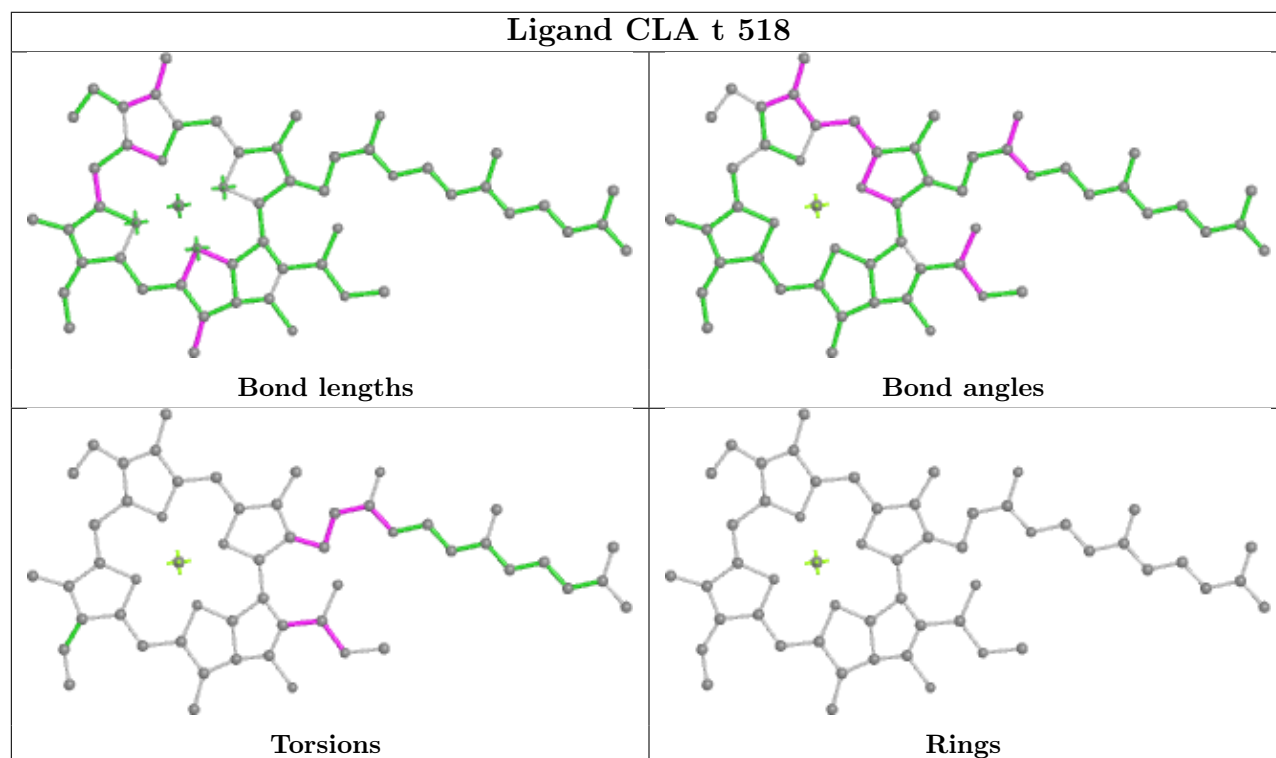
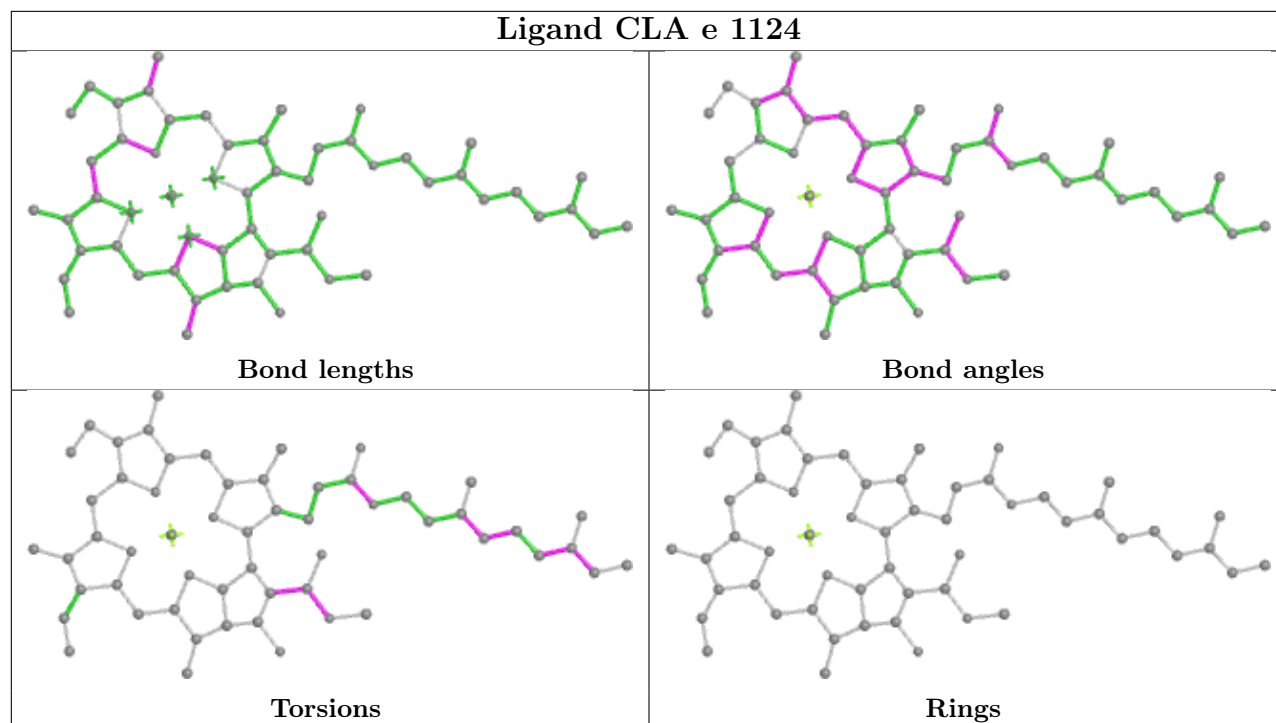


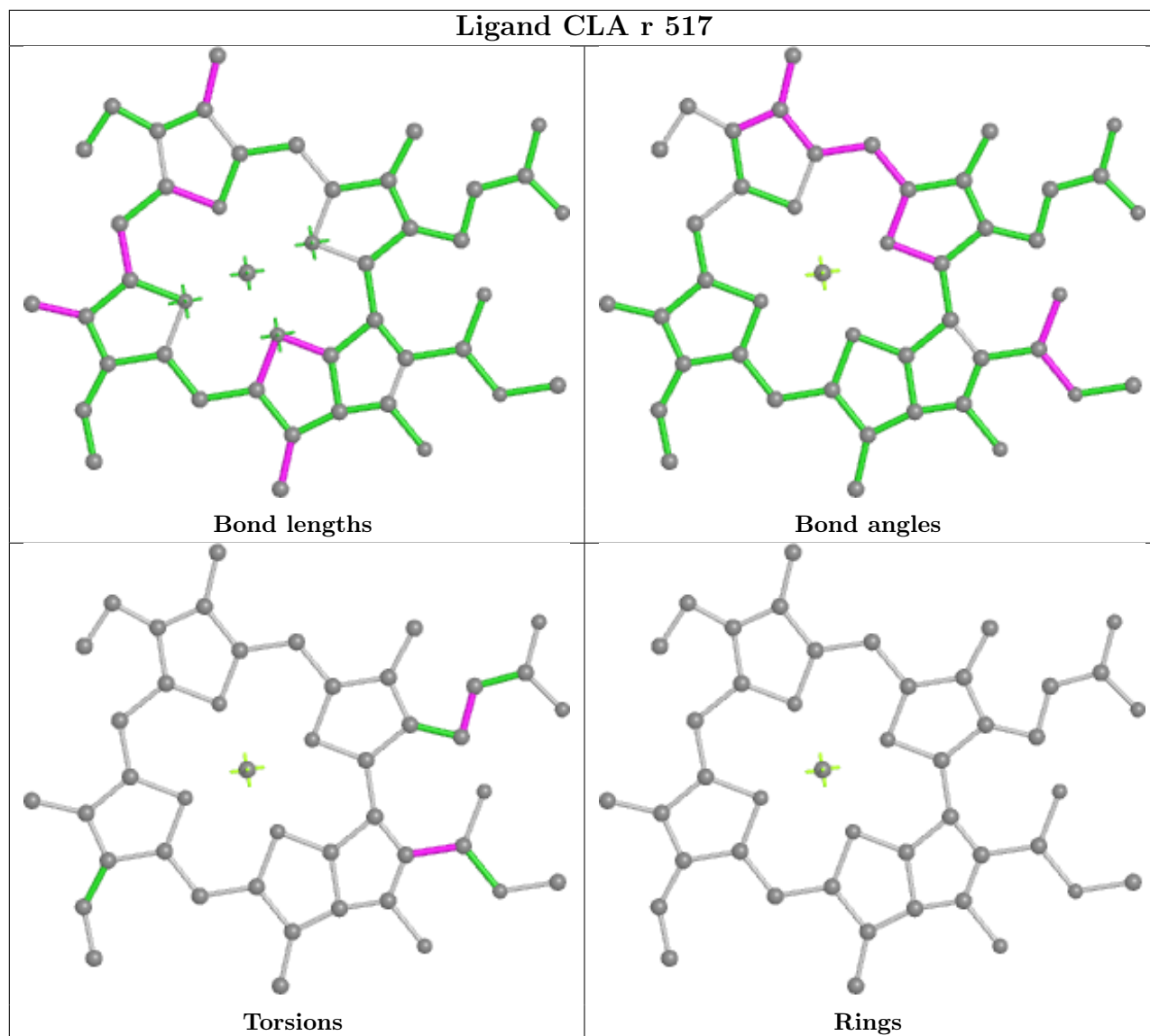
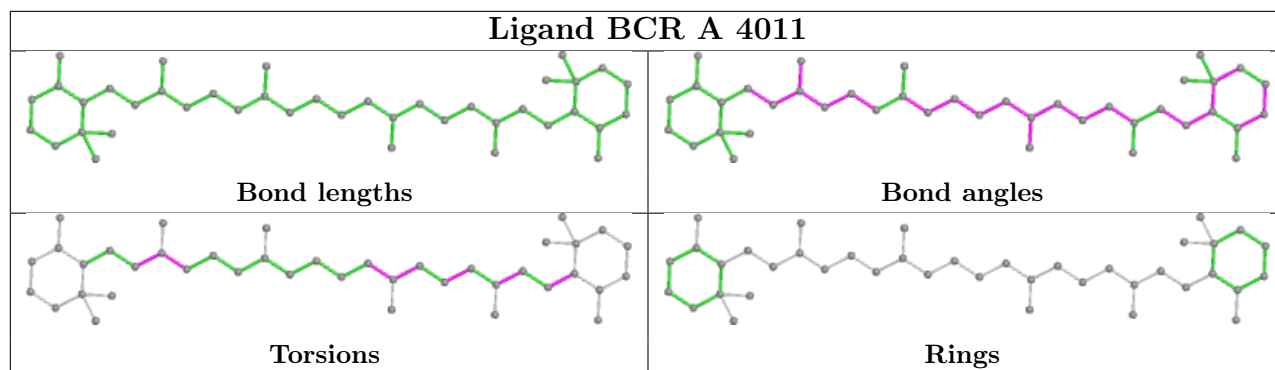


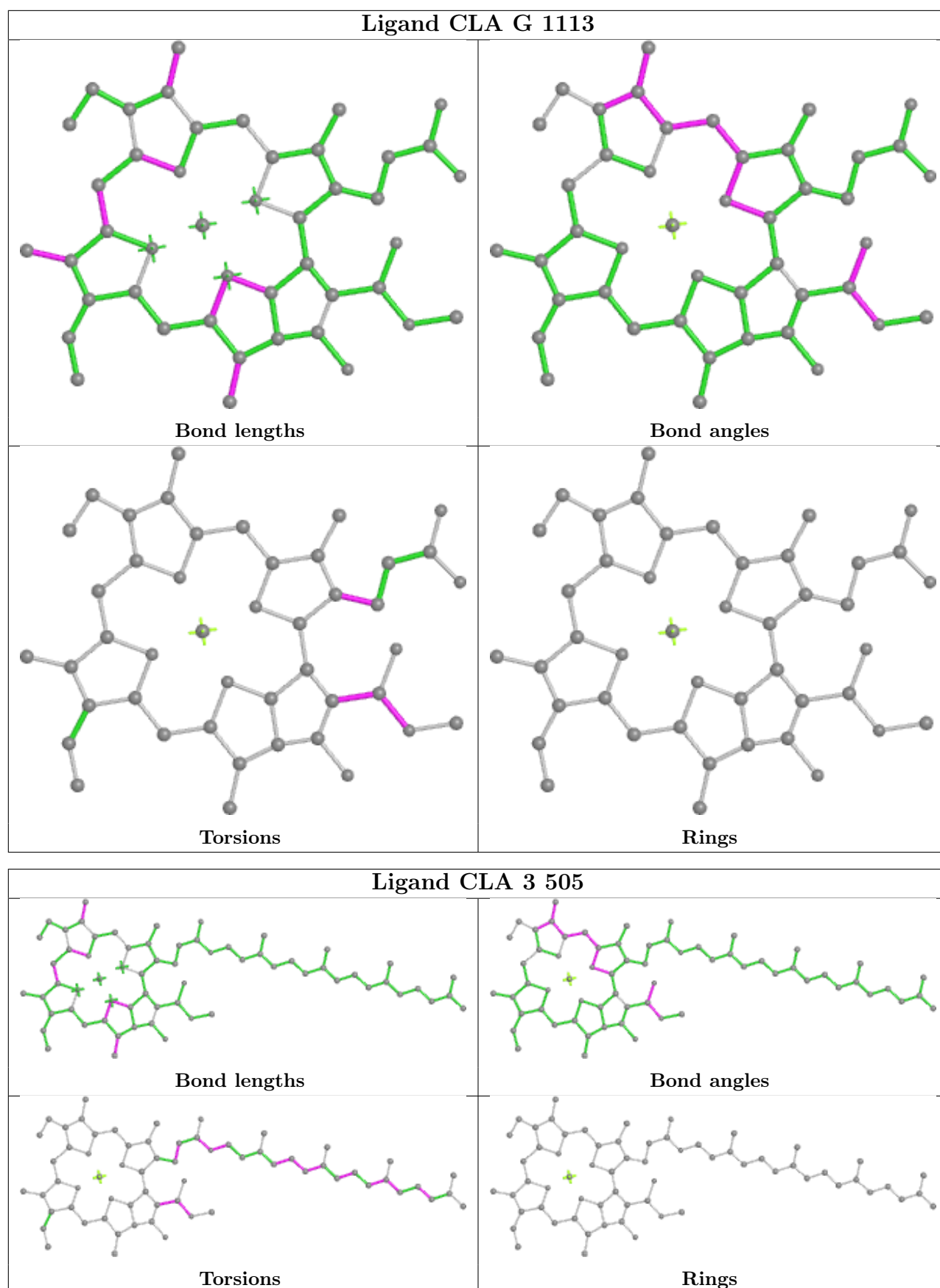


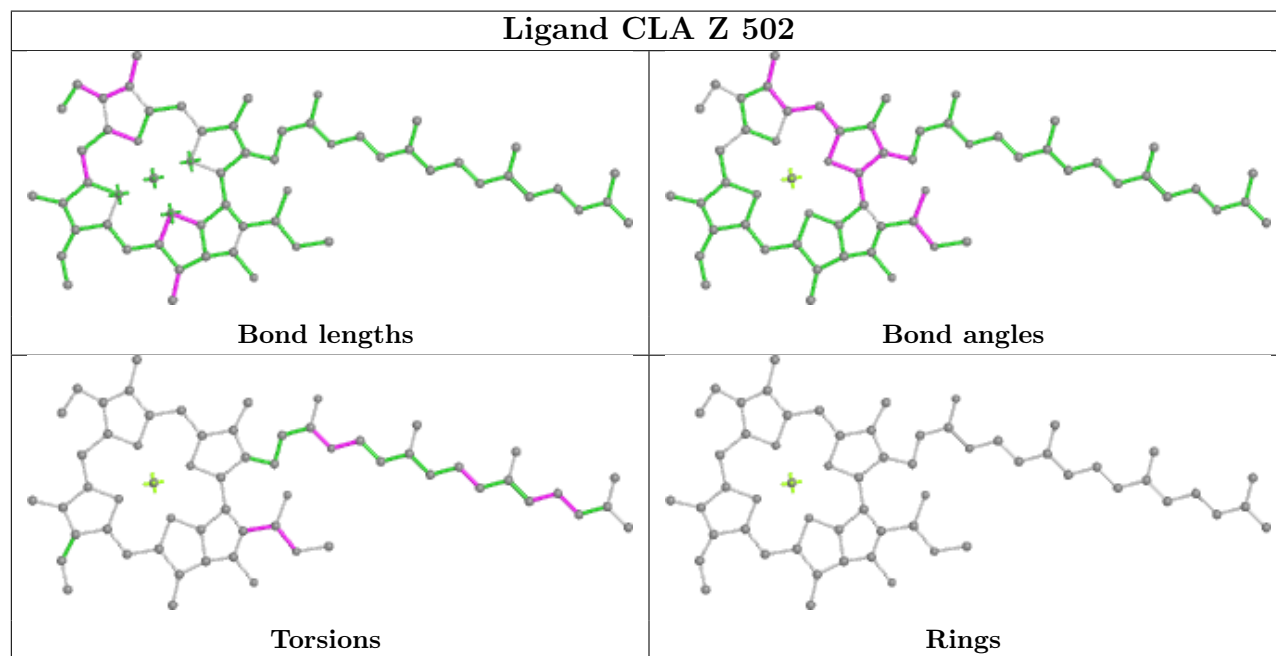
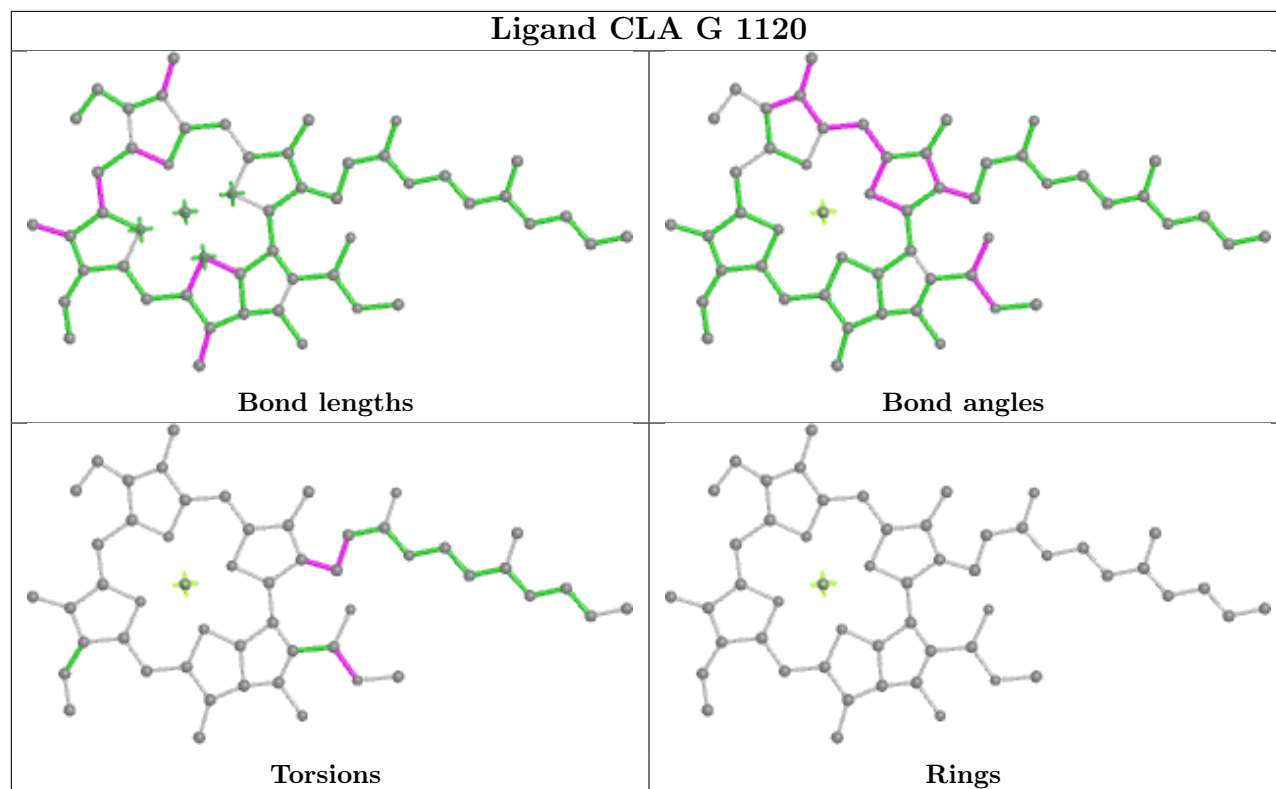


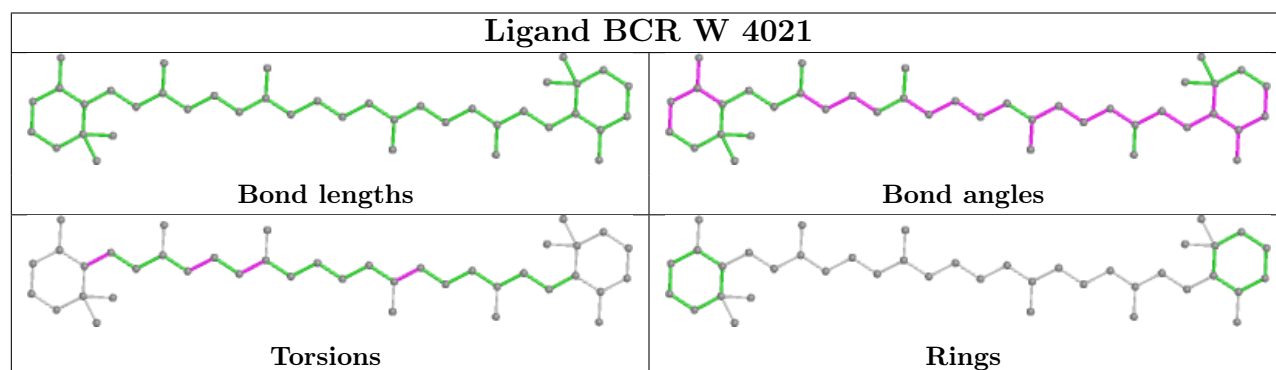
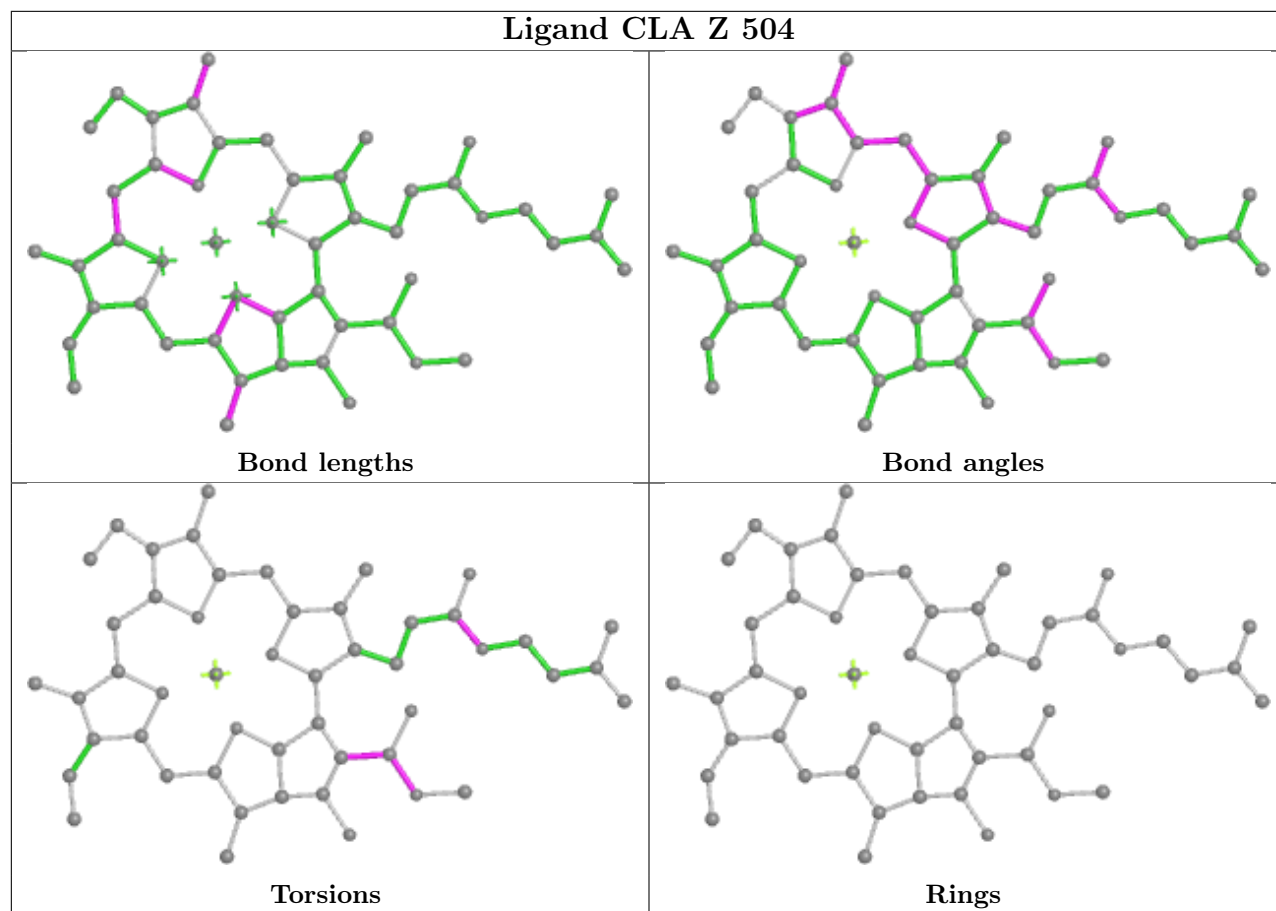
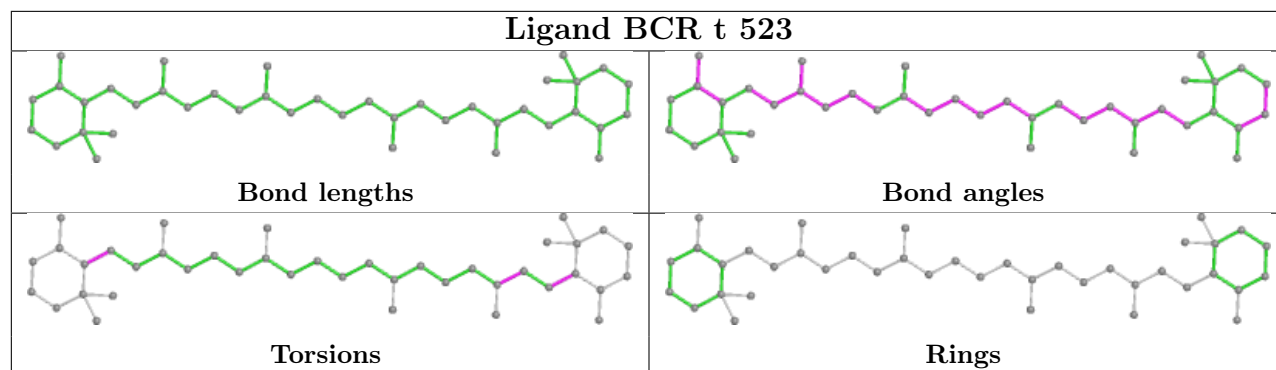


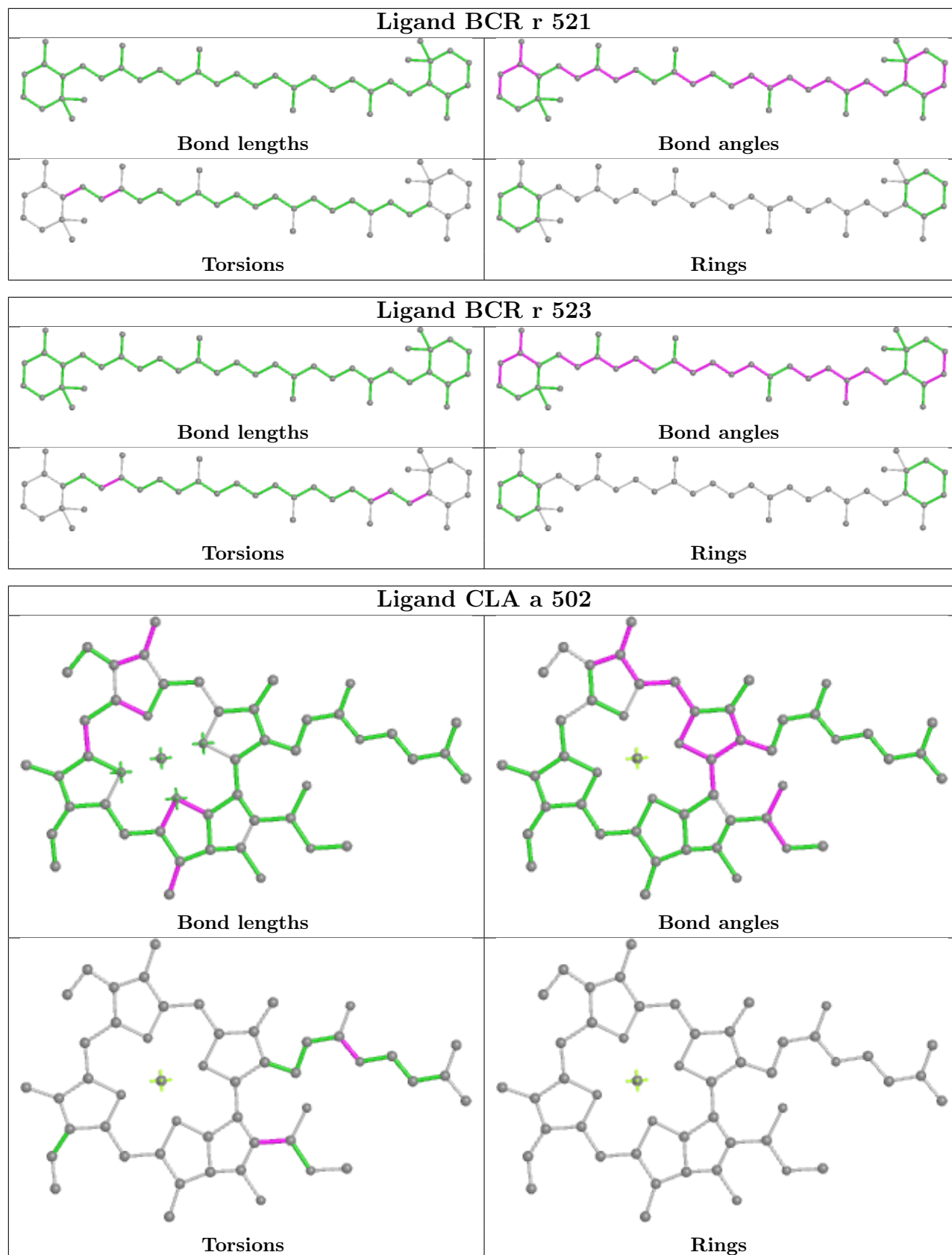


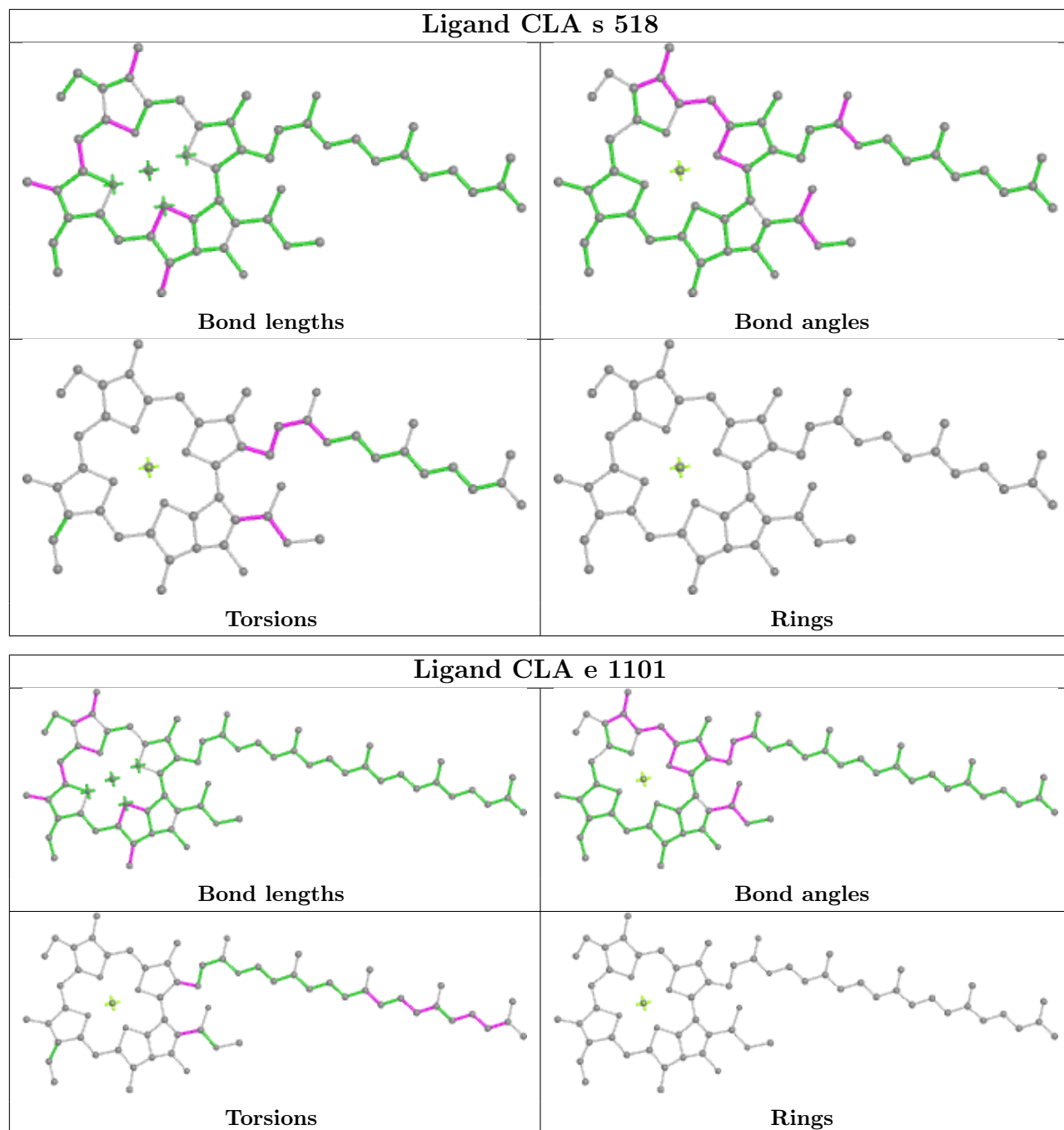


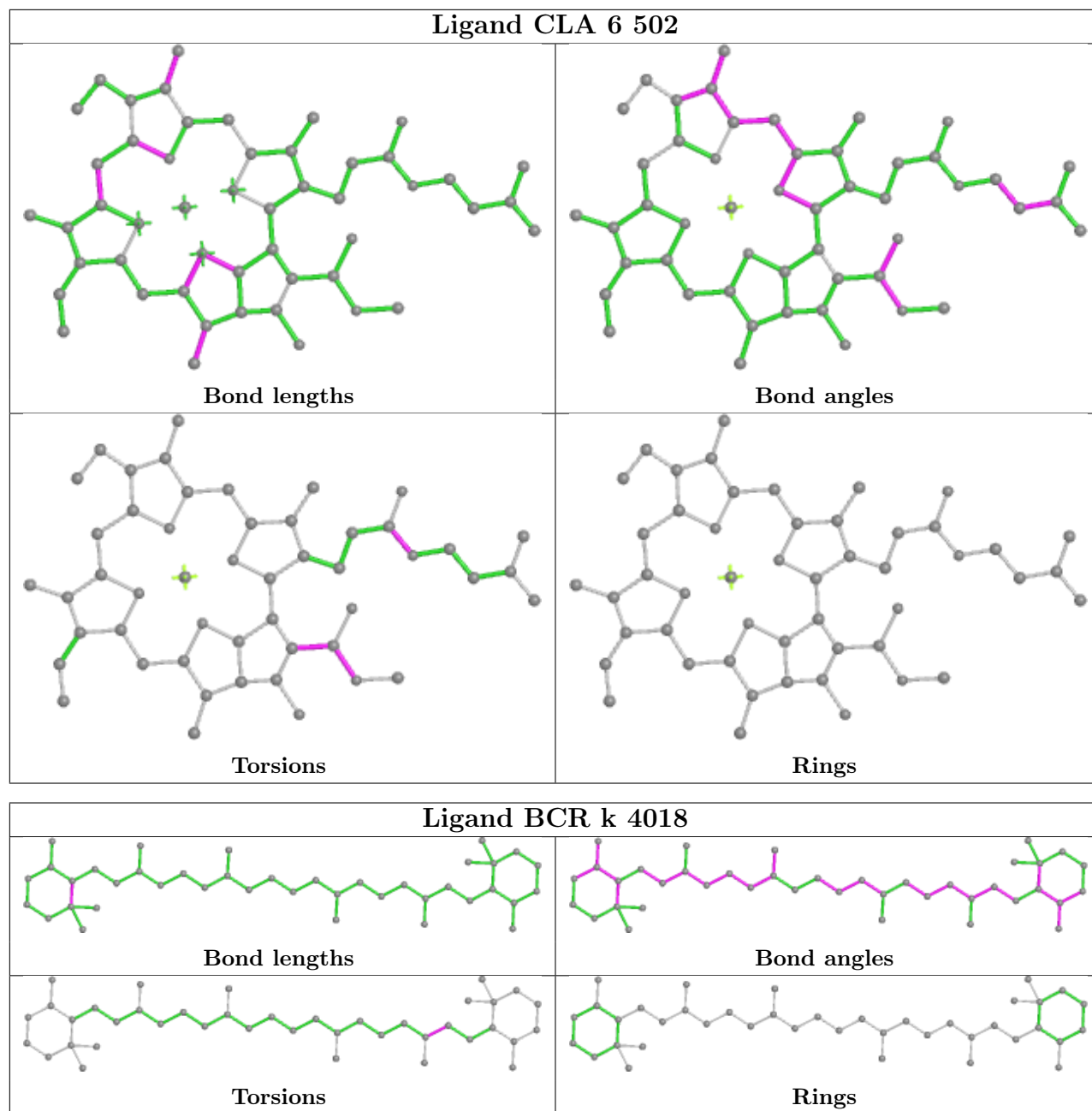


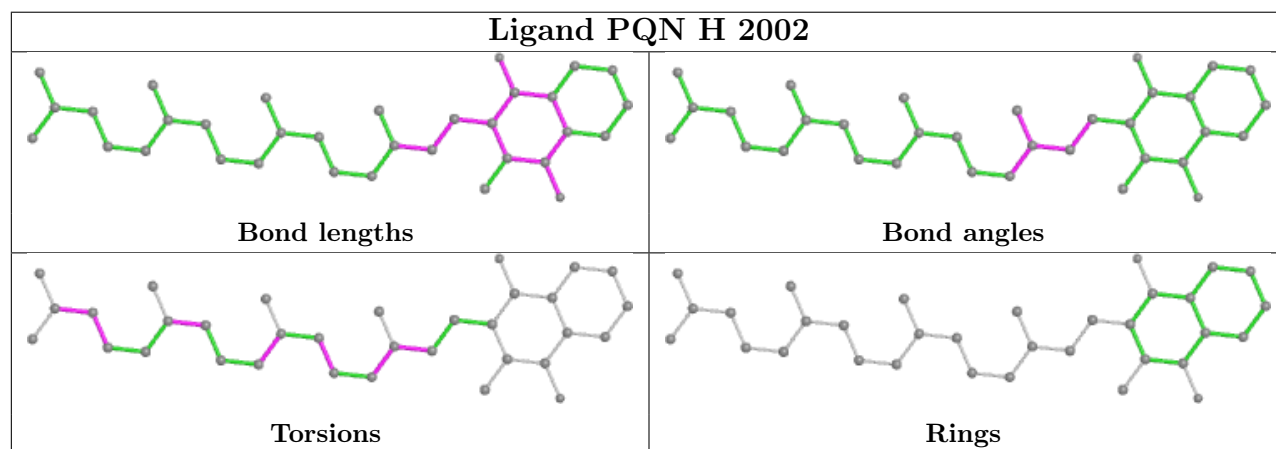
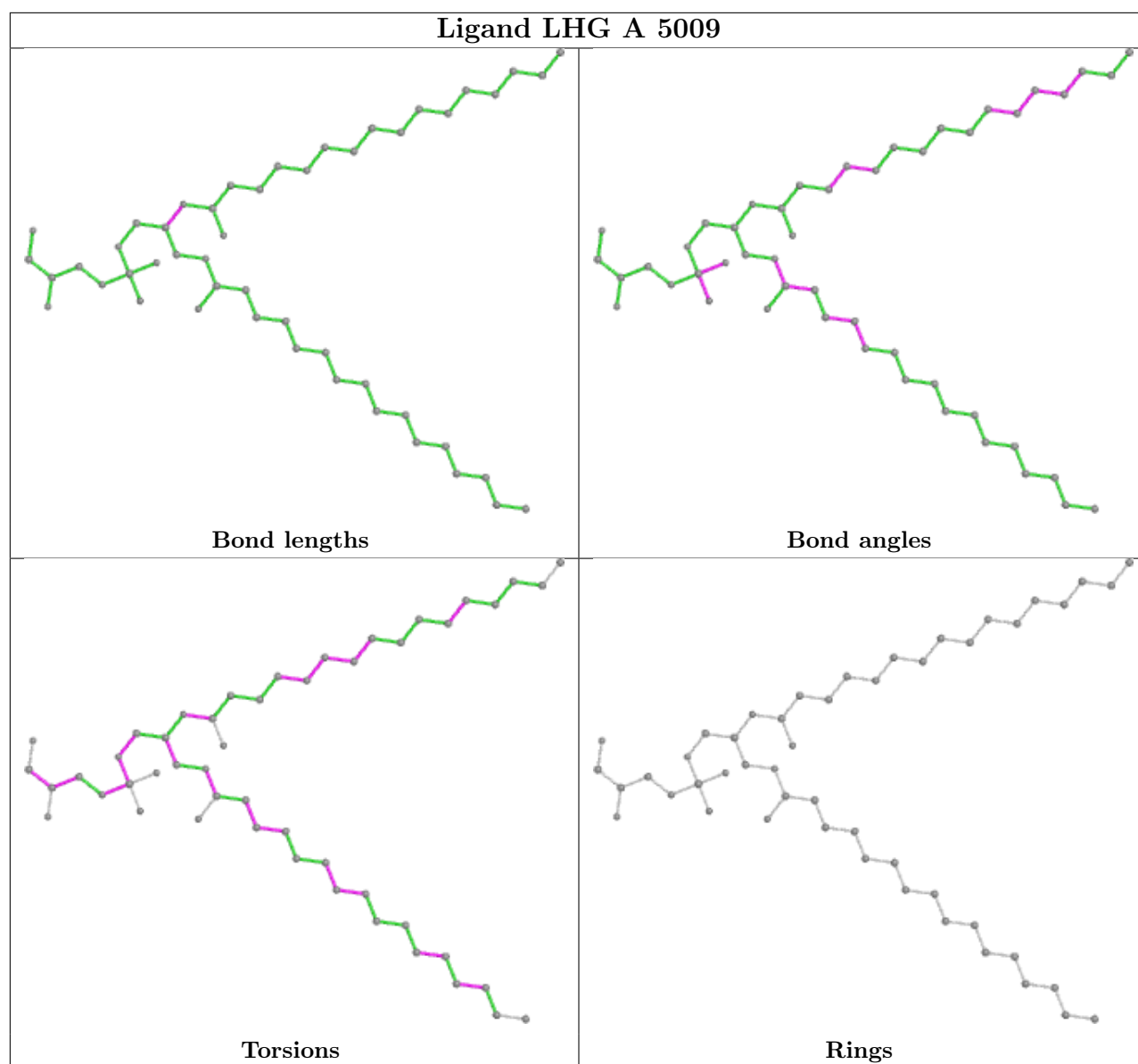


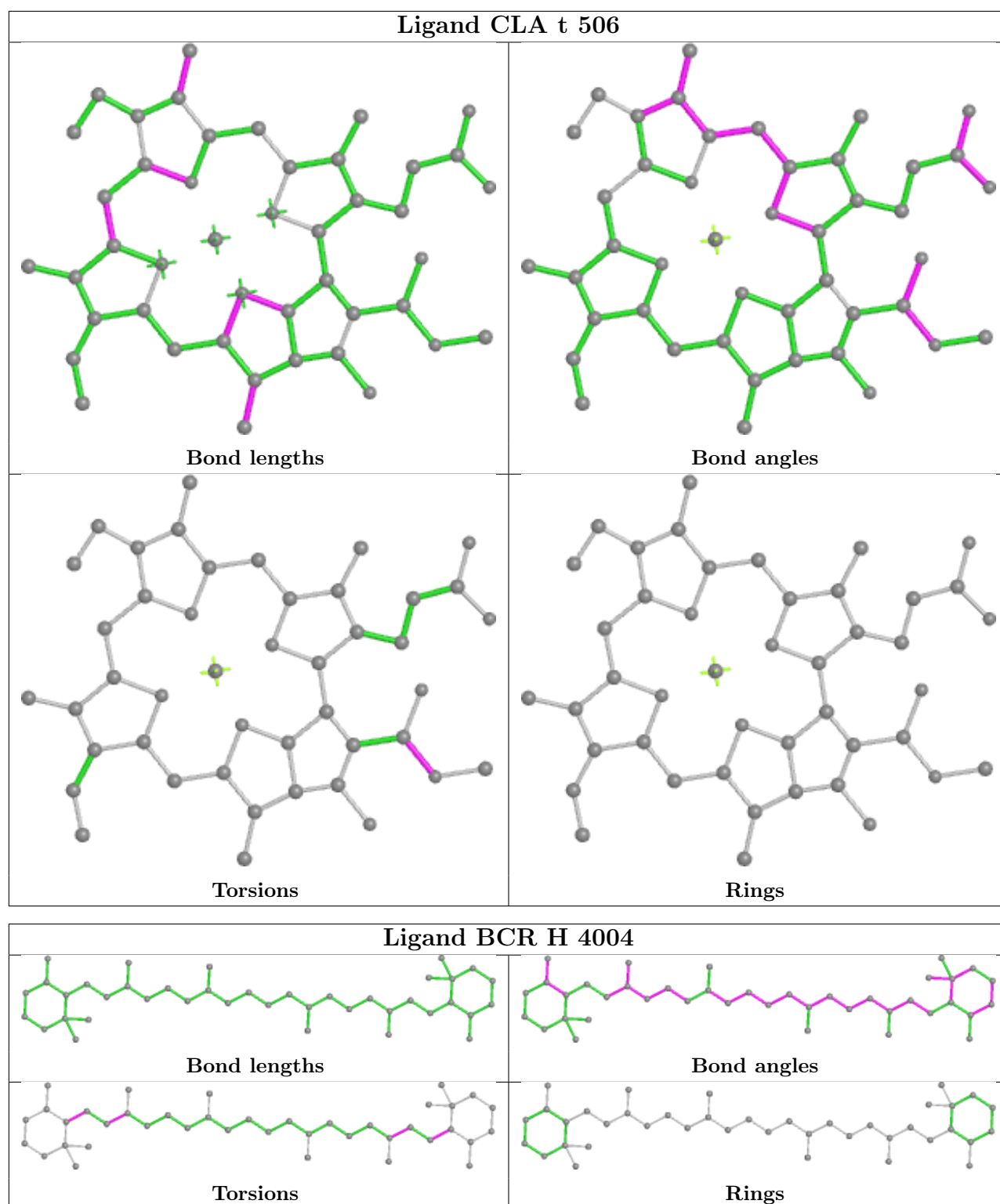


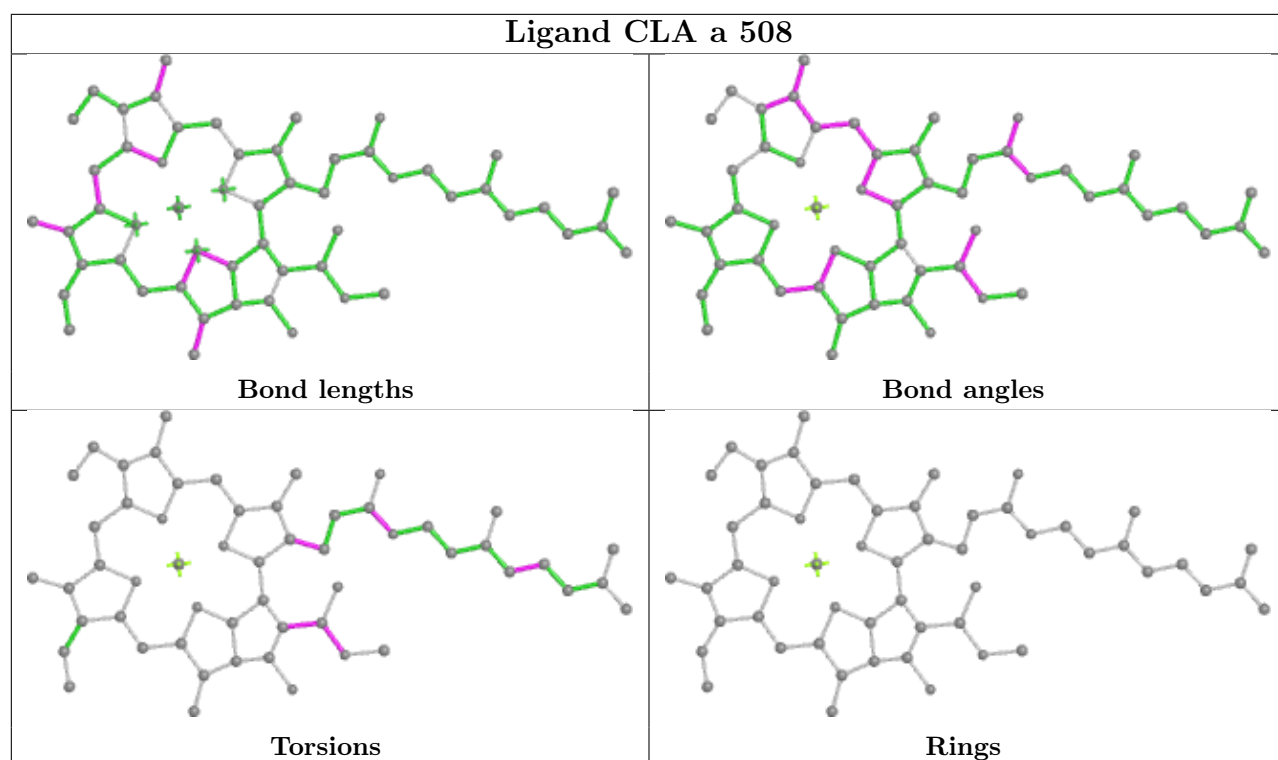


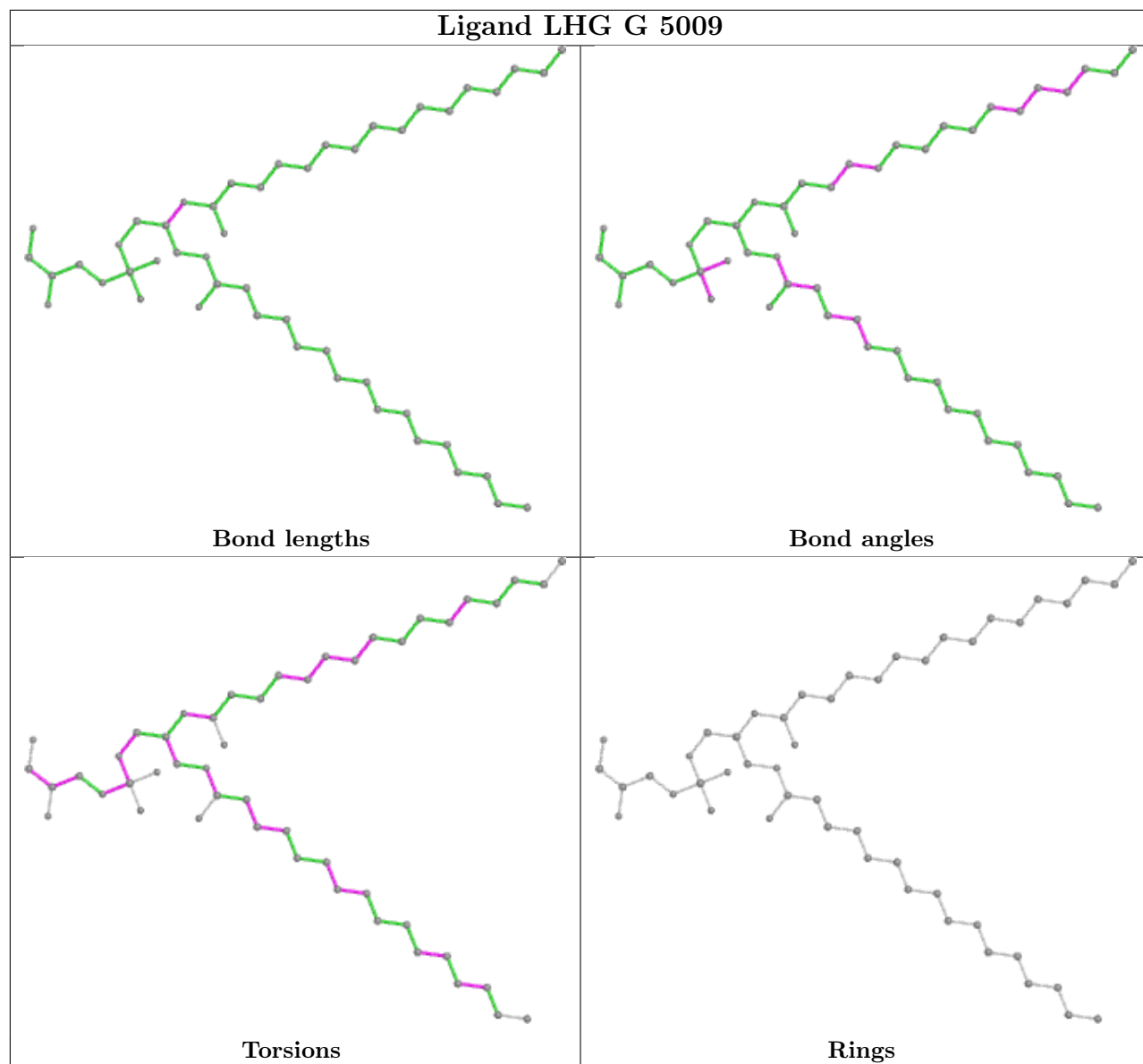


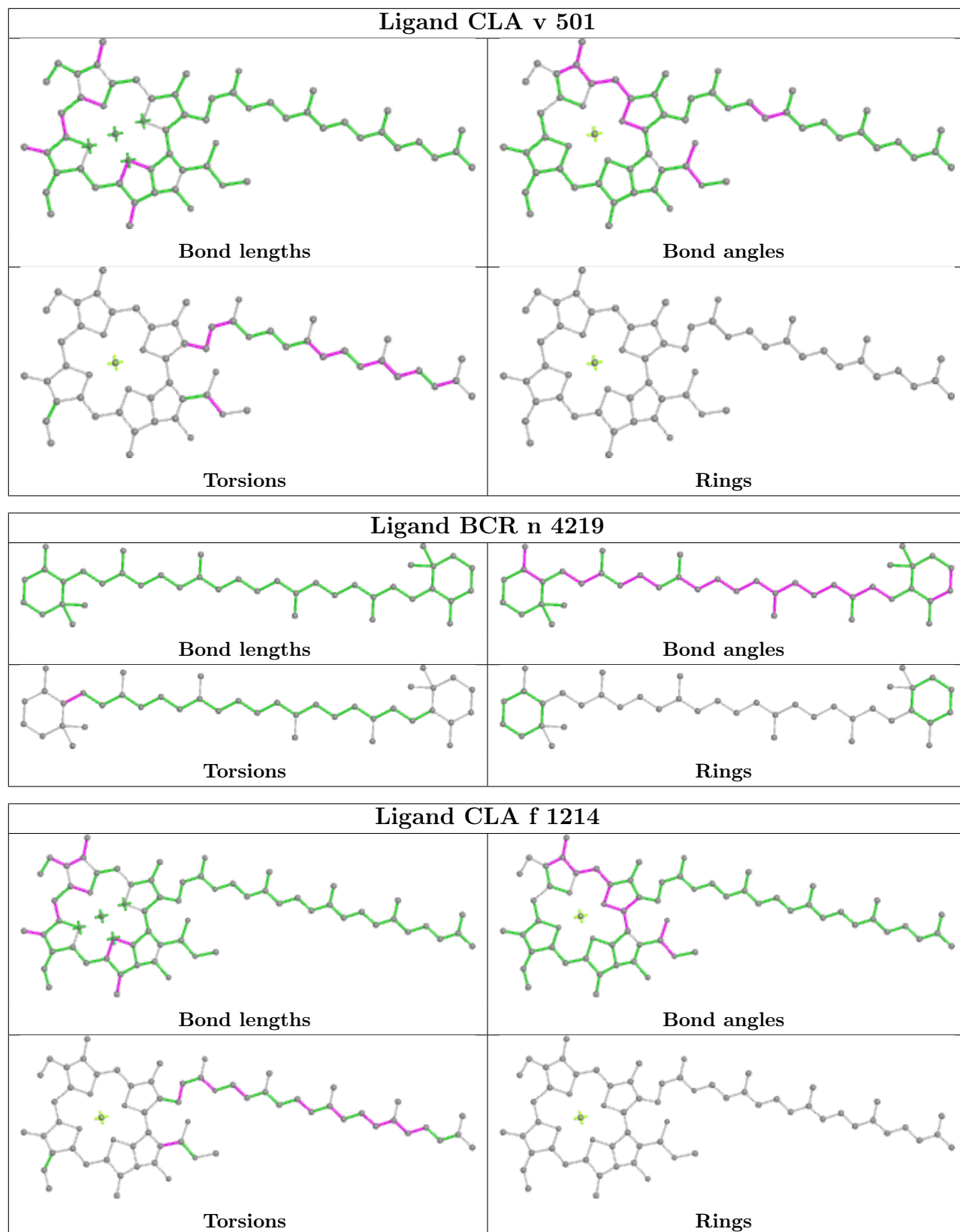


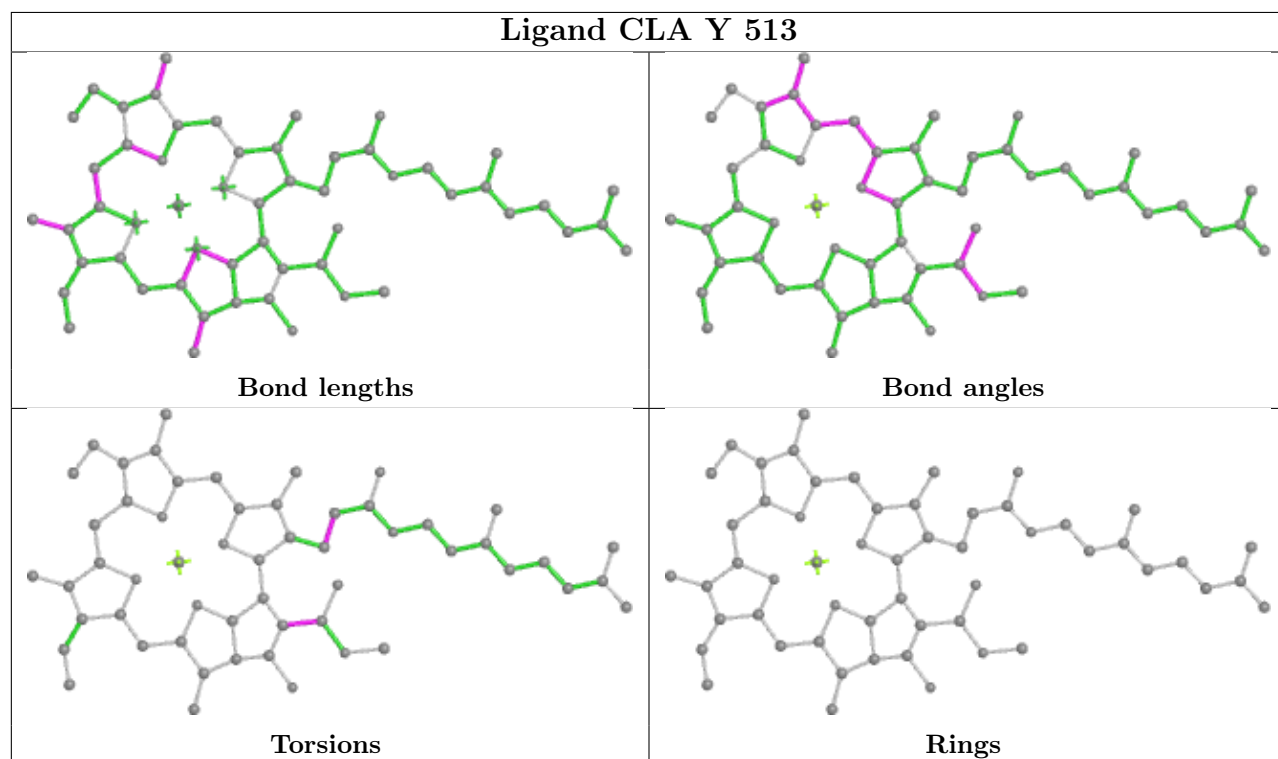
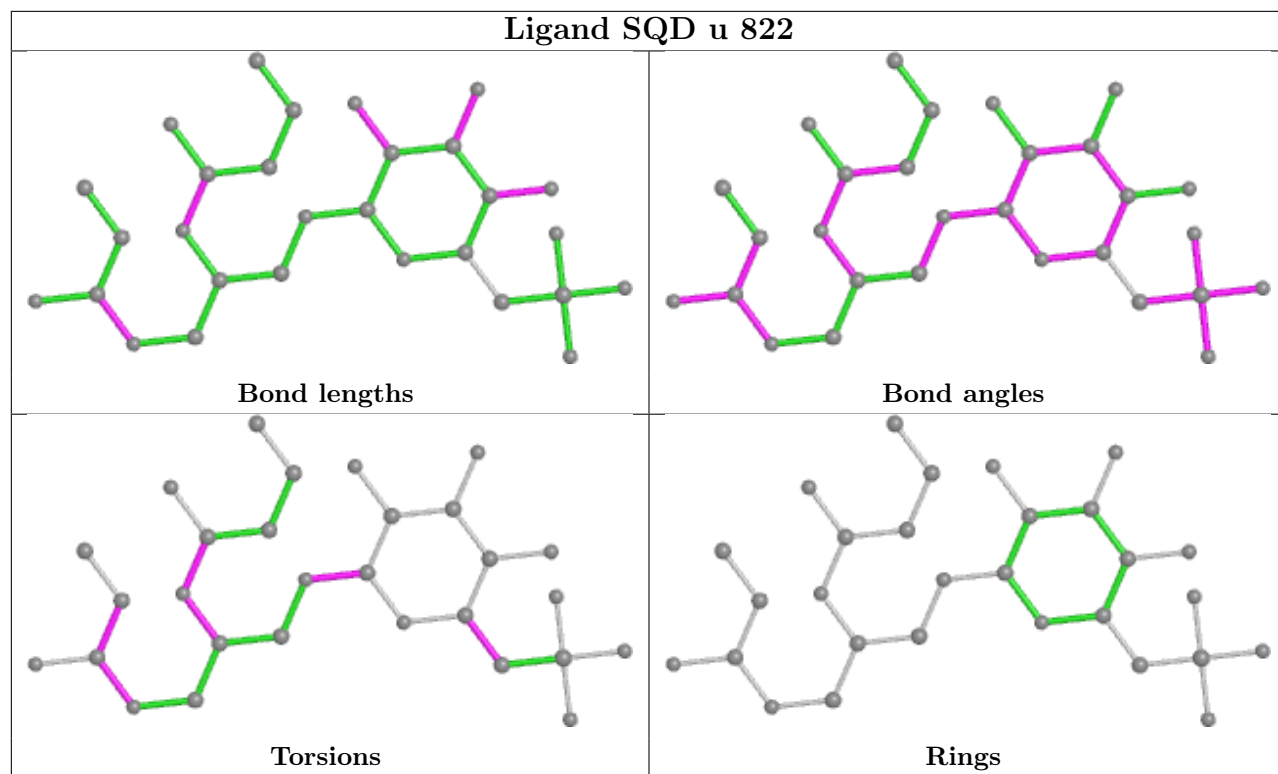


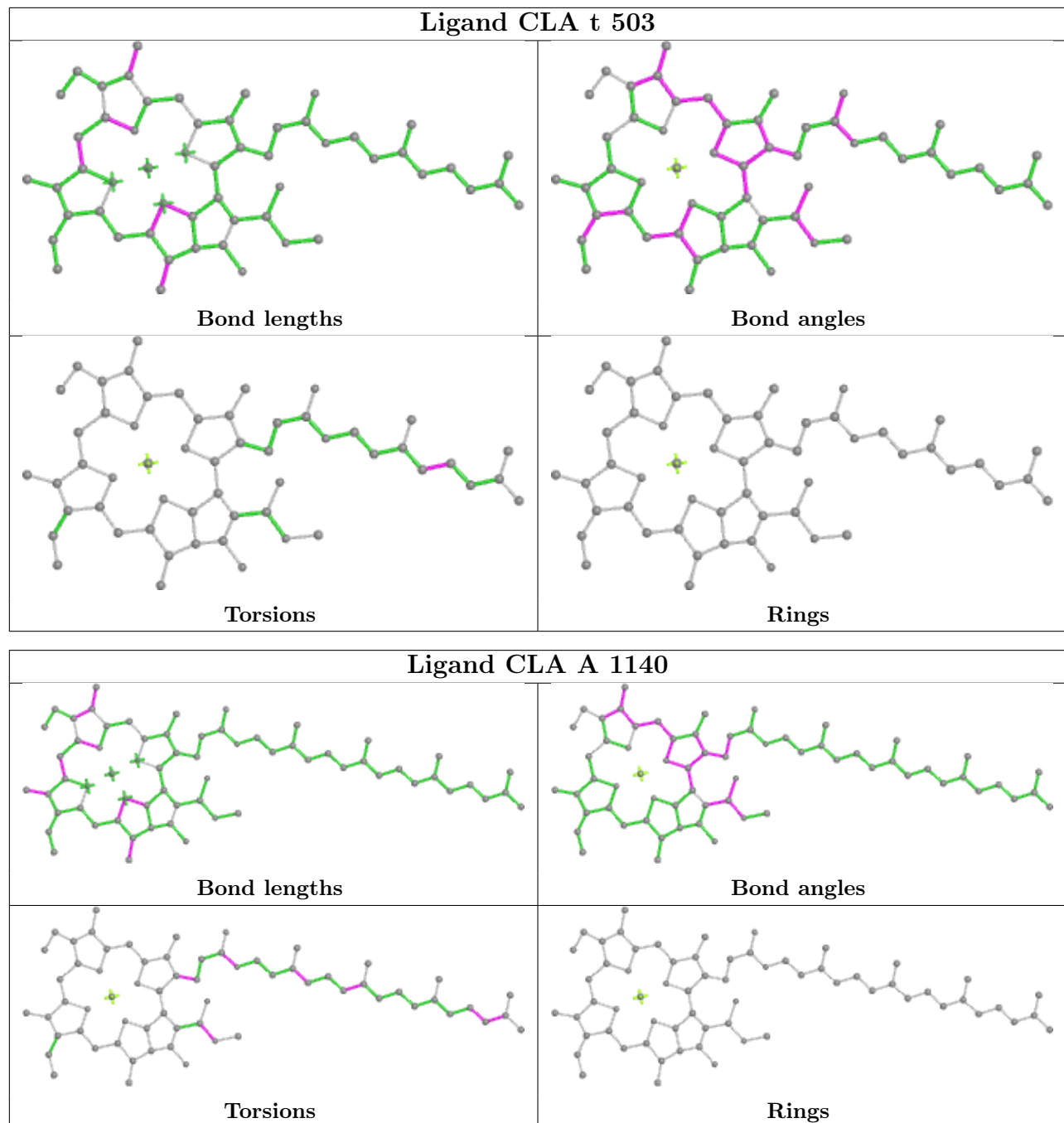


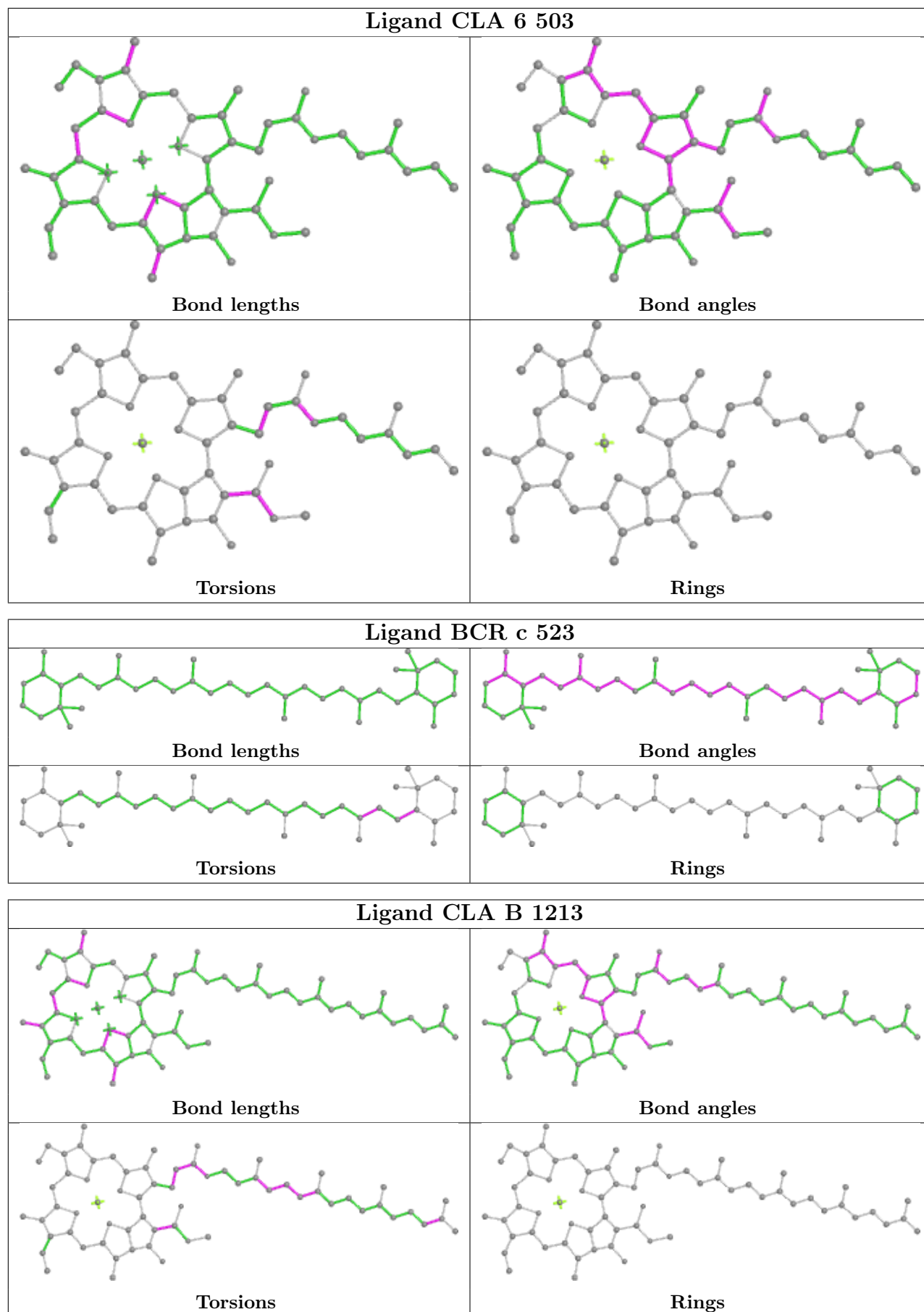


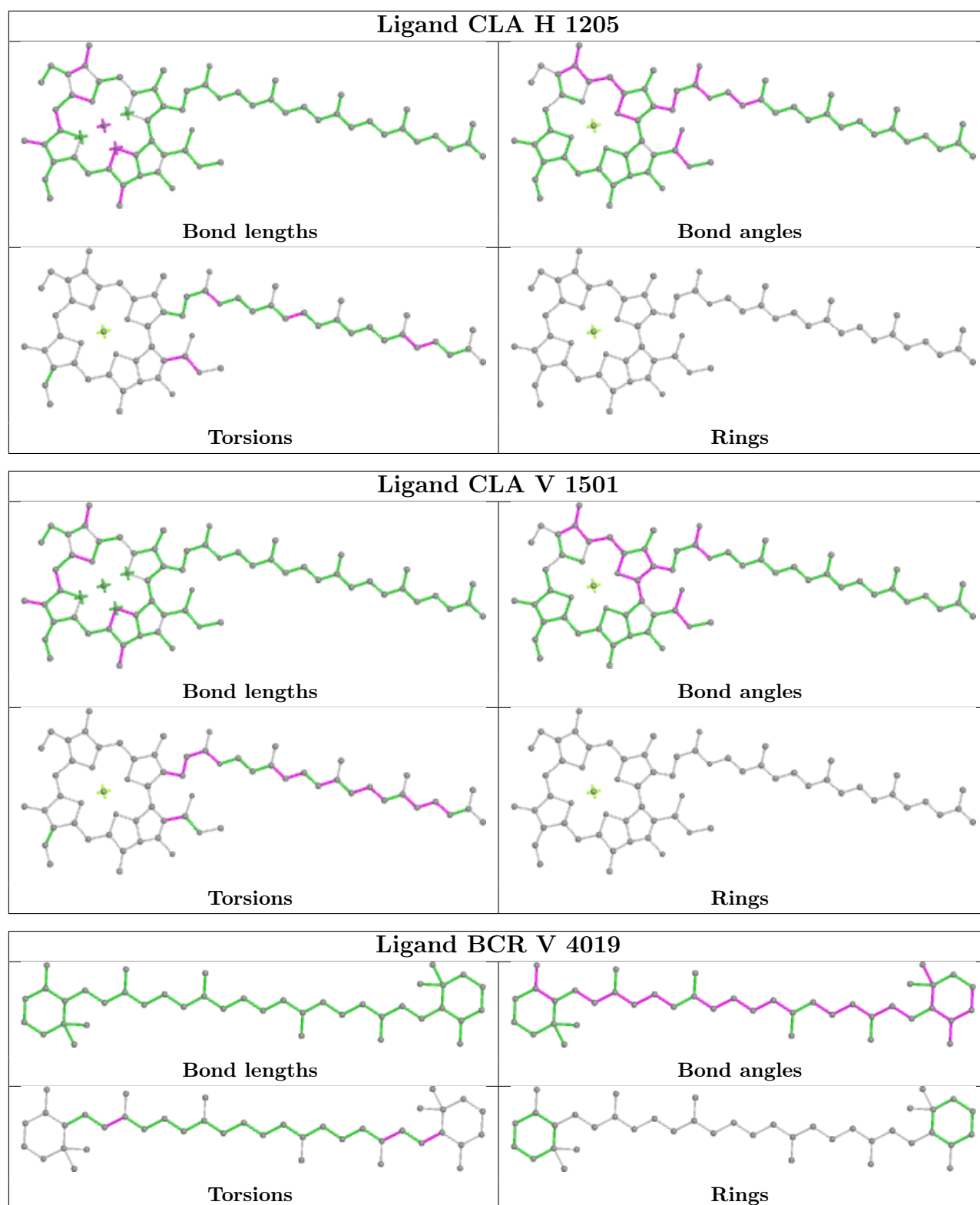


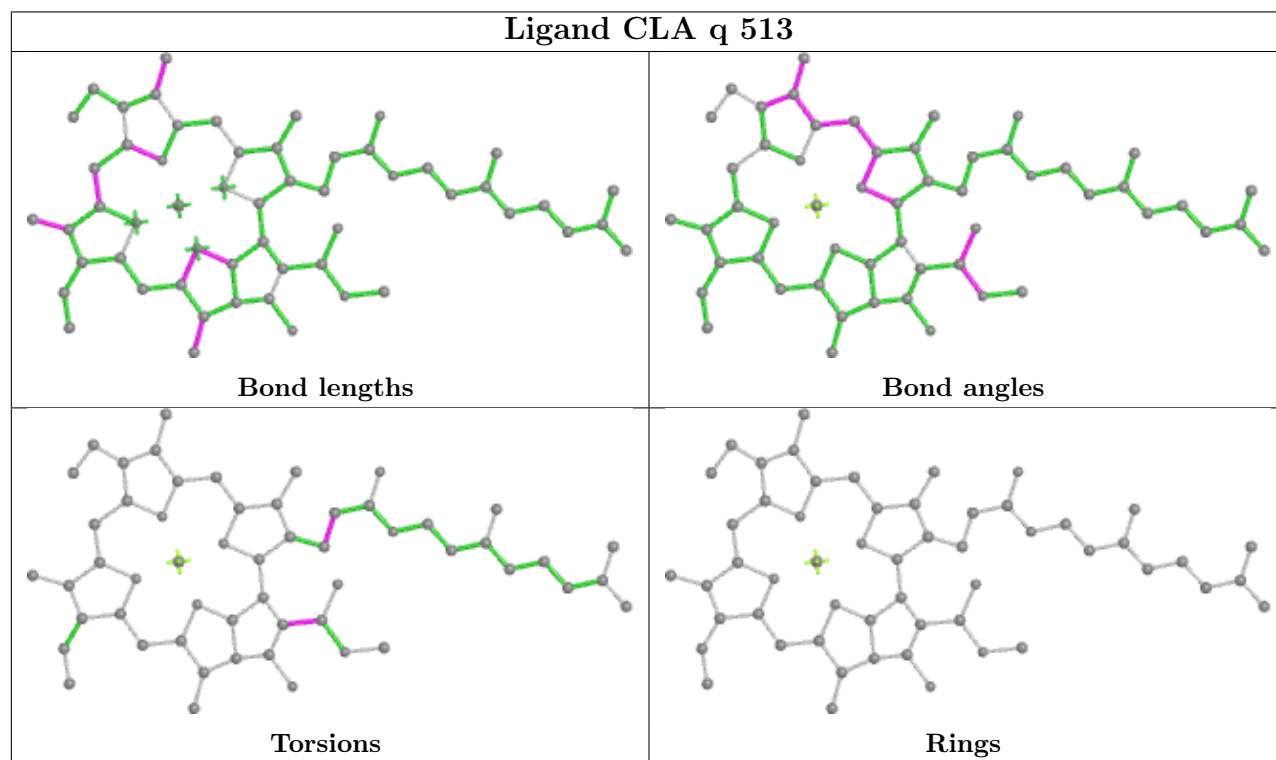
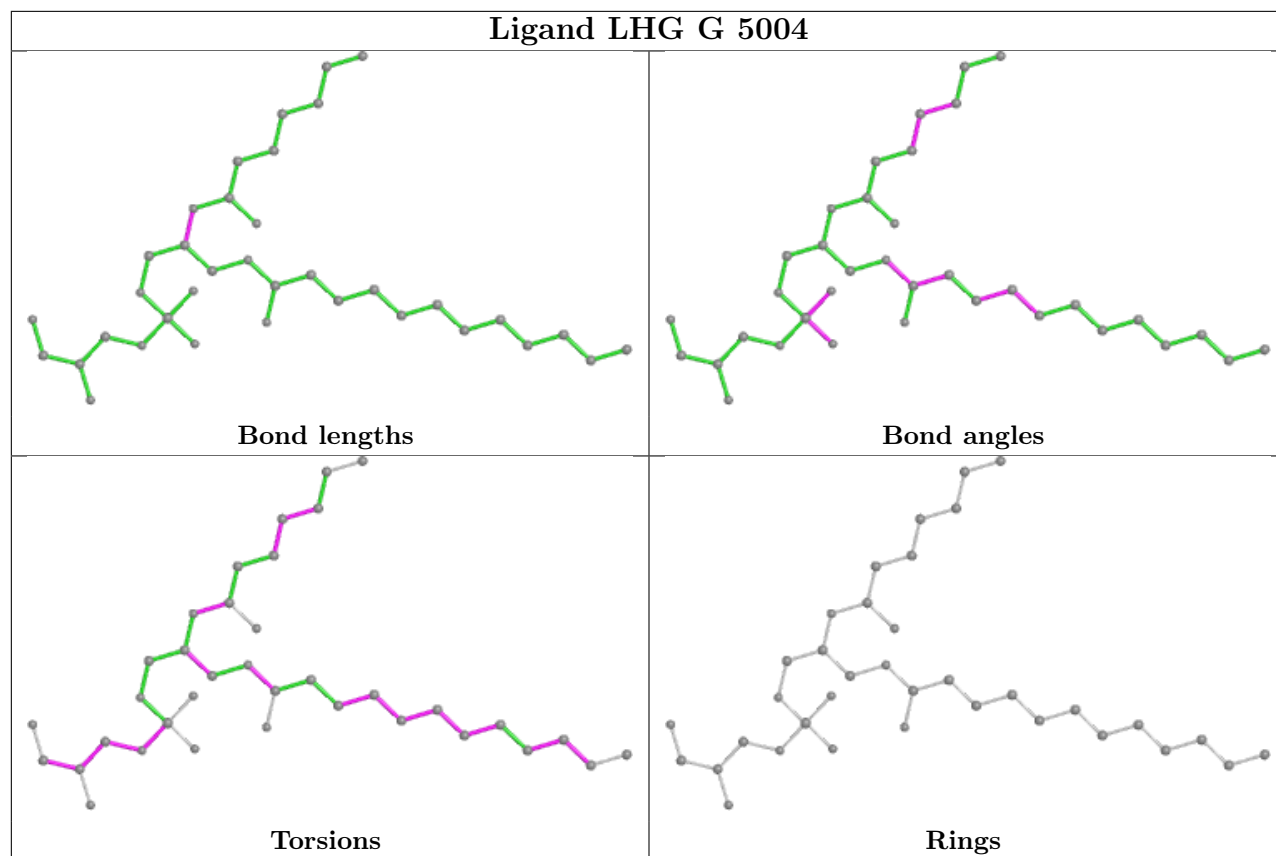


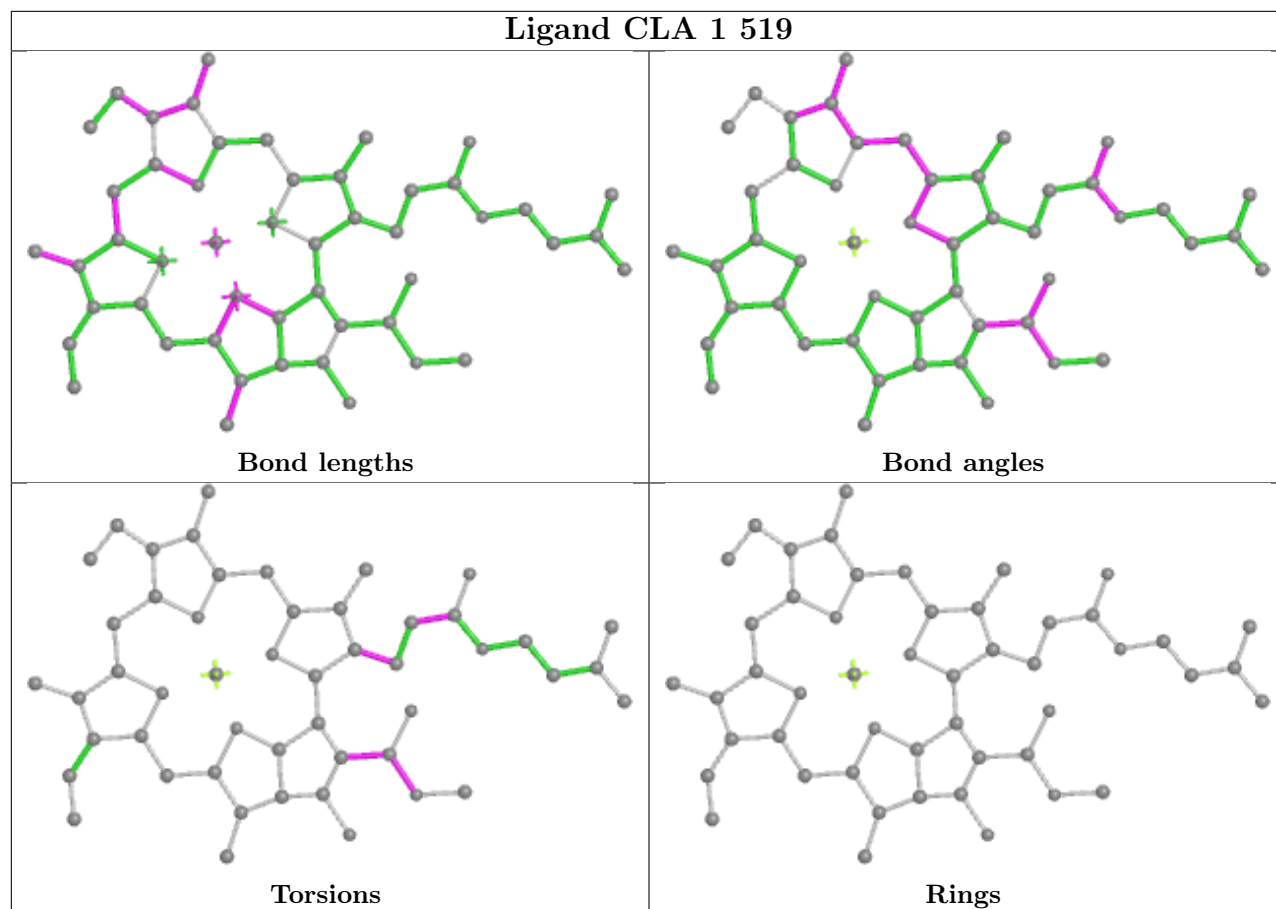
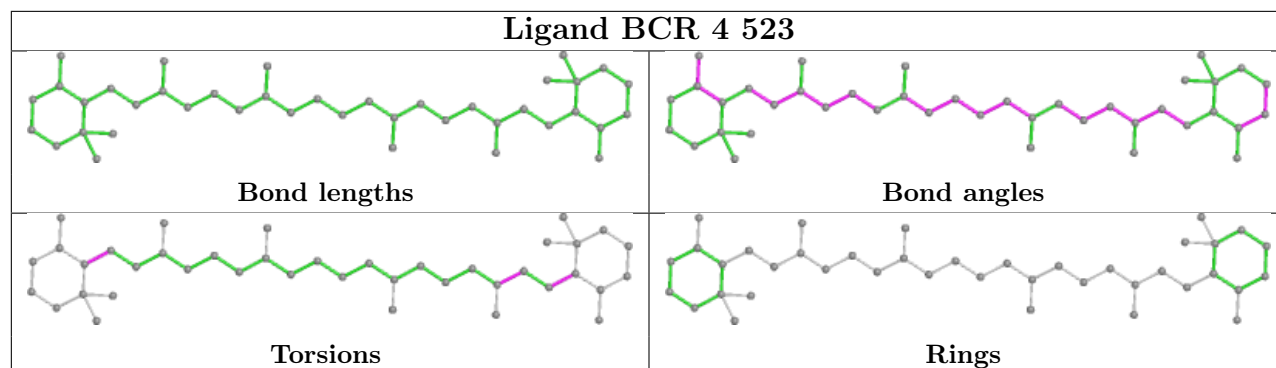


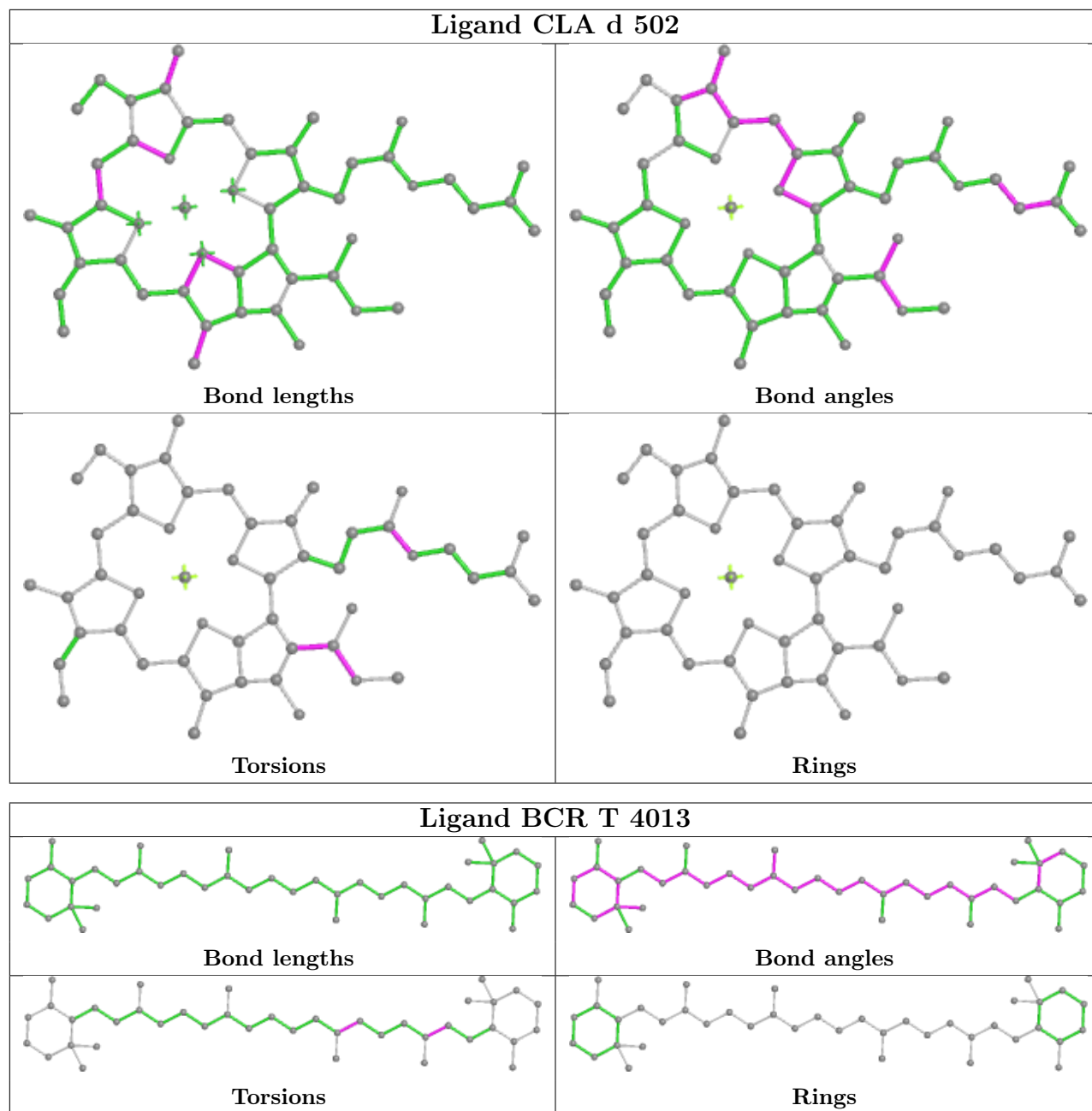


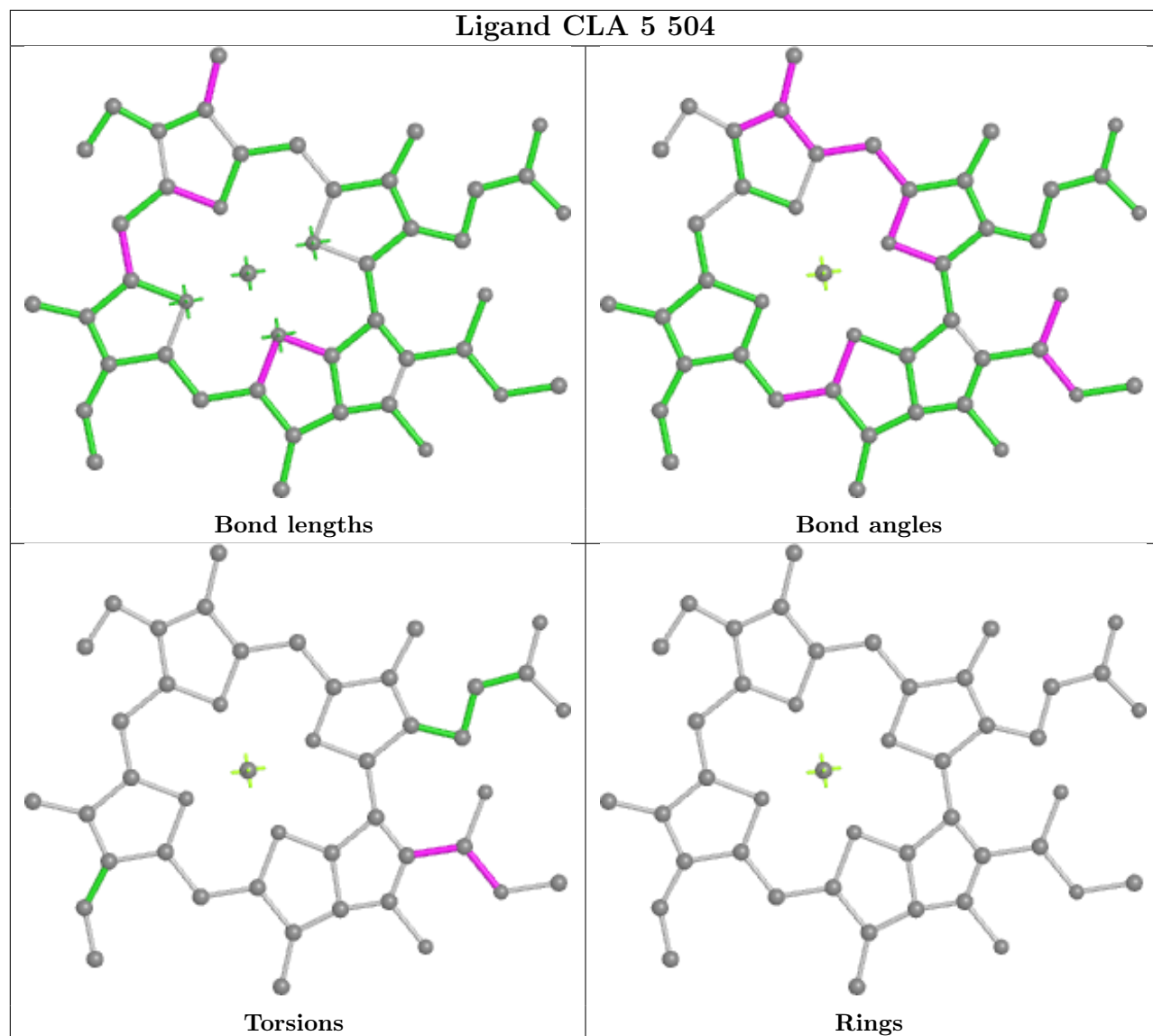


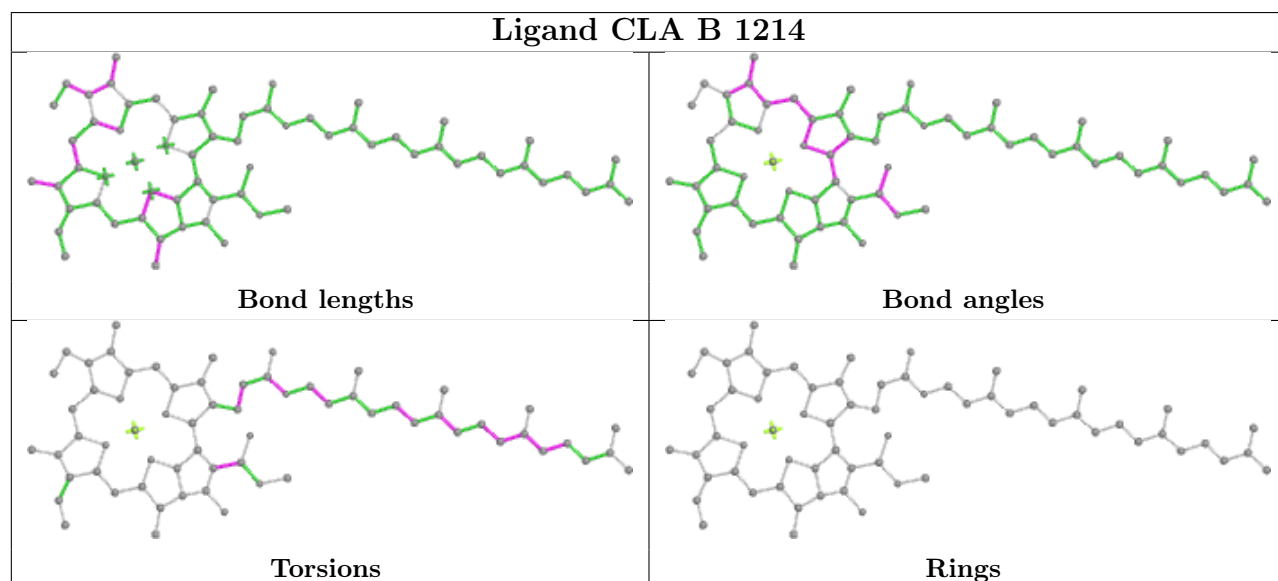
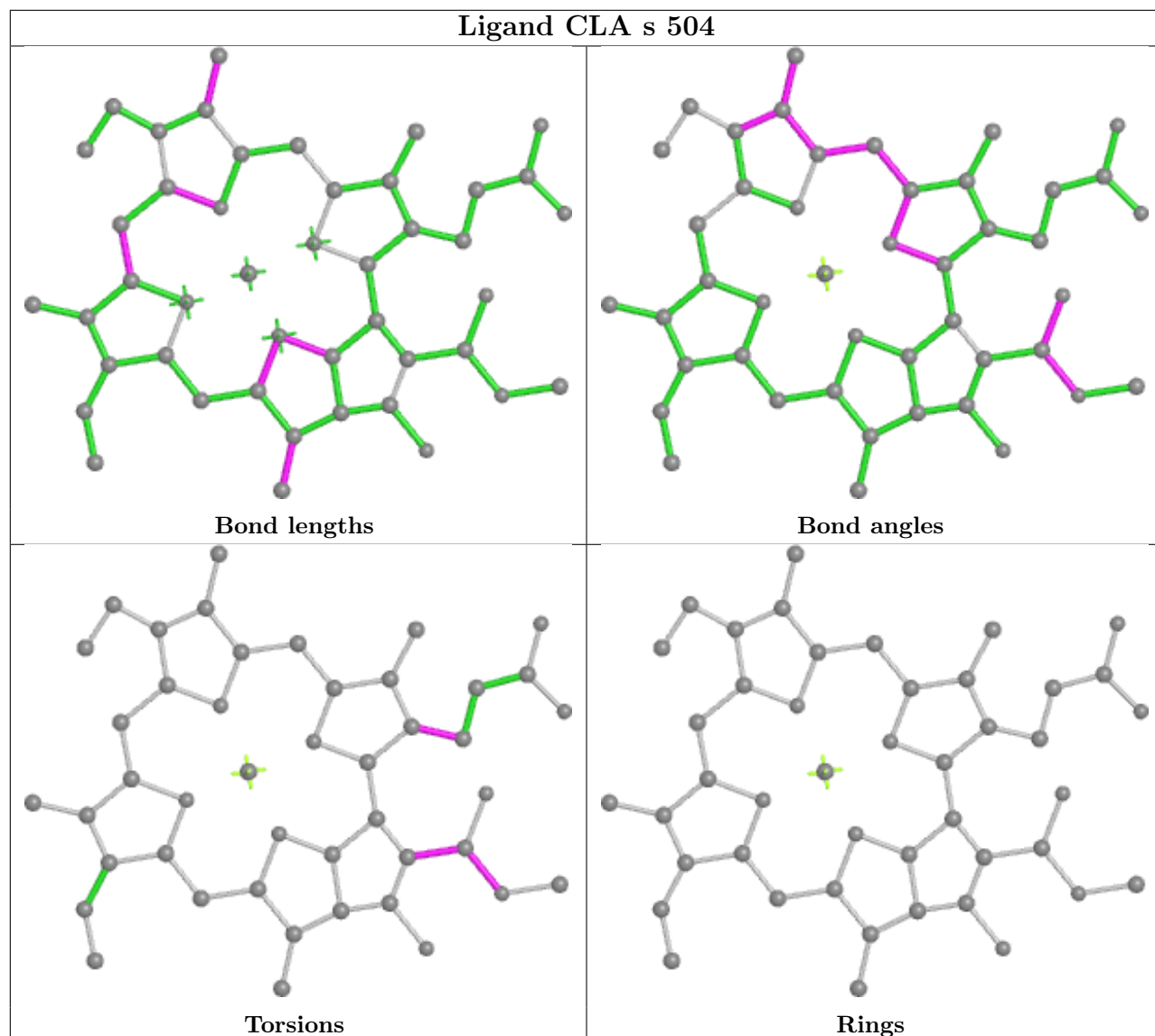


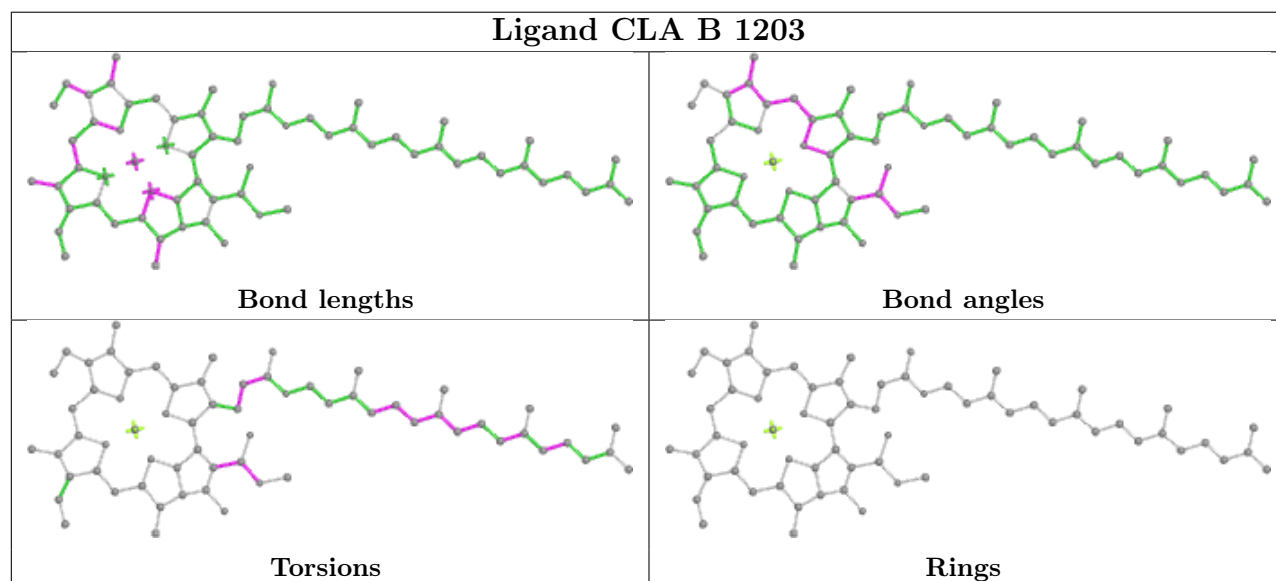
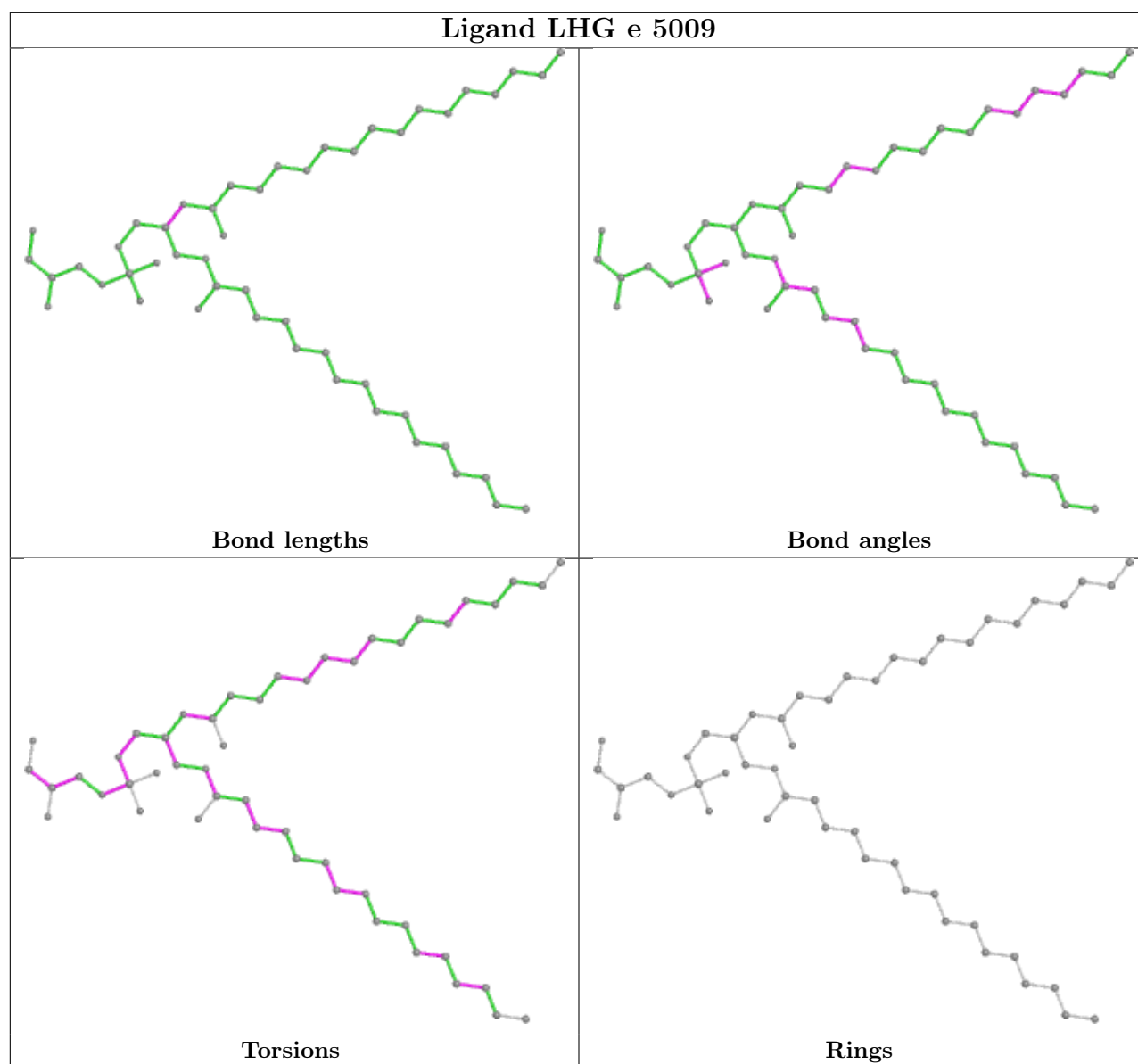


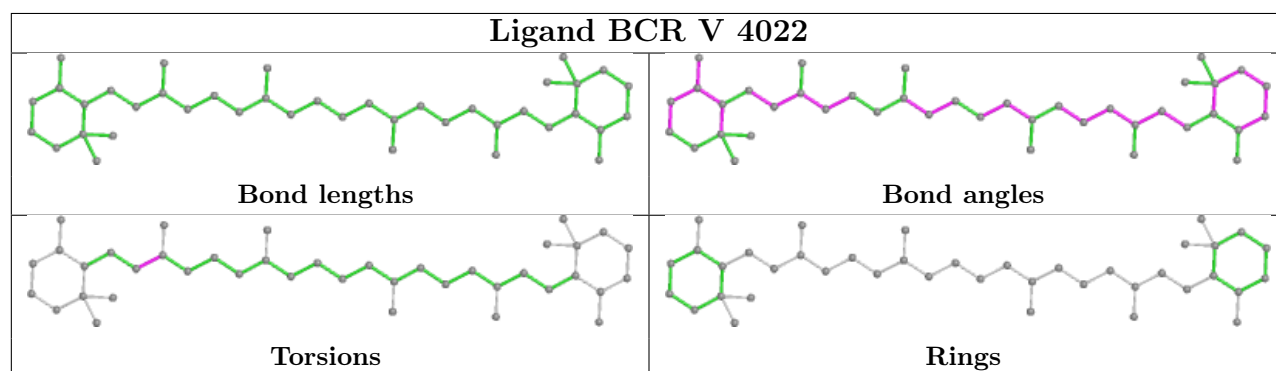
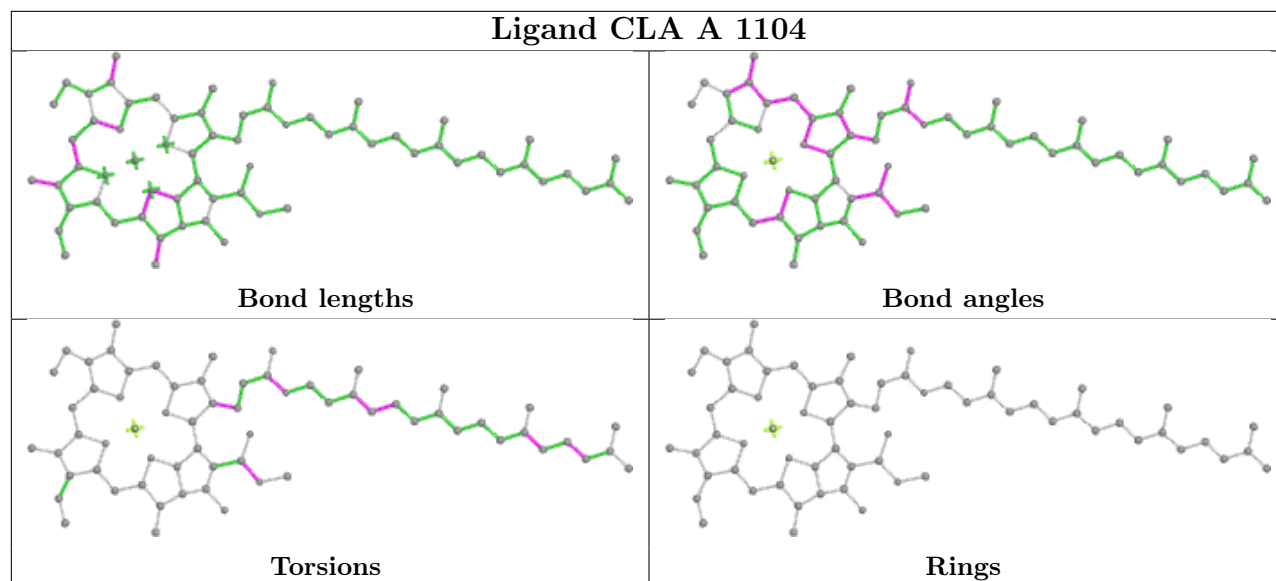
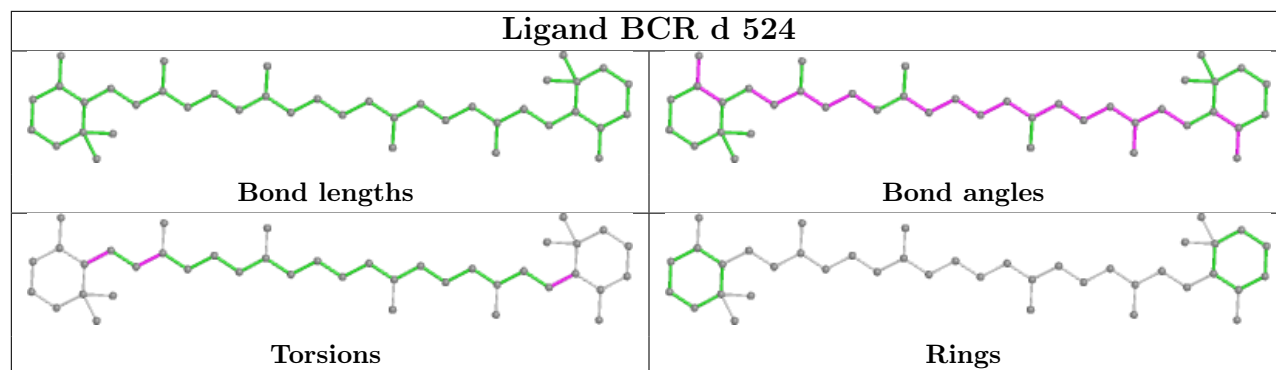


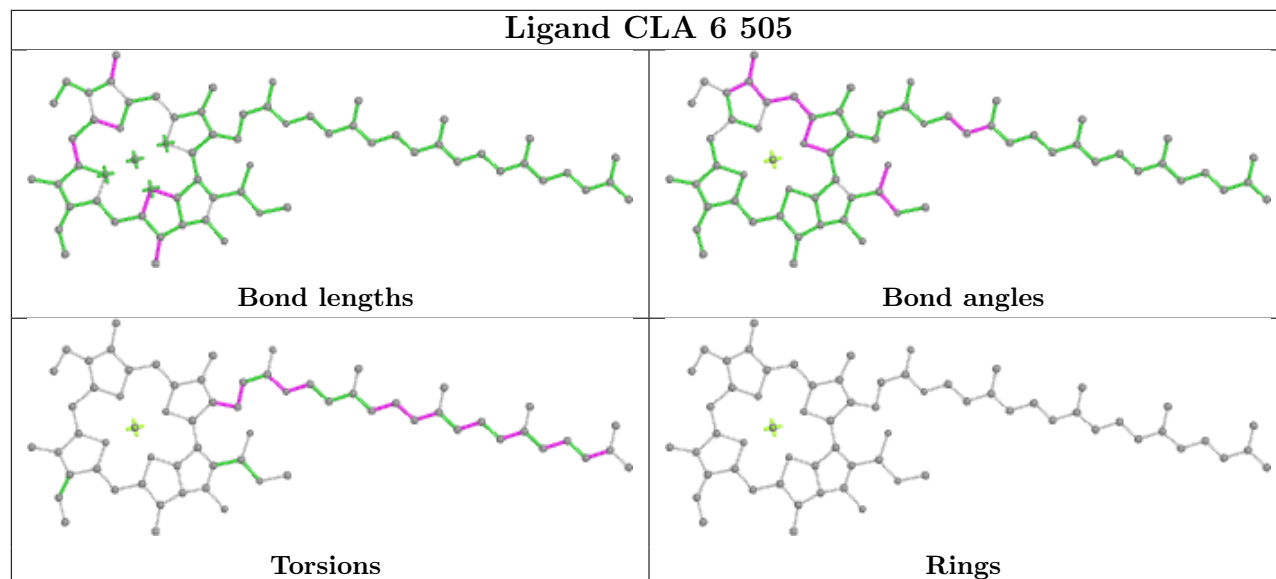
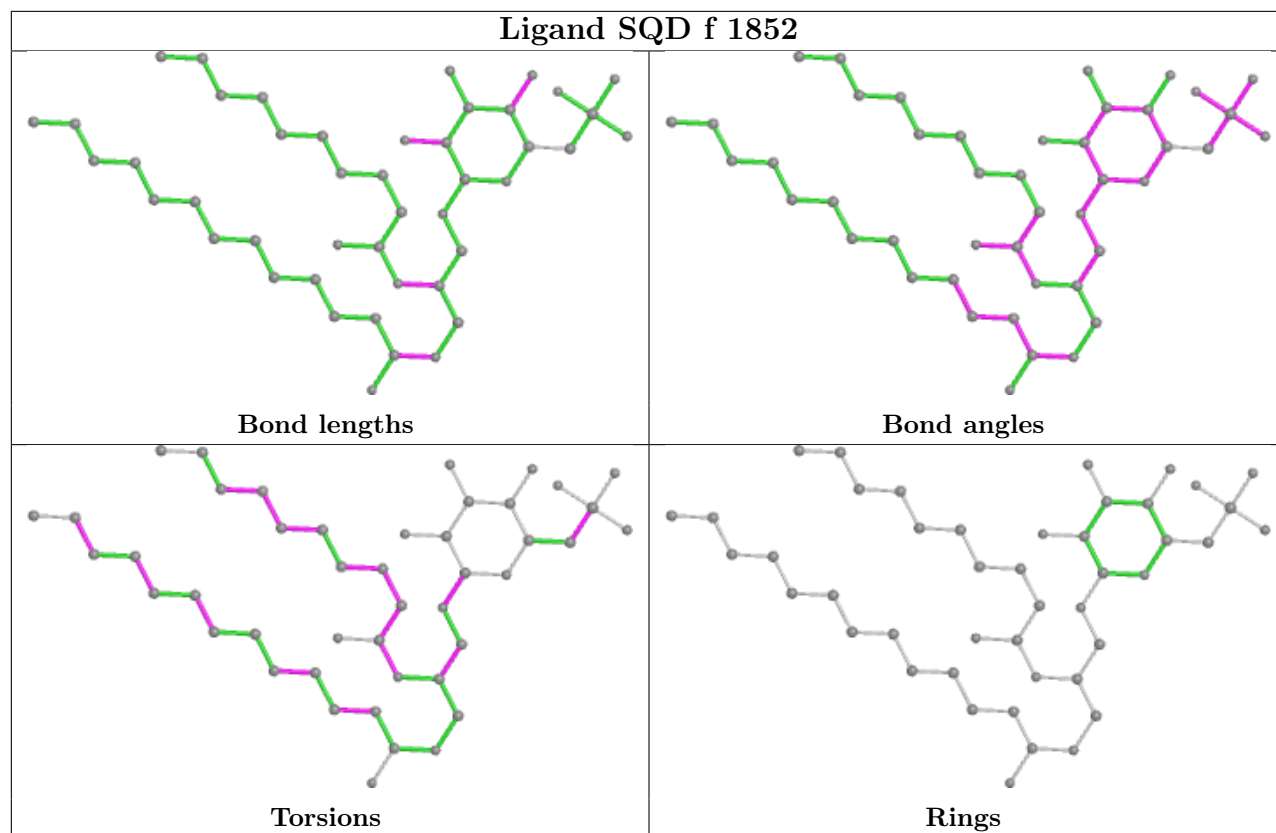


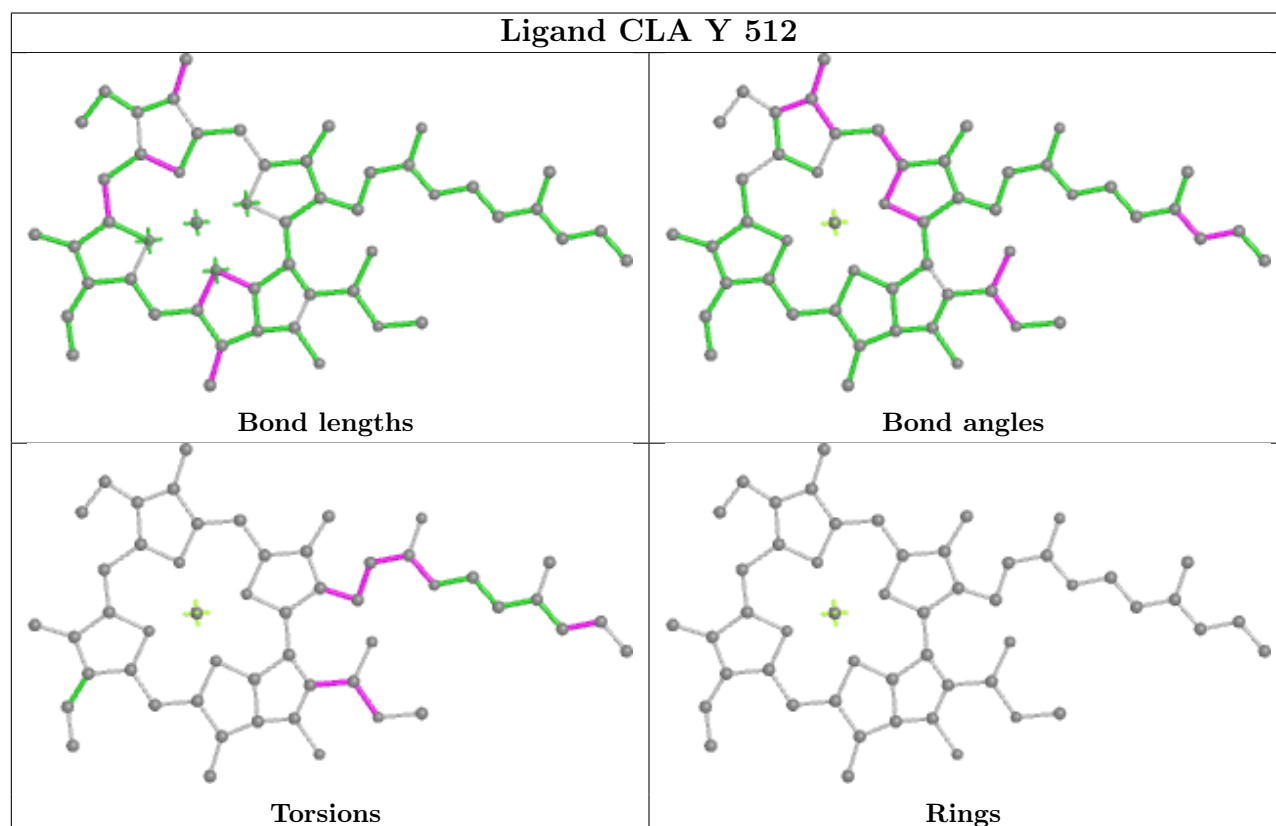
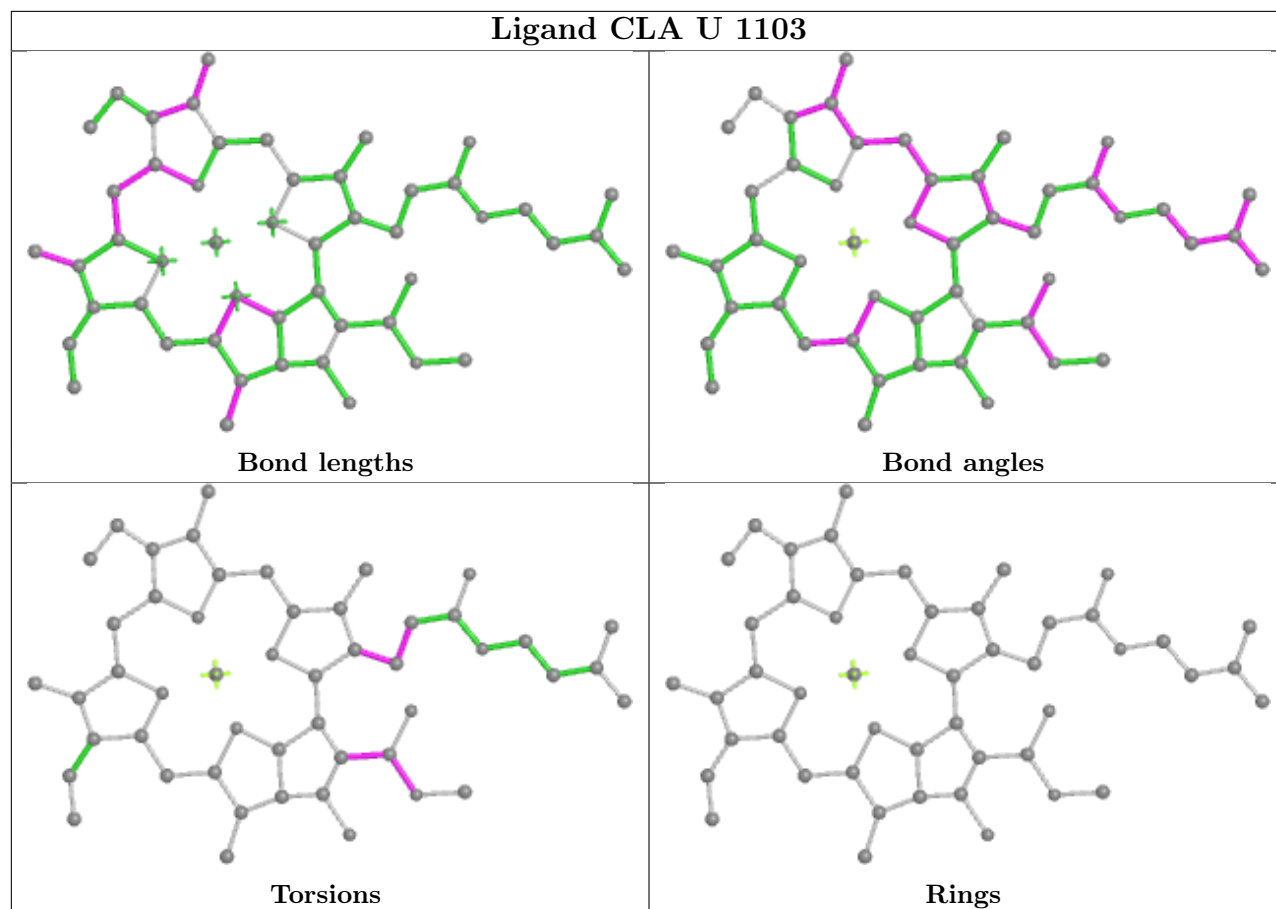


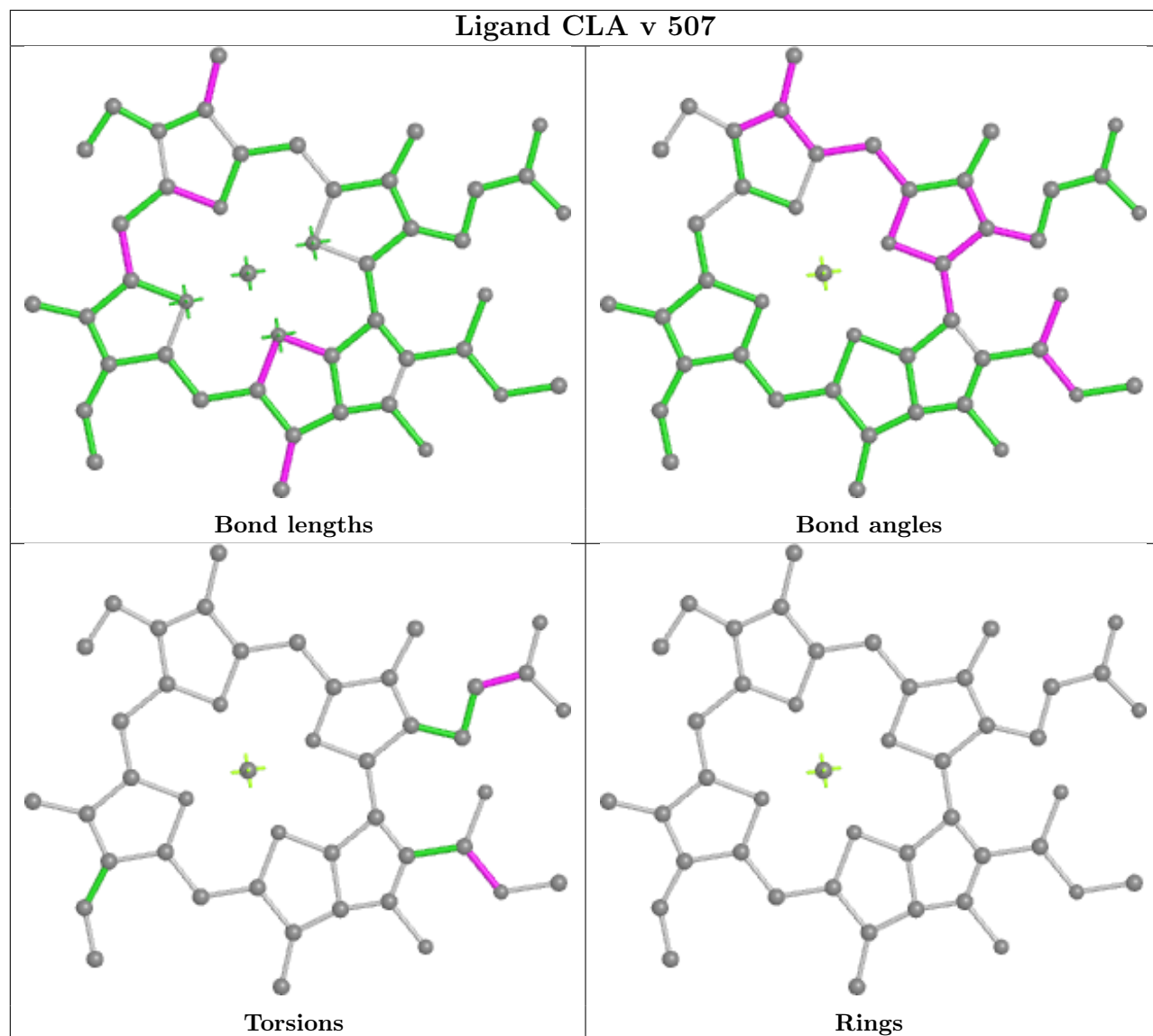


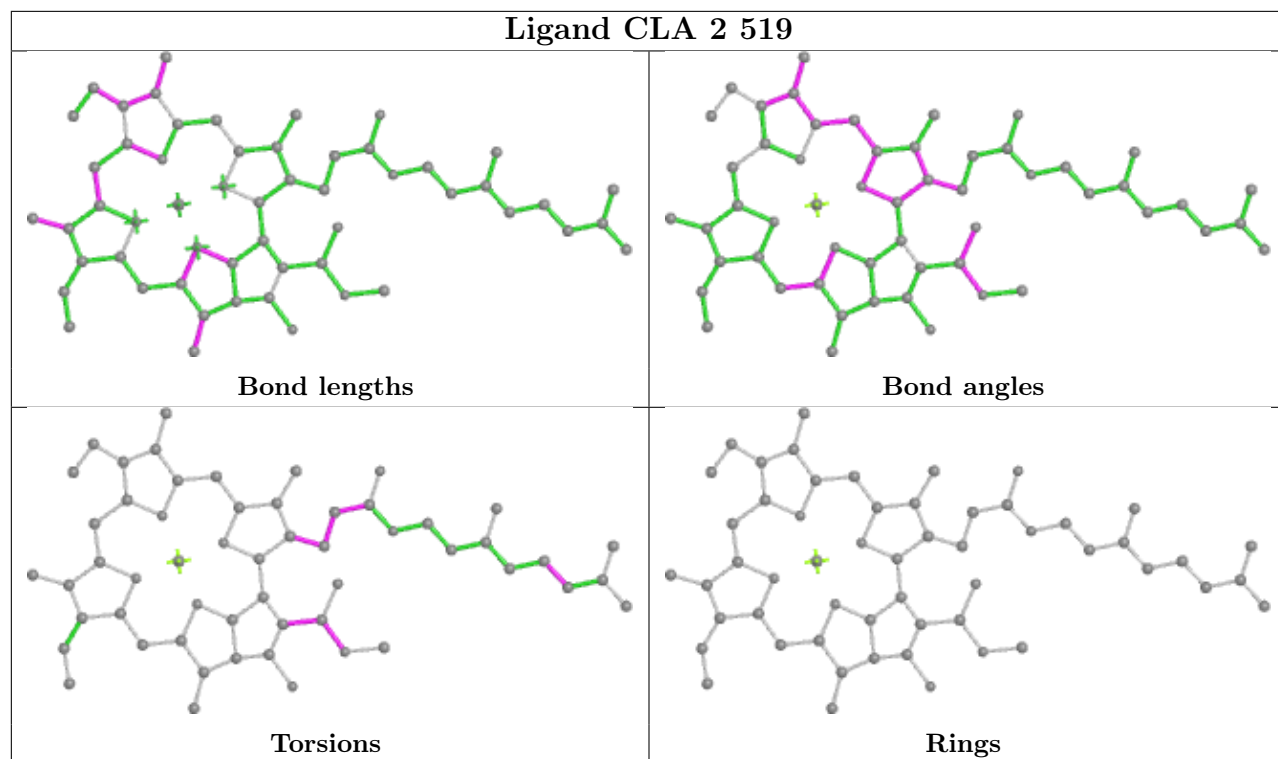


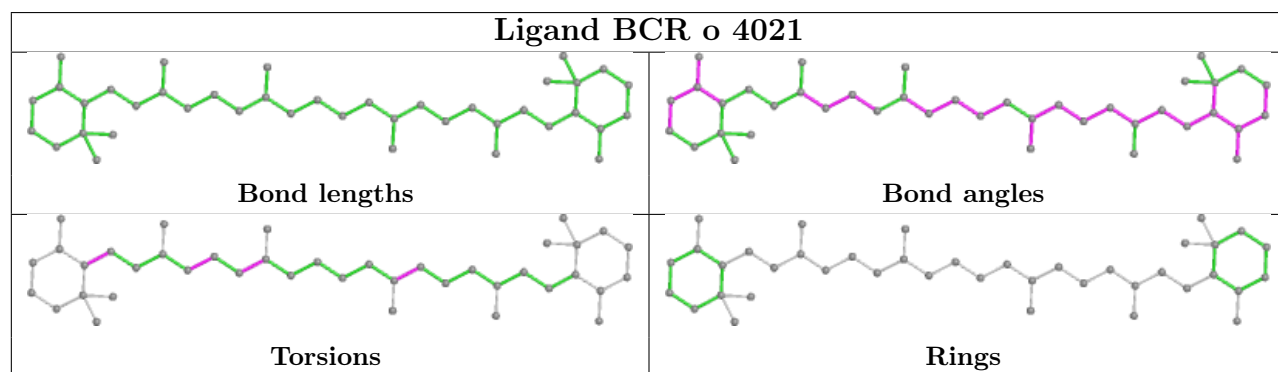
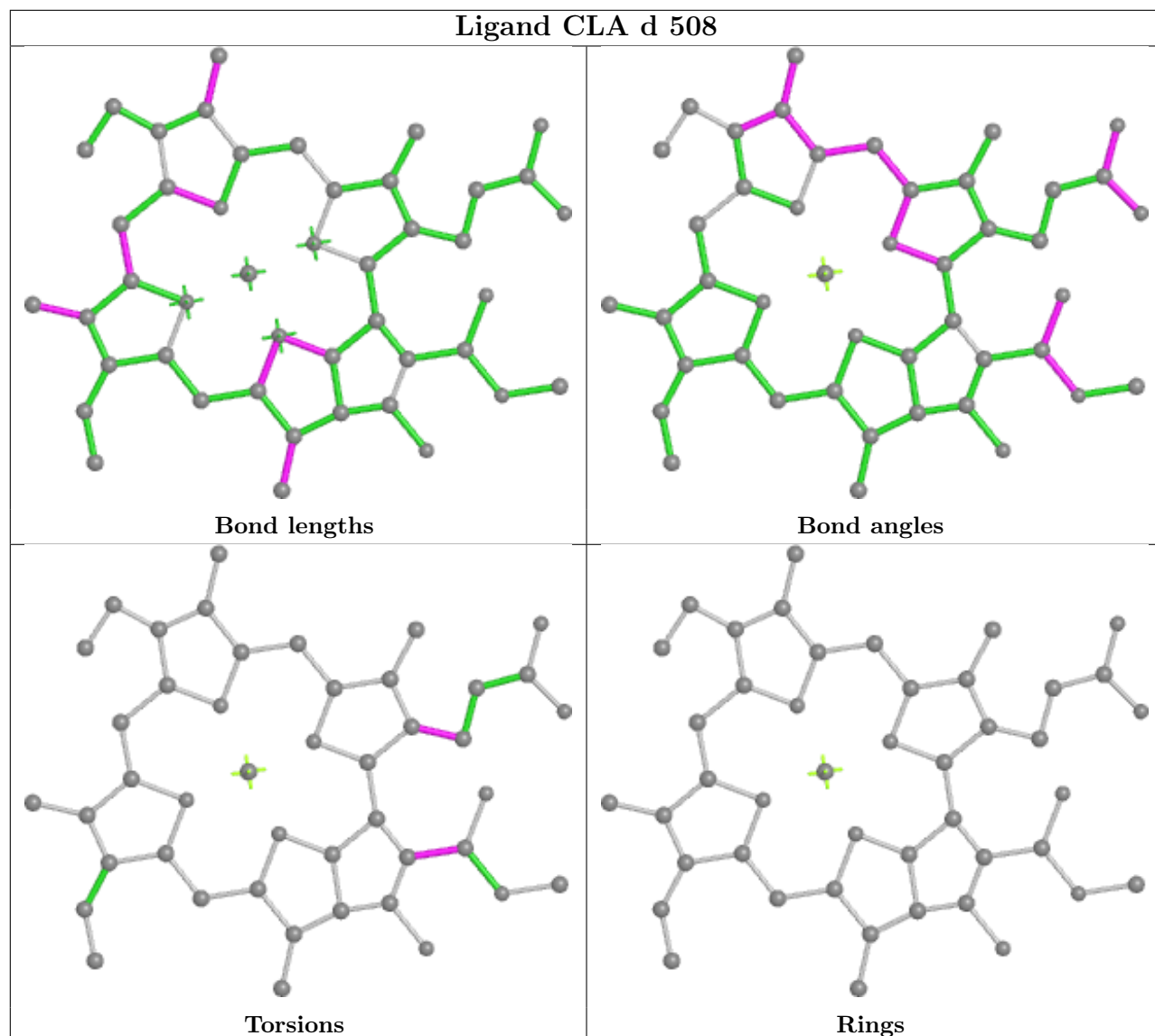


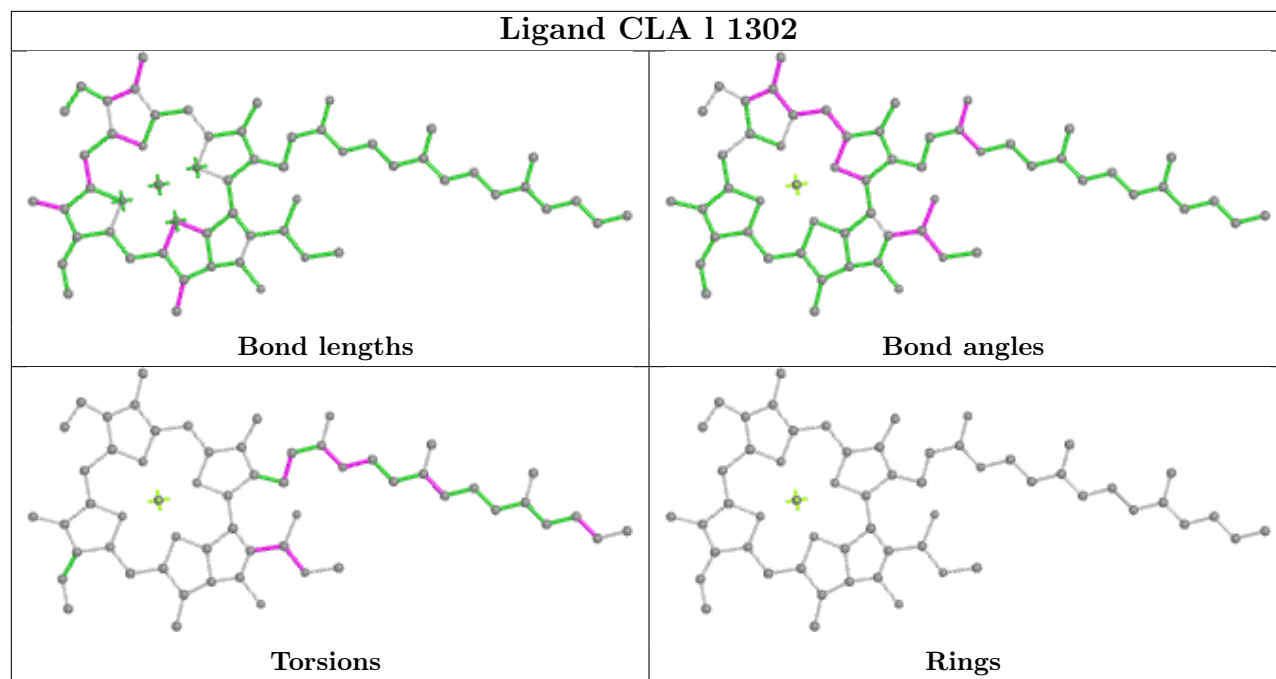


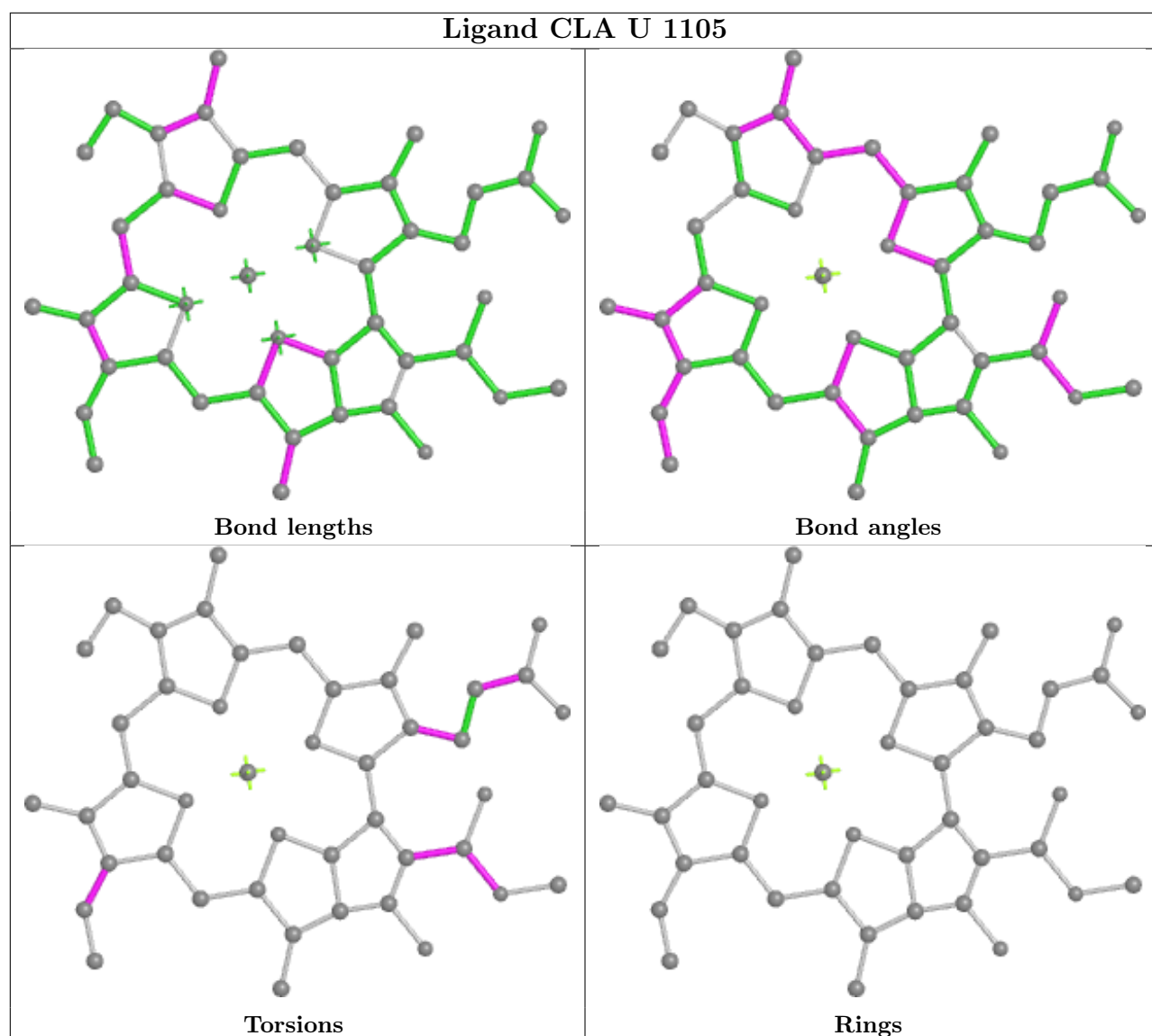


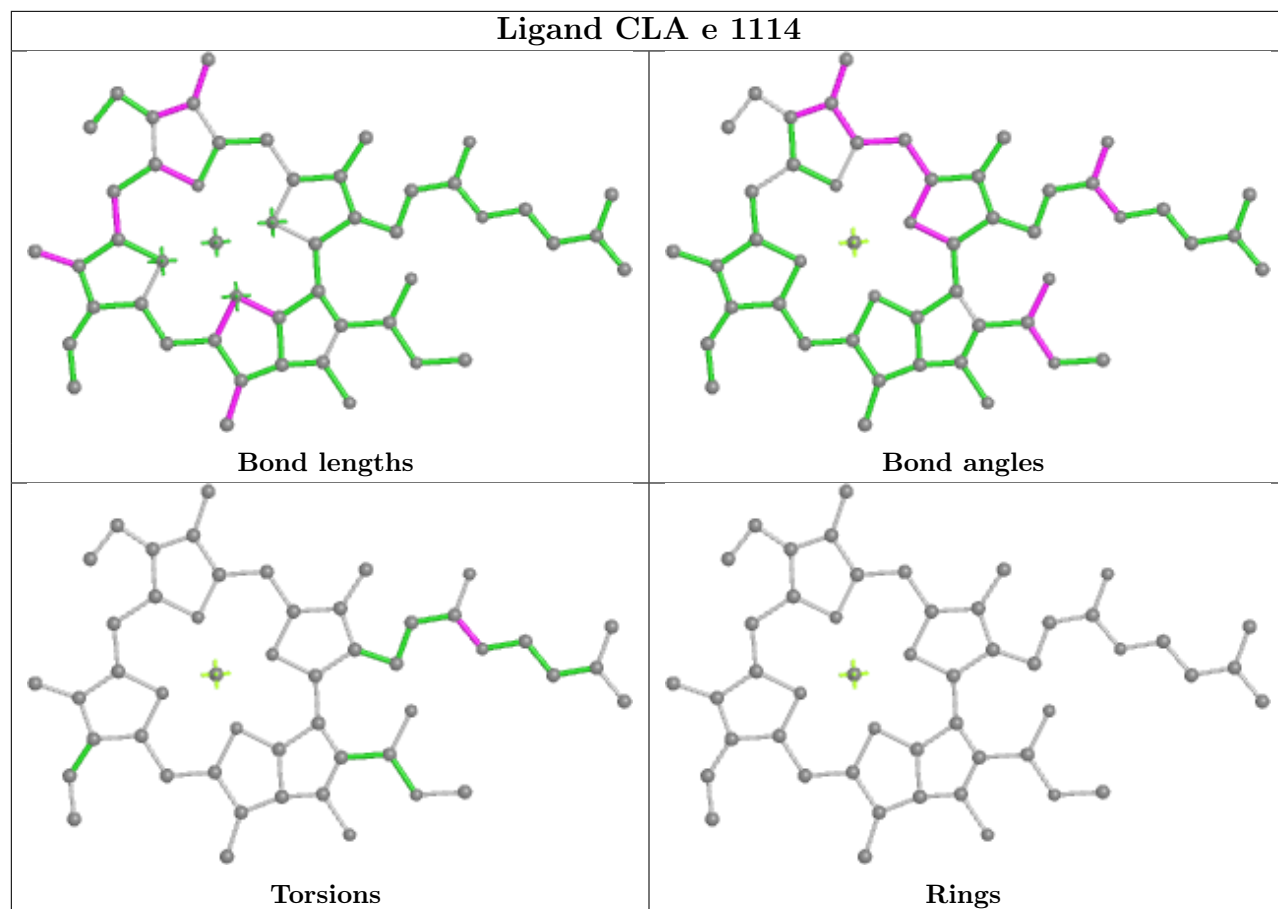


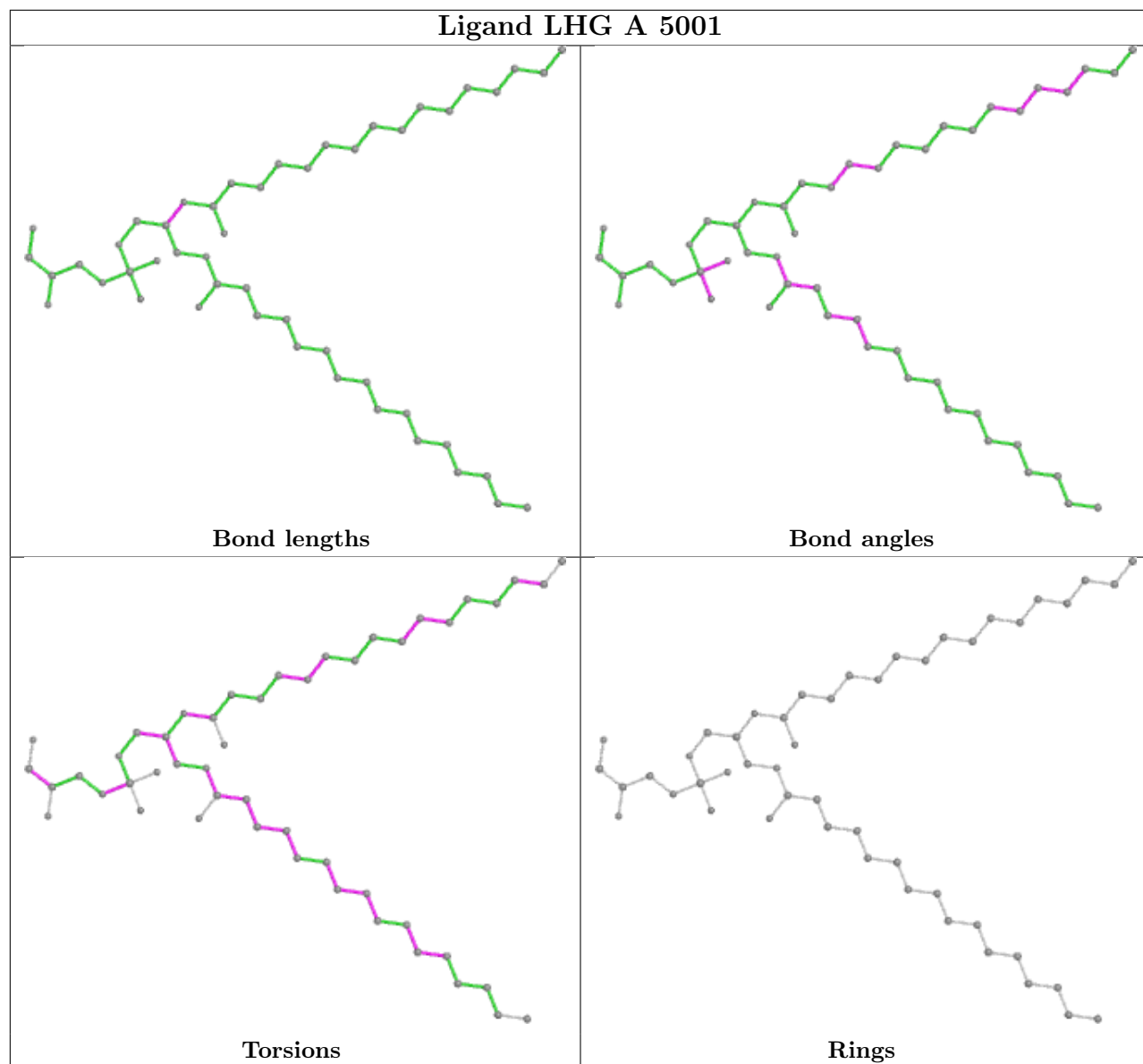


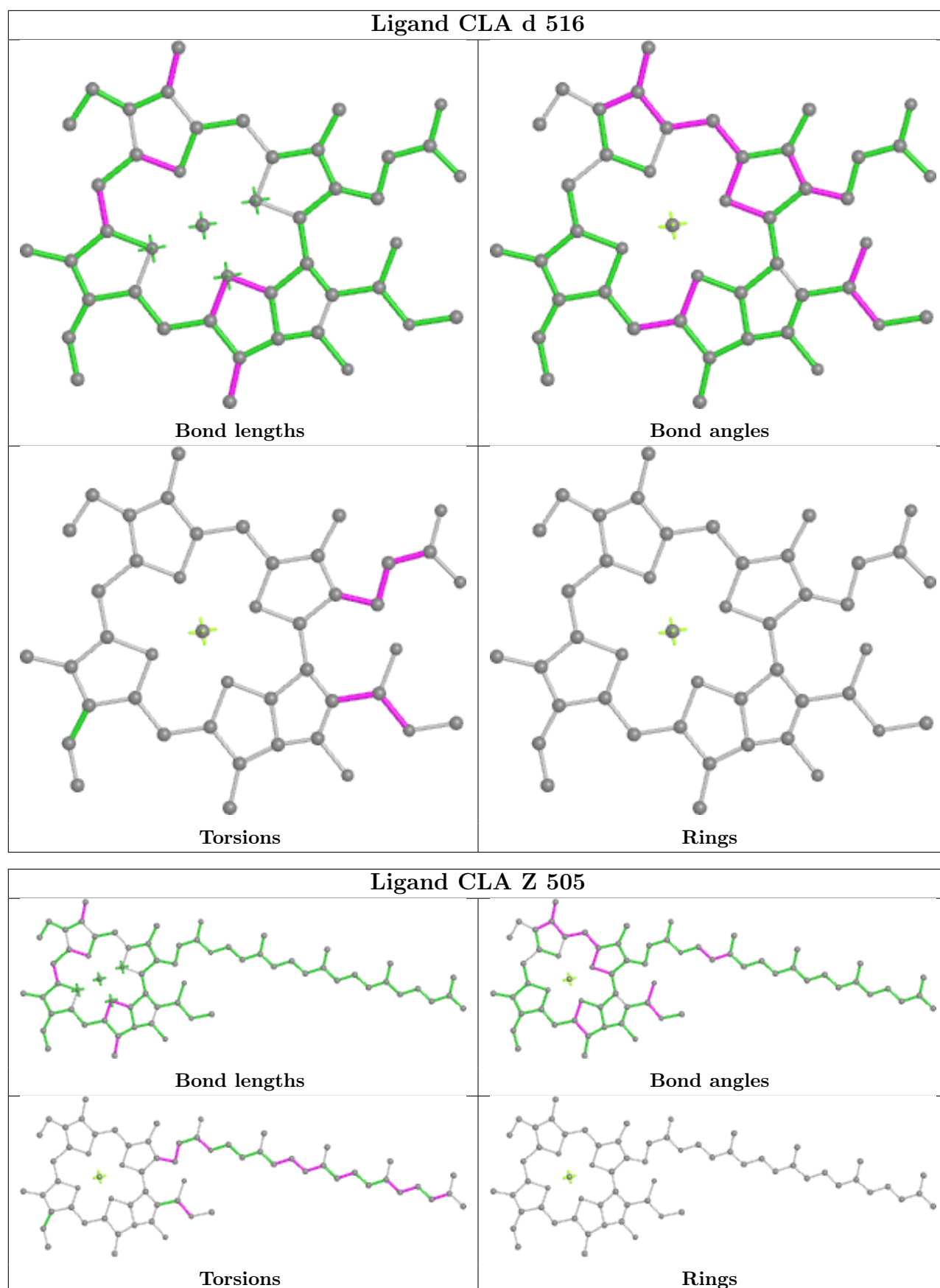


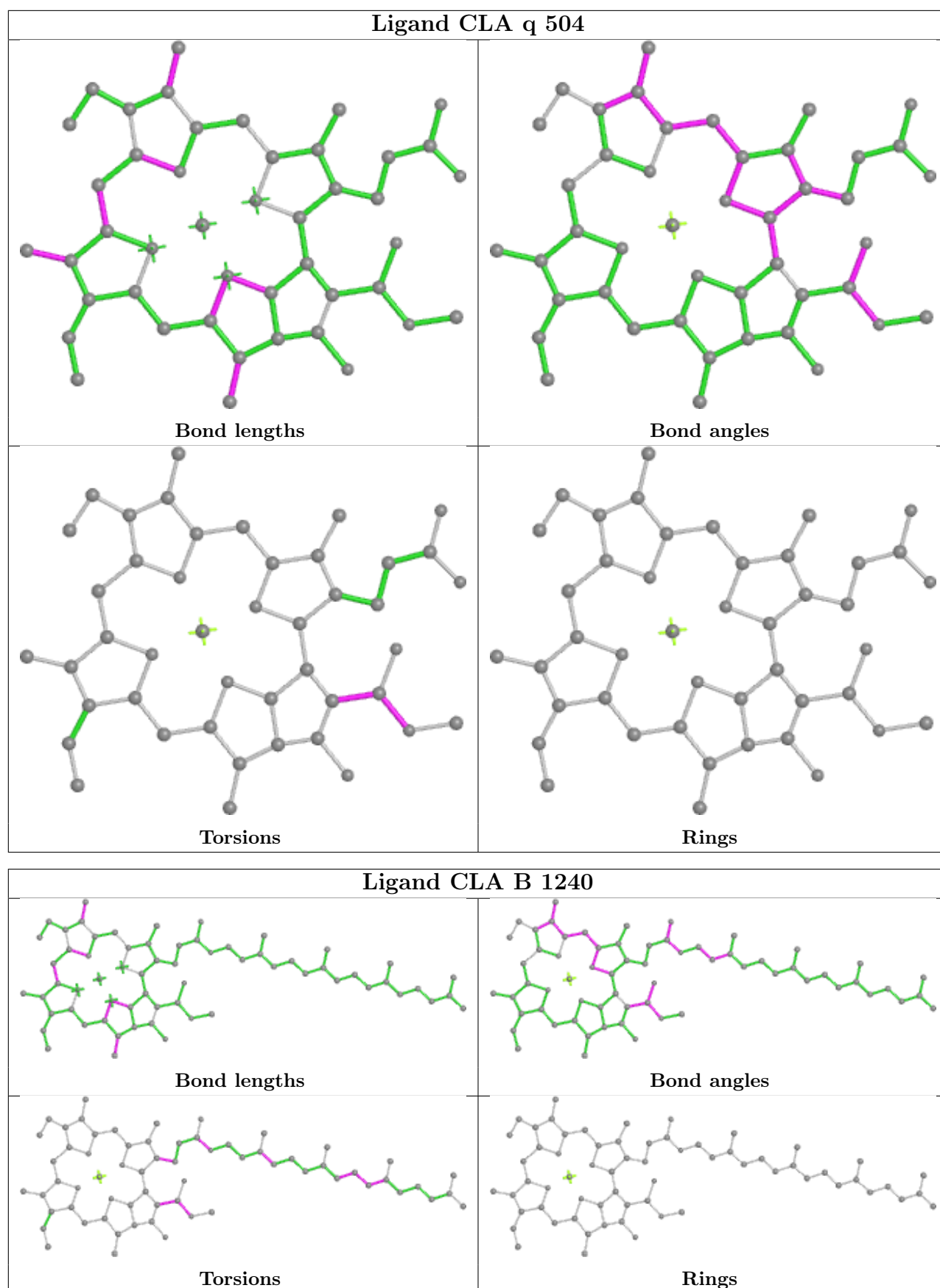


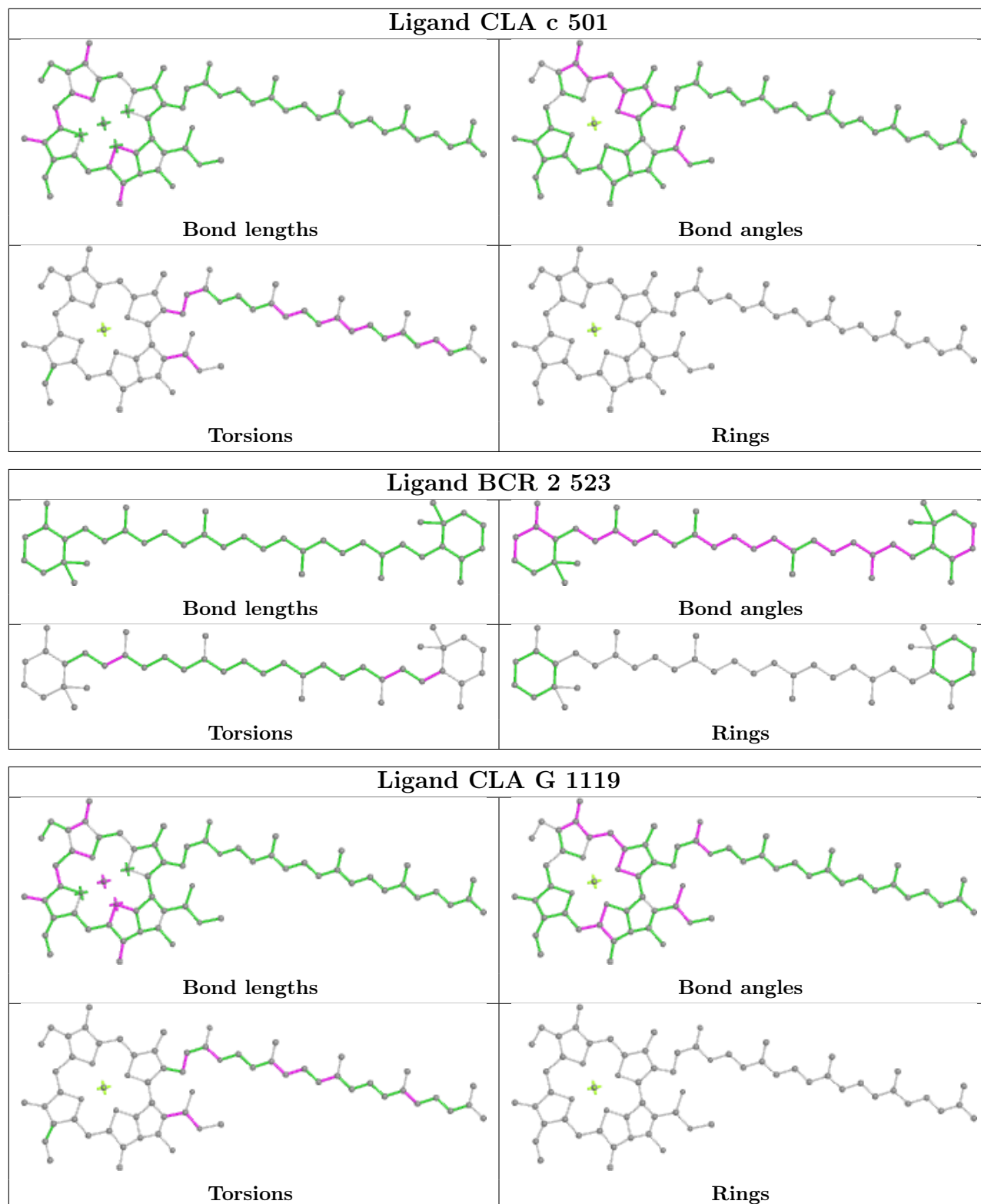


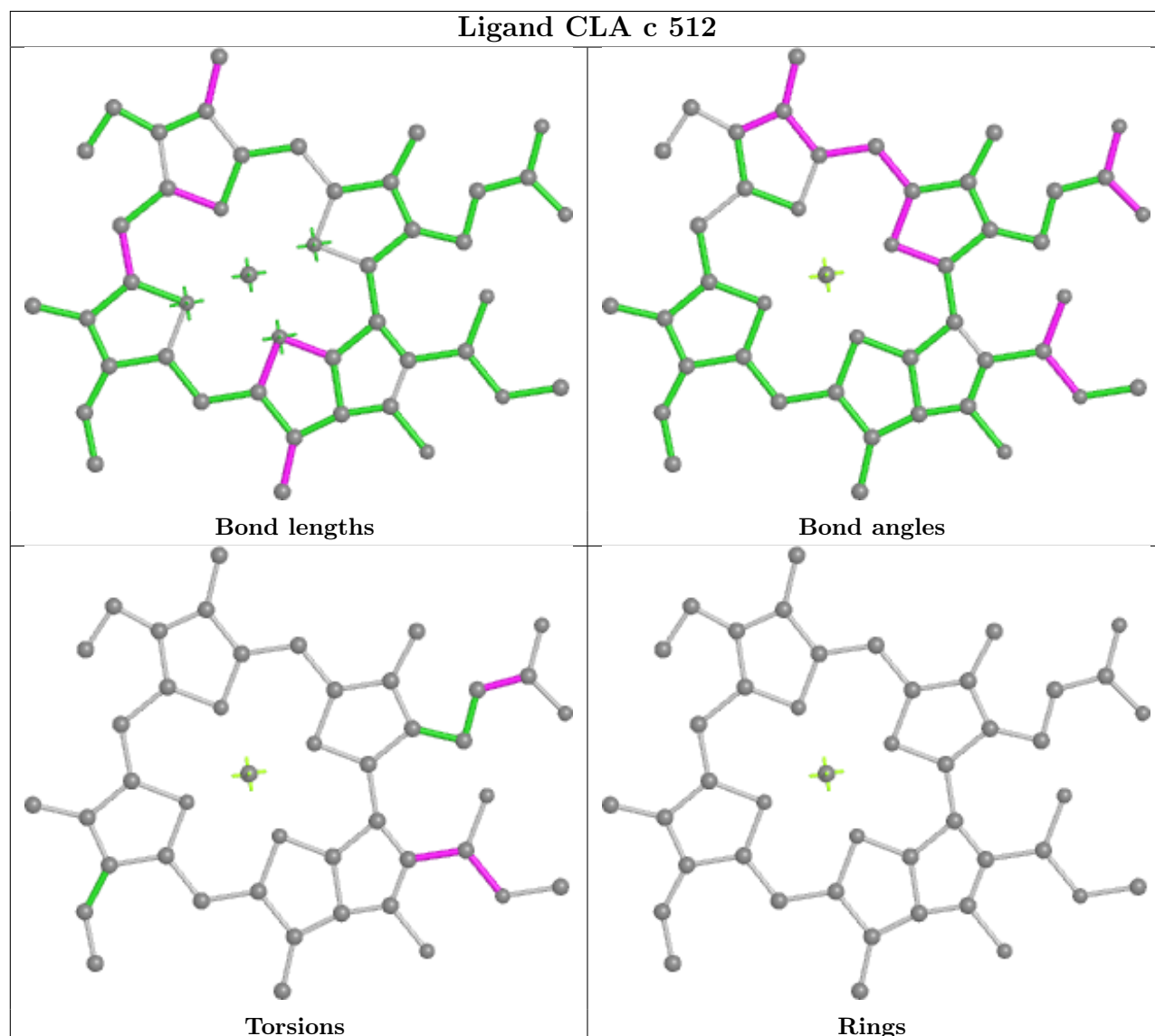
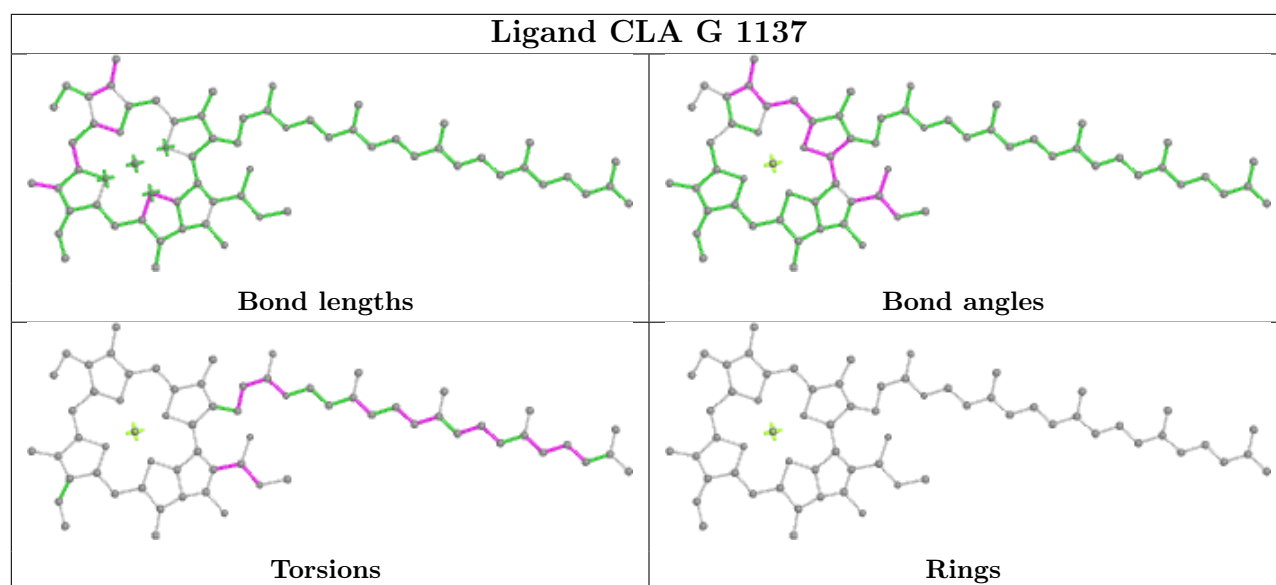


