



Full wwPDB EM Validation Report ⓘ

Nov 15, 2022 – 05:35 AM JST

PDB ID : 6KIF
EMDB ID : EMD-9994
Title : Structure of cyanobacterial photosystem I-IsiA-flavodoxin 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 : 3.30 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.dev43
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ : 1.9.9
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.31.2

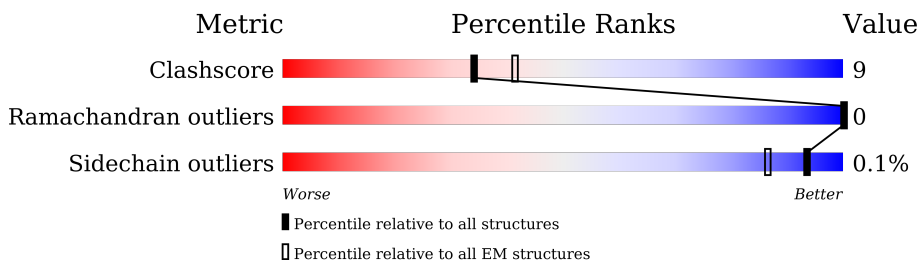
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 3.30 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)
Clashscore	158937	4297
Ramachandran outliers	154571	4023
Sidechain outliers	154315	3826

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	82% 16% .
1	G	763	82% 16% .
1	e	763	98% .
2	B	734	82% 17% .
2	H	734	83% 17% .
2	f	734	100% .
3	C	81	80% 19% .
3	N	81	79% 20% .

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Mol	Chain	Length	Quality of chain
3	g	81	99%
4	D	141	81% 19%
4	O	141	81% 19%
4	h	141	100%
5	E	75	11% 81% 13% 5%
5	Q	75	12% 84% 11% 5%
5	i	75	12% 95% 5%
6	F	159	75% 11% 14%
6	R	159	76% 9% 14%
6	j	159	86% 14%
7	I	38	8% 76% 24%
7	S	38	5% 84% 16%
7	k	38	8% 100%
8	J	41	5% 80% 20%
8	T	41	5% 80% 20%
8	l	41	5% 100%
9	K	84	19% 70% 23% 7%
9	U	84	23% 69% 24% 7%
9	m	84	15% 93% 7%
10	L	166	80% 19%
10	V	166	80% 19%
10	n	166	99%
11	M	29	79% 21%
11	W	29	86% 14%
11	o	29	100%

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Mol	Chain	Length	Quality of chain
12	P	172	58% 81% 17%
12	X	172	60% 83% 15%
12	p	172	58% 98%
13	1	342	64% 89% 10%
13	2	342	65% 85% 14%
13	3	342	76% 87% 12%
13	4	342	97% 81% 18%
13	5	342	98% 89% 10%
13	6	342	94% 81% 18%
13	Y	342	65% 88% 11%
13	Z	342	65% 85% 14%
13	a	342	78% 99%
13	b	342	97% 99%
13	c	342	98% 99%
13	d	342	93% 99%
13	q	342	64% 99%
13	r	342	65% 99%
13	s	342	75% 99%
13	t	342	96% 99%
13	u	342	98% 99%
13	v	342	93% 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
14	CLA	1	501	X	-	-	-
14	CLA	1	502	X	-	-	-

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

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

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	6	504	X	-	-	-
14	CLA	6	505	X	-	-	-
14	CLA	6	506	X	-	-	-
14	CLA	6	507	X	-	-	-
14	CLA	6	508	X	-	-	-
14	CLA	6	509	X	-	-	-
14	CLA	6	510	X	-	-	-
14	CLA	6	511	X	-	-	-
14	CLA	6	512	X	-	-	-
14	CLA	6	513	X	-	-	-
14	CLA	6	516	X	-	-	-
14	CLA	6	517	X	-	-	-
14	CLA	6	518	X	-	-	-
14	CLA	6	519	X	-	-	-
14	CLA	A	1011	X	-	-	-
14	CLA	A	1013	X	-	-	-
14	CLA	A	1022	X	-	-	-
14	CLA	A	1101	X	-	-	-
14	CLA	A	1102	X	-	-	-
14	CLA	A	1103	X	-	-	-
14	CLA	A	1104	X	-	-	-
14	CLA	A	1105	X	-	-	-
14	CLA	A	1106	X	-	-	-
14	CLA	A	1107	X	-	-	-
14	CLA	A	1108	X	-	-	-
14	CLA	A	1109	X	-	-	-
14	CLA	A	1110	X	-	-	-
14	CLA	A	1111	X	-	-	-
14	CLA	A	1112	X	-	-	-
14	CLA	A	1113	X	-	-	-
14	CLA	A	1114	X	-	-	-
14	CLA	A	1115	X	-	-	-
14	CLA	A	1116	X	-	-	-
14	CLA	A	1117	X	-	-	-
14	CLA	A	1118	X	-	-	-
14	CLA	A	1119	X	-	-	-
14	CLA	A	1120	X	-	-	-
14	CLA	A	1121	X	-	-	-
14	CLA	A	1122	X	-	-	-
14	CLA	A	1123	X	-	-	-
14	CLA	A	1124	X	-	-	-
14	CLA	A	1125	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	A	1126	X	-	-	-
14	CLA	A	1127	X	-	-	-
14	CLA	A	1128	X	-	-	-
14	CLA	A	1129	X	-	-	-
14	CLA	A	1130	X	-	-	-
14	CLA	A	1131	X	-	-	-
14	CLA	A	1132	X	-	-	-
14	CLA	A	1133	X	-	-	-
14	CLA	A	1134	X	-	-	-
14	CLA	A	1135	X	-	-	-
14	CLA	A	1136	X	-	-	-
14	CLA	A	1137	X	-	-	-
14	CLA	A	1138	X	-	-	-
14	CLA	A	1139	X	-	-	-
14	CLA	A	1140	X	-	-	-
14	CLA	A	1237	X	-	-	-
14	CLA	A	1801	X	-	-	-
14	CLA	B	1012	X	-	-	-
14	CLA	B	1021	X	-	-	-
14	CLA	B	1023	X	-	-	-
14	CLA	B	1201	X	-	-	-
14	CLA	B	1202	X	-	-	-
14	CLA	B	1203	X	-	-	-
14	CLA	B	1204	X	-	-	-
14	CLA	B	1205	X	-	-	-
14	CLA	B	1206	X	-	-	-
14	CLA	B	1207	X	-	-	-
14	CLA	B	1208	X	-	-	-
14	CLA	B	1209	X	-	-	-
14	CLA	B	1210	X	-	-	-
14	CLA	B	1211	X	-	-	-
14	CLA	B	1212	X	-	-	-
14	CLA	B	1213	X	-	-	-
14	CLA	B	1214	X	-	-	-
14	CLA	B	1215	X	-	-	-
14	CLA	B	1216	X	-	-	-
14	CLA	B	1217	X	-	-	-
14	CLA	B	1218	X	-	-	-
14	CLA	B	1219	X	-	-	-
14	CLA	B	1220	X	-	-	-
14	CLA	B	1221	X	-	-	-
14	CLA	B	1222	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B	1223	X	-	-	-
14	CLA	B	1224	X	-	-	-
14	CLA	B	1225	X	-	-	-
14	CLA	B	1226	X	-	-	-
14	CLA	B	1227	X	-	-	-
14	CLA	B	1228	X	-	-	-
14	CLA	B	1229	X	-	-	-
14	CLA	B	1230	X	-	-	-
14	CLA	B	1231	X	-	-	-
14	CLA	B	1232	X	-	-	-
14	CLA	B	1234	X	-	-	-
14	CLA	B	1235	X	-	-	-
14	CLA	B	1236	X	-	-	-
14	CLA	B	1238	X	-	-	-
14	CLA	B	1239	X	-	-	-
14	CLA	B	1240	X	-	-	-
14	CLA	F	1301	X	-	-	-
14	CLA	F	1302	X	-	-	-
14	CLA	G	1011	X	-	-	-
14	CLA	G	1013	X	-	-	-
14	CLA	G	1022	X	-	-	-
14	CLA	G	1101	X	-	-	-
14	CLA	G	1102	X	-	-	-
14	CLA	G	1103	X	-	-	-
14	CLA	G	1104	X	-	-	-
14	CLA	G	1105	X	-	-	-
14	CLA	G	1106	X	-	-	-
14	CLA	G	1107	X	-	-	-
14	CLA	G	1108	X	-	-	-
14	CLA	G	1109	X	-	-	-
14	CLA	G	1110	X	-	-	-
14	CLA	G	1111	X	-	-	-
14	CLA	G	1112	X	-	-	-
14	CLA	G	1113	X	-	-	-
14	CLA	G	1114	X	-	-	-
14	CLA	G	1115	X	-	-	-
14	CLA	G	1116	X	-	-	-
14	CLA	G	1117	X	-	-	-
14	CLA	G	1118	X	-	-	-
14	CLA	G	1119	X	-	-	-
14	CLA	G	1120	X	-	-	-
14	CLA	G	1121	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	G	1122	X	-	-	-
14	CLA	G	1123	X	-	-	-
14	CLA	G	1124	X	-	-	-
14	CLA	G	1125	X	-	-	-
14	CLA	G	1126	X	-	-	-
14	CLA	G	1127	X	-	-	-
14	CLA	G	1128	X	-	-	-
14	CLA	G	1129	X	-	-	-
14	CLA	G	1130	X	-	-	-
14	CLA	G	1131	X	-	-	-
14	CLA	G	1132	X	-	-	-
14	CLA	G	1133	X	-	-	-
14	CLA	G	1134	X	-	-	-
14	CLA	G	1135	X	-	-	-
14	CLA	G	1136	X	-	-	-
14	CLA	G	1137	X	-	-	-
14	CLA	G	1138	X	-	-	-
14	CLA	G	1139	X	-	-	-
14	CLA	G	1140	X	-	-	-
14	CLA	G	1237	X	-	-	-
14	CLA	G	1801	X	-	-	-
14	CLA	H	1012	X	-	-	-
14	CLA	H	1021	X	-	-	-
14	CLA	H	1023	X	-	-	-
14	CLA	H	1201	X	-	-	-
14	CLA	H	1202	X	-	-	-
14	CLA	H	1203	X	-	-	-
14	CLA	H	1204	X	-	-	-
14	CLA	H	1205	X	-	-	-
14	CLA	H	1206	X	-	-	-
14	CLA	H	1207	X	-	-	-
14	CLA	H	1208	X	-	-	-
14	CLA	H	1209	X	-	-	-
14	CLA	H	1210	X	-	-	-
14	CLA	H	1211	X	-	-	-
14	CLA	H	1212	X	-	-	-
14	CLA	H	1213	X	-	-	-
14	CLA	H	1214	X	-	-	-
14	CLA	H	1215	X	-	-	-
14	CLA	H	1216	X	-	-	-
14	CLA	H	1217	X	-	-	-
14	CLA	H	1218	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	H	1219	X	-	-	-
14	CLA	H	1220	X	-	-	-
14	CLA	H	1221	X	-	-	-
14	CLA	H	1222	X	-	-	-
14	CLA	H	1223	X	-	-	-
14	CLA	H	1224	X	-	-	-
14	CLA	H	1225	X	-	-	-
14	CLA	H	1226	X	-	-	-
14	CLA	H	1227	X	-	-	-
14	CLA	H	1228	X	-	-	-
14	CLA	H	1229	X	-	-	-
14	CLA	H	1230	X	-	-	-
14	CLA	H	1231	X	-	-	-
14	CLA	H	1232	X	-	-	-
14	CLA	H	1234	X	-	-	-
14	CLA	H	1235	X	-	-	-
14	CLA	H	1236	X	-	-	-
14	CLA	H	1238	X	-	-	-
14	CLA	H	1239	X	-	-	-
14	CLA	H	1240	X	-	-	-
14	CLA	J	1302	X	-	-	-
14	CLA	J	1303	X	-	-	-
14	CLA	K	1103	X	-	-	-
14	CLA	K	1105	X	-	-	-
14	CLA	K	1401	X	-	-	-
14	CLA	L	1501	X	-	-	-
14	CLA	L	1502	X	-	-	-
14	CLA	L	1503	X	-	-	-
14	CLA	R	1301	X	-	-	-
14	CLA	R	1302	X	-	-	-
14	CLA	T	1302	X	-	-	-
14	CLA	T	1303	X	-	-	-
14	CLA	U	1103	X	-	-	-
14	CLA	U	1105	X	-	-	-
14	CLA	U	1401	X	-	-	-
14	CLA	V	1501	X	-	-	-
14	CLA	V	1502	X	-	-	-
14	CLA	V	1503	X	-	-	-
14	CLA	Y	501	X	-	-	-
14	CLA	Y	502	X	-	-	-
14	CLA	Y	503	X	-	-	-
14	CLA	Y	504	X	-	-	-

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

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

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	d	506	X	-	-	-
14	CLA	d	507	X	-	-	-
14	CLA	d	508	X	-	-	-
14	CLA	d	509	X	-	-	-
14	CLA	d	510	X	-	-	-
14	CLA	d	511	X	-	-	-
14	CLA	d	512	X	-	-	-
14	CLA	d	513	X	-	-	-
14	CLA	d	516	X	-	-	-
14	CLA	d	517	X	-	-	-
14	CLA	d	518	X	-	-	-
14	CLA	d	519	X	-	-	-
14	CLA	e	1011	X	-	-	-
14	CLA	e	1013	X	-	-	-
14	CLA	e	1022	X	-	-	-
14	CLA	e	1101	X	-	-	-
14	CLA	e	1102	X	-	-	-
14	CLA	e	1103	X	-	-	-
14	CLA	e	1104	X	-	-	-
14	CLA	e	1105	X	-	-	-
14	CLA	e	1106	X	-	-	-
14	CLA	e	1107	X	-	-	-
14	CLA	e	1108	X	-	-	-
14	CLA	e	1109	X	-	-	-
14	CLA	e	1110	X	-	-	-
14	CLA	e	1111	X	-	-	-
14	CLA	e	1112	X	-	-	-
14	CLA	e	1113	X	-	-	-
14	CLA	e	1114	X	-	-	-
14	CLA	e	1115	X	-	-	-
14	CLA	e	1116	X	-	-	-
14	CLA	e	1117	X	-	-	-
14	CLA	e	1118	X	-	-	-
14	CLA	e	1119	X	-	-	-
14	CLA	e	1120	X	-	-	-
14	CLA	e	1121	X	-	-	-
14	CLA	e	1122	X	-	-	-
14	CLA	e	1123	X	-	-	-
14	CLA	e	1124	X	-	-	-
14	CLA	e	1125	X	-	-	-
14	CLA	e	1126	X	-	-	-
14	CLA	e	1127	X	-	-	-

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

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	f	1225	X	-	-	-
14	CLA	f	1226	X	-	-	-
14	CLA	f	1227	X	-	-	-
14	CLA	f	1228	X	-	-	-
14	CLA	f	1229	X	-	-	-
14	CLA	f	1230	X	-	-	-
14	CLA	f	1231	X	-	-	-
14	CLA	f	1232	X	-	-	-
14	CLA	f	1234	X	-	-	-
14	CLA	f	1235	X	-	-	-
14	CLA	f	1236	X	-	-	-
14	CLA	f	1238	X	-	-	-
14	CLA	f	1239	X	-	-	-
14	CLA	f	1240	X	-	-	-
14	CLA	j	1301	X	-	-	-
14	CLA	j	1302	X	-	-	-
14	CLA	l	1302	X	-	-	-
14	CLA	l	1303	X	-	-	-
14	CLA	m	1103	X	-	-	-
14	CLA	m	1105	X	-	-	-
14	CLA	m	1401	X	-	-	-
14	CLA	n	1501	X	-	-	-
14	CLA	n	1502	X	-	-	-
14	CLA	n	1503	X	-	-	-
14	CLA	q	501	X	-	-	-
14	CLA	q	502	X	-	-	-
14	CLA	q	503	X	-	-	-
14	CLA	q	504	X	-	-	-
14	CLA	q	505	X	-	-	-
14	CLA	q	506	X	-	-	-
14	CLA	q	507	X	-	-	-
14	CLA	q	508	X	-	-	-
14	CLA	q	509	X	-	-	-
14	CLA	q	510	X	-	-	-
14	CLA	q	511	X	-	-	-
14	CLA	q	512	X	-	-	-
14	CLA	q	513	X	-	-	-
14	CLA	q	516	X	-	-	-
14	CLA	q	517	X	-	-	-
14	CLA	q	518	X	-	-	-
14	CLA	q	519	X	-	-	-
14	CLA	r	501	X	-	-	-

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

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

2 Entry composition [i](#)

There are 23 unique types of molecules in this entry. The entry contains 144312 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 Flavodoxin.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	P	169	Total	C	N	O	S	0	0
			1318	831	210	275	2		
12	X	169	Total	C	N	O	S	0	0
			1318	831	210	275	2		
12	p	169	Total	C	N	O	S	0	0
			1318	831	210	275	2		

There are 9 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
P	-2	GLY	-	expression tag	UNP P10340
P	-1	SER	-	expression tag	UNP P10340
P	0	HIS	-	expression tag	UNP P10340
X	-2	GLY	-	expression tag	UNP P10340
X	-1	SER	-	expression tag	UNP P10340
X	0	HIS	-	expression tag	UNP P10340
p	-2	GLY	-	expression tag	UNP P10340
p	-1	SER	-	expression tag	UNP P10340
p	0	HIS	-	expression tag	UNP P10340

- Molecule 13 is a protein called Iron stress-induced chlorophyll-binding protein.

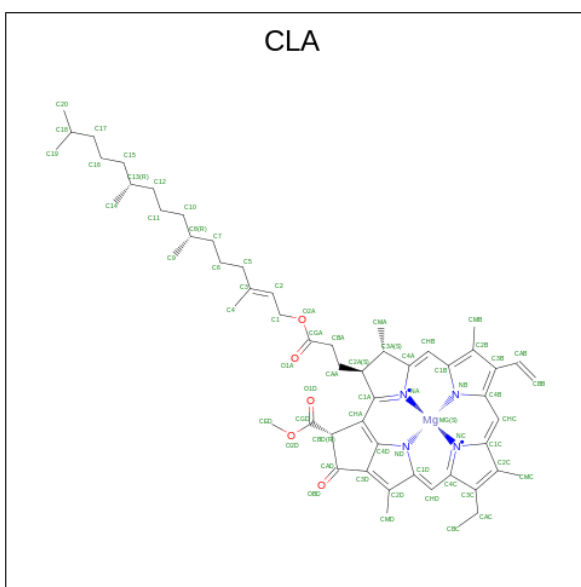
Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
13	1	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	2	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	3	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	4	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	5	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	6	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	Y	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	Z	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	a	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	b	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	c	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	d	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	q	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	r	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
13	s	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	t	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	u	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		
13	v	339	Total	C	N	O	S	0	0
			2605	1722	428	448	7		

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



Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	A	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	A	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	A	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	A	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	A	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	A	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	B	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	B	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	B	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	B	1	Total 2515	C 2105	Mg 41	N 164	O 205	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	B	1	2515	2105	41	164	205	0
14	F	1	90	70	2	8	10	0
14	F	1	90	70	2	8	10	0
14	J	1	100	80	2	8	10	0
14	J	1	100	80	2	8	10	0
14	K	1	148	118	3	12	15	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	K	1	Total 148	C 118	Mg 3	N 12	O 15	0
14	K	1	Total 148	C 118	Mg 3	N 12	O 15	0
14	L	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	L	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	L	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	1	1	Total 765	C 595	Mg 17	N 68	O 85	0

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Mol	Chain	Residues	Atoms					AltConf
14	1	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	2	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	3	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	4	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	5	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	6	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	6	1	785	615	17	68	85	0
14	6	1	785	615	17	68	85	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0
14	G	1	2712	2262	45	180	225	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	G	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	H	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	R	1	Total 90	C 70	Mg 2	N 8	O 10	0
14	R	1	Total 90	C 70	Mg 2	N 8	O 10	0
14	T	1	Total 100	C 80	Mg 2	N 8	O 10	0
14	T	1	Total 100	C 80	Mg 2	N 8	O 10	0
14	U	1	Total 148	C 118	Mg 3	N 12	O 15	0
14	U	1	Total 148	C 118	Mg 3	N 12	O 15	0
14	U	1	Total 148	C 118	Mg 3	N 12	O 15	0
14	V	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	V	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	V	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	Y	1	Total 765	C 595	Mg 17	N 68	O 85	0

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Mol	Chain	Residues	Atoms					AltConf
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Y	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	Z	1	Total	C	Mg	N	O	0
			850	680	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	a	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	b	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	c	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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Mol	Chain	Residues	Atoms					AltConf
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	d	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	

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Mol	Chain	Residues	Atoms					AltConf
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	
14	e	1	Total	C	Mg	N	O	0
			2712	2262	45	180	225	

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	e	1	Total 2712	C 2262	Mg 45	N 180	O 225	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0
14	f	1	Total 2515	C 2105	Mg 41	N 164	O 205	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	f	1	2515	2105	41	164	205	0
14	j	1	90	70	2	8	10	0
14	j	1	90	70	2	8	10	0
14	l	1	100	80	2	8	10	0
14	l	1	100	80	2	8	10	0
14	m	1	148	118	3	12	15	0
14	m	1	148	118	3	12	15	0
14	m	1	148	118	3	12	15	0
14	n	1	185	155	3	12	15	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	n	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	n	1	Total 185	C 155	Mg 3	N 12	O 15	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	q	1	Total 765	C 595	Mg 17	N 68	O 85	0
14	r	1	Total 850	C 680	Mg 17	N 68	O 85	0
14	r	1	Total 850	C 680	Mg 17	N 68	O 85	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	r	1	850	680	17	68	85	0
14	s	1	785	615	17	68	85	0
14	s	1	785	615	17	68	85	0
14	s	1	785	615	17	68	85	0
14	s	1	785	615	17	68	85	0
14	s	1	785	615	17	68	85	0
14	s	1	785	615	17	68	85	0

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Mol	Chain	Residues	Atoms					AltConf
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	s	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	

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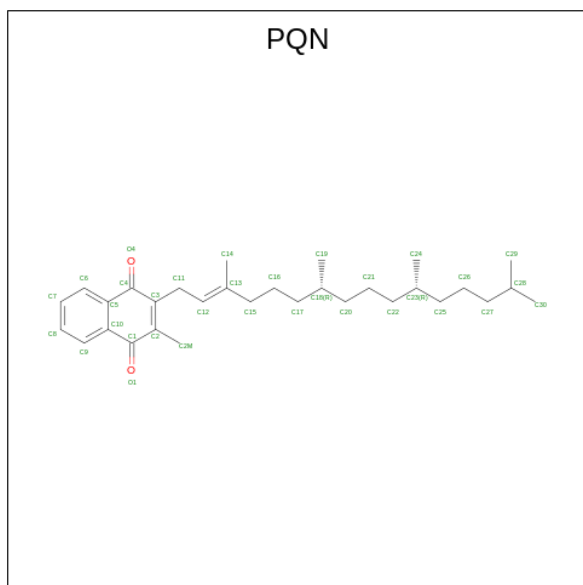
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14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	t	1	Total	C	Mg	N	O	0
			765	595	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

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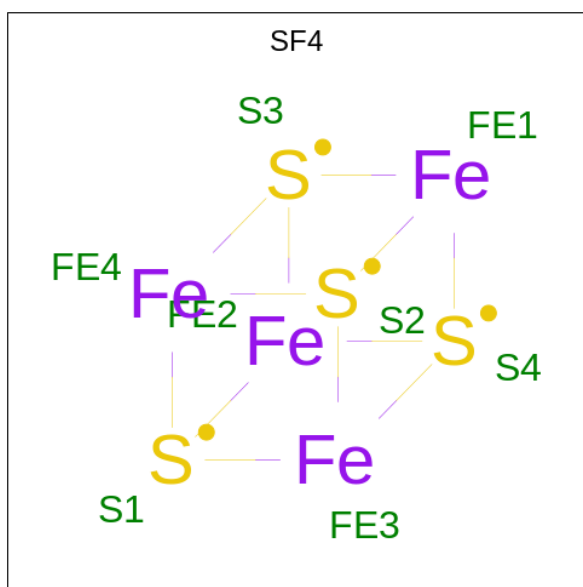
Mol	Chain	Residues	Atoms					AltConf
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	u	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	
14	v	1	Total	C	Mg	N	O	0
			785	615	17	68	85	

- Molecule 15 is PHYLLOQUINONE (three-letter code: PQN) (formula: C₃₁H₄₆O₂).



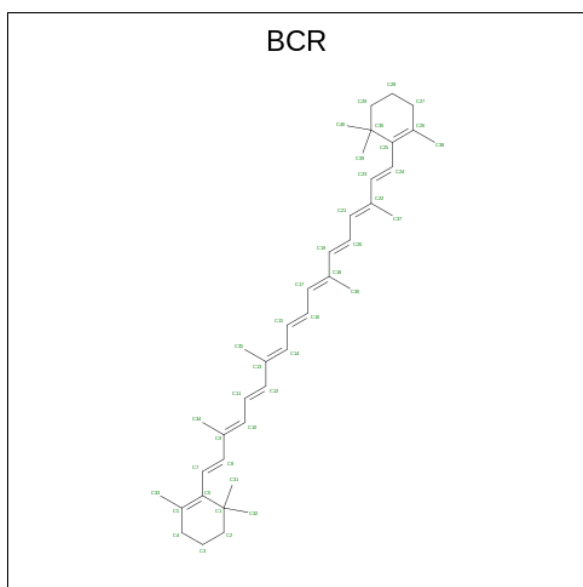
Mol	Chain	Residues	Atoms			AltConf
15	A	1	Total	C	O	0
			33	31	2	
15	B	1	Total	C	O	0
			33	31	2	
15	G	1	Total	C	O	0
			33	31	2	
15	H	1	Total	C	O	0
			33	31	2	
15	e	1	Total	C	O	0
			33	31	2	
15	f	1	Total	C	O	0
			33	31	2	

- Molecule 16 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			AltConf
			Total	Fe	S	
16	A	1	8	4	4	0
16	C	1	16	8	8	0
16	C	1	16	8	8	0
16	G	1	8	4	4	0
16	N	1	16	8	8	0
16	N	1	16	8	8	0
16	e	1	8	4	4	0
16	g	1	16	8	8	0
16	g	1	16	8	8	0

- Molecule 17 is BETA-CAROTENE (three-letter code: BCR) (formula: C₄₀H₅₆).



Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total C 240 240	0
17	A	1	Total C 240 240	0
17	A	1	Total C 240 240	0
17	A	1	Total C 240 240	0
17	A	1	Total C 240 240	0
17	A	1	Total C 240 240	0
17	B	1	Total C 280 280	0
17	B	1	Total C 280 280	0
17	B	1	Total C 280 280	0
17	B	1	Total C 280 280	0
17	B	1	Total C 280 280	0
17	B	1	Total C 280 280	0
17	B	1	Total C 280 280	0
17	F	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms		AltConf
17	I	1	Total 40	C 40	0
17	J	1	Total 120	C 120	0
17	J	1	Total 120	C 120	0
17	J	1	Total 120	C 120	0
17	K	1	Total 40	C 40	0
17	L	1	Total 160	C 160	0
17	L	1	Total 160	C 160	0
17	L	1	Total 160	C 160	0
17	L	1	Total 160	C 160	0
17	M	1	Total 40	C 40	0
17	1	1	Total 160	C 160	0
17	1	1	Total 160	C 160	0
17	1	1	Total 160	C 160	0
17	1	1	Total 160	C 160	0
17	2	1	Total 160	C 160	0
17	2	1	Total 160	C 160	0
17	2	1	Total 160	C 160	0
17	2	1	Total 160	C 160	0
17	3	1	Total 160	C 160	0
17	3	1	Total 160	C 160	0
17	3	1	Total 160	C 160	0

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Mol	Chain	Residues	Atoms		AltConf
17	3	1	Total 160	C 160	0
17	4	1	Total 160	C 160	0
17	4	1	Total 160	C 160	0
17	4	1	Total 160	C 160	0
17	4	1	Total 160	C 160	0
17	5	1	Total 160	C 160	0
17	5	1	Total 160	C 160	0
17	5	1	Total 160	C 160	0
17	5	1	Total 160	C 160	0
17	6	1	Total 160	C 160	0
17	6	1	Total 160	C 160	0
17	6	1	Total 160	C 160	0
17	6	1	Total 160	C 160	0
17	G	1	Total 240	C 240	0
17	G	1	Total 240	C 240	0
17	G	1	Total 240	C 240	0
17	G	1	Total 240	C 240	0
17	G	1	Total 240	C 240	0
17	G	1	Total 240	C 240	0
17	H	1	Total 280	C 280	0
17	H	1	Total 280	C 280	0

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Mol	Chain	Residues	Atoms		AltConf
17	H	1	Total 280	C 280	0
17	H	1	Total 280	C 280	0
17	H	1	Total 280	C 280	0
17	H	1	Total 280	C 280	0
17	H	1	Total 280	C 280	0
17	R	1	Total 40	C 40	0
17	S	1	Total 40	C 40	0
17	T	1	Total 120	C 120	0
17	T	1	Total 120	C 120	0
17	T	1	Total 120	C 120	0
17	U	1	Total 40	C 40	0
17	V	1	Total 160	C 160	0
17	V	1	Total 160	C 160	0
17	V	1	Total 160	C 160	0
17	V	1	Total 160	C 160	0
17	W	1	Total 40	C 40	0
17	Y	1	Total 160	C 160	0
17	Y	1	Total 160	C 160	0
17	Y	1	Total 160	C 160	0
17	Y	1	Total 160	C 160	0
17	Z	1	Total 160	C 160	0

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Mol	Chain	Residues	Atoms		AltConf
17	Z	1	Total 160	C 160	0
17	Z	1	Total 160	C 160	0
17	Z	1	Total 160	C 160	0
17	a	1	Total 160	C 160	0
17	a	1	Total 160	C 160	0
17	a	1	Total 160	C 160	0
17	a	1	Total 160	C 160	0
17	b	1	Total 160	C 160	0
17	b	1	Total 160	C 160	0
17	b	1	Total 160	C 160	0
17	b	1	Total 160	C 160	0
17	c	1	Total 160	C 160	0
17	c	1	Total 160	C 160	0
17	c	1	Total 160	C 160	0
17	c	1	Total 160	C 160	0
17	d	1	Total 160	C 160	0
17	d	1	Total 160	C 160	0
17	d	1	Total 160	C 160	0
17	d	1	Total 160	C 160	0
17	e	1	Total 240	C 240	0
17	e	1	Total 240	C 240	0

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Mol	Chain	Residues	Atoms		AltConf
17	e	1	Total 240	C 240	0
17	e	1	Total 240	C 240	0
17	e	1	Total 240	C 240	0
17	e	1	Total 240	C 240	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	f	1	Total 280	C 280	0
17	j	1	Total 40	C 40	0
17	k	1	Total 40	C 40	0
17	l	1	Total 120	C 120	0
17	l	1	Total 120	C 120	0
17	l	1	Total 120	C 120	0
17	m	1	Total 40	C 40	0
17	n	1	Total 160	C 160	0
17	n	1	Total 160	C 160	0
17	n	1	Total 160	C 160	0
17	n	1	Total 160	C 160	0

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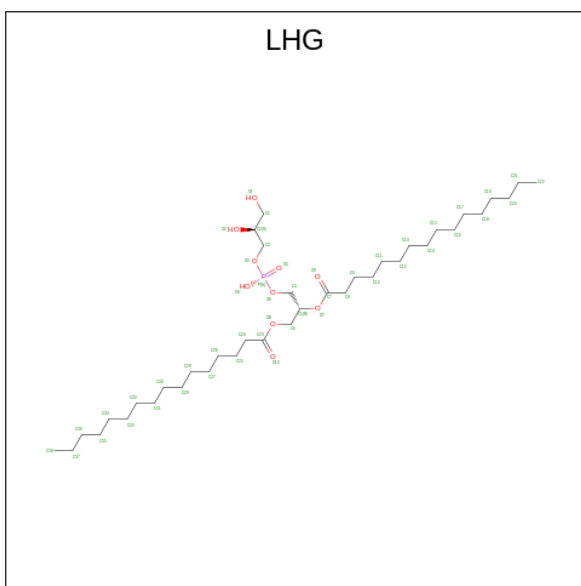
Mol	Chain	Residues	Atoms		AltConf
17	o	1	Total 40	C 40	0
17	q	1	Total 160	C 160	0
17	q	1	Total 160	C 160	0
17	q	1	Total 160	C 160	0
17	q	1	Total 160	C 160	0
17	r	1	Total 160	C 160	0
17	r	1	Total 160	C 160	0
17	r	1	Total 160	C 160	0
17	r	1	Total 160	C 160	0
17	s	1	Total 160	C 160	0
17	s	1	Total 160	C 160	0
17	s	1	Total 160	C 160	0
17	s	1	Total 160	C 160	0
17	t	1	Total 160	C 160	0
17	t	1	Total 160	C 160	0
17	t	1	Total 160	C 160	0
17	t	1	Total 160	C 160	0
17	u	1	Total 160	C 160	0
17	u	1	Total 160	C 160	0
17	u	1	Total 160	C 160	0
17	u	1	Total 160	C 160	0

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Mol	Chain	Residues	Atoms		AltConf
17	v	1	Total	C	0
			160	160	
17	v	1	Total	C	0
			160	160	
17	v	1	Total	C	0
			160	160	
17	v	1	Total	C	0
			160	160	

- Molecule 18 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{75}O_{10}P$).



Mol	Chain	Residues	Atoms				AltConf
18	A	1	Total	C	O	P	0
			374	275	90	9	
18	A	1	Total	C	O	P	0
			374	275	90	9	
18	A	1	Total	C	O	P	0
			374	275	90	9	
18	A	1	Total	C	O	P	0
			374	275	90	9	
18	A	1	Total	C	O	P	0
			374	275	90	9	
18	A	1	Total	C	O	P	0
			374	275	90	9	

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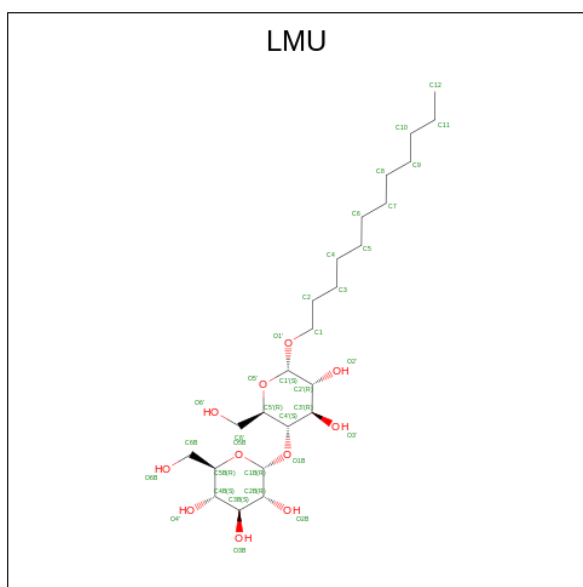
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
18	A	1	374	275	90	9	0
18	A	1	374	275	90	9	0
18	B	1	78	56	20	2	0
18	B	1	78	56	20	2	0
18	I	1	48	37	10	1	0
18	L	1	127	94	30	3	0
18	L	1	127	94	30	3	0
18	L	1	127	94	30	3	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	G	1	374	275	90	9	0
18	H	1	78	56	20	2	0
18	H	1	78	56	20	2	0
18	S	1	48	37	10	1	0
18	V	1	127	94	30	3	0

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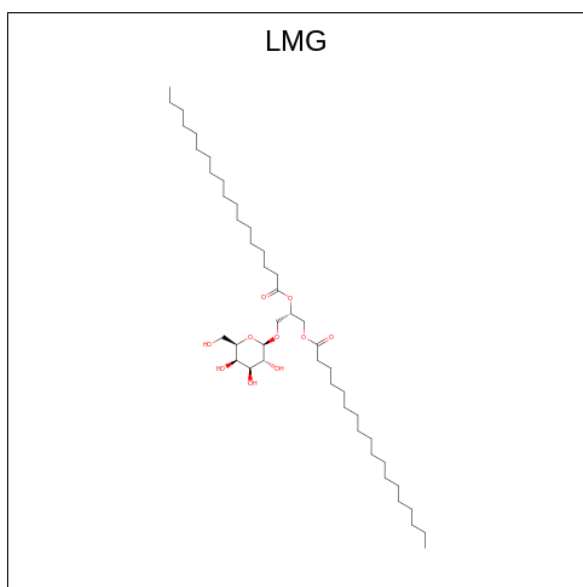
Mol	Chain	Residues	Atoms				AltConf
18	V	1	Total	C	O	P	0
			127	94	30	3	
18	V	1	Total	C	O	P	0
			127	94	30	3	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	e	1	Total	C	O	P	0
			374	275	90	9	
18	f	1	Total	C	O	P	0
			78	56	20	2	
18	f	1	Total	C	O	P	0
			78	56	20	2	
18	k	1	Total	C	O	P	0
			48	37	10	1	
18	n	1	Total	C	O	P	0
			127	94	30	3	
18	n	1	Total	C	O	P	0
			127	94	30	3	
18	n	1	Total	C	O	P	0
			127	94	30	3	

- Molecule 19 is DODECYL-ALPHA-D-MALTOSIDE (three-letter code: LMU) (formula: $C_{24}H_{46}O_{11}$).



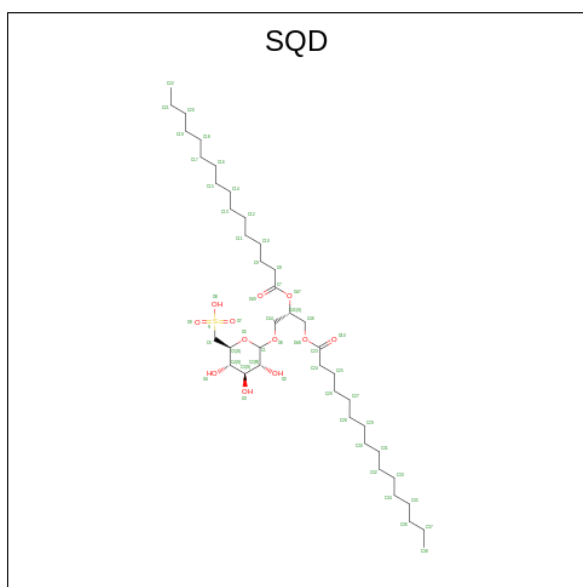
Mol	Chain	Residues	Atoms			AltConf
19	A	1	Total	C	O	0
			58	41	17	
19	A	1	Total	C	O	0
			58	41	17	
19	B	1	Total	C	O	0
			35	24	11	
19	J	1	Total	C	O	0
			22	16	6	
19	G	1	Total	C	O	0
			58	41	17	
19	G	1	Total	C	O	0
			58	41	17	
19	H	1	Total	C	O	0
			35	24	11	
19	T	1	Total	C	O	0
			22	16	6	
19	e	1	Total	C	O	0
			58	41	17	
19	e	1	Total	C	O	0
			58	41	17	
19	f	1	Total	C	O	0
			35	24	11	
19	l	1	Total	C	O	0
			22	16	6	

- Molecule 20 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula: C₄₅H₈₆O₁₀).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
20	B	1	53	43	10	0
20	J	1	32	22	10	0
20	H	1	53	43	10	0
20	T	1	32	22	10	0
20	f	1	53	43	10	0
20	l	1	32	22	10	0

- Molecule 21 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSYL]-SN-GLYCEROL (three-letter code: SQD) (formula: $C_{41}H_{78}O_{12}S$).



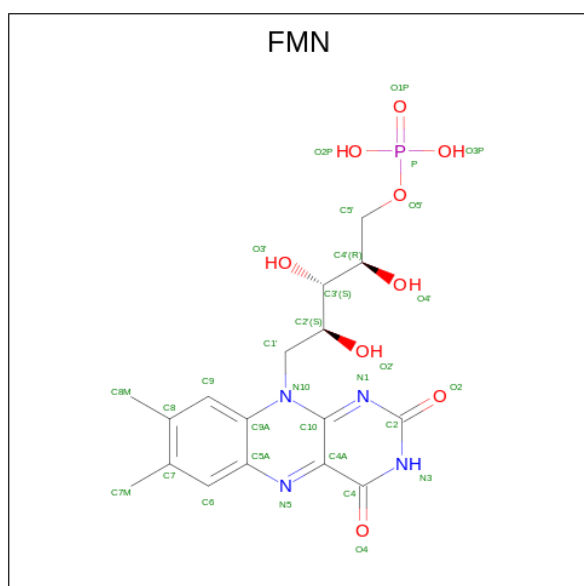
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	S	
21	B	1	40	27	12	1	0
21	L	1	46	33	12	1	0
21	1	1	32	19	12	1	0
21	2	1	28	15	12	1	0
21	3	1	28	15	12	1	0
21	4	1	26	13	12	1	0
21	5	1	26	13	12	1	0
21	6	1	26	13	12	1	0
21	H	1	40	27	12	1	0
21	V	1	46	33	12	1	0
21	Y	1	32	19	12	1	0
21	Z	1	28	15	12	1	0
21	a	1	28	15	12	1	0
21	b	1	26	13	12	1	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	S	
21	c	1	Total 26	C 13	O 12	S 1	0
21	d	1	Total 26	C 13	O 12	S 1	0
21	f	1	Total 40	C 27	O 12	S 1	0
21	n	1	Total 46	C 33	O 12	S 1	0
21	q	1	Total 32	C 19	O 12	S 1	0
21	r	1	Total 28	C 15	O 12	S 1	0
21	s	1	Total 28	C 15	O 12	S 1	0
21	t	1	Total 26	C 13	O 12	S 1	0
21	u	1	Total 26	C 13	O 12	S 1	0
21	v	1	Total 26	C 13	O 12	S 1	0

- Molecule 22 is FLAVIN MONONUCLEOTIDE (three-letter code: FMN) (formula: C₁₇H₂₁N₄O₉P).