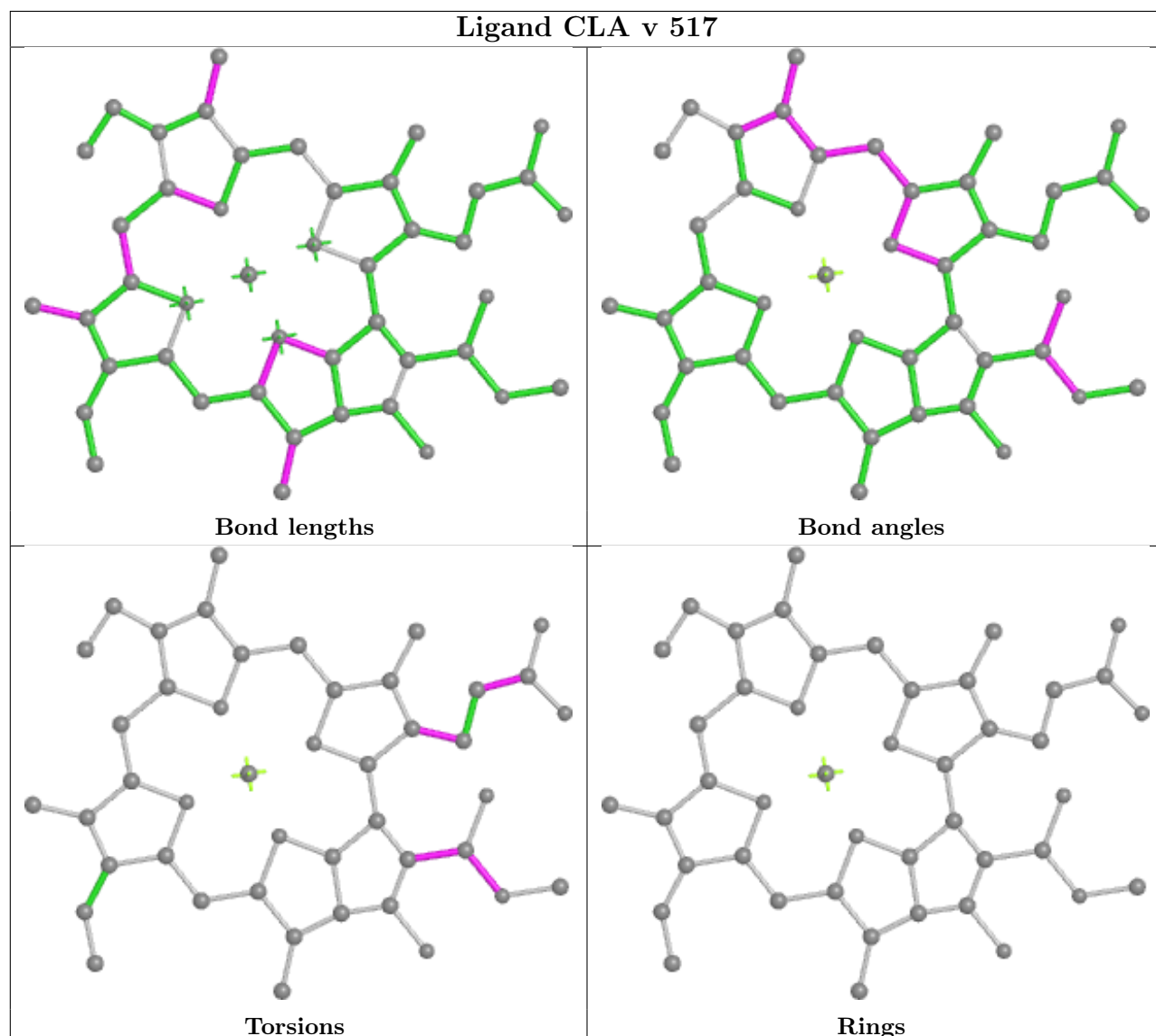
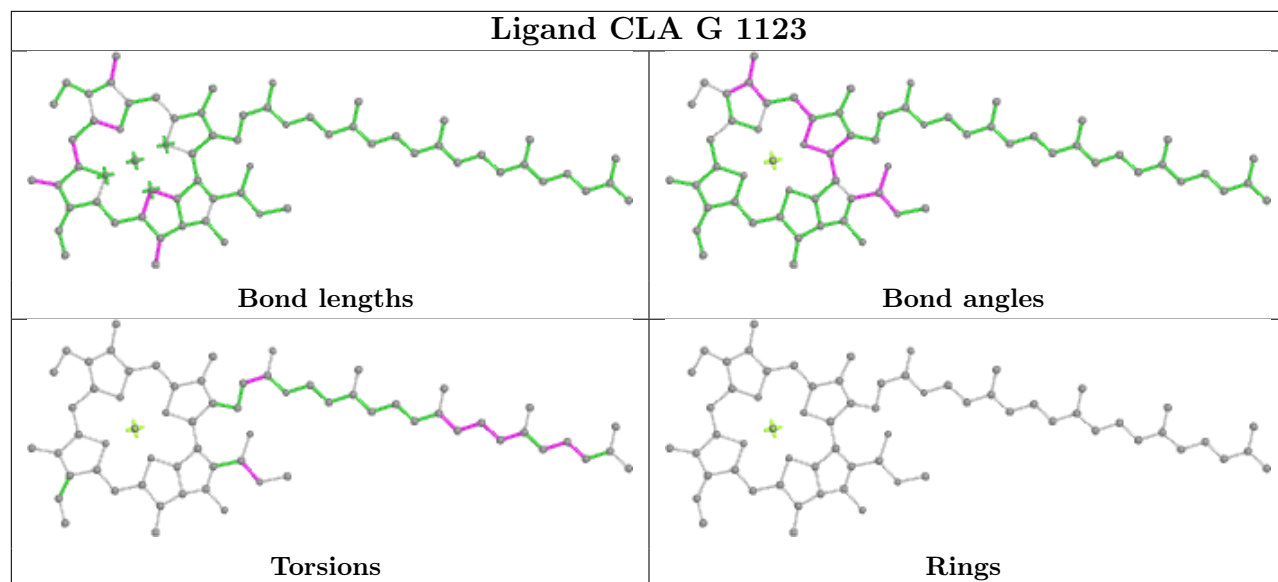


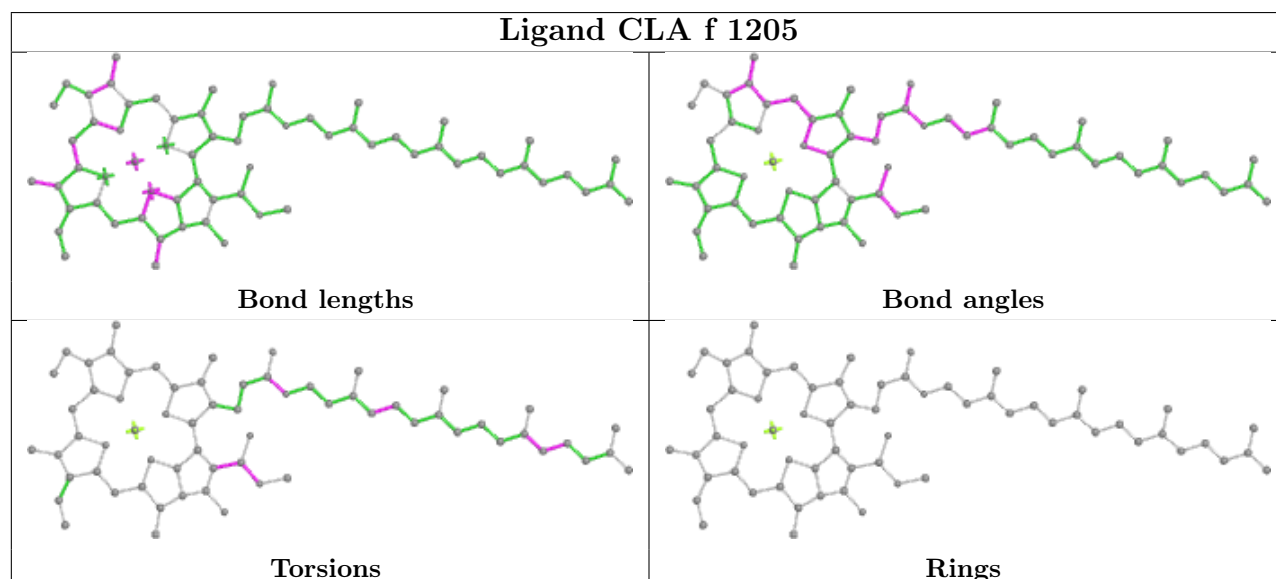
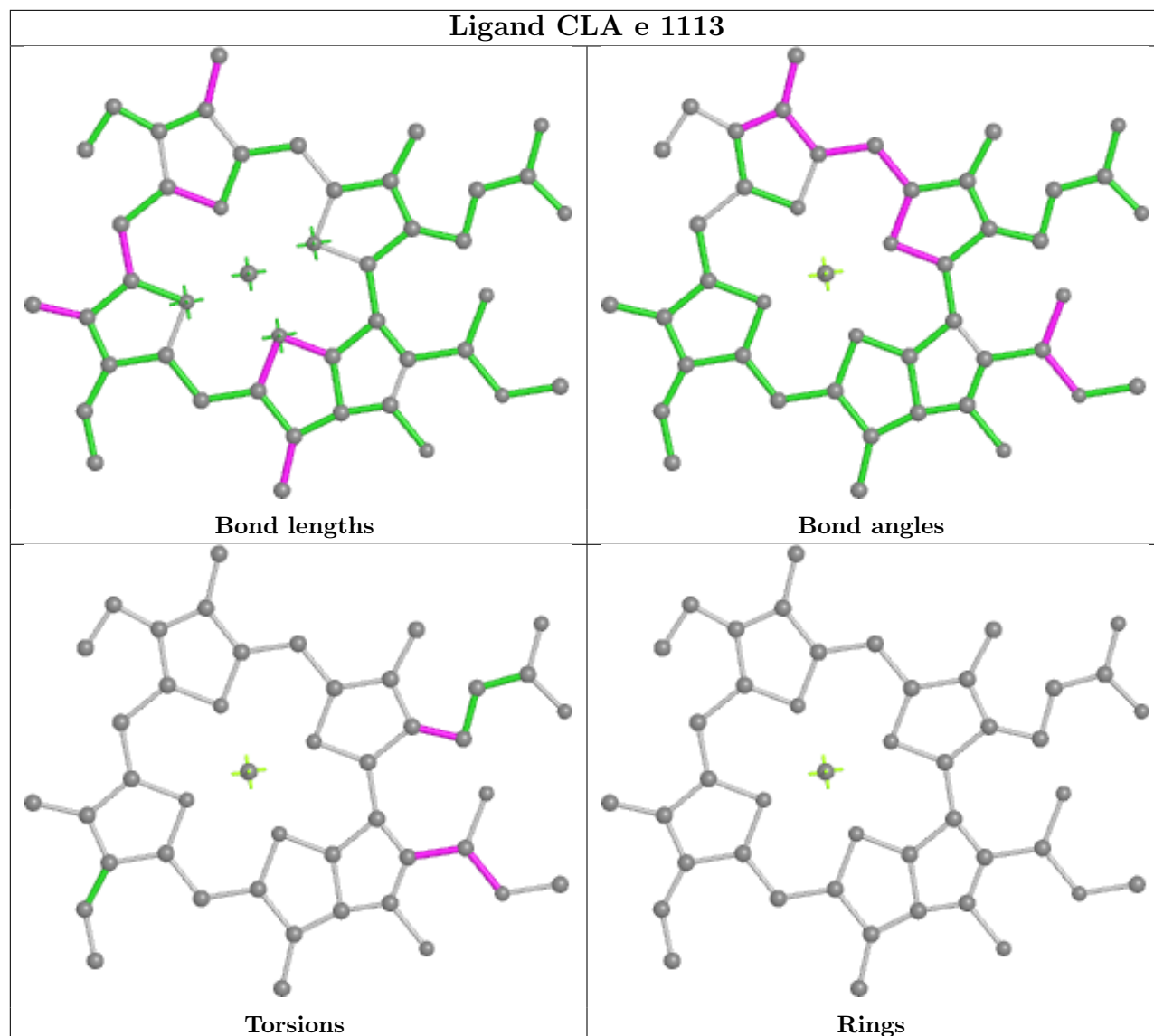


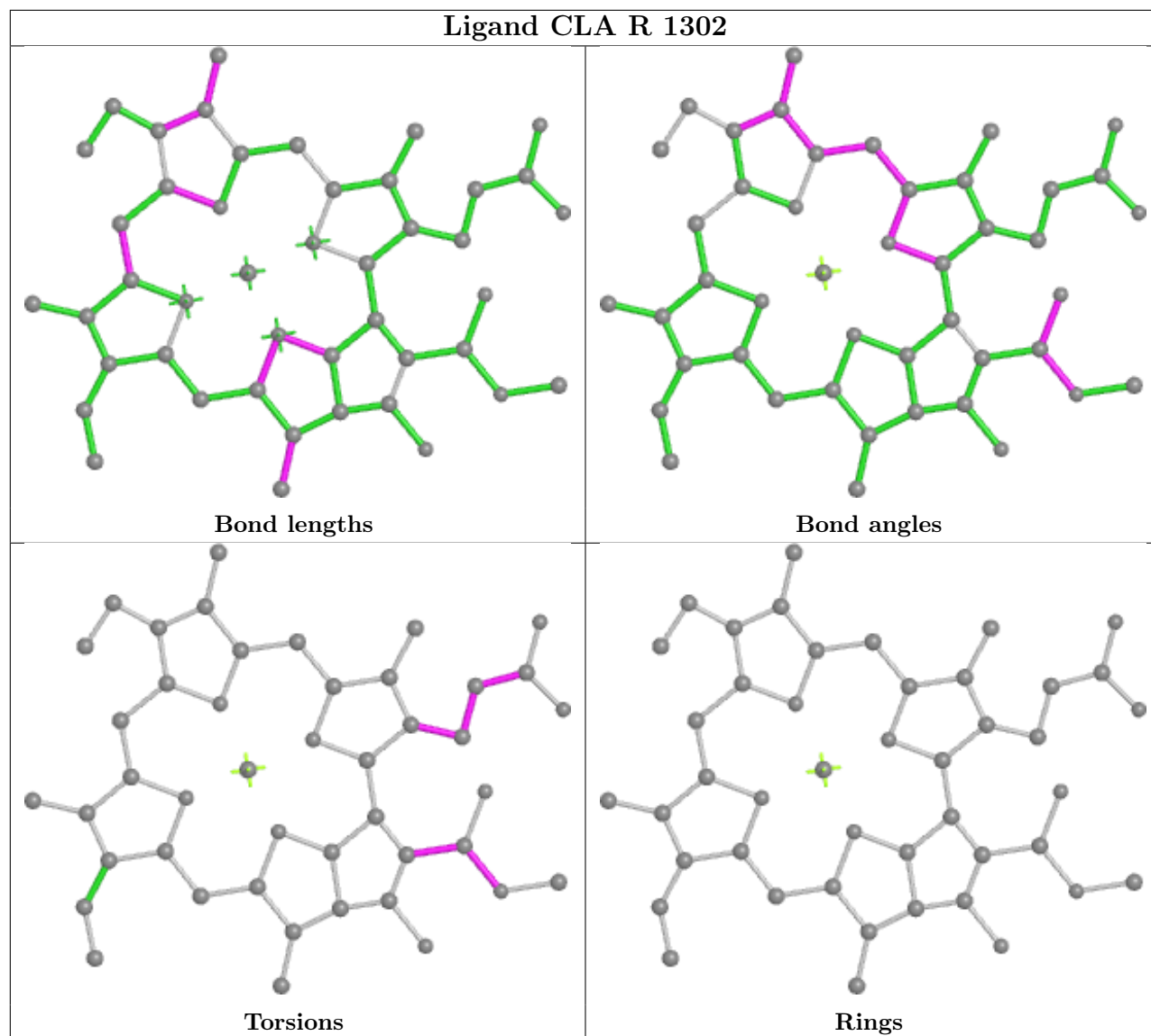
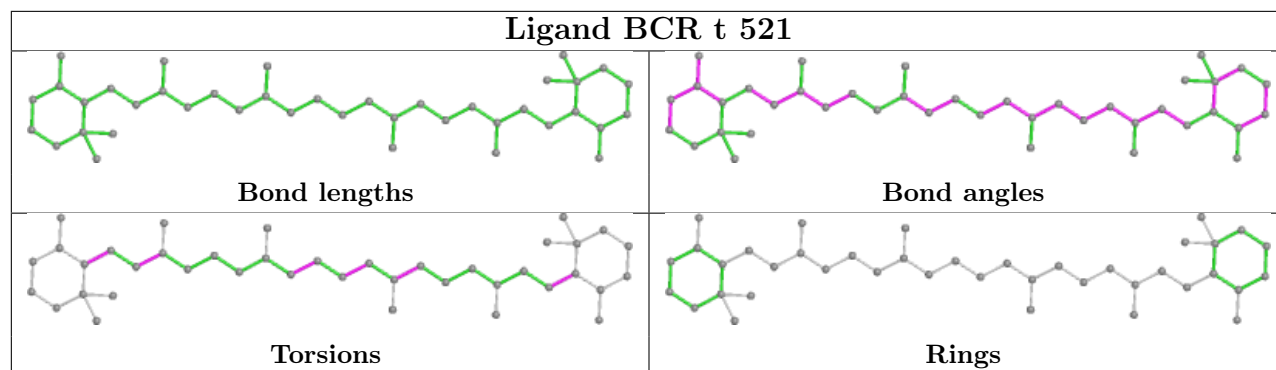


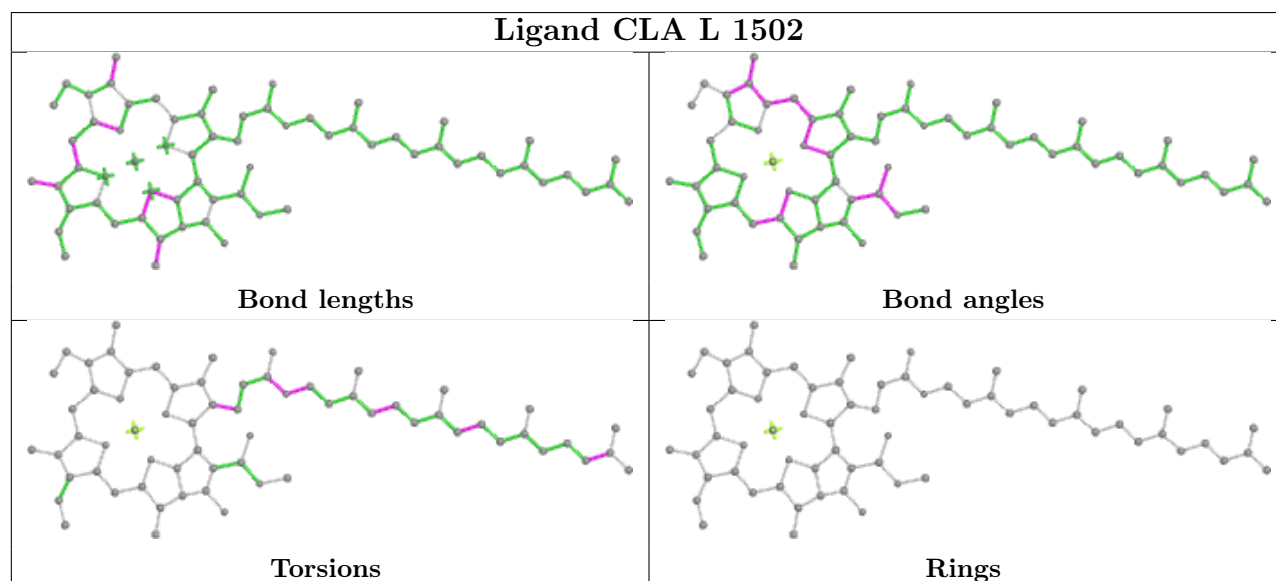
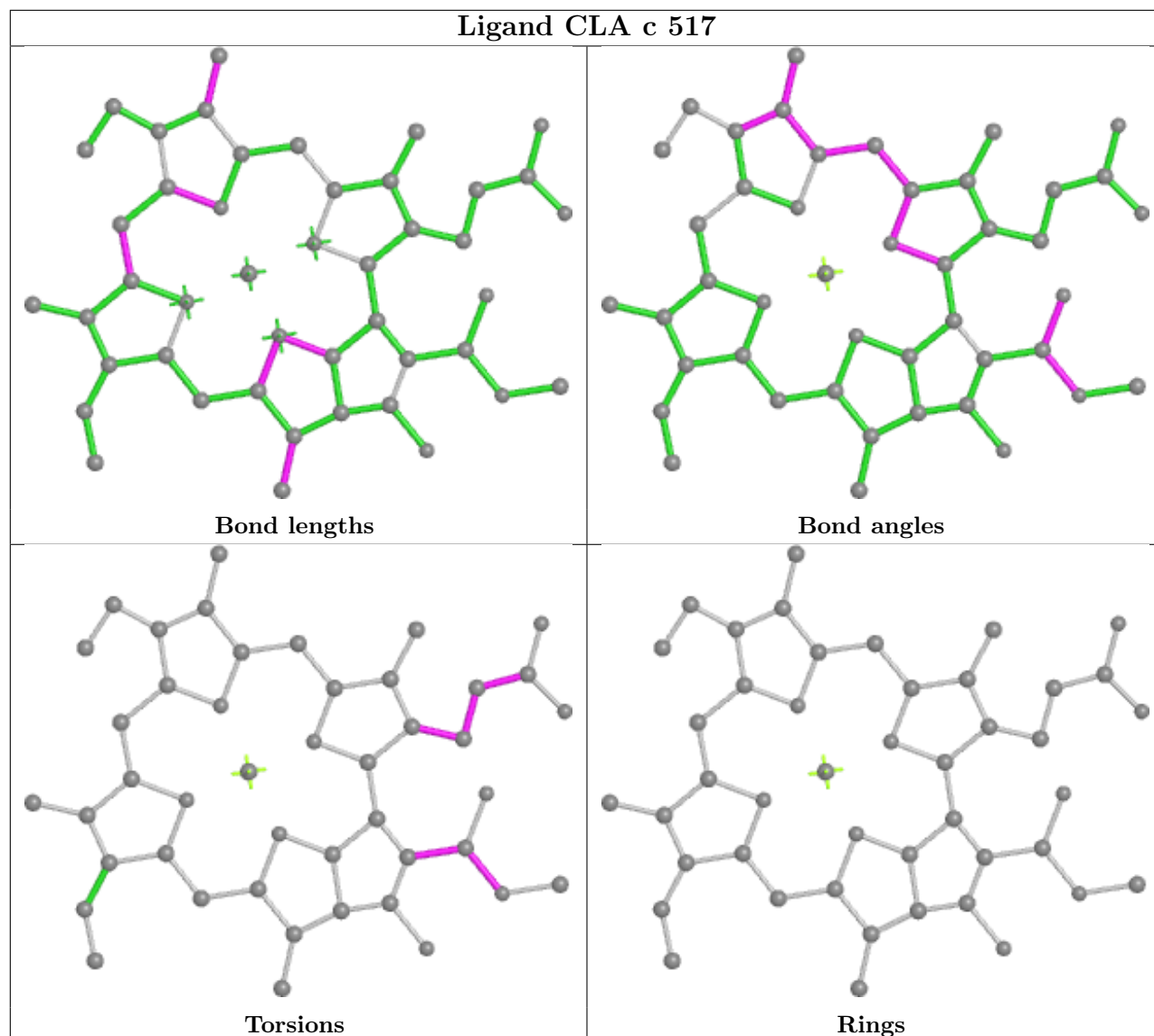


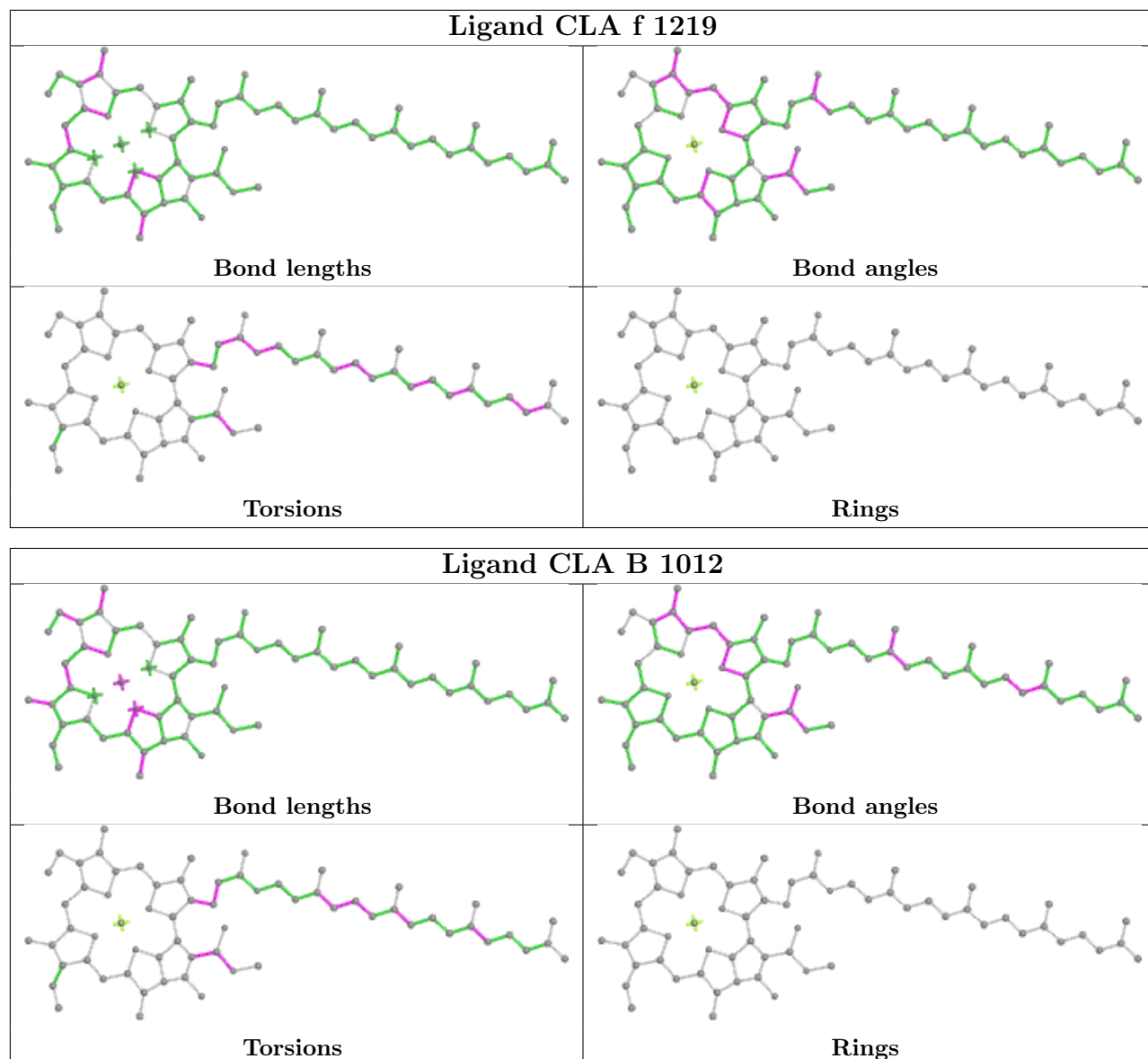


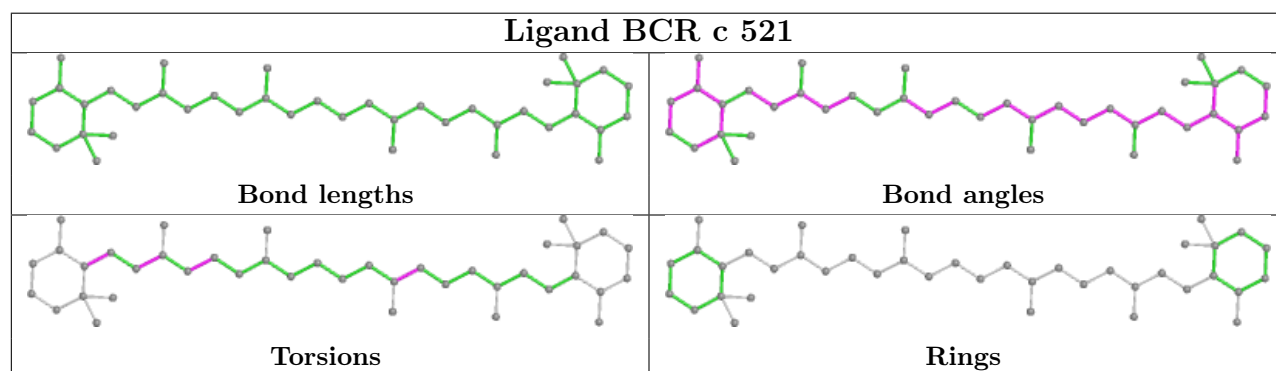
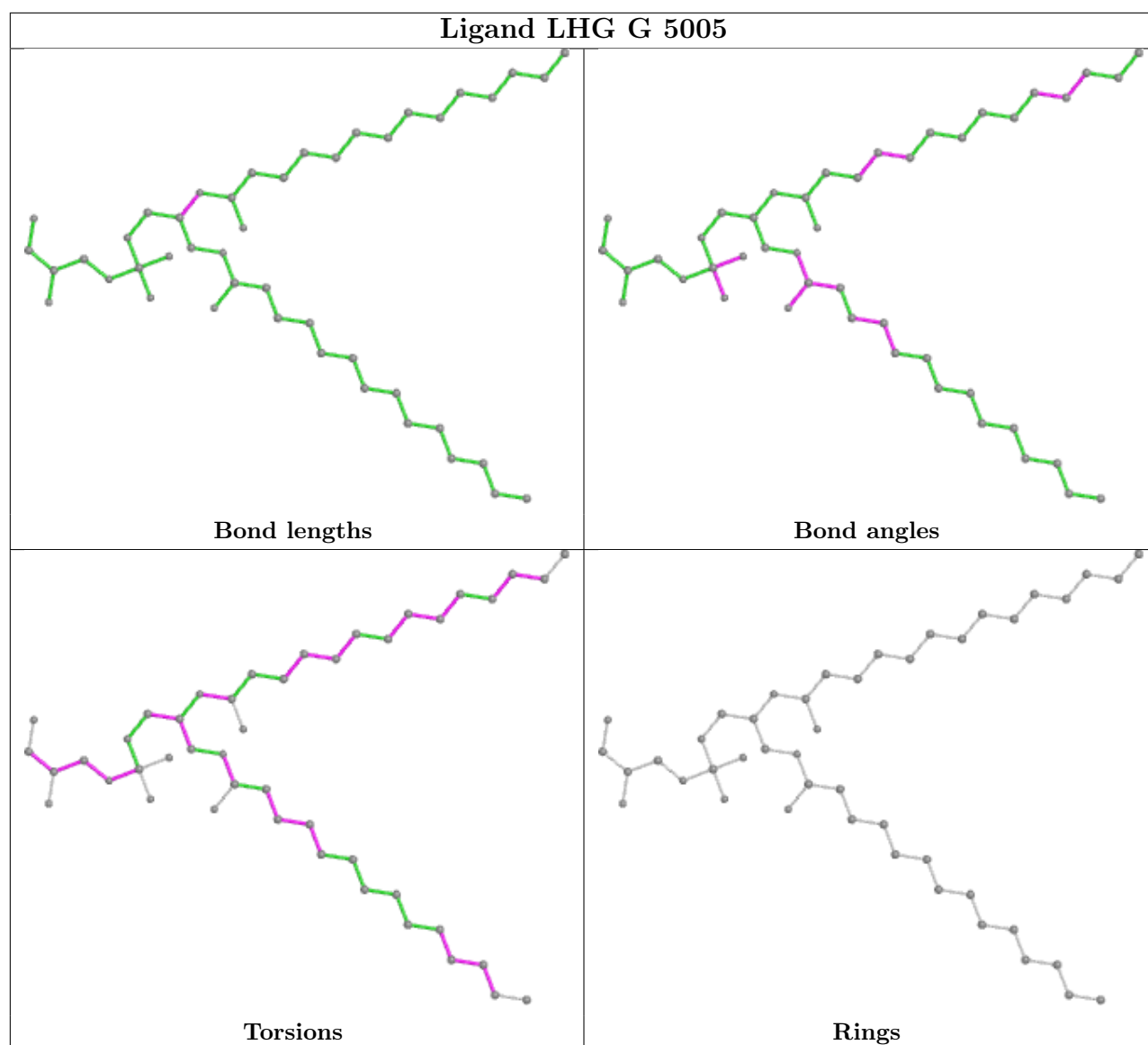


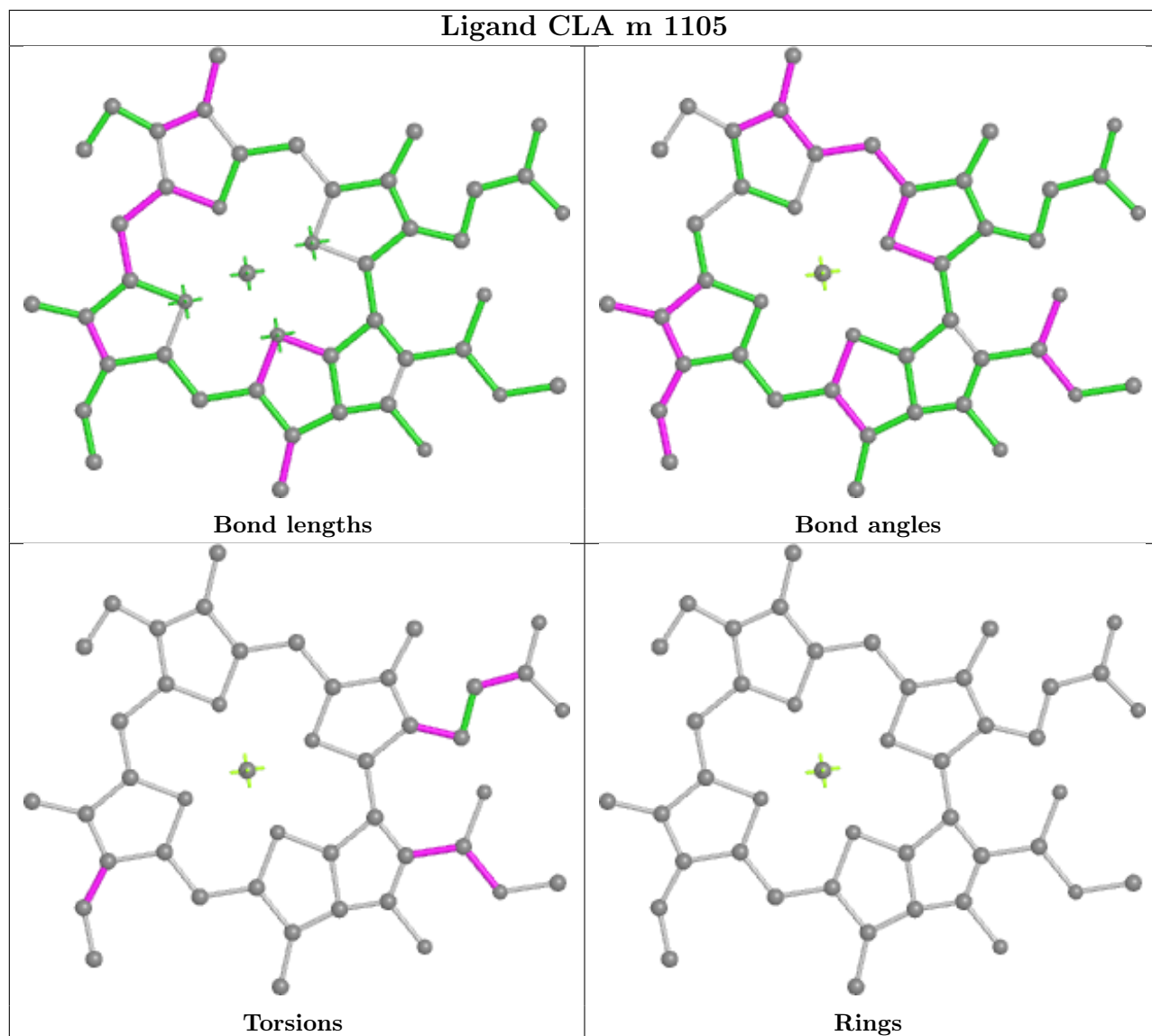


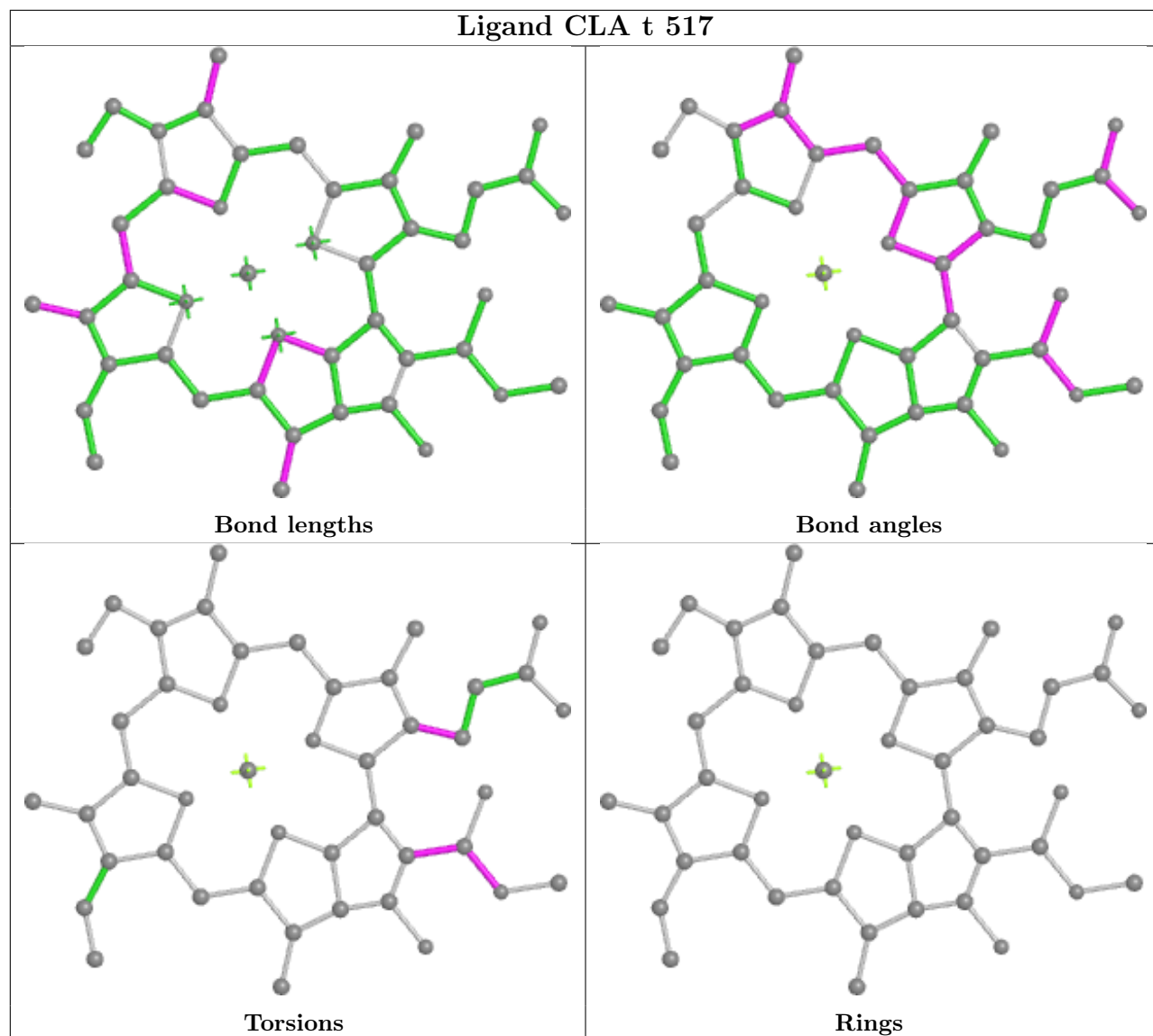


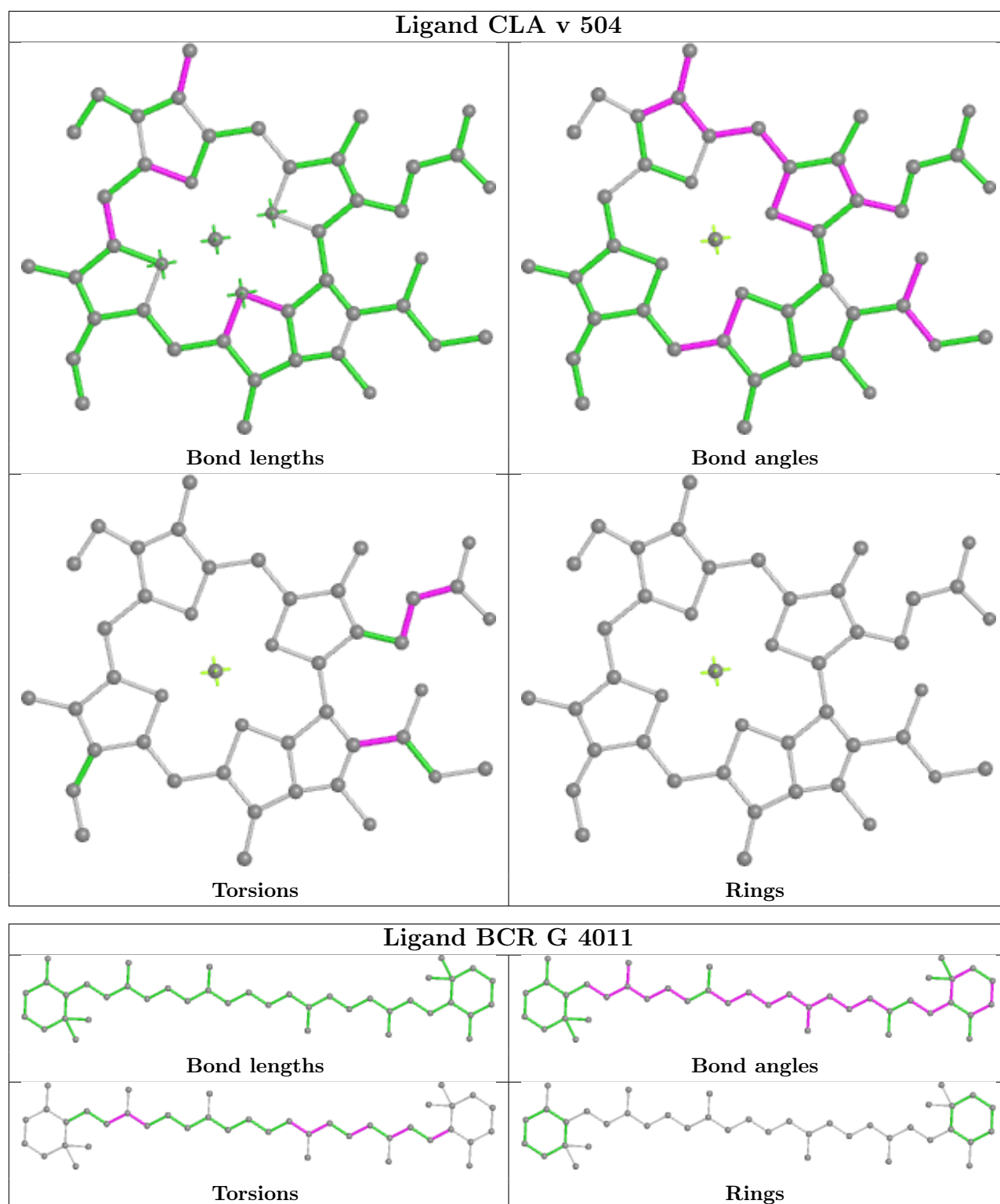


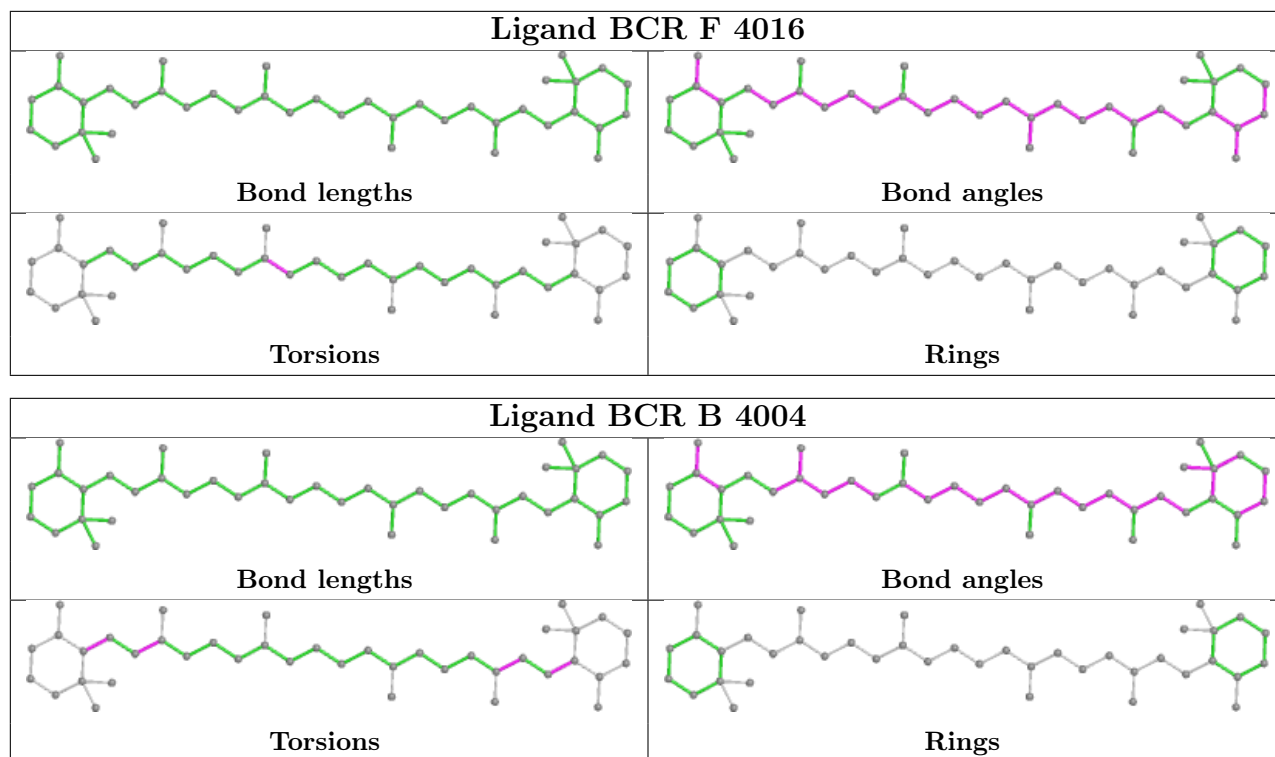


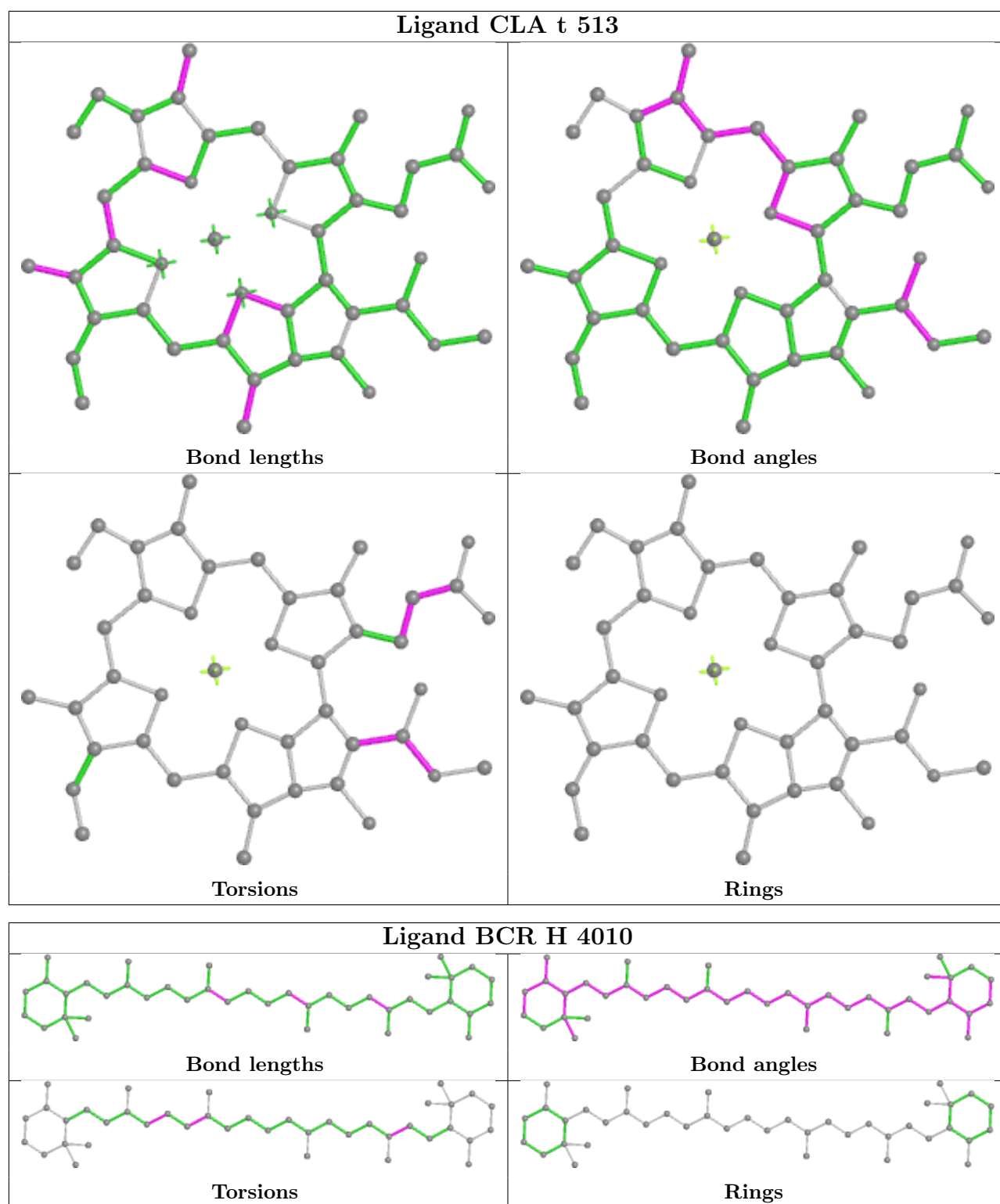


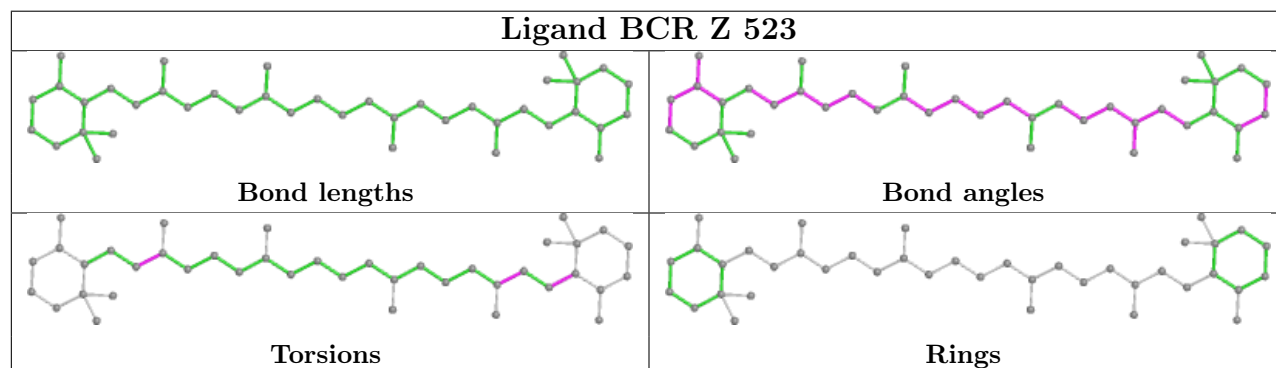
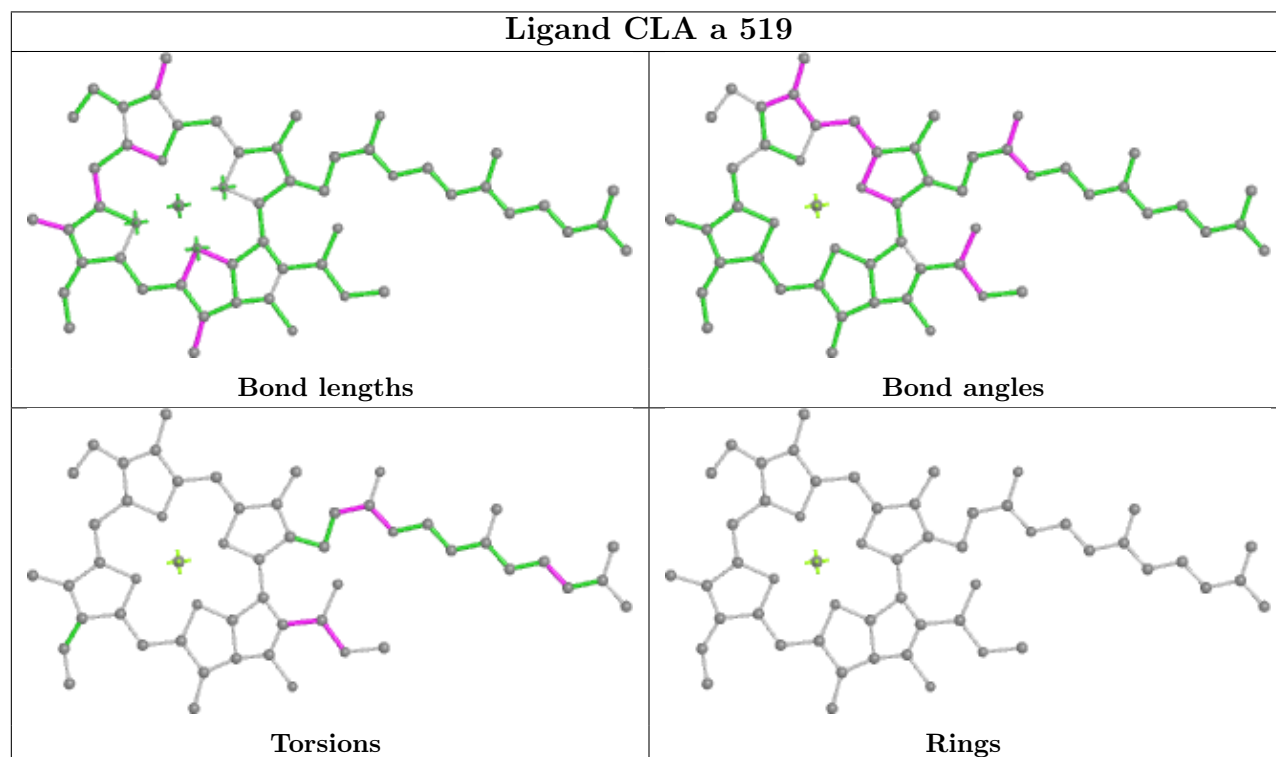
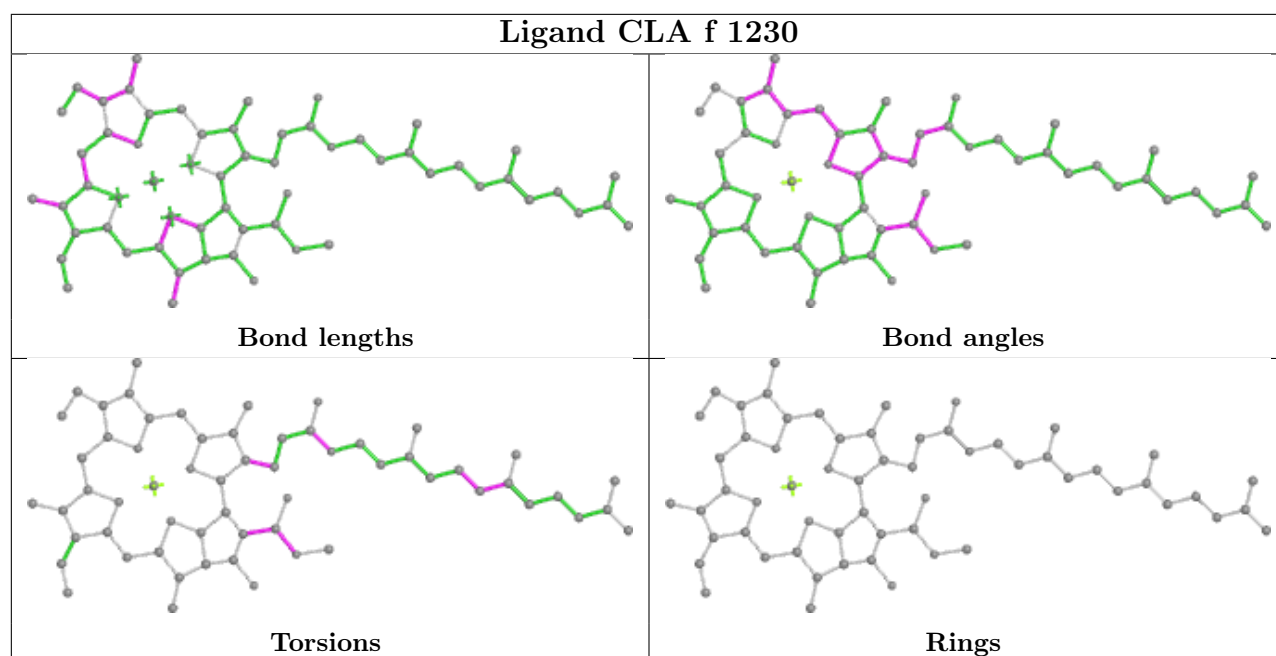


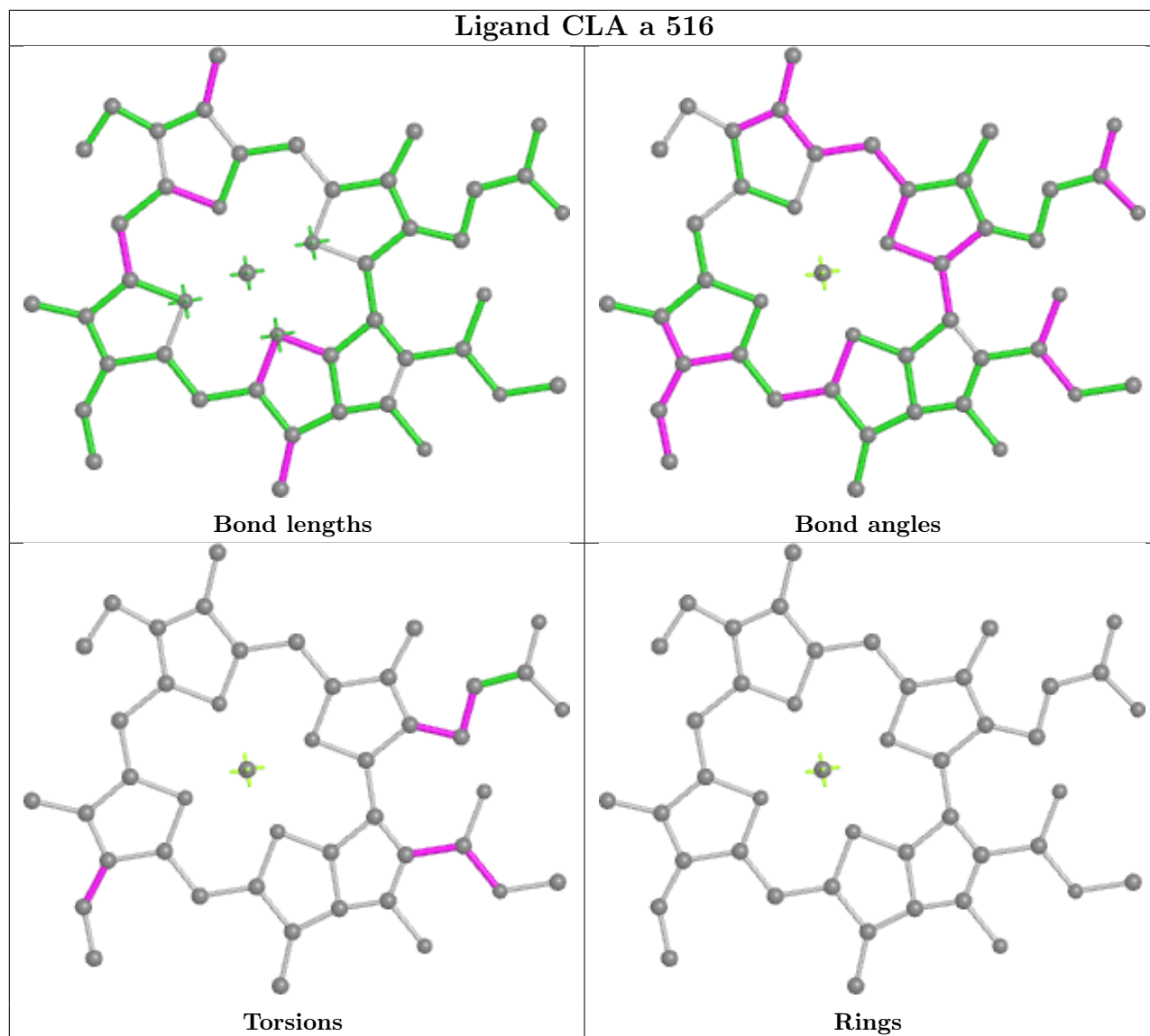
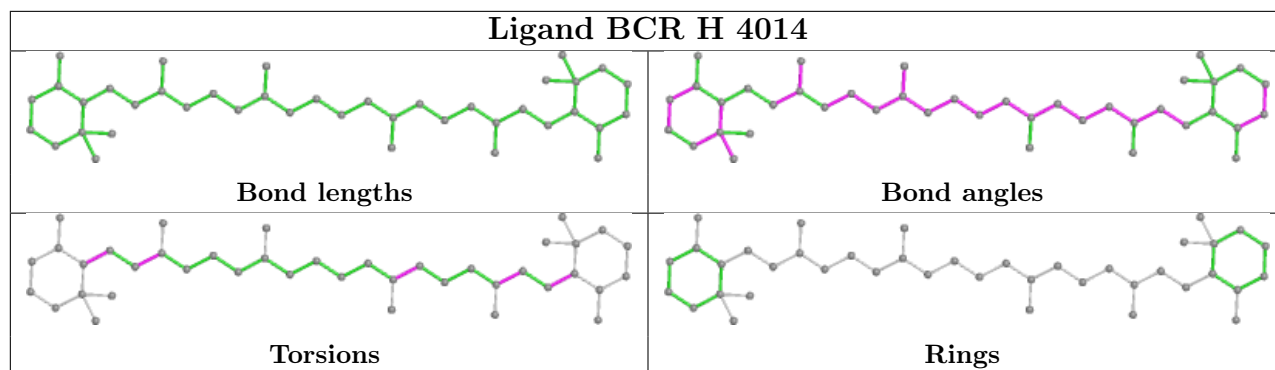


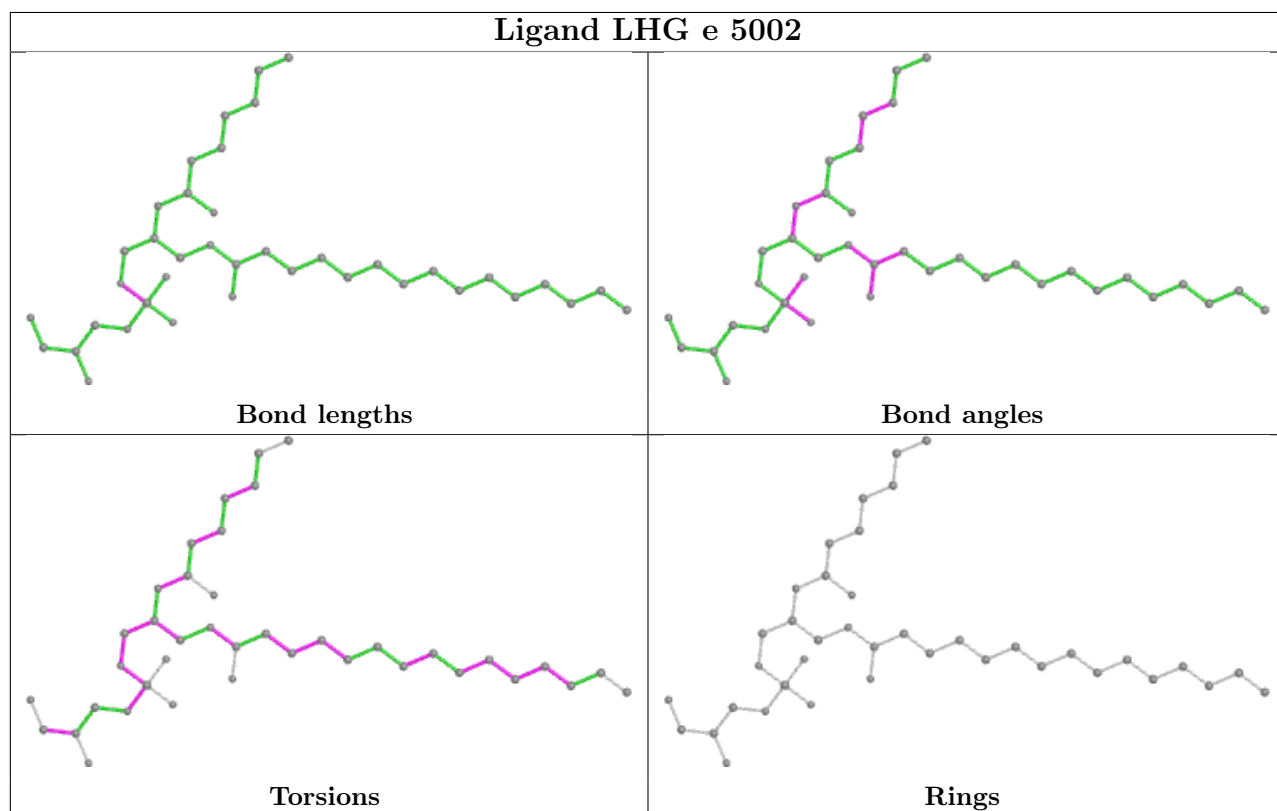
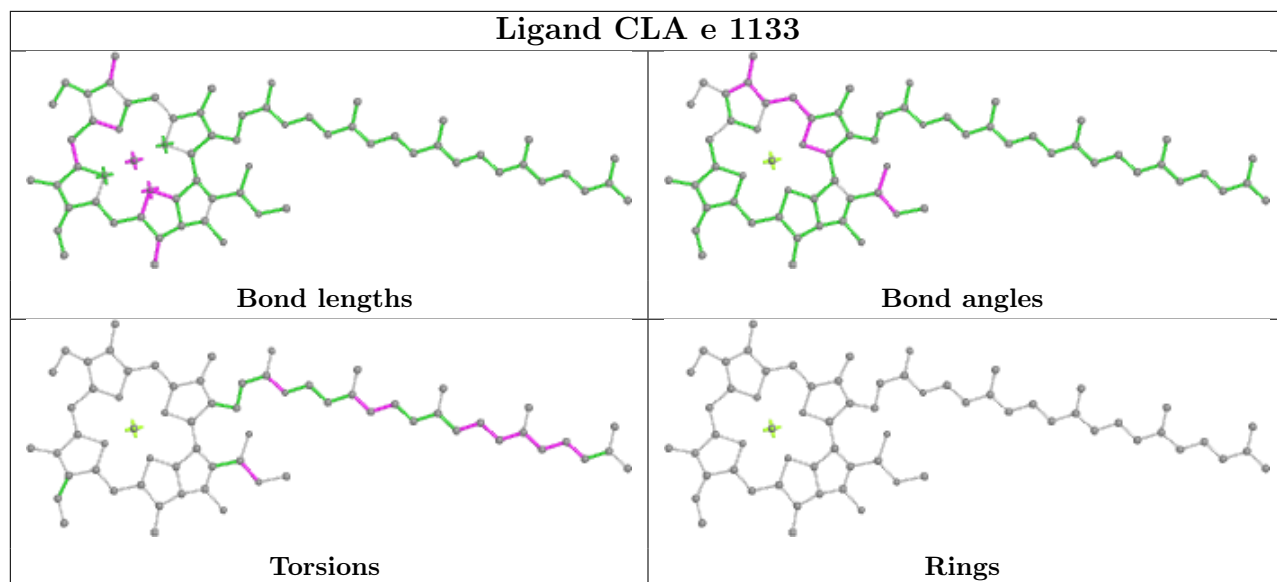


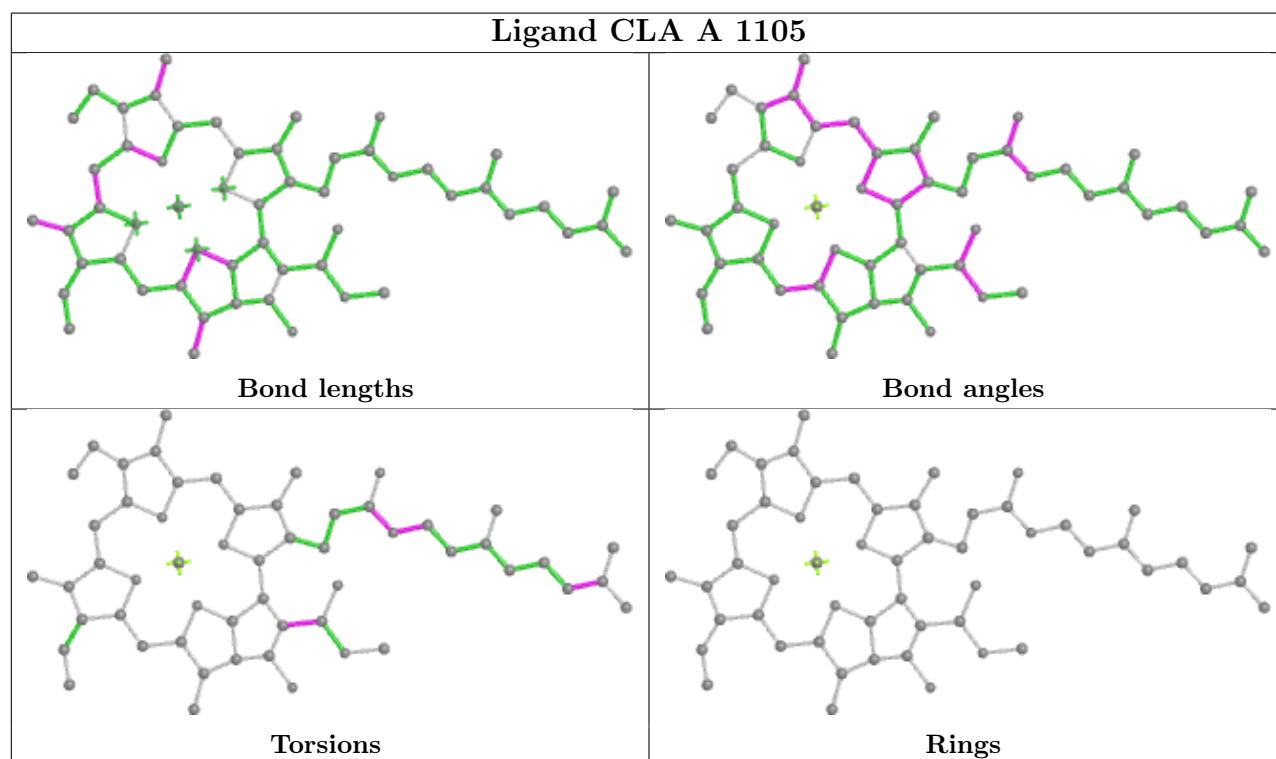
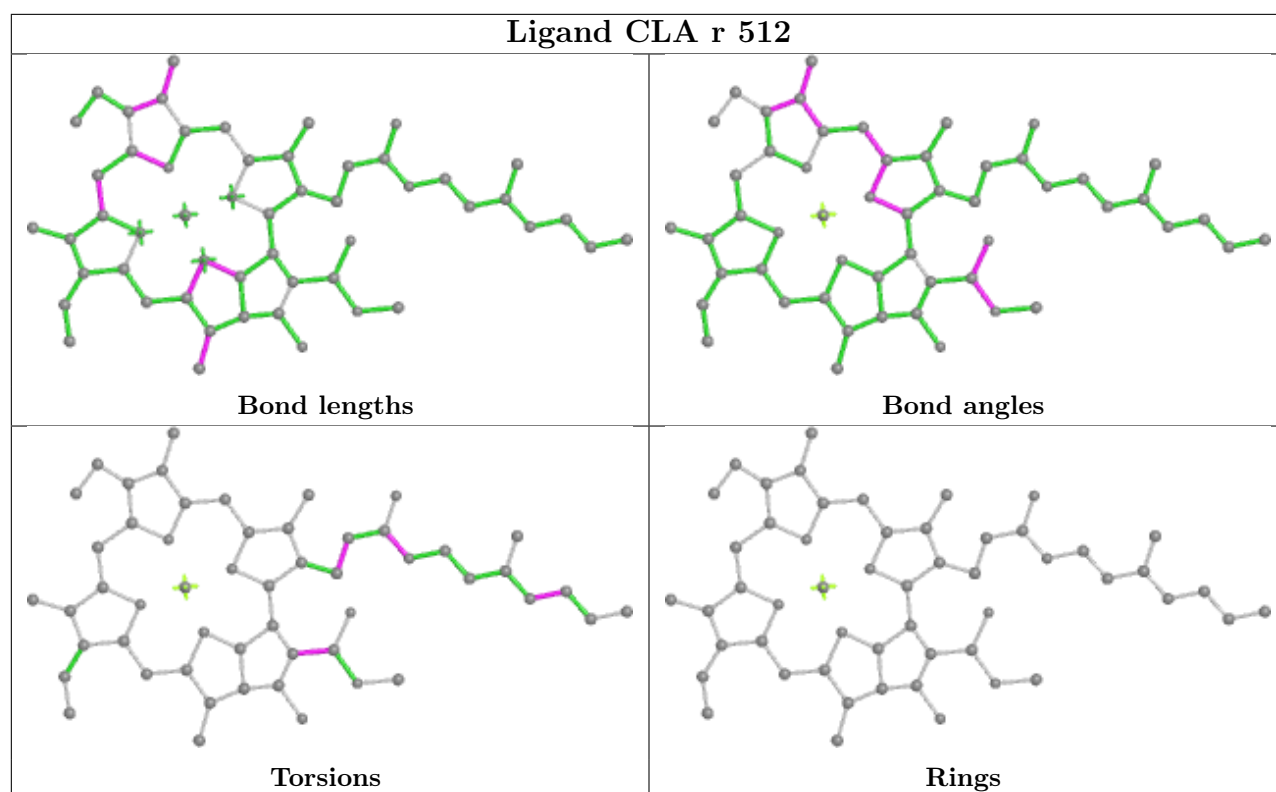


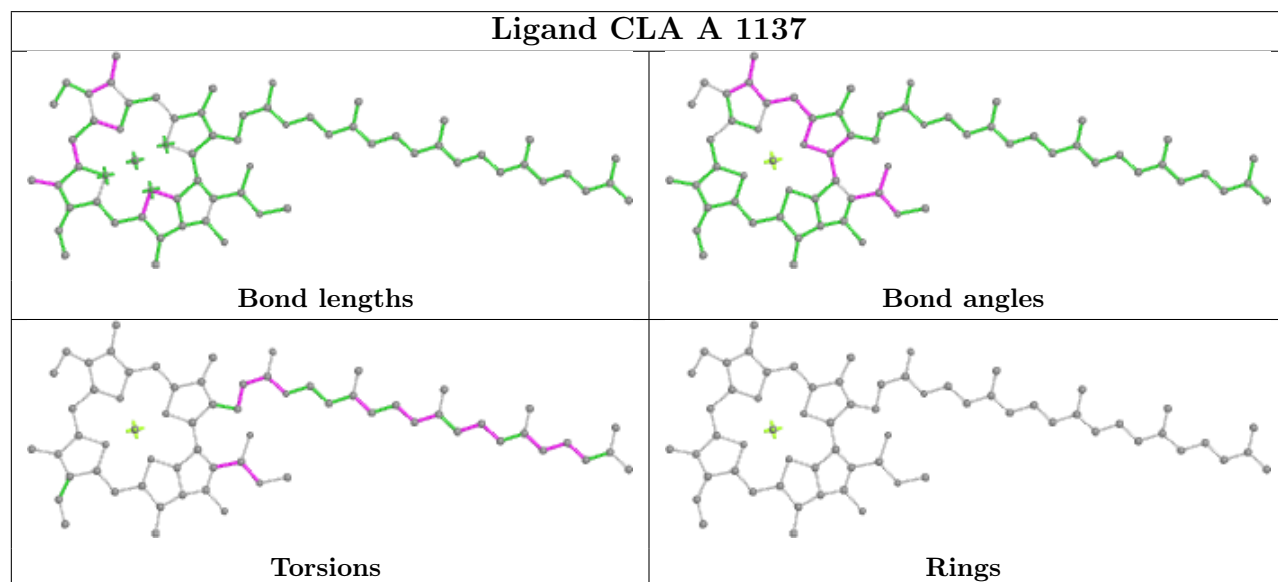
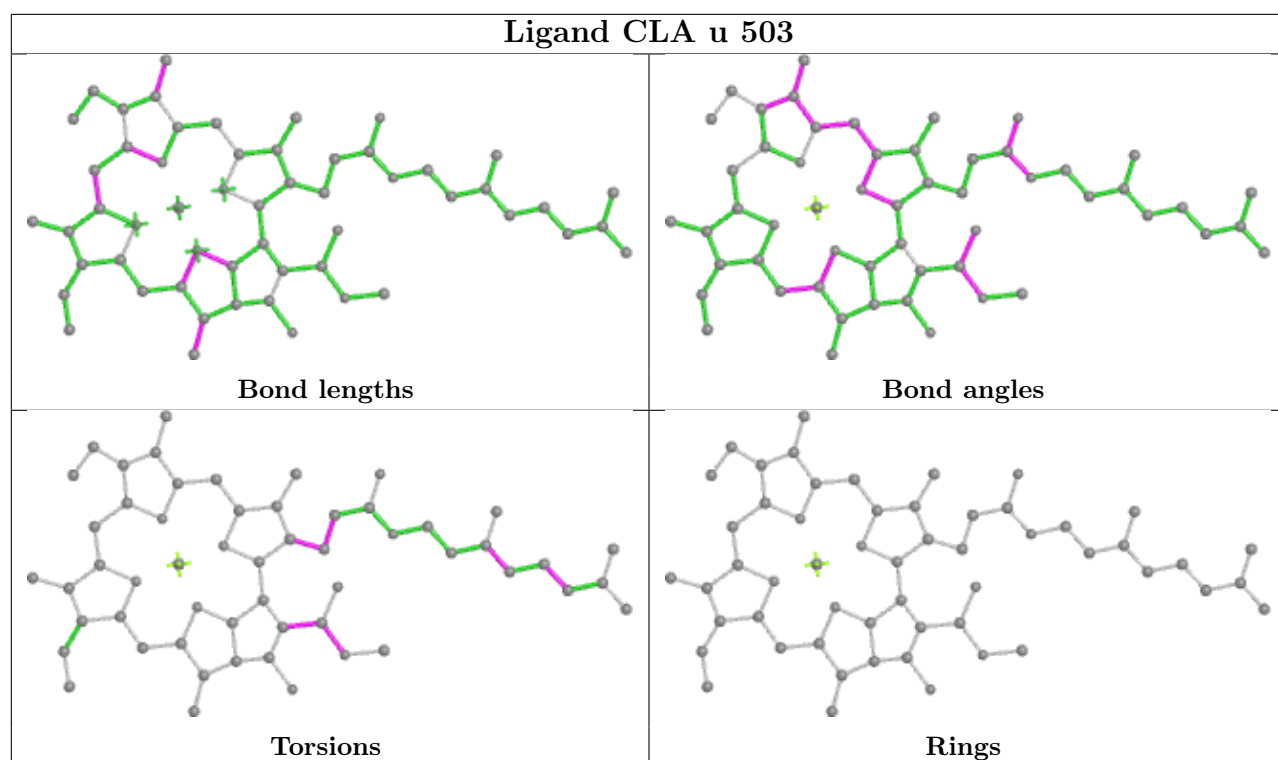


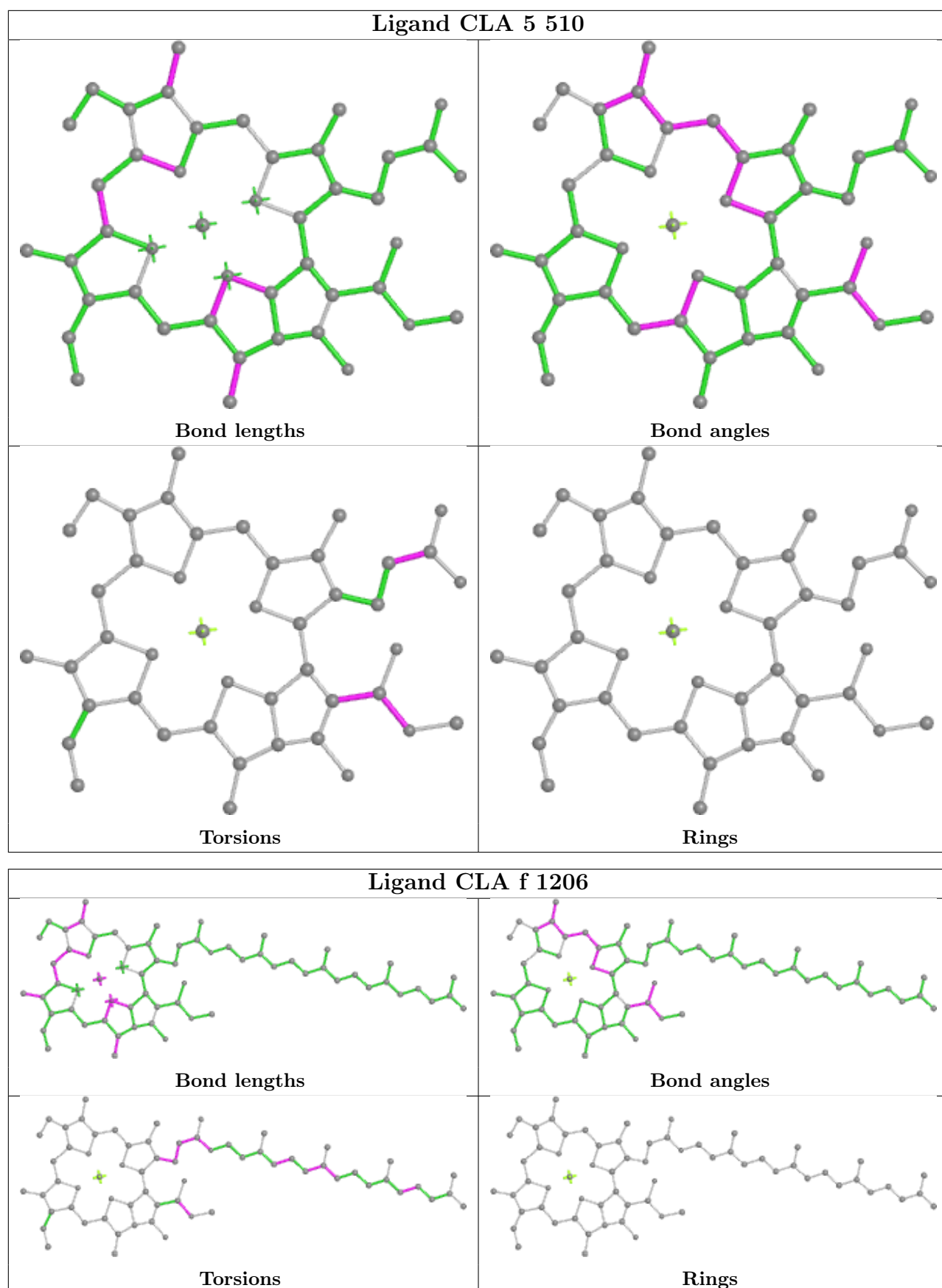


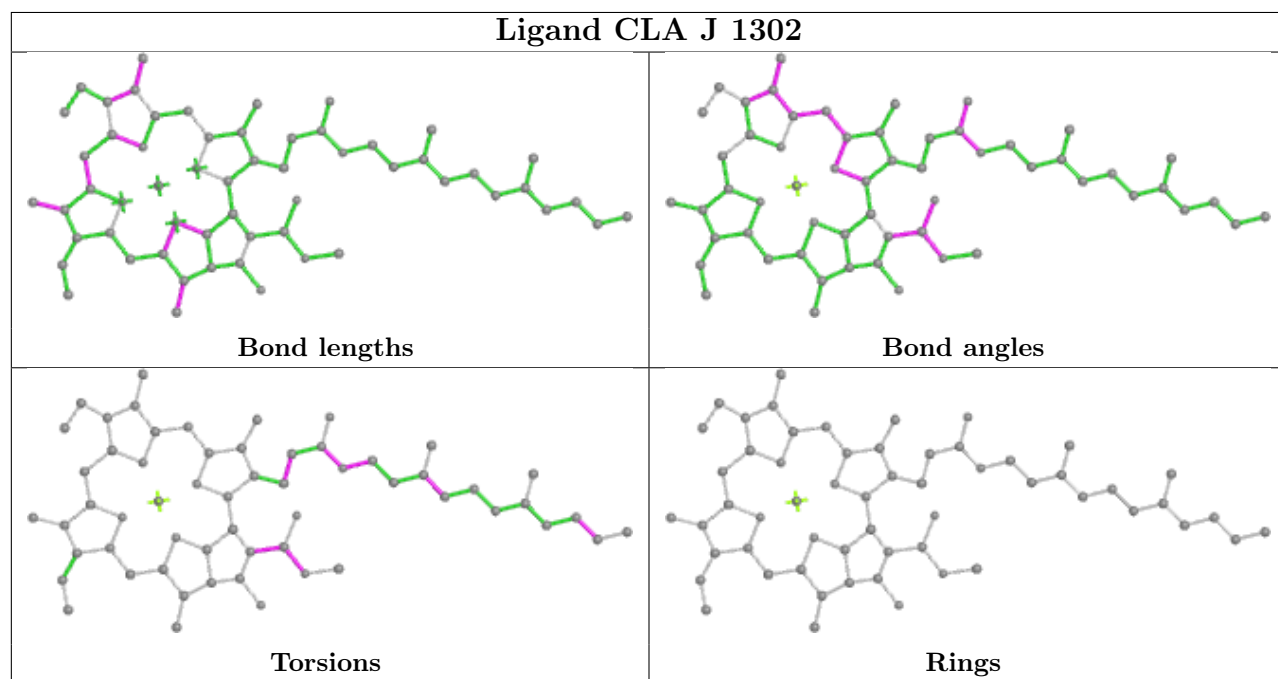
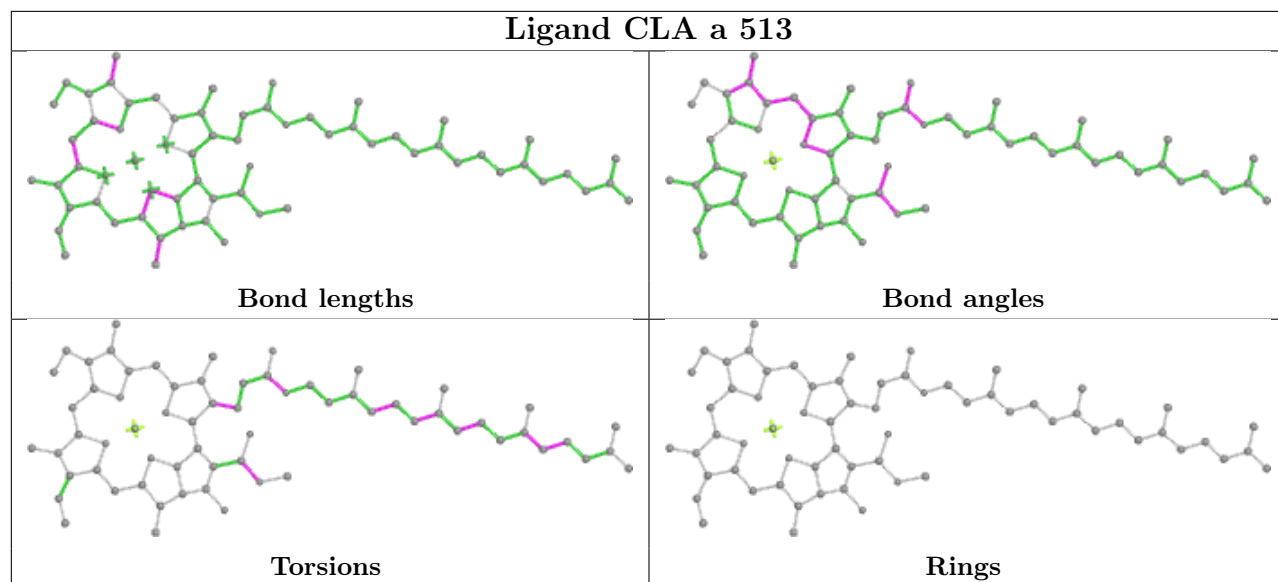


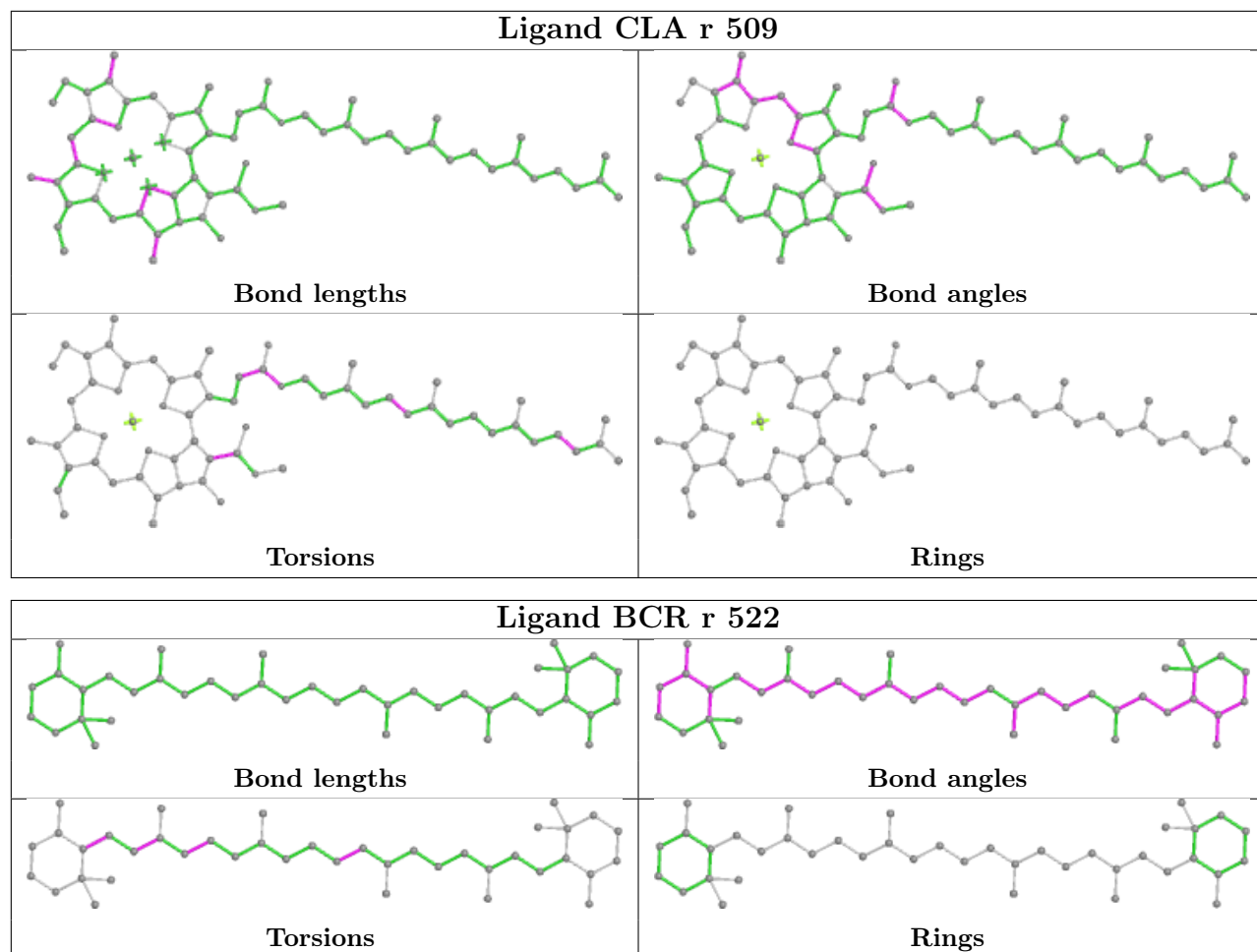


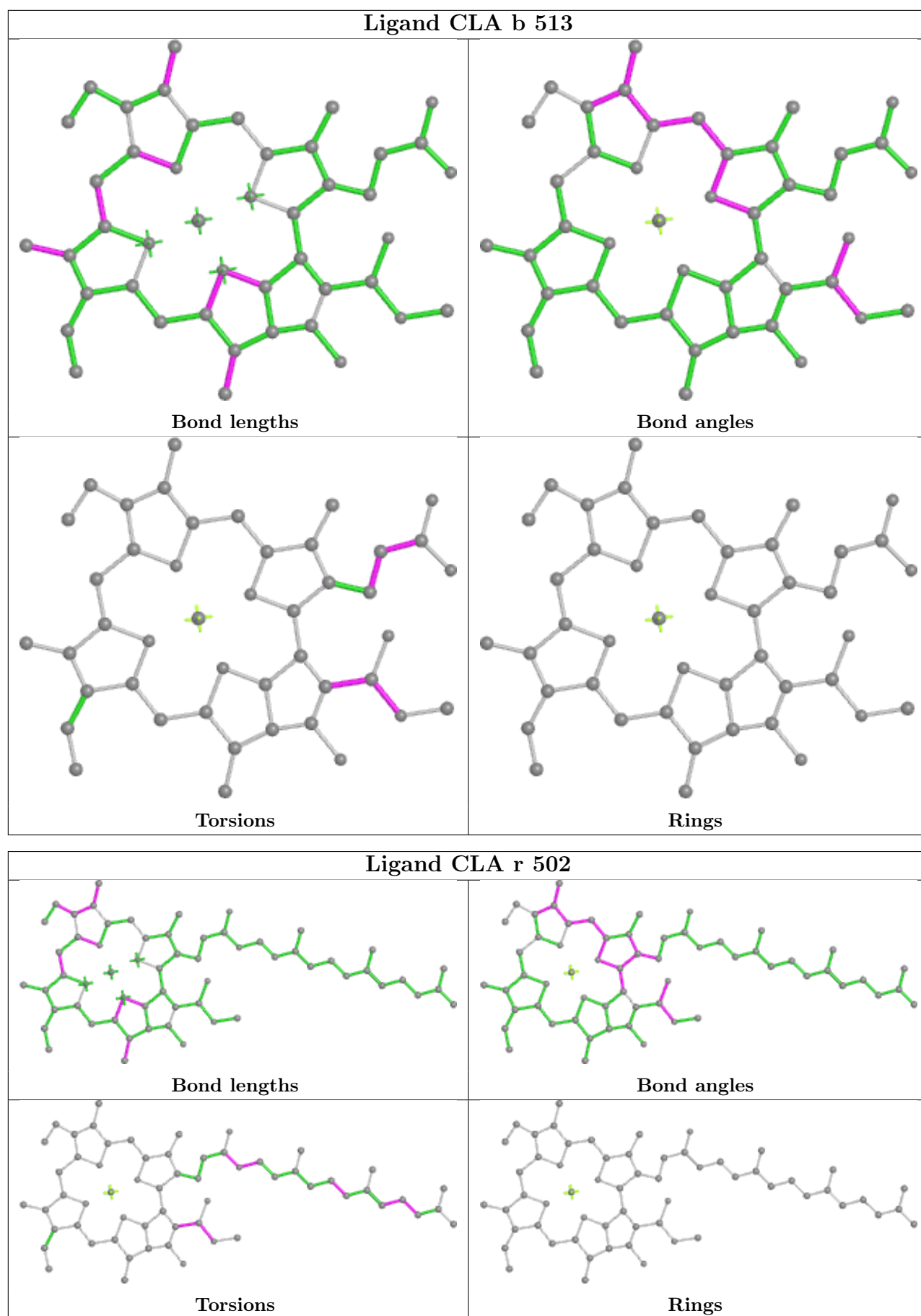


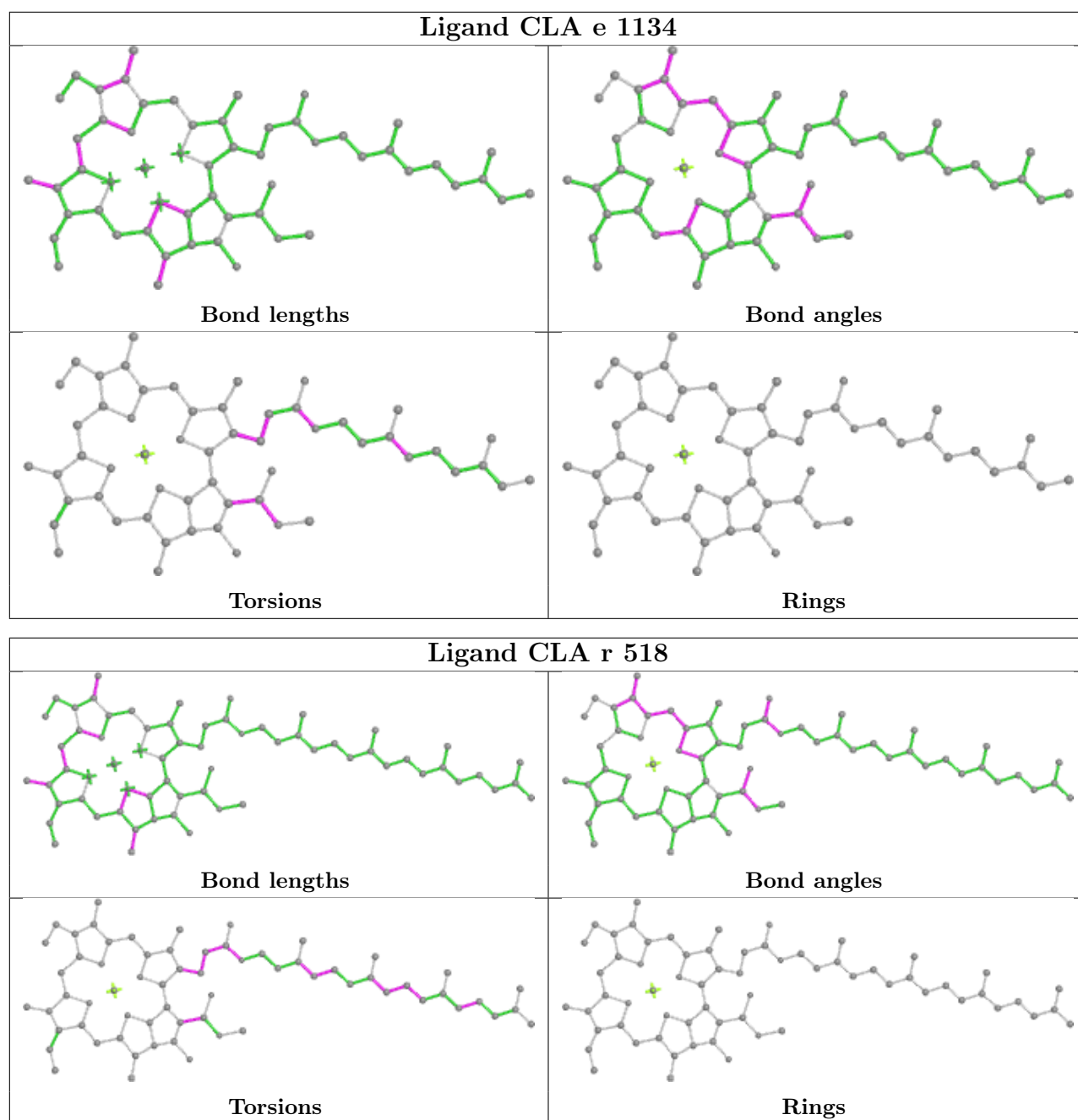


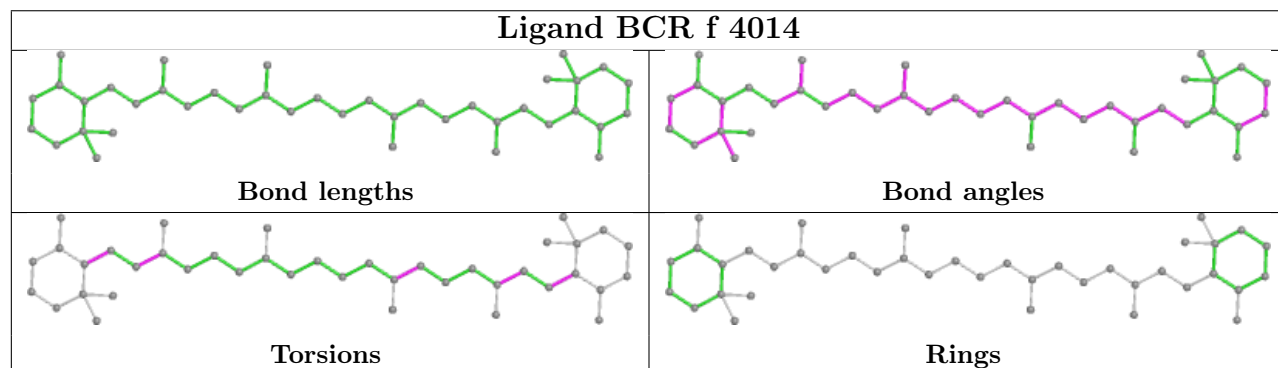
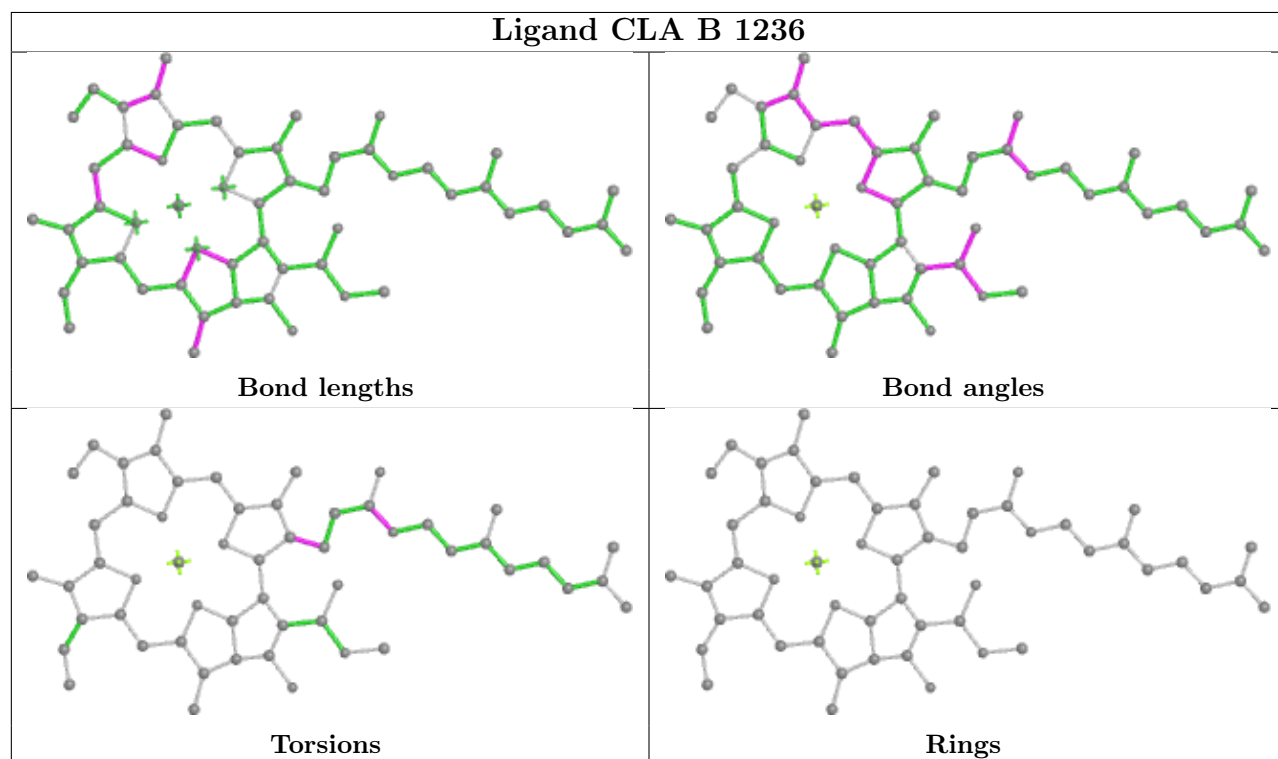
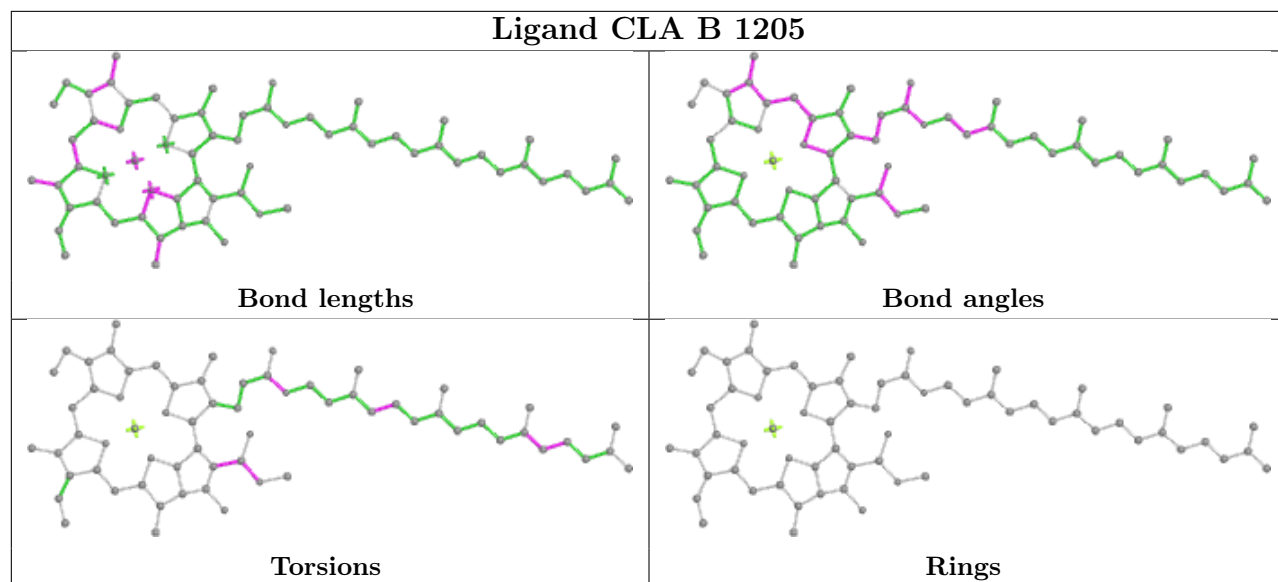


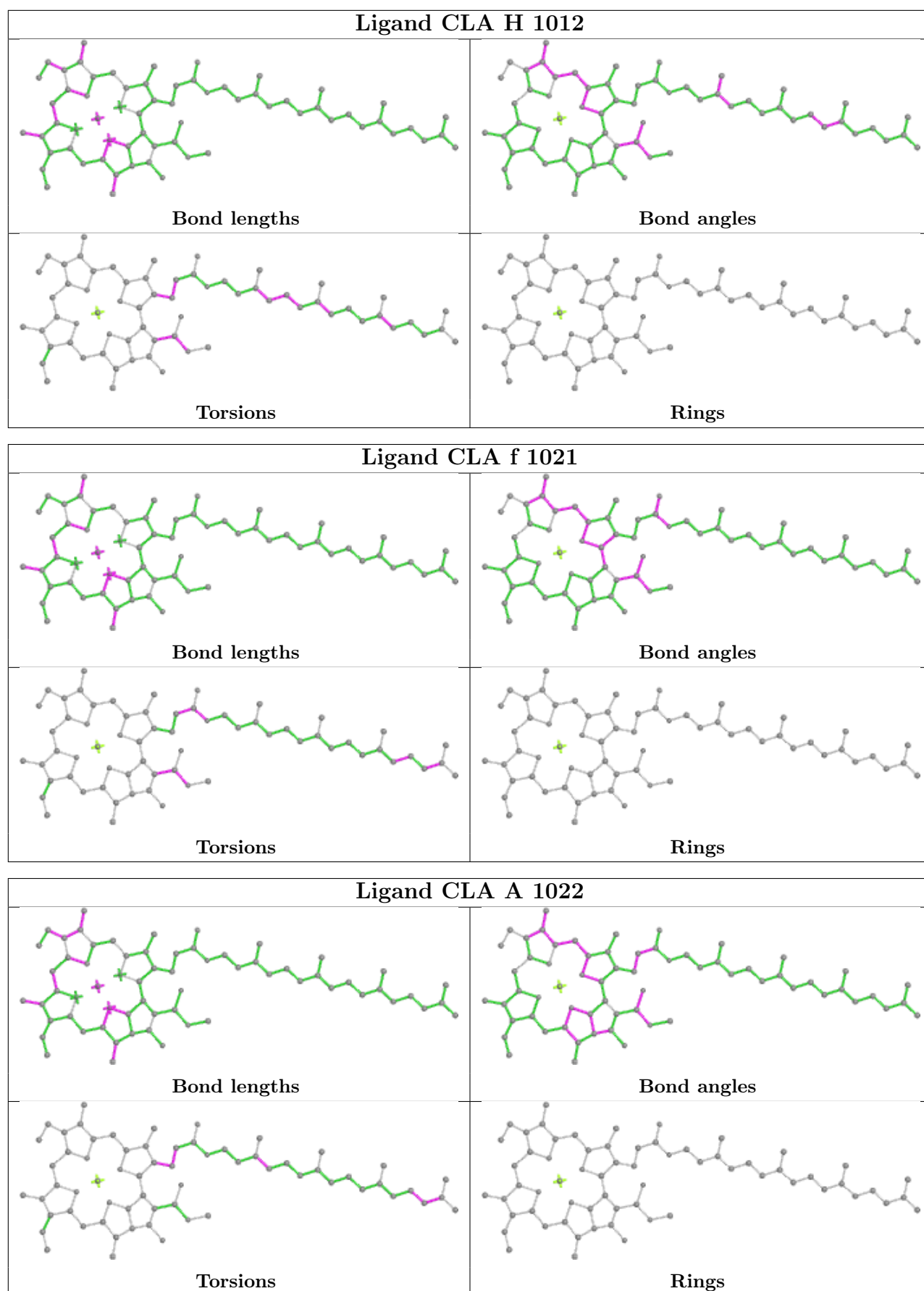


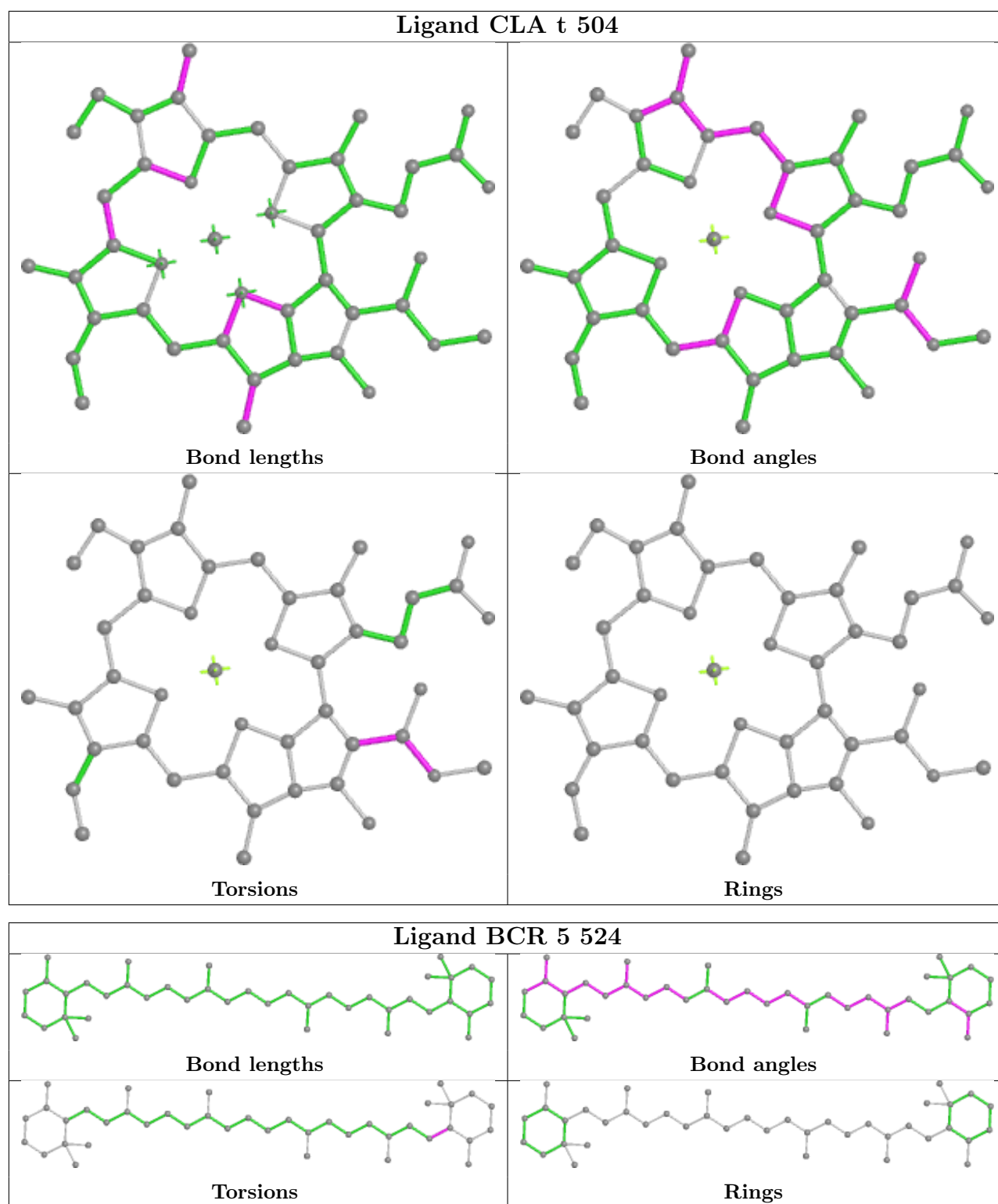


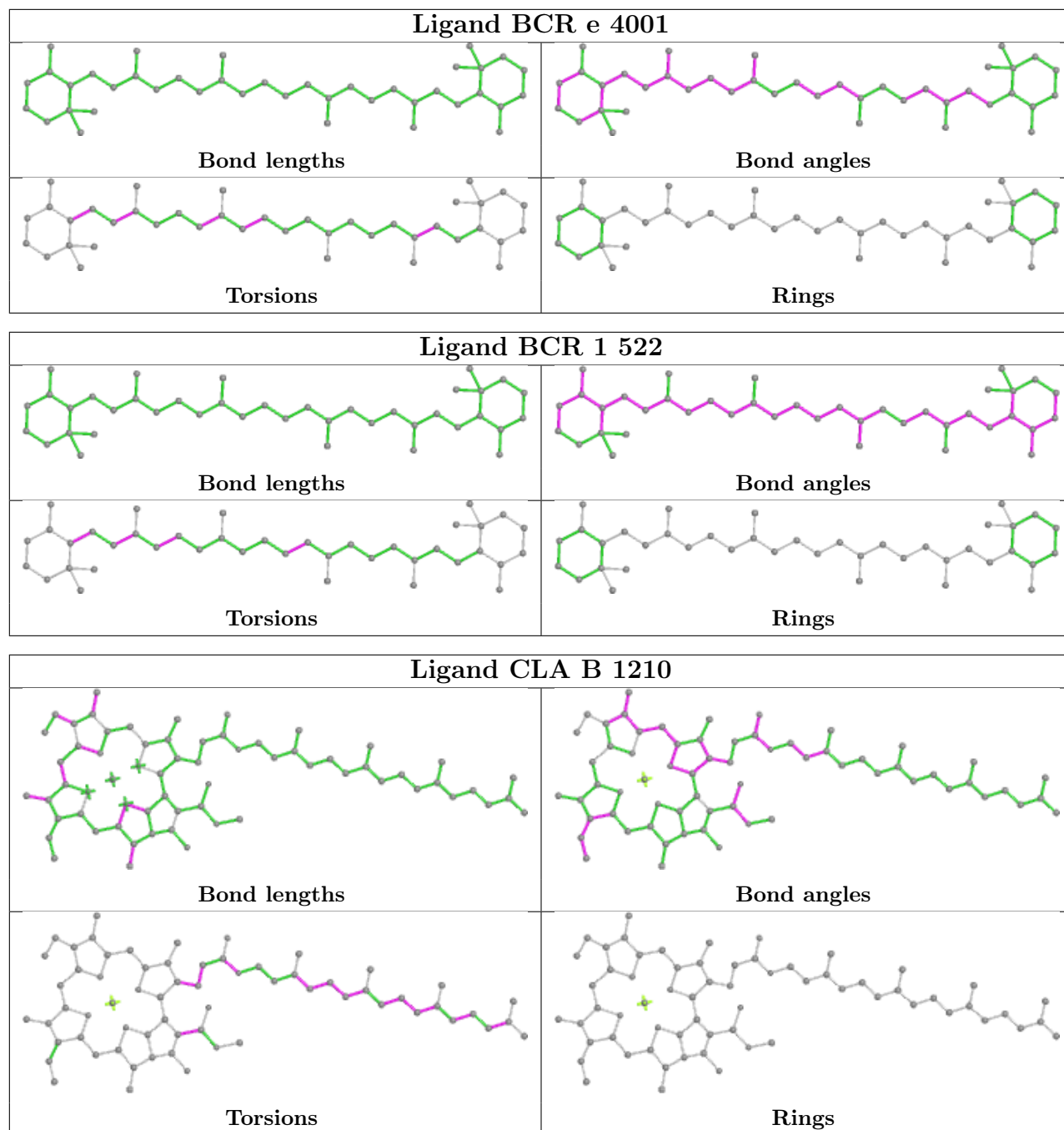


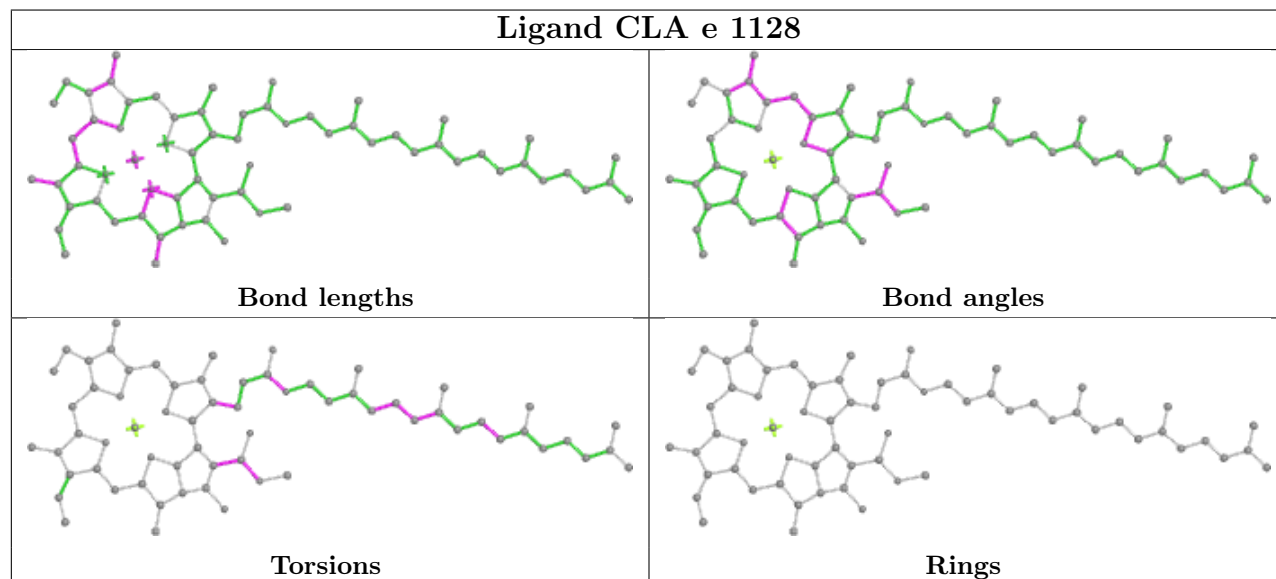
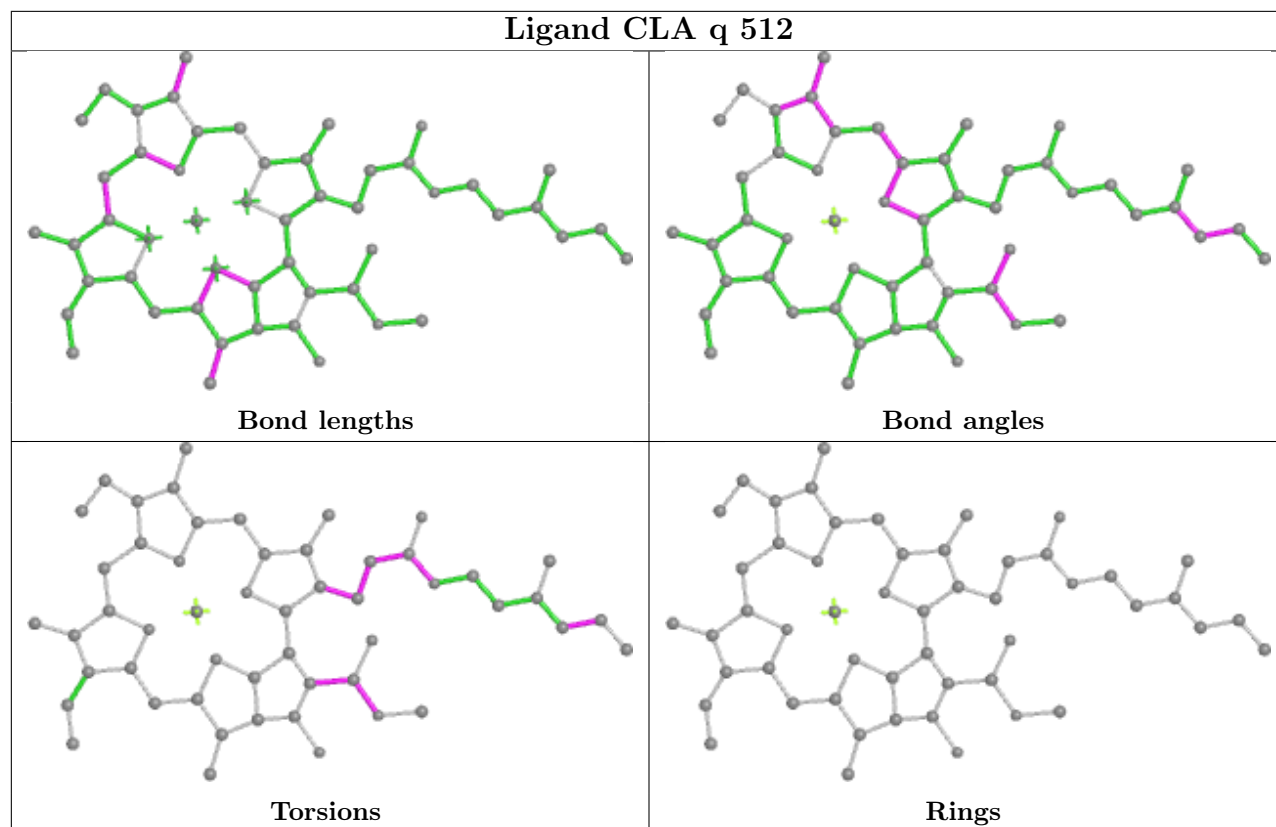


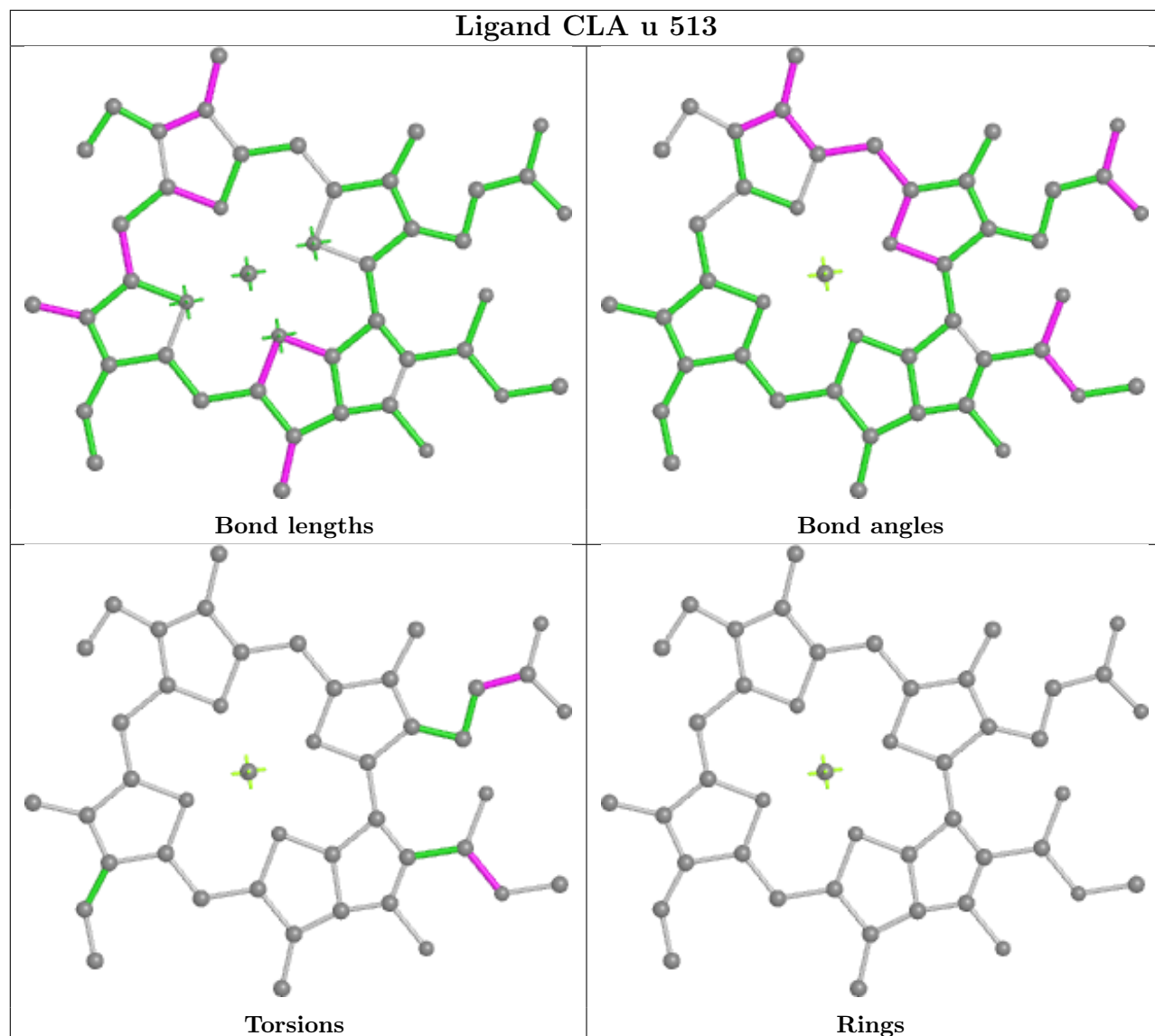


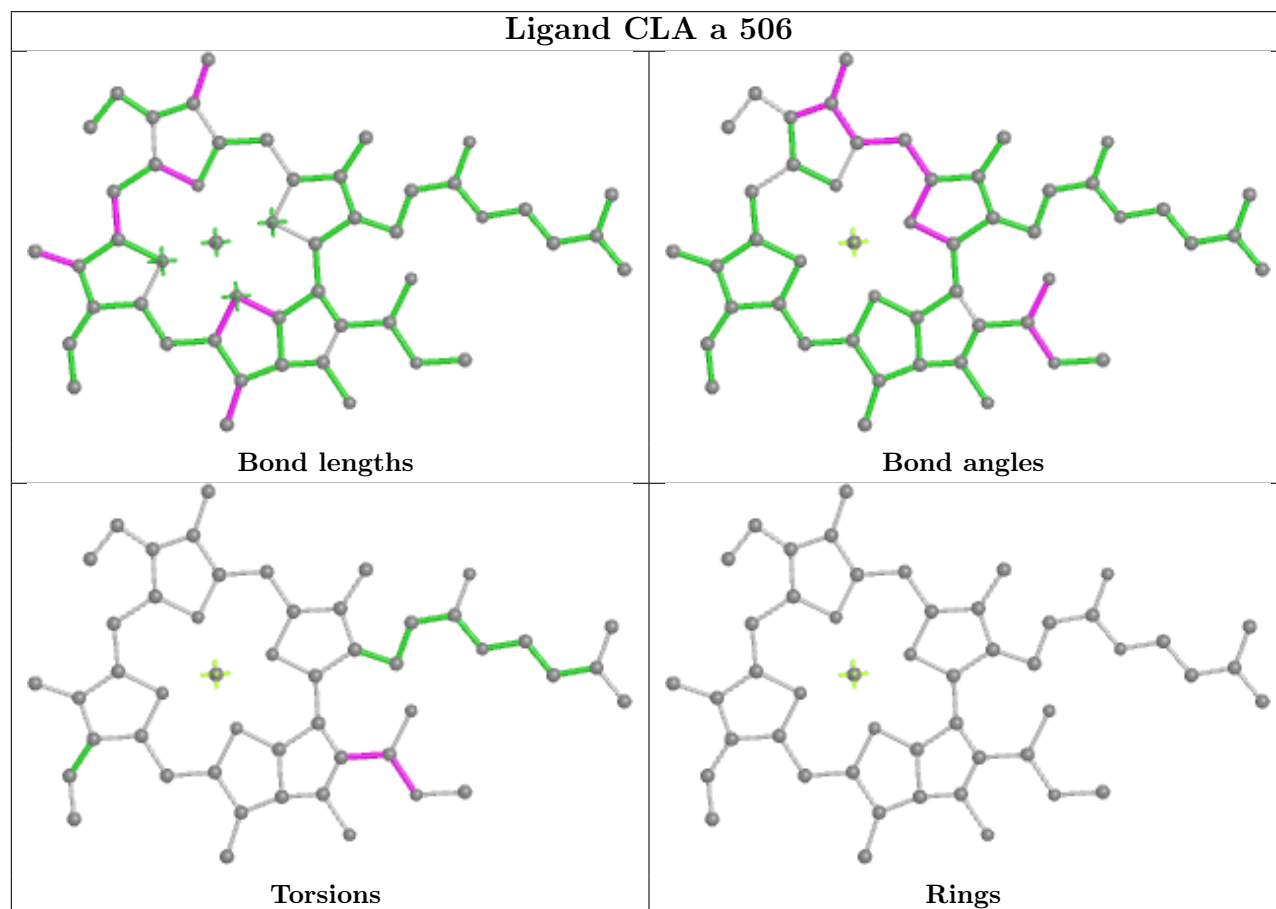
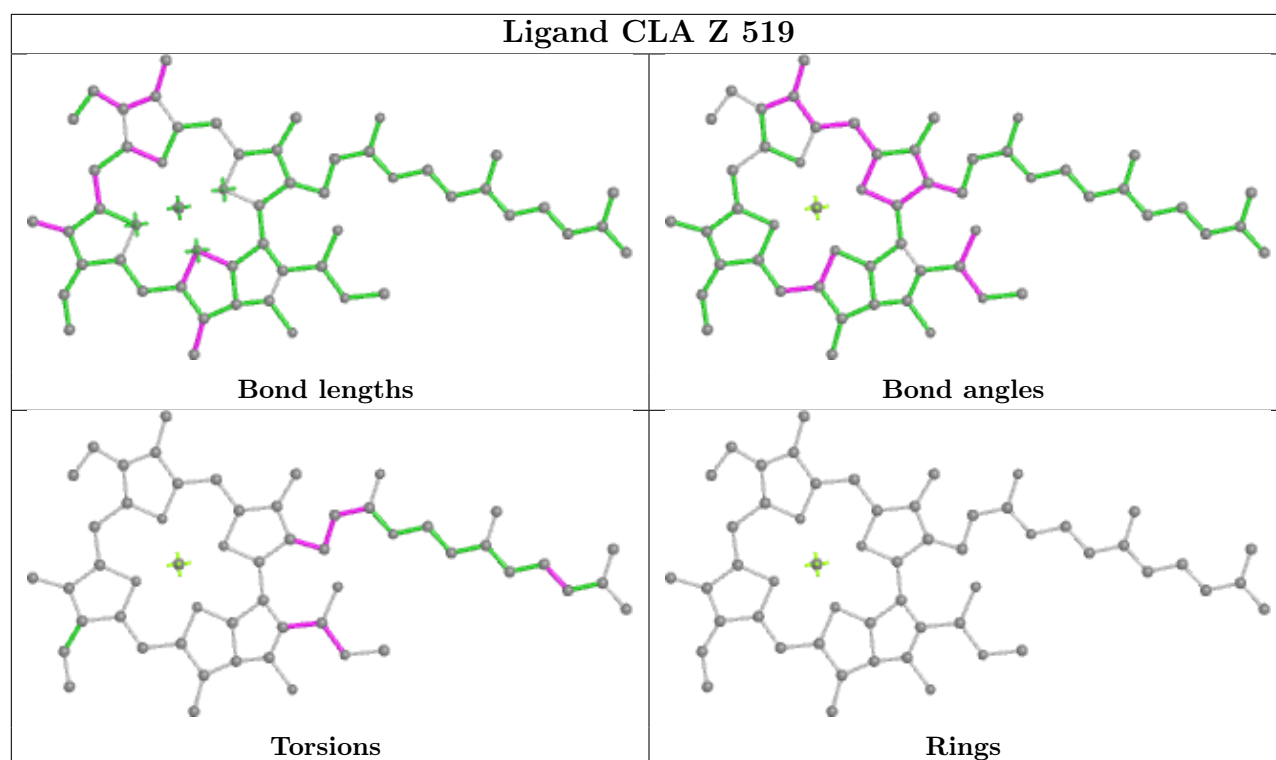


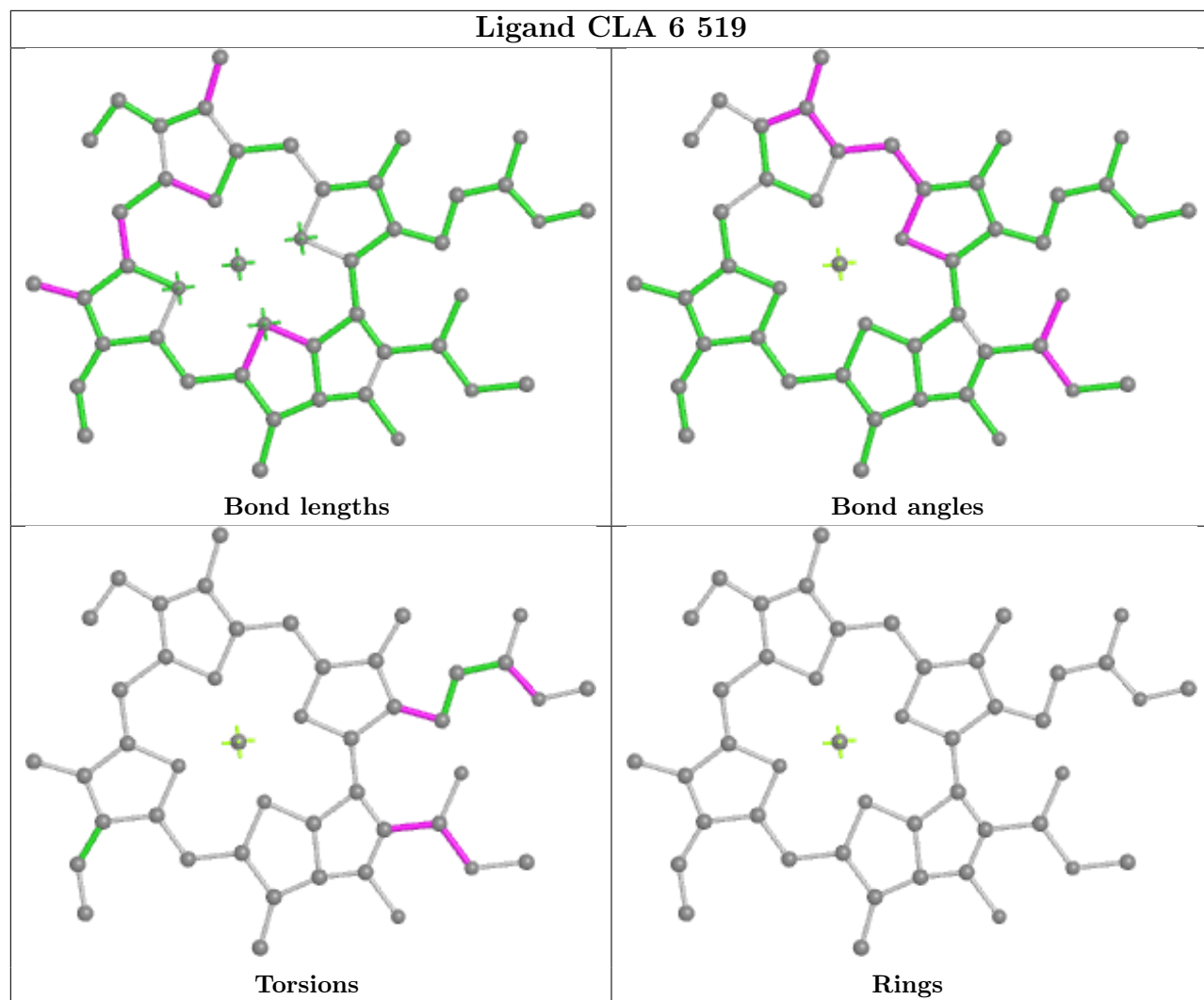


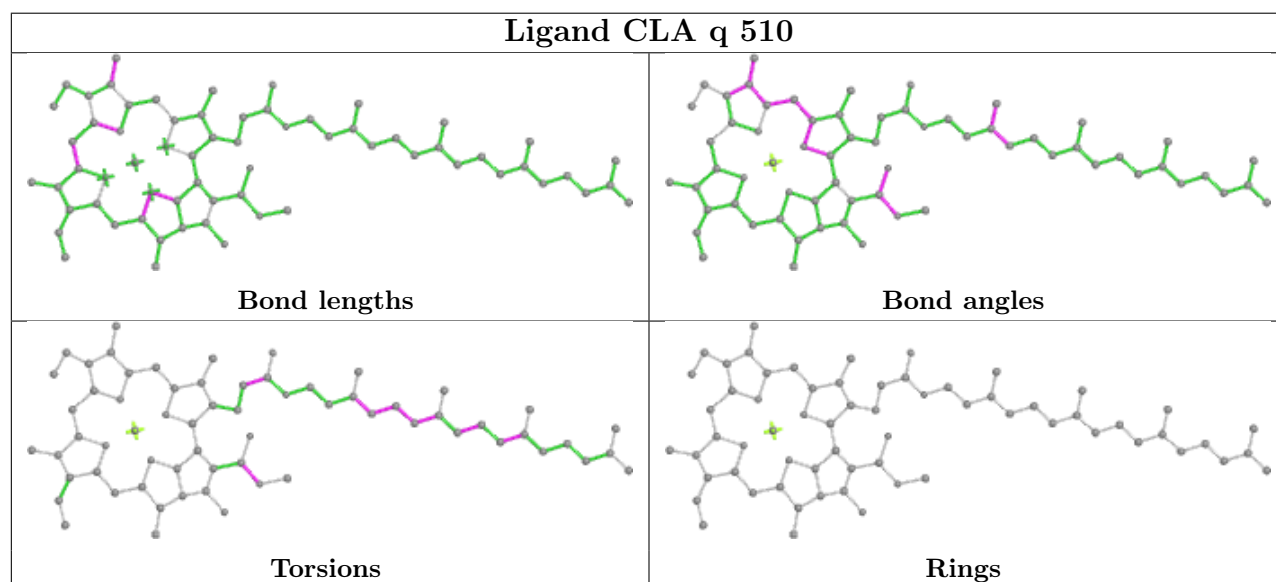
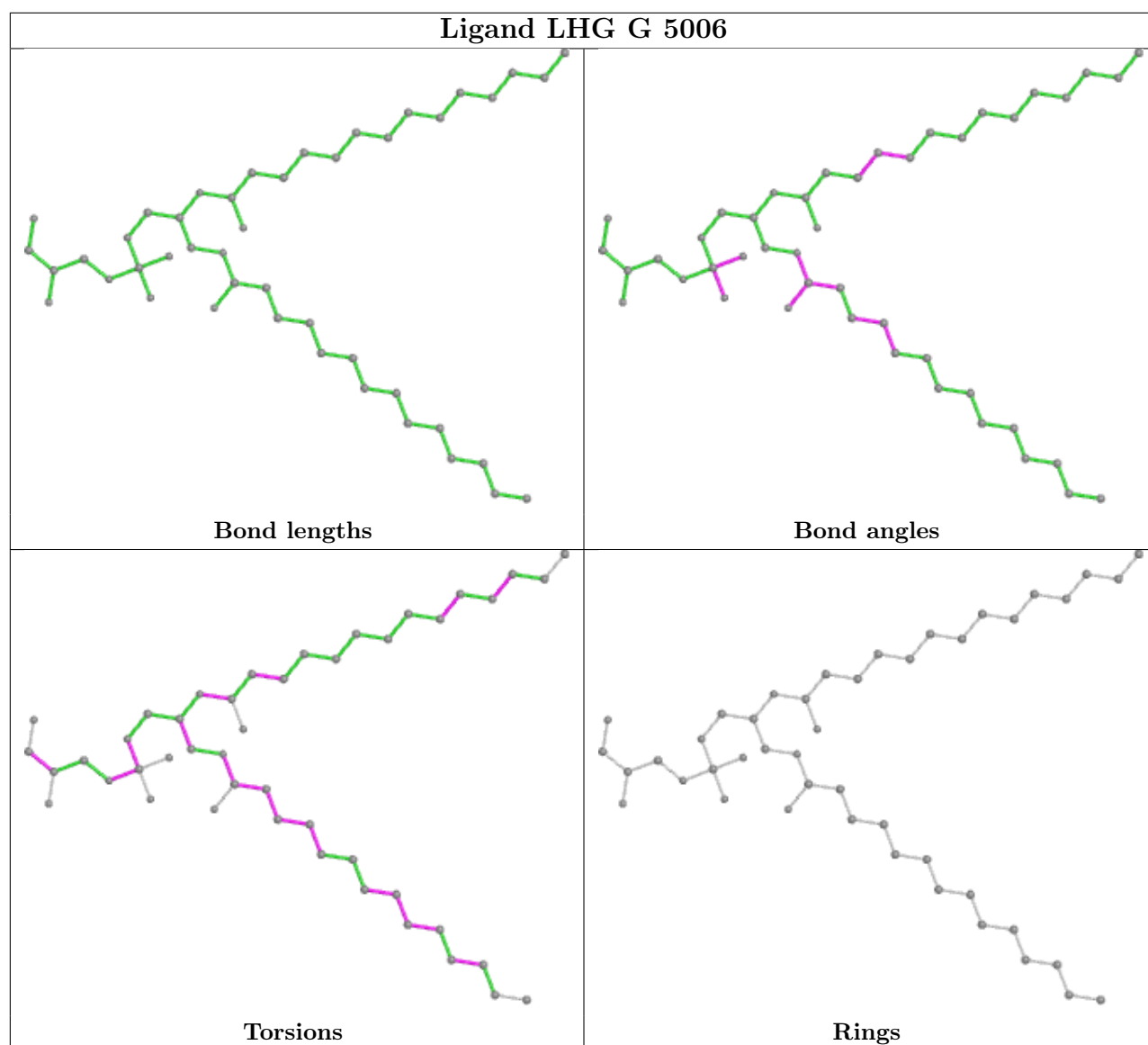


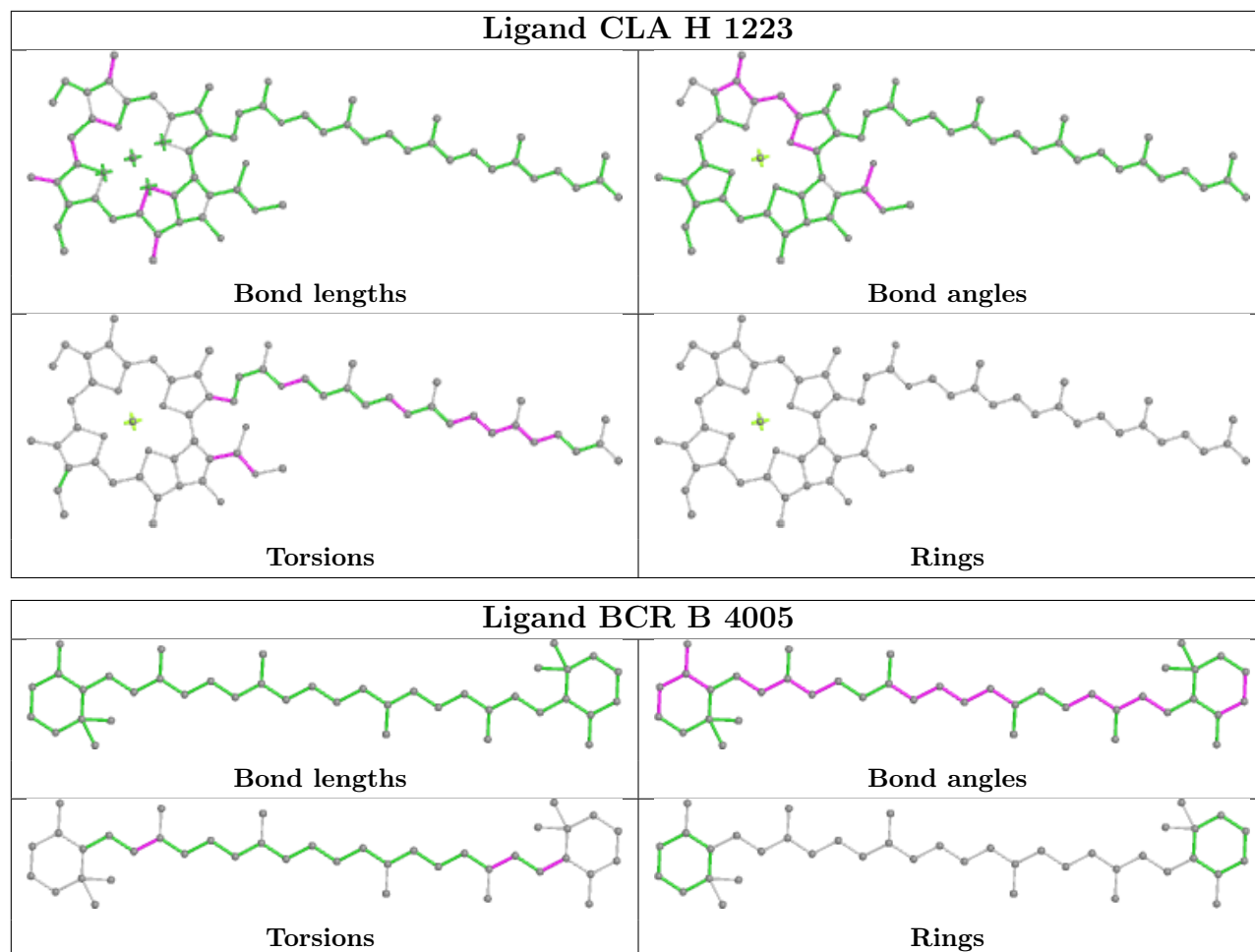


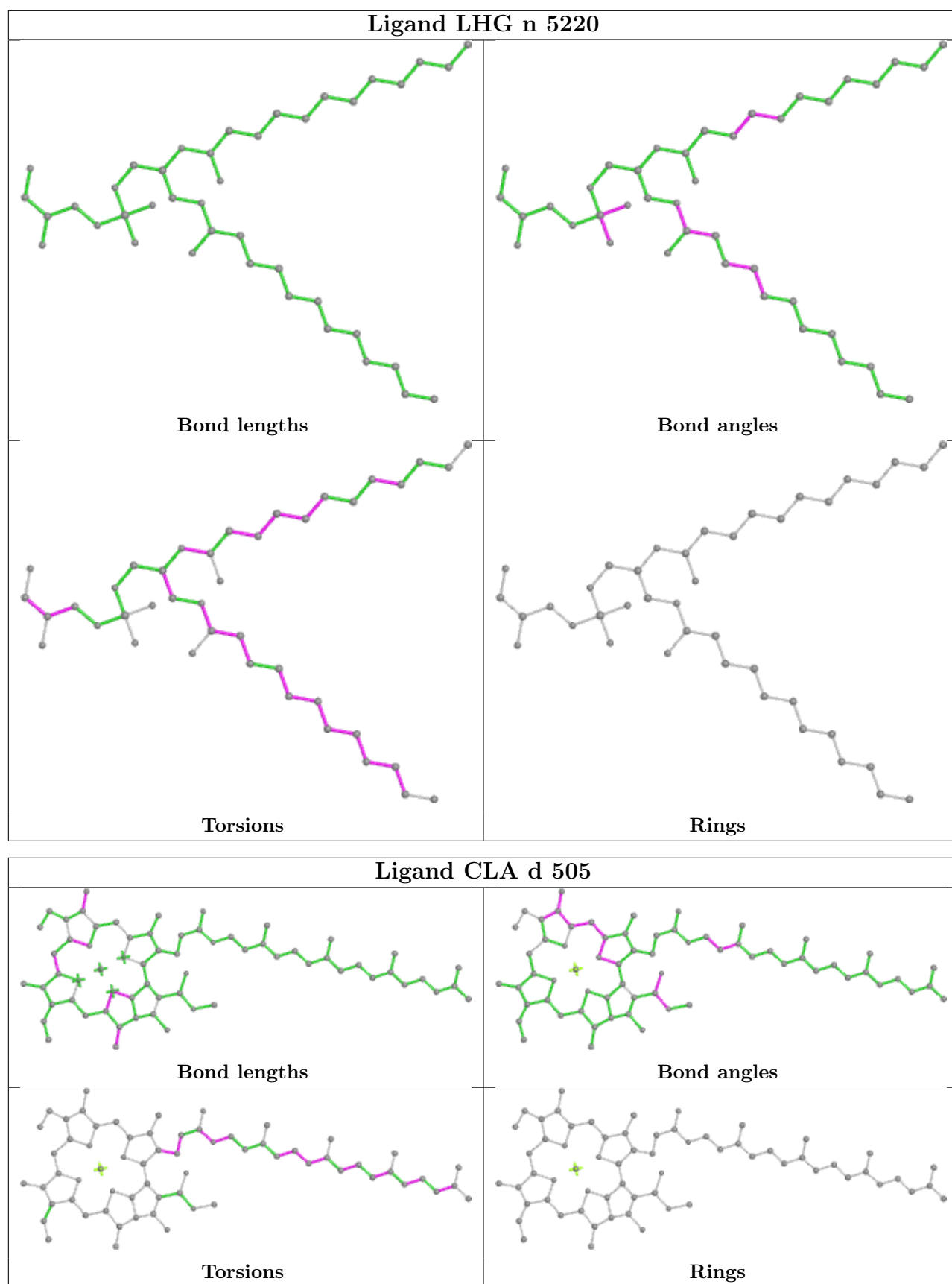


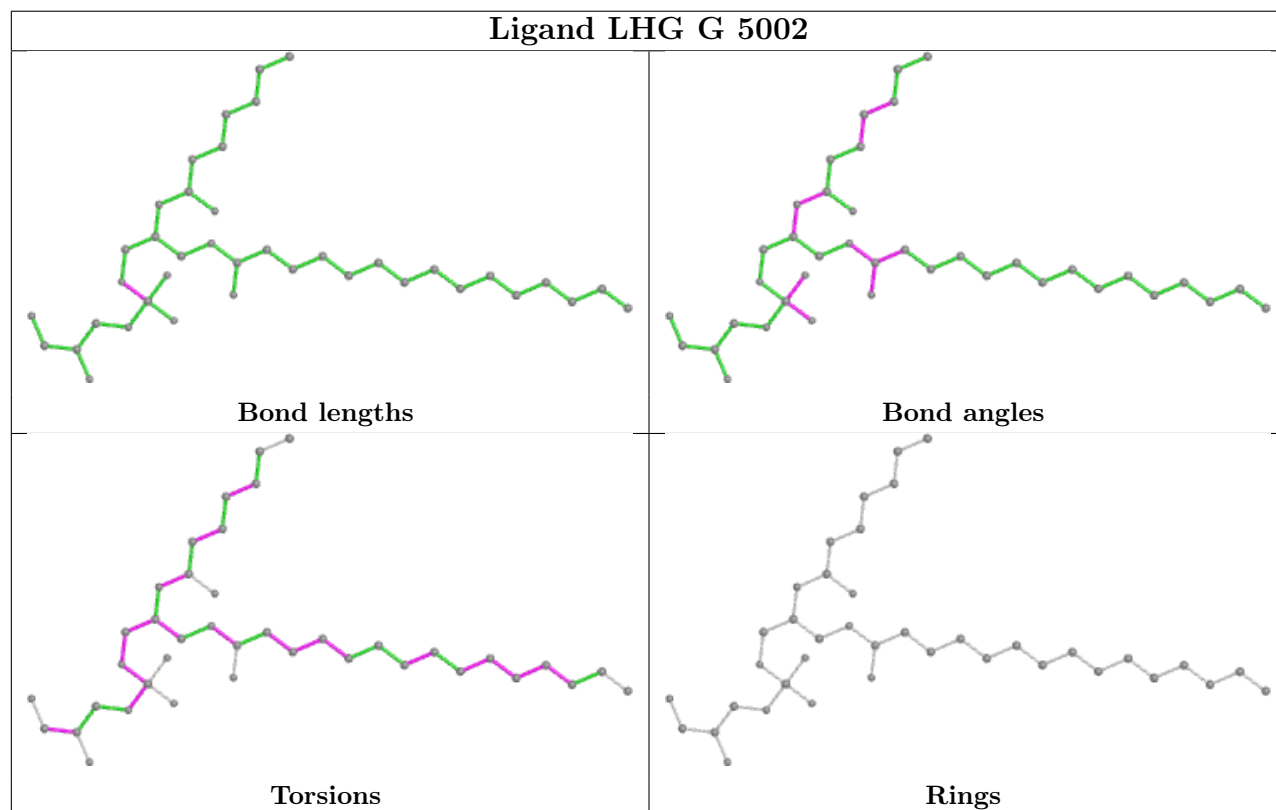
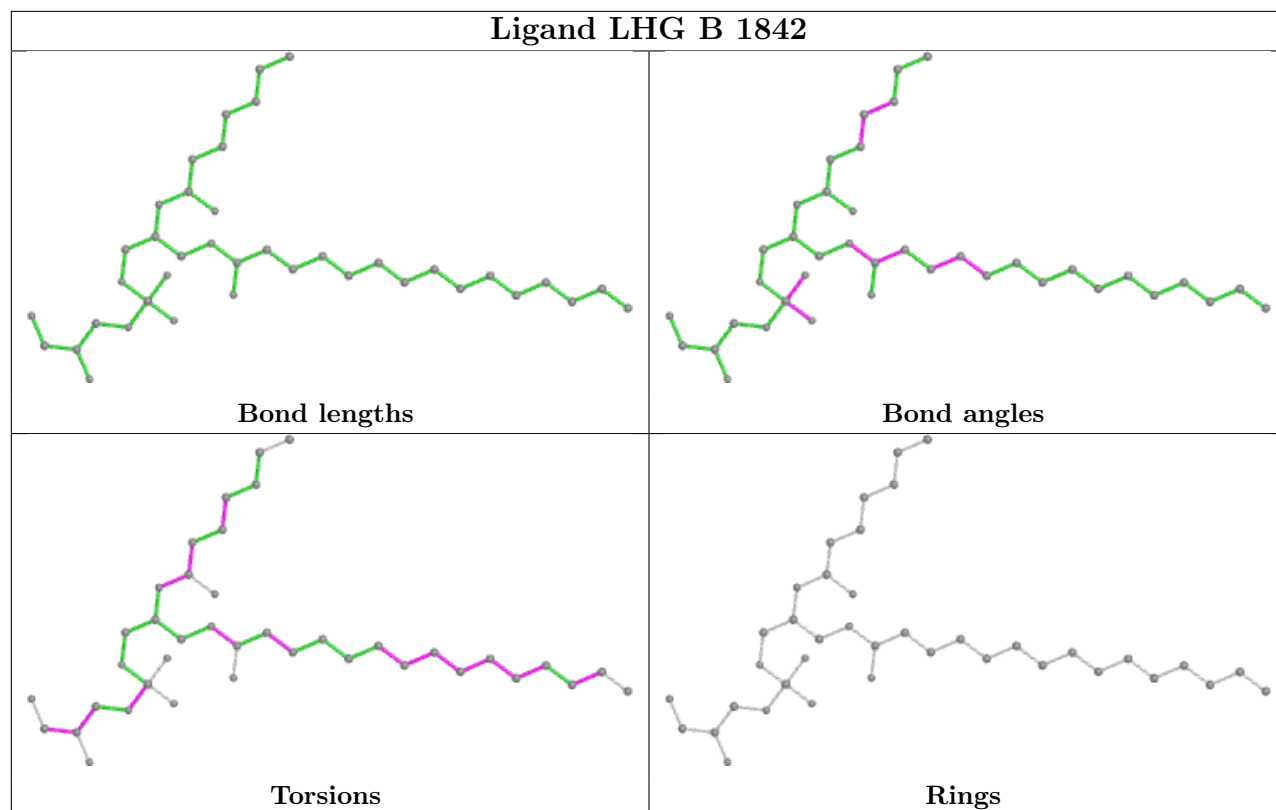


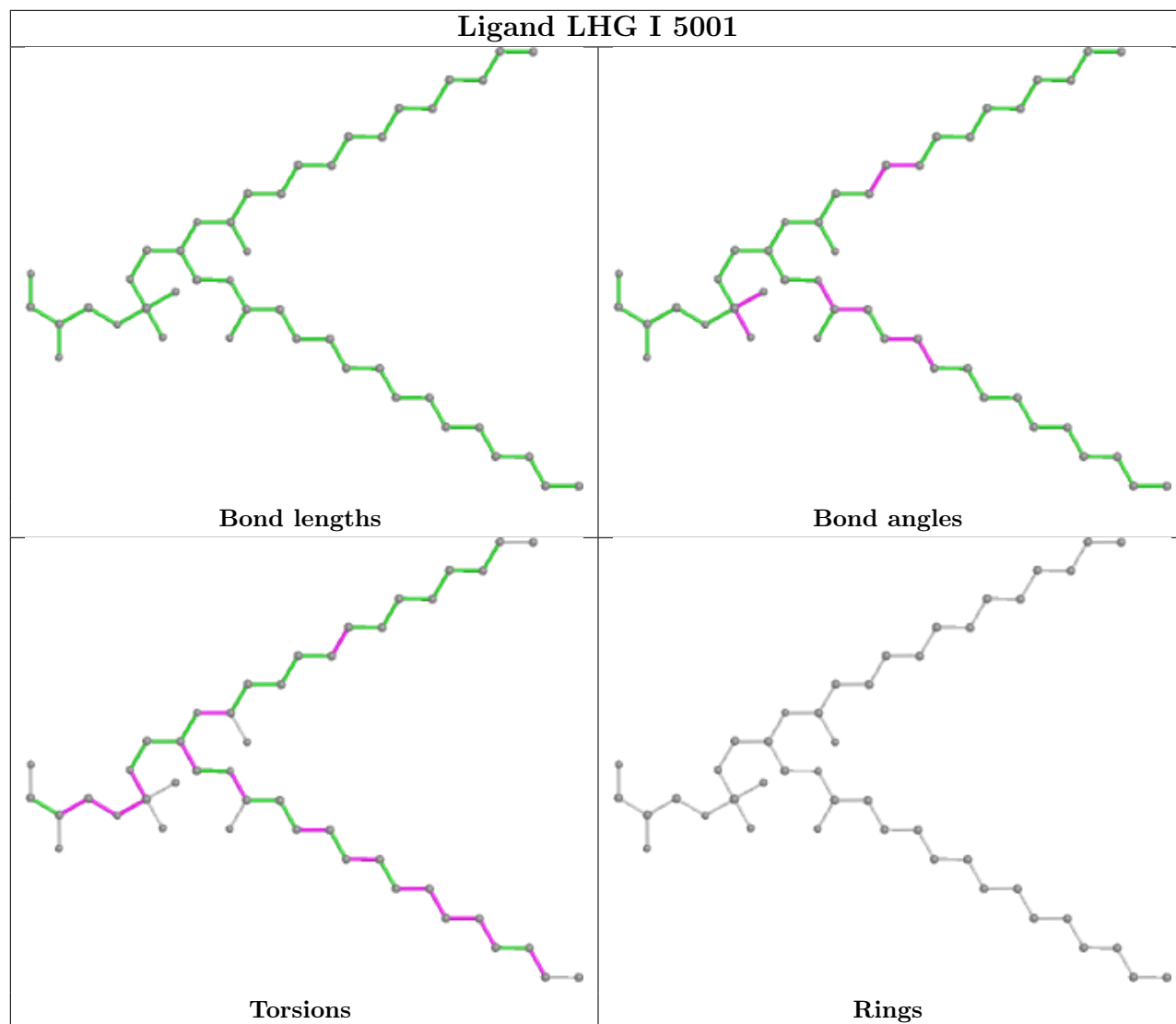
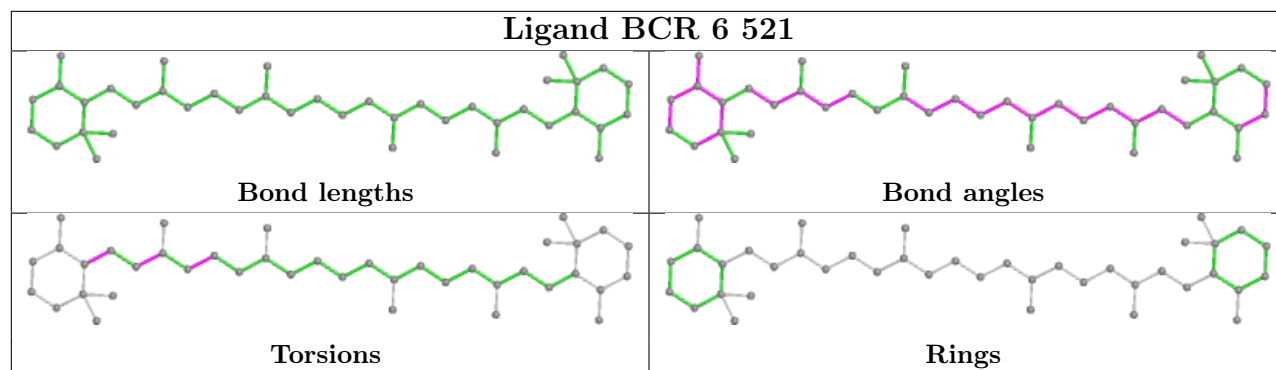


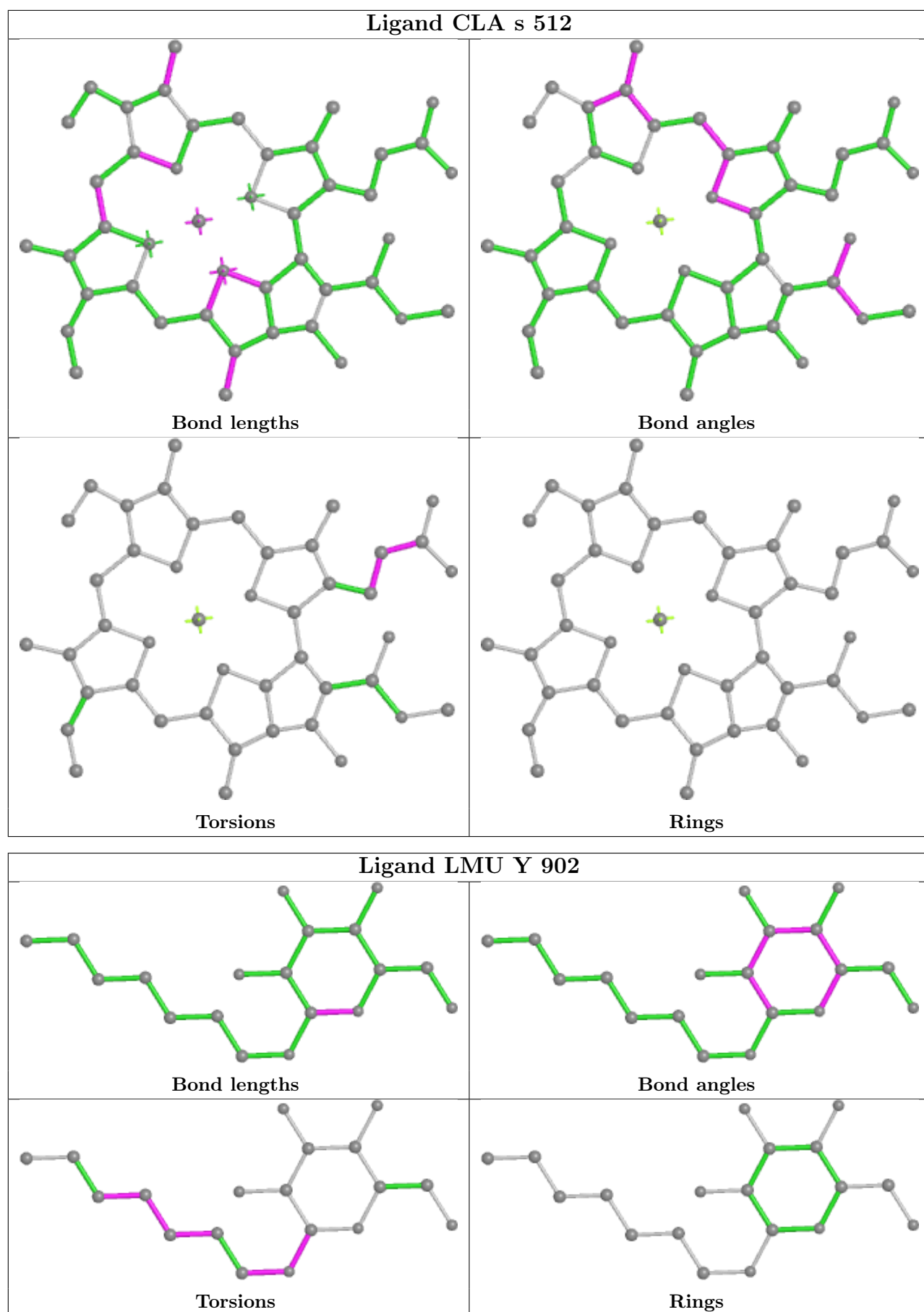


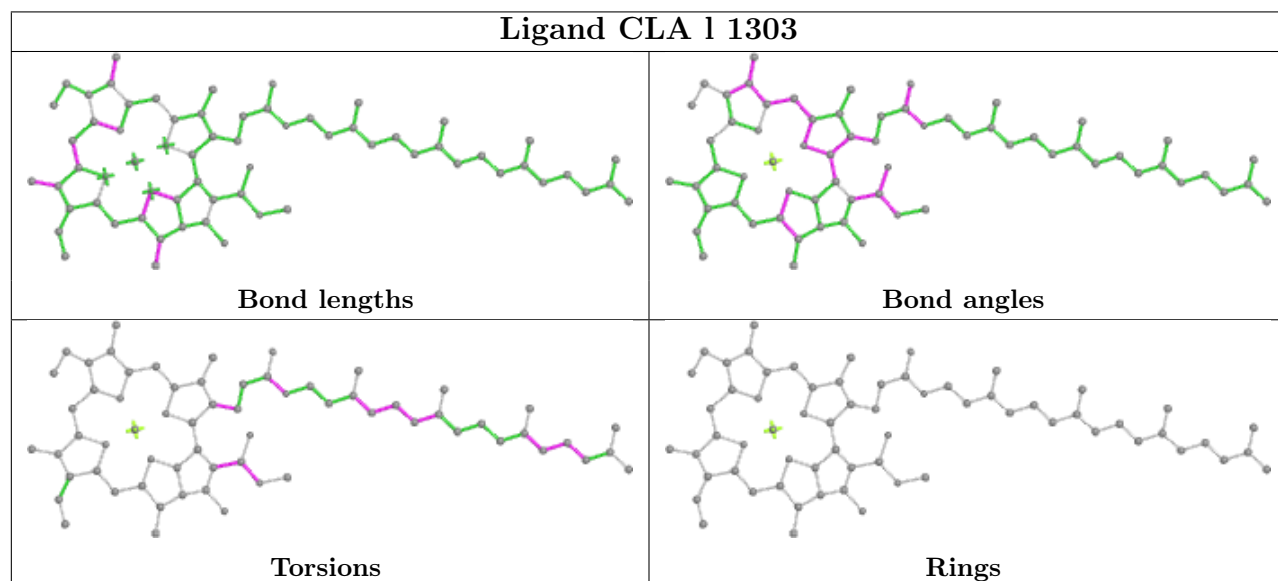
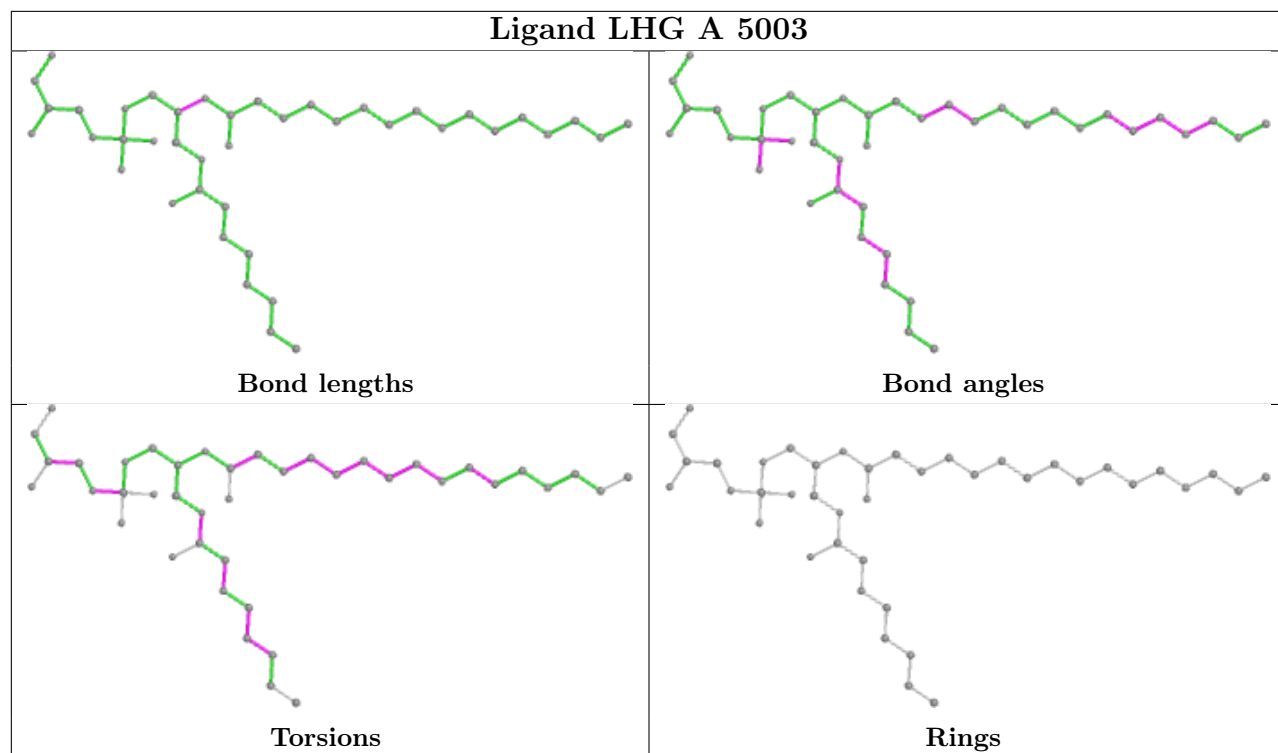


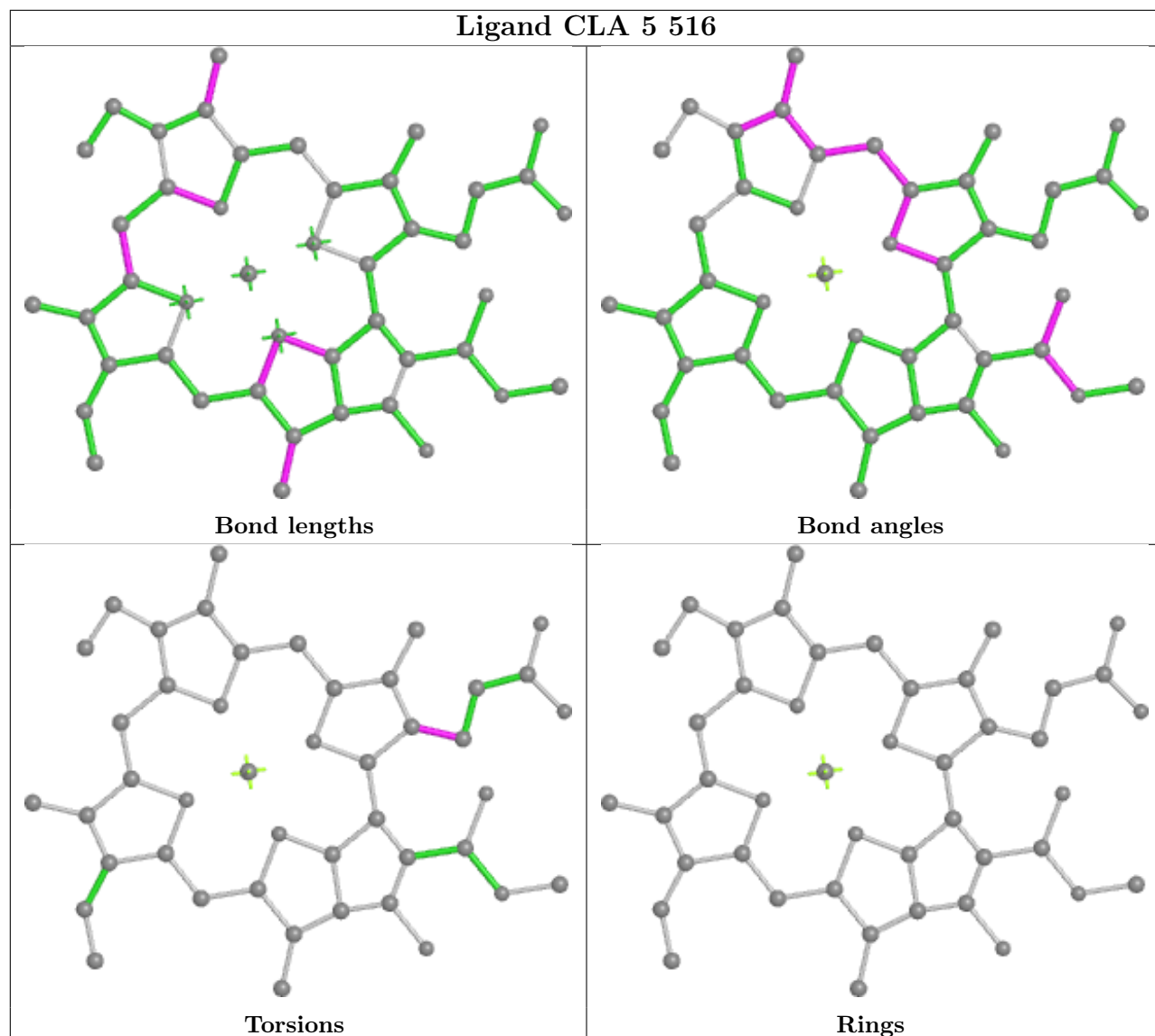


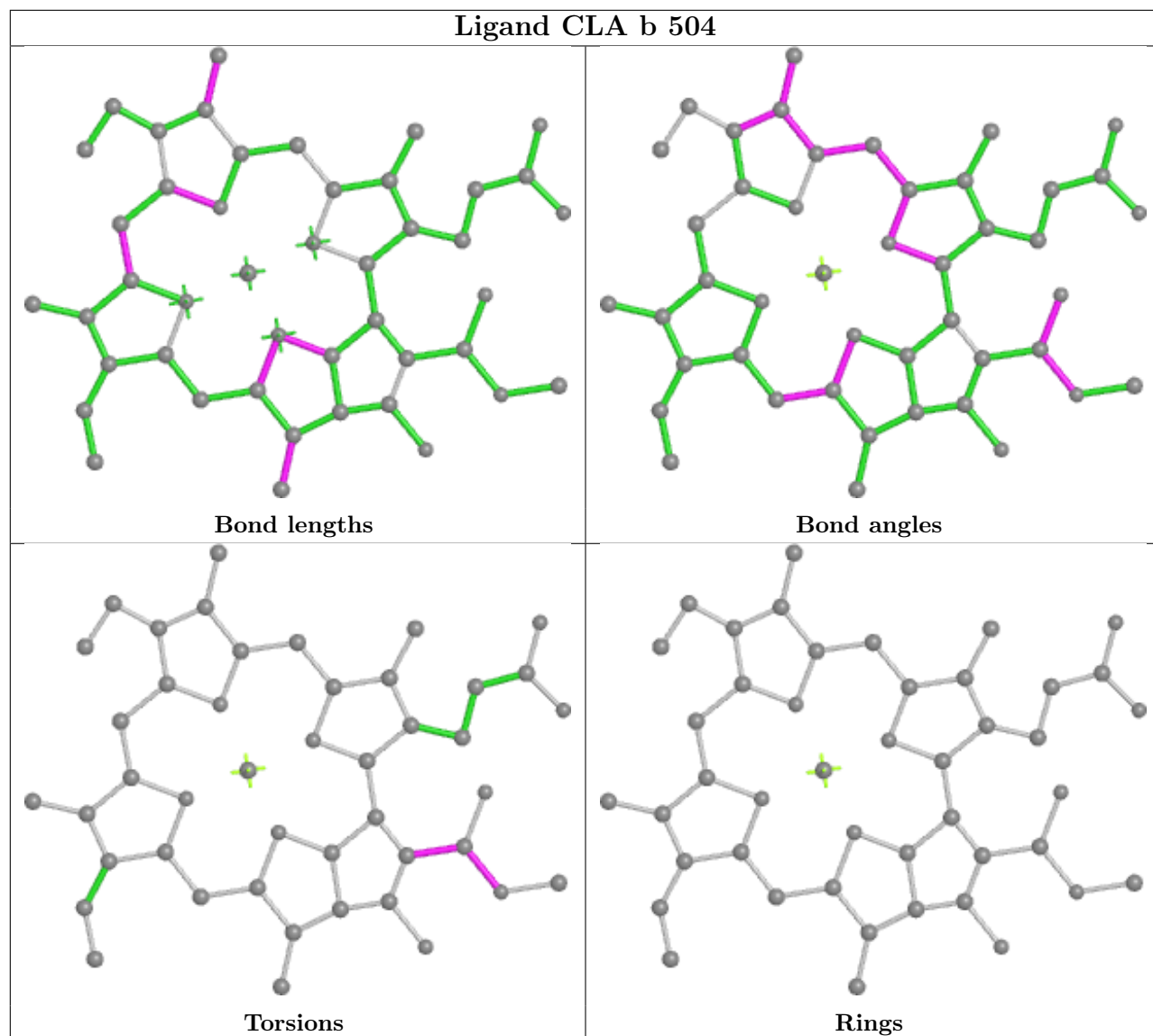


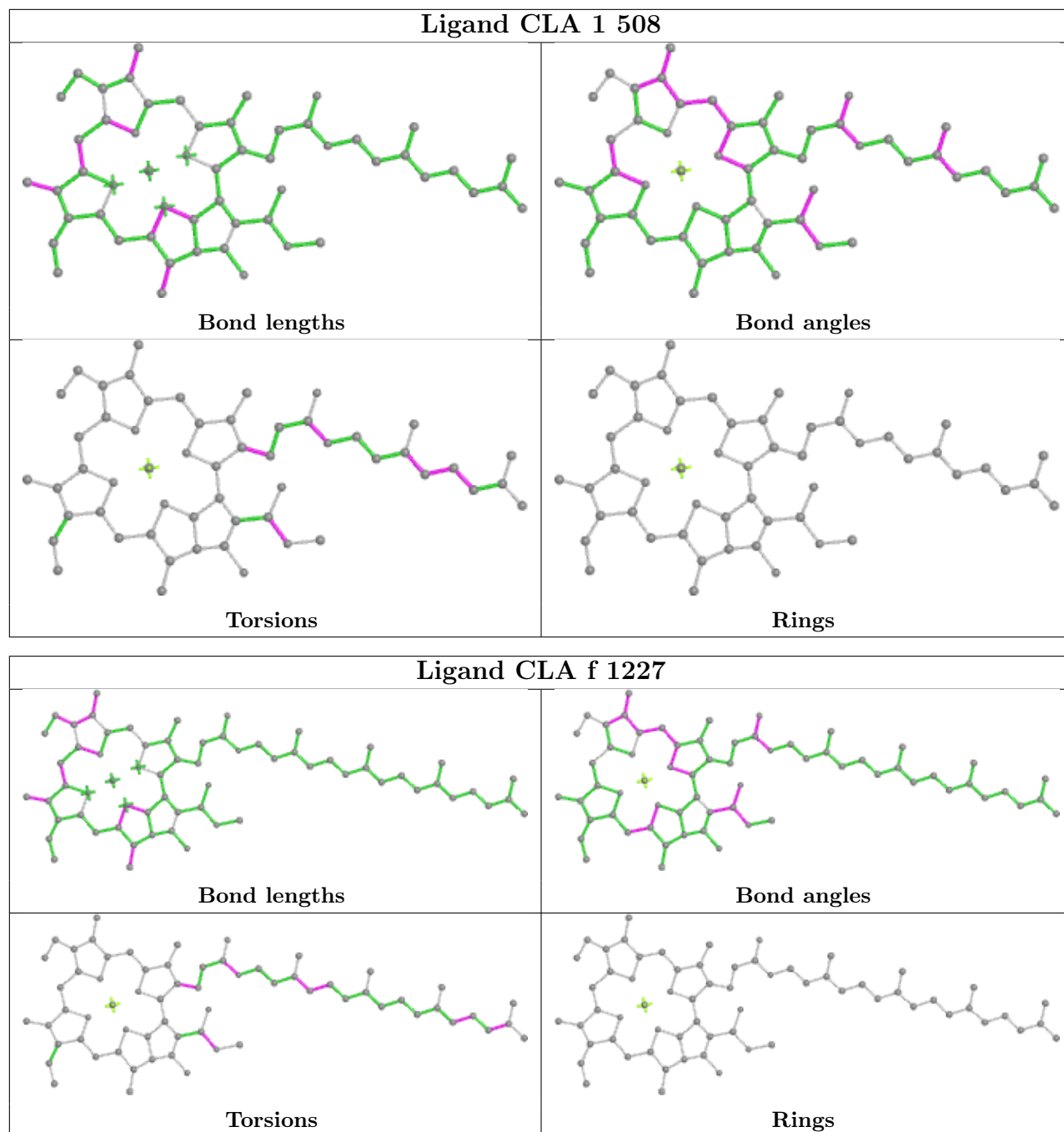


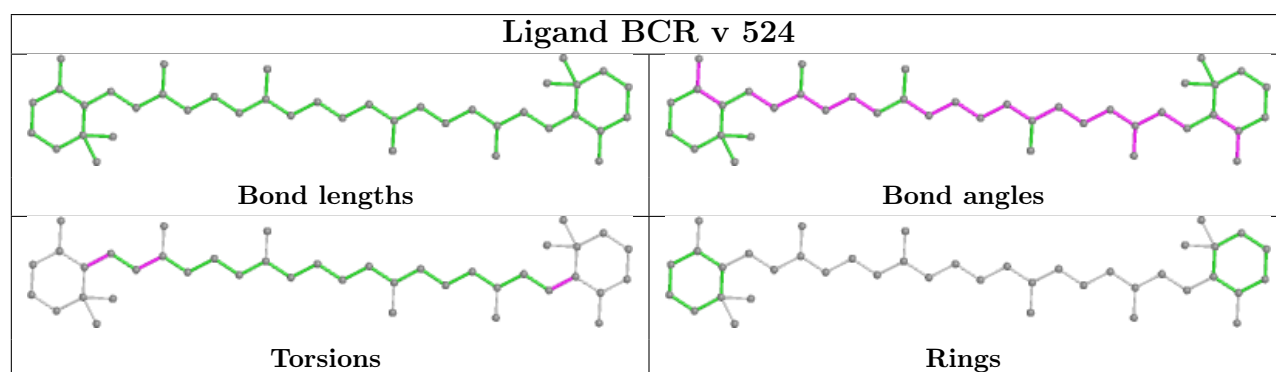
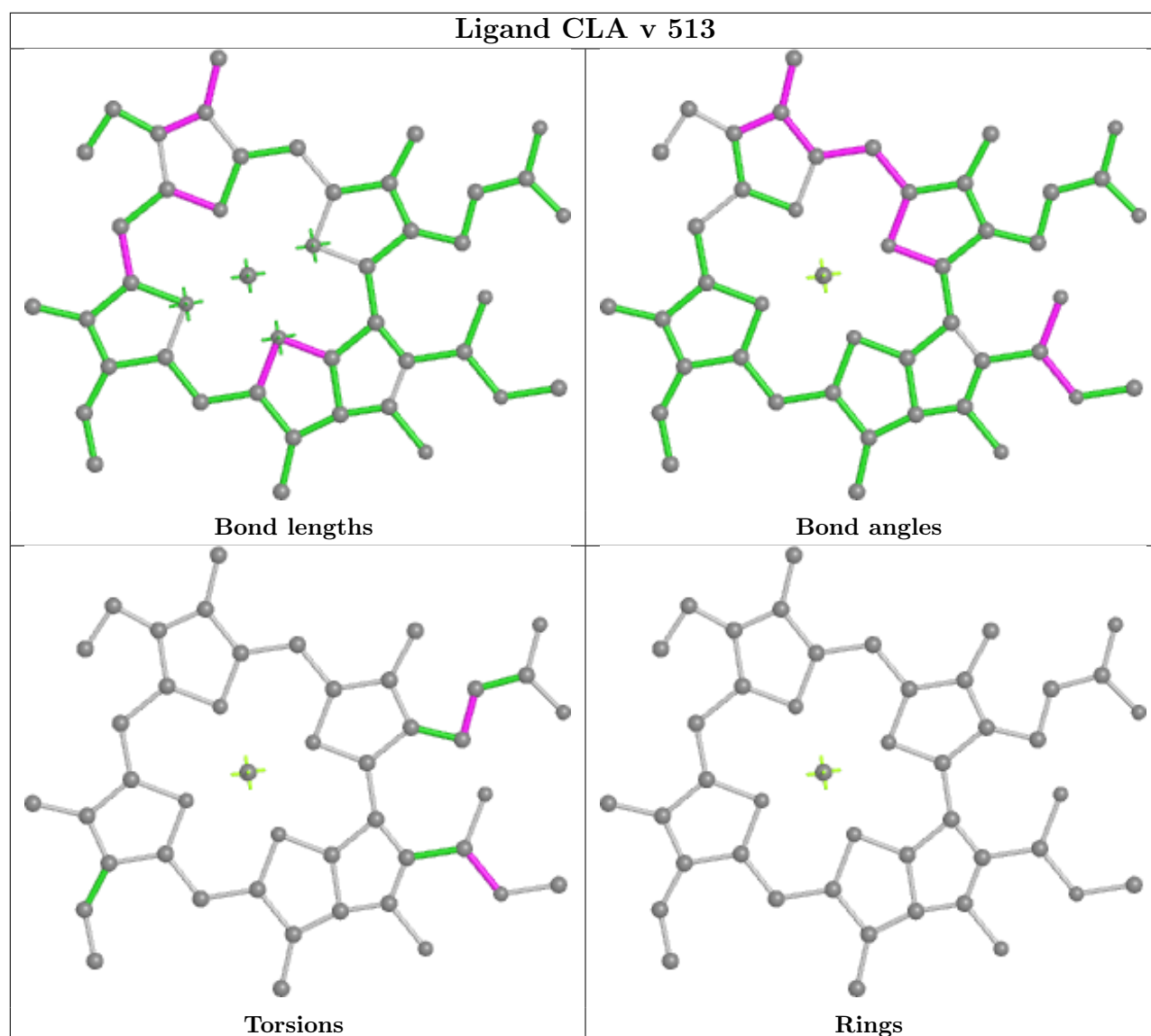


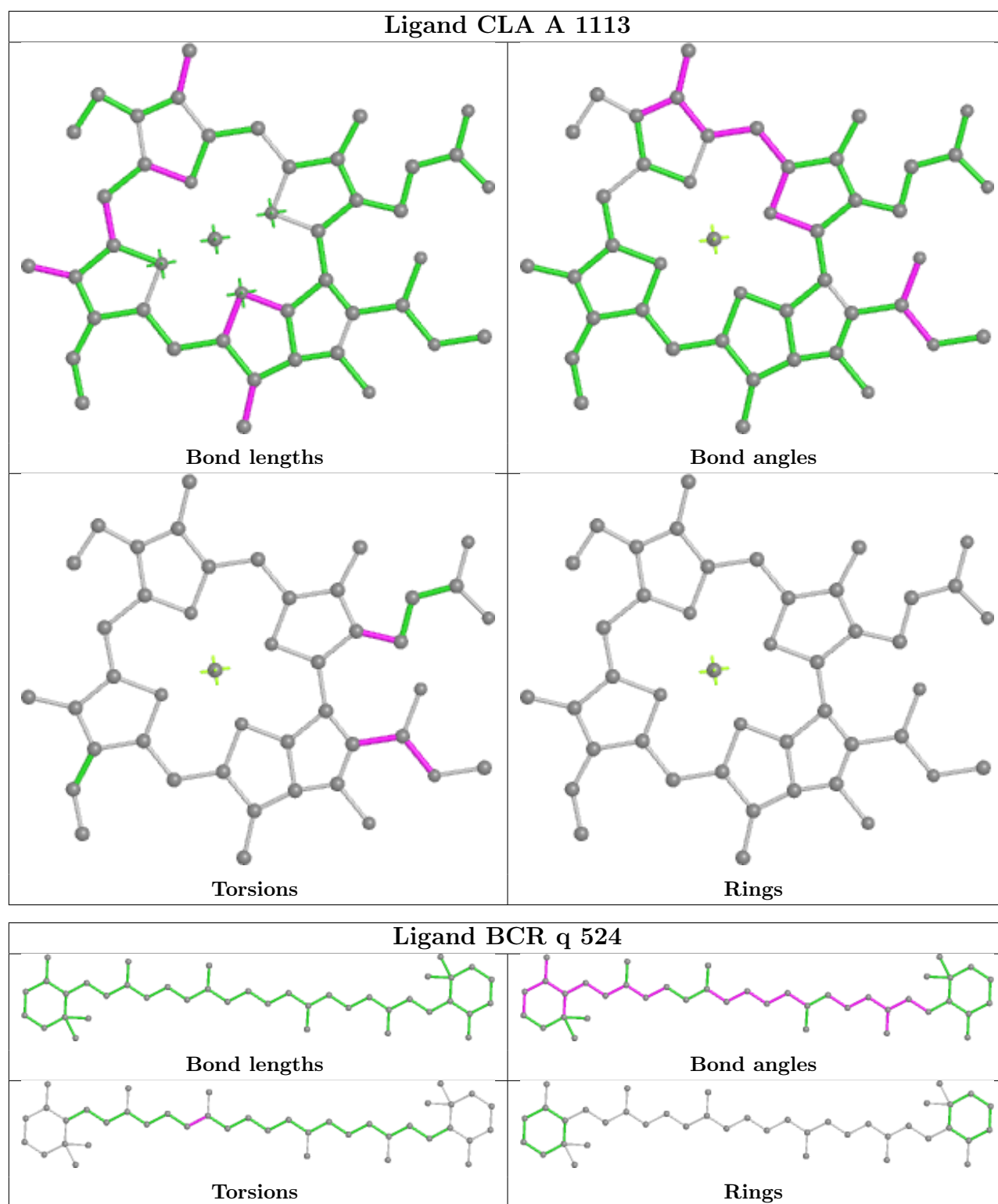


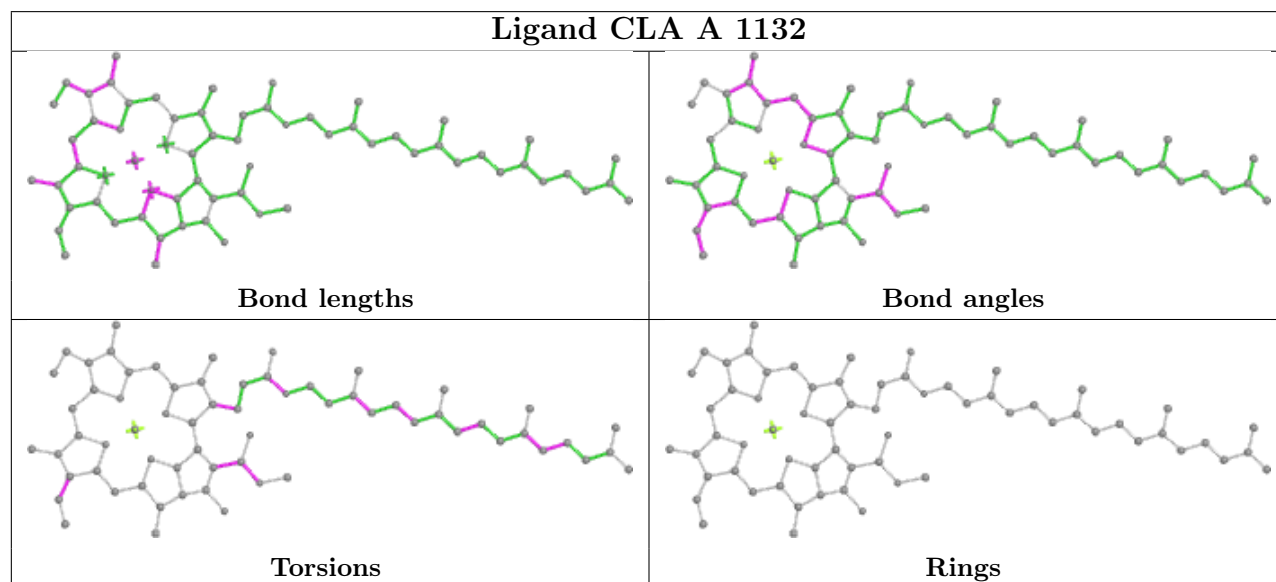
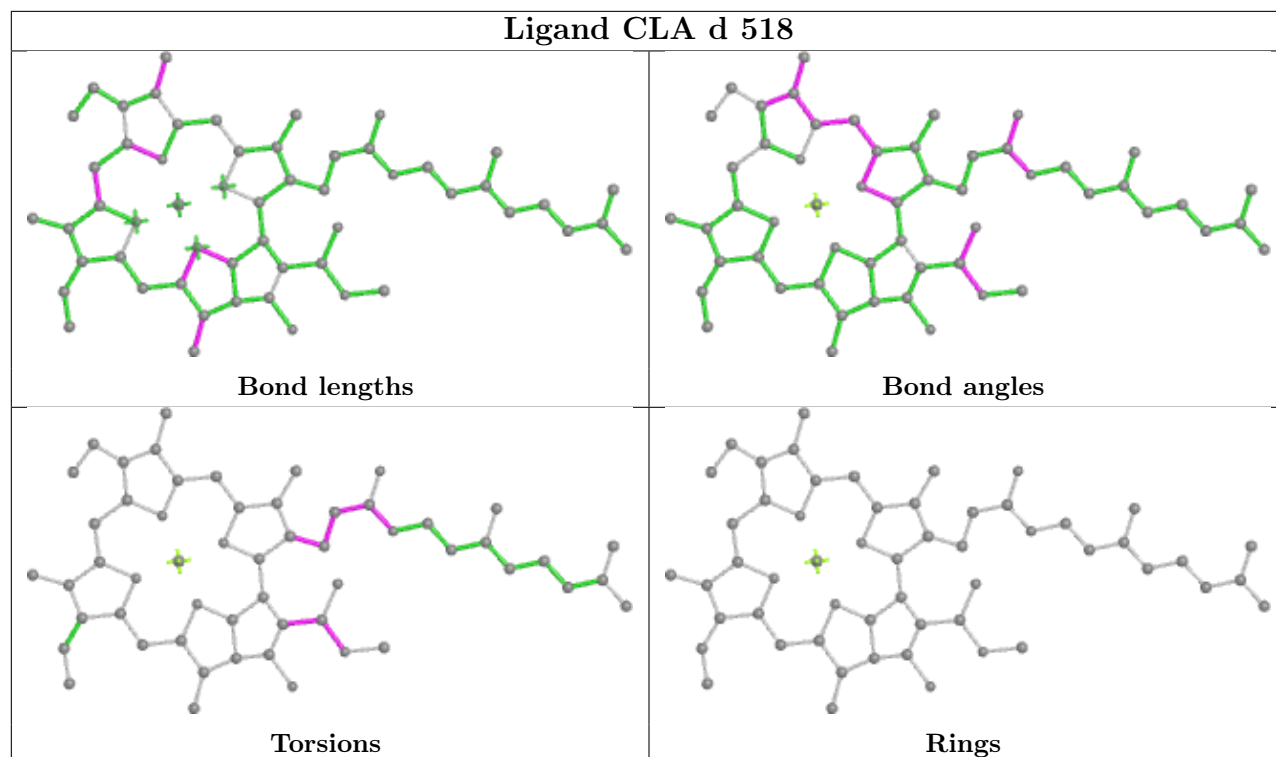


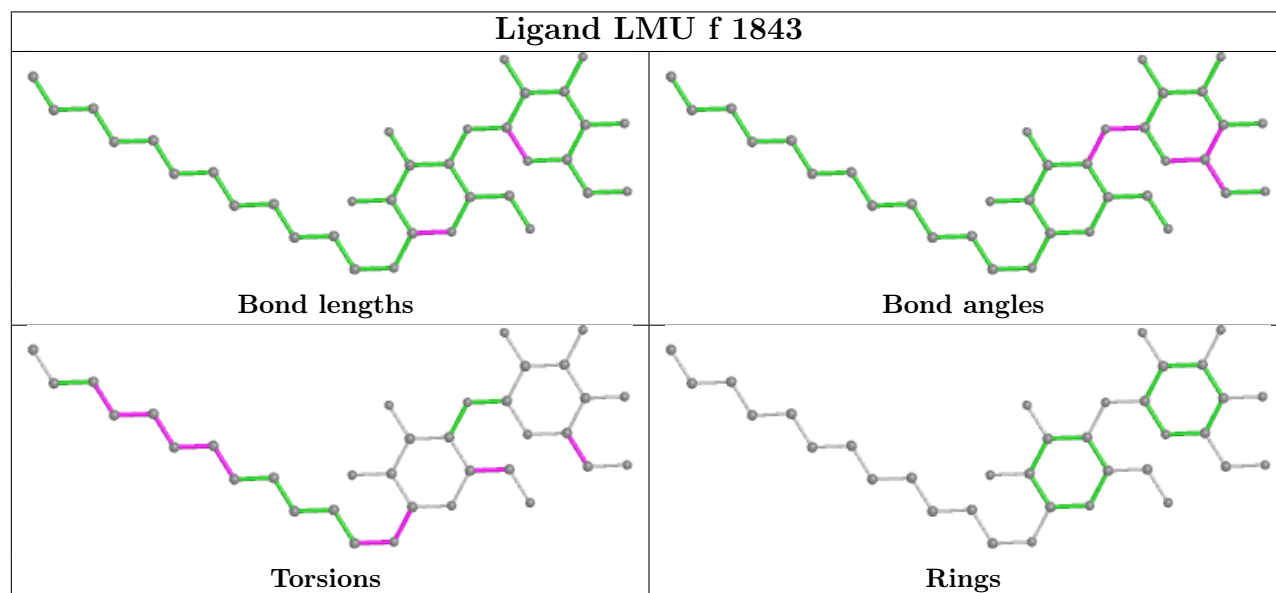
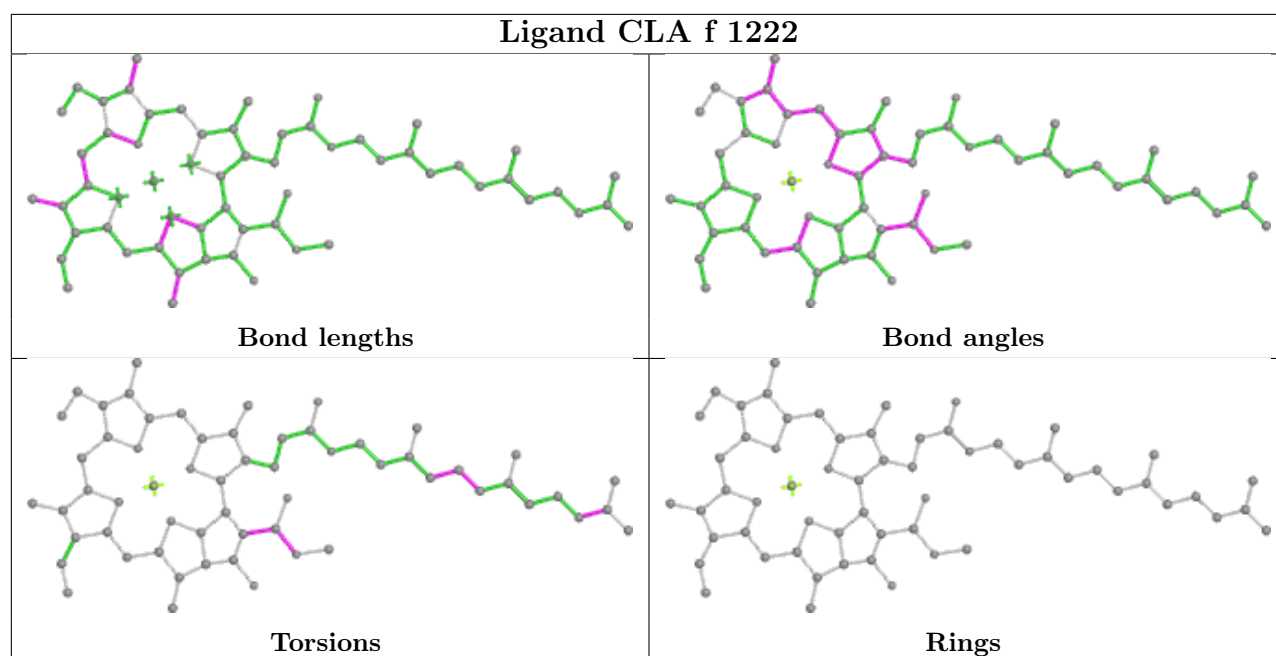


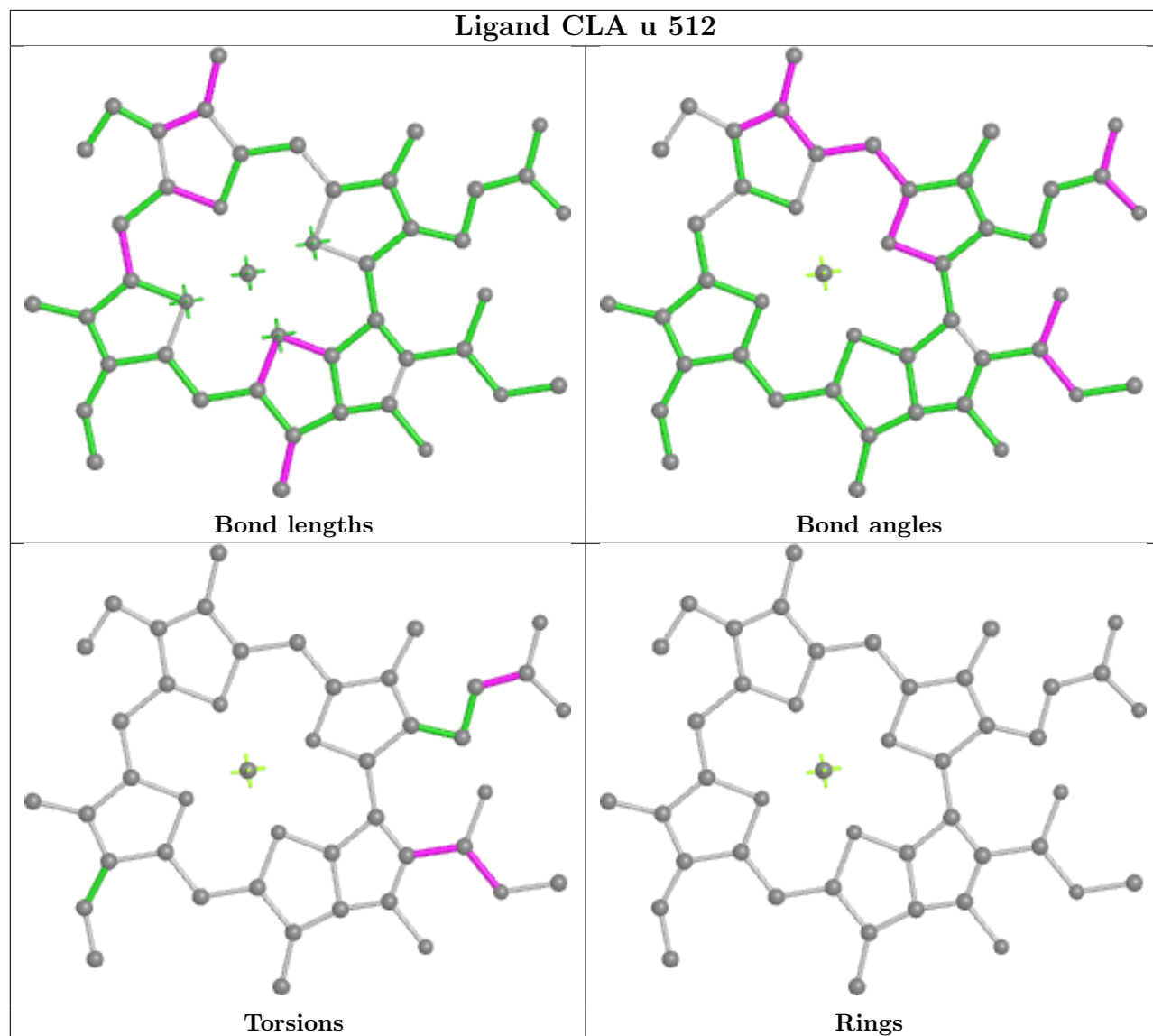


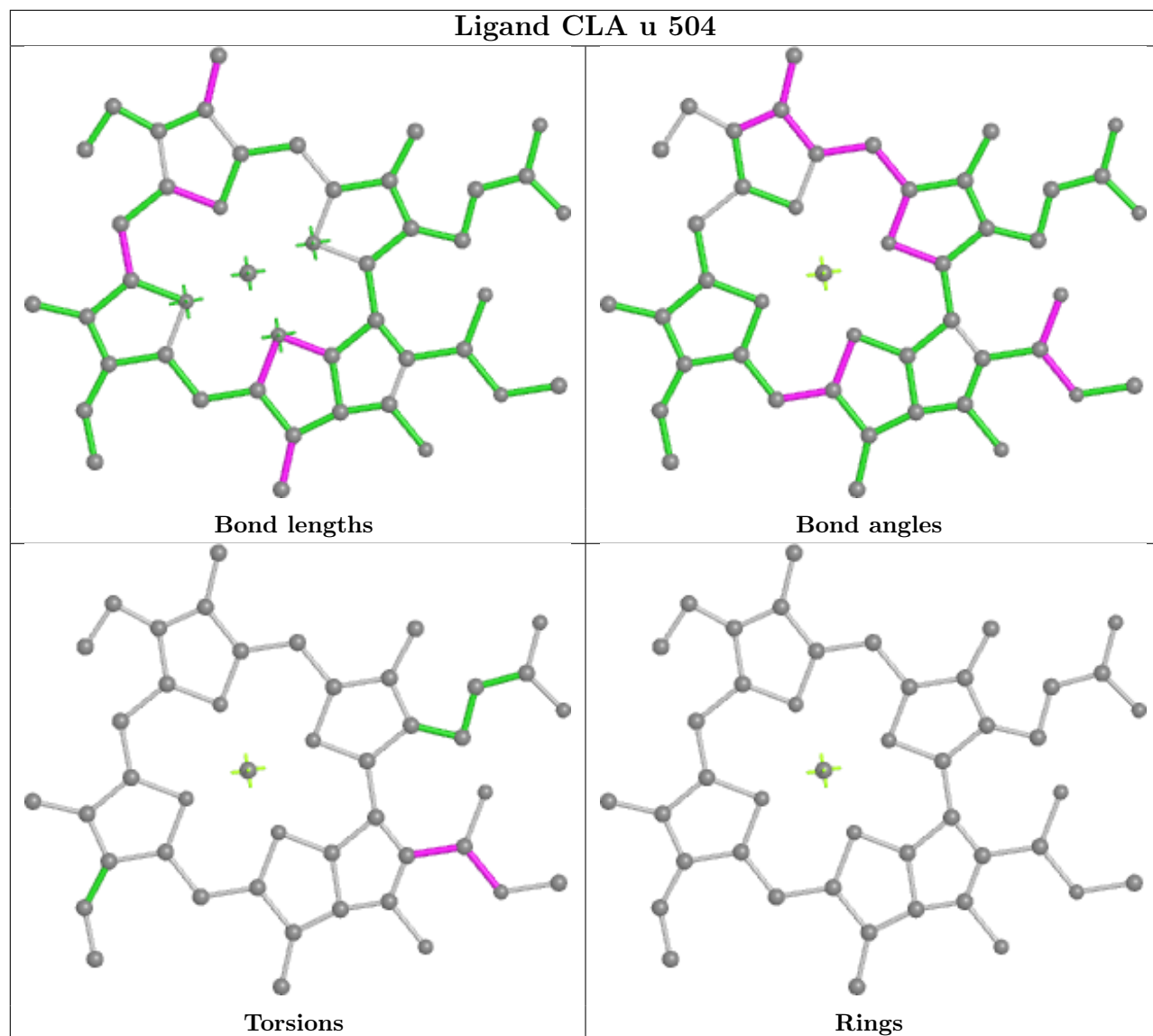


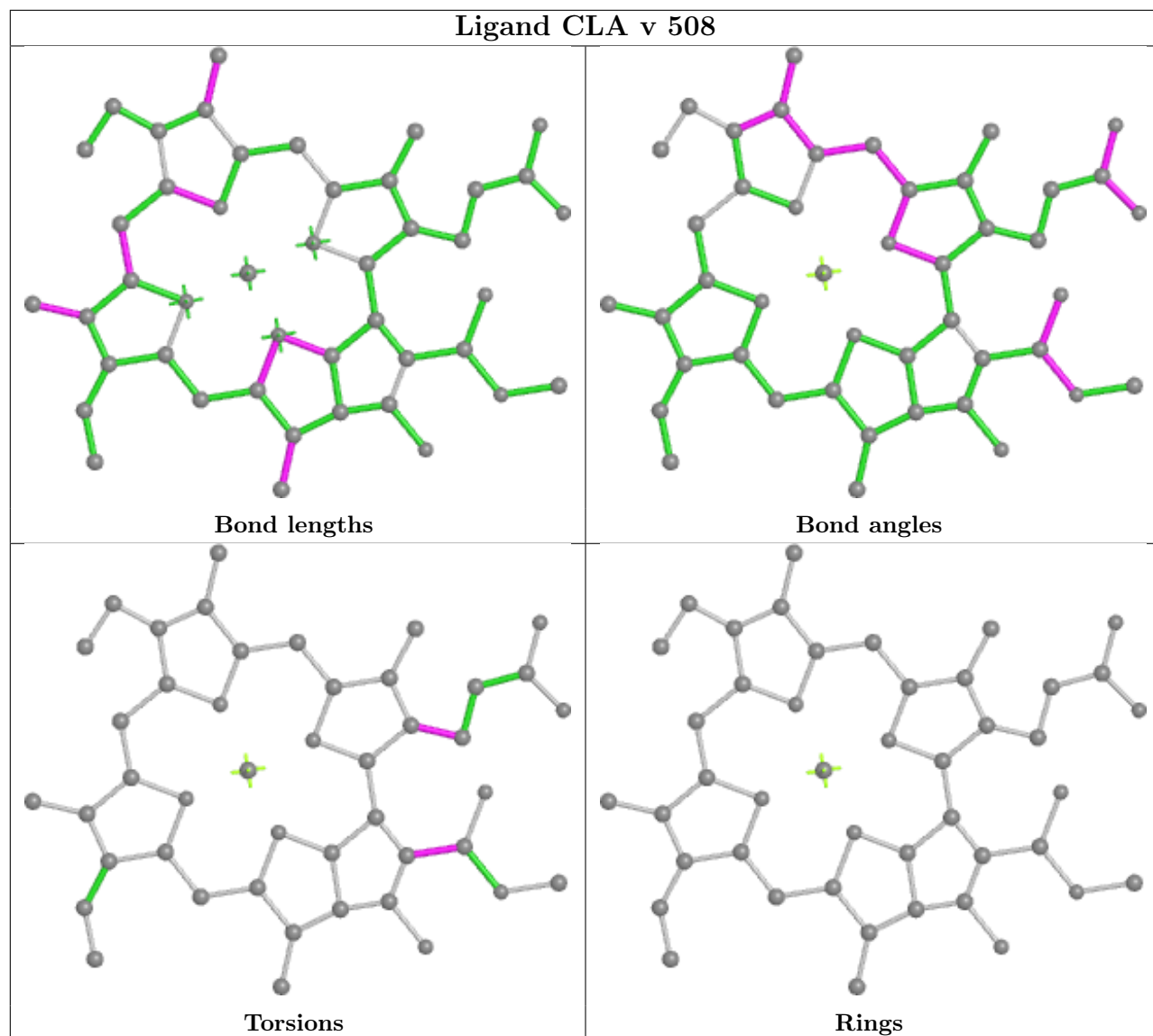


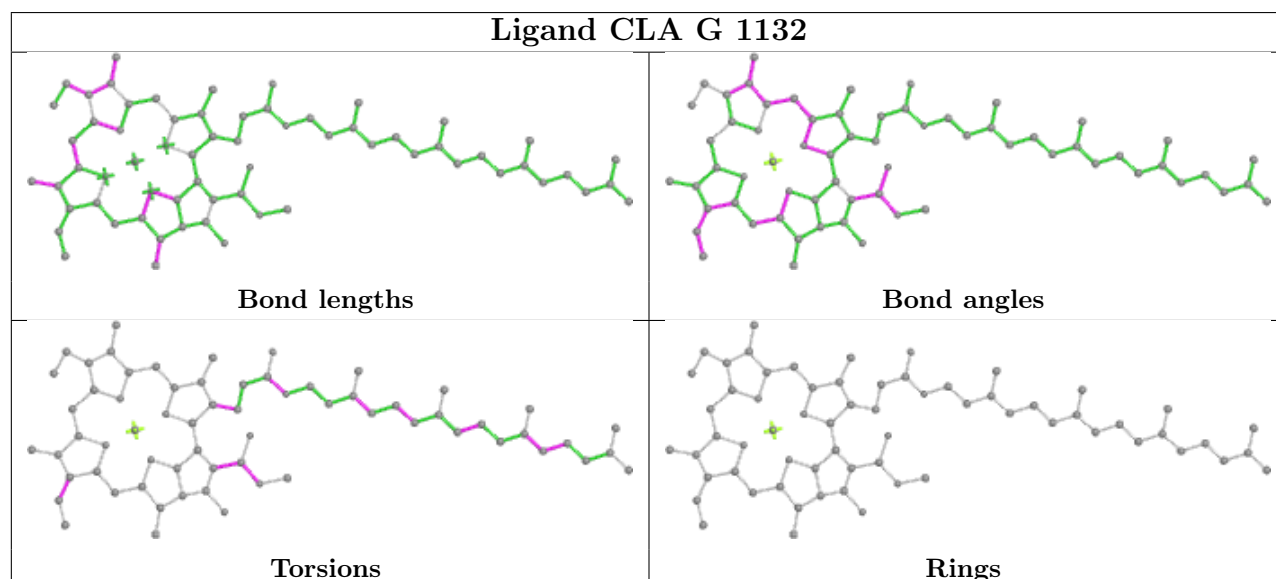
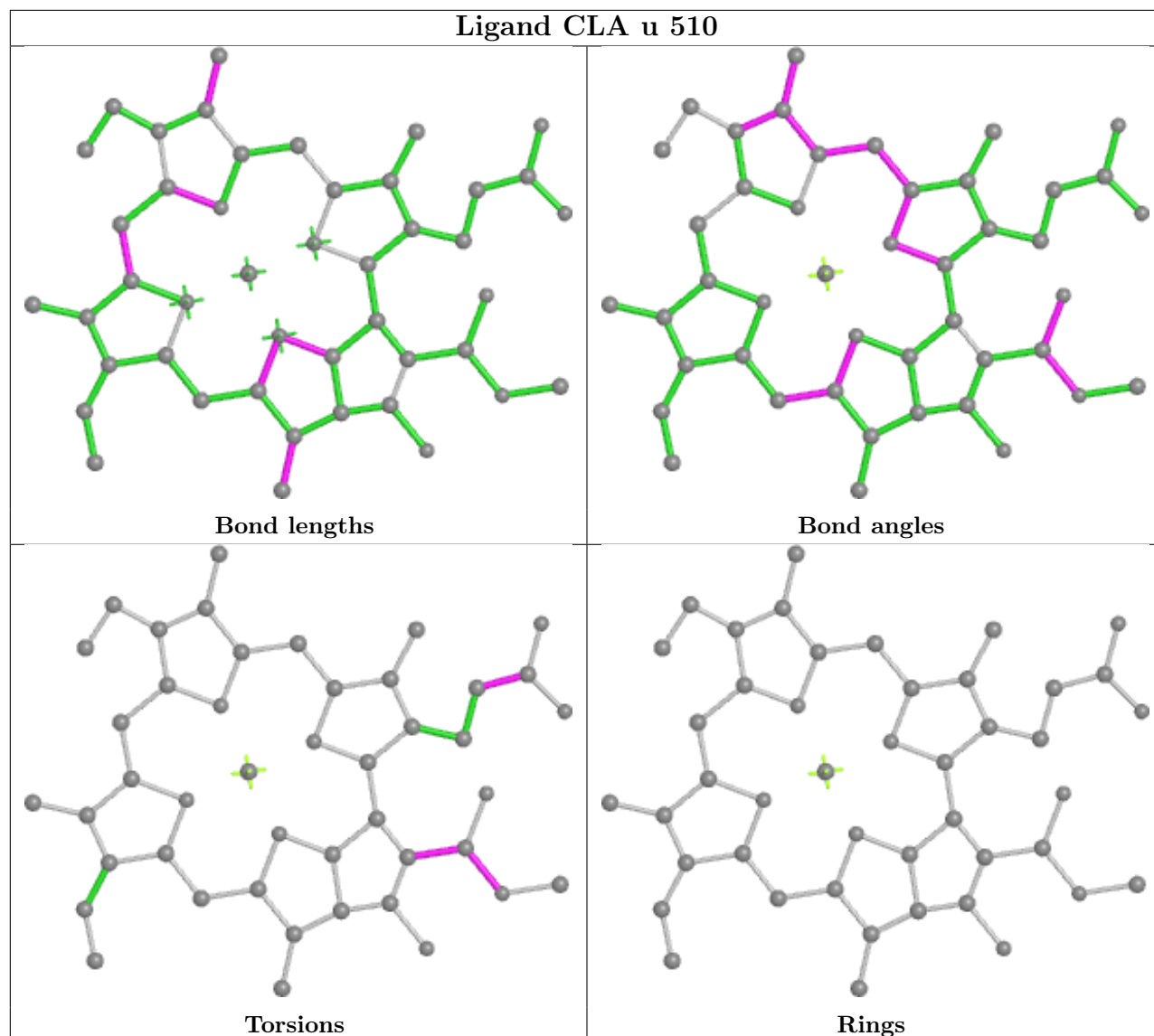


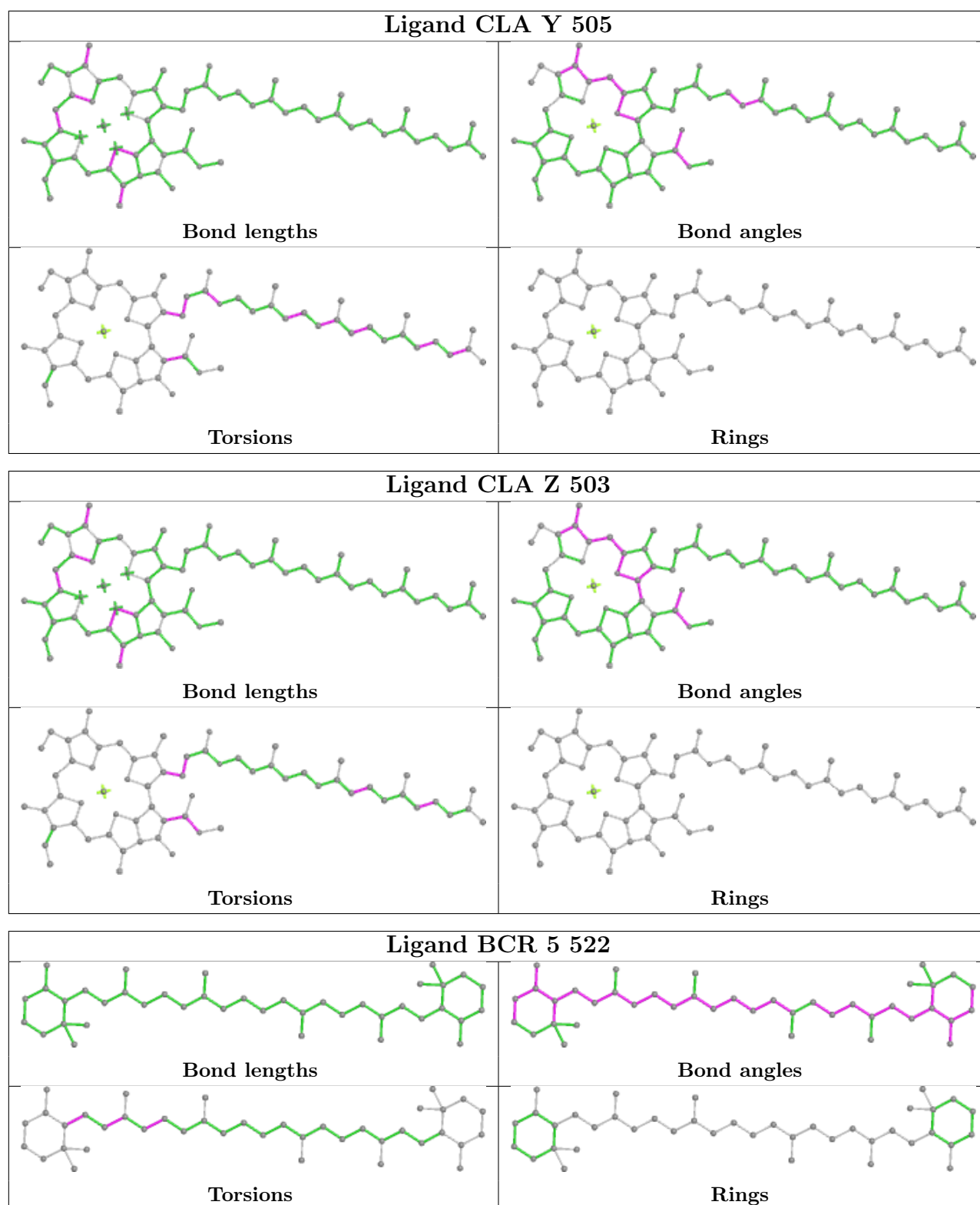


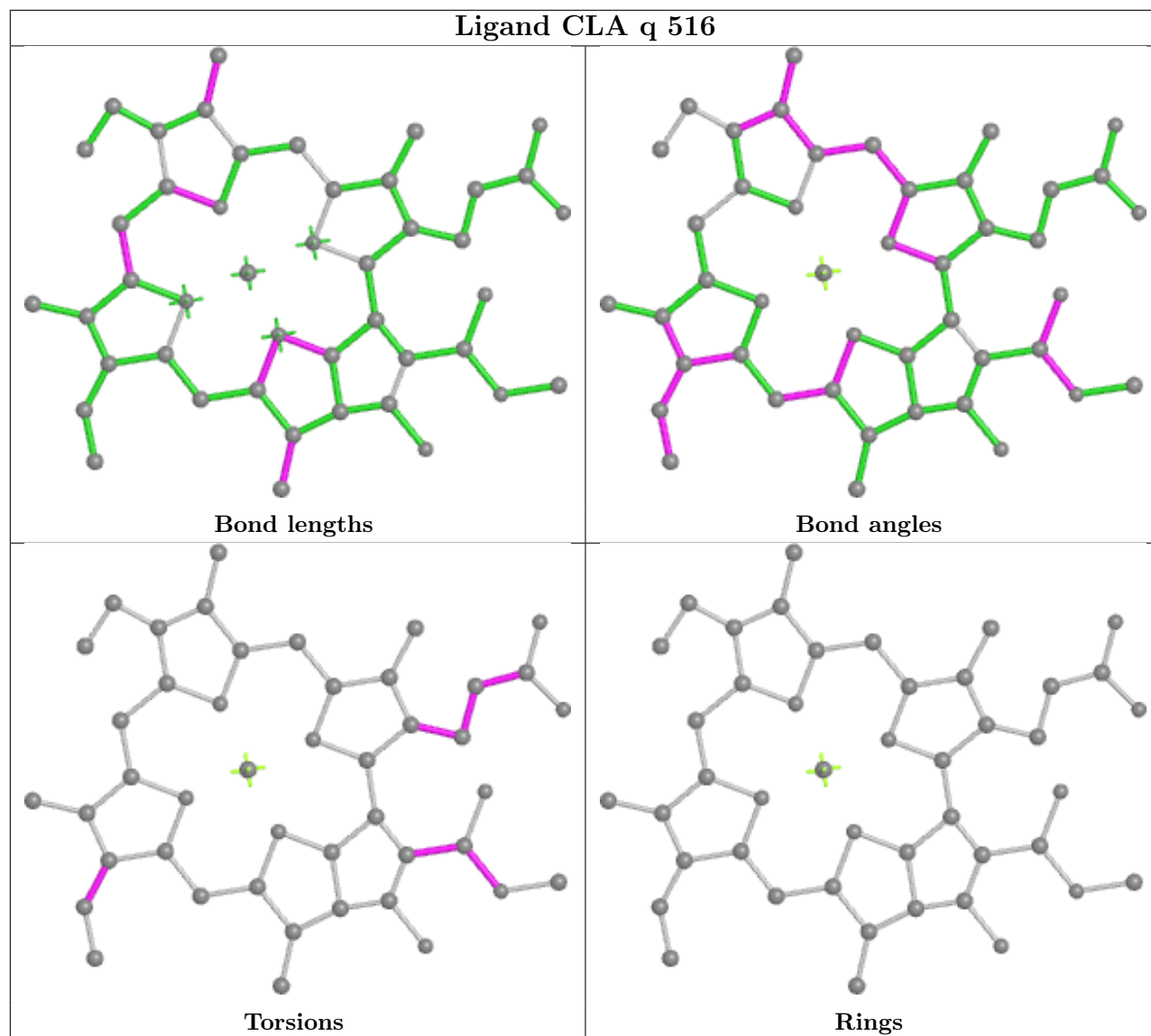
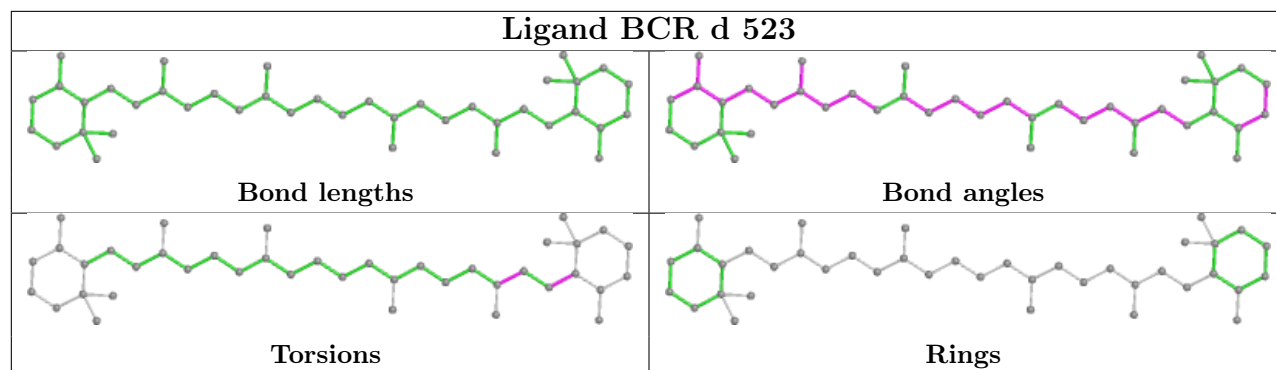


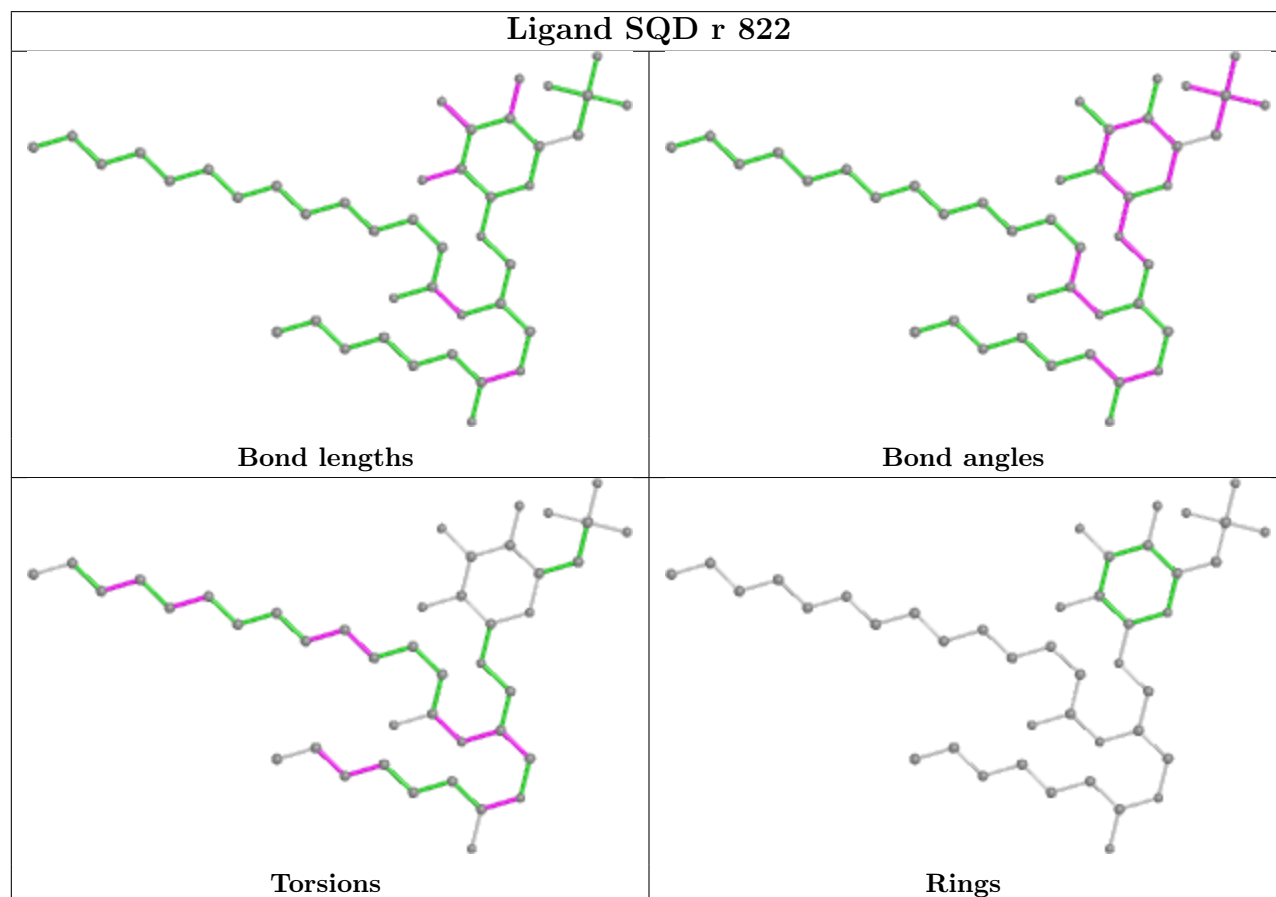
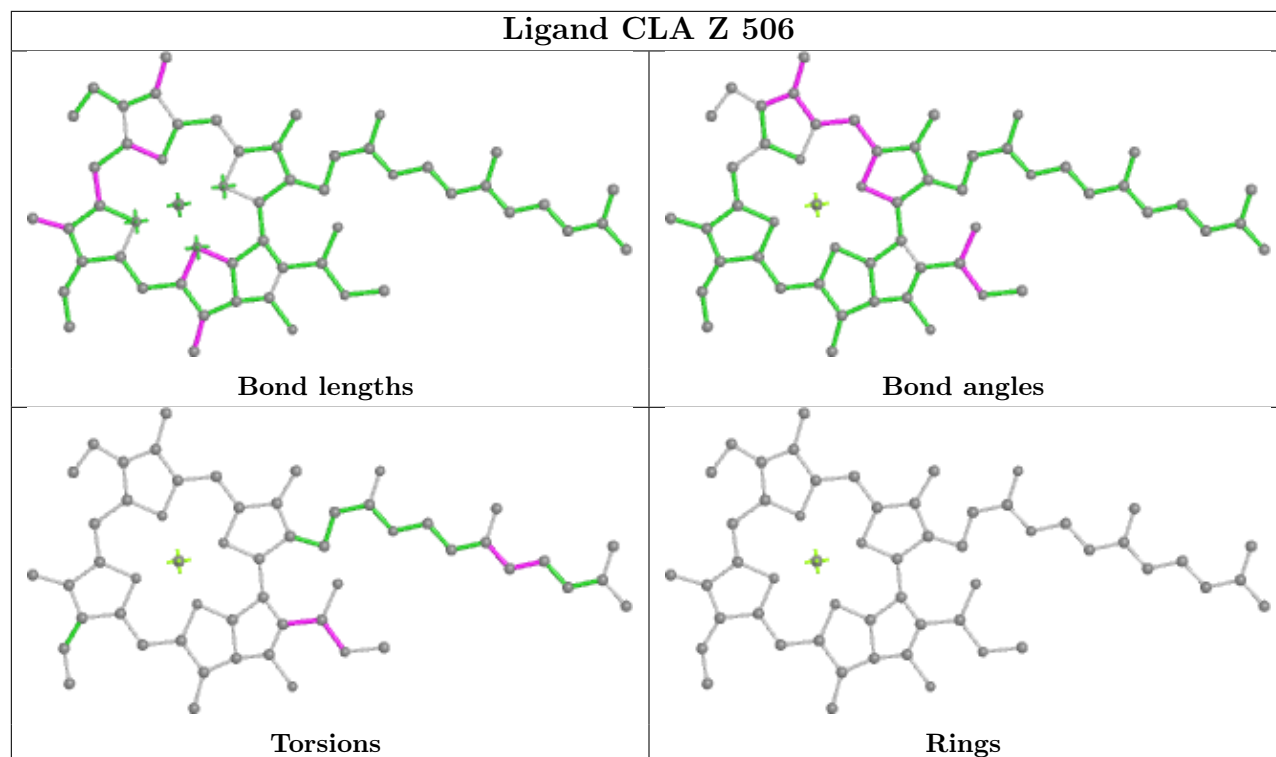


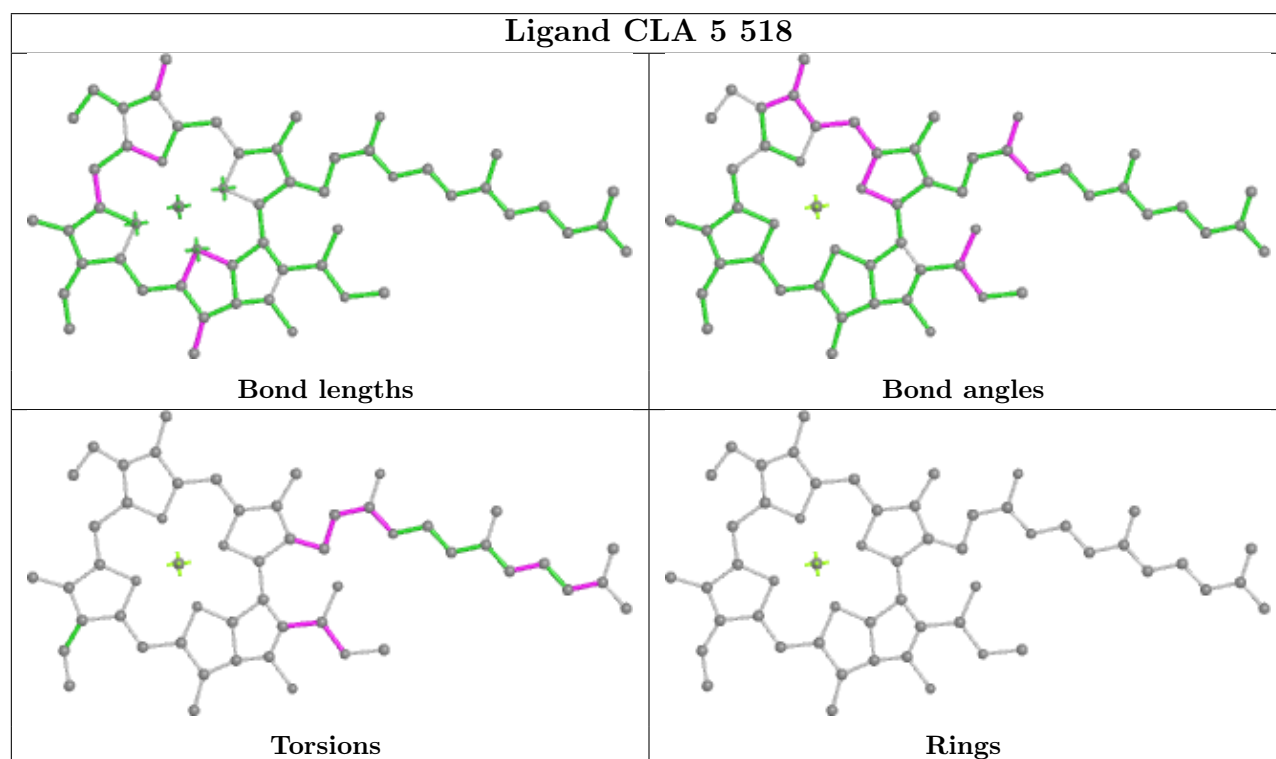
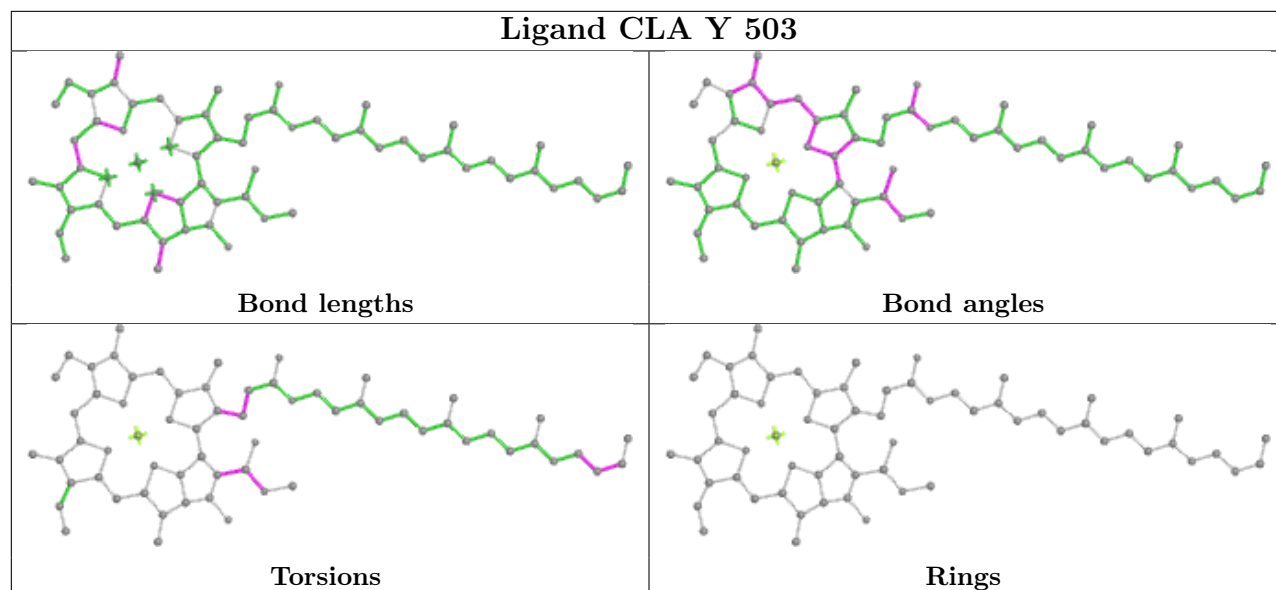


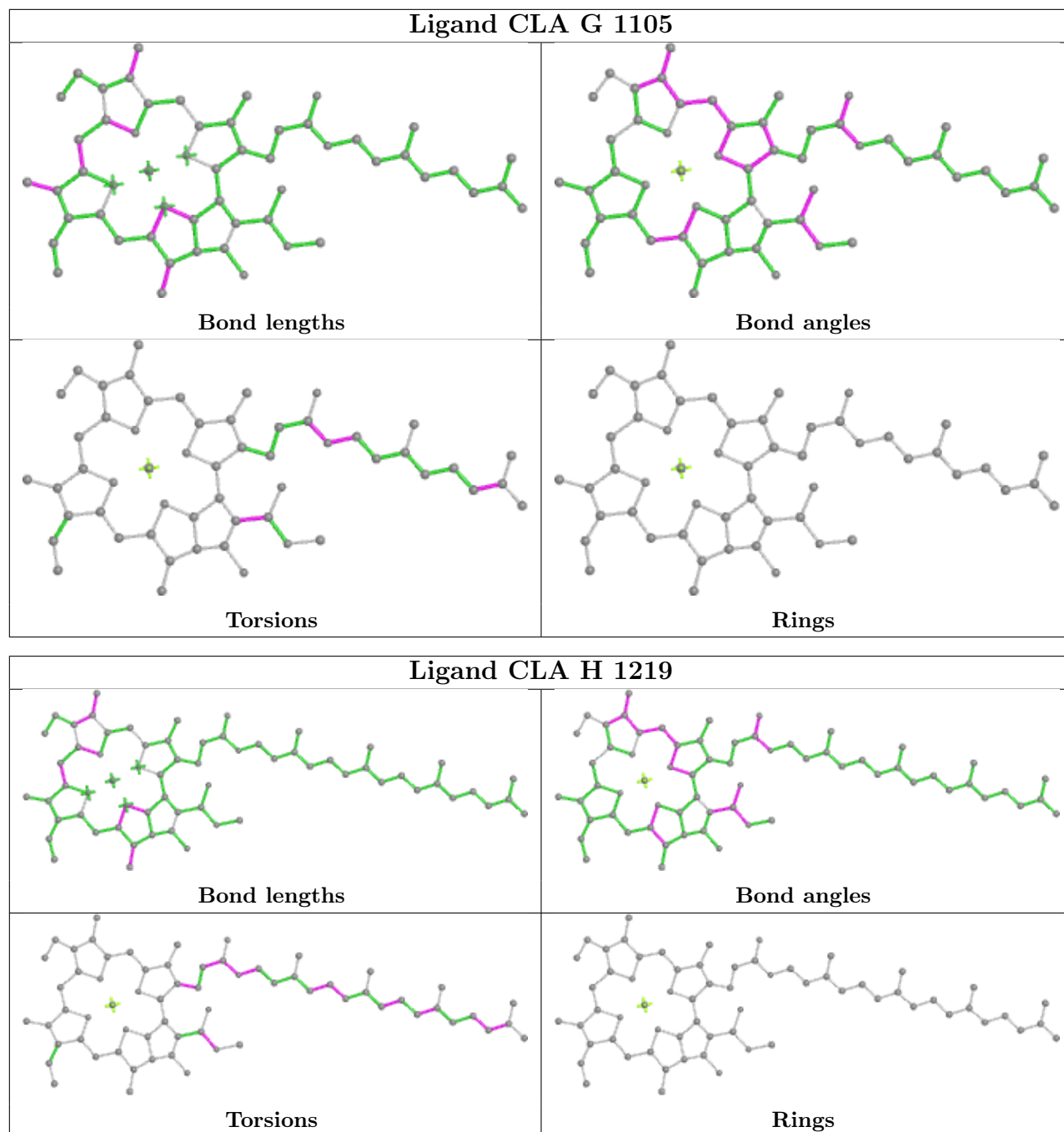


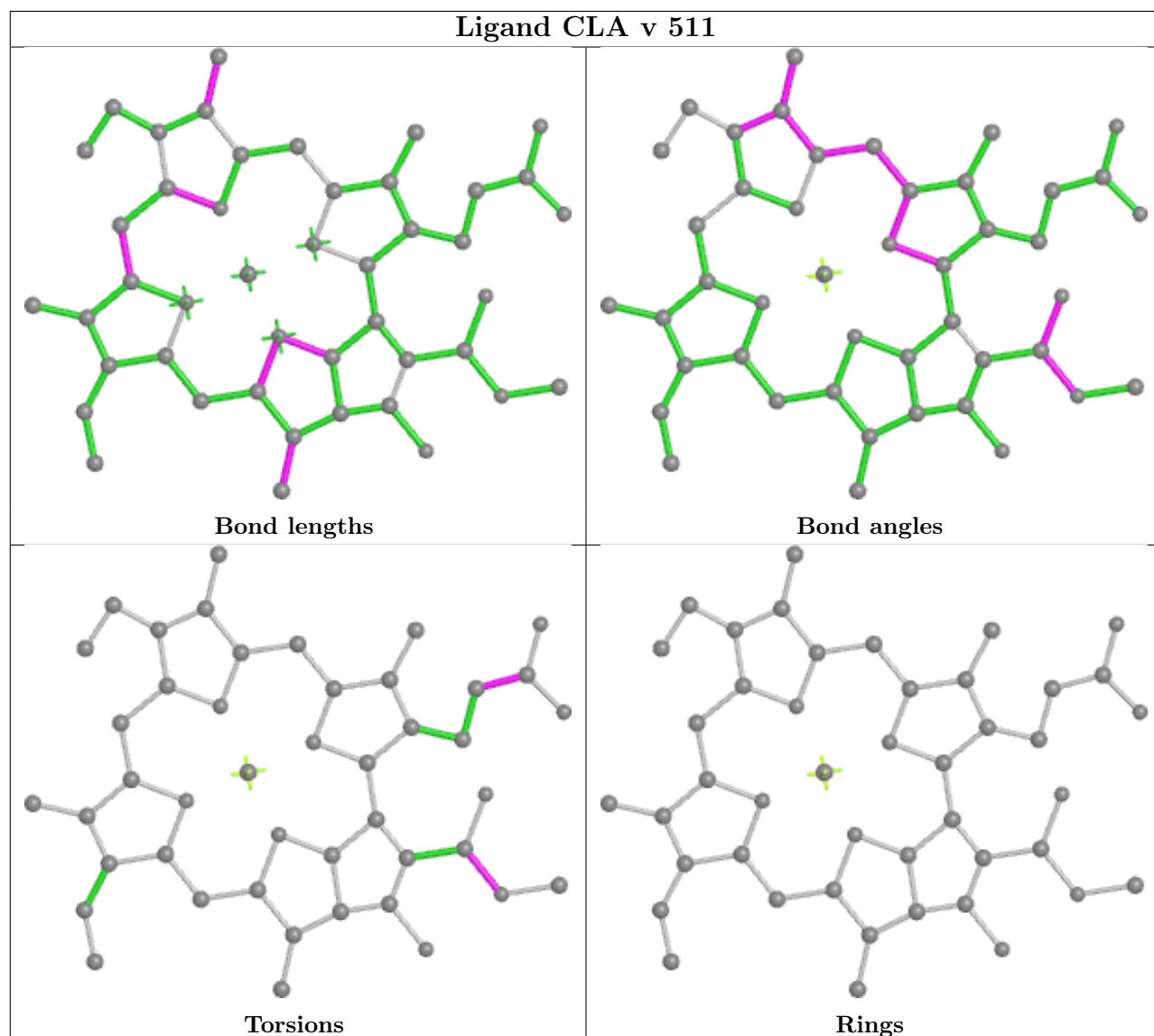
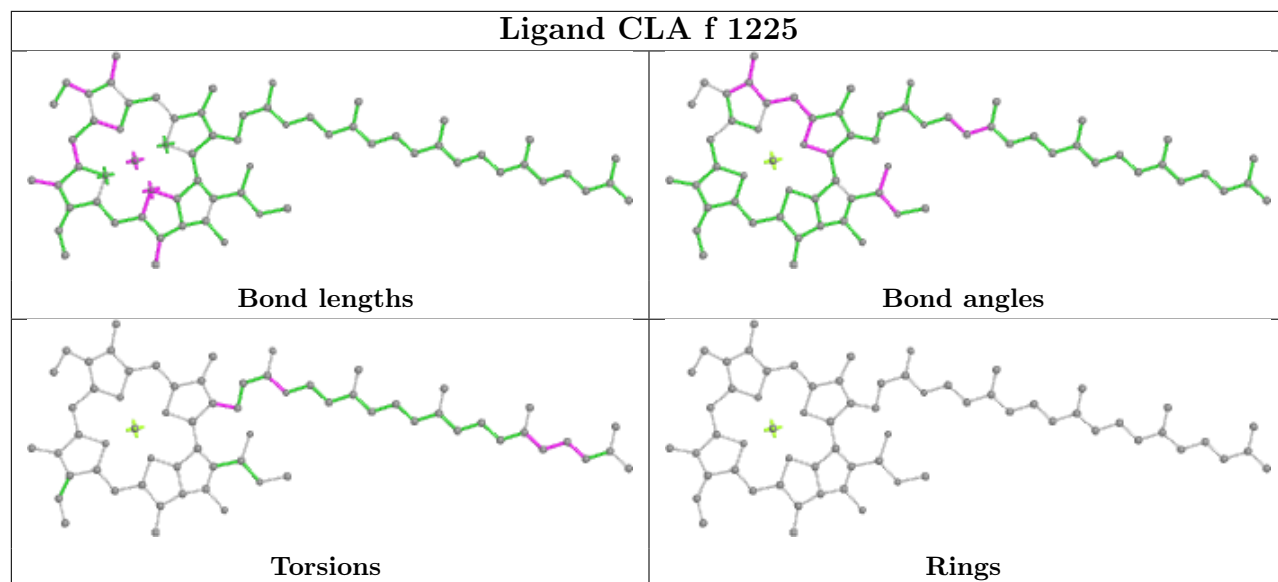


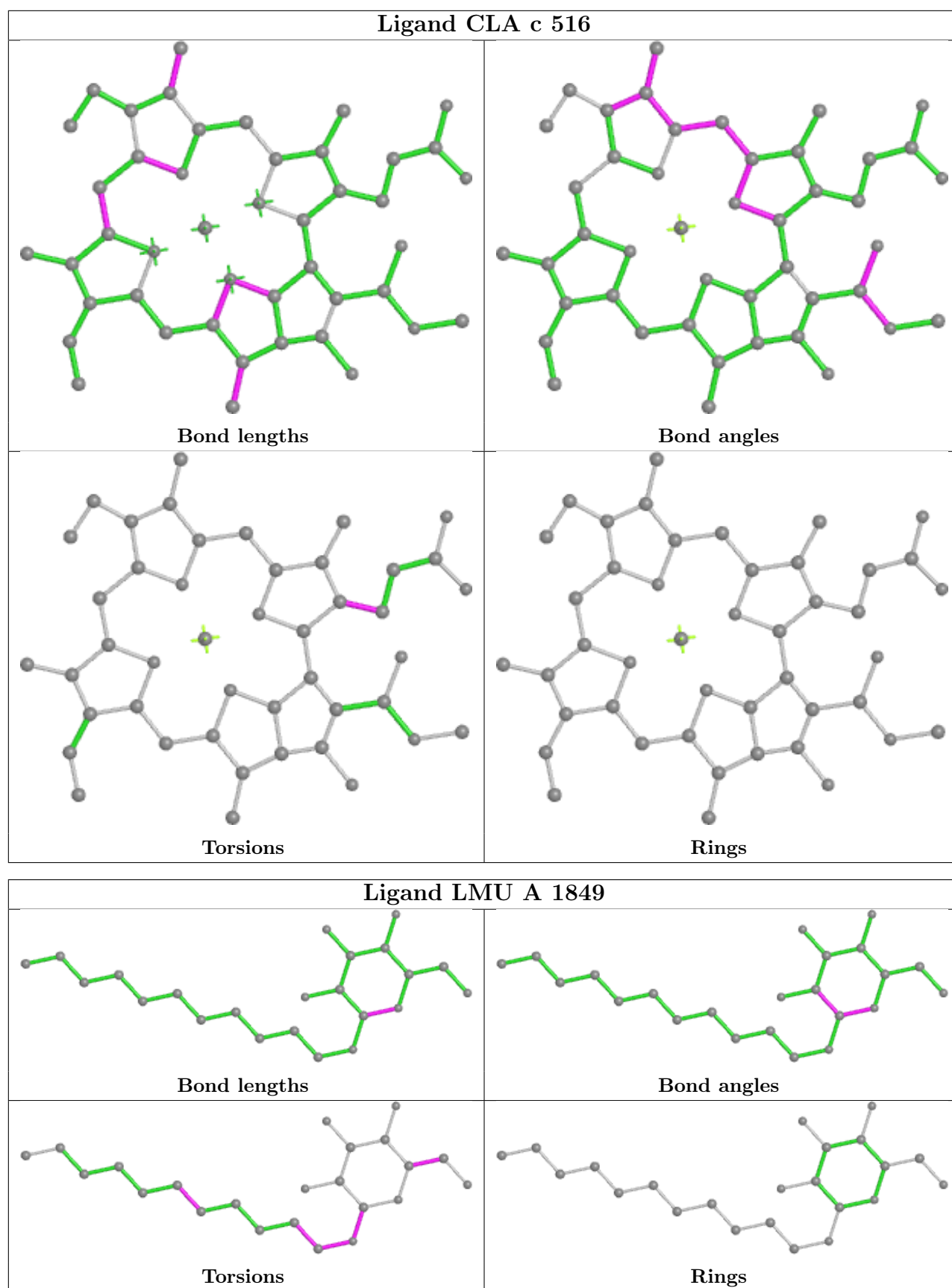


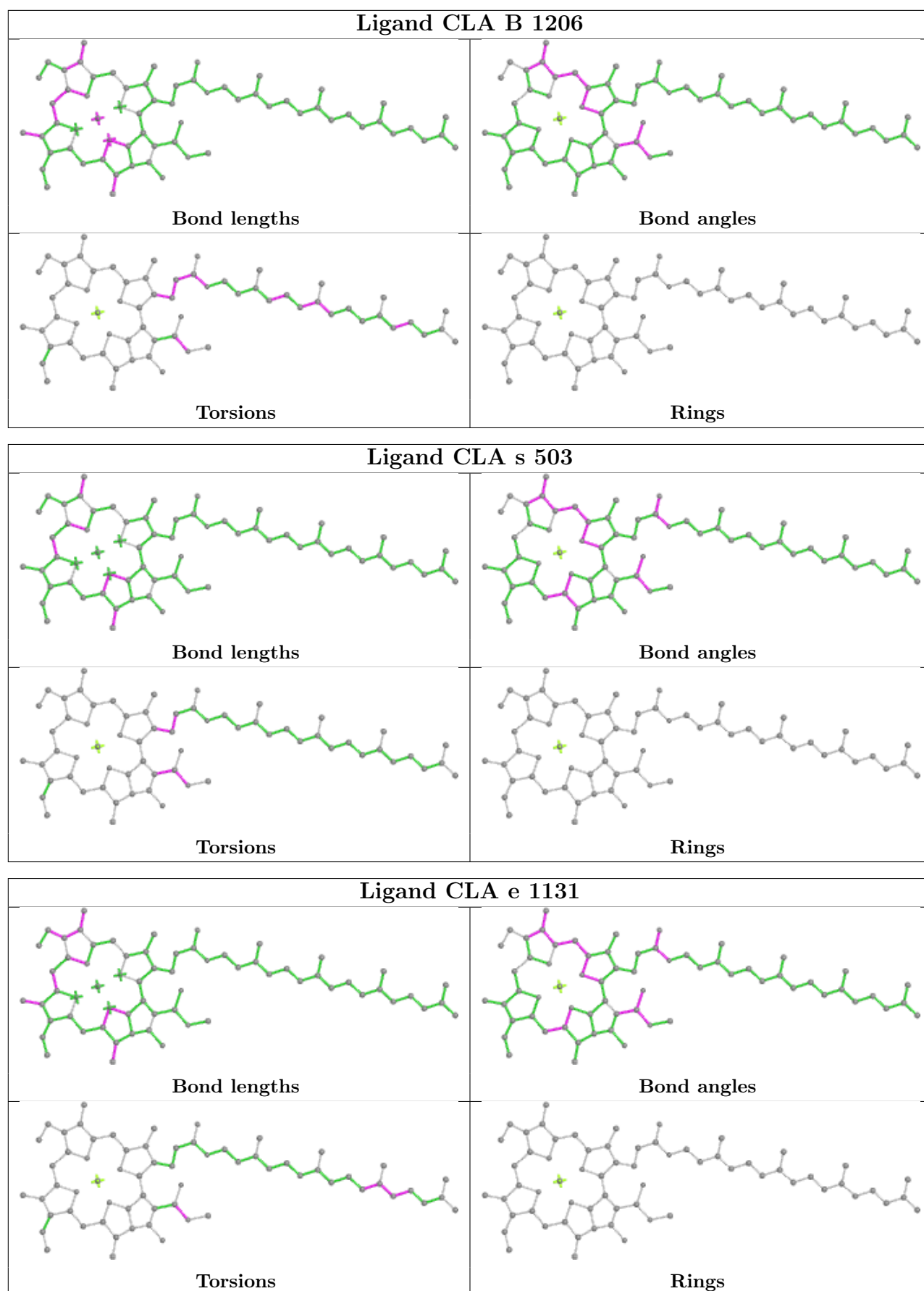


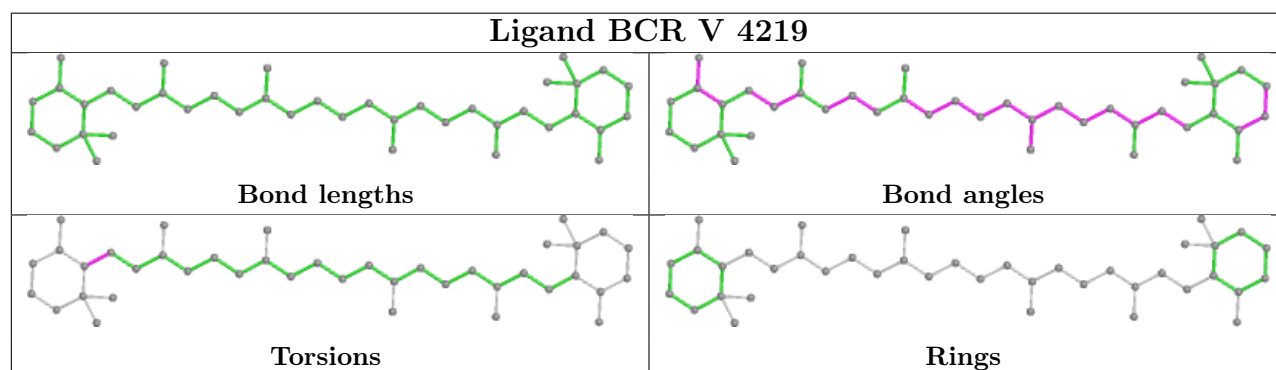
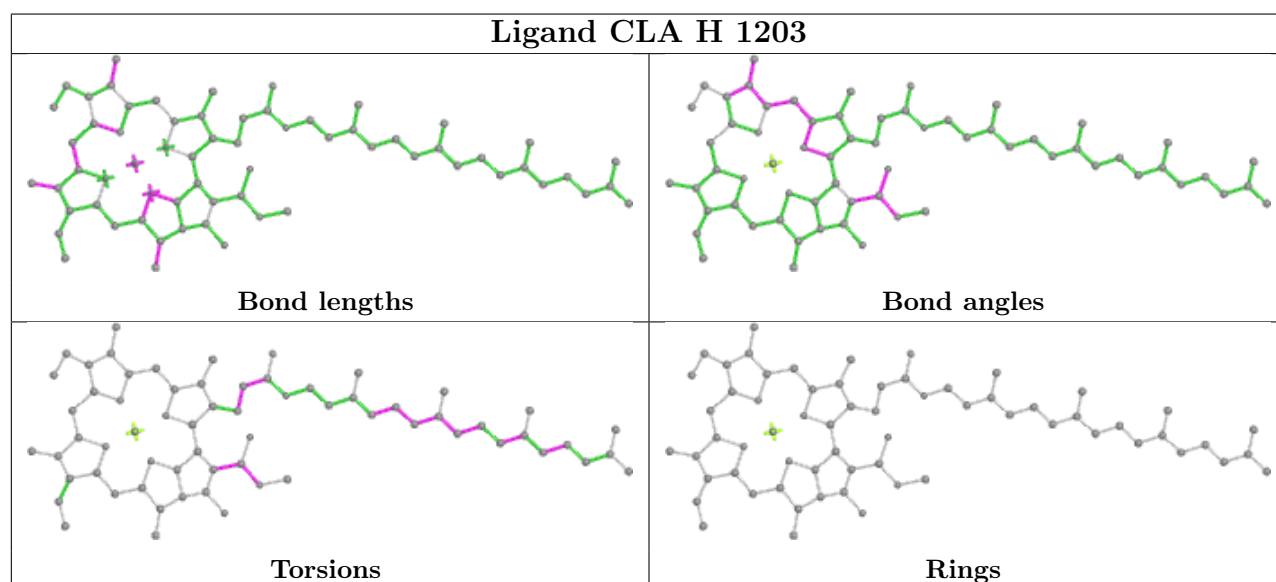
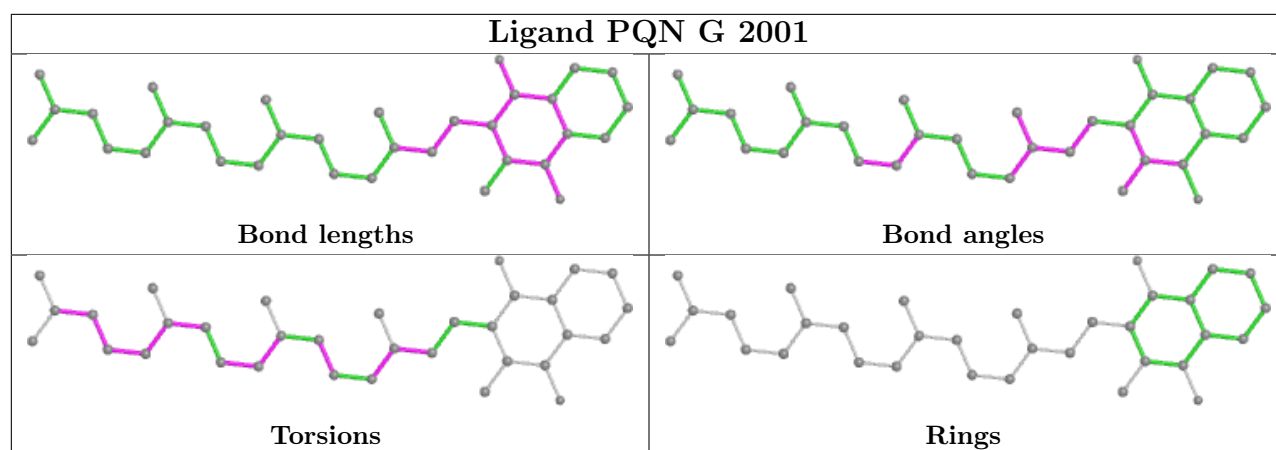


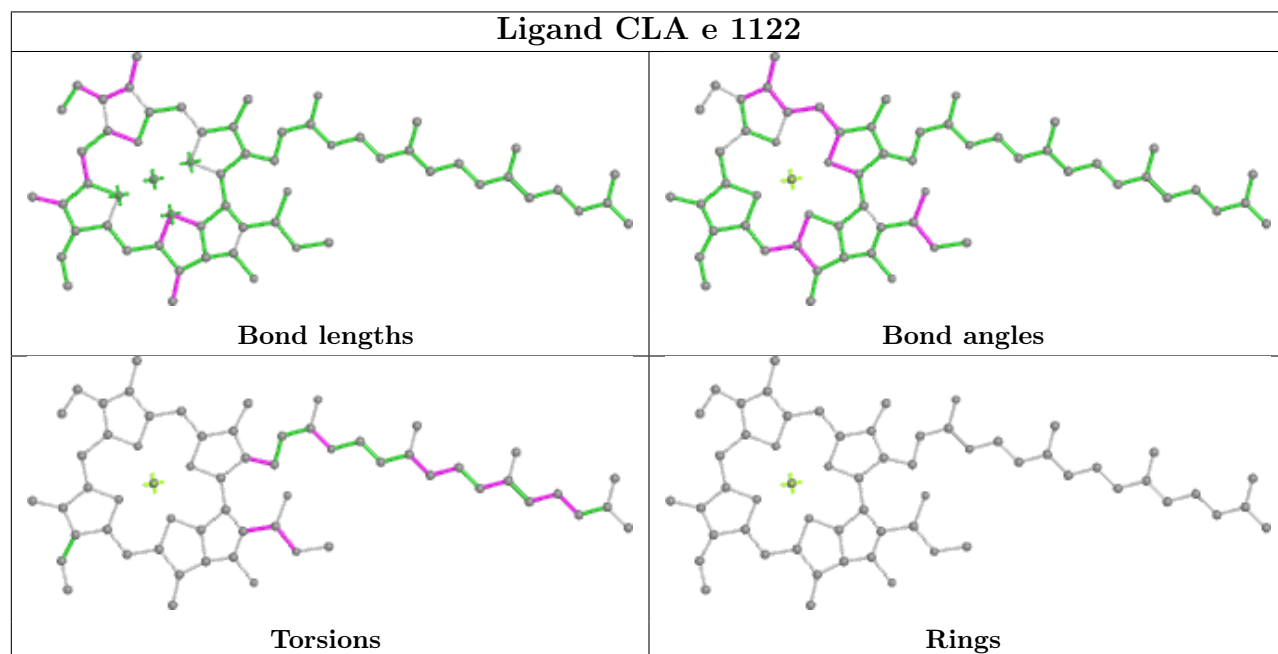
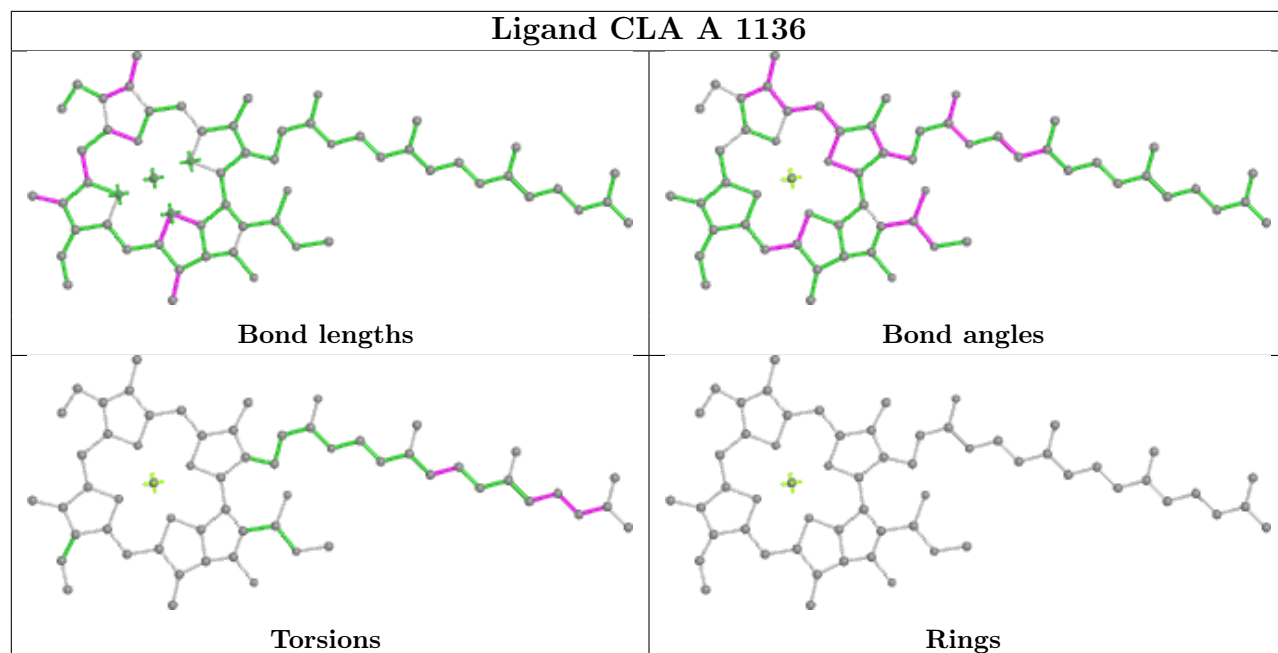


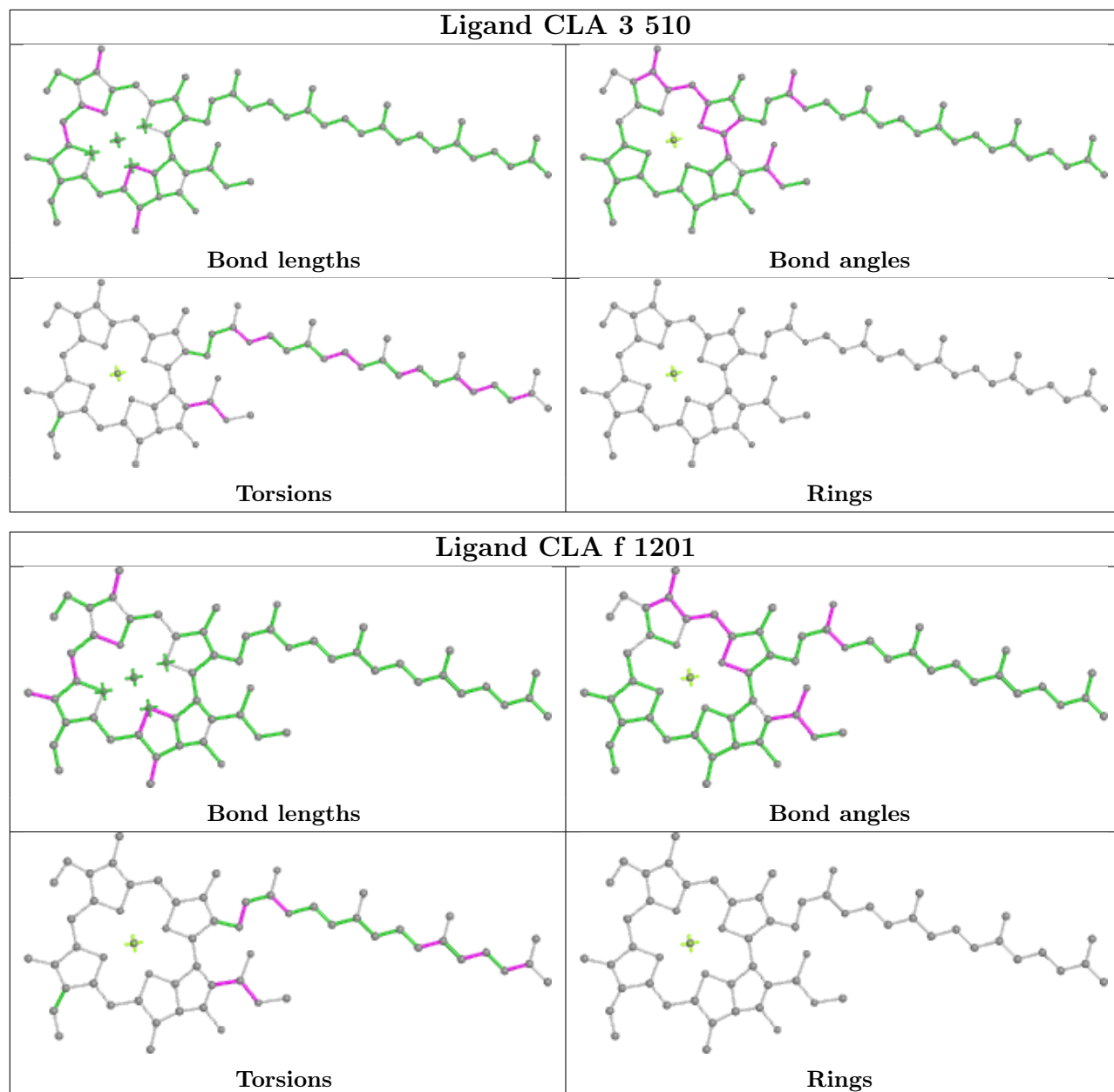


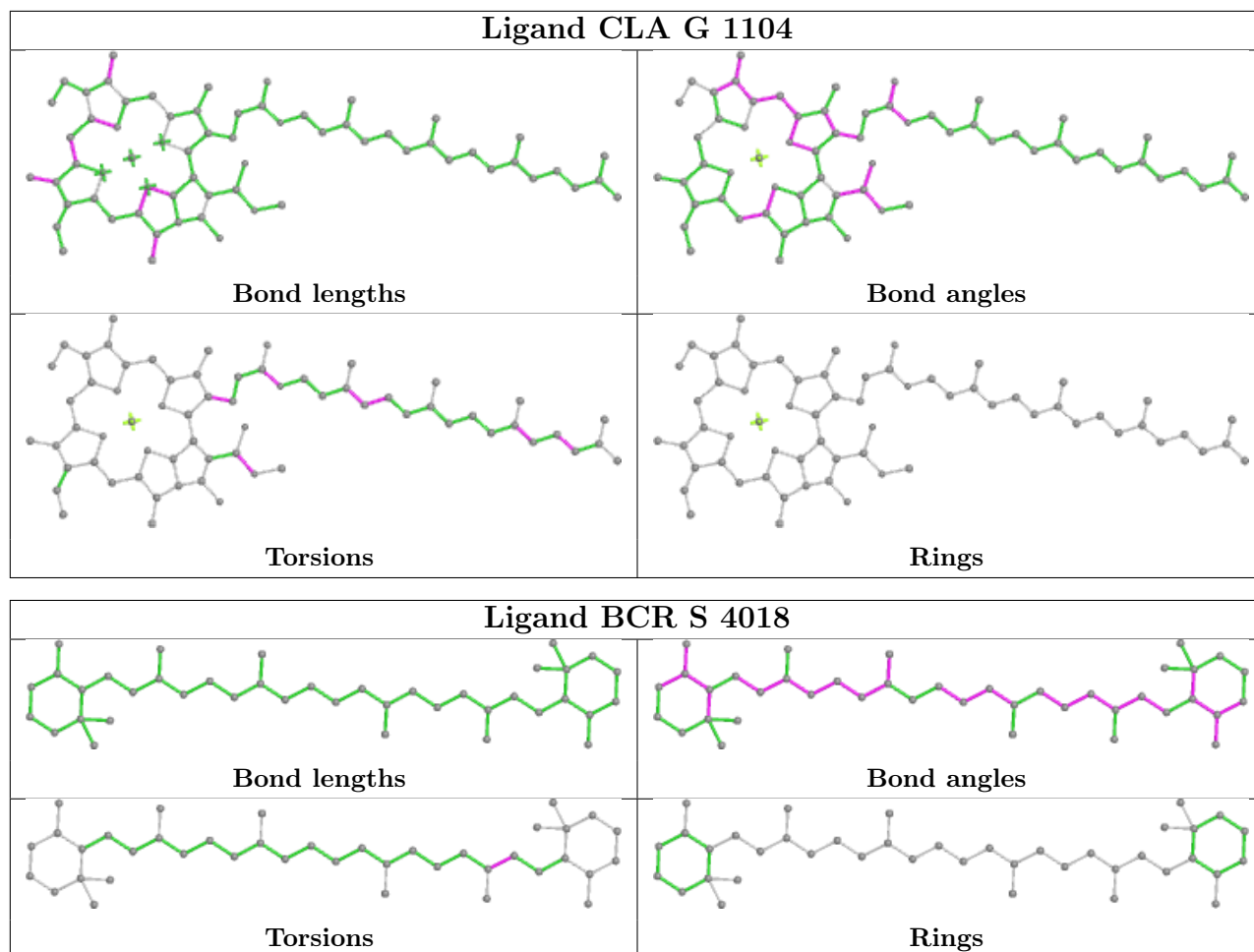


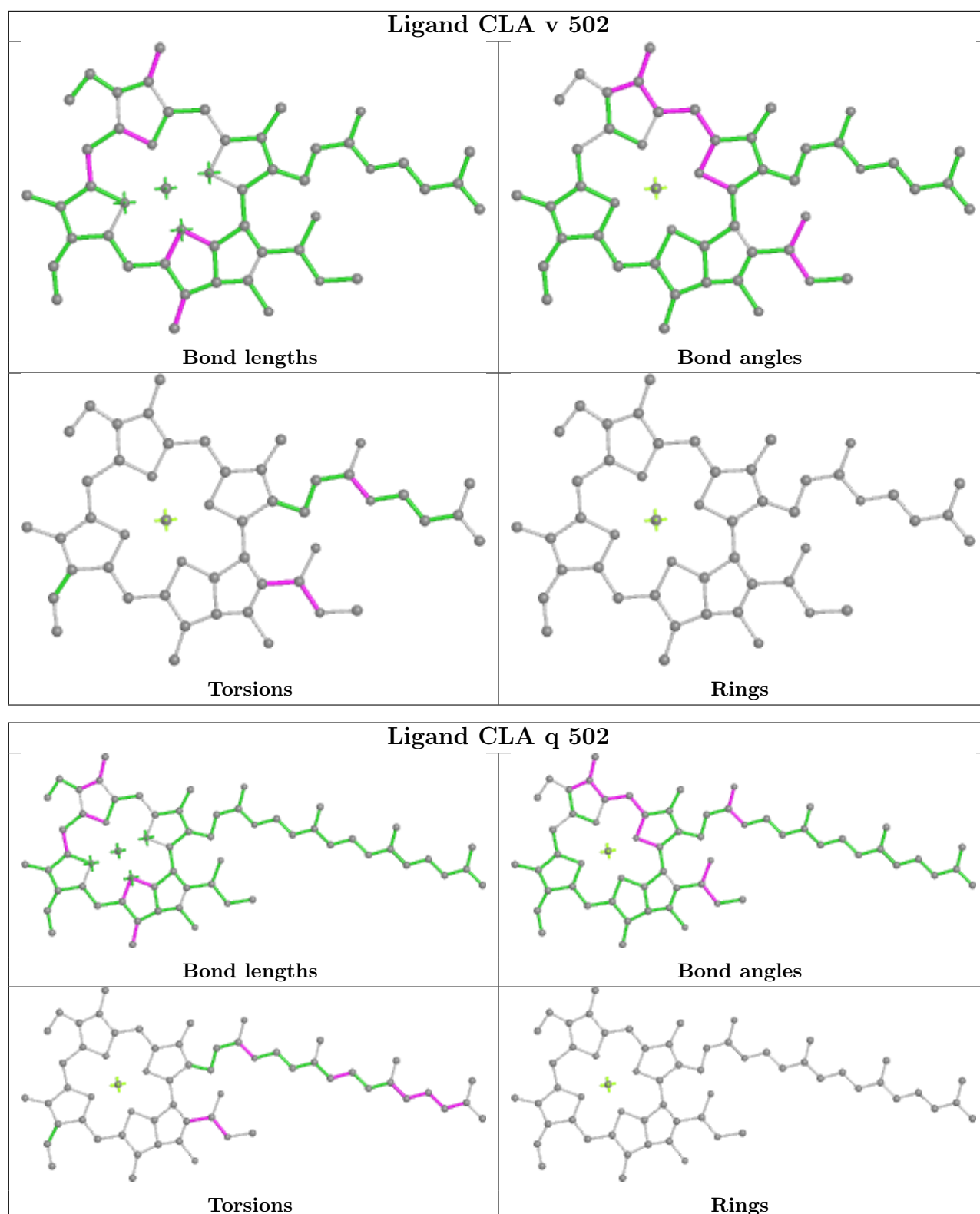


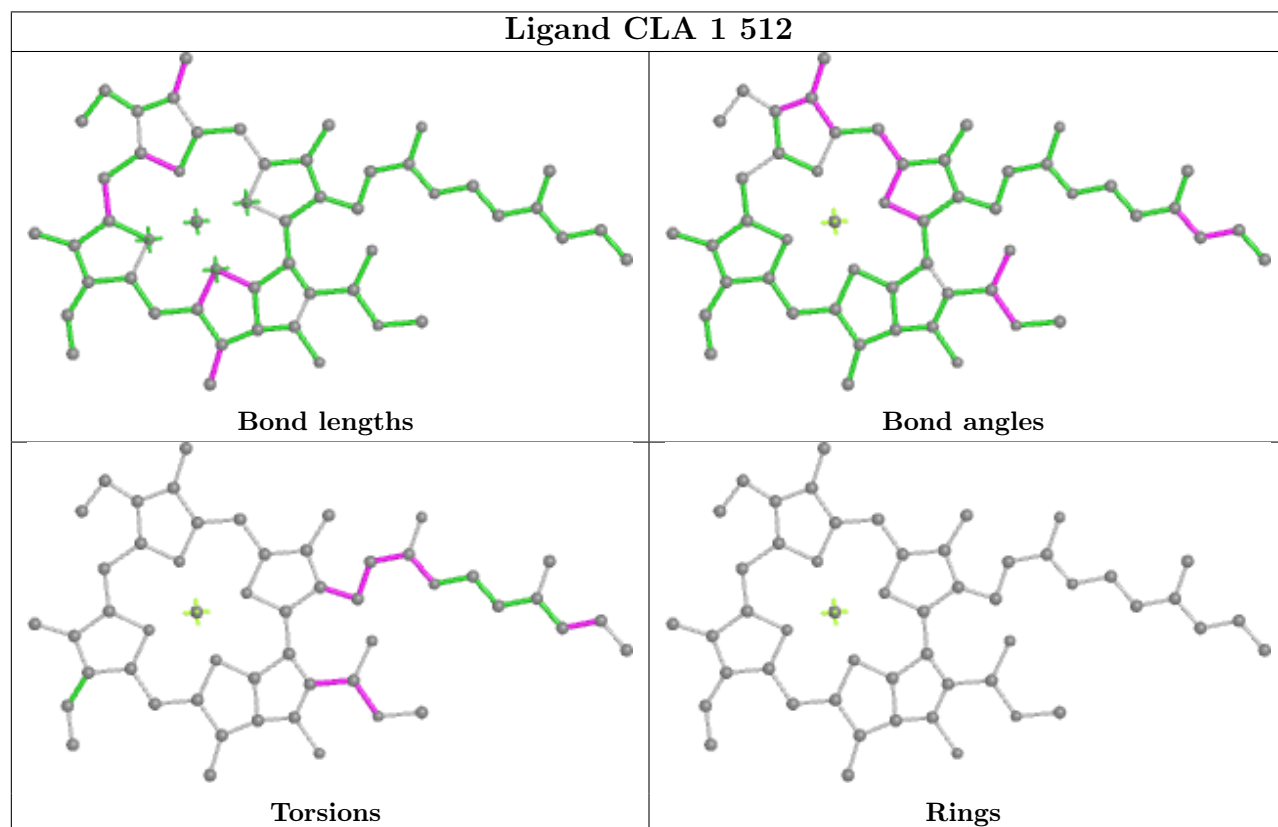
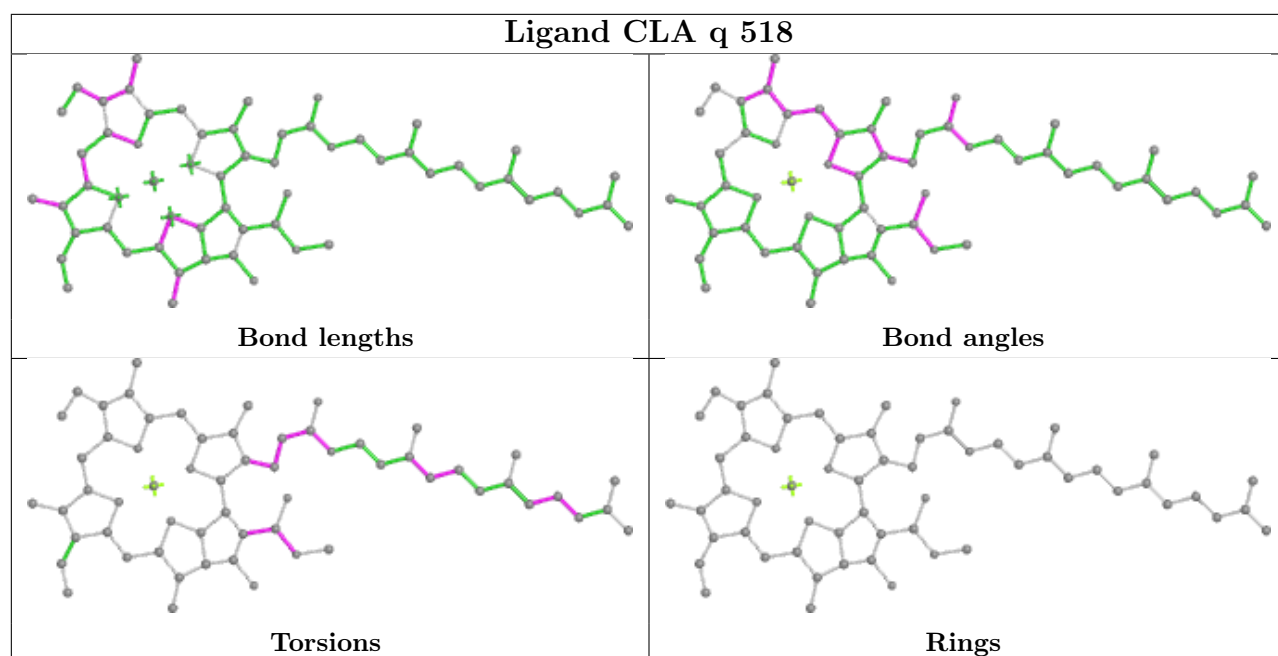


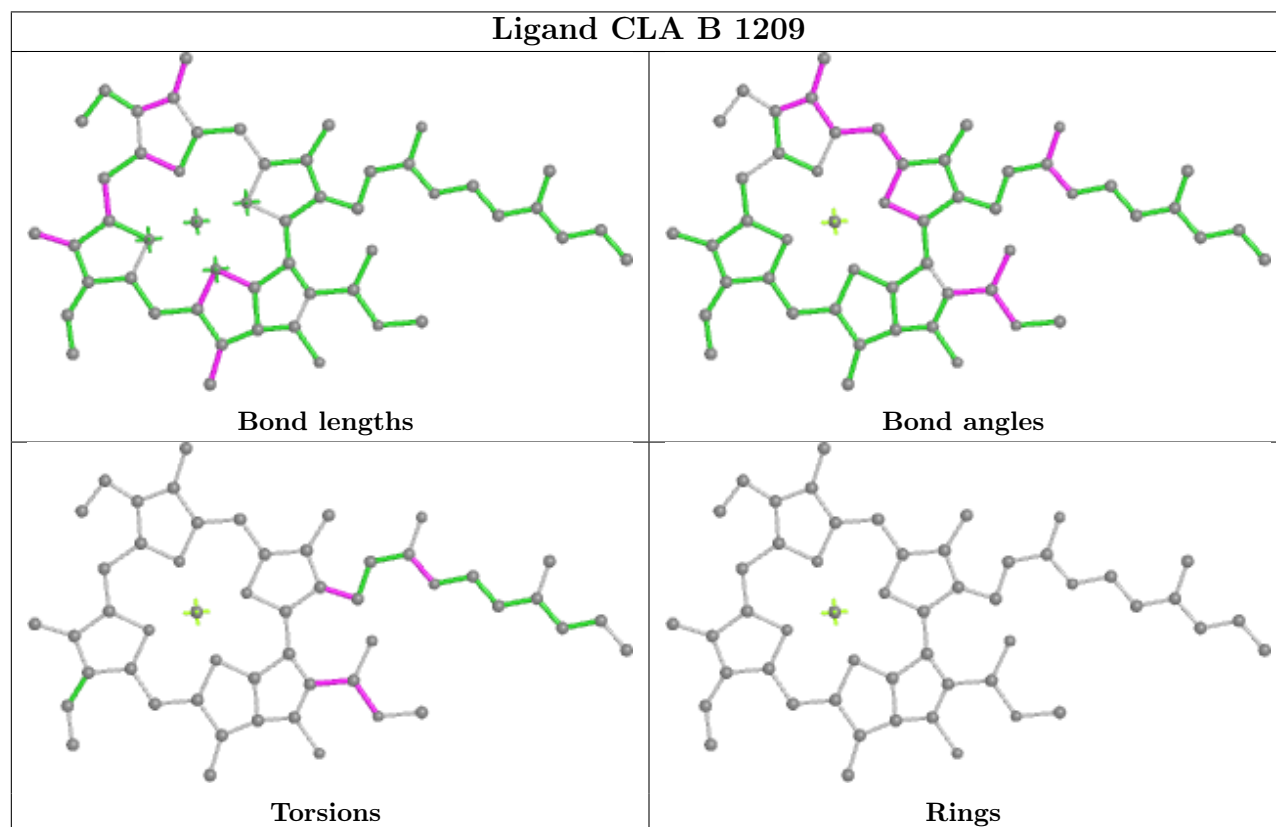
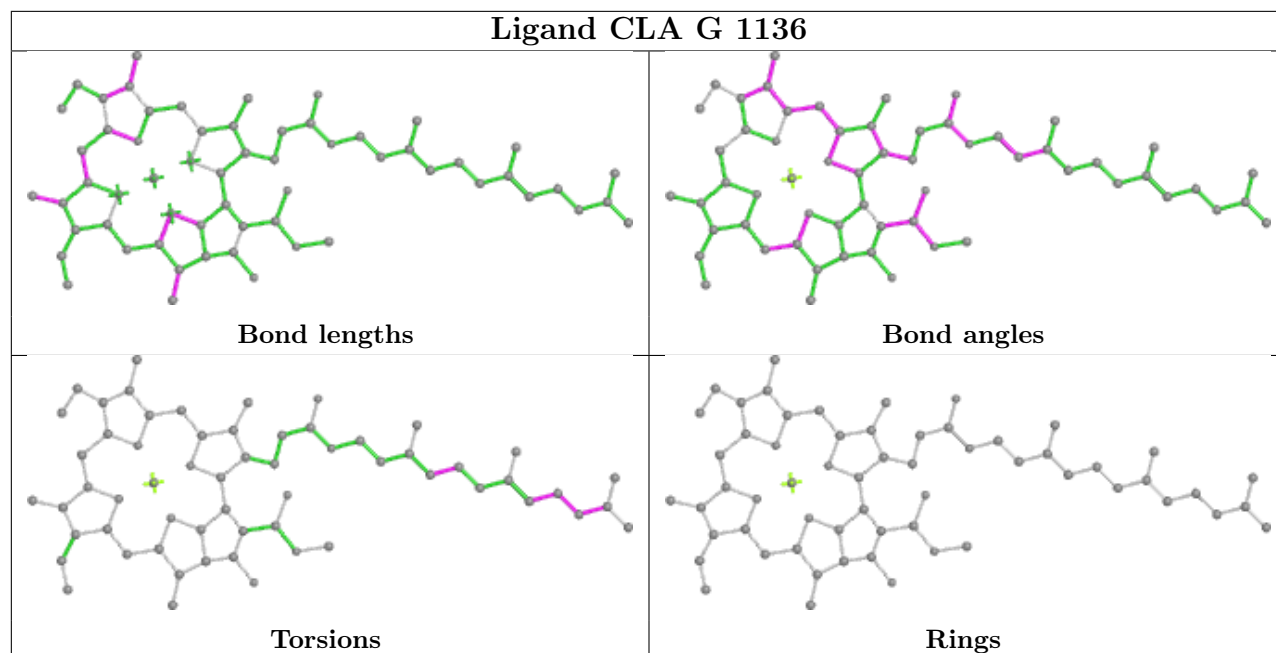


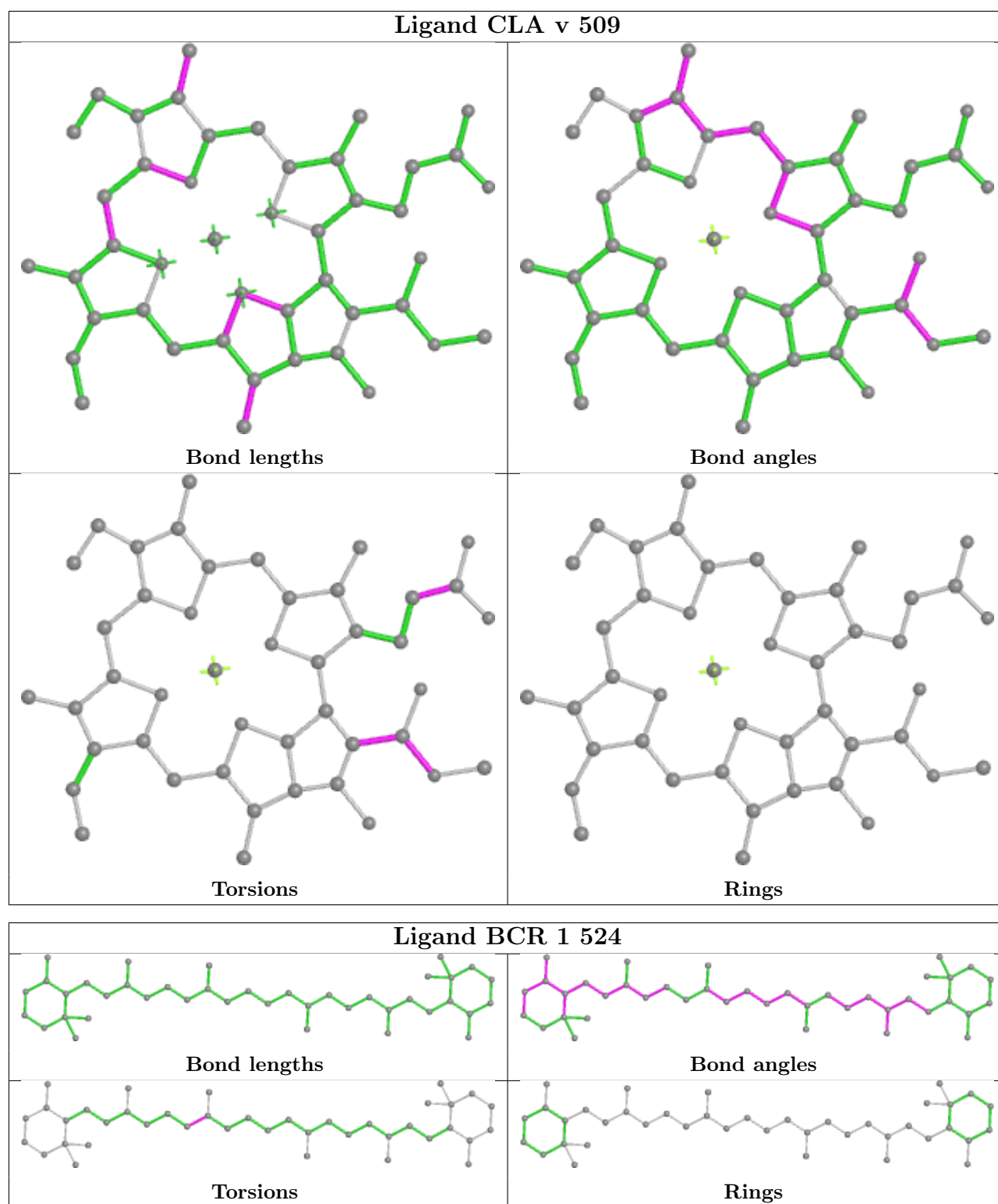


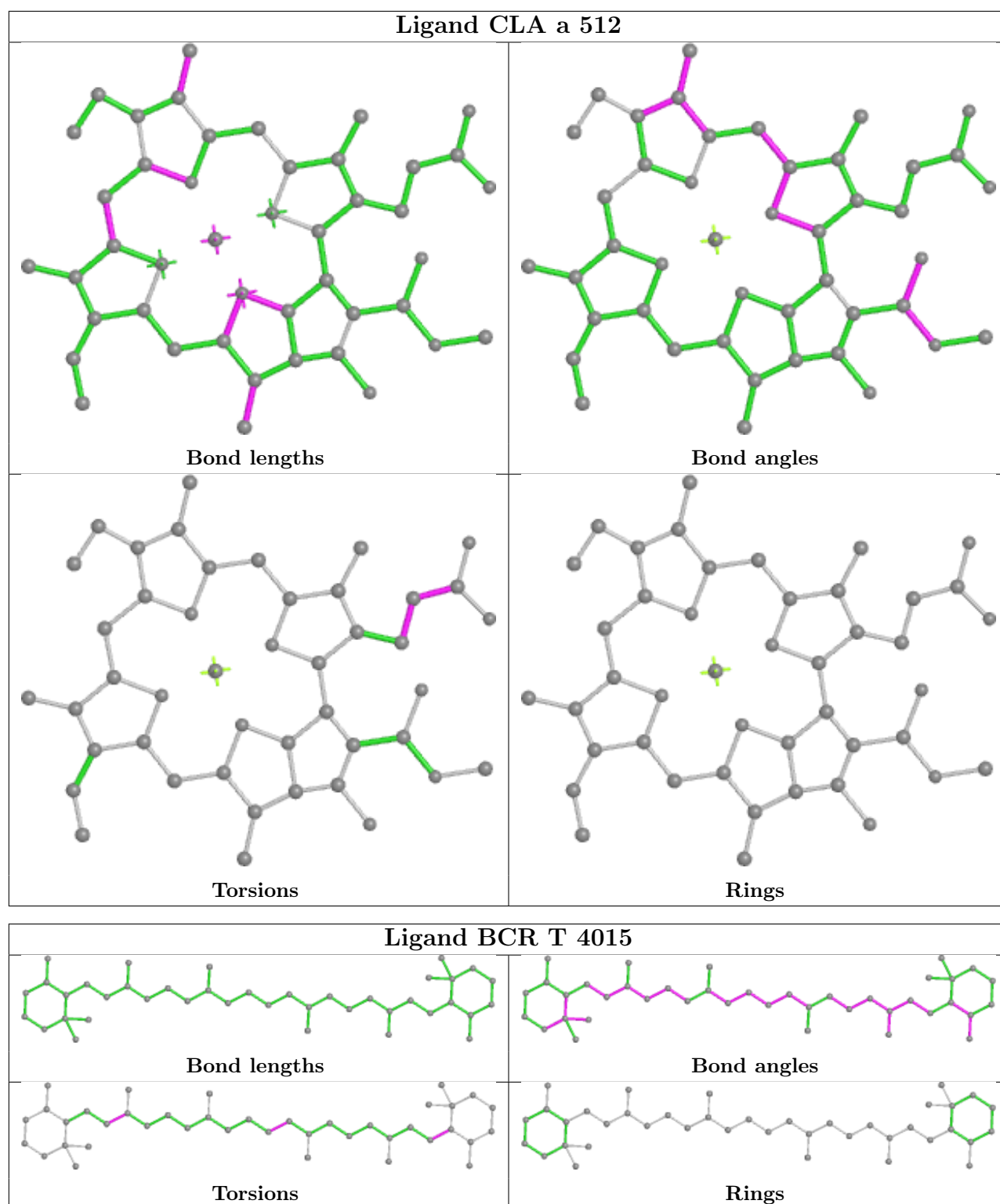


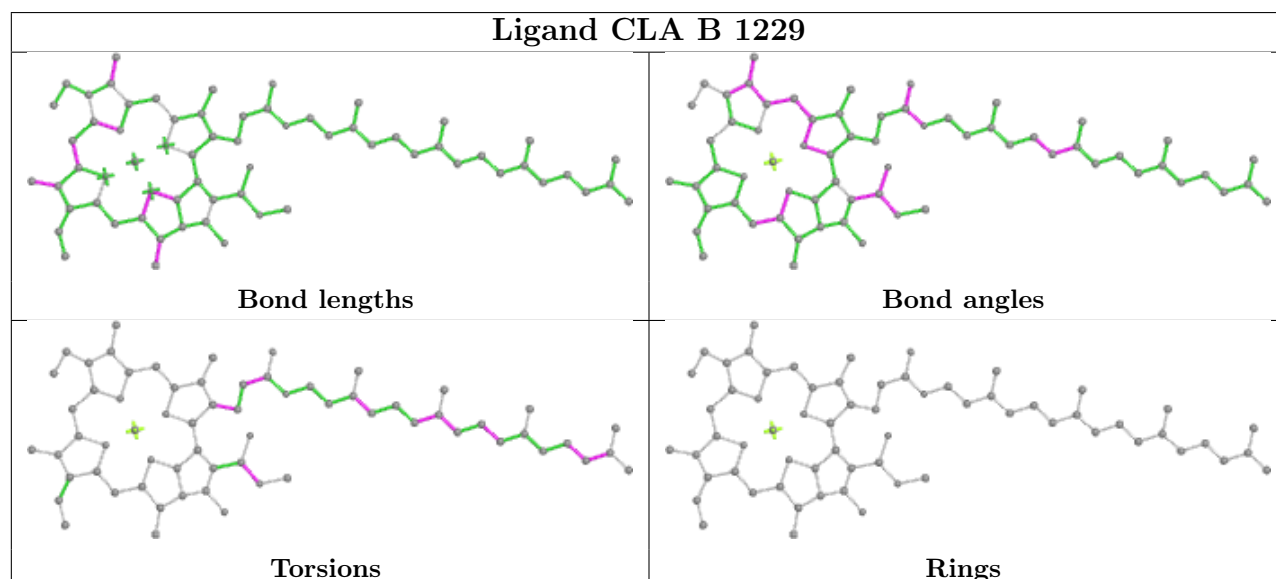
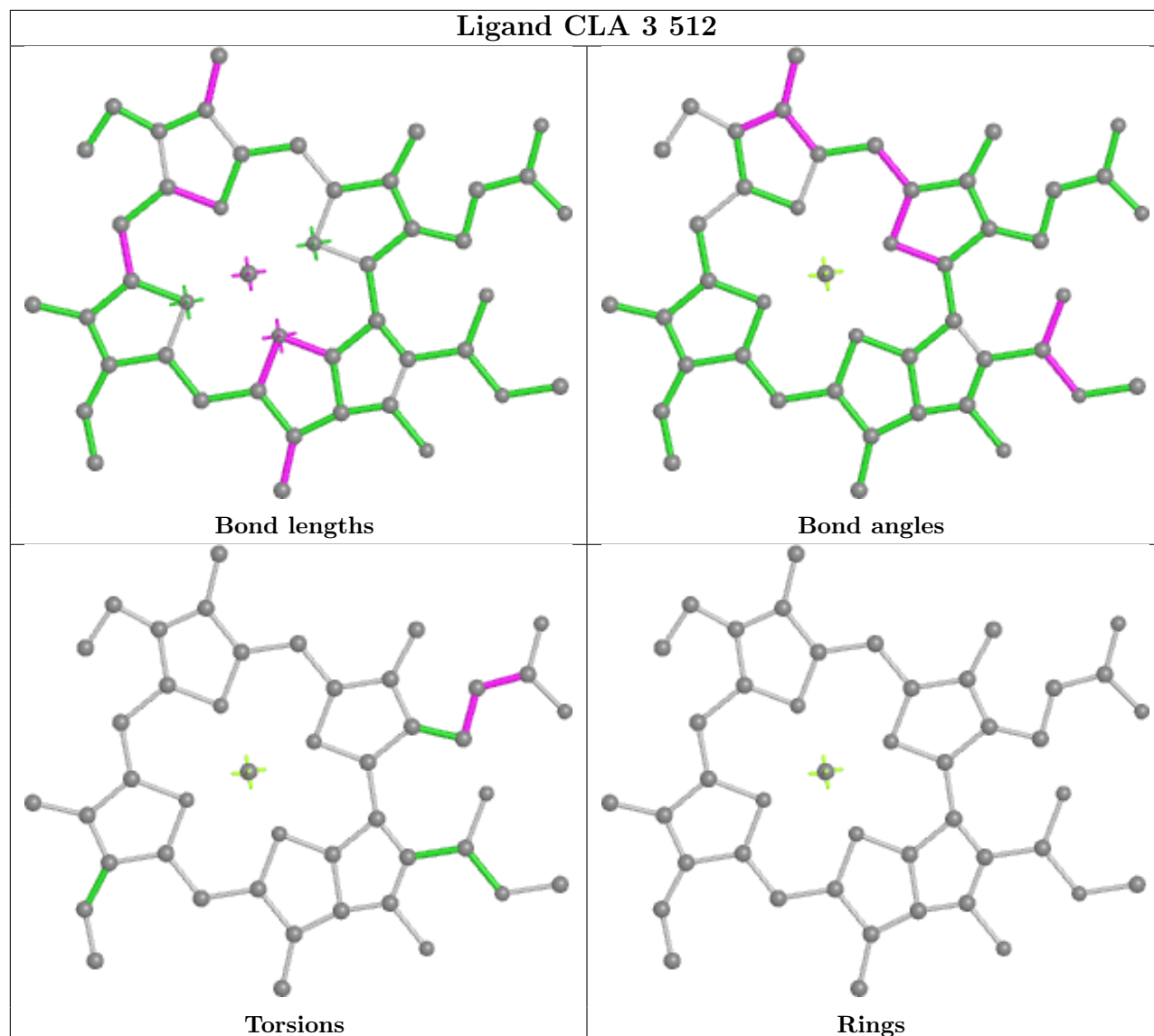


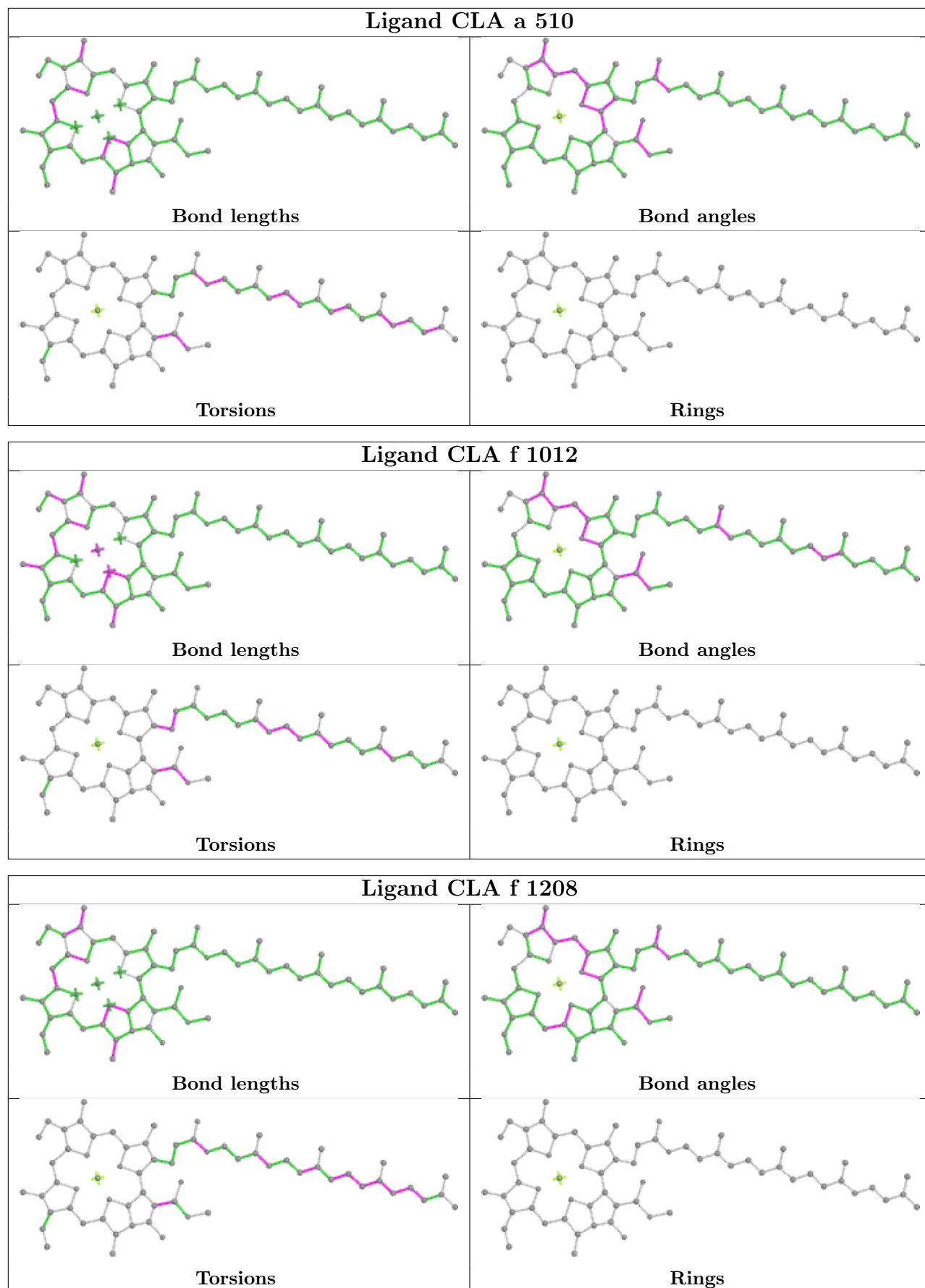


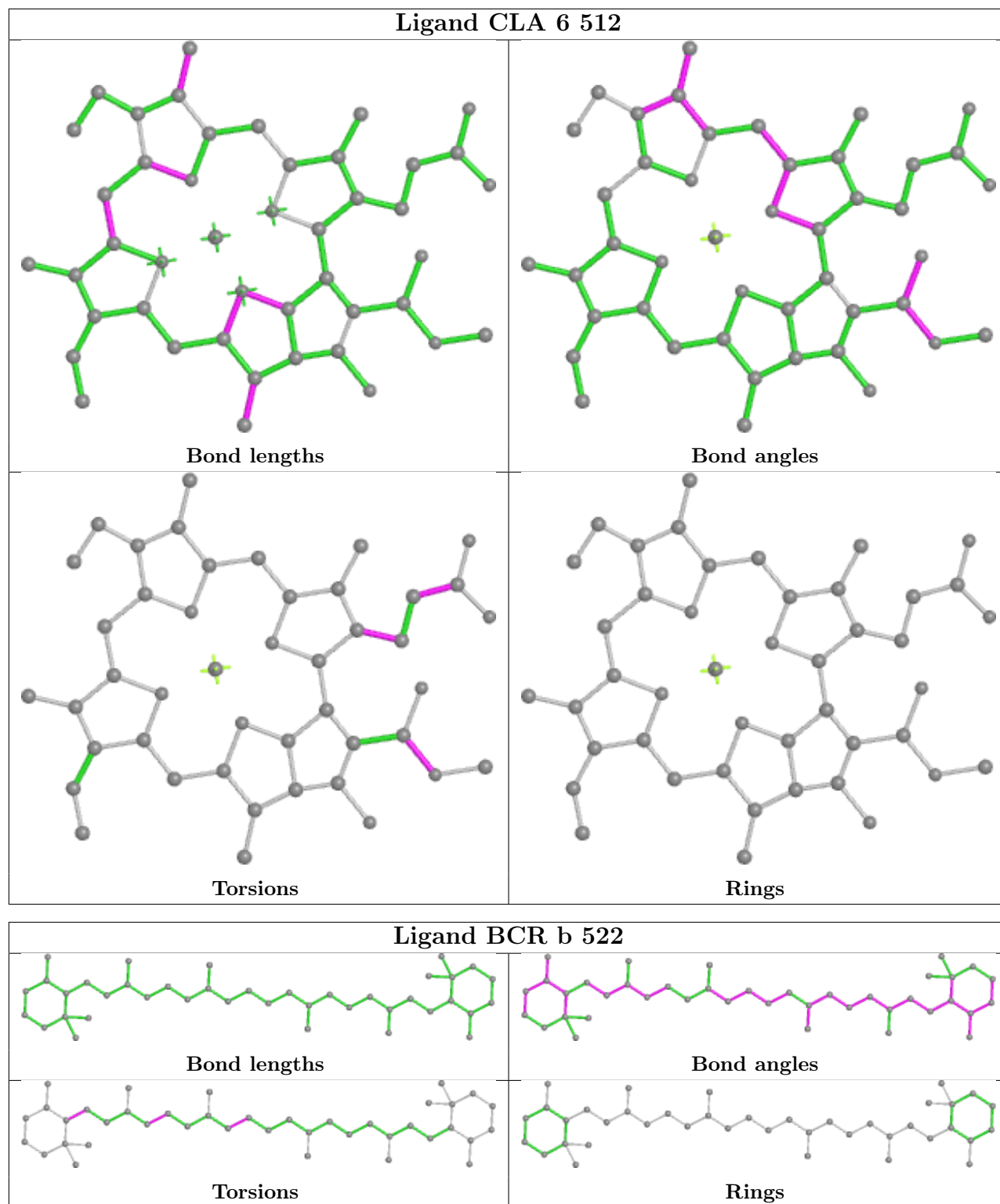


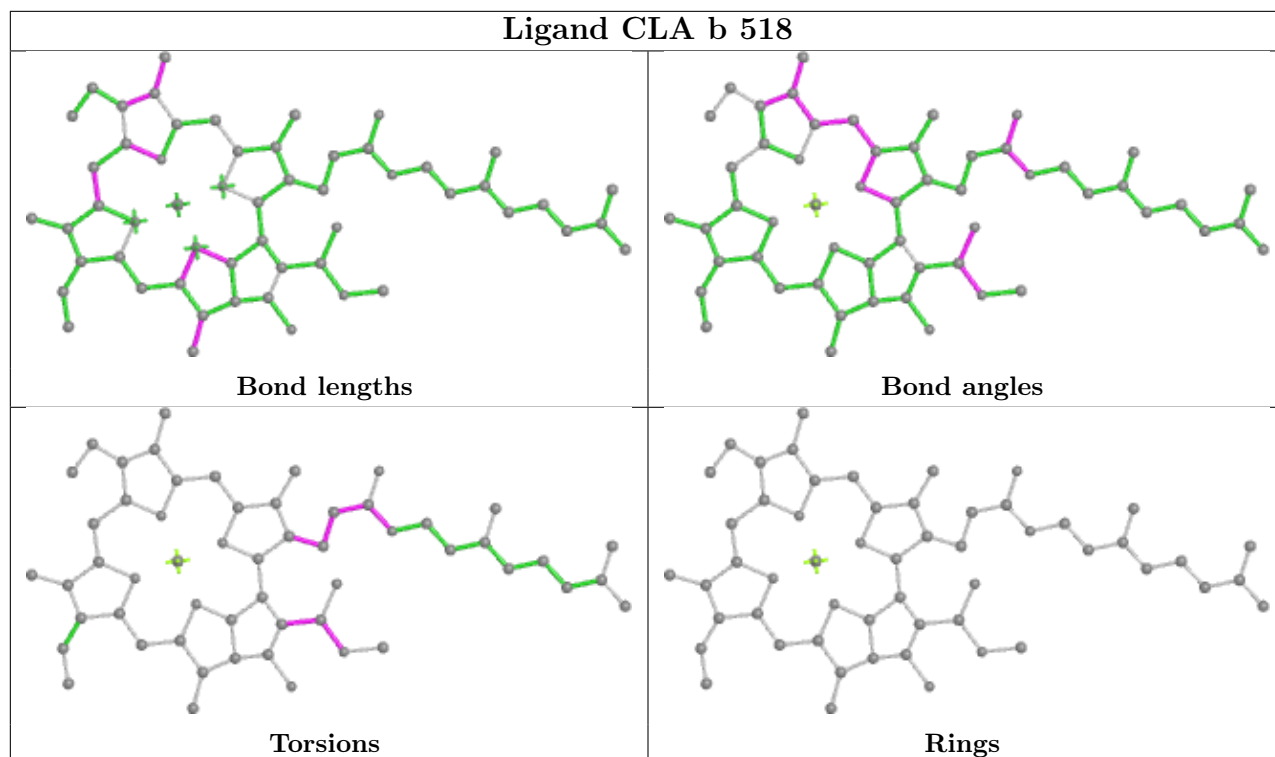
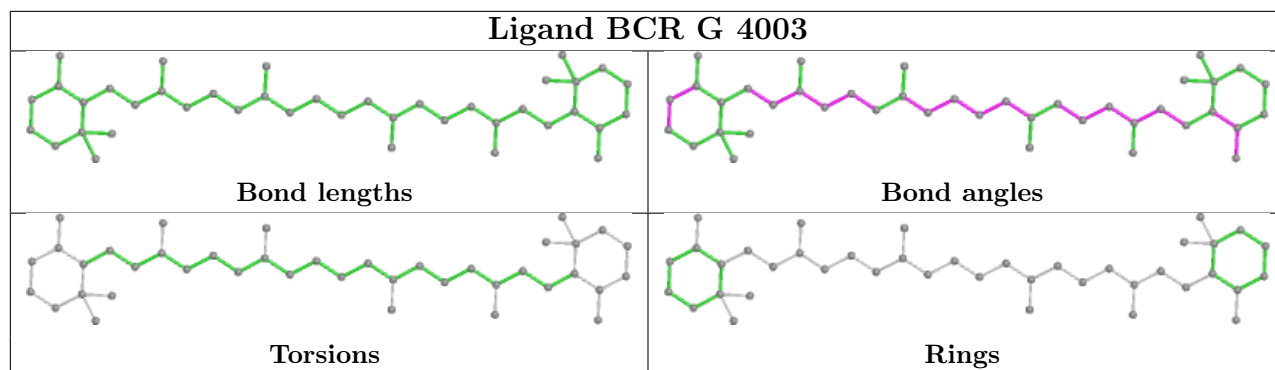