Mol	Chain	Residues	Atoms					AltConf
			Total	C	N	O	P	
22	P	1	Total 31	C 17	N 4	O 9	P 1	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	N	O	P	
22	X	1	31	17	4	9	1	0
22	p	1	31	17	4	9	1	0

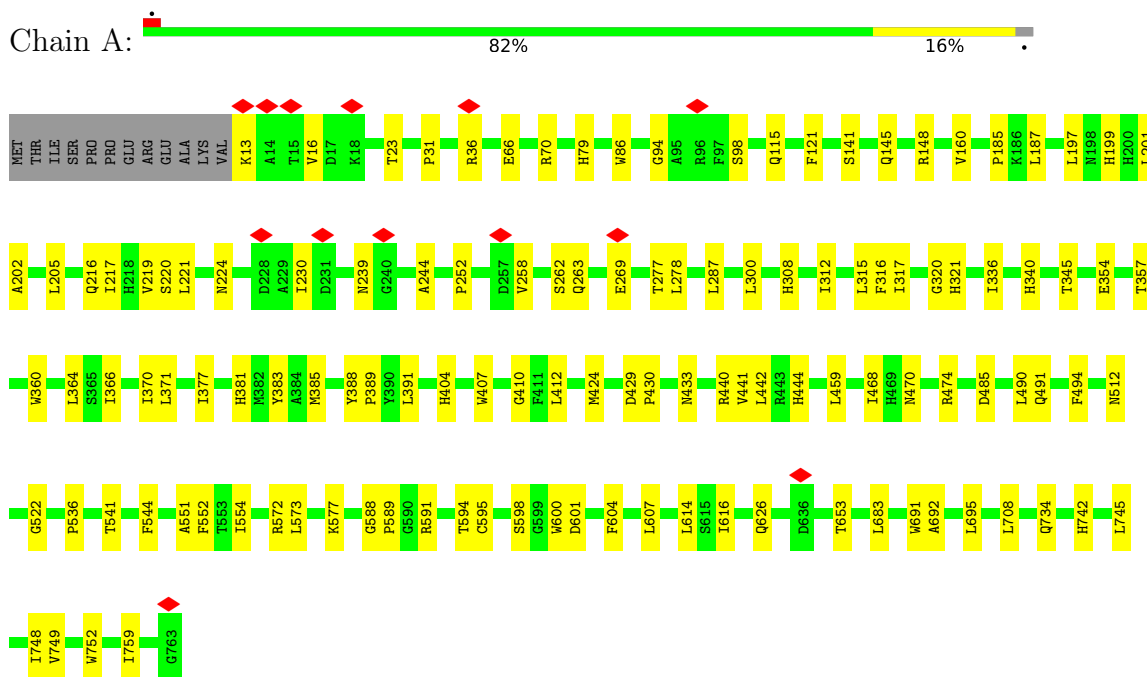
- Molecule 23 is water.

Mol	Chain	Residues	Atoms		AltConf
			Total	O	
23	A	9	9	9	0
23	B	7	7	7	0
23	F	1	1	1	0
23	L	1	1	1	0
23	G	9	9	9	0
23	H	7	7	7	0
23	R	1	1	1	0
23	V	1	1	1	0
23	e	9	9	9	0
23	f	7	7	7	0
23	j	1	1	1	0
23	n	1	1	1	0

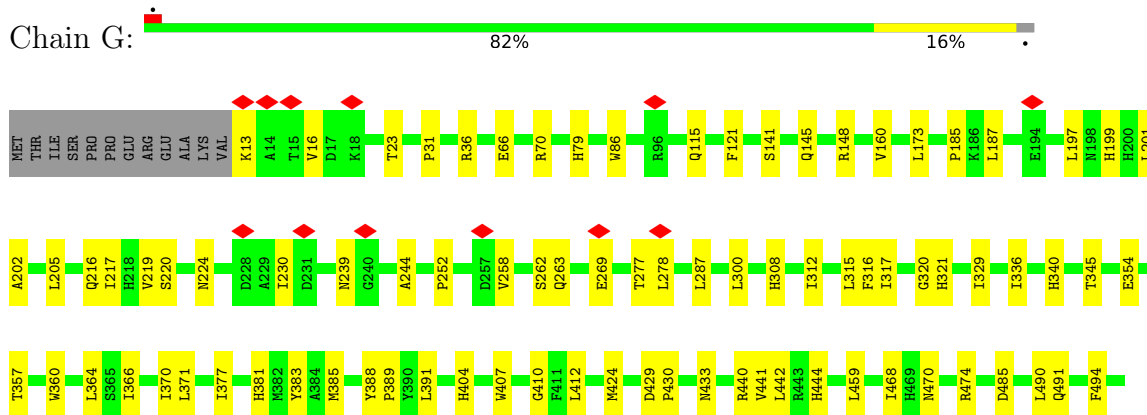
3 Residue-property plots

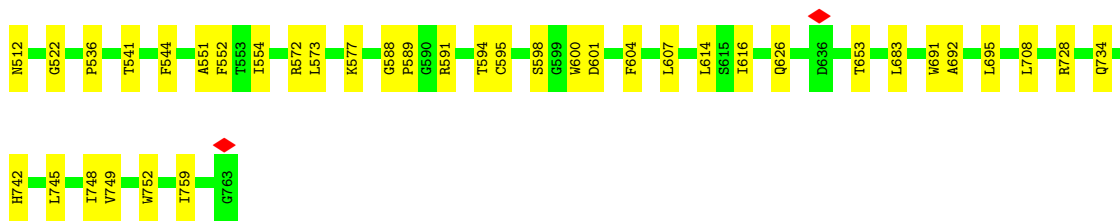
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion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

- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

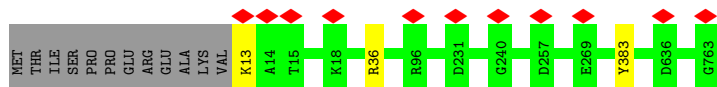


- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

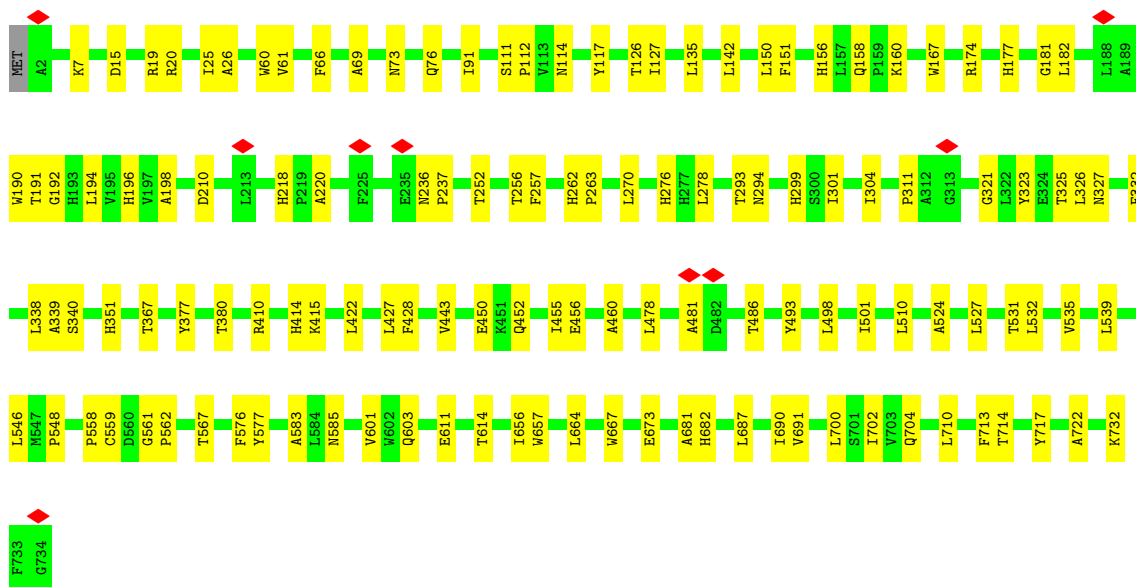
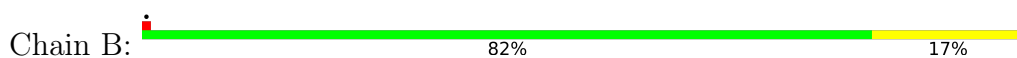




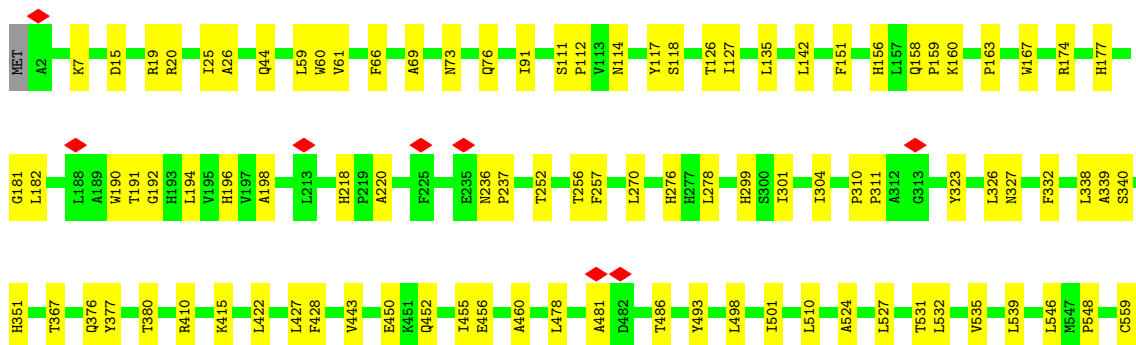
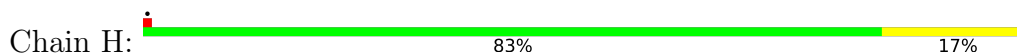
● Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



● Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

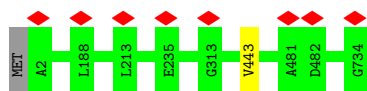


● Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

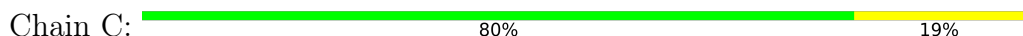




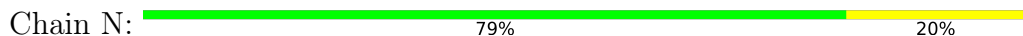
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



- Molecule 3: Photosystem I iron-sulfur center



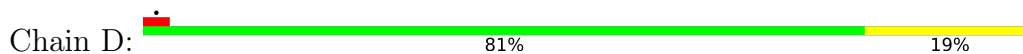
- Molecule 3: Photosystem I iron-sulfur center



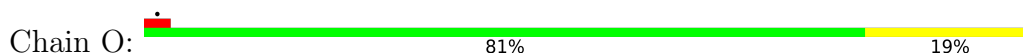
- Molecule 3: Photosystem I iron-sulfur center



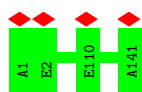
- Molecule 4: Photosystem I reaction center subunit II



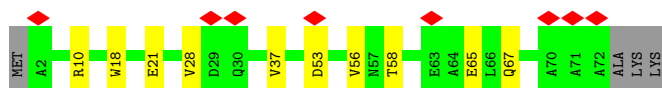
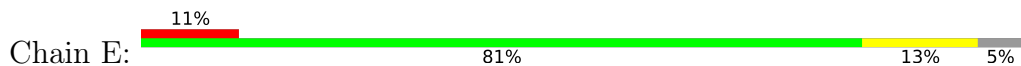
- Molecule 4: Photosystem I reaction center subunit II



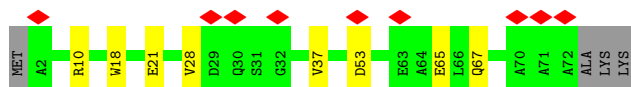
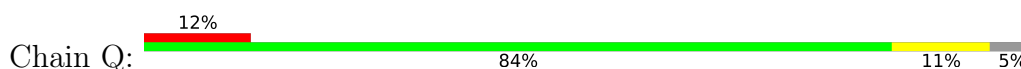
- Molecule 4: Photosystem I reaction center subunit II



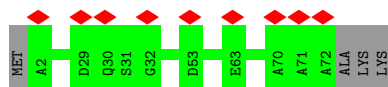
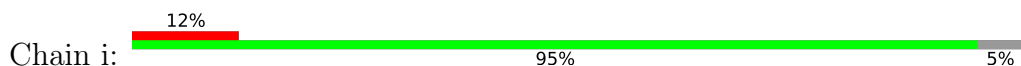
- Molecule 5: Photosystem I reaction center subunit IV



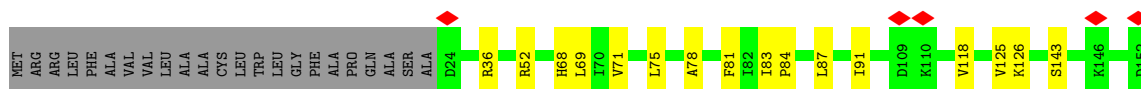
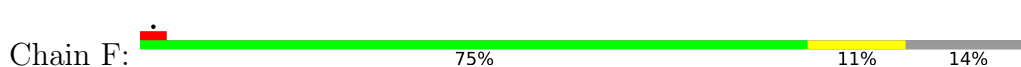
- Molecule 5: Photosystem I reaction center subunit IV



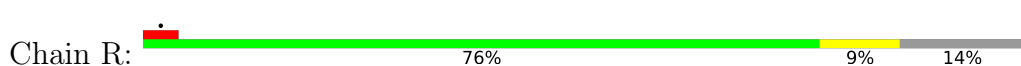
- Molecule 5: Photosystem I reaction center subunit IV



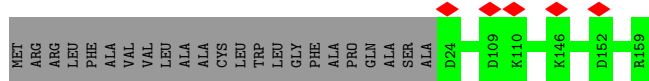
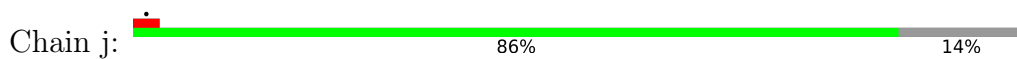
- Molecule 6: Photosystem I reaction center subunit III



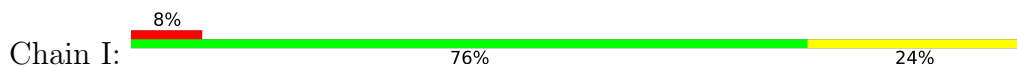
- Molecule 6: Photosystem I reaction center subunit III



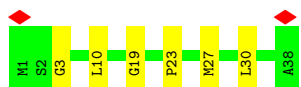
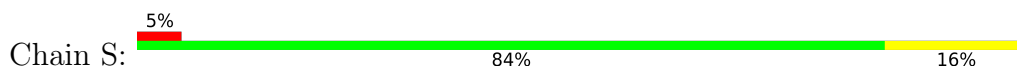
- Molecule 6: Photosystem I reaction center subunit III



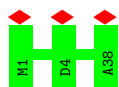
• Molecule 7: Photosystem I PsaI protein



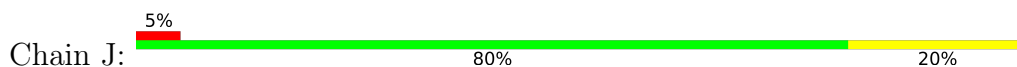
• Molecule 7: Photosystem I PsaI protein



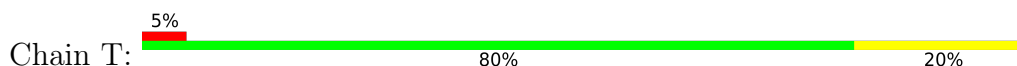
• Molecule 7: Photosystem I PsaI protein



• Molecule 8: Photosystem I reaction center subunit IX



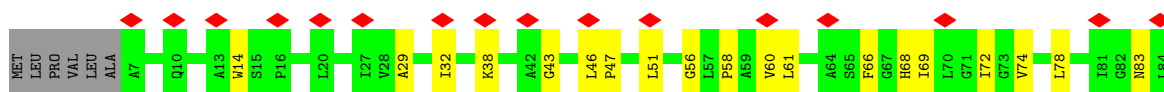
• Molecule 8: Photosystem I reaction center subunit IX



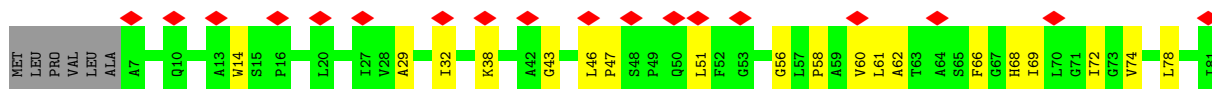
• Molecule 8: Photosystem I reaction center subunit IX



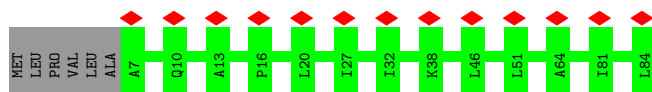
- Molecule 9: Photosystem I reaction center subunit PsaK



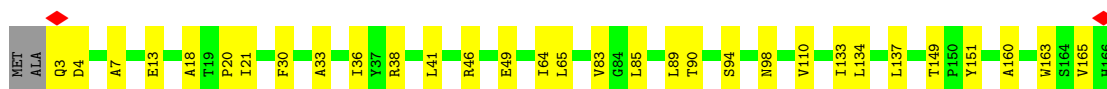
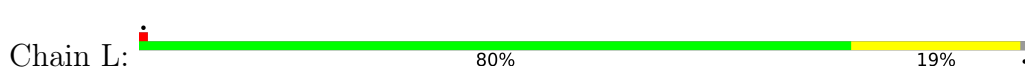
- Molecule 9: Photosystem I reaction center subunit PsaK



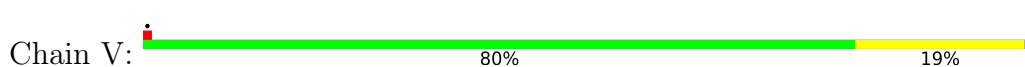
- Molecule 9: Photosystem I reaction center subunit PsaK



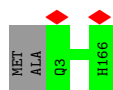
- Molecule 10: Photosystem I reaction center subunit XI



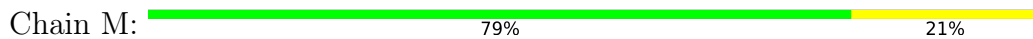
- Molecule 10: Photosystem I reaction center subunit XI



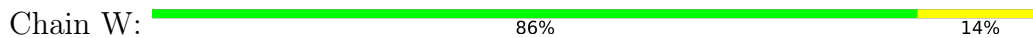
- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 11: PsaM



• Molecule 11: PsaM

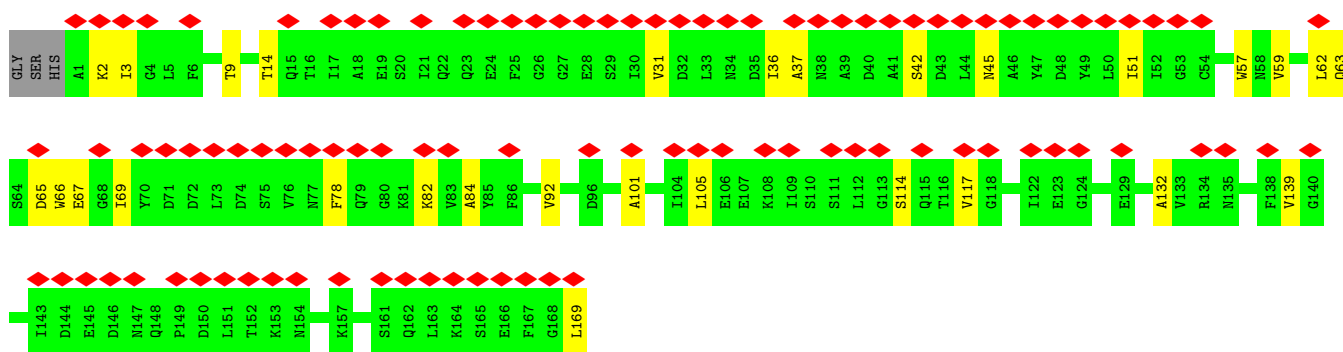
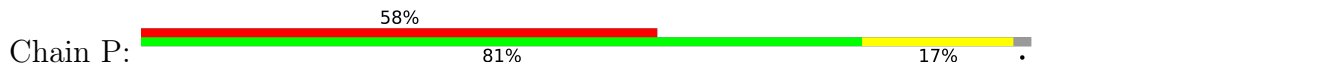


• Molecule 11: PsaM

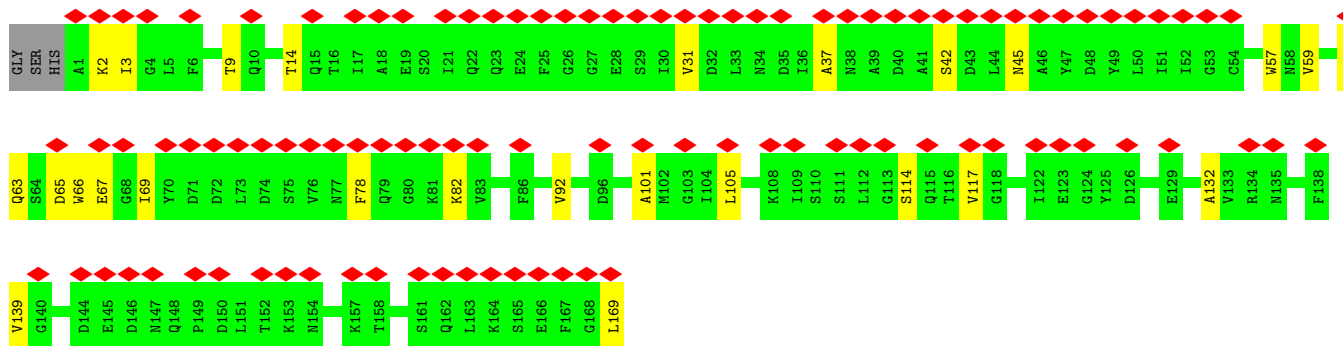
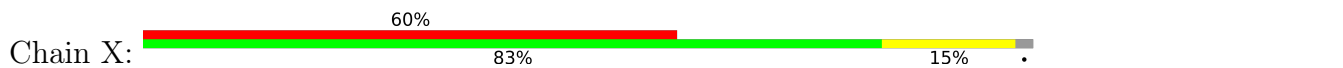


There are no outlier residues recorded for this chain.

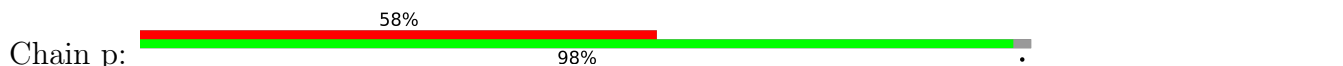
• Molecule 12: Flavodoxin

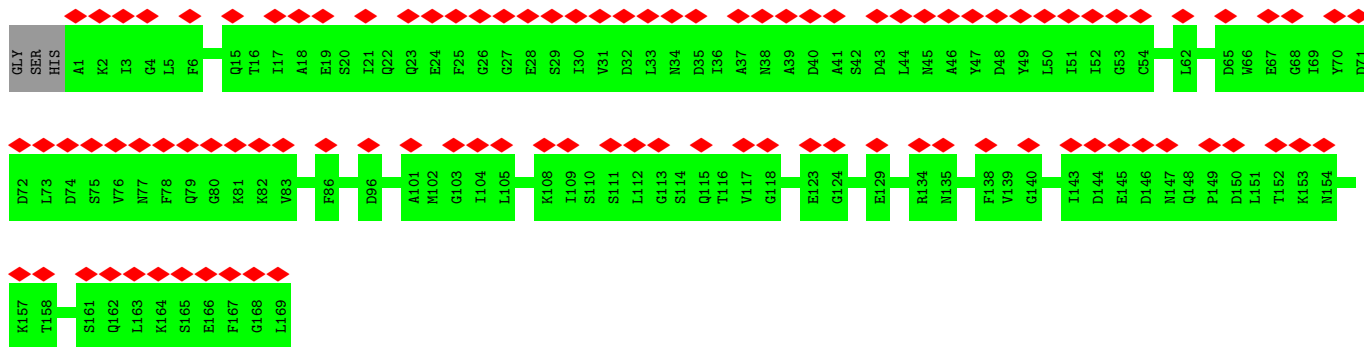


• Molecule 12: Flavodoxin

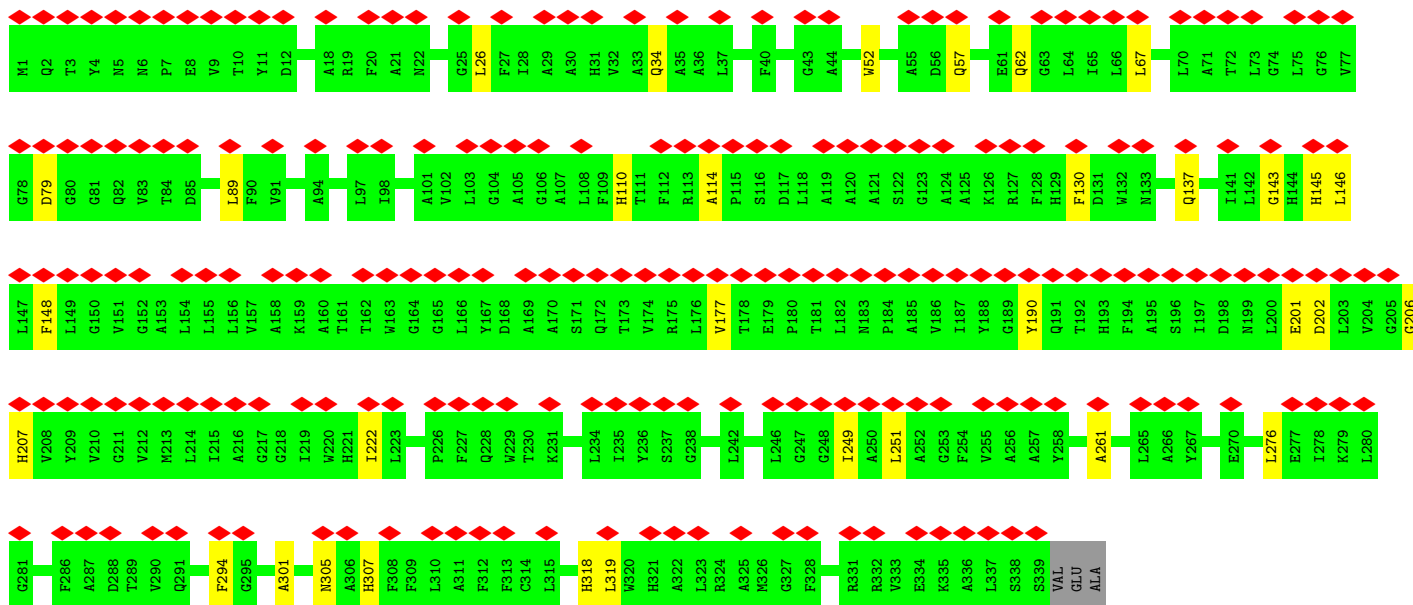
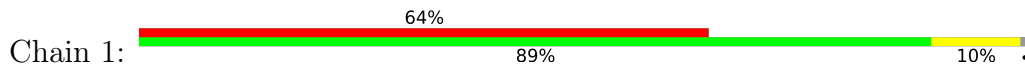


• Molecule 12: Flavodoxin

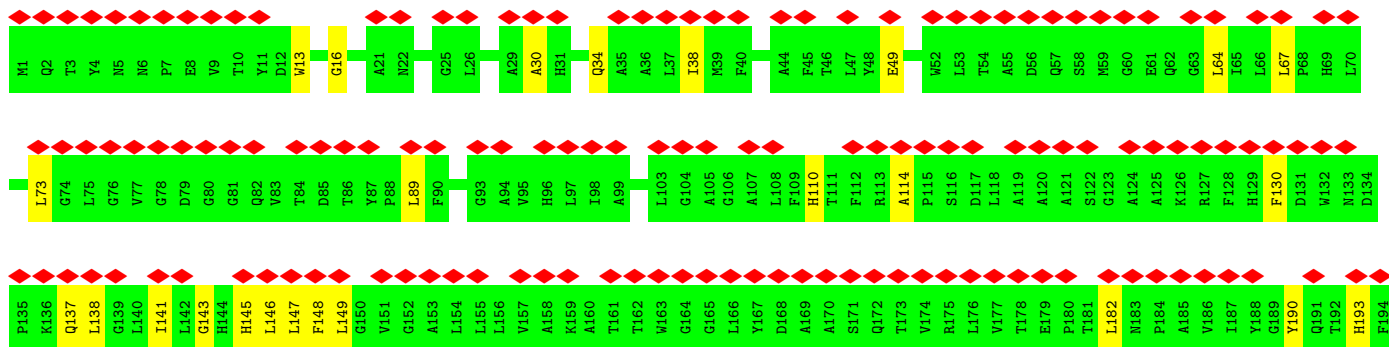
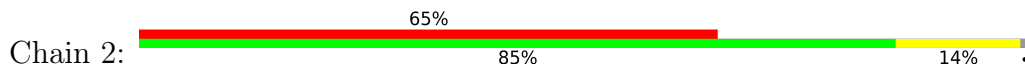


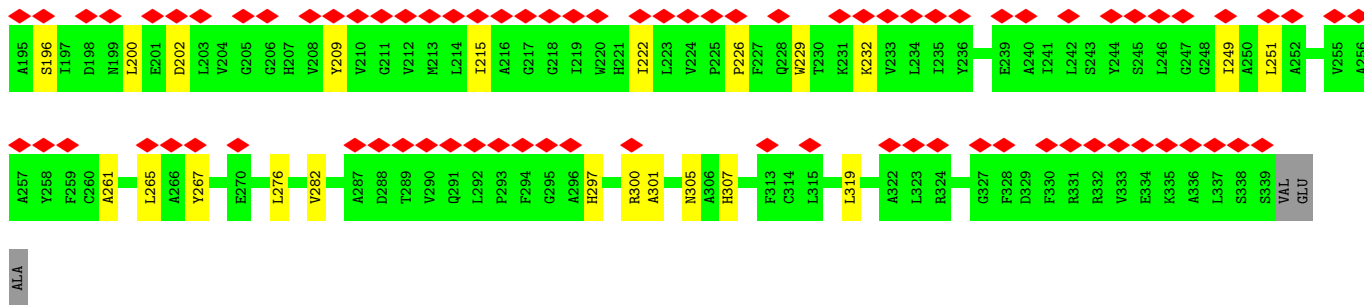


• Molecule 13: Iron stress-induced chlorophyll-binding protein

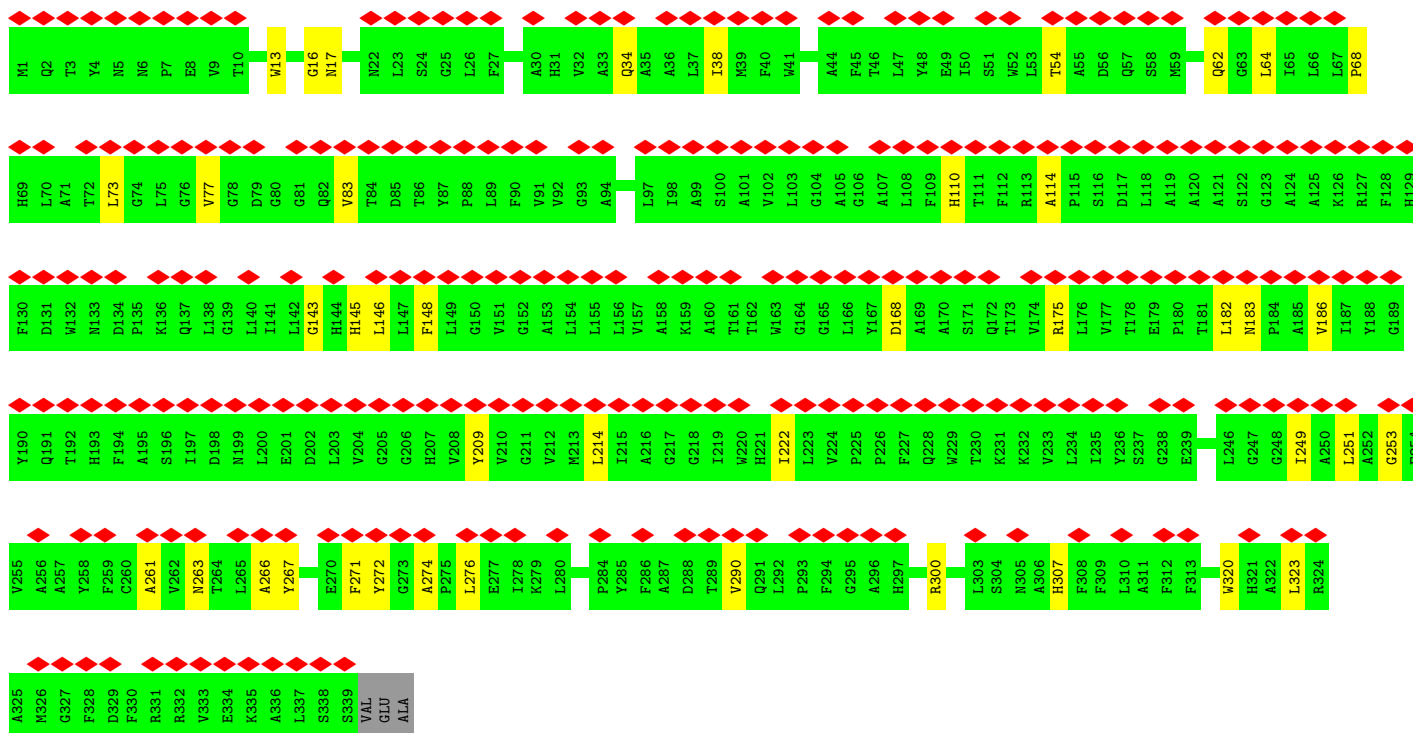
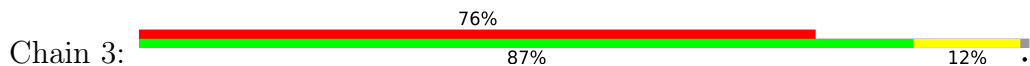


• Molecule 13: Iron stress-induced chlorophyll-binding protein

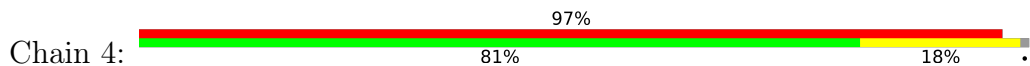


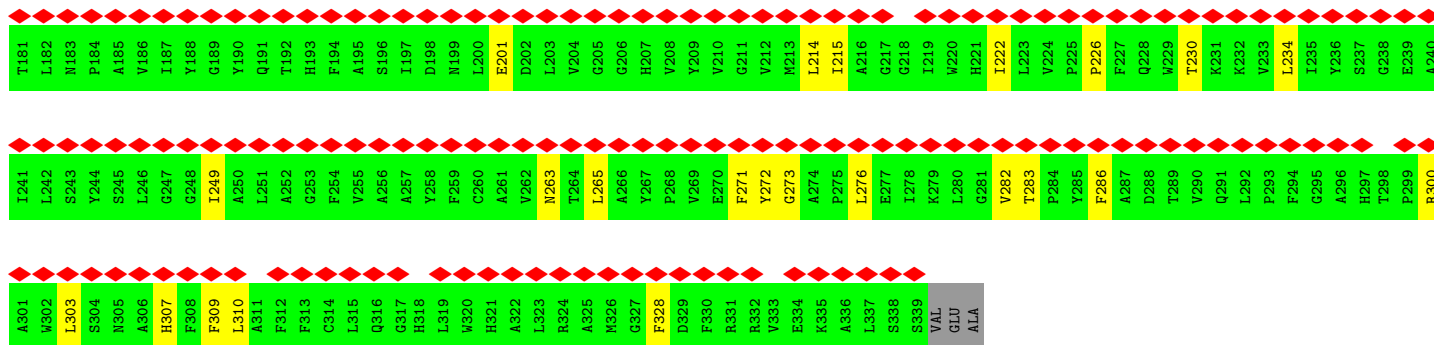


• Molecule 13: Iron stress-induced chlorophyll-binding protein

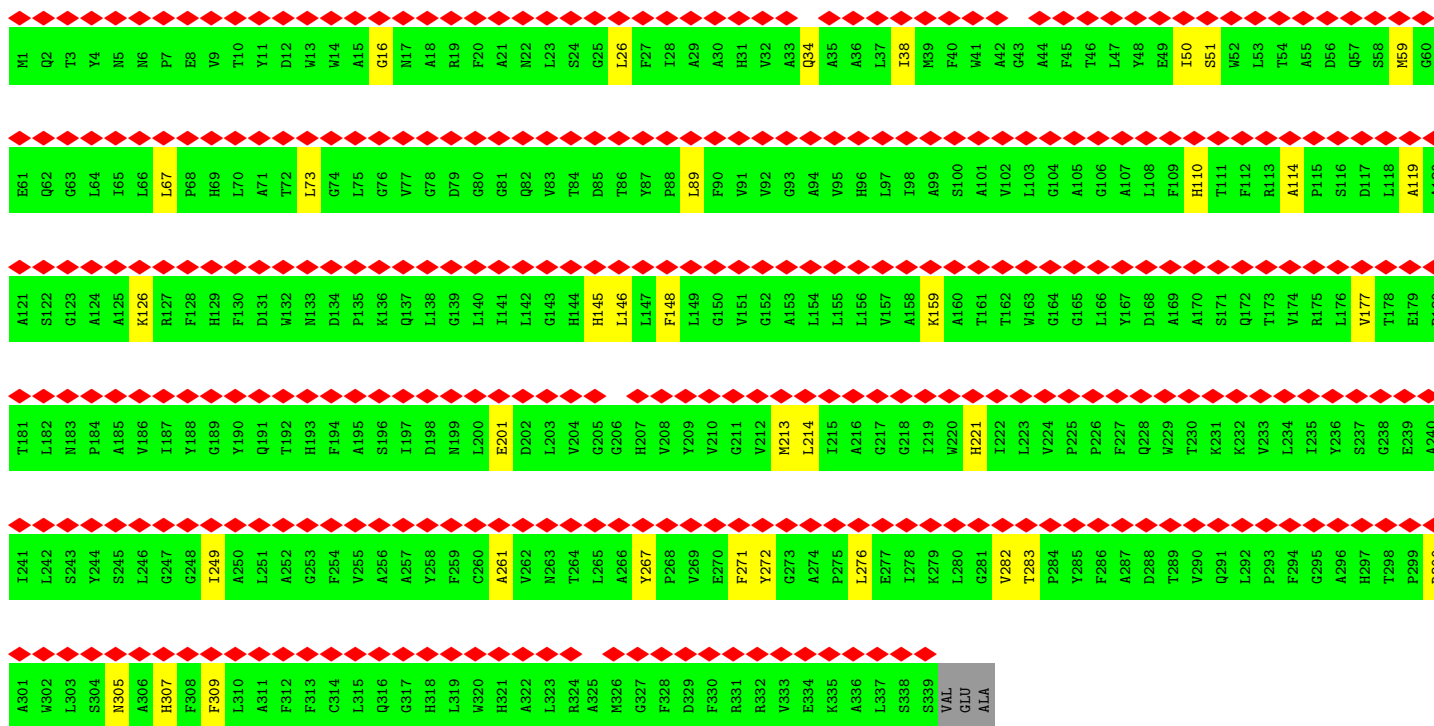
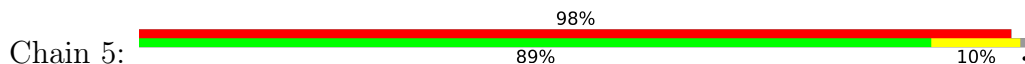


• Molecule 13: Iron stress-induced chlorophyll-binding protein

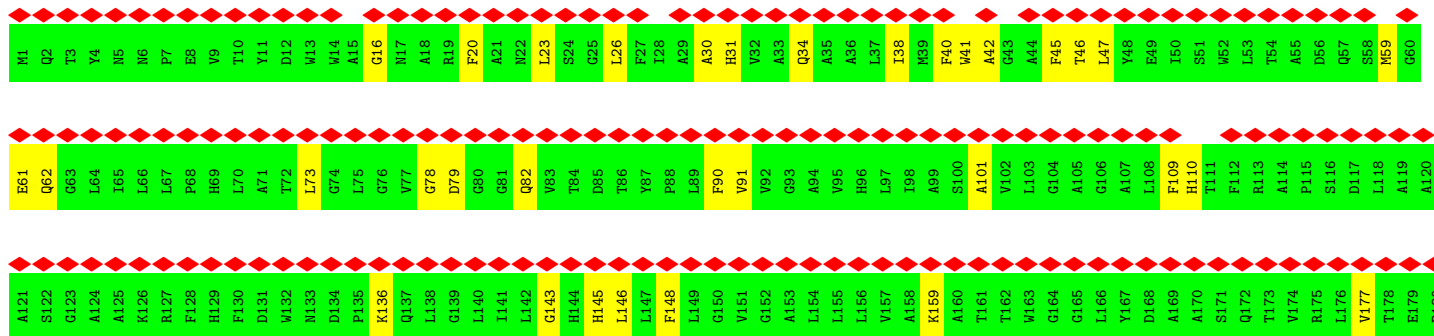
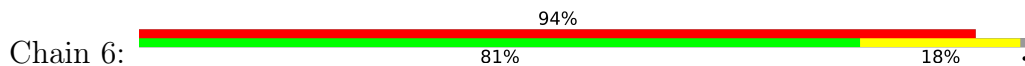