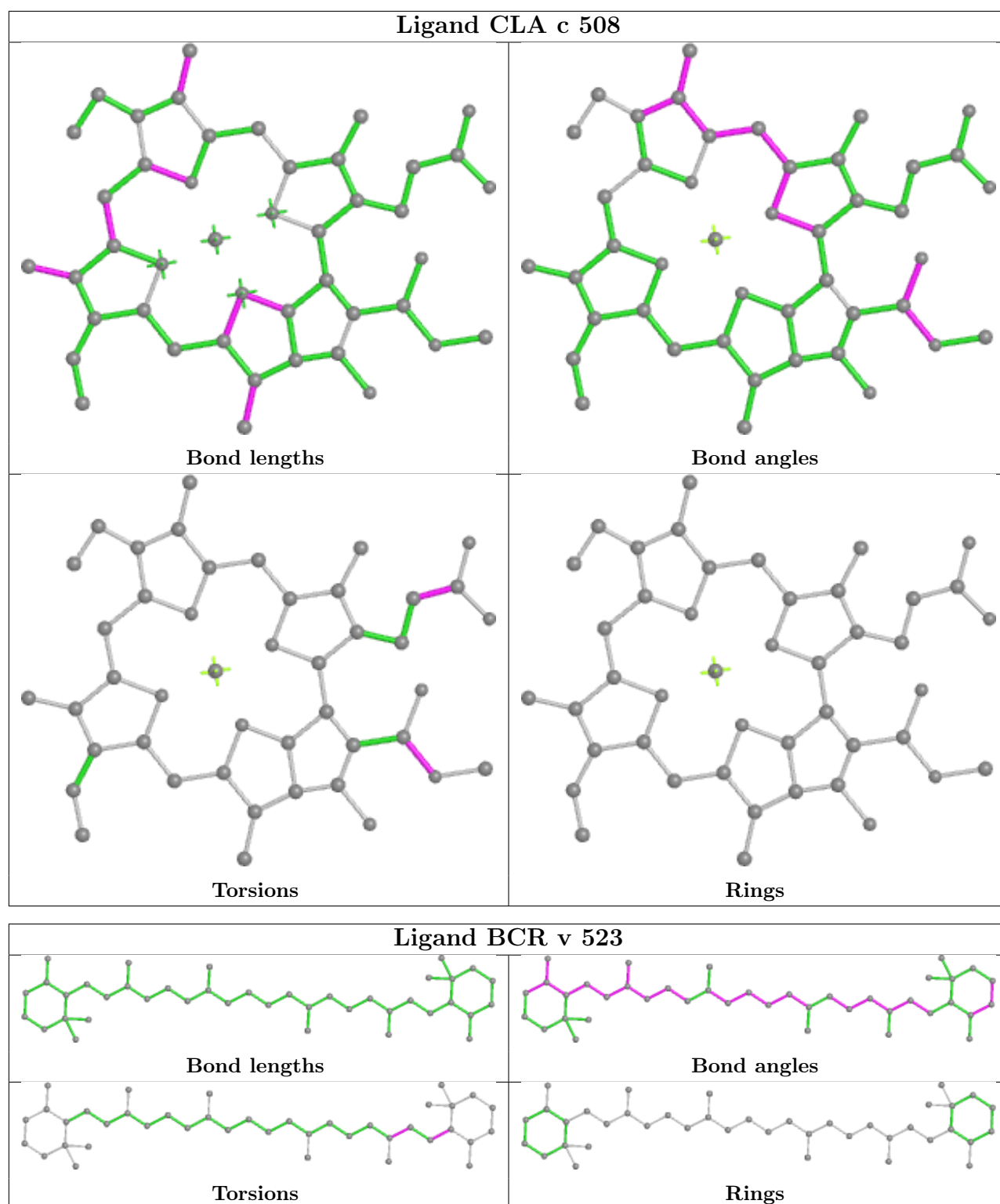


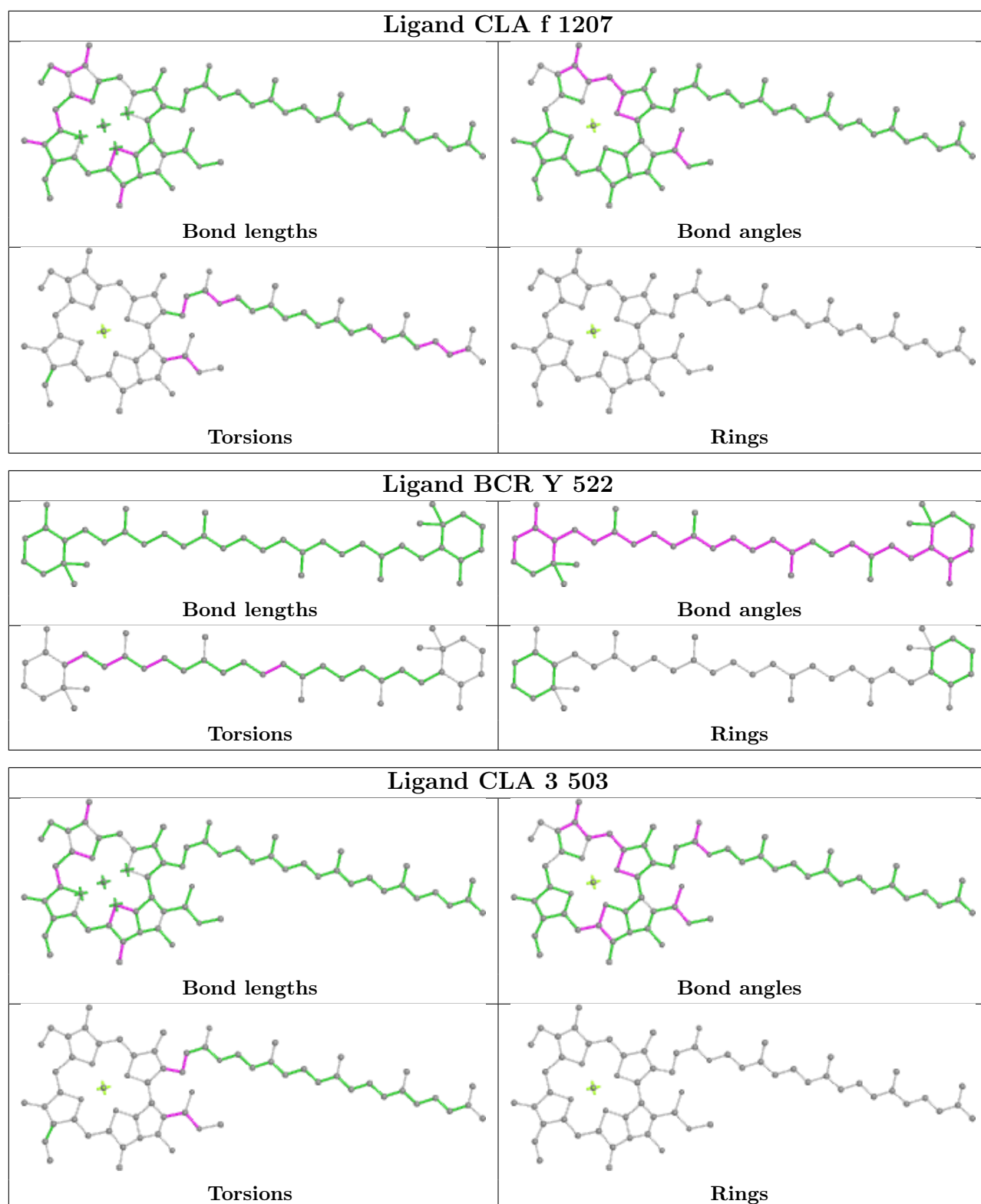


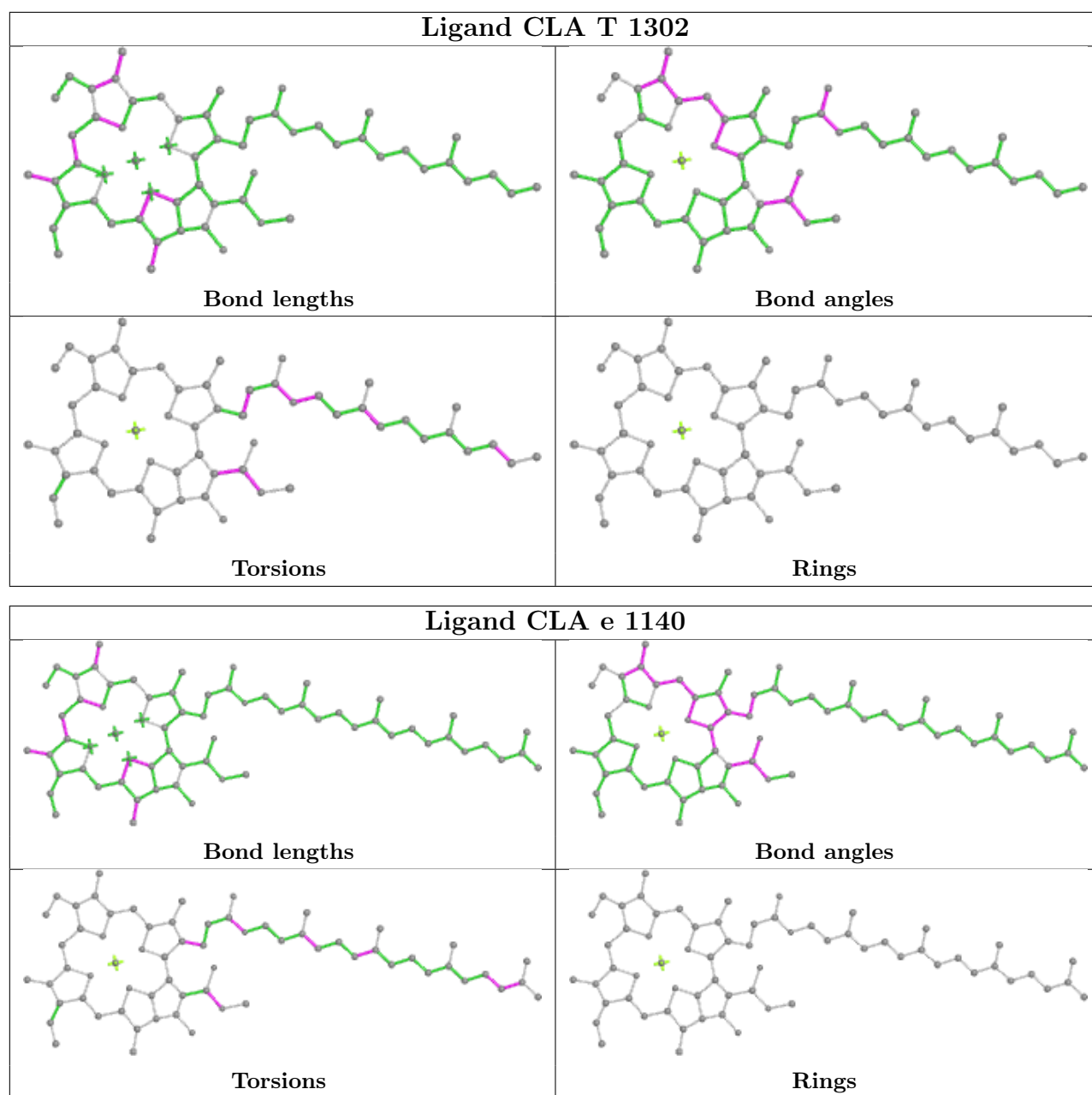


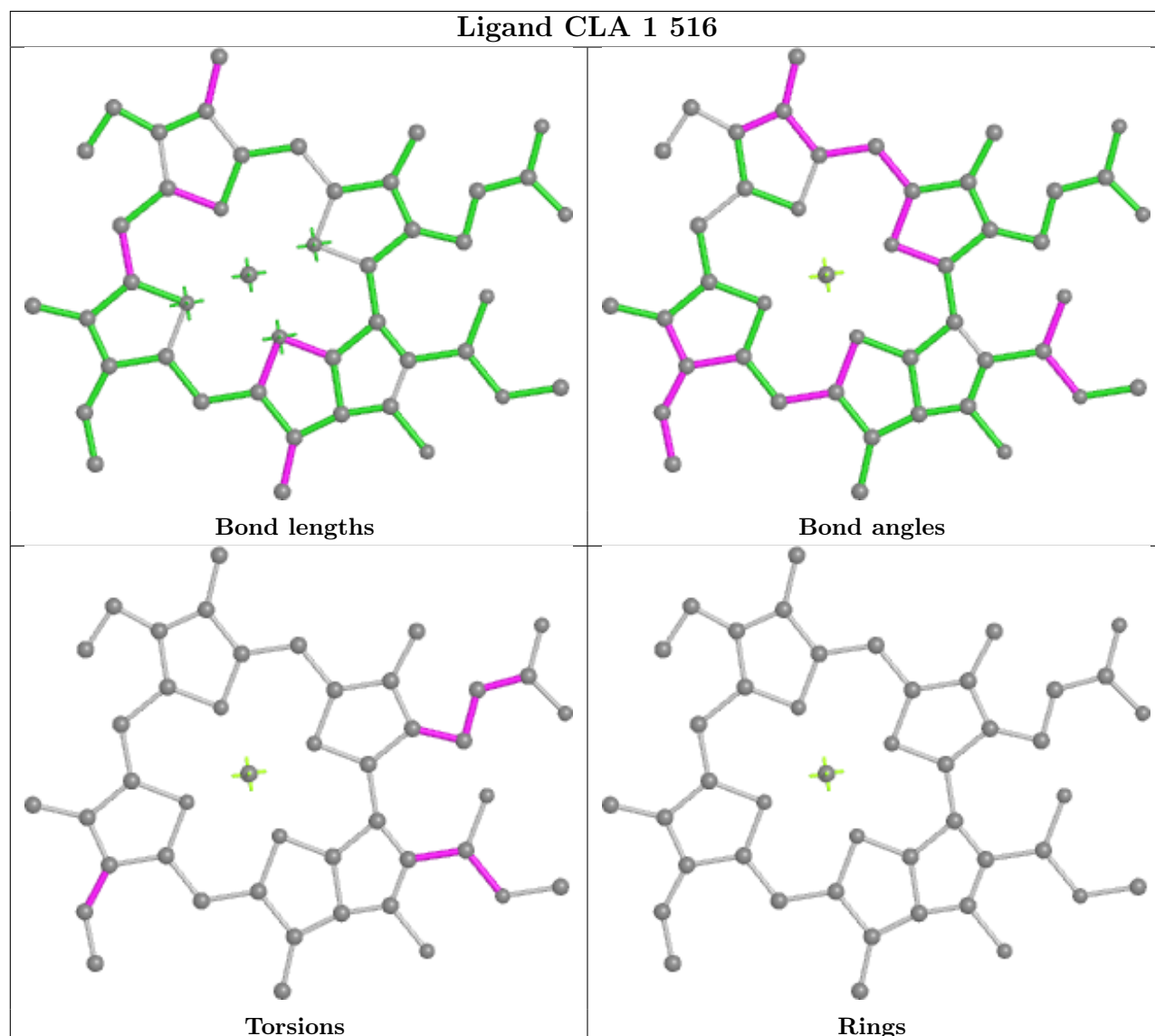
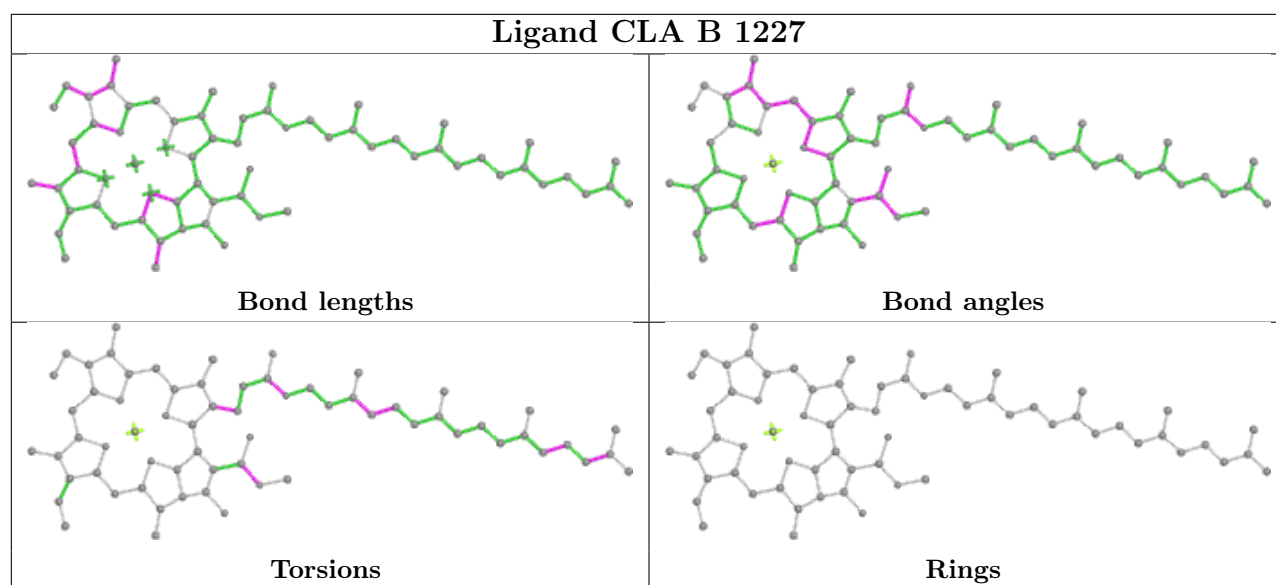


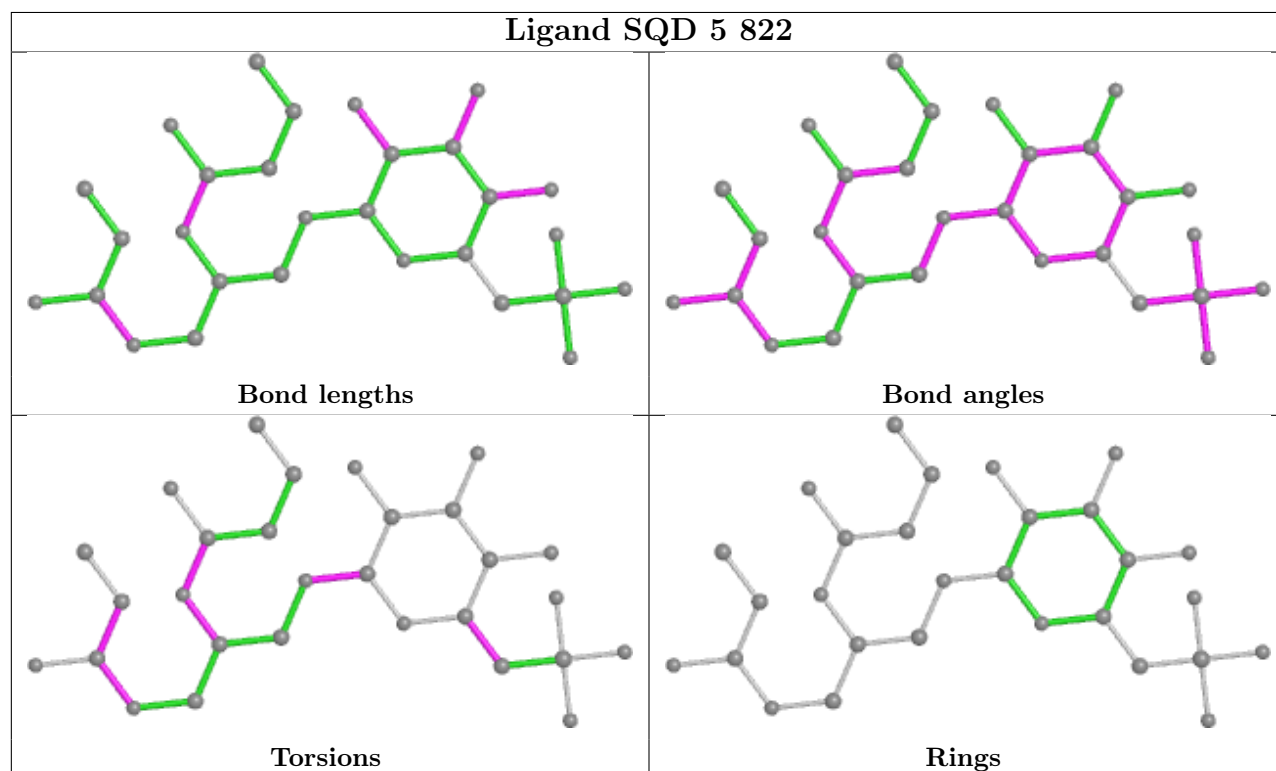
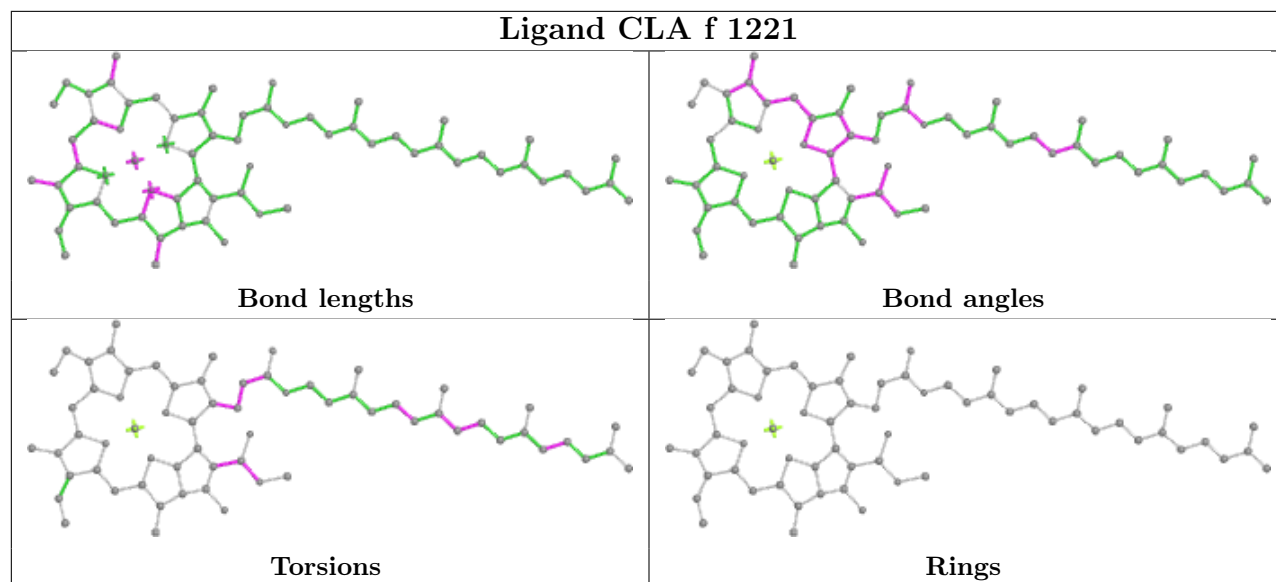


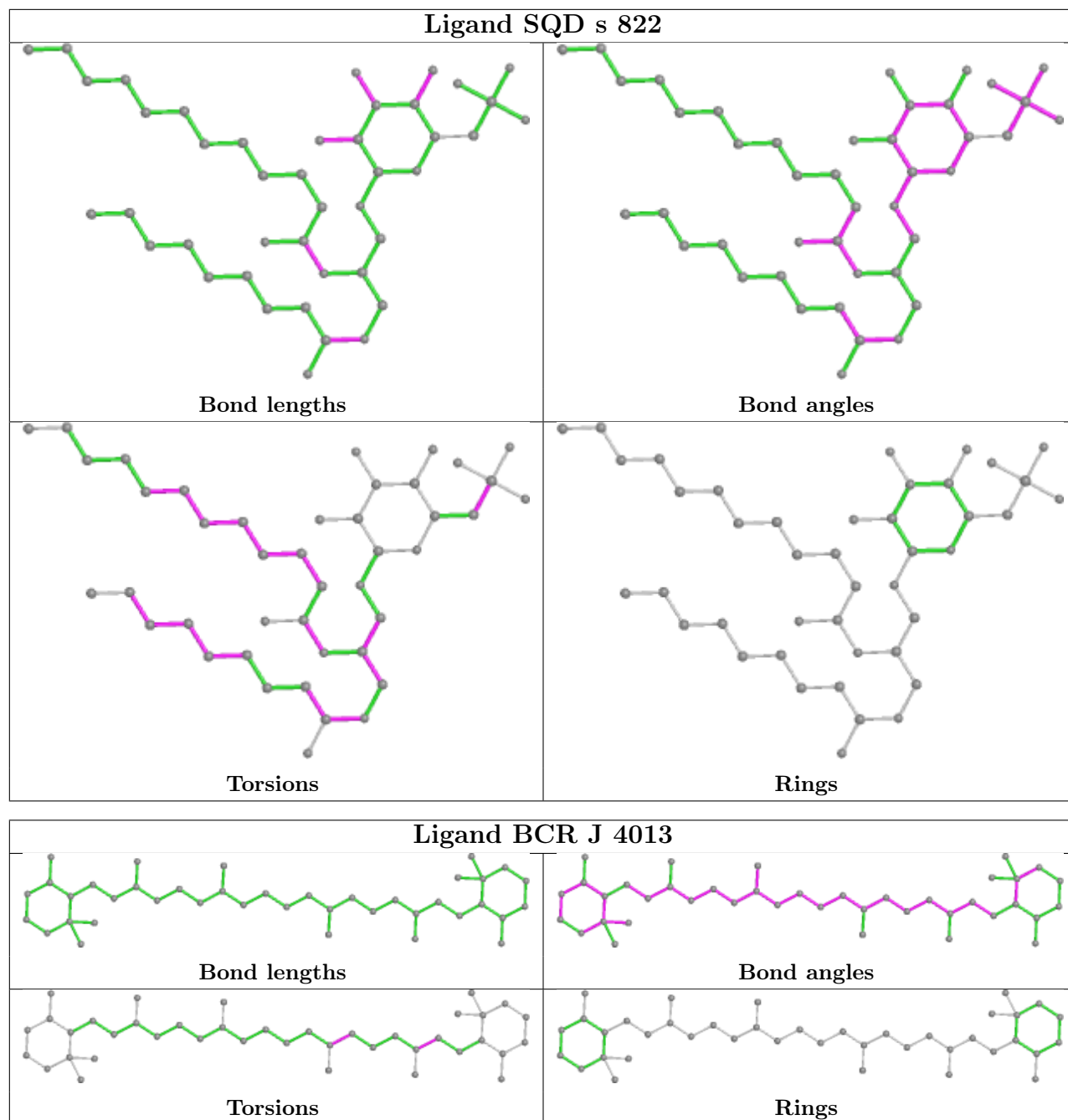


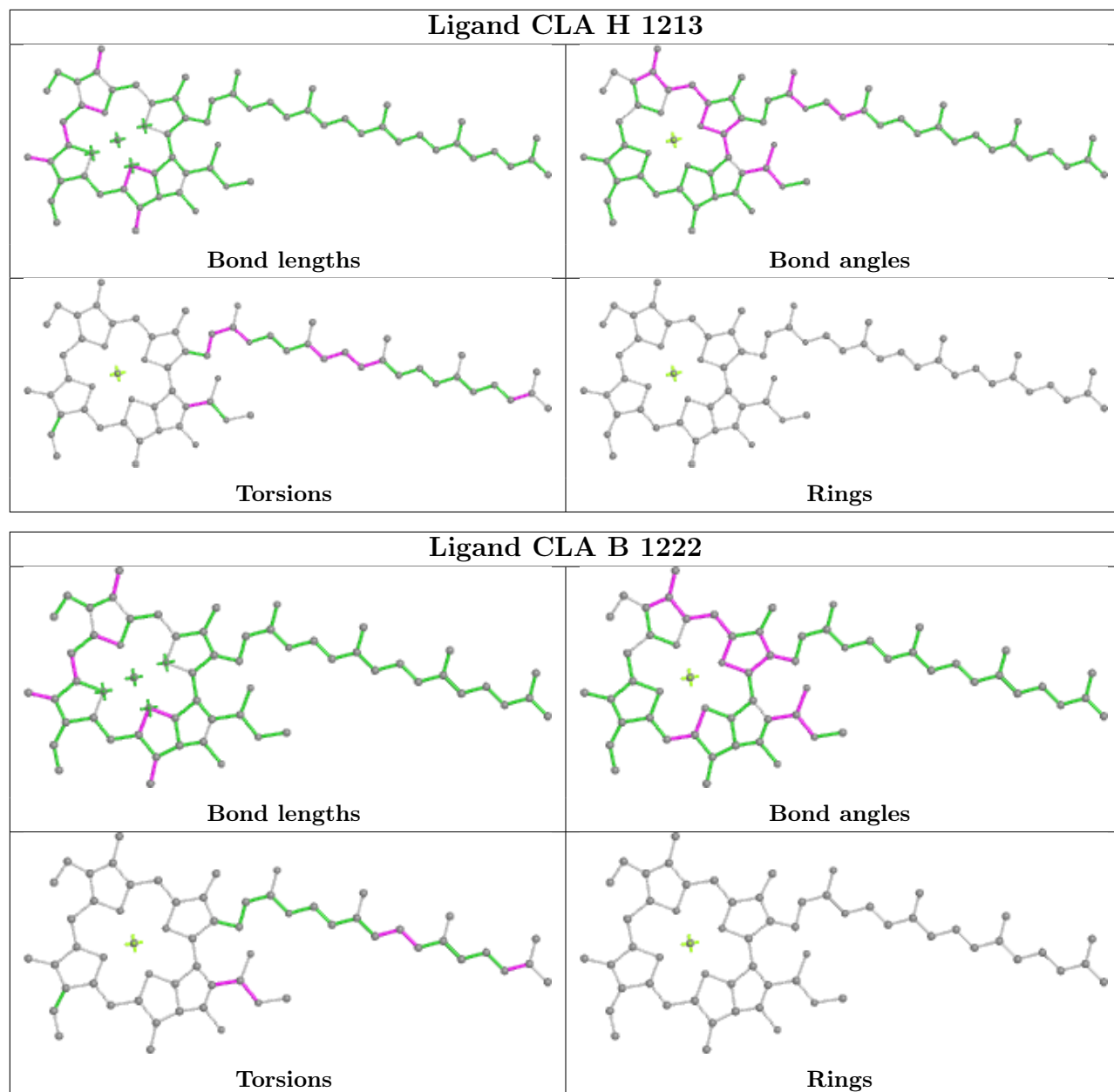


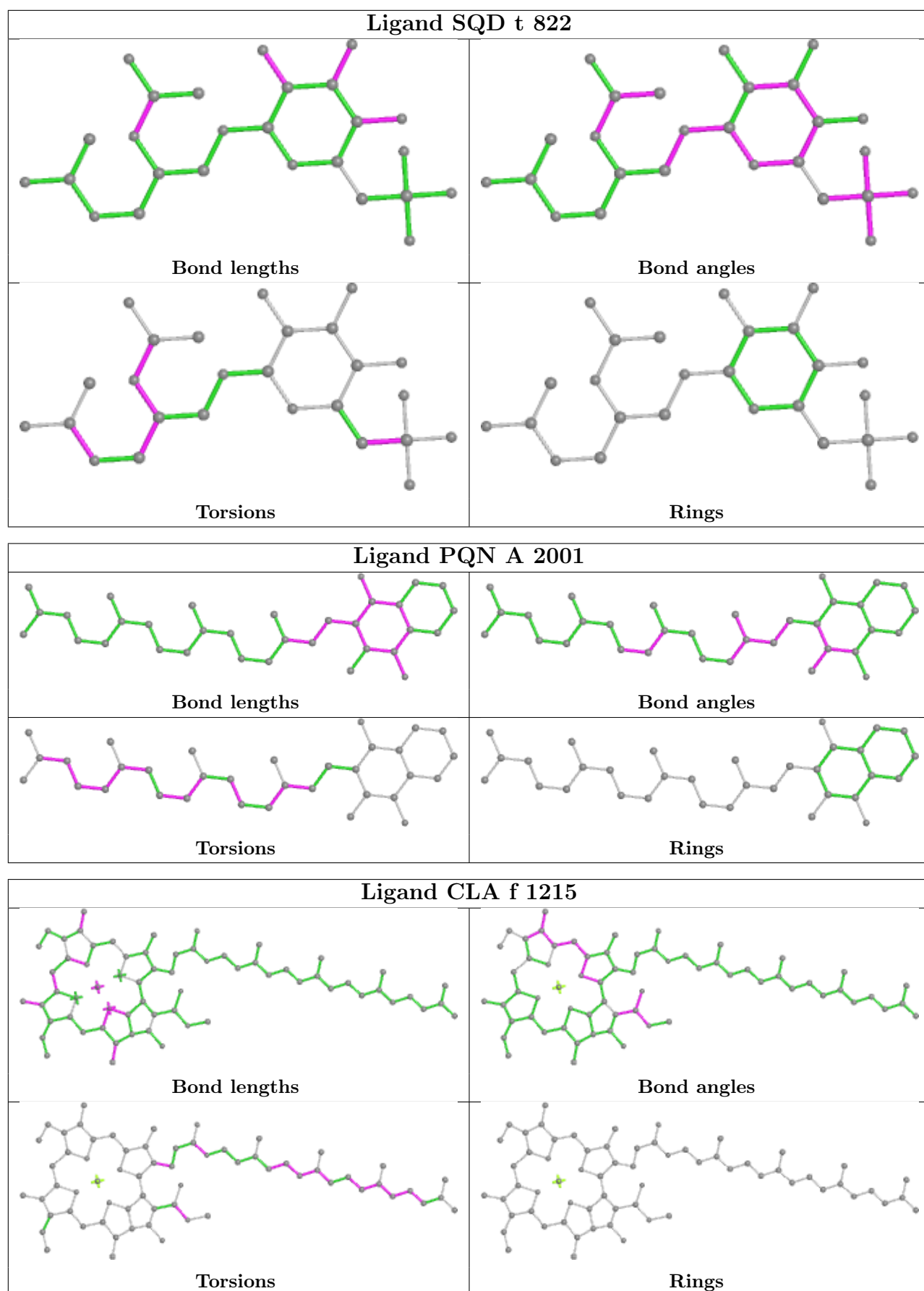


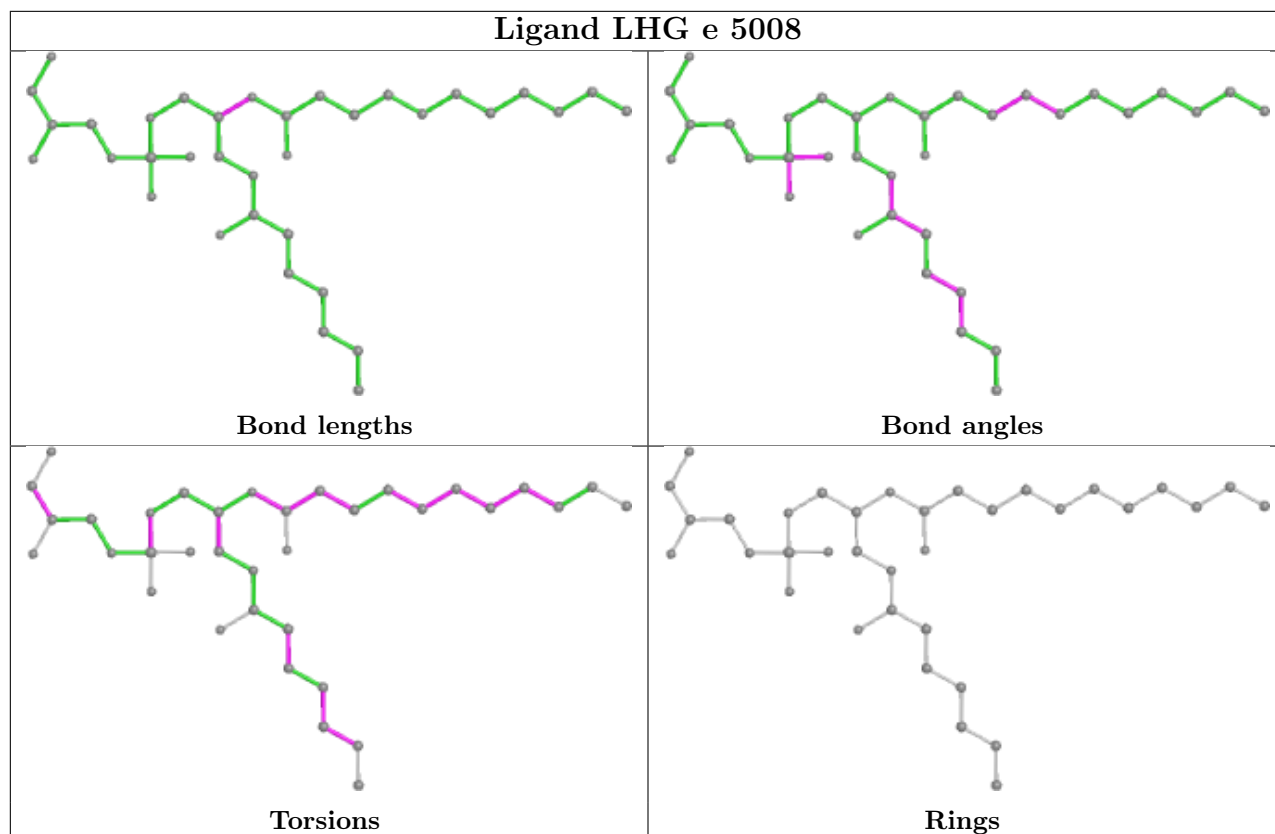
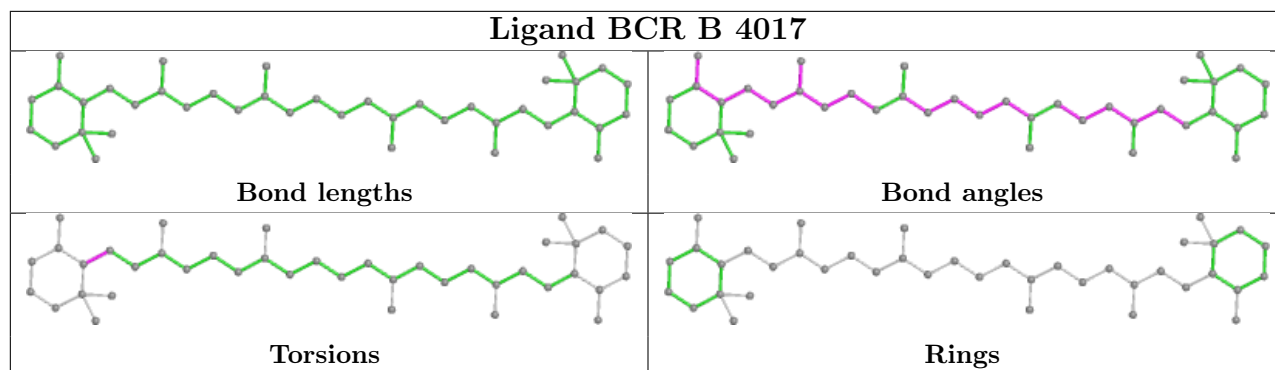


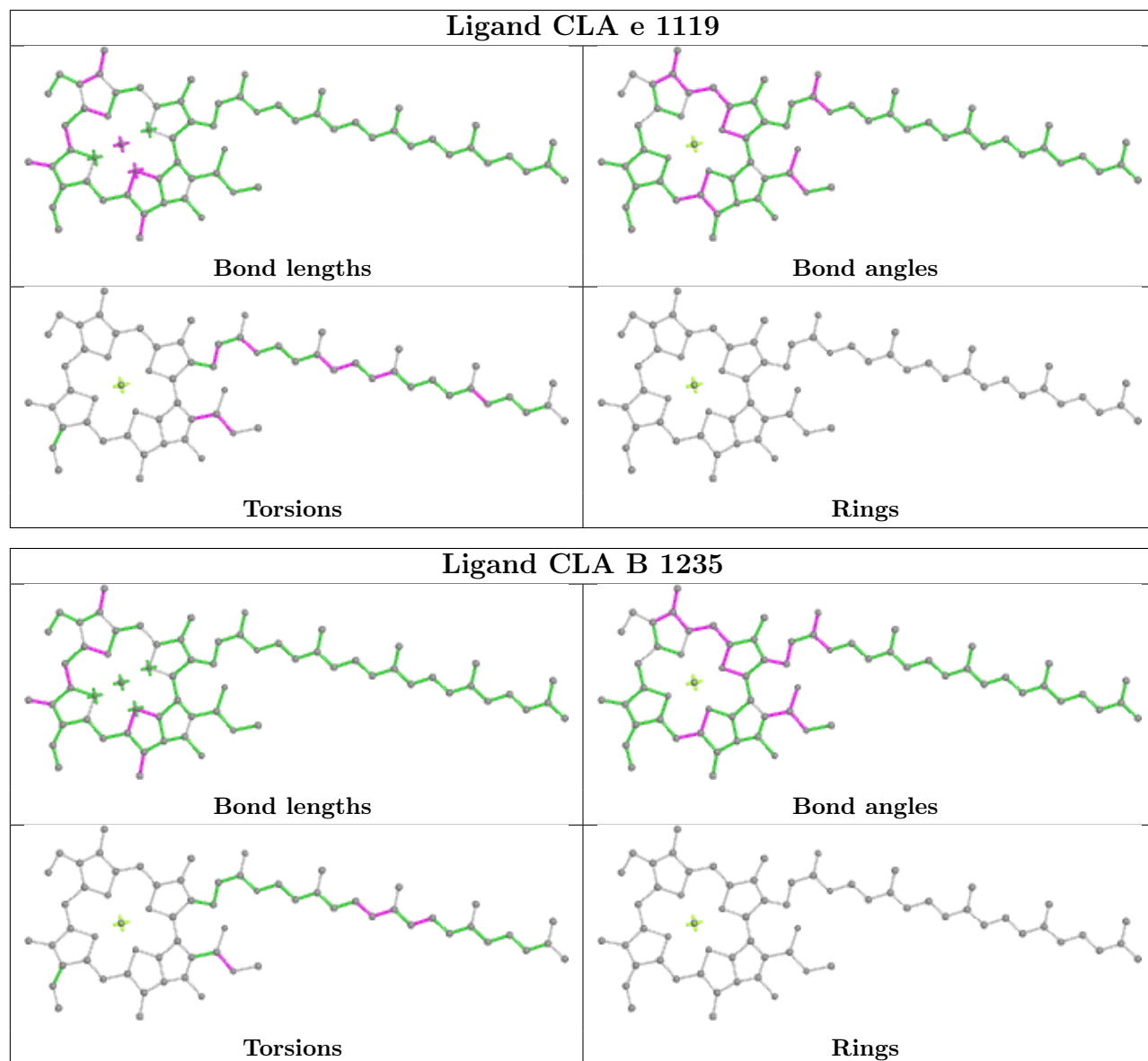


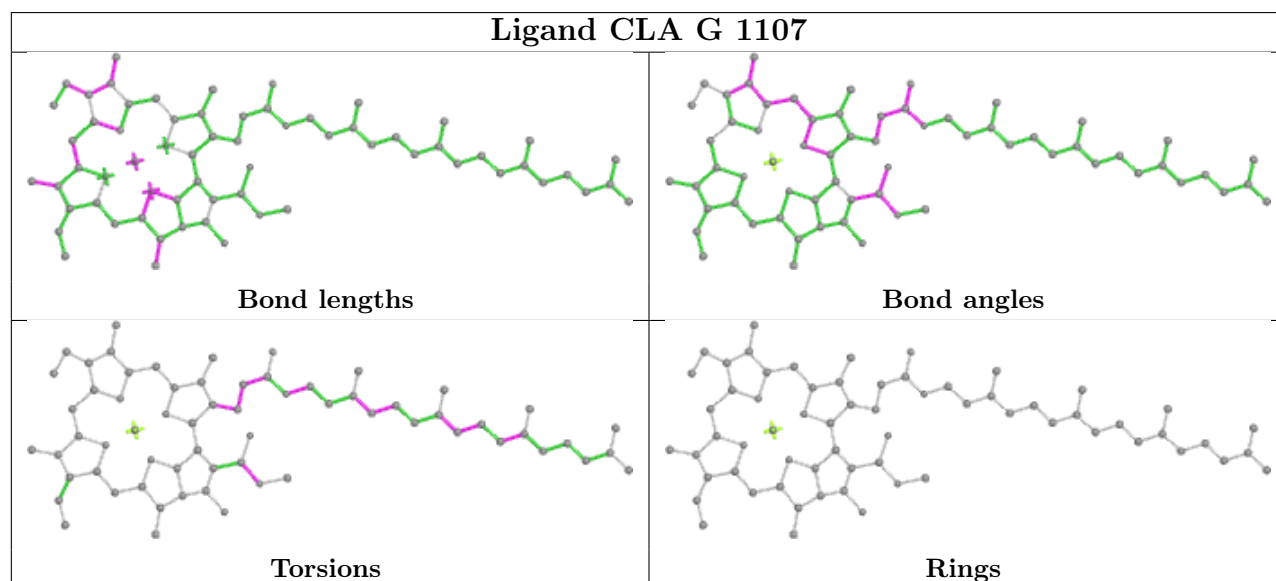
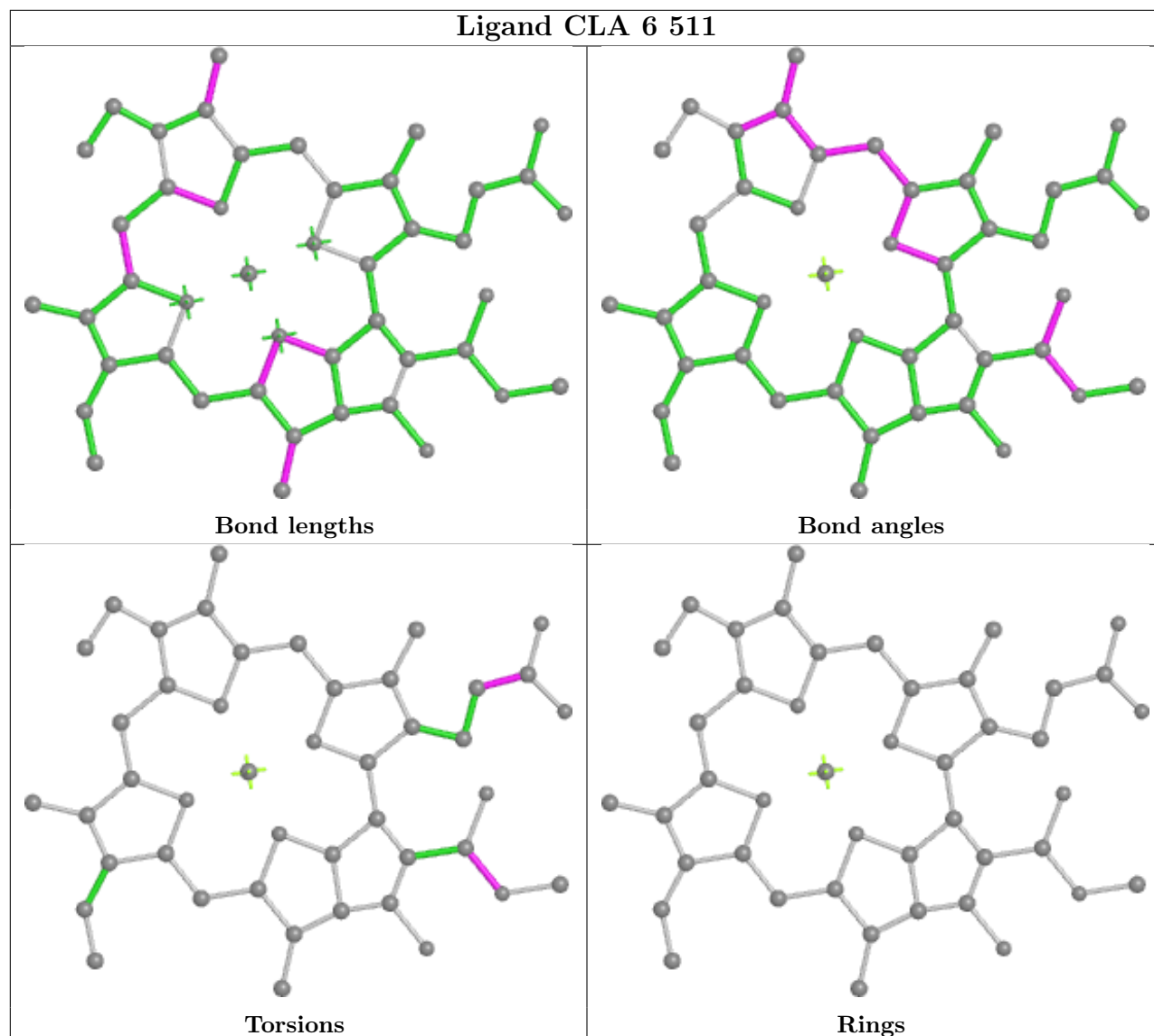


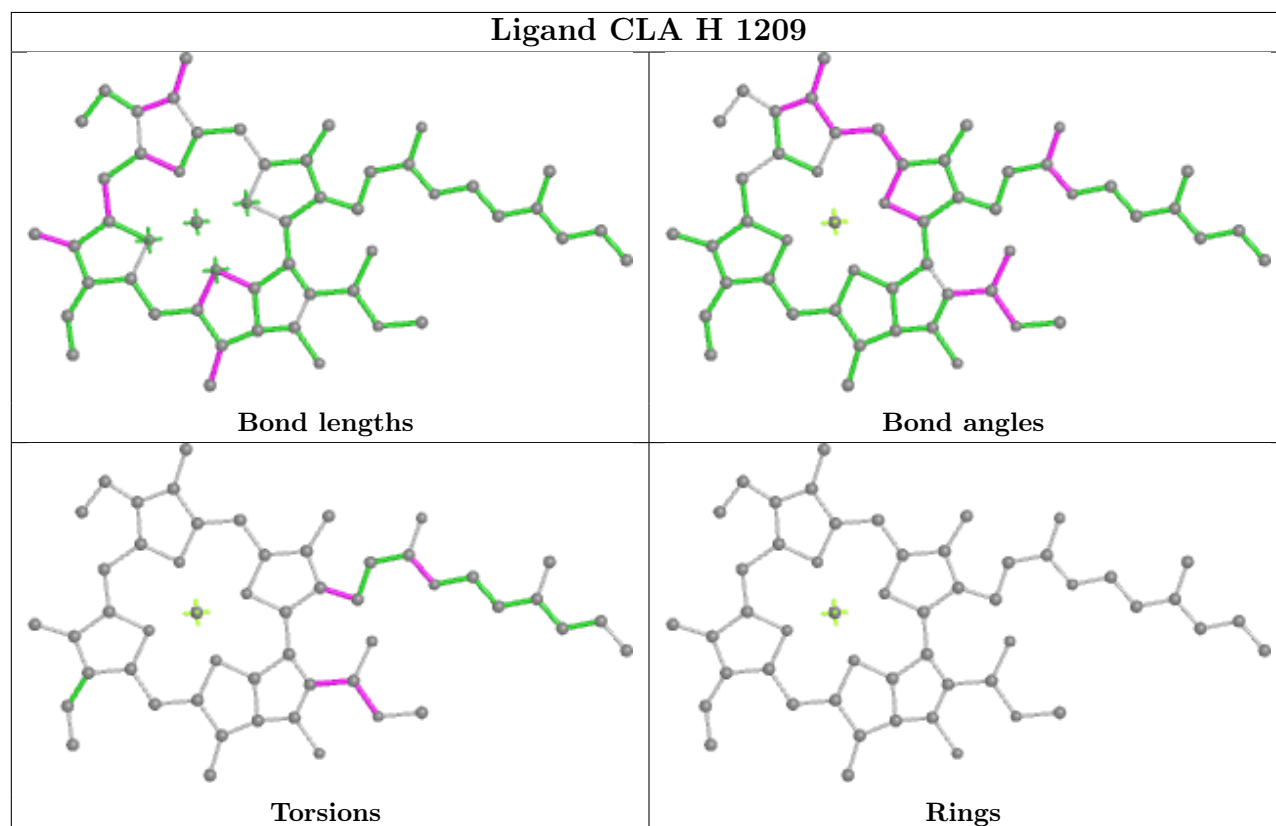
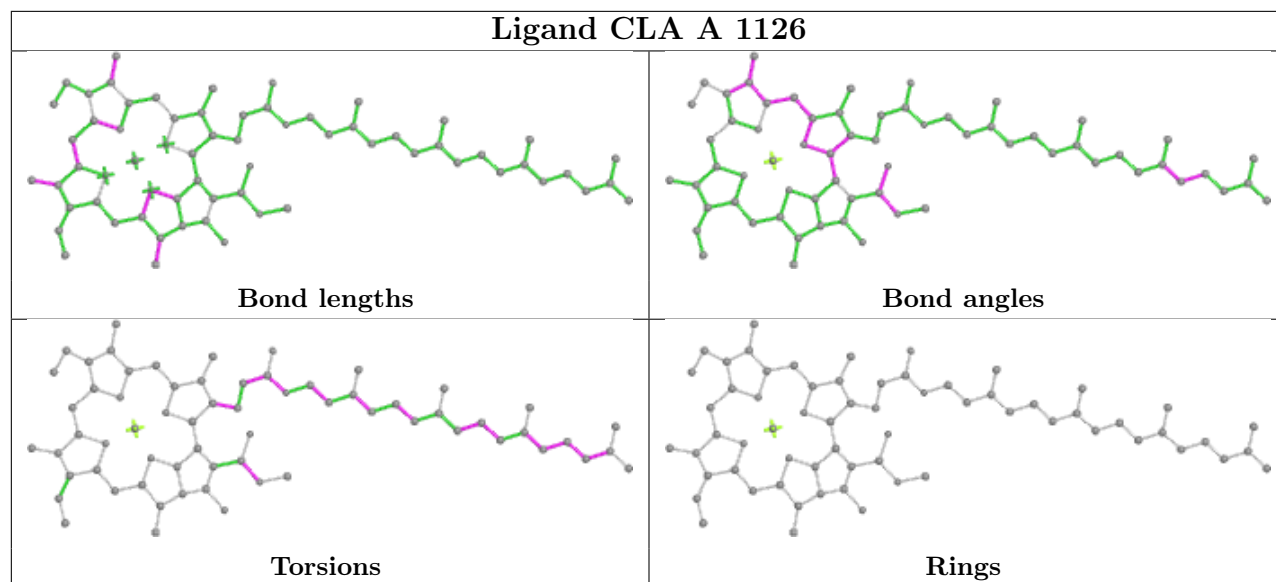


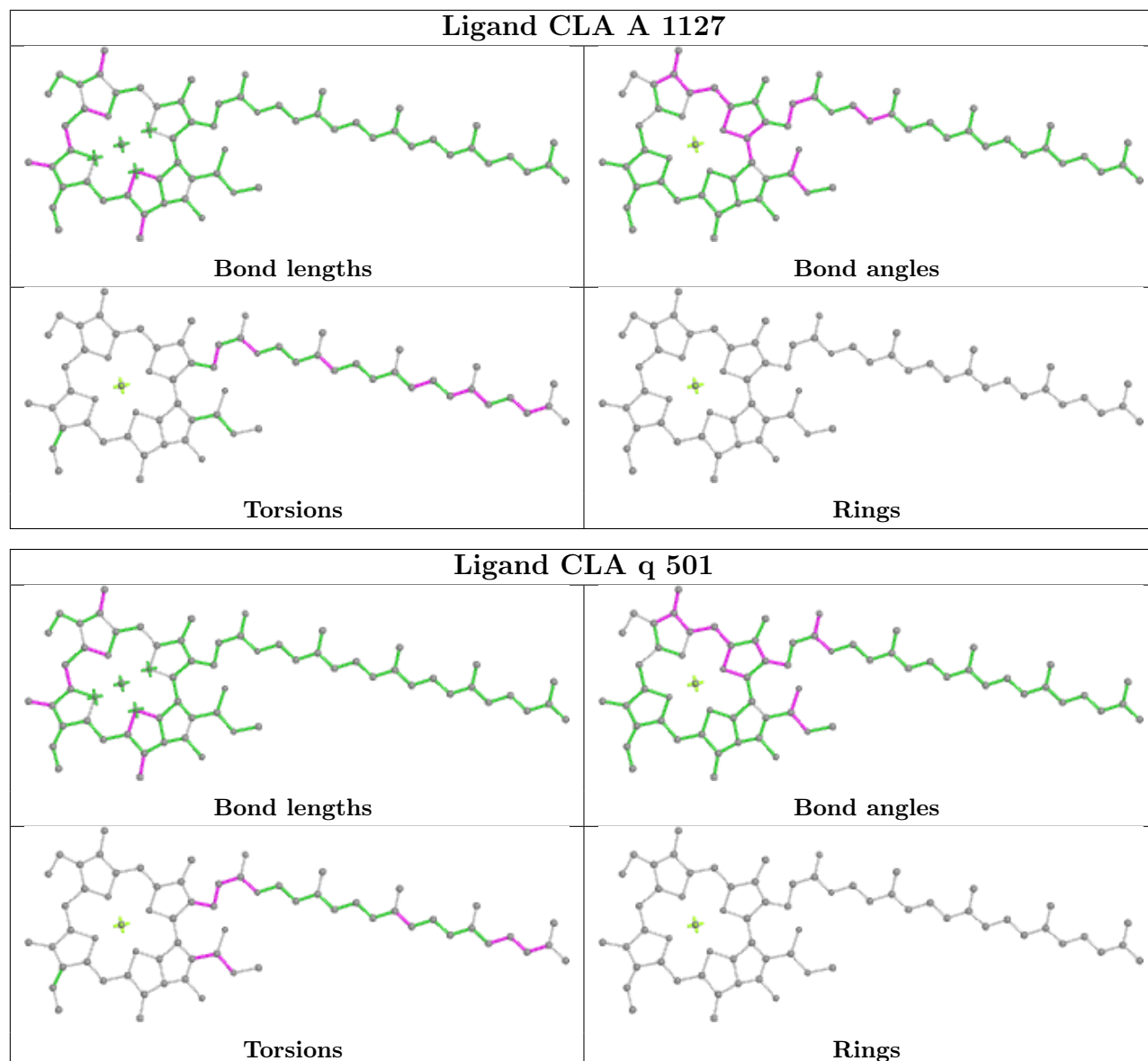


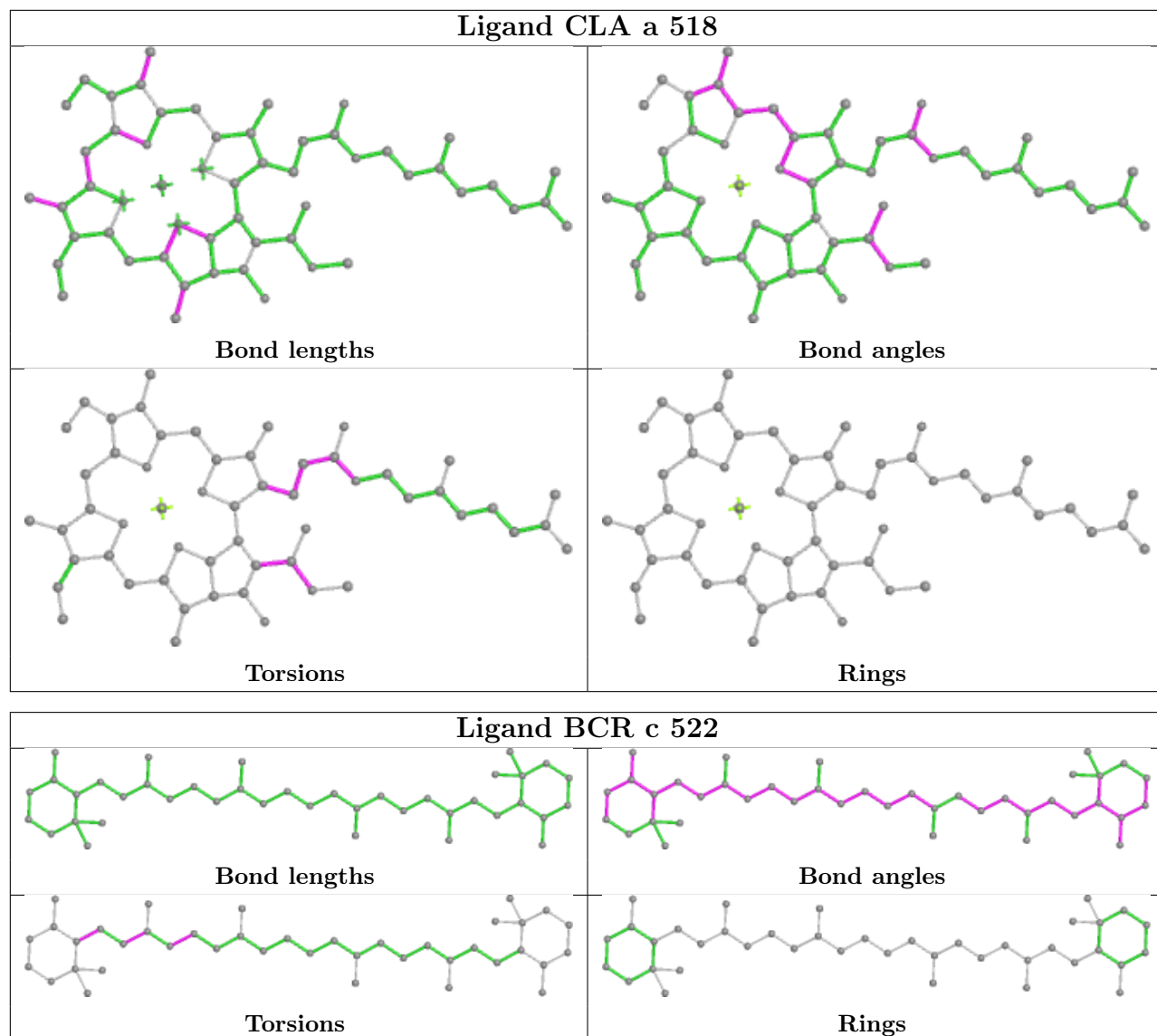


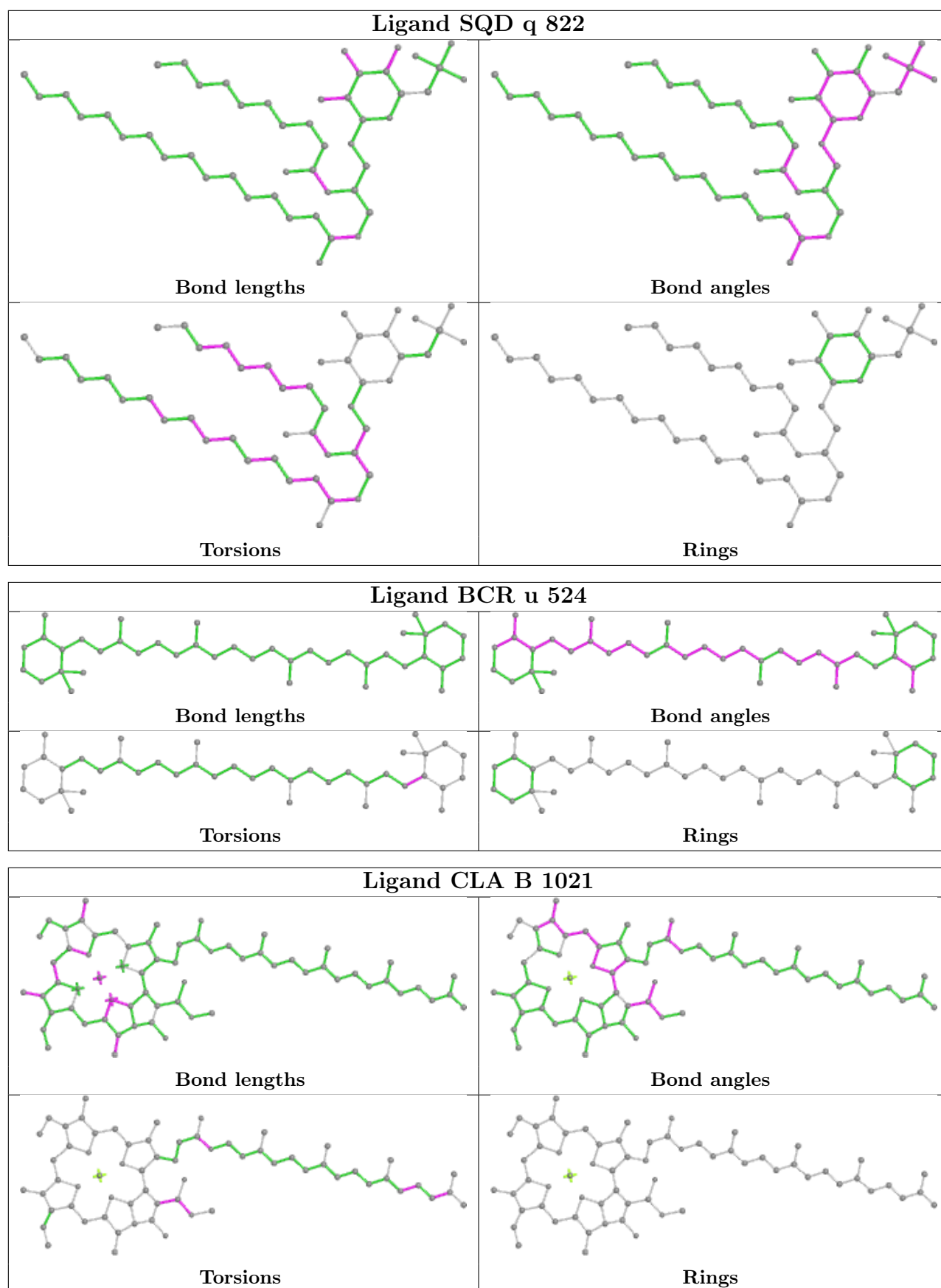


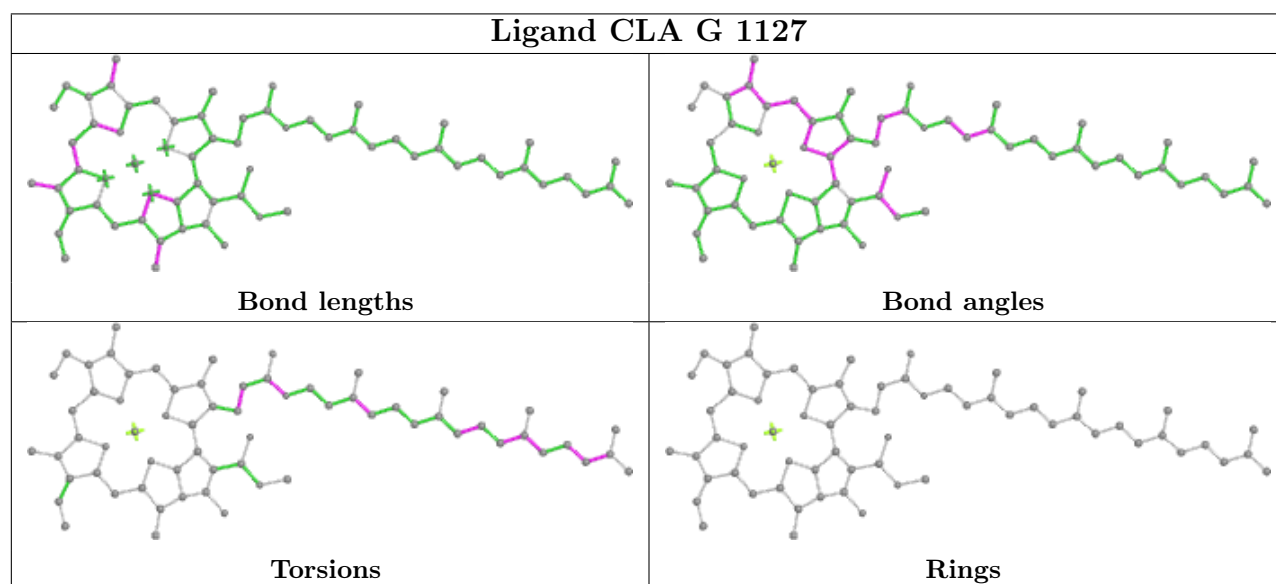
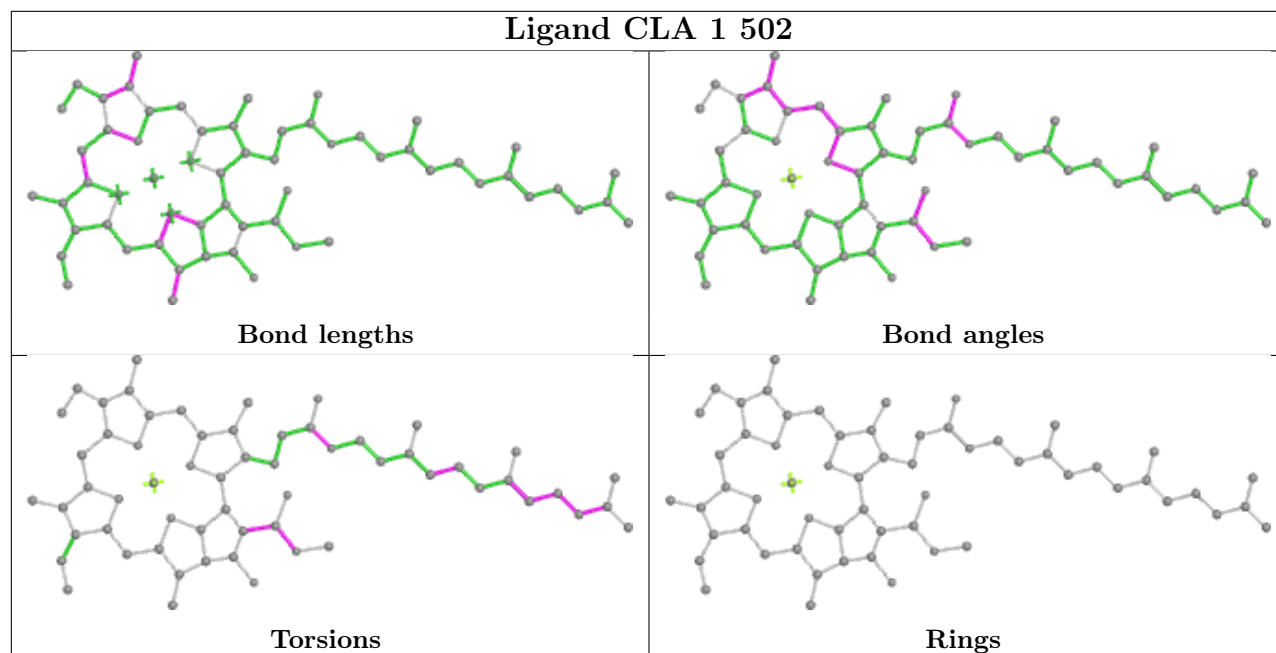
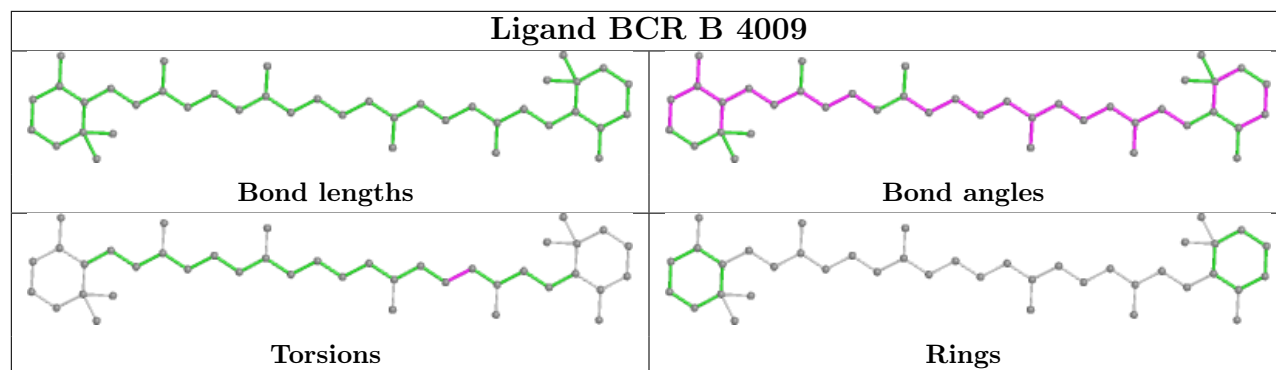


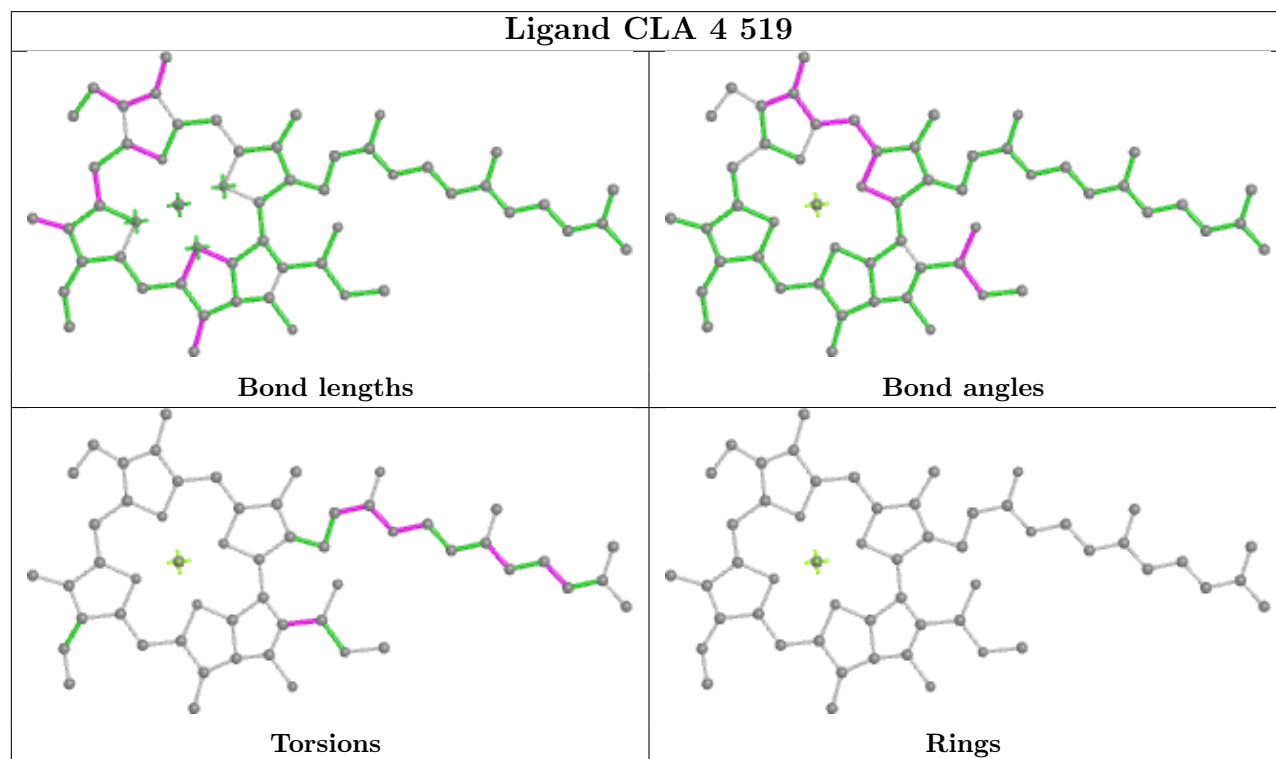
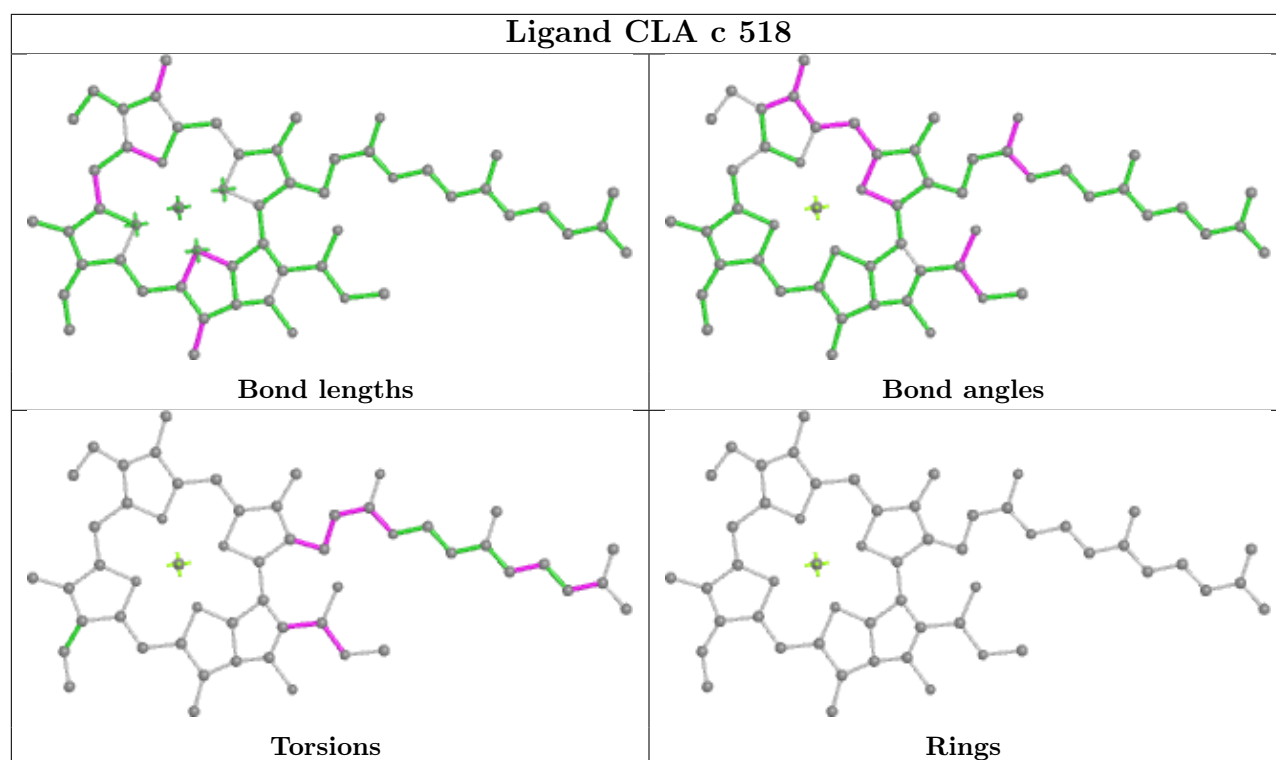


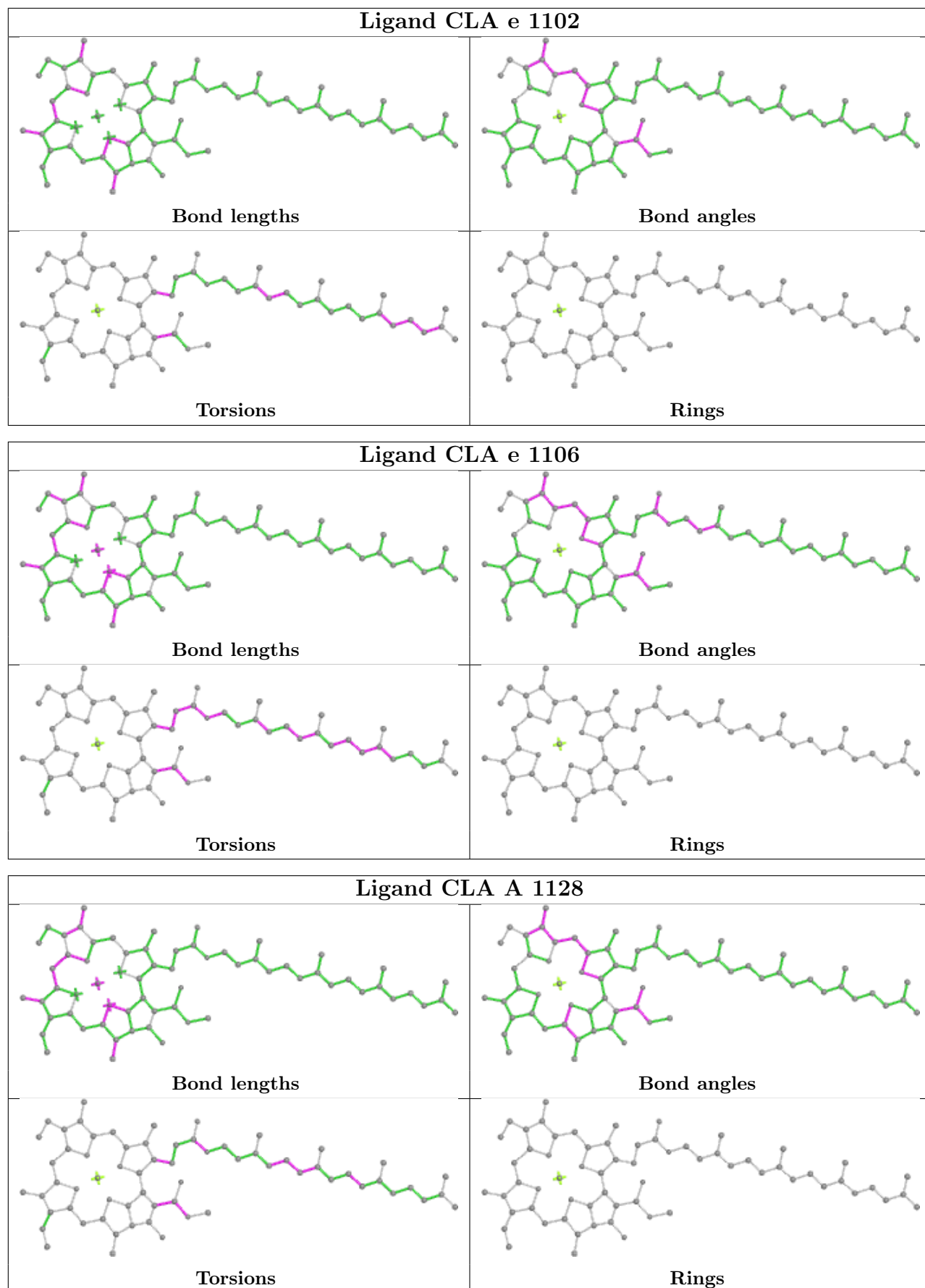


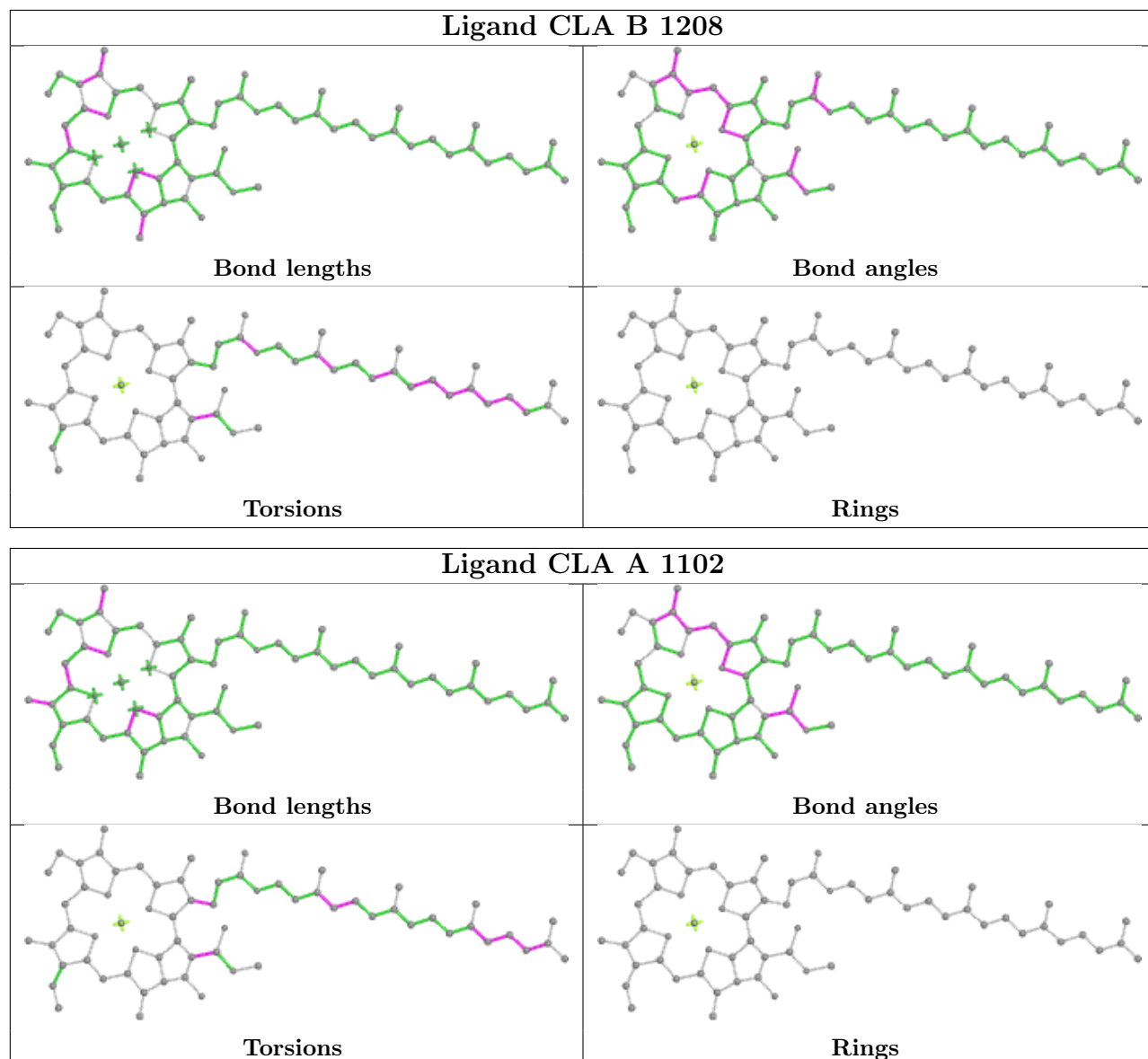


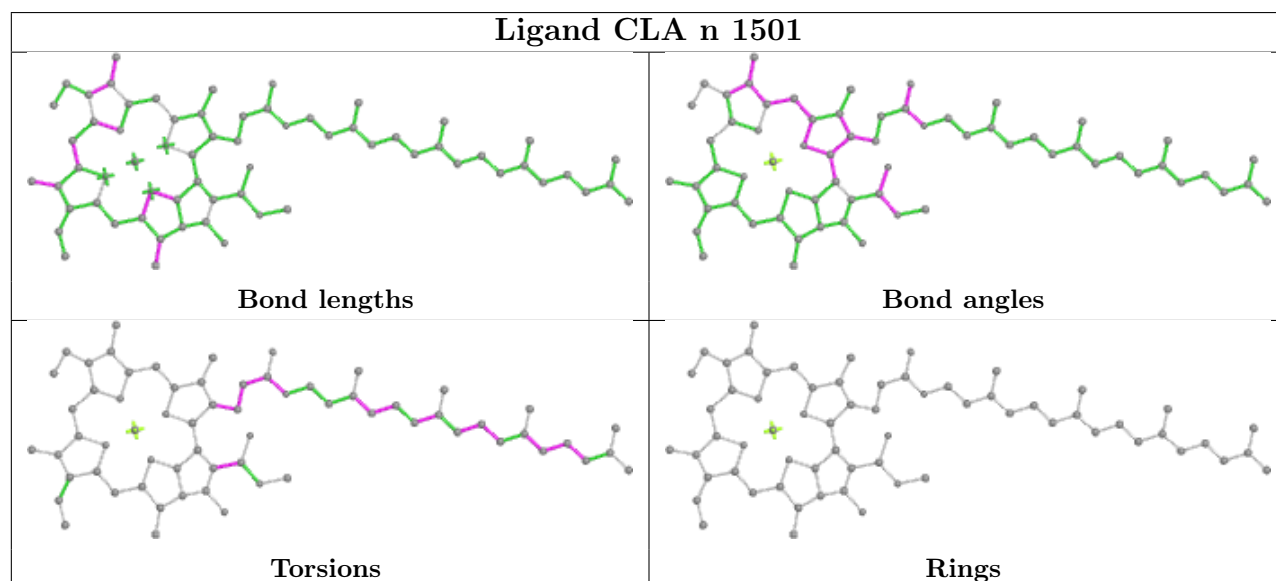
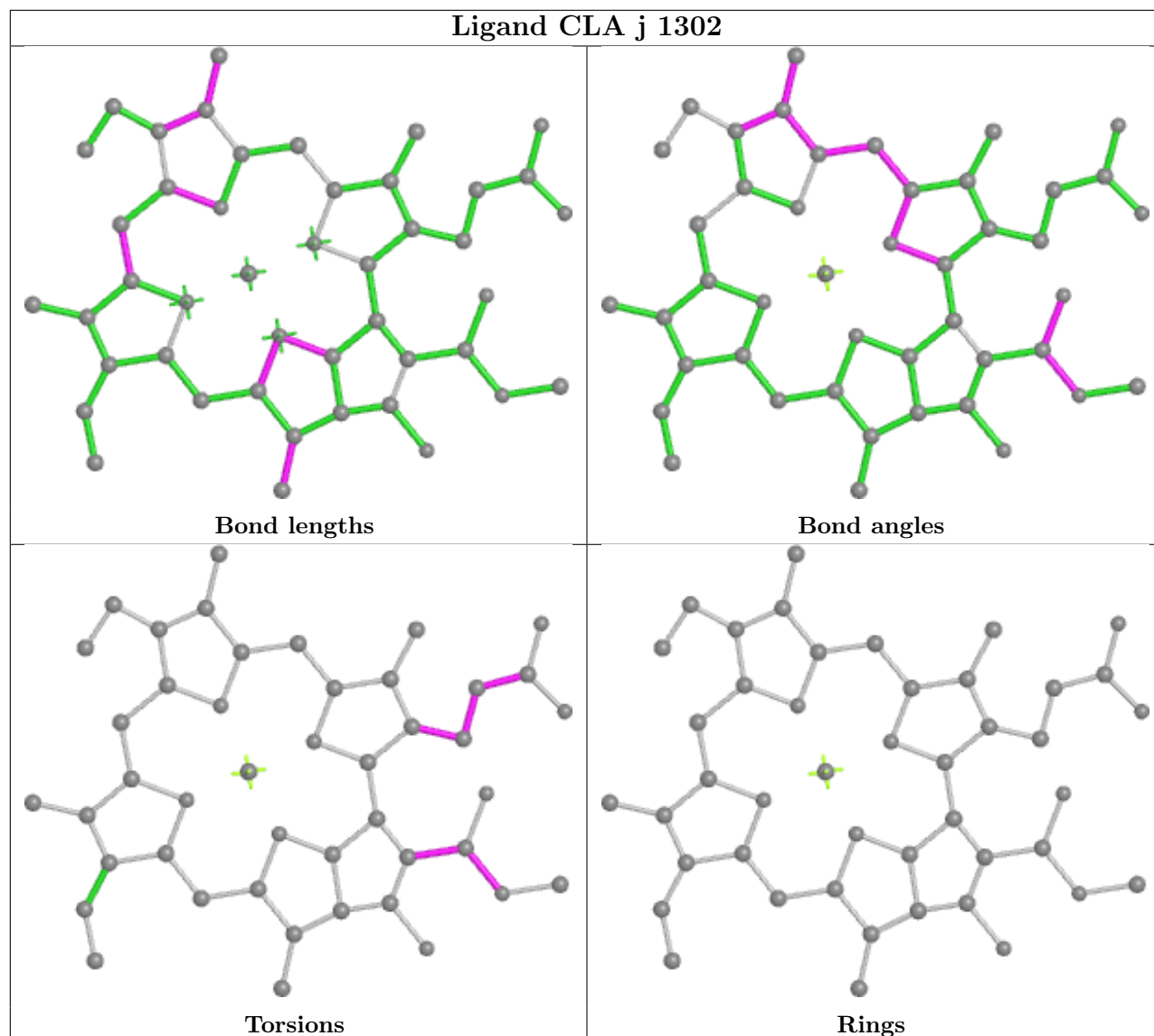


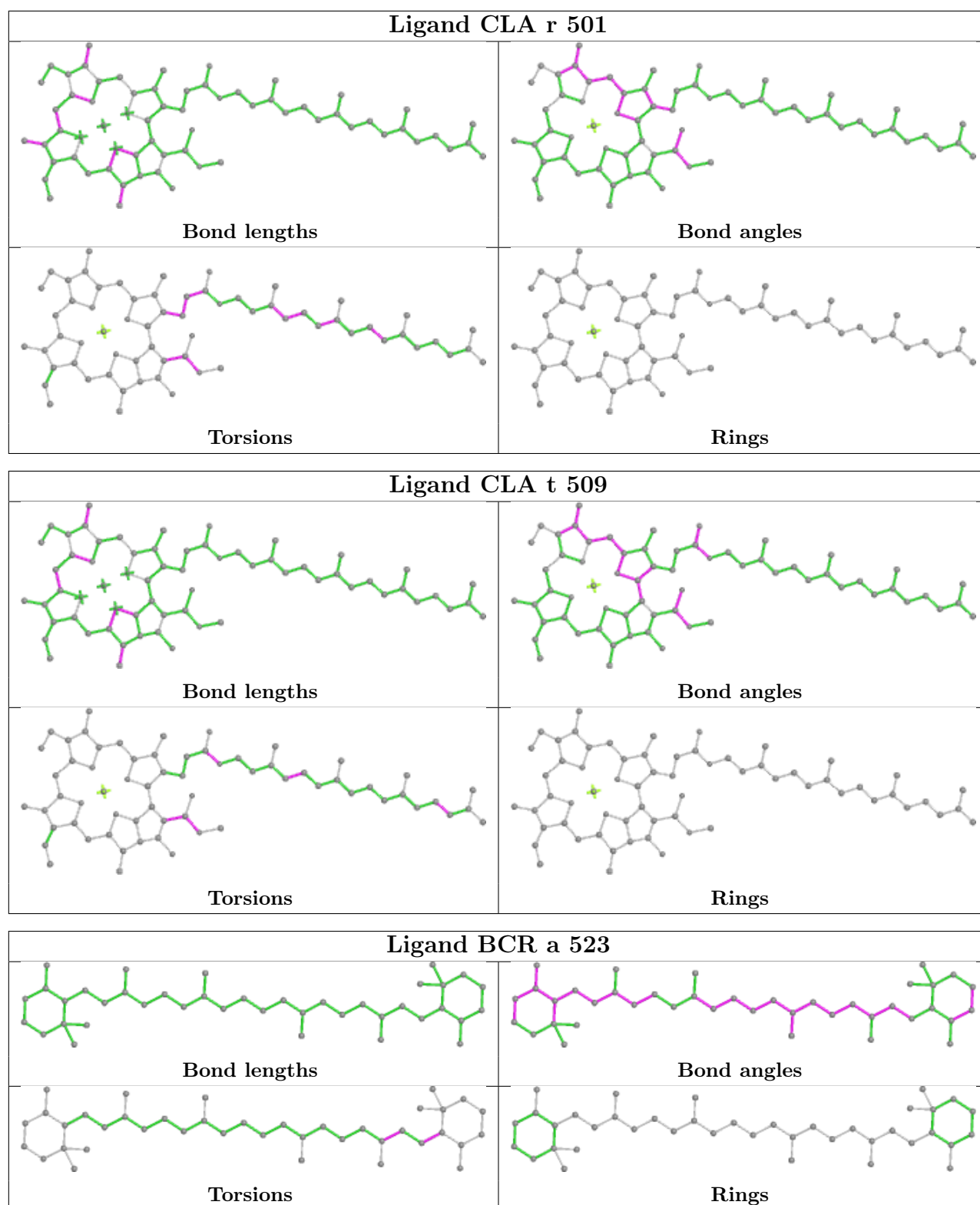


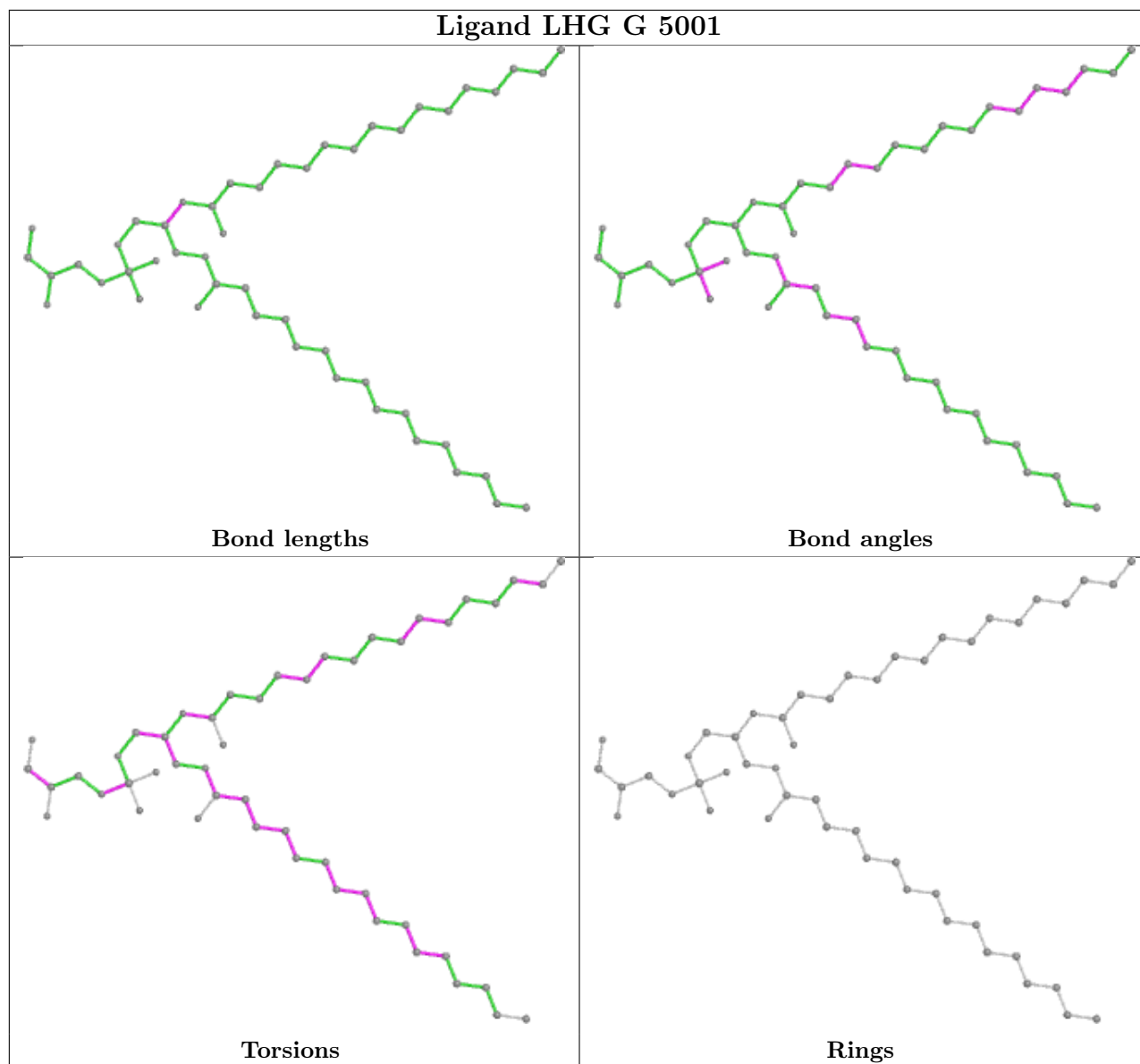


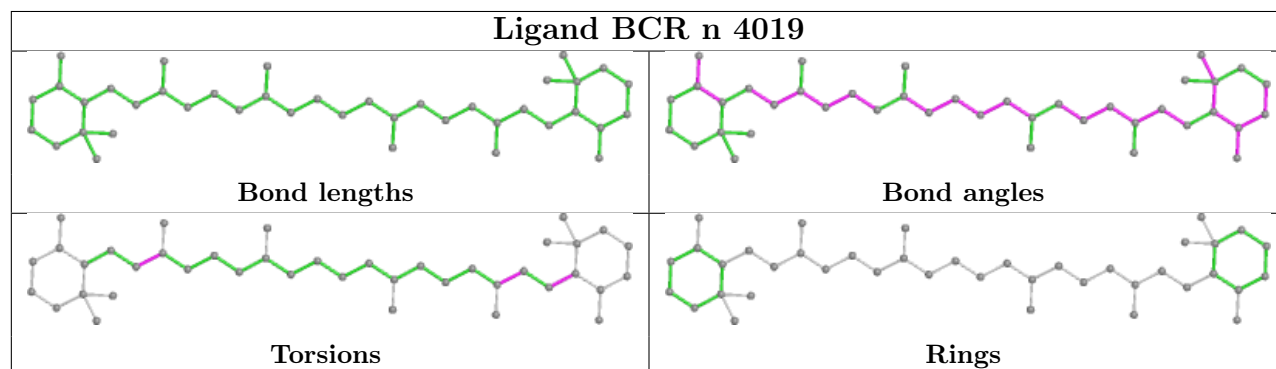
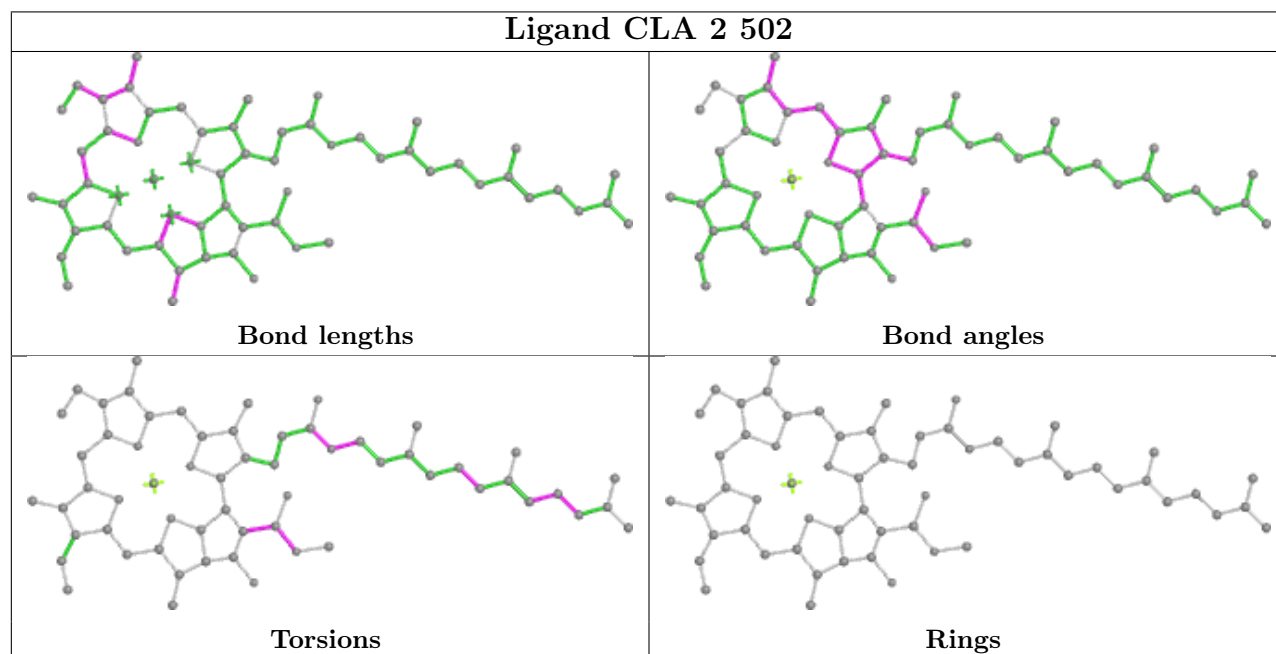
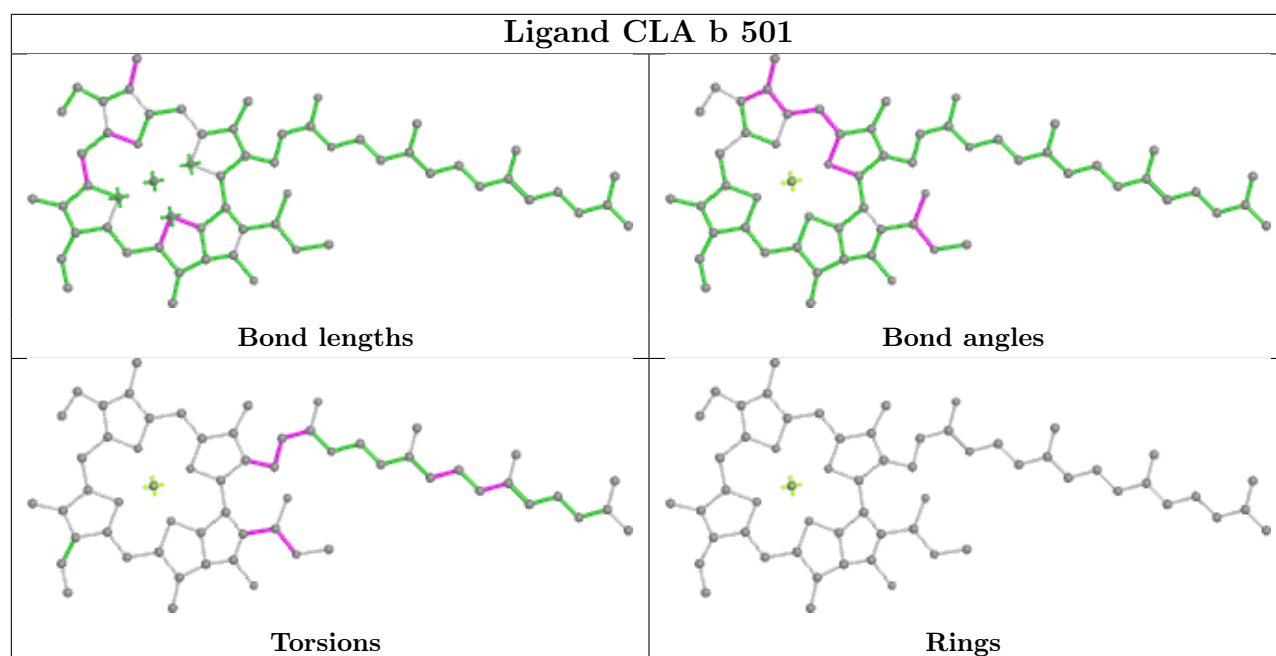


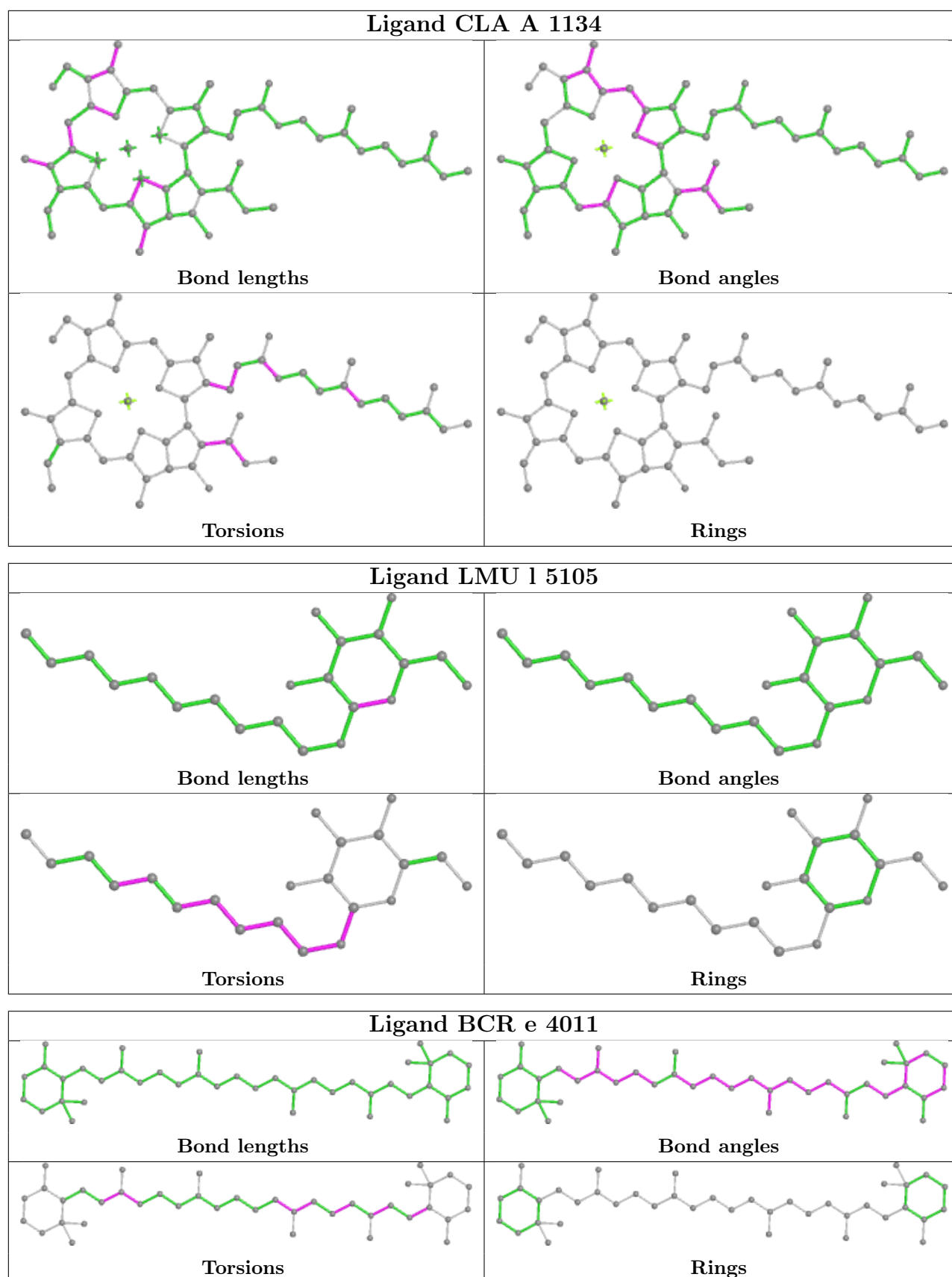


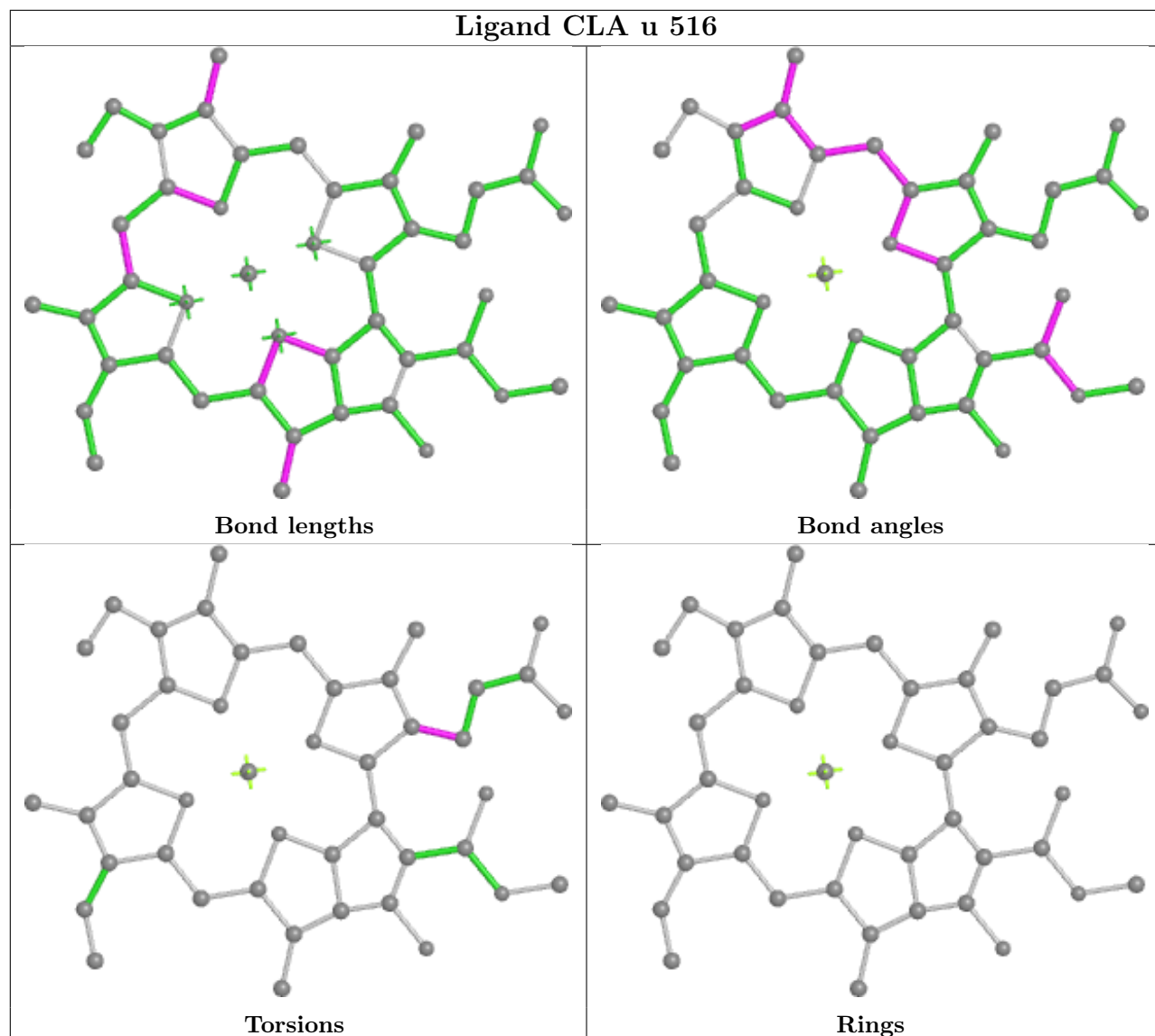


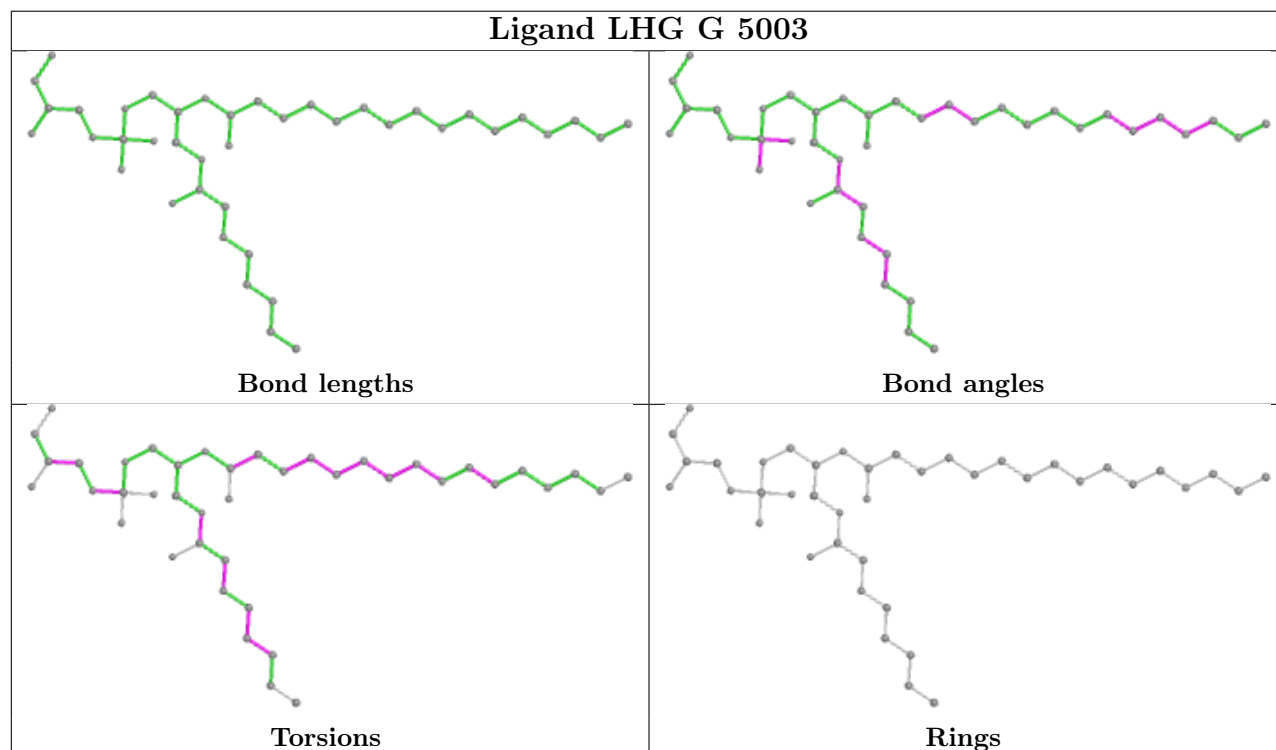
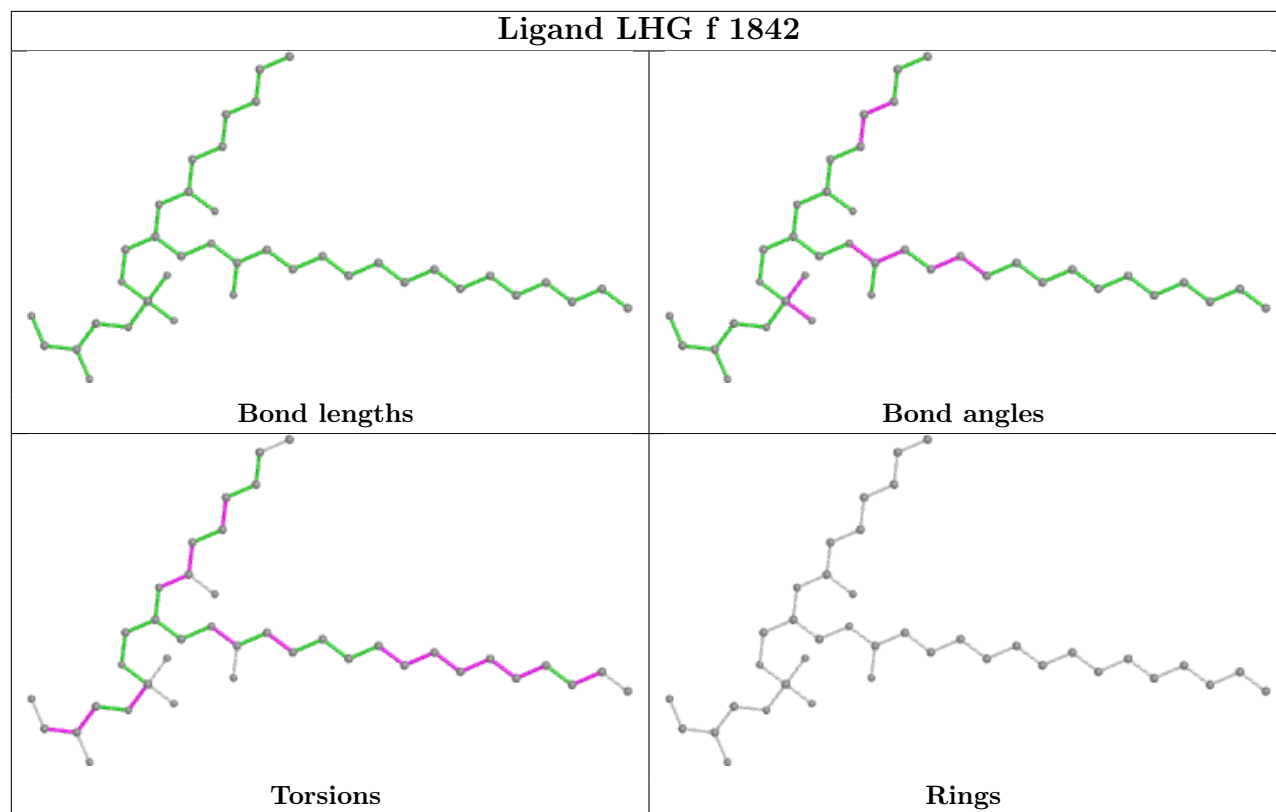


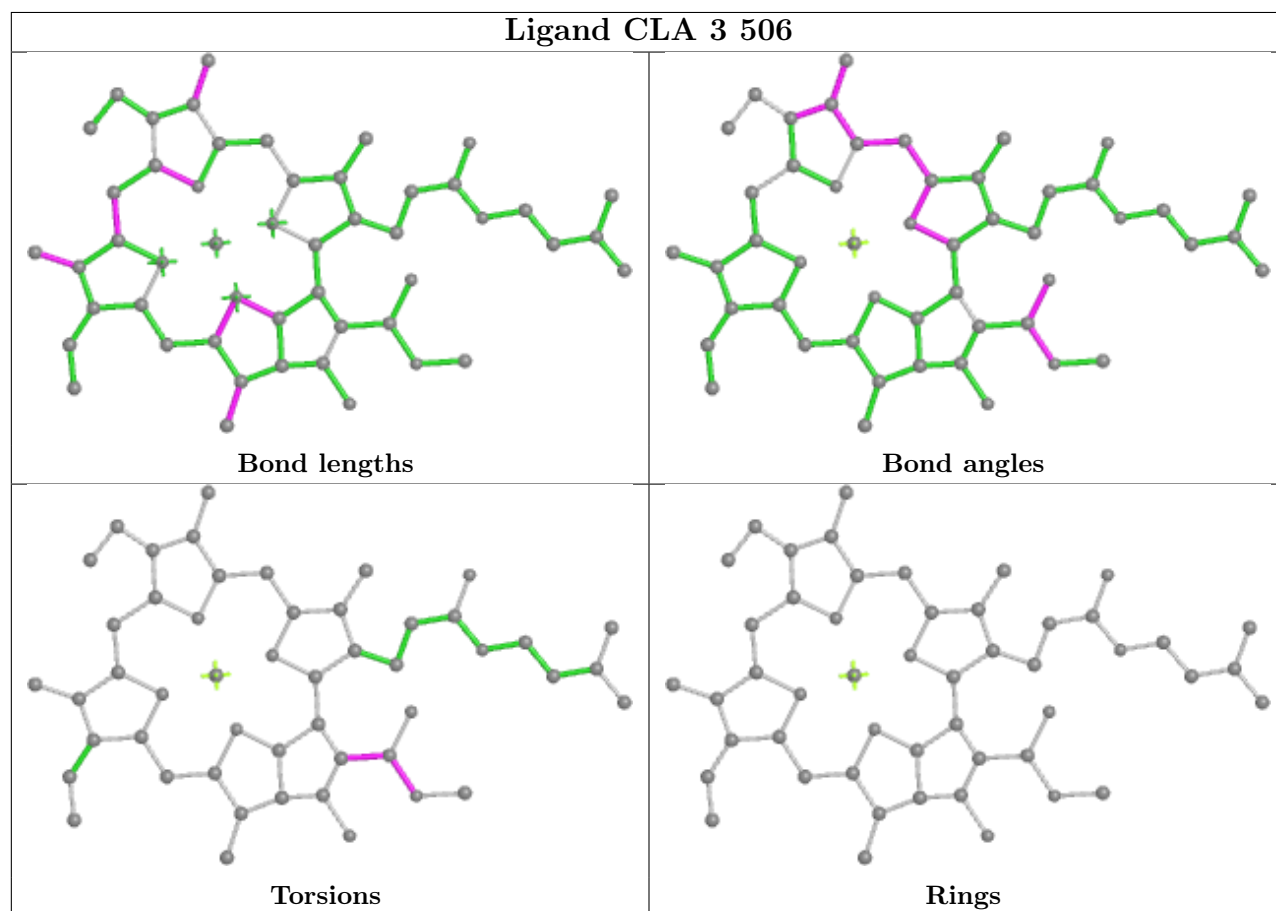
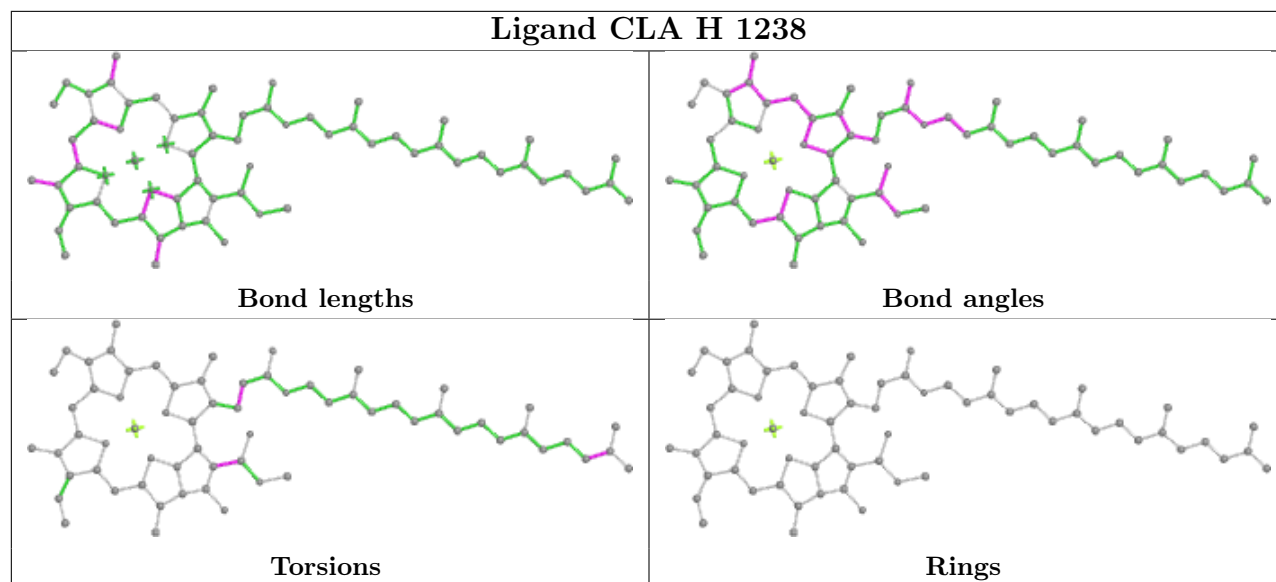


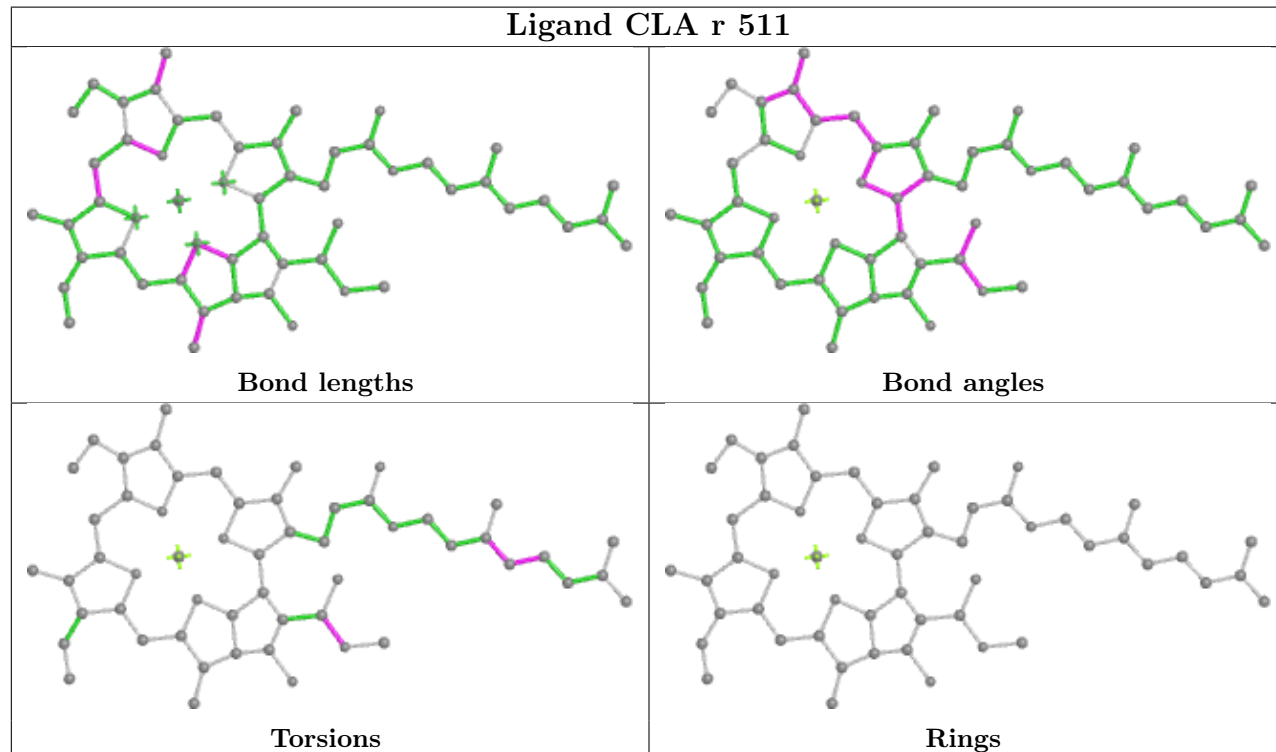
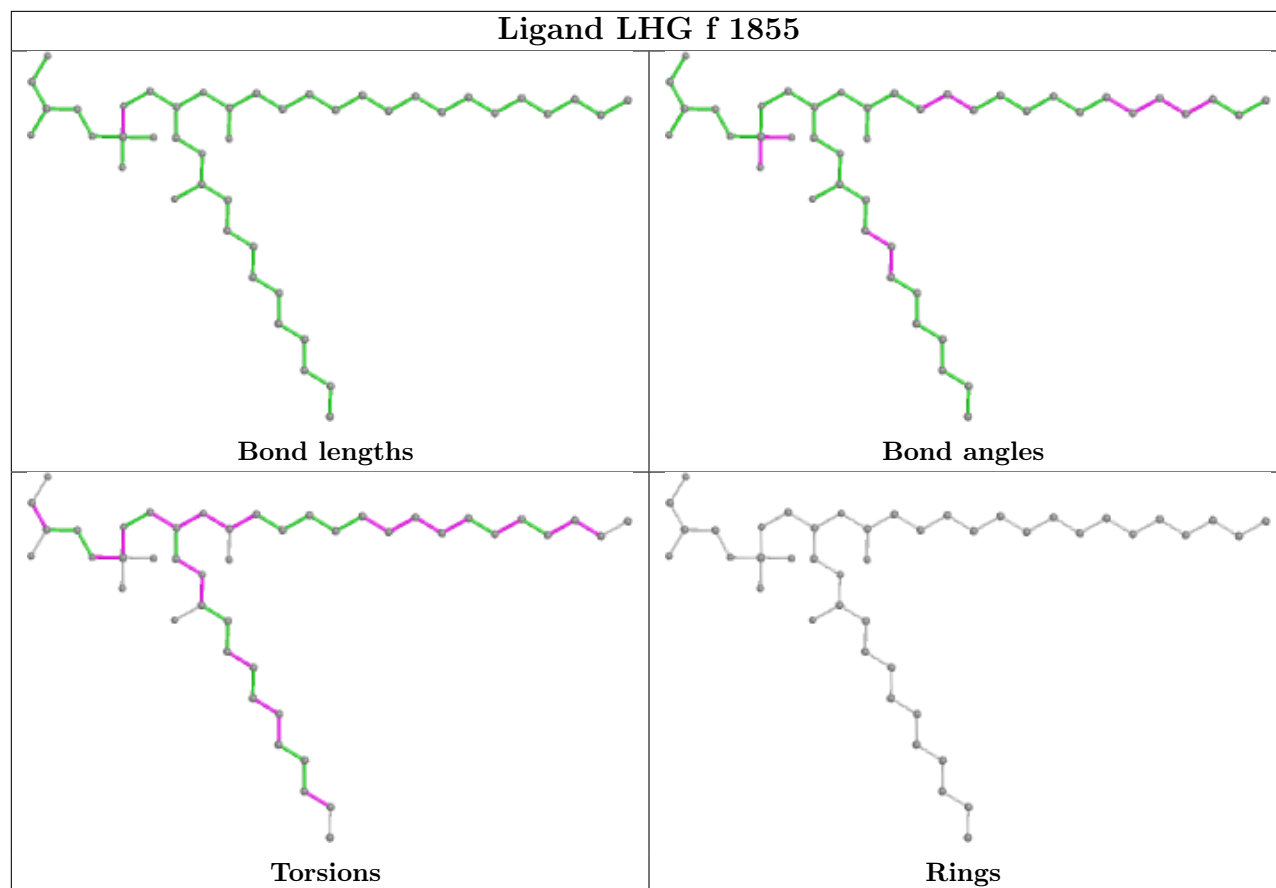


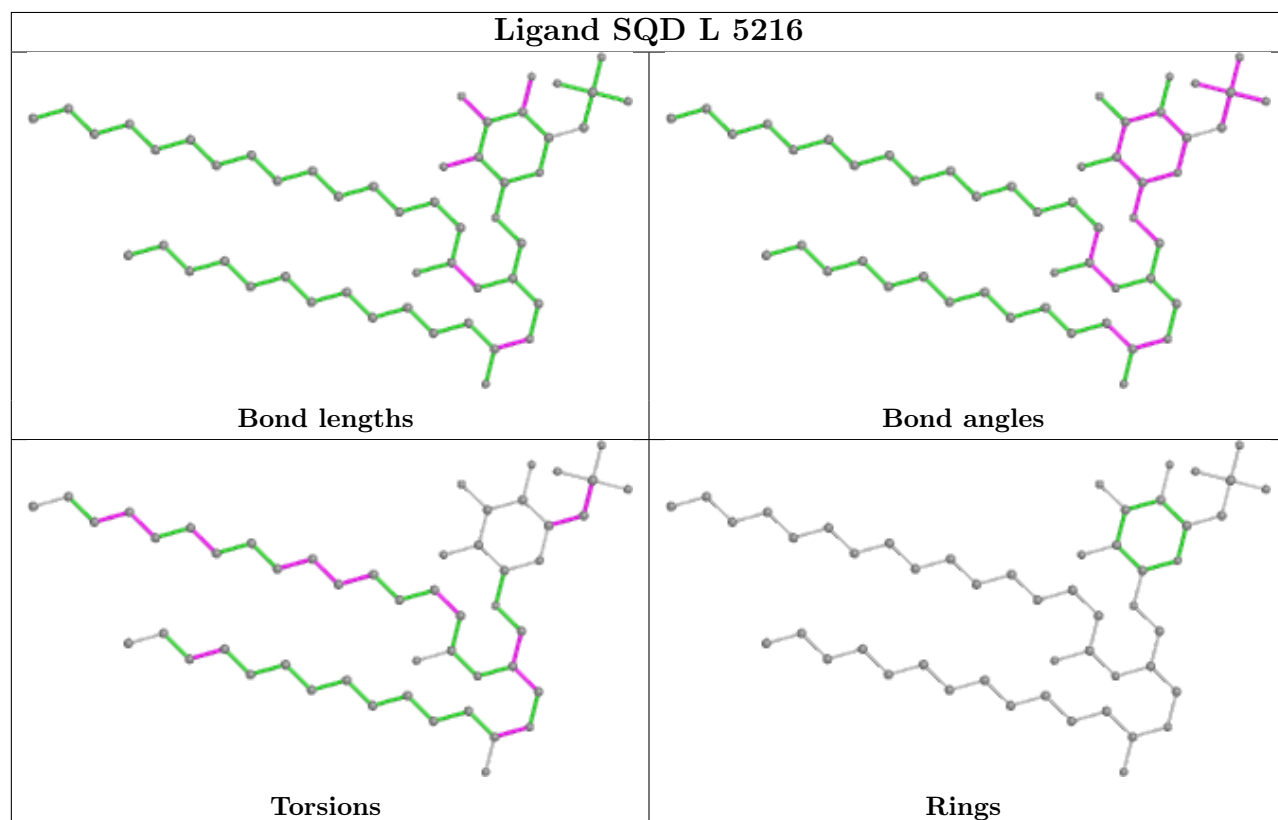
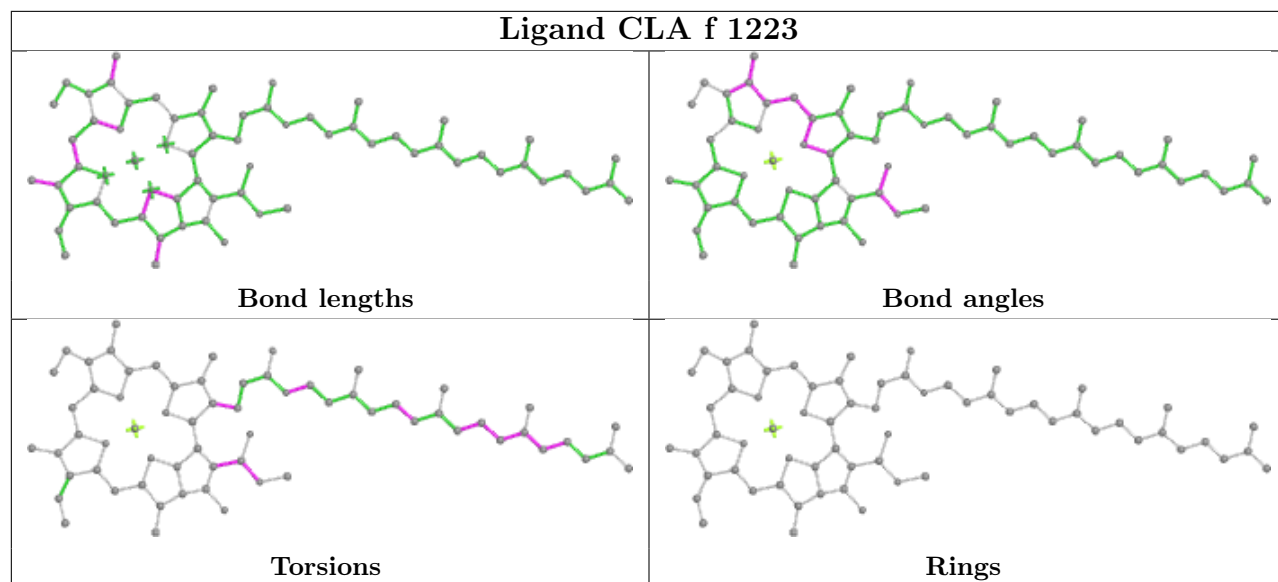




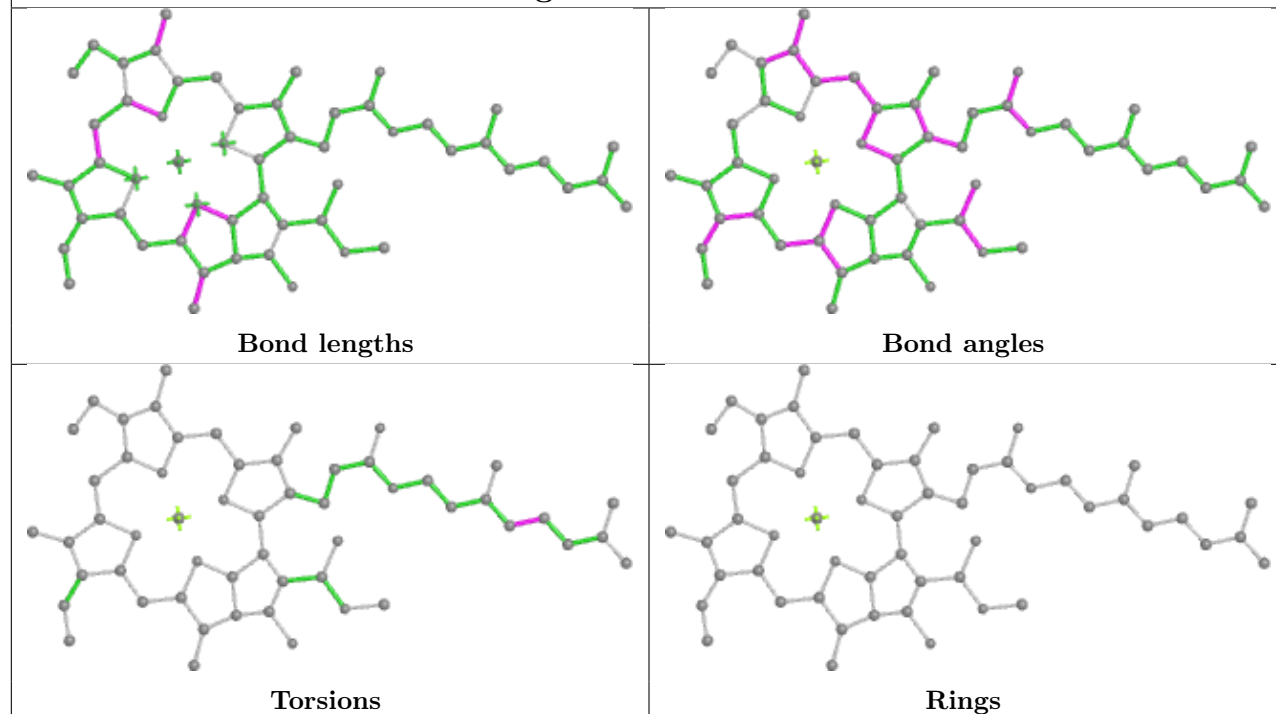




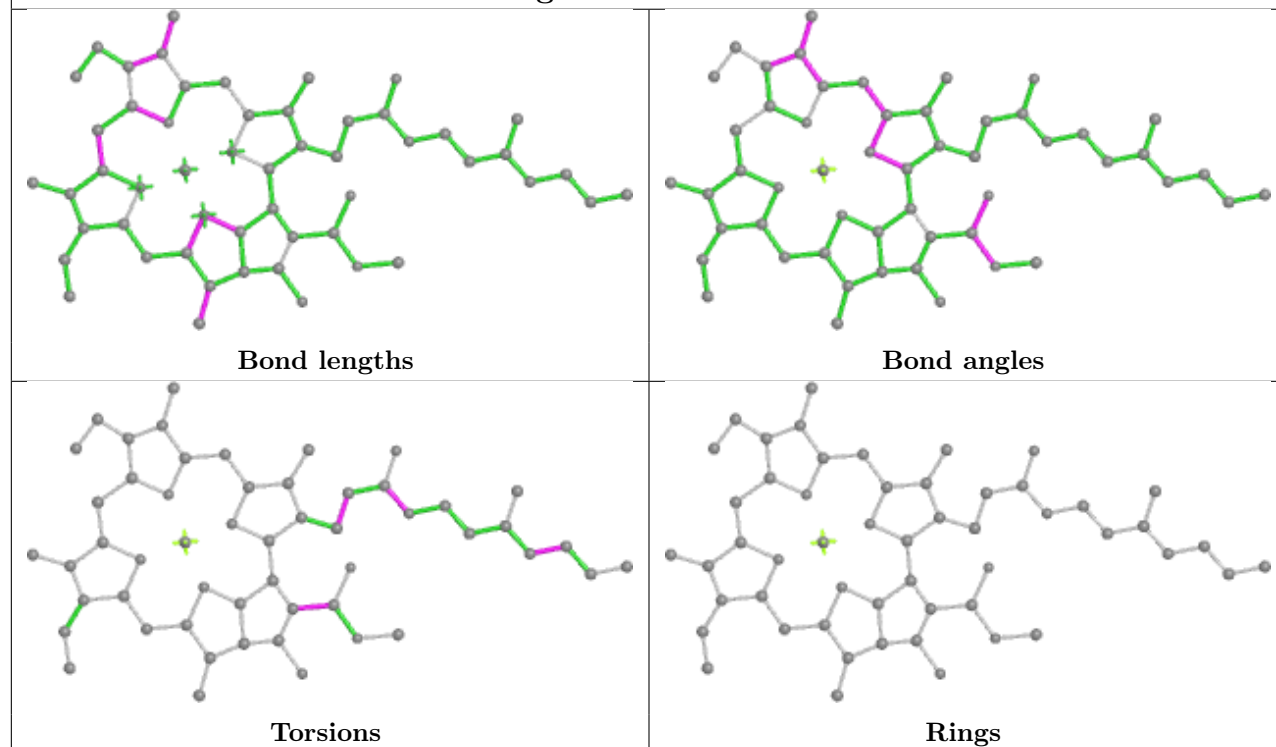


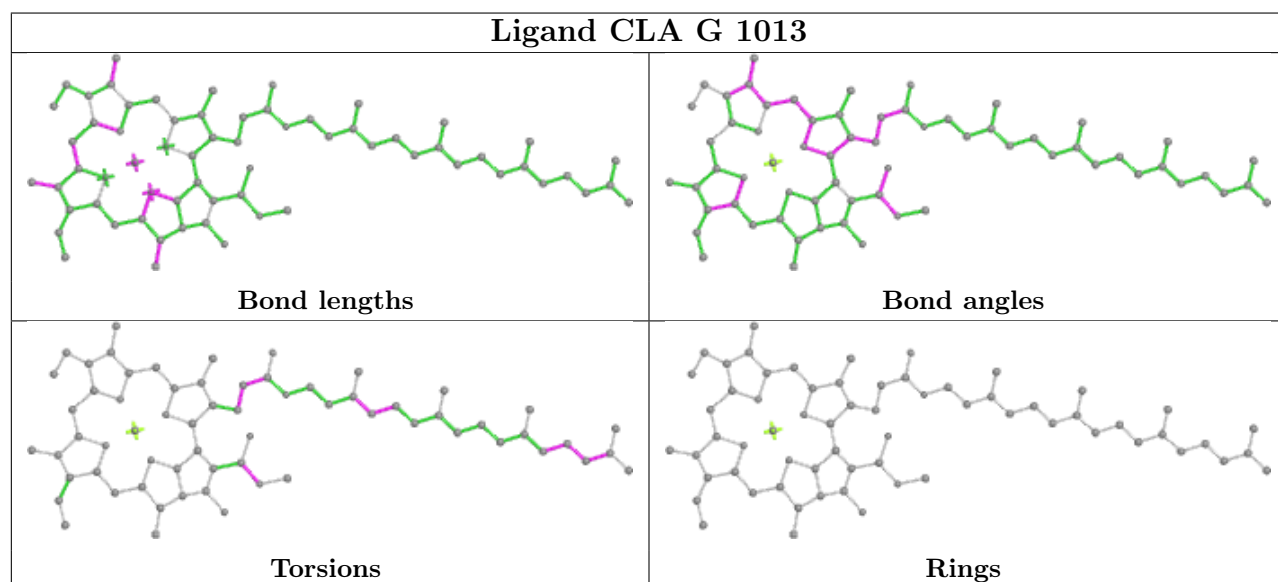
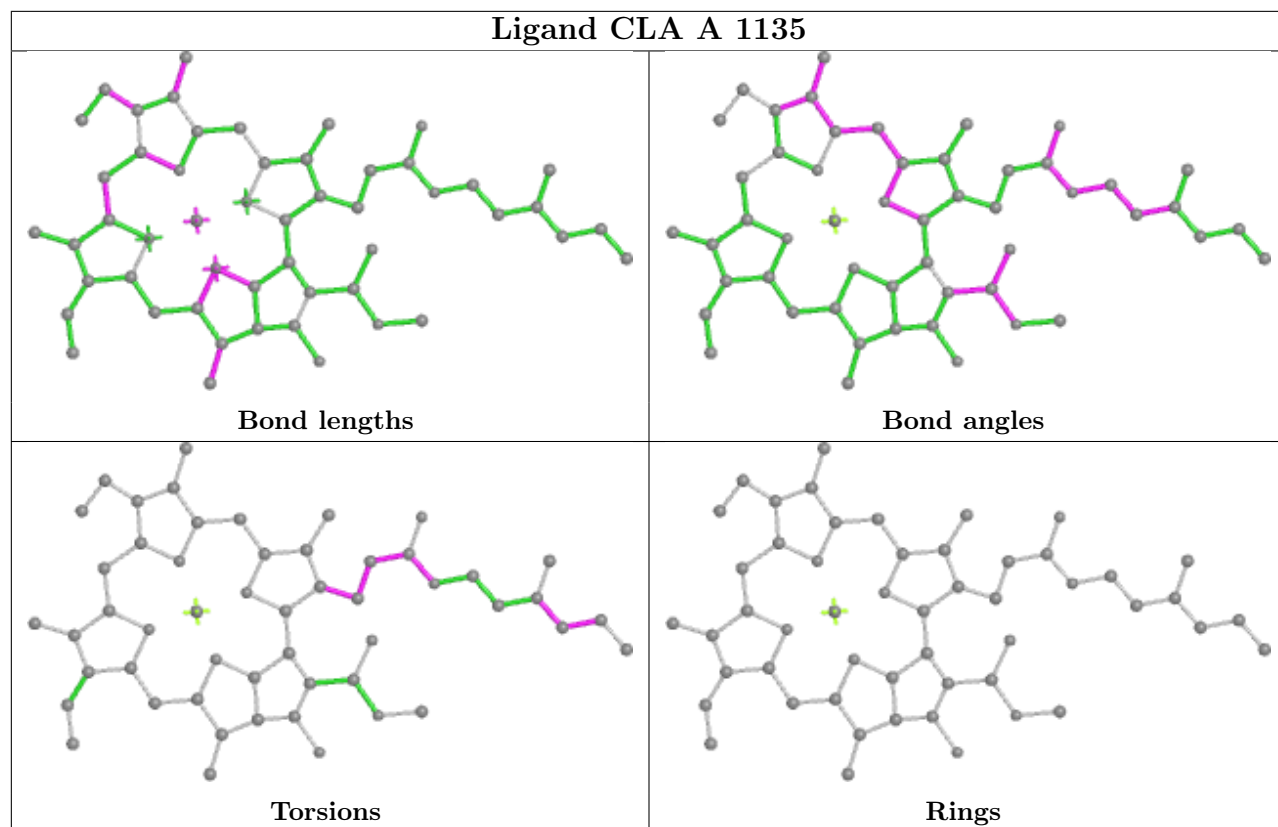


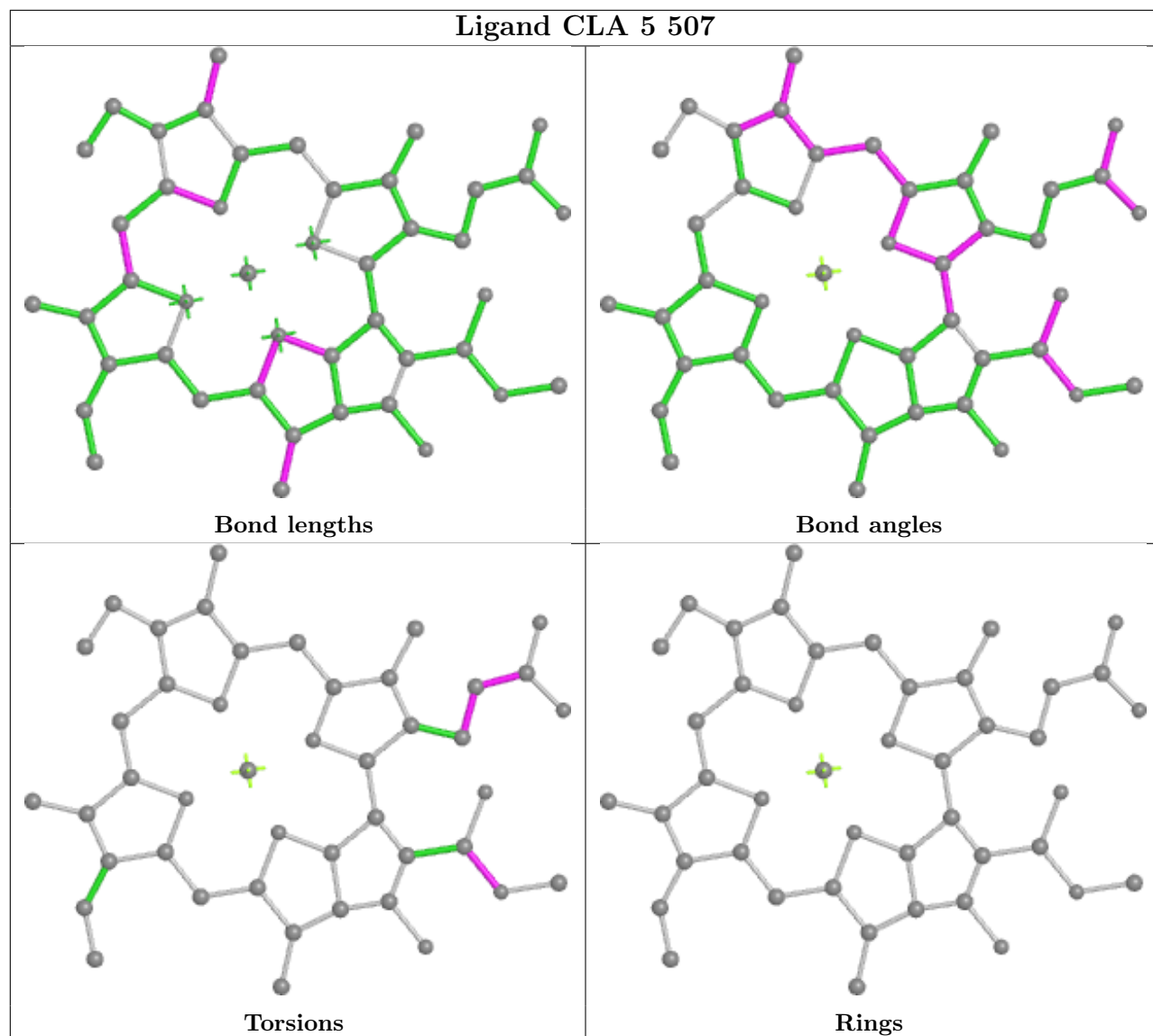
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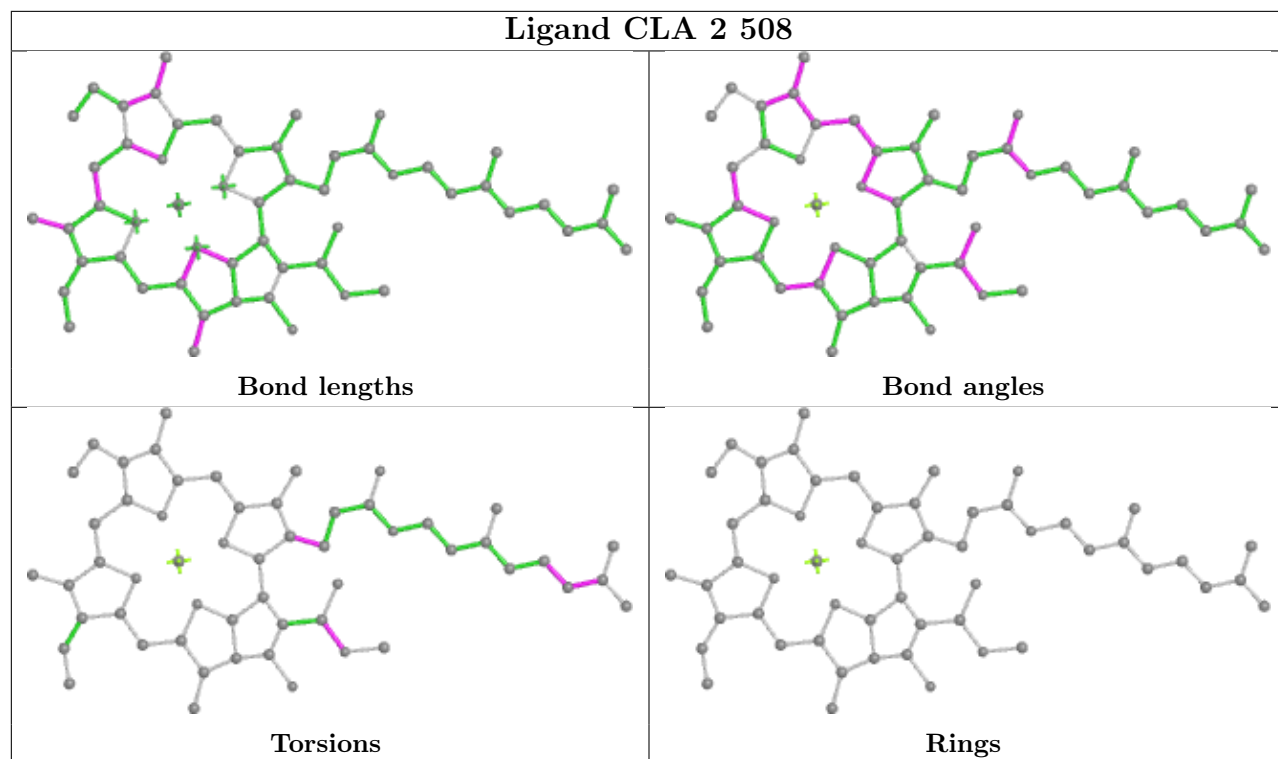


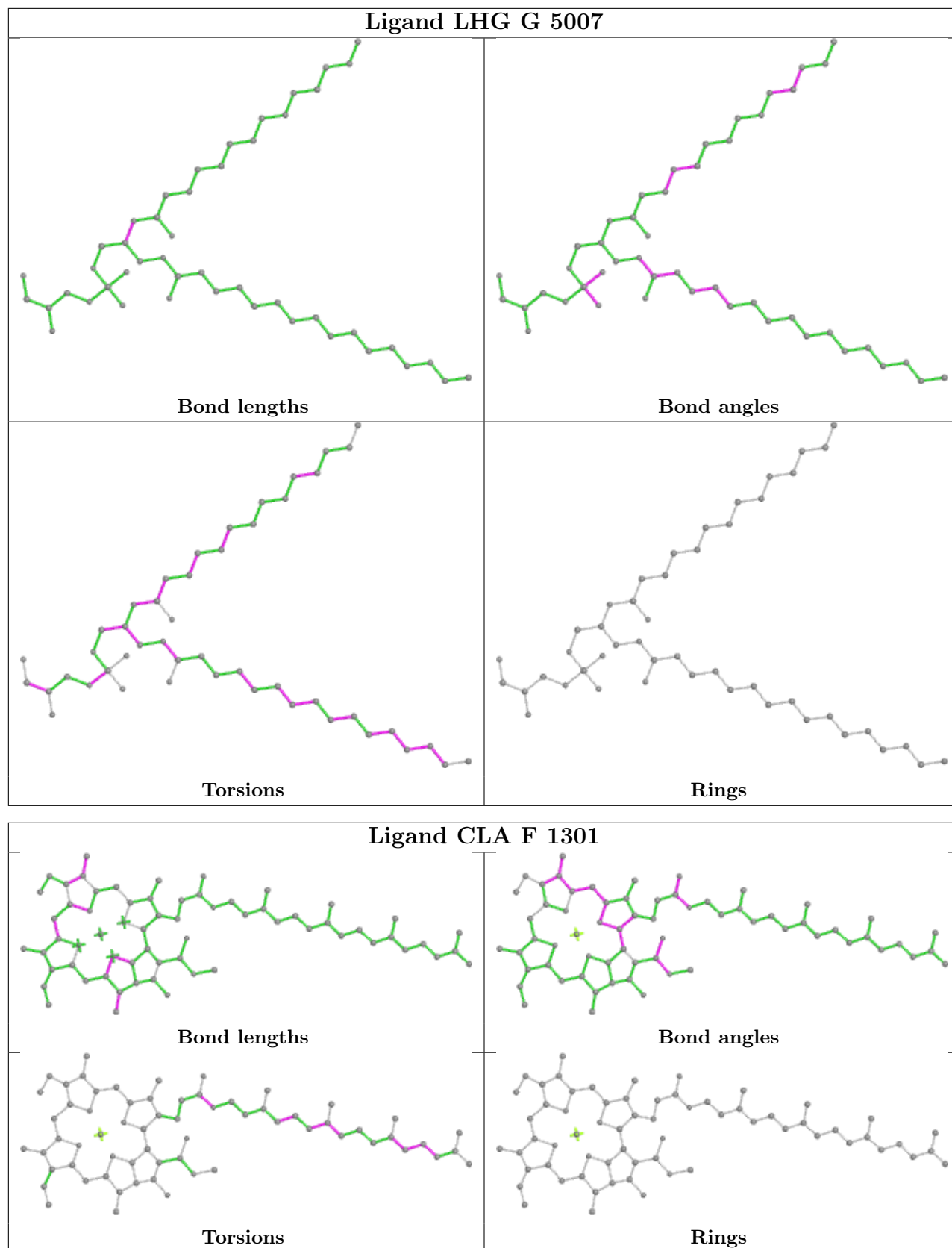
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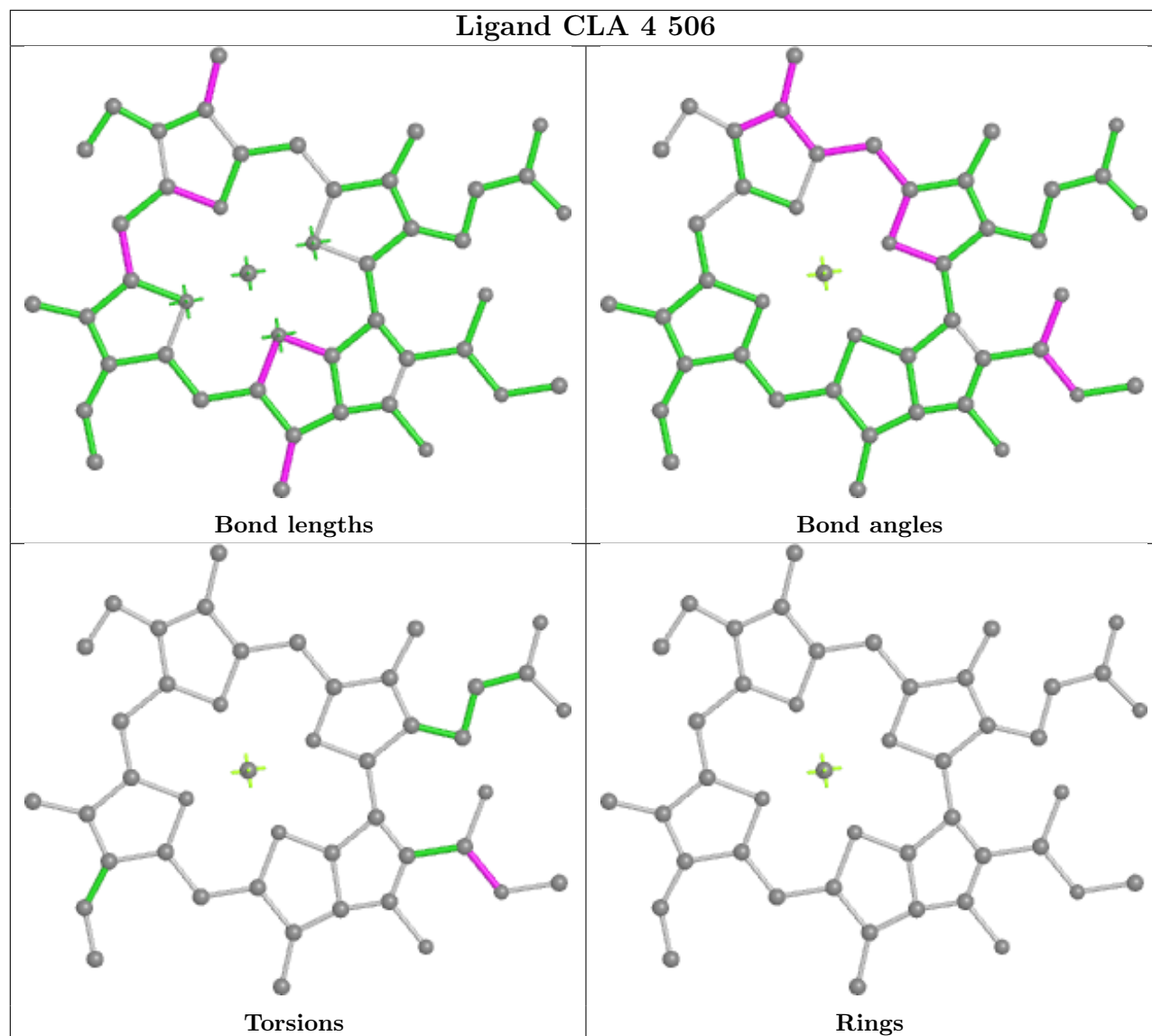


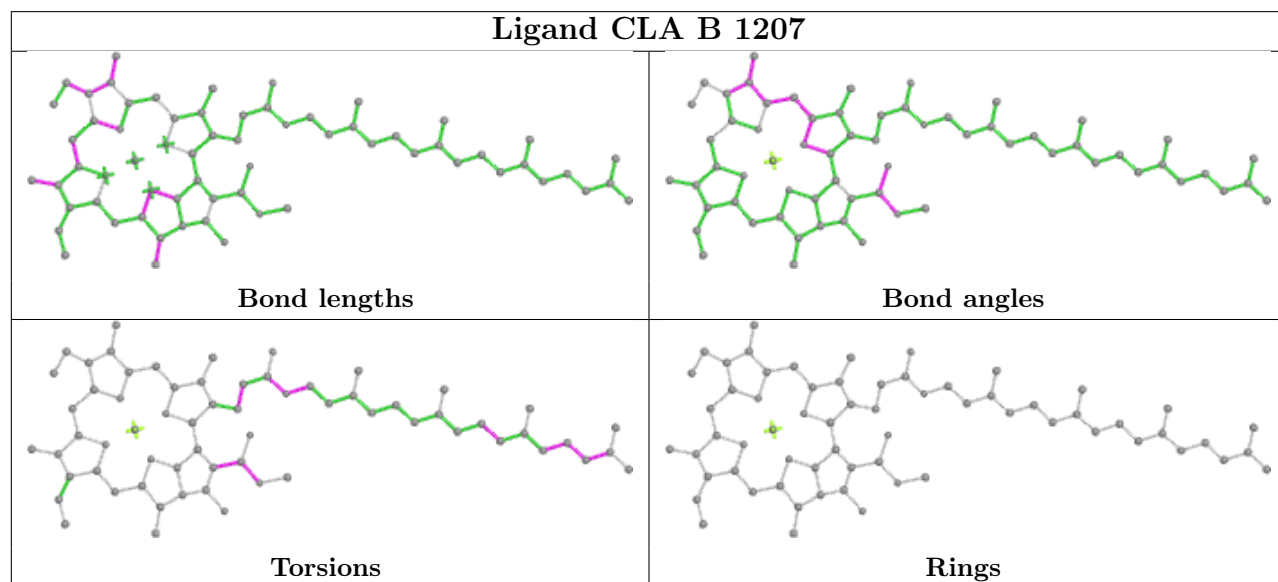
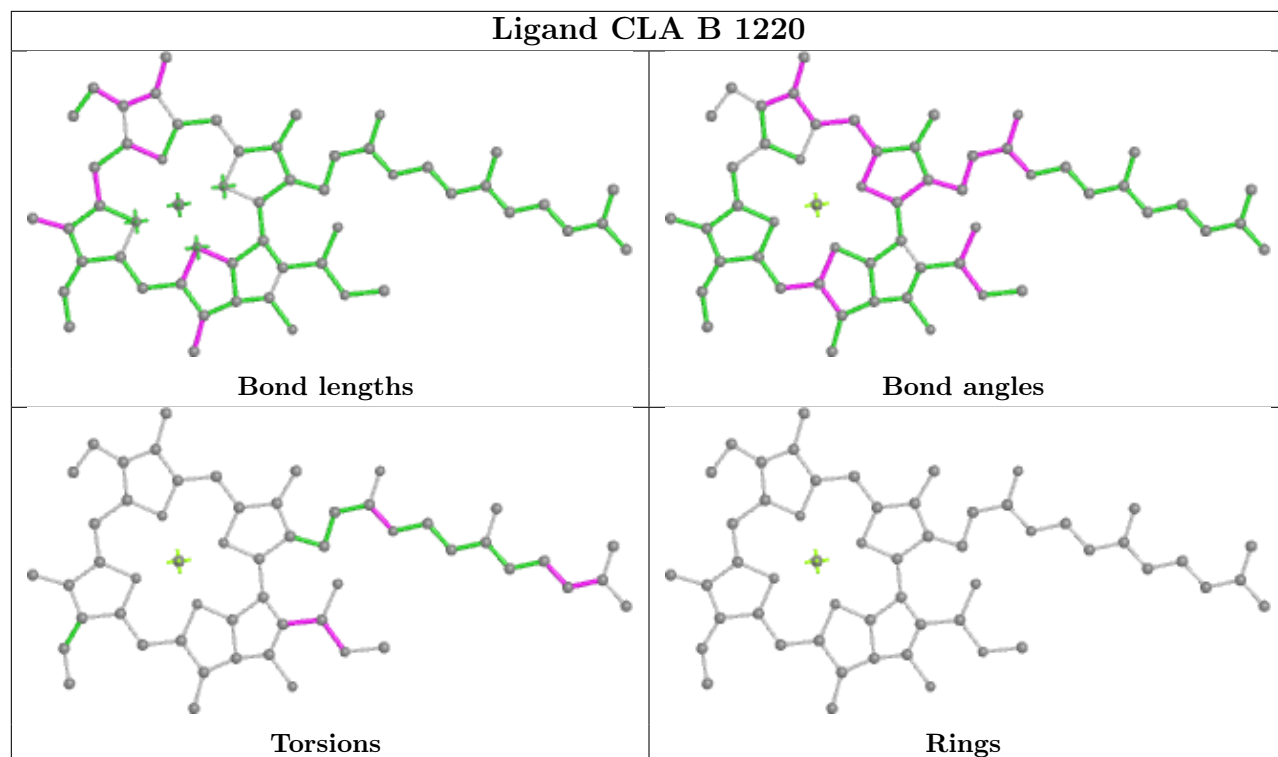


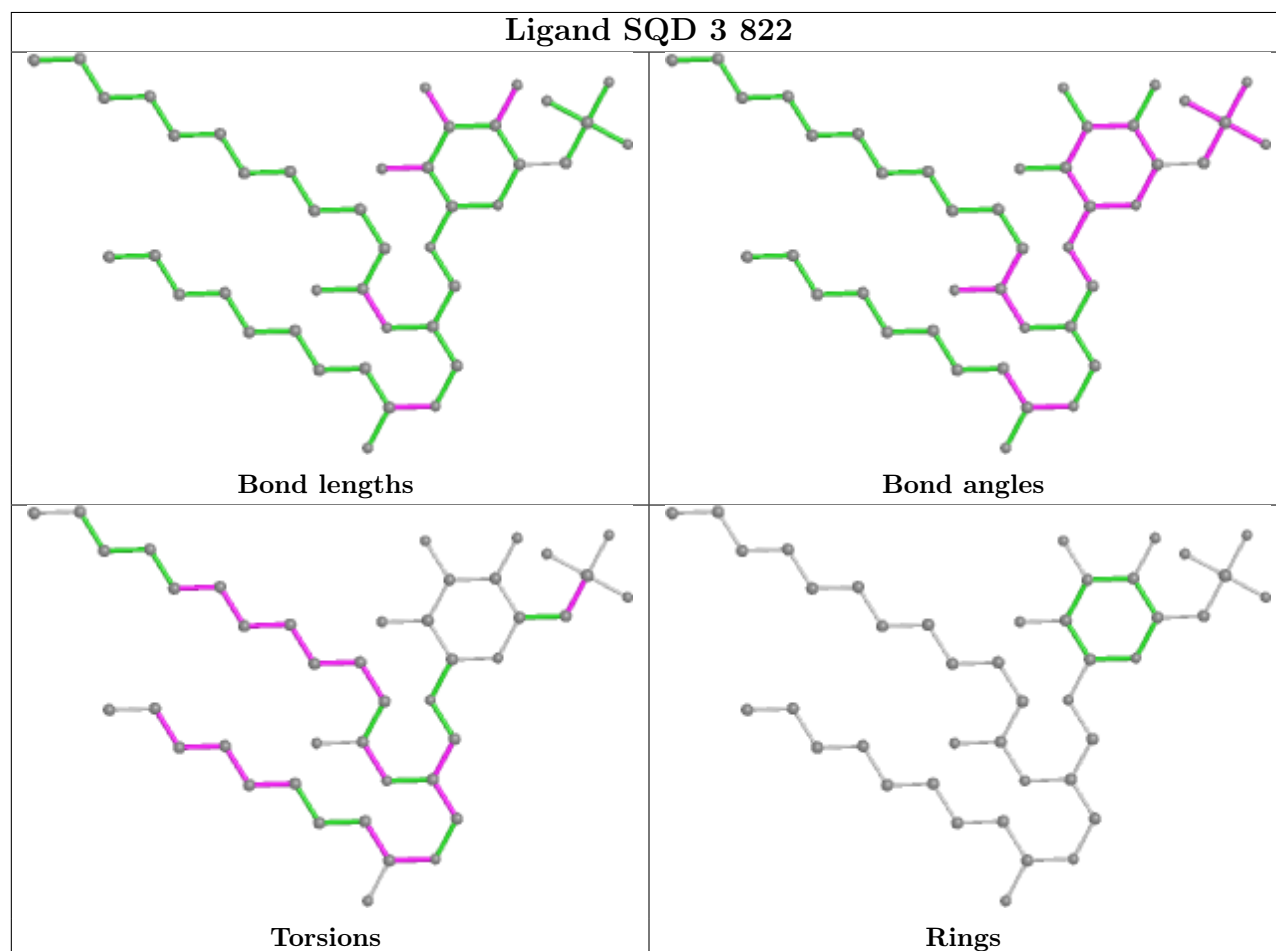
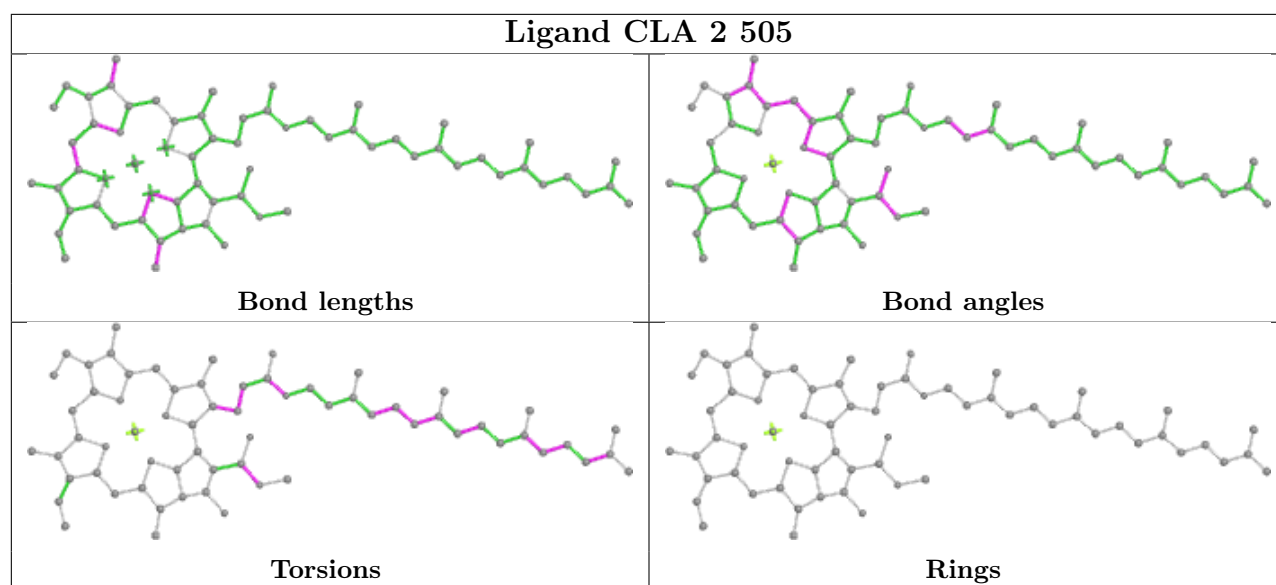


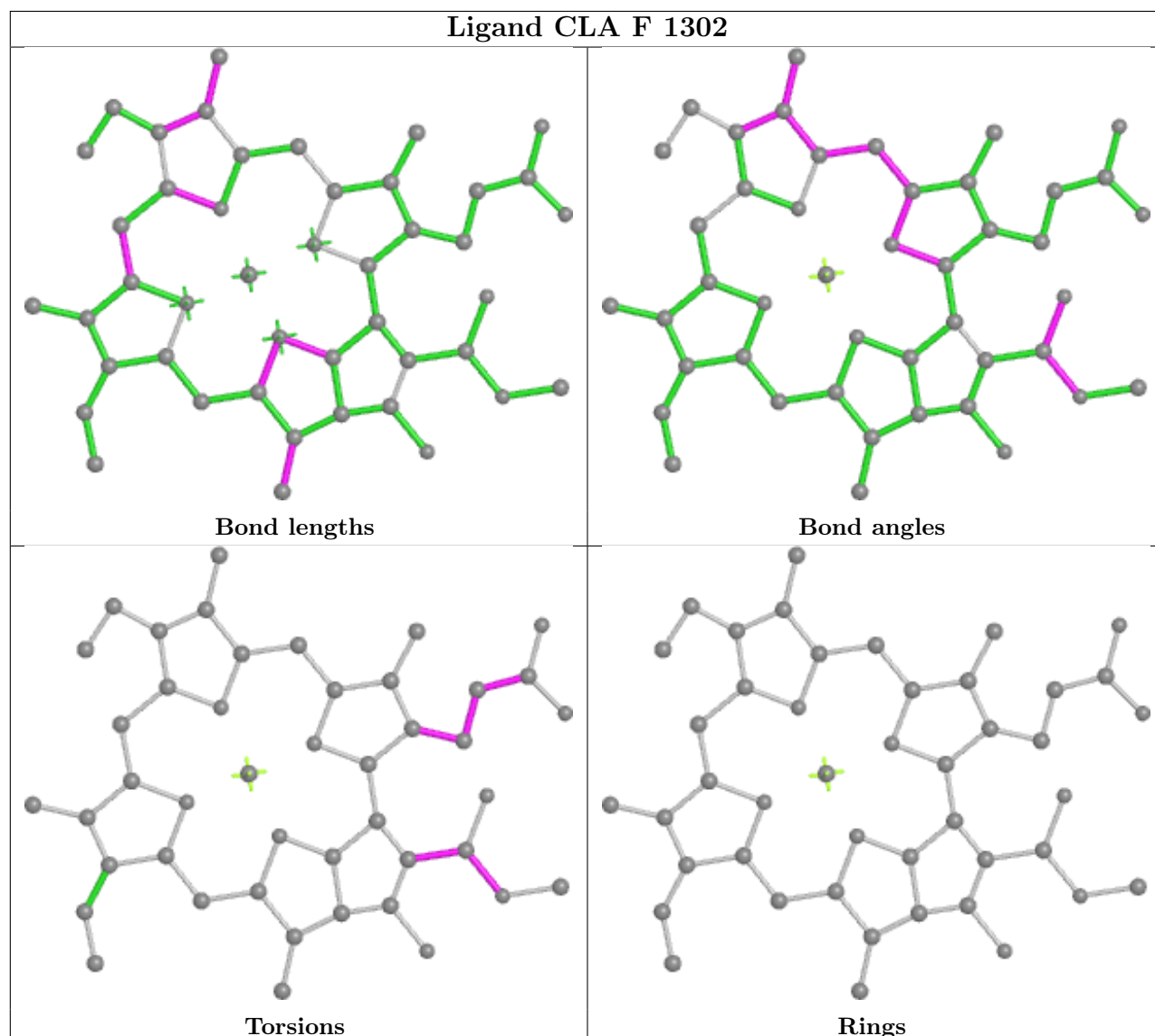
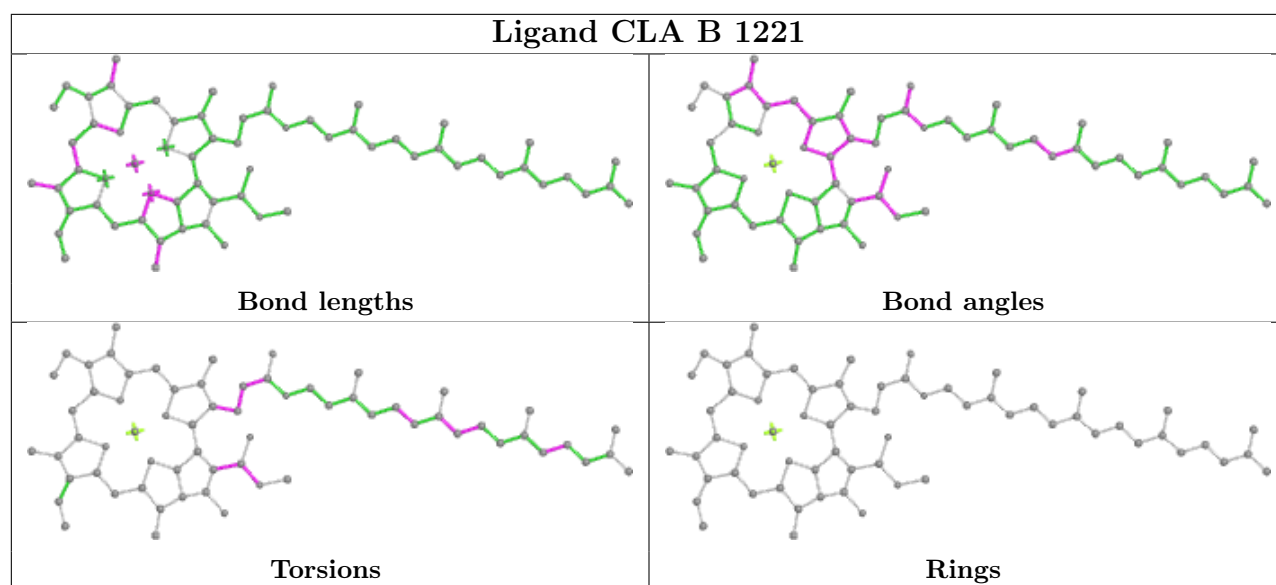


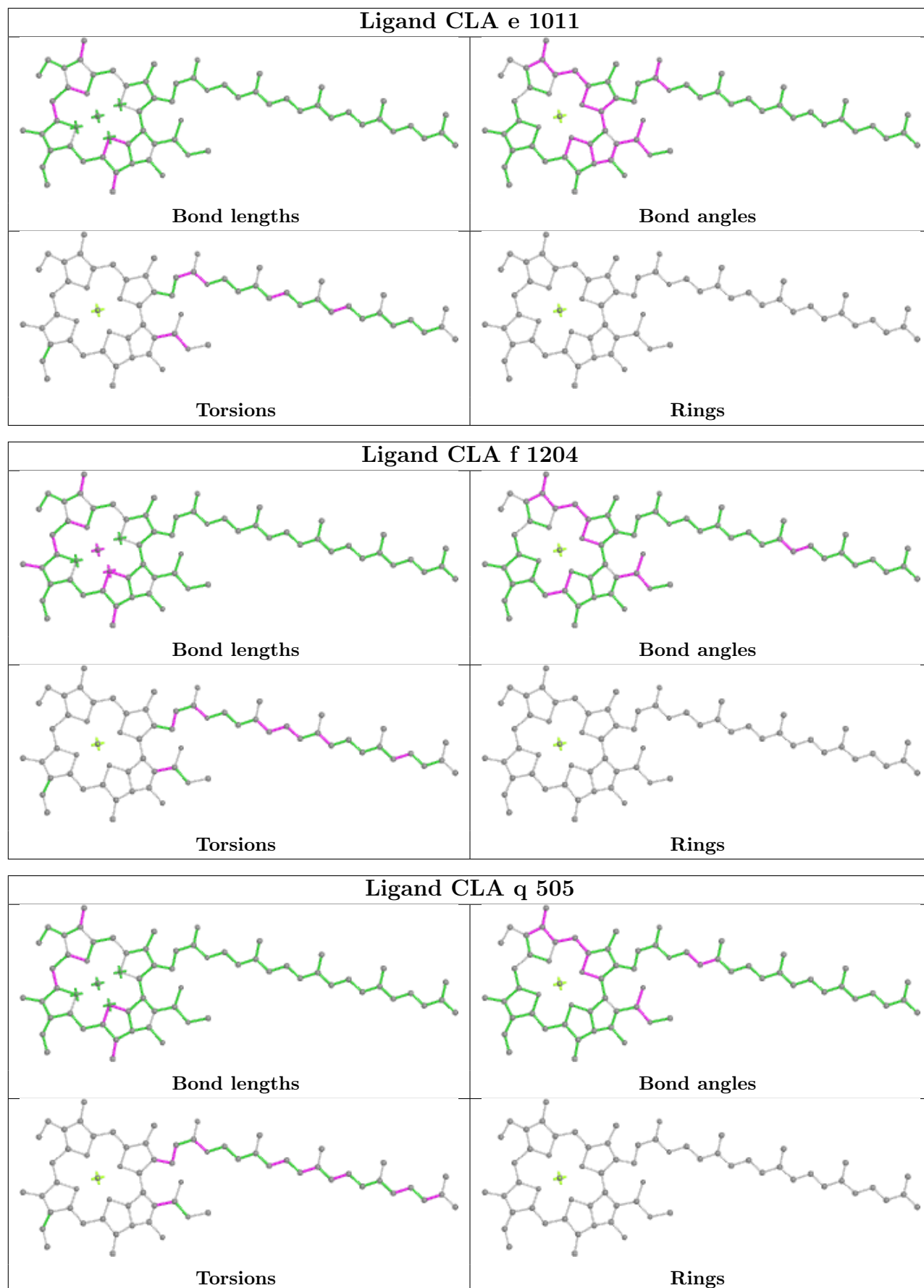


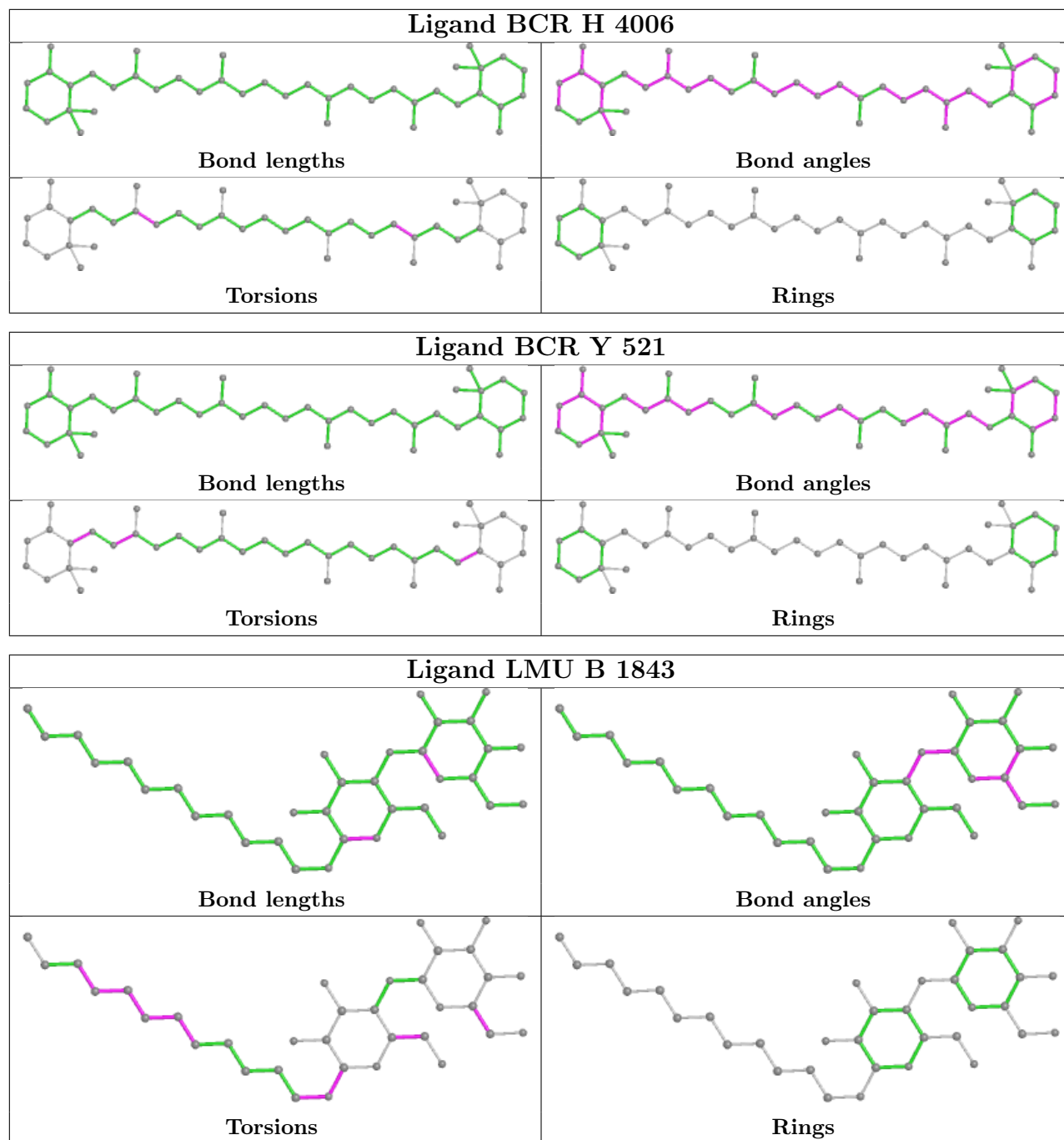


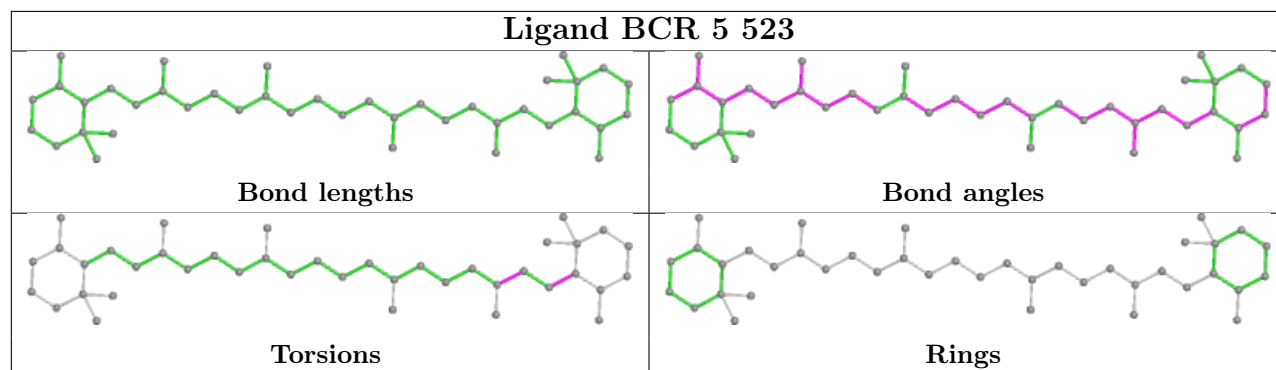
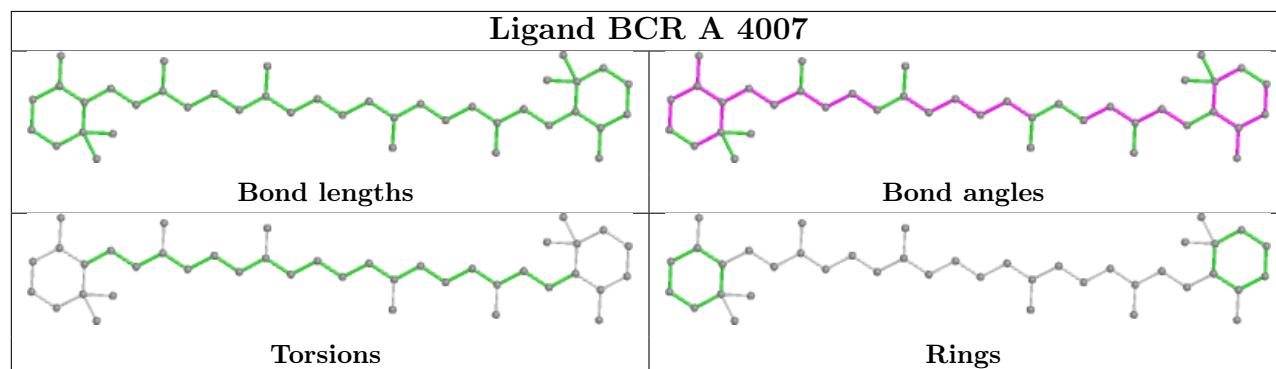
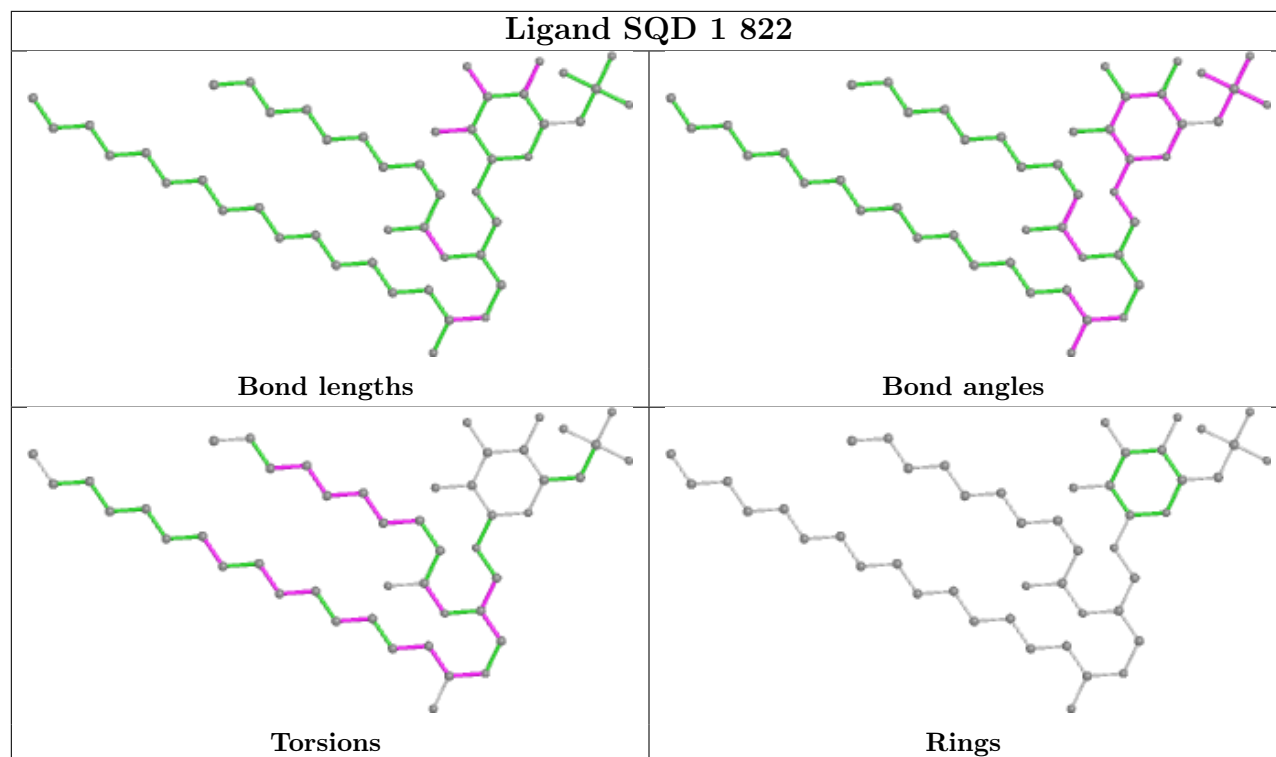


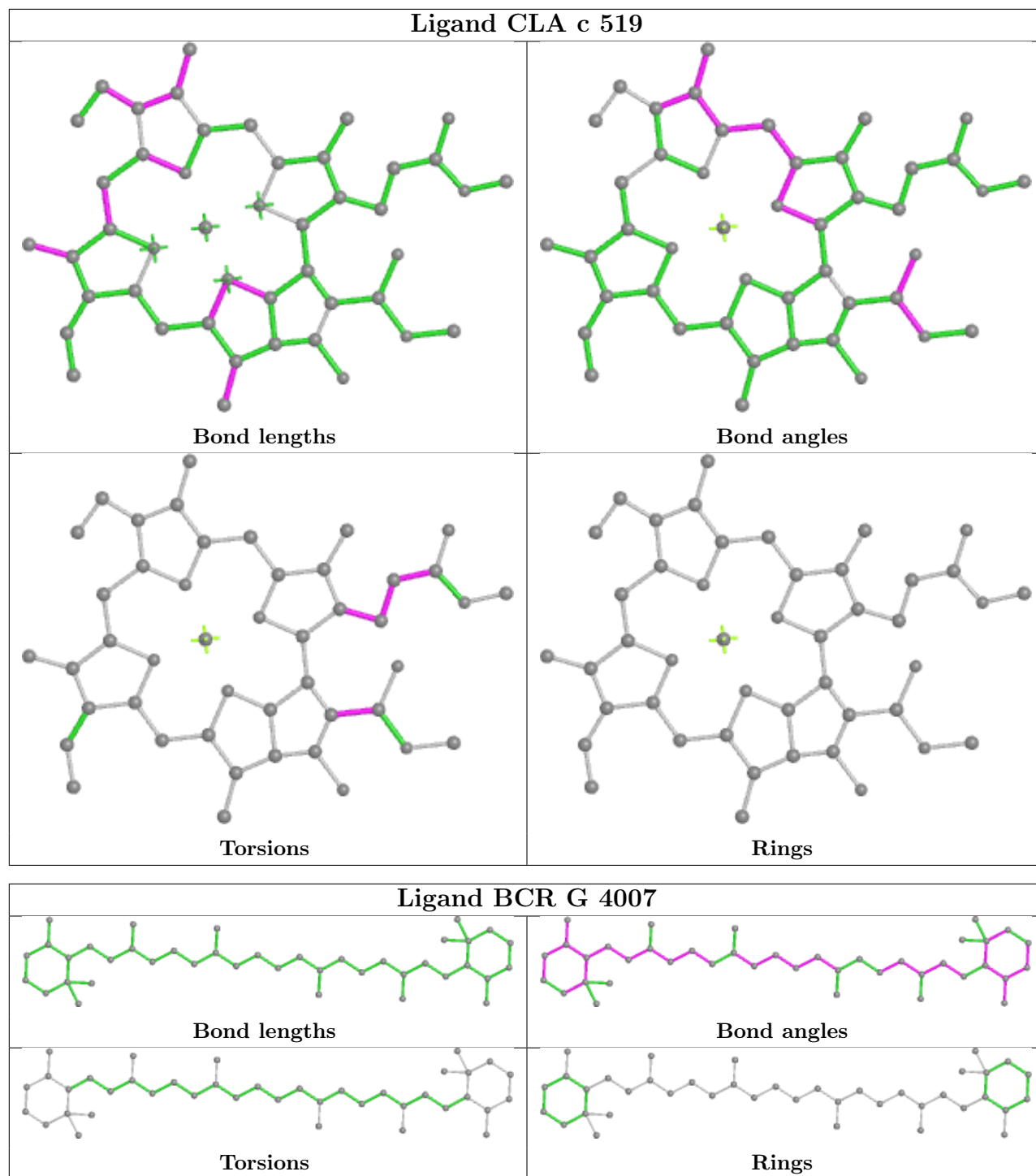


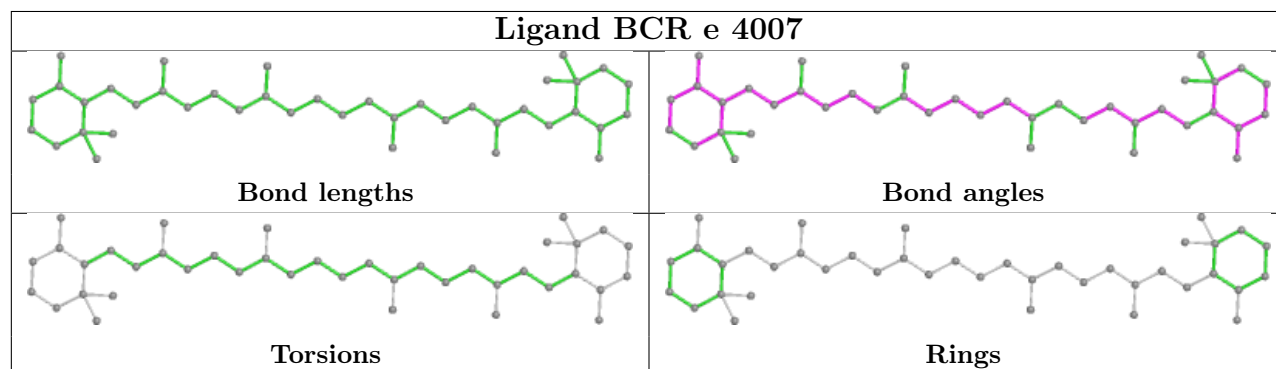
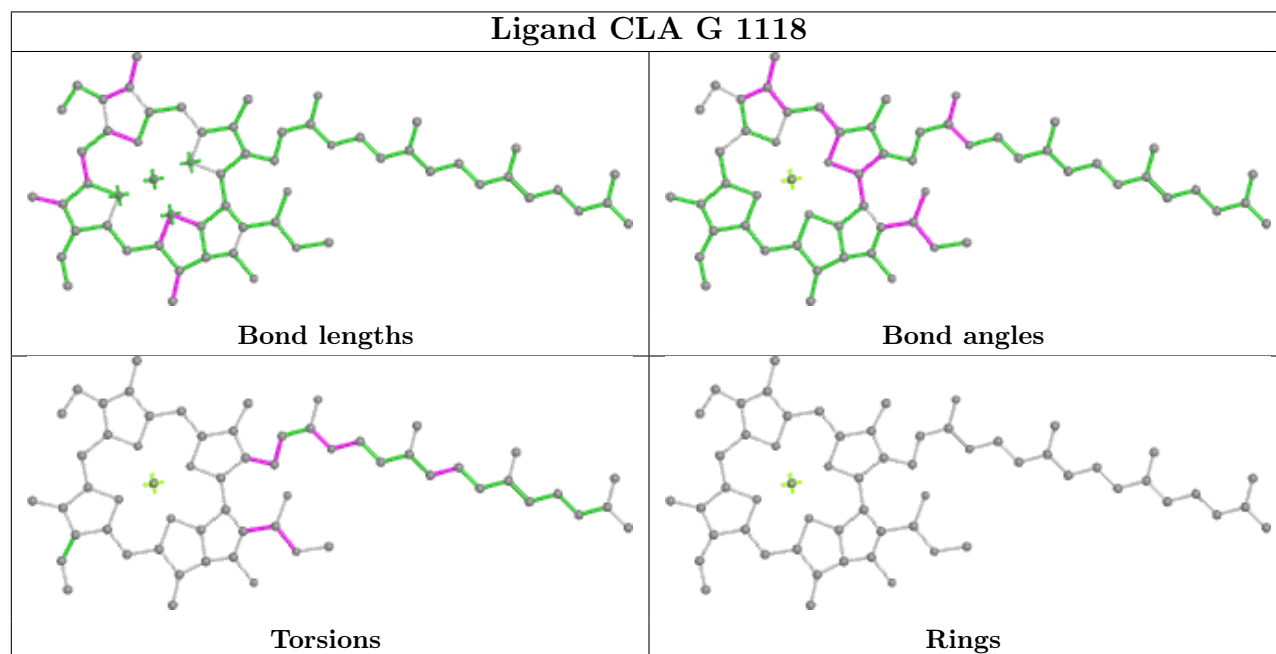
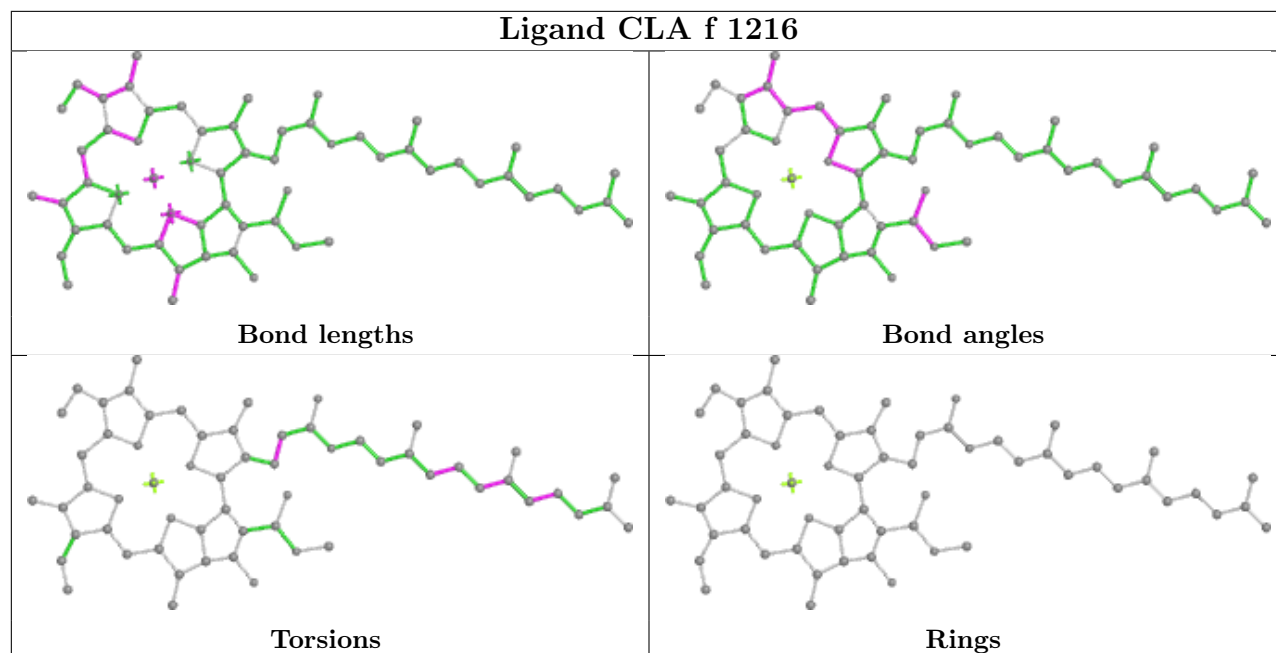


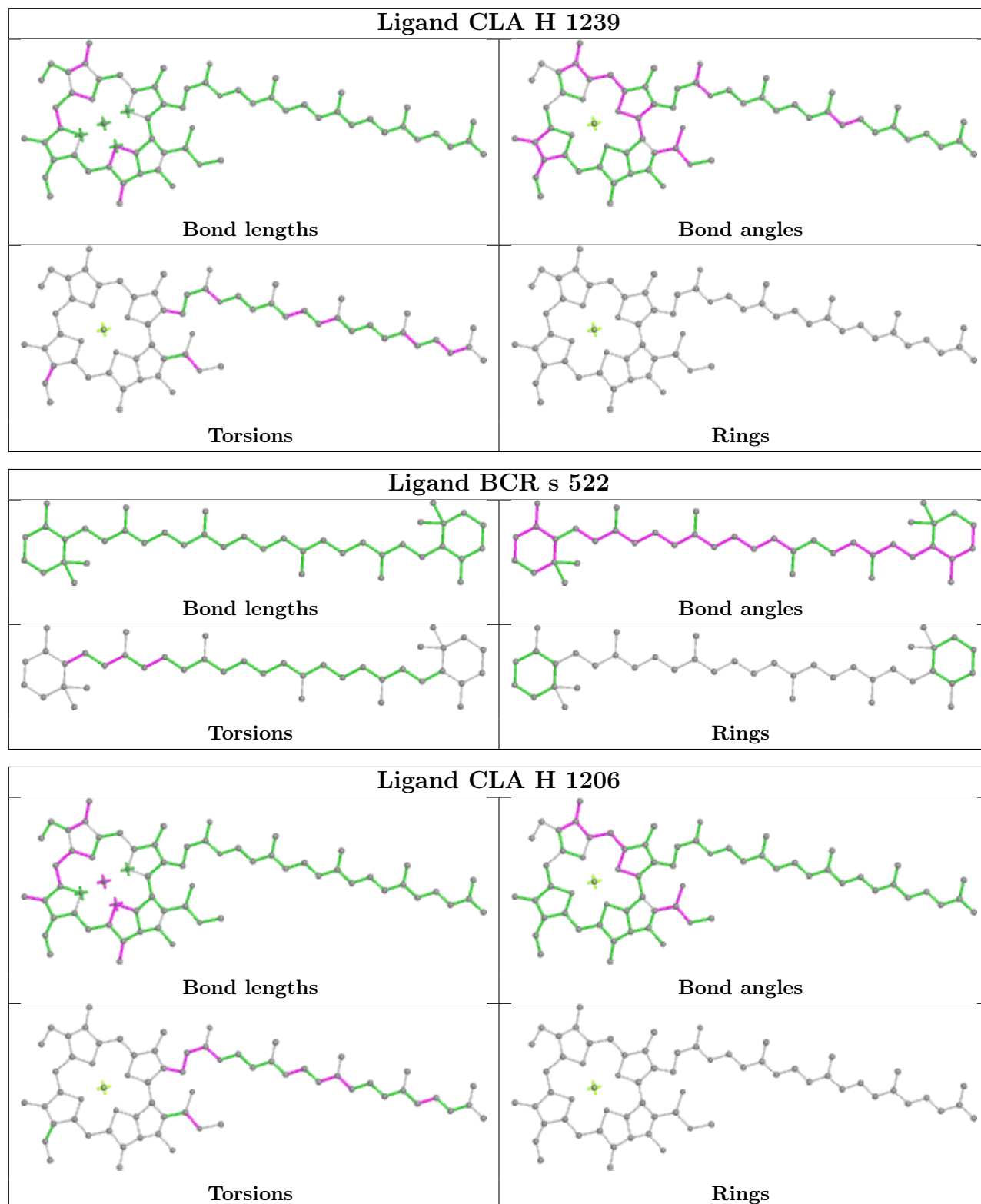


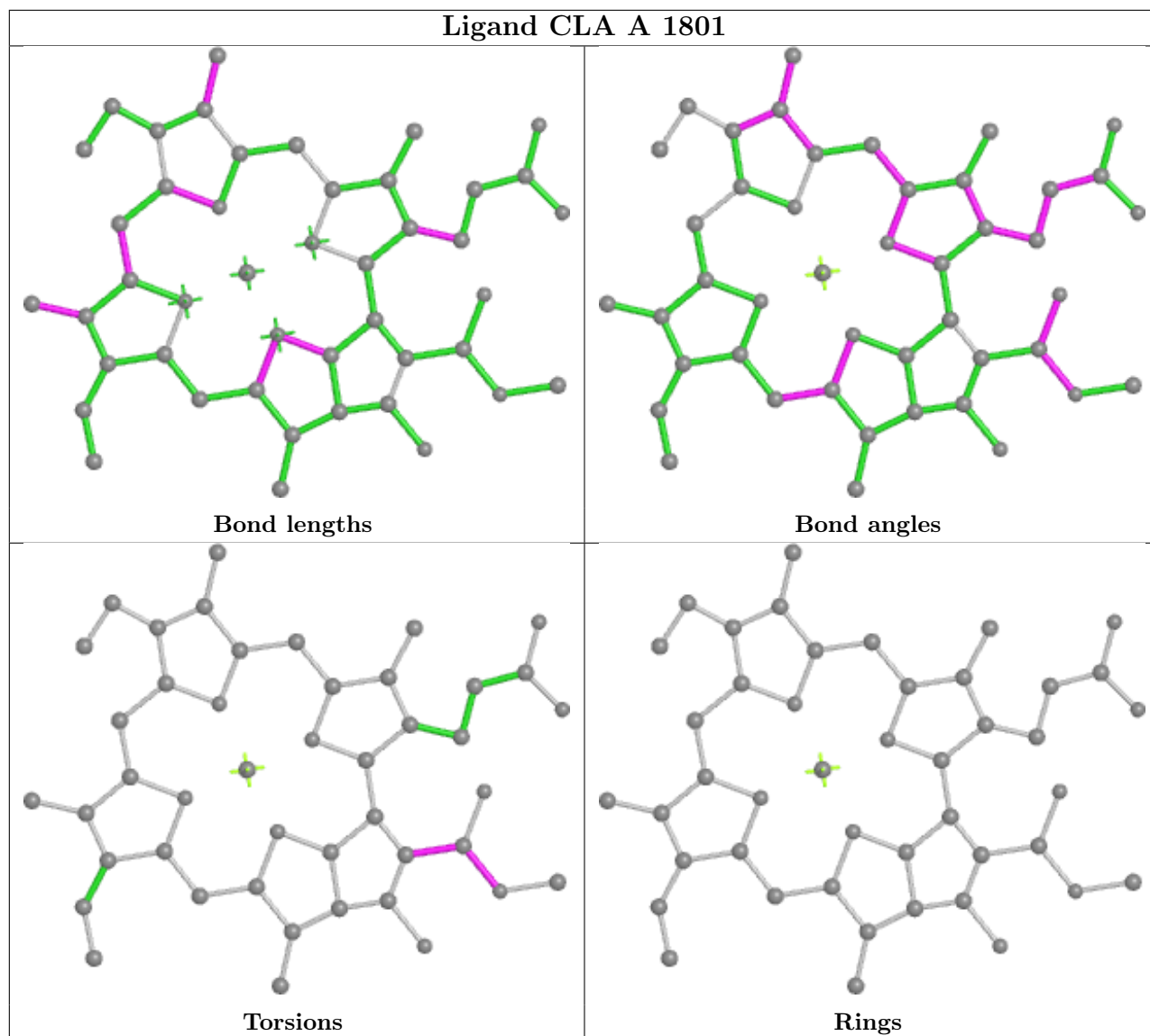
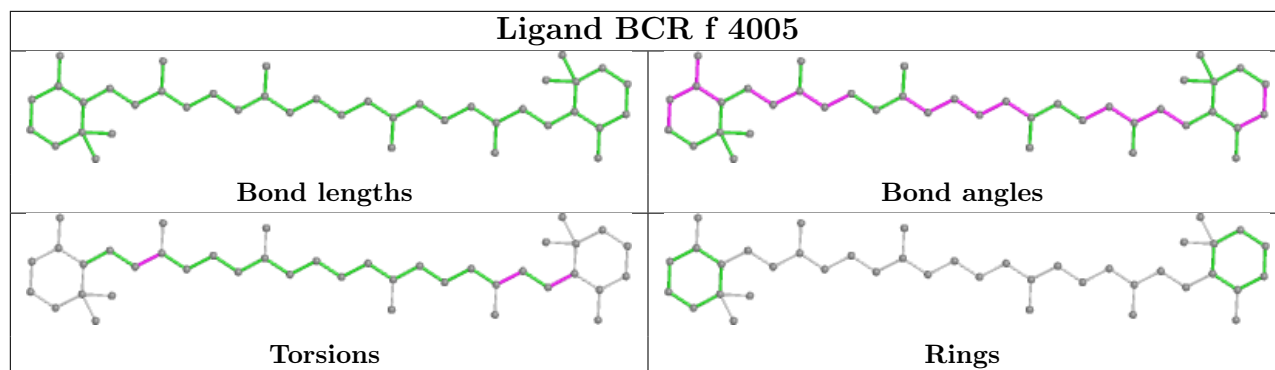


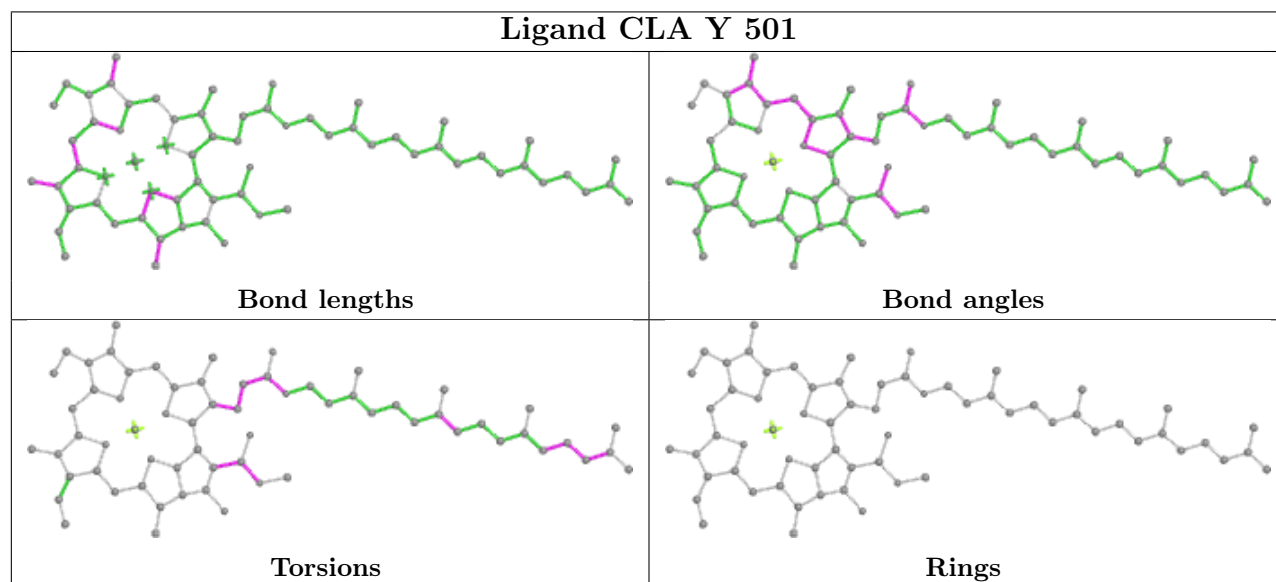
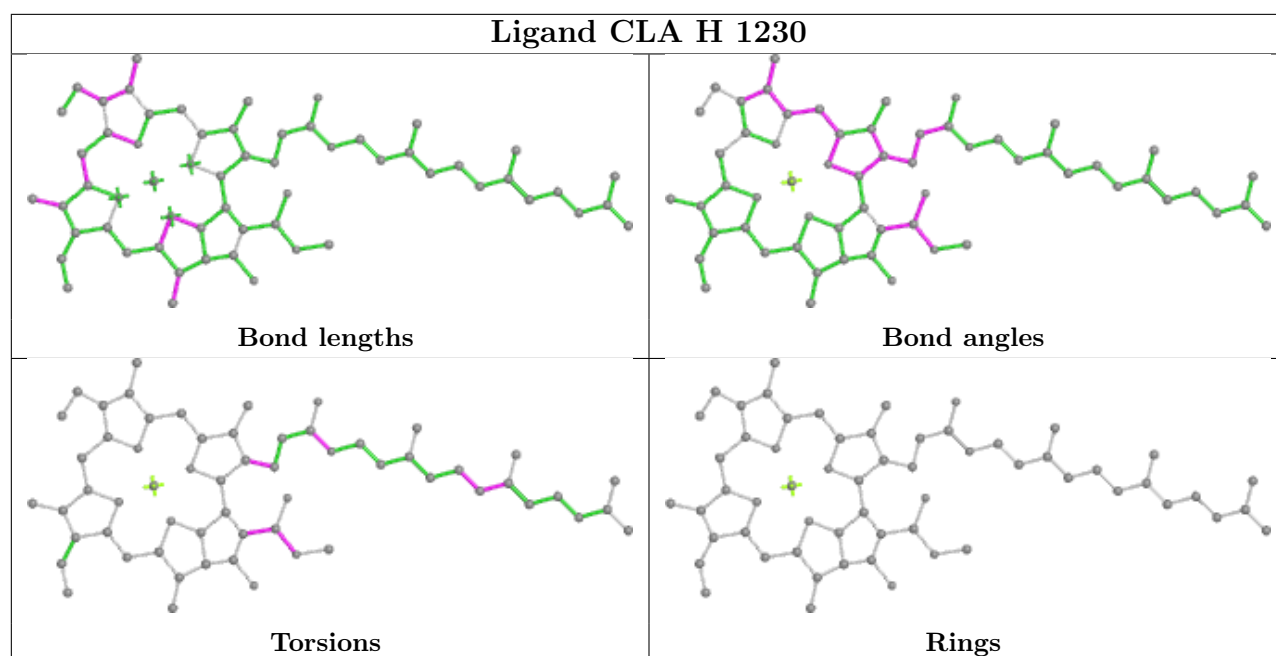


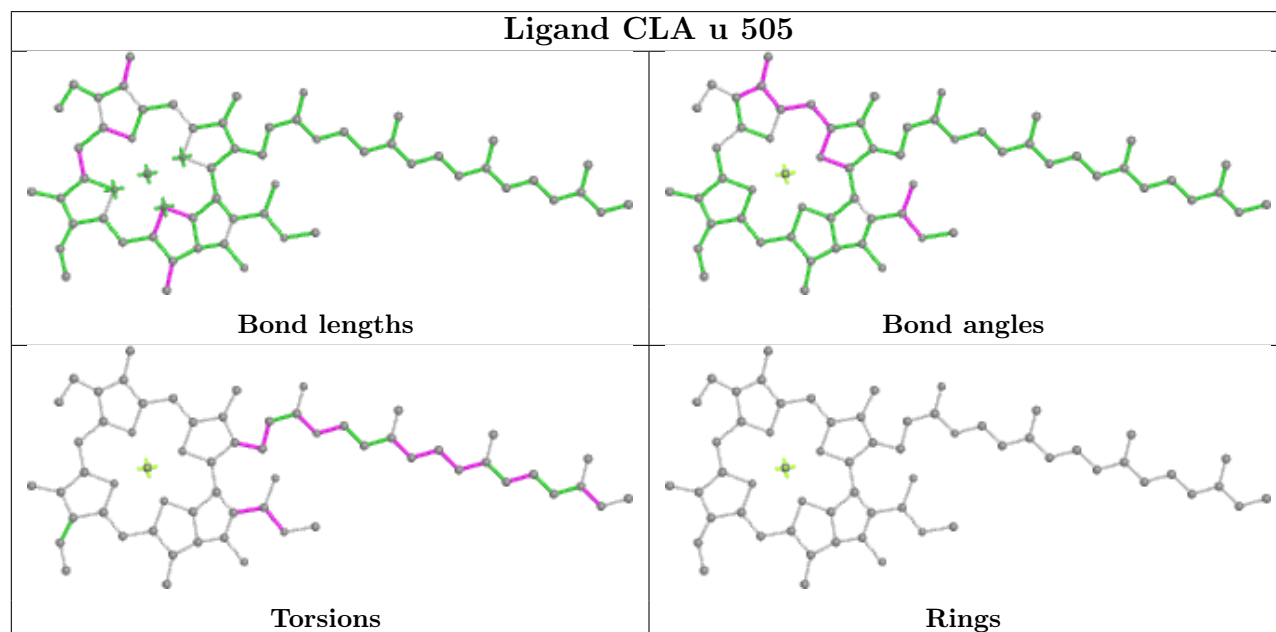
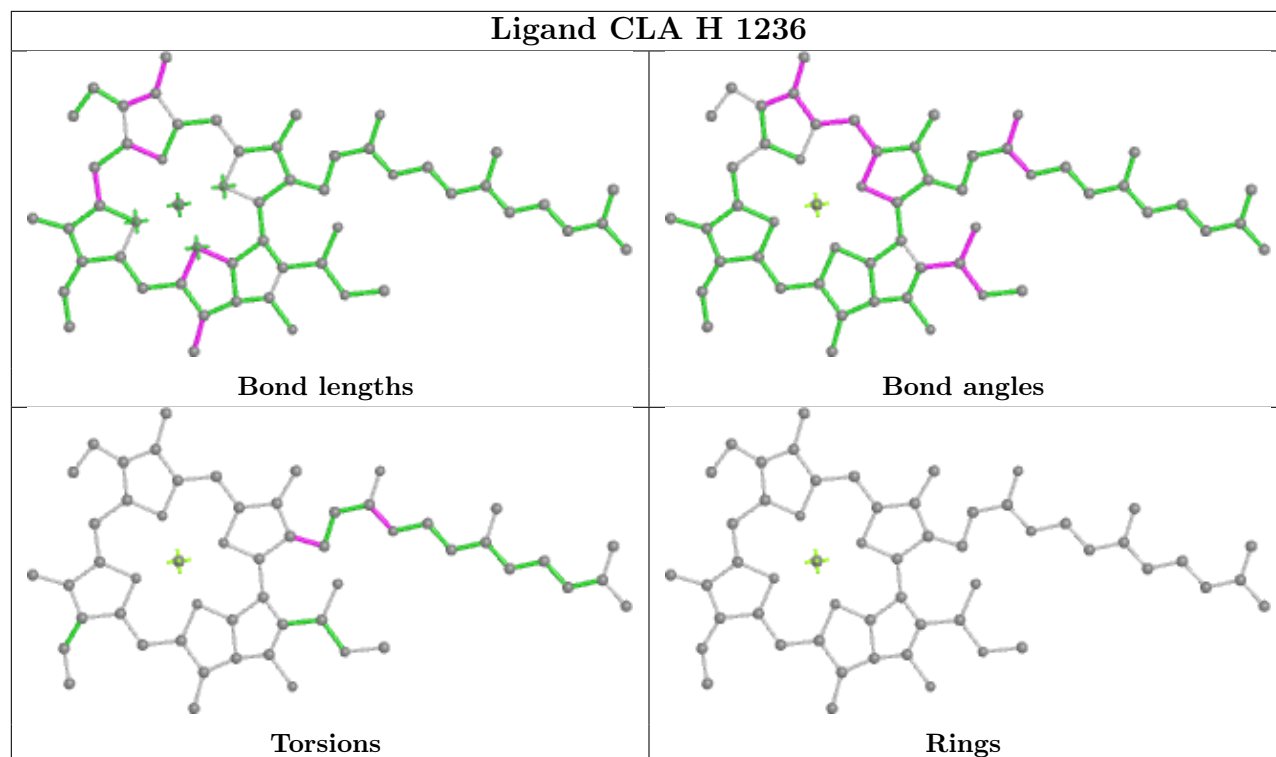


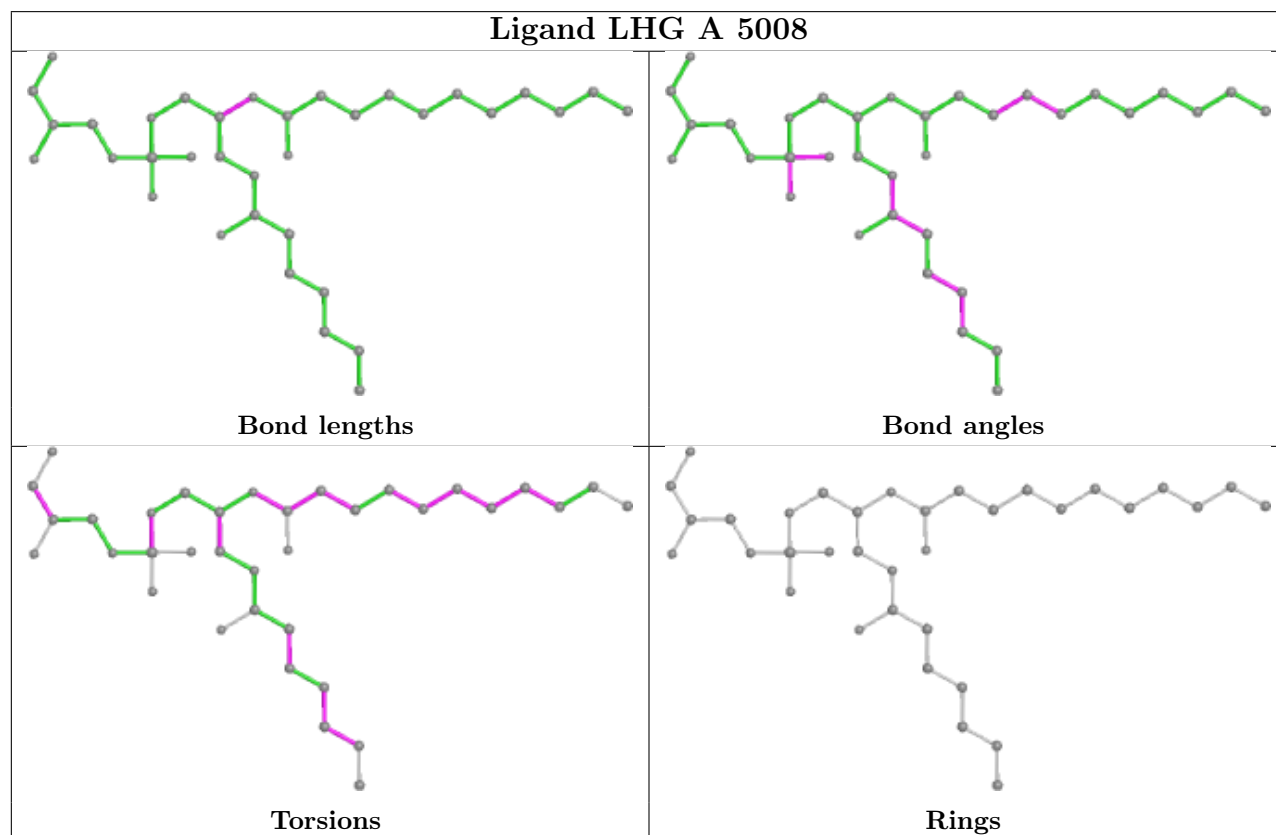
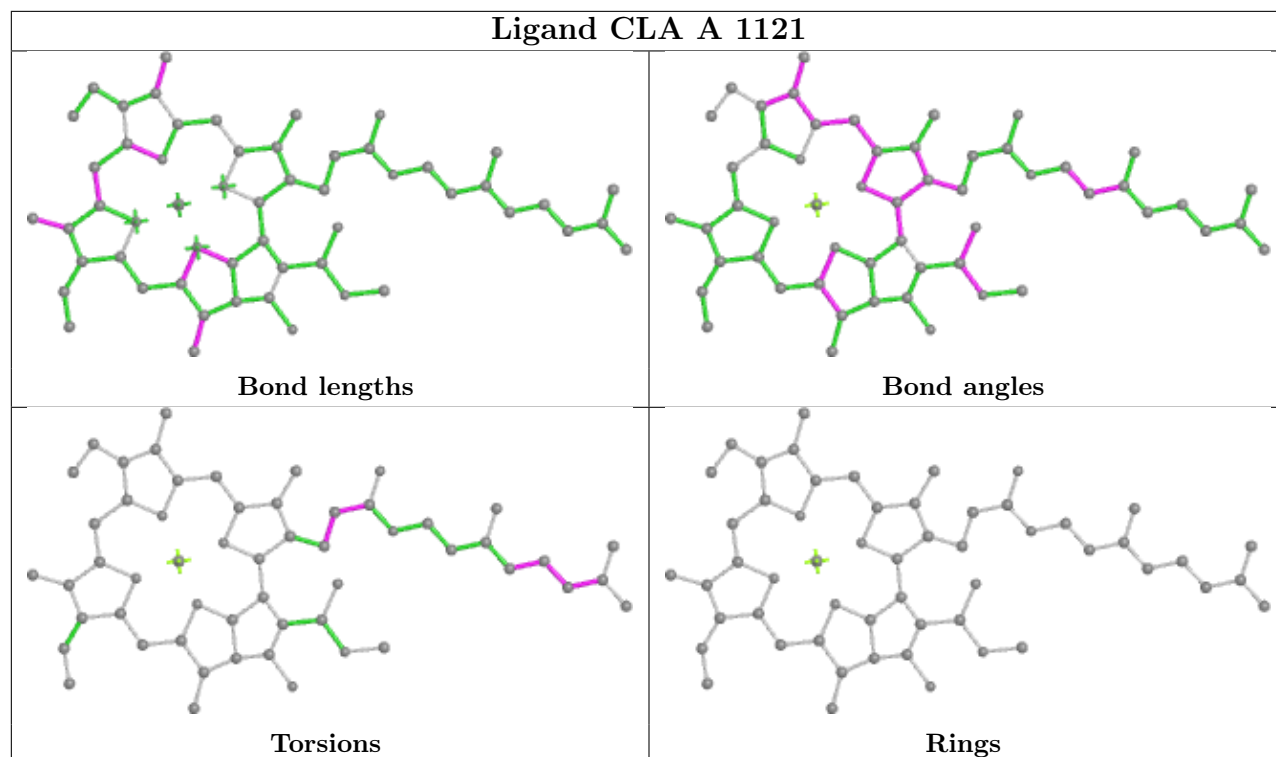


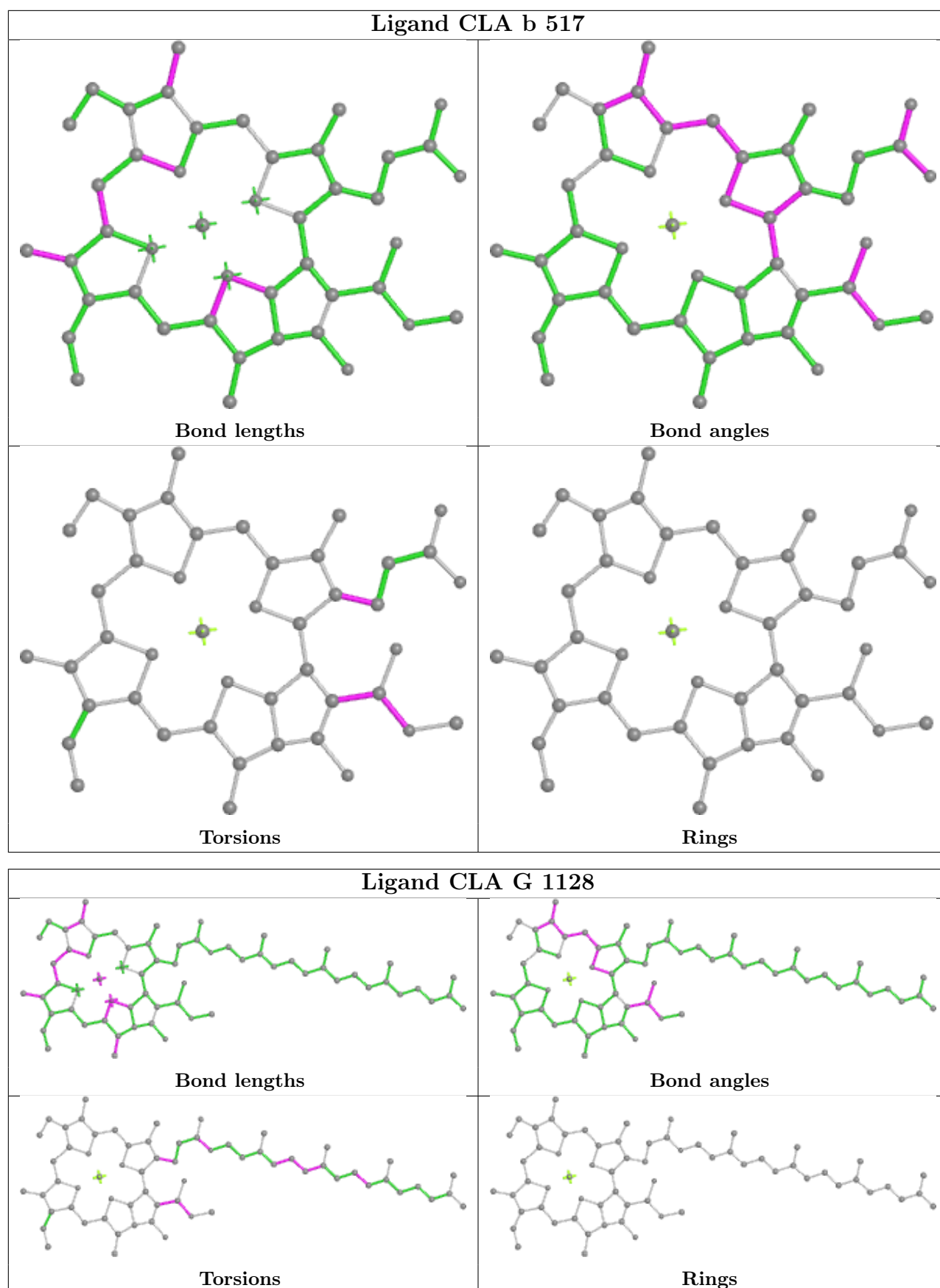


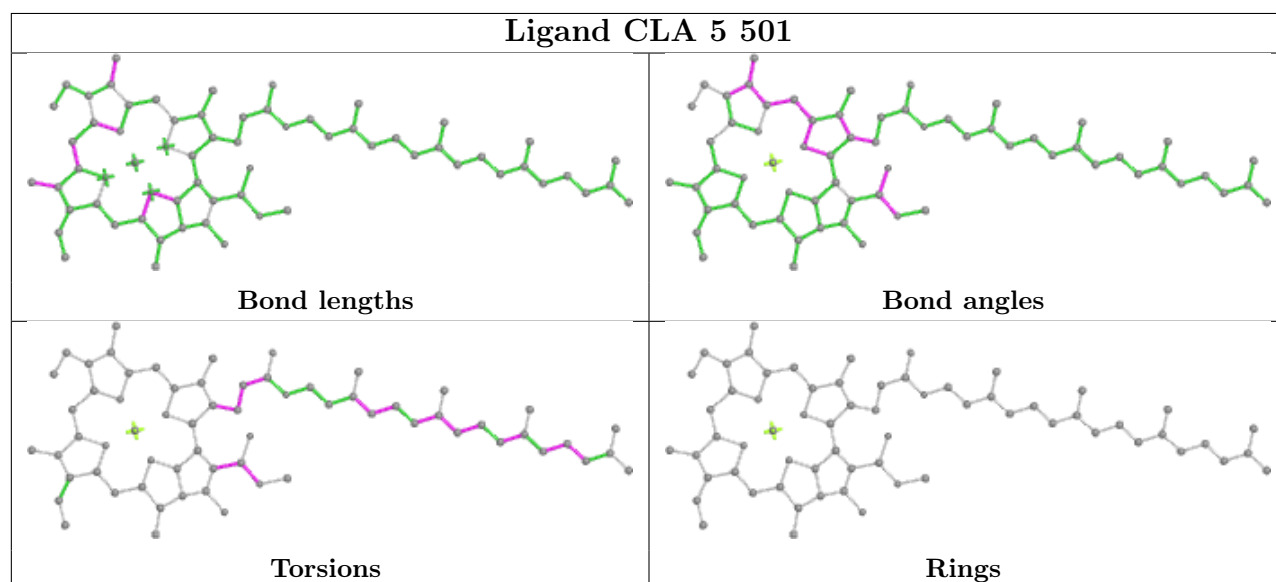
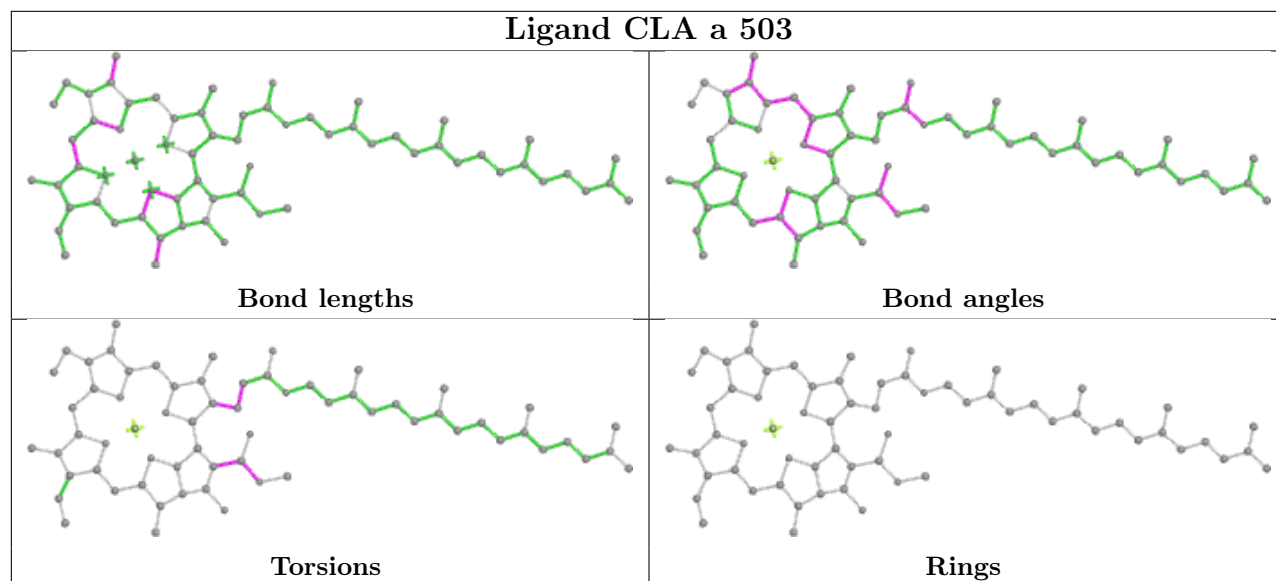
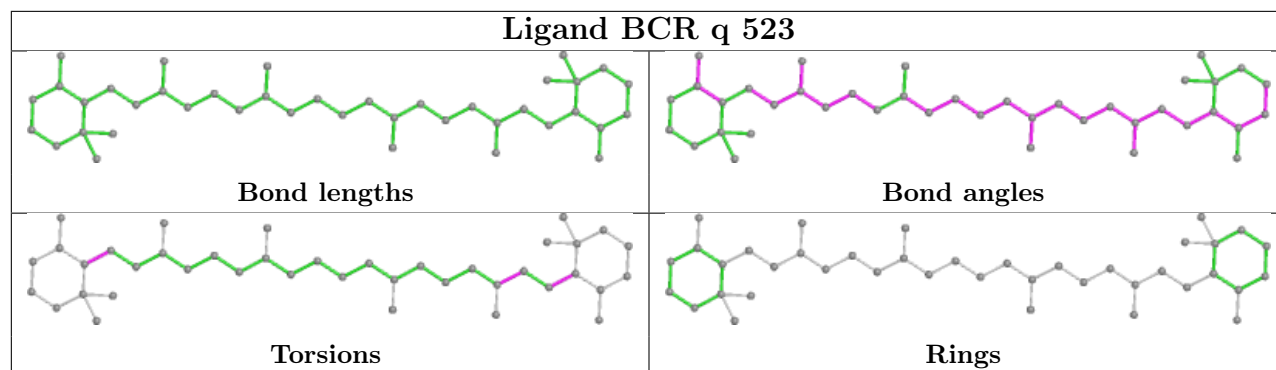


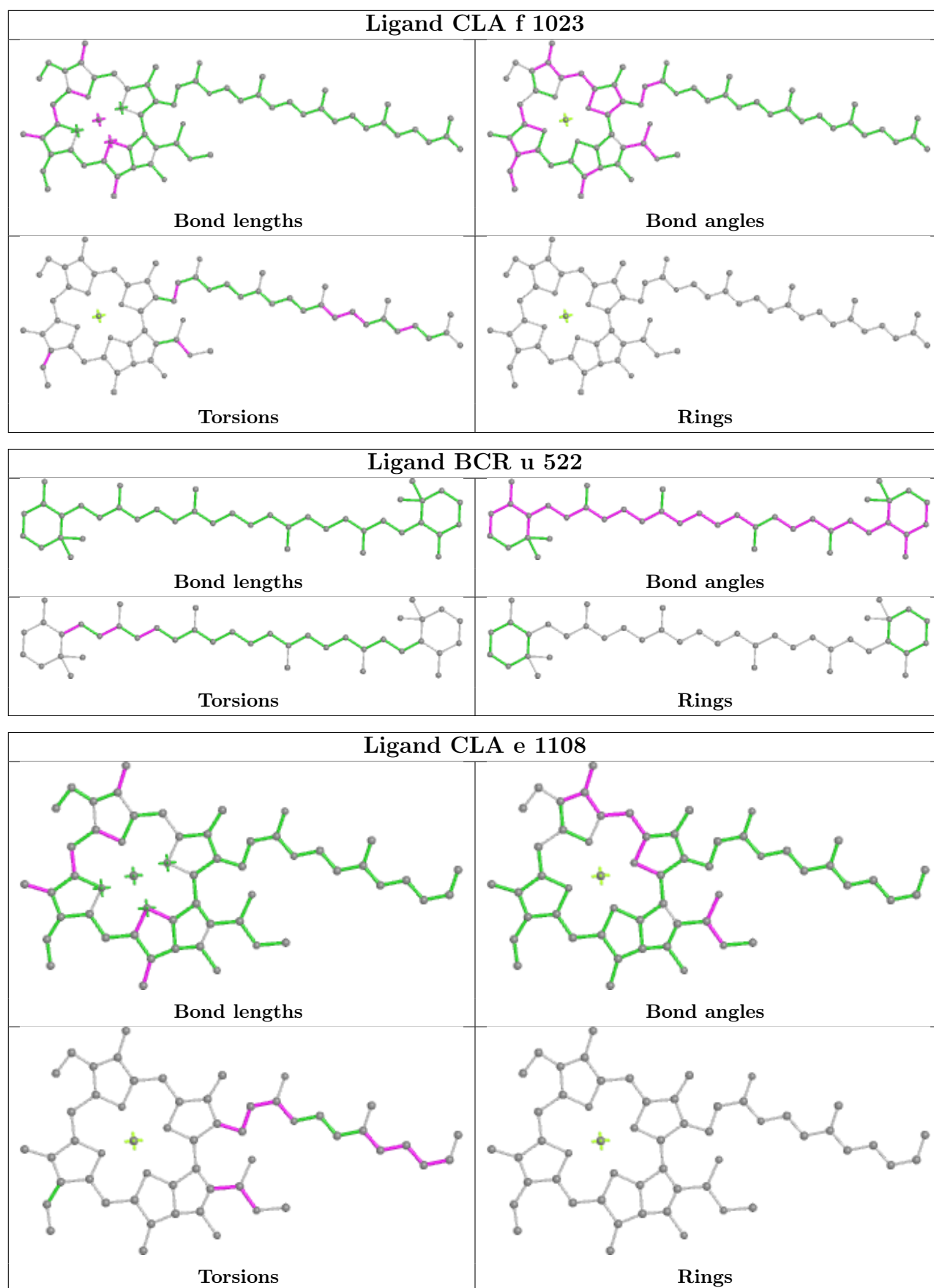


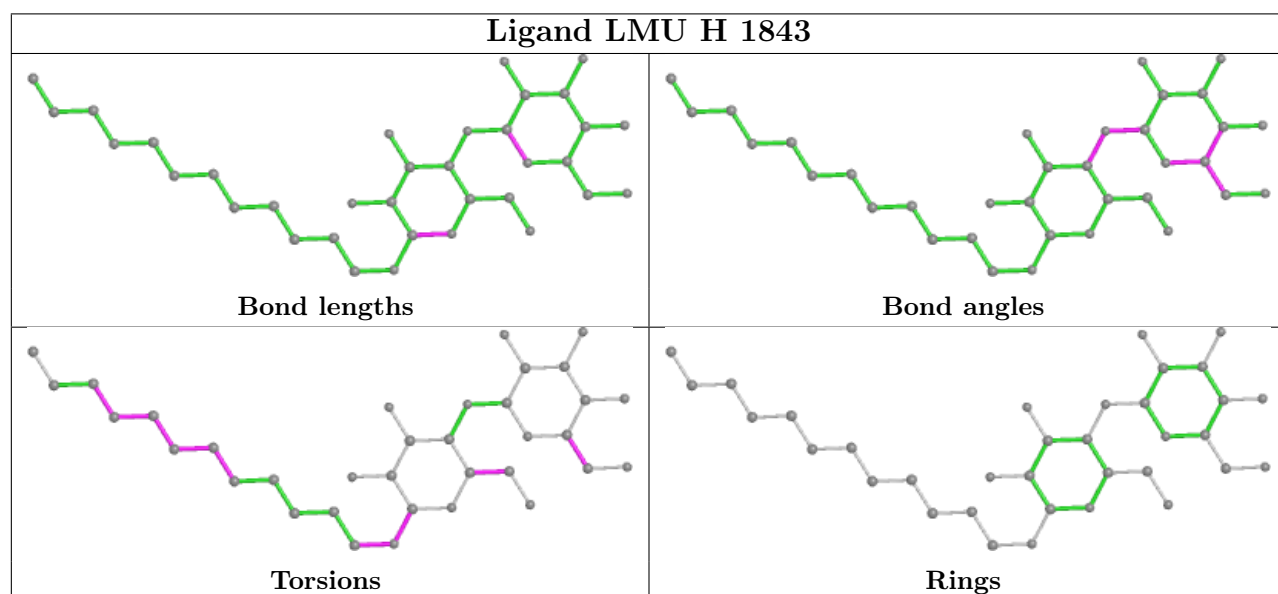
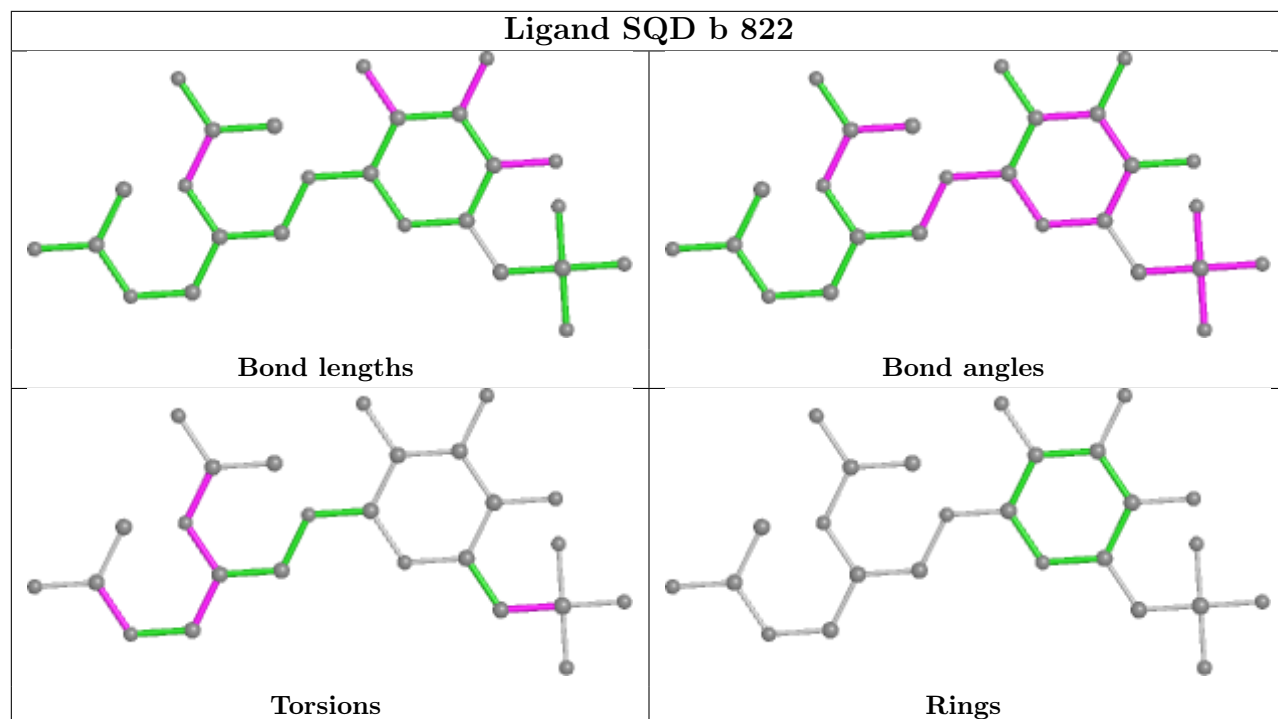


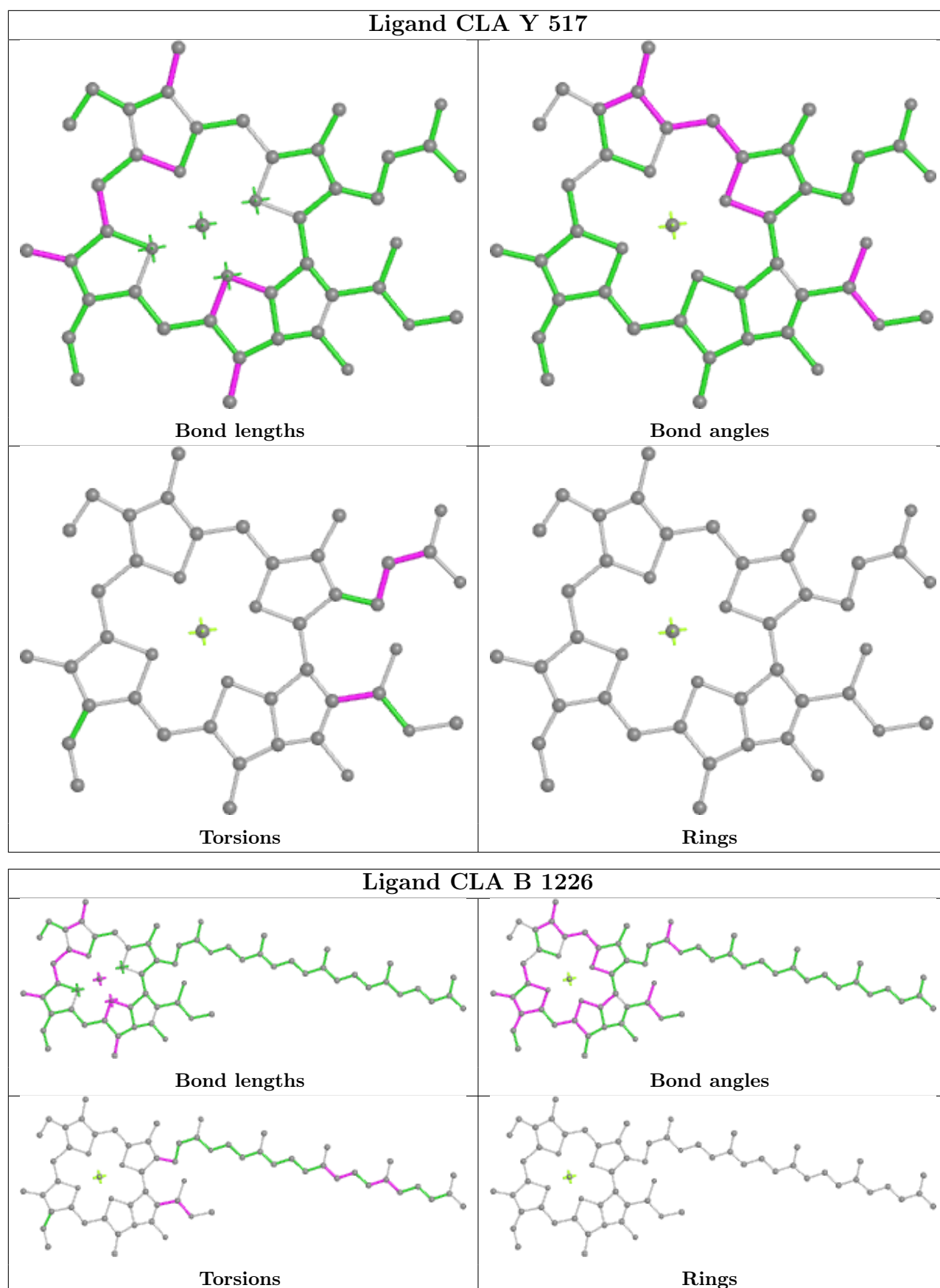


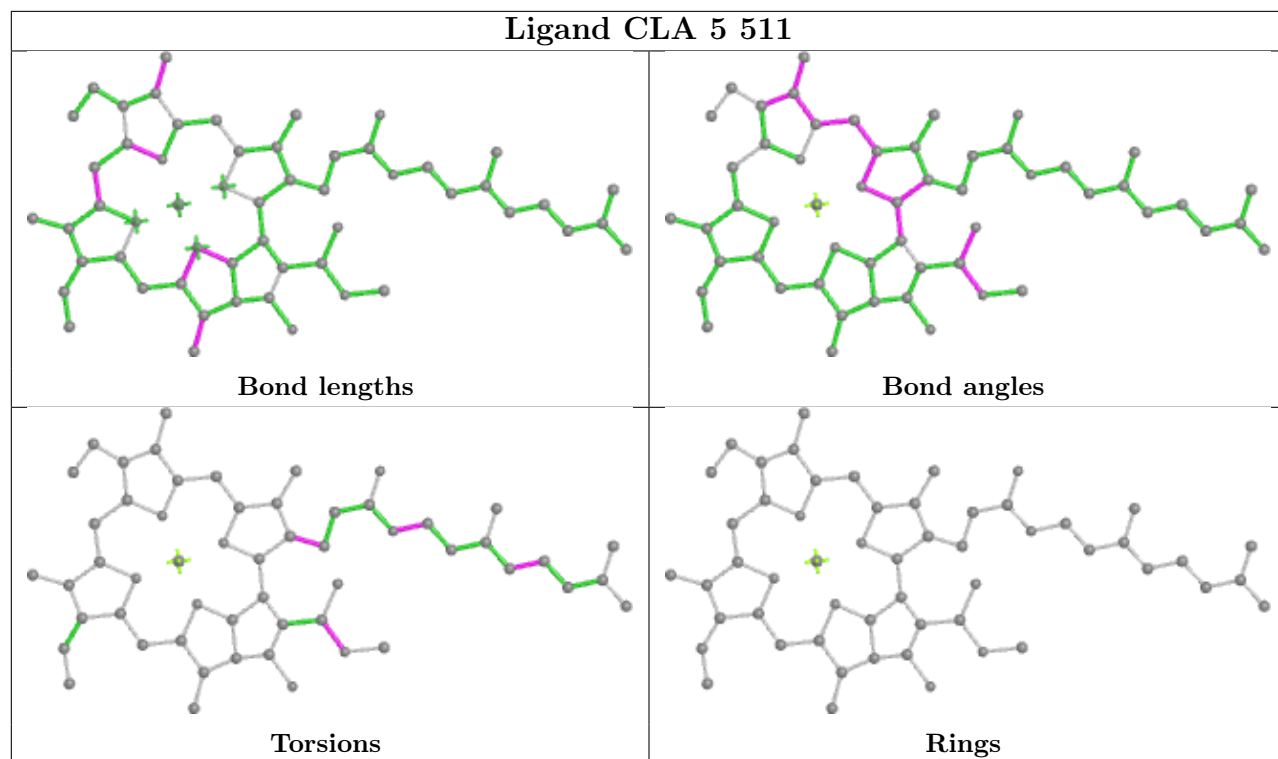


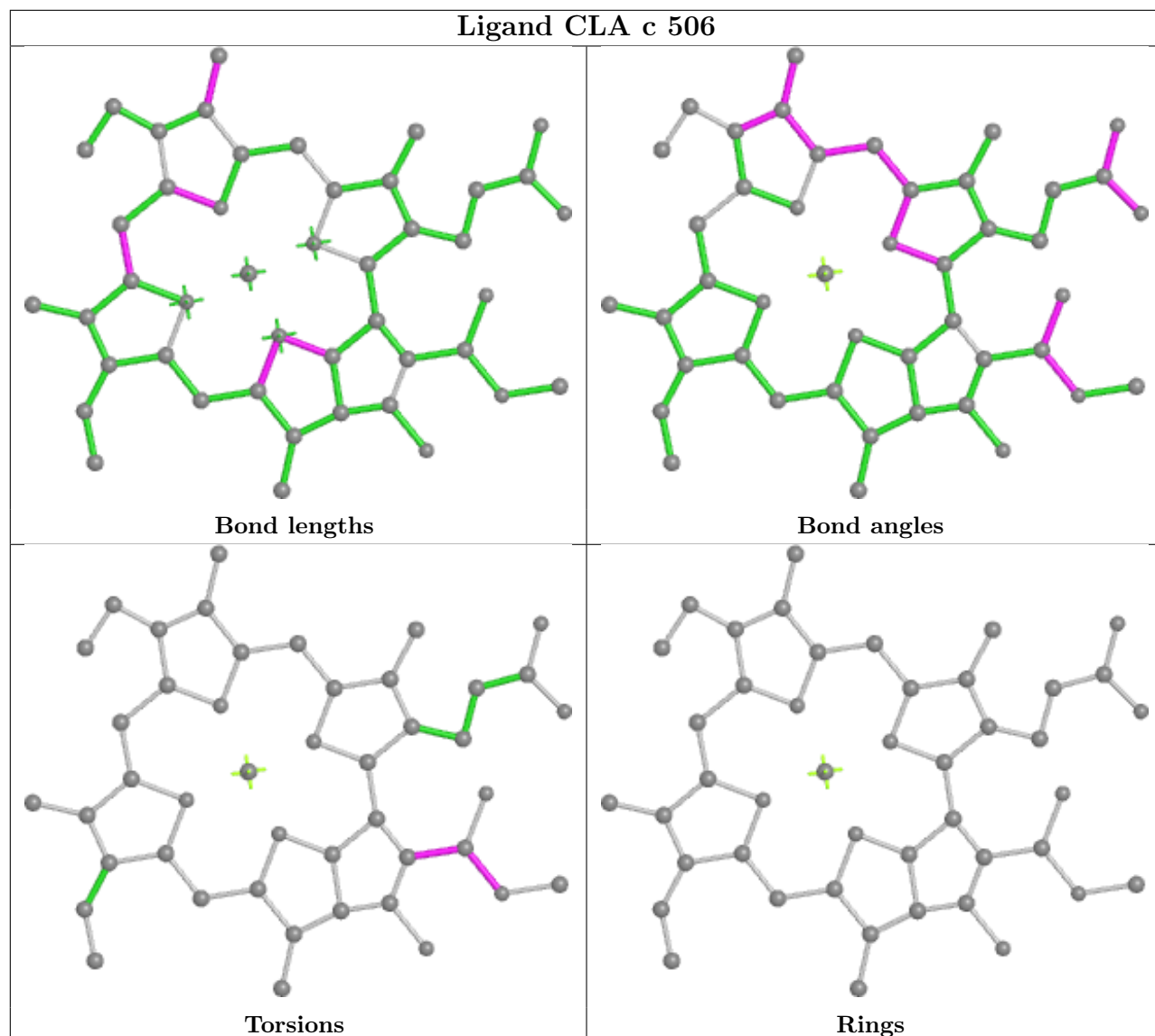


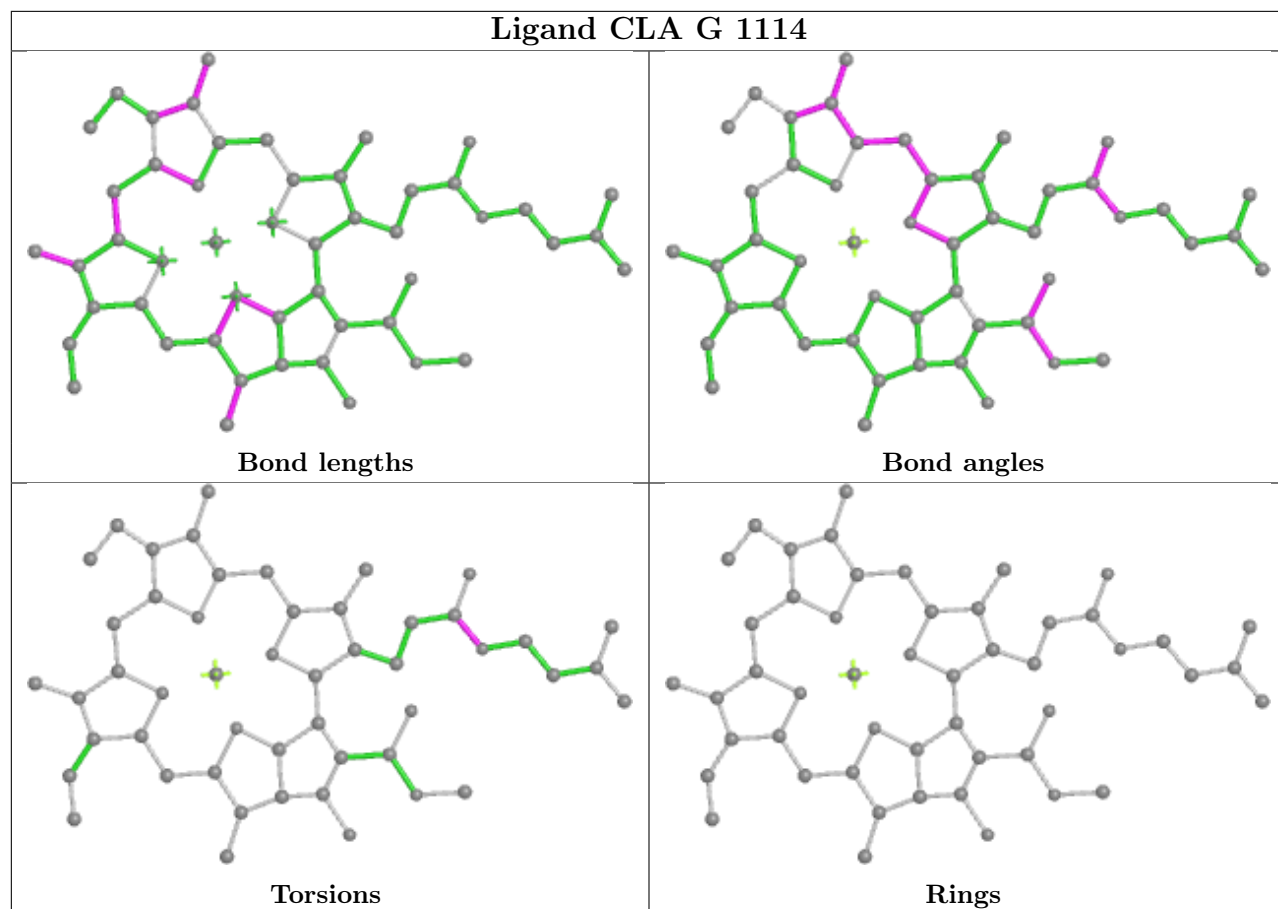


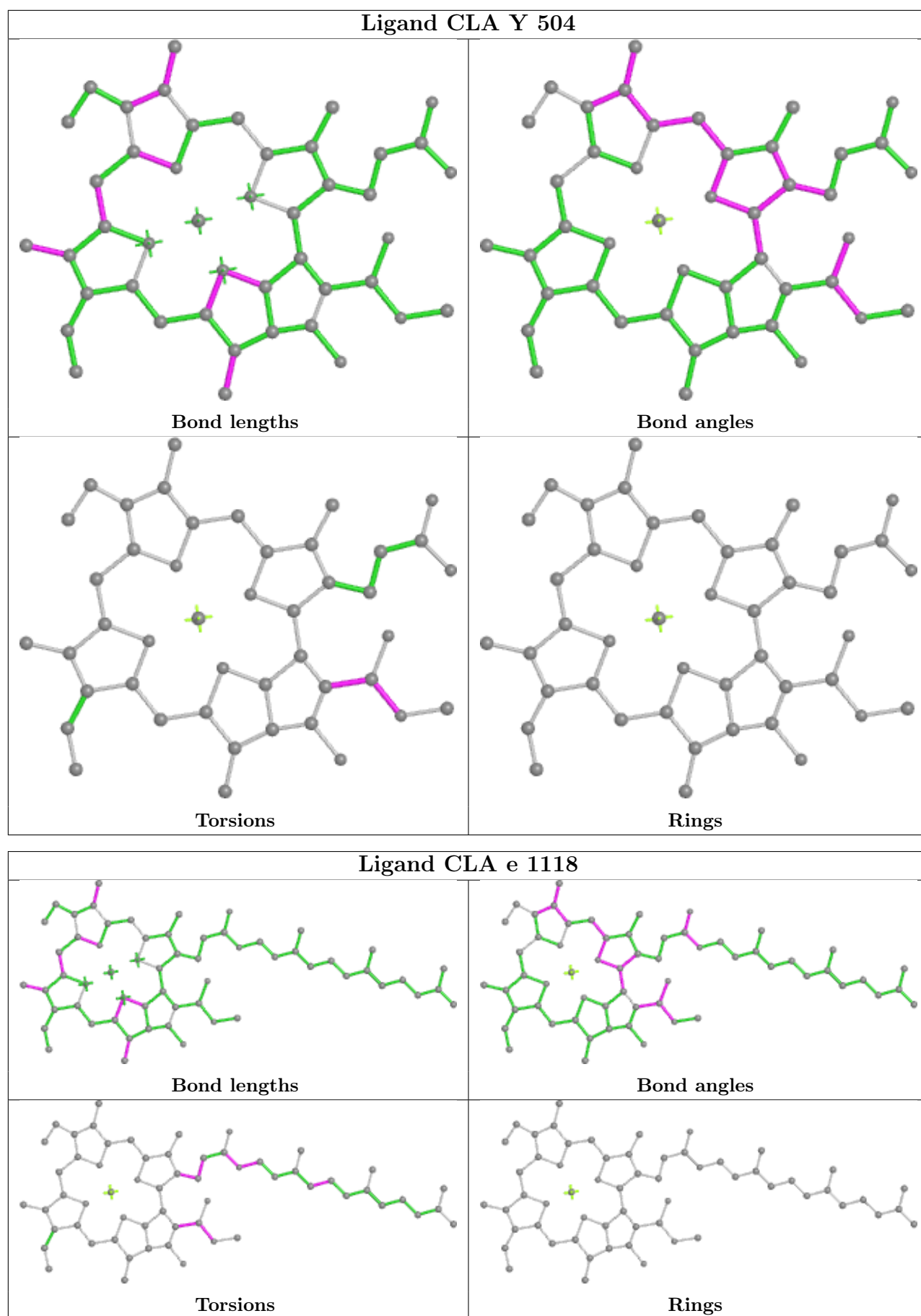


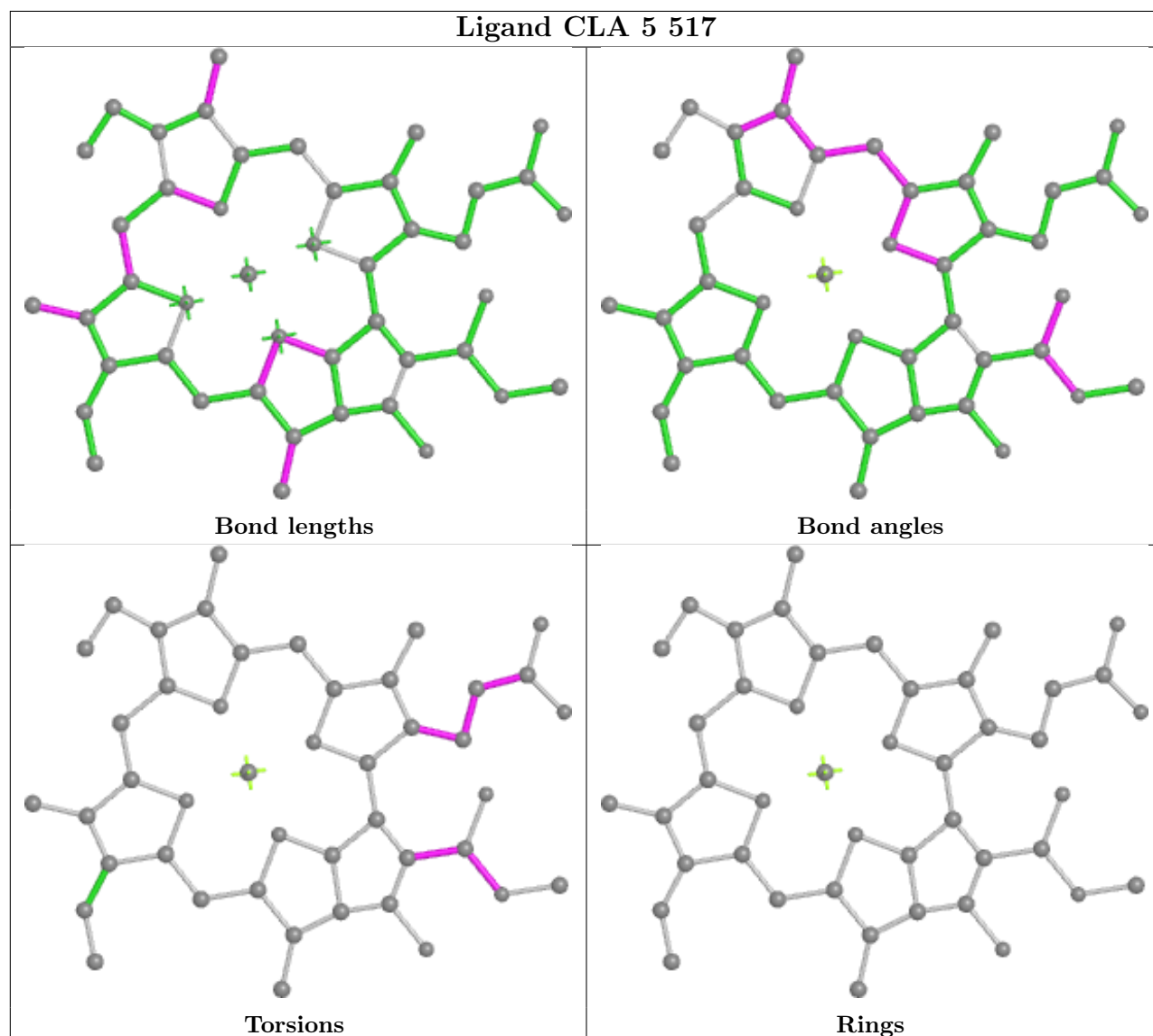
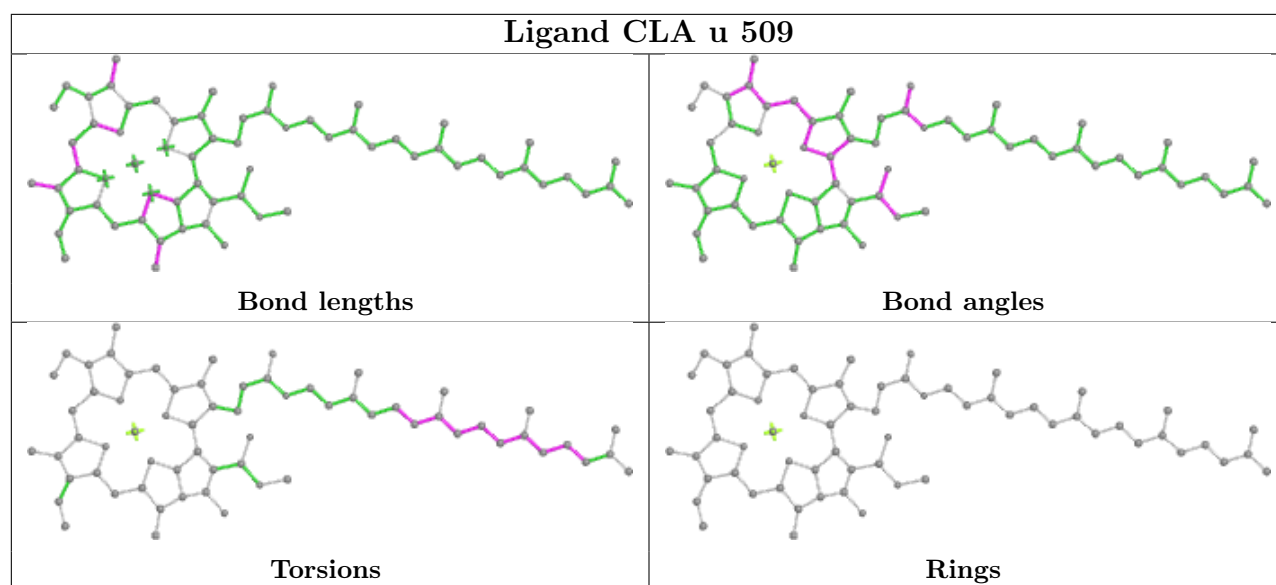


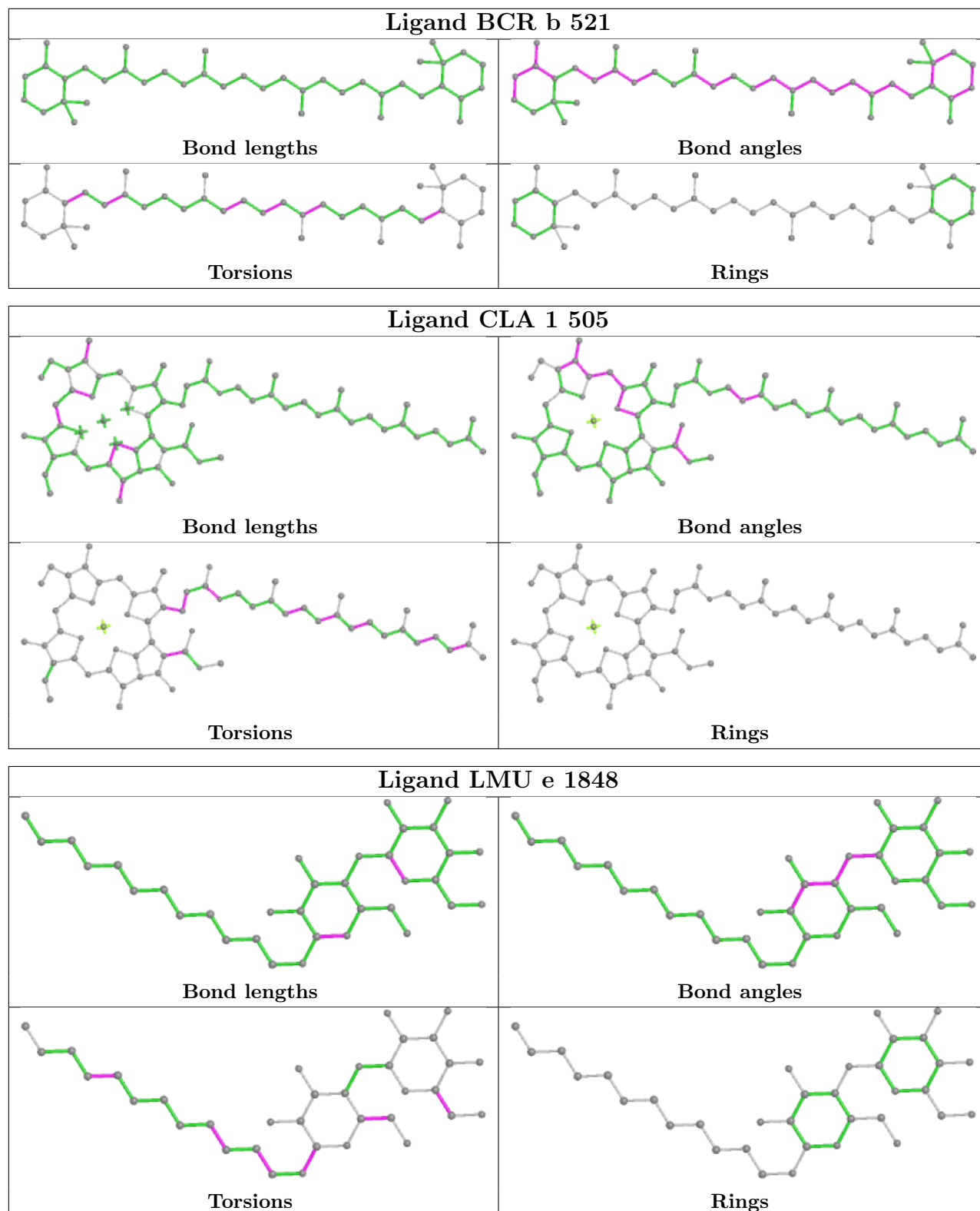


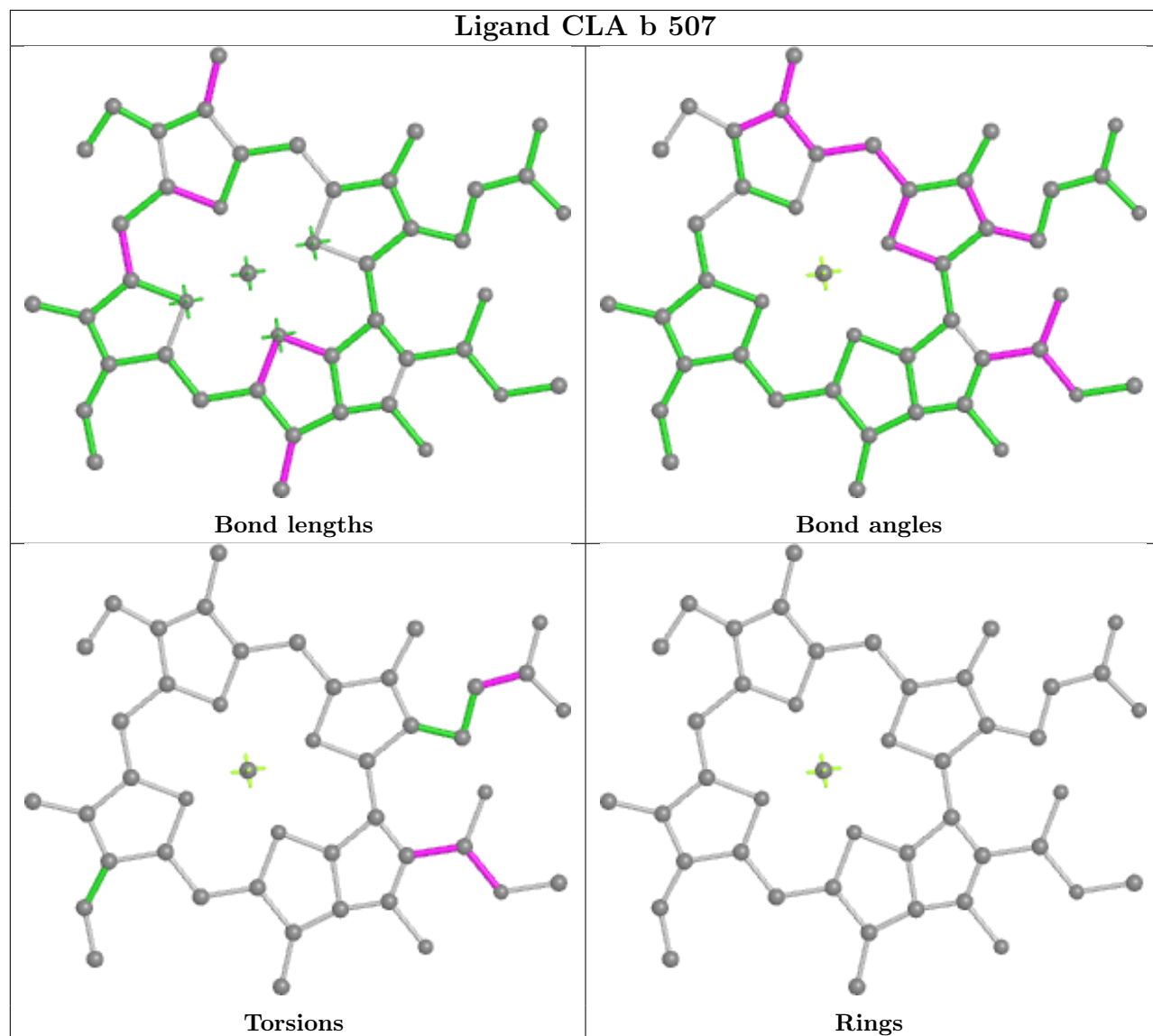


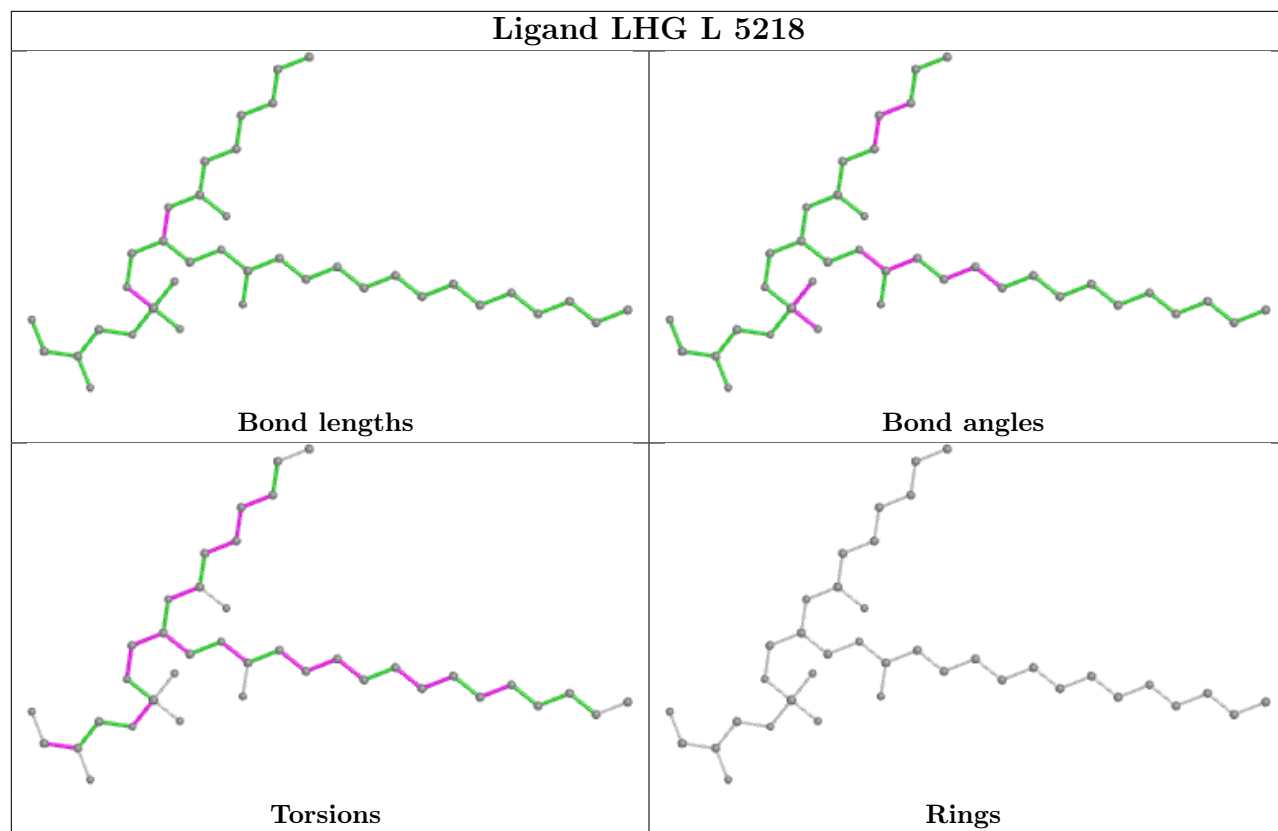


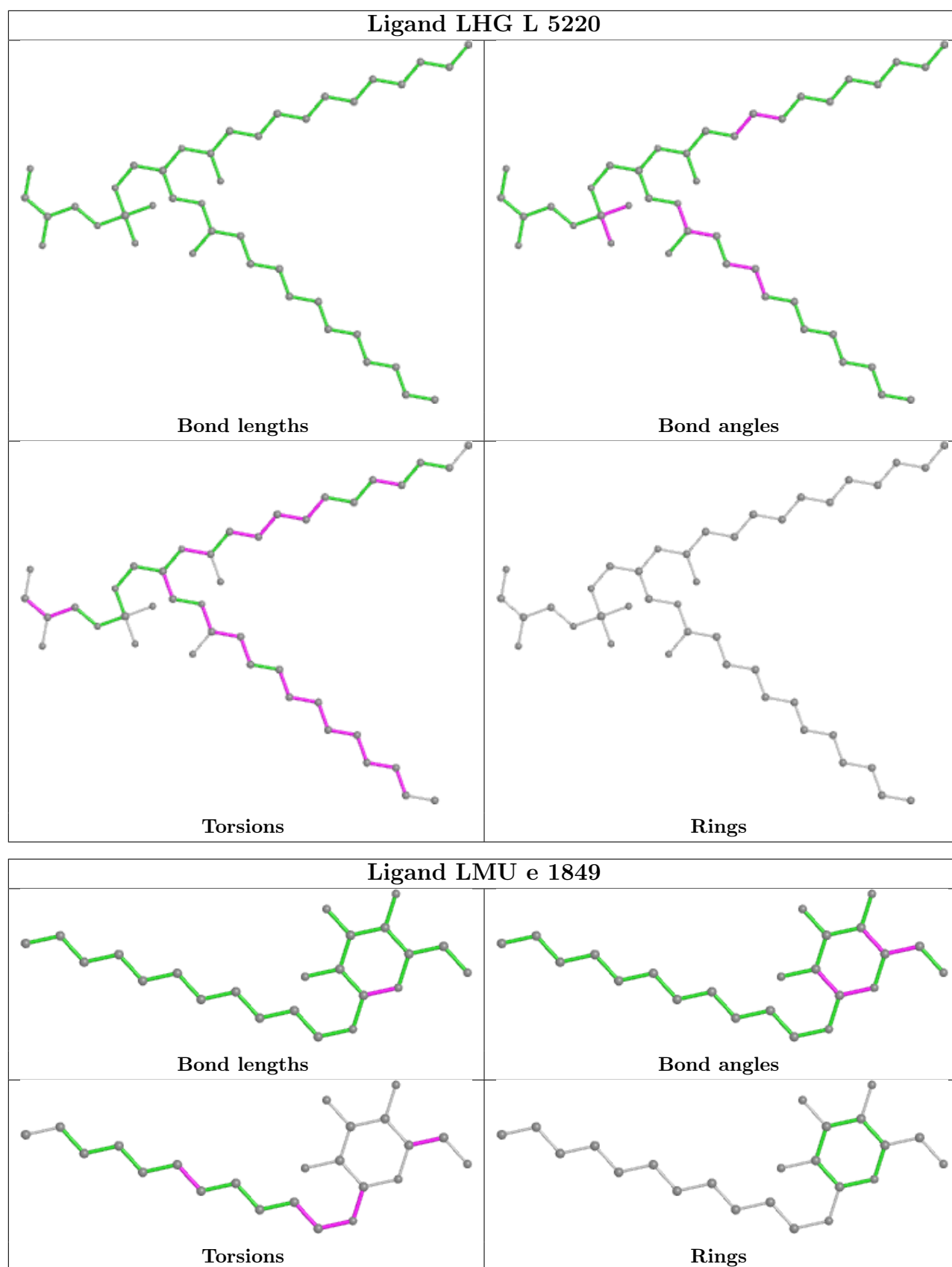


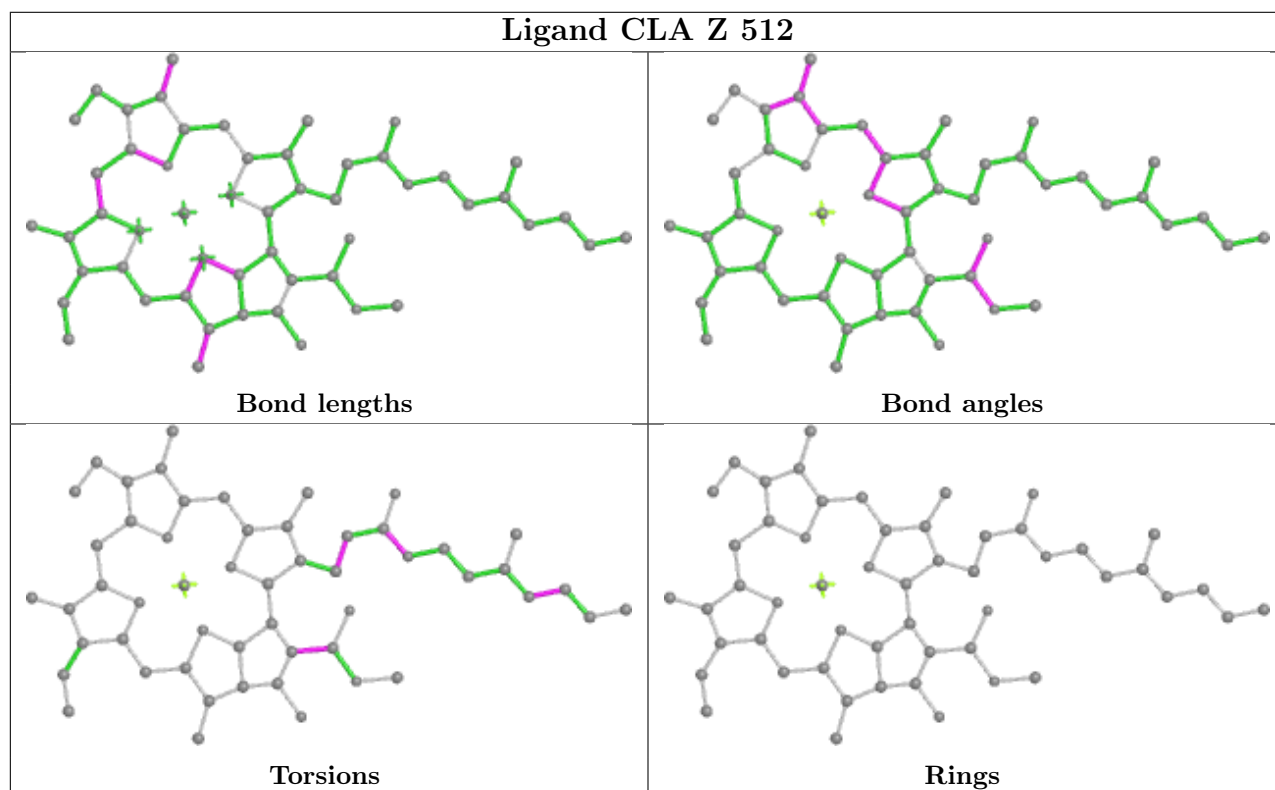
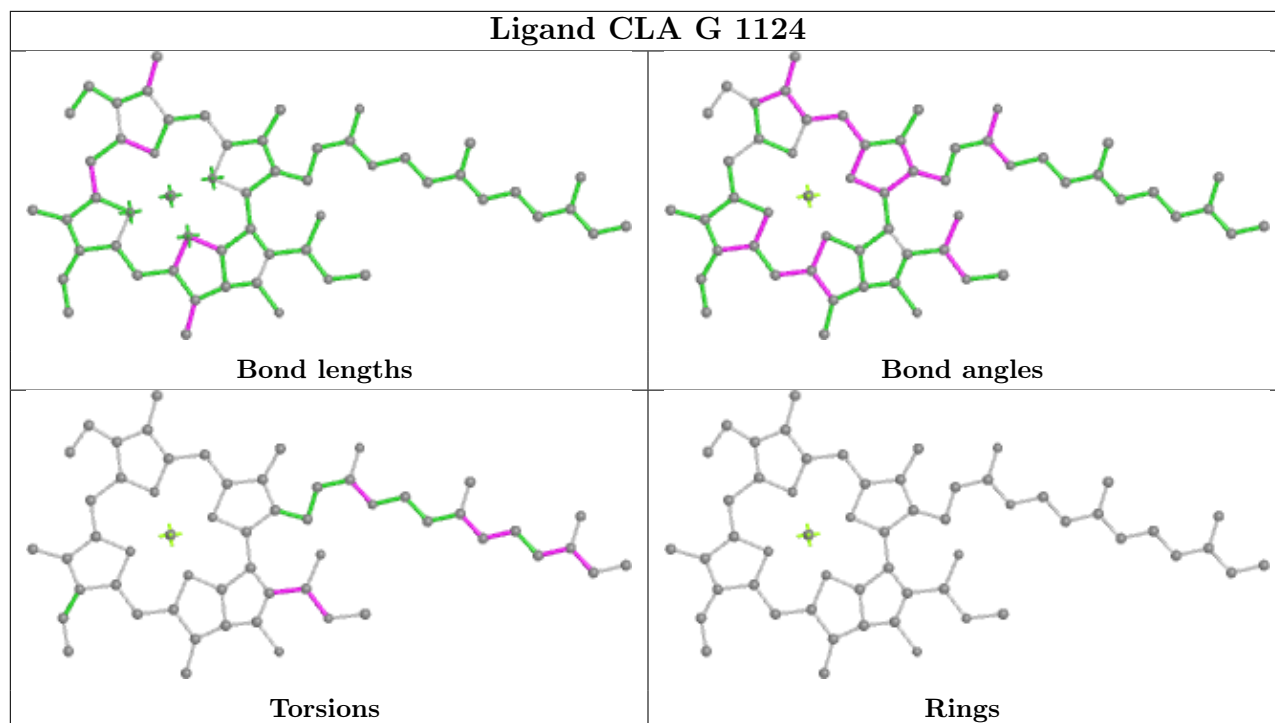


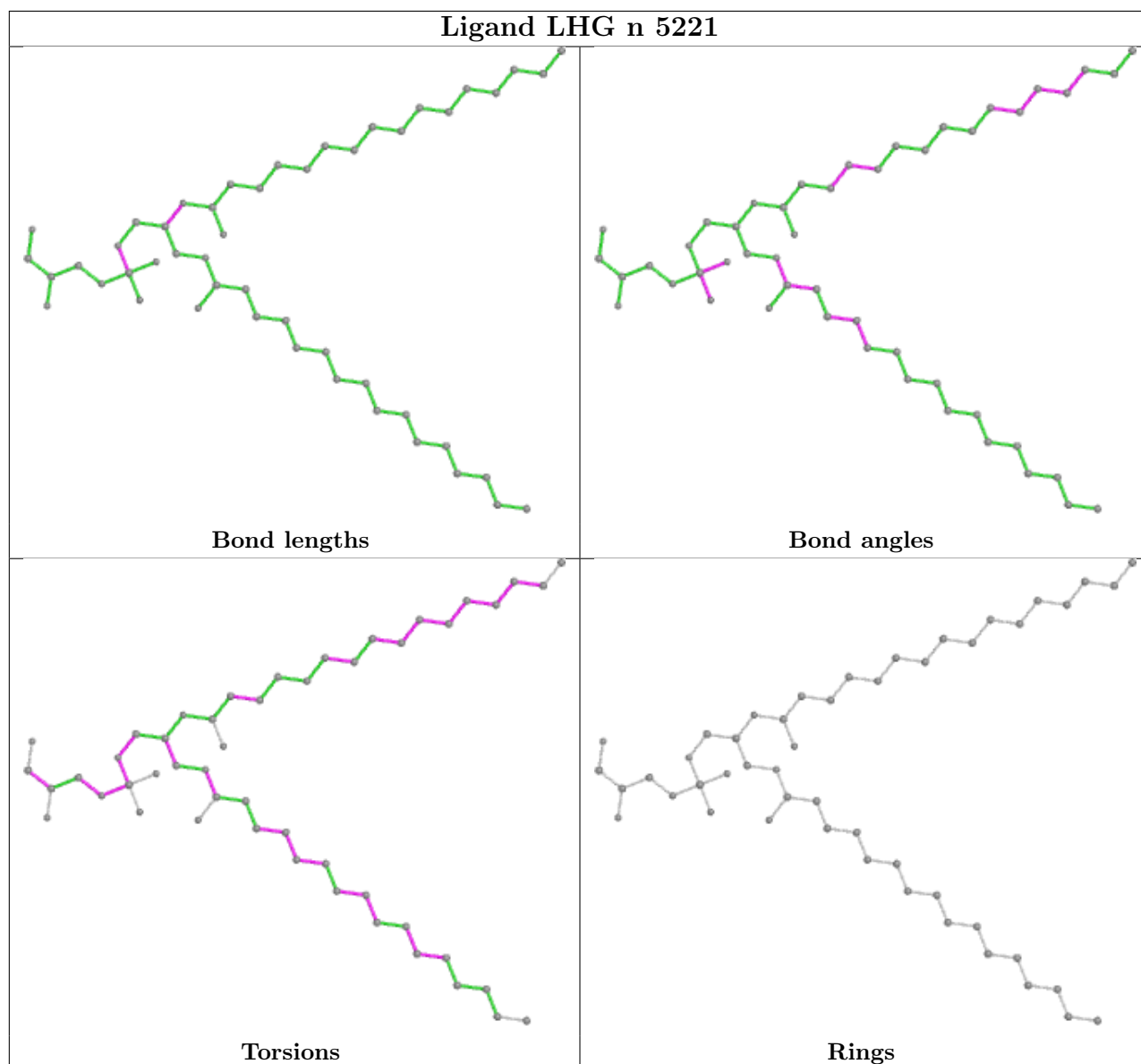
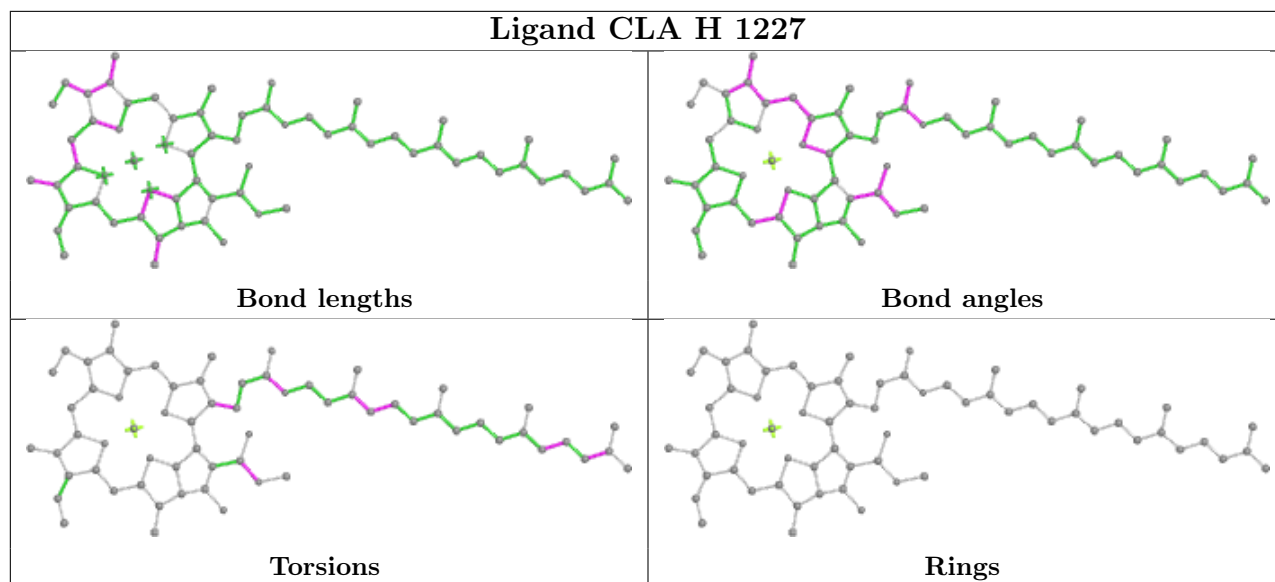


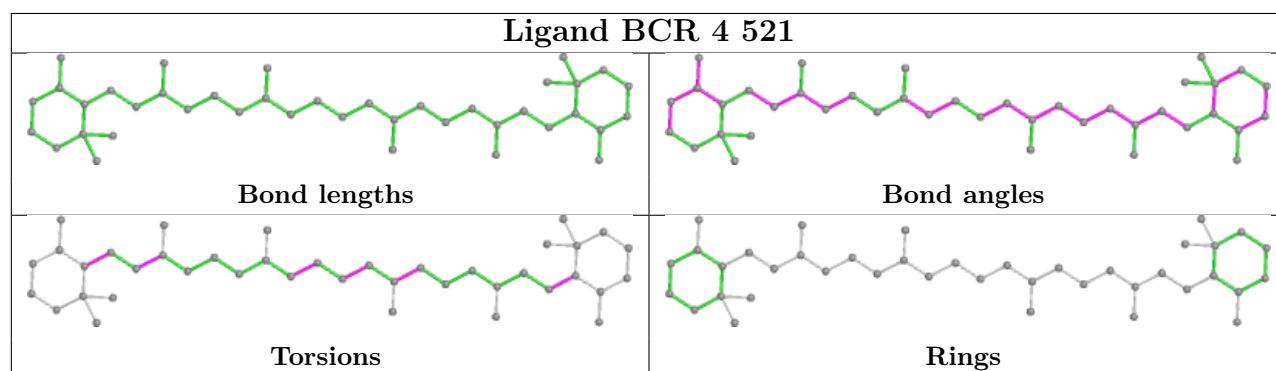
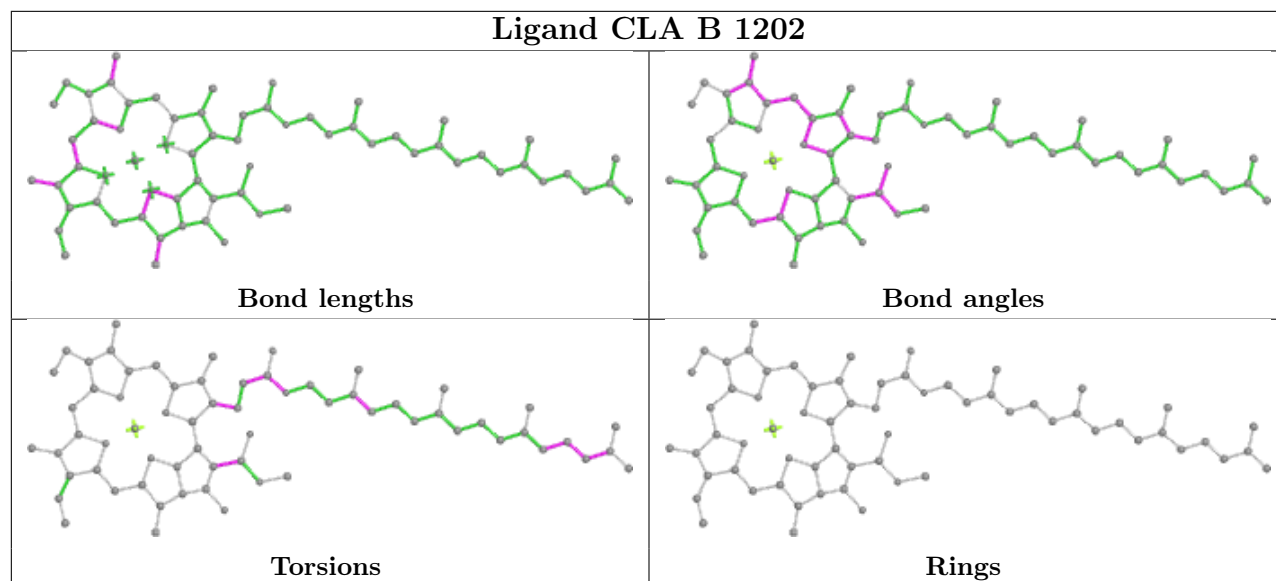
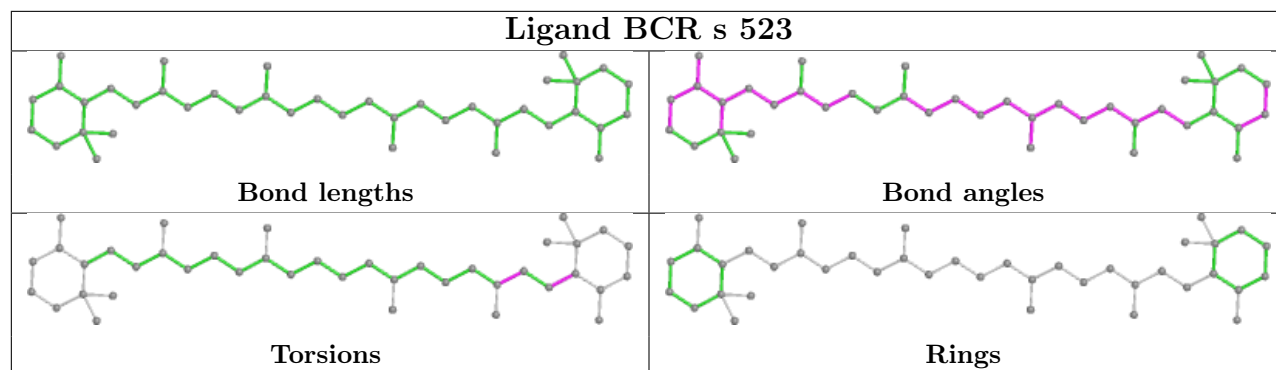


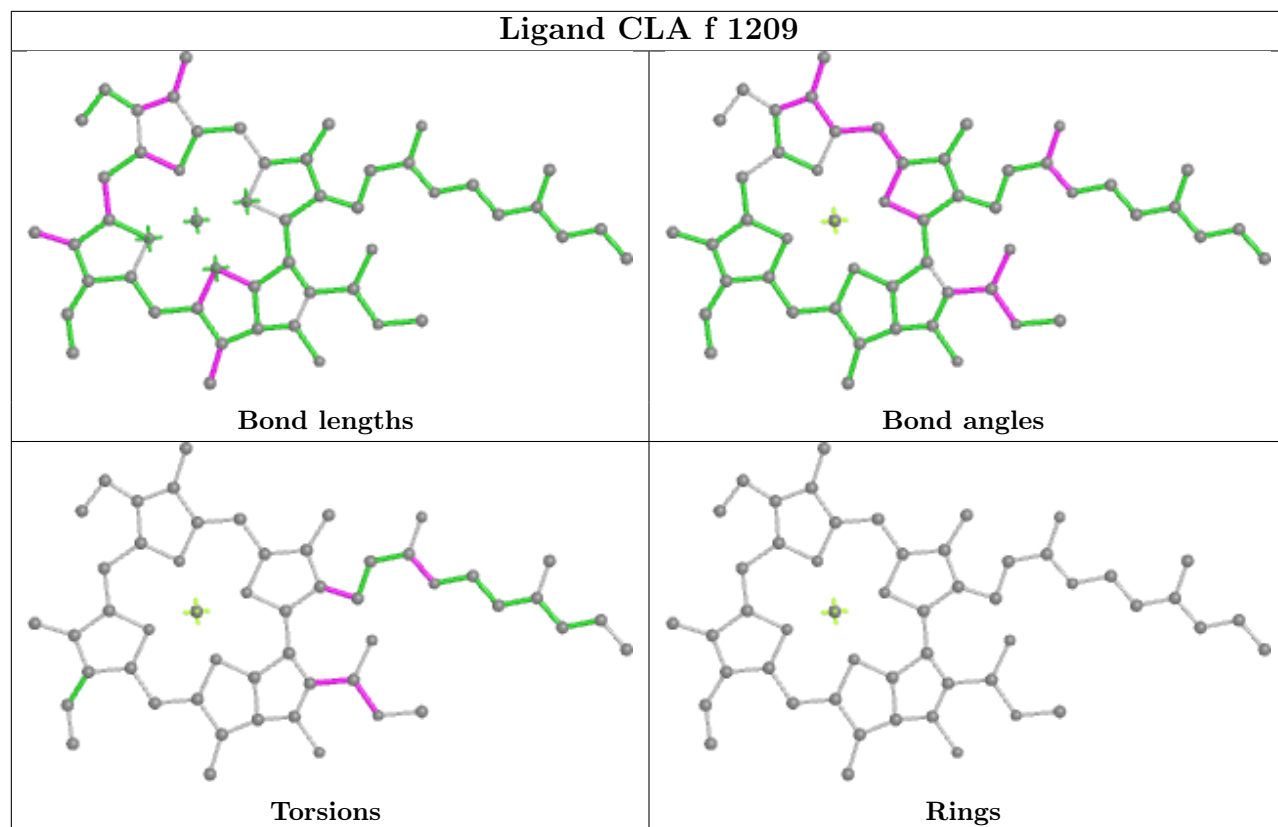


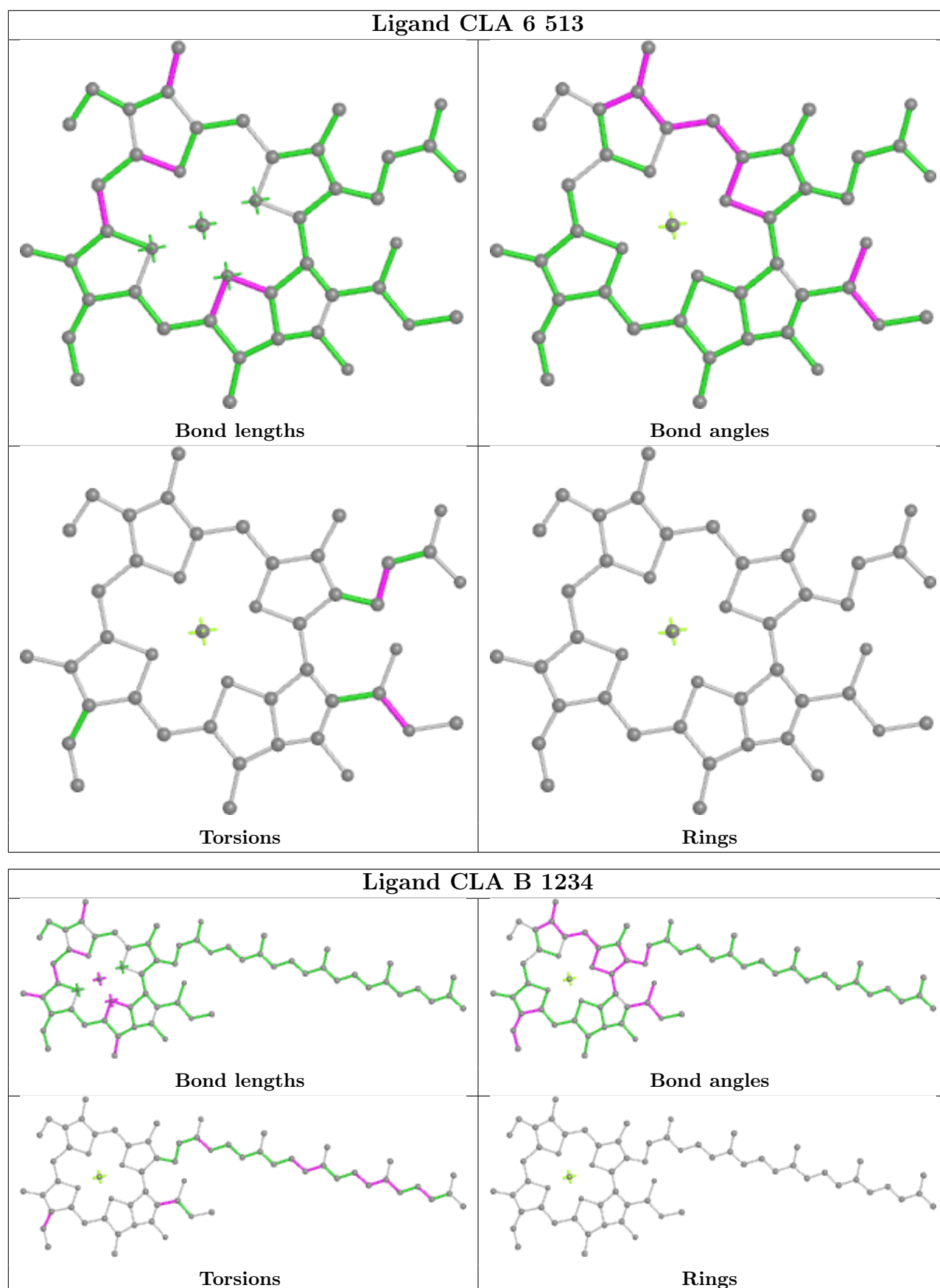


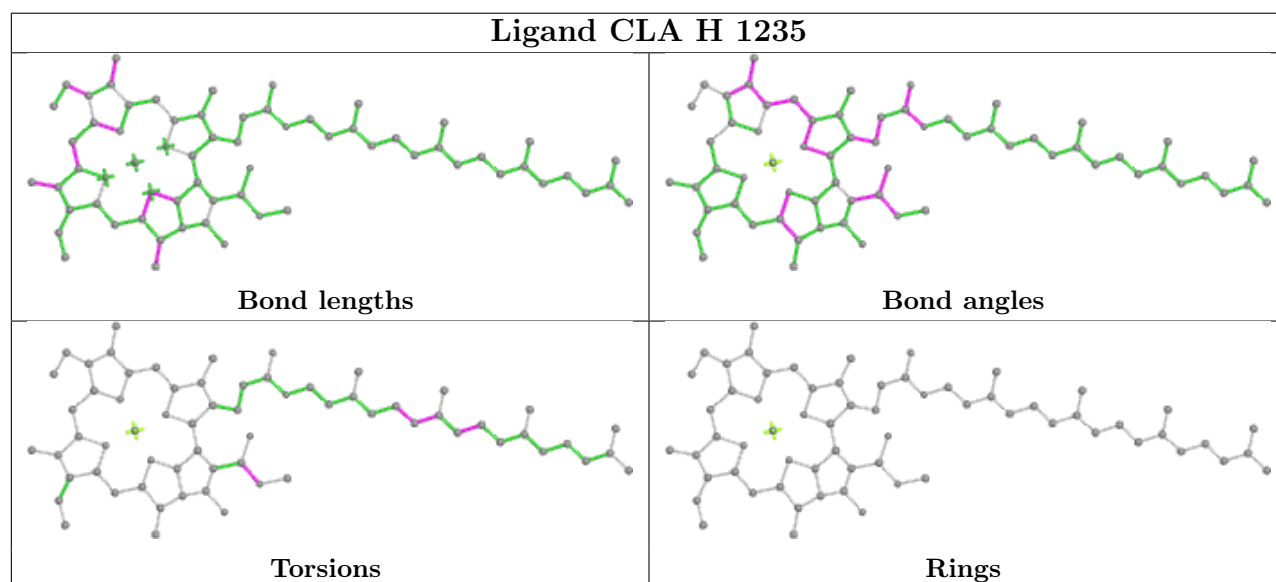
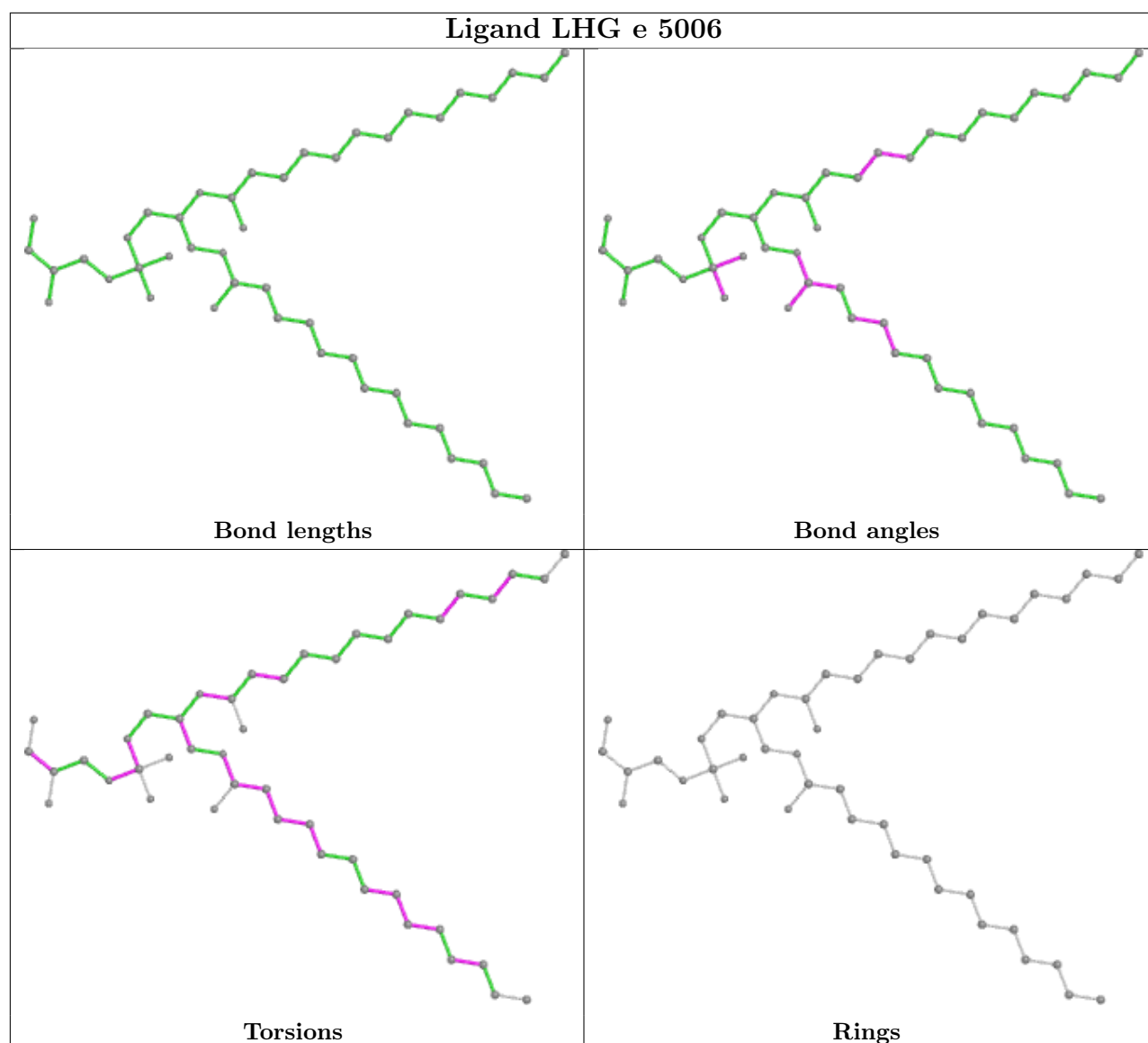


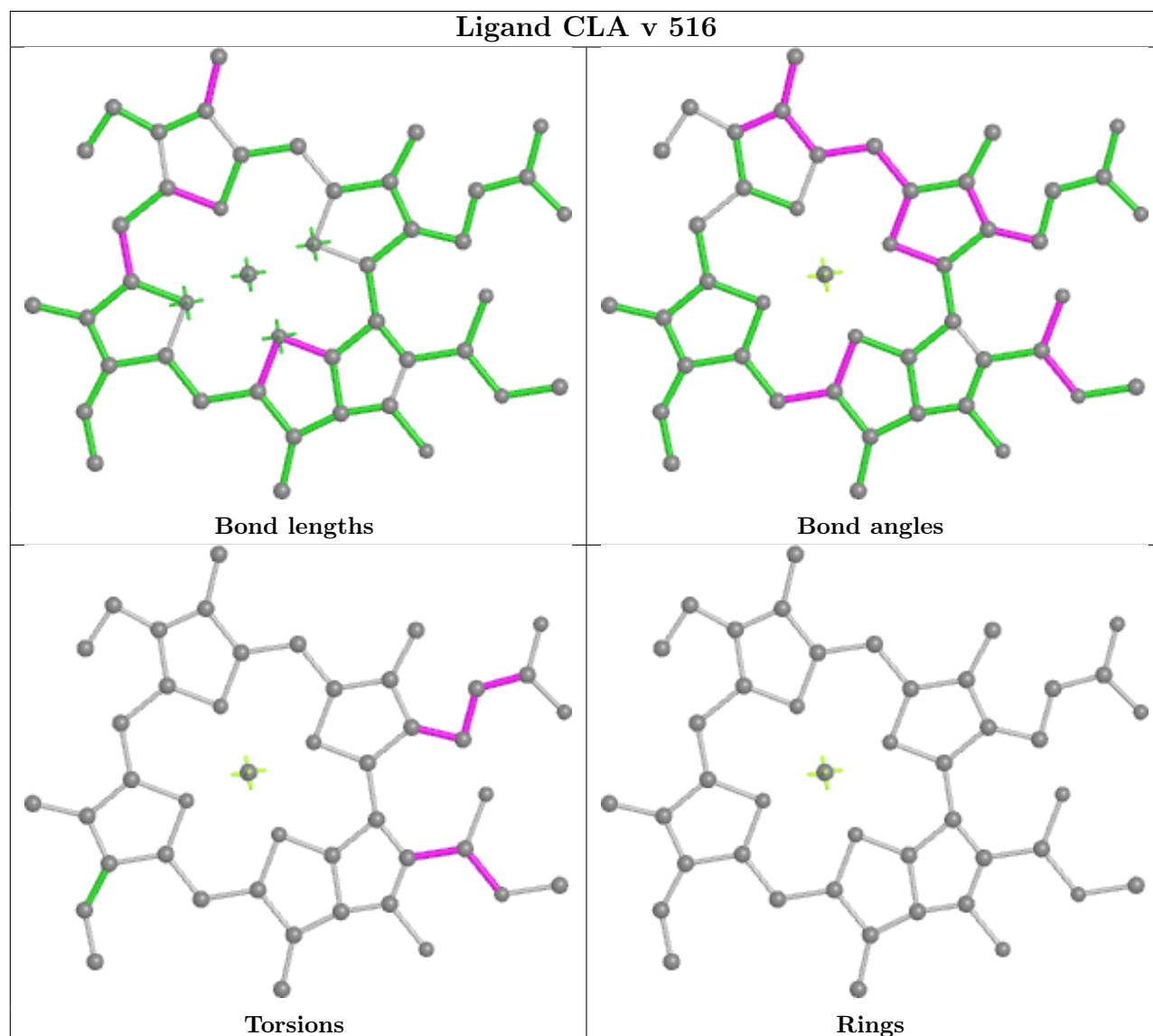
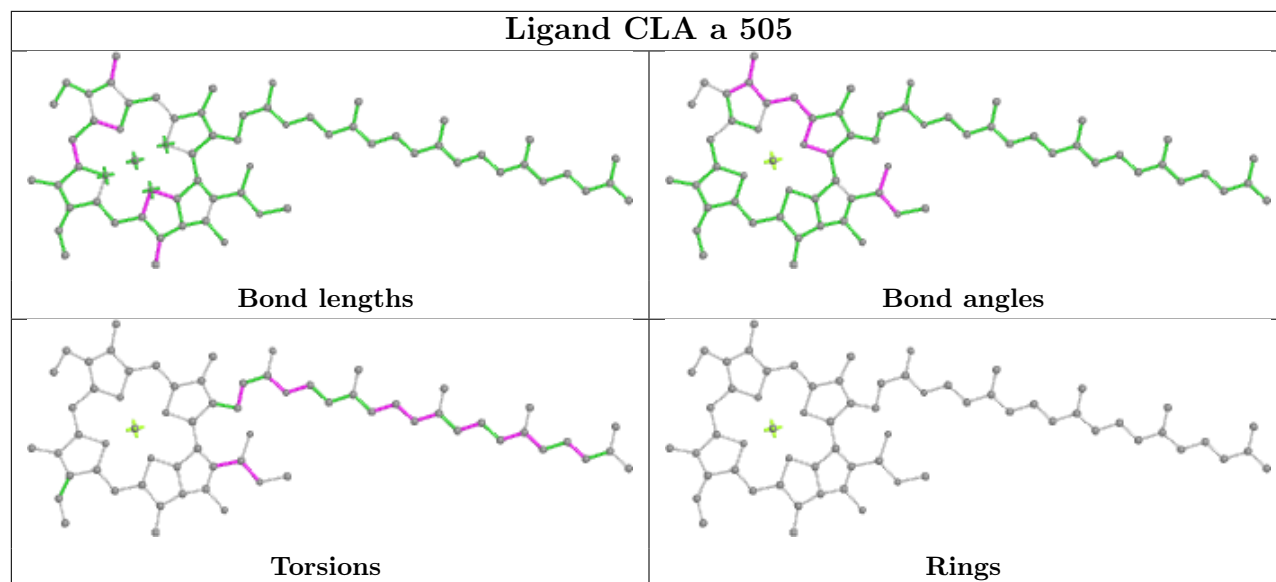




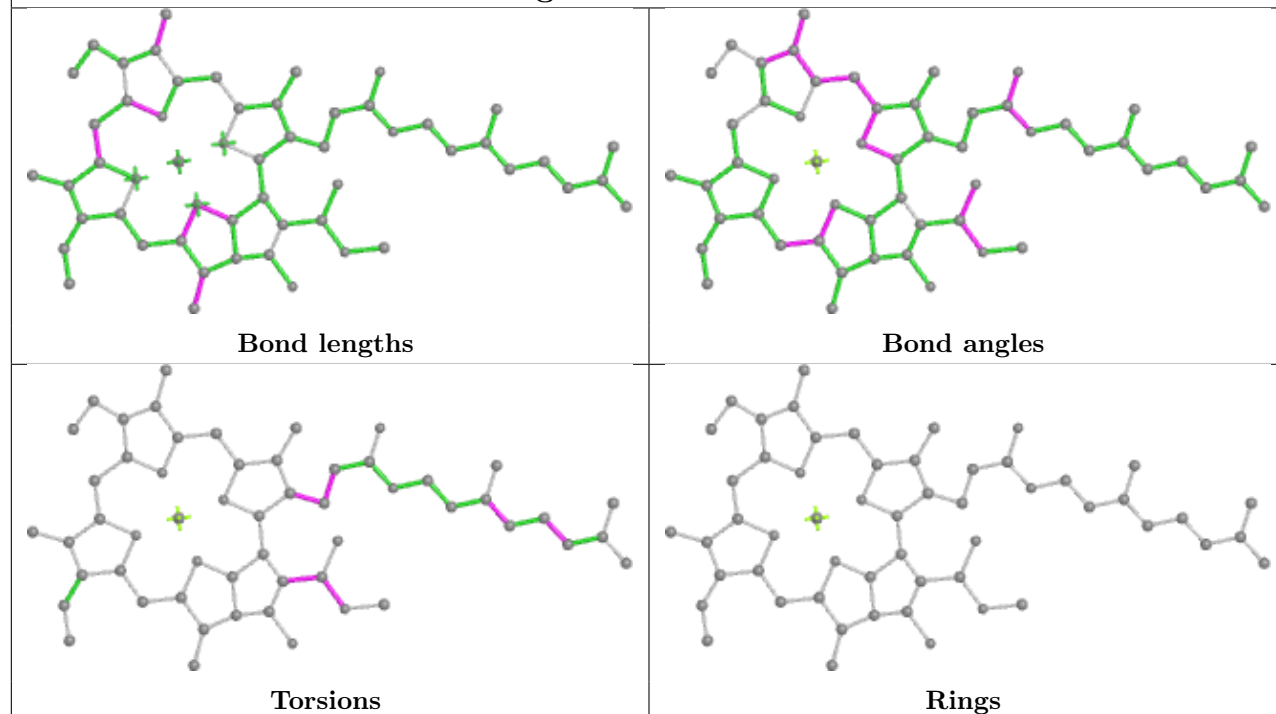




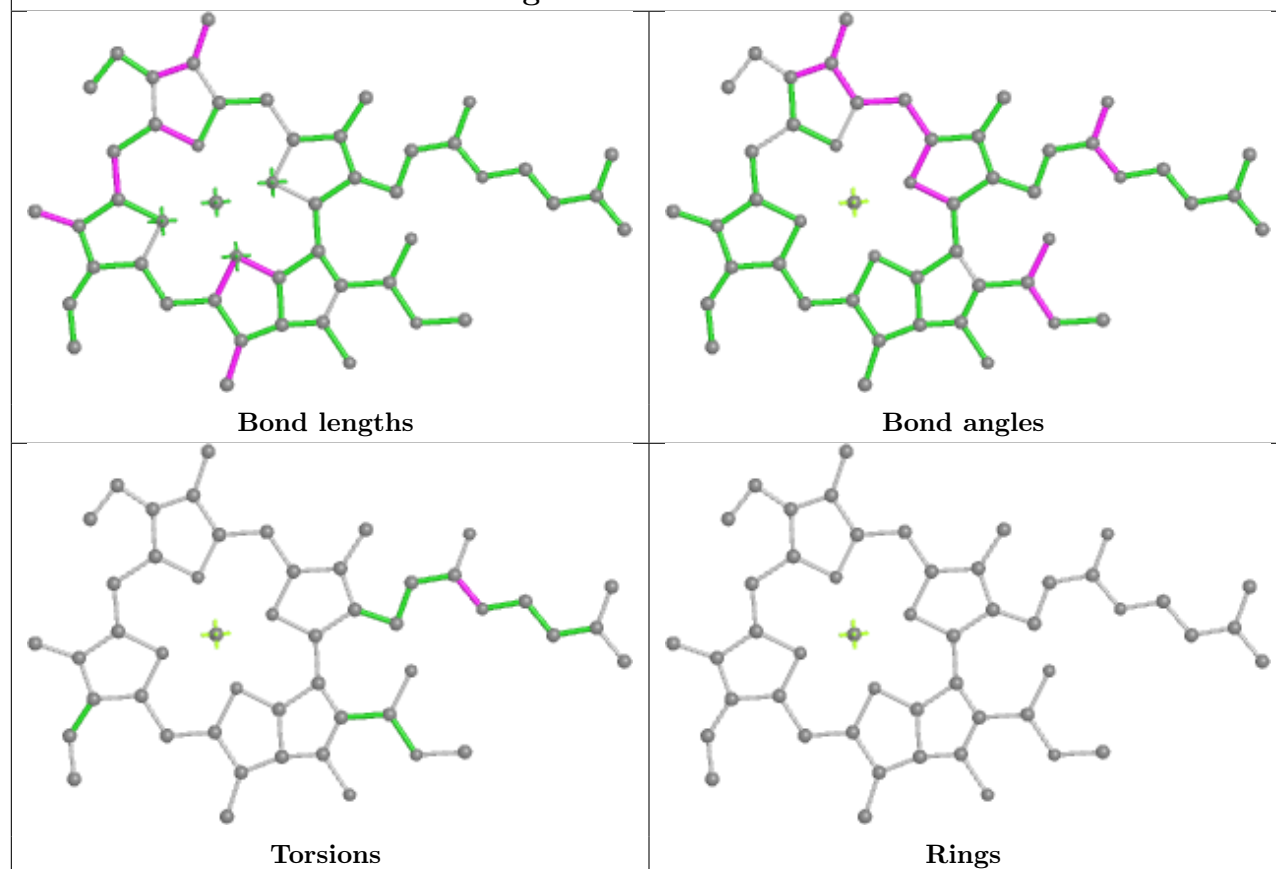


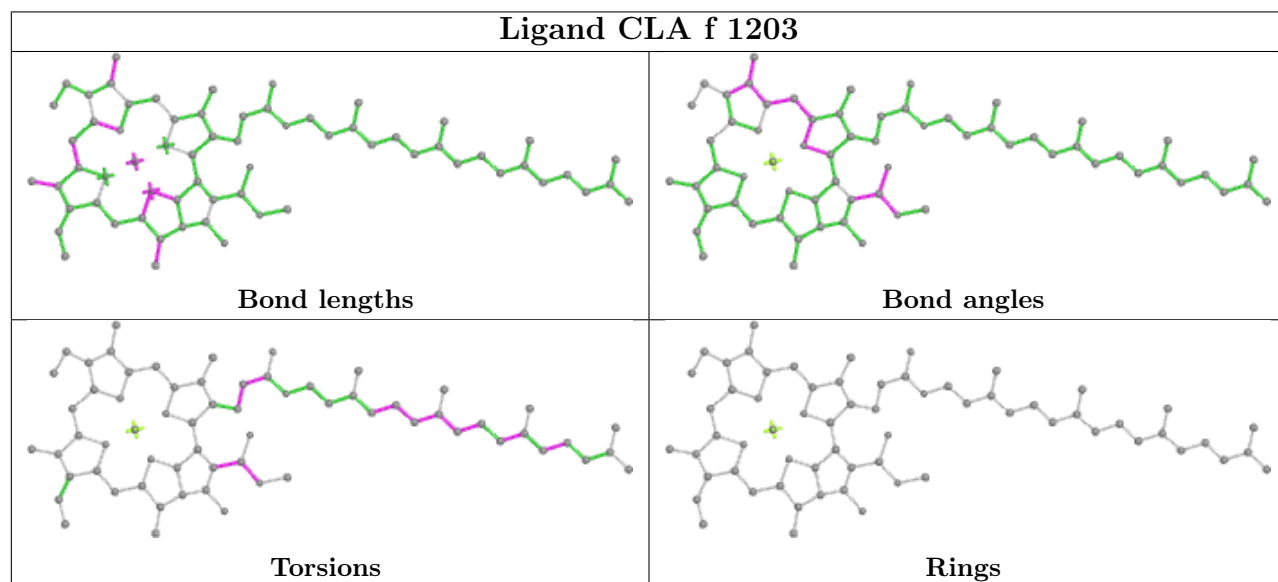
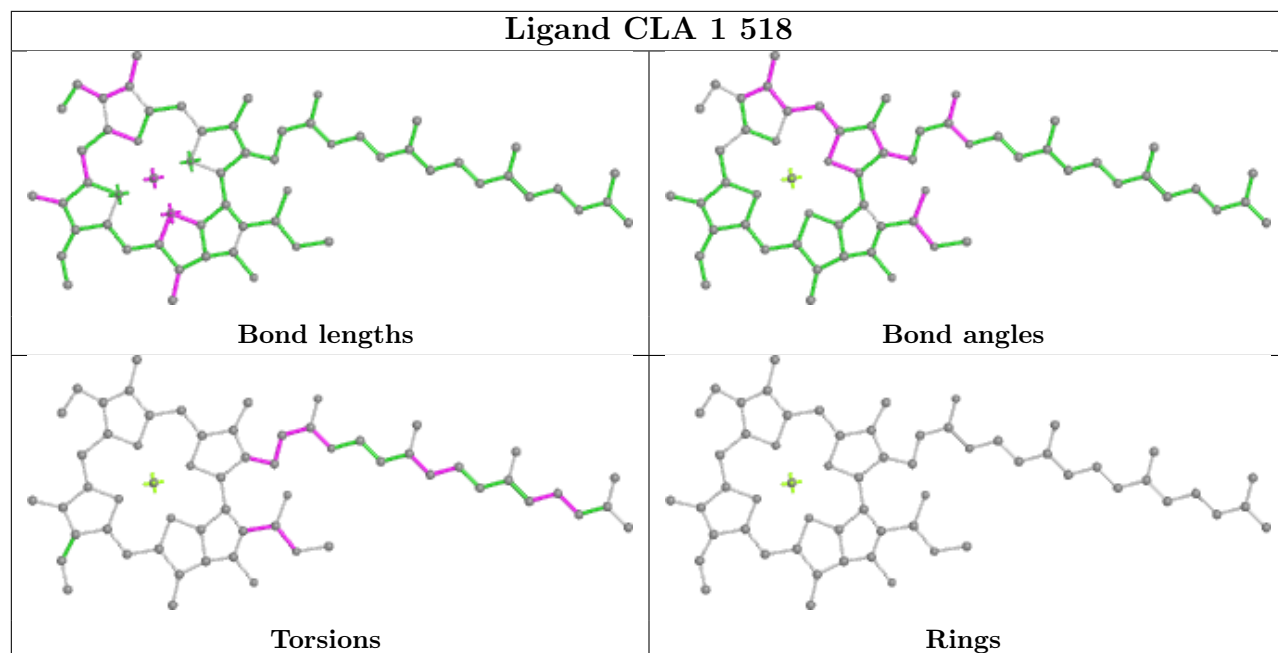