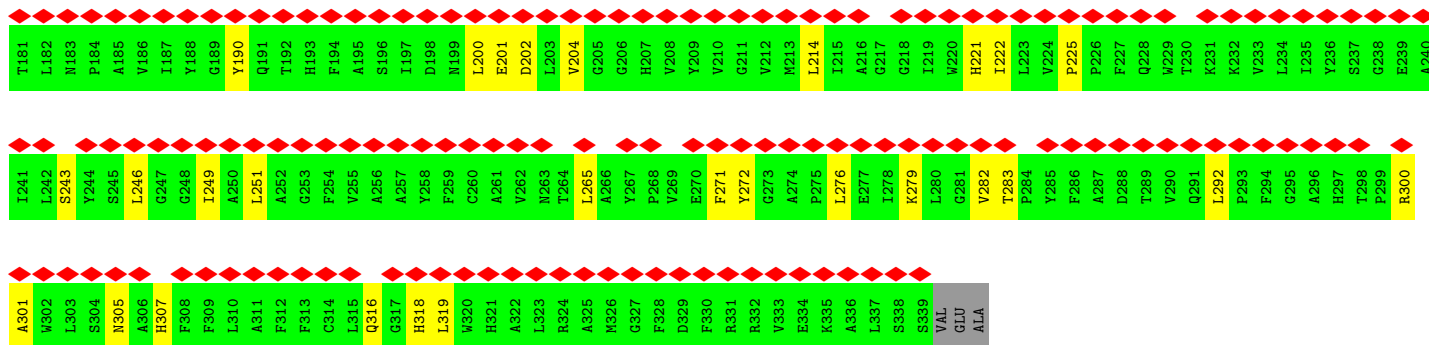


• Molecule 13: Iron stress-induced chlorophyll-binding protein

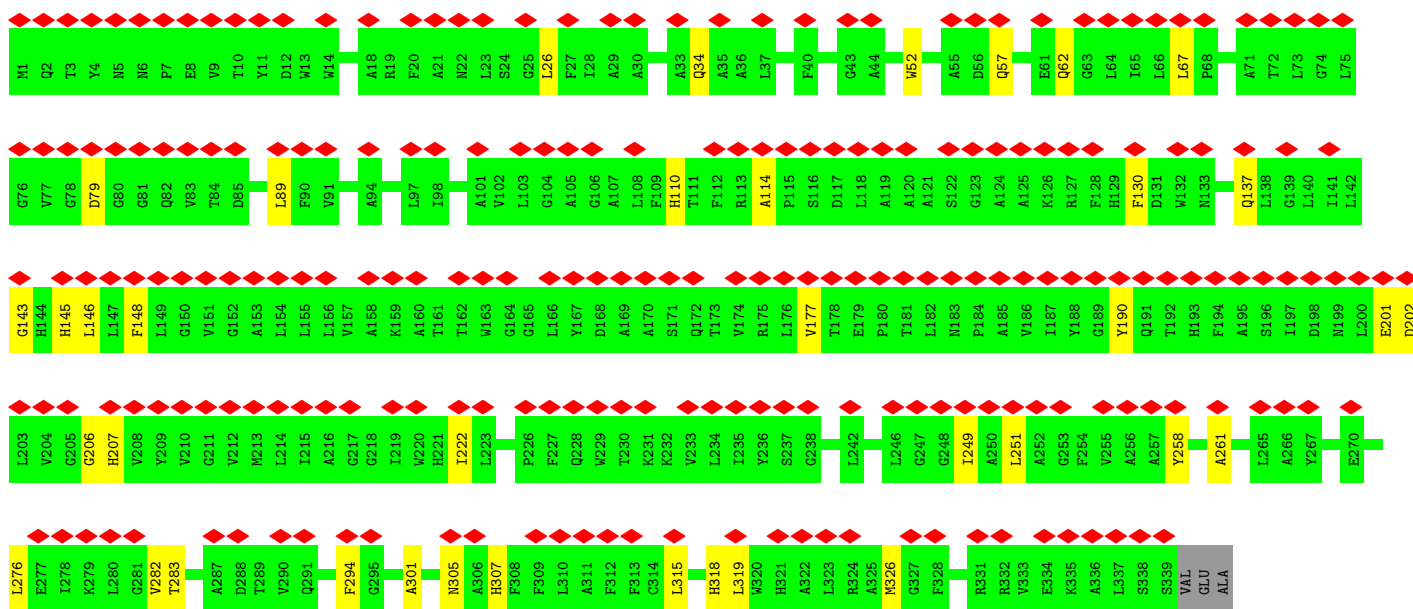
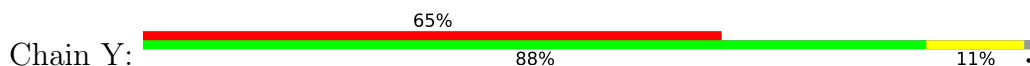


• Molecule 13: Iron stress-induced chlorophyll-binding protein

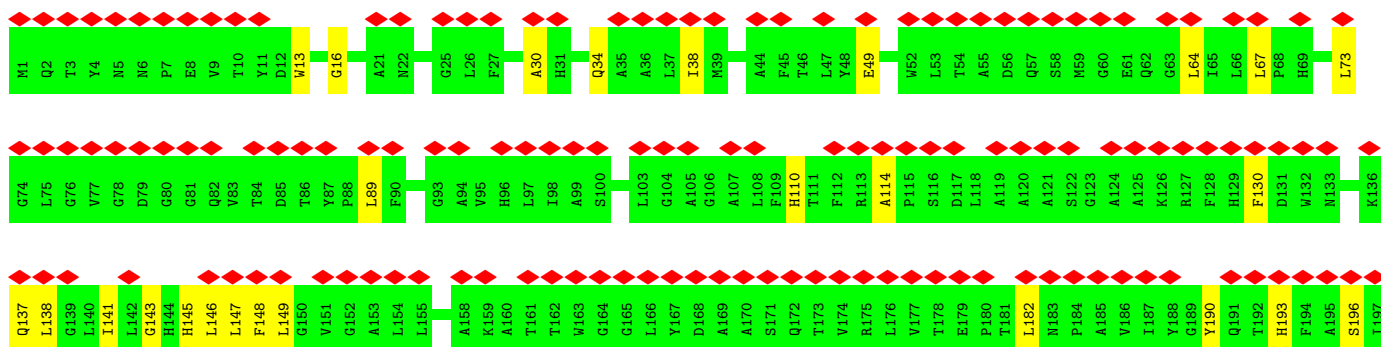
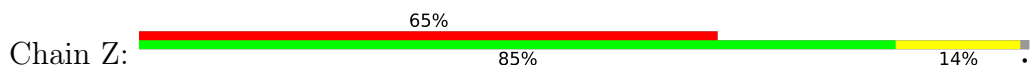


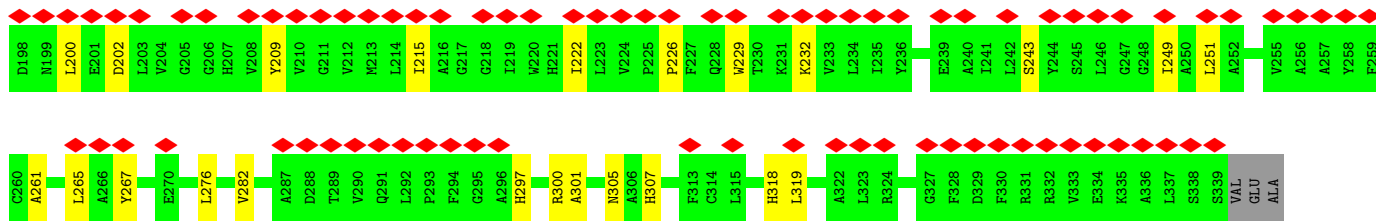


• Molecule 13: Iron stress-induced chlorophyll-binding protein

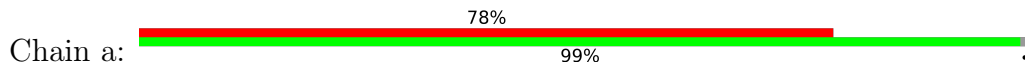


• Molecule 13: Iron stress-induced chlorophyll-binding protein

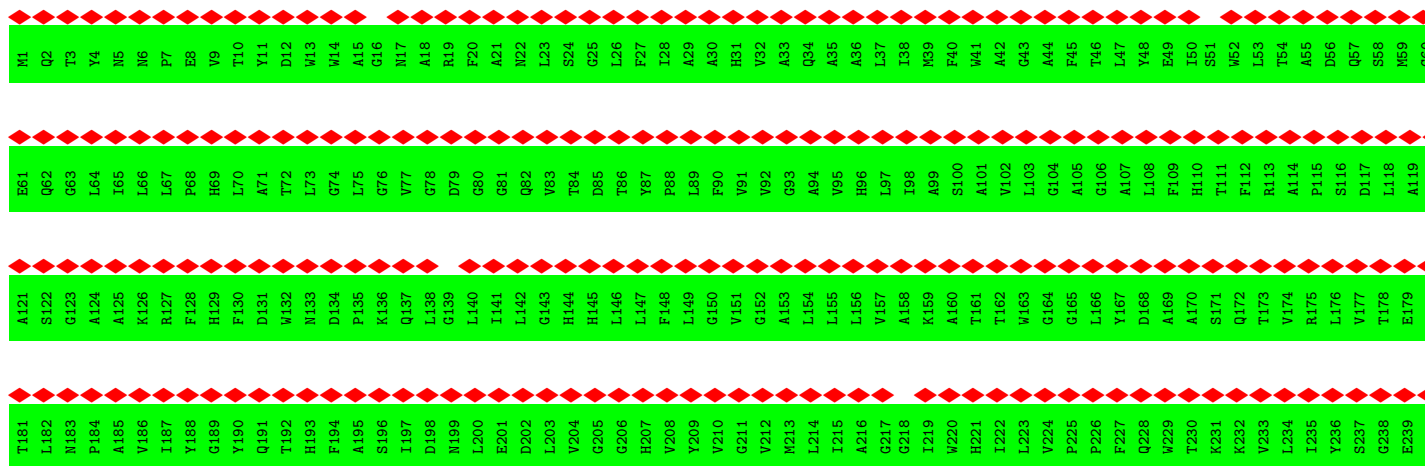




• Molecule 13: Iron stress-induced chlorophyll-binding protein



• Molecule 13: Iron stress-induced chlorophyll-binding protein

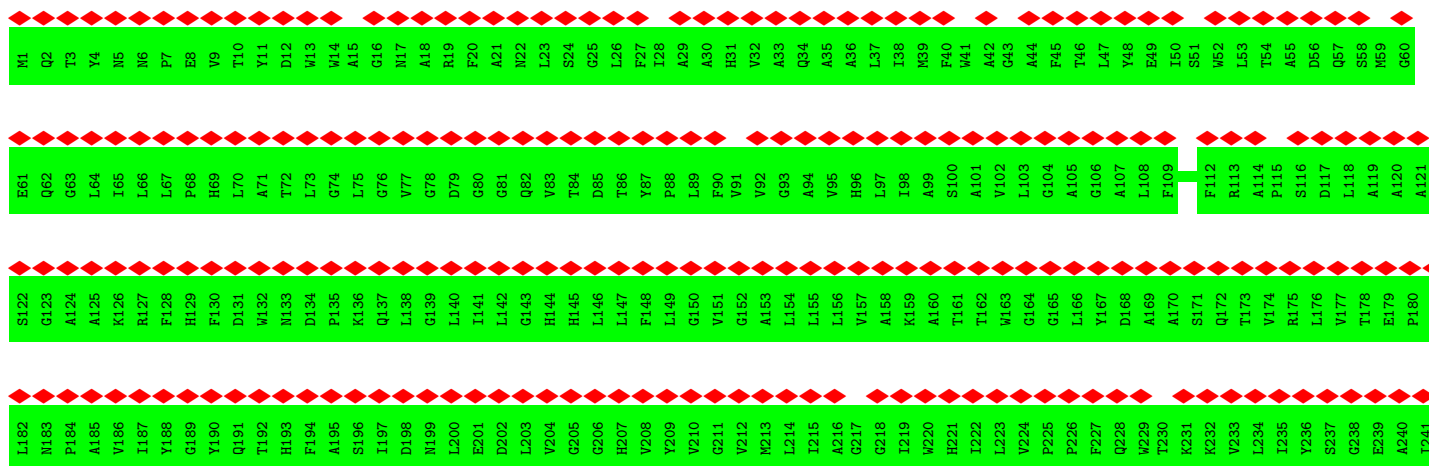


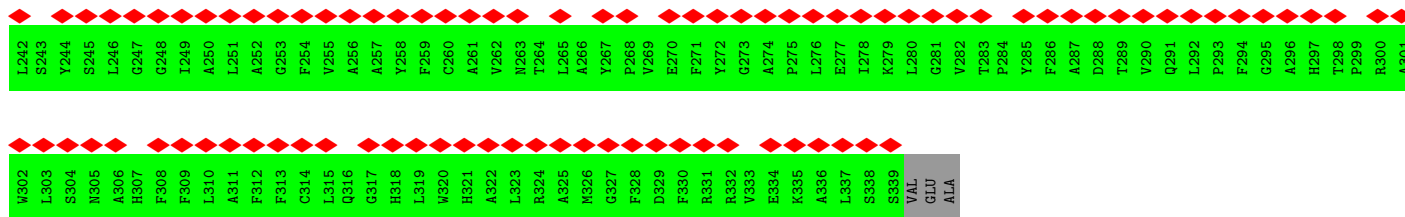


• Molecule 13: Iron stress-induced chlorophyll-binding protein



• Molecule 13: Iron stress-induced chlorophyll-binding protein

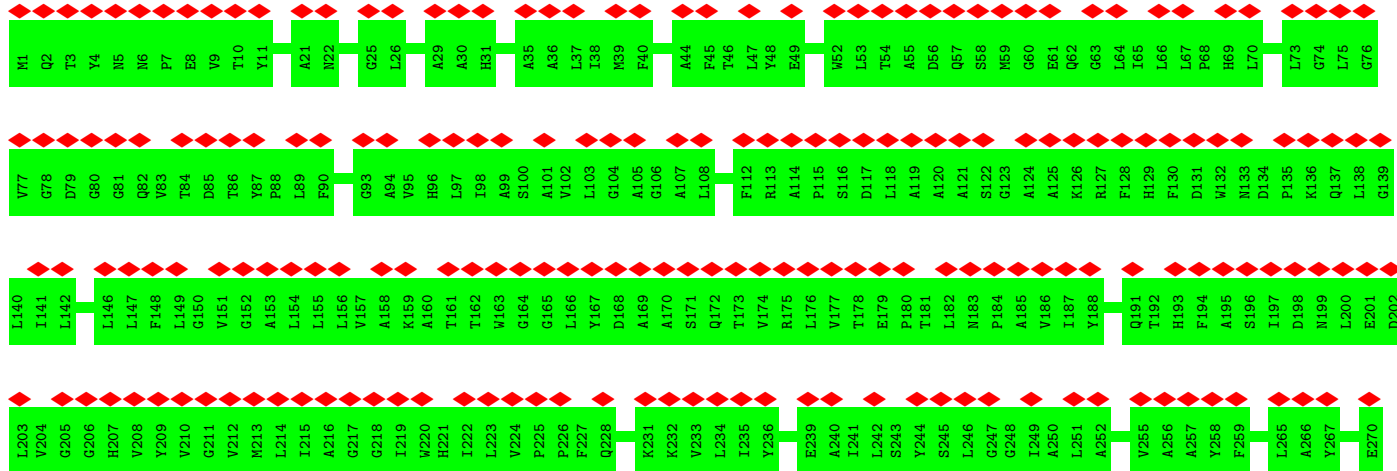


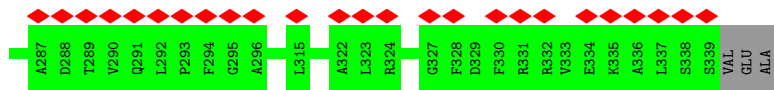


• Molecule 13: Iron stress-induced chlorophyll-binding protein

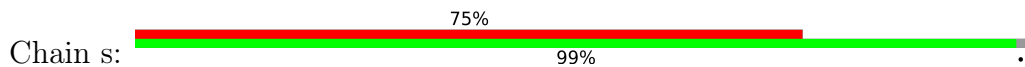


• Molecule 13: Iron stress-induced chlorophyll-binding protein



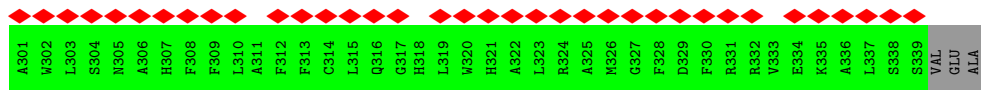


• Molecule 13: Iron stress-induced chlorophyll-binding protein



• Molecule 13: Iron stress-induced chlorophyll-binding protein

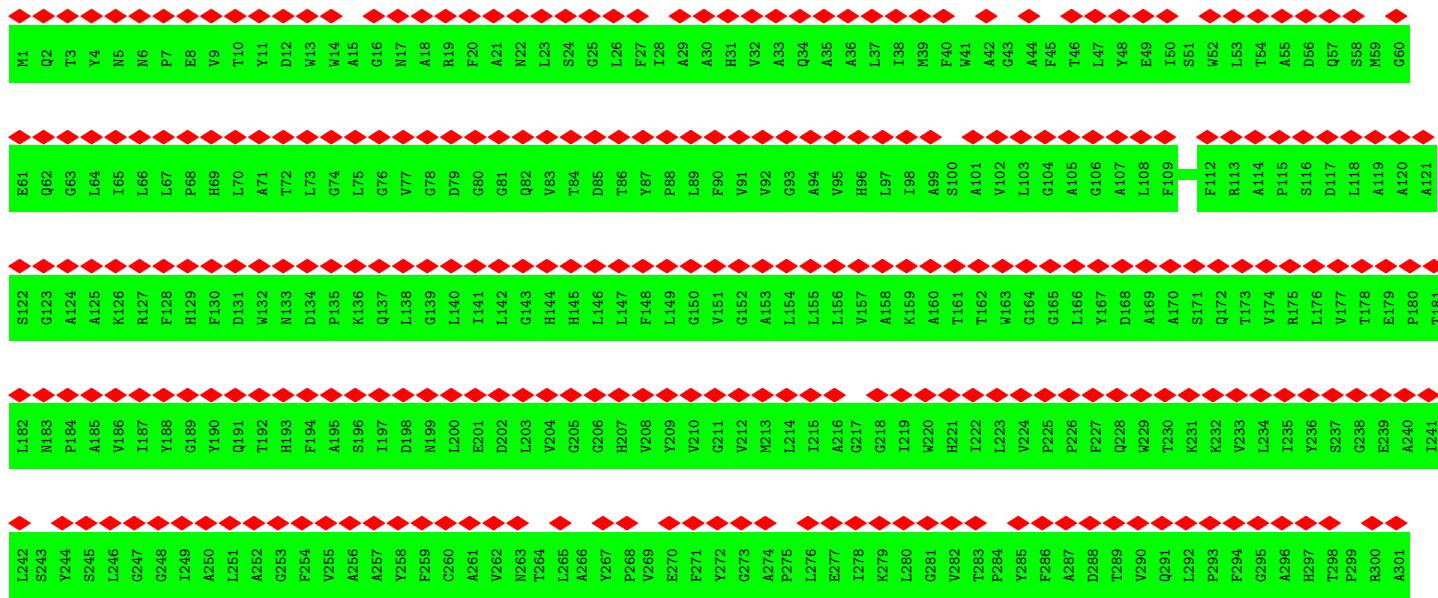




• Molecule 13: Iron stress-induced chlorophyll-binding protein



• Molecule 13: Iron stress-induced chlorophyll-binding protein



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	V/AL	GLU	ALA
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-----	-----

4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C3	Depositor
Number of particles used	29295	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TALOS ARCTICA	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	50	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	0.118	Depositor
Minimum map value	-0.042	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.003	Depositor
Recommended contour level	0.014	Depositor
Map size (Å)	480.0, 480.0, 480.0	wwPDB
Map dimensions	480, 480, 480	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.0, 1.0, 1.0	Depositor

5 Model quality [i](#)

5.1 Standard geometry [i](#)

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

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	0.54	0/6064	0.57	0/8274
1	G	0.54	0/6064	0.57	0/8274
1	e	0.54	0/6064	0.57	0/8274
2	B	0.46	0/5999	0.54	0/8199
2	H	0.46	0/5999	0.54	0/8199
2	f	0.46	0/5999	0.54	0/8199
3	C	0.44	0/608	0.56	0/823
3	N	0.44	0/608	0.56	0/823
3	g	0.44	0/608	0.56	0/823
4	D	0.48	0/1124	0.58	0/1516
4	O	0.48	0/1124	0.58	0/1516
4	h	0.48	0/1124	0.58	0/1516
5	E	0.44	0/553	0.53	0/750
5	Q	0.44	0/553	0.53	0/750
5	i	0.44	0/553	0.53	0/750
6	F	0.43	0/1062	0.54	0/1442
6	R	0.43	0/1062	0.54	0/1442
6	j	0.43	0/1062	0.54	0/1442
7	I	0.49	0/289	0.71	0/393
7	S	0.49	0/289	0.71	0/393
7	k	0.49	0/289	0.71	0/393
8	J	0.37	0/346	0.55	0/469
8	T	0.37	0/346	0.55	0/469
8	l	0.38	0/346	0.55	0/469
9	K	0.33	0/560	0.58	0/765
9	U	0.34	0/560	0.58	0/765
9	m	0.34	0/560	0.58	0/765
10	L	0.42	0/1242	0.55	0/1696
10	V	0.42	0/1242	0.55	0/1696
10	n	0.42	0/1242	0.55	0/1696
11	M	0.42	0/231	0.60	0/314
11	W	0.42	0/231	0.60	0/314

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
11	o	0.42	0/231	0.60	0/314
12	P	0.31	0/1344	0.50	0/1822
12	X	0.31	0/1344	0.50	0/1822
12	p	0.31	0/1344	0.50	0/1822
13	1	0.30	0/2689	0.48	0/3678
13	2	0.30	0/2689	0.48	0/3678
13	3	0.28	0/2689	0.47	0/3678
13	4	0.28	0/2689	0.49	0/3678
13	5	0.29	0/2689	0.48	0/3678
13	6	0.28	0/2689	0.47	0/3678
13	Y	0.30	0/2689	0.48	0/3678
13	Z	0.30	0/2689	0.48	0/3678
13	a	0.28	0/2689	0.47	0/3678
13	b	0.28	0/2689	0.49	0/3678
13	c	0.29	0/2689	0.48	0/3678
13	d	0.28	0/2689	0.48	0/3678
13	q	0.30	0/2689	0.48	0/3678
13	r	0.30	0/2689	0.49	0/3678
13	s	0.28	0/2689	0.47	0/3678
13	t	0.28	0/2689	0.49	0/3678
13	u	0.29	0/2689	0.48	0/3678
13	v	0.29	0/2689	0.48	0/3678
All	All	0.40	0/106668	0.52	0/145593

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](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	5865	0	5744	102	0
1	G	5865	0	5744	103	0
1	e	5865	0	5744	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	B	5789	0	5575	104	0
2	H	5789	0	5575	107	0
2	f	5789	0	5575	0	0
3	C	598	0	579	9	0
3	N	598	0	579	10	0
3	g	598	0	579	0	0
4	D	1098	0	1099	20	0
4	O	1098	0	1099	20	0
4	h	1098	0	1099	0	0
5	E	543	0	525	7	0
5	Q	543	0	525	6	0
5	i	543	0	525	0	0
6	F	1036	0	1031	17	0
6	R	1036	0	1031	13	0
6	j	1036	0	1031	0	0
7	I	282	0	291	8	0
7	S	282	0	291	5	0
7	k	282	0	291	0	0
8	J	335	0	344	8	0
8	T	335	0	344	8	0
8	l	335	0	344	0	0
9	K	549	0	597	15	0
9	U	549	0	597	16	0
9	m	549	0	597	0	0
10	L	1210	0	1206	34	0
10	V	1210	0	1206	31	0
10	n	1210	0	1206	0	0
11	M	228	0	246	6	0
11	W	228	0	246	4	0
11	o	228	0	246	0	0
12	P	1318	0	1233	19	0
12	X	1318	0	1233	17	0
12	p	1318	0	1233	0	0
13	1	2605	0	2564	36	0
13	2	2605	0	2564	42	0
13	3	2605	0	2564	37	0
13	4	2605	0	2564	44	0
13	5	2605	0	2564	31	0
13	6	2605	0	2564	46	0
13	Y	2605	0	2564	40	0
13	Z	2605	0	2564	44	0
13	a	2605	0	2564	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
13	b	2605	0	2564	0	0
13	c	2605	0	2564	0	0
13	d	2605	0	2564	0	0
13	q	2605	0	2564	0	0
13	r	2605	0	2564	0	0
13	s	2605	0	2564	0	0
13	t	2605	0	2564	0	0
13	u	2605	0	2564	0	0
13	v	2605	0	2564	0	0
14	1	765	0	561	26	0
14	2	850	0	720	31	0
14	3	785	0	593	22	0
14	4	765	0	561	21	0
14	5	785	0	600	20	0
14	6	785	0	600	25	0
14	A	2712	0	2766	133	0
14	B	2515	0	2595	130	0
14	F	90	0	66	4	0
14	G	2712	0	2766	138	0
14	H	2515	0	2595	125	0
14	J	100	0	82	4	0
14	K	148	0	118	3	0
14	L	185	0	190	9	0
14	R	90	0	66	4	0
14	T	100	0	82	4	0
14	U	148	0	118	3	0
14	V	185	0	190	13	0
14	Y	765	0	561	29	0
14	Z	850	0	720	32	0
14	a	785	0	593	0	0
14	b	765	0	561	0	0
14	c	785	0	600	0	0
14	d	785	0	600	0	0
14	e	2712	0	2766	0	0
14	f	2515	0	2595	0	0
14	j	90	0	66	0	0
14	l	100	0	82	0	0
14	m	148	0	118	0	0
14	n	185	0	190	0	0
14	q	765	0	561	0	0
14	r	850	0	720	0	0
14	s	785	0	593	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	t	765	0	561	0	0
14	u	785	0	600	0	0
14	v	785	0	600	0	0
15	A	33	0	46	4	0
15	B	33	0	46	4	0
15	G	33	0	46	3	0
15	H	33	0	46	5	0
15	e	33	0	46	0	0
15	f	33	0	46	0	0
16	A	8	0	0	0	0
16	C	16	0	0	0	0
16	G	8	0	0	0	0
16	N	16	0	0	0	0
16	e	8	0	0	0	0
16	g	16	0	0	0	0
17	1	160	0	224	16	0
17	2	160	0	224	16	0
17	3	160	0	224	5	0
17	4	160	0	224	7	0
17	5	160	0	224	7	0
17	6	160	0	224	12	0
17	A	240	0	336	22	0
17	B	280	0	392	31	0
17	F	40	0	56	6	0
17	G	240	0	336	20	0
17	H	280	0	392	29	0
17	I	40	0	56	4	0
17	J	120	0	168	15	0
17	K	40	0	56	3	0
17	L	160	0	224	18	0
17	M	40	0	56	2	0
17	R	40	0	56	6	0
17	S	40	0	56	3	0
17	T	120	0	168	14	0
17	U	40	0	56	3	0
17	V	160	0	224	22	0
17	W	40	0	56	3	0
17	Y	160	0	224	13	0
17	Z	160	0	224	16	0
17	a	160	0	224	0	0
17	b	160	0	224	0	0
17	c	160	0	224	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
17	d	160	0	224	0	0
17	e	240	0	336	0	0
17	f	280	0	392	0	0
17	j	40	0	56	0	0
17	k	40	0	56	0	0
17	l	120	0	168	0	0
17	m	40	0	56	0	0
17	n	160	0	224	0	0
17	o	40	0	56	0	0
17	q	160	0	224	0	0
17	r	160	0	224	0	0
17	s	160	0	224	0	0
17	t	160	0	224	0	0
17	u	160	0	224	0	0
17	v	160	0	224	0	0
18	A	374	0	493	32	0
18	B	78	0	96	6	0
18	G	374	0	493	32	0
18	H	78	0	96	6	0
18	I	48	0	69	2	0
18	L	127	0	170	7	0
18	S	48	0	69	0	0
18	V	127	0	170	14	0
18	e	374	0	493	0	0
18	f	78	0	96	0	0
18	k	48	0	69	0	0
18	n	127	0	170	0	0
19	A	58	0	76	3	0
19	B	35	0	46	1	0
19	G	58	0	76	3	0
19	H	35	0	46	1	0
19	J	22	0	28	0	0
19	T	22	0	28	0	0
19	e	58	0	76	0	0
19	f	35	0	46	0	0
19	l	22	0	28	0	0
20	B	53	0	76	5	0
20	H	53	0	76	6	0
20	J	32	0	34	0	0
20	T	32	0	34	1	0
20	f	53	0	76	0	0
20	l	32	0	34	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
21	1	32	0	28	1	0
21	2	28	0	20	0	0
21	3	28	0	20	2	0
21	4	26	0	16	0	0
21	5	26	0	16	0	0
21	6	26	0	16	0	0
21	B	40	0	42	8	0
21	H	40	0	42	9	0
21	L	46	0	58	4	0
21	V	46	0	58	6	0
21	Y	32	0	28	1	0
21	Z	28	0	20	0	0
21	a	28	0	20	0	0
21	b	26	0	16	0	0
21	c	26	0	16	0	0
21	d	26	0	16	0	0
21	f	40	0	42	0	0
21	n	46	0	58	0	0
21	q	32	0	28	0	0
21	r	28	0	20	0	0
21	s	28	0	20	0	0
21	t	26	0	16	0	0
21	u	26	0	16	0	0
21	v	26	0	16	0	0
22	P	31	0	19	1	0
22	X	31	0	19	1	0
22	p	31	0	19	0	0
23	A	9	0	0	1	0
23	B	7	0	0	0	0
23	F	1	0	0	0	0
23	G	9	0	0	1	0
23	H	7	0	0	0	0
23	L	1	0	0	0	0
23	R	1	0	0	0	0
23	V	1	0	0	0	0
23	e	9	0	0	0	0
23	f	7	0	0	0	0
23	j	1	0	0	0	0
23	n	1	0	0	0	0
All	All	144312	0	142227	1516	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 9.

All (1516) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L:3:GLN:HG2	10:L:4:ASP:H	0.93	1.06
10:V:3:GLN:HG2	10:V:4:ASP:H	0.93	1.05
10:L:3:GLN:HG2	10:L:4:ASP:N	1.75	1.00
10:V:3:GLN:HG2	10:V:4:ASP:N	1.75	0.98
10:L:94:SER:HB2	14:V:1501:CLA:HMD1	1.54	0.87
10:V:3:GLN:CG	10:V:4:ASP:H	1.82	0.87
18:A:5009:LHG:H131	17:1:521:BCR:H322	1.57	0.86
10:L:137:LEU:HD13	17:V:4022:BCR:C24	2.06	0.85
10:L:3:GLN:CG	10:L:4:ASP:H	1.82	0.85
18:G:5009:LHG:H131	17:Y:521:BCR:H322	1.57	0.85
14:B:1207:CLA:H42	18:V:5221:LHG:H252	1.59	0.82
14:G:1013:CLA:H111	17:G:4011:BCR:H23C	1.67	0.76
13:4:145:HIS:NE2	14:4:512:CLA:NA	2.32	0.76
4:O:41:GLU:H	4:O:71:GLN:HE22	1.35	0.75
14:A:1013:CLA:H111	17:A:4011:BCR:H23C	1.67	0.74
13:Y:148:PHE:CZ	14:Y:516:CLA:HBC2	2.22	0.74
13:1:148:PHE:CZ	14:1:516:CLA:HBC2	2.22	0.74
14:A:1130:CLA:H2	14:L:1502:CLA:H43	1.68	0.74
14:G:1130:CLA:H2	14:V:1502:CLA:H43	1.68	0.74
4:D:41:GLU:H	4:D:71:GLN:HE22	1.35	0.73
9:K:60:VAL:HG22	14:K:1105:CLA:HAC2	1.71	0.72
10:L:137:LEU:HD13	17:V:4022:BCR:H24C	1.71	0.71
13:1:52:TRP:CE3	14:1:504:CLA:HED3	2.25	0.71
1:G:410:GLY:HA3	1:G:614:LEU:HD11	1.73	0.71
1:A:410:GLY:HA3	1:A:614:LEU:HD11	1.73	0.71
9:U:60:VAL:HG22	14:U:1105:CLA:HAC2	1.71	0.71
13:Y:148:PHE:HZ	14:Y:516:CLA:HBC2	1.54	0.71
14:6:505:CLA:H43	17:6:524:BCR:HC7	1.72	0.71
13:Y:52:TRP:CE3	14:Y:504:CLA:HED3	2.25	0.71
14:B:1216:CLA:H2	14:B:1221:CLA:H102	1.71	0.71
14:H:1216:CLA:H2	14:H:1221:CLA:H102	1.71	0.71
14:H:1222:CLA:HMA1	17:H:4010:BCR:H14C	1.74	0.70
13:1:148:PHE:HZ	14:1:516:CLA:HBC2	1.54	0.70
14:A:1104:CLA:H42	14:A:1128:CLA:H2	1.74	0.69
11:M:21:TYR:OH	10:V:26:PHE:HB2	1.92	0.69
13:5:146:LEU:HD21	14:5:506:CLA:HAB	1.75	0.69
14:F:1302:CLA:HMB2	17:F:4016:BCR:H24C	1.74	0.69
13:3:110:HIS:NE2	14:3:513:CLA:NB	2.40	0.69
14:H:1234:CLA:H71	14:H:1235:CLA:H12	1.75	0.69
14:R:1302:CLA:HMB2	17:R:4016:BCR:H24C	1.74	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:Y:222:ILE:HG23	14:Y:516:CLA:HMA1	1.75	0.69
14:B:1234:CLA:H71	14:B:1235:CLA:H12	1.75	0.69
14:G:1104:CLA:H42	14:G:1128:CLA:H2	1.74	0.69
13:Y:318:HIS:NE2	14:Y:505:CLA:NB	2.42	0.68
14:B:1222:CLA:HMA1	17:B:4010:BCR:H14C	1.74	0.67
13:1:222:ILE:HG23	14:1:516:CLA:HMA1	1.75	0.67
13:2:146:LEU:HD21	14:2:506:CLA:HAB	1.75	0.67
13:Z:146:LEU:HD21	14:Z:506:CLA:HAB	1.75	0.67
18:H:1855:LHG:HC82	18:H:1855:LHG:H252	1.77	0.67
18:B:1855:LHG:HC82	18:B:1855:LHG:H252	1.77	0.66
5:E:10:ARG:HB3	5:E:67:GLN:HG2	1.78	0.66
5:Q:10:ARG:HB3	5:Q:67:GLN:HG2	1.77	0.66
13:1:318:HIS:NE2	14:1:505:CLA:NB	2.42	0.65
6:R:91:ILE:HG23	14:R:1301:CLA:HAA1	1.78	0.65
10:L:134:LEU:HD13	10:V:134:LEU:HD13	1.78	0.65
10:L:133:ILE:CG2	10:V:48:LEU:HD21	2.26	0.64
13:3:272:TYR:HB3	13:3:300:ARG:HB2	1.80	0.64
14:A:1126:CLA:H201	17:J:4012:BCR:H12C	1.80	0.64
14:B:1207:CLA:H42	18:V:5221:LHG:C25	2.27	0.64
6:F:91:ILE:HG23	14:F:1301:CLA:HAA1	1.78	0.64
14:H:1239:CLA:HBA2	15:H:2002:PQN:H251	1.80	0.64
14:H:1203:CLA:H152	14:H:1225:CLA:HBB2	1.79	0.64
14:G:1136:CLA:HBC1	18:V:5220:LHG:H282	1.80	0.63
18:A:5005:LHG:HC61	17:2:521:BCR:HC22	1.81	0.63
14:B:1203:CLA:H152	14:B:1225:CLA:HBB2	1.79	0.63
17:A:4011:BCR:H362	14:B:1012:CLA:H2	1.80	0.63
17:J:4013:BCR:H362	17:J:4012:BCR:H17C	1.81	0.63
18:G:5005:LHG:HC61	17:Z:521:BCR:HC22	1.81	0.63
14:B:1214:CLA:HBA2	14:B:1223:CLA:HBB2	1.80	0.63
14:B:1239:CLA:HBA2	15:B:2002:PQN:H251	1.80	0.63
17:V:4022:BCR:H333	21:V:5216:SQD:C14	2.29	0.63
17:L:4022:BCR:H333	21:L:5216:SQD:C14	2.29	0.62
17:T:4013:BCR:H362	17:T:4012:BCR:H17C	1.81	0.62
14:G:1013:CLA:HBA2	2:H:427:LEU:HD12	1.82	0.62
14:H:1214:CLA:HBA2	14:H:1223:CLA:HBB2	1.80	0.62
4:O:73:ARG:NH1	4:O:106:GLU:OE2	2.31	0.62
4:D:73:ARG:NH1	4:D:106:GLU:OE2	2.31	0.62
6:F:143:SER:HB2	13:4:14:TRP:CZ3	2.34	0.62
13:6:249:ILE:HG12	14:6:502:CLA:HAC1	1.82	0.62
14:G:1126:CLA:H201	17:T:4012:BCR:H12C	1.80	0.62
14:G:1101:CLA:H112	17:T:4013:BCR:H19C	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:1136:CLA:HBC1	18:L:5220:LHG:H282	1.80	0.62
13:6:272:TYR:HB3	13:6:300:ARG:HB2	1.81	0.62
14:A:1101:CLA:H112	17:J:4013:BCR:H19C	1.82	0.62
17:G:4011:BCR:H362	14:H:1012:CLA:H2	1.80	0.61
14:B:1209:CLA:H71	14:B:1209:CLA:HBB1	1.83	0.61
13:2:34:GLN:OE1	14:2:510:CLA:NC	2.34	0.61
14:B:1217:CLA:HBB1	17:B:4004:BCR:H14C	1.82	0.61
14:B:1226:CLA:H42	20:B:5002:LMG:H302	1.82	0.61
13:3:249:ILE:HG12	14:3:502:CLA:HAC1	1.81	0.61
14:H:1217:CLA:HBB1	17:H:4004:BCR:H14C	1.82	0.61
17:G:4011:BCR:H24C	14:H:1230:CLA:HMC2	1.82	0.61
1:A:752:TRP:NE1	14:A:1126:CLA:O1A	2.29	0.61
13:Z:34:GLN:OE1	14:Z:510:CLA:NC	2.34	0.61
14:A:1011:CLA:HAA1	14:B:1021:CLA:HMB1	1.83	0.61
14:A:1013:CLA:HBA2	2:B:427:LEU:HD12	1.82	0.61
14:H:1202:CLA:H8	14:H:1221:CLA:HBA2	1.83	0.61
1:A:86:TRP:HA	14:A:1105:CLA:HBB2	1.83	0.60
13:6:251:LEU:HD13	14:6:505:CLA:H122	1.82	0.60
1:G:86:TRP:HA	14:G:1105:CLA:HBB2	1.83	0.60
13:6:61:GLU:HG3	13:6:292:LEU:HD13	1.82	0.60
14:G:1011:CLA:HAA1	14:H:1021:CLA:HMB1	1.83	0.60
14:H:1226:CLA:H42	20:H:5002:LMG:H302	1.82	0.60
14:B:1202:CLA:H8	14:B:1221:CLA:HBA2	1.83	0.60
17:A:4011:BCR:H24C	14:B:1230:CLA:HMC2	1.82	0.60
1:G:494:PHE:HB3	14:G:1135:CLA:H11	1.84	0.60
4:D:32:TRP:NE1	4:D:50:MET:SD	2.72	0.60
2:B:151:PHE:HE2	21:B:1852:SQD:H102	1.66	0.60
2:H:15:ASP:HB3	2:H:20:ARG:HB2	1.84	0.60
14:A:1102:CLA:H43	14:A:1109:CLA:HMC2	1.84	0.60
1:A:490:LEU:HD22	17:L:4219:BCR:H331	1.84	0.60
14:B:1225:CLA:H12	17:B:4005:BCR:H393	1.84	0.60
13:6:34:GLN:OE1	14:6:510:CLA:NC	2.34	0.59
1:G:407:TRP:HB3	14:G:1126:CLA:HMC3	1.84	0.59
2:H:151:PHE:HE2	21:H:1852:SQD:H102	1.66	0.59
1:A:494:PHE:HB3	14:A:1135:CLA:H11	1.84	0.59
13:5:34:GLN:OE1	14:5:510:CLA:NC	2.35	0.59
1:G:490:LEU:HD22	17:V:4219:BCR:H331	1.84	0.59
14:A:1237:CLA:H141	10:L:85:LEU:HD11	1.85	0.59
13:6:316:GLN:NE2	14:6:518:CLA:O1A	2.34	0.59
2:H:456:GLU:OE1	6:R:68:HIS:ND1	2.35	0.59
14:B:1207:CLA:H42	18:V:5221:LHG:C24	2.32	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:607:LEU:HD21	14:G:1128:CLA:HBC1	1.83	0.59
14:G:1237:CLA:H141	10:V:85:LEU:HD11	1.85	0.59
14:B:1223:CLA:H122	17:B:4010:BCR:H17C	1.85	0.59
13:Z:267:TYR:O	13:Z:300:ARG:NH2	2.36	0.59
1:A:607:LEU:HD21	14:A:1128:CLA:HBC1	1.83	0.59
1:G:370:ILE:HD11	14:G:1119:CLA:H71	1.85	0.59
14:H:1225:CLA:H12	17:H:4005:BCR:H393	1.84	0.59
1:A:407:TRP:HB3	14:A:1126:CLA:HMC3	1.84	0.59
14:A:1103:CLA:H142	17:A:4003:BCR:H372	1.85	0.59
14:H:1209:CLA:H71	14:H:1209:CLA:HBB1	1.83	0.59
2:B:15:ASP:HB3	2:B:20:ARG:HB2	1.84	0.59
14:V:1501:CLA:H121	17:V:4022:BCR:HC8	1.85	0.59
14:B:1229:CLA:H192	17:F:4016:BCR:H17C	1.85	0.59
14:H:1229:CLA:H192	17:R:4016:BCR:H17C	1.85	0.59
1:A:551:ALA:HB1	14:A:1136:CLA:HMB3	1.85	0.58
15:G:2001:PQN:H162	17:H:4014:BCR:H382	1.85	0.58
15:A:2001:PQN:H162	17:B:4014:BCR:H382	1.85	0.58
10:L:160:ALA:HB1	10:L:165:VAL:HB	1.86	0.58
13:2:267:TYR:O	13:2:300:ARG:NH2	2.36	0.58
13:Y:145:HIS:NE2	14:Y:512:CLA:NA	2.51	0.58
9:U:51:LEU:O	14:U:1105:CLA:ND	2.37	0.58
13:3:34:GLN:OE1	14:3:510:CLA:NC	2.37	0.58
14:H:1225:CLA:H203	17:H:4006:BCR:H15C	1.86	0.58
14:L:1501:CLA:H121	17:L:4022:BCR:HC8	1.85	0.58
13:6:307:HIS:NE2	14:6:502:CLA:ND	2.52	0.58
1:G:551:ALA:HB2	14:G:1136:CLA:HMA1	1.86	0.58
14:G:1102:CLA:H43	14:G:1109:CLA:HMC2	1.84	0.58
14:H:1223:CLA:H122	17:H:4010:BCR:H17C	1.85	0.58
13:1:145:HIS:NE2	14:1:512:CLA:NA	2.51	0.58
12:X:2:LYS:HE2	12:X:169:LEU:HD12	1.86	0.58
13:Y:249:ILE:HG12	14:Y:502:CLA:HAC1	1.85	0.58
9:K:51:LEU:O	14:K:1105:CLA:ND	2.37	0.58
13:5:272:TYR:HB3	13:5:300:ARG:HB2	1.85	0.58
1:A:551:ALA:HB2	14:A:1136:CLA:HMA1	1.86	0.57
14:A:1132:CLA:H162	14:L:1502:CLA:HMB2	1.85	0.57
14:B:1240:CLA:HMA1	18:B:1842:LHG:H272	1.86	0.57
14:H:1235:CLA:H172	17:R:4016:BCR:H272	1.85	0.57
14:B:1204:CLA:H111	17:I:4018:BCR:HC21	1.85	0.57
14:G:1103:CLA:H142	17:G:4003:BCR:H372	1.85	0.57
14:G:1132:CLA:H162	14:V:1502:CLA:HMB2	1.85	0.57
4:O:32:TRP:NE1	4:O:50:MET:SD	2.72	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:P:2:LYS:HE2	12:P:169:LEU:HD12	1.86	0.57
1:G:277:THR:HB	9:U:14:TRP:HB2	1.86	0.57
1:G:551:ALA:HB1	14:G:1136:CLA:HMB3	1.85	0.57
13:4:175:ARG:NH2	13:4:176:LEU:O	2.37	0.57
1:G:412:LEU:HD21	14:G:1104:CLA:H142	1.87	0.57
14:H:1204:CLA:H111	17:S:4018:BCR:HC21	1.85	0.57
14:H:1216:CLA:HMB2	14:H:1221:CLA:HMA3	1.87	0.57
14:H:1229:CLA:HBB2	17:H:4014:BCR:HC41	1.86	0.57
14:H:1240:CLA:HMA1	18:H:1842:LHG:H272	1.86	0.57
1:A:370:ILE:HD11	14:A:1119:CLA:H71	1.85	0.57
14:B:1235:CLA:H172	17:F:4016:BCR:H272	1.85	0.57
18:G:5007:LHG:HC82	13:Z:297:HIS:NE2	2.19	0.57
14:B:1225:CLA:H203	17:B:4006:BCR:H15C	1.86	0.57
14:B:1210:CLA:H112	14:B:1210:CLA:H51	1.87	0.57
13:2:249:ILE:HG12	14:2:502:CLA:HAC1	1.87	0.57
1:A:278:LEU:HD21	9:K:72:ILE:HD12	1.87	0.57
14:B:1229:CLA:HBB2	17:B:4014:BCR:HC41	1.86	0.57
7:I:13:ILE:HD11	10:V:155:LEU:HD22	1.87	0.57
13:1:249:ILE:HG12	14:1:502:CLA:HAC1	1.85	0.57
2:H:603:GLN:HE21	2:H:732:LYS:HD3	1.70	0.57
1:A:160:VAL:HG22	18:A:5007:LHG:H281	1.87	0.56
13:4:34:GLN:OE1	14:4:510:CLA:NC	2.38	0.56
1:G:752:TRP:NE1	14:G:1126:CLA:O1A	2.29	0.56
14:A:1103:CLA:H121	17:A:4002:BCR:HC41	1.87	0.56
14:B:1216:CLA:HMB2	14:B:1221:CLA:HMA3	1.87	0.56
13:6:148:PHE:HD2	14:6:512:CLA:H3A	1.71	0.56
1:G:269:GLU:HG3	13:Y:294:PHE:HD1	1.71	0.56
1:A:216:GLN:HA	1:A:220:SER:HB2	1.87	0.56
1:A:277:THR:HB	9:K:14:TRP:HB2	1.86	0.56
18:A:5007:LHG:HC82	13:2:297:HIS:NE2	2.19	0.56
14:H:1218:CLA:H143	14:H:1218:CLA:HMC2	1.87	0.56
10:V:160:ALA:HB1	10:V:165:VAL:HB	1.86	0.56
14:2:517:CLA:HBB1	17:2:524:BCR:H352	1.88	0.56
14:5:507:CLA:HED2	14:5:507:CLA:H2A	1.88	0.56
1:A:412:LEU:HD21	14:A:1104:CLA:H142	1.87	0.56
14:G:1122:CLA:HBB2	18:G:5003:LHG:HC82	1.88	0.56
4:O:9:PRO:HD2	4:O:57:LEU:HD13	1.88	0.56
1:A:748:ILE:HG21	14:A:1126:CLA:HMC2	1.88	0.56
2:B:26:ALA:HA	14:B:1226:CLA:H43	1.88	0.56
4:D:9:PRO:HD2	4:D:57:LEU:HD13	1.88	0.56
17:V:4219:BCR:H382	18:V:5221:LHG:H332	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:23:THR:HG21	18:A:5008:LHG:HC91	1.87	0.56
2:B:25:ILE:HA	14:B:1201:CLA:HMD3	1.88	0.56
2:B:603:GLN:HE21	2:B:732:LYS:HD3	1.70	0.56
13:3:320:TRP:HH2	21:3:822:SQD:H462	1.69	0.56
14:G:1103:CLA:H121	17:G:4002:BCR:HC41	1.87	0.56
3:N:63:LEU:HD12	3:N:66:ARG:HH21	1.70	0.56
1:G:23:THR:HG21	18:G:5008:LHG:HC91	1.87	0.56
1:G:216:GLN:HA	1:G:220:SER:HB2	1.87	0.56
1:G:748:ILE:HG21	14:G:1126:CLA:HMC2	1.87	0.56
14:H:1210:CLA:H112	14:H:1210:CLA:H51	1.87	0.56
2:B:548:PRO:HB3	6:F:158:PRO:HG2	1.88	0.56
10:L:38:ARG:O	10:L:46:ARG:NH2	2.39	0.56
17:L:4219:BCR:H382	18:L:5221:LHG:H332	1.88	0.56
2:H:25:ILE:HA	14:H:1201:CLA:HMD3	1.88	0.56
1:G:160:VAL:HG22	18:G:5007:LHG:H281	1.87	0.55
10:V:38:ARG:O	10:V:46:ARG:NH2	2.39	0.55
1:A:589:PRO:HD3	2:B:561:GLY:HA2	1.89	0.55
13:1:34:GLN:OE1	14:1:510:CLA:NC	2.39	0.55
4:O:61:ARG:NH1	4:O:63:GLU:OE1	2.39	0.55
3:C:63:LEU:HD12	3:C:66:ARG:HH21	1.70	0.55
4:D:85:ILE:HB	4:D:98:HIS:HB3	1.88	0.55
4:O:85:ILE:HB	4:O:98:HIS:HB3	1.88	0.55
13:Z:249:ILE:HG12	14:Z:502:CLA:HAC1	1.87	0.55
2:B:61:VAL:HG21	14:B:1225:CLA:H42	1.88	0.55
14:B:1207:CLA:H42	18:V:5221:LHG:H241	1.89	0.55
4:D:31:THR:HA	4:D:55:ASN:O	2.06	0.55
14:4:508:CLA:HBB2	14:4:509:CLA:HED1	1.89	0.55
2:B:456:GLU:OE1	6:F:68:HIS:ND1	2.35	0.55
2:H:160:LYS:HB3	21:H:1852:SQD:S	2.47	0.55
14:H:1023:CLA:H122	17:S:4018:BCR:H281	1.89	0.55
4:O:31:THR:HA	4:O:55:ASN:O	2.06	0.55
14:Z:517:CLA:HBB1	17:Z:524:BCR:H352	1.87	0.55
14:L:1501:CLA:H102	14:L:1503:CLA:H122	1.89	0.55
12:P:42:SER:O	12:P:45:ASN:ND2	2.38	0.55
13:1:301:ALA:O	13:1:305:ASN:ND2	2.39	0.55
1:G:459:LEU:HB3	1:G:552:PHE:HB2	1.89	0.55
13:Y:301:ALA:O	13:Y:305:ASN:ND2	2.39	0.55
14:B:1239:CLA:HBB1	17:B:4017:BCR:H363	1.89	0.55
10:L:83:VAL:HG11	10:V:142:PHE:CE1	2.42	0.55
2:H:351:HIS:ND1	14:H:1214:CLA:OBD	2.40	0.55
2:H:548:PRO:HB3	6:R:158:PRO:HG2	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:269:GLU:HG3	13:1:294:PHE:HD1	1.70	0.55
14:B:1207:CLA:H193	18:V:5221:LHG:H222	1.88	0.55
3:C:15:THR:HG22	3:C:28:MET:HG3	1.89	0.55
4:D:117:LYS:NZ	4:D:119:ASP:OD1	2.40	0.55
2:B:160:LYS:HB3	21:B:1852:SQD:S	2.47	0.55
13:6:110:HIS:NE2	14:6:513:CLA:NB	2.55	0.55
14:G:1119:CLA:HMB2	14:G:1123:CLA:HMA3	1.89	0.55
3:N:15:THR:HG22	3:N:28:MET:HG3	1.89	0.55
14:V:1501:CLA:H102	14:V:1503:CLA:H122	1.89	0.55
14:A:1122:CLA:HBB2	18:A:5003:LHG:HC82	1.88	0.55
14:B:1218:CLA:H143	14:B:1218:CLA:HMC2	1.87	0.55
14:B:1231:CLA:H71	17:B:4010:BCR:H313	1.89	0.55
1:G:278:LEU:HD21	9:U:72:ILE:HD12	1.87	0.55
2:H:26:ALA:HA	14:H:1226:CLA:H43	1.88	0.55
13:Y:34:GLN:OE1	14:Y:510:CLA:NC	2.39	0.55
1:A:459:LEU:HB3	1:A:552:PHE:HB2	1.89	0.54
2:B:351:HIS:ND1	14:B:1214:CLA:OBD	2.40	0.54
4:D:61:ARG:NH1	4:D:63:GLU:OE1	2.39	0.54
1:G:683:LEU:HD21	14:G:1126:CLA:H142	1.88	0.54
18:G:5004:LHG:H102	13:Z:282:VAL:HG13	1.89	0.54
10:V:33:ALA:HB1	14:V:1501:CLA:HAC1	1.89	0.54
2:B:66:PHE:HZ	11:M:6:VAL:HG13	1.72	0.54
10:L:33:ALA:HB1	14:L:1501:CLA:HAC1	1.89	0.54
10:L:94:SER:CB	14:V:1501:CLA:HMD1	2.34	0.54
13:4:109:PHE:HE1	13:4:113:ARG:HH21	1.55	0.54
13:6:319:LEU:HD21	14:6:505:CLA:HMB3	1.90	0.54
14:A:1119:CLA:HMB2	14:A:1123:CLA:HMA3	1.89	0.54
13:5:148:PHE:HD2	14:5:512:CLA:H3A	1.73	0.54
14:G:1011:CLA:HMB1	14:H:1021:CLA:HAA1	1.88	0.54
2:H:61:VAL:HG21	14:H:1225:CLA:H42	1.88	0.54
4:O:58:TYR:H	10:V:13:GLU:HG2	1.72	0.54
13:6:200:LEU:HG	13:6:265:LEU:HD11	1.90	0.54
4:D:58:TYR:H	10:L:13:GLU:HG2	1.72	0.54
13:2:307:HIS:NE2	14:2:502:CLA:NA	2.56	0.54
1:G:589:PRO:HD3	2:H:561:GLY:HA2	1.88	0.54
13:Y:110:HIS:NE2	14:Y:513:CLA:NB	2.56	0.54
1:A:683:LEU:HD21	14:A:1126:CLA:H142	1.88	0.54
14:B:1023:CLA:H122	17:I:4018:BCR:H281	1.89	0.54
13:1:110:HIS:NE2	14:1:513:CLA:NB	2.56	0.54
13:4:140:LEU:HA	13:4:222:ILE:HG22	1.90	0.54
13:6:145:HIS:NE2	14:6:512:CLA:NA	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:524:ALA:HB2	14:H:1235:CLA:HMA1	1.90	0.54
13:Z:307:HIS:NE2	14:Z:502:CLA:NA	2.56	0.54
4:O:39:VAL:HG22	4:O:49:VAL:HG22	1.90	0.54
2:B:524:ALA:HB2	14:B:1235:CLA:HMA1	1.90	0.54
12:P:9:THR:HB	12:P:14:THR:HB	1.89	0.54
13:3:145:HIS:NE2	14:3:512:CLA:NA	2.55	0.54
12:P:62:LEU:HD21	12:P:105:LEU:HG	1.90	0.54
18:V:5220:LHG:H311	18:V:5220:LHG:H171	1.90	0.54
2:B:117:TYR:HA	2:B:367:THR:HG22	1.89	0.54
13:5:177:VAL:HG13	13:5:201:GLU:HG2	1.90	0.54
14:6:505:CLA:H12	17:6:524:BCR:H312	1.89	0.54
2:H:117:TYR:HA	2:H:367:THR:HG22	1.89	0.54
12:X:9:THR:HB	12:X:14:THR:HB	1.89	0.54
14:A:1011:CLA:HMB1	14:B:1021:CLA:HAA1	1.88	0.53
12:X:42:SER:O	12:X:45:ASN:ND2	2.38	0.53
13:Z:200:LEU:HG	13:Z:265:LEU:HD11	1.90	0.53
14:B:1220:CLA:HAA1	17:B:4009:BCR:H16C	1.91	0.53
13:2:200:LEU:HG	13:2:265:LEU:HD11	1.90	0.53
13:2:226:PRO:HA	14:2:506:CLA:HED3	1.91	0.53
13:5:119:ALA:O	13:5:126:LYS:NZ	2.41	0.53
14:H:1220:CLA:HAA1	17:H:4009:BCR:H16C	1.91	0.53
14:H:1231:CLA:H71	17:H:4010:BCR:H313	1.89	0.53
13:Z:148:PHE:HD2	14:Z:512:CLA:H3A	1.74	0.53
8:J:12:PRO:HB2	17:J:4013:BCR:H381	1.90	0.53
14:G:1119:CLA:H61	17:G:4007:BCR:H352	1.90	0.53
14:H:1229:CLA:HAB	17:H:4014:BCR:H323	1.91	0.53
12:X:62:LEU:HD21	12:X:105:LEU:HG	1.90	0.53
18:A:5004:LHG:H102	13:2:282:VAL:HG13	1.89	0.53
13:6:276:LEU:HD11	13:6:300:ARG:HG2	1.89	0.53
2:H:66:PHE:HZ	11:W:6:VAL:HG13	1.72	0.53
14:H:1208:CLA:HMD3	21:H:1852:SQD:H101	1.91	0.53
1:A:16:VAL:HA	1:A:185:PRO:HA	1.91	0.53
13:4:310:LEU:HB3	14:4:502:CLA:HMC3	1.91	0.53
14:H:1239:CLA:HBB1	17:H:4017:BCR:H363	1.89	0.53
14:4:517:CLA:H2A	14:4:517:CLA:HED2	1.91	0.53
13:6:73:LEU:O	13:6:159:LYS:NZ	2.42	0.53
14:Z:513:CLA:HBB1	17:Z:523:BCR:H24C	1.90	0.53
1:G:16:VAL:HA	1:G:185:PRO:HA	1.91	0.53
14:B:1234:CLA:H52	14:F:1302:CLA:HBB2	1.91	0.53
8:T:12:PRO:HB2	17:T:4013:BCR:H381	1.90	0.53
4:D:39:VAL:HG22	4:D:49:VAL:HG22	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:2:148:PHE:HD2	14:2:512:CLA:H3A	1.74	0.53
9:U:47:PRO:HG2	21:Y:822:SQD:H262	1.91	0.53
13:6:177:VAL:HG13	13:6:201:GLU:HG2	1.91	0.53
4:D:79:LYS:HZ3	12:P:92:VAL:HG13	1.73	0.52
14:2:513:CLA:HBB1	17:2:523:BCR:H24C	1.90	0.52
13:4:146:LEU:HD22	13:4:214:LEU:HD22	1.91	0.52
1:G:598:SER:OG	1:G:601:ASP:OD2	2.26	0.52
13:Z:226:PRO:HA	14:Z:506:CLA:HED3	1.91	0.52
2:H:191:THR:HG21	2:H:278:LEU:HB2	1.91	0.52
1:A:598:SER:OG	1:A:601:ASP:OD2	2.26	0.52
2:B:191:THR:HG21	2:B:278:LEU:HB2	1.91	0.52
1:G:79:HIS:HB2	14:G:1103:CLA:HMB2	1.92	0.52
14:G:1237:CLA:H152	17:V:4020:BCR:H16C	1.91	0.52
2:H:158:GLN:HB3	21:H:1852:SQD:H5	1.92	0.52
2:H:181:GLY:HA3	14:H:1210:CLA:HBB1	1.91	0.52
2:H:656:ILE:HG12	14:H:1239:CLA:HMB3	1.91	0.52
13:Z:193:HIS:HB2	13:Z:196:SER:HB3	1.91	0.52
1:A:79:HIS:HB2	14:A:1103:CLA:HMB2	1.92	0.52
14:A:1124:CLA:HAB	17:A:4008:BCR:H311	1.92	0.52
14:B:1235:CLA:H102	14:B:1235:CLA:HMC2	1.91	0.52
13:2:193:HIS:HB2	13:2:196:SER:HB3	1.91	0.52
12:X:66:TRP:HA	12:X:69:ILE:HG22	1.91	0.52
1:A:708:LEU:HD21	14:A:1013:CLA:HED2	1.92	0.52
14:H:1204:CLA:HHB	14:H:1205:CLA:HHB	1.92	0.52
12:P:66:TRP:HA	12:P:69:ILE:HG22	1.91	0.52
2:H:69:ALA:HB2	2:H:135:LEU:HB2	1.92	0.52
14:A:1118:CLA:H3A	9:K:61:LEU:HD23	1.91	0.52
2:B:69:ALA:HB2	2:B:135:LEU:HB2	1.92	0.52
2:B:656:ILE:HG12	14:B:1239:CLA:HMB3	1.92	0.52
9:K:47:PRO:HG2	21:1:822:SQD:H262	1.91	0.52
1:A:315:LEU:HD13	14:A:1116:CLA:HMC1	1.91	0.52
18:L:5220:LHG:H311	18:L:5220:LHG:H171	1.90	0.52
13:1:148:PHE:HZ	14:1:516:CLA:CBC	2.22	0.52
14:G:1124:CLA:HAB	17:G:4008:BCR:H311	1.92	0.52
2:H:151:PHE:CE2	21:H:1852:SQD:H102	2.45	0.52
2:H:422:LEU:HD13	2:H:532:LEU:HA	1.92	0.52
14:H:1238:CLA:H2	14:H:1239:CLA:H122	1.92	0.52
15:H:2002:PQN:H242	17:H:4017:BCR:H17C	1.92	0.52
2:B:338:LEU:HD21	14:B:1226:CLA:HAB	1.92	0.52
14:B:1203:CLA:H191	20:B:5002:LMG:H252	1.92	0.52
10:L:98:ASN:ND2	10:V:39:ARG:O	2.43	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:L:4022:BCR:H333	21:L:5216:SQD:H142	1.92	0.52
14:3:513:CLA:HBB1	17:3:523:BCR:H402	1.92	0.52
13:6:301:ALA:O	13:6:305:ASN:ND2	2.41	0.52
1:A:230:ILE:HG12	1:A:244:ALA:HA	1.92	0.52
14:B:1227:CLA:HMC2	14:B:1240:CLA:H142	1.92	0.52
14:B:1229:CLA:HAB	17:B:4014:BCR:H323	1.91	0.52
13:4:272:TYR:HB3	13:4:300:ARG:HB2	1.91	0.52
13:5:249:ILE:HG12	14:5:502:CLA:HAC1	1.92	0.52
14:H:1012:CLA:H201	17:T:4012:BCR:H362	1.91	0.52
4:O:79:LYS:HZ3	12:X:92:VAL:HG13	1.75	0.52
14:B:1204:CLA:HHB	14:B:1205:CLA:HHB	1.92	0.51
14:B:1208:CLA:HMD3	21:B:1852:SQD:H101	1.91	0.51
14:B:1238:CLA:H2	14:B:1239:CLA:H122	1.92	0.51
9:K:29:ALA:HA	9:K:32:ILE:HG22	1.92	0.51
12:P:62:LEU:HD23	12:P:101:ALA:HB1	1.92	0.51
12:P:3:ILE:HB	12:P:31:VAL:HG22	1.93	0.51
12:X:62:LEU:HD23	12:X:101:ALA:HB1	1.92	0.51
13:Y:34:GLN:HG2	14:Y:509:CLA:HHB	1.93	0.51
14:G:1120:CLA:HMD2	17:G:4001:BCR:H24C	1.93	0.51
14:H:1203:CLA:H191	20:H:5002:LMG:H252	1.92	0.51
3:N:22:PRO:HG2	3:N:23:LEU:HD12	1.92	0.51
14:A:1119:CLA:H61	17:A:4007:BCR:H352	1.90	0.51
14:A:1237:CLA:H152	17:L:4020:BCR:H16C	1.91	0.51
12:P:37:ALA:HB2	12:P:65:ASP:OD2	2.11	0.51
1:A:573:LEU:O	4:D:61:ARG:NH2	2.42	0.51
14:B:1229:CLA:H61	17:F:4016:BCR:HC32	1.93	0.51
13:3:168:ASP:OD2	13:3:175:ARG:NH2	2.42	0.51
1:G:315:LEU:HD13	14:G:1116:CLA:HMC1	1.91	0.51
13:Y:148:PHE:HZ	14:Y:516:CLA:CBC	2.22	0.51
13:Y:251:LEU:HB2	14:Y:505:CLA:HMC1	1.93	0.51
1:G:381:HIS:ND1	14:G:1116:CLA:OBD	2.44	0.51
14:G:1118:CLA:H3A	9:U:61:LEU:HD23	1.91	0.51
18:G:5004:LHG:H302	18:G:5006:LHG:H331	1.92	0.51
14:H:1235:CLA:HMC2	14:H:1235:CLA:H102	1.91	0.51
1:A:86:TRP:NE1	14:A:1126:CLA:OBD	2.43	0.51
2:B:422:LEU:HD13	2:B:532:LEU:HA	1.92	0.51
10:L:64:ILE:HD12	10:L:160:ALA:HB2	1.93	0.51
13:1:34:GLN:HG2	14:1:509:CLA:HHB	1.93	0.51
14:A:1117:CLA:H203	14:A:1125:CLA:HAA1	1.93	0.51
2:B:181:GLY:HA3	14:B:1210:CLA:HBB1	1.91	0.51
3:C:22:PRO:HG2	3:C:23:LEU:HD12	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:742:HIS:CE1	14:G:1140:CLA:NA	2.79	0.51
10:V:64:ILE:HD12	10:V:160:ALA:HB2	1.93	0.51
1:A:381:HIS:ND1	14:A:1116:CLA:OBD	2.44	0.51
14:A:1129:CLA:HBB2	14:A:1137:CLA:HMC2	1.93	0.51
14:B:1012:CLA:H201	17:J:4012:BCR:H362	1.91	0.51
14:B:1208:CLA:HBB2	14:B:1210:CLA:HMA3	1.93	0.51
13:5:145:HIS:NE2	14:5:512:CLA:NA	2.59	0.51
17:6:522:BCR:HC41	13:Y:258:TYR:HB2	1.93	0.51
1:G:230:ILE:HG12	1:G:244:ALA:HA	1.92	0.51
2:H:60:TRP:NE1	14:H:1224:CLA:OBD	2.44	0.51
2:H:611:GLU:OE2	6:R:36:ARG:NH1	2.43	0.51
2:H:687:LEU:HB2	17:V:4020:BCR:H282	1.92	0.51
9:U:74:VAL:HG23	14:U:1401:CLA:HMC3	1.93	0.51
1:A:424:MET:HE1	1:A:442:LEU:HD11	1.93	0.50
2:B:60:TRP:NE1	14:B:1224:CLA:OBD	2.44	0.50
13:3:148:PHE:HD2	14:3:512:CLA:H3A	1.76	0.50
13:6:177:VAL:HG21	13:6:204:VAL:HG21	1.91	0.50
13:6:190:TYR:HD2	17:6:524:BCR:H401	1.76	0.50
1:G:708:LEU:HD21	14:G:1013:CLA:HED2	1.92	0.50
18:G:5008:LHG:C7	13:Z:13:TRP:HE1	2.24	0.50
1:A:742:HIS:CE1	14:A:1140:CLA:NA	2.79	0.50
14:A:1118:CLA:HBB1	17:K:4104:BCR:H342	1.94	0.50
13:6:146:LEU:HD21	14:6:506:CLA:HAB	1.92	0.50
1:G:345:THR:HG21	18:G:5003:LHG:HC11	1.94	0.50
14:H:1234:CLA:H52	14:R:1302:CLA:HBB2	1.91	0.50
4:O:121:ARG:NH1	5:Q:65:GLU:OE2	2.44	0.50
14:B:1219:CLA:HBA2	14:B:1219:CLA:H43	1.93	0.50
13:1:251:LEU:HB2	14:1:505:CLA:HMC1	1.93	0.50
13:2:34:GLN:HG2	14:2:509:CLA:HBB	1.93	0.50
13:4:70:LEU:HD21	14:4:503:CLA:HED2	1.93	0.50
13:4:135:PRO:HB2	13:4:226:PRO:HD2	1.94	0.50
18:A:5004:LHG:H302	18:A:5006:LHG:H331	1.92	0.50
2:B:158:GLN:HB3	21:B:1852:SQD:H5	1.92	0.50
15:B:2002:PQN:H242	17:B:4017:BCR:H17C	1.92	0.50
4:D:31:THR:O	4:D:83:TYR:HA	2.12	0.50
4:D:121:ARG:NH1	5:E:65:GLU:OE2	2.44	0.50
9:K:74:VAL:HG23	14:K:1401:CLA:HMC3	1.93	0.50
10:L:41:LEU:O	10:L:46:ARG:NH1	2.45	0.50
13:4:161:THR:HA	13:4:177:VAL:HB	1.93	0.50
13:6:136:LYS:HG3	13:6:225:PRO:HB3	1.92	0.50
18:G:5009:LHG:H131	17:Y:521:BCR:H313	1.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:G:1848:LMU:H5B	17:T:4013:BCR:HC21	1.94	0.50
4:O:117:LYS:NZ	4:O:119:ASP:OD1	2.40	0.50
17:V:4022:BCR:H333	21:V:5216:SQD:H142	1.92	0.50
12:X:3:ILE:HB	12:X:31:VAL:HG22	1.93	0.50
12:X:37:ALA:HB2	12:X:65:ASP:OD2	2.11	0.50
1:A:441:VAL:HG11	14:A:1119:CLA:H192	1.94	0.50
19:A:1848:LMU:O6B	8:J:31:ARG:NH1	2.44	0.50
14:H:1208:CLA:HBB2	14:H:1210:CLA:HMA3	1.93	0.50
14:H:1227:CLA:HMC2	14:H:1240:CLA:H142	1.92	0.50
9:U:29:ALA:HA	9:U:32:ILE:HG22	1.92	0.50
18:A:5009:LHG:H131	17:1:521:BCR:H313	1.94	0.50
17:L:4022:BCR:H333	21:L:5216:SQD:H141	1.93	0.50
13:4:230:THR:HG23	13:4:234:LEU:HD12	1.92	0.50
13:6:146:LEU:HD22	13:6:214:LEU:HD22	1.91	0.50
1:G:692:ALA:HB3	14:G:1013:CLA:HBB2	1.94	0.50
2:H:338:LEU:HD21	14:H:1226:CLA:HAB	1.92	0.50
14:H:1218:CLA:HMD2	17:H:4004:BCR:H23C	1.93	0.50
2:B:127:ILE:HG12	2:B:190:TRP:HH2	1.77	0.50
2:B:710:LEU:HD23	20:B:5002:LMG:H362	1.94	0.50
13:2:110:HIS:NE2	14:2:513:CLA:NB	2.60	0.50
14:G:1129:CLA:HBB2	14:G:1137:CLA:HMC2	1.93	0.50
2:H:452:GLN:NE2	2:H:614:THR:OG1	2.45	0.50
2:B:311:PRO:HD2	18:B:1842:LHG:HC31	1.94	0.50
2:B:452:GLN:NE2	2:B:614:THR:OG1	2.45	0.50
14:B:1206:CLA:H2A	14:B:1206:CLA:HED3	1.93	0.50
13:4:263:ASN:HD21	13:4:265:LEU:HB3	1.77	0.50
14:H:1219:CLA:HBA2	14:H:1219:CLA:H43	1.93	0.50
14:H:1229:CLA:H61	17:R:4016:BCR:HC32	1.93	0.50
14:A:1119:CLA:H101	17:A:4008:BCR:H10C	1.94	0.50
18:A:5008:LHG:C7	13:2:13:TRP:HE1	2.24	0.50
13:2:261:ALA:HA	13:2:276:LEU:HD12	1.94	0.50
1:G:424:MET:HE1	1:G:442:LEU:HD11	1.94	0.50
14:G:1117:CLA:H203	14:G:1125:CLA:HAA1	1.93	0.50
19:G:1848:LMU:O6B	8:T:31:ARG:NH1	2.44	0.50
17:V:4022:BCR:H333	21:V:5216:SQD:H141	1.94	0.50
2:H:311:PRO:HD2	18:H:1842:LHG:HC31	1.94	0.49
2:H:714:THR:HG21	20:H:5002:LMG:H402	1.94	0.49
18:H:1855:LHG:H192	14:R:1302:CLA:HBB1	1.94	0.49
13:Y:148:PHE:CE2	14:Y:512:CLA:HBB	2.47	0.49
13:Z:261:ALA:HA	13:Z:276:LEU:HD12	1.94	0.49
1:A:626:GLN:HE21	1:A:759:ILE:HD13	1.78	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:1120:CLA:HMD2	17:A:4001:BCR:H24C	1.93	0.49
14:A:1237:CLA:HAB	2:B:691:VAL:HG11	1.94	0.49
19:A:1848:LMU:H5B	17:J:4013:BCR:HC21	1.94	0.49
13:6:59:MET:HB2	13:6:271:PHE:HA	1.93	0.49
14:A:1106:CLA:HMB2	17:J:4012:BCR:H373	1.93	0.49
14:A:1134:CLA:HMB1	17:A:4008:BCR:H291	1.93	0.49
2:B:151:PHE:CE2	21:B:1852:SQD:H102	2.45	0.49
18:B:1855:LHG:H192	14:F:1302:CLA:HBB1	1.94	0.49
13:1:148:PHE:CE2	14:1:512:CLA:HHB	2.47	0.49
14:4:513:CLA:HBB1	17:4:523:BCR:H402	1.94	0.49
14:G:1106:CLA:HMC3	14:G:1107:CLA:HMD2	1.94	0.49
14:G:1119:CLA:H101	17:G:4008:BCR:H10C	1.94	0.49
12:P:78:PHE:HB3	12:P:114:SER:HB3	1.95	0.49
14:G:1106:CLA:HMB2	17:T:4012:BCR:H373	1.93	0.49
14:G:1134:CLA:HMB1	17:G:4008:BCR:H291	1.93	0.49
14:H:1206:CLA:H2A	14:H:1206:CLA:HED3	1.93	0.49
14:H:1228:CLA:HBC1	14:H:1234:CLA:H18	1.94	0.49
4:O:31:THR:O	4:O:83:TYR:HA	2.12	0.49
10:V:41:LEU:O	10:V:46:ARG:NH1	2.45	0.49
13:Z:110:HIS:NE2	14:Z:513:CLA:NB	2.60	0.49
14:B:1202:CLA:HBD	14:B:1202:CLA:H122	1.93	0.49
1:G:360:TRP:HB3	14:G:1103:CLA:HAC1	1.94	0.49
1:G:695:LEU:HB2	14:G:1013:CLA:HMC3	1.94	0.49
2:H:710:LEU:HD23	20:H:5002:LMG:H362	1.94	0.49
14:A:1117:CLA:H8	14:A:1117:CLA:HAB	1.95	0.49
2:B:158:GLN:HG3	21:B:1852:SQD:H1	1.94	0.49
14:B:1218:CLA:HMD2	17:B:4004:BCR:H23C	1.93	0.49
14:B:1228:CLA:HBC1	14:B:1234:CLA:H18	1.94	0.49
3:C:58:CYS:HB3	3:C:63:LEU:HD22	1.95	0.49
6:F:126:LYS:HB2	13:3:13:TRP:CE2	2.48	0.49
13:6:282:VAL:HG23	13:6:283:THR:HG23	1.94	0.49
1:G:86:TRP:NE1	14:G:1126:CLA:OBD	2.43	0.49
1:G:441:VAL:HG11	14:G:1119:CLA:H192	1.94	0.49
14:G:1118:CLA:HBB1	17:U:4104:BCR:H342	1.94	0.49
2:H:127:ILE:HG12	2:H:190:TRP:HH2	1.77	0.49
13:Z:34:GLN:HG2	14:Z:509:CLA:HHB	1.93	0.49
1:A:377:ILE:HG21	14:A:1117:CLA:H201	1.95	0.49
1:A:345:THR:HG21	18:A:5003:LHG:HC11	1.94	0.49
1:A:589:PRO:HB3	2:B:559:CYS:SG	2.53	0.49
2:B:687:LEU:HB2	17:L:4020:BCR:H282	1.93	0.49
1:G:377:ILE:HG21	14:G:1117:CLA:H201	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:Y:143:GLY:HA3	13:Y:222:ILE:HG13	1.94	0.49
14:A:1106:CLA:HMC3	14:A:1107:CLA:HMD2	1.94	0.49
13:5:221:HIS:CE1	14:5:506:CLA:NA	2.81	0.49
18:G:5008:LHG:HC5	13:Z:13:TRP:NE1	2.28	0.49
2:H:158:GLN:HG3	21:H:1852:SQD:H1	1.94	0.49
14:H:1202:CLA:HBD	14:H:1202:CLA:H122	1.93	0.49
6:F:143:SER:HB2	13:4:14:TRP:CH2	2.48	0.49
13:4:276:LEU:HG	13:4:300:ARG:HD2	1.93	0.49
3:N:58:CYS:HB3	3:N:63:LEU:HD22	1.95	0.49
1:A:300:LEU:HD21	1:A:385:MET:HB3	1.95	0.48
13:1:143:GLY:HA3	13:1:222:ILE:HG13	1.94	0.48
1:G:429:ASP:O	1:G:433:ASN:ND2	2.46	0.48
1:G:589:PRO:HB3	2:H:559:CYS:SG	2.53	0.48
14:A:1137:CLA:H41	14:A:1137:CLA:H62	1.64	0.48
18:I:5001:LHG:HC62	21:V:5216:SQD:H242	1.95	0.48
9:K:43:GLY:HA3	9:K:58:PRO:HG2	1.94	0.48
13:2:148:PHE:CE2	14:2:512:CLA:HHB	2.48	0.48
13:4:273:GLY:O	13:4:300:ARG:NH2	2.39	0.48
13:5:67:LEU:HD22	13:5:89:LEU:HD13	1.95	0.48
17:L:4219:BCR:H14C	18:L:5220:LHG:H331	1.95	0.48
1:A:692:ALA:HB3	14:A:1013:CLA:HBB2	1.94	0.48
18:A:5008:LHG:HC5	13:2:13:TRP:NE1	2.28	0.48
2:H:15:ASP:OD2	2:H:19:ARG:NH2	2.47	0.48
12:X:78:PHE:HB3	12:X:114:SER:HB3	1.95	0.48
2:B:151:PHE:CZ	21:B:1852:SQD:H252	2.49	0.48
2:B:611:GLU:OE2	6:F:36:ARG:NH1	2.43	0.48
10:L:133:ILE:HG21	10:V:48:LEU:HD21	1.93	0.48
1:G:626:GLN:HE21	1:G:759:ILE:HD13	1.78	0.48
13:Z:30:ALA:HB2	14:Z:511:CLA:HMA1	1.94	0.48
2:B:498:LEU:HA	2:B:501:ILE:HG22	1.95	0.48
2:B:714:THR:HG21	20:B:5002:LMG:H402	1.94	0.48
13:2:49:GLU:HB3	13:2:64:LEU:HD22	1.96	0.48
13:4:59:MET:HB2	13:4:271:PHE:HA	1.96	0.48
13:5:148:PHE:CE2	14:5:512:CLA:HHB	2.49	0.48
14:G:1108:CLA:HBB2	14:G:1111:CLA:HMA3	1.95	0.48
14:G:1129:CLA:HAB	14:G:1137:CLA:HBB2	1.96	0.48
14:G:1101:CLA:HHC	14:G:1101:CLA:HBB1	1.96	0.48
9:U:43:GLY:HA3	9:U:58:PRO:HG2	1.94	0.48
13:Z:49:GLU:HB3	13:Z:64:LEU:HD22	1.96	0.48
1:A:360:TRP:HB3	14:A:1103:CLA:HAC1	1.94	0.48
1:A:429:ASP:O	1:A:433:ASN:ND2	2.46	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L:21:ILE:HD13	18:L:5218:LHG:H302	1.96	0.48
13:6:20:PHE:HA	13:6:23:LEU:HD12	1.94	0.48
14:6:519:CLA:HED2	14:6:519:CLA:H2A	1.96	0.48
14:G:1121:CLA:HAB	14:G:1801:CLA:HAB	1.96	0.48
1:A:695:LEU:HB2	14:A:1013:CLA:HMC3	1.94	0.48
14:A:1104:CLA:H62	14:A:1104:CLA:H41	1.61	0.48
14:A:1121:CLA:HAB	14:A:1801:CLA:HAB	1.96	0.48
2:B:377:TYR:HB3	14:B:1224:CLA:HMC3	1.96	0.48
13:4:38:ILE:HG12	14:4:510:CLA:HMC2	1.96	0.48
13:6:78:GLY:N	13:6:82:GLN:O	2.47	0.48
1:G:573:LEU:O	4:O:61:ARG:NH2	2.42	0.48
14:G:1115:CLA:H62	14:G:1115:CLA:H41	1.65	0.48
14:G:1237:CLA:HAB	2:H:691:VAL:HG11	1.94	0.48
2:H:722:ALA:HB2	14:H:1224:CLA:HBB1	1.95	0.48
4:O:79:LYS:NZ	12:X:92:VAL:HG13	2.29	0.48
13:Z:67:LEU:HD22	13:Z:89:LEU:HD13	1.95	0.48
2:B:493:TYR:HE1	14:B:1231:CLA:HED1	1.79	0.48
13:2:30:ALA:HB2	14:2:511:CLA:HMA1	1.94	0.48
14:G:1139:CLA:HMC2	17:H:4014:BCR:H381	1.96	0.48
4:O:101:ASP:OD1	4:O:101:ASP:N	2.47	0.48
13:Z:148:PHE:CE2	14:Z:512:CLA:HBB	2.48	0.48
14:A:1108:CLA:HBB2	14:A:1111:CLA:HMA3	1.95	0.48
6:F:118:VAL:HA	8:J:10:SER:HA	1.96	0.48
13:2:67:LEU:HD22	13:2:89:LEU:HD13	1.95	0.48
13:3:320:TRP:CH2	21:3:822:SQD:H462	2.49	0.48
13:4:276:LEU:HB3	13:4:286:PHE:HB3	1.96	0.48
13:5:282:VAL:HG23	13:5:283:THR:HG23	1.95	0.48
14:G:1117:CLA:H8	14:G:1117:CLA:HAB	1.95	0.48
10:V:90:THR:HG21	10:V:133:ILE:HD12	1.96	0.48
17:V:4219:BCR:H14C	18:V:5220:LHG:H331	1.95	0.48
14:A:1114:CLA:HBB1	18:A:5005:LHG:H301	1.95	0.47
4:D:79:LYS:NZ	12:P:92:VAL:HG13	2.29	0.47
13:3:38:ILE:HG12	14:3:510:CLA:HMC2	1.96	0.47
13:4:147:LEU:HD12	13:4:215:ILE:HG12	1.96	0.47
1:G:219:VAL:HG13	1:G:252:PRO:HB3	1.96	0.47
1:G:616:ILE:HD12	14:G:1011:CLA:H122	1.96	0.47
14:G:1114:CLA:HBB1	18:G:5005:LHG:H301	1.95	0.47
1:A:577:LYS:NZ	2:B:673:GLU:OE2	2.43	0.47
14:A:1109:CLA:H72	14:A:1101:CLA:HBB2	1.96	0.47
14:A:1115:CLA:HBC1	14:A:1116:CLA:H121	1.96	0.47
2:B:15:ASP:OD2	2:B:19:ARG:NH2	2.47	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:722:ALA:HB2	14:B:1224:CLA:HBB1	1.95	0.47
4:D:37:GLU:HA	4:D:50:MET:O	2.14	0.47
14:A:1139:CLA:HMC2	17:B:4014:BCR:H381	1.96	0.47
10:L:90:THR:HG21	10:L:133:ILE:HD12	1.96	0.47
13:3:267:TYR:O	13:3:300:ARG:NH2	2.39	0.47
14:G:1103:CLA:H3A	14:G:1103:CLA:HBA1	1.57	0.47
2:H:151:PHE:CZ	21:H:1852:SQD:H252	2.49	0.47
5:Q:28:VAL:HG22	5:Q:37:VAL:HG13	1.96	0.47
1:A:485:ASP:OD1	1:A:491:GLN:NE2	2.45	0.47
2:B:114:ASN:ND2	14:B:1206:CLA:OBD	2.47	0.47
14:B:1204:CLA:H3A	14:B:1205:CLA:HMB3	1.97	0.47
2:H:493:TYR:HE1	14:H:1231:CLA:HED1	1.79	0.47
14:H:1227:CLA:HAB	14:H:1236:CLA:HBB2	1.97	0.47
1:A:258:VAL:O	1:A:262:SER:HB2	2.15	0.47
14:A:1124:CLA:HMB2	14:A:1137:CLA:HBA1	1.97	0.47
17:6:522:BCR:H352	13:Y:315:LEU:HD21	1.95	0.47
14:G:1130:CLA:H61	14:G:1130:CLA:H41	1.70	0.47
2:H:301:ILE:HG23	14:H:1216:CLA:HED2	1.97	0.47
2:H:498:LEU:HA	2:H:501:ILE:HG22	1.94	0.47
14:H:1204:CLA:H3A	14:H:1205:CLA:HMB3	1.97	0.47
6:R:118:VAL:HA	8:T:10:SER:HA	1.96	0.47
14:Y:518:CLA:HED2	14:Y:518:CLA:H2A	1.96	0.47
13:Z:145:HIS:NE2	14:Z:512:CLA:NA	2.62	0.47
14:Z:501:CLA:C4D	14:Z:503:CLA:H2	2.44	0.47
2:B:142:LEU:HG	17:B:4006:BCR:H382	1.96	0.47
13:1:261:ALA:HA	13:1:276:LEU:HD12	1.96	0.47
14:2:501:CLA:C4D	14:2:503:CLA:H2	2.44	0.47
13:4:249:ILE:HG12	14:4:502:CLA:HAC1	1.96	0.47
1:G:300:LEU:HD21	1:G:385:MET:HB3	1.95	0.47
1:G:440:ARG:O	1:G:444:HIS:ND1	2.43	0.47
14:G:1130:CLA:H52	14:V:1502:CLA:H12	1.96	0.47
1:A:219:VAL:HG13	1:A:252:PRO:HB3	1.96	0.47
14:A:1119:CLA:H11	14:A:1125:CLA:H93	1.97	0.47
14:A:1130:CLA:H52	14:L:1502:CLA:H12	1.96	0.47
2:B:210:ASP:OD1	2:B:210:ASP:N	2.48	0.47
2:B:301:ILE:HG21	14:B:1221:CLA:HAC1	1.97	0.47
14:B:1216:CLA:H43	14:B:1223:CLA:H111	1.96	0.47
12:P:57:TRP:NE1	22:P:170:FMN:O2P	2.45	0.47
13:3:148:PHE:CE2	14:3:512:CLA:HBB	2.50	0.47
13:5:305:ASN:HB3	17:5:521:BCR:HC8	1.95	0.47
1:G:66:GLU:HG3	1:G:187:LEU:HB2	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:66:GLU:OE2	1:G:70:ARG:NH2	2.48	0.47
1:G:490:LEU:HB2	1:G:541:THR:HG23	1.96	0.47
14:G:1115:CLA:HBC1	14:G:1116:CLA:H121	1.96	0.47
2:H:156:HIS:CE1	14:H:1208:CLA:NA	2.83	0.47
2:H:301:ILE:HG21	14:H:1221:CLA:HAC1	1.97	0.47
4:O:37:GLU:HA	4:O:50:MET:O	2.14	0.47
10:V:21:ILE:HD13	18:V:5218:LHG:H302	1.96	0.47
14:A:1139:CLA:H143	14:A:1139:CLA:H111	1.75	0.47
13:6:42:ALA:O	13:6:46:THR:OG1	2.30	0.47
14:G:1109:CLA:H72	14:G:1101:CLA:HBB2	1.95	0.47
2:H:142:LEU:HG	17:H:4006:BCR:H382	1.96	0.47
2:H:326:LEU:HD13	2:H:332:PHE:CD2	2.50	0.47
14:Z:505:CLA:H43	17:Z:524:BCR:HC7	1.96	0.47
14:A:1129:CLA:HAB	14:A:1137:CLA:HBB2	1.96	0.47
2:B:326:LEU:HD13	2:B:332:PHE:CD2	2.50	0.47
1:G:512:ASN:HB2	14:G:1134:CLA:HED2	1.97	0.47
13:Y:146:LEU:HG	14:Y:507:CLA:HED1	1.97	0.47
13:Z:251:LEU:HD13	14:Z:505:CLA:H122	1.97	0.47
1:A:336:ILE:O	1:A:340:HIS:ND1	2.38	0.47
1:A:522:GLY:HA2	1:A:536:PRO:HB3	1.97	0.47
2:B:301:ILE:HG23	14:B:1216:CLA:HED2	1.97	0.47
14:B:1227:CLA:HBB2	14:B:1236:CLA:HMC2	1.97	0.47
14:1:518:CLA:HED2	14:1:518:CLA:H2A	1.96	0.47
13:4:30:ALA:HB2	14:4:511:CLA:HMA1	1.96	0.47
13:6:40:PHE:CE1	14:Y:519:CLA:HMB2	2.50	0.47
13:6:79:ASP:OD1	13:6:79:ASP:N	2.48	0.47
13:Y:261:ALA:HA	13:Y:276:LEU:HD12	1.96	0.47
14:Z:518:CLA:H3A	14:Z:518:CLA:C2	2.45	0.47
1:A:66:GLU:OE2	1:A:70:ARG:NH2	2.48	0.46
14:A:1116:CLA:HBA2	14:A:1116:CLA:H3A	1.57	0.46
13:6:30:ALA:HB2	14:6:511:CLA:HMA1	1.96	0.46
2:H:377:TYR:HB3	14:H:1224:CLA:HMC3	1.96	0.46
2:H:546:LEU:HD13	2:H:567:THR:HG22	1.97	0.46
13:Z:38:ILE:HG12	14:Z:510:CLA:HMC2	1.97	0.46
1:A:66:GLU:HG3	1:A:187:LEU:HB2	1.97	0.46
14:A:1128:CLA:H121	18:A:5001:LHG:H352	1.97	0.46
13:1:26:LEU:HB3	14:1:511:CLA:HMA2	1.96	0.46
13:2:182:LEU:O	13:2:209:TYR:OH	2.33	0.46
13:3:146:LEU:HD22	13:3:214:LEU:HD22	1.97	0.46
14:H:1216:CLA:H43	14:H:1223:CLA:H111	1.97	0.46
1:A:616:ILE:HD12	14:A:1011:CLA:H122	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:1122:CLA:H62	14:A:1122:CLA:H41	1.67	0.46
2:B:182:LEU:HD13	14:B:1210:CLA:H41	1.97	0.46
13:1:146:LEU:HG	14:1:507:CLA:HED1	1.97	0.46
17:1:522:BCR:H351	17:1:522:BCR:H15C	1.78	0.46
14:2:505:CLA:H43	17:2:524:BCR:HC7	1.96	0.46
13:3:143:GLY:HA3	13:3:222:ILE:HG13	1.96	0.46
13:4:34:GLN:HB2	14:4:509:CLA:HMB2	1.97	0.46
13:5:38:ILE:HG12	14:5:510:CLA:HMC2	1.96	0.46
13:5:213:MET:HG2	14:5:506:CLA:HMC1	1.96	0.46
14:G:1124:CLA:HMB2	14:G:1137:CLA:HBA1	1.97	0.46
1:A:239:ASN:HD22	1:A:263:GLN:HE22	1.63	0.46
1:A:512:ASN:HB2	14:A:1134:CLA:HED2	1.97	0.46
14:A:1101:CLA:HBB1	14:A:1101:CLA:HHC	1.96	0.46
5:E:28:VAL:HG22	5:E:37:VAL:HG13	1.96	0.46
12:P:2:LYS:HG3	12:P:3:ILE:HG13	1.98	0.46
13:4:307:HIS:NE2	14:4:502:CLA:ND	2.63	0.46
1:G:145:GLN:HB3	1:G:388:TYR:HB3	1.98	0.46
2:H:174:ARG:HB2	14:H:1210:CLA:HBC2	1.97	0.46
2:H:237:PRO:HB3	2:H:256:THR:HG21	1.98	0.46
13:Y:110:HIS:HA	13:Y:114:ALA:HB3	1.97	0.46
13:Y:319:LEU:HD21	14:Y:505:CLA:HMB3	1.97	0.46
1:A:316:PHE:HZ	14:A:1117:CLA:H112	1.81	0.46
14:A:1106:CLA:H161	14:A:1106:CLA:H122	1.60	0.46
2:B:510:LEU:HD22	2:B:601:VAL:HG21	1.98	0.46
7:I:4:ASP:OD1	7:I:4:ASP:N	2.42	0.46
13:2:145:HIS:NE2	14:2:512:CLA:NA	2.62	0.46
14:3:512:CLA:H3A	14:3:512:CLA:HBA1	1.62	0.46
13:5:261:ALA:HA	13:5:276:LEU:HD12	1.97	0.46
14:G:1121:CLA:HMB1	18:G:5002:LHG:H271	1.98	0.46
14:H:1202:CLA:H3A	14:H:1202:CLA:HBA1	1.62	0.46
13:Y:26:LEU:HB3	14:Y:511:CLA:HMA2	1.96	0.46
13:Z:148:PHE:CD2	14:Z:512:CLA:H3A	2.50	0.46
14:A:1106:CLA:HBA2	14:A:1106:CLA:H3A	1.64	0.46
18:A:5008:LHG:HC5	13:2:13:TRP:CD1	2.51	0.46
18:A:5009:LHG:C13	17:1:521:BCR:H313	2.46	0.46
2:B:156:HIS:CE1	14:B:1208:CLA:NA	2.83	0.46
1:G:522:GLY:HA2	1:G:536:PRO:HB3	1.97	0.46
8:T:21:ILE:HA	14:T:1302:CLA:HBB2	1.97	0.46
2:B:237:PRO:HB3	2:B:256:THR:HG21	1.98	0.46
2:B:546:LEU:HD13	2:B:567:THR:HG22	1.97	0.46
14:2:518:CLA:H3A	14:2:518:CLA:C2	2.45	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:3:517:CLA:HBA1	14:3:517:CLA:H3A	1.60	0.46
13:6:41:TRP:O	13:6:45:PHE:HB2	2.16	0.46
1:G:258:VAL:O	1:G:262:SER:HB2	2.15	0.46
2:H:450:GLU:OE2	6:R:52:ARG:NE	2.43	0.46
2:H:577:TYR:OH	2:H:664:LEU:HD22	2.15	0.46
14:H:1239:CLA:H91	14:H:1239:CLA:H112	1.81	0.46
18:H:1842:LHG:HC81	18:H:1842:LHG:H112	1.80	0.46
1:A:441:VAL:HA	1:A:444:HIS:CE1	2.51	0.46
2:B:577:TYR:OH	2:B:664:LEU:HD22	2.15	0.46
14:B:1234:CLA:HMB2	14:B:1236:CLA:HED1	1.98	0.46
13:2:251:LEU:HD13	14:2:505:CLA:H122	1.97	0.46
1:G:316:PHE:HZ	14:G:1117:CLA:H112	1.81	0.46
14:G:1128:CLA:H121	18:G:5001:LHG:H352	1.97	0.46
14:H:1207:CLA:HAB	7:S:19:GLY:HA3	1.98	0.46
7:S:23:PRO:O	7:S:27:MET:HB2	2.16	0.46
13:Z:182:LEU:O	13:Z:209:TYR:OH	2.33	0.46
14:A:1121:CLA:HMB1	18:A:5002:LHG:H271	1.97	0.46
14:B:1227:CLA:HAB	14:B:1236:CLA:HBB2	1.97	0.46
13:1:130:PHE:HA	13:1:137:GLN:HG2	1.97	0.46
13:1:319:LEU:HD21	14:1:505:CLA:HMB3	1.97	0.46
14:1:516:CLA:H3A	14:1:516:CLA:HBA1	1.44	0.46
13:5:73:LEU:O	13:5:159:LYS:NZ	2.49	0.46
2:H:182:LEU:HD13	14:H:1210:CLA:HBB	1.97	0.46
7:S:30:LEU:HD13	17:V:4019:BCR:HC8	1.98	0.46
10:V:49:GLU:OE2	14:V:1501:CLA:ND	2.49	0.46
13:Y:67:LEU:HD22	13:Y:89:LEU:HD13	1.98	0.46
13:Z:143:GLY:HA3	13:Z:222:ILE:HG13	1.98	0.46
2:B:73:ASN:HB2	2:B:76:GLN:HB2	1.97	0.46
14:B:1217:CLA:H3A	14:B:1217:CLA:HBA2	1.49	0.46
14:B:1207:CLA:HAB	7:I:19:GLY:HA3	1.98	0.46
6:F:75:LEU:HA	6:F:78:ALA:HB2	1.98	0.46
13:1:67:LEU:HD22	13:1:89:LEU:HD13	1.98	0.46
18:G:5008:LHG:HC5	13:Z:13:TRP:CD1	2.51	0.46
2:H:114:ASN:ND2	14:H:1206:CLA:OBD	2.47	0.46
2:H:410:ARG:NH2	14:H:1227:CLA:OBD	2.49	0.46
2:H:510:LEU:HD22	2:H:601:VAL:HG21	1.98	0.46
14:H:1227:CLA:HBB2	14:H:1236:CLA:HMC2	1.97	0.46
13:Z:319:LEU:HD21	14:Z:505:CLA:HMB3	1.97	0.46
14:A:1139:CLA:H61	14:A:1139:CLA:H41	1.64	0.45
17:A:4002:BCR:H361	17:A:4002:BCR:H20C	1.76	0.45
2:B:174:ARG:HB2	14:B:1210:CLA:HBC2	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:340:SER:HB3	14:B:1221:CLA:H2	1.97	0.45
14:B:1210:CLA:H42	17:B:4005:BCR:H21C	1.98	0.45
7:I:30:LEU:HD13	17:L:4019:BCR:HC8	1.98	0.45
10:L:163:TRP:CH2	17:L:4219:BCR:HC7	2.51	0.45
13:2:147:LEU:HD12	13:2:215:ILE:HG12	1.98	0.45
13:4:159:LYS:HA	13:4:163:TRP:HB2	1.98	0.45
2:H:73:ASN:HB2	2:H:76:GLN:HB2	1.97	0.45
14:H:1210:CLA:H2	14:H:1210:CLA:H62	1.60	0.45
17:H:4006:BCR:H15C	17:H:4006:BCR:H351	1.81	0.45