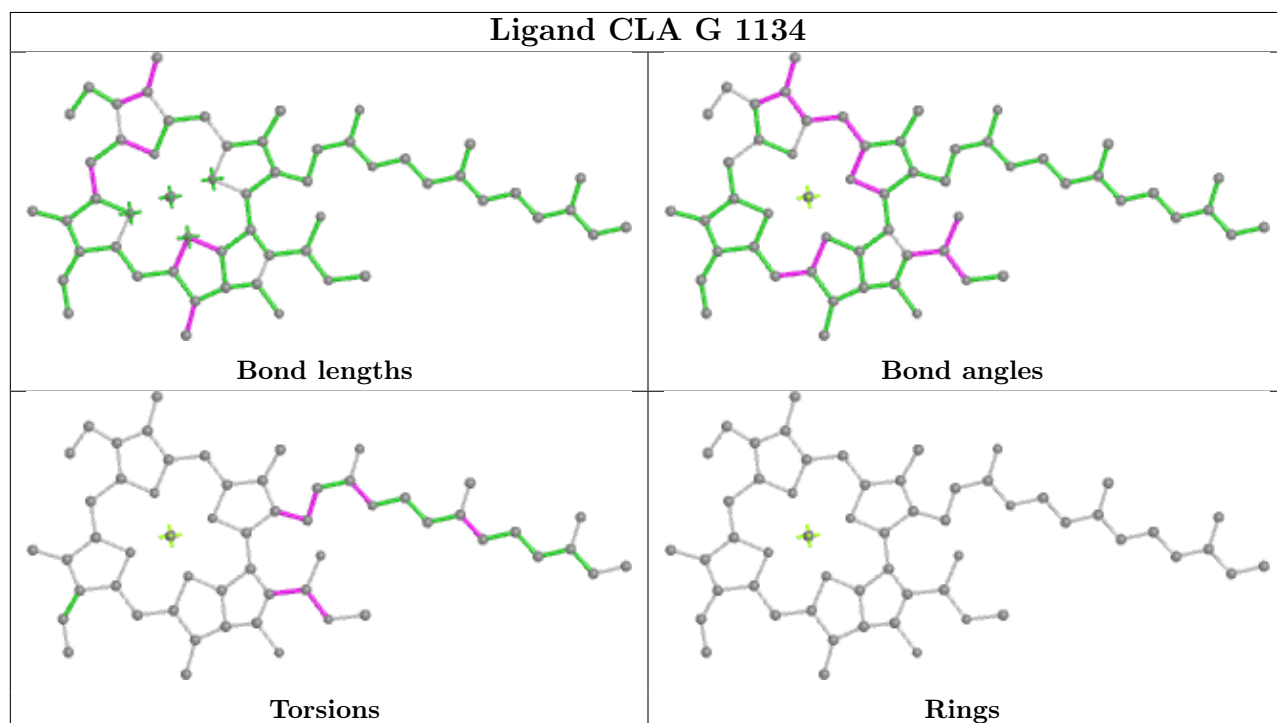
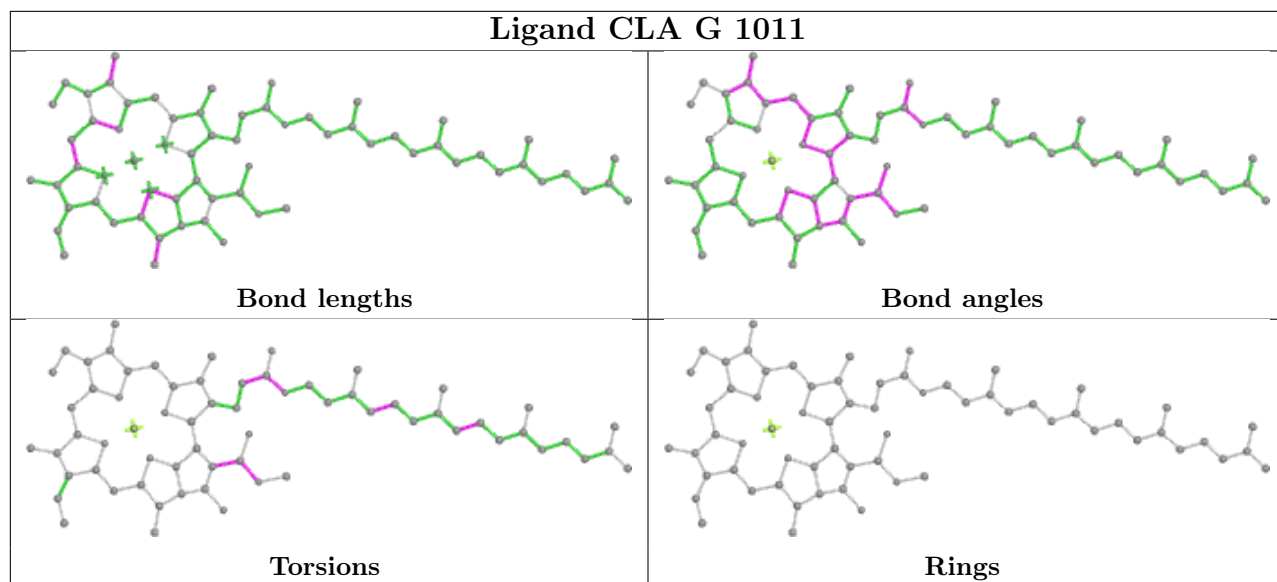
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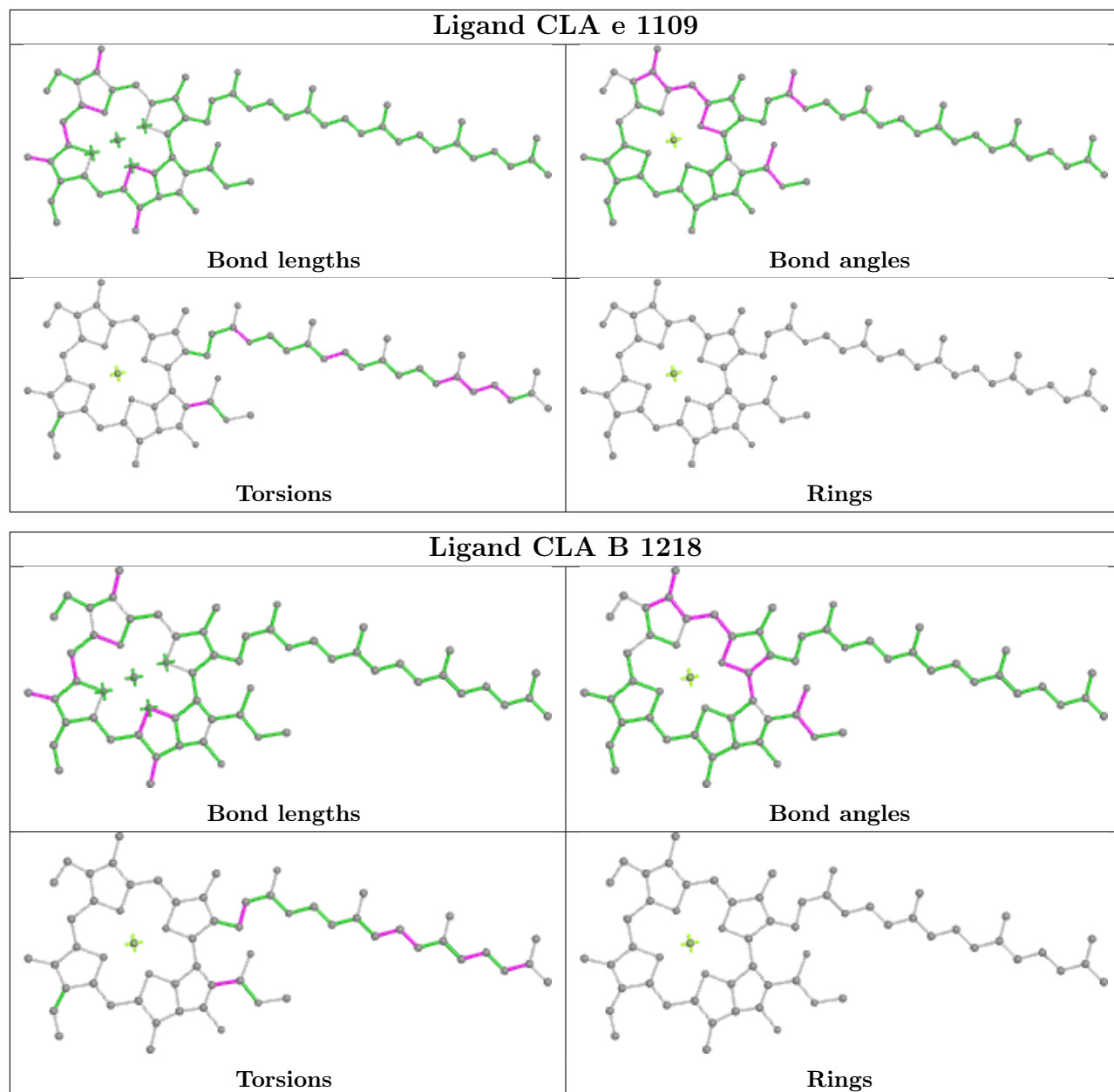


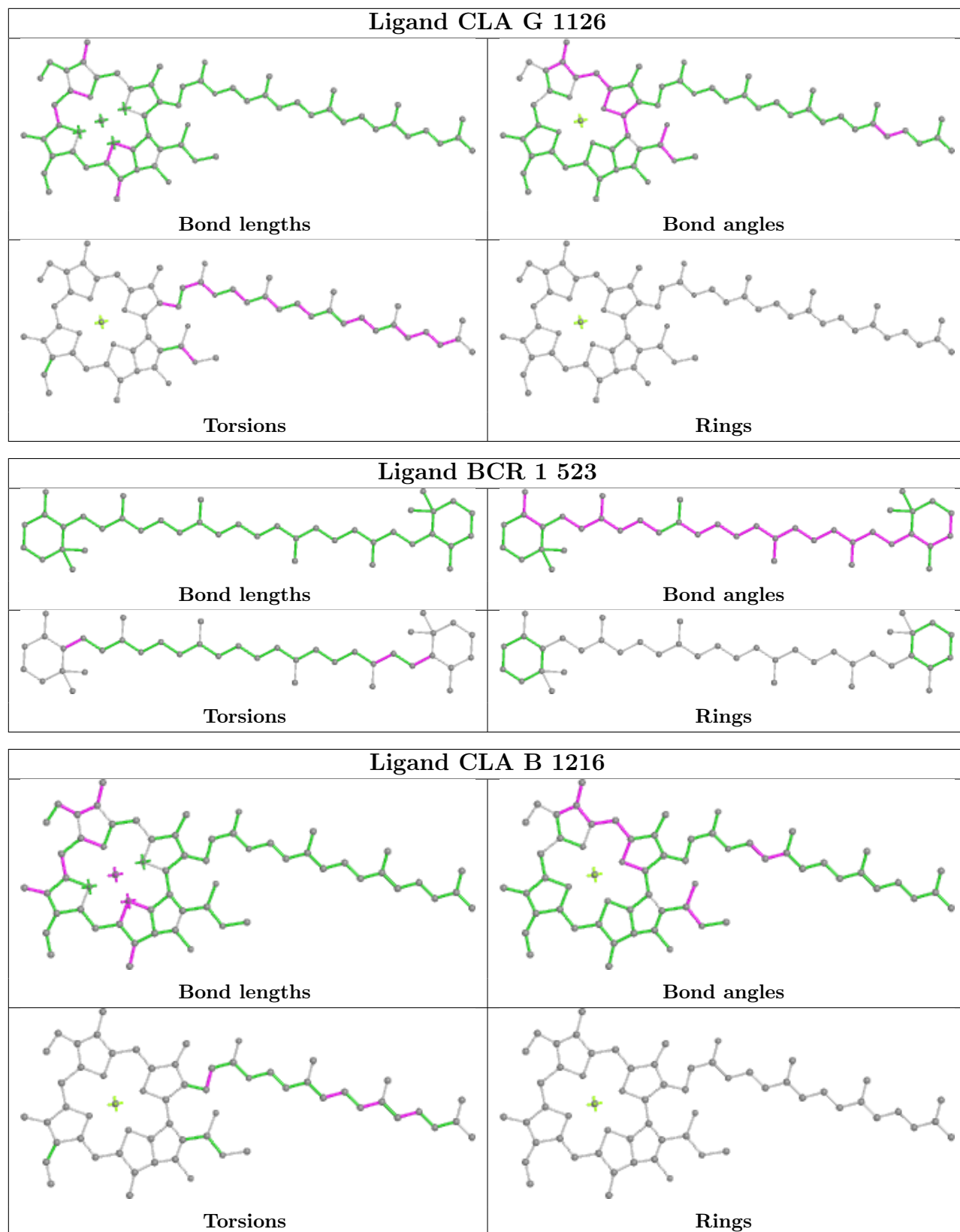
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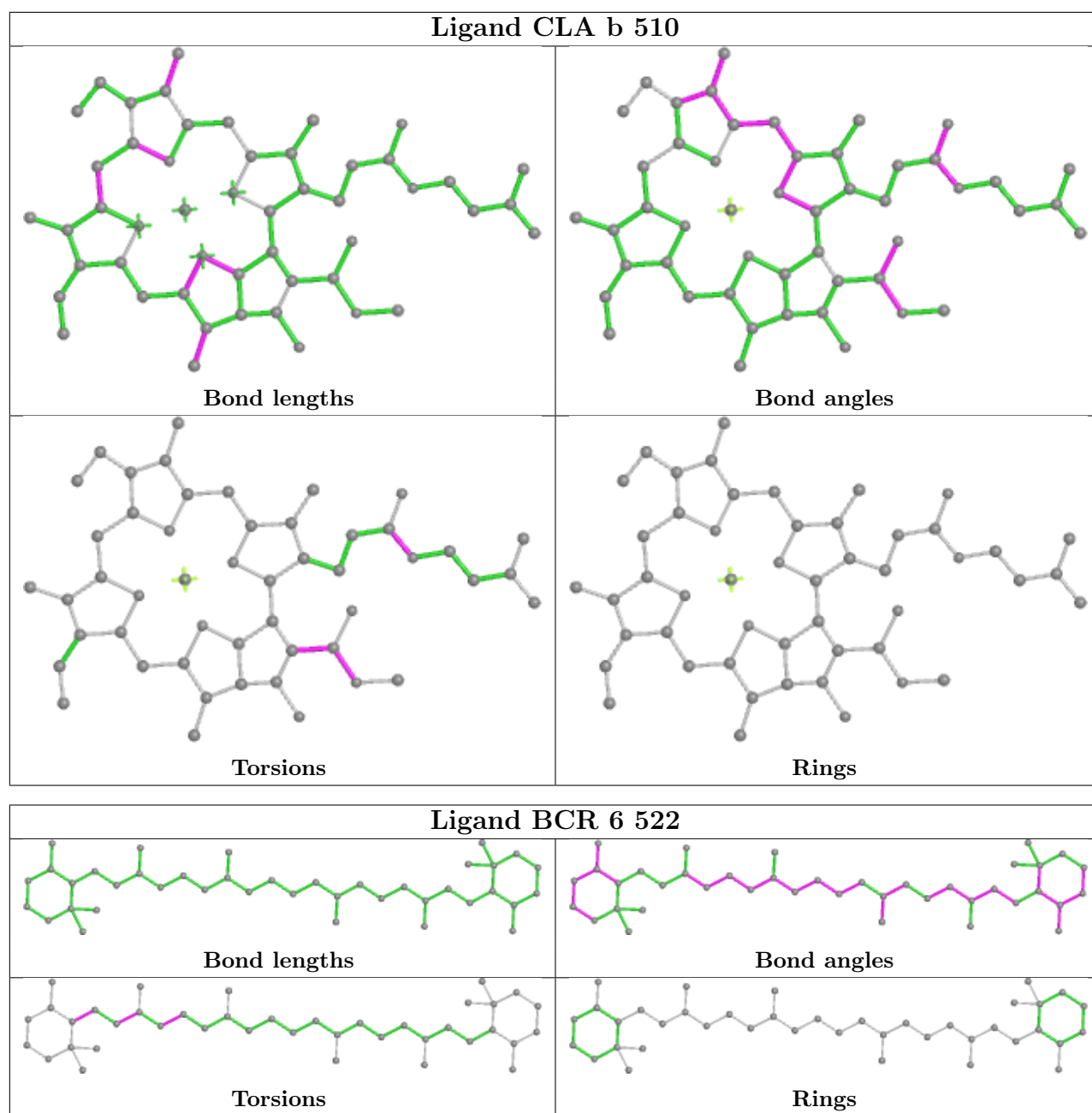


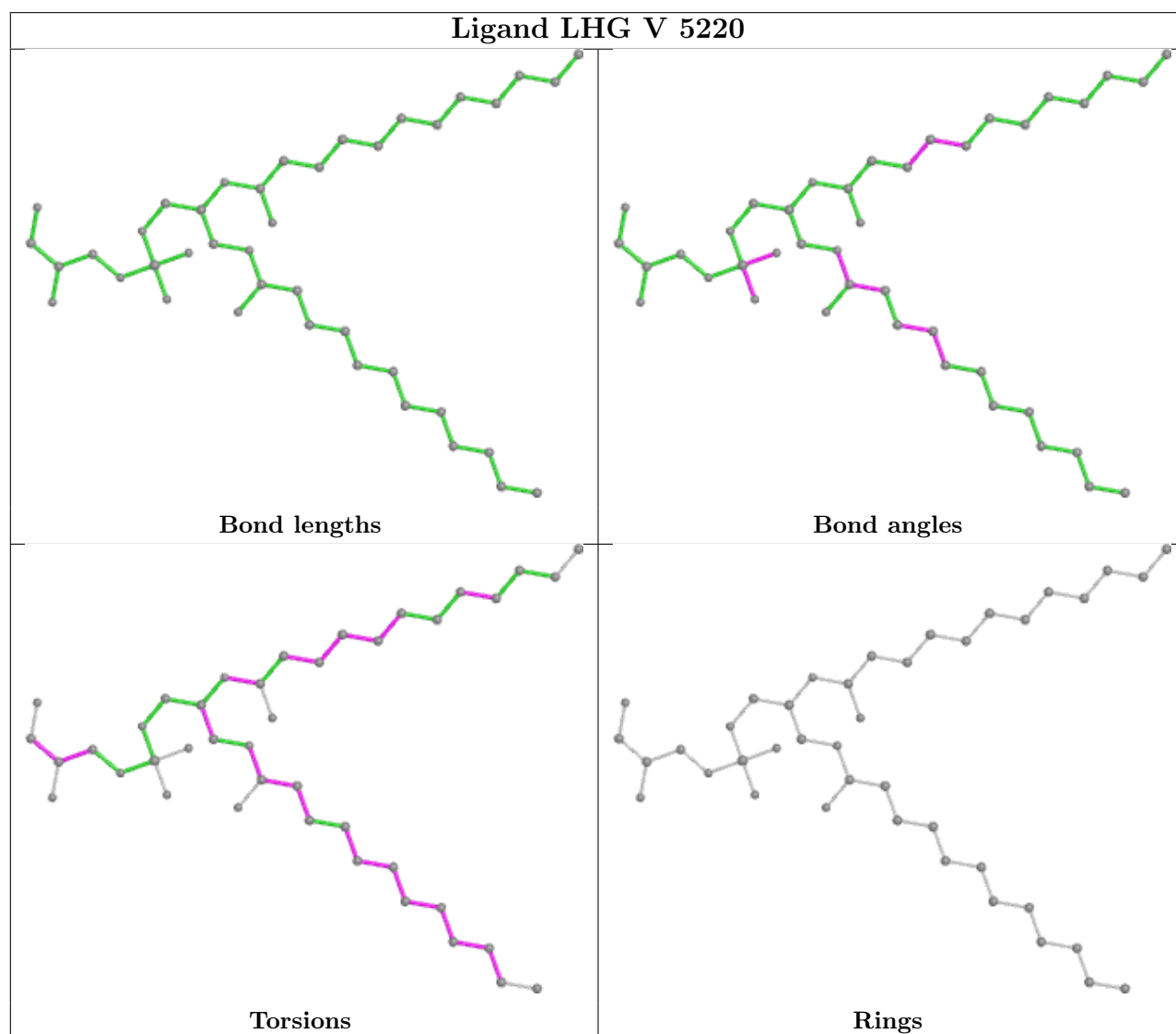
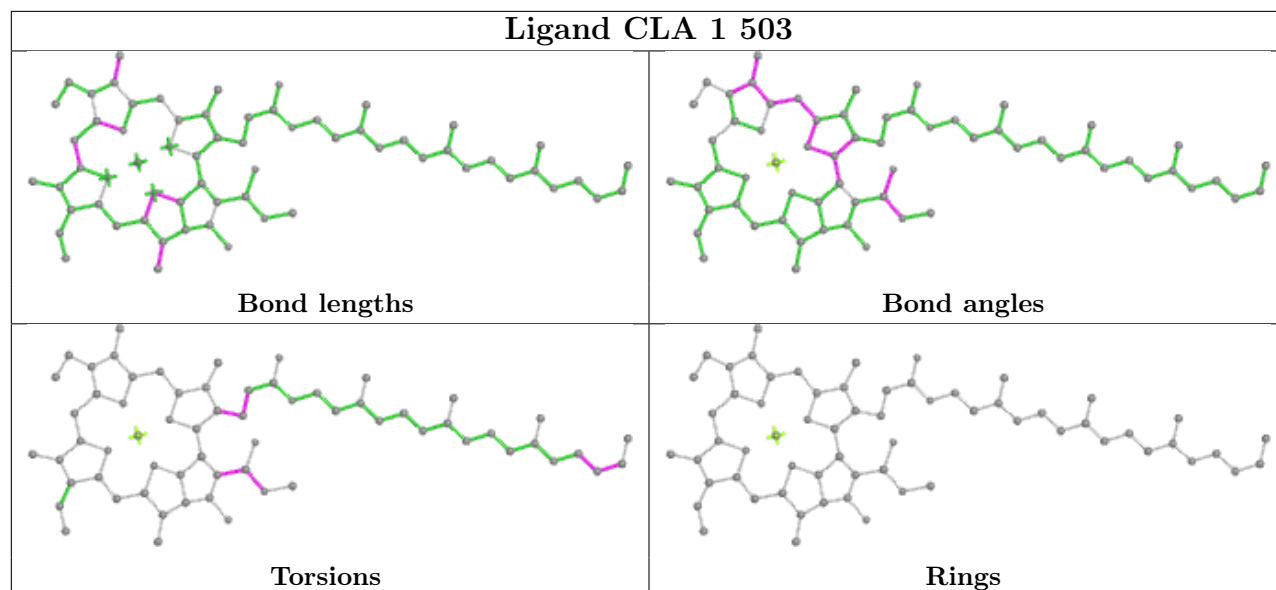


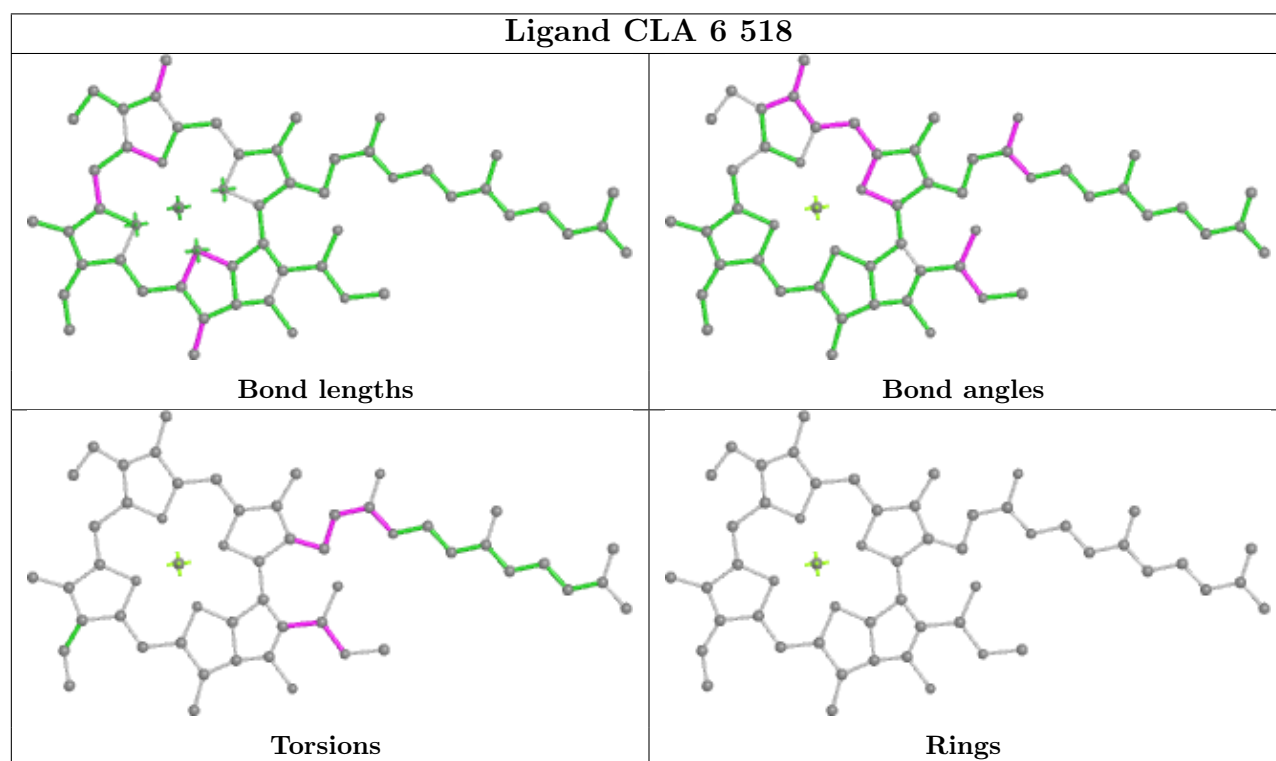
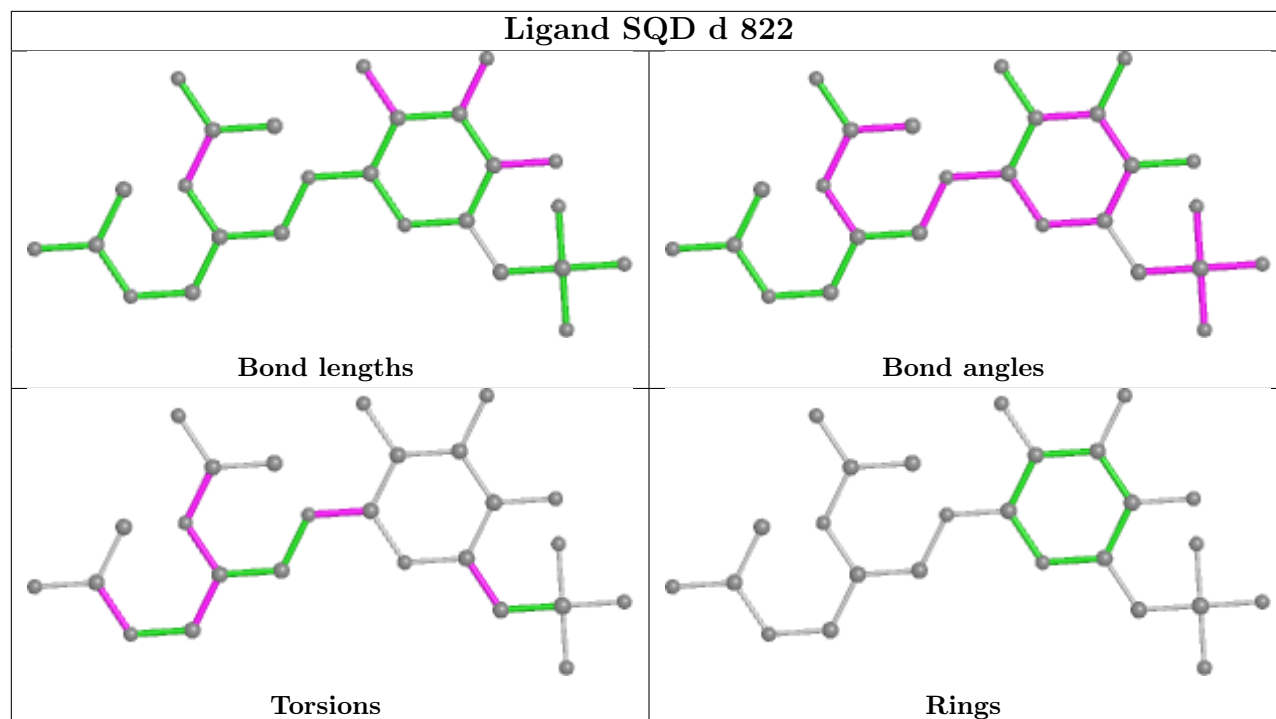


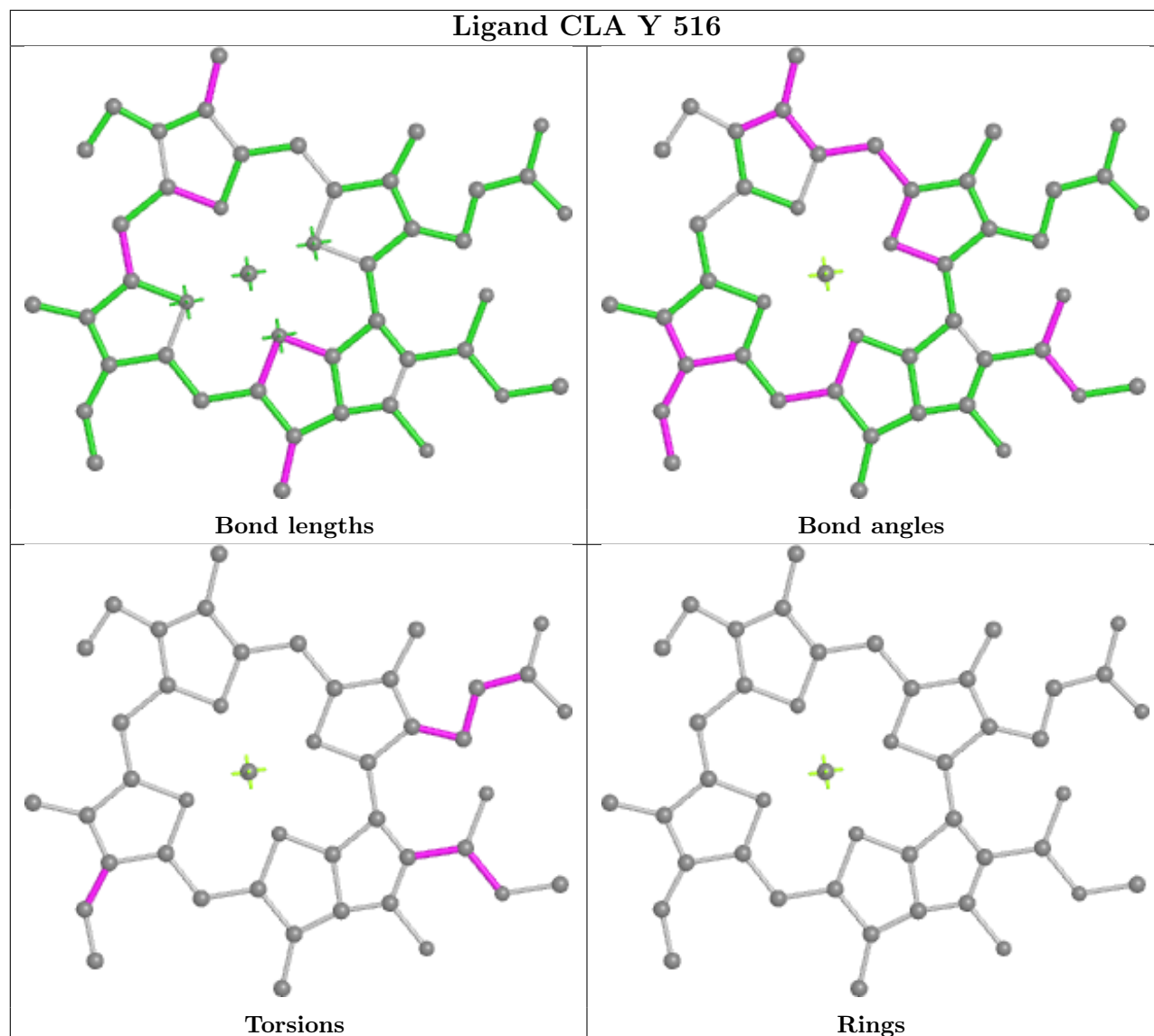


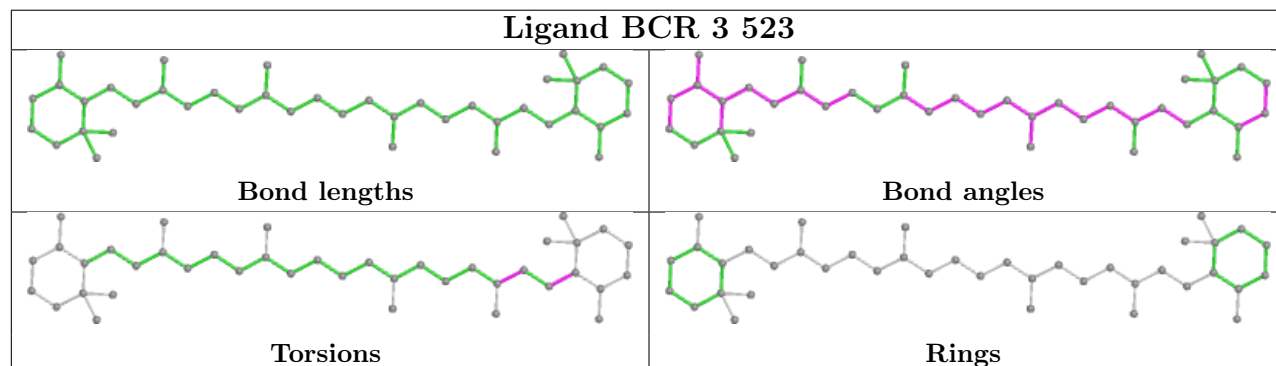
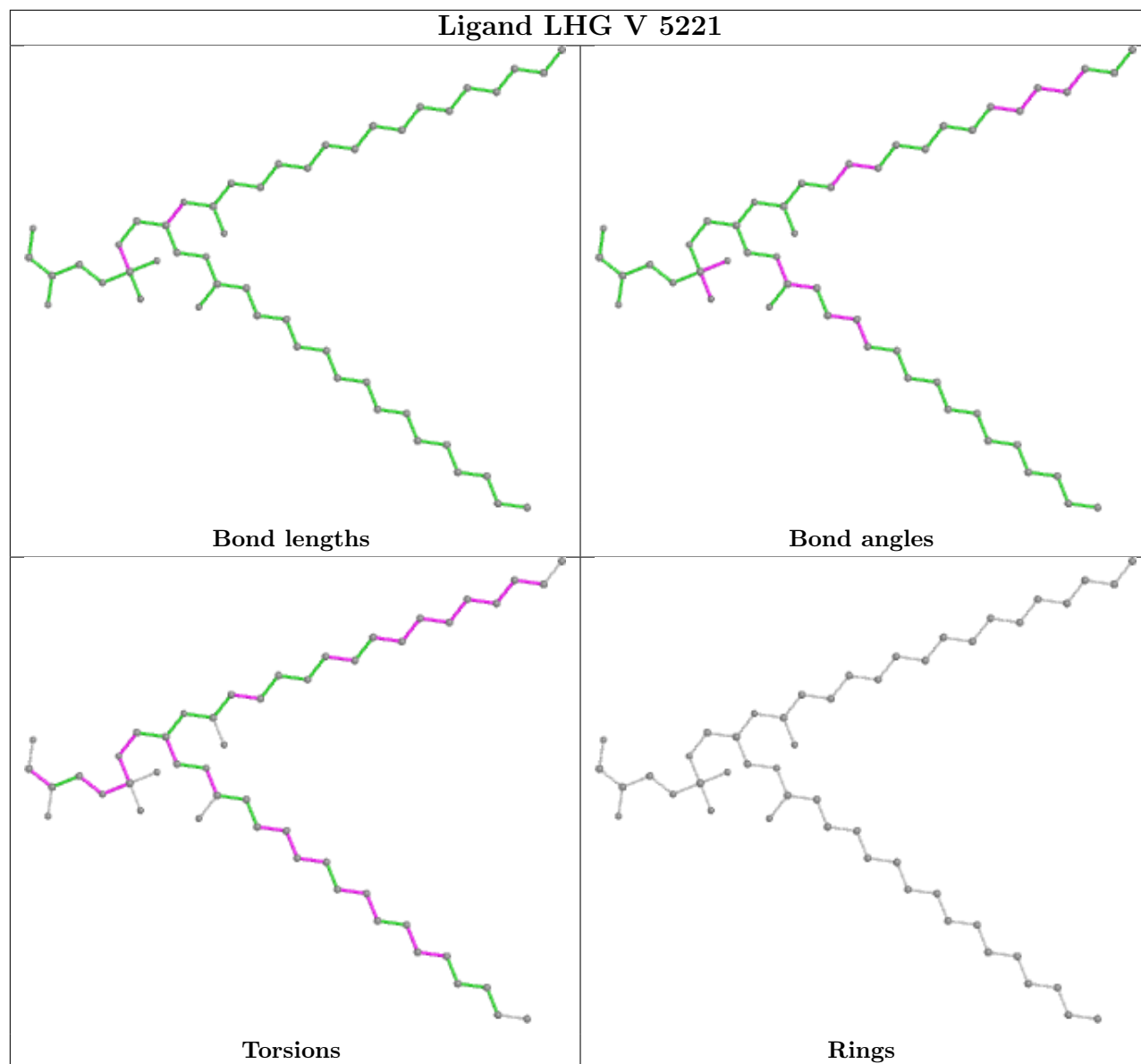


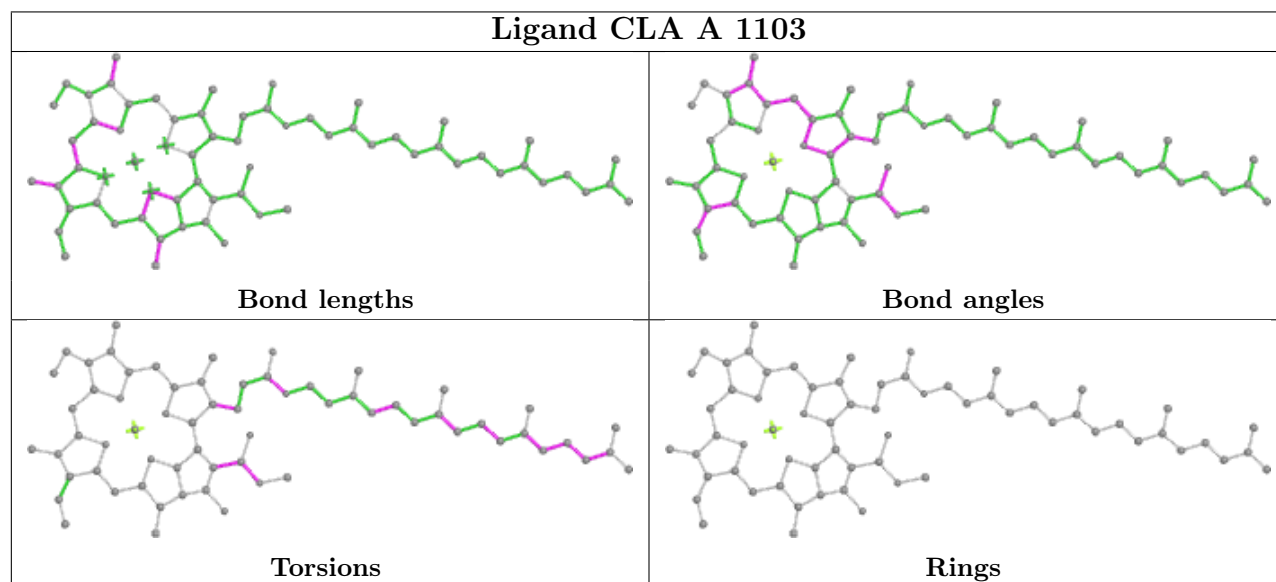
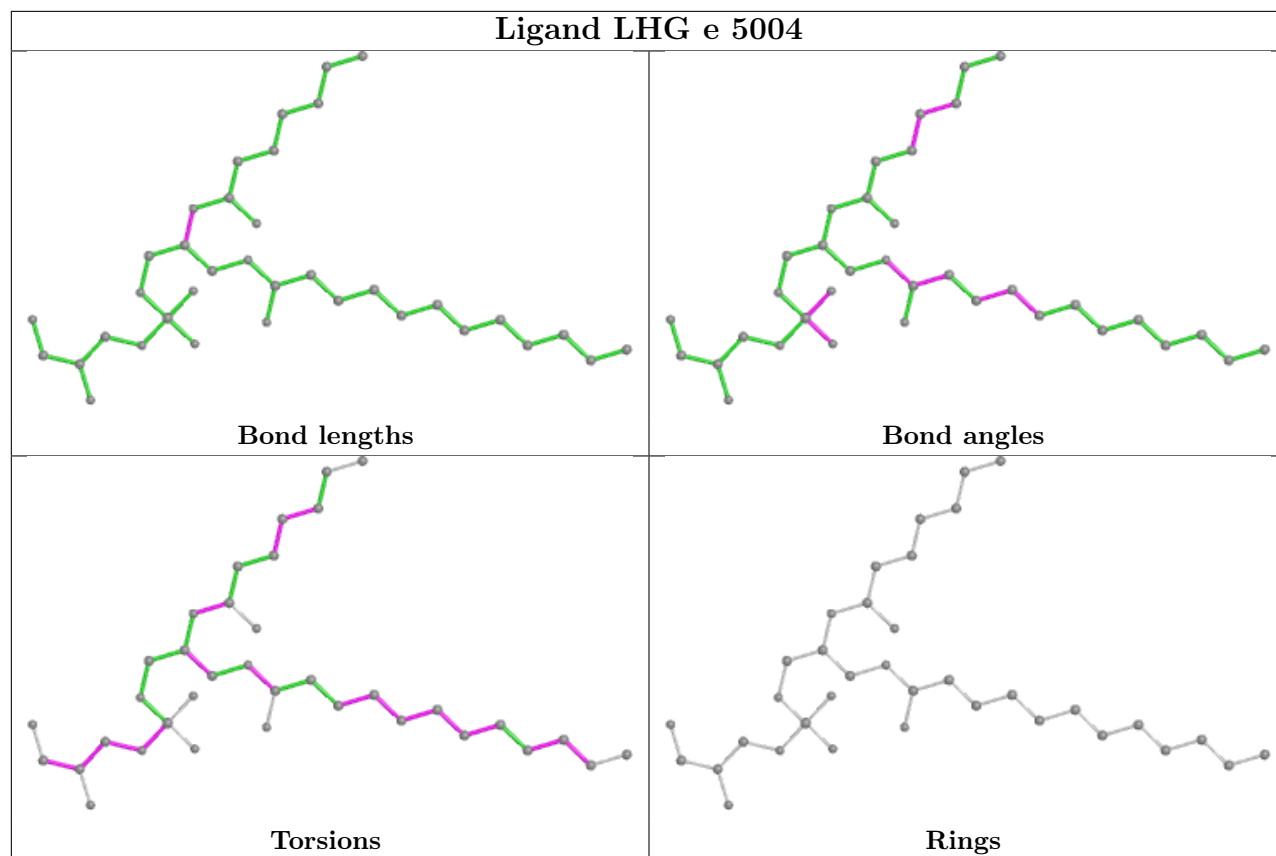


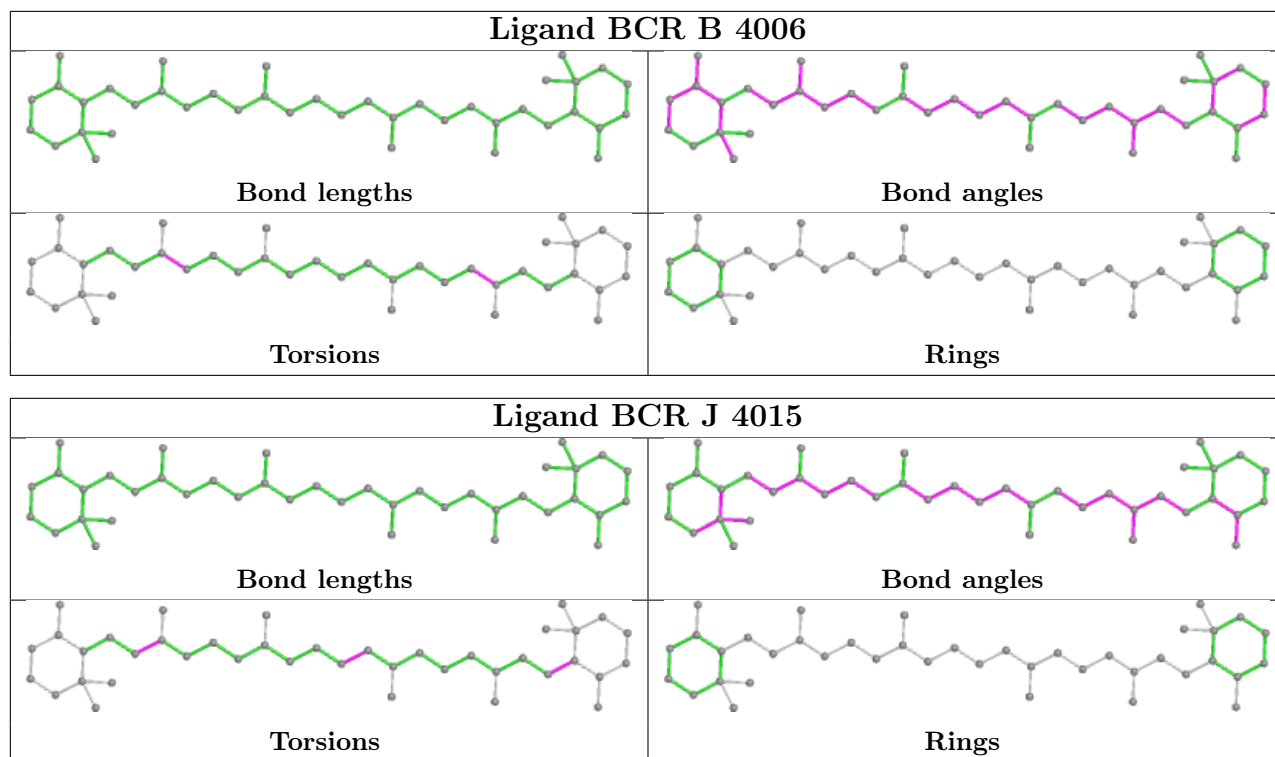


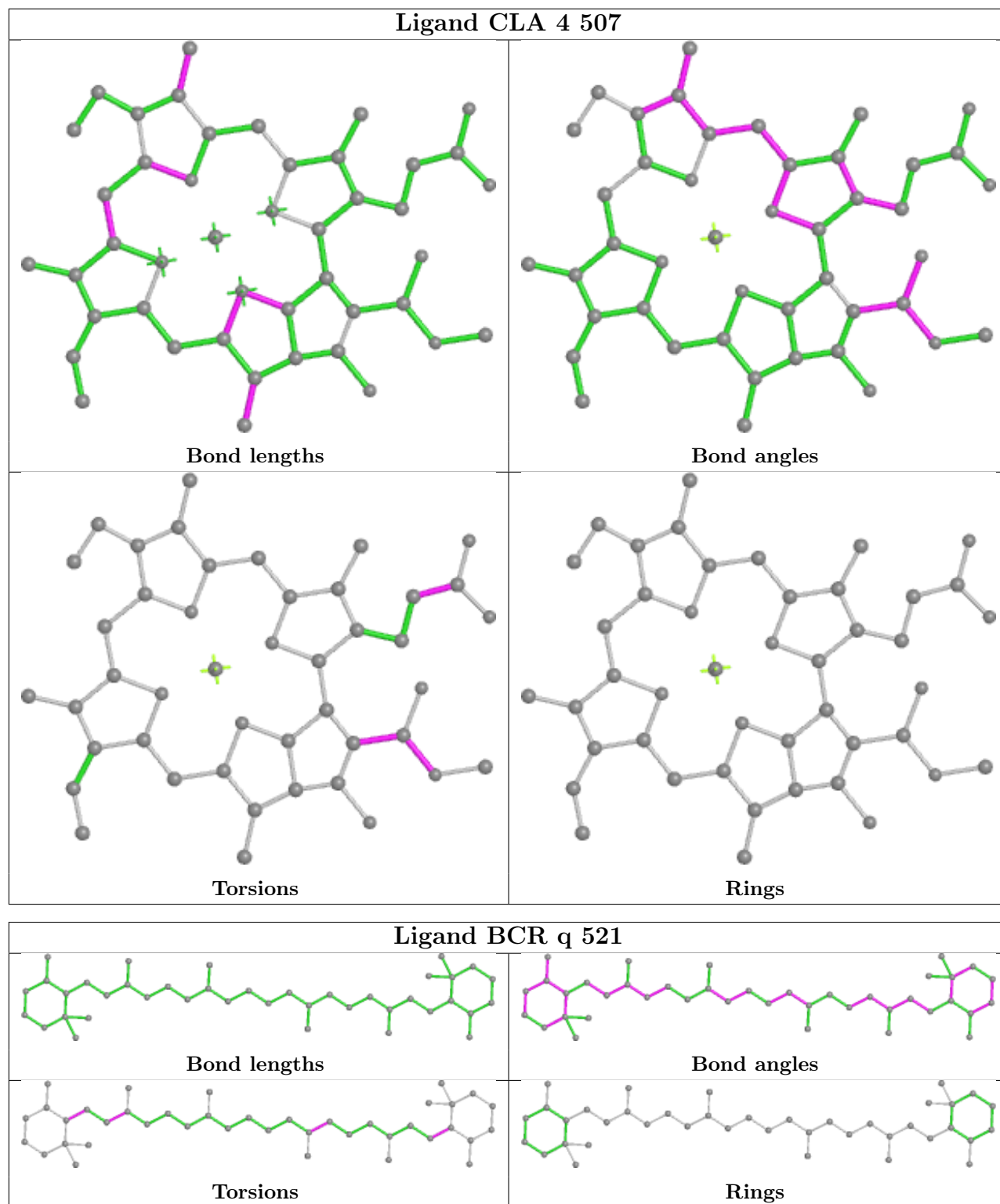


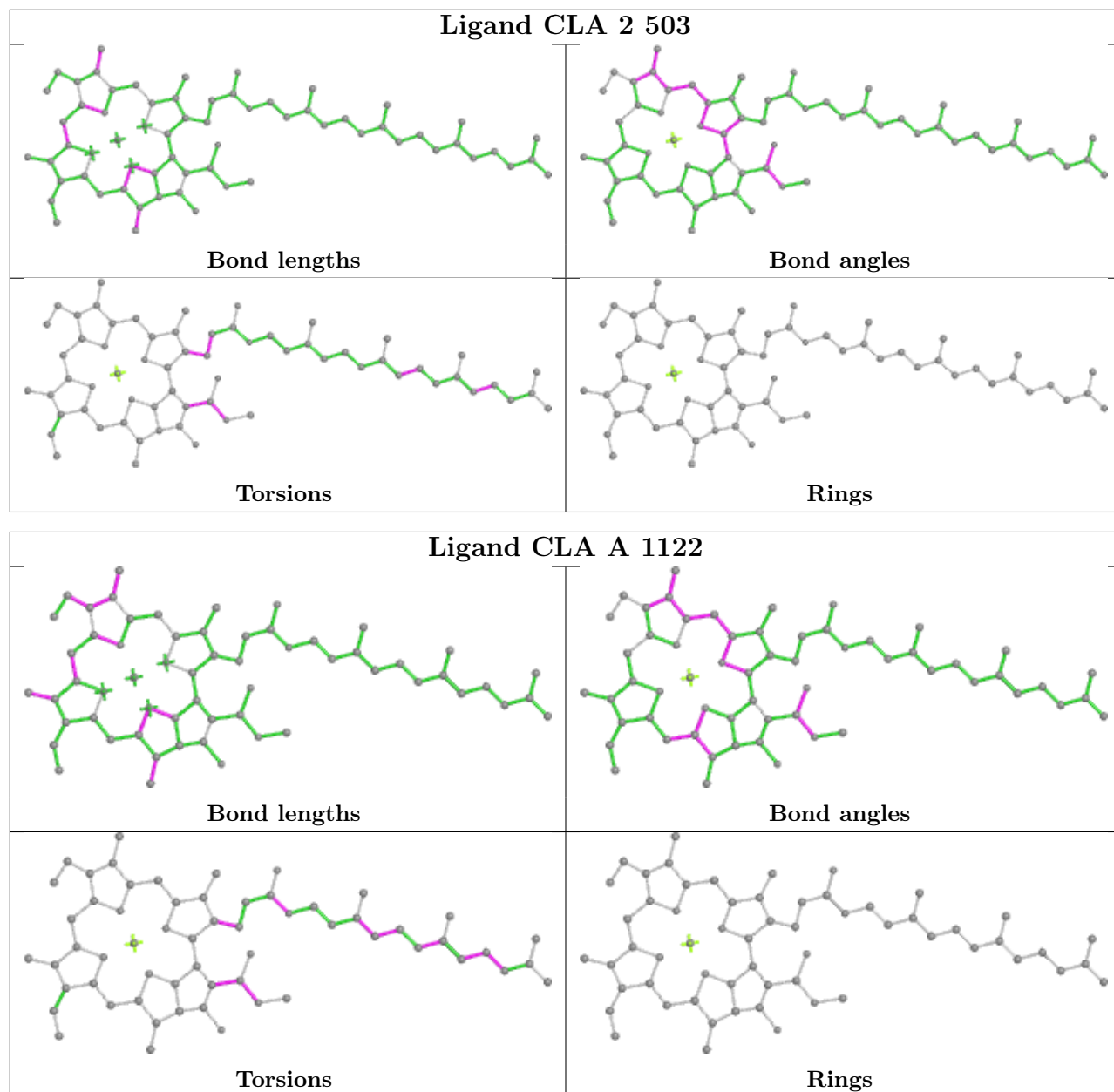


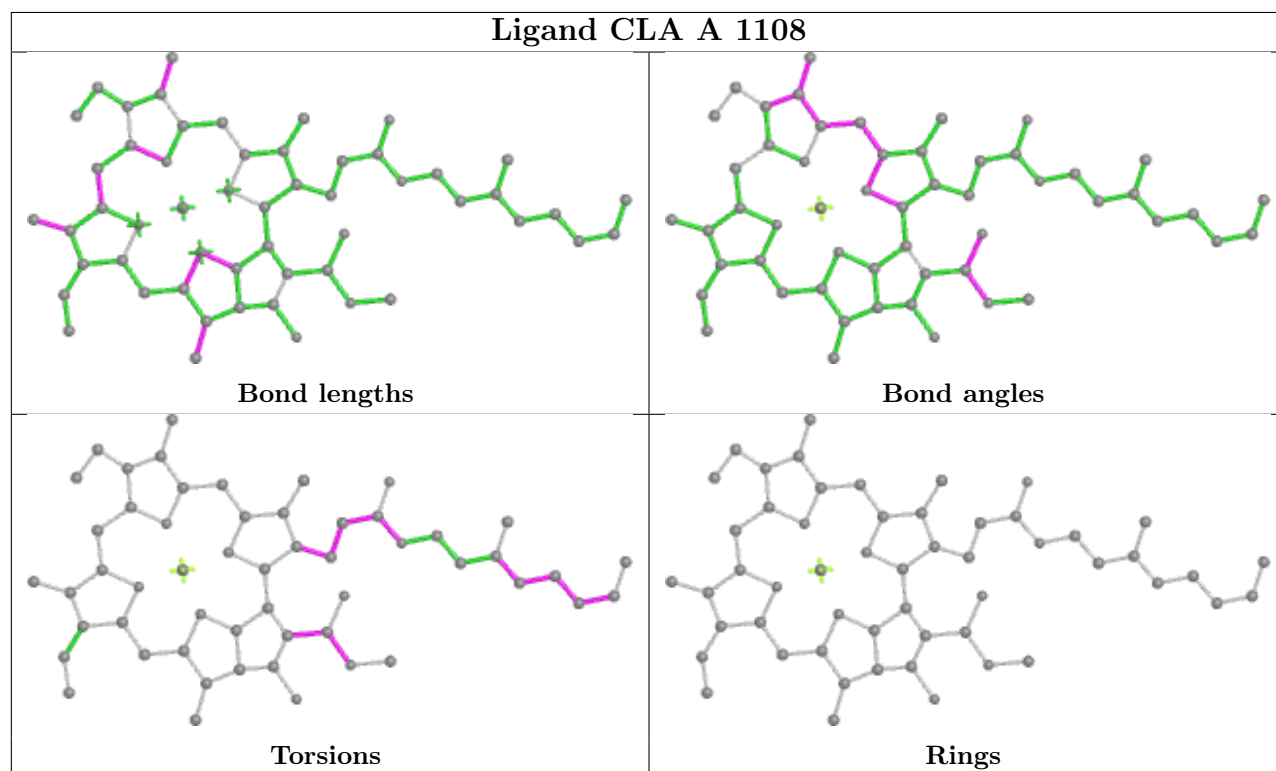
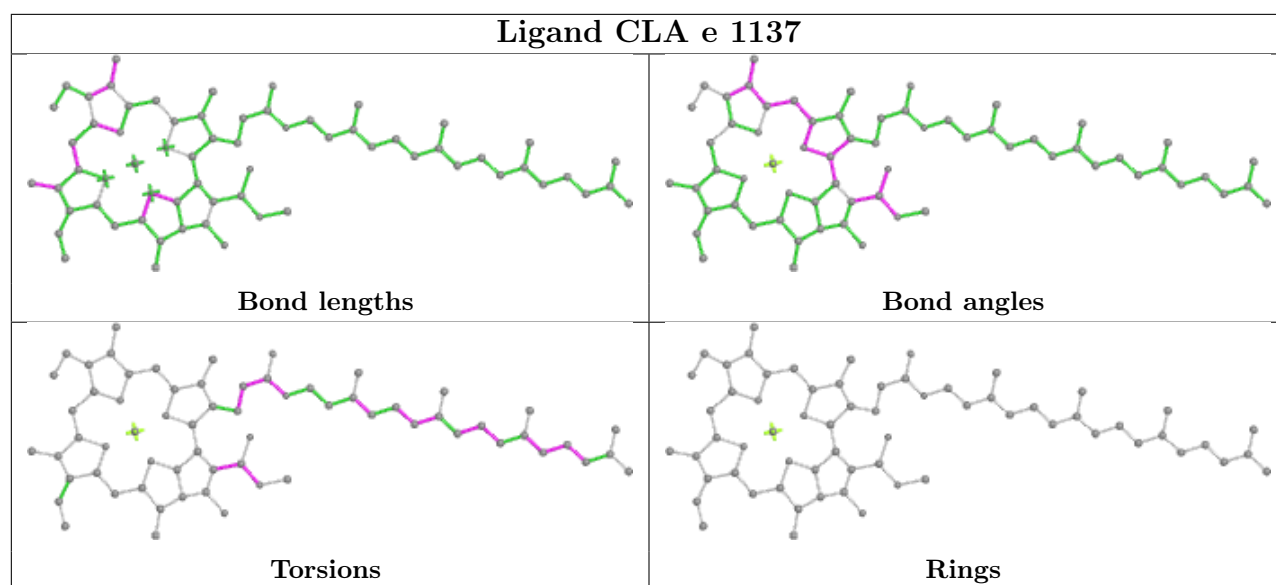


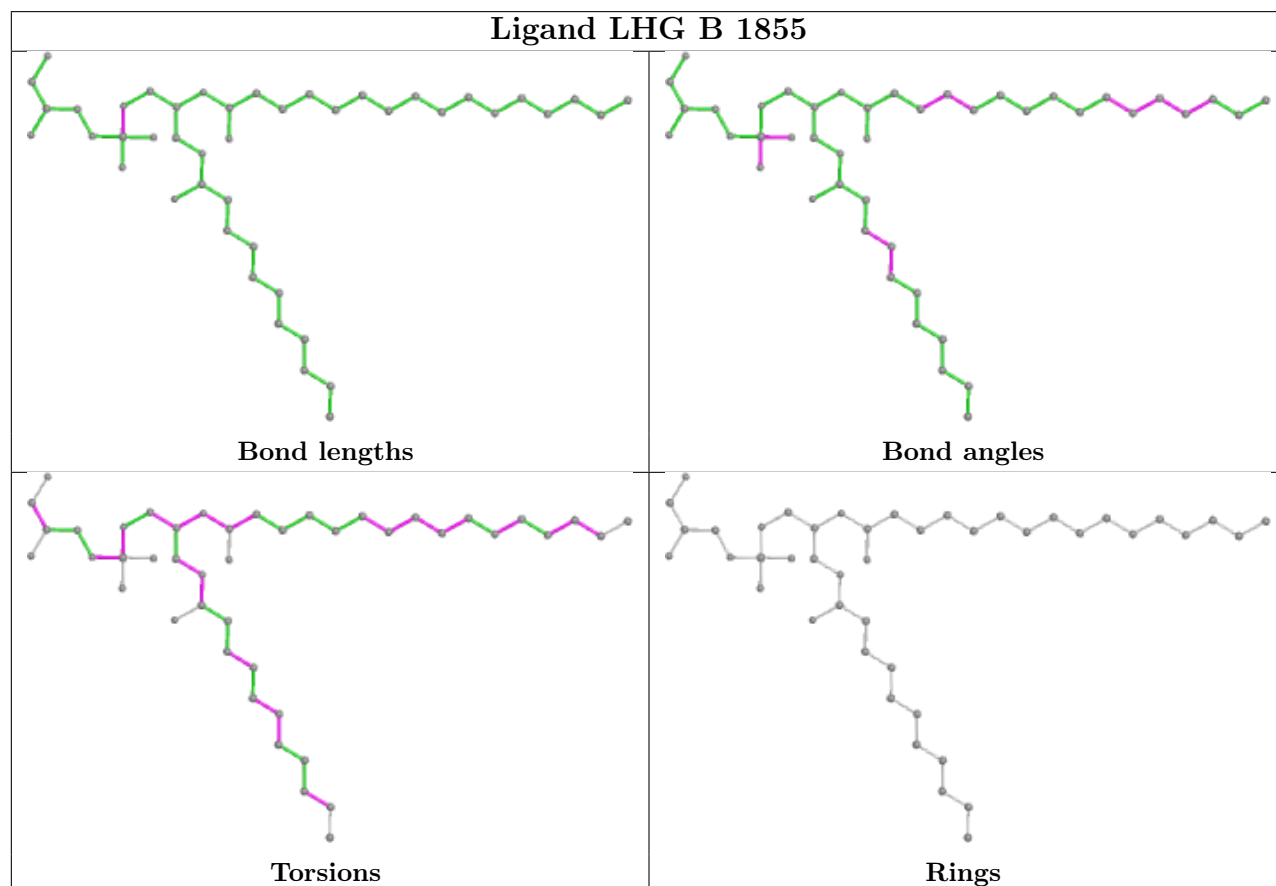
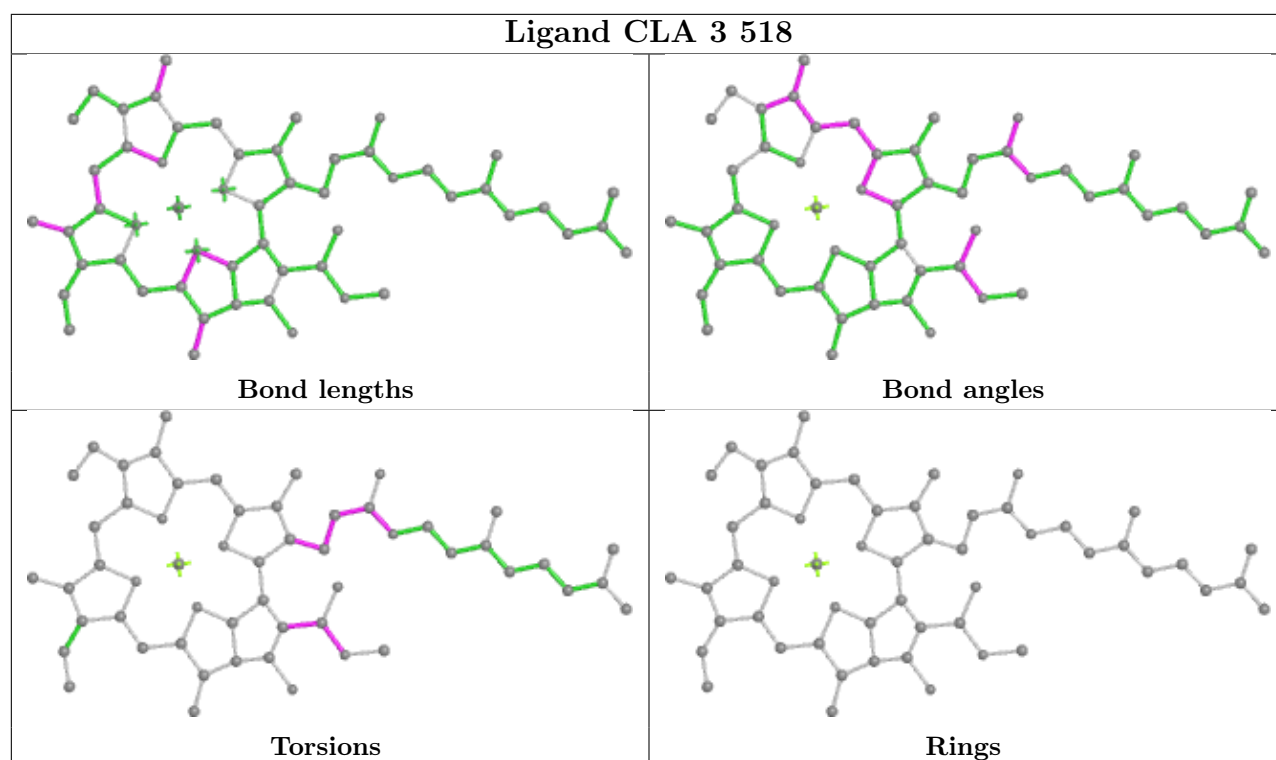


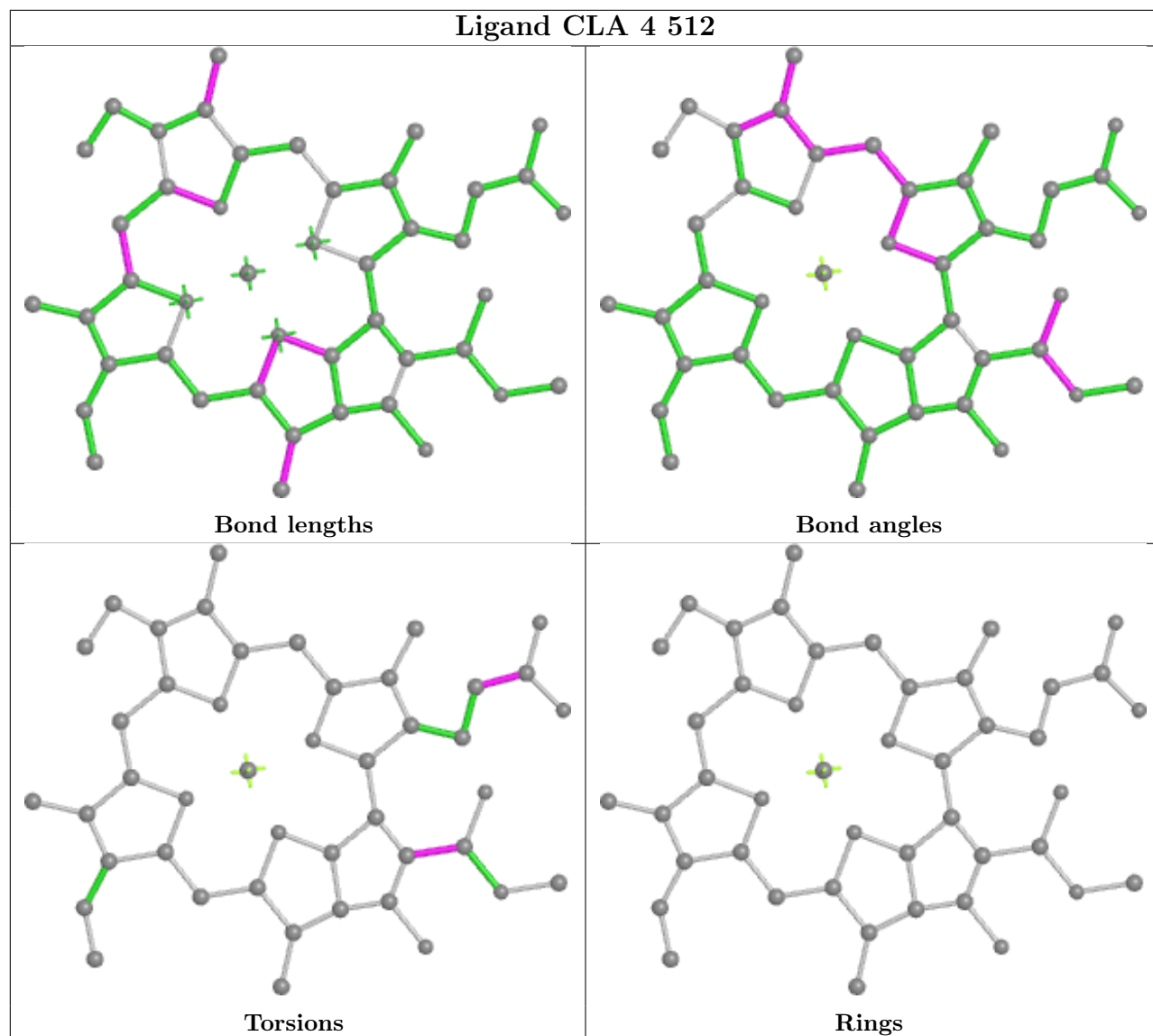


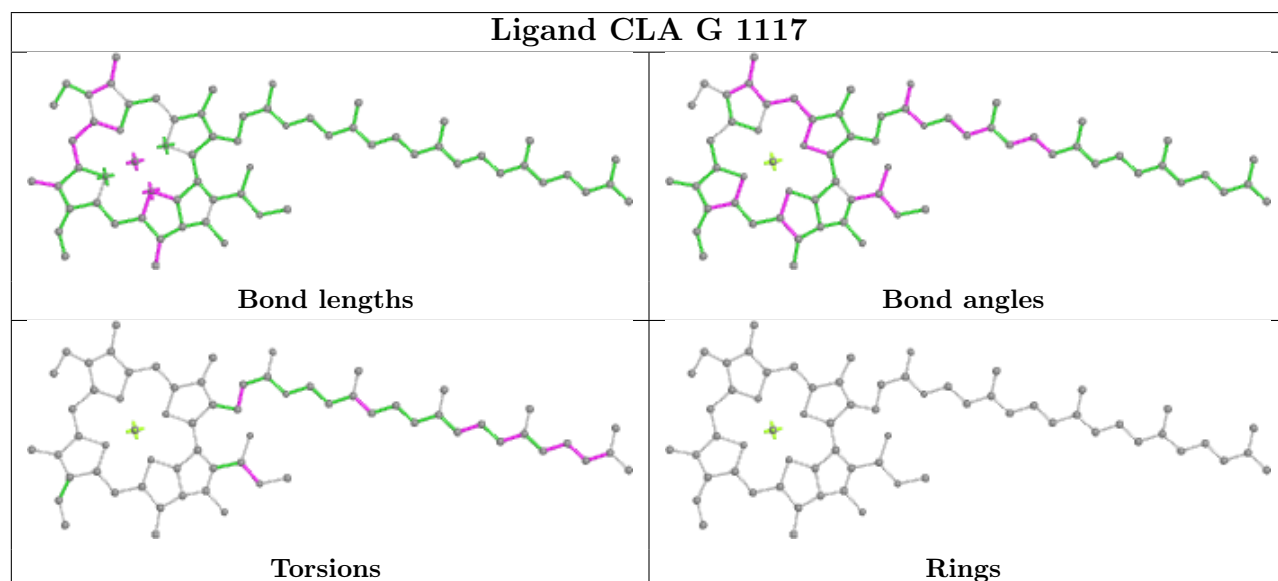
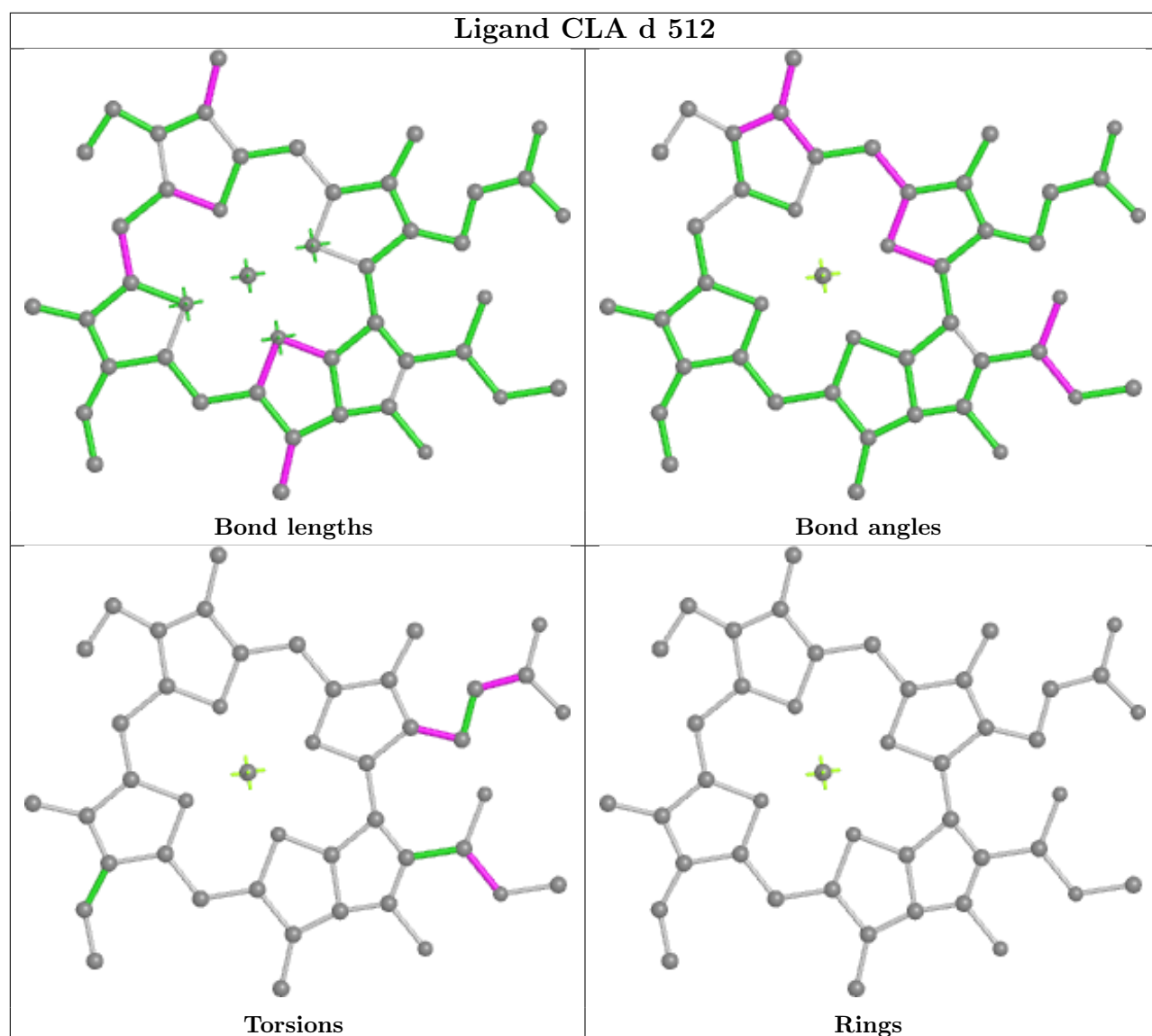


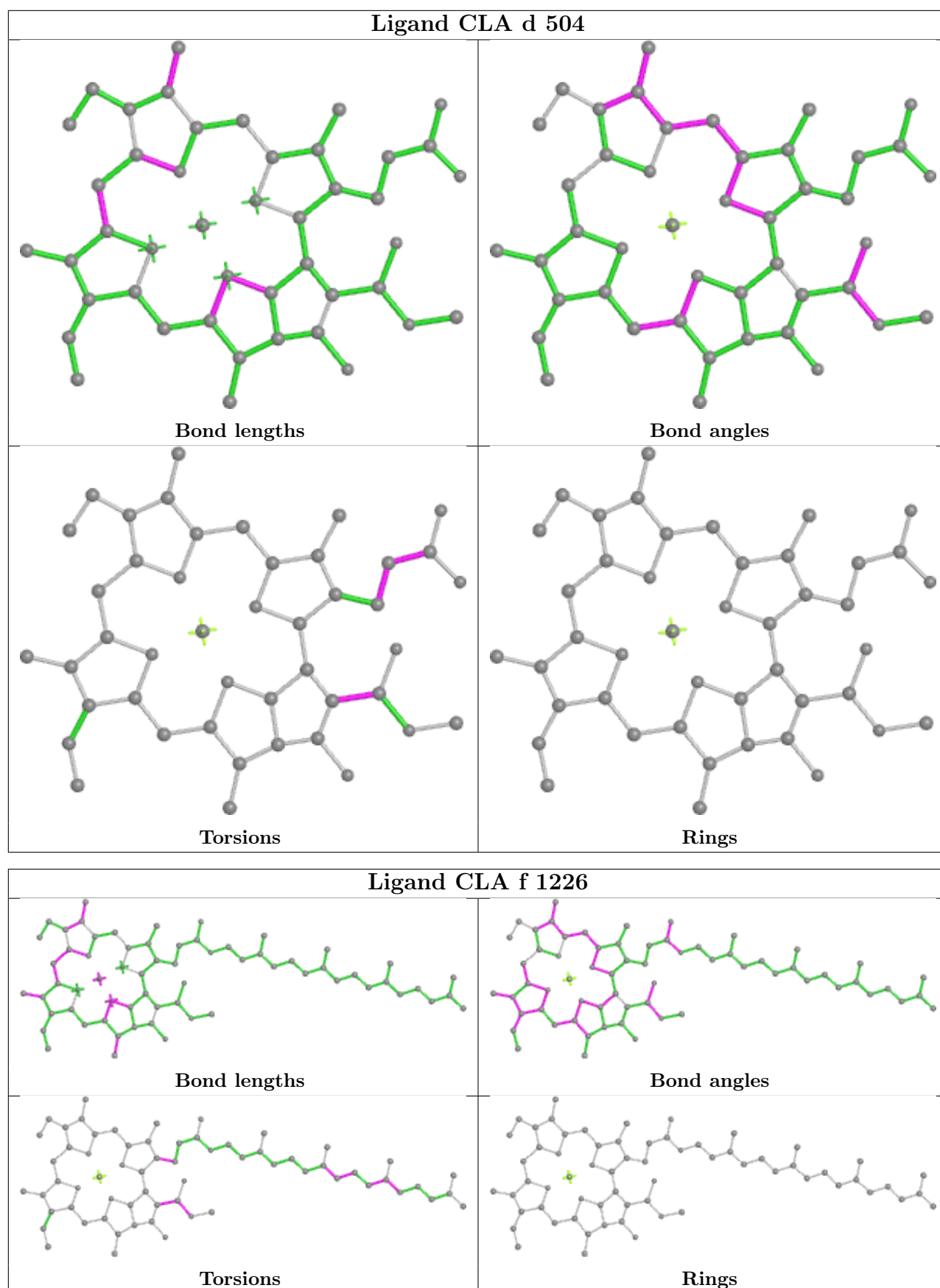


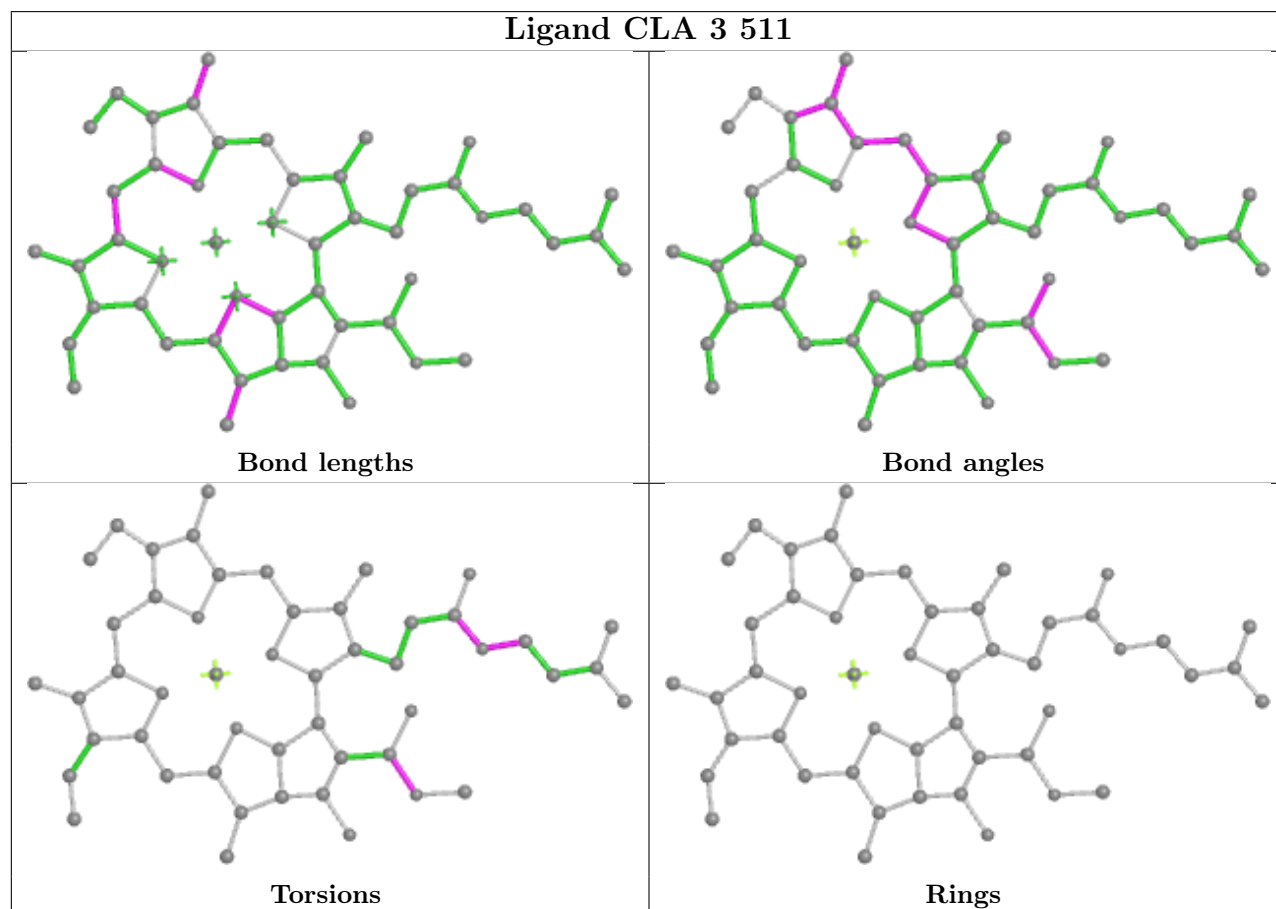
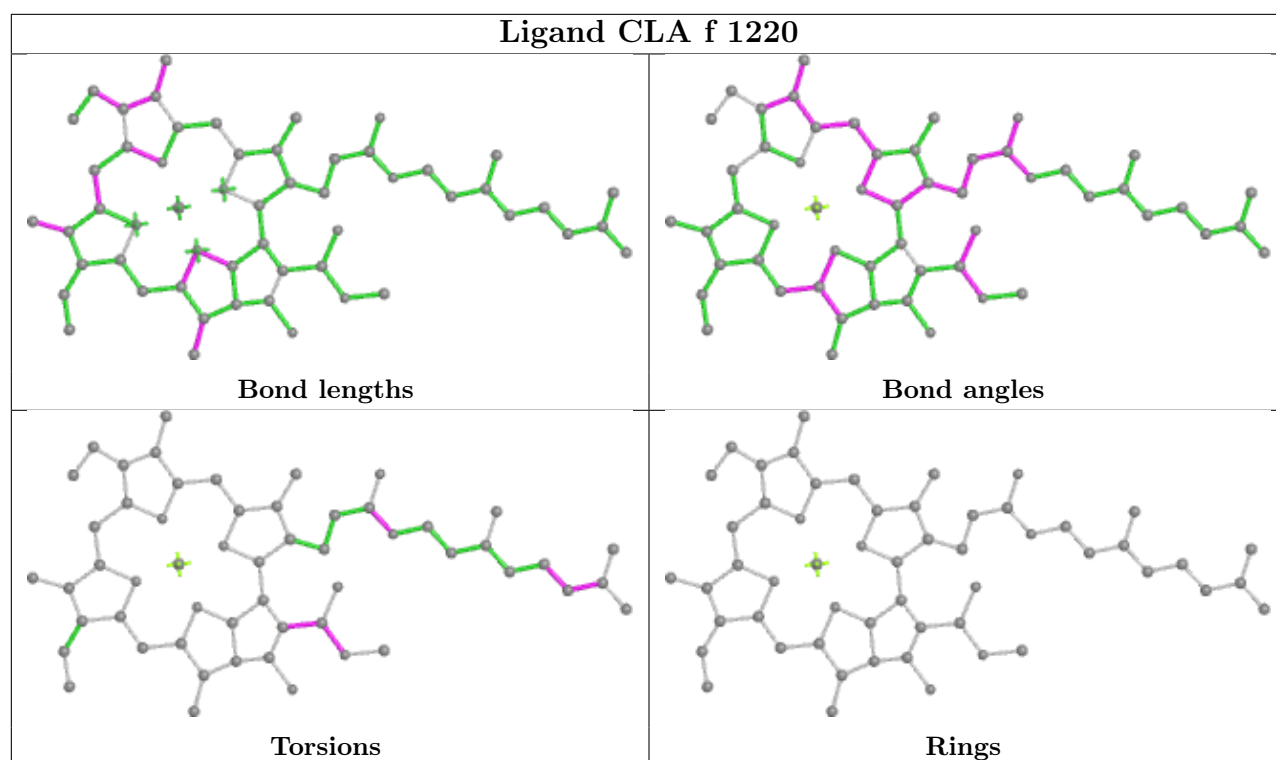


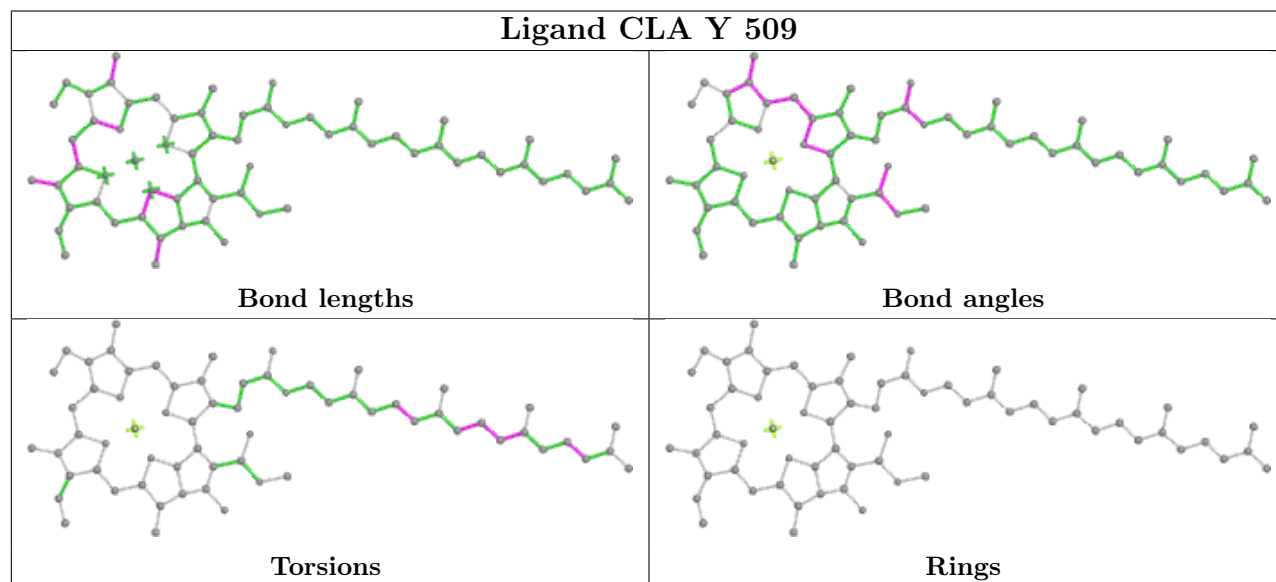
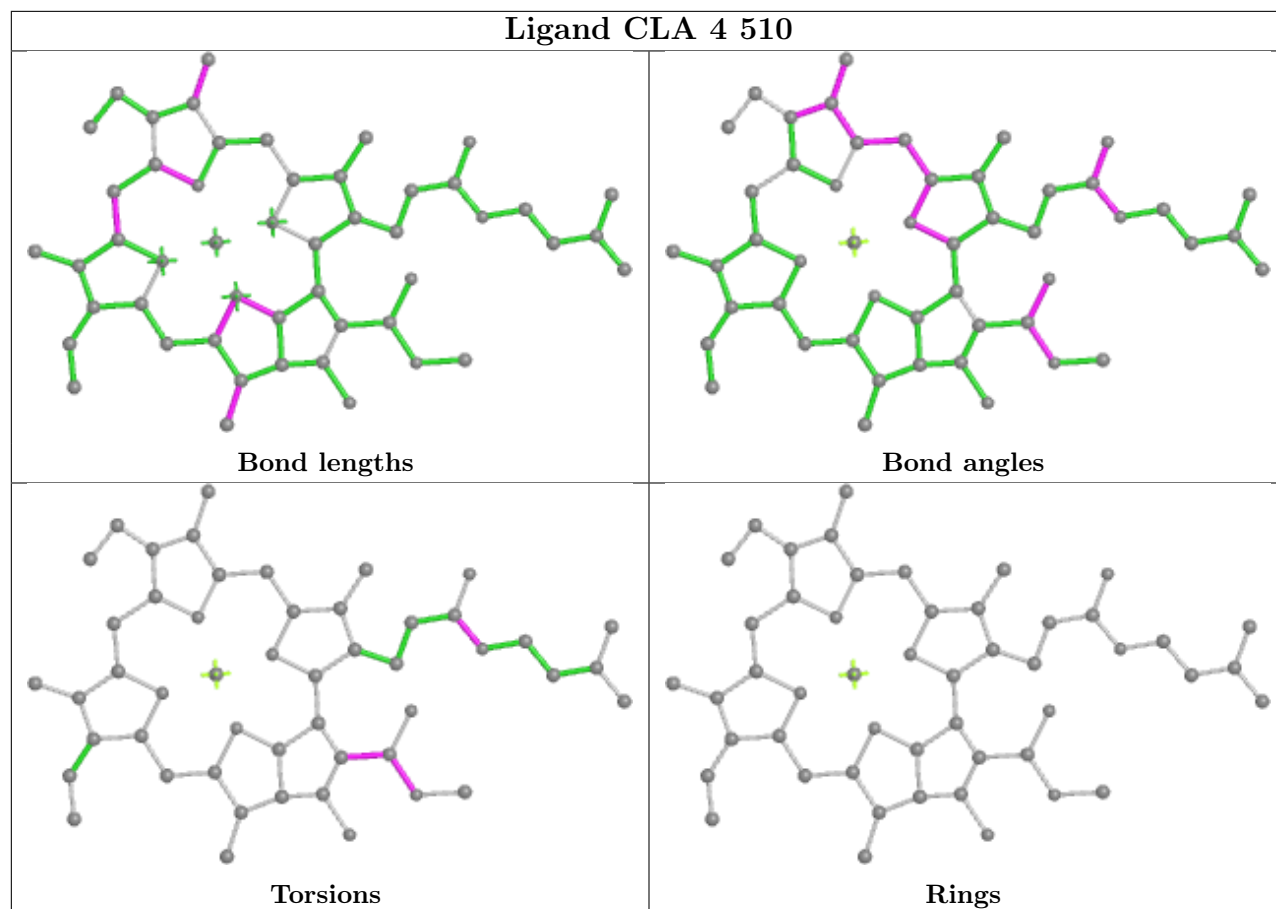


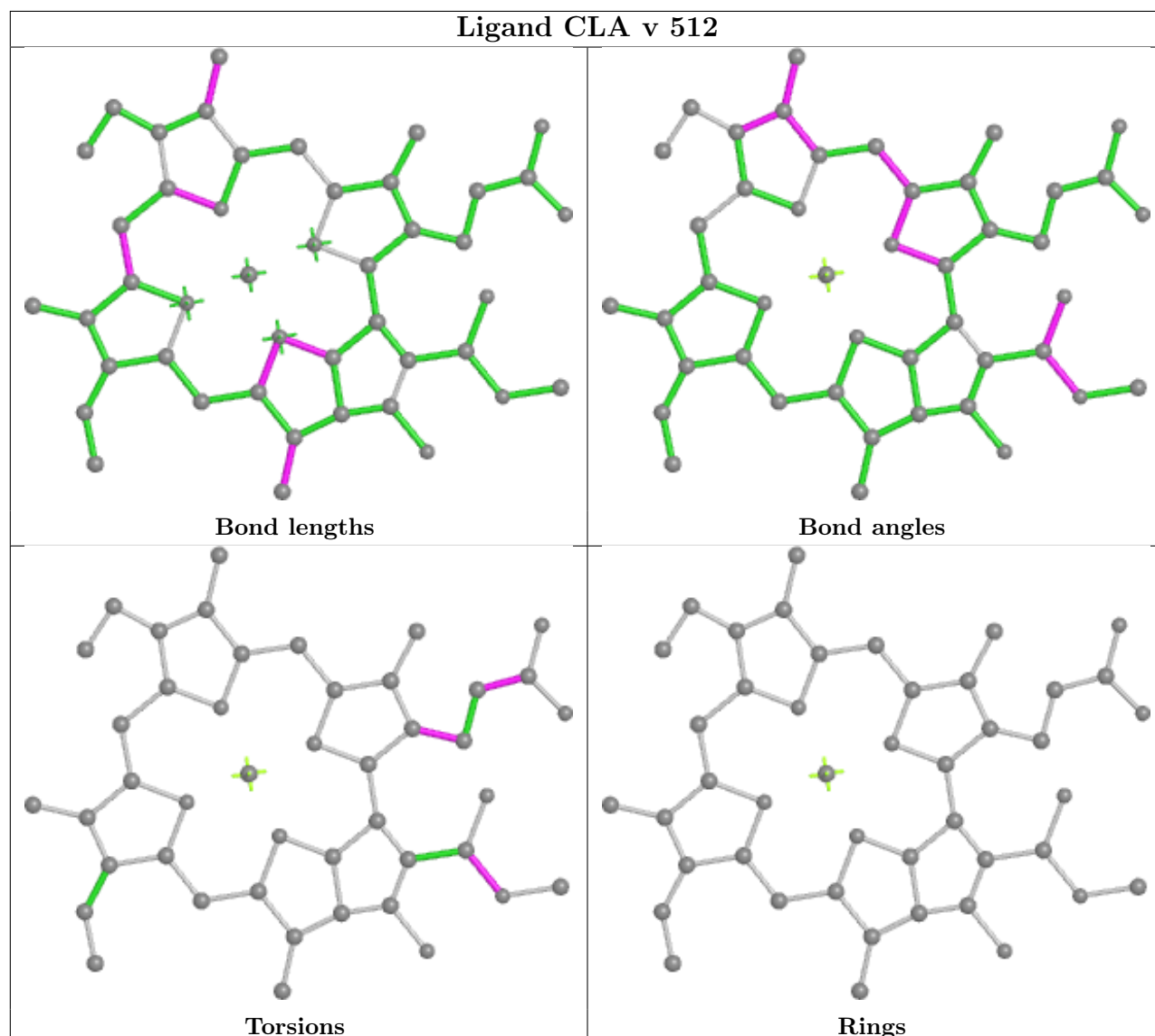
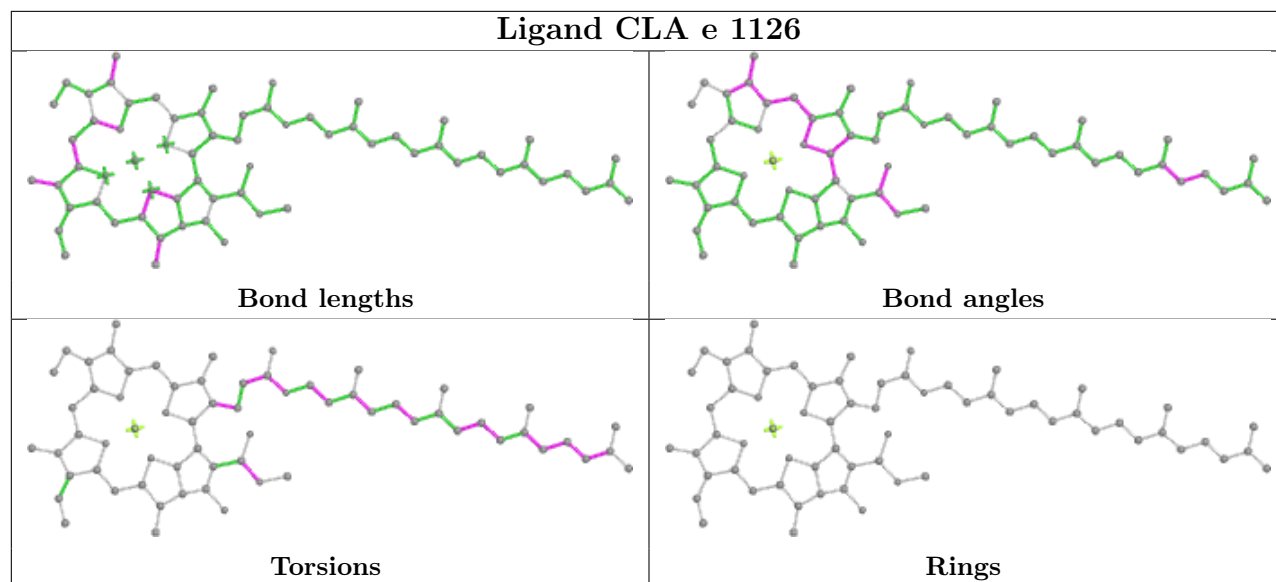


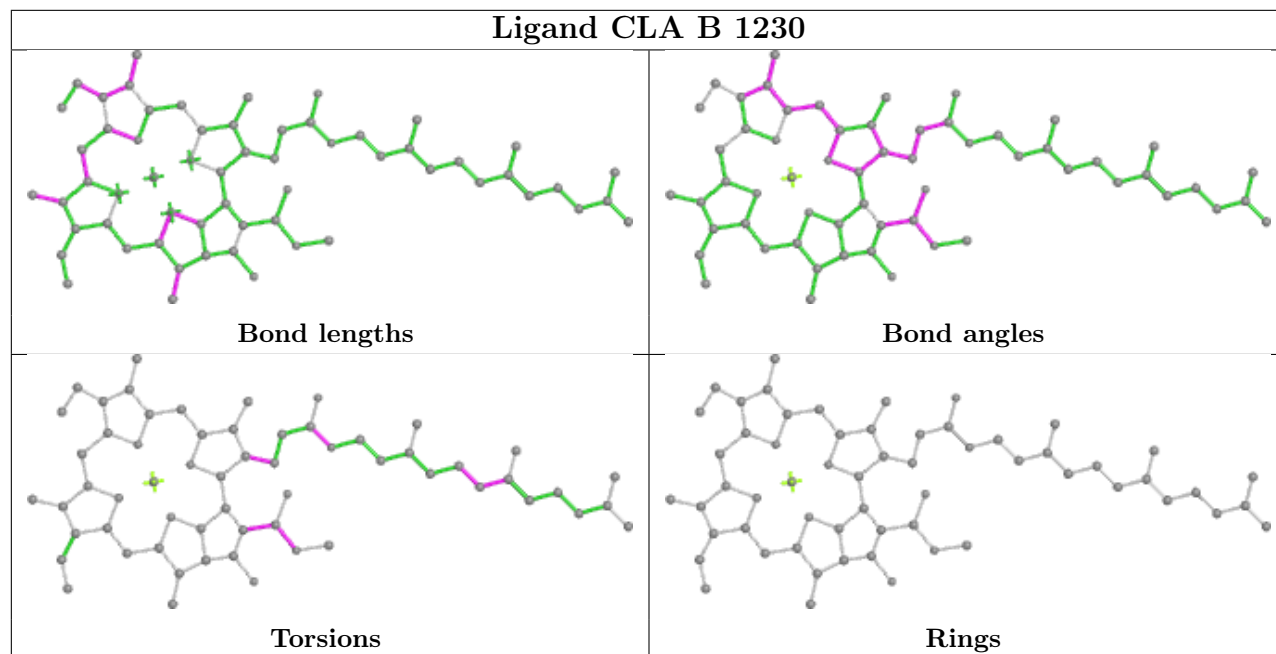
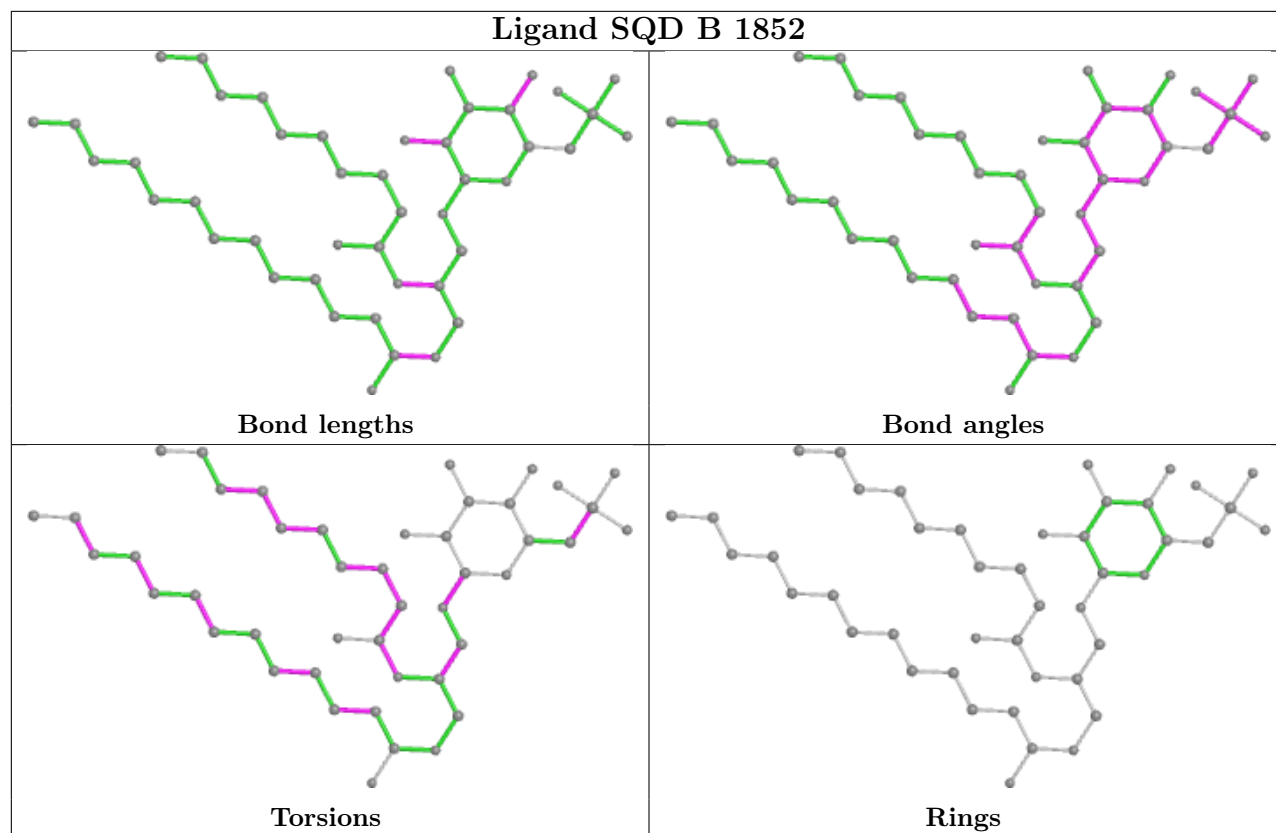


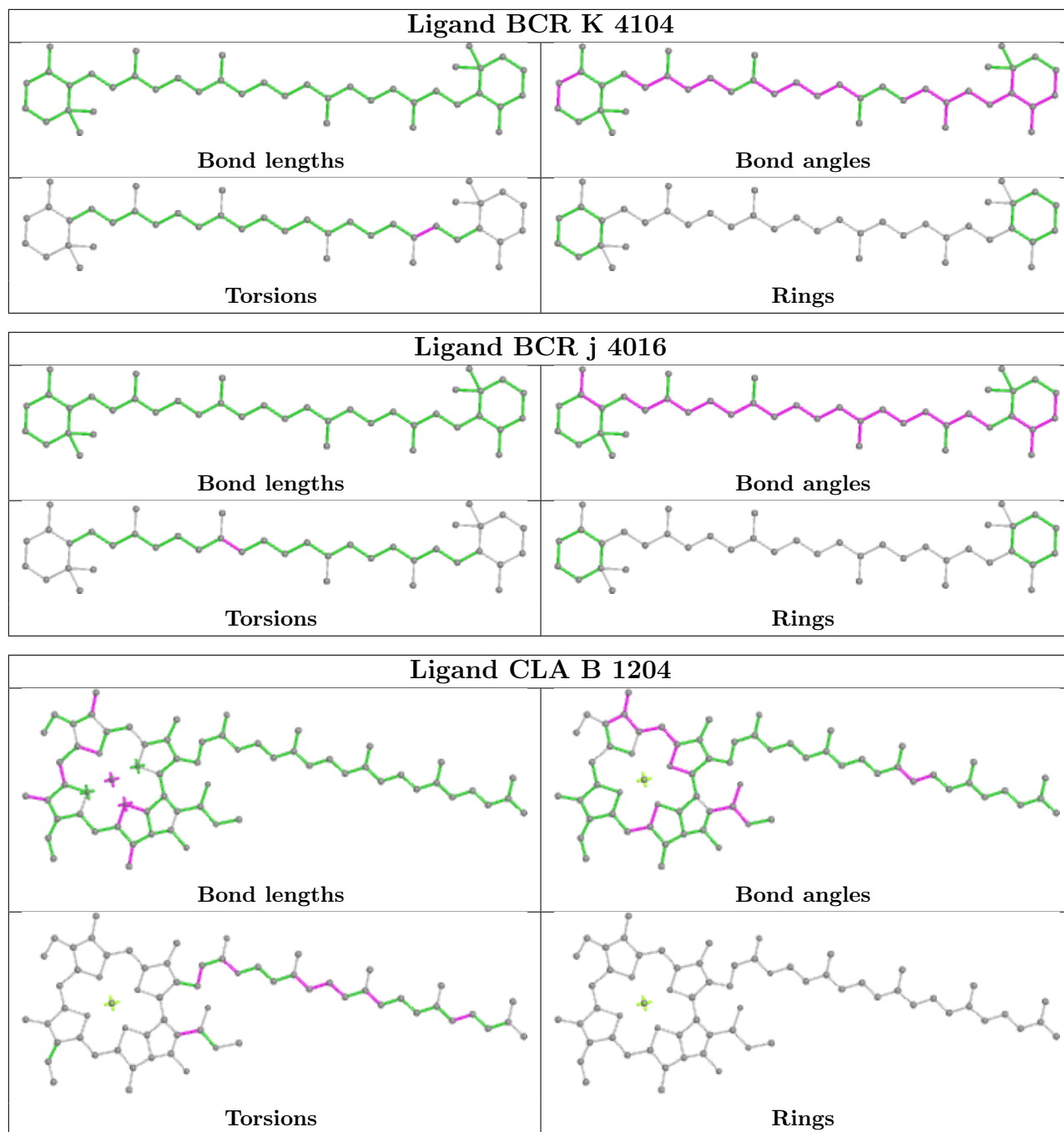


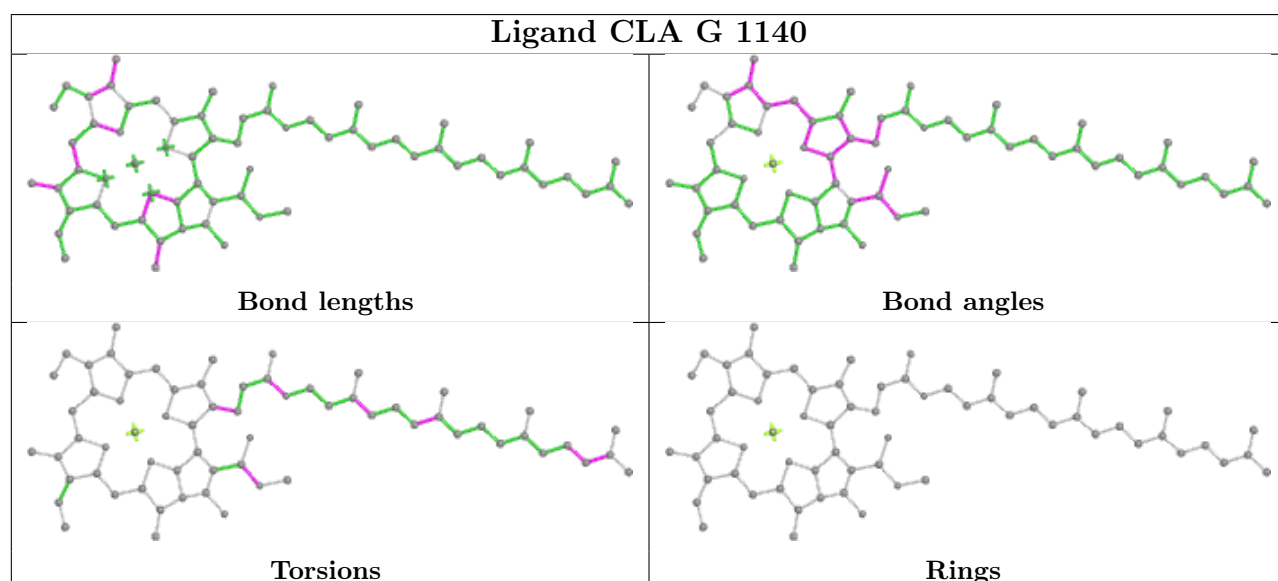
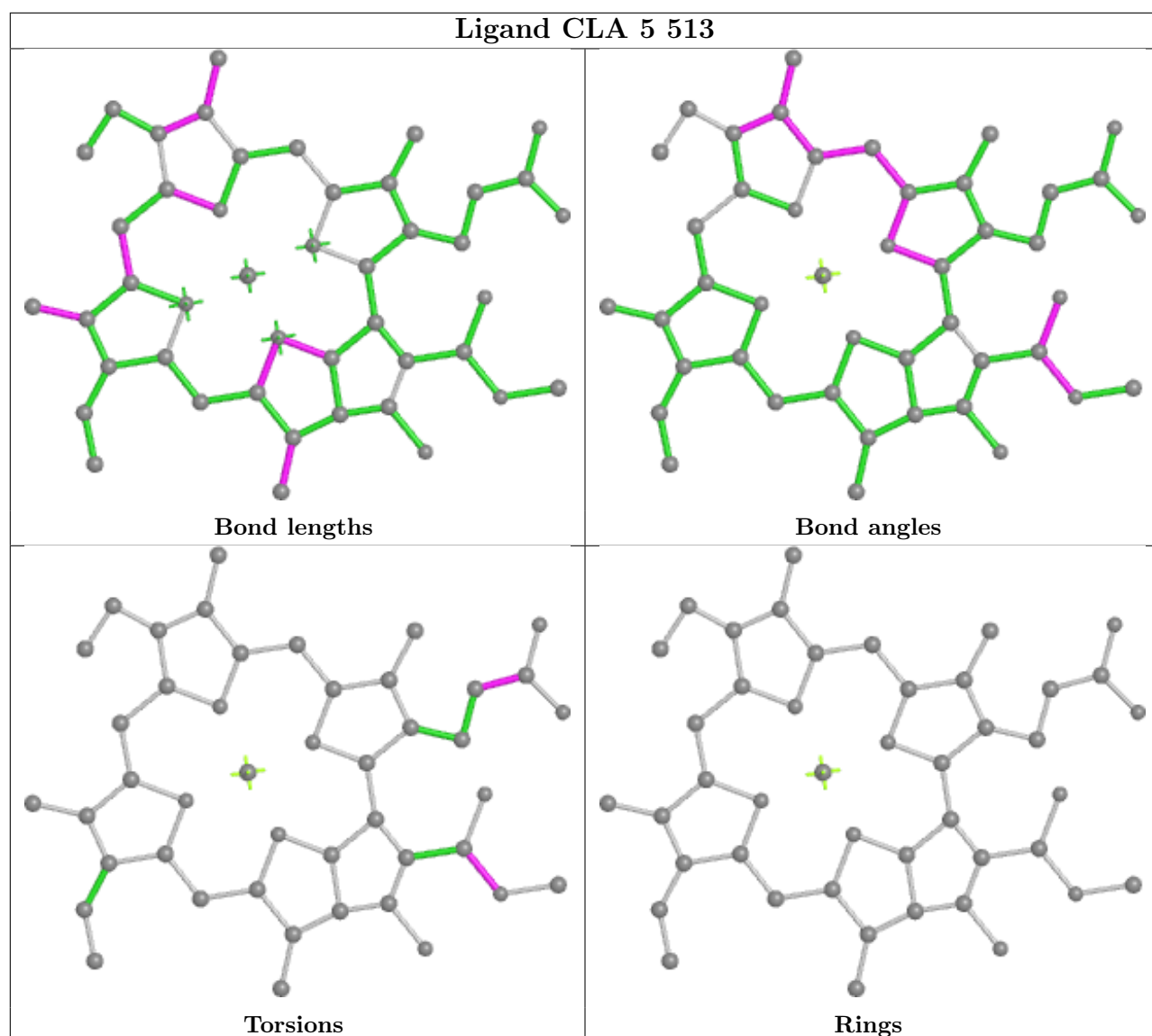


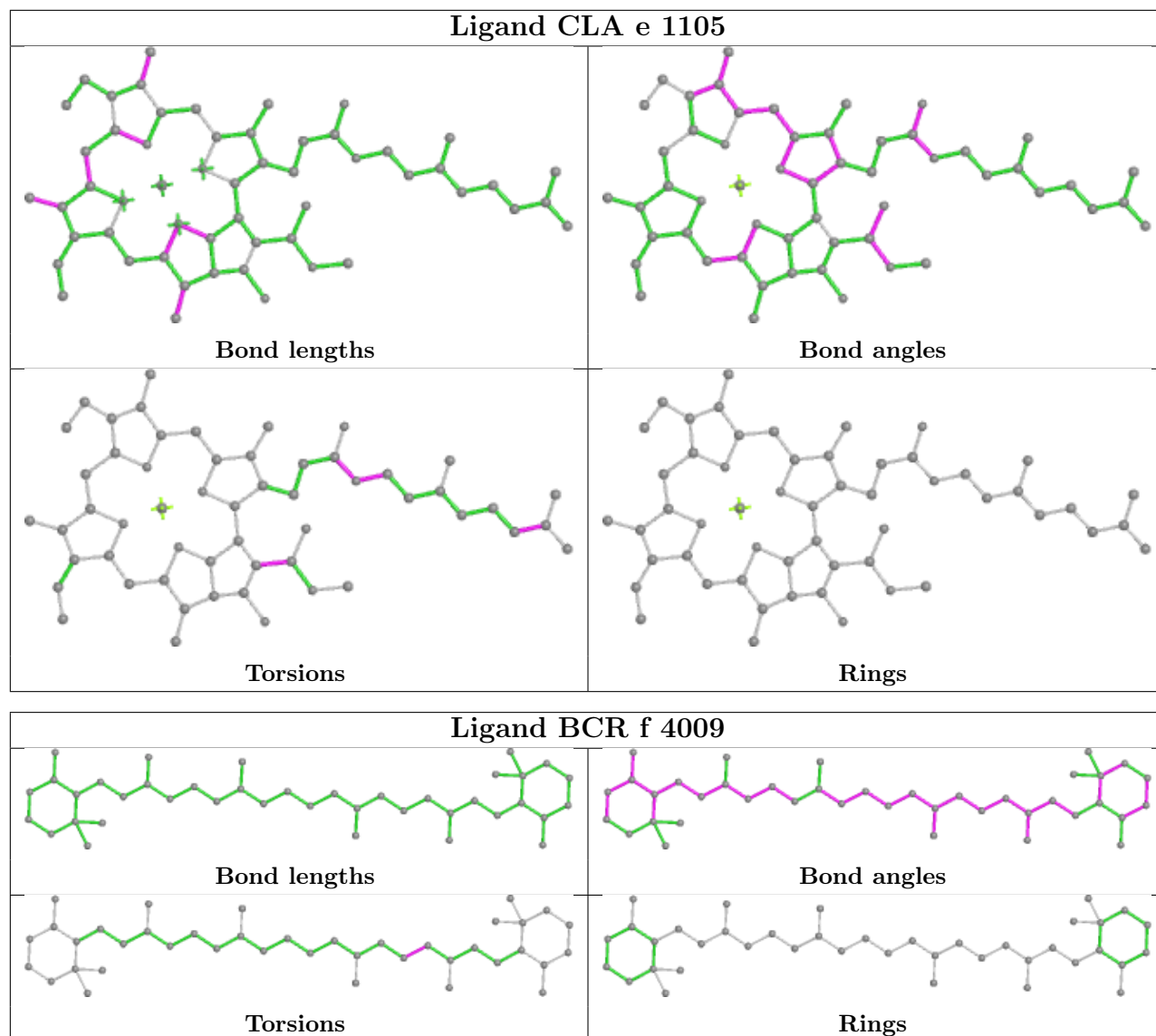


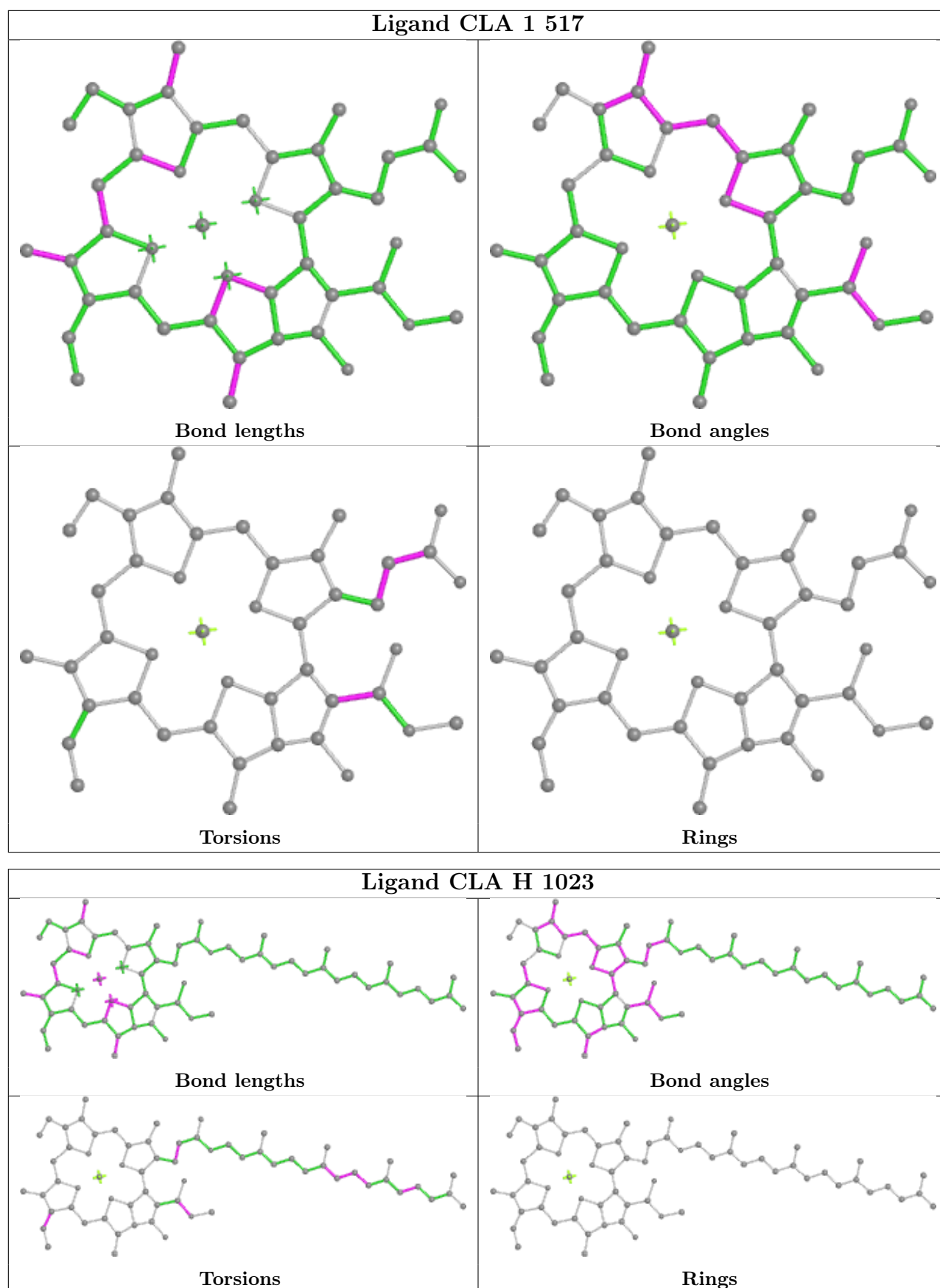


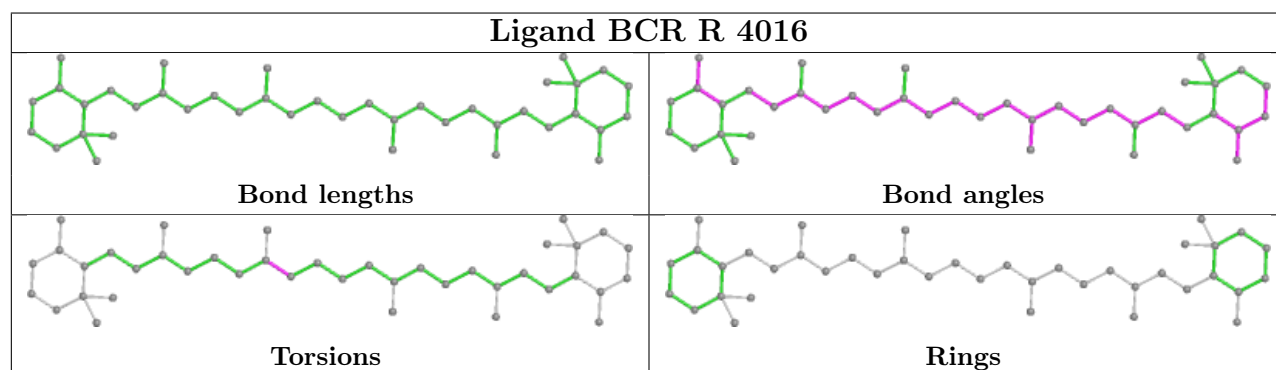
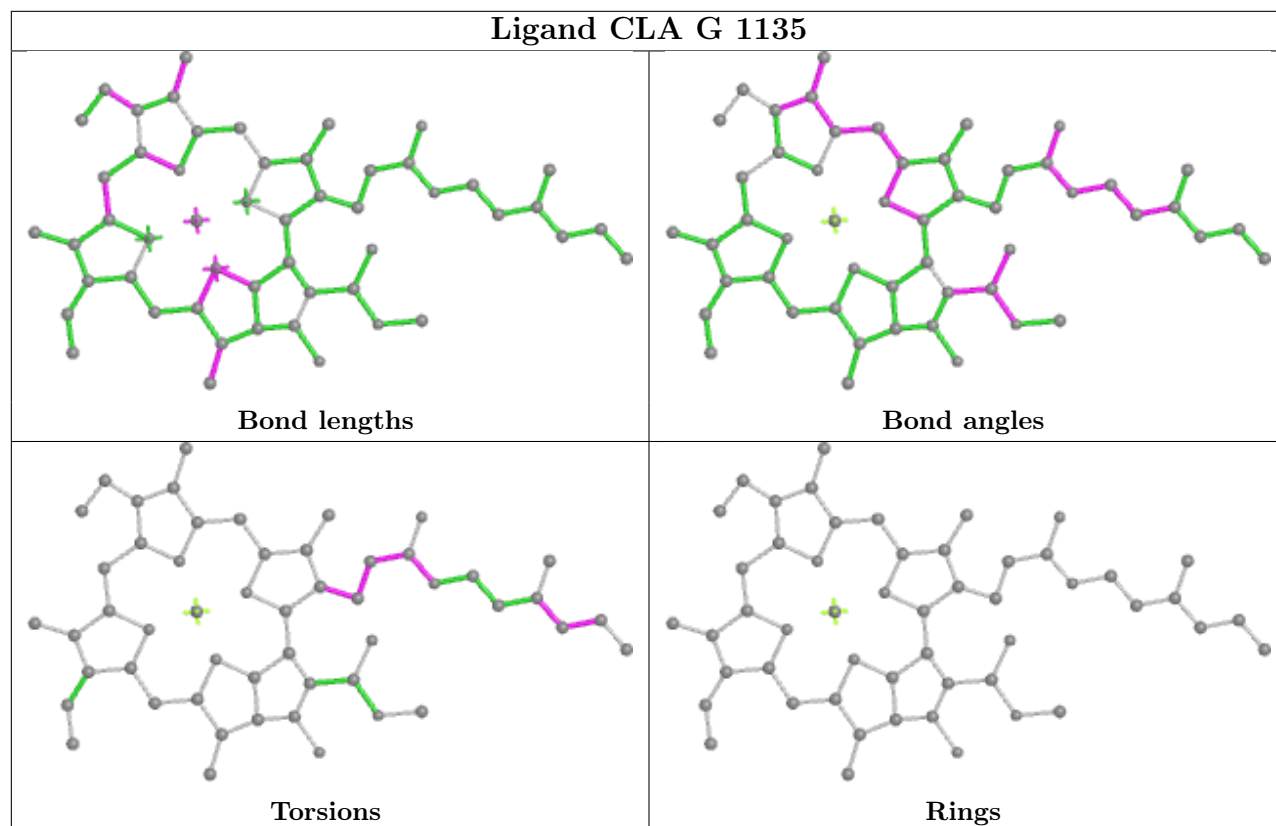
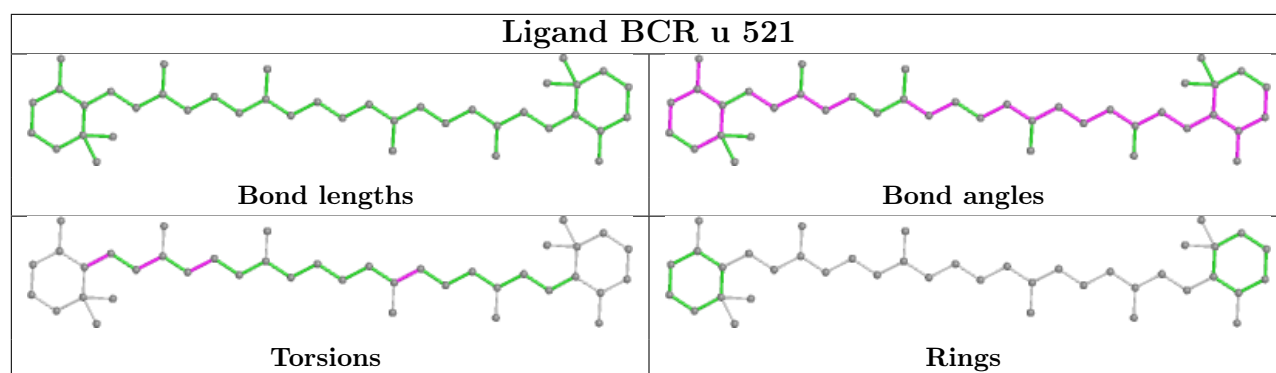


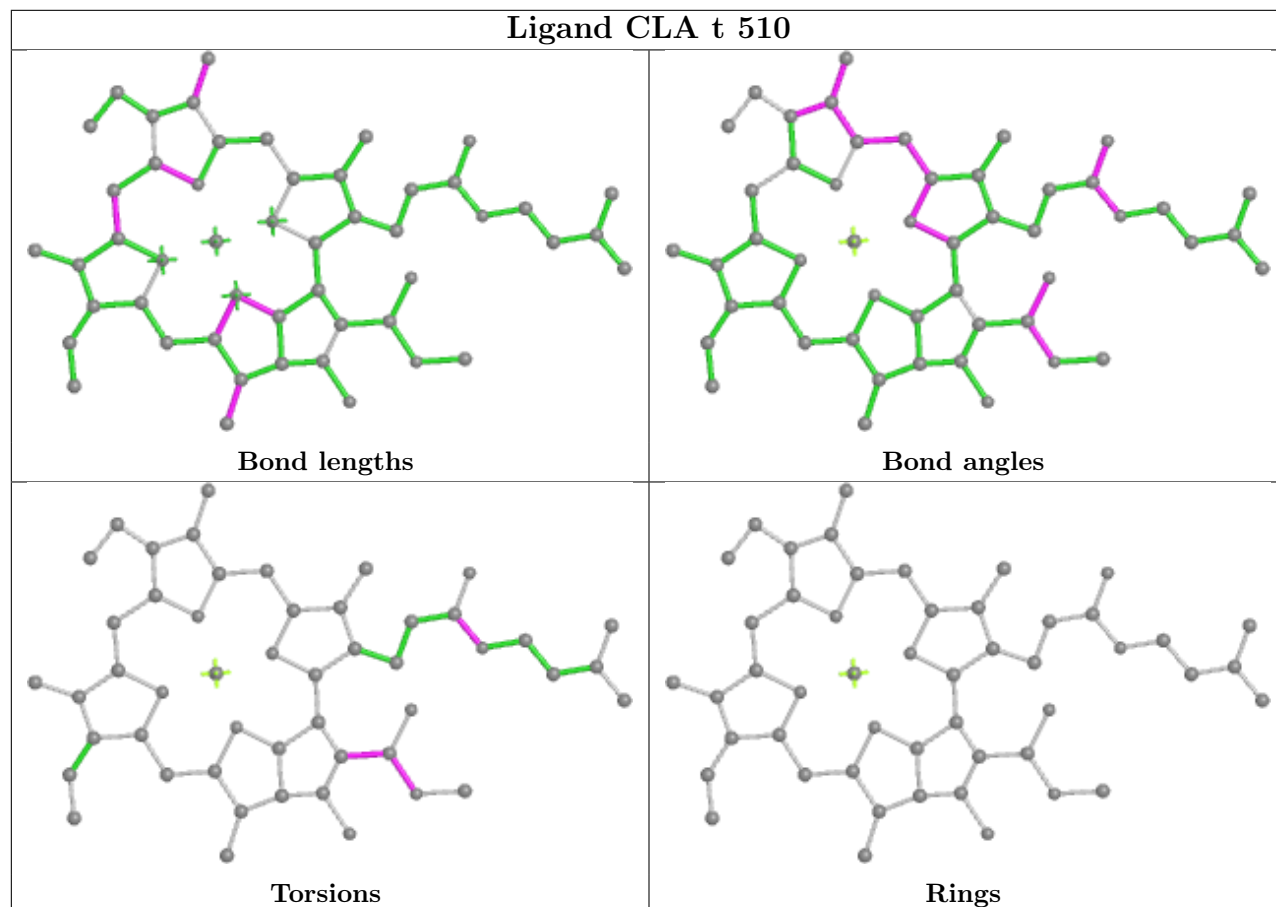
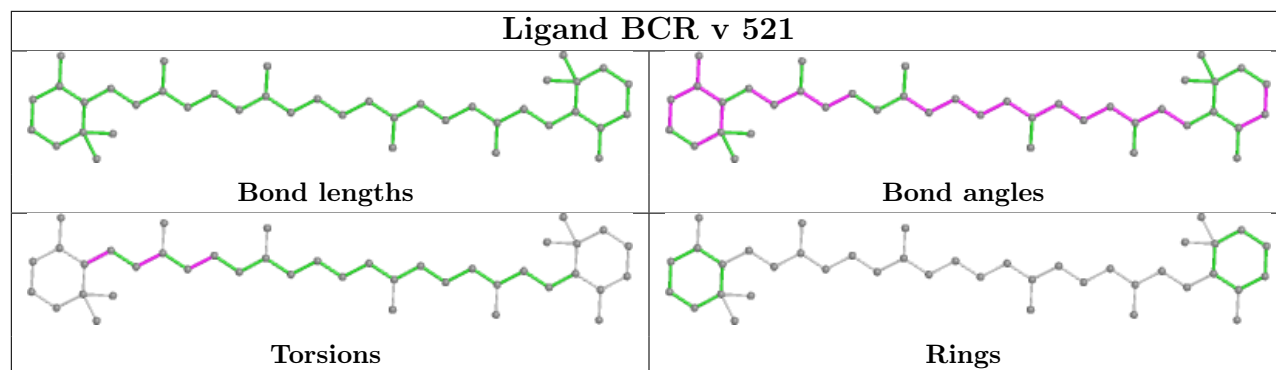
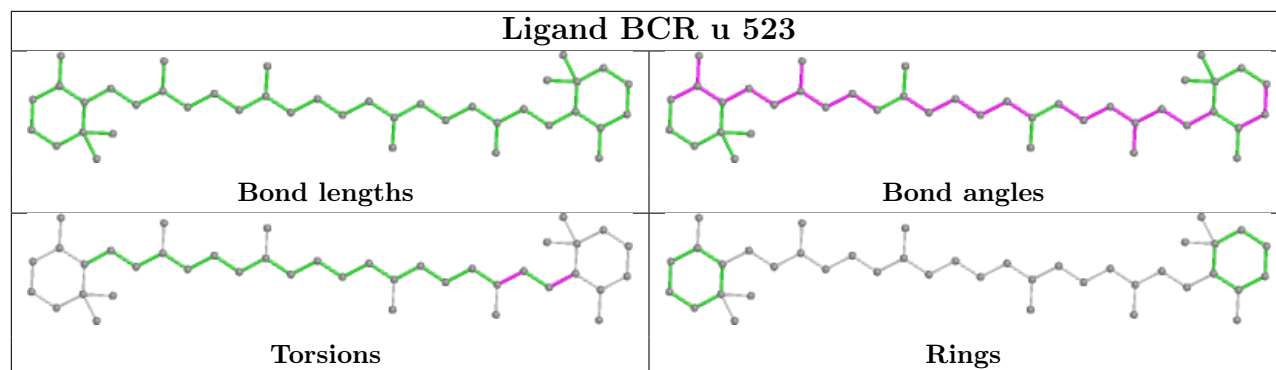


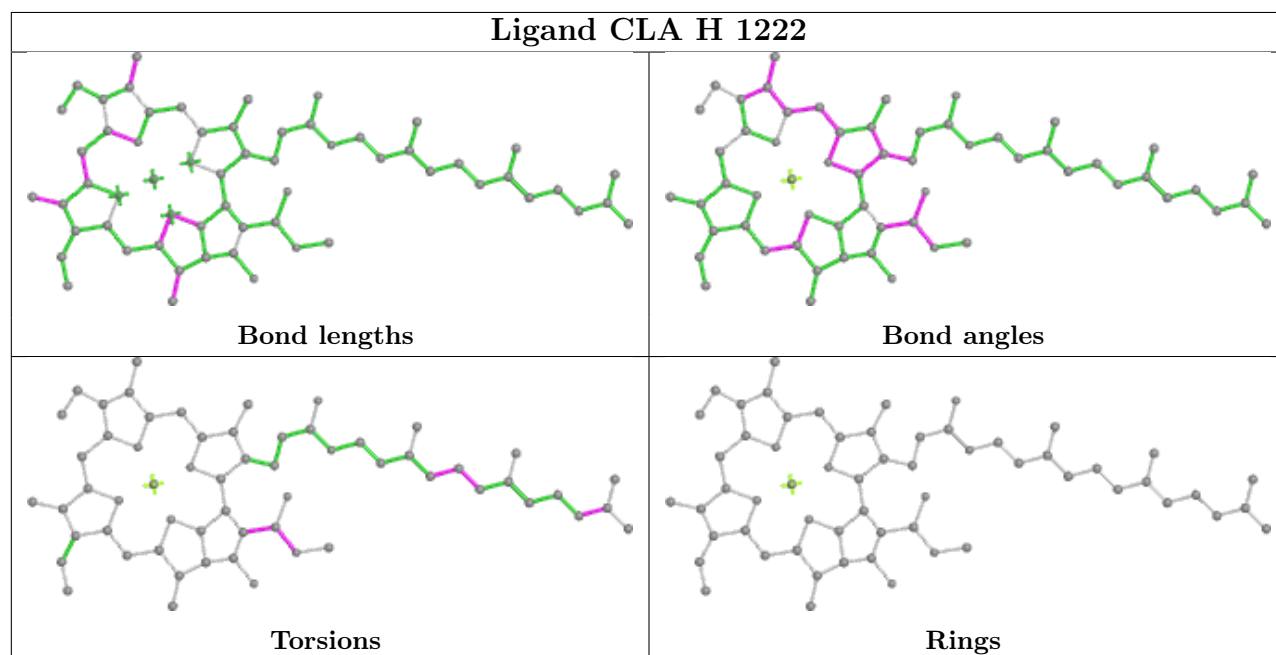
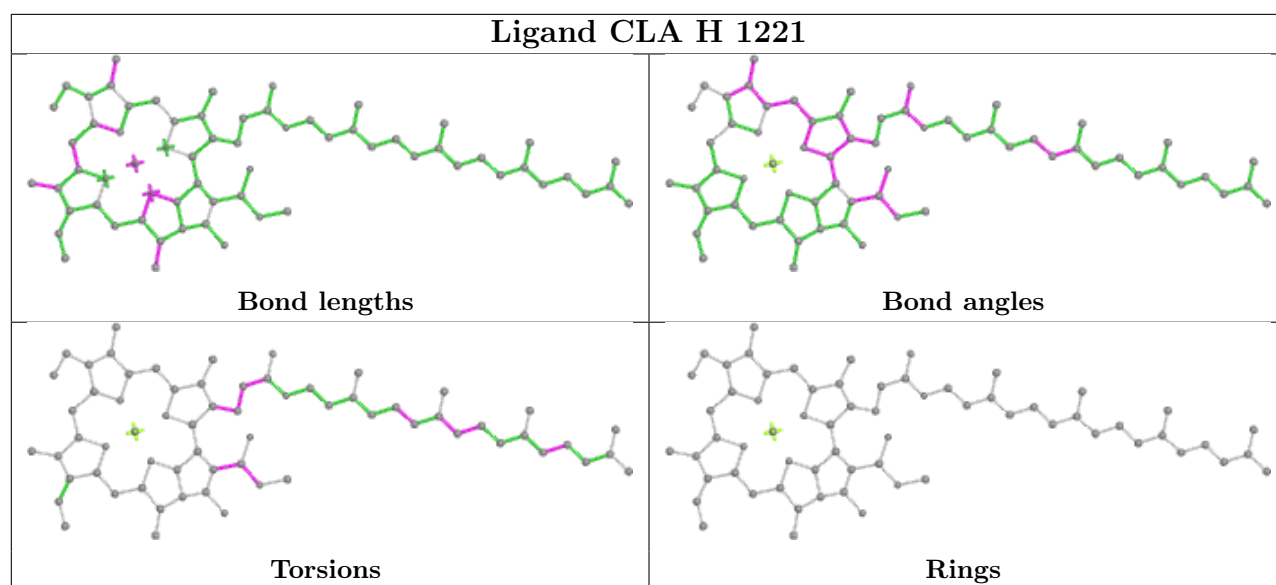


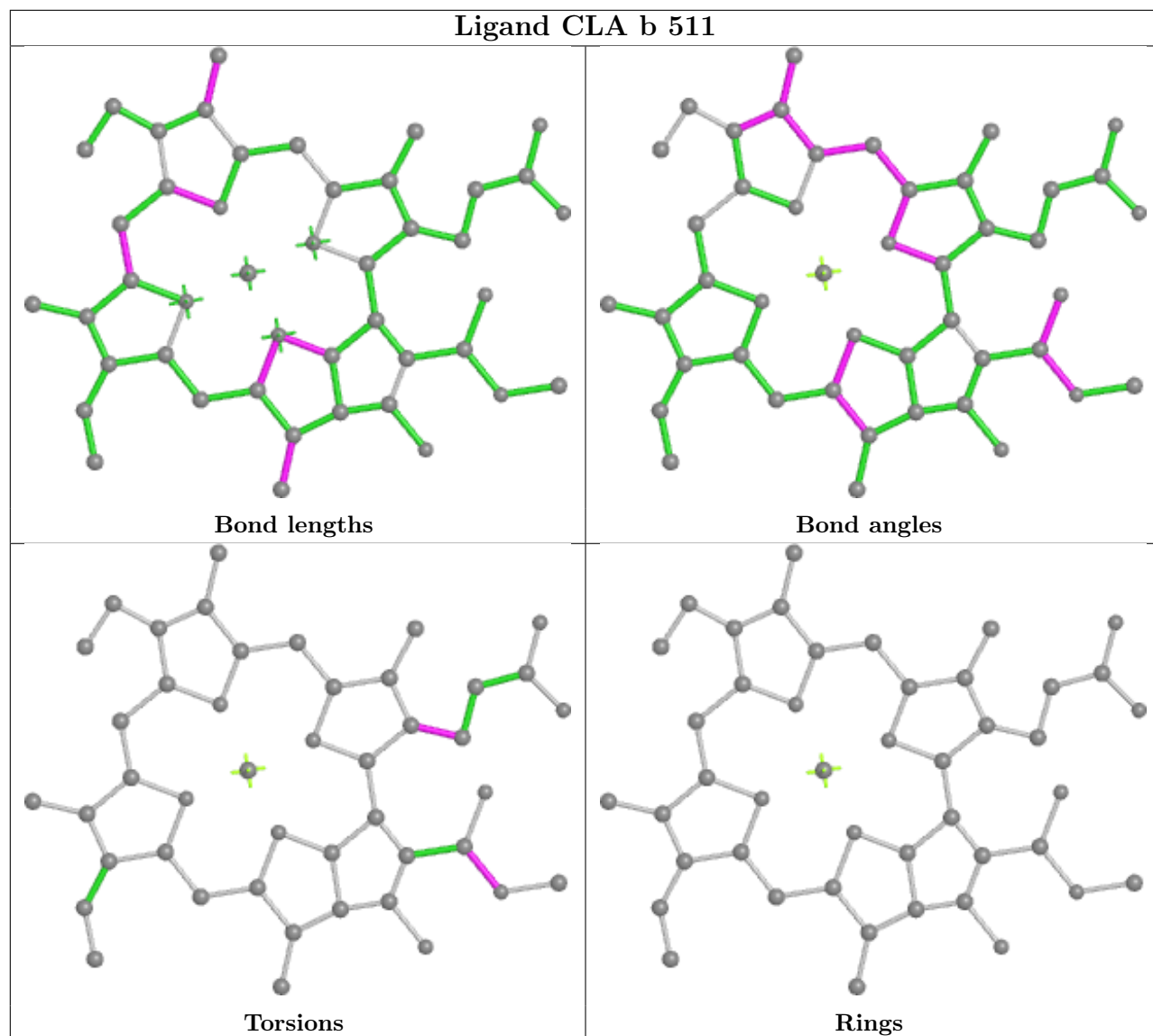


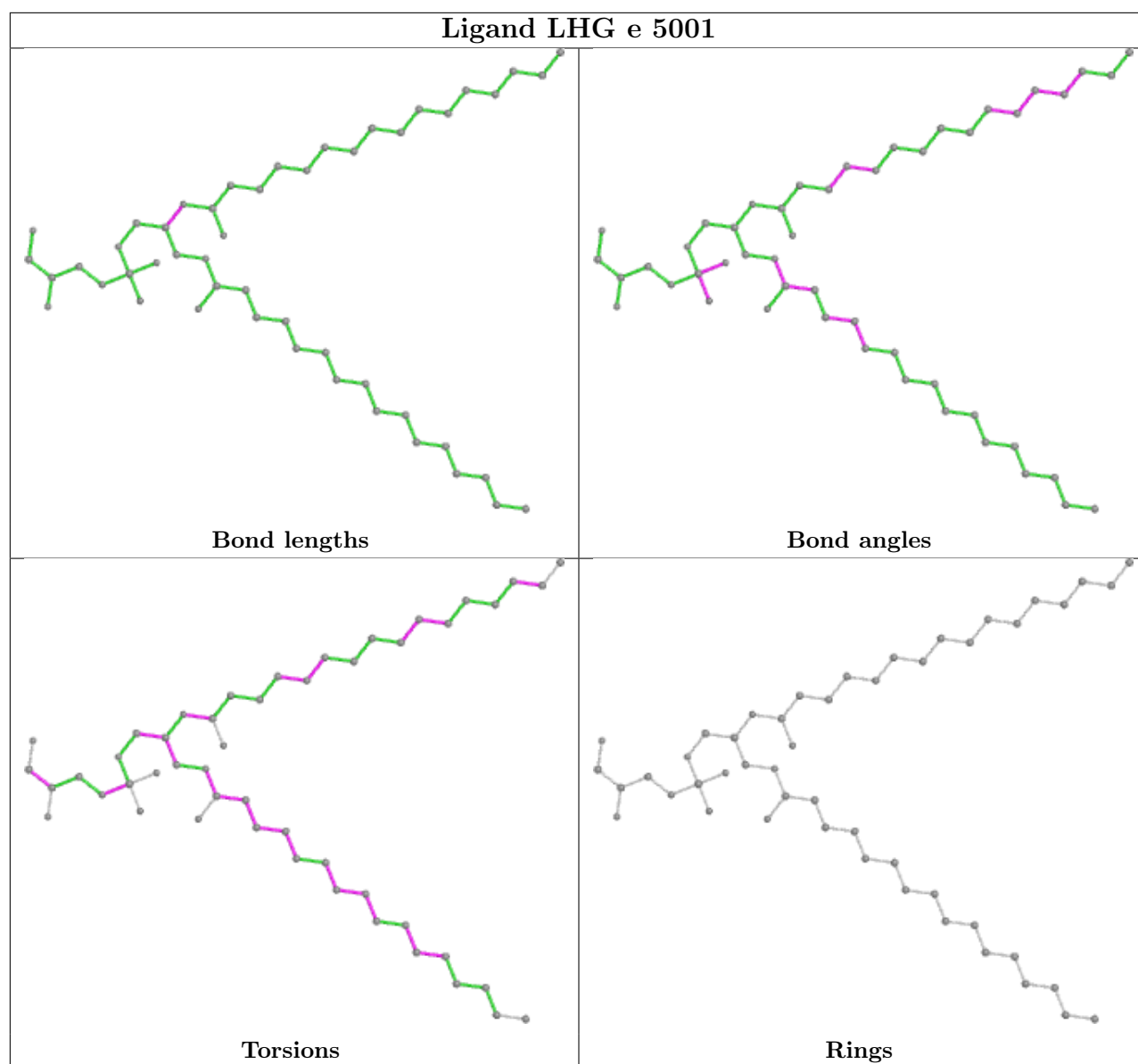


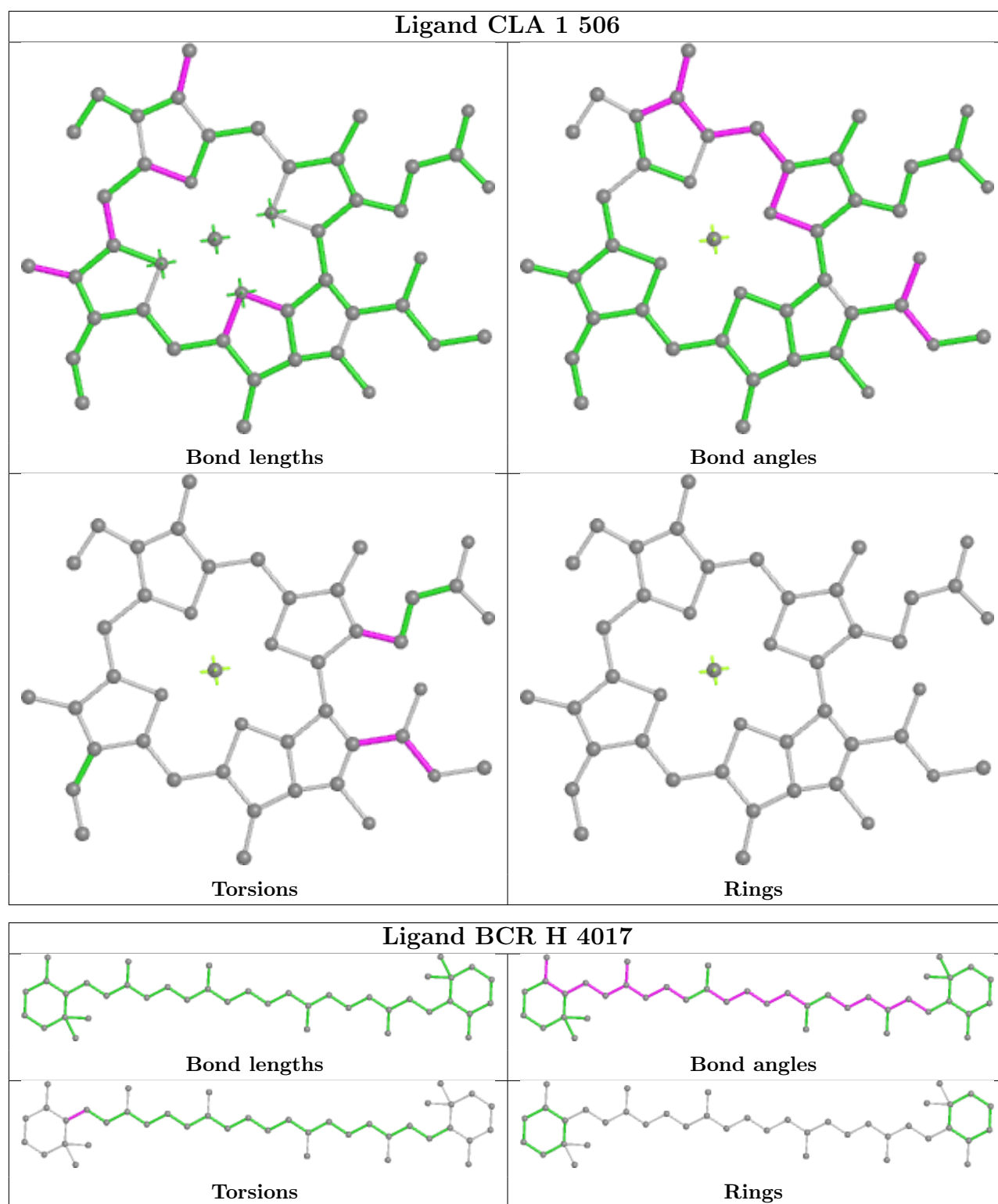


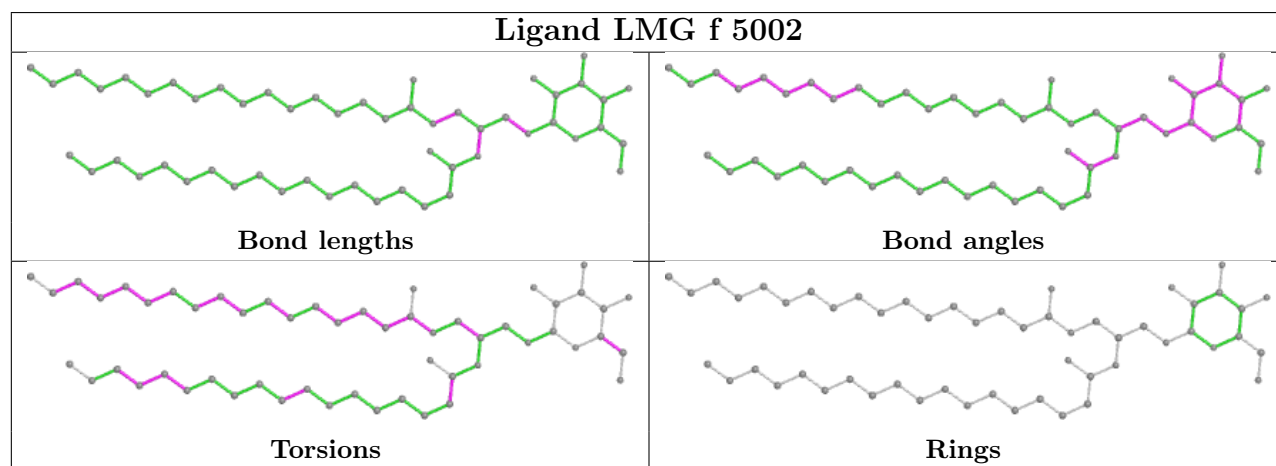
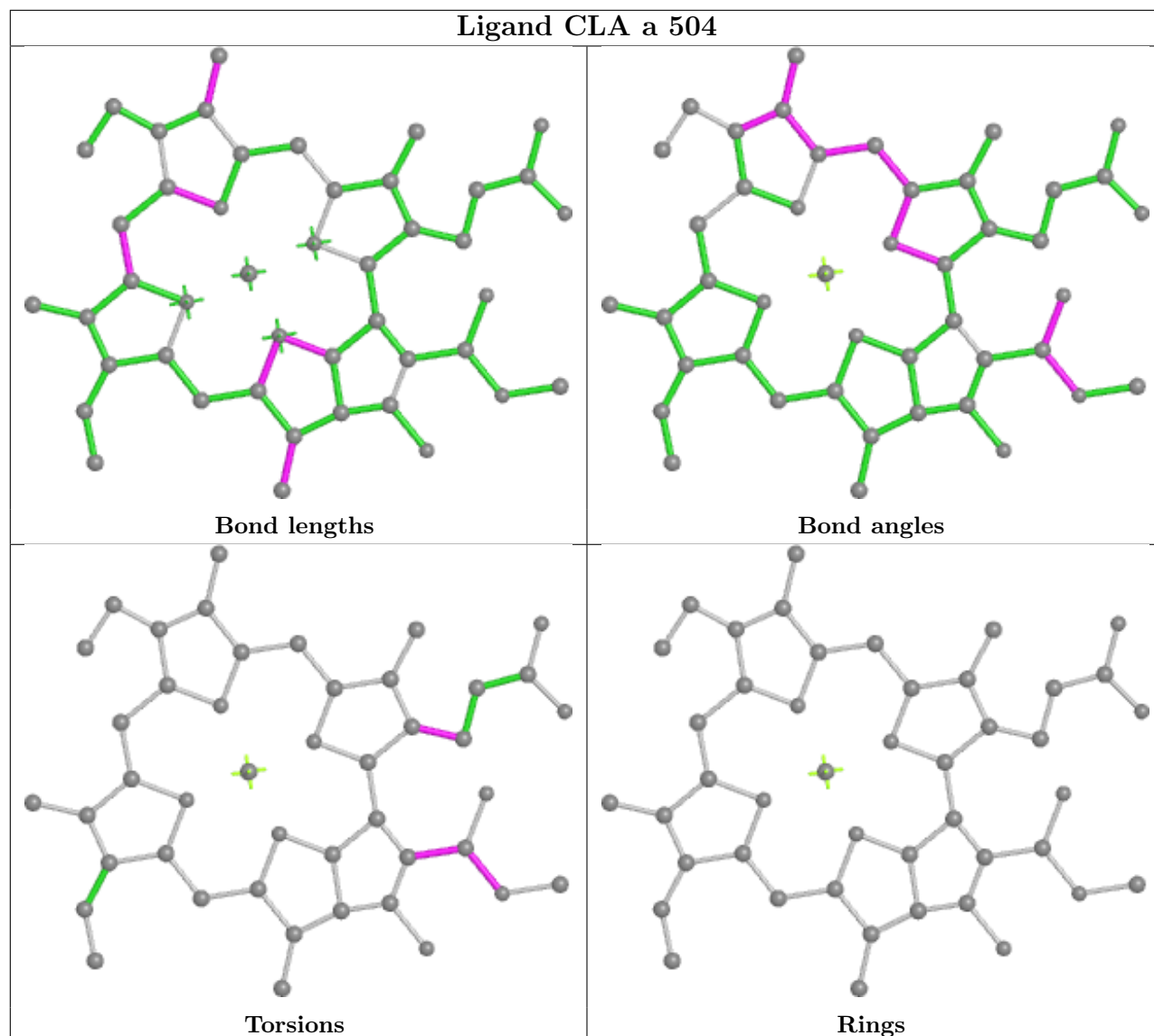