6:R:84:PRO:HB3	17:T:4015:BCR:H362	1.98	0.45
13:Z:301:ALA:O	13:Z:305:ASN:ND2	2.42	0.45
1:A:490:LEU:HB2	1:A:541:THR:HG23	1.96	0.45
14:A:1120:CLA:HED2	9:K:38:LYS:HD2	1.98	0.45
10:L:149:THR:HG22	10:L:151:TYR:H	1.81	0.45
13:1:110:HIS:HA	13:1:114:ALA:HB3	1.98	0.45
13:2:34:GLN:HB2	14:2:509:CLA:HMB2	1.98	0.45
14:G:1104:CLA:H193	14:G:1104:CLA:H161	1.79	0.45
14:H:1210:CLA:H42	17:H:4005:BCR:H21C	1.98	0.45
12:X:2:LYS:HG3	12:X:3:ILE:HG13	1.98	0.45
13:Z:147:LEU:HD12	13:Z:215:ILE:HG12	1.98	0.45
13:Z:149:LEU:HD21	14:Z:509:CLA:H61	1.97	0.45
1:A:595:CYS:HB2	2:B:667:TRP:HB3	1.98	0.45
14:A:1105:CLA:HMB3	14:A:1106:CLA:HMB	1.99	0.45
14:B:1201:CLA:HMD2	17:L:4019:BCR:HC41	1.98	0.45
7:I:23:PRO:O	7:I:27:MET:HB2	2.16	0.45
13:2:38:ILE:HG12	14:2:510:CLA:HMC2	1.97	0.45
13:2:148:PHE:CD2	14:2:512:CLA:H3A	2.50	0.45
13:3:34:GLN:HB2	14:3:509:CLA:HMB2	1.99	0.45
13:4:178:THR:OG1	13:4:201:GLU:OE2	2.34	0.45
14:G:1105:CLA:HMB3	14:G:1106:CLA:HMB	1.99	0.45
14:G:1119:CLA:H11	14:G:1125:CLA:H93	1.97	0.45
14:H:1216:CLA:HBA1	14:H:1216:CLA:H12	1.83	0.45
14:Y:512:CLA:H3A	14:Y:512:CLA:HBA1	1.68	0.45
1:A:115:GLN:NE2	14:A:1107:CLA:OBD	2.43	0.45
1:A:440:ARG:O	1:A:444:HIS:ND1	2.43	0.45
6:F:71:VAL:HG12	6:F:81:PHE:HB2	1.98	0.45
10:L:7:ALA:HB3	10:L:18:ALA:HB3	1.97	0.45
13:2:229:TRP:HA	13:2:232:LYS:HB2	1.98	0.45
13:3:68:PRO:HB3	13:3:271:PHE:HB3	1.97	0.45
13:5:267:TYR:O	13:5:300:ARG:NH2	2.45	0.45
14:G:1120:CLA:HED2	9:U:38:LYS:HD2	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:160:LYS:HB3	21:H:1852:SQD:O8	2.16	0.45
14:H:1219:CLA:HMA1	14:H:1240:CLA:HMD3	1.99	0.45
6:R:75:LEU:HA	6:R:78:ALA:HB2	1.98	0.45
14:B:1210:CLA:H62	14:B:1210:CLA:H2	1.60	0.45
13:4:119:ALA:O	13:4:126:LYS:NZ	2.43	0.45
2:H:340:SER:HB3	14:H:1221:CLA:H2	1.97	0.45
14:H:1209:CLA:H3A	14:H:1209:CLA:HBA2	1.47	0.45
1:A:220:SER:O	1:A:224:ASN:HB2	2.16	0.45
17:A:4002:BCR:H15C	17:A:4002:BCR:H351	1.86	0.45
13:2:149:LEU:HD21	14:2:509:CLA:H61	1.97	0.45
13:2:319:LEU:HD21	14:2:505:CLA:HMB3	1.97	0.45
1:G:220:SER:O	1:G:224:ASN:HB2	2.16	0.45
1:G:591:ARG:HH21	1:G:594:THR:HG21	1.81	0.45
10:V:163:TRP:CH2	17:V:4219:BCR:HC7	2.51	0.45
14:V:1503:CLA:H93	14:V:1503:CLA:H61	1.88	0.45
14:A:1110:CLA:H2	14:A:1110:CLA:H62	1.83	0.45
14:B:1219:CLA:HMA1	14:B:1240:CLA:HMD3	1.99	0.45
17:L:4019:BCR:H11C	17:L:4019:BCR:H341	1.81	0.45
14:2:519:CLA:HED2	14:2:519:CLA:H2A	1.99	0.45
14:G:1126:CLA:HBA2	14:G:1126:CLA:H3A	1.63	0.45
18:G:5009:LHG:C13	17:Y:521:BCR:H313	2.46	0.45
10:V:7:ALA:HB3	10:V:18:ALA:HB3	1.97	0.45
1:A:145:GLN:HB3	1:A:388:TYR:HB3	1.98	0.45
8:J:21:ILE:HA	14:J:1302:CLA:HBB2	1.97	0.45
14:2:501:CLA:H62	14:2:501:CLA:H41	1.70	0.45
17:2:522:BCR:H15C	17:2:522:BCR:H351	1.77	0.45
1:G:441:VAL:HA	1:G:444:HIS:CE1	2.51	0.45
1:G:595:CYS:HB2	2:H:667:TRP:HB3	1.98	0.45
18:G:5005:LHG:HC82	17:Z:521:BCR:HC22	1.98	0.45
6:R:83:ILE:HG12	14:T:1303:CLA:HMB3	1.99	0.45
14:V:1501:CLA:HAA2	17:V:4022:BCR:H363	1.98	0.45
12:X:57:TRP:NE1	22:X:170:FMN:O2P	2.45	0.45
2:B:576:PHE:HE1	14:B:1226:CLA:HAC2	1.82	0.45
14:B:1215:CLA:HBA2	14:B:1215:CLA:H3A	1.63	0.45
5:E:18:TRP:HB3	5:E:21:GLU:HB2	1.99	0.45
17:1:522:BCR:H371	17:1:522:BCR:H24C	1.86	0.45
13:2:130:PHE:HA	13:2:137:GLN:HG2	1.99	0.45
13:2:143:GLY:HA3	13:2:222:ILE:HG13	1.98	0.45
17:H:4009:BCR:H11C	17:H:4009:BCR:H341	1.81	0.45
3:N:6:LYS:HG3	4:O:139:TYR:HB2	1.99	0.45
3:N:26:LEU:HA	3:N:41:ALA:O	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:Y:130:PHE:HA	13:Y:137:GLN:HG2	1.97	0.45
17:A:4001:BCR:H23C	9:K:66:PHE:HB2	1.99	0.45
18:A:5008:LHG:HC82	13:2:13:TRP:HZ2	1.82	0.45
17:B:4004:BCR:H11C	17:B:4004:BCR:H341	1.83	0.45
10:L:49:GLU:OE2	14:L:1501:CLA:ND	2.49	0.45
14:2:505:CLA:HBA2	14:2:505:CLA:H11	1.80	0.45
13:3:307:HIS:NE2	14:3:502:CLA:ND	2.65	0.45
13:5:59:MET:HB2	13:5:271:PHE:HA	1.99	0.45
5:Q:18:TRP:HB3	5:Q:21:GLU:HB2	1.99	0.45
2:B:321:GLY:O	2:B:325:THR:OG1	2.34	0.44
14:B:1221:CLA:H151	14:B:1221:CLA:H112	1.81	0.44
6:F:125:VAL:HG12	13:3:13:TRP:HH2	1.80	0.44
10:L:30:PHE:CD1	21:L:5216:SQD:H122	2.53	0.44
10:L:163:TRP:HH2	17:L:4219:BCR:H311	1.83	0.44
14:G:1013:CLA:H143	14:G:1013:CLA:H161	1.85	0.44
14:G:1116:CLA:HBA2	14:G:1116:CLA:H3A	1.57	0.44
14:G:1121:CLA:HAB	14:G:1801:CLA:CAB	2.47	0.44
14:G:1122:CLA:H41	14:G:1122:CLA:H62	1.67	0.44
14:H:1206:CLA:H122	14:H:1206:CLA:H162	1.84	0.44
17:H:4010:BCR:H351	17:H:4010:BCR:H15C	1.72	0.44
13:Z:110:HIS:HA	13:Z:114:ALA:HB3	2.00	0.44
1:A:148:ARG:HD3	1:A:389:PRO:HB2	1.99	0.44
1:A:199:HIS:CG	14:A:1111:CLA:HMC2	2.53	0.44
1:A:440:ARG:NH1	14:A:1129:CLA:O1D	2.50	0.44
14:A:1124:CLA:H2	14:A:1124:CLA:H61	1.76	0.44
6:F:83:ILE:HG12	14:J:1303:CLA:HMB3	1.99	0.44
13:3:17:ASN:ND2	14:3:510:CLA:O1A	2.47	0.44
13:3:253:GLY:HA2	14:3:502:CLA:HMD3	2.00	0.44
17:3:523:BCR:H11C	17:3:523:BCR:H341	1.84	0.44
13:6:143:GLY:HA3	13:6:222:ILE:HG13	1.98	0.44
1:G:588:GLY:HA2	2:H:562:PRO:HD3	1.99	0.44
18:G:5008:LHG:HC82	13:Z:13:TRP:HZ2	1.82	0.44
10:V:149:THR:HG22	10:V:151:TYR:H	1.81	0.44
1:A:121:PHE:HB3	14:B:1230:CLA:HMD1	2.00	0.44
1:A:308:HIS:HE2	14:A:1117:CLA:C2B	2.31	0.44
14:B:1023:CLA:H142	17:I:4018:BCR:H271	1.99	0.44
14:L:1501:CLA:HAA2	17:L:4022:BCR:H363	1.97	0.44
13:3:251:LEU:HB2	14:3:505:CLA:HMC1	1.99	0.44
13:5:307:HIS:NE2	14:5:502:CLA:NA	2.65	0.44
1:G:239:ASN:HD22	1:G:263:GLN:HE22	1.63	0.44
1:G:308:HIS:HE2	14:G:1117:CLA:C2B	2.31	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:R:4016:BCR:H24C	17:R:4016:BCR:H371	1.83	0.44
12:X:63:GLN:O	12:X:67:GLU:N	2.50	0.44
13:Y:190:TYR:HE2	13:Y:202:ASP:HB3	1.83	0.44
13:Z:34:GLN:HB2	14:Z:509:CLA:HMB2	1.98	0.44
17:Z:523:BCR:H15C	17:Z:523:BCR:H351	1.82	0.44
14:A:1121:CLA:HAB	14:A:1801:CLA:CAB	2.47	0.44
14:A:1137:CLA:H143	14:A:1137:CLA:H112	1.83	0.44
18:A:5001:LHG:H341	18:A:5001:LHG:H372	1.84	0.44
14:B:1226:CLA:H91	20:B:5002:LMG:H372	2.00	0.44
13:1:307:HIS:NE2	14:1:502:CLA:ND	2.66	0.44
17:2:521:BCR:H15C	17:2:521:BCR:H351	1.83	0.44
14:G:1104:CLA:H191	18:G:5001:LHG:H211	1.99	0.44
2:H:44:GLN:NE2	2:H:163:PRO:O	2.38	0.44
2:H:91:ILE:HB	2:H:112:PRO:HB2	2.00	0.44
14:H:1023:CLA:H142	17:S:4018:BCR:H271	1.99	0.44
14:H:1201:CLA:HMD2	17:V:4019:BCR:HC41	1.98	0.44
14:H:1215:CLA:H13	14:H:1221:CLA:H162	2.00	0.44
5:Q:53:ASP:OD1	5:Q:53:ASP:N	2.43	0.44
10:V:20:PRO:HB3	18:V:5218:LHG:HC82	1.99	0.44
14:Z:505:CLA:HBC2	17:Z:524:BCR:H341	2.00	0.44
1:A:312:ILE:HD13	1:A:312:ILE:HA	1.85	0.44
14:A:1110:CLA:HBA2	14:A:1110:CLA:H3A	1.63	0.44
18:A:5005:LHG:HC82	17:2:521:BCR:HC22	1.98	0.44
2:B:160:LYS:HB3	21:B:1852:SQD:O8	2.16	0.44
14:2:505:CLA:HBC2	17:2:524:BCR:H341	2.00	0.44
13:6:38:ILE:HG12	14:6:510:CLA:HMC2	1.99	0.44
13:6:243:SER:O	13:6:318:HIS:ND1	2.50	0.44
1:G:199:HIS:CG	14:G:1111:CLA:HMC2	2.53	0.44
1:G:440:ARG:NH1	14:G:1129:CLA:O1D	2.50	0.44
18:G:5005:LHG:C6	17:Z:521:BCR:HC22	2.48	0.44
14:H:1234:CLA:HMB2	14:H:1236:CLA:HED1	1.98	0.44
13:Z:229:TRP:HA	13:Z:232:LYS:HB2	1.98	0.44
1:A:404:HIS:CE1	14:A:1126:CLA:ND	2.86	0.44
1:A:440:ARG:HD2	14:A:1129:CLA:HED3	1.99	0.44
14:A:1108:CLA:HBA2	14:A:1108:CLA:H3A	1.75	0.44
14:A:1022:CLA:H13	17:B:4017:BCR:H10C	2.00	0.44
2:B:380:THR:HG22	2:B:583:ALA:HB1	2.00	0.44
6:F:125:VAL:HG12	13:3:13:TRP:CH2	2.53	0.44
17:1:521:BCR:H15C	17:1:521:BCR:H351	1.82	0.44
13:3:73:LEU:HD11	14:3:503:CLA:HAA2	1.99	0.44
13:4:101:ALA:HB1	14:5:505:CLA:HAB	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:5:51:SER:HB2	13:6:279:LYS:HG3	2.00	0.44
13:5:110:HIS:NE2	14:5:513:CLA:NB	2.65	0.44
13:5:309:PHE:HD2	17:5:521:BCR:H10C	1.83	0.44
13:6:31:HIS:NE2	14:6:509:CLA:ND	2.65	0.44
13:6:101:ALA:HB1	14:Y:505:CLA:HAB	1.99	0.44
1:G:364:LEU:HD11	14:G:1128:CLA:HBB1	2.00	0.44
2:H:310:PRO:HA	2:H:311:PRO:HD3	1.88	0.44
2:H:380:THR:HG22	2:H:583:ALA:HB1	2.00	0.44
14:H:1221:CLA:H151	14:H:1221:CLA:H112	1.81	0.44
3:N:13:GLY:O	3:N:38:GLN:NE2	2.47	0.44
14:Z:519:CLA:H2A	14:Z:519:CLA:HED2	1.99	0.44
14:A:1126:CLA:H3A	14:A:1126:CLA:HBA2	1.63	0.44
15:A:2001:PQN:H111	15:A:2001:PQN:H2M1	1.82	0.44
2:B:236:ASN:OD1	2:B:252:THR:OG1	2.36	0.44
2:B:415:LYS:HD2	2:B:539:LEU:HB3	2.00	0.44
3:C:13:GLY:O	3:C:38:GLN:NE2	2.46	0.44
13:3:274:ALA:HB3	13:3:290:VAL:HG22	2.00	0.44
13:4:110:HIS:NE2	14:4:513:CLA:NB	2.66	0.44
14:6:517:CLA:HBA1	14:6:517:CLA:H3A	1.55	0.44
1:G:440:ARG:HD2	14:G:1129:CLA:HED3	1.99	0.44
2:H:690:ILE:HG13	10:V:36:ILE:HG12	1.99	0.44
15:H:2002:PQN:H111	15:H:2002:PQN:H2M1	1.82	0.44
6:R:71:VAL:HG12	6:R:81:PHE:HB2	1.98	0.44
10:V:163:TRP:HH2	17:V:4219:BCR:H311	1.83	0.44
14:V:1501:CLA:H11	14:V:1501:CLA:H52	1.84	0.44
13:Y:307:HIS:NE2	14:Y:502:CLA:ND	2.66	0.44
1:A:591:ARG:HH21	1:A:594:THR:HG21	1.81	0.44
14:A:1013:CLA:H93	14:A:1013:CLA:H61	1.83	0.44
14:A:1128:CLA:H91	14:A:1128:CLA:H112	1.82	0.44
2:B:410:ARG:O	2:B:414:HIS:ND1	2.44	0.44
2:B:690:ILE:HG13	10:L:36:ILE:HG12	1.99	0.44
3:C:26:LEU:HA	3:C:41:ALA:O	2.17	0.44
1:G:404:HIS:CE1	14:G:1126:CLA:ND	2.86	0.44
14:G:1022:CLA:H13	17:H:4017:BCR:H10C	2.00	0.44
17:G:4001:BCR:H23C	9:U:66:PHE:HB2	1.99	0.44
2:H:376:GLN:O	2:H:380:THR:OG1	2.30	0.44
14:H:1215:CLA:HBA2	14:H:1215:CLA:H3A	1.63	0.44
1:A:31:PRO:HB3	14:A:1101:CLA:HAC1	2.00	0.44
1:A:474:ARG:HD2	1:A:653:THR:HG21	2.00	0.44
14:A:1013:CLA:H143	14:A:1013:CLA:H161	1.85	0.44
2:B:196:HIS:NE2	14:B:1212:CLA:ND	2.66	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:1206:CLA:H3A	14:B:1207:CLA:CBB	2.48	0.44
3:C:6:LYS:HG3	4:D:139:TYR:HB2	1.99	0.44
6:F:84:PRO:HB3	17:J:4015:BCR:H362	1.98	0.44
13:1:190:TYR:HD2	17:1:524:BCR:H401	1.83	0.44
17:2:521:BCR:H24C	17:2:521:BCR:H371	1.77	0.44
14:3:505:CLA:H62	14:3:505:CLA:H41	1.75	0.44
13:4:282:VAL:HG23	13:4:283:THR:HG23	2.00	0.44
14:5:513:CLA:HBB1	17:5:523:BCR:H24C	1.99	0.44
14:6:513:CLA:HBB1	17:6:523:BCR:H371	2.00	0.44
1:G:115:GLN:NE2	14:G:1107:CLA:OBD	2.43	0.44
1:G:312:ILE:HD13	1:G:312:ILE:HA	1.85	0.44
14:G:1116:CLA:H93	14:G:1116:CLA:H61	1.89	0.44
2:H:478:LEU:HD21	14:H:1231:CLA:HED2	2.00	0.44
2:H:713:PHE:O	2:H:717:TYR:HB2	2.18	0.44
18:H:1855:LHG:H261	18:H:1855:LHG:H131	2.00	0.44
18:A:5005:LHG:HC41	17:2:521:BCR:HC31	2.00	0.43
13:4:137:GLN:HE22	14:4:516:CLA:HED1	1.83	0.43
1:G:202:ALA:HB2	1:G:320:GLY:HA3	2.00	0.43
14:G:1124:CLA:H2	14:G:1124:CLA:H61	1.76	0.43
17:U:4104:BCR:H15C	17:U:4104:BCR:H351	1.90	0.43
13:Z:130:PHE:HA	13:Z:137:GLN:HG2	1.99	0.43
2:B:478:LEU:HD21	14:B:1231:CLA:HED2	2.00	0.43
13:2:16:GLY:HA3	14:2:511:CLA:HMD3	2.00	0.43
13:3:182:LEU:O	13:3:209:TYR:OH	2.35	0.43
13:4:4:TYR:OH	13:4:328:PHE:O	2.31	0.43
13:5:146:LEU:HD22	13:5:214:LEU:HD22	2.00	0.43
13:6:148:PHE:CD2	14:6:512:CLA:H3A	2.51	0.43
1:G:148:ARG:HD3	1:G:389:PRO:HB2	1.99	0.43
14:G:1104:CLA:H62	14:G:1104:CLA:H41	1.61	0.43
2:H:455:ILE:HD13	6:R:69:LEU:HB2	2.00	0.43
2:H:576:PHE:HE1	14:H:1226:CLA:HAC2	1.82	0.43
14:H:1206:CLA:H3A	14:H:1207:CLA:CBB	2.48	0.43
10:V:30:PHE:CD1	21:V:5216:SQD:H122	2.53	0.43
17:V:4219:BCR:H15C	17:V:4219:BCR:H351	1.75	0.43
13:Z:16:GLY:HA3	14:Z:511:CLA:HMD3	2.00	0.43
14:Z:501:CLA:H41	14:Z:501:CLA:H62	1.70	0.43
1:A:202:ALA:HB2	1:A:320:GLY:HA3	2.00	0.43
1:A:221:LEU:HD23	1:A:221:LEU:HA	1.84	0.43
14:A:1134:CLA:H61	14:A:1134:CLA:H41	1.87	0.43
2:B:91:ILE:HB	2:B:112:PRO:HB2	2.00	0.43
14:B:1218:CLA:H61	14:B:1218:CLA:H2	1.75	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:K:4104:BCR:H15C	17:K:4104:BCR:H351	1.90	0.43
13:2:110:HIS:HA	13:2:114:ALA:HB3	2.00	0.43
17:2:524:BCR:H15C	17:2:524:BCR:H351	1.78	0.43
13:3:62:GLN:HB2	13:3:64:LEU:HG	2.01	0.43
13:3:261:ALA:HA	13:3:276:LEU:HD12	2.00	0.43
13:5:309:PHE:CD2	17:5:521:BCR:H10C	2.53	0.43
1:G:31:PRO:HB3	14:G:1101:CLA:HAC1	2.00	0.43
2:H:196:HIS:NE2	14:H:1212:CLA:ND	2.66	0.43
14:H:1226:CLA:H91	20:H:5002:LMG:H372	2.00	0.43
9:U:46:LEU:H	9:U:56:GLY:HA2	1.84	0.43
1:A:364:LEU:HD11	14:A:1128:CLA:HBB1	2.00	0.43
1:A:588:GLY:HA2	2:B:562:PRO:HD3	1.99	0.43
14:A:1121:CLA:HBB	14:A:1801:CLA:HBC3	2.01	0.43
2:B:713:PHE:O	2:B:717:TYR:HB2	2.18	0.43
14:B:1240:CLA:H62	14:B:1240:CLA:H41	1.87	0.43
17:B:4005:BCR:H15C	17:B:4005:BCR:H351	1.84	0.43
10:L:20:PRO:HB3	18:L:5218:LHG:HC82	1.99	0.43
17:L:4022:BCR:H11C	17:L:4022:BCR:H341	1.81	0.43
11:M:11:LEU:HD21	17:M:4021:BCR:H272	2.01	0.43
14:2:512:CLA:H3A	14:2:512:CLA:HBA1	1.54	0.43
2:H:481:ALA:HA	2:H:486:THR:HG21	2.00	0.43
11:W:1:MET:HE2	11:W:6:VAL:HG22	2.00	0.43
13:Y:190:TYR:HD2	17:Y:524:BCR:H401	1.83	0.43
14:A:1133:CLA:H111	14:A:1133:CLA:H91	1.81	0.43
17:A:4001:BCR:H19C	9:K:69:ILE:HD11	2.00	0.43
14:B:1215:CLA:H13	14:B:1221:CLA:H162	2.00	0.43
14:B:1221:CLA:H141	14:B:1221:CLA:H161	1.78	0.43
14:B:1229:CLA:HMB2	17:B:4014:BCR:H10C	1.99	0.43
18:B:1842:LHG:H112	18:B:1842:LHG:HC81	1.80	0.43
8:J:40:PRO:HD2	17:J:4015:BCR:H382	2.01	0.43
1:G:441:VAL:HG23	14:G:1129:CLA:HMD3	2.00	0.43
14:H:1208:CLA:HAB	19:H:1843:LMU:H111	2.00	0.43
1:A:441:VAL:HG23	14:A:1129:CLA:HMD3	2.00	0.43
14:A:1131:CLA:HBB2	10:L:65:LEU:HD13	2.00	0.43
2:B:410:ARG:NH2	14:B:1227:CLA:OBD	2.49	0.43
18:B:1855:LHG:H261	18:B:1855:LHG:H131	2.00	0.43
17:F:4016:BCR:H341	17:F:4016:BCR:H11C	1.75	0.43
13:1:148:PHE:CE1	14:1:516:CLA:HBC2	2.54	0.43
17:6:522:BCR:H24C	17:6:522:BCR:H371	1.84	0.43
1:G:485:ASP:OD1	1:G:491:GLN:NE2	2.45	0.43
14:G:1137:CLA:H62	14:G:1137:CLA:H41	1.63	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:317:ILE:O	1:A:321:HIS:ND1	2.46	0.43
12:P:82:LYS:HB3	12:P:117:VAL:HG21	2.01	0.43
14:1:513:CLA:HBB1	17:1:523:BCR:H402	2.01	0.43
13:4:307:HIS:NE2	14:4:502:CLA:NA	2.67	0.43
13:6:190:TYR:HE2	13:6:202:ASP:HB3	1.83	0.43
1:G:745:LEU:HD22	14:G:1140:CLA:HMA1	2.00	0.43
18:G:5005:LHG:HC41	17:Z:521:BCR:HC31	2.00	0.43
2:H:236:ASN:OD1	2:H:236:ASN:N	2.51	0.43
14:H:1229:CLA:HMB2	17:H:4014:BCR:H10C	1.99	0.43
17:V:4019:BCR:H15C	17:V:4019:BCR:H351	1.86	0.43
14:Y:505:CLA:HBC2	17:Y:524:BCR:H341	2.01	0.43
13:Z:190:TYR:HE2	13:Z:202:ASP:HB3	1.83	0.43
1:A:572:ARG:HD3	3:C:80:ALA:HB3	2.01	0.43
14:A:1104:CLA:H191	18:A:5001:LHG:H211	1.99	0.43
2:B:455:ILE:HD13	6:F:69:LEU:HB2	2.00	0.43
14:1:505:CLA:HBC2	17:1:524:BCR:H341	2.01	0.43
13:2:190:TYR:HE2	13:2:202:ASP:HB3	1.83	0.43
13:5:16:GLY:HA3	14:5:511:CLA:HMD3	2.00	0.43
13:6:91:VAL:HG22	17:6:523:BCR:HC22	2.01	0.43
13:6:109:PHE:HB2	14:Y:505:CLA:HAA2	2.01	0.43
1:G:121:PHE:HB3	14:H:1230:CLA:HMD1	2.00	0.43
1:G:388:TYR:HB2	1:G:391:LEU:HB2	2.01	0.43
18:G:5005:LHG:O7	17:Z:521:BCR:HC22	2.19	0.43
2:H:585:ASN:HB2	14:H:1012:CLA:HBC2	2.00	0.43
17:R:4016:BCR:H341	17:R:4016:BCR:H11C	1.75	0.43
8:T:8:LEU:HA	8:T:13:ILE:HG21	2.01	0.43
14:Z:518:CLA:H61	14:Z:518:CLA:H41	1.70	0.43
17:I:4018:BCR:H20C	17:I:4018:BCR:H361	1.89	0.43
18:I:5001:LHG:H242	21:V:5216:SQD:H242	2.01	0.43
17:J:4015:BCR:H20C	17:J:4015:BCR:H361	1.88	0.43
13:1:190:TYR:HE2	13:1:202:ASP:HB3	1.83	0.43
1:G:371:LEU:HD12	1:G:371:LEU:HA	1.88	0.43
1:G:600:TRP:CD1	14:G:1128:CLA:HMD1	2.54	0.43
14:G:1121:CLA:HHB	14:G:1801:CLA:HBC3	2.01	0.43
14:G:1131:CLA:HBB2	10:V:65:LEU:HD13	2.00	0.43
14:G:1133:CLA:H192	14:G:1133:CLA:H162	1.88	0.43
2:H:299:HIS:HB3	2:H:304:ILE:HD11	2.01	0.43
14:Z:512:CLA:H3A	14:Z:512:CLA:HBA1	1.54	0.43
1:A:745:LEU:HD22	14:A:1140:CLA:HMA1	2.00	0.43
14:A:1102:CLA:HBA2	14:A:1102:CLA:H3A	1.81	0.43
14:A:1104:CLA:H161	14:A:1104:CLA:H193	1.79	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:A:5005:LHG:C6	17:2:521:BCR:HC22	2.48	0.43
2:B:257:PHE:CD1	14:B:1214:CLA:HMB2	2.54	0.43
14:B:1229:CLA:H2	14:B:1229:CLA:H62	1.81	0.43
4:D:101:ASP:OD1	4:D:101:ASP:N	2.47	0.43
17:J:4015:BCR:H11C	17:J:4015:BCR:H341	1.83	0.43
17:M:4021:BCR:H24C	17:M:4021:BCR:H371	1.83	0.43
12:P:63:GLN:O	12:P:67:GLU:N	2.50	0.43
13:1:177:VAL:HG13	13:1:201:GLU:HG2	2.01	0.43
14:3:502:CLA:HMB1	14:3:504:CLA:HMC3	2.01	0.43
13:4:160:ALA:HA	13:4:165:GLY:HA2	2.01	0.43
1:G:474:ARG:HD2	1:G:653:THR:HG21	2.00	0.43
1:G:572:ARG:HD3	3:N:80:ALA:HB3	2.00	0.43
1:G:734:GLN:HG3	18:G:5001:LHG:C7	2.49	0.43
14:G:1104:CLA:H201	18:G:5001:LHG:H221	2.01	0.43
14:G:1116:CLA:C4D	14:G:1125:CLA:HBB1	2.48	0.43
14:G:1123:CLA:H141	14:G:1123:CLA:H161	1.82	0.43
14:G:1128:CLA:H91	14:G:1128:CLA:H112	1.82	0.43
14:G:1133:CLA:H91	14:G:1133:CLA:H111	1.81	0.43
2:H:270:LEU:HD23	2:H:270:LEU:HA	1.89	0.43
2:H:415:LYS:HD2	2:H:539:LEU:HB3	2.00	0.43
14:H:1221:CLA:H112	14:H:1221:CLA:H72	1.73	0.43
10:V:18:ALA:HB2	10:V:110:VAL:HG21	2.00	0.43
14:Y:505:CLA:HMD2	17:Y:524:BCR:H343	2.01	0.43
1:A:600:TRP:CD1	14:A:1128:CLA:HMD1	2.54	0.42
2:B:194:LEU:HA	2:B:198:ALA:HB3	2.00	0.42
2:B:236:ASN:OD1	2:B:236:ASN:N	2.51	0.42
17:B:4009:BCR:H15C	17:B:4009:BCR:H351	1.83	0.42
14:1:505:CLA:HMD2	17:1:524:BCR:H343	2.01	0.42
13:4:57:GLN:HB3	13:4:61:GLU:HB2	2.00	0.42
1:G:336:ILE:O	1:G:340:HIS:ND1	2.38	0.42
17:G:4002:BCR:H11C	17:G:4002:BCR:H341	1.83	0.42
2:H:7:LYS:HD2	11:W:28:TYR:CZ	2.54	0.42
1:A:94:GLY:O	1:A:98:SER:OG	2.33	0.42
1:A:388:TYR:HB2	1:A:391:LEU:HB2	2.01	0.42
14:A:1116:CLA:C4D	14:A:1125:CLA:HBB1	2.48	0.42
17:A:4008:BCR:H11C	17:A:4008:BCR:H341	1.90	0.42
14:B:1220:CLA:HED3	14:B:1220:CLA:H2A	2.01	0.42
10:L:18:ALA:HB2	10:L:110:VAL:HG21	2.00	0.42
13:1:207:HIS:CE1	17:1:524:BCR:H381	2.54	0.42
14:2:502:CLA:HBD	14:2:503:CLA:H43	2.01	0.42
14:2:518:CLA:H61	14:2:518:CLA:H41	1.70	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:4:17:ASN:OD1	14:4:511:CLA:NC	2.52	0.42
14:G:1131:CLA:H111	15:H:2002:PQN:H201	2.01	0.42
2:H:236:ASN:OD1	2:H:252:THR:OG1	2.36	0.42
2:H:428:PHE:CZ	17:T:4015:BCR:HC41	2.55	0.42
8:T:40:PRO:HD2	17:T:4015:BCR:H382	2.01	0.42
13:Y:177:VAL:HG13	13:Y:201:GLU:HG2	2.01	0.42
14:Y:513:CLA:HBB1	17:Y:523:BCR:H402	2.01	0.42
17:A:4002:BCR:H24C	17:A:4002:BCR:H371	1.85	0.42
2:B:450:GLU:OE2	6:F:52:ARG:NE	2.43	0.42
2:B:585:ASN:HB2	14:B:1012:CLA:HBC2	2.00	0.42
14:B:1239:CLA:H112	14:B:1239:CLA:H91	1.81	0.42
14:B:1207:CLA:H91	14:B:1207:CLA:H112	1.87	0.42
9:K:46:LEU:H	9:K:56:GLY:HA2	1.84	0.42
17:K:4104:BCR:H11C	17:K:4104:BCR:H341	1.94	0.42
11:M:1:MET:HE2	11:M:6:VAL:HG22	2.00	0.42
13:1:34:GLN:HB2	14:1:509:CLA:HMB2	2.01	0.42
13:5:50:ILE:HD11	13:5:89:LEU:HB2	2.00	0.42
14:5:509:CLA:HBA1	14:5:509:CLA:H3A	1.81	0.42
14:G:1106:CLA:H91	14:G:1106:CLA:H112	1.85	0.42
17:G:4001:BCR:H19C	9:U:69:ILE:HD11	2.00	0.42
2:H:527:LEU:HD12	14:H:1236:CLA:HED3	2.02	0.42
14:H:1220:CLA:HED3	14:H:1220:CLA:H2A	2.01	0.42
12:X:82:LYS:HB3	12:X:117:VAL:HG21	2.01	0.42
14:Z:502:CLA:HBD	14:Z:503:CLA:H43	2.01	0.42
14:A:1113:CLA:HMA2	18:A:5006:LHG:H292	2.01	0.42
14:A:1131:CLA:H111	15:B:2002:PQN:H201	2.01	0.42
17:3:524:BCR:H15C	17:3:524:BCR:H351	1.79	0.42
13:4:168:ASP:HB3	13:4:171:SER:HB2	2.00	0.42
1:G:749:VAL:HG21	17:G:4011:BCR:HC8	2.01	0.42
14:G:1113:CLA:HMA2	18:G:5006:LHG:H292	2.01	0.42
15:G:2001:PQN:H111	15:G:2001:PQN:H2M1	1.82	0.42
14:H:1229:CLA:H2	14:H:1229:CLA:H62	1.81	0.42
13:Y:34:GLN:HB2	14:Y:509:CLA:HMB2	2.01	0.42
13:Y:148:PHE:CE1	14:Y:516:CLA:HBC2	2.54	0.42
17:A:4002:BCR:H11C	17:A:4002:BCR:H341	1.83	0.42
2:B:276:HIS:HE2	14:B:1215:CLA:C2B	2.32	0.42
2:B:657:TRP:CZ3	14:B:1021:CLA:HBB	2.55	0.42
14:B:1012:CLA:H122	14:B:1012:CLA:H8	1.86	0.42
14:B:1209:CLA:H3A	14:B:1209:CLA:HBA2	1.47	0.42
14:B:1234:CLA:H143	14:B:1234:CLA:H111	1.81	0.42
17:1:523:BCR:H15C	17:1:523:BCR:H351	1.86	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:4:309:PHE:CD1	17:4:521:BCR:H12C	2.54	0.42
14:G:1237:CLA:H202	17:V:4019:BCR:H391	2.02	0.42
2:H:167:TRP:CZ2	14:H:1208:CLA:H102	2.54	0.42
14:H:1021:CLA:H62	14:H:1021:CLA:H102	1.83	0.42
17:H:4004:BCR:H361	17:H:4004:BCR:H20C	1.79	0.42
13:Y:148:PHE:HD2	14:Y:512:CLA:H3A	1.85	0.42
17:Z:524:BCR:H15C	17:Z:524:BCR:H351	1.78	0.42
1:A:544:PHE:CZ	17:L:4219:BCR:H332	2.55	0.42
1:A:734:GLN:HG3	18:A:5001:LHG:C7	2.49	0.42
18:A:5005:LHG:O7	17:2:521:BCR:HC22	2.19	0.42
2:B:7:LYS:HD2	11:M:28:TYR:CZ	2.54	0.42
2:B:299:HIS:HB3	2:B:304:ILE:HD11	2.01	0.42
2:B:428:PHE:CZ	17:J:4015:BCR:HC41	2.54	0.42
17:4:521:BCR:H11C	17:4:521:BCR:H341	1.88	0.42
14:G:1136:CLA:H92	14:G:1136:CLA:H62	1.81	0.42
14:G:1101:CLA:H51	8:T:19:PHE:HE2	1.85	0.42
17:H:4004:BCR:H11C	17:H:4004:BCR:H341	1.83	0.42
9:U:78:LEU:HD22	9:U:83:ASN:HB2	2.01	0.42
1:A:691:TRP:CE2	14:A:1011:CLA:HBA2	2.54	0.42
14:A:1237:CLA:H202	17:L:4019:BCR:H391	2.02	0.42
18:A:5008:LHG:C8	13:2:13:TRP:CZ2	3.03	0.42
2:B:218:HIS:HD2	2:B:220:ALA:H	1.67	0.42
14:B:1204:CLA:HMC2	14:B:1204:CLA:H92	2.02	0.42
14:B:1221:CLA:H112	14:B:1221:CLA:H72	1.72	0.42
14:B:1229:CLA:H112	14:B:1229:CLA:H152	1.81	0.42
13:1:148:PHE:HD2	14:1:512:CLA:H3A	1.85	0.42
17:3:522:BCR:H24C	17:3:522:BCR:H371	1.87	0.42
13:6:59:MET:HA	13:6:62:GLN:HB2	2.02	0.42
14:6:505:CLA:H111	14:6:517:CLA:HBB2	2.02	0.42
14:G:1013:CLA:H141	14:H:1012:CLA:H151	2.02	0.42
14:G:1108:CLA:HBA2	14:G:1108:CLA:H3A	1.75	0.42
14:G:1237:CLA:H13	10:V:89:LEU:HD21	2.02	0.42
2:H:111:SER:HB3	7:S:3:GLY:HA2	2.01	0.42
2:H:531:THR:HG21	14:H:1236:CLA:HMB3	2.02	0.42
2:H:657:TRP:CZ3	14:H:1021:CLA:H102	2.55	0.42
14:H:1221:CLA:H141	14:H:1221:CLA:H161	1.78	0.42
13:Y:207:HIS:CE1	17:Y:524:BCR:H381	2.54	0.42
13:Z:138:LEU:HA	13:Z:141:ILE:HD12	2.01	0.42
1:A:430:PRO:HG2	4:D:41:GLU:HB2	2.02	0.42
2:B:460:ALA:HB1	14:B:1234:CLA:HBD	2.02	0.42
2:B:481:ALA:HA	2:B:486:THR:HG21	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E:10:ARG:HD3	5:E:21:GLU:O	2.20	0.42
14:J:1303:CLA:HMD3	17:J:4015:BCR:H402	2.02	0.42
15:G:2001:PQN:H142	15:G:2001:PQN:H112	1.82	0.42
18:G:5001:LHG:H341	18:G:5001:LHG:H372	1.84	0.42
17:V:4022:BCR:H341	17:V:4022:BCR:H11C	1.82	0.42
2:B:167:TRP:CZ2	14:B:1208:CLA:H3A	2.54	0.42
2:B:177:HIS:CG	14:B:1210:CLA:HMC2	2.55	0.42
14:B:1206:CLA:H3A	14:B:1206:CLA:HBA1	1.63	0.42
14:B:1208:CLA:HAB	19:B:1843:LMU:H111	2.00	0.42
14:B:1224:CLA:HBA2	14:B:1224:CLA:H3A	1.67	0.42
18:L:5220:LHG:H151	18:L:5220:LHG:H292	2.02	0.42
13:5:221:HIS:HE1	14:5:506:CLA:NA	2.18	0.42
1:G:544:PHE:CZ	17:V:4219:BCR:H332	2.55	0.42
2:H:177:HIS:CG	14:H:1210:CLA:HMC2	2.55	0.42
2:H:194:LEU:HA	2:H:198:ALA:HB3	2.00	0.42
2:H:257:PHE:CD1	14:H:1214:CLA:HMB2	2.54	0.42
17:H:4006:BCR:H24C	17:H:4006:BCR:H371	1.79	0.42
14:A:1104:CLA:H201	18:A:5001:LHG:H221	2.01	0.42
14:A:1128:CLA:H142	14:A:1128:CLA:H111	1.83	0.42
17:A:4001:BCR:H11C	17:A:4001:BCR:H341	1.88	0.42
17:A:4008:BCR:H20C	17:A:4008:BCR:H361	1.83	0.42
2:B:192:GLY:O	2:B:196:HIS:HB2	2.20	0.42
14:B:1208:CLA:H61	14:B:1208:CLA:H2	1.84	0.42
12:P:36:ILE:HD12	12:P:36:ILE:HA	1.96	0.42
13:2:301:ALA:O	13:2:305:ASN:ND2	2.42	0.42
13:3:54:THR:H	13:3:62:GLN:HE22	1.68	0.42
13:4:65:ILE:HB	13:4:303:LEU:HD21	2.02	0.42
14:4:512:CLA:HAB	14:4:516:CLA:HMD3	2.02	0.42
14:G:1011:CLA:H62	14:G:1011:CLA:H102	1.82	0.42
14:G:1119:CLA:H111	14:G:1119:CLA:H152	1.81	0.42
14:G:1131:CLA:H142	14:G:1237:CLA:HMC1	2.02	0.42
17:G:4007:BCR:H11C	17:G:4007:BCR:H341	1.90	0.42
18:G:5008:LHG:C8	13:Z:13:TRP:CZ2	3.03	0.42
2:H:59:LEU:HD23	2:H:59:LEU:HA	1.92	0.42
2:H:276:HIS:HE2	14:H:1215:CLA:C2B	2.32	0.42
18:A:5006:LHG:H241	13:1:52:TRP:CH2	2.55	0.41
17:B:4006:BCR:H15C	17:B:4006:BCR:H351	1.81	0.41
3:C:61:ASP:HA	3:C:62:PHE:HA	1.81	0.41
6:F:87:LEU:HD21	14:J:1303:CLA:HMC3	2.02	0.41
17:F:4016:BCR:H24C	17:F:4016:BCR:H371	1.83	0.41
8:J:8:LEU:HA	8:J:13:ILE:HG21	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K:68:HIS:O	9:K:72:ILE:HG12	2.20	0.41
17:6:523:BCR:H11C	17:6:523:BCR:H341	1.91	0.41
1:G:430:PRO:HG2	4:O:41:GLU:HB2	2.02	0.41
1:G:691:TRP:CE2	14:G:1011:CLA:HBA2	2.54	0.41
14:G:1112:CLA:HBC3	18:G:5006:LHG:H352	2.02	0.41
3:N:61:ASP:HA	3:N:62:PHE:HA	1.81	0.41
20:T:5104:LMG:H292	20:T:5104:LMG:H321	1.89	0.41
17:U:4104:BCR:H11C	17:U:4104:BCR:H341	1.94	0.41
12:X:59:VAL:O	12:X:59:VAL:HG12	2.20	0.41
13:Y:79:ASP:OD1	13:Y:79:ASP:N	2.52	0.41
17:Y:521:BCR:H371	17:Y:521:BCR:H24C	1.78	0.41
1:A:749:VAL:HG21	17:A:4011:BCR:HC8	2.01	0.41
15:A:2001:PQN:H162	15:A:2001:PQN:H193	1.89	0.41
17:A:4008:BCR:H15C	17:A:4008:BCR:H351	1.77	0.41
2:B:126:THR:HG22	2:B:270:LEU:HD21	2.02	0.41
13:3:267:TYR:OH	14:3:502:CLA:O1D	2.36	0.41
14:5:509:CLA:H92	14:5:509:CLA:H62	1.81	0.41
1:G:205:LEU:HD11	14:G:1127:CLA:H192	2.03	0.41
1:G:554:ILE:HD11	14:G:1135:CLA:HBB1	2.02	0.41
14:G:1116:CLA:H91	14:G:1116:CLA:H111	1.82	0.41
14:G:1137:CLA:H143	14:G:1137:CLA:H112	1.83	0.41
17:G:4011:BCR:H20C	17:G:4011:BCR:H361	1.87	0.41
2:H:192:GLY:O	2:H:196:HIS:HB2	2.20	0.41
11:W:11:LEU:HD21	17:W:4021:BCR:H272	2.01	0.41
17:W:4021:BCR:H15C	17:W:4021:BCR:H351	1.81	0.41
17:Y:521:BCR:H11C	17:Y:521:BCR:H341	1.86	0.41
14:A:1112:CLA:HBC3	18:A:5006:LHG:H352	2.02	0.41
14:A:1131:CLA:H142	14:A:1237:CLA:HMC1	2.02	0.41
2:B:527:LEU:HD12	14:B:1236:CLA:HED3	2.02	0.41
14:B:1228:CLA:H12	14:B:1228:CLA:H52	1.77	0.41
17:B:4014:BCR:H24C	17:B:4014:BCR:H371	1.84	0.41
12:P:132:ALA:HB1	12:P:139:VAL:HG22	2.03	0.41
13:3:263:ASN:HD21	13:3:266:ALA:H	1.67	0.41
17:4:523:BCR:H351	17:4:523:BCR:H15C	1.79	0.41
17:6:522:BCR:H15C	17:6:522:BCR:H351	1.79	0.41
17:6:524:BCR:H351	17:6:524:BCR:H15C	1.80	0.41
14:G:1128:CLA:H142	14:G:1128:CLA:H111	1.83	0.41
14:H:1210:CLA:H111	17:H:4005:BCR:H381	2.03	0.41
14:H:1234:CLA:H143	14:H:1234:CLA:H111	1.81	0.41
5:Q:10:ARG:HD3	5:Q:21:GLU:O	2.20	0.41
1:A:205:LEU:HD11	14:A:1127:CLA:H192	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:A:2001:PQN:H112	15:A:2001:PQN:H142	1.82	0.41
18:A:5008:LHG:C8	13:2:13:TRP:HZ2	2.34	0.41
2:B:326:LEU:O	2:B:326:LEU:HD12	2.20	0.41
2:B:700:LEU:HD22	2:B:704:GLN:NE2	2.35	0.41
14:B:1229:CLA:H193	14:B:1229:CLA:H162	1.88	0.41
17:B:4014:BCR:H15C	17:B:4014:BCR:H351	1.95	0.41
9:K:78:LEU:HD22	9:K:83:ASN:HB2	2.01	0.41
13:2:73:LEU:HD11	14:2:503:CLA:HAA2	2.03	0.41
13:2:138:LEU:HA	13:2:141:ILE:HD12	2.01	0.41
13:3:323:LEU:HD22	14:3:518:CLA:HMD1	2.02	0.41
13:4:26:LEU:HB3	14:4:511:CLA:HMA2	2.01	0.41
14:G:1115:CLA:H142	14:G:1115:CLA:H112	1.92	0.41
14:G:1126:CLA:H72	14:G:1126:CLA:H111	1.88	0.41
14:G:1130:CLA:HMC2	14:V:1502:CLA:H151	2.02	0.41
2:H:159:PRO:HD2	21:H:1852:SQD:H5	2.02	0.41
2:H:326:LEU:HD12	2:H:326:LEU:O	2.20	0.41
14:H:1204:CLA:H92	14:H:1204:CLA:HMC2	2.02	0.41
14:H:1206:CLA:H3A	14:H:1206:CLA:HBA1	1.63	0.41
14:H:1218:CLA:H61	14:H:1218:CLA:H2	1.75	0.41
1:A:141:SER:HB3	14:A:1126:CLA:HAA2	2.02	0.41
1:A:601:ASP:HA	1:A:604:PHE:HB3	2.03	0.41
14:A:1106:CLA:H61	14:A:1106:CLA:H92	1.78	0.41
2:B:339:ALA:HB2	17:B:4010:BCR:H372	2.03	0.41
15:B:2002:PQN:H261	15:B:2002:PQN:H222	1.78	0.41
7:I:17:LEU:HD23	7:I:17:LEU:HA	1.84	0.41
10:L:85:LEU:HD12	10:L:85:LEU:HA	1.89	0.41
17:1:524:BCR:H15C	17:1:524:BCR:H351	1.79	0.41
17:3:521:BCR:H351	17:3:521:BCR:H15C	1.77	0.41
13:4:54:THR:HG22	13:4:56:ASP:H	1.86	0.41
1:G:197:LEU:O	1:G:201:LEU:HB2	2.21	0.41
14:G:1129:CLA:H51	14:G:1129:CLA:H11	1.84	0.41
18:G:5008:LHG:C8	13:Z:13:TRP:HZ2	2.33	0.41
14:H:1223:CLA:H13	17:H:4010:BCR:H15C	2.02	0.41
17:H:4004:BCR:H15C	17:H:4004:BCR:H351	1.83	0.41
6:R:87:LEU:HD21	14:T:1303:CLA:HMC3	2.02	0.41
1:A:354:GLU:HA	1:A:357:THR:HG22	2.03	0.41
14:A:1237:CLA:H13	10:L:89:LEU:HD21	2.02	0.41
2:B:323:TYR:O	2:B:327:ASN:HB2	2.20	0.41
14:B:1207:CLA:C4	18:V:5221:LHG:H252	2.42	0.41
13:1:57:GLN:HB2	13:1:62:GLN:HE21	1.85	0.41
13:5:26:LEU:HB3	14:5:511:CLA:HMA2	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:315:LEU:CD2	14:G:1119:CLA:HMC1	2.50	0.41
2:H:218:HIS:HD2	2:H:220:ALA:H	1.67	0.41
17:T:4015:BCR:H15C	17:T:4015:BCR:H351	1.81	0.41
9:U:68:HIS:O	9:U:72:ILE:HG12	2.20	0.41
17:Z:521:BCR:H371	17:Z:521:BCR:H24C	1.77	0.41
17:Z:524:BCR:H20C	17:Z:524:BCR:H361	1.91	0.41
14:A:1013:CLA:H122	14:A:1140:CLA:H101	2.03	0.41
14:A:1133:CLA:H192	14:A:1133:CLA:H162	1.88	0.41
14:B:1207:CLA:HMA1	18:V:5221:LHG:H121	2.02	0.41
5:E:53:ASP:OD1	5:E:53:ASP:N	2.43	0.41
13:3:110:HIS:HA	13:3:114:ALA:HB3	2.02	0.41
13:3:183:ASN:HD22	13:3:186:VAL:HG23	1.86	0.41
14:4:507:CLA:HED2	14:4:507:CLA:H2A	2.03	0.41
14:6:513:CLA:HMC2	17:6:523:BCR:H372	2.02	0.41
1:G:23:THR:HG21	18:G:5008:LHG:C9	2.51	0.41
1:G:366:ILE:HD11	17:G:4007:BCR:HC7	2.03	0.41
14:G:1106:CLA:H92	14:G:1106:CLA:H61	1.78	0.41
14:G:1119:CLA:H122	14:G:1122:CLA:H101	2.03	0.41
14:H:1207:CLA:H91	14:H:1207:CLA:H112	1.87	0.41
15:H:2002:PQN:H261	15:H:2002:PQN:H222	1.78	0.41
14:T:1303:CLA:HMD3	17:T:4015:BCR:H402	2.02	0.41
12:X:132:ALA:HB1	12:X:139:VAL:HG22	2.03	0.41
13:Z:73:LEU:HD11	14:Z:503:CLA:HAA2	2.03	0.41
14:Z:505:CLA:H11	14:Z:505:CLA:HBA2	1.80	0.41
19:A:1849:LMU:H62	19:A:1849:LMU:H91	1.81	0.41
2:B:142:LEU:HD23	2:B:142:LEU:HA	1.88	0.41
2:B:150:LEU:HD22	11:M:20:ALA:HA	2.03	0.41
2:B:262:HIS:HA	2:B:263:PRO:HD3	1.96	0.41
14:B:1223:CLA:H13	17:B:4010:BCR:H15C	2.02	0.41
17:J:4013:BCR:H15C	17:J:4013:BCR:H351	1.87	0.41
13:1:206:GLY:HA3	17:1:524:BCR:H402	2.02	0.41
14:G:1123:CLA:H193	14:G:1123:CLA:H162	1.84	0.41
2:H:339:ALA:HB2	17:H:4010:BCR:H372	2.03	0.41
2:H:697:PRO:O	3:N:81:TYR:OH	2.30	0.41
14:H:1201:CLA:H2A	14:H:1201:CLA:HED2	2.03	0.41
4:O:127:ASN:O	4:O:130:THR:OG1	2.34	0.41
17:W:4021:BCR:H24C	17:W:4021:BCR:H371	1.83	0.41
13:Y:326:MET:H	13:Y:326:MET:HG2	1.72	0.41
17:Z:522:BCR:H24C	17:Z:522:BCR:H371	1.84	0.41
1:A:366:ILE:HD11	17:A:4007:BCR:HC7	2.03	0.41
14:A:1129:CLA:H11	14:A:1129:CLA:H51	1.84	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:1130:CLA:HMC2	14:L:1502:CLA:H151	2.02	0.41
14:B:1205:CLA:H51	14:B:1205:CLA:H8	1.87	0.41
17:B:4006:BCR:H371	17:B:4006:BCR:H24C	1.79	0.41
8:J:13:ILE:HD11	17:J:4013:BCR:H281	2.02	0.41
13:1:79:ASP:OD1	13:1:79:ASP:N	2.52	0.41
13:6:16:GLY:HA3	14:6:511:CLA:HMD3	2.02	0.41
14:6:512:CLA:H2A	14:6:512:CLA:HED2	2.03	0.41
1:G:217:ILE:HD11	1:G:287:LEU:HD21	2.02	0.41
1:G:468:ILE:HG23	14:G:1022:CLA:H61	2.03	0.41
17:G:4003:BCR:H361	17:G:4003:BCR:H20C	1.82	0.41
18:G:5006:LHG:H241	13:Y:52:TRP:CH2	2.55	0.41
23:G:909:HOH:O	2:H:682:HIS:HB2	2.21	0.41
2:H:126:THR:HG22	2:H:270:LEU:HD21	2.02	0.41
2:H:142:LEU:HD23	2:H:142:LEU:HA	1.88	0.41
2:H:531:THR:O	2:H:535:VAL:HB	2.21	0.41
2:H:700:LEU:HD22	2:H:704:GLN:NE2	2.35	0.41
14:H:1234:CLA:H161	14:H:1234:CLA:H193	1.86	0.41
13:Y:206:GLY:HA3	17:Y:524:BCR:H402	2.02	0.41
17:Z:522:BCR:H15C	17:Z:522:BCR:H351	1.77	0.41
1:A:470:ASN:HB3	1:A:653:THR:HG22	2.02	0.41
14:A:1013:CLA:H141	14:B:1012:CLA:H151	2.02	0.41
14:A:1237:CLA:HAA2	14:A:1130:CLA:HMB1	2.03	0.41
2:B:111:SER:HB3	7:I:3:GLY:HA2	2.02	0.41
2:B:293:THR:OG1	2:B:294:ASN:N	2.54	0.41
14:B:1204:CLA:H142	14:B:1204:CLA:H112	1.93	0.41
17:B:4017:BCR:H371	17:B:4017:BCR:H24C	1.81	0.41
12:P:59:VAL:O	12:P:59:VAL:HG12	2.20	0.41
17:2:523:BCR:H20C	17:2:523:BCR:H361	1.94	0.41
13:3:16:GLY:HA3	14:3:511:CLA:HMD3	2.03	0.41
13:4:34:GLN:HG2	14:4:509:CLA:HHB	2.03	0.41
14:4:509:CLA:O1A	14:4:510:CLA:HBB1	2.21	0.41
13:6:47:LEU:HD21	13:6:90:PHE:HD1	1.86	0.41
1:G:470:ASN:HB3	1:G:653:THR:HG22	2.02	0.41
14:G:1106:CLA:H161	14:G:1106:CLA:H122	1.60	0.41
14:H:1216:CLA:H111	14:H:1216:CLA:H91	1.84	0.41
17:Y:524:BCR:H351	17:Y:524:BCR:H15C	1.79	0.41
13:Z:243:SER:O	13:Z:318:HIS:ND1	2.44	0.41
1:A:217:ILE:HD11	1:A:287:LEU:HD21	2.03	0.40
14:A:1237:CLA:HED3	2:B:681:ALA:HB1	2.03	0.40
14:B:1211:CLA:H12	14:B:1211:CLA:H52	1.90	0.40
14:B:1219:CLA:HBC2	14:B:1220:CLA:HBA1	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L:3:GLN:N	10:L:3:GLN:OE1	2.54	0.40
13:3:148:PHE:CD2	14:3:512:CLA:H3A	2.53	0.40
17:4:524:BCR:H11C	17:4:524:BCR:H341	1.79	0.40
17:5:523:BCR:H15C	17:5:523:BCR:H351	1.82	0.40
1:G:141:SER:HB3	14:G:1126:CLA:HAA2	2.02	0.40
1:G:173:LEU:HD12	1:G:173:LEU:HA	1.95	0.40
1:G:440:ARG:NH2	10:V:4:ASP:OD1	2.54	0.40
1:G:728:ARG:HH11	1:G:728:ARG:HD3	1.77	0.40
14:G:1237:CLA:HED3	2:H:681:ALA:HB1	2.03	0.40
2:H:118:SER:HA	14:H:1224:CLA:HMA2	2.03	0.40
2:H:323:TYR:O	2:H:327:ASN:HB2	2.20	0.40
2:H:704:GLN:HG3	20:H:5002:LMG:H131	2.03	0.40
14:H:1215:CLA:H142	14:H:1215:CLA:H112	1.90	0.40
6:R:91:ILE:O	6:R:94:TRP:HB3	2.21	0.40
14:Y:516:CLA:H3A	14:Y:516:CLA:HBA1	1.45	0.40
13:Z:148:PHE:HE2	14:Z:512:CLA:HHB	1.86	0.40
1:A:315:LEU:CD2	14:A:1119:CLA:HMC1	2.50	0.40
1:A:360:TRP:HE3	14:A:1103:CLA:HMD2	1.86	0.40
2:B:558:PRO:HB3	2:B:702:ILE:HB	2.03	0.40
12:P:51:ILE:HG12	12:P:84:ALA:HB3	2.04	0.40
13:1:305:ASN:HB3	17:1:521:BCR:HC8	2.03	0.40
14:1:512:CLA:H3A	14:1:512:CLA:HBA1	1.68	0.40
17:1:521:BCR:H24C	17:1:521:BCR:H371	1.79	0.40
13:4:143:GLY:HA3	13:4:222:ILE:HG23	2.03	0.40
1:G:354:GLU:HA	1:G:357:THR:HG22	2.03	0.40
19:G:1849:LMU:H62	19:G:1849:LMU:H91	1.81	0.40
13:Y:57:GLN:HB2	13:Y:62:GLN:HE21	1.86	0.40
1:A:197:LEU:O	1:A:201:LEU:HB2	2.21	0.40
23:A:909:HOH:O	2:B:682:HIS:HB2	2.21	0.40
2:B:270:LEU:HD23	2:B:270:LEU:HA	1.89	0.40
14:B:1201:CLA:H143	14:B:1201:CLA:H111	1.90	0.40
17:B:4009:BCR:H24C	17:B:4009:BCR:H371	1.94	0.40
7:I:16:PRO:HB2	17:V:4219:BCR:H291	2.02	0.40
17:4:524:BCR:H15C	17:4:524:BCR:H351	1.82	0.40
17:5:522:BCR:H15C	17:5:522:BCR:H351	1.77	0.40
13:6:246:LEU:HD23	13:6:246:LEU:HA	1.87	0.40
1:G:601:ASP:HA	1:G:604:PHE:HB3	2.03	0.40
14:G:1110:CLA:H3A	14:G:1110:CLA:HBA2	1.63	0.40
17:G:4008:BCR:H20C	17:G:4008:BCR:H361	1.83	0.40
2:H:460:ALA:HB1	14:H:1234:CLA:HBD	2.02	0.40
14:H:1023:CLA:H92	14:H:1023:CLA:H62	1.92	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:H:4010:BCR:H20C	17:H:4010:BCR:H361	1.86	0.40
7:S:10:LEU:HD23	7:S:10:LEU:HA	1.89	0.40
8:T:13:ILE:HD11	17:T:4013:BCR:H281	2.03	0.40
17:T:4013:BCR:H15C	17:T:4013:BCR:H351	1.87	0.40
18:V:5220:LHG:H151	18:V:5220:LHG:H292	2.02	0.40
17:Z:521:BCR:H351	17:Z:521:BCR:H15C	1.83	0.40
1:A:336:ILE:HG21	1:A:336:ILE:HD13	1.89	0.40
1:A:371:LEU:HD12	1:A:371:LEU:HA	1.88	0.40
1:A:554:ILE:HD11	14:A:1135:CLA:HBB1	2.02	0.40
14:A:1115:CLA:H41	14:A:1115:CLA:H62	1.65	0.40
14:A:1101:CLA:H51	8:J:19:PHE:HE2	1.85	0.40
2:B:531:THR:O	2:B:535:VAL:HB	2.21	0.40
4:D:89:PHE:HB2	4:D:93:ASP:HB3	2.02	0.40
17:2:524:BCR:H20C	17:2:524:BCR:H361	1.91	0.40
13:5:110:HIS:HA	13:5:114:ALA:HB3	2.04	0.40
13:5:148:PHE:CD2	14:5:512:CLA:H3A	2.53	0.40
17:5:522:BCR:H371	17:5:522:BCR:H24C	1.88	0.40
13:6:26:LEU:HD22	14:6:511:CLA:HAA2	2.03	0.40
1:G:317:ILE:O	1:G:321:HIS:ND1	2.46	0.40
1:G:577:LYS:NZ	2:H:673:GLU:OE2	2.43	0.40
2:H:658:ALA:HB3	14:H:1023:CLA:HBB2	2.04	0.40
14:H:1205:CLA:H8	14:H:1205:CLA:H51	1.87	0.40
14:H:1219:CLA:HBC2	14:H:1220:CLA:HBA1	2.03	0.40
14:H:1230:CLA:H102	14:H:1230:CLA:H61	1.83	0.40
13:Y:282:VAL:HG23	13:Y:283:THR:HG23	2.04	0.40
13:Y:305:ASN:HB3	17:Y:521:BCR:HC8	2.03	0.40
1:A:468:ILE:HG23	14:A:1022:CLA:H61	2.03	0.40
18:A:5004:LHG:H271	18:A:5005:LHG:H291	2.04	0.40
14:B:1210:CLA:H111	17:B:4005:BCR:H381	2.03	0.40
14:B:1216:CLA:H91	14:B:1216:CLA:H111	1.84	0.40
17:B:4010:BCR:H15C	17:B:4010:BCR:H351	1.72	0.40
5:E:56:VAL:HG12	5:E:58:THR:H	1.87	0.40
17:2:522:BCR:H24C	17:2:522:BCR:H371	1.84	0.40
13:3:77:VAL:HG12	13:3:83:VAL:HA	2.03	0.40
17:4:522:BCR:H24C	17:4:522:BCR:H371	1.90	0.40
13:6:221:HIS:CE1	14:6:506:CLA:NA	2.89	0.40
1:G:329:ILE:HD13	9:U:62:ALA:HB2	2.03	0.40
14:G:1013:CLA:H122	14:G:1140:CLA:H101	2.03	0.40
14:G:1237:CLA:HAA2	14:G:1130:CLA:HMB1	2.03	0.40
17:G:4003:BCR:H15C	17:G:4003:BCR:H351	1.80	0.40
14:H:1222:CLA:HBA2	14:H:1222:CLA:H3A	1.90	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	749/763 (98%)	724 (97%)	25 (3%)	0	100	100
1	G	749/763 (98%)	724 (97%)	25 (3%)	0	100	100
1	e	749/763 (98%)	724 (97%)	25 (3%)	0	100	100
2	B	731/734 (100%)	710 (97%)	21 (3%)	0	100	100
2	H	731/734 (100%)	710 (97%)	21 (3%)	0	100	100
2	f	731/734 (100%)	710 (97%)	21 (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%)	133 (96%)	6 (4%)	0	100	100
4	O	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
4	h	139/141 (99%)	133 (96%)	6 (4%)	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%)	35 (97%)	1 (3%)	0	100	100
7	S	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	k	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
8	J	39/41 (95%)	39 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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%)	158 (98%)	4 (2%)	0	100	100
10	V	162/166 (98%)	158 (98%)	4 (2%)	0	100	100
10	n	162/166 (98%)	158 (98%)	4 (2%)	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
11	o	27/29 (93%)	27 (100%)	0	0	100	100
12	P	167/172 (97%)	159 (95%)	8 (5%)	0	100	100
12	X	167/172 (97%)	159 (95%)	8 (5%)	0	100	100
12	p	167/172 (97%)	159 (95%)	8 (5%)	0	100	100
13	1	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
13	2	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
13	3	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
13	4	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
13	5	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
13	6	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
13	Y	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
13	Z	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
13	a	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
13	b	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
13	c	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
13	d	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
13	q	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
13	r	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
13	s	337/342 (98%)	330 (98%)	7 (2%)	0	100	100
13	t	337/342 (98%)	326 (97%)	11 (3%)	0	100	100
13	u	337/342 (98%)	326 (97%)	11 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
13	v	337/342 (98%)	328 (97%)	9 (3%)	0	100	100
All	All	13287/13605 (98%)	12906 (97%)	381 (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%)	597 (100%)	3 (0%)	88	93
1	G	600/611 (98%)	597 (100%)	3 (0%)	88	93
1	e	600/611 (98%)	597 (100%)	3 (0%)	88	93
2	B	583/584 (100%)	582 (100%)	1 (0%)	93	97
2	H	583/584 (100%)	582 (100%)	1 (0%)	93	97
2	f	583/584 (100%)	582 (100%)	1 (0%)	93	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

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
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
12	P	140/142 (99%)	140 (100%)	0	100	100
12	X	140/142 (99%)	140 (100%)	0	100	100
12	p	140/142 (99%)	140 (100%)	0	100	100
13	1	257/259 (99%)	257 (100%)	0	100	100
13	2	257/259 (99%)	257 (100%)	0	100	100
13	3	257/259 (99%)	257 (100%)	0	100	100
13	4	257/259 (99%)	257 (100%)	0	100	100
13	5	257/259 (99%)	257 (100%)	0	100	100
13	6	257/259 (99%)	257 (100%)	0	100	100
13	Y	257/259 (99%)	257 (100%)	0	100	100
13	Z	257/259 (99%)	257 (100%)	0	100	100
13	a	257/259 (99%)	257 (100%)	0	100	100
13	b	257/259 (99%)	257 (100%)	0	100	100
13	c	257/259 (99%)	257 (100%)	0	100	100
13	d	257/259 (99%)	257 (100%)	0	100	100
13	q	257/259 (99%)	257 (100%)	0	100	100
13	r	257/259 (99%)	257 (100%)	0	100	100
13	s	257/259 (99%)	257 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	t	257/259 (99%)	257 (100%)	0	100	100
13	u	257/259 (99%)	257 (100%)	0	100	100
13	v	257/259 (99%)	257 (100%)	0	100	100
All	All	10437/10593 (98%)	10425 (100%)	12 (0%)	93	97