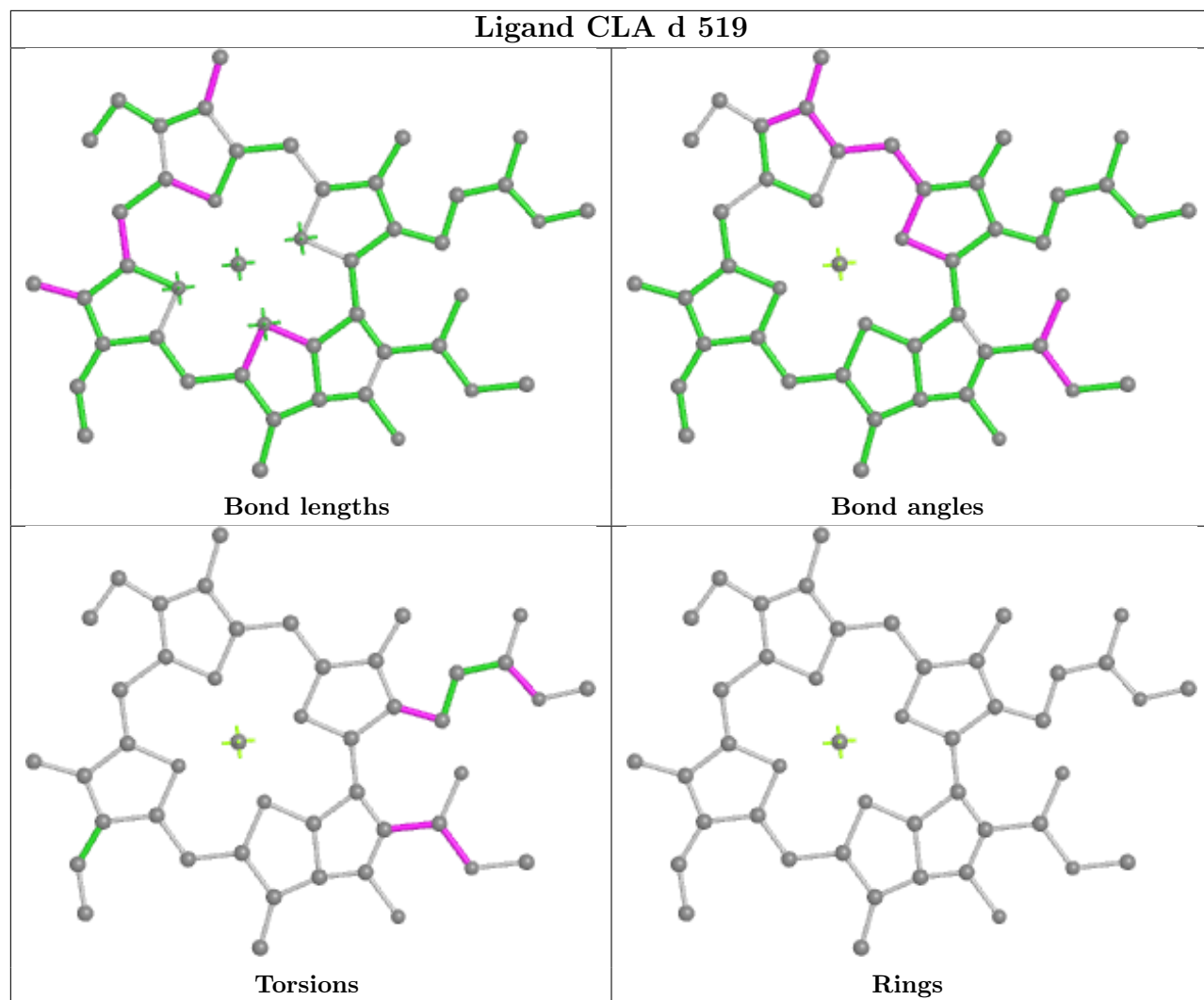


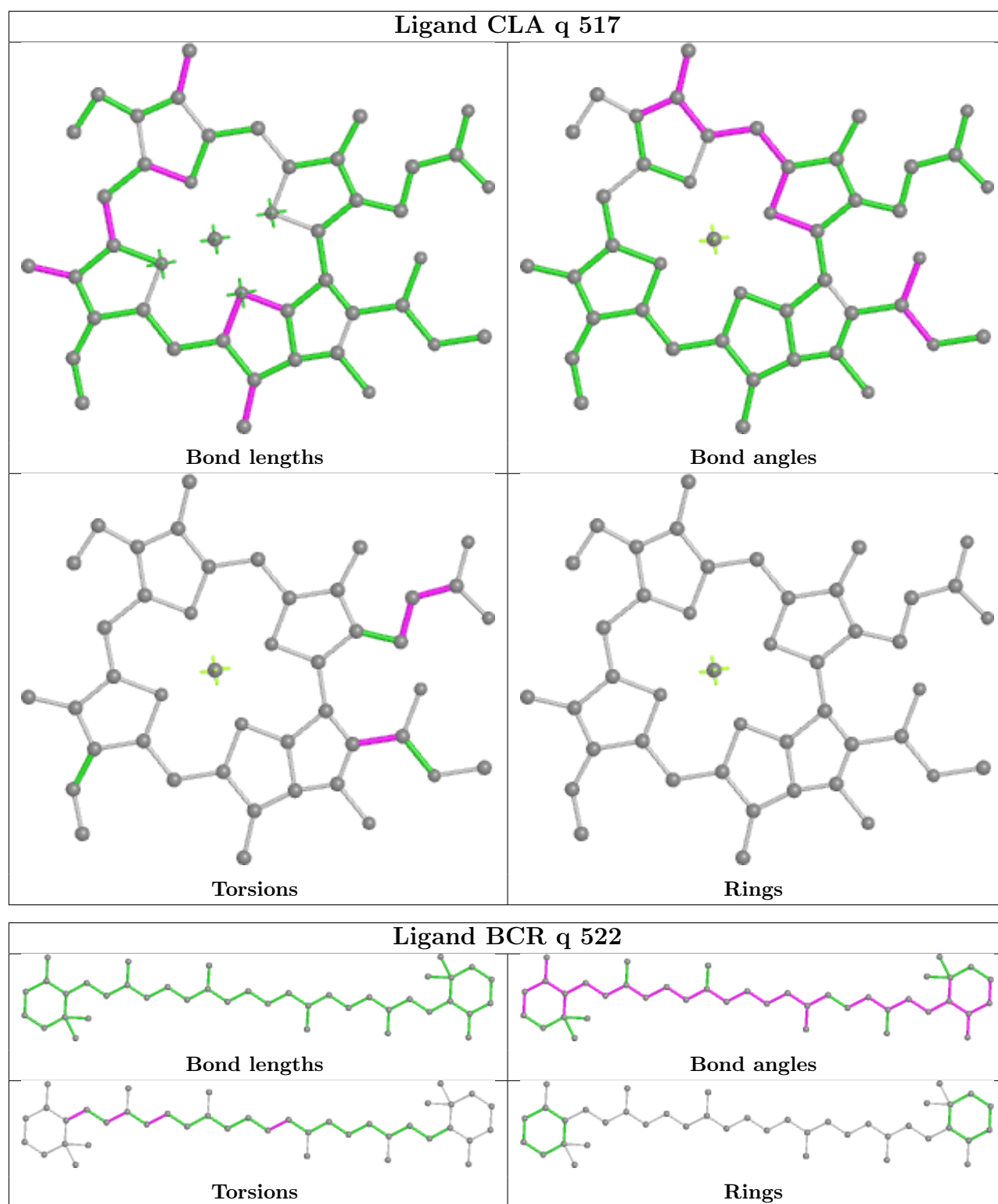


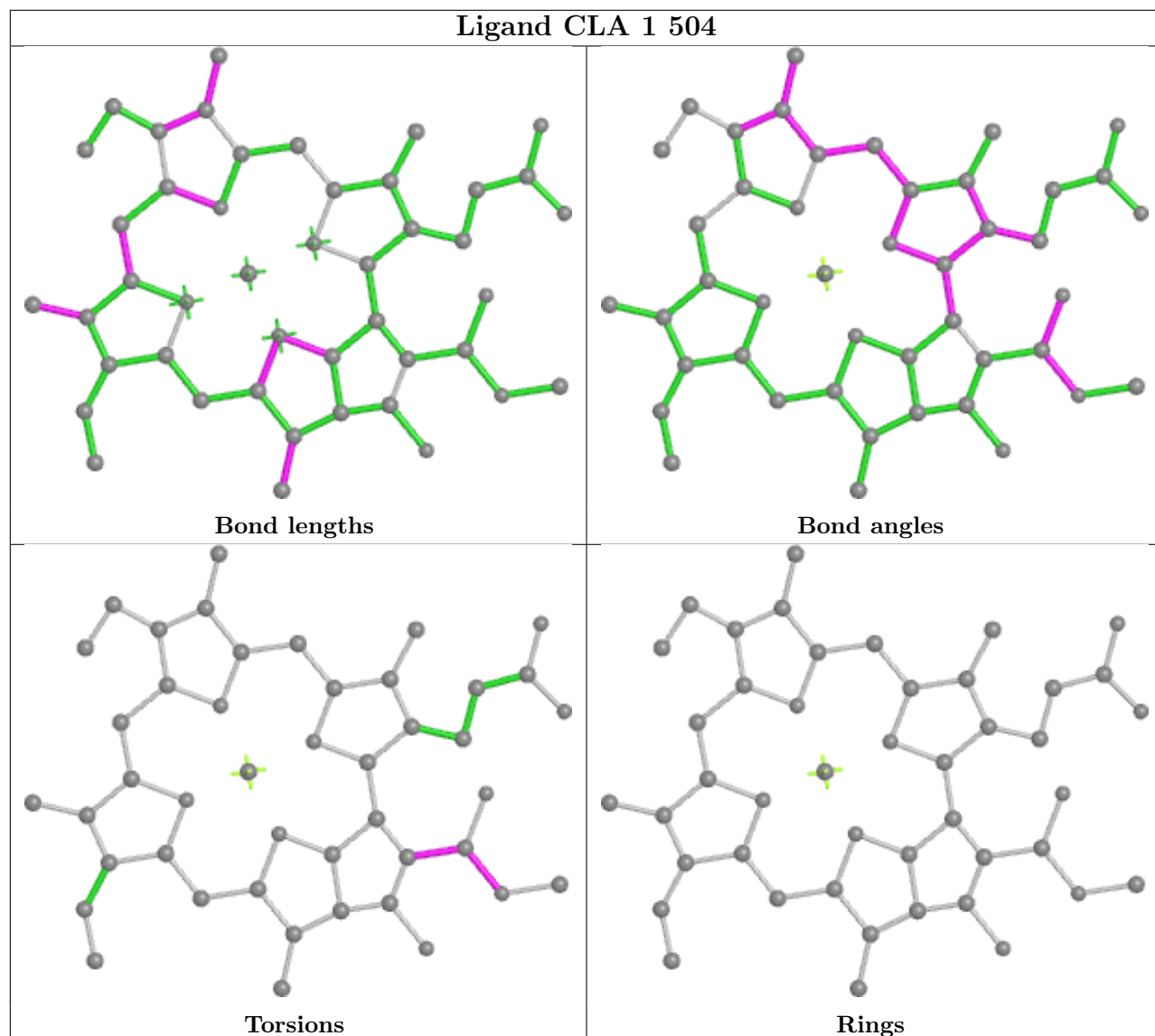


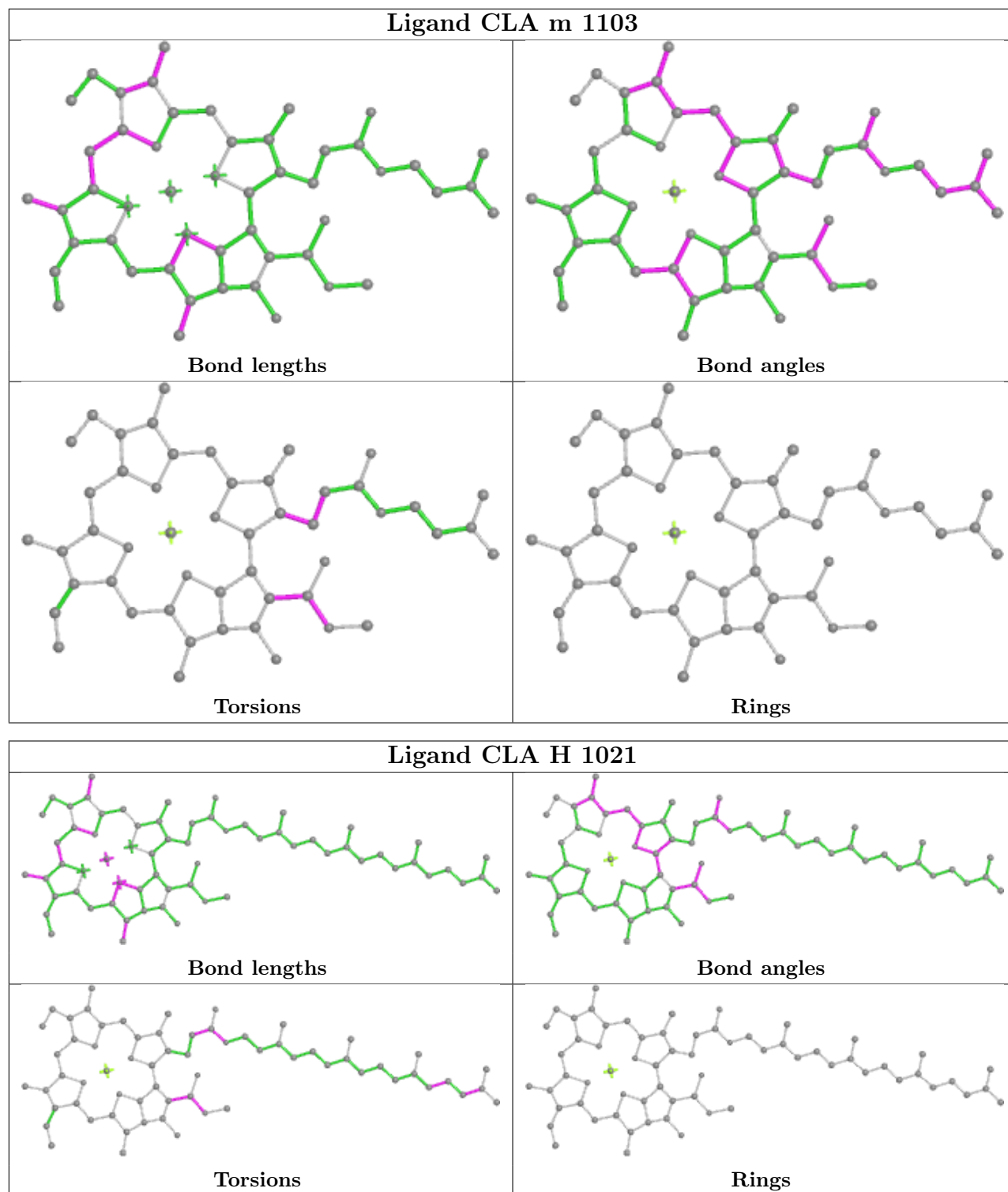


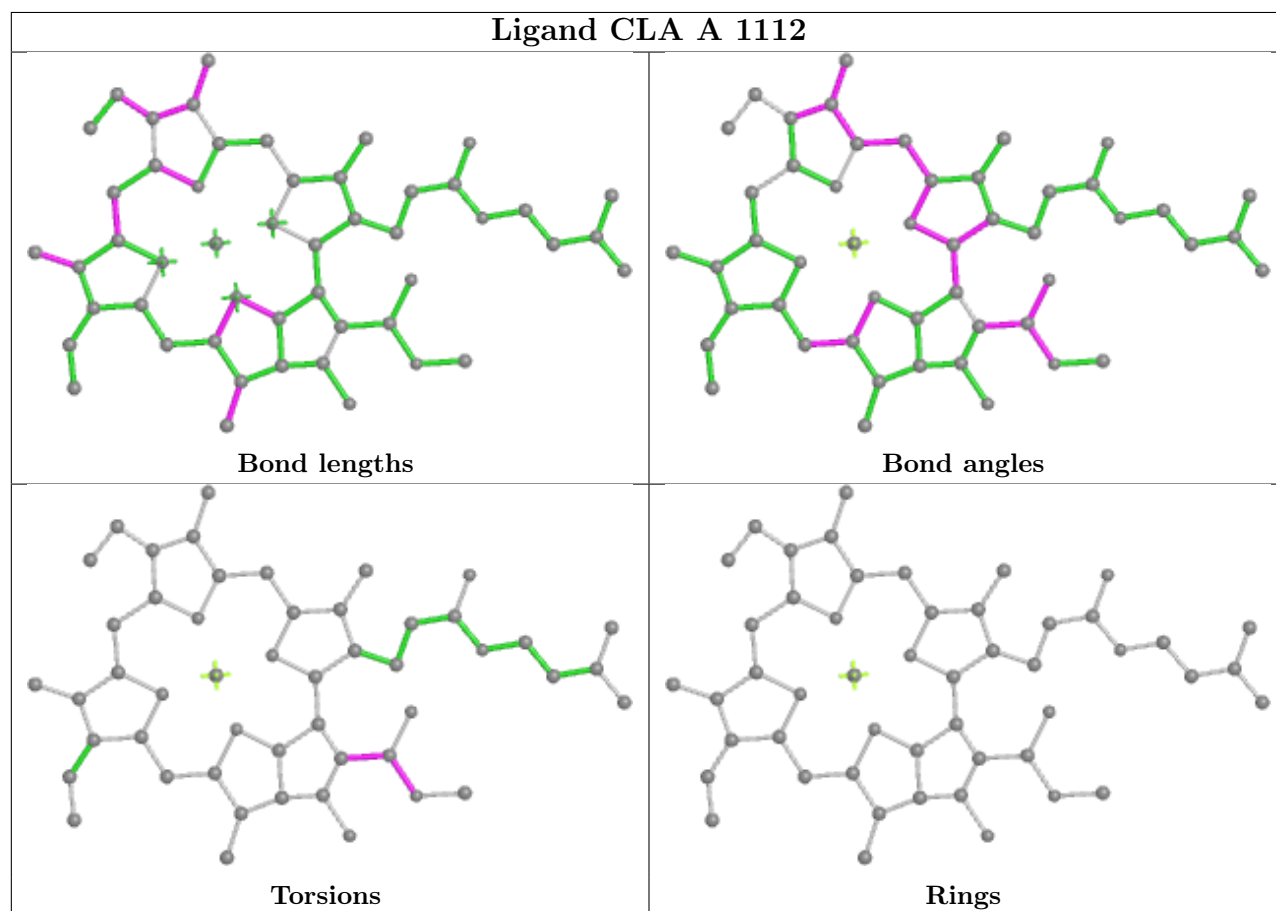
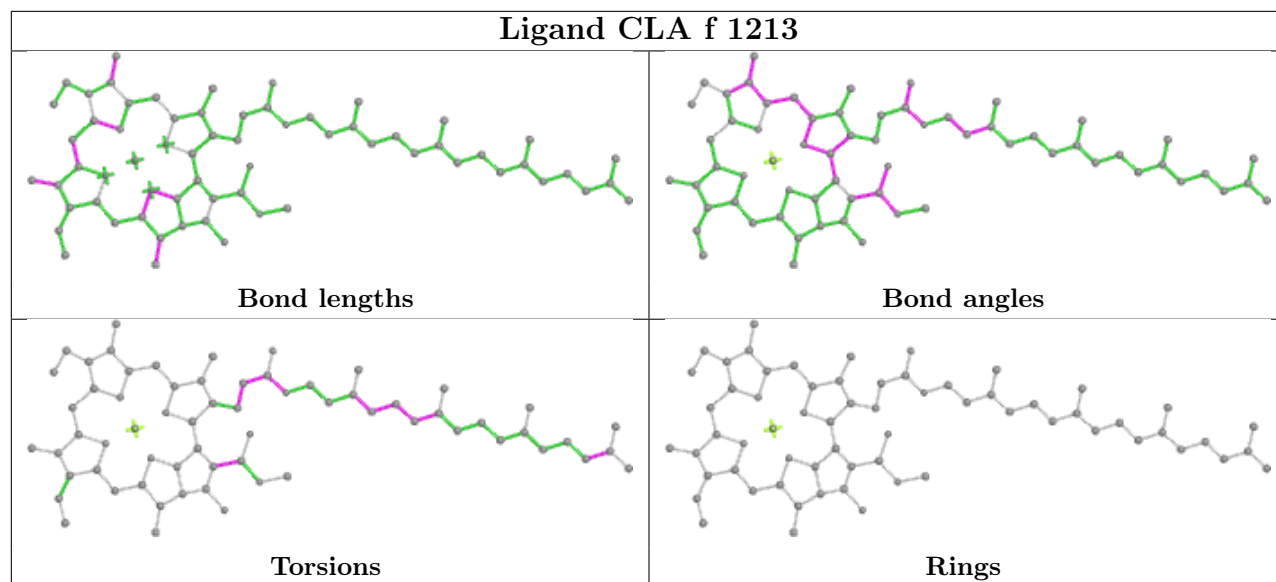


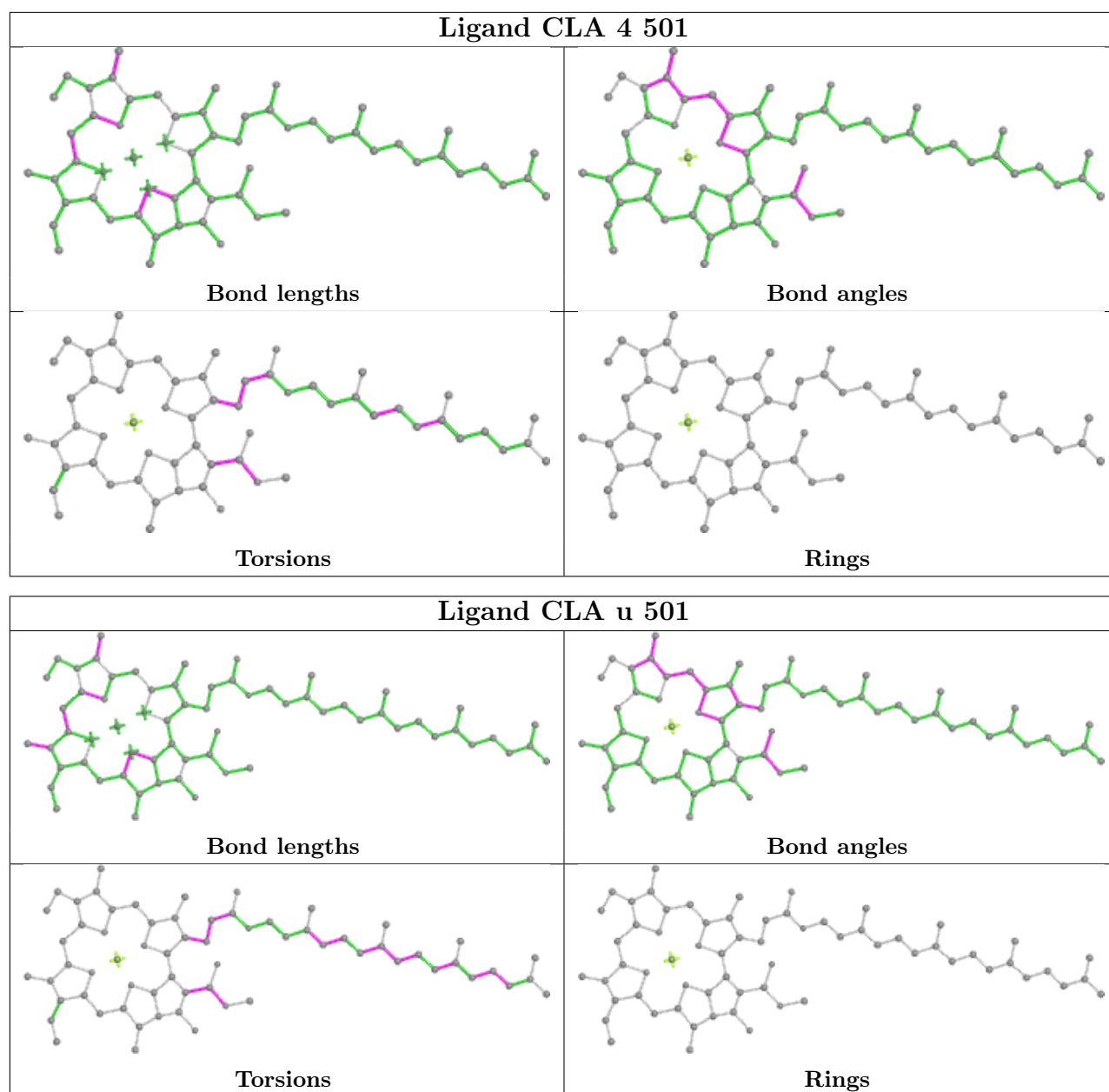


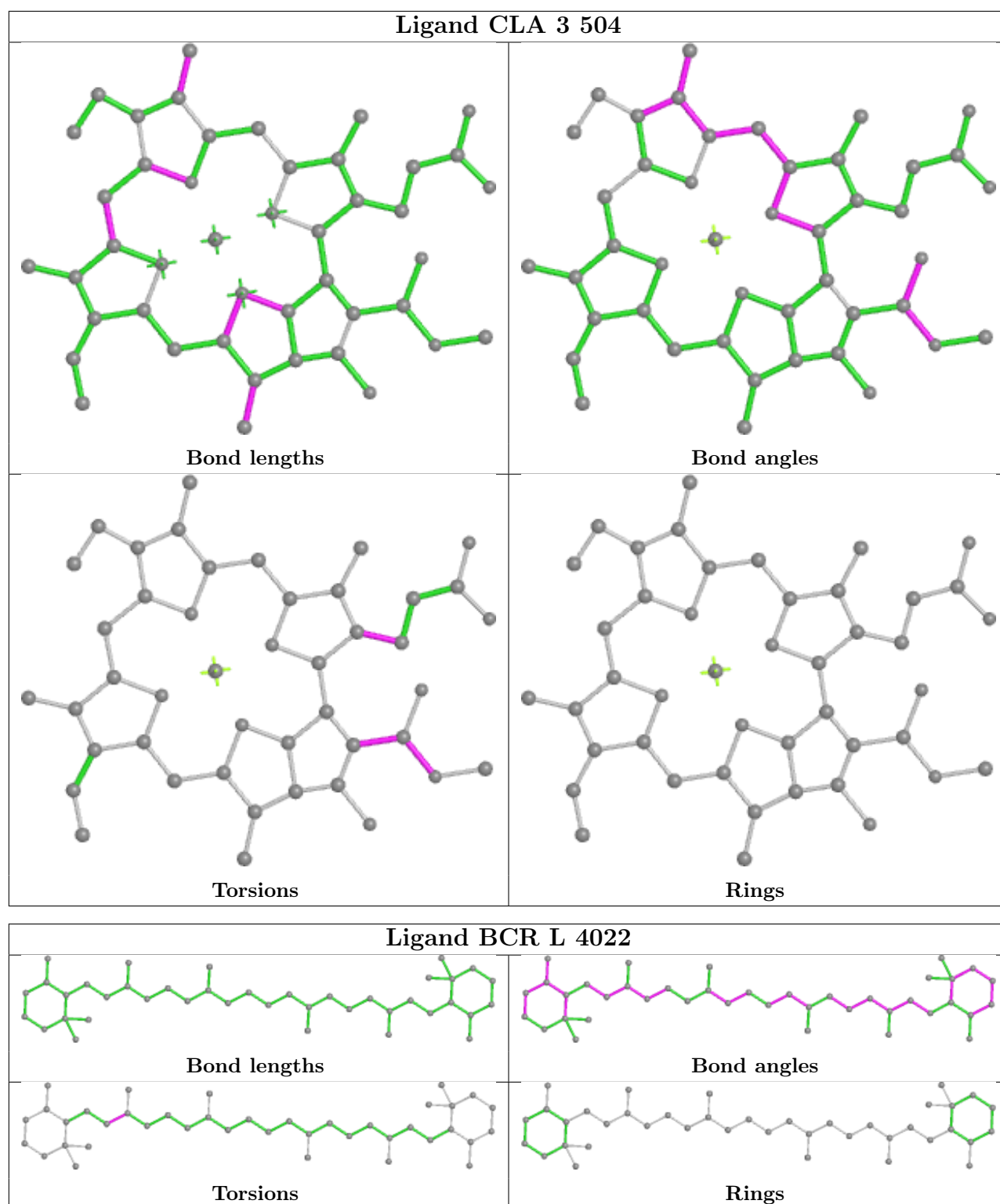


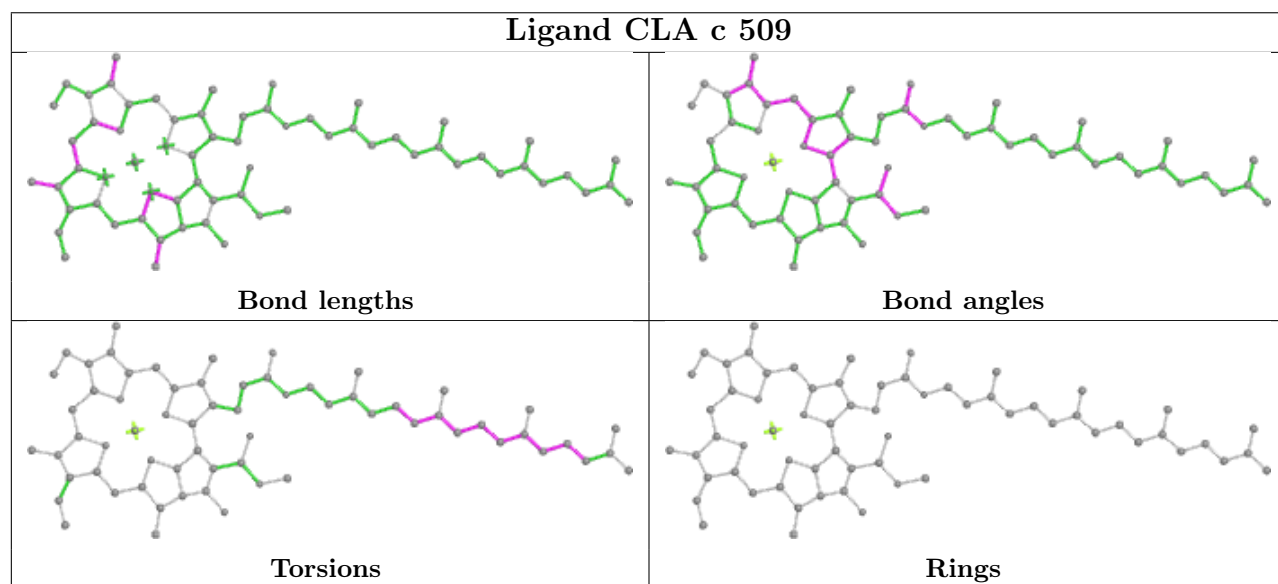
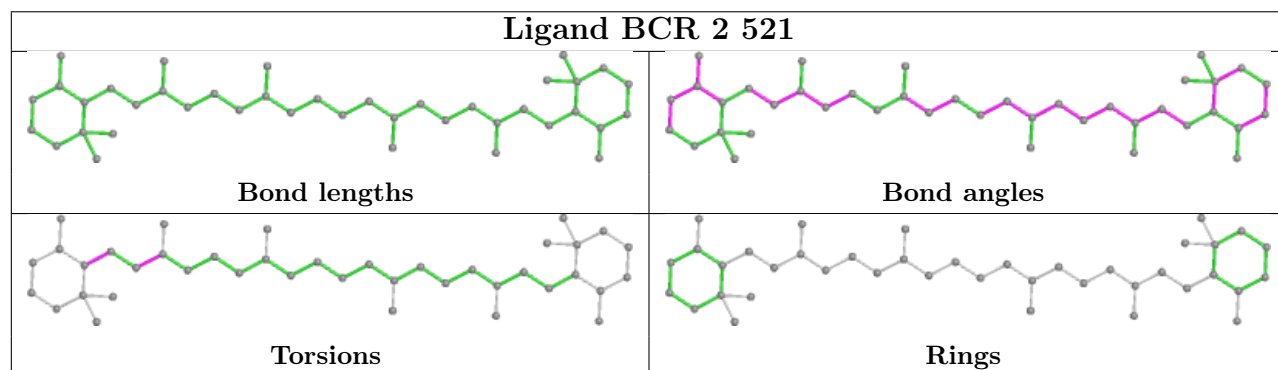
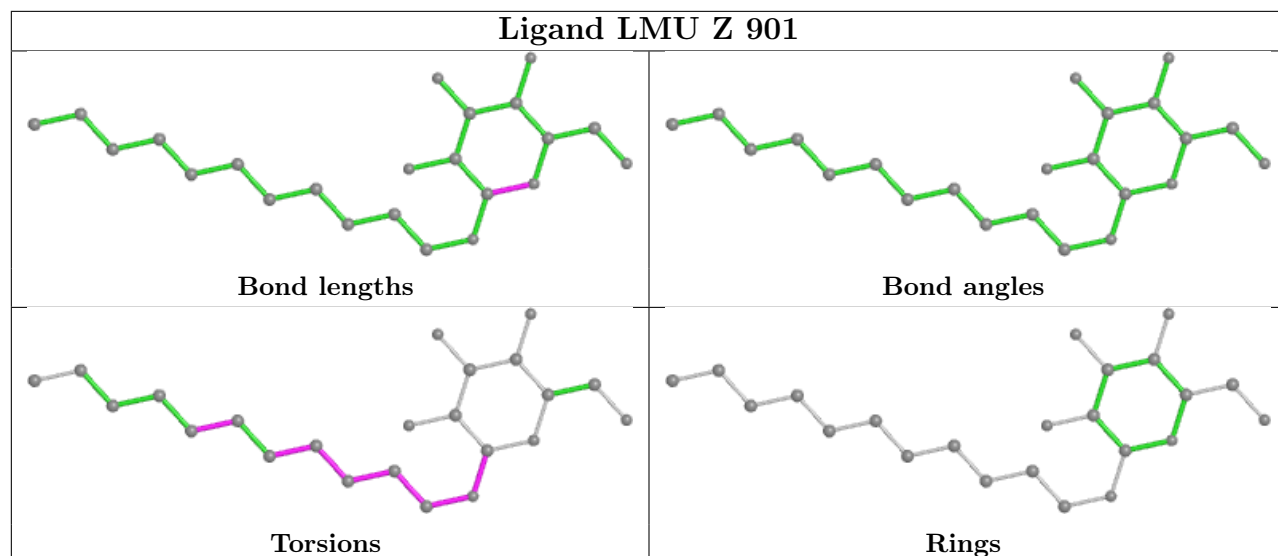


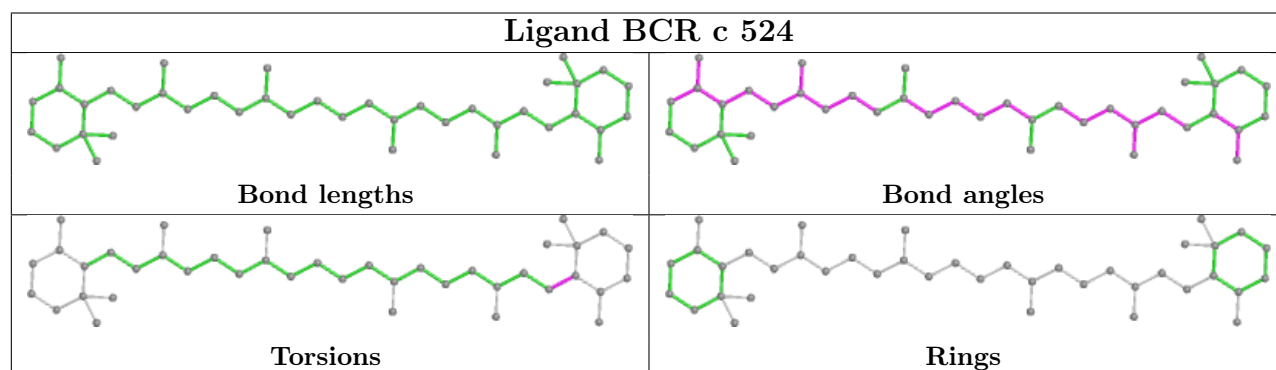
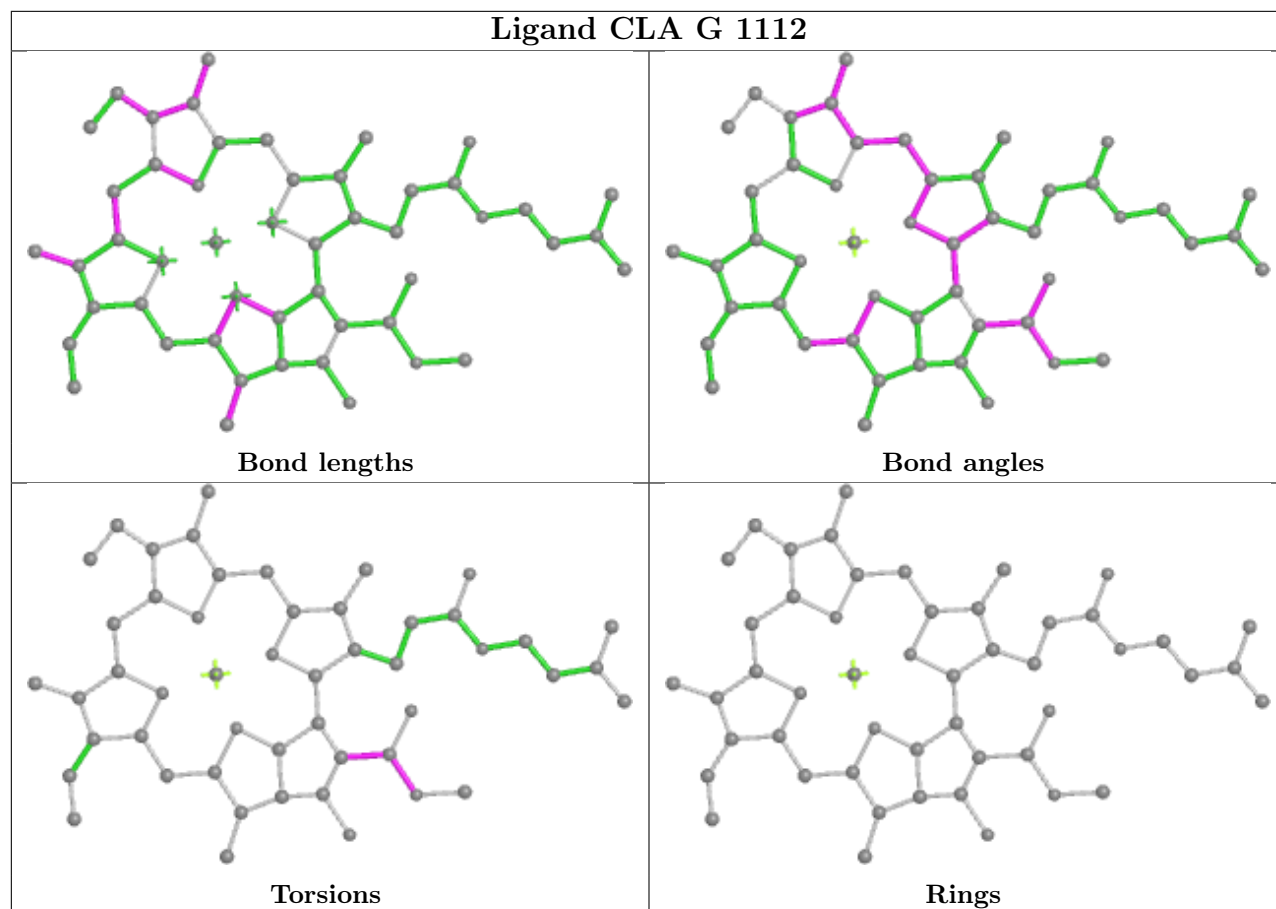
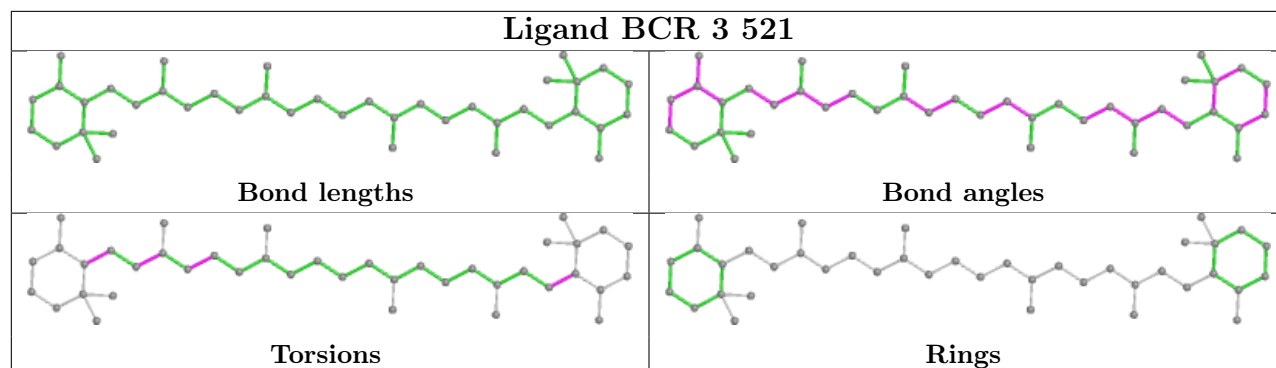


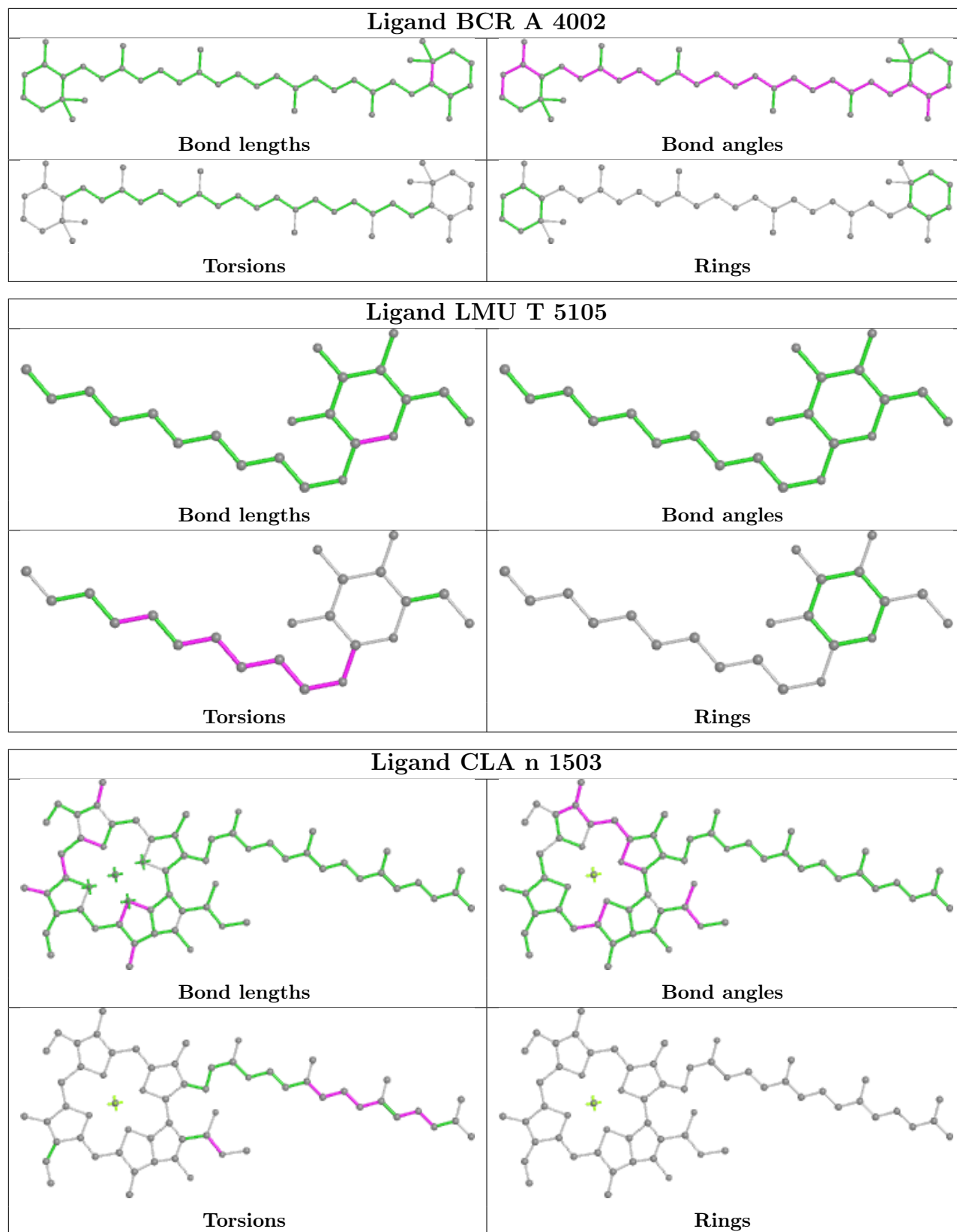


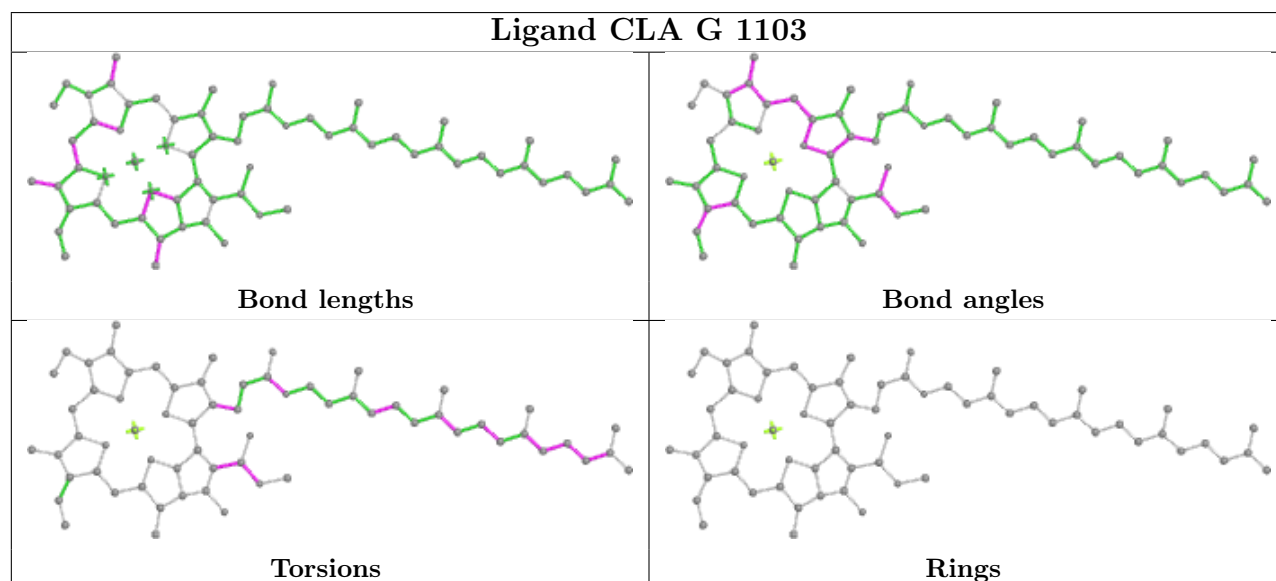
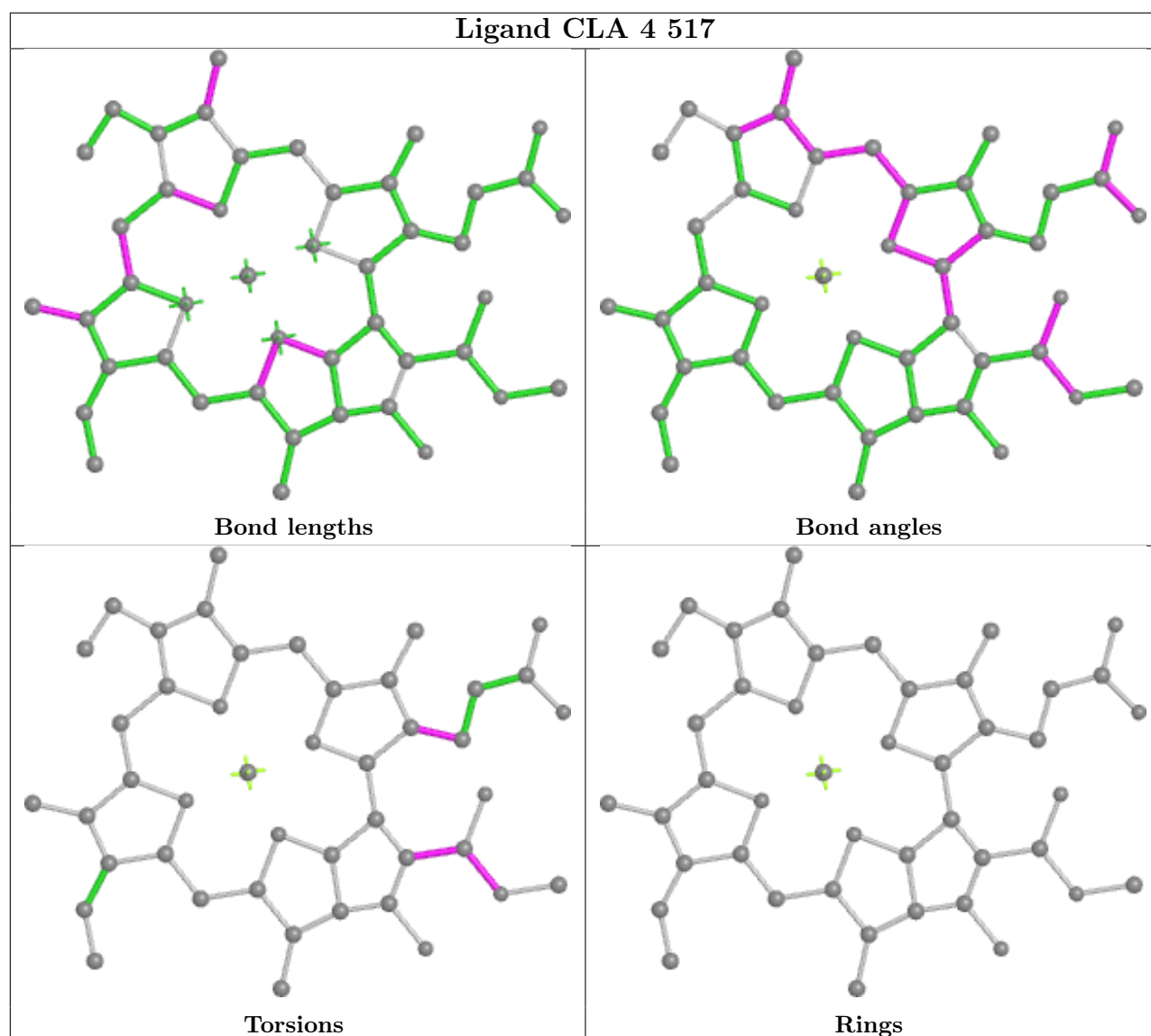


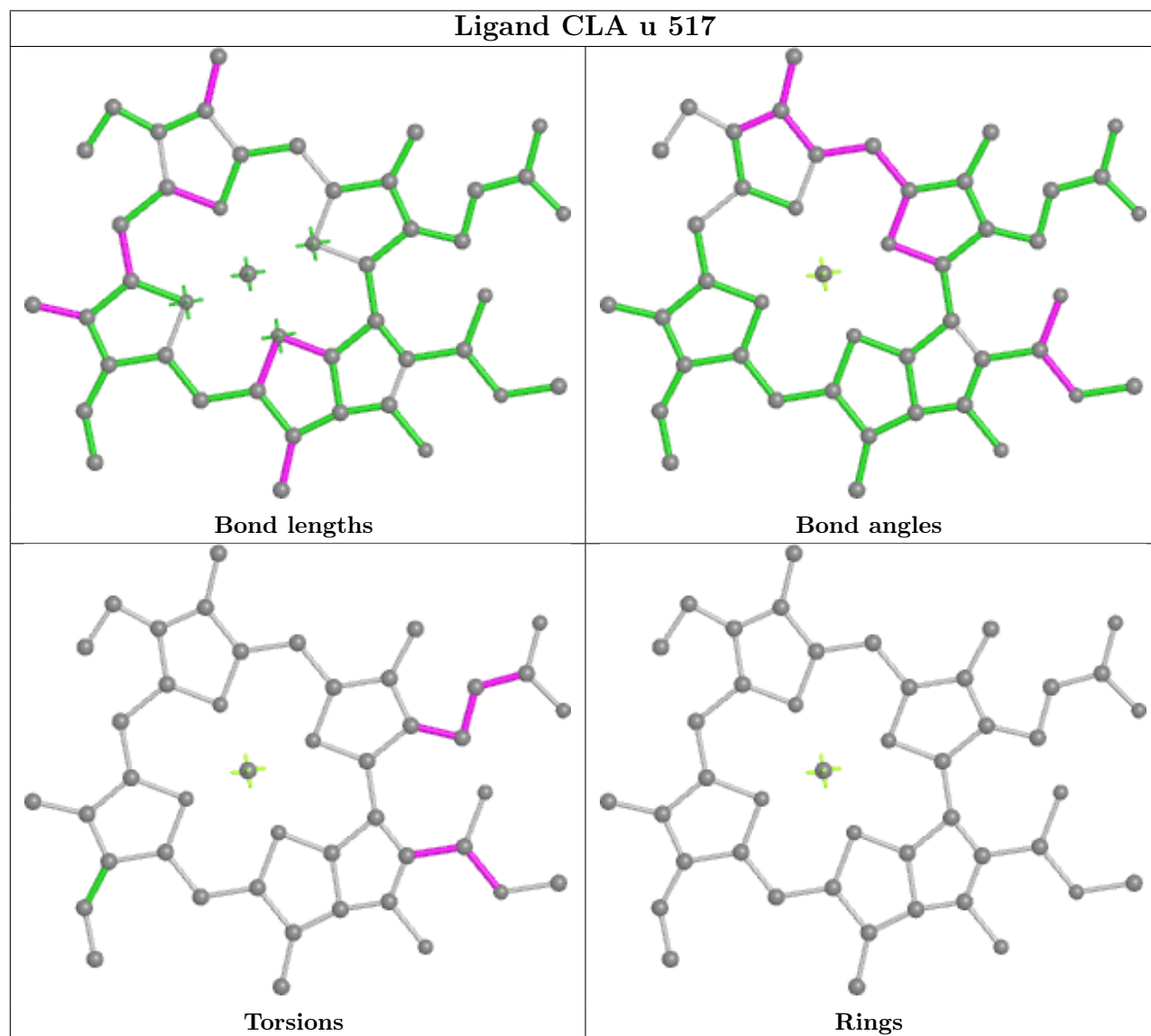
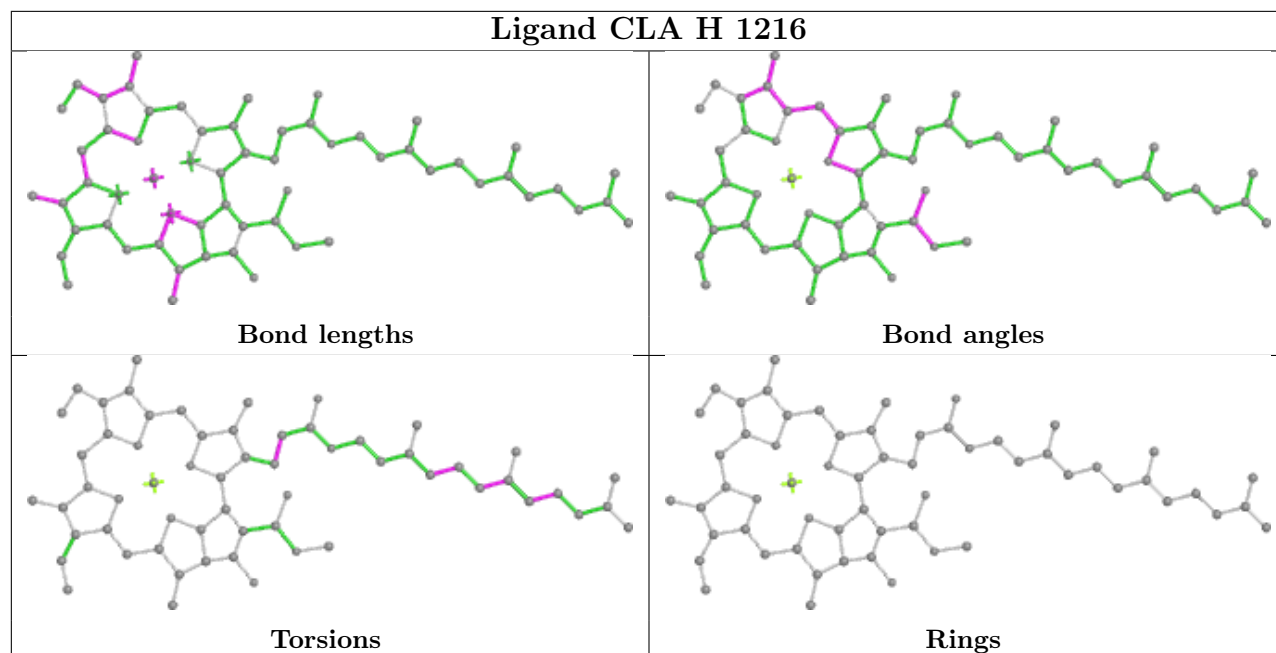


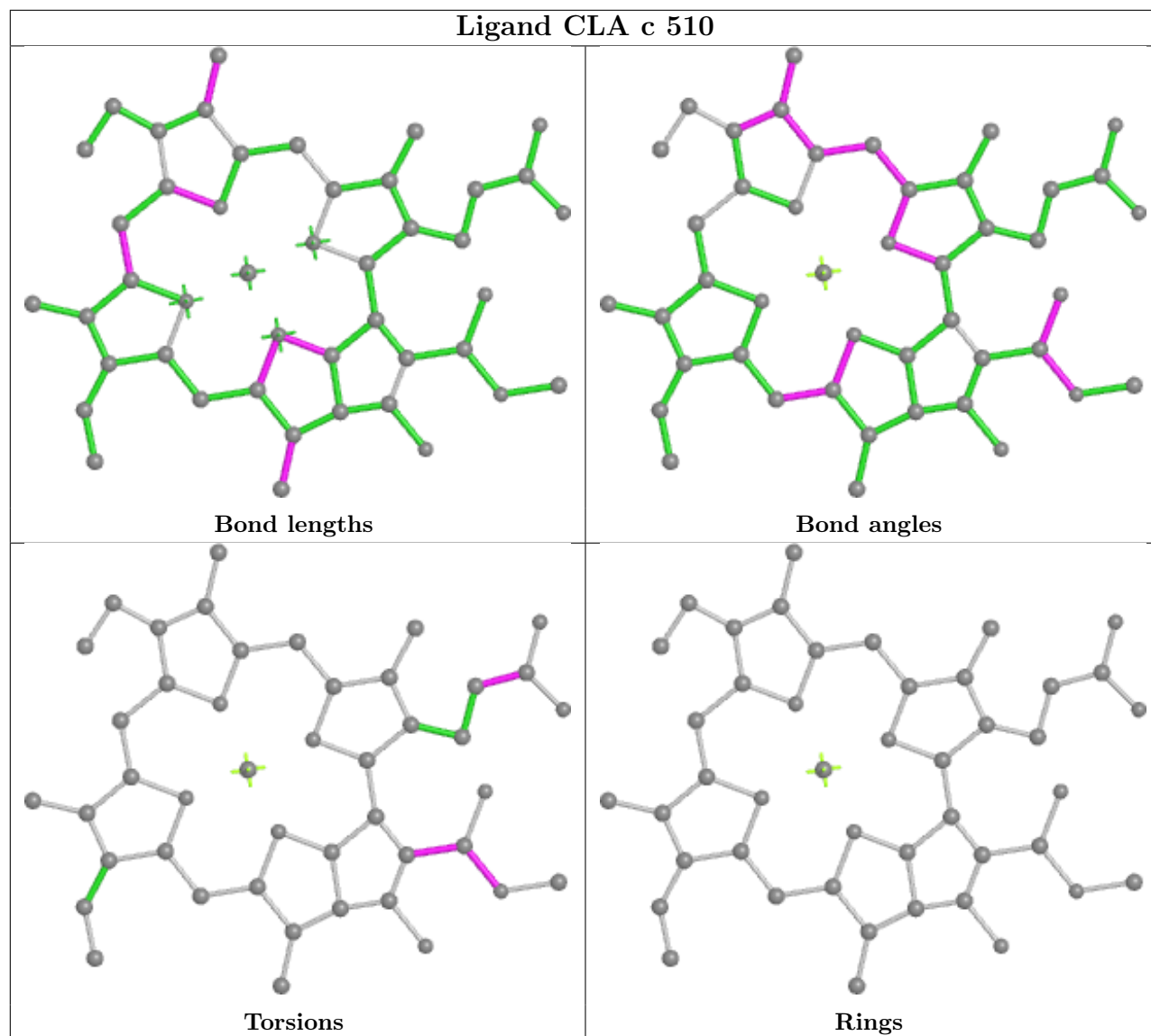
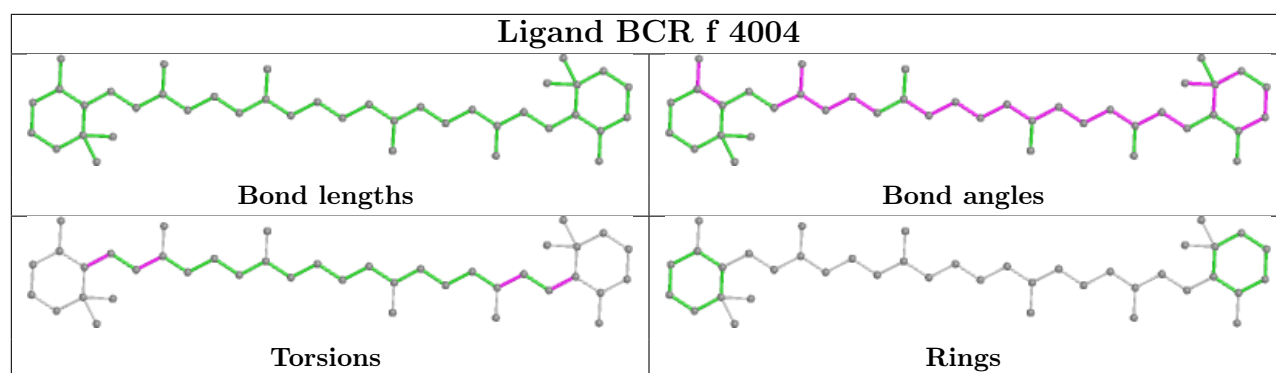


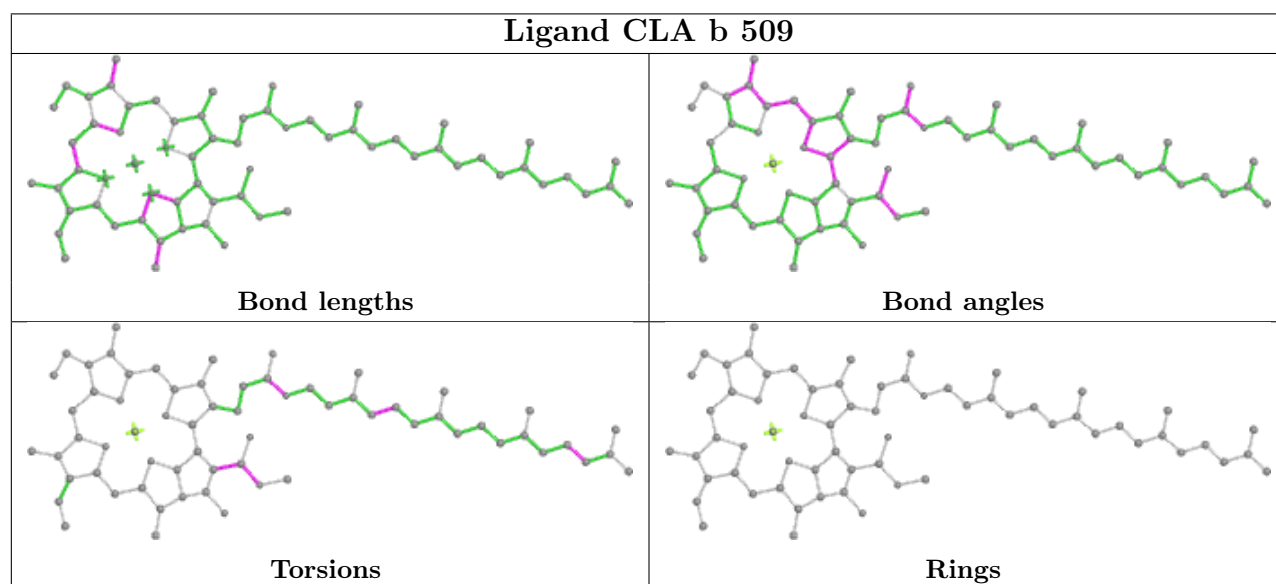
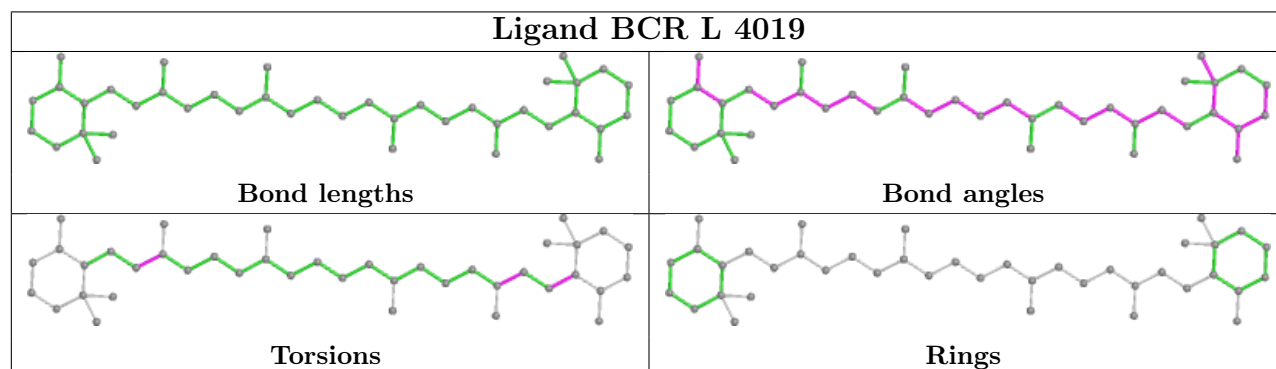
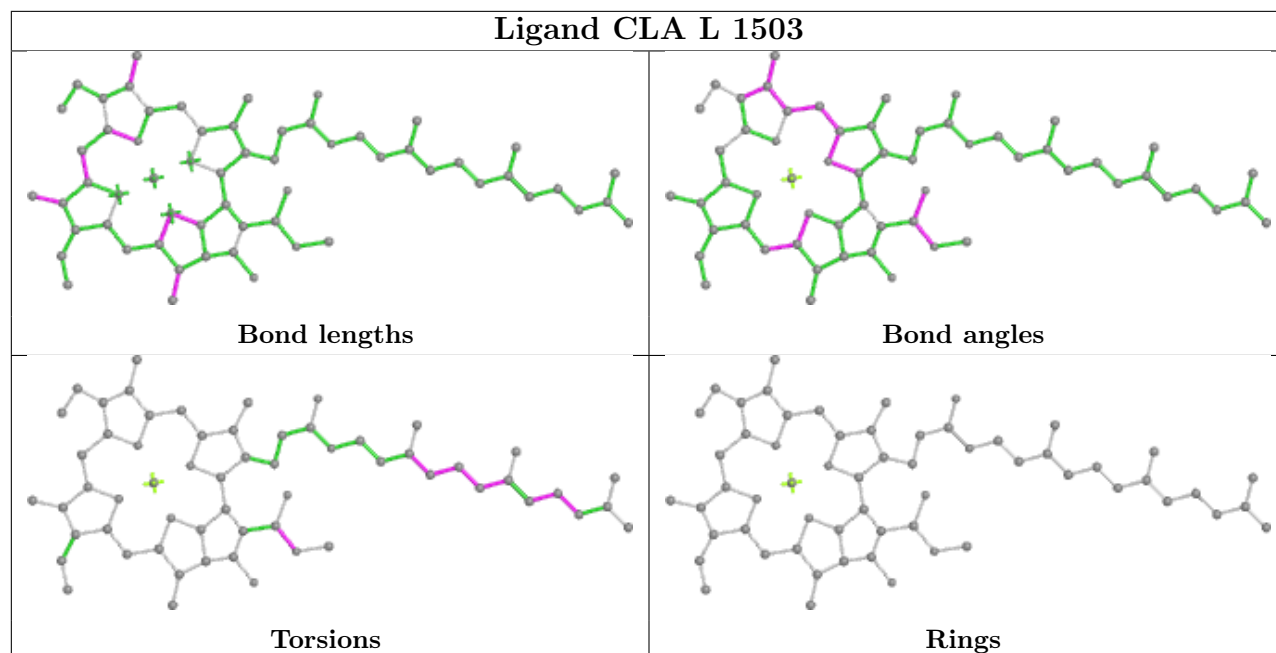


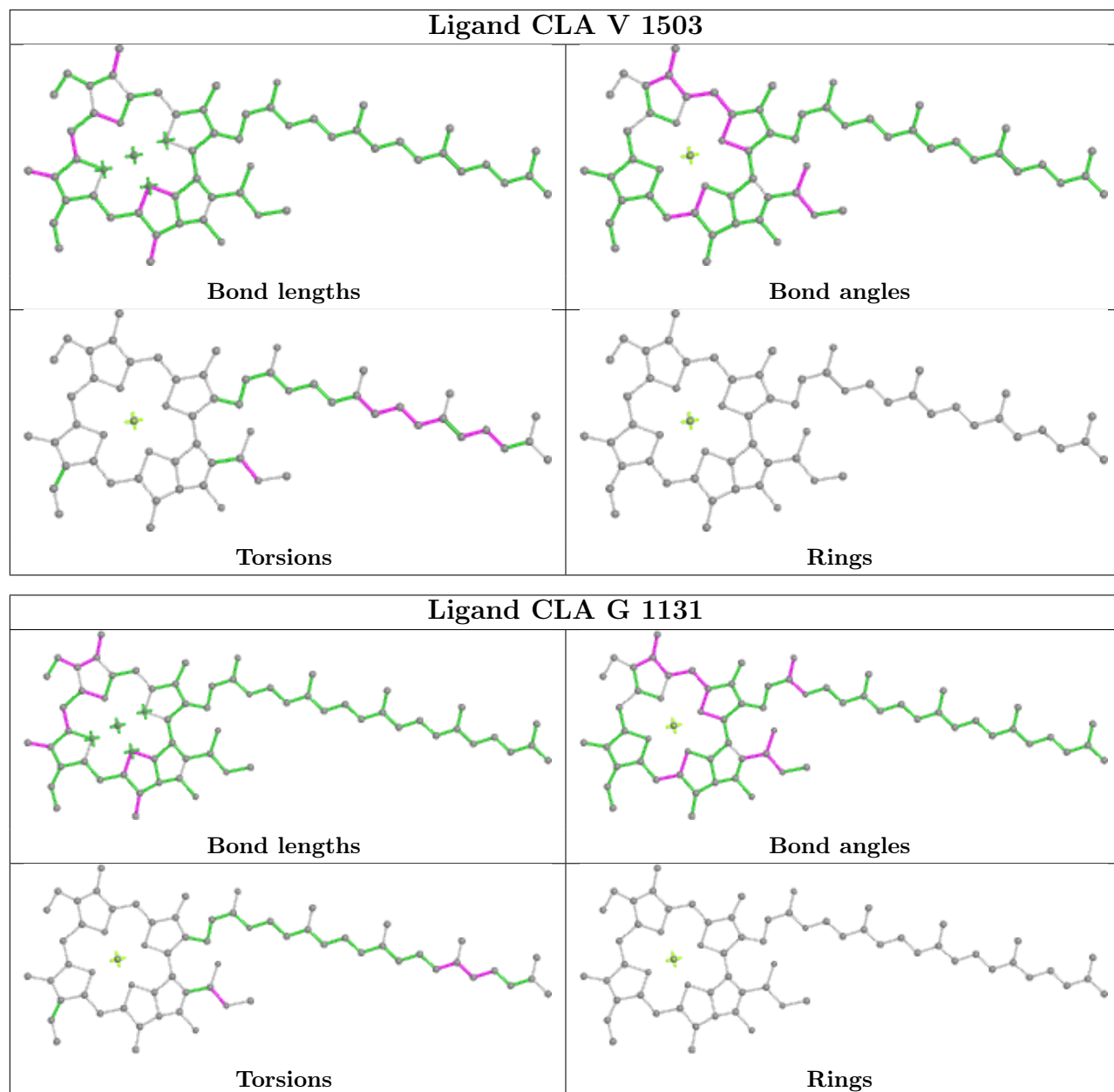


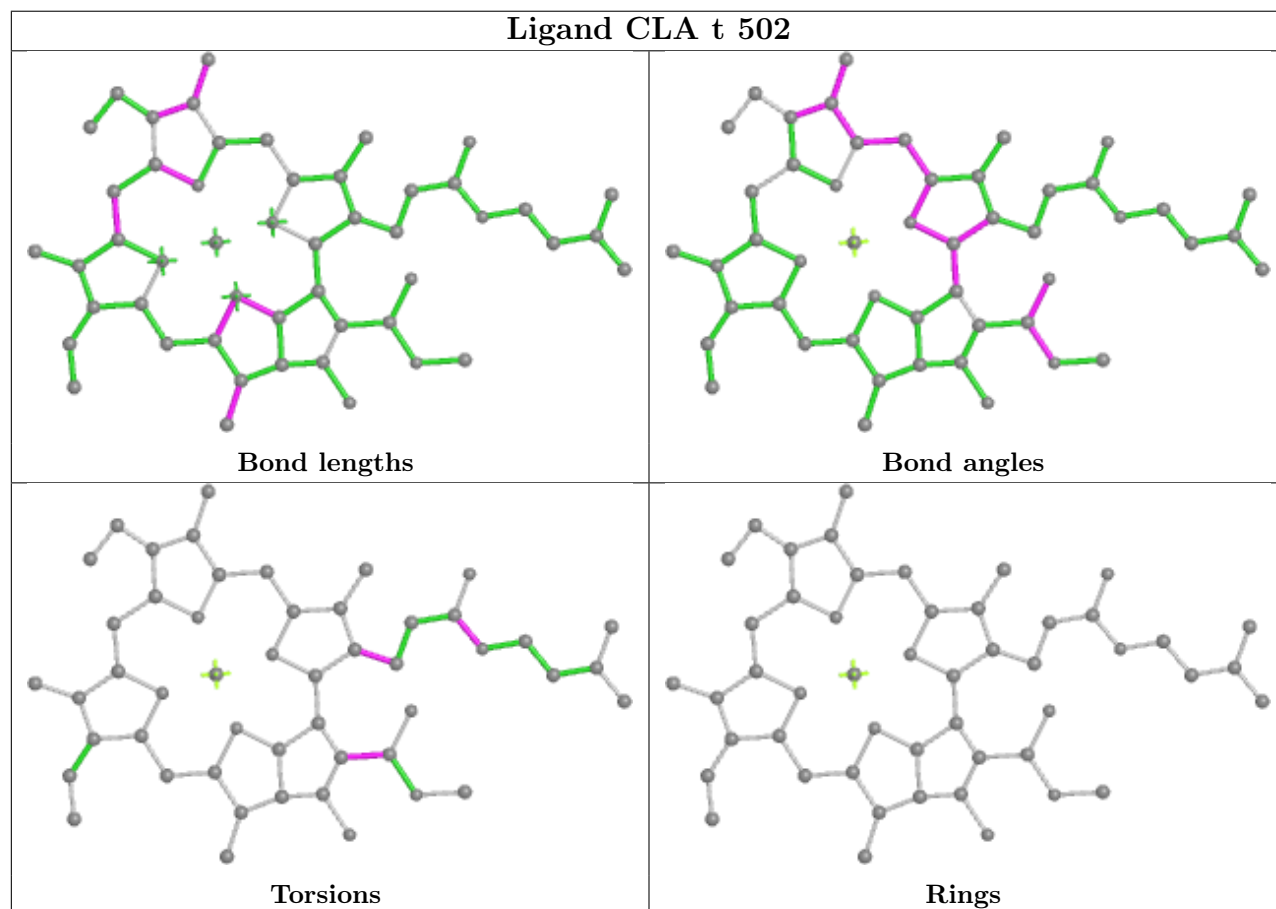
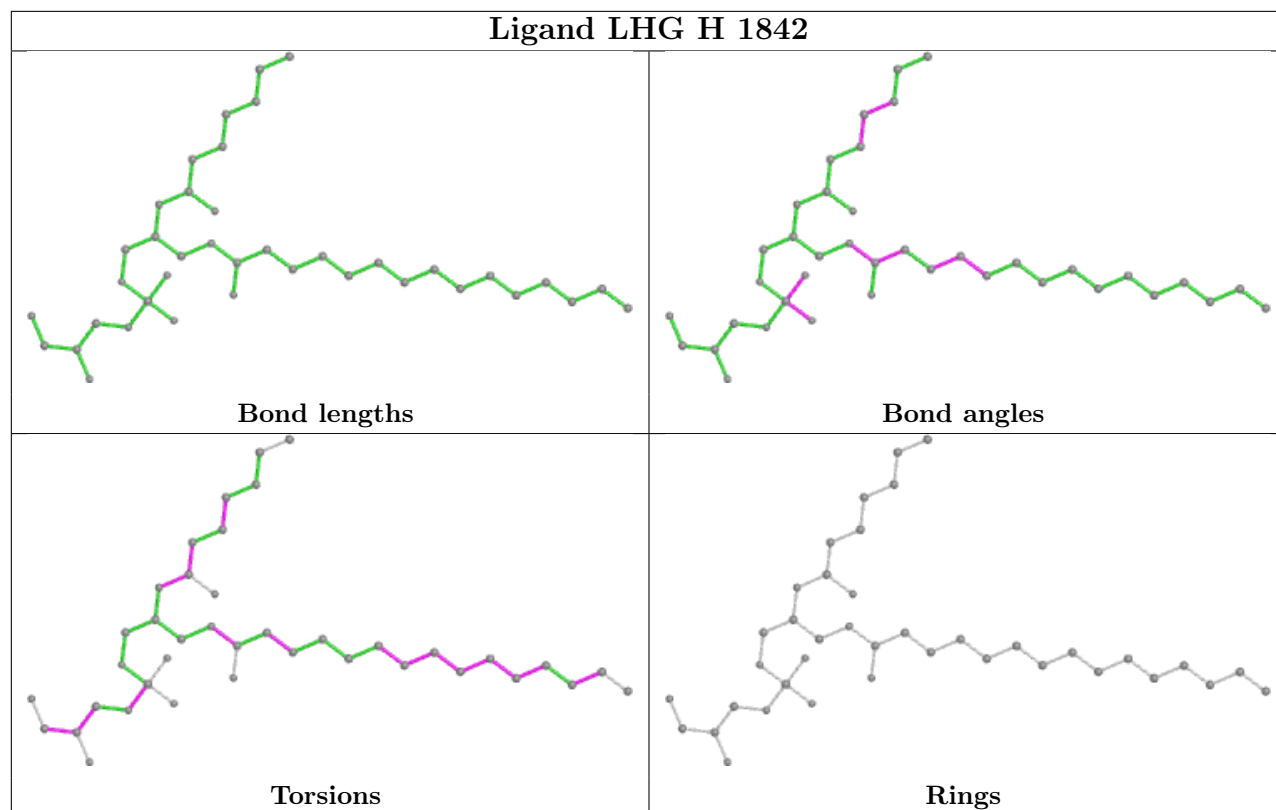


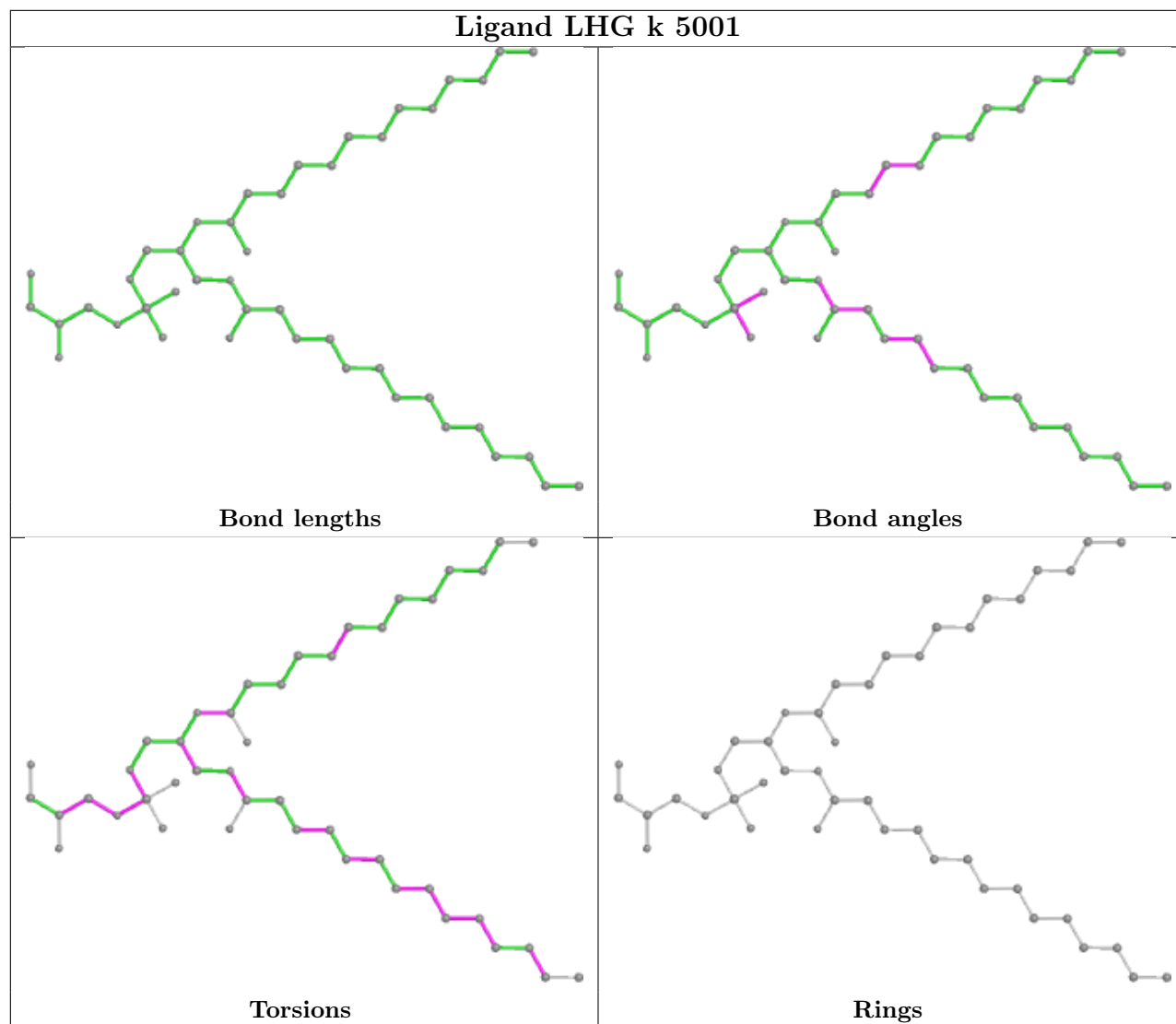
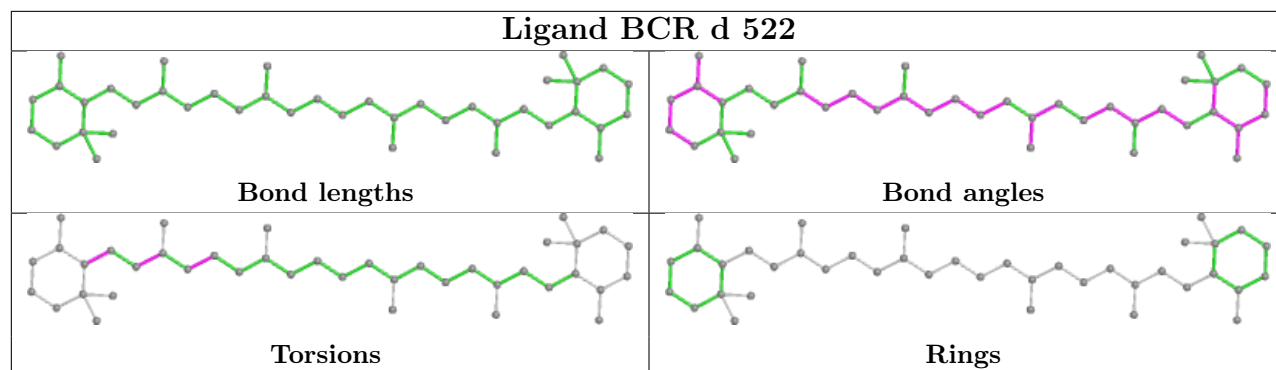


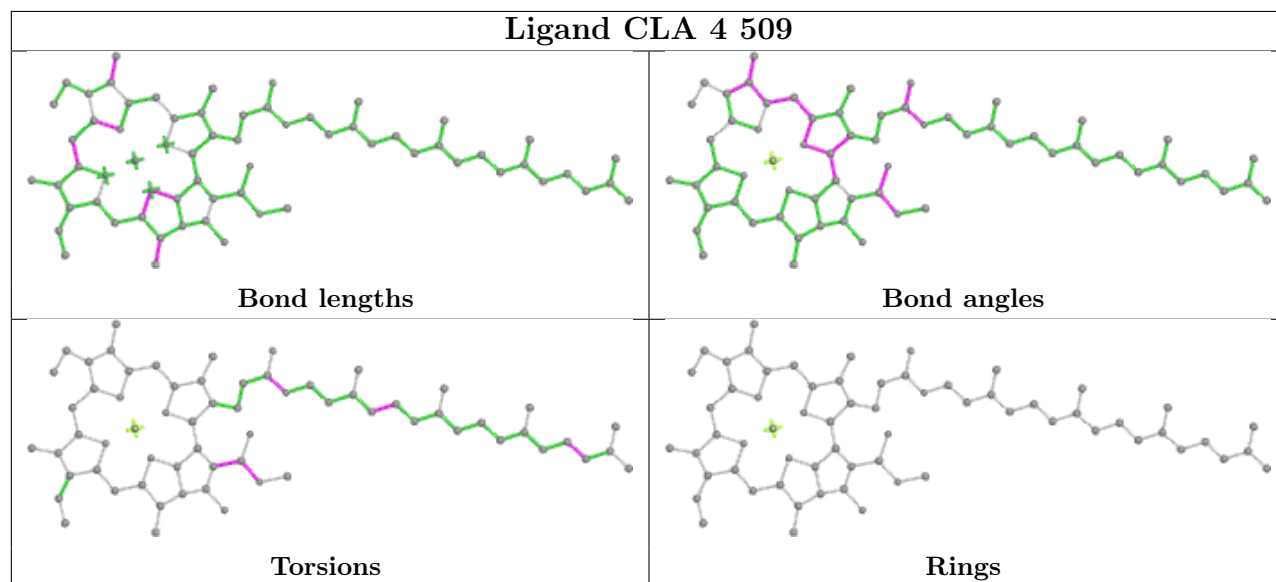
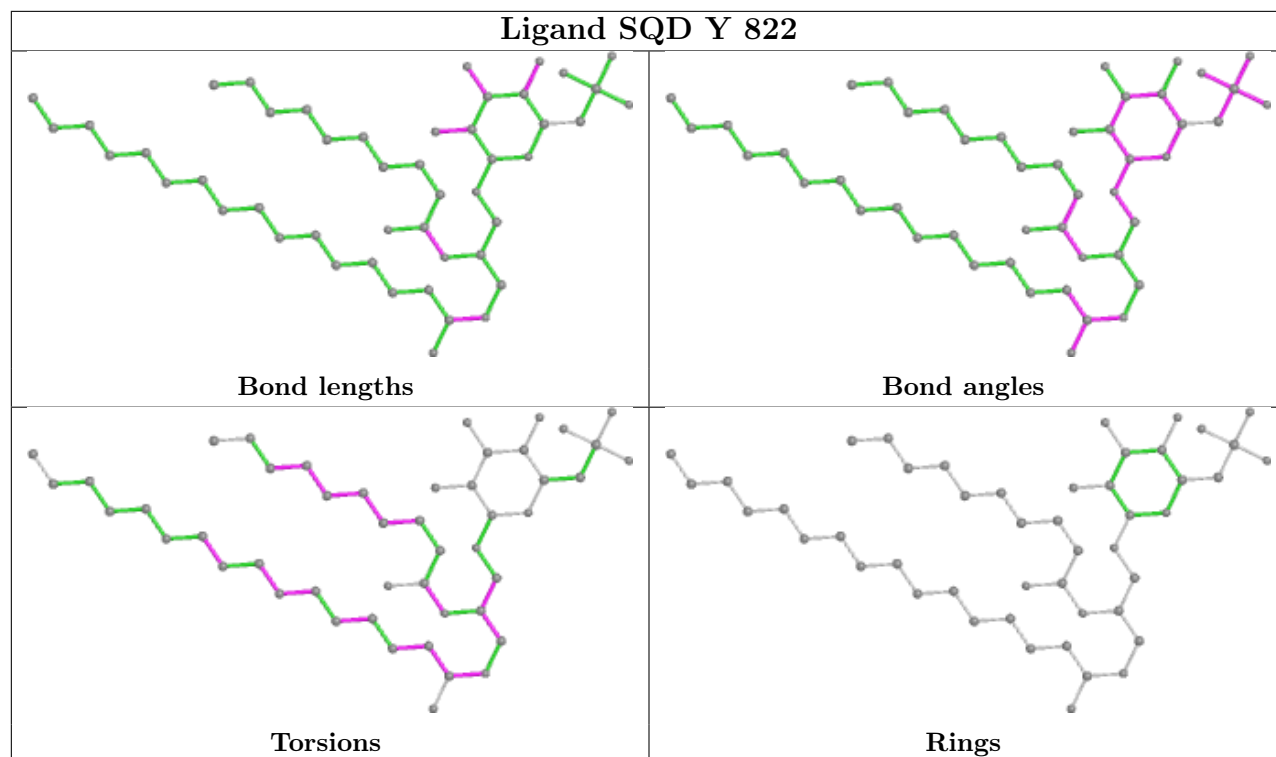


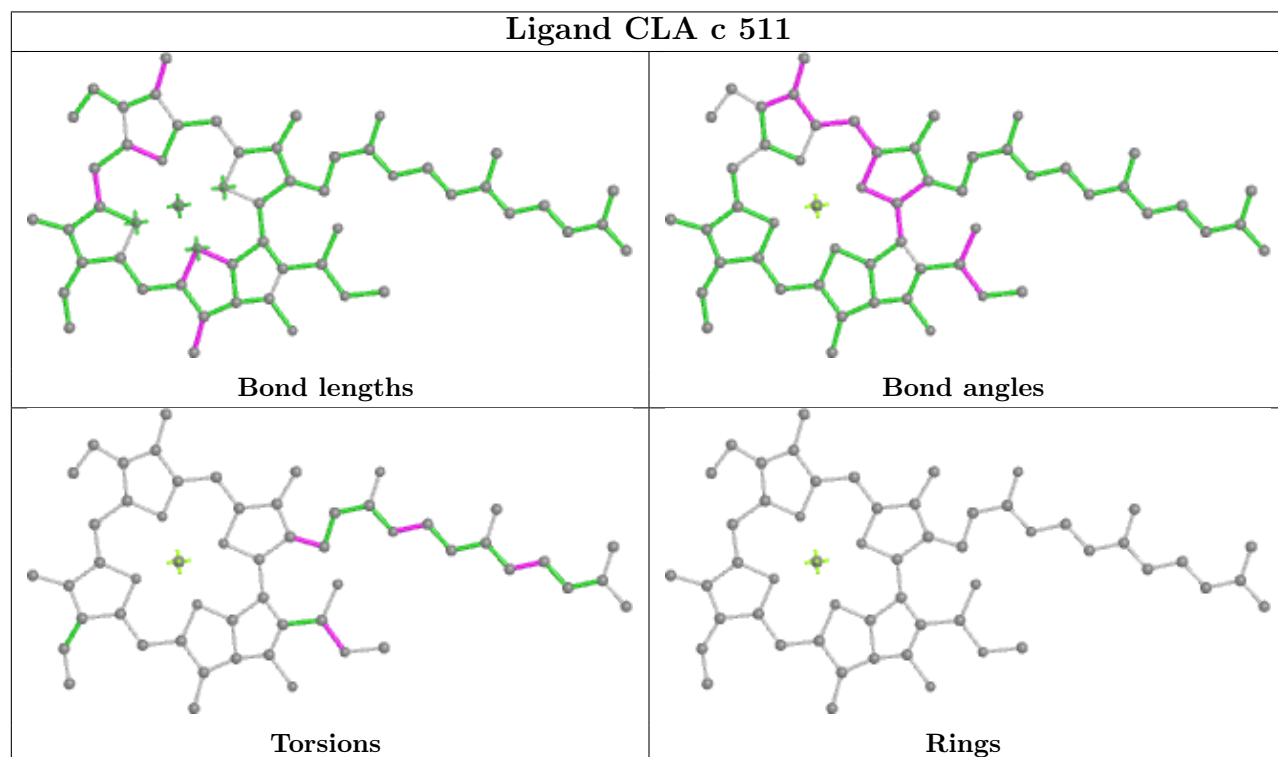
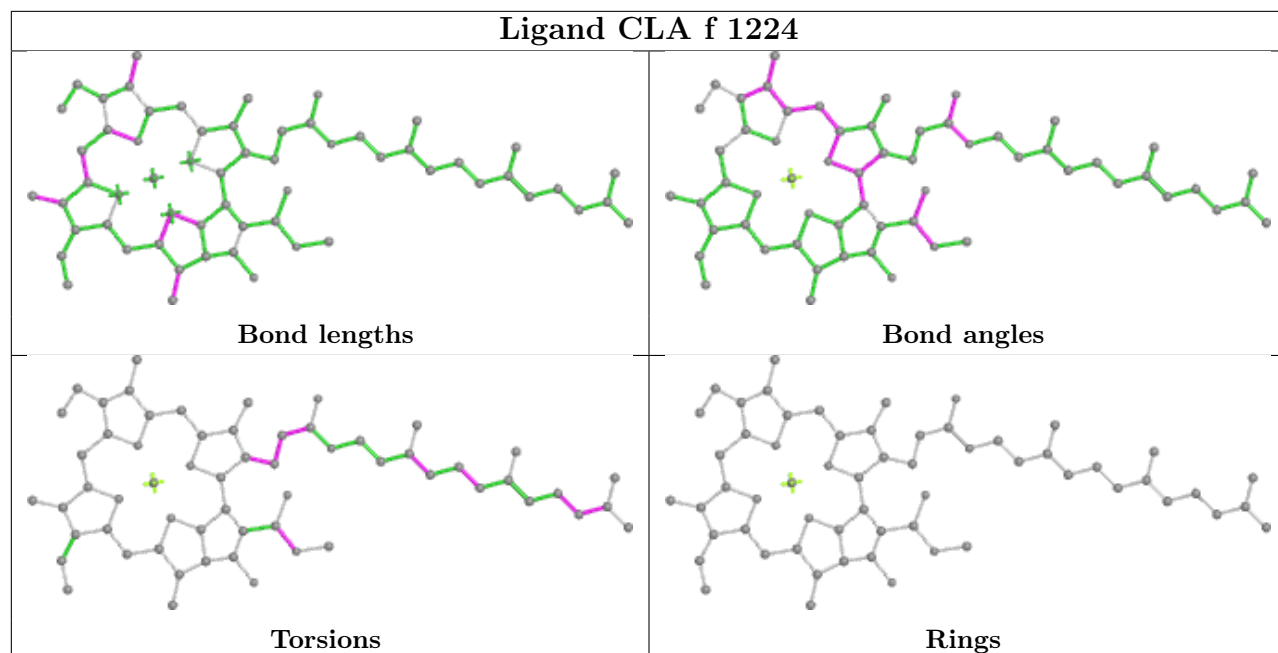


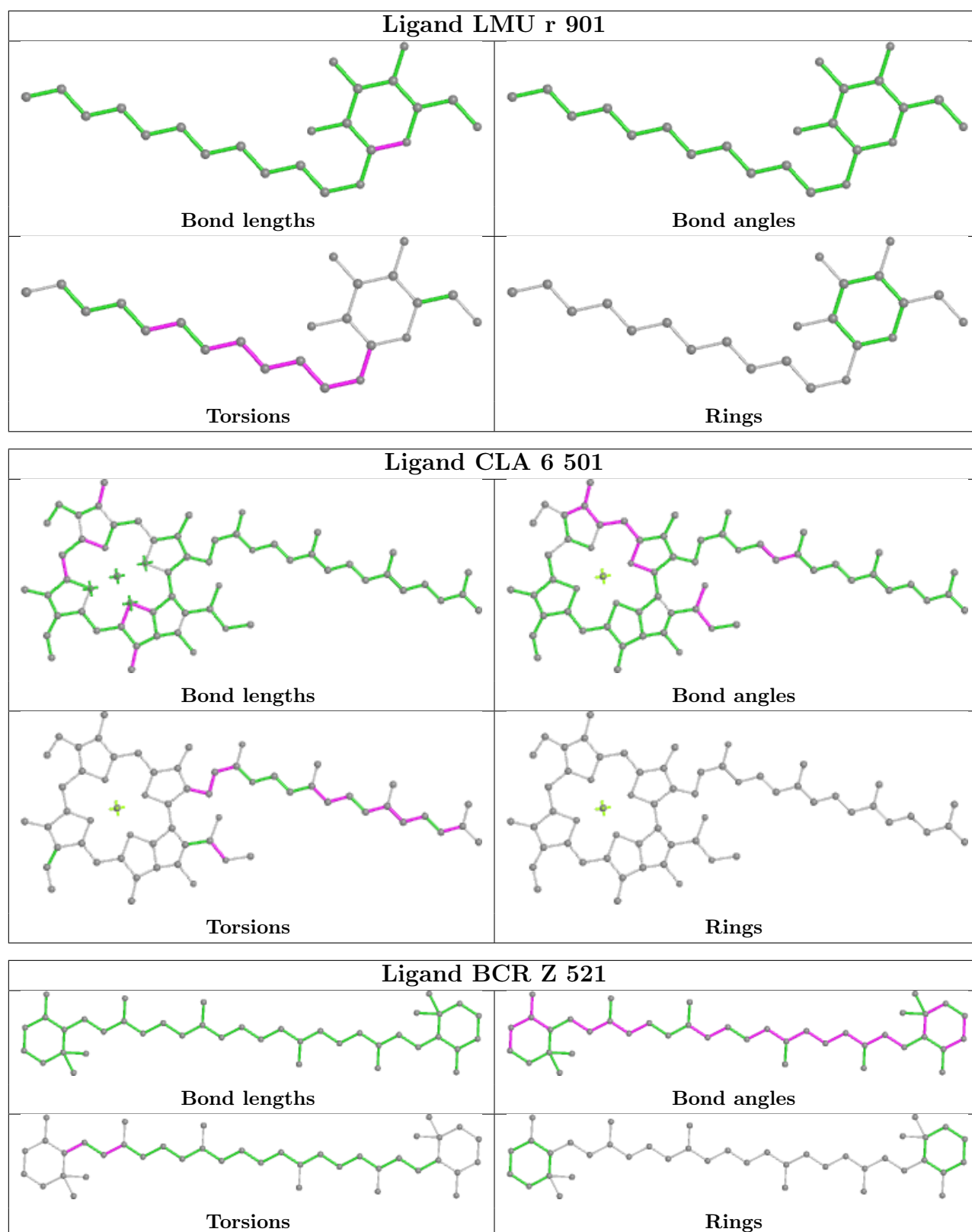


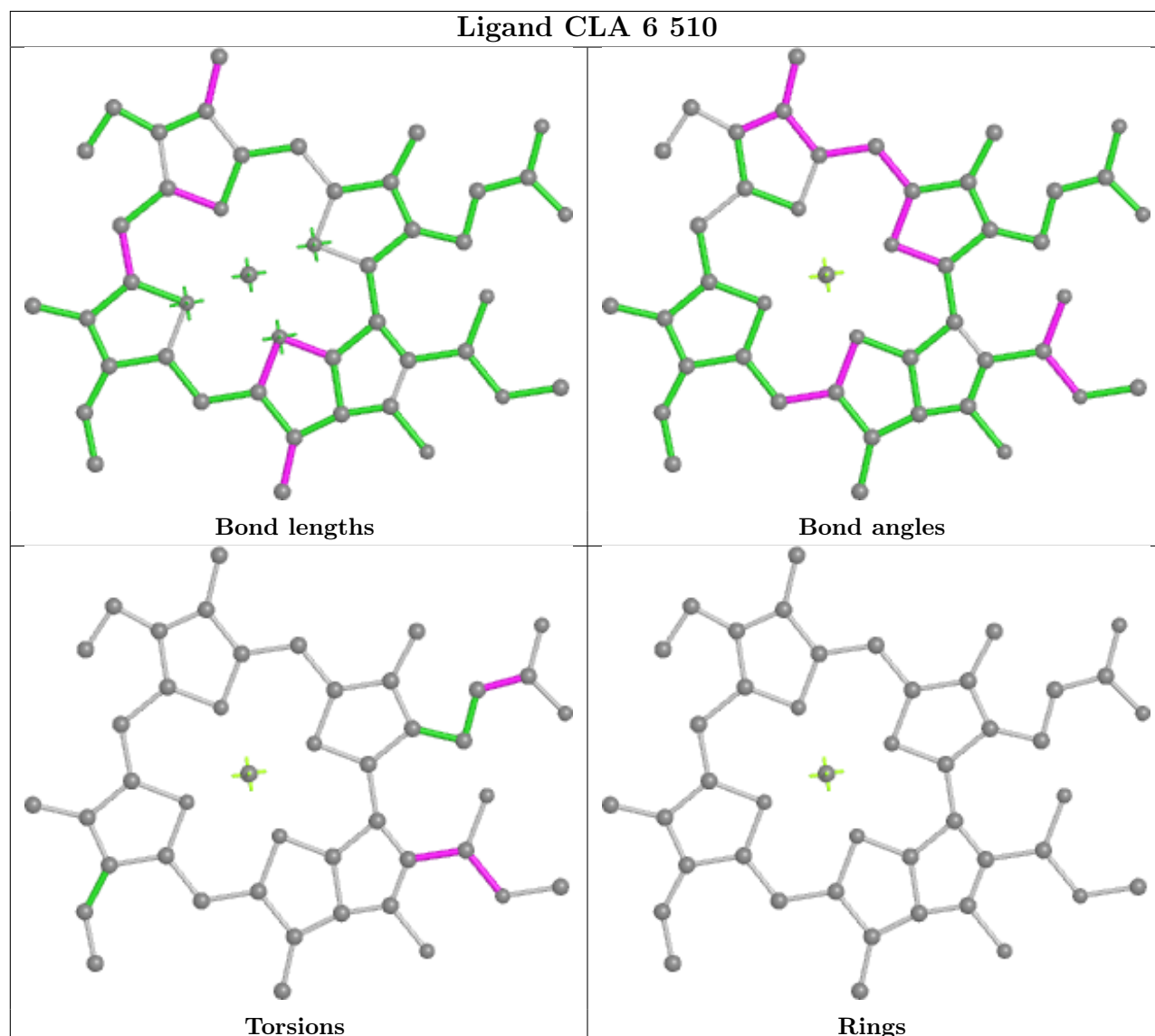
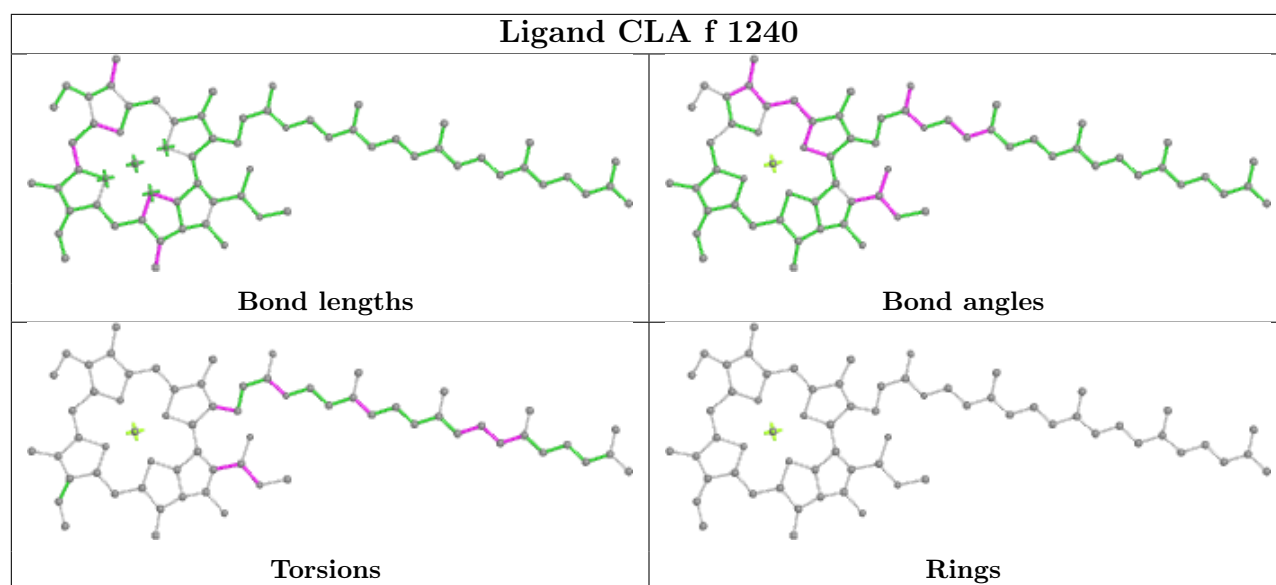


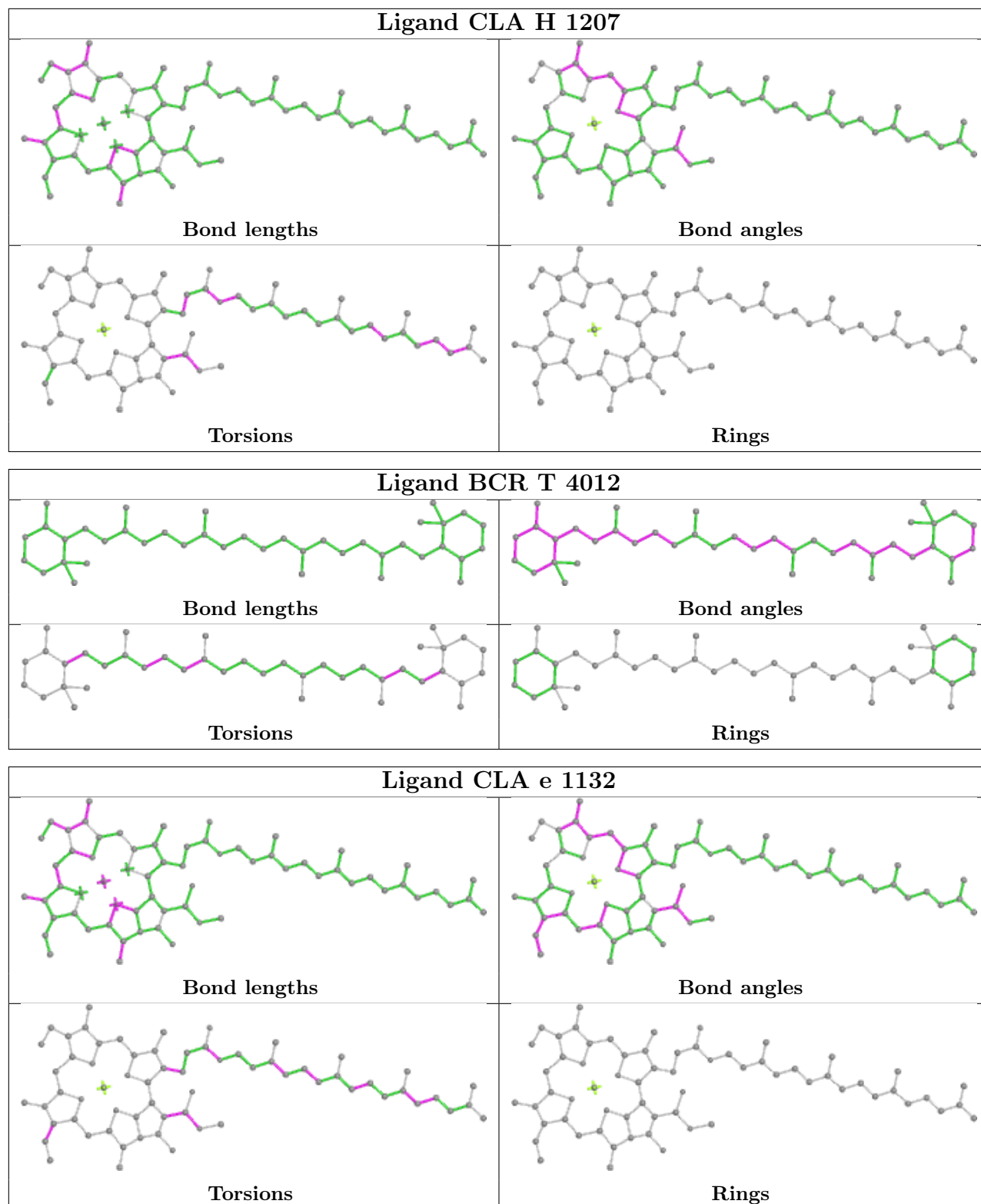


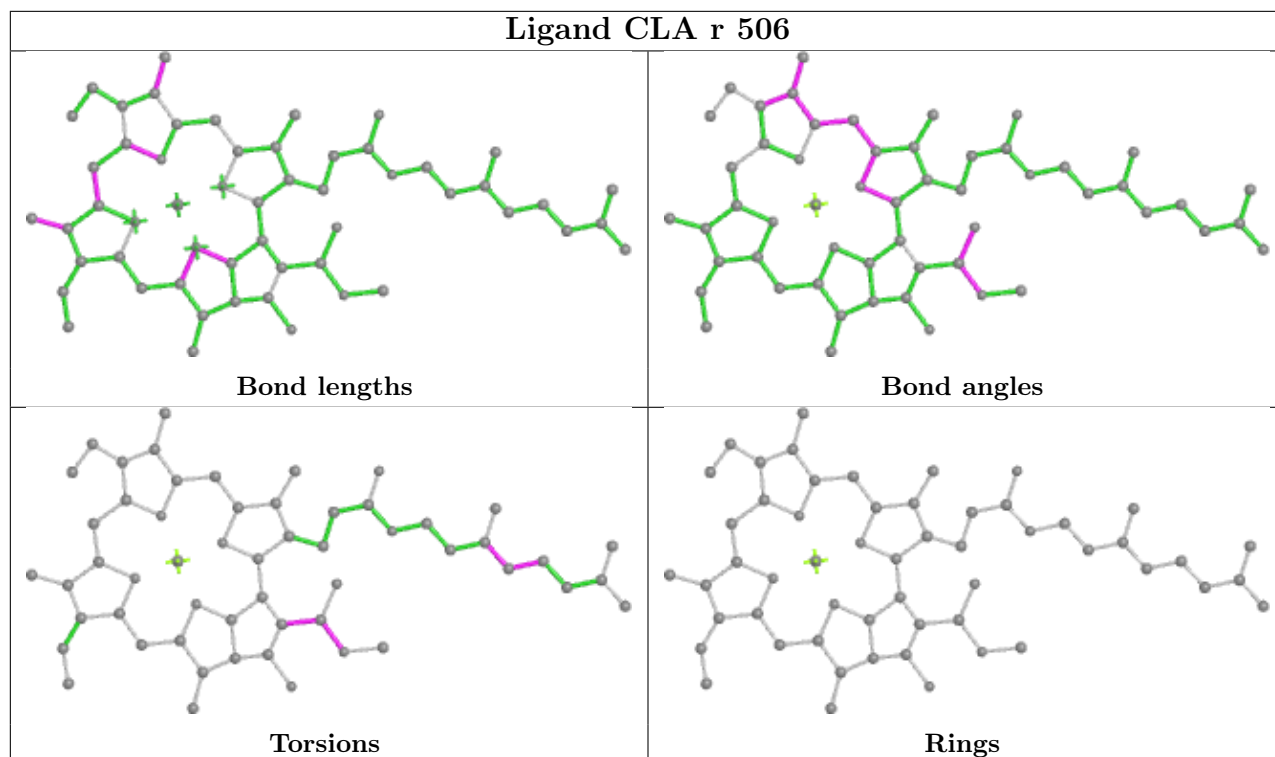
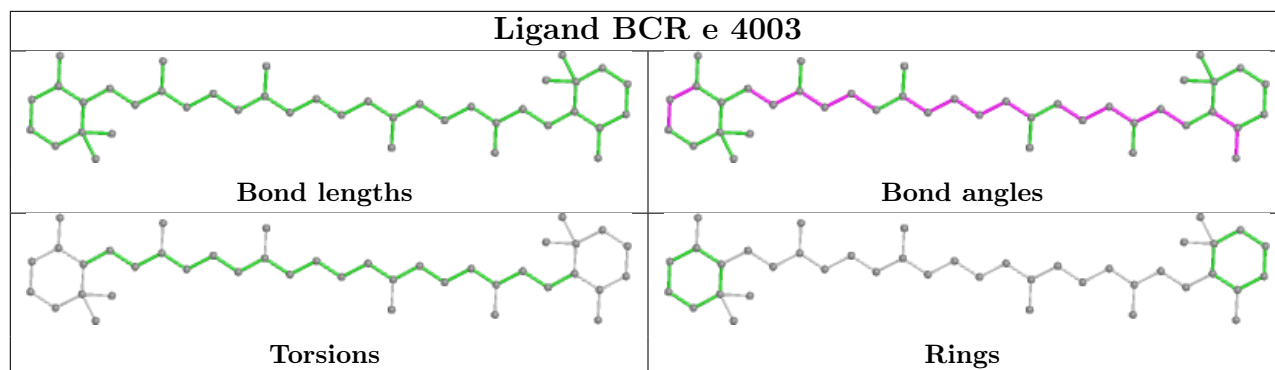


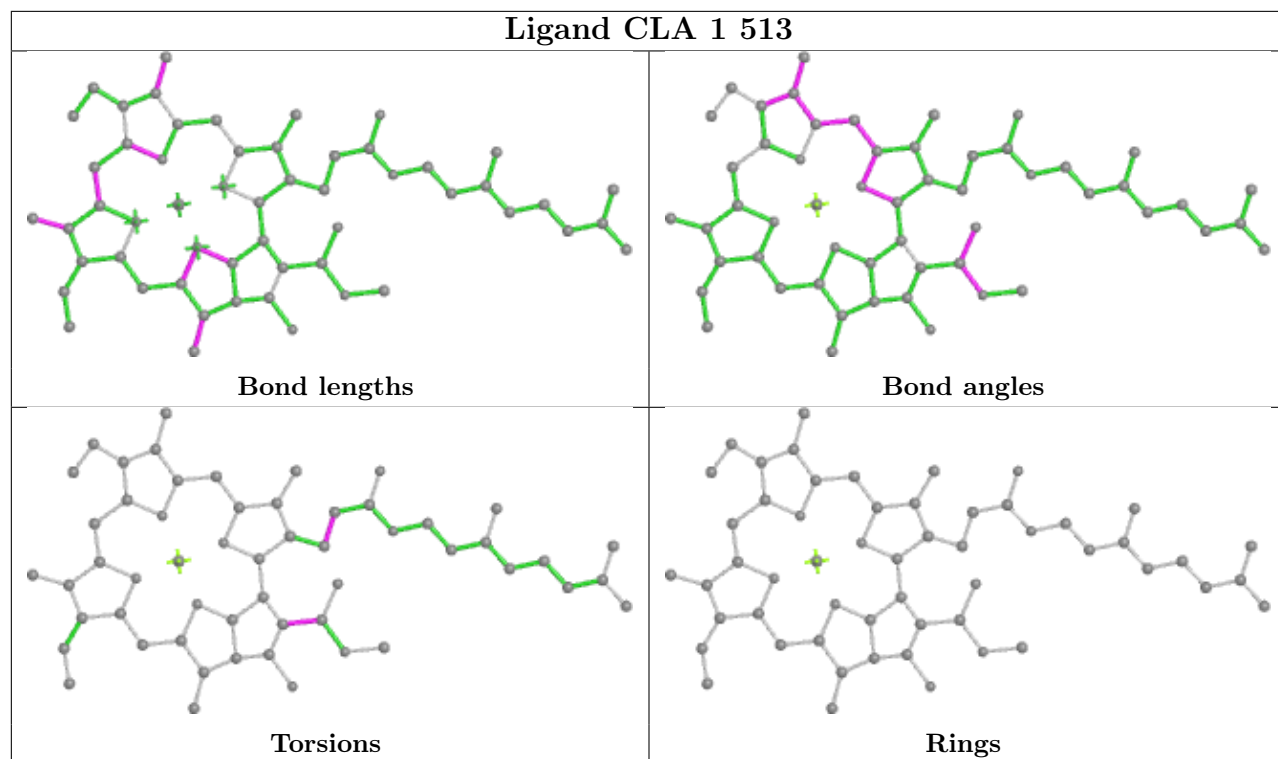


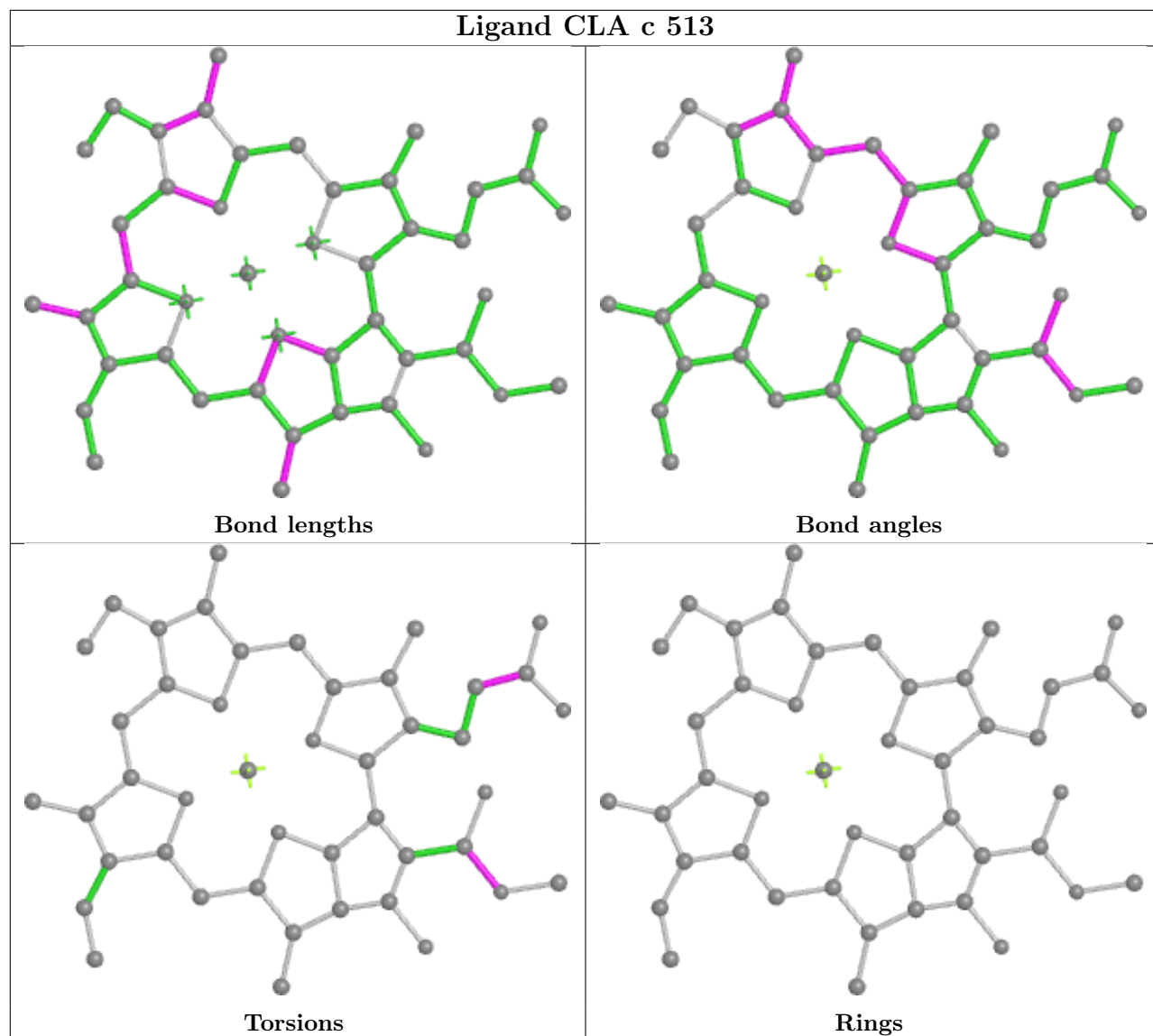


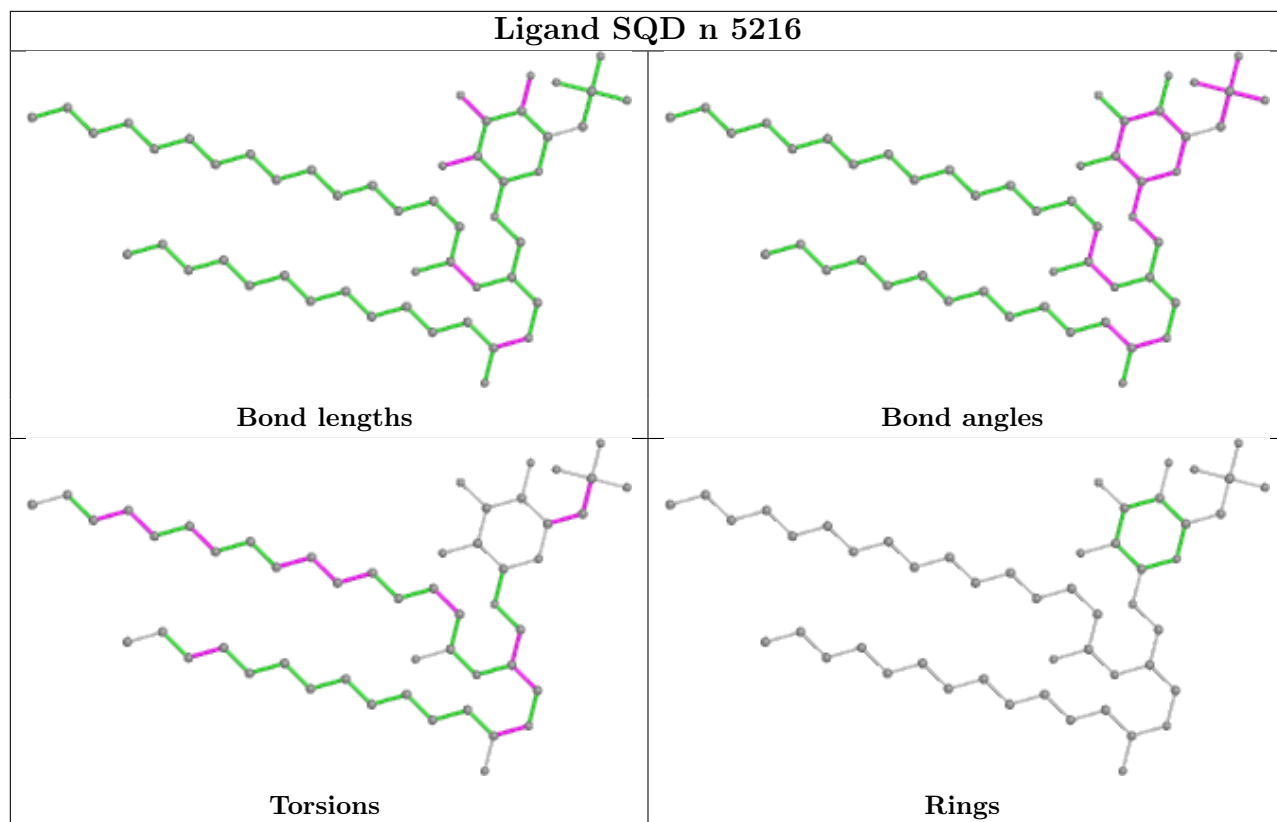


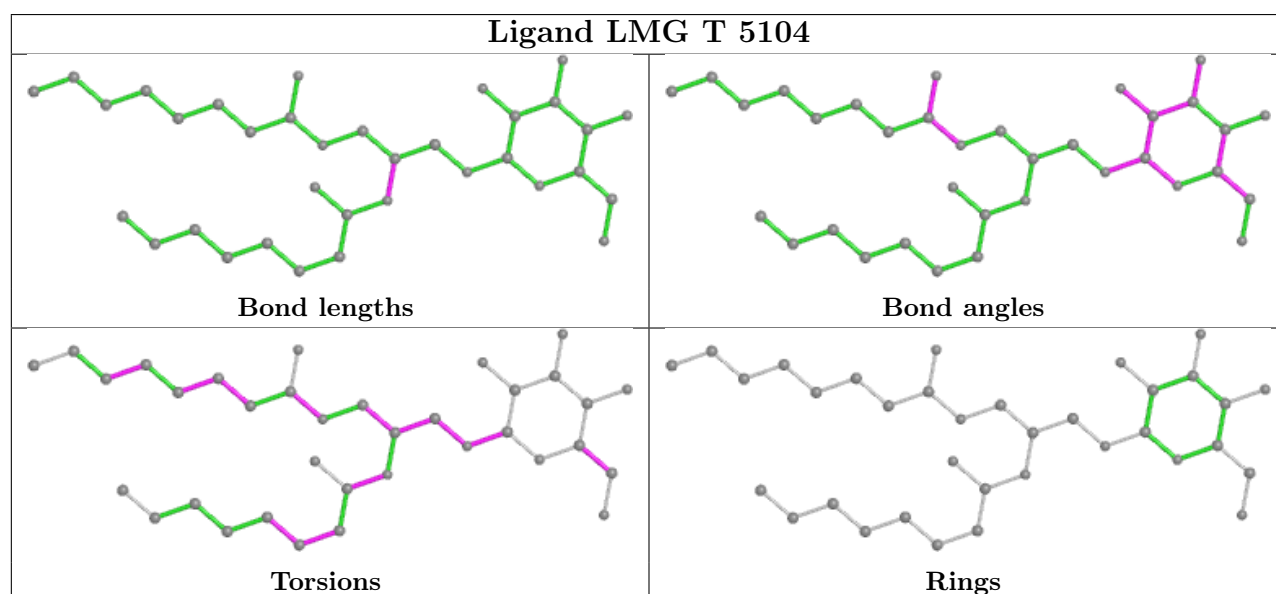
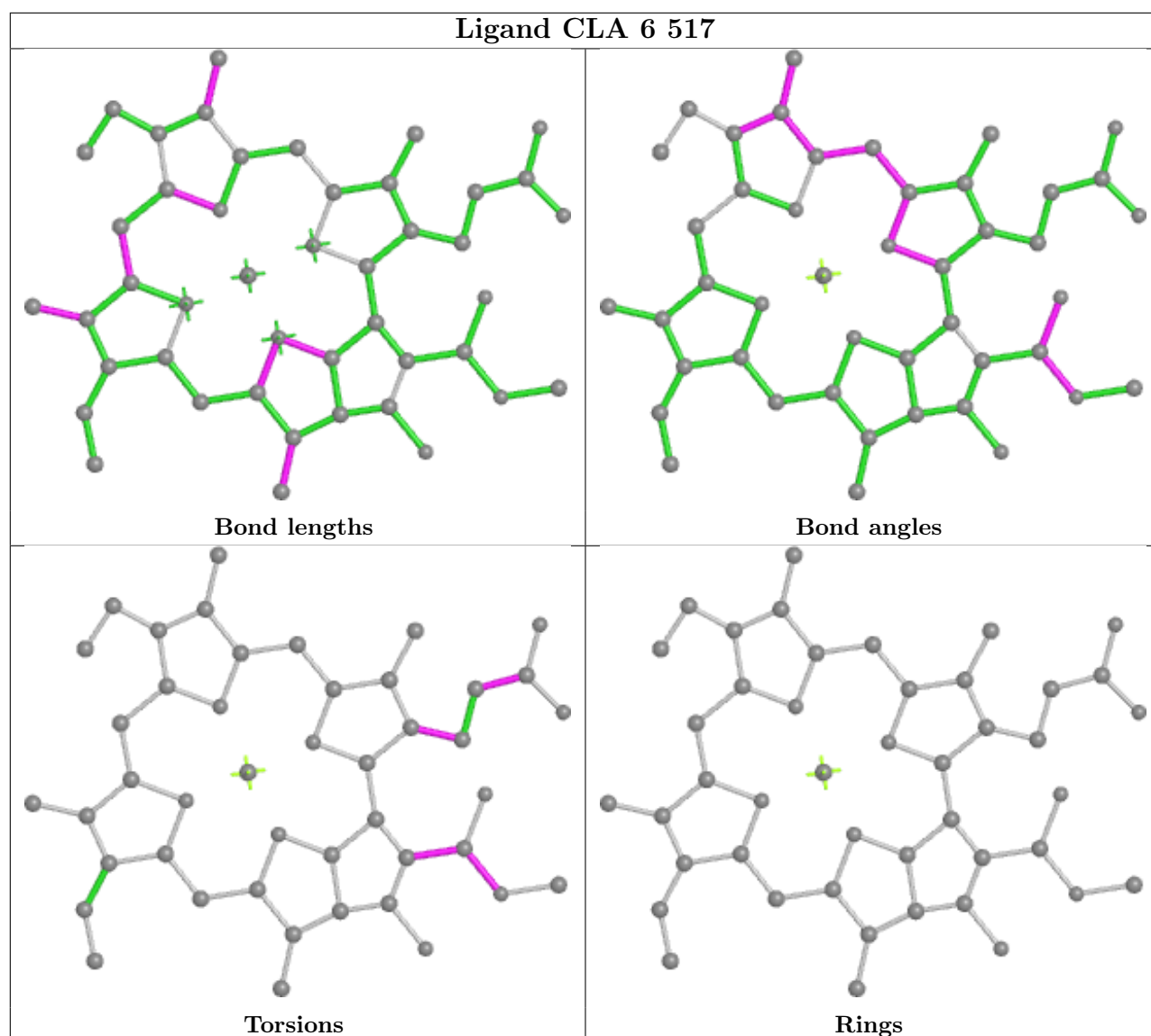


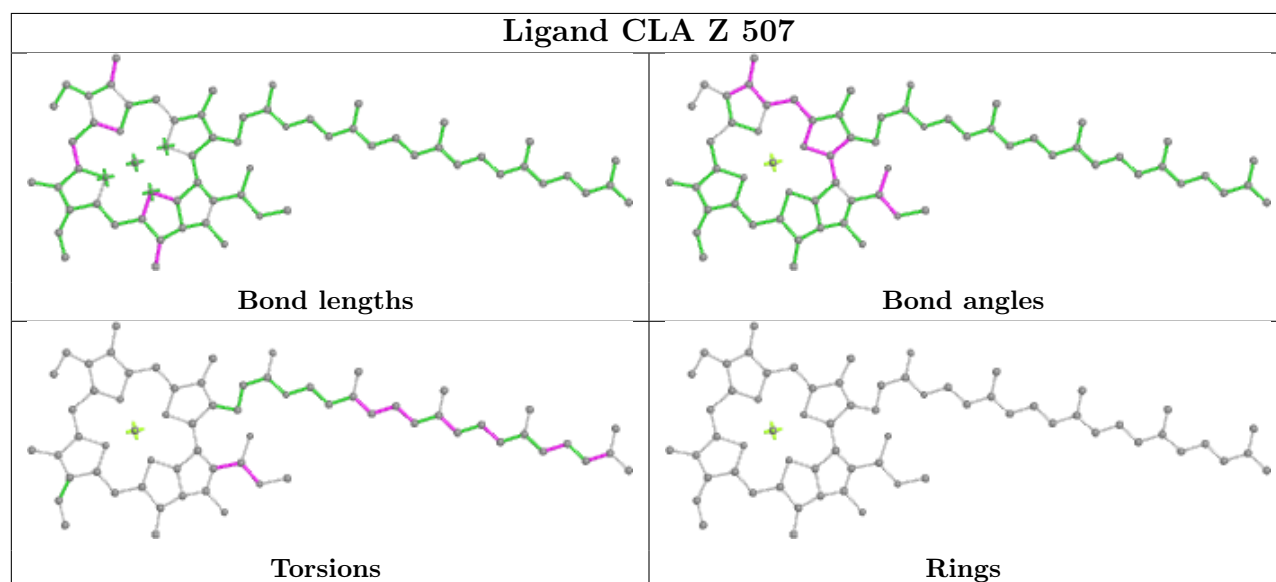
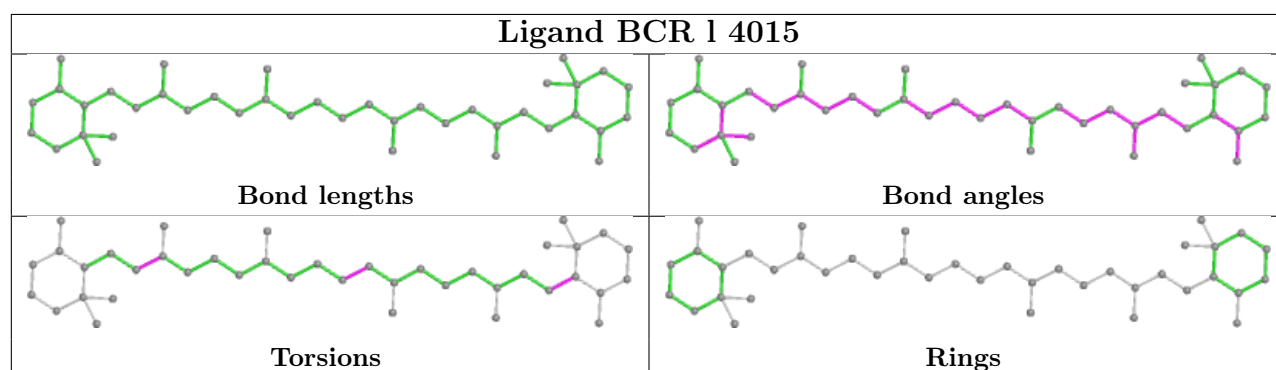
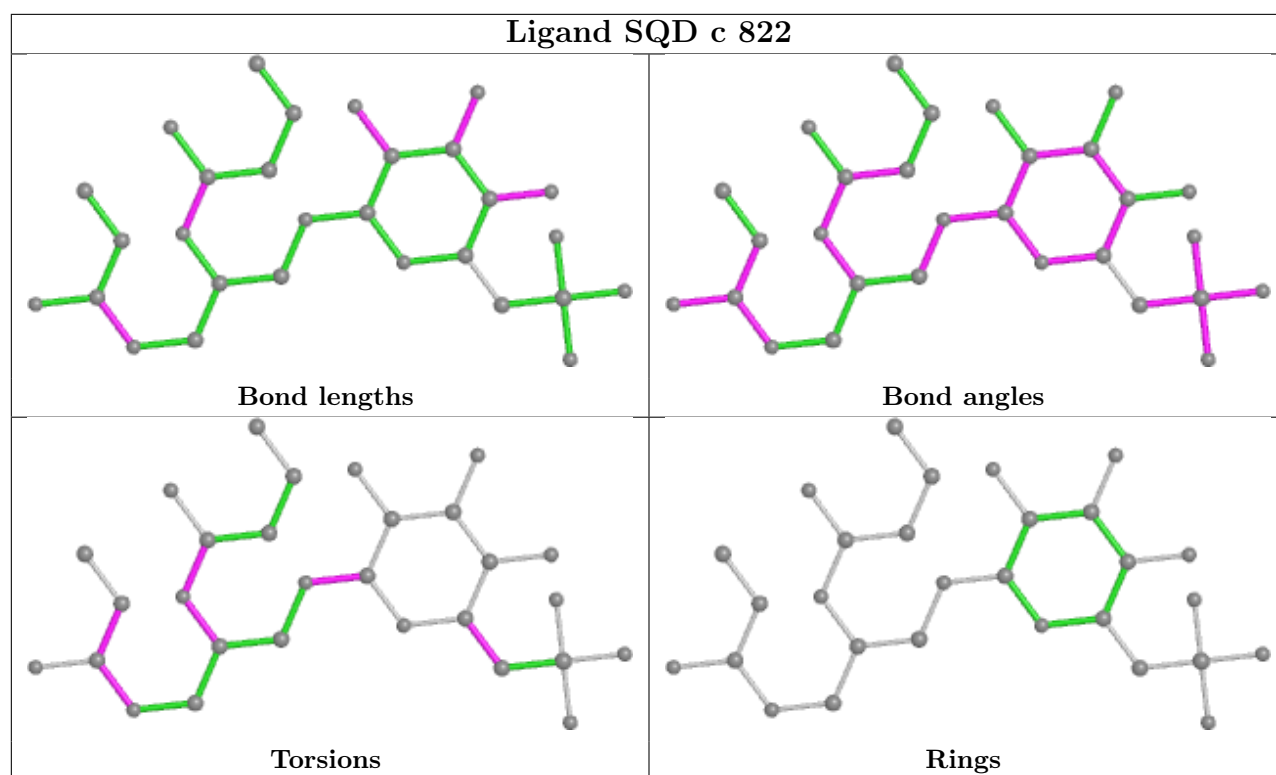


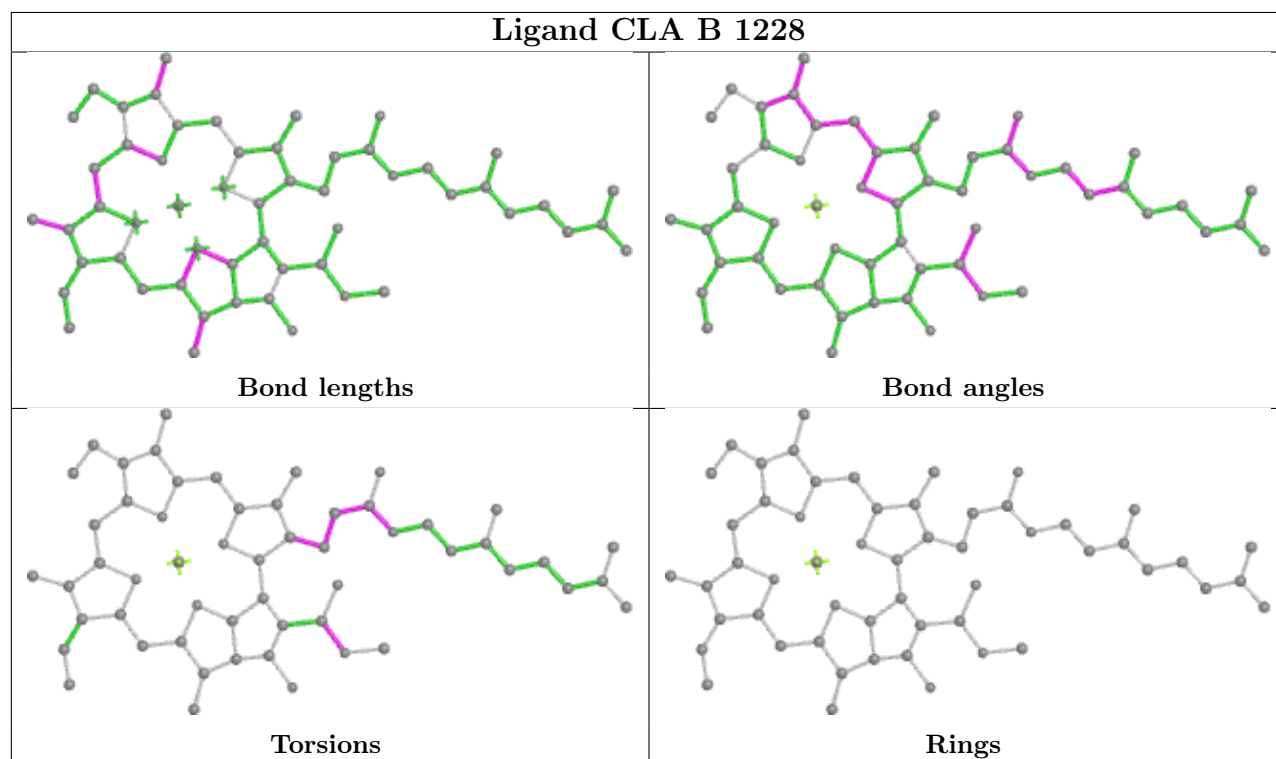
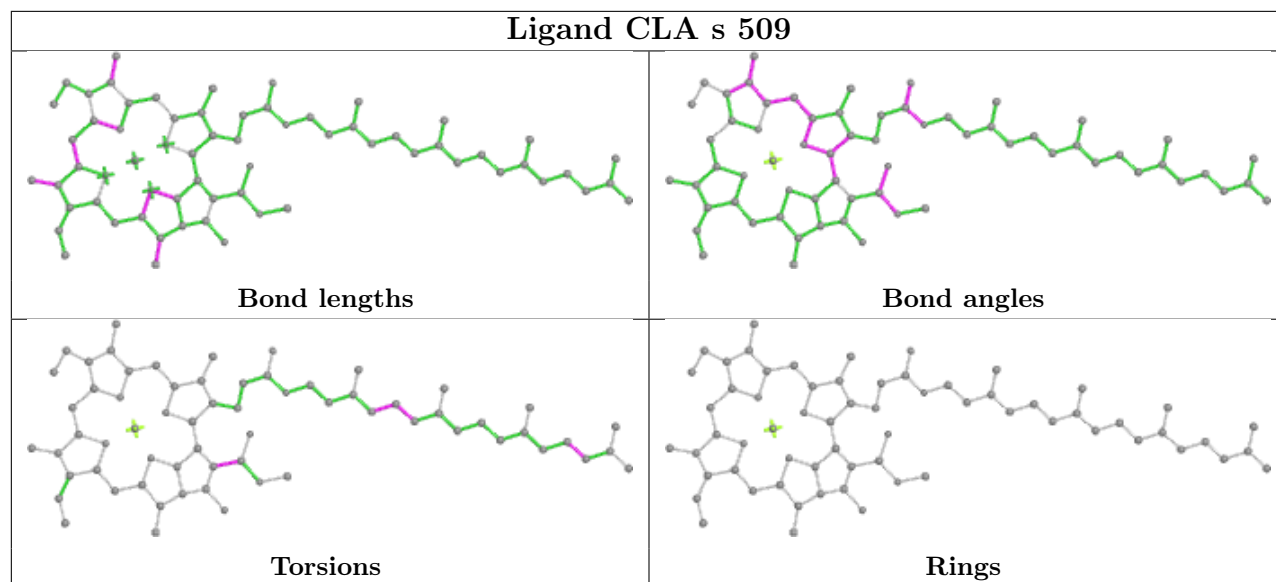


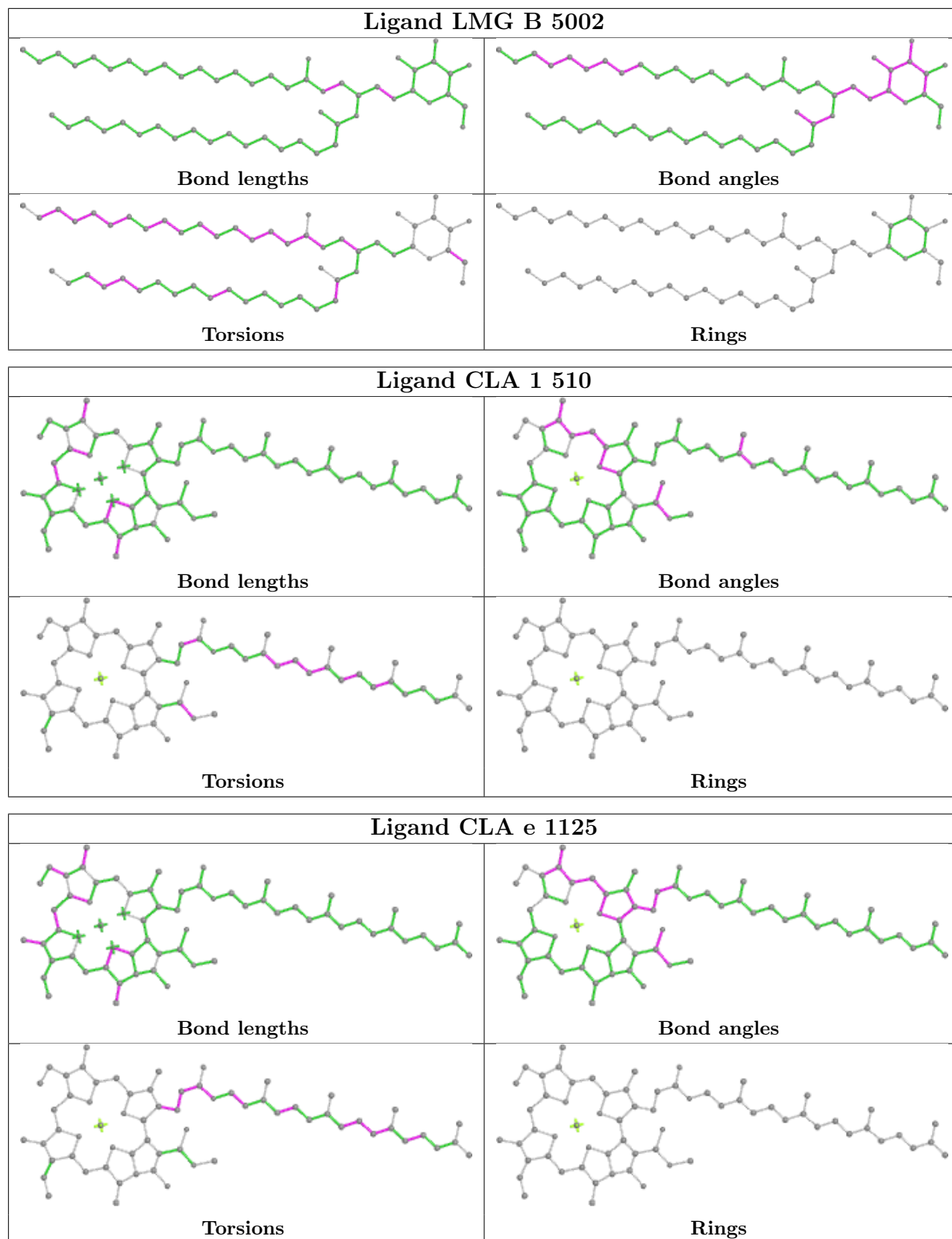


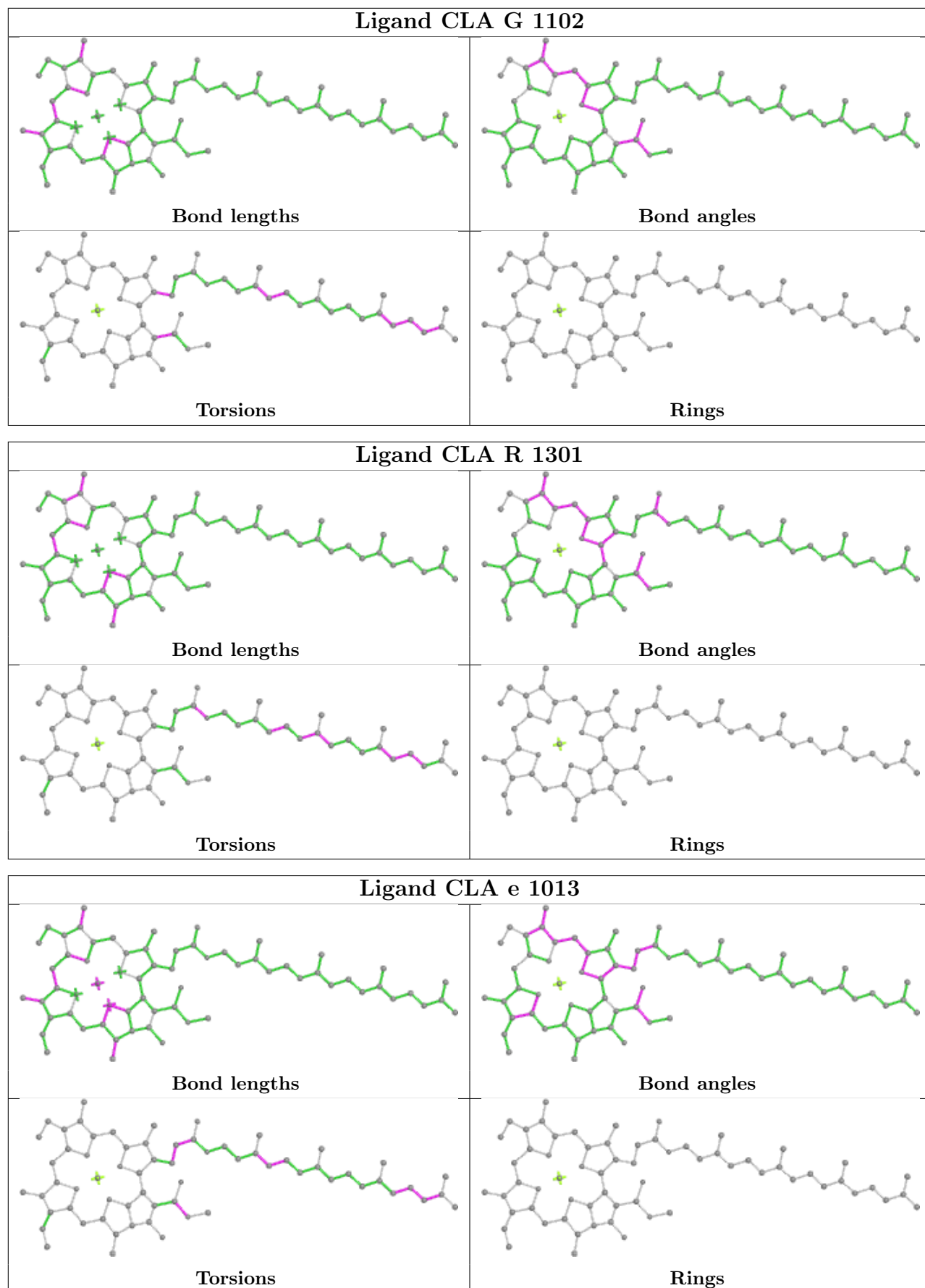


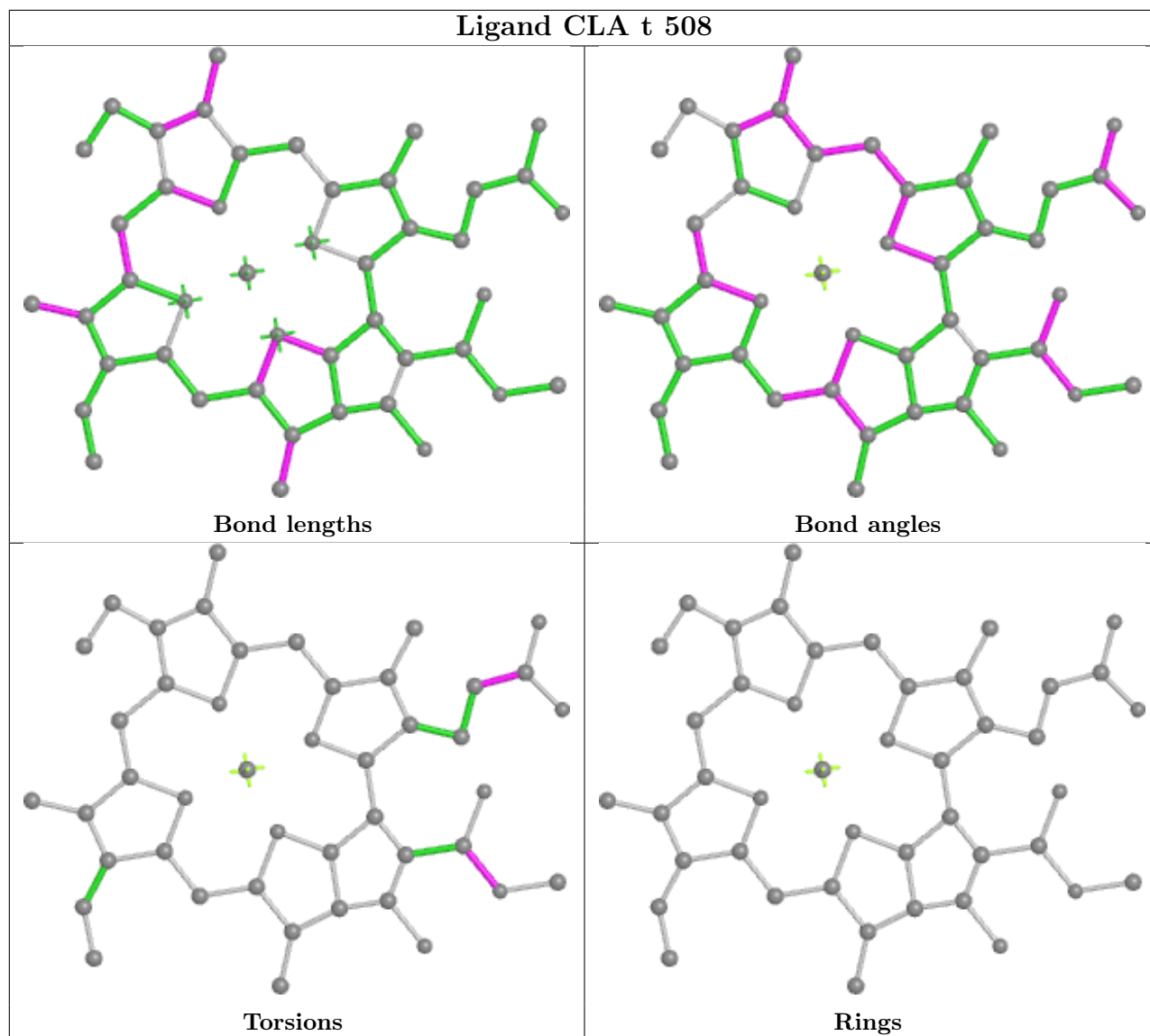
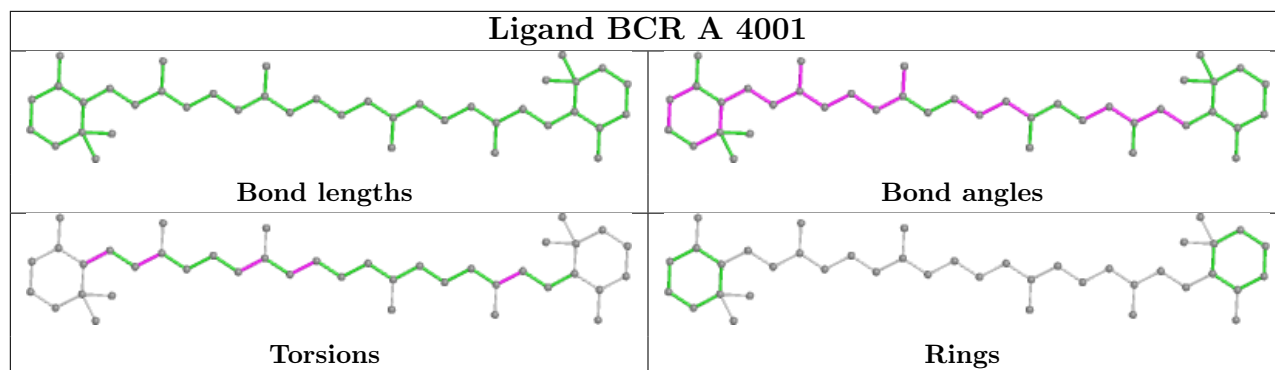


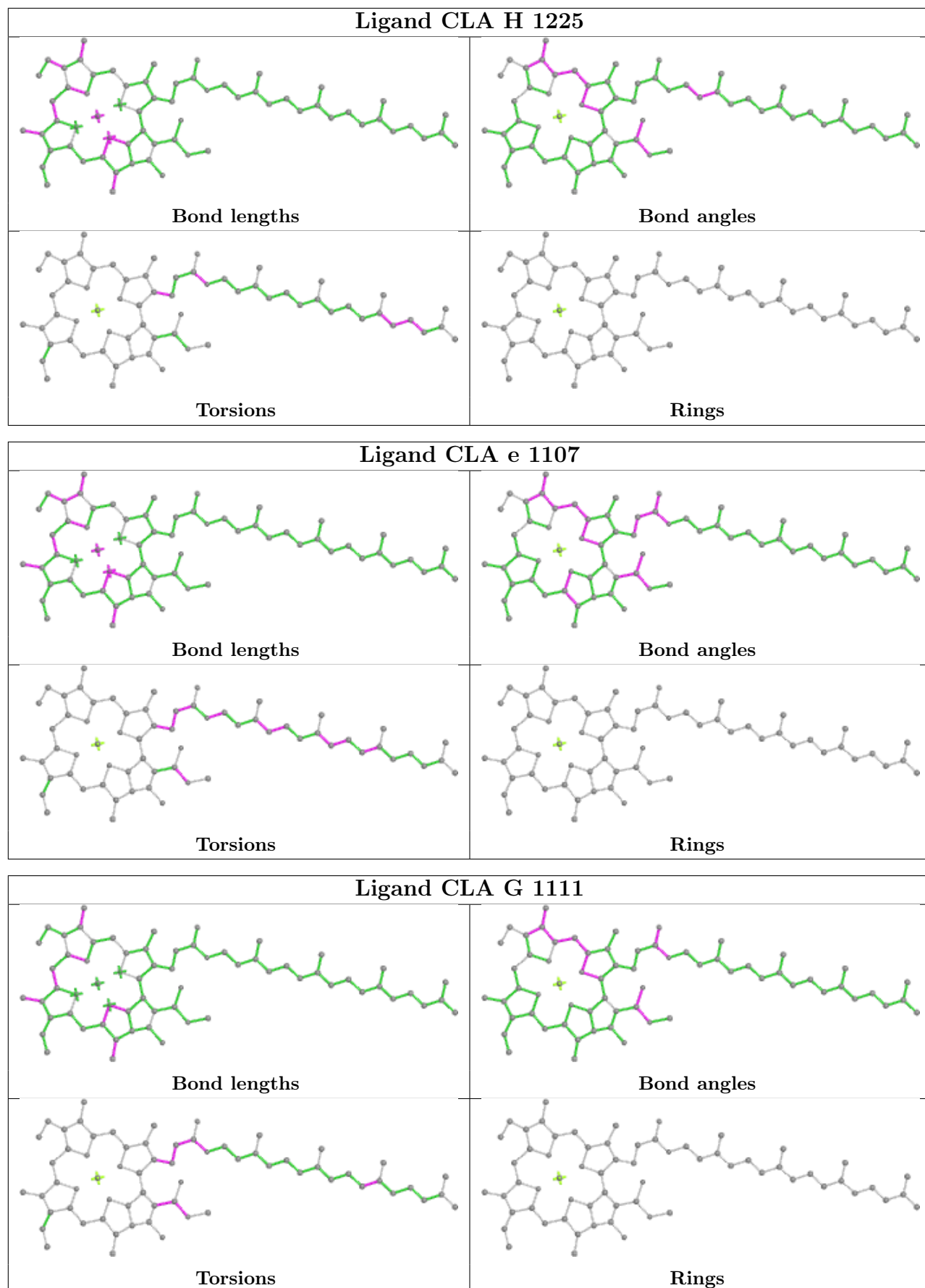


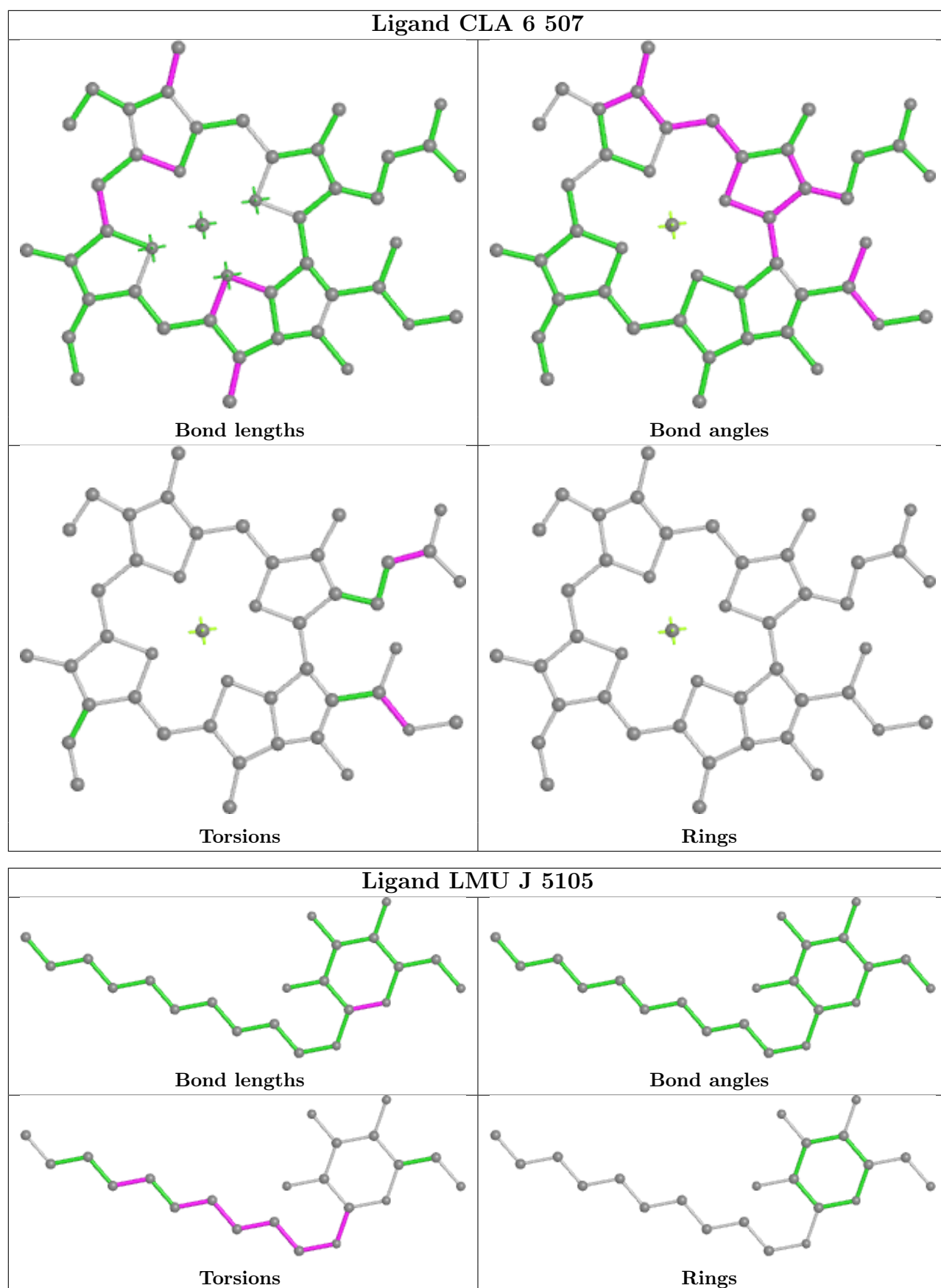


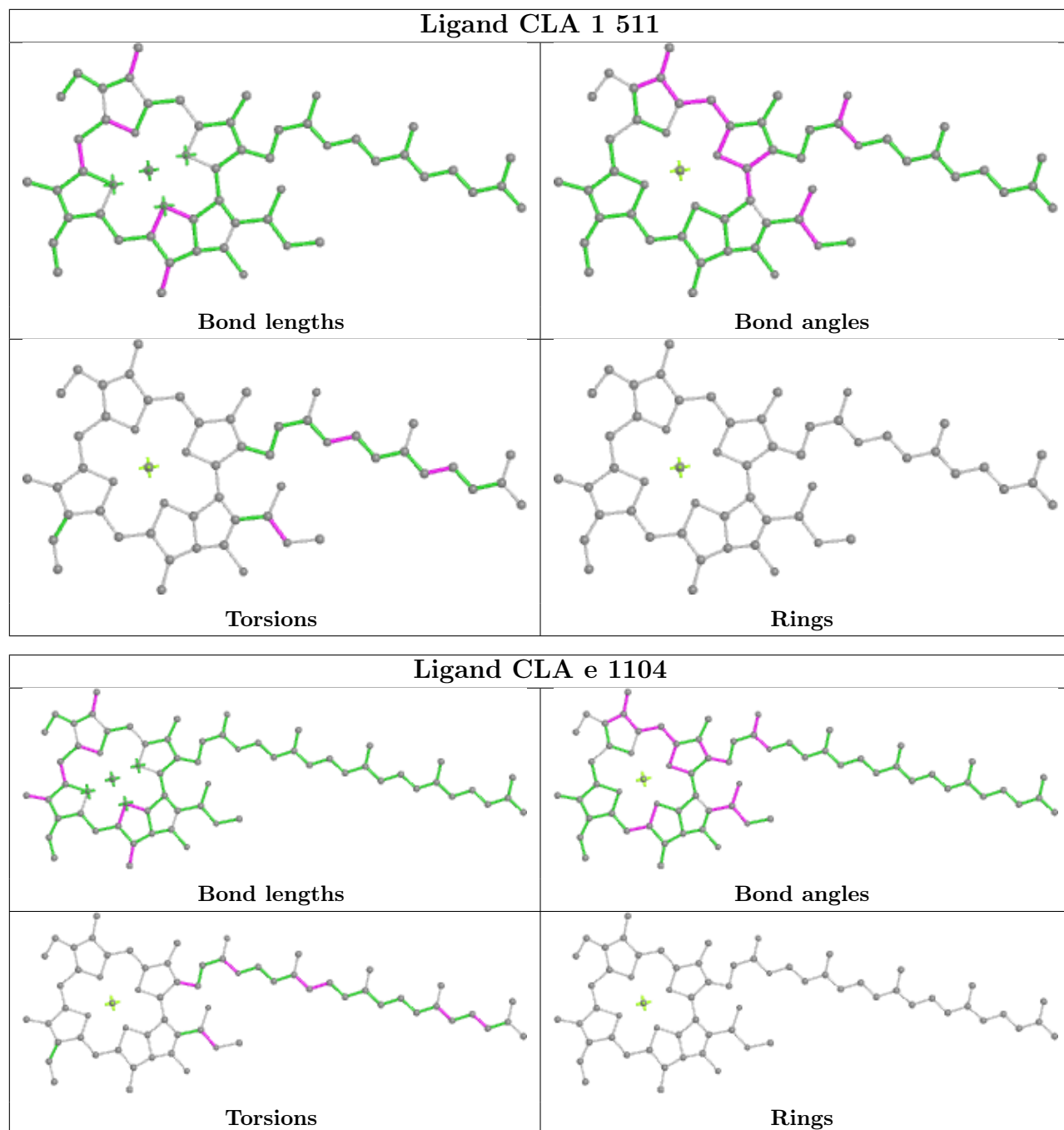


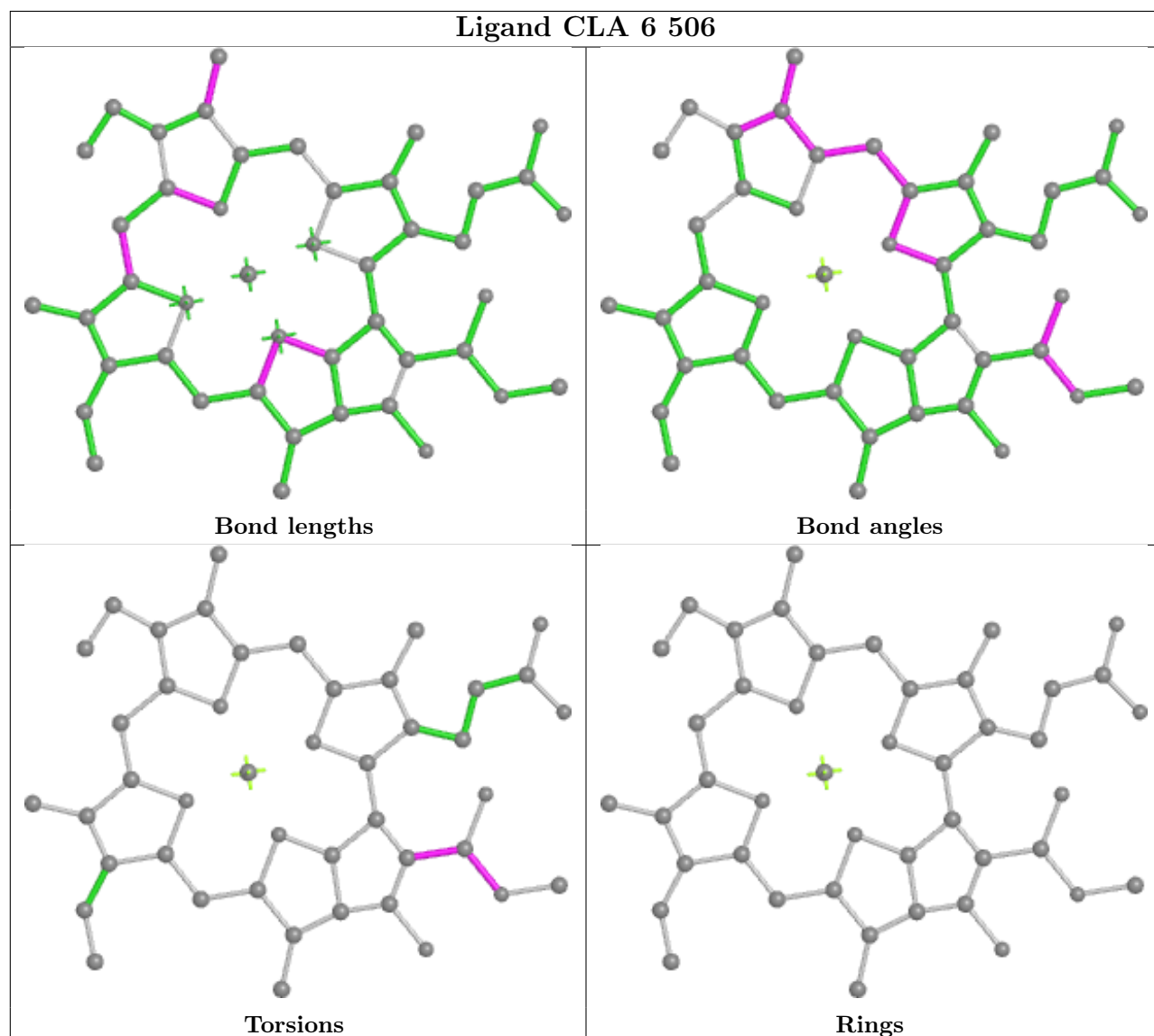
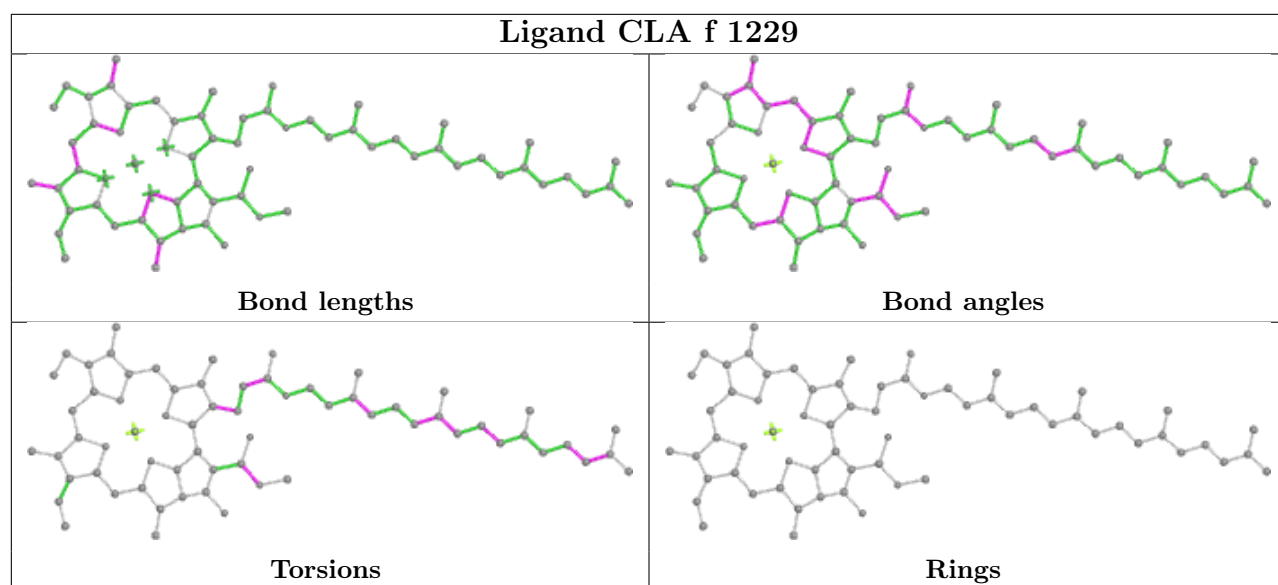