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

Mol	Chain	Res	Type
1	A	13	LYS
1	A	36	ARG
1	A	383	TYR
2	B	443	VAL
1	G	13	LYS
1	G	36	ARG
1	G	383	TYR
2	H	443	VAL
1	e	13	LYS
1	e	36	ARG
1	e	383	TYR
2	f	443	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (62) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	19	ASN
1	A	179	HIS
1	A	181	HIS
1	A	216	GLN
1	A	239	ASN
1	A	253	HIS
1	A	612	ASN
1	A	626	GLN
2	B	34	HIS
2	B	122	HIS
2	B	156	HIS
2	B	218	HIS
2	B	452	GLN
2	B	603	GLN
4	D	71	GLN
5	E	67	GLN

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Mol	Chain	Res	Type
6	F	58	GLN
13	1	57	GLN
13	4	62	GLN
13	4	137	GLN
13	4	263	ASN
1	G	19	ASN
1	G	179	HIS
1	G	216	GLN
1	G	239	ASN
1	G	253	HIS
1	G	612	ASN
1	G	626	GLN
2	H	34	HIS
2	H	122	HIS
2	H	156	HIS
2	H	218	HIS
2	H	452	GLN
2	H	603	GLN
4	O	71	GLN
5	Q	67	GLN
6	R	58	GLN
13	Y	57	GLN
13	b	62	GLN
13	b	137	GLN
13	b	263	ASN
1	e	19	ASN
1	e	179	HIS
1	e	181	HIS
1	e	216	GLN
1	e	239	ASN
1	e	253	HIS
1	e	612	ASN
1	e	626	GLN
2	f	34	HIS
2	f	122	HIS
2	f	156	HIS
2	f	218	HIS
2	f	452	GLN
2	f	603	GLN
4	h	71	GLN
5	i	67	GLN
6	j	58	GLN

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Mol	Chain	Res	Type
13	q	57	GLN
13	t	62	GLN
13	t	137	GLN
13	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 monosaccharides in this entry.