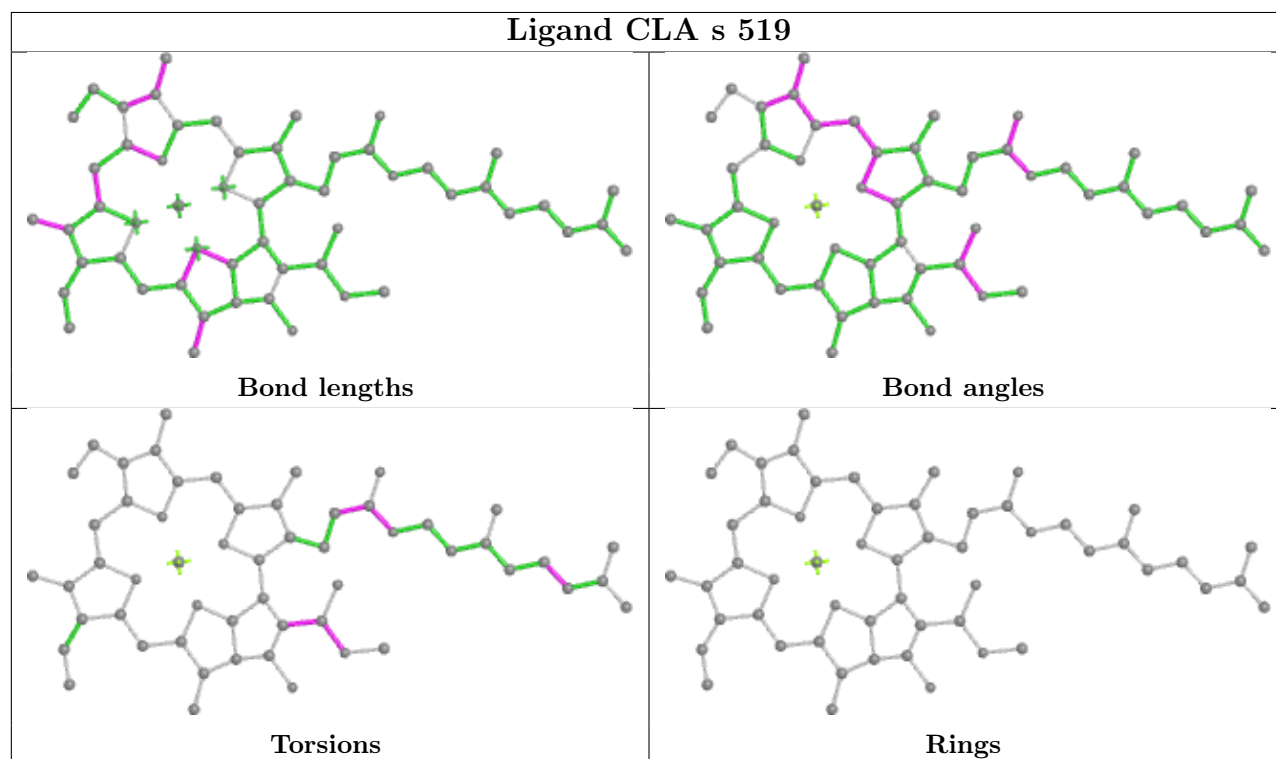
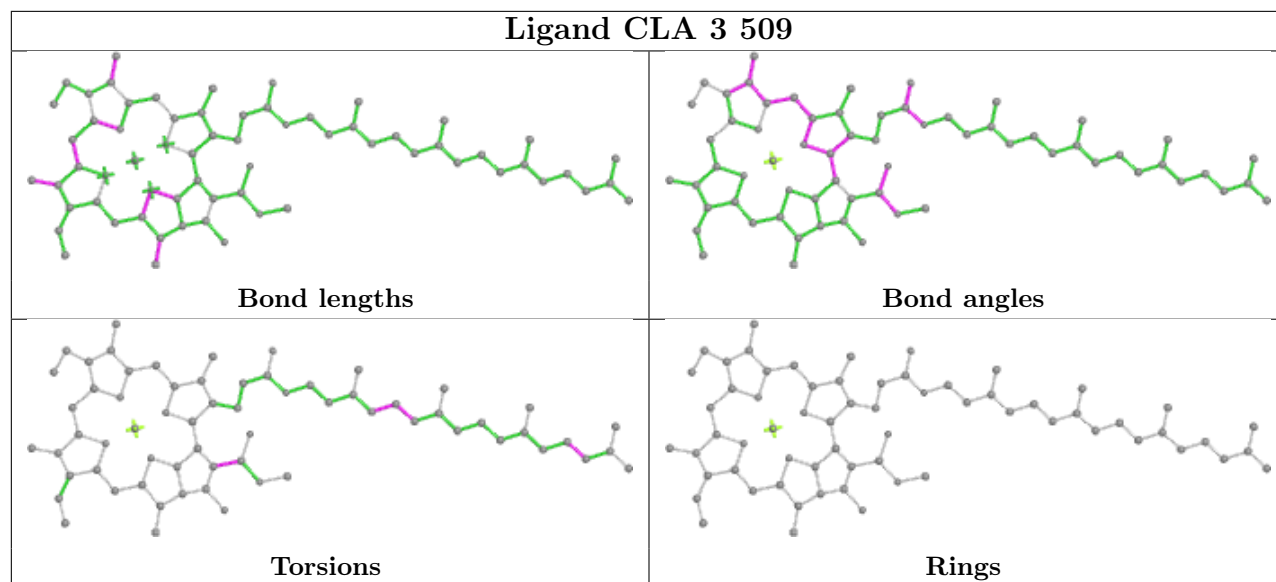


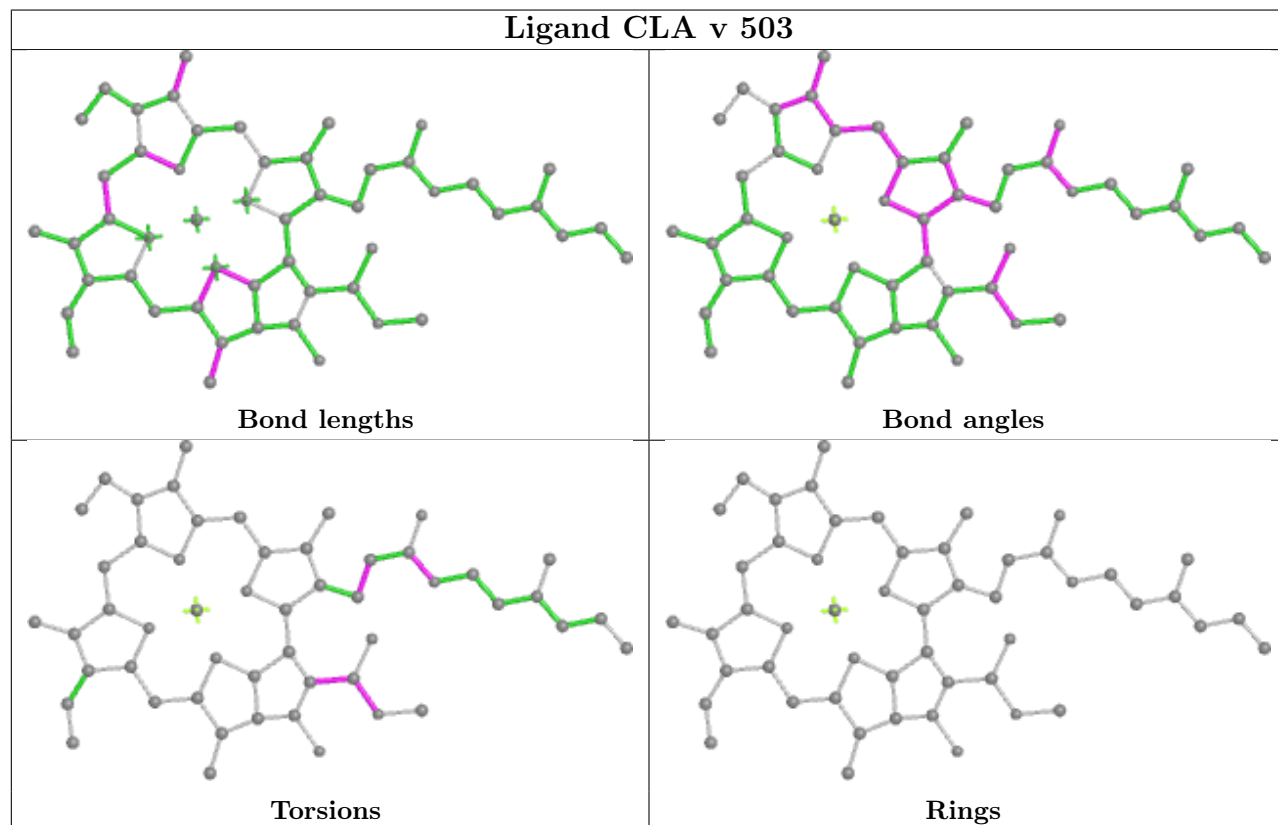
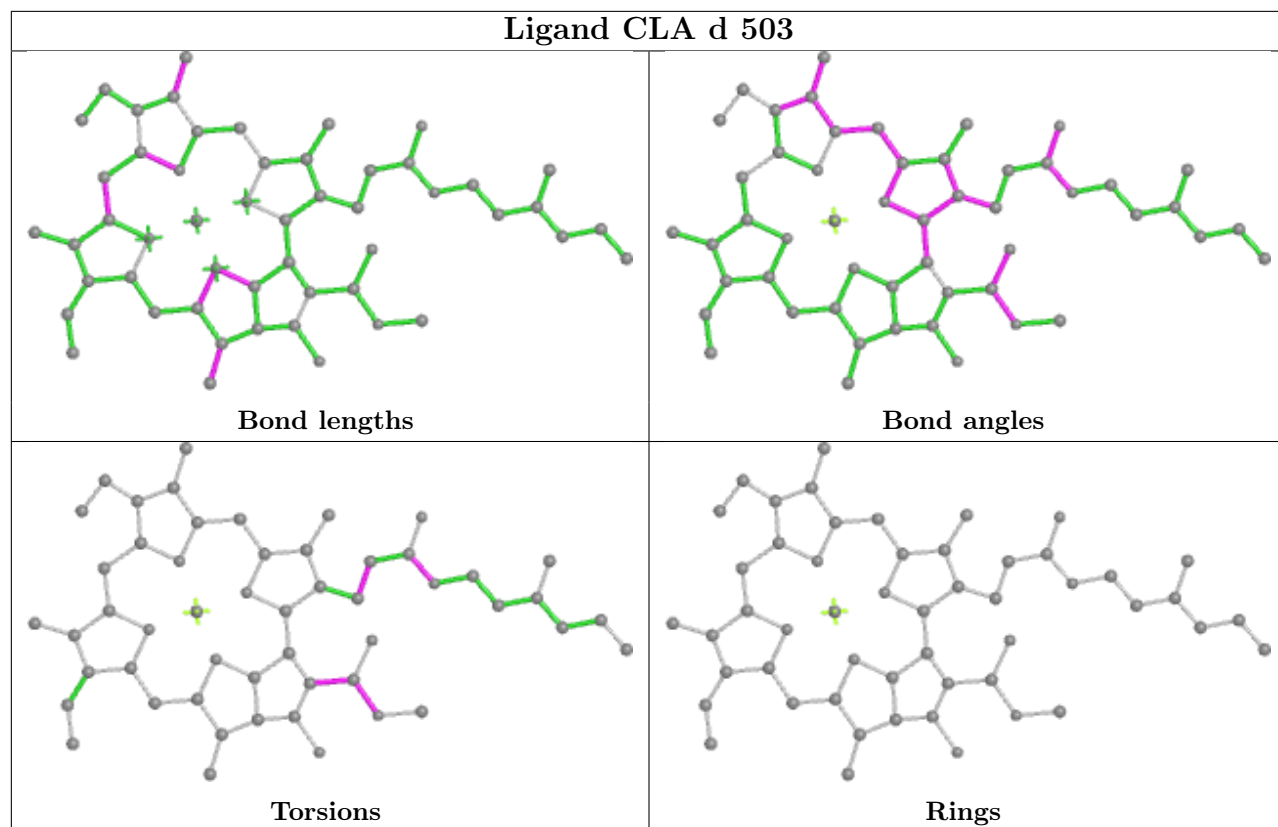


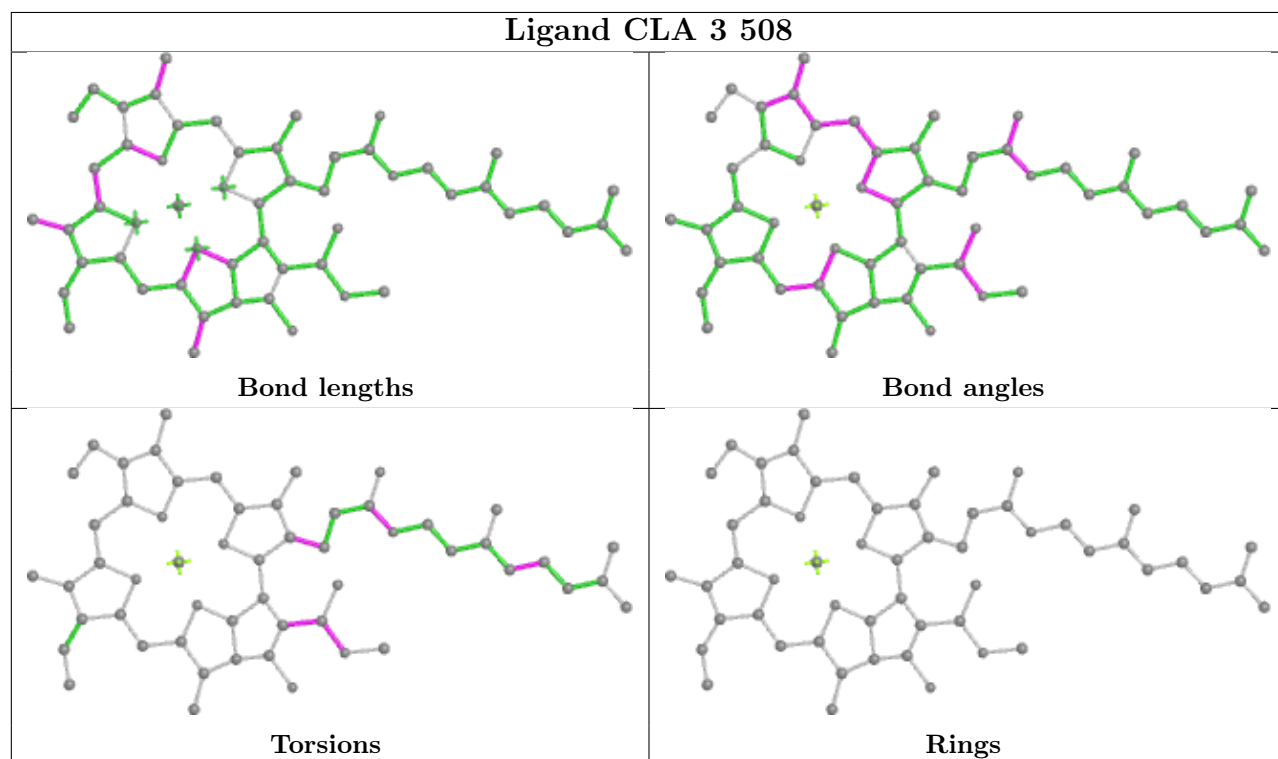
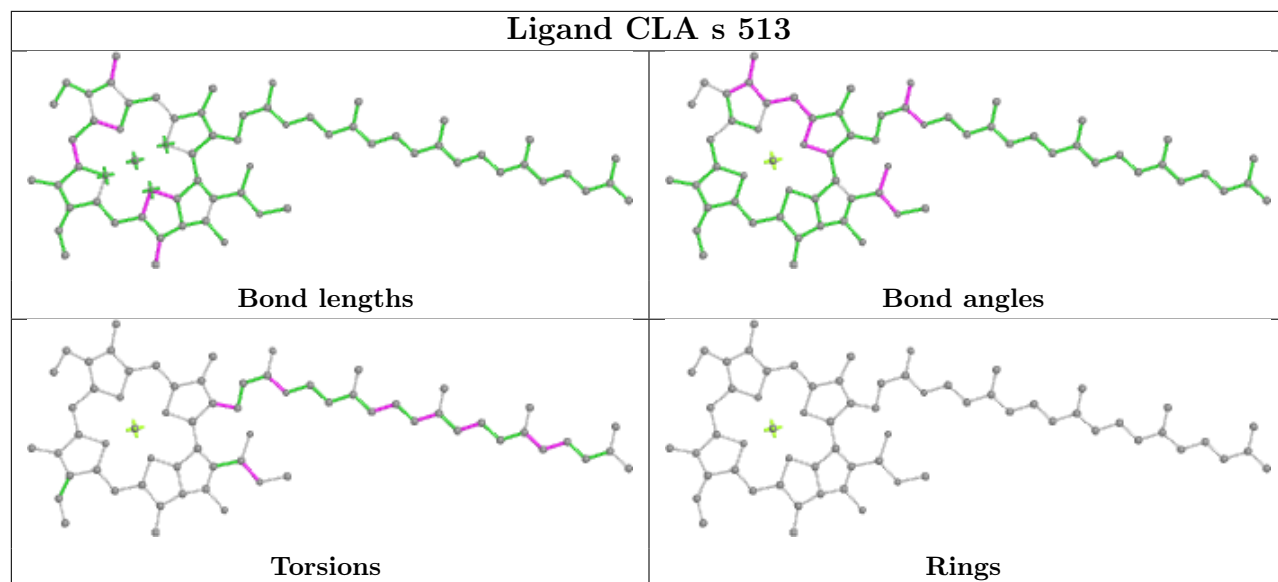


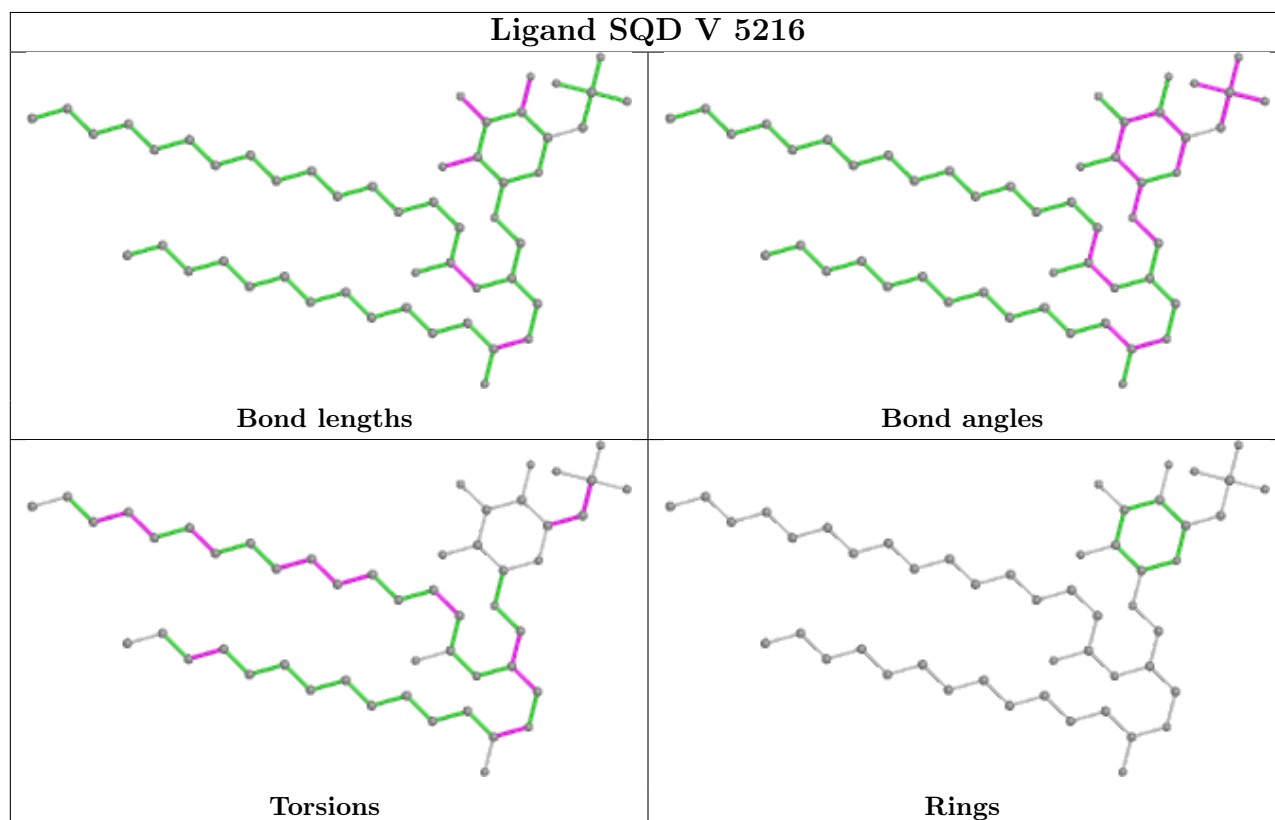
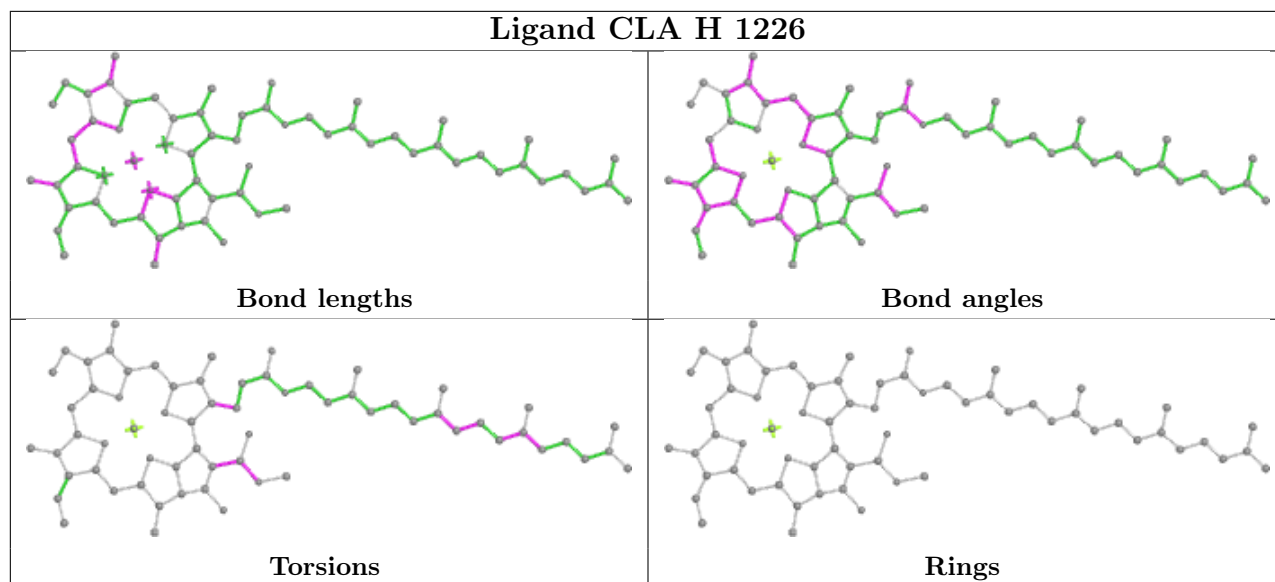


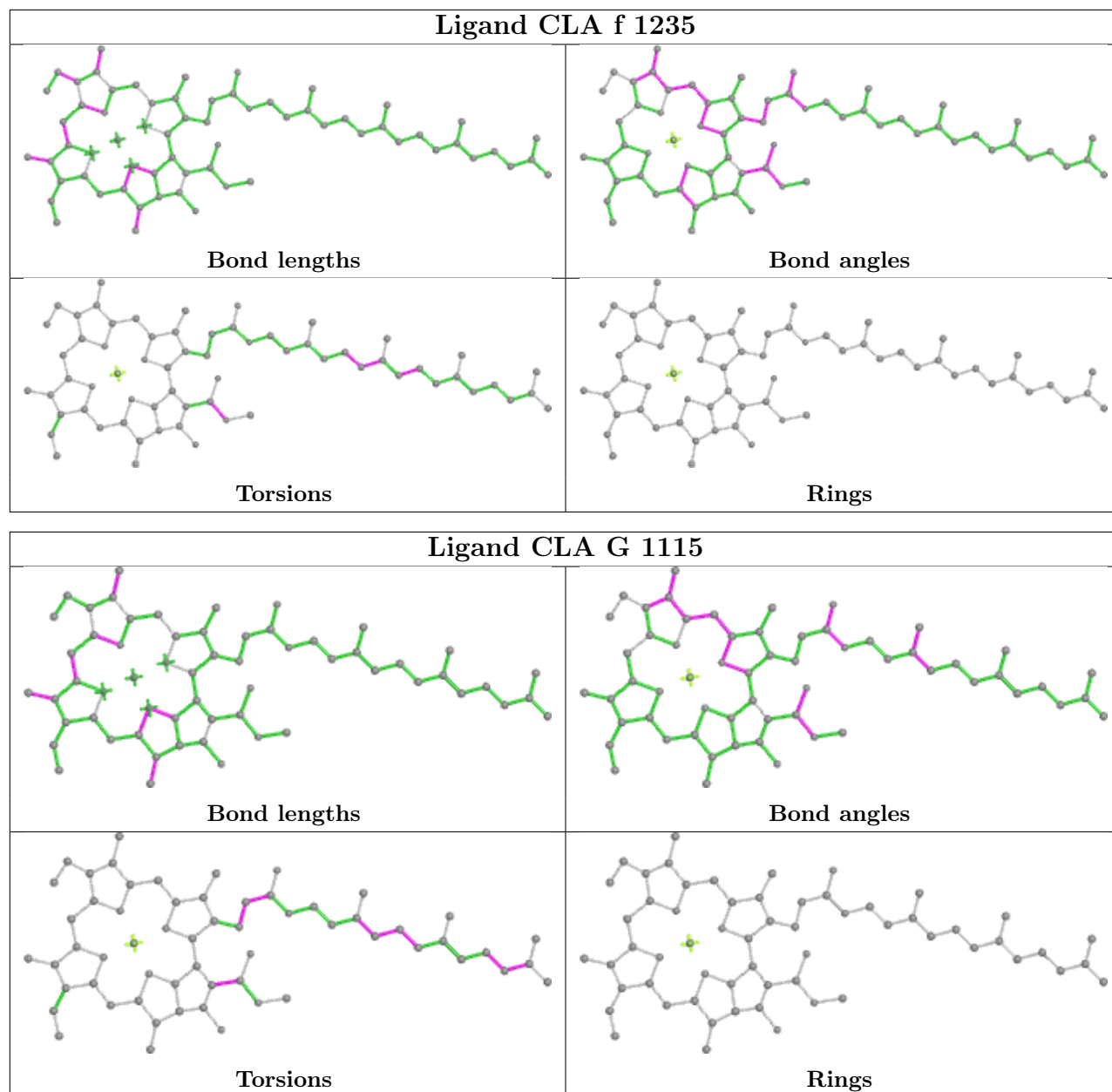


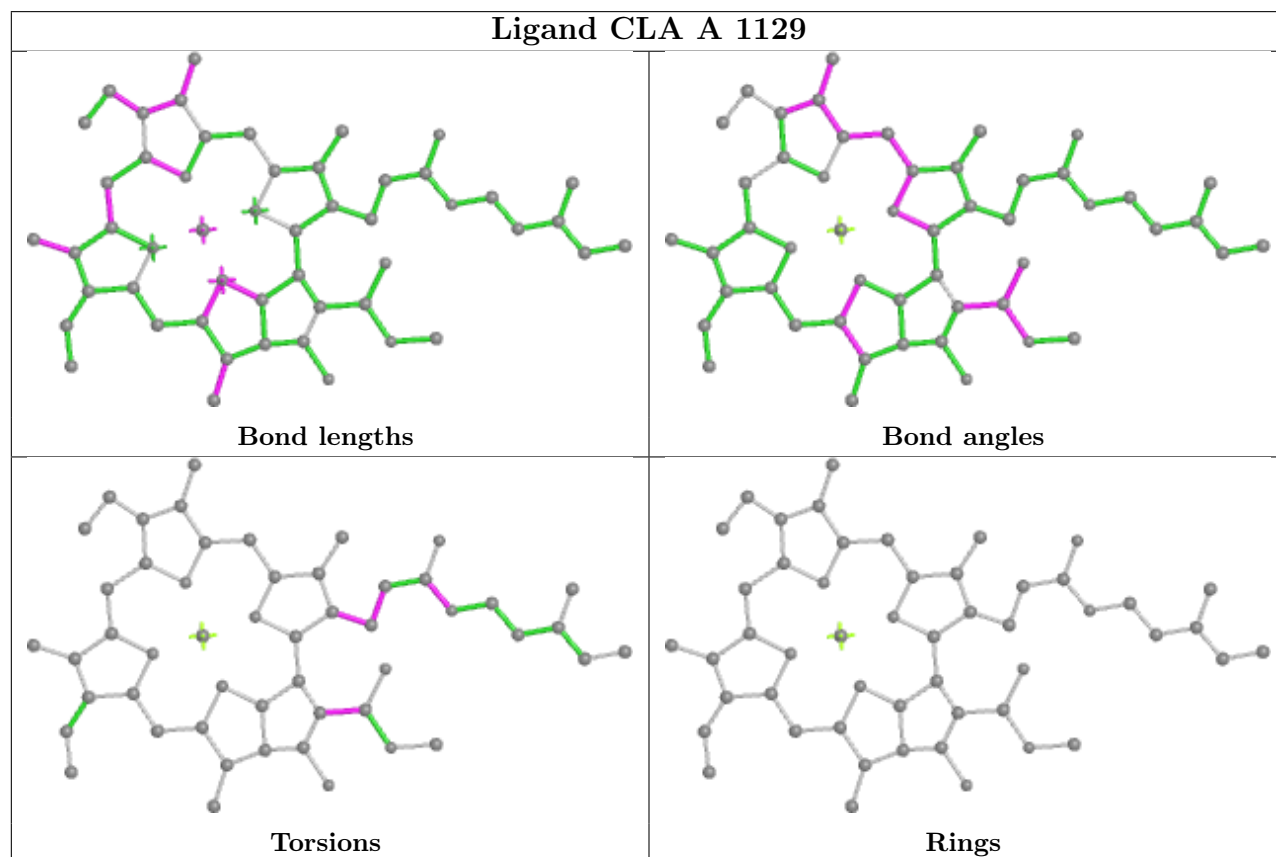
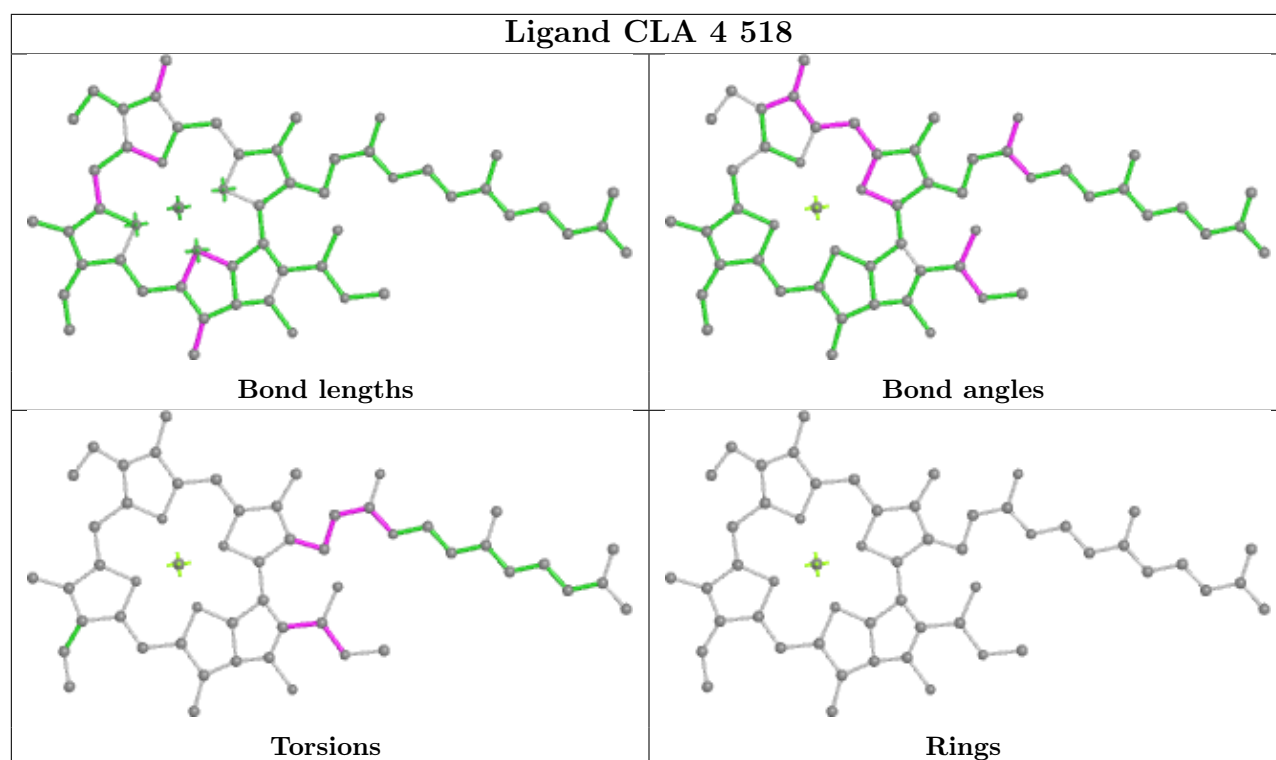


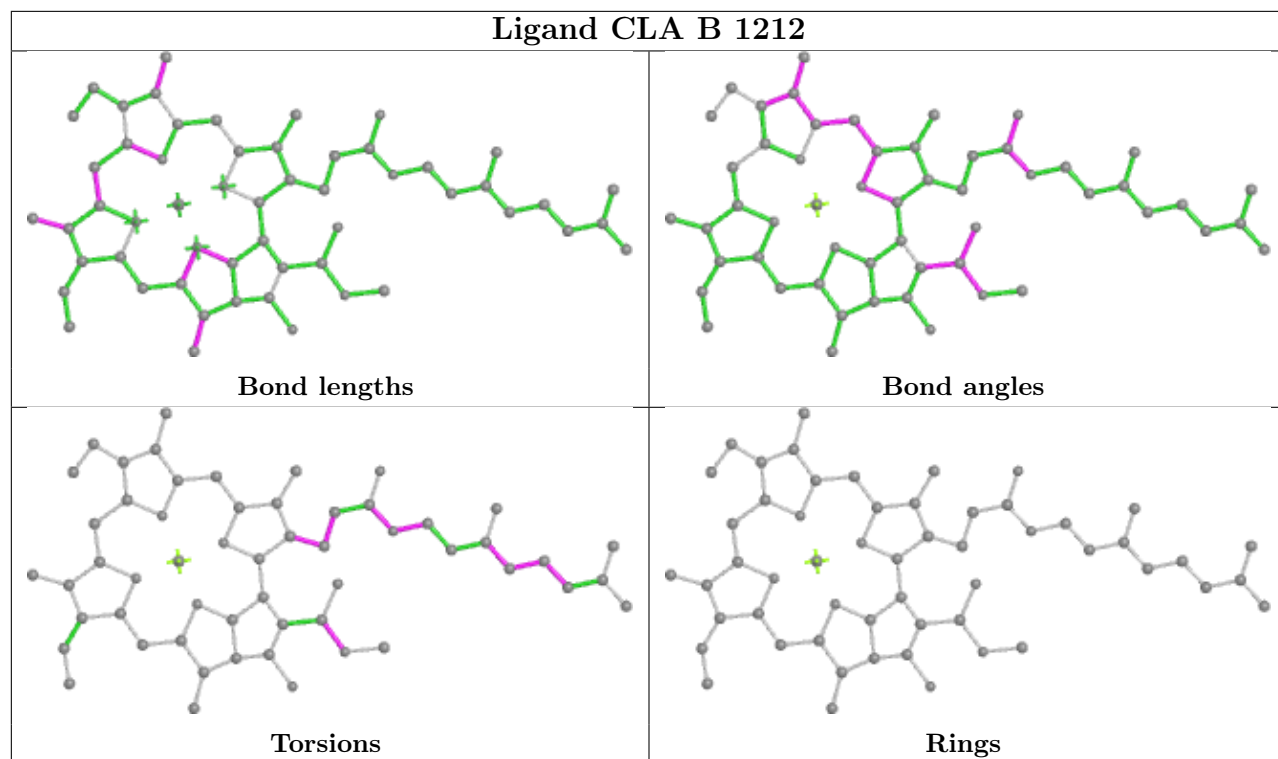


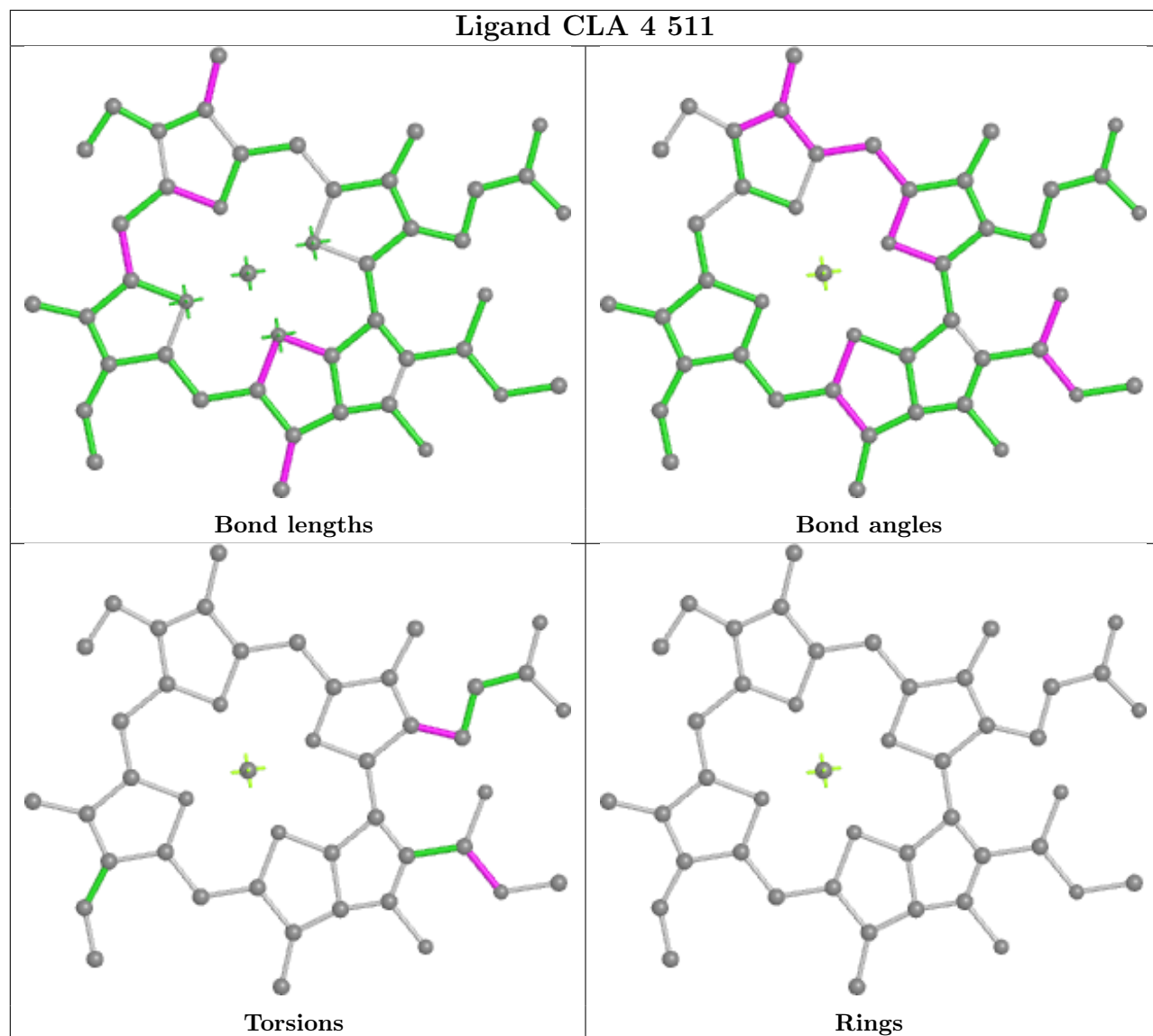


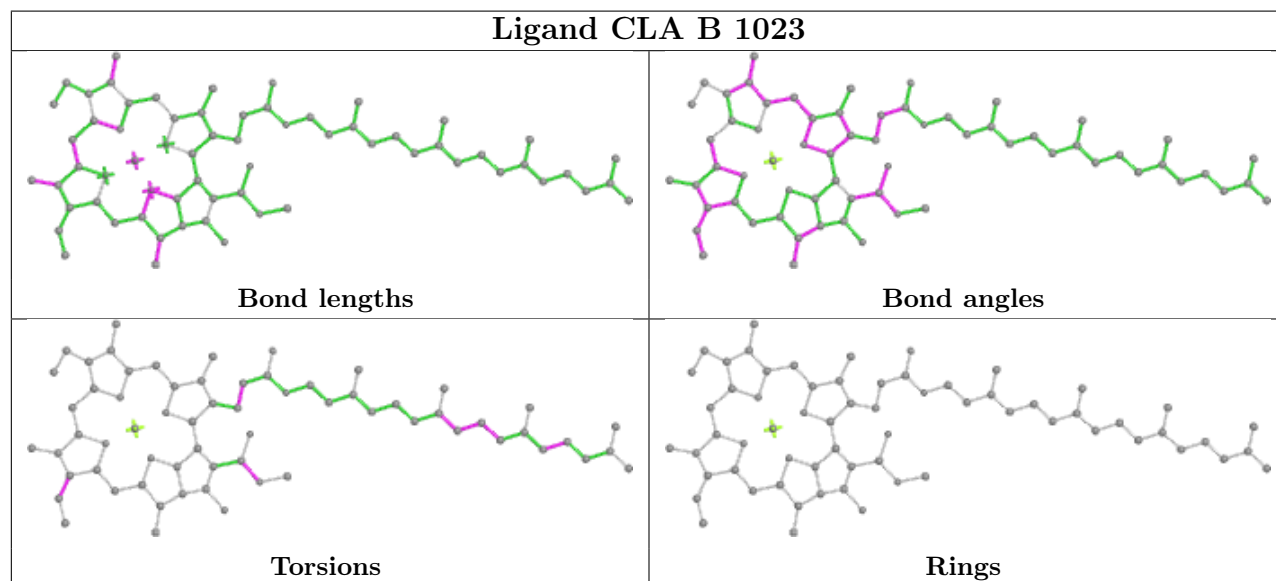
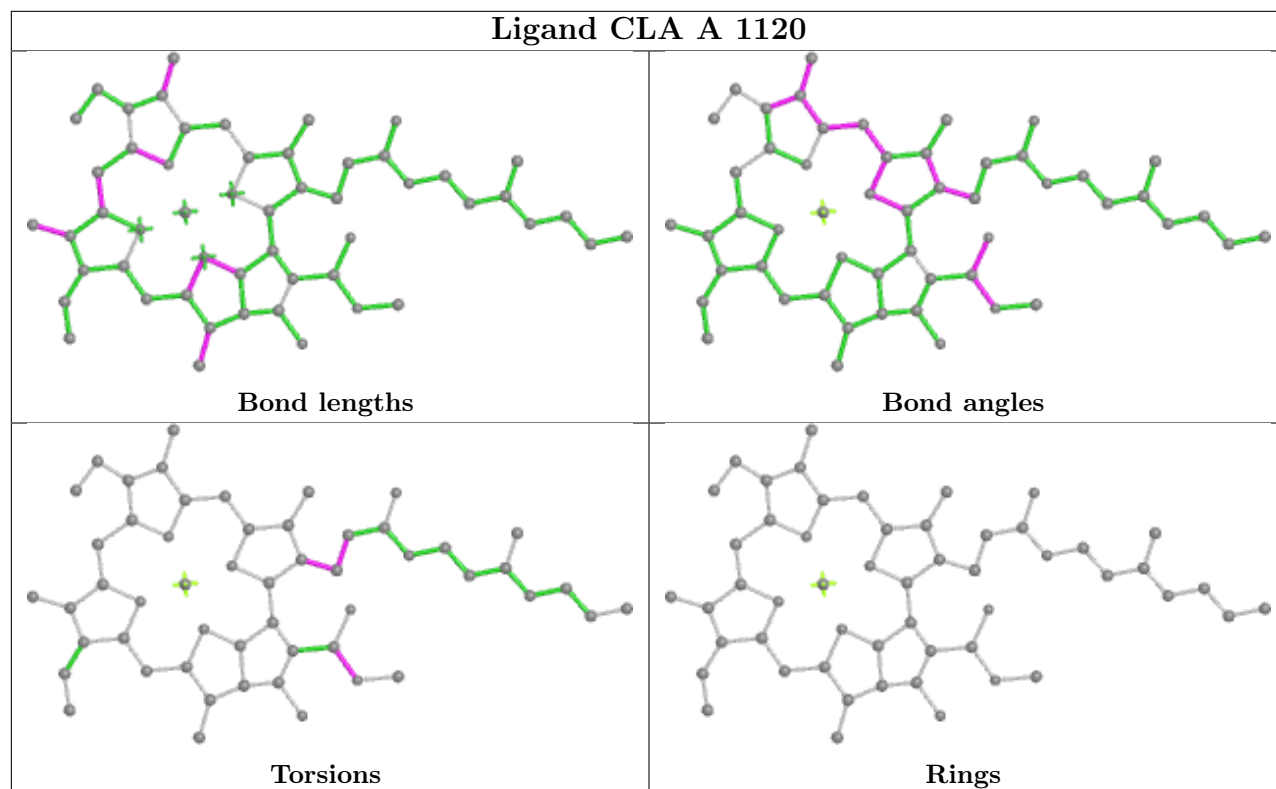


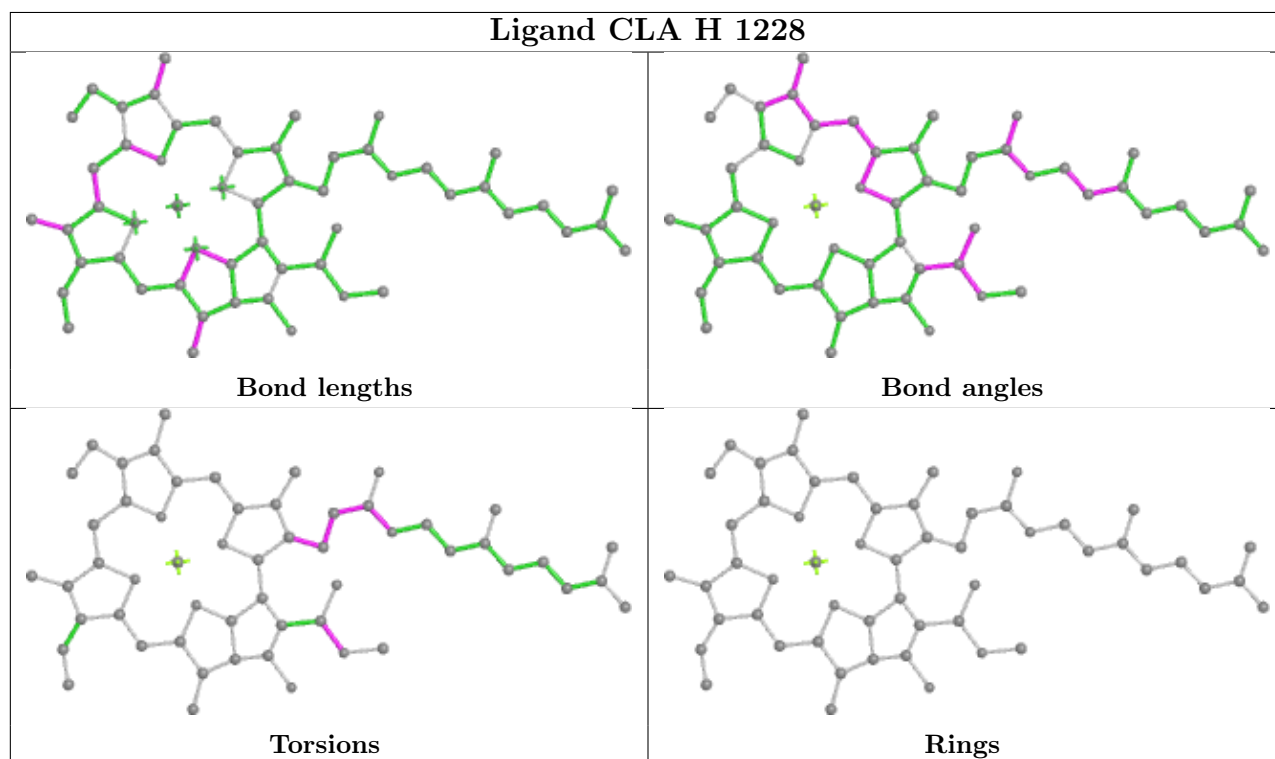
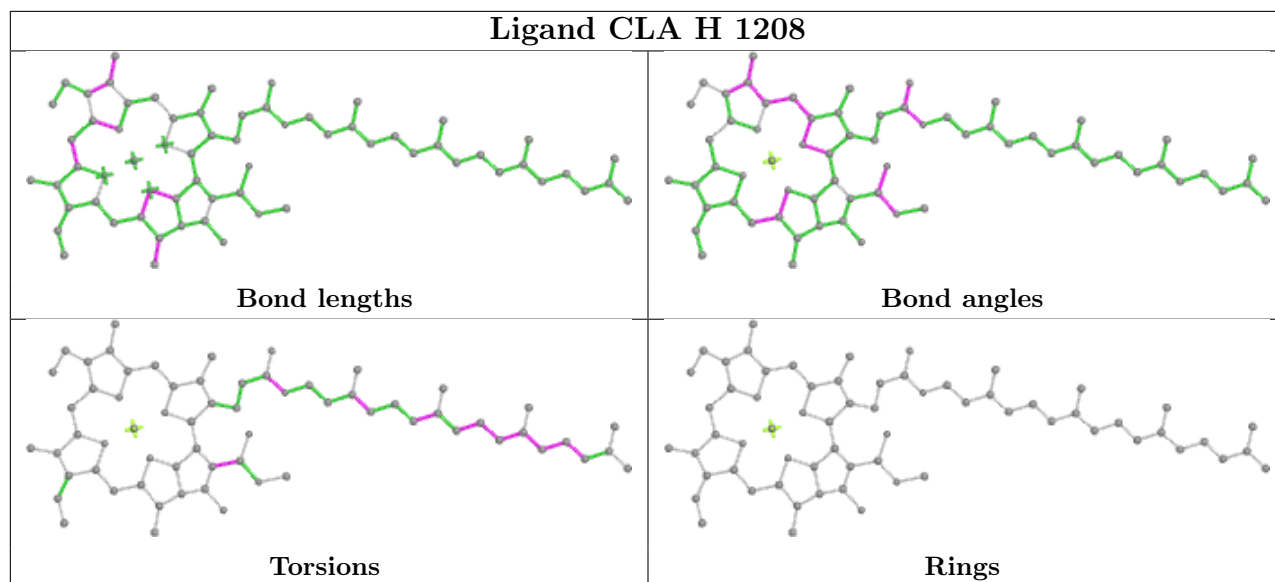


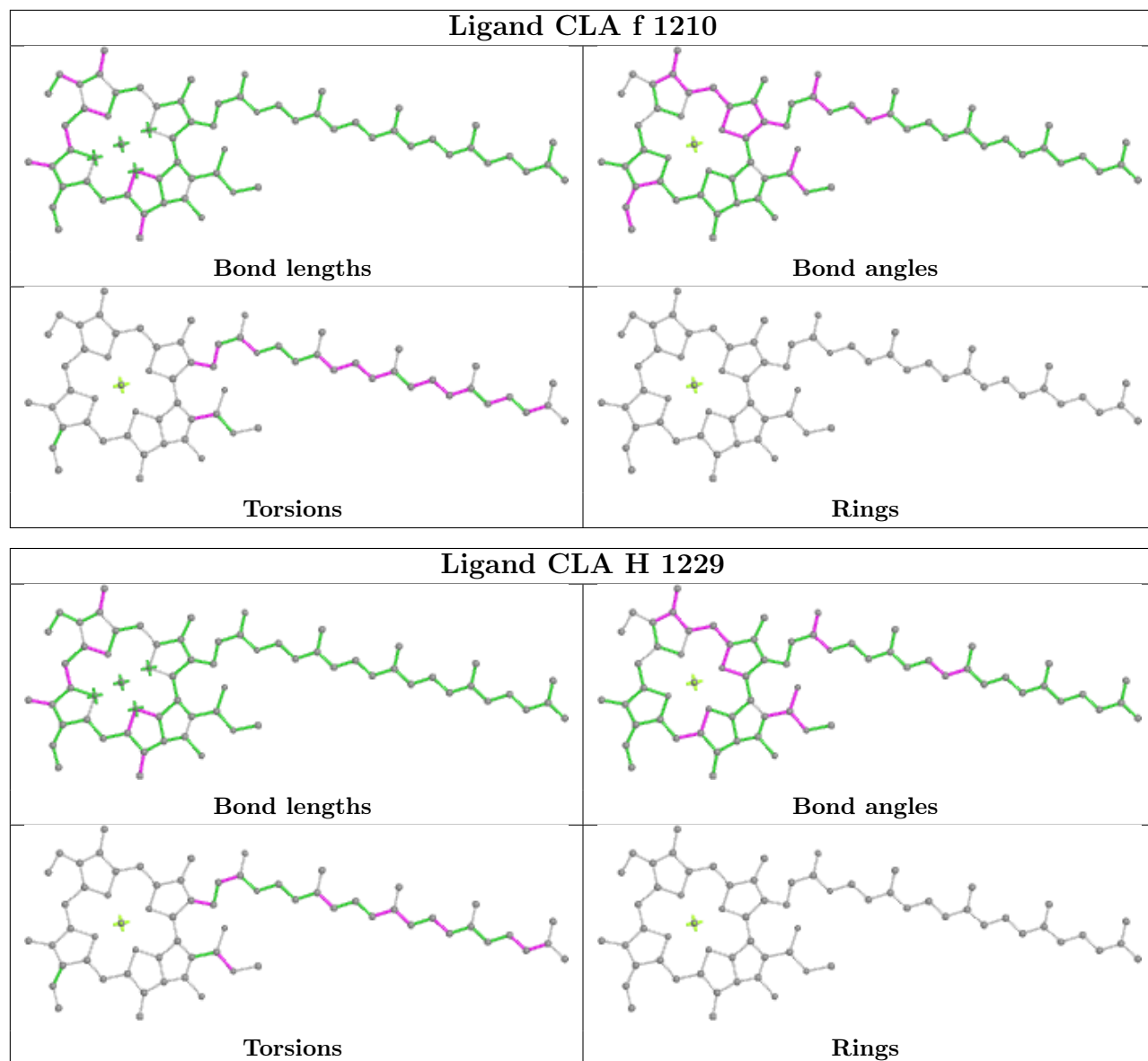


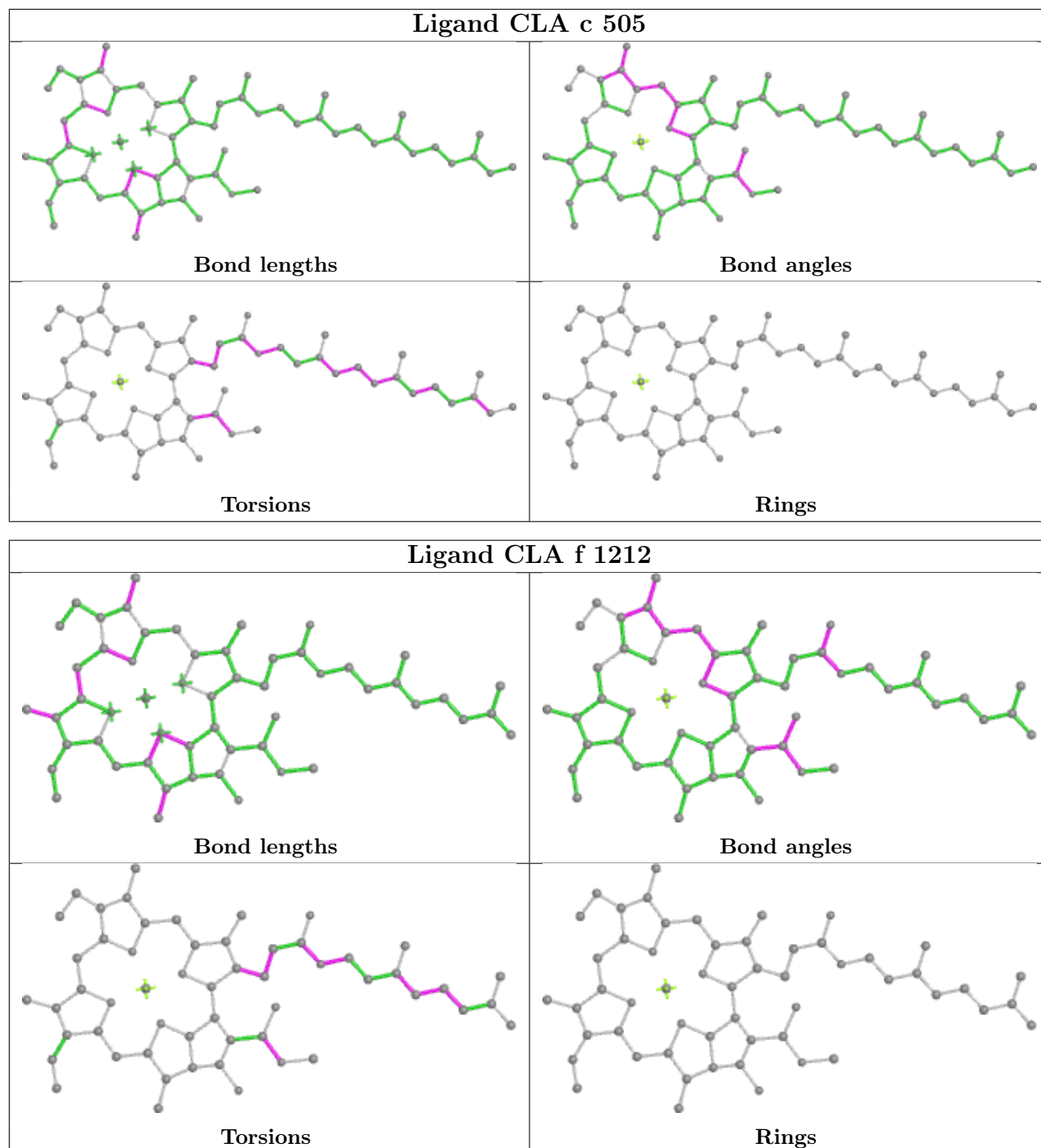


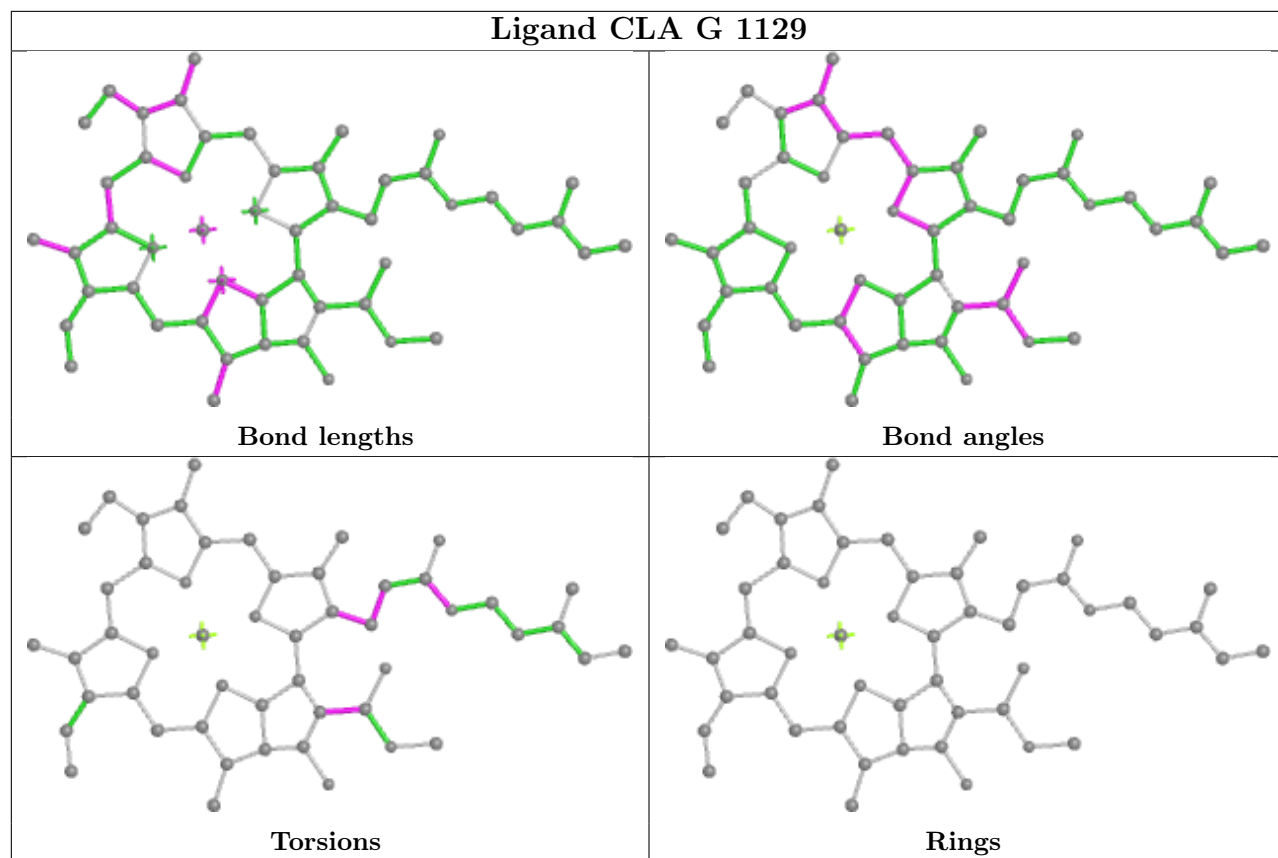


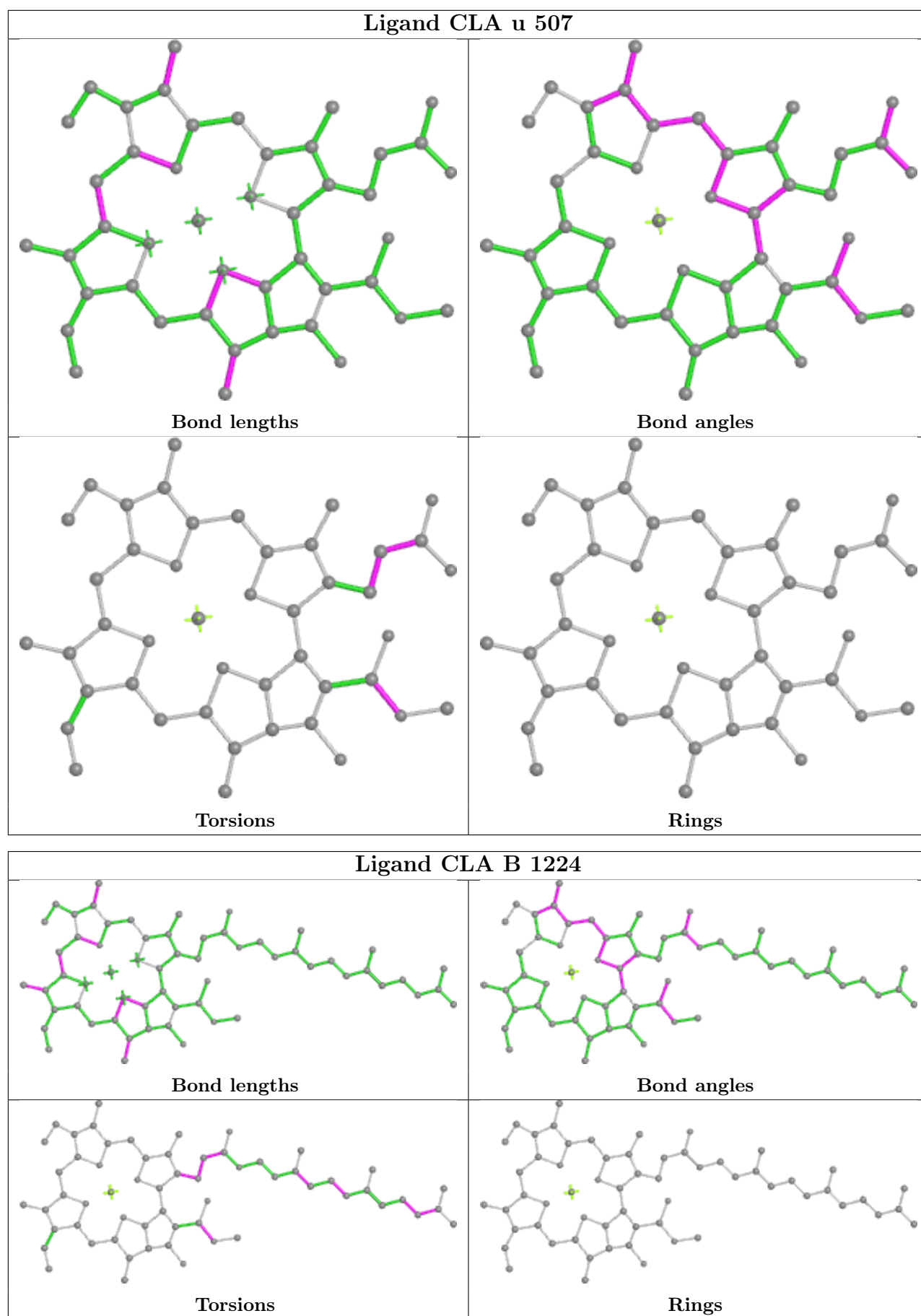


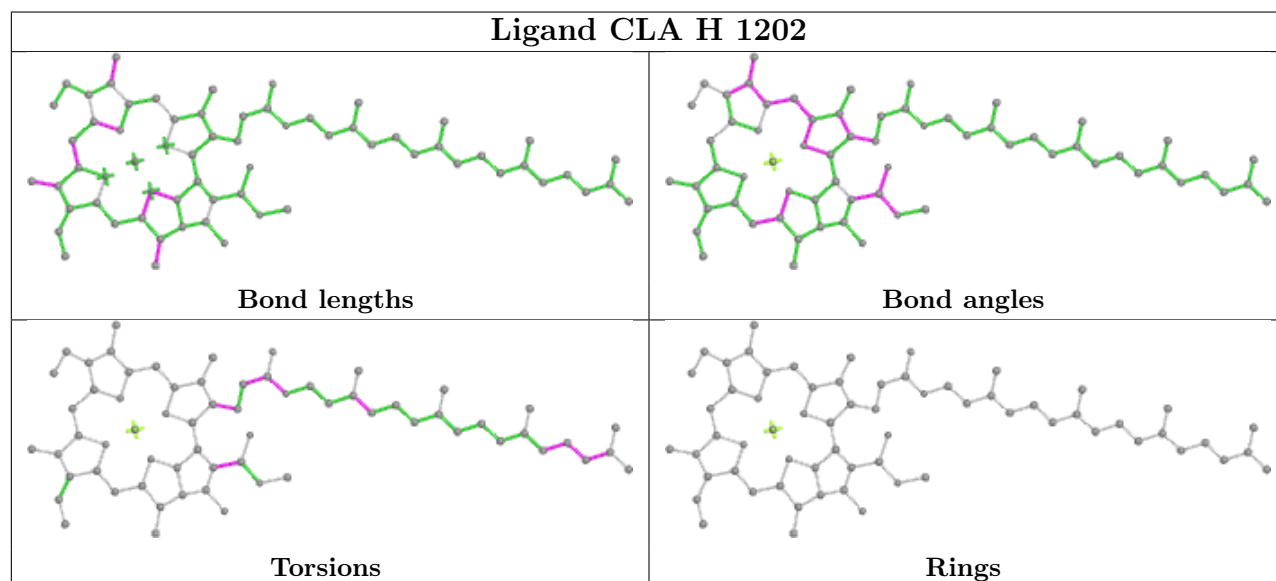
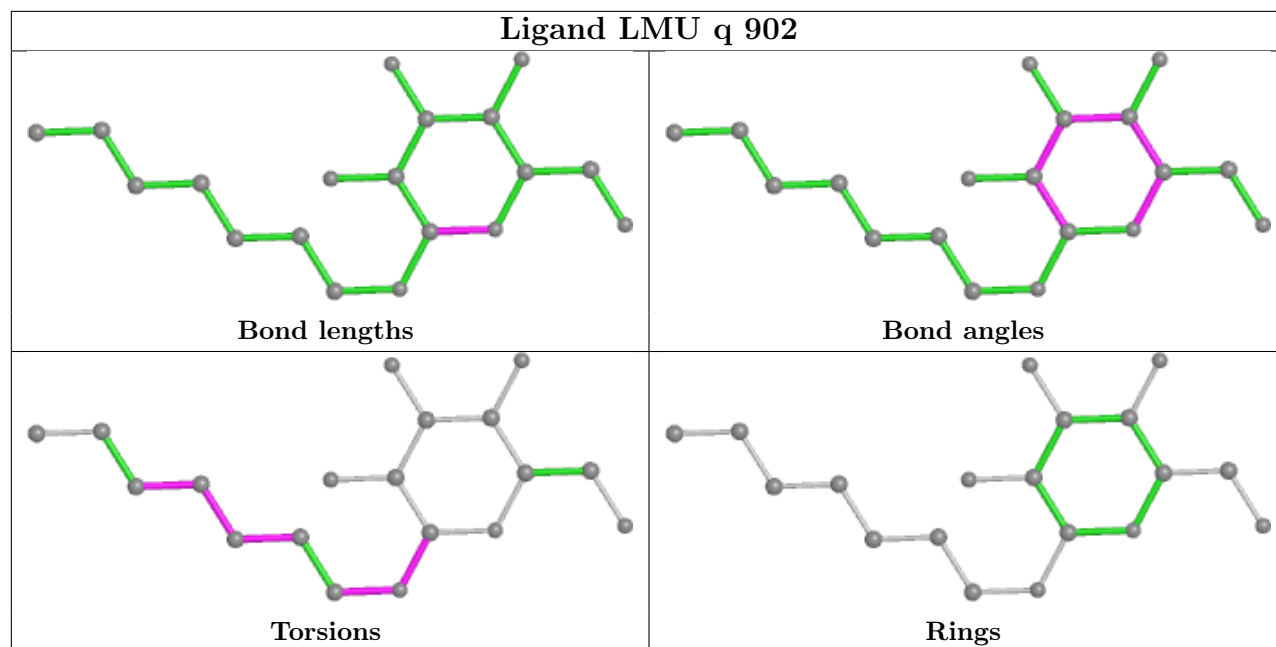


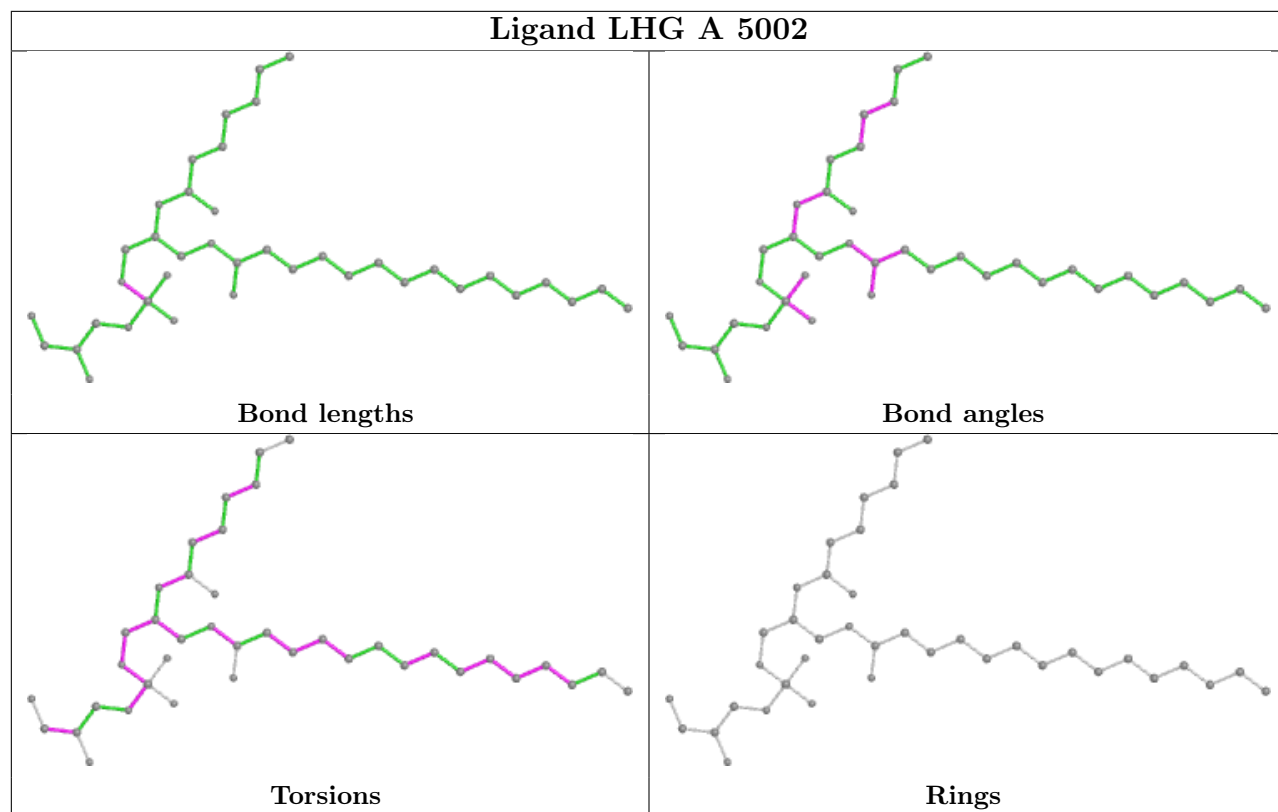


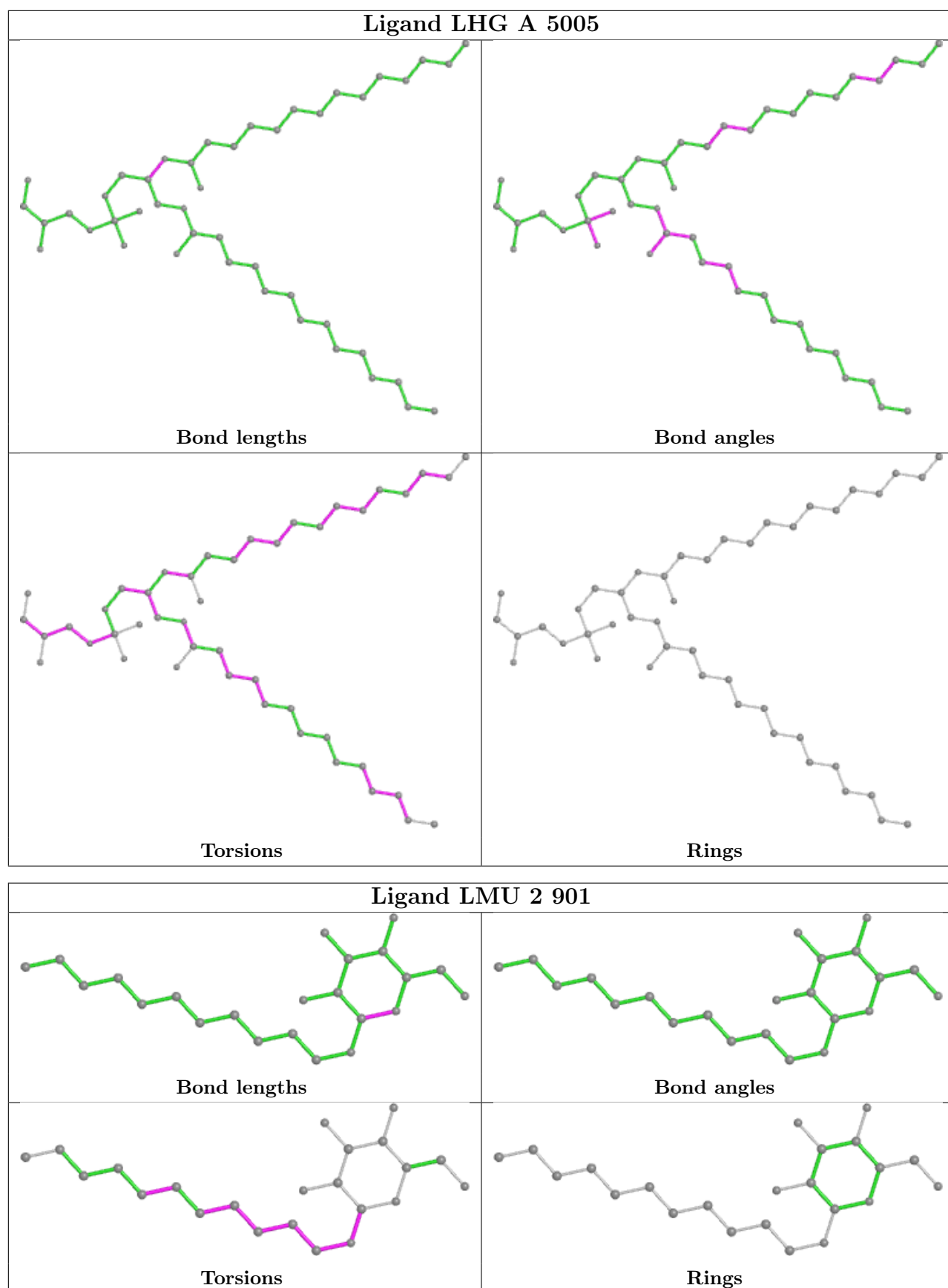


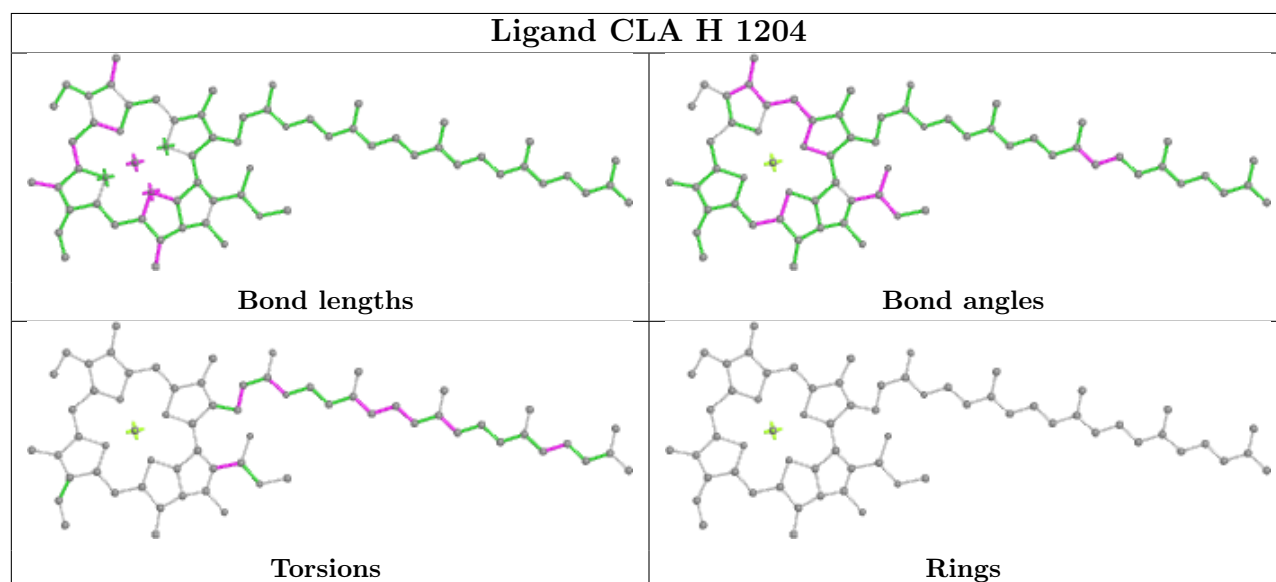
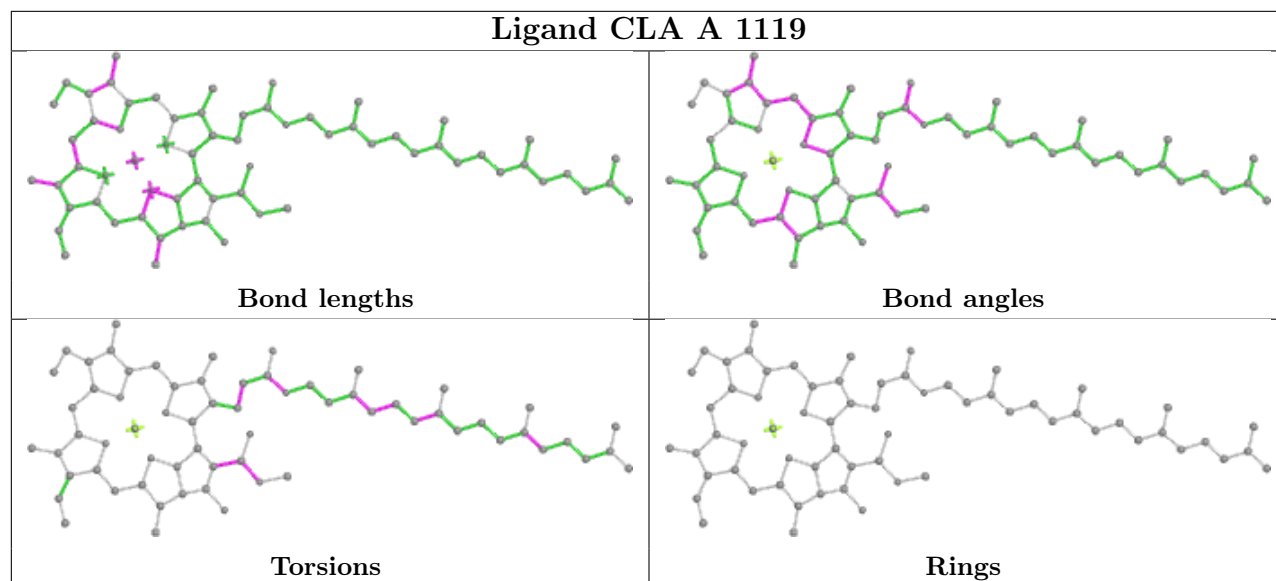
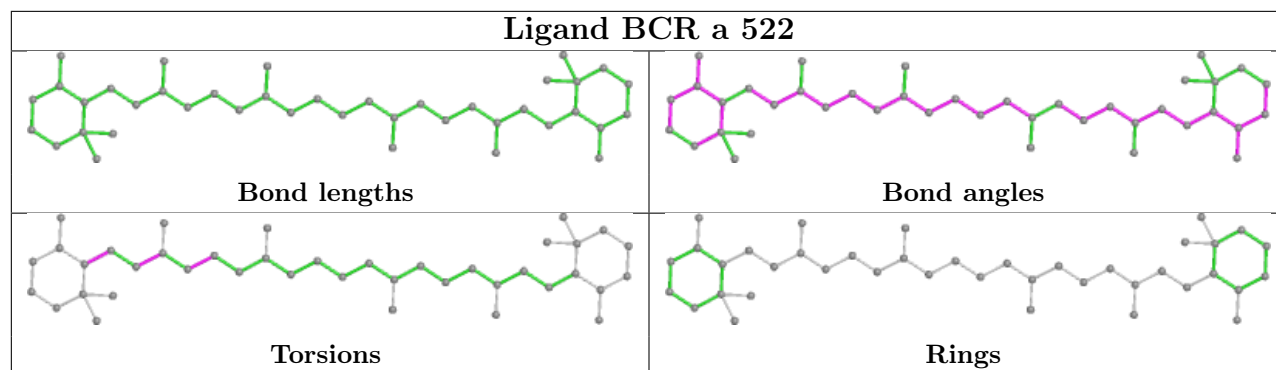


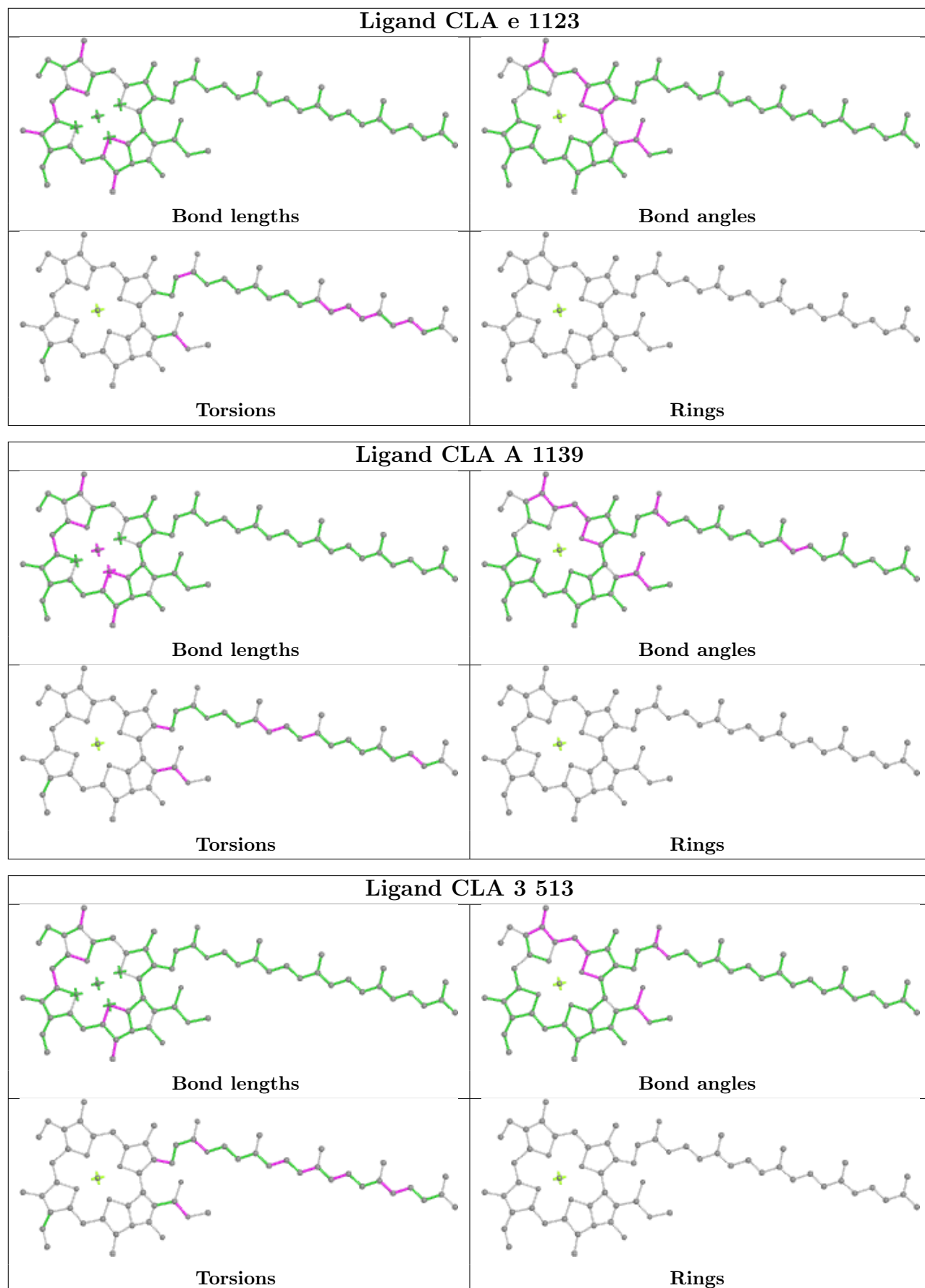


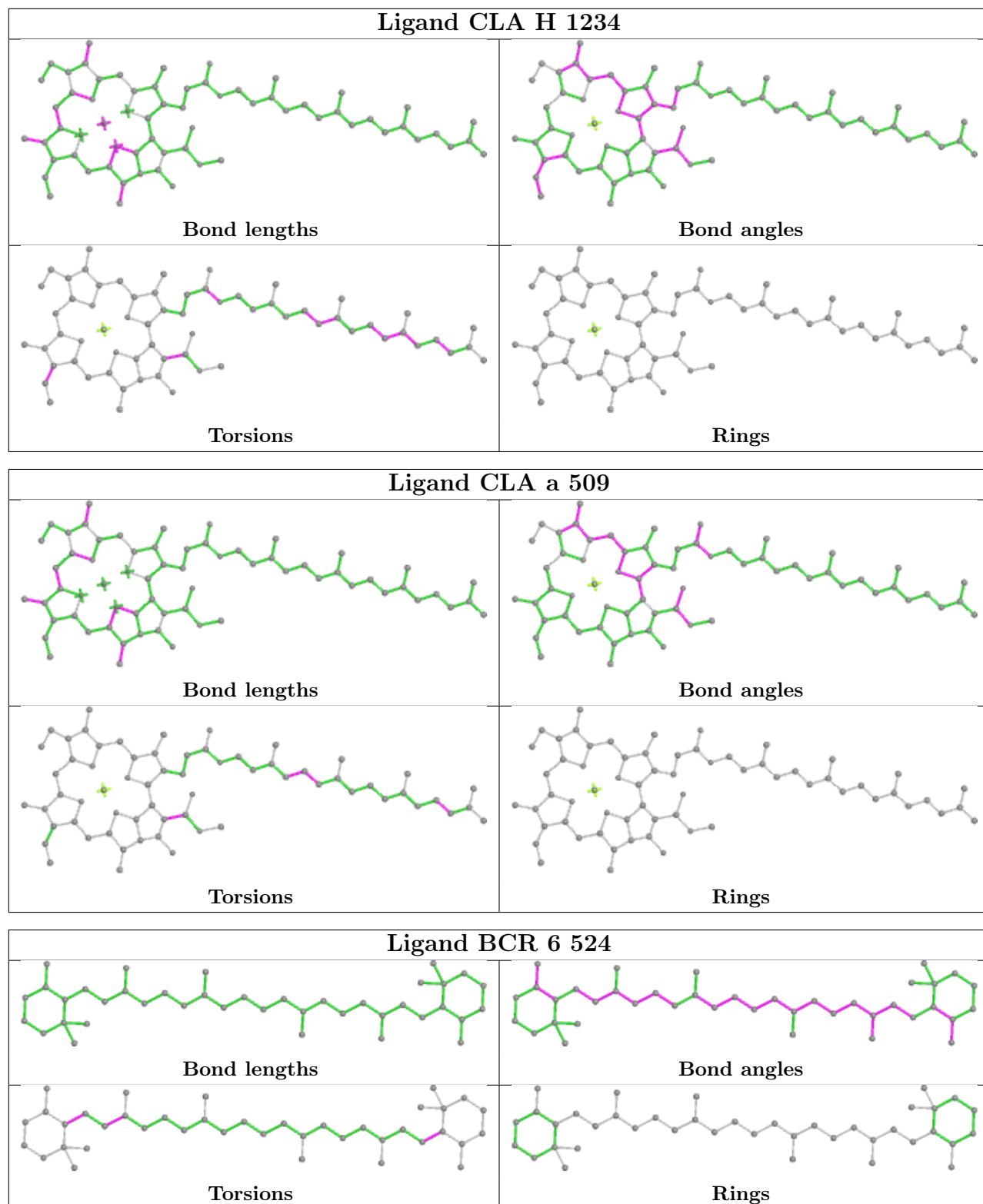


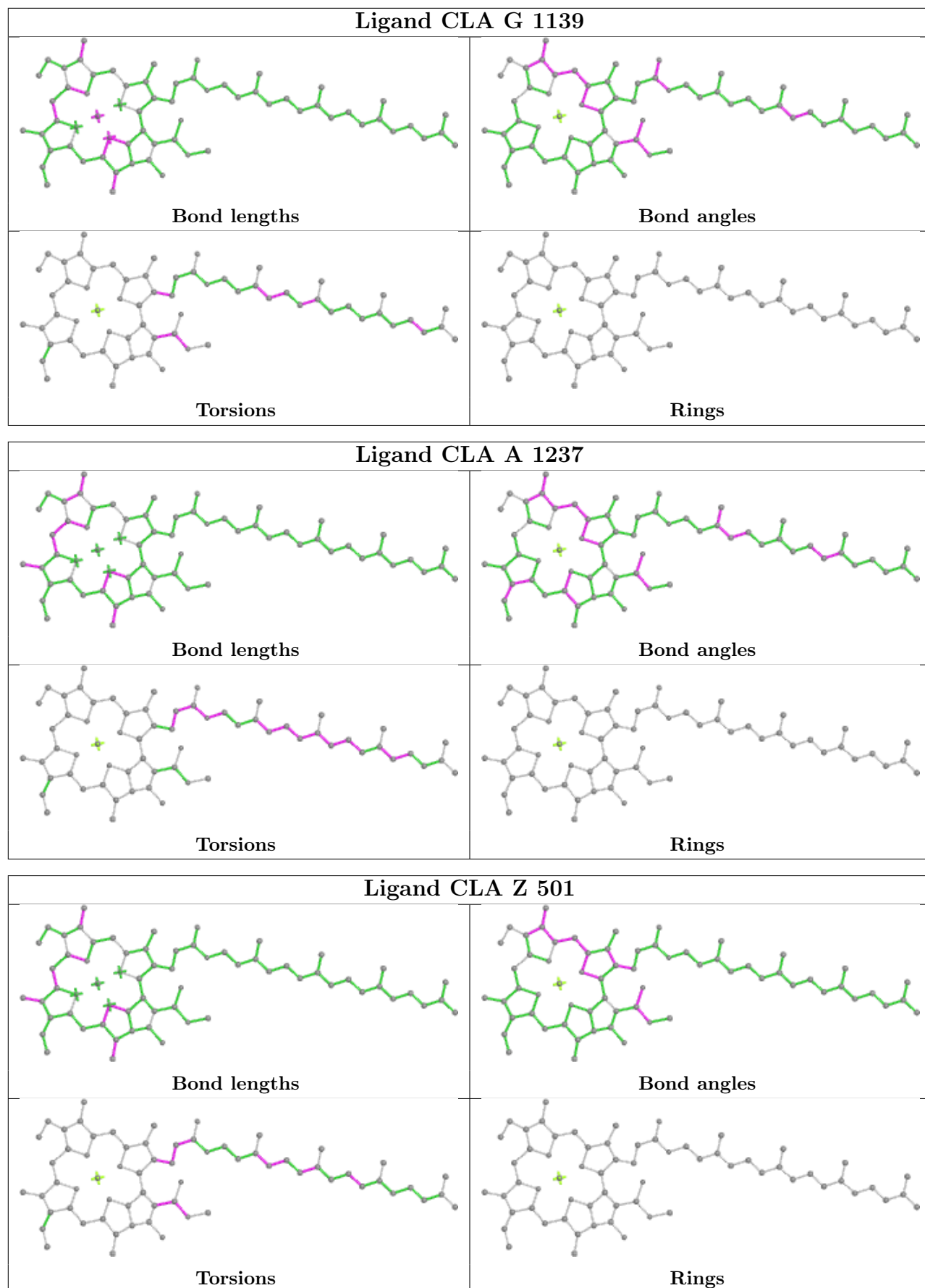


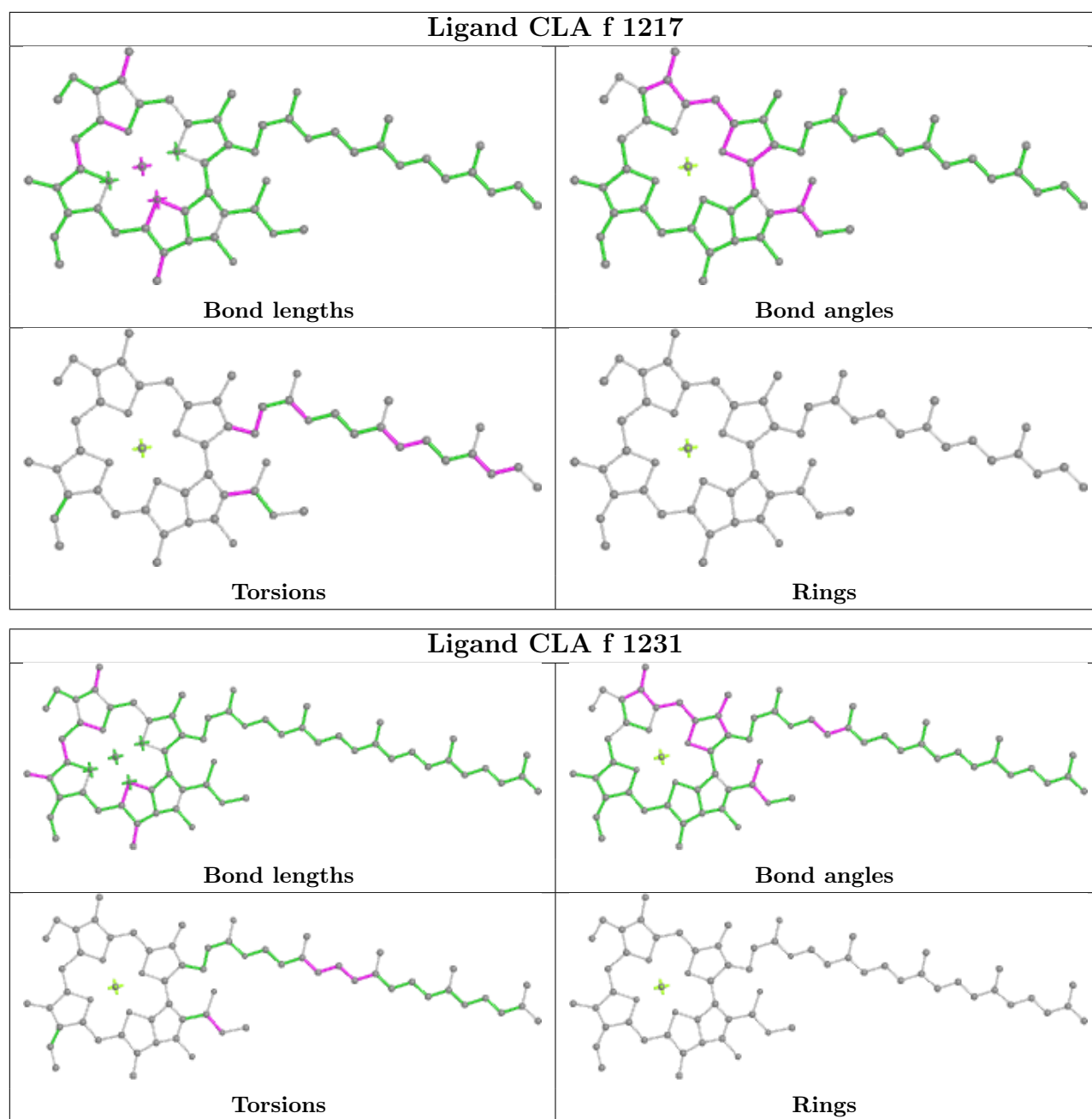


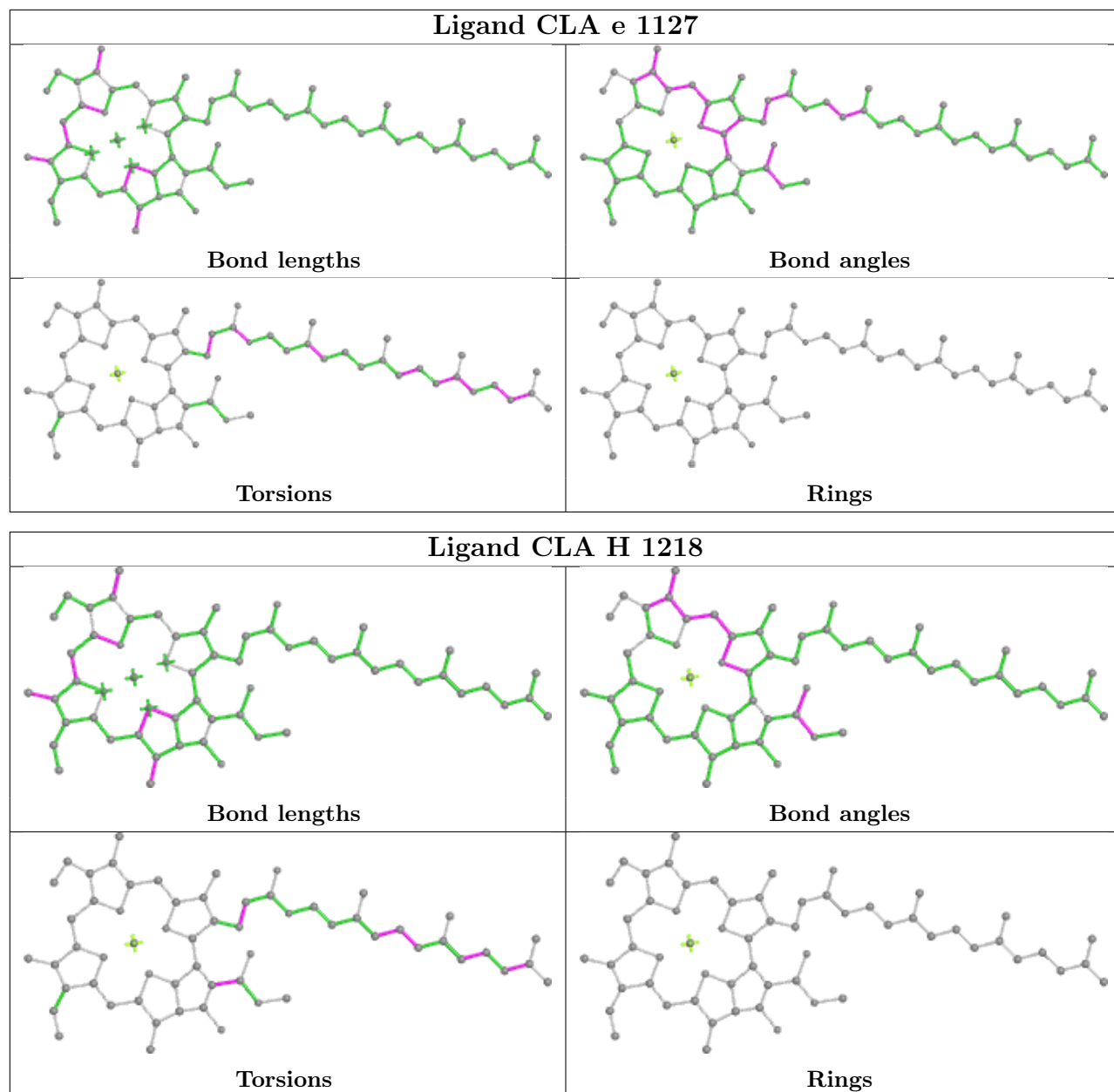


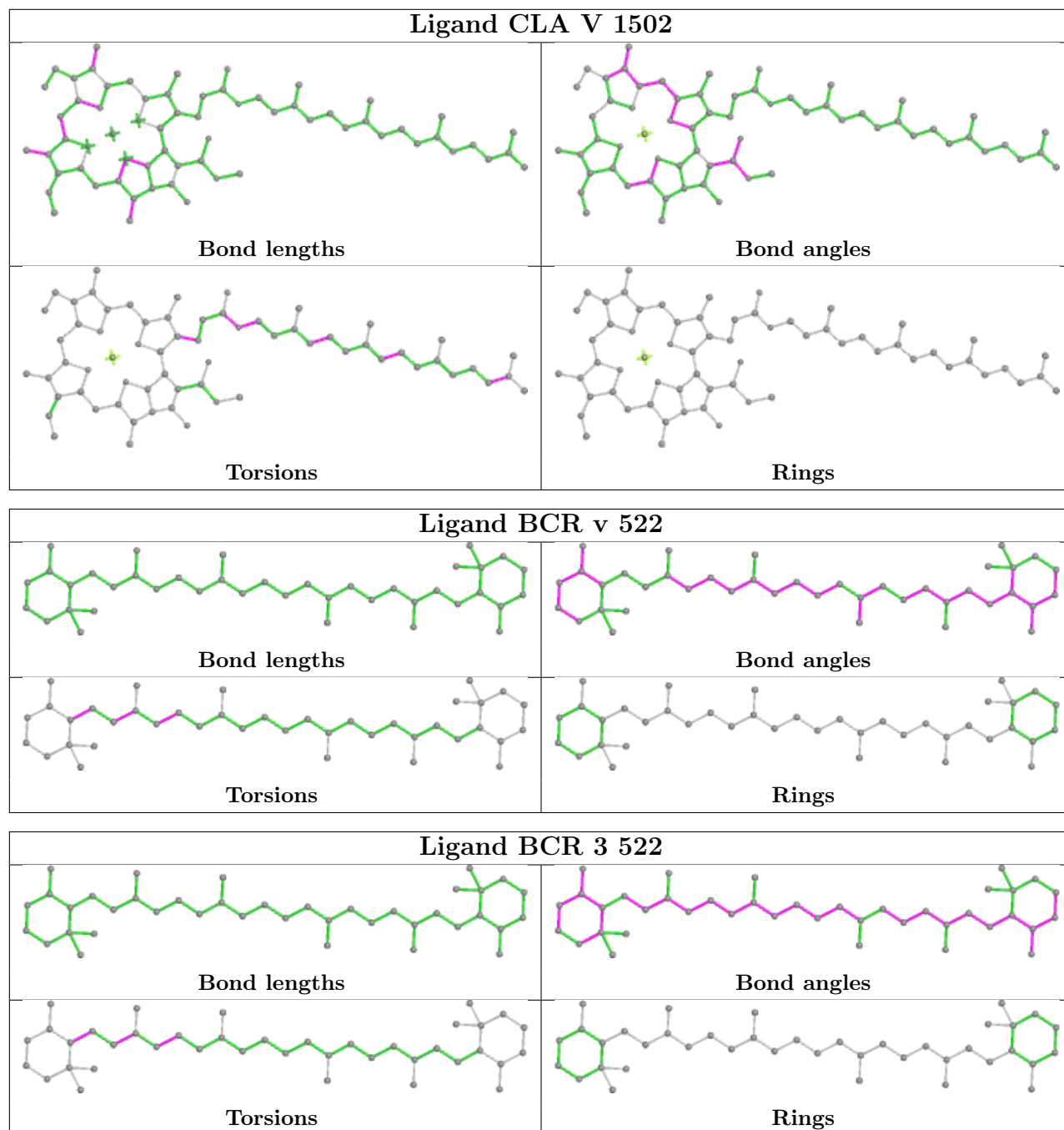


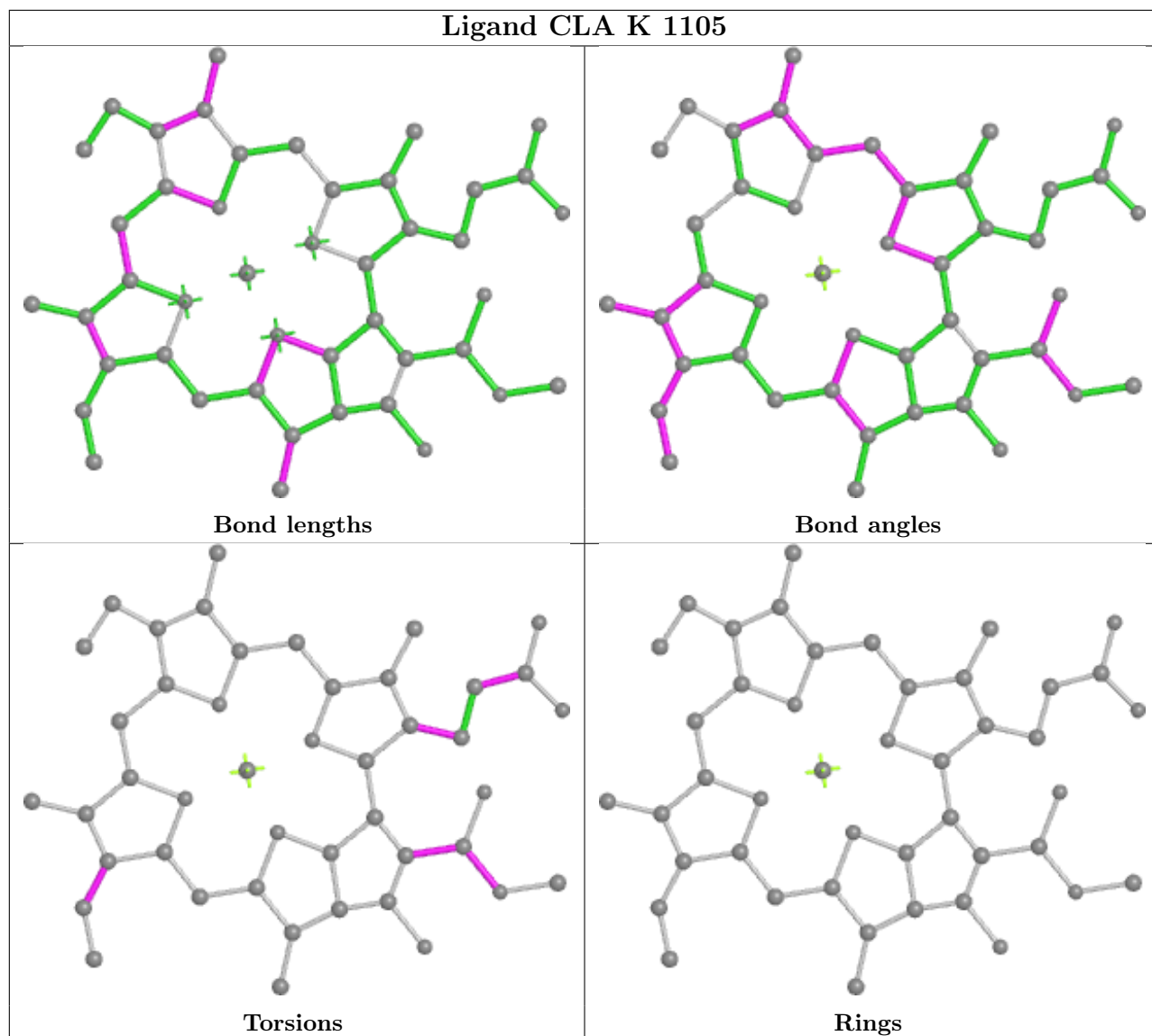


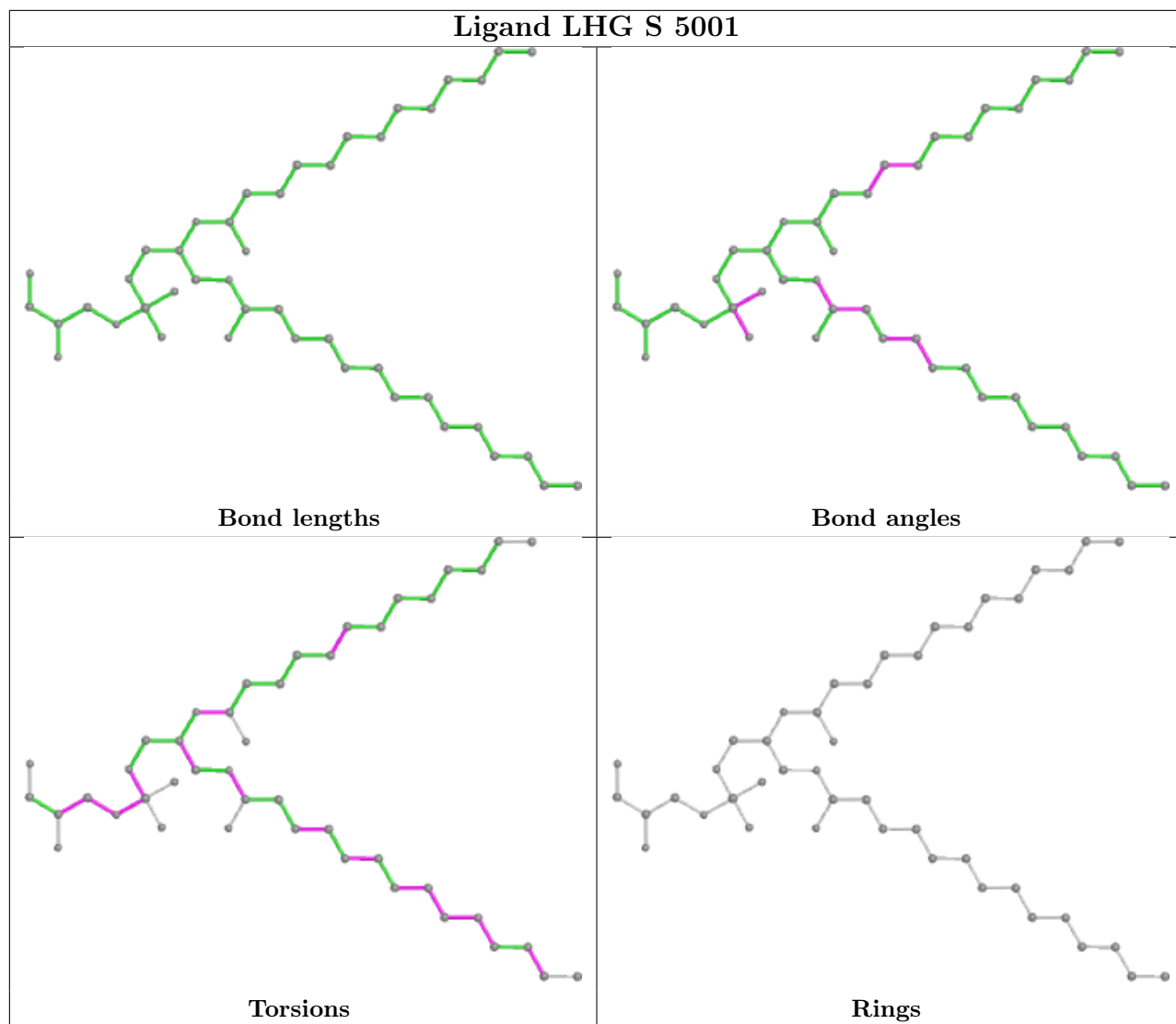


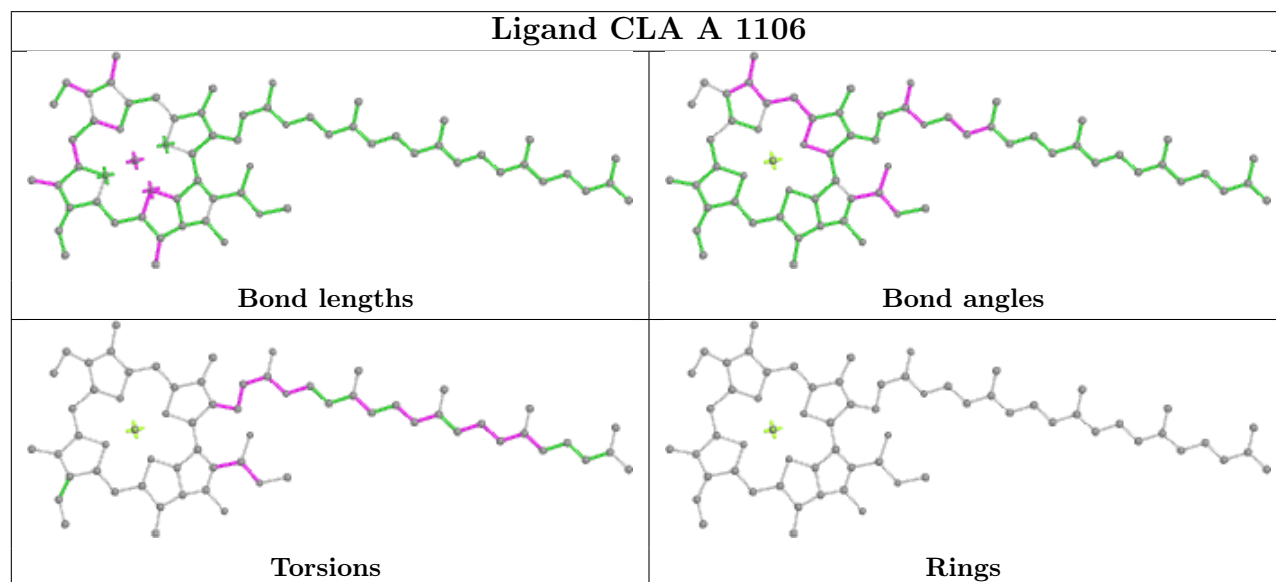
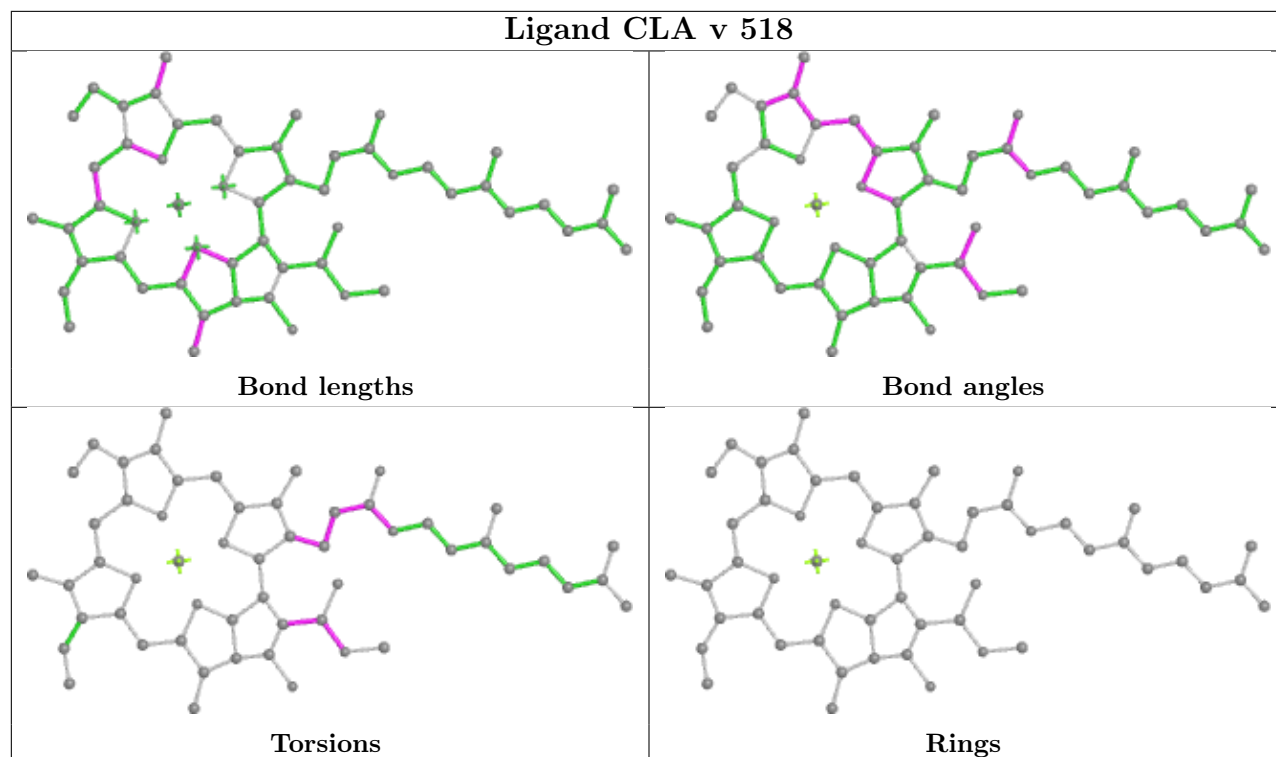


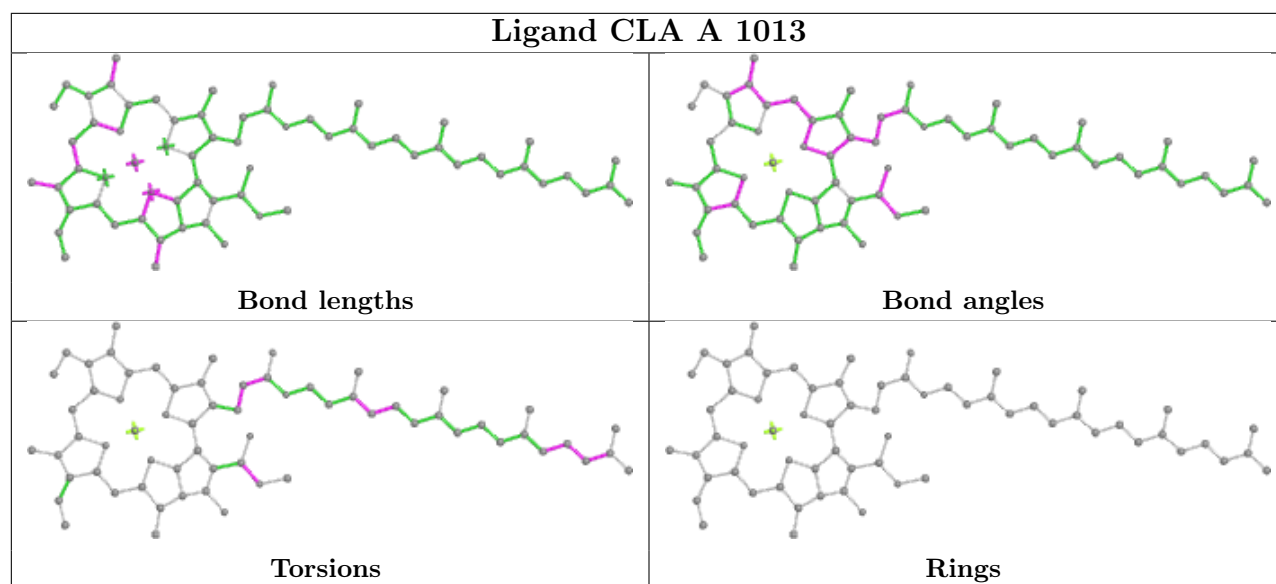
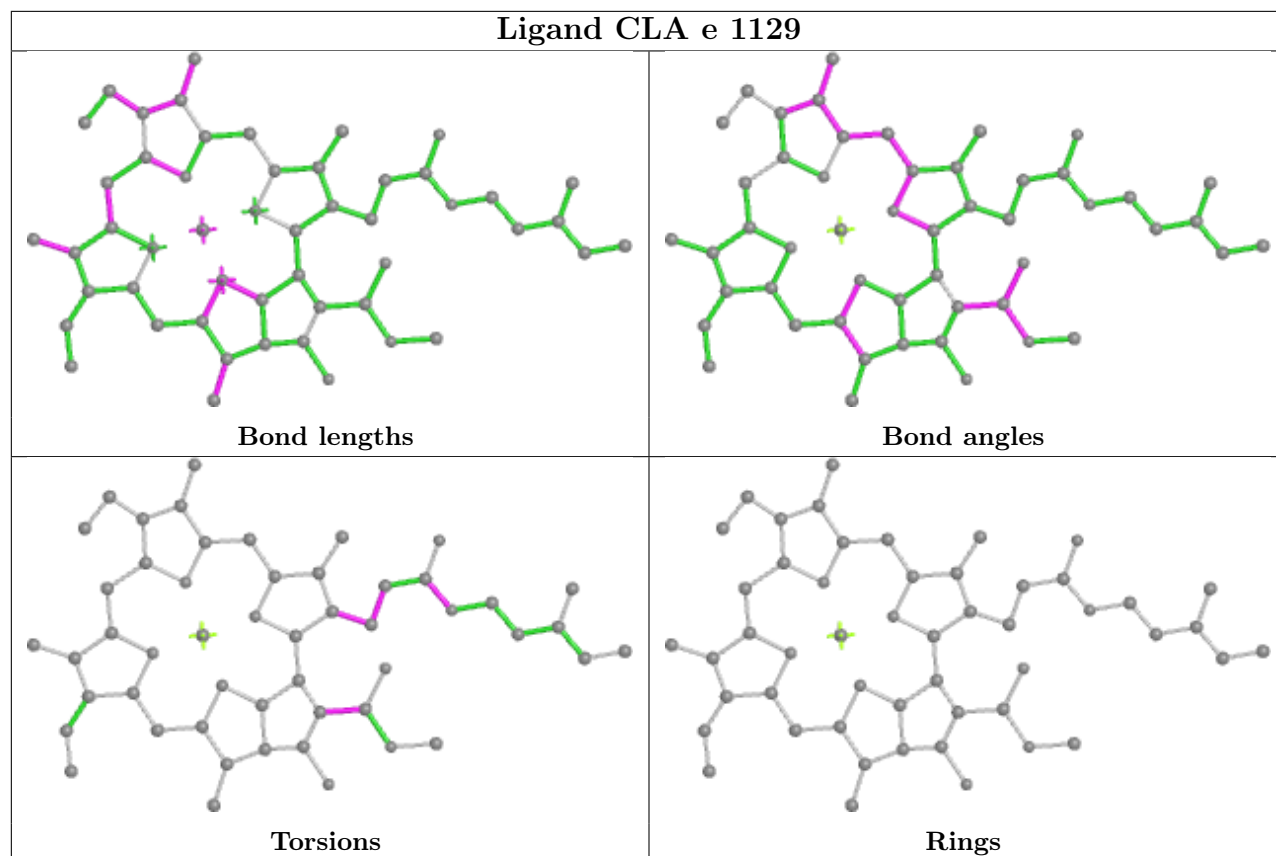


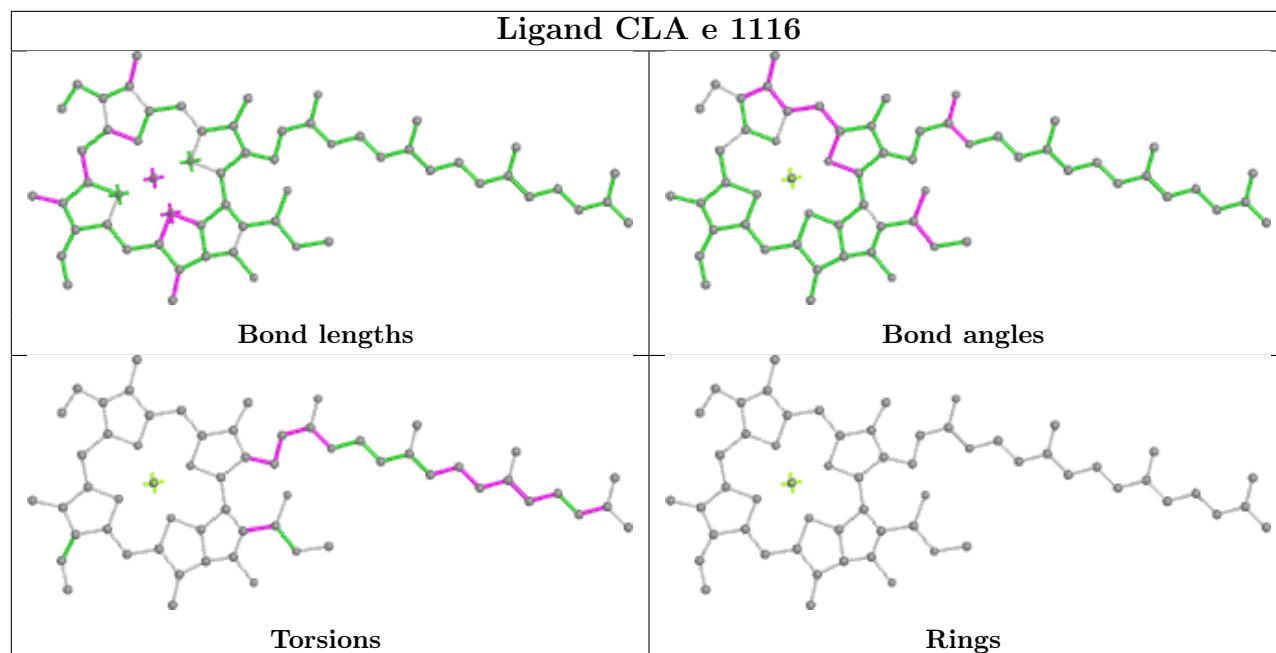












5.7 Other polymers [\(i\)](#)

There are no such residues in this entry.

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

There are no chain breaks in this entry.

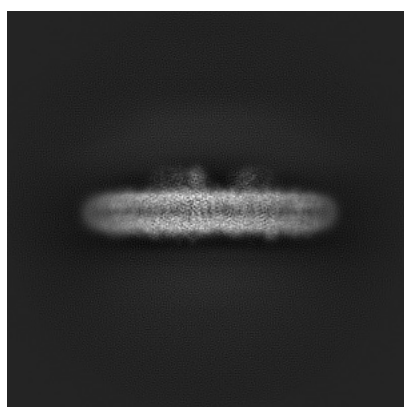
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-9995. These allow visual inspection of the internal detail of the map and identification of artifacts.

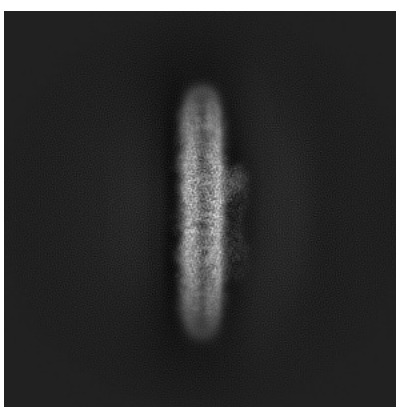
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections [i](#)

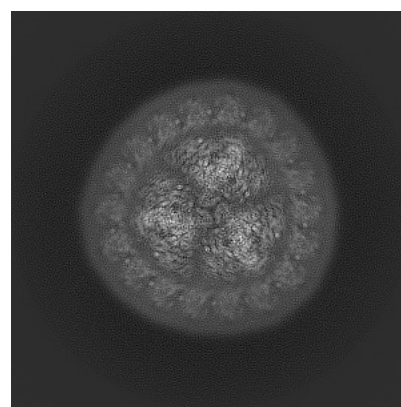
6.1.1 Primary map



X



Y

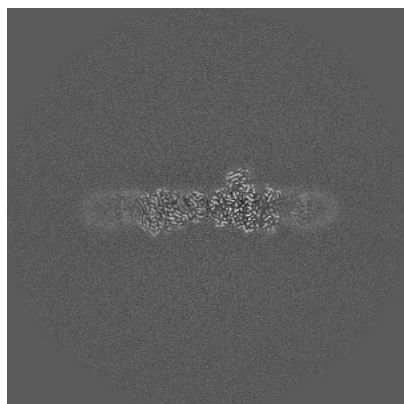


Z

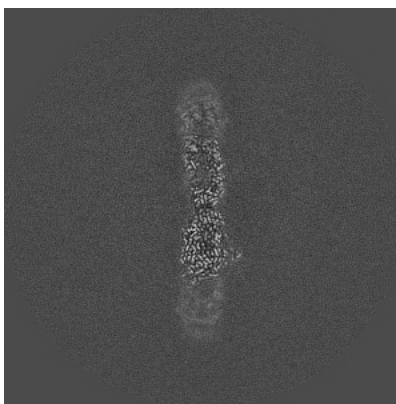
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

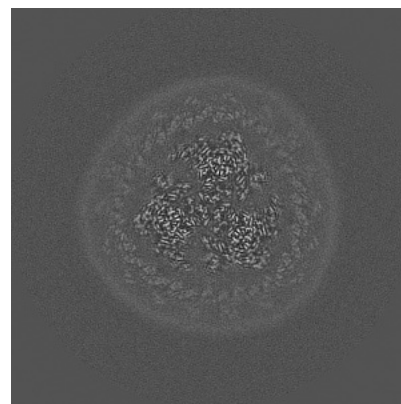
6.2.1 Primary map



X Index: 240



Y Index: 240

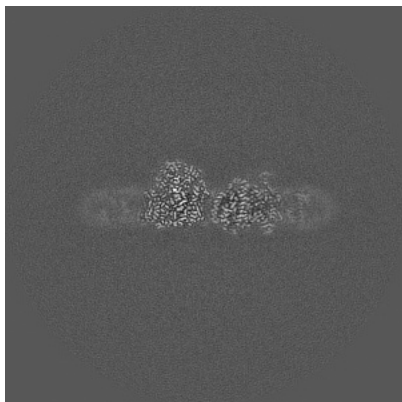


Z Index: 240

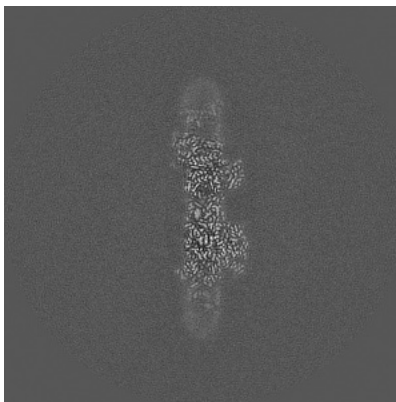
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

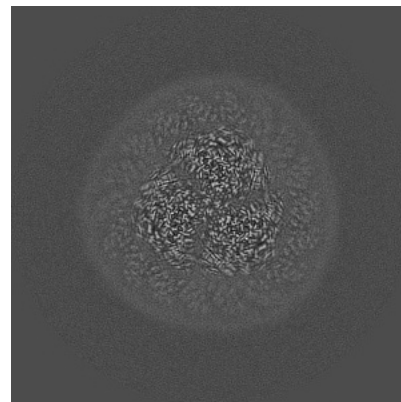
6.3.1 Primary map



X Index: 276



Y Index: 224

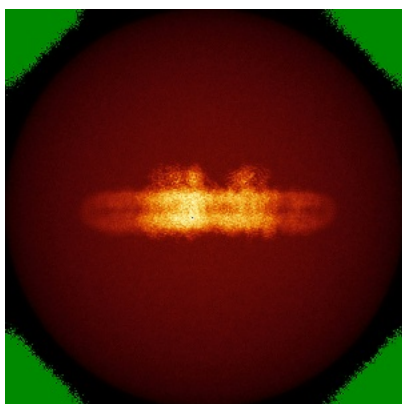


Z Index: 229

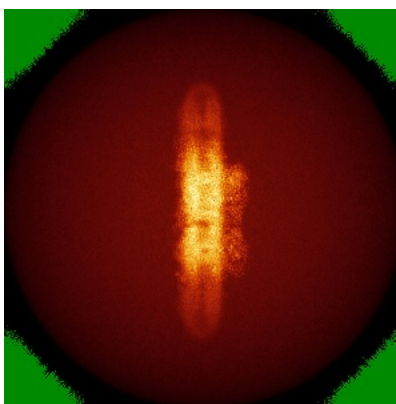
The images above show the largest variance slices of the map in three orthogonal directions.

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

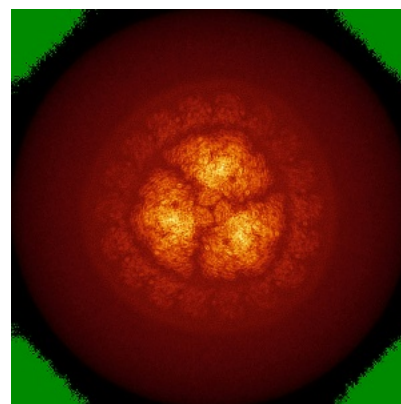
6.4.1 Primary map



X



Y

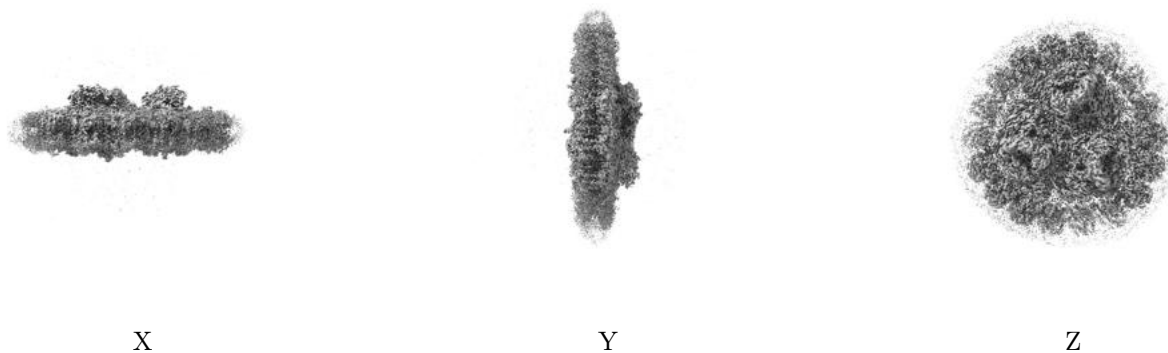


Z

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

6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.022. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

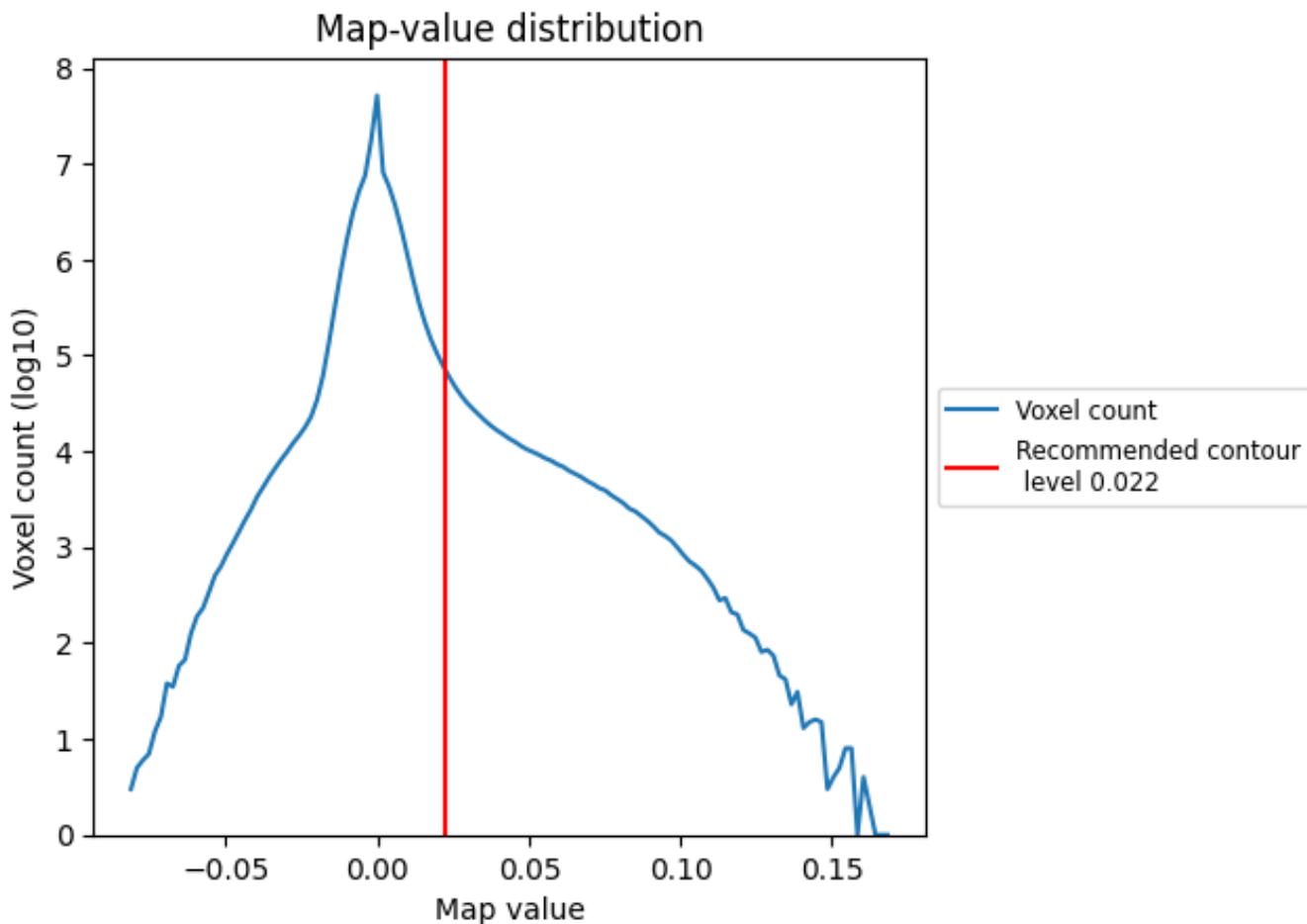
6.6 Mask visualisation [i](#)

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

7 Map analysis [i](#)

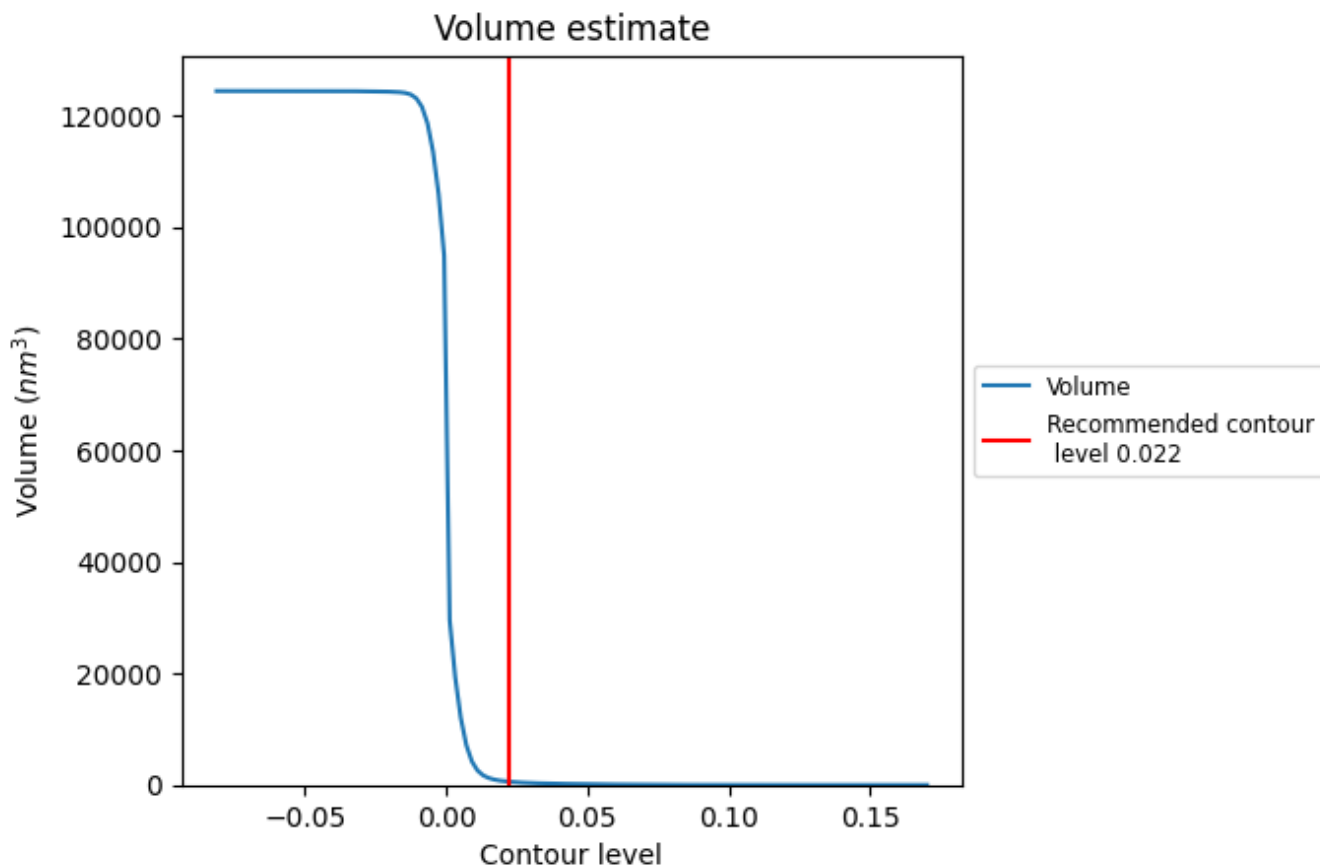
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



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

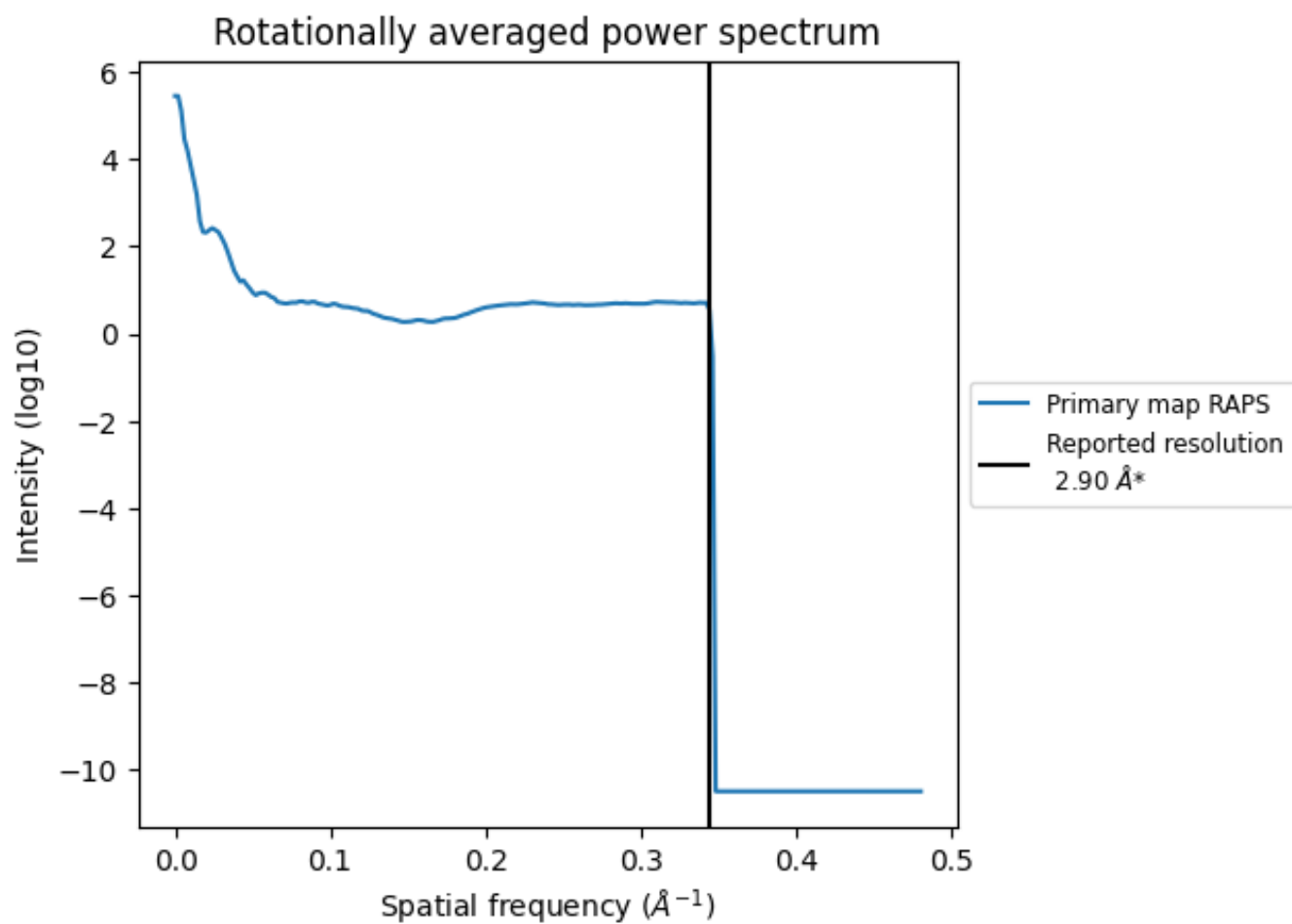
7.2 Volume estimate [\(i\)](#)



The volume at the recommended contour level is 595 nm^3 ; this corresponds to an approximate mass of 538 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 0.345 Å⁻¹

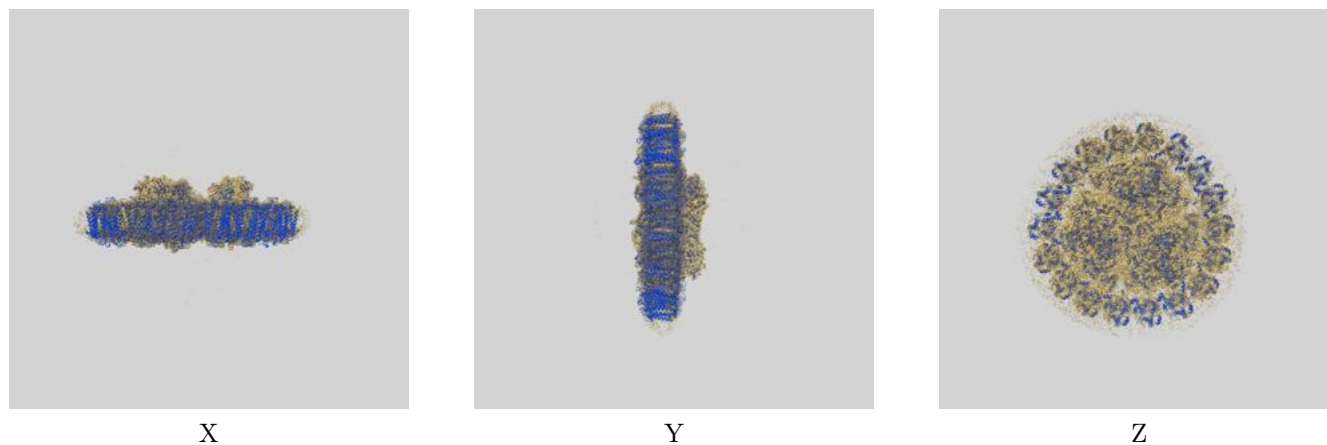
8 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

9 Map-model fit [i](#)

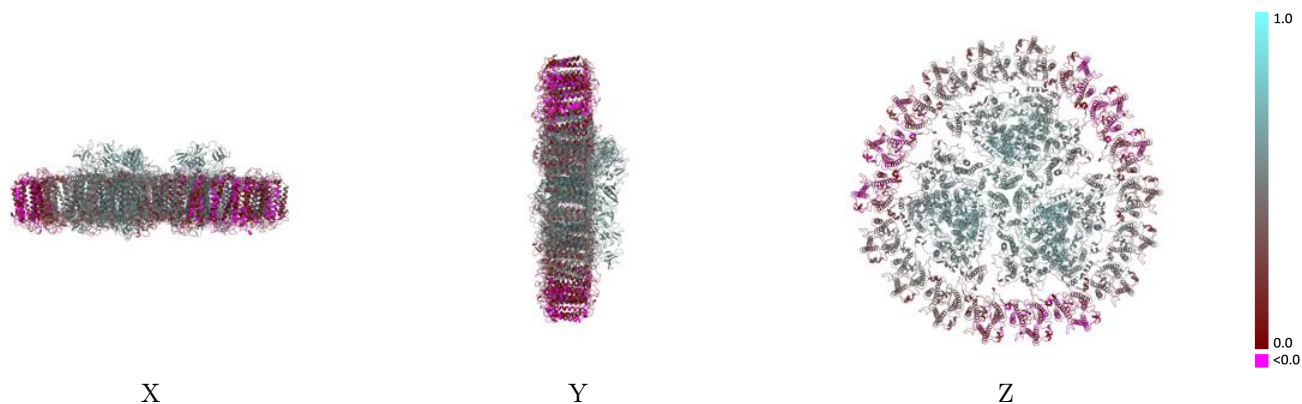
This section contains information regarding the fit between EMDB map EMD-9995 and PDB model 6KIG. Per-residue inclusion information can be found in section 3 on page 69.

9.1 Map-model overlay [i](#)



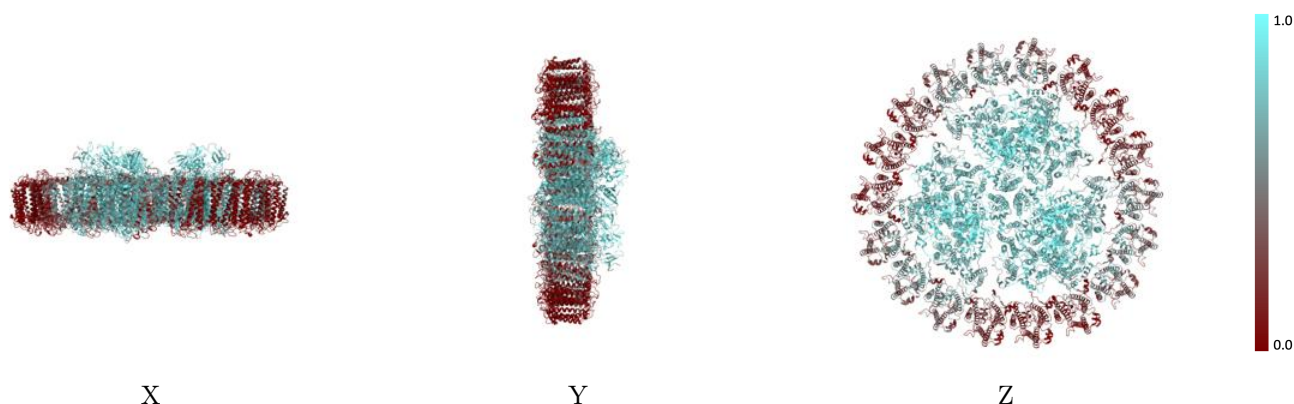
The images above show the 3D surface view of the map at the recommended contour level 0.022 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



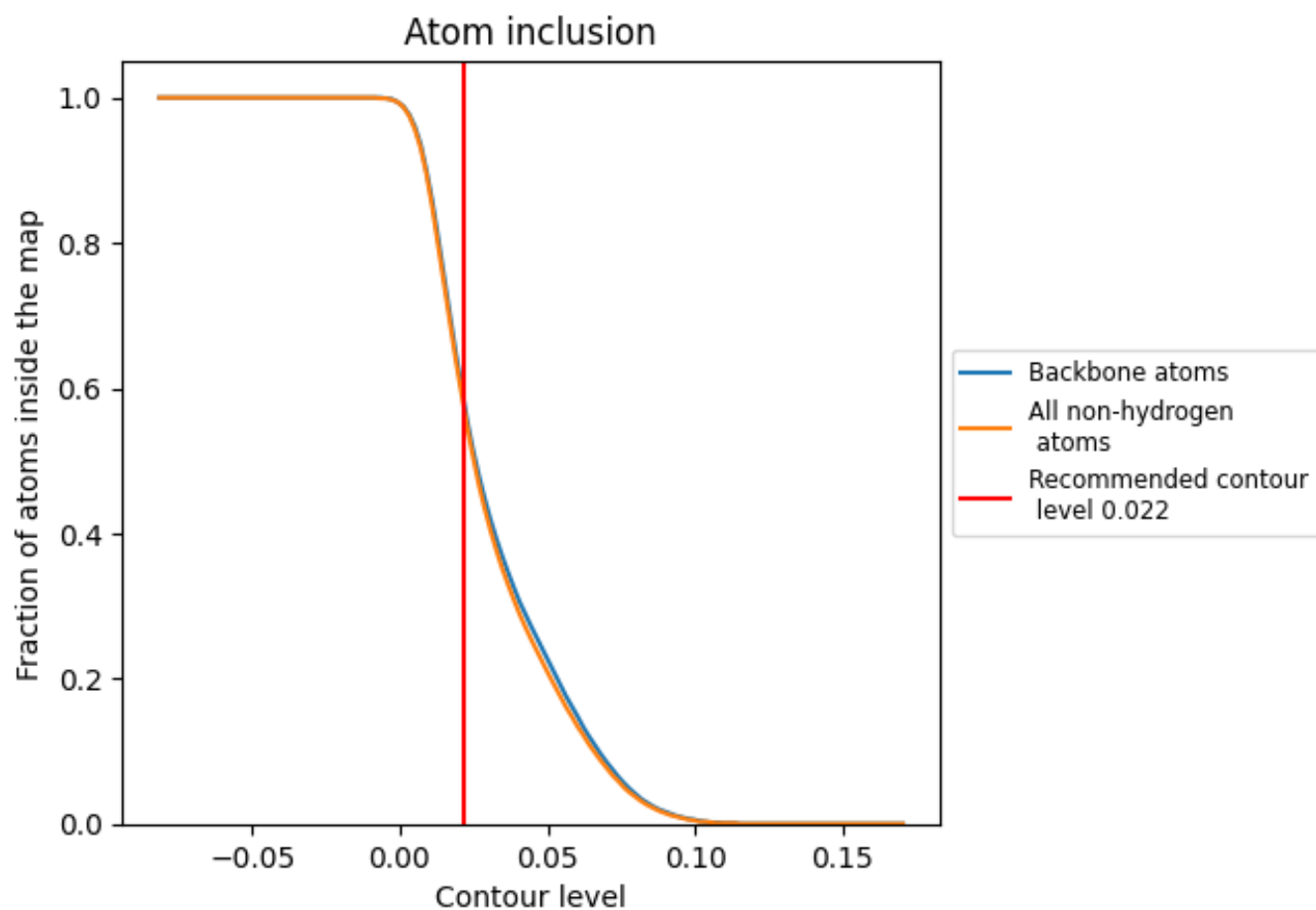
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (0.022).







































































9.4 Atom inclusion [i](#)



At the recommended contour level, 57% of all backbone atoms, 56% 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 (0.022) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.5650	 0.4190
1	 0.4070	 0.3640
2	 0.4700	 0.4180
3	 0.3900	 0.3830
4	 0.1070	 0.1410
5	 0.0560	 0.0860
6	 0.1520	 0.1850
A	 0.8490	 0.5780
B	 0.8270	 0.5450
C	 0.9420	 0.6070
D	 0.8580	 0.5770
E	 0.7870	 0.5410
F	 0.7470	 0.5290
G	 0.8450	 0.5770
H	 0.8160	 0.5370
I	 0.8330	 0.5720
J	 0.7550	 0.5460
K	 0.5870	 0.3890
L	 0.8650	 0.5930
M	 0.7980	 0.5290
N	 0.9450	 0.6070
O	 0.8590	 0.5780
Q	 0.7810	 0.5500
R	 0.7440	 0.5230
S	 0.8250	 0.5780
T	 0.7360	 0.5460
U	 0.5810	 0.3860
V	 0.8690	 0.5940
W	 0.7790	 0.5320
Y	 0.4060	 0.3660
Z	 0.4670	 0.4160
a	 0.3870	 0.3780
b	 0.1040	 0.1380
c	 0.0530	 0.0780
d	 0.1450	 0.1710



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Chain	Atom inclusion	Q-score
e	 0.8420	 0.5750
f	 0.8210	 0.5420
g	 0.9420	 0.6070
h	 0.8690	 0.5800
i	 0.7950	 0.5480
j	 0.7500	 0.5280
k	 0.8410	 0.5750
l	 0.7470	 0.5450
m	 0.5790	 0.3770
n	 0.8670	 0.5940
o	 0.7820	 0.5290
q	 0.3920	 0.3580
r	 0.4580	 0.4140
s	 0.3910	 0.3860
t	 0.1100	 0.1390
u	 0.0560	 0.0810
v	 0.1540	 0.1840