5.6 Ligand geometry [i](#)

843 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$
14	CLA	1	512	13	45,53,73	1.74	8 (17%)	52,89,113	1.49	5 (9%)
21	SQD	r	822	-	27,28,54	1.22	4 (14%)	36,39,65	1.86	10 (27%)
14	CLA	d	509	13	45,53,73	1.75	7 (15%)	52,89,113	1.69	7 (13%)
14	CLA	G	1117	1	65,73,73	1.47	10 (15%)	76,113,113	1.57	10 (13%)
14	CLA	t	512	13	45,53,73	1.74	6 (13%)	52,89,113	1.60	6 (11%)
17	BCR	4	521	-	41,41,41	0.67	0	56,56,56	1.79	11 (19%)
14	CLA	2	503	13	65,73,73	1.45	6 (9%)	76,113,113	1.47	8 (10%)
14	CLA	e	1102	1	55,63,73	1.56	9 (16%)	64,101,113	1.62	7 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	H	4014	-	41,41,41	0.83	0	56,56,56	1.89	23 (41%)
14	CLA	u	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.57	8 (15%)
14	CLA	B	1211	2	55,63,73	1.52	8 (14%)	64,101,113	1.68	8 (12%)
18	LHG	H	1842	14	36,36,48	0.81	1 (2%)	39,42,54	1.26	3 (7%)
14	CLA	G	1022	23	65,73,73	1.53	11 (16%)	76,113,113	1.55	11 (14%)
16	SF4	A	3001	2,1	0,12,12	-	-	-	-	-
14	CLA	e	1113	1	45,53,73	1.67	7 (15%)	52,89,113	1.81	7 (13%)
14	CLA	3	512	13	45,53,73	1.77	8 (17%)	52,89,113	1.52	5 (9%)
14	CLA	f	1229	2	65,73,73	1.41	8 (12%)	76,113,113	1.60	8 (10%)
17	BCR	d	522	-	41,41,41	0.71	0	56,56,56	1.89	19 (33%)
18	LHG	A	5004	-	34,34,48	0.67	0	37,40,54	1.28	4 (10%)
14	CLA	3	502	13	45,53,73	1.76	7 (15%)	52,89,113	1.72	9 (17%)
14	CLA	H	1218	2	60,68,73	1.51	8 (13%)	70,107,113	1.44	7 (10%)
14	CLA	a	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.67	9 (17%)
14	CLA	A	1128	1	65,73,73	1.58	11 (16%)	76,113,113	1.69	9 (11%)
14	CLA	A	1111	1	65,73,73	1.43	9 (13%)	76,113,113	1.53	8 (10%)
14	CLA	6	502	13	45,53,73	1.77	7 (15%)	52,89,113	1.66	8 (15%)
14	CLA	e	1117	1	65,73,73	1.47	10 (15%)	76,113,113	1.57	10 (13%)
17	BCR	a	522	-	41,41,41	0.70	0	56,56,56	2.03	17 (30%)
14	CLA	f	1204	2	65,73,73	1.40	8 (12%)	76,113,113	1.47	9 (11%)
14	CLA	e	1124	23	60,68,73	1.53	9 (15%)	70,107,113	1.59	10 (14%)
14	CLA	B	1214	2	65,73,73	1.49	9 (13%)	76,113,113	1.51	7 (9%)
18	LHG	A	5003	14	39,39,48	0.86	1 (2%)	42,45,54	1.38	6 (14%)
14	CLA	s	512	13	45,53,73	1.78	8 (17%)	52,89,113	1.52	5 (9%)
14	CLA	4	503	13	45,53,73	1.79	7 (15%)	52,89,113	1.71	8 (15%)
14	CLA	G	1114	23	45,53,73	1.80	8 (17%)	52,89,113	1.69	9 (17%)
14	CLA	H	1235	2	65,73,73	1.47	10 (15%)	76,113,113	1.51	8 (10%)
14	CLA	Z	519	13	45,53,73	1.76	9 (20%)	52,89,113	1.60	8 (15%)
18	LHG	V	5218	-	36,36,48	0.76	2 (5%)	39,42,54	1.20	4 (10%)
21	SQD	c	822	-	25,26,54	1.29	4 (16%)	34,37,65	1.95	11 (32%)
17	BCR	2	524	-	41,41,41	0.73	0	56,56,56	1.76	12 (21%)
14	CLA	c	513	13	45,53,73	1.79	8 (17%)	52,89,113	1.56	6 (11%)
14	CLA	q	508	13	45,53,73	1.77	9 (20%)	52,89,113	1.93	8 (15%)
14	CLA	r	502	13	45,53,73	1.76	7 (15%)	52,89,113	1.70	9 (17%)
14	CLA	c	507	-	45,53,73	1.74	6 (13%)	52,89,113	1.71	9 (17%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	5	519	13	45,53,73	1.78	6 (13%)	52,89,113	1.61	7 (13%)
14	CLA	e	1134	1	56,64,73	1.56	8 (14%)	65,102,113	1.64	11 (16%)
14	CLA	F	1302	6	45,53,73	1.76	9 (20%)	52,89,113	1.58	8 (15%)
14	CLA	B	1204	2	65,73,73	1.40	8 (12%)	76,113,113	1.47	9 (11%)
14	CLA	A	1115	1	60,68,73	1.51	9 (15%)	70,107,113	1.59	7 (10%)
17	BCR	J	4013	-	41,41,41	0.77	0	56,56,56	1.93	16 (28%)
14	CLA	B	1239	2	65,73,73	1.48	8 (12%)	76,113,113	1.72	15 (19%)
14	CLA	3	510	13	45,53,73	1.75	8 (17%)	52,89,113	1.64	7 (13%)
14	CLA	e	1138	1	65,73,73	1.45	9 (13%)	76,113,113	1.54	7 (9%)
14	CLA	H	1201	2	60,68,73	1.49	7 (11%)	70,107,113	1.65	9 (12%)
14	CLA	H	1224	2	60,68,73	1.50	7 (11%)	70,107,113	1.54	9 (12%)
14	CLA	H	1212	2	51,59,73	1.59	7 (13%)	59,96,113	1.68	6 (10%)
17	BCR	d	524	-	41,41,41	0.79	0	56,56,56	1.84	15 (26%)
14	CLA	f	1201	2	60,68,73	1.49	7 (11%)	70,107,113	1.65	9 (12%)
14	CLA	u	503	13	45,53,73	1.78	7 (15%)	52,89,113	1.68	10 (19%)
18	LHG	e	5005	-	42,42,48	0.65	1 (2%)	45,48,54	1.21	4 (8%)
14	CLA	B	1240	18	65,73,73	1.47	6 (9%)	76,113,113	1.46	8 (10%)
14	CLA	B	1213	2	61,69,73	1.47	7 (11%)	71,108,113	1.60	9 (12%)
14	CLA	B	1205	2	65,73,73	1.46	10 (15%)	76,113,113	1.59	11 (14%)
14	CLA	f	1209	2	53,61,73	1.63	8 (15%)	61,98,113	1.68	8 (13%)
14	CLA	f	1021	2	65,73,73	1.47	9 (13%)	76,113,113	1.45	9 (11%)
14	CLA	t	517	-	45,53,73	1.75	6 (13%)	52,89,113	1.66	8 (15%)
14	CLA	G	1013	-	65,73,73	1.43	8 (12%)	76,113,113	1.88	13 (17%)
14	CLA	a	506	13	45,53,73	1.77	7 (15%)	52,89,113	1.70	6 (11%)
14	CLA	f	1236	2	50,58,73	1.70	9 (18%)	58,95,113	1.55	10 (17%)
16	SF4	G	3001	2,1	0,12,12	-	-	-	-	-
14	CLA	G	1120	1	50,58,73	1.57	8 (16%)	58,95,113	1.73	10 (17%)
21	SQD	4	822	-	25,26,54	1.32	4 (16%)	34,37,65	1.97	9 (26%)
14	CLA	u	504	-	45,53,73	1.77	8 (17%)	52,89,113	1.67	7 (13%)
17	BCR	e	4008	-	41,41,41	0.95	2 (4%)	56,56,56	2.17	16 (28%)
14	CLA	d	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.71	7 (13%)
14	CLA	v	508	13	45,53,73	1.76	7 (15%)	52,89,113	1.78	11 (21%)
14	CLA	Z	516	13	45,53,73	1.77	7 (15%)	52,89,113	1.66	8 (15%)
14	CLA	H	1230	2	60,68,73	1.54	10 (16%)	70,107,113	1.46	7 (10%)
14	CLA	G	1128	1	65,73,73	1.58	11 (16%)	76,113,113	1.69	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	d	511	13	45,53,73	1.77	5 (11%)	52,89,113	1.70	7 (13%)
14	CLA	5	517	-	45,53,73	1.79	8 (17%)	52,89,113	1.56	6 (11%)
14	CLA	Y	510	13	45,53,73	1.77	8 (17%)	52,89,113	1.60	6 (11%)
21	SQD	q	822	-	31,32,54	1.20	5 (16%)	40,43,65	2.05	13 (32%)
14	CLA	a	507	-	45,53,73	1.74	6 (13%)	52,89,113	1.68	9 (17%)
18	LHG	n	5221	-	48,48,48	0.62	0	51,54,54	1.28	7 (13%)
14	CLA	B	1202	2	65,73,73	1.41	7 (10%)	76,113,113	1.58	8 (10%)
14	CLA	2	510	13	45,53,73	1.72	7 (15%)	52,89,113	1.62	6 (11%)
19	LMU	l	5105	-	22,22,36	1.21	1 (4%)	27,27,47	1.43	5 (18%)
14	CLA	5	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.56	8 (15%)
14	CLA	Z	503	13	65,73,73	1.45	6 (9%)	76,113,113	1.47	8 (10%)
14	CLA	u	508	13	45,53,73	1.79	9 (20%)	52,89,113	1.85	7 (13%)
14	CLA	s	516	13	45,53,73	1.75	5 (11%)	52,89,113	1.87	11 (21%)
14	CLA	f	1238	23	65,73,73	1.41	7 (10%)	76,113,113	1.63	10 (13%)
14	CLA	l	510	13	45,53,73	1.76	8 (17%)	52,89,113	1.60	6 (11%)
18	LHG	G	5008	-	34,34,48	0.71	1 (2%)	37,40,54	1.25	3 (8%)
14	CLA	G	1134	1	56,64,73	1.55	8 (14%)	65,102,113	1.64	11 (16%)
14	CLA	b	505	13	45,53,73	1.76	8 (17%)	52,89,113	1.54	6 (11%)
14	CLA	5	503	13	45,53,73	1.78	7 (15%)	52,89,113	1.67	10 (19%)
14	CLA	Y	503	13	45,53,73	1.77	8 (17%)	52,89,113	1.66	7 (13%)
14	CLA	f	1205	2	65,73,73	1.46	10 (15%)	76,113,113	1.59	11 (14%)
19	LMU	G	1849	-	23,23,36	1.18	1 (4%)	28,28,47	1.39	4 (14%)
14	CLA	a	512	13	45,53,73	1.76	8 (17%)	52,89,113	1.53	5 (9%)
14	CLA	L	1501	10	60,68,73	1.56	10 (16%)	70,107,113	1.50	9 (12%)
14	CLA	A	1104	1	65,73,73	1.44	9 (13%)	76,113,113	1.59	13 (17%)
14	CLA	l	503	13	45,53,73	1.76	8 (17%)	52,89,113	1.66	7 (13%)
14	CLA	q	510	13	45,53,73	1.77	7 (15%)	52,89,113	1.59	6 (11%)
17	BCR	H	4006	-	41,41,41	0.78	0	56,56,56	2.09	18 (32%)
14	CLA	e	1103	1	65,73,73	1.45	9 (13%)	76,113,113	1.73	10 (13%)
14	CLA	L	1502	10	65,73,73	1.45	9 (13%)	76,113,113	1.53	8 (10%)
14	CLA	H	1204	2	65,73,73	1.40	8 (12%)	76,113,113	1.47	9 (11%)
14	CLA	A	1122	1	60,68,73	1.50	10 (16%)	70,107,113	1.54	9 (12%)
16	SF4	N	3003	3	0,12,12	-	-	-	-	-
14	CLA	A	1135	1	55,63,73	1.49	10 (18%)	64,101,113	1.76	11 (17%)
14	CLA	f	1230	2	60,68,73	1.54	10 (16%)	70,107,113	1.46	7 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	r	508	13	45,53,73	1.78	9 (20%)	52,89,113	1.76	10 (19%)
17	BCR	Z	524	-	41,41,41	0.74	0	56,56,56	1.75	12 (21%)
16	SF4	g	3003	3	0,12,12	-	-	-		
14	CLA	2	511	13	45,53,73	1.75	7 (15%)	52,89,113	1.70	7 (13%)
17	BCR	n	4022	-	41,41,41	0.79	0	56,56,56	1.82	10 (17%)
14	CLA	c	518	13	45,53,73	1.75	6 (13%)	52,89,113	1.56	8 (15%)
14	CLA	e	1120	1	50,58,73	1.58	8 (16%)	58,95,113	1.73	10 (17%)
14	CLA	t	519	13	45,53,73	1.75	7 (15%)	52,89,113	1.64	7 (13%)
17	BCR	4	522	-	41,41,41	0.73	0	56,56,56	1.91	19 (33%)
14	CLA	m	1103	9	48,56,73	1.66	8 (16%)	55,92,113	1.61	8 (14%)
14	CLA	j	1301	23	45,53,73	1.73	9 (20%)	52,89,113	1.60	6 (11%)
18	LHG	G	5004	-	34,34,48	0.67	0	37,40,54	1.28	4 (10%)
17	BCR	R	4016	-	41,41,41	0.81	0	56,56,56	1.91	12 (21%)
14	CLA	A	1137	1	60,68,73	1.53	9 (15%)	70,107,113	1.56	10 (14%)
14	CLA	3	503	13	45,53,73	1.77	6 (13%)	52,89,113	1.64	8 (15%)
14	CLA	r	501	13	60,68,73	1.50	8 (13%)	70,107,113	1.57	8 (11%)
17	BCR	l	4015	-	41,41,41	0.80	0	56,56,56	1.73	12 (21%)
18	LHG	e	5007	-	46,46,48	0.61	0	49,52,54	1.20	4 (8%)
14	CLA	f	1215	2	65,73,73	1.46	10 (15%)	76,113,113	1.72	10 (13%)
14	CLA	A	1118	1	60,68,73	1.48	10 (16%)	70,107,113	1.55	8 (11%)
14	CLA	3	509	13	45,53,73	1.75	7 (15%)	52,89,113	1.77	7 (13%)
17	BCR	A	4002	-	41,41,41	0.88	1 (2%)	56,56,56	1.94	16 (28%)
17	BCR	q	521	-	41,41,41	0.67	0	56,56,56	1.83	11 (19%)
14	CLA	B	1021	2	65,73,73	1.47	9 (13%)	76,113,113	1.45	9 (11%)
14	CLA	H	1012	23	65,73,73	1.44	9 (13%)	76,113,113	1.58	9 (11%)
14	CLA	u	516	13	45,53,73	1.77	6 (13%)	52,89,113	1.58	6 (11%)
14	CLA	6	508	13	45,53,73	1.78	7 (15%)	52,89,113	1.78	11 (21%)
14	CLA	t	502	13	45,53,73	1.79	8 (17%)	52,89,113	1.67	7 (13%)
14	CLA	U	1401	-	55,63,73	1.58	7 (12%)	64,101,113	1.62	10 (15%)
14	CLA	6	506	13	45,53,73	1.76	7 (15%)	52,89,113	1.67	6 (11%)
14	CLA	A	1133	1	65,73,73	1.41	10 (15%)	76,113,113	1.48	6 (7%)
14	CLA	v	502	13	45,53,73	1.77	7 (15%)	52,89,113	1.66	8 (15%)
17	BCR	J	4015	-	41,41,41	0.80	0	56,56,56	1.73	12 (21%)
14	CLA	B	1216	23	60,68,73	1.60	10 (16%)	70,107,113	1.56	11 (15%)
14	CLA	s	509	13	45,53,73	1.74	7 (15%)	52,89,113	1.77	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	e	1135	1	55,63,73	1.50	10 (18%)	64,101,113	1.76	11 (17%)
14	CLA	Z	502	13	45,53,73	1.76	9 (20%)	52,89,113	1.71	9 (17%)
14	CLA	q	517	-	45,53,73	1.74	6 (13%)	52,89,113	1.60	7 (13%)
14	CLA	r	513	13	45,53,73	1.78	9 (20%)	52,89,113	1.55	6 (11%)
17	BCR	l	522	-	41,41,41	0.74	0	56,56,56	1.91	20 (35%)
14	CLA	Z	511	13	45,53,73	1.75	7 (15%)	52,89,113	1.70	7 (13%)
17	BCR	H	4017	-	41,41,41	0.97	4 (9%)	56,56,56	1.82	12 (21%)
14	CLA	r	504	-	45,53,73	1.77	7 (15%)	52,89,113	1.63	8 (15%)
17	BCR	n	4019	-	41,41,41	0.76	0	56,56,56	1.95	15 (26%)
14	CLA	A	1132	1	65,73,73	1.42	10 (15%)	76,113,113	1.55	11 (14%)
14	CLA	v	509	13	45,53,73	1.75	7 (15%)	52,89,113	1.68	7 (13%)
14	CLA	B	1223	2	65,73,73	1.42	8 (12%)	76,113,113	1.63	7 (9%)
14	CLA	Y	512	13	45,53,73	1.74	8 (17%)	52,89,113	1.49	5 (9%)
17	BCR	t	521	-	41,41,41	0.67	0	56,56,56	1.79	10 (17%)
17	BCR	W	4021	-	41,41,41	0.77	0	56,56,56	1.91	15 (26%)
14	CLA	G	1140	1	65,73,73	1.46	9 (13%)	76,113,113	1.56	10 (13%)
14	CLA	e	1116	1	60,68,73	1.52	8 (13%)	70,107,113	1.50	7 (10%)
14	CLA	q	519	13	45,53,73	1.79	9 (20%)	52,89,113	1.56	7 (13%)
14	CLA	Z	504	-	45,53,73	1.77	7 (15%)	52,89,113	1.64	8 (15%)
14	CLA	H	1220	2	55,63,73	1.58	10 (18%)	64,101,113	1.64	10 (15%)
14	CLA	e	1129	1	53,61,73	1.62	10 (18%)	61,98,113	1.59	9 (14%)
17	BCR	L	4020	-	41,41,41	0.98	2 (4%)	56,56,56	1.67	15 (26%)
14	CLA	5	513	13	45,53,73	1.79	8 (17%)	52,89,113	1.55	6 (11%)
14	CLA	T	1303	8	45,53,73	1.77	7 (15%)	52,89,113	1.73	9 (17%)
14	CLA	c	503	13	45,53,73	1.77	7 (15%)	52,89,113	1.68	10 (19%)
14	CLA	s	502	13	45,53,73	1.77	8 (17%)	52,89,113	1.72	9 (17%)
14	CLA	5	504	-	45,53,73	1.76	7 (15%)	52,89,113	1.68	7 (13%)
14	CLA	5	508	13	45,53,73	1.79	9 (20%)	52,89,113	1.84	7 (13%)
14	CLA	G	1122	1	60,68,73	1.51	11 (18%)	70,107,113	1.54	9 (12%)
14	CLA	f	1231	23	65,73,73	1.38	7 (10%)	76,113,113	1.52	9 (11%)
16	SF4	g	3002	3	0,12,12	-	-	-	-	-
14	CLA	t	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	H	1202	2	65,73,73	1.41	7 (10%)	76,113,113	1.58	8 (10%)
14	CLA	2	509	13	65,73,73	1.46	7 (10%)	76,113,113	1.52	7 (9%)
17	BCR	G	4007	-	41,41,41	0.87	0	56,56,56	2.11	20 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
21	SQD	H	1852	-	39,40,54	1.18	6 (15%)	48,51,65	1.84	12 (25%)
14	CLA	b	504	-	45,53,73	1.77	5 (11%)	52,89,113	1.64	7 (13%)
14	CLA	t	501	13	45,53,73	1.79	6 (13%)	52,89,113	1.63	7 (13%)
17	BCR	V	4020	-	41,41,41	0.99	2 (4%)	56,56,56	1.67	15 (26%)
14	CLA	B	1201	2	60,68,73	1.49	7 (11%)	70,107,113	1.66	9 (12%)
17	BCR	s	521	-	41,41,41	0.66	0	56,56,56	1.83	11 (19%)
17	BCR	M	4021	-	41,41,41	0.76	0	56,56,56	1.91	15 (26%)
17	BCR	G	4002	-	41,41,41	0.88	1 (2%)	56,56,56	1.94	16 (28%)
14	CLA	v	510	13	45,53,73	1.77	7 (15%)	52,89,113	1.63	6 (11%)
21	SQD	3	822	-	27,28,54	1.29	5 (18%)	36,39,65	1.80	11 (30%)
14	CLA	Z	510	13	45,53,73	1.72	7 (15%)	52,89,113	1.62	6 (11%)
14	CLA	6	505	13	65,73,73	1.45	7 (10%)	76,113,113	1.45	8 (10%)
17	BCR	q	523	-	41,41,41	0.75	0	56,56,56	1.68	13 (23%)
14	CLA	3	516	13	45,53,73	1.75	5 (11%)	52,89,113	1.87	11 (21%)
14	CLA	r	519	13	45,53,73	1.77	9 (20%)	52,89,113	1.59	8 (15%)
17	BCR	H	4010	-	41,41,41	0.91	1 (2%)	56,56,56	2.31	21 (37%)
14	CLA	e	1130	1	56,64,73	1.52	8 (14%)	65,102,113	1.73	9 (13%)
14	CLA	G	1133	1	65,73,73	1.42	10 (15%)	76,113,113	1.49	6 (7%)
14	CLA	B	1236	2	50,58,73	1.70	9 (18%)	58,95,113	1.54	10 (17%)
14	CLA	2	502	13	45,53,73	1.76	8 (17%)	52,89,113	1.70	9 (17%)
14	CLA	e	1127	1	65,73,73	1.42	9 (13%)	76,113,113	1.55	11 (14%)
14	CLA	l	501	13	45,53,73	1.75	6 (13%)	52,89,113	1.67	6 (11%)
14	CLA	s	506	13	45,53,73	1.79	7 (15%)	52,89,113	1.69	6 (11%)
16	SF4	N	3002	3	0,12,12	-	-	-	-	-
21	SQD	n	5216	-	45,46,54	1.02	5 (11%)	54,57,65	1.68	11 (20%)
14	CLA	A	1124	23	60,68,73	1.52	9 (15%)	70,107,113	1.58	9 (12%)
14	CLA	a	510	13	45,53,73	1.75	8 (17%)	52,89,113	1.65	7 (13%)
14	CLA	u	519	13	45,53,73	1.78	6 (13%)	52,89,113	1.60	7 (13%)
14	CLA	B	1234	2	65,73,73	1.44	8 (12%)	76,113,113	1.65	10 (13%)
14	CLA	R	1301	23	45,53,73	1.72	9 (20%)	52,89,113	1.59	6 (11%)
14	CLA	b	517	-	45,53,73	1.76	7 (15%)	52,89,113	1.67	8 (15%)
14	CLA	t	511	13	45,53,73	1.79	6 (13%)	52,89,113	1.67	9 (17%)
17	BCR	G	4001	-	41,41,41	0.79	0	56,56,56	1.68	11 (19%)
14	CLA	B	1227	2	60,68,73	1.54	10 (16%)	70,107,113	1.51	8 (11%)
17	BCR	e	4002	-	41,41,41	0.87	1 (2%)	56,56,56	1.94	16 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	t	523	-	41,41,41	0.73	0	56,56,56	1.77	14 (25%)
21	SQD	d	822	-	25,26,54	1.31	4 (16%)	34,37,65	2.00	10 (29%)
21	SQD	s	822	-	27,28,54	1.29	5 (18%)	36,39,65	1.80	10 (27%)
14	CLA	e	1022	23	65,73,73	1.54	11 (16%)	76,113,113	1.55	11 (14%)
14	CLA	d	513	13	45,53,73	1.77	7 (15%)	52,89,113	1.58	6 (11%)
17	BCR	2	521	-	41,41,41	0.70	0	56,56,56	1.90	13 (23%)
14	CLA	4	511	13	45,53,73	1.78	7 (15%)	52,89,113	1.67	9 (17%)
14	CLA	e	1123	23	65,73,73	1.42	8 (12%)	76,113,113	1.53	8 (10%)
14	CLA	r	512	13	45,53,73	1.75	8 (17%)	52,89,113	1.51	5 (9%)
14	CLA	Y	516	13	45,53,73	1.71	9 (20%)	52,89,113	1.64	9 (17%)
14	CLA	d	507	-	45,53,73	1.75	7 (15%)	52,89,113	1.69	9 (17%)
14	CLA	A	1107	1	65,73,73	1.52	10 (15%)	76,113,113	1.49	10 (13%)
14	CLA	G	1104	1	65,73,73	1.43	9 (13%)	76,113,113	1.60	13 (17%)
14	CLA	2	505	13	65,73,73	1.42	7 (10%)	76,113,113	1.47	8 (10%)
14	CLA	G	1138	1	65,73,73	1.45	9 (13%)	76,113,113	1.55	7 (9%)
14	CLA	5	506	13	45,53,73	1.73	7 (15%)	52,89,113	1.62	7 (13%)
14	CLA	e	1122	1	60,68,73	1.51	11 (18%)	70,107,113	1.54	9 (12%)
14	CLA	u	502	13	45,53,73	1.79	7 (15%)	52,89,113	1.68	7 (13%)
14	CLA	f	1222	23	50,58,73	1.61	9 (18%)	58,95,113	1.73	9 (15%)
14	CLA	A	1237	23	65,73,73	1.46	12 (18%)	76,113,113	1.57	9 (11%)
14	CLA	A	1106	1	65,73,73	1.41	8 (12%)	76,113,113	1.53	9 (11%)
14	CLA	G	1129	1	53,61,73	1.63	10 (18%)	61,98,113	1.60	9 (14%)
14	CLA	4	513	13	45,53,73	1.78	7 (15%)	52,89,113	1.64	6 (11%)
14	CLA	4	507	-	45,53,73	1.72	6 (13%)	52,89,113	1.72	8 (15%)
14	CLA	4	504	-	45,53,73	1.78	6 (13%)	52,89,113	1.65	7 (13%)
14	CLA	b	506	13	45,53,73	1.78	7 (15%)	52,89,113	1.66	6 (11%)
14	CLA	n	1503	23	60,68,73	1.48	8 (13%)	70,107,113	1.57	7 (10%)
14	CLA	f	1213	2	61,69,73	1.47	7 (11%)	71,108,113	1.60	8 (11%)
14	CLA	c	516	13	45,53,73	1.77	6 (13%)	52,89,113	1.58	6 (11%)
14	CLA	q	518	13	45,53,73	1.75	6 (13%)	52,89,113	1.62	7 (13%)
14	CLA	U	1105	9	45,53,73	1.78	8 (17%)	52,89,113	1.85	11 (21%)
16	SF4	C	3002	3	0,12,12	-	-	-	-	-
14	CLA	6	504	-	45,53,73	1.74	7 (15%)	52,89,113	1.69	7 (13%)
18	LHG	A	5008	-	34,34,48	0.70	1 (2%)	37,40,54	1.25	4 (10%)
14	CLA	n	1502	10	65,73,73	1.45	9 (13%)	76,113,113	1.54	8 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	b	513	13	45,53,73	1.78	6 (13%)	52,89,113	1.63	6 (11%)
14	CLA	f	1220	2	55,63,73	1.58	10 (18%)	64,101,113	1.63	10 (15%)
14	CLA	r	517	-	45,53,73	1.76	7 (15%)	52,89,113	1.65	7 (13%)
14	CLA	2	516	13	45,53,73	1.77	7 (15%)	52,89,113	1.66	8 (15%)
17	BCR	e	4007	-	41,41,41	0.87	0	56,56,56	2.10	19 (33%)
14	CLA	G	1137	1	60,68,73	1.52	9 (15%)	70,107,113	1.57	10 (14%)
14	CLA	q	513	13	45,53,73	1.77	7 (15%)	52,89,113	1.63	7 (13%)
14	CLA	A	1101	1	65,73,73	1.50	9 (13%)	76,113,113	1.61	13 (17%)
14	CLA	J	1303	8	45,53,73	1.77	7 (15%)	52,89,113	1.73	9 (17%)
14	CLA	f	1208	2	65,73,73	1.45	7 (10%)	76,113,113	1.39	7 (9%)
14	CLA	Y	517	-	45,53,73	1.75	7 (15%)	52,89,113	1.61	7 (13%)
14	CLA	l	516	13	45,53,73	1.71	9 (20%)	52,89,113	1.63	8 (15%)
14	CLA	q	504	-	45,53,73	1.79	8 (17%)	52,89,113	1.79	11 (21%)
17	BCR	G	4008	-	41,41,41	0.95	2 (4%)	56,56,56	2.17	16 (28%)
17	BCR	b	524	-	41,41,41	0.69	0	56,56,56	1.85	14 (25%)
14	CLA	v	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.71	7 (13%)
14	CLA	c	504	-	45,53,73	1.76	7 (15%)	52,89,113	1.68	7 (13%)
14	CLA	A	1136	1	65,73,73	1.47	10 (15%)	76,113,113	1.54	10 (13%)
21	SQD	b	822	-	25,26,54	1.32	4 (16%)	34,37,65	1.97	9 (26%)
17	BCR	e	4003	-	41,41,41	0.87	1 (2%)	56,56,56	1.78	14 (25%)
14	CLA	d	518	13	45,53,73	1.74	6 (13%)	52,89,113	1.63	6 (11%)
14	CLA	c	508	13	45,53,73	1.79	9 (20%)	52,89,113	1.84	7 (13%)
14	CLA	B	1230	2	60,68,73	1.53	10 (16%)	70,107,113	1.47	7 (10%)
17	BCR	S	4018	-	41,41,41	0.93	2 (4%)	56,56,56	1.93	16 (28%)
14	CLA	T	1302	8	55,63,73	1.55	9 (16%)	64,101,113	1.56	9 (14%)
18	LHG	G	5001	-	48,48,48	0.80	1 (2%)	51,54,54	1.30	7 (13%)
18	LHG	A	5009	-	41,41,48	0.67	0	44,47,54	1.22	5 (11%)
14	CLA	t	509	13	45,53,73	1.77	7 (15%)	52,89,113	1.75	9 (17%)
14	CLA	H	1219	2	63,71,73	1.52	9 (14%)	73,110,113	1.43	10 (13%)
18	LHG	G	5003	14	39,39,48	0.86	1 (2%)	42,45,54	1.38	6 (14%)
14	CLA	u	501	13	45,53,73	1.76	7 (15%)	52,89,113	1.71	8 (15%)
14	CLA	6	510	13	45,53,73	1.77	7 (15%)	52,89,113	1.63	6 (11%)
14	CLA	r	518	13	55,63,73	1.55	7 (12%)	64,101,113	1.53	8 (12%)
14	CLA	e	1126	1	65,73,73	1.39	8 (12%)	76,113,113	1.57	8 (10%)
17	BCR	5	521	-	41,41,41	0.71	0	56,56,56	1.97	18 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	f	1227	2	60,68,73	1.54	10 (16%)	70,107,113	1.51	8 (11%)
14	CLA	e	1133	1	65,73,73	1.41	10 (15%)	76,113,113	1.48	6 (7%)
17	BCR	H	4004	-	41,41,41	0.73	0	56,56,56	1.85	14 (25%)
14	CLA	A	1129	1	53,61,73	1.62	10 (18%)	61,98,113	1.60	9 (14%)
14	CLA	B	1215	2	65,73,73	1.46	10 (15%)	76,113,113	1.71	10 (13%)
14	CLA	A	1108	1	54,62,73	1.58	9 (16%)	62,99,113	1.58	8 (12%)
14	CLA	Z	509	13	65,73,73	1.46	7 (10%)	76,113,113	1.52	7 (9%)
17	BCR	T	4012	-	41,41,41	0.72	0	56,56,56	1.76	13 (23%)
14	CLA	Y	513	13	45,53,73	1.77	7 (15%)	52,89,113	1.63	7 (13%)
17	BCR	L	4022	-	41,41,41	0.79	0	56,56,56	1.82	10 (17%)
19	LMU	B	1843	-	36,36,36	1.16	2 (5%)	47,47,47	1.06	3 (6%)
14	CLA	A	1103	1	65,73,73	1.46	9 (13%)	76,113,113	1.73	11 (14%)
14	CLA	c	511	13	45,53,73	1.75	5 (11%)	52,89,113	1.71	8 (15%)
17	BCR	r	523	-	41,41,41	0.72	0	56,56,56	1.75	17 (30%)
14	CLA	u	509	13	65,73,73	1.43	7 (10%)	76,113,113	1.50	7 (9%)
14	CLA	u	505	13	45,53,73	1.73	7 (15%)	52,89,113	1.60	6 (11%)
17	BCR	G	4011	-	41,41,41	0.81	0	56,56,56	1.78	12 (21%)
17	BCR	3	521	-	41,41,41	0.67	0	56,56,56	1.83	11 (19%)
17	BCR	r	522	-	41,41,41	0.74	0	56,56,56	1.85	17 (30%)
14	CLA	H	1228	2	55,63,73	1.52	7 (12%)	64,101,113	1.71	8 (12%)
14	CLA	q	506	13	45,53,73	1.76	6 (13%)	52,89,113	1.64	6 (11%)
17	BCR	6	521	-	41,41,41	0.67	0	56,56,56	1.79	12 (21%)
14	CLA	A	1120	1	50,58,73	1.58	8 (16%)	58,95,113	1.73	10 (17%)
14	CLA	2	518	13	55,63,73	1.55	6 (10%)	64,101,113	1.53	7 (10%)
14	CLA	5	510	13	45,53,73	1.73	7 (15%)	52,89,113	1.62	7 (13%)
14	CLA	d	519	13	45,53,73	1.77	9 (20%)	52,89,113	1.57	7 (13%)
17	BCR	B	4017	-	41,41,41	0.97	3 (7%)	56,56,56	1.82	12 (21%)
14	CLA	G	1101	1	65,73,73	1.50	9 (13%)	76,113,113	1.62	13 (17%)
17	BCR	T	4013	-	41,41,41	0.78	0	56,56,56	1.93	16 (28%)
14	CLA	H	1208	2	65,73,73	1.44	8 (12%)	76,113,113	1.39	7 (9%)
14	CLA	2	501	13	60,68,73	1.51	7 (11%)	70,107,113	1.57	8 (11%)
21	SQD	6	822	-	25,26,54	1.31	4 (16%)	34,37,65	2.00	10 (29%)
14	CLA	b	510	13	45,53,73	1.72	6 (13%)	52,89,113	1.65	6 (11%)
17	BCR	6	523	-	41,41,41	0.72	0	56,56,56	1.72	14 (25%)
17	BCR	r	521	-	41,41,41	0.70	0	56,56,56	1.90	13 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	6	517	-	45,53,73	1.73	7 (15%)	52,89,113	1.61	7 (13%)
17	BCR	f	4006	-	41,41,41	0.77	0	56,56,56	2.09	18 (32%)
18	LHG	n	5220	-	40,40,48	0.70	1 (2%)	43,46,54	1.30	5 (11%)
14	CLA	G	1108	1	54,62,73	1.57	8 (14%)	62,99,113	1.57	8 (12%)
17	BCR	q	524	-	41,41,41	0.74	0	56,56,56	1.85	17 (30%)
15	PQN	f	2002	-	34,34,34	2.84	11 (32%)	42,45,45	2.30	6 (14%)
17	BCR	d	521	-	41,41,41	0.67	0	56,56,56	1.79	12 (21%)
14	CLA	H	1023	-	65,73,73	1.41	8 (12%)	76,113,113	1.90	11 (14%)
14	CLA	t	506	13	45,53,73	1.77	7 (15%)	52,89,113	1.65	6 (11%)
14	CLA	G	1119	23	65,73,73	1.49	11 (16%)	76,113,113	1.67	13 (17%)
17	BCR	t	524	-	41,41,41	0.70	0	56,56,56	1.85	14 (25%)
14	CLA	f	1012	23	65,73,73	1.45	9 (13%)	76,113,113	1.58	9 (11%)
14	CLA	Y	502	13	45,53,73	1.75	8 (17%)	52,89,113	1.65	8 (15%)
17	BCR	V	4019	-	41,41,41	0.76	0	56,56,56	1.95	15 (26%)
18	LHG	A	5007	-	46,46,48	0.60	0	49,52,54	1.20	4 (8%)
14	CLA	H	1203	2	65,73,73	1.44	9 (13%)	76,113,113	1.53	9 (11%)
14	CLA	3	519	13	45,53,73	1.76	8 (17%)	52,89,113	1.61	7 (13%)
14	CLA	G	1124	23	60,68,73	1.52	9 (15%)	70,107,113	1.59	9 (12%)
17	BCR	V	4022	-	41,41,41	0.78	0	56,56,56	1.81	10 (17%)
14	CLA	B	1226	2	55,63,73	1.71	10 (18%)	64,101,113	1.98	15 (23%)
14	CLA	f	1203	2	65,73,73	1.44	9 (13%)	76,113,113	1.53	9 (11%)
14	CLA	4	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	m	1401	-	55,63,73	1.59	7 (12%)	64,101,113	1.63	10 (15%)
14	CLA	B	1208	2	65,73,73	1.44	7 (10%)	76,113,113	1.38	7 (9%)
17	BCR	B	4009	-	41,41,41	0.77	0	56,56,56	1.90	18 (32%)
14	CLA	Z	505	13	65,73,73	1.42	6 (9%)	76,113,113	1.47	8 (10%)
14	CLA	1	502	13	45,53,73	1.75	8 (17%)	52,89,113	1.66	8 (15%)
14	CLA	G	1112	1	50,58,73	1.62	10 (20%)	58,95,113	1.67	8 (13%)
14	CLA	v	516	13	45,53,73	1.77	6 (13%)	52,89,113	1.60	8 (15%)
14	CLA	H	1209	2	53,61,73	1.62	8 (15%)	61,98,113	1.67	8 (13%)
17	BCR	A	4011	-	41,41,41	0.82	0	56,56,56	1.79	12 (21%)
18	LHG	A	5002	-	42,42,48	0.76	1 (2%)	45,48,54	1.22	4 (8%)
14	CLA	b	519	13	45,53,73	1.77	7 (15%)	52,89,113	1.64	7 (13%)
14	CLA	u	512	13	45,53,73	1.74	7 (15%)	52,89,113	1.57	6 (11%)
17	BCR	b	521	-	41,41,41	0.68	0	56,56,56	1.78	11 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	t	508	13	45,53,73	1.81	10 (22%)	52,89,113	1.79	9 (17%)
17	BCR	5	523	-	41,41,41	0.78	1 (2%)	56,56,56	1.78	15 (26%)
14	CLA	G	1237	23	65,73,73	1.47	12 (18%)	76,113,113	1.57	9 (11%)
14	CLA	G	1106	1	65,73,73	1.41	8 (12%)	76,113,113	1.53	9 (11%)
14	CLA	c	512	13	45,53,73	1.74	7 (15%)	52,89,113	1.56	6 (11%)
21	SQD	V	5216	-	45,46,54	1.01	5 (11%)	54,57,65	1.69	11 (20%)
14	CLA	d	508	13	45,53,73	1.77	7 (15%)	52,89,113	1.78	11 (21%)
14	CLA	2	512	13	45,53,73	1.76	8 (17%)	52,89,113	1.50	5 (9%)
14	CLA	a	516	13	45,53,73	1.74	5 (11%)	52,89,113	1.87	11 (21%)
14	CLA	6	518	13	45,53,73	1.74	6 (13%)	52,89,113	1.63	6 (11%)
14	CLA	q	511	13	45,53,73	1.76	7 (15%)	52,89,113	1.67	8 (15%)
17	BCR	b	523	-	41,41,41	0.73	0	56,56,56	1.77	14 (25%)
14	CLA	f	1224	2	60,68,73	1.49	7 (11%)	70,107,113	1.54	9 (12%)
14	CLA	l	505	13	45,53,73	1.73	7 (15%)	52,89,113	1.65	6 (11%)
14	CLA	Z	501	13	60,68,73	1.50	8 (13%)	70,107,113	1.57	7 (10%)
17	BCR	A	4008	-	41,41,41	0.95	2 (4%)	56,56,56	2.17	16 (28%)
14	CLA	t	507	-	45,53,73	1.73	6 (13%)	52,89,113	1.73	8 (15%)
20	LMG	l	5104	-	32,32,55	0.96	2 (6%)	40,40,63	1.26	4 (10%)
14	CLA	e	1110	1	53,61,73	1.60	8 (15%)	61,98,113	1.57	8 (13%)
14	CLA	e	1112	1	50,58,73	1.62	10 (20%)	58,95,113	1.67	8 (13%)
18	LHG	G	5007	-	46,46,48	0.60	0	49,52,54	1.20	4 (8%)
14	CLA	A	1011	1	65,73,73	1.46	10 (15%)	76,113,113	1.73	14 (18%)
17	BCR	4	523	-	41,41,41	0.74	0	56,56,56	1.77	14 (25%)
14	CLA	d	503	13	45,53,73	1.76	7 (15%)	52,89,113	1.68	6 (11%)
14	CLA	B	1231	23	65,73,73	1.38	7 (10%)	76,113,113	1.52	9 (11%)
14	CLA	4	517	-	45,53,73	1.76	7 (15%)	52,89,113	1.67	8 (15%)
14	CLA	f	1226	2	55,63,73	1.70	10 (18%)	64,101,113	1.98	15 (23%)
17	BCR	3	523	-	41,41,41	0.69	0	56,56,56	1.82	15 (26%)
14	CLA	a	503	13	45,53,73	1.76	6 (13%)	52,89,113	1.64	8 (15%)
14	CLA	B	1222	23	50,58,73	1.61	9 (18%)	58,95,113	1.72	9 (15%)
14	CLA	2	519	13	45,53,73	1.77	9 (20%)	52,89,113	1.60	8 (15%)
14	CLA	A	1130	1	56,64,73	1.52	8 (14%)	65,102,113	1.73	9 (13%)
14	CLA	A	1138	1	65,73,73	1.44	9 (13%)	76,113,113	1.55	7 (9%)
14	CLA	A	1125	1	65,73,73	1.42	10 (15%)	76,113,113	1.58	9 (11%)
18	LHG	n	5218	-	36,36,48	0.76	2 (5%)	39,42,54	1.20	4 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	H	1232	23	55,63,73	1.54	8 (14%)	64,101,113	1.70	7 (10%)
19	LMU	H	1843	-	36,36,36	1.17	2 (5%)	47,47,47	1.06	3 (6%)
14	CLA	6	519	13	45,53,73	1.78	9 (20%)	52,89,113	1.58	7 (13%)
14	CLA	q	507	-	45,53,73	1.74	7 (15%)	52,89,113	1.70	9 (17%)
14	CLA	H	1223	2	65,73,73	1.42	8 (12%)	76,113,113	1.63	7 (9%)
14	CLA	r	511	13	45,53,73	1.75	7 (15%)	52,89,113	1.71	8 (15%)
18	LHG	G	5009	-	41,41,48	0.67	0	44,47,54	1.22	4 (9%)
14	CLA	c	502	13	45,53,73	1.78	7 (15%)	52,89,113	1.69	7 (13%)
14	CLA	B	1220	2	55,63,73	1.58	10 (18%)	64,101,113	1.64	10 (15%)
17	BCR	e	4001	-	41,41,41	0.79	0	56,56,56	1.69	11 (19%)
14	CLA	r	506	13	45,53,73	1.75	7 (15%)	52,89,113	1.63	7 (13%)
17	BCR	F	4016	-	41,41,41	0.82	0	56,56,56	1.91	11 (19%)
14	CLA	e	1119	23	65,73,73	1.50	11 (16%)	76,113,113	1.67	13 (17%)
14	CLA	f	1023	-	65,73,73	1.41	8 (12%)	76,113,113	1.89	11 (14%)
14	CLA	Z	518	13	55,63,73	1.55	7 (12%)	64,101,113	1.53	7 (10%)
21	SQD	t	822	-	25,26,54	1.32	4 (16%)	34,37,65	1.97	9 (26%)
14	CLA	d	506	13	45,53,73	1.76	7 (15%)	52,89,113	1.67	6 (11%)
14	CLA	H	1215	2	65,73,73	1.46	10 (15%)	76,113,113	1.71	10 (13%)
14	CLA	e	1237	23	65,73,73	1.46	12 (18%)	76,113,113	1.57	9 (11%)
14	CLA	u	506	13	45,53,73	1.73	7 (15%)	52,89,113	1.63	7 (13%)
14	CLA	G	1103	1	65,73,73	1.46	9 (13%)	76,113,113	1.73	11 (14%)
14	CLA	Y	505	13	45,53,73	1.74	7 (15%)	52,89,113	1.66	6 (11%)
14	CLA	b	503	13	45,53,73	1.78	7 (15%)	52,89,113	1.70	8 (15%)
17	BCR	u	524	-	41,41,41	0.71	0	56,56,56	1.74	11 (19%)
19	LMU	e	1848	-	36,36,36	1.15	2 (5%)	47,47,47	1.02	2 (4%)
17	BCR	r	524	-	41,41,41	0.74	0	56,56,56	1.76	13 (23%)
14	CLA	b	509	13	45,53,73	1.77	7 (15%)	52,89,113	1.75	8 (15%)
14	CLA	B	1203	2	65,73,73	1.44	9 (13%)	76,113,113	1.53	9 (11%)
21	SQD	2	822	-	27,28,54	1.22	4 (14%)	36,39,65	1.86	10 (27%)
14	CLA	r	507	-	45,53,73	1.72	8 (17%)	52,89,113	1.71	10 (19%)
17	BCR	t	522	-	41,41,41	0.74	0	56,56,56	1.91	19 (33%)
17	BCR	2	523	-	41,41,41	0.72	0	56,56,56	1.75	17 (30%)
14	CLA	4	519	13	45,53,73	1.76	7 (15%)	52,89,113	1.64	7 (13%)
14	CLA	c	505	13	45,53,73	1.74	7 (15%)	52,89,113	1.62	6 (11%)
14	CLA	A	1121	1	55,63,73	1.57	10 (18%)	64,101,113	1.66	12 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	Y	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.67	6 (11%)
14	CLA	c	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.70	8 (15%)
14	CLA	c	510	13	45,53,73	1.74	7 (15%)	52,89,113	1.62	7 (13%)
17	BCR	f	4009	-	41,41,41	0.78	0	56,56,56	1.89	18 (32%)
18	LHG	e	5008	-	34,34,48	0.71	1 (2%)	37,40,54	1.25	4 (10%)
17	BCR	c	523	-	41,41,41	0.78	1 (2%)	56,56,56	1.78	15 (26%)
17	BCR	6	524	-	41,41,41	0.78	0	56,56,56	1.85	15 (26%)
17	BCR	A	4003	-	41,41,41	0.88	1 (2%)	56,56,56	1.78	14 (25%)
17	BCR	v	521	-	41,41,41	0.68	0	56,56,56	1.79	12 (21%)
14	CLA	a	502	13	45,53,73	1.77	8 (17%)	52,89,113	1.72	9 (17%)
20	LMG	T	5104	-	32,32,55	0.96	2 (6%)	40,40,63	1.26	4 (10%)
14	CLA	B	1218	2	60,68,73	1.51	8 (13%)	70,107,113	1.43	7 (10%)
18	LHG	G	5002	-	42,42,48	0.76	1 (2%)	45,48,54	1.23	4 (8%)
14	CLA	v	512	13	45,53,73	1.76	7 (15%)	52,89,113	1.58	6 (11%)
14	CLA	6	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.71	7 (13%)
15	PQN	A	2001	-	34,34,34	2.81	11 (32%)	42,45,45	2.19	6 (14%)
14	CLA	Z	512	13	45,53,73	1.76	8 (17%)	52,89,113	1.49	5 (9%)
14	CLA	G	1135	1	55,63,73	1.49	10 (18%)	64,101,113	1.76	11 (17%)
14	CLA	j	1302	6	45,53,73	1.76	9 (20%)	52,89,113	1.57	8 (15%)
17	BCR	j	4016	-	41,41,41	0.82	0	56,56,56	1.91	11 (19%)
14	CLA	H	1231	23	65,73,73	1.39	7 (10%)	76,113,113	1.52	9 (11%)
14	CLA	d	504	-	45,53,73	1.74	7 (15%)	52,89,113	1.69	7 (13%)
17	BCR	v	523	-	41,41,41	0.72	0	56,56,56	1.72	15 (26%)
14	CLA	B	1229	2	65,73,73	1.42	7 (10%)	76,113,113	1.59	8 (10%)
14	CLA	H	1222	23	50,58,73	1.61	9 (18%)	58,95,113	1.73	9 (15%)
17	BCR	Z	523	-	41,41,41	0.72	0	56,56,56	1.76	17 (30%)
14	CLA	e	1105	1	55,63,73	1.50	9 (16%)	64,101,113	1.67	8 (12%)
16	SF4	C	3003	3	0,12,12	-	-	-	-	-
17	BCR	a	521	-	41,41,41	0.67	0	56,56,56	1.83	11 (19%)
14	CLA	e	1106	1	65,73,73	1.41	8 (12%)	76,113,113	1.53	9 (11%)
14	CLA	1	509	13	45,53,73	1.76	7 (15%)	52,89,113	1.65	9 (17%)
14	CLA	5	516	13	45,53,73	1.77	6 (13%)	52,89,113	1.58	6 (11%)
14	CLA	5	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.71	8 (15%)
14	CLA	f	1207	2	65,73,73	1.44	8 (12%)	76,113,113	1.38	6 (7%)
14	CLA	4	516	13	45,53,73	1.76	6 (13%)	52,89,113	1.62	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
15	PQN	B	2002	-	34,34,34	2.84	11 (32%)	42,45,45	2.31	6 (14%)
14	CLA	4	508	13	45,53,73	1.80	9 (20%)	52,89,113	1.80	9 (17%)
14	CLA	1	506	13	45,53,73	1.75	7 (15%)	52,89,113	1.64	6 (11%)
14	CLA	B	1012	23	65,73,73	1.44	9 (13%)	76,113,113	1.58	9 (11%)
14	CLA	a	517	-	45,53,73	1.79	8 (17%)	52,89,113	1.58	6 (11%)
14	CLA	G	1123	23	65,73,73	1.42	8 (12%)	76,113,113	1.52	8 (10%)
14	CLA	m	1105	9	45,53,73	1.79	8 (17%)	52,89,113	1.84	11 (21%)
14	CLA	6	511	13	45,53,73	1.78	5 (11%)	52,89,113	1.69	7 (13%)
14	CLA	3	504	-	45,53,73	1.75	7 (15%)	52,89,113	1.73	9 (17%)
14	CLA	b	516	13	45,53,73	1.76	6 (13%)	52,89,113	1.62	7 (13%)
14	CLA	s	519	13	45,53,73	1.76	8 (17%)	52,89,113	1.61	7 (13%)
17	BCR	2	522	-	41,41,41	0.74	0	56,56,56	1.85	17 (30%)
14	CLA	c	509	13	65,73,73	1.44	7 (10%)	76,113,113	1.49	7 (9%)
14	CLA	q	505	13	45,53,73	1.74	7 (15%)	52,89,113	1.64	6 (11%)
21	SQD	u	822	-	25,26,54	1.29	4 (16%)	34,37,65	1.95	11 (32%)
17	BCR	n	4219	-	41,41,41	1.09	5 (12%)	56,56,56	2.26	23 (41%)
14	CLA	A	1127	1	65,73,73	1.42	9 (13%)	76,113,113	1.55	11 (14%)
18	LHG	H	1855	-	40,40,48	0.69	1 (2%)	43,46,54	1.24	5 (11%)
14	CLA	G	1011	1	65,73,73	1.46	10 (15%)	76,113,113	1.73	14 (18%)
14	CLA	f	1218	2	60,68,73	1.51	8 (13%)	70,107,113	1.43	7 (10%)
14	CLA	e	1137	1	60,68,73	1.52	9 (15%)	70,107,113	1.56	10 (14%)
17	BCR	B	4014	-	41,41,41	0.83	1 (2%)	56,56,56	1.89	23 (41%)
14	CLA	B	1219	2	63,71,73	1.52	8 (12%)	73,110,113	1.44	10 (13%)
14	CLA	l	1303	8	45,53,73	1.77	8 (17%)	52,89,113	1.74	9 (17%)
14	CLA	v	518	13	45,53,73	1.74	6 (13%)	52,89,113	1.62	6 (11%)
17	BCR	G	4003	-	41,41,41	0.87	1 (2%)	56,56,56	1.78	14 (25%)
18	LHG	B	1842	14	36,36,48	0.81	1 (2%)	39,42,54	1.26	3 (7%)
14	CLA	5	512	13	45,53,73	1.74	7 (15%)	52,89,113	1.56	6 (11%)
18	LHG	e	5009	-	41,41,48	0.67	0	44,47,54	1.22	4 (9%)
14	CLA	3	507	-	45,53,73	1.74	6 (13%)	52,89,113	1.68	9 (17%)
14	CLA	G	1130	1	56,64,73	1.52	8 (14%)	65,102,113	1.74	9 (13%)
14	CLA	6	513	13	45,53,73	1.78	7 (15%)	52,89,113	1.59	6 (11%)
14	CLA	B	1209	2	53,61,73	1.62	8 (15%)	61,98,113	1.68	8 (13%)
17	BCR	u	522	-	41,41,41	0.75	0	56,56,56	1.94	21 (37%)
14	CLA	J	1302	8	55,63,73	1.56	9 (16%)	64,101,113	1.56	9 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	B	1217	2	60,68,73	1.53	6 (10%)	70,107,113	1.42	7 (10%)
14	CLA	3	517	-	45,53,73	1.79	8 (17%)	52,89,113	1.58	6 (11%)
14	CLA	6	507	-	45,53,73	1.76	7 (15%)	52,89,113	1.69	9 (17%)
14	CLA	B	1224	2	60,68,73	1.50	7 (11%)	70,107,113	1.54	9 (12%)
14	CLA	A	1119	23	65,73,73	1.50	11 (16%)	76,113,113	1.67	13 (17%)
18	LHG	A	5005	-	42,42,48	0.65	1 (2%)	45,48,54	1.21	4 (8%)
14	CLA	H	1216	23	60,68,73	1.60	10 (16%)	70,107,113	1.57	11 (15%)
15	PQN	G	2001	-	34,34,34	2.82	11 (32%)	42,45,45	2.20	6 (14%)
17	BCR	Y	524	-	41,41,41	0.74	0	56,56,56	1.85	17 (30%)
14	CLA	G	1126	1	65,73,73	1.39	8 (12%)	76,113,113	1.57	8 (10%)
14	CLA	b	508	13	45,53,73	1.81	10 (22%)	52,89,113	1.80	9 (17%)
21	SQD	Y	822	-	31,32,54	1.20	5 (16%)	40,43,65	2.05	13 (32%)
14	CLA	H	1021	2	65,73,73	1.46	9 (13%)	76,113,113	1.45	9 (11%)
14	CLA	B	1232	23	55,63,73	1.54	8 (14%)	64,101,113	1.70	7 (10%)
14	CLA	K	1103	9	48,56,73	1.66	8 (16%)	55,92,113	1.62	8 (14%)
20	LMG	H	5002	-	53,53,55	0.86	3 (5%)	61,61,63	1.51	12 (19%)
21	SQD	a	822	-	27,28,54	1.30	5 (18%)	36,39,65	1.79	10 (27%)
14	CLA	4	512	13	45,53,73	1.74	6 (13%)	52,89,113	1.59	6 (11%)
14	CLA	A	1113	1	45,53,73	1.67	7 (15%)	52,89,113	1.81	7 (13%)
14	CLA	s	507	-	45,53,73	1.75	6 (13%)	52,89,113	1.68	9 (17%)
17	BCR	u	521	-	41,41,41	0.71	0	56,56,56	1.97	18 (32%)
17	BCR	l	524	-	41,41,41	0.74	0	56,56,56	1.85	17 (30%)
14	CLA	4	506	13	45,53,73	1.77	6 (13%)	52,89,113	1.66	6 (11%)
18	LHG	L	5218	-	36,36,48	0.76	2 (5%)	39,42,54	1.20	4 (10%)
14	CLA	v	505	13	65,73,73	1.45	7 (10%)	76,113,113	1.45	8 (10%)
17	BCR	d	523	-	41,41,41	0.72	0	56,56,56	1.72	14 (25%)
14	CLA	A	1112	1	50,58,73	1.62	10 (20%)	58,95,113	1.68	8 (13%)
14	CLA	3	506	13	45,53,73	1.79	7 (15%)	52,89,113	1.70	6 (11%)
18	LHG	A	5001	-	48,48,48	0.80	1 (2%)	51,54,54	1.30	7 (13%)
14	CLA	d	517	-	45,53,73	1.72	6 (13%)	52,89,113	1.61	7 (13%)
14	CLA	G	1113	1	45,53,73	1.67	7 (15%)	52,89,113	1.80	7 (13%)
14	CLA	H	1238	23	65,73,73	1.40	7 (10%)	76,113,113	1.64	11 (14%)
17	BCR	u	523	-	41,41,41	0.78	0	56,56,56	1.79	15 (26%)
17	BCR	H	4005	-	41,41,41	0.76	0	56,56,56	1.73	12 (21%)
17	BCR	f	4014	-	41,41,41	0.83	1 (2%)	56,56,56	1.90	23 (41%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	T	4015	-	41,41,41	0.80	0	56,56,56	1.73	12 (21%)
14	CLA	G	1111	1	65,73,73	1.43	10 (15%)	76,113,113	1.53	7 (9%)
14	CLA	n	1501	10	60,68,73	1.56	10 (16%)	70,107,113	1.50	9 (12%)
14	CLA	s	518	13	55,63,73	1.59	7 (12%)	64,101,113	1.47	7 (10%)
14	CLA	R	1302	6	45,53,73	1.77	9 (20%)	52,89,113	1.59	8 (15%)
18	LHG	S	5001	-	47,47,48	0.62	0	50,53,54	1.24	5 (10%)
14	CLA	A	1110	1	53,61,73	1.59	8 (15%)	61,98,113	1.57	8 (13%)
17	BCR	c	524	-	41,41,41	0.72	0	56,56,56	1.74	12 (21%)
14	CLA	e	1109	1	65,73,73	1.40	9 (13%)	76,113,113	1.60	8 (10%)
14	CLA	q	509	13	45,53,73	1.76	7 (15%)	52,89,113	1.66	9 (17%)
17	BCR	3	524	-	41,41,41	0.78	0	56,56,56	1.93	18 (32%)
14	CLA	f	1217	2	60,68,73	1.52	6 (10%)	70,107,113	1.41	7 (10%)
14	CLA	B	1023	-	65,73,73	1.41	8 (12%)	76,113,113	1.89	11 (14%)
14	CLA	c	517	-	45,53,73	1.79	8 (17%)	52,89,113	1.56	6 (11%)
14	CLA	r	510	13	45,53,73	1.71	7 (15%)	52,89,113	1.62	7 (13%)
14	CLA	f	1212	2	51,59,73	1.60	7 (13%)	59,96,113	1.67	6 (10%)
18	LHG	e	5004	-	34,34,48	0.67	0	37,40,54	1.28	4 (10%)
14	CLA	5	502	13	45,53,73	1.78	7 (15%)	52,89,113	1.70	7 (13%)
14	CLA	t	503	13	45,53,73	1.80	7 (15%)	52,89,113	1.71	8 (15%)
14	CLA	Y	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.64	7 (13%)
14	CLA	1	507	-	45,53,73	1.74	7 (15%)	52,89,113	1.70	9 (17%)
17	BCR	L	4019	-	41,41,41	0.76	0	56,56,56	1.95	15 (26%)
14	CLA	K	1105	9	45,53,73	1.79	8 (17%)	52,89,113	1.85	11 (21%)
14	CLA	e	1011	1	65,73,73	1.45	10 (15%)	76,113,113	1.73	14 (18%)
14	CLA	G	1107	1	65,73,73	1.52	10 (15%)	76,113,113	1.50	10 (13%)
14	CLA	G	1102	1	55,63,73	1.57	9 (16%)	64,101,113	1.61	7 (10%)
14	CLA	H	1236	2	50,58,73	1.70	9 (18%)	58,95,113	1.54	10 (17%)
14	CLA	b	502	13	45,53,73	1.80	8 (17%)	52,89,113	1.67	8 (15%)
17	BCR	b	522	-	41,41,41	0.73	0	56,56,56	1.91	19 (33%)
22	FMN	p	170	-	33,33,33	1.12	2 (6%)	48,50,50	1.24	6 (12%)
17	BCR	o	4021	-	41,41,41	0.77	0	56,56,56	1.91	15 (26%)
14	CLA	1	504	-	45,53,73	1.79	8 (17%)	52,89,113	1.78	9 (17%)
14	CLA	K	1401	-	55,63,73	1.58	7 (12%)	64,101,113	1.63	10 (15%)
14	CLA	5	505	13	45,53,73	1.73	7 (15%)	52,89,113	1.61	6 (11%)
14	CLA	t	504	-	45,53,73	1.79	6 (13%)	52,89,113	1.64	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	2	506	13	45,53,73	1.77	8 (17%)	52,89,113	1.62	7 (13%)
19	LMU	G	1848	-	36,36,36	1.15	2 (5%)	47,47,47	1.02	2 (4%)
17	BCR	Z	522	-	41,41,41	0.75	0	56,56,56	1.86	17 (30%)
14	CLA	Y	509	13	45,53,73	1.76	7 (15%)	52,89,113	1.66	9 (17%)
17	BCR	s	522	-	41,41,41	0.70	0	56,56,56	2.04	18 (32%)
14	CLA	a	509	13	45,53,73	1.74	7 (15%)	52,89,113	1.78	7 (13%)
14	CLA	s	503	13	45,53,73	1.77	6 (13%)	52,89,113	1.64	8 (15%)
14	CLA	b	512	13	45,53,73	1.74	6 (13%)	52,89,113	1.60	6 (11%)
14	CLA	e	1111	1	65,73,73	1.42	9 (13%)	76,113,113	1.53	8 (10%)
18	LHG	V	5220	-	40,40,48	0.70	1 (2%)	43,46,54	1.30	5 (11%)
14	CLA	f	1214	2	65,73,73	1.49	9 (13%)	76,113,113	1.51	7 (9%)
14	CLA	U	1103	9	48,56,73	1.67	8 (16%)	55,92,113	1.62	8 (14%)
14	CLA	G	1121	1	55,63,73	1.57	10 (18%)	64,101,113	1.66	12 (18%)
14	CLA	G	1136	1	65,73,73	1.46	9 (13%)	76,113,113	1.54	10 (13%)
18	LHG	L	5220	-	40,40,48	0.70	1 (2%)	43,46,54	1.30	5 (11%)
20	LMG	f	5002	-	53,53,55	0.85	2 (3%)	61,61,63	1.51	12 (19%)
14	CLA	r	503	13	65,73,73	1.45	6 (9%)	76,113,113	1.47	8 (10%)
14	CLA	G	1139	23	65,73,73	1.47	10 (15%)	76,113,113	1.36	6 (7%)
14	CLA	G	1110	1	53,61,73	1.60	8 (15%)	61,98,113	1.58	8 (13%)
14	CLA	6	509	13	45,53,73	1.75	7 (15%)	52,89,113	1.68	7 (13%)
14	CLA	3	505	13	55,63,73	1.56	8 (14%)	64,101,113	1.49	7 (10%)
14	CLA	Y	519	13	45,53,73	1.80	8 (17%)	52,89,113	1.55	7 (13%)
14	CLA	4	510	13	45,53,73	1.73	6 (13%)	52,89,113	1.66	6 (11%)
14	CLA	d	502	13	45,53,73	1.77	7 (15%)	52,89,113	1.67	8 (15%)
17	BCR	Y	522	-	41,41,41	0.74	0	56,56,56	1.91	20 (35%)
14	CLA	1	508	13	45,53,73	1.77	10 (22%)	52,89,113	1.92	7 (13%)
14	CLA	A	1131	1	65,73,73	1.47	10 (15%)	76,113,113	1.42	9 (11%)
14	CLA	G	1109	1	65,73,73	1.40	9 (13%)	76,113,113	1.60	8 (10%)
14	CLA	H	1217	2	60,68,73	1.53	6 (10%)	70,107,113	1.42	7 (10%)
14	CLA	a	519	13	45,53,73	1.76	8 (17%)	52,89,113	1.61	7 (13%)
14	CLA	G	1127	1	65,73,73	1.42	9 (13%)	76,113,113	1.54	11 (14%)
14	CLA	f	1228	2	55,63,73	1.52	7 (12%)	64,101,113	1.70	8 (12%)
14	CLA	s	504	-	45,53,73	1.76	6 (13%)	52,89,113	1.74	9 (17%)
14	CLA	q	501	13	45,53,73	1.75	7 (15%)	52,89,113	1.66	6 (11%)
14	CLA	f	1225	2	65,73,73	1.45	10 (15%)	76,113,113	1.49	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	1	519	13	45,53,73	1.79	8 (17%)	52,89,113	1.56	6 (11%)
14	CLA	2	507	-	45,53,73	1.72	8 (17%)	52,89,113	1.71	10 (19%)
17	BCR	k	4018	-	41,41,41	0.93	2 (4%)	56,56,56	1.93	16 (28%)
14	CLA	4	502	13	45,53,73	1.79	8 (17%)	52,89,113	1.67	7 (13%)
17	BCR	n	4020	-	41,41,41	0.98	2 (4%)	56,56,56	1.67	14 (25%)
14	CLA	H	1205	2	65,73,73	1.46	10 (15%)	76,113,113	1.58	11 (14%)
14	CLA	e	1131	1	65,73,73	1.47	10 (15%)	76,113,113	1.42	9 (11%)
17	BCR	f	4010	-	41,41,41	0.91	1 (2%)	56,56,56	2.30	21 (37%)
14	CLA	B	1207	2	65,73,73	1.45	9 (13%)	76,113,113	1.38	6 (7%)
17	BCR	Y	521	-	41,41,41	0.67	0	56,56,56	1.83	11 (19%)
17	BCR	s	524	-	41,41,41	0.77	0	56,56,56	1.93	18 (32%)
15	PQN	e	2001	-	34,34,34	2.81	11 (32%)	42,45,45	2.19	6 (14%)
18	LHG	e	5006	-	39,39,48	0.67	1 (2%)	42,45,54	1.22	5 (11%)
14	CLA	e	1114	23	45,53,73	1.80	8 (17%)	52,89,113	1.68	9 (17%)
14	CLA	t	516	13	45,53,73	1.76	6 (13%)	52,89,113	1.62	7 (13%)
17	BCR	3	522	-	41,41,41	0.69	0	56,56,56	2.04	18 (32%)
17	BCR	6	522	-	41,41,41	0.72	0	56,56,56	1.89	19 (33%)
14	CLA	d	505	13	65,73,73	1.45	7 (10%)	76,113,113	1.46	8 (10%)
17	BCR	m	4104	-	41,41,41	0.79	0	56,56,56	1.88	16 (28%)
14	CLA	Z	506	13	45,53,73	1.77	8 (17%)	52,89,113	1.61	7 (13%)
14	CLA	5	511	13	45,53,73	1.76	5 (11%)	52,89,113	1.71	7 (13%)
17	BCR	B	4006	-	41,41,41	0.78	0	56,56,56	2.09	18 (32%)
14	CLA	a	505	13	55,63,73	1.56	8 (14%)	64,101,113	1.49	7 (10%)
14	CLA	d	510	13	45,53,73	1.76	7 (15%)	52,89,113	1.62	6 (11%)
14	CLA	s	508	13	45,53,73	1.79	9 (20%)	52,89,113	1.75	7 (13%)
17	BCR	l	521	-	41,41,41	0.67	0	56,56,56	1.83	11 (19%)
14	CLA	e	1136	1	65,73,73	1.46	9 (13%)	76,113,113	1.54	10 (13%)
14	CLA	f	1234	2	65,73,73	1.44	9 (13%)	76,113,113	1.65	10 (13%)
17	BCR	e	4011	-	41,41,41	0.83	0	56,56,56	1.78	12 (21%)
14	CLA	A	1105	1	55,63,73	1.50	9 (16%)	64,101,113	1.67	8 (12%)
19	LMU	T	5105	-	22,22,36	1.21	1 (4%)	27,27,47	1.43	5 (18%)
21	SQD	B	1852	-	39,40,54	1.18	6 (15%)	48,51,65	1.84	12 (25%)
14	CLA	v	506	13	45,53,73	1.76	7 (15%)	52,89,113	1.67	6 (11%)
18	LHG	B	1855	-	40,40,48	0.69	1 (2%)	43,46,54	1.24	5 (11%)
17	BCR	V	4219	-	41,41,41	1.08	5 (12%)	56,56,56	2.26	23 (41%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
18	LHG	f	1842	14	36,36,48	0.81	1 (2%)	39,42,54	1.25	3 (7%)
17	BCR	a	524	-	41,41,41	0.78	0	56,56,56	1.93	18 (32%)
14	CLA	F	1301	23	45,53,73	1.73	9 (20%)	52,89,113	1.60	6 (11%)
17	BCR	L	4219	-	41,41,41	1.09	5 (12%)	56,56,56	2.26	23 (41%)
14	CLA	Z	513	13	45,53,73	1.78	9 (20%)	52,89,113	1.55	6 (11%)
21	SQD	L	5216	-	45,46,54	1.01	5 (11%)	54,57,65	1.69	11 (20%)
14	CLA	H	1226	2	55,63,73	1.71	10 (18%)	64,101,113	1.99	16 (25%)
14	CLA	v	517	-	45,53,73	1.74	8 (17%)	52,89,113	1.61	7 (13%)
14	CLA	H	1206	2	65,73,73	1.49	11 (16%)	76,113,113	1.61	10 (13%)
14	CLA	H	1211	2	55,63,73	1.53	8 (14%)	64,101,113	1.69	8 (12%)
14	CLA	Y	508	13	45,53,73	1.77	9 (20%)	52,89,113	1.92	8 (15%)
14	CLA	Z	507	-	45,53,73	1.72	7 (15%)	52,89,113	1.71	10 (19%)
14	CLA	e	1801	18	45,53,73	1.65	7 (15%)	52,89,113	1.73	7 (13%)
14	CLA	s	510	13	45,53,73	1.75	8 (17%)	52,89,113	1.64	7 (13%)
14	CLA	f	1206	2	65,73,73	1.49	11 (16%)	76,113,113	1.61	10 (13%)
18	LHG	G	5005	-	42,42,48	0.65	1 (2%)	45,48,54	1.21	4 (8%)
17	BCR	c	521	-	41,41,41	0.71	0	56,56,56	1.97	18 (32%)
19	LMU	J	5105	-	22,22,36	1.21	1 (4%)	27,27,47	1.43	5 (18%)
14	CLA	a	508	13	45,53,73	1.78	9 (20%)	52,89,113	1.75	7 (13%)
14	CLA	f	1219	2	63,71,73	1.51	9 (14%)	73,110,113	1.44	10 (13%)
14	CLA	q	512	13	45,53,73	1.74	8 (17%)	52,89,113	1.48	5 (9%)
14	CLA	s	511	13	45,53,73	1.75	6 (13%)	52,89,113	1.71	9 (17%)
21	SQD	l	822	-	31,32,54	1.20	5 (16%)	40,43,65	2.05	13 (32%)
14	CLA	e	1139	23	65,73,73	1.47	10 (15%)	76,113,113	1.36	7 (9%)
14	CLA	2	508	13	45,53,73	1.77	9 (20%)	52,89,113	1.76	10 (19%)
14	CLA	A	1801	18	45,53,73	1.65	7 (15%)	52,89,113	1.73	7 (13%)
14	CLA	s	513	13	45,53,73	1.79	8 (17%)	52,89,113	1.59	6 (11%)
14	CLA	e	1108	1	54,62,73	1.57	7 (12%)	62,99,113	1.58	8 (12%)
18	LHG	A	5006	-	39,39,48	0.67	1 (2%)	42,45,54	1.22	5 (11%)
14	CLA	e	1132	1	65,73,73	1.42	10 (15%)	76,113,113	1.55	11 (14%)
14	CLA	b	501	13	45,53,73	1.79	6 (13%)	52,89,113	1.63	7 (13%)
14	CLA	v	513	13	45,53,73	1.78	7 (15%)	52,89,113	1.59	6 (11%)
14	CLA	l	517	-	45,53,73	1.75	7 (15%)	52,89,113	1.59	7 (13%)
22	FMN	P	170	-	33,33,33	1.13	2 (6%)	48,50,50	1.24	6 (12%)
14	CLA	Y	511	13	45,53,73	1.76	7 (15%)	52,89,113	1.68	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	v	504	-	45,53,73	1.75	7 (15%)	52,89,113	1.69	7 (13%)
14	CLA	f	1235	2	65,73,73	1.48	10 (15%)	76,113,113	1.52	8 (10%)
20	LMG	B	5002	-	53,53,55	0.85	3 (5%)	61,61,63	1.51	12 (19%)
14	CLA	a	511	13	45,53,73	1.75	6 (13%)	52,89,113	1.71	9 (17%)
14	CLA	e	1013	-	65,73,73	1.43	8 (12%)	76,113,113	1.88	13 (17%)
14	CLA	c	519	13	45,53,73	1.77	6 (13%)	52,89,113	1.62	7 (13%)
14	CLA	q	516	13	45,53,73	1.72	9 (20%)	52,89,113	1.64	9 (17%)
18	LHG	f	1855	-	40,40,48	0.69	1 (2%)	43,46,54	1.24	5 (11%)
14	CLA	5	509	13	65,73,73	1.44	7 (10%)	76,113,113	1.49	7 (9%)
14	CLA	t	513	13	45,53,73	1.77	6 (13%)	52,89,113	1.63	6 (11%)
17	BCR	c	522	-	41,41,41	0.76	0	56,56,56	1.94	20 (35%)
14	CLA	H	1239	2	65,73,73	1.48	8 (12%)	76,113,113	1.73	14 (18%)
17	BCR	B	4005	-	41,41,41	0.76	0	56,56,56	1.72	12 (21%)
14	CLA	H	1207	2	65,73,73	1.45	9 (13%)	76,113,113	1.39	6 (7%)
14	CLA	3	501	13	45,53,73	1.76	7 (15%)	52,89,113	1.66	9 (17%)
18	LHG	I	5001	-	47,47,48	0.62	0	50,53,54	1.24	5 (10%)
17	BCR	v	524	-	41,41,41	0.78	0	56,56,56	1.84	15 (26%)
14	CLA	a	513	13	45,53,73	1.79	8 (17%)	52,89,113	1.60	6 (11%)
14	CLA	r	505	13	65,73,73	1.42	7 (10%)	76,113,113	1.46	8 (10%)
14	CLA	f	1232	23	55,63,73	1.54	8 (14%)	64,101,113	1.70	7 (10%)
14	CLA	a	504	-	45,53,73	1.75	7 (15%)	52,89,113	1.72	9 (17%)
17	BCR	A	4001	-	41,41,41	0.79	0	56,56,56	1.69	11 (19%)
17	BCR	Y	523	-	41,41,41	0.74	0	56,56,56	1.69	14 (25%)
18	LHG	L	5221	-	48,48,48	0.62	0	51,54,54	1.28	7 (13%)
17	BCR	q	522	-	41,41,41	0.74	0	56,56,56	1.91	20 (35%)
14	CLA	H	1210	2	65,73,73	1.44	9 (13%)	76,113,113	1.48	9 (11%)
14	CLA	f	1202	2	65,73,73	1.42	7 (10%)	76,113,113	1.58	8 (10%)
14	CLA	V	1501	10	60,68,73	1.57	10 (16%)	70,107,113	1.51	9 (12%)
21	SQD	f	1852	-	39,40,54	1.18	6 (15%)	48,51,65	1.84	12 (25%)
14	CLA	A	1126	1	65,73,73	1.39	8 (12%)	76,113,113	1.57	8 (10%)
14	CLA	l	1302	8	55,63,73	1.55	9 (16%)	64,101,113	1.56	9 (14%)
14	CLA	2	504	-	45,53,73	1.77	7 (15%)	52,89,113	1.63	8 (15%)
17	BCR	B	4010	-	41,41,41	0.91	1 (2%)	56,56,56	2.30	21 (37%)
14	CLA	B	1221	23	62,70,73	1.50	8 (12%)	72,109,113	1.69	11 (15%)
14	CLA	A	1140	1	65,73,73	1.45	9 (13%)	76,113,113	1.57	10 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	G	1801	18	45,53,73	1.65	7 (15%)	52,89,113	1.74	6 (11%)
14	CLA	e	1128	1	65,73,73	1.58	11 (16%)	76,113,113	1.69	9 (11%)
14	CLA	t	510	13	45,53,73	1.73	6 (13%)	52,89,113	1.67	6 (11%)
14	CLA	e	1121	1	55,63,73	1.57	10 (18%)	64,101,113	1.65	12 (18%)
17	BCR	J	4012	-	41,41,41	0.72	0	56,56,56	1.75	12 (21%)
14	CLA	u	511	13	45,53,73	1.76	5 (11%)	52,89,113	1.72	8 (15%)
17	BCR	K	4104	-	41,41,41	0.78	0	56,56,56	1.88	16 (28%)
14	CLA	A	1123	23	65,73,73	1.42	8 (12%)	76,113,113	1.53	8 (10%)
14	CLA	f	1223	2	65,73,73	1.42	8 (12%)	76,113,113	1.64	7 (9%)
17	BCR	H	4009	-	41,41,41	0.78	0	56,56,56	1.90	20 (35%)
14	CLA	v	519	13	45,53,73	1.79	9 (20%)	52,89,113	1.58	7 (13%)
18	LHG	k	5001	-	47,47,48	0.62	0	50,53,54	1.24	5 (10%)
20	LMG	J	5104	-	32,32,55	0.96	2 (6%)	40,40,63	1.26	4 (10%)
14	CLA	4	501	13	45,53,73	1.78	5 (11%)	52,89,113	1.63	7 (13%)
14	CLA	G	1125	1	65,73,73	1.42	10 (15%)	76,113,113	1.58	9 (11%)
14	CLA	v	503	13	45,53,73	1.75	6 (13%)	52,89,113	1.69	6 (11%)
14	CLA	u	507	-	45,53,73	1.74	6 (13%)	52,89,113	1.71	9 (17%)
14	CLA	v	507	-	45,53,73	1.76	7 (15%)	52,89,113	1.69	9 (17%)
18	LHG	G	5006	-	39,39,48	0.67	1 (2%)	42,45,54	1.22	5 (11%)
14	CLA	G	1131	1	65,73,73	1.47	10 (15%)	76,113,113	1.42	9 (11%)
17	BCR	U	4104	-	41,41,41	0.78	0	56,56,56	1.88	16 (28%)
14	CLA	2	517	-	45,53,73	1.76	7 (15%)	52,89,113	1.65	7 (13%)
14	CLA	B	1206	2	65,73,73	1.49	11 (16%)	76,113,113	1.61	10 (13%)
14	CLA	d	512	13	45,53,73	1.76	7 (15%)	52,89,113	1.58	6 (11%)
17	BCR	5	524	-	41,41,41	0.71	0	56,56,56	1.74	12 (21%)
14	CLA	H	1214	2	65,73,73	1.49	9 (13%)	76,113,113	1.52	8 (10%)
18	LHG	V	5221	-	48,48,48	0.62	0	51,54,54	1.28	7 (13%)
19	LMU	f	1843	-	36,36,36	1.16	2 (5%)	47,47,47	1.06	3 (6%)
14	CLA	e	1140	1	65,73,73	1.45	9 (13%)	76,113,113	1.56	10 (13%)
14	CLA	3	508	13	45,53,73	1.79	9 (20%)	52,89,113	1.75	7 (13%)
14	CLA	4	509	13	45,53,73	1.77	7 (15%)	52,89,113	1.76	9 (17%)
14	CLA	H	1221	23	62,70,73	1.50	8 (12%)	72,109,113	1.70	11 (15%)
14	CLA	A	1116	1	60,68,73	1.51	8 (13%)	70,107,113	1.50	7 (10%)
14	CLA	r	509	13	65,73,73	1.45	7 (10%)	76,113,113	1.51	7 (9%)
16	SF4	e	3001	2,1	0,12,12	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	4	505	13	45,53,73	1.75	9 (20%)	52,89,113	1.54	6 (11%)
14	CLA	f	1221	23	62,70,73	1.50	8 (12%)	72,109,113	1.69	11 (15%)
14	CLA	e	1115	1	60,68,73	1.50	9 (15%)	70,107,113	1.58	7 (10%)
14	CLA	V	1503	23	60,68,73	1.47	8 (13%)	70,107,113	1.56	7 (10%)
14	CLA	H	1213	2	61,69,73	1.46	7 (11%)	71,108,113	1.60	9 (12%)
17	BCR	Z	521	-	41,41,41	0.70	0	56,56,56	1.90	13 (23%)
22	FMN	X	170	-	33,33,33	1.12	2 (6%)	48,50,50	1.24	6 (12%)
14	CLA	Y	504	-	45,53,73	1.79	9 (20%)	52,89,113	1.79	10 (19%)
14	CLA	A	1102	1	55,63,73	1.56	9 (16%)	64,101,113	1.62	7 (10%)
14	CLA	V	1502	10	65,73,73	1.45	9 (13%)	76,113,113	1.53	8 (10%)
14	CLA	A	1022	23	65,73,73	1.54	11 (16%)	76,113,113	1.55	11 (14%)
14	CLA	e	1107	1	65,73,73	1.53	10 (15%)	76,113,113	1.49	10 (13%)
14	CLA	B	1238	23	65,73,73	1.40	7 (10%)	76,113,113	1.63	10 (13%)
14	CLA	B	1228	2	55,63,73	1.52	7 (12%)	64,101,113	1.70	8 (12%)
14	CLA	G	1105	1	55,63,73	1.49	8 (14%)	64,101,113	1.67	8 (12%)
14	CLA	B	1225	2	65,73,73	1.44	10 (15%)	76,113,113	1.49	8 (10%)
14	CLA	Z	508	13	45,53,73	1.77	9 (20%)	52,89,113	1.77	10 (19%)
17	BCR	4	524	-	41,41,41	0.70	0	56,56,56	1.85	14 (25%)
19	LMU	A	1848	-	36,36,36	1.15	2 (5%)	47,47,47	1.02	2 (4%)
14	CLA	2	513	13	45,53,73	1.78	9 (20%)	52,89,113	1.55	6 (11%)
14	CLA	f	1239	2	65,73,73	1.48	8 (12%)	76,113,113	1.73	14 (18%)
17	BCR	l	4012	-	41,41,41	0.73	0	56,56,56	1.75	12 (21%)
14	CLA	u	513	13	45,53,73	1.79	8 (17%)	52,89,113	1.55	6 (11%)
14	CLA	q	502	13	45,53,73	1.76	8 (17%)	52,89,113	1.66	8 (15%)
21	SQD	5	822	-	25,26,54	1.29	4 (16%)	34,37,65	1.95	11 (32%)
14	CLA	G	1132	1	65,73,73	1.42	10 (15%)	76,113,113	1.55	11 (14%)
14	CLA	G	1118	1	60,68,73	1.47	9 (15%)	70,107,113	1.56	8 (11%)
14	CLA	5	507	-	45,53,73	1.73	6 (13%)	52,89,113	1.71	9 (17%)
17	BCR	f	4005	-	41,41,41	0.77	0	56,56,56	1.72	12 (21%)
14	CLA	f	1240	18	65,73,73	1.47	6 (9%)	76,113,113	1.45	8 (10%)
17	BCR	B	4004	-	41,41,41	0.73	0	56,56,56	1.85	14 (25%)
17	BCR	l	523	-	41,41,41	0.75	0	56,56,56	1.69	13 (23%)
14	CLA	H	1227	2	60,68,73	1.54	10 (16%)	70,107,113	1.50	8 (11%)
17	BCR	v	522	-	41,41,41	0.71	0	56,56,56	1.89	19 (33%)
14	CLA	b	507	-	45,53,73	1.72	6 (13%)	52,89,113	1.72	8 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	B	1210	2	65,73,73	1.43	9 (13%)	76,113,113	1.48	9 (11%)
14	CLA	L	1503	23	60,68,73	1.48	8 (13%)	70,107,113	1.56	7 (10%)
14	CLA	u	510	13	45,53,73	1.73	7 (15%)	52,89,113	1.63	7 (13%)
14	CLA	a	518	13	55,63,73	1.58	8 (14%)	64,101,113	1.48	7 (10%)
14	CLA	s	505	13	55,63,73	1.56	7 (12%)	64,101,113	1.50	7 (10%)
14	CLA	d	516	13	45,53,73	1.77	6 (13%)	52,89,113	1.60	7 (13%)
18	LHG	e	5002	-	42,42,48	0.76	1 (2%)	45,48,54	1.23	4 (8%)
14	CLA	u	517	-	45,53,73	1.80	8 (17%)	52,89,113	1.57	6 (11%)
14	CLA	6	516	13	45,53,73	1.77	6 (13%)	52,89,113	1.60	8 (15%)
19	LMU	e	1849	-	23,23,36	1.17	1 (4%)	28,28,47	1.39	4 (14%)
14	CLA	G	1116	1	60,68,73	1.51	8 (13%)	70,107,113	1.51	7 (10%)
14	CLA	e	1104	1	65,73,73	1.44	9 (13%)	76,113,113	1.60	13 (17%)
14	CLA	A	1117	1	65,73,73	1.47	10 (15%)	76,113,113	1.58	10 (13%)
17	BCR	s	523	-	41,41,41	0.69	0	56,56,56	1.82	15 (26%)
21	SQD	v	822	-	25,26,54	1.31	4 (16%)	34,37,65	2.00	10 (29%)
14	CLA	l	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.63	7 (13%)
17	BCR	l	4013	-	41,41,41	0.77	0	56,56,56	1.93	16 (28%)
21	SQD	Z	822	-	27,28,54	1.22	4 (14%)	36,39,65	1.86	10 (27%)
14	CLA	t	505	13	45,53,73	1.75	9 (20%)	52,89,113	1.54	6 (11%)
14	CLA	A	1013	-	65,73,73	1.43	8 (12%)	76,113,113	1.88	13 (17%)
14	CLA	H	1229	2	65,73,73	1.42	7 (10%)	76,113,113	1.59	9 (11%)
14	CLA	r	516	13	45,53,73	1.77	7 (15%)	52,89,113	1.65	8 (15%)
14	CLA	b	518	13	45,53,73	1.76	6 (13%)	52,89,113	1.61	6 (11%)
15	PQN	H	2002	-	34,34,34	2.84	11 (32%)	42,45,45	2.30	6 (14%)
14	CLA	s	501	13	45,53,73	1.76	7 (15%)	52,89,113	1.67	9 (17%)
17	BCR	f	4017	-	41,41,41	0.97	3 (7%)	56,56,56	1.82	12 (21%)
14	CLA	c	506	13	45,53,73	1.73	7 (15%)	52,89,113	1.62	7 (13%)
14	CLA	6	503	13	45,53,73	1.76	6 (13%)	52,89,113	1.69	6 (11%)
14	CLA	v	511	13	45,53,73	1.78	5 (11%)	52,89,113	1.70	7 (13%)
14	CLA	6	512	13	45,53,73	1.77	6 (13%)	52,89,113	1.59	6 (11%)
17	BCR	f	4004	-	41,41,41	0.74	0	56,56,56	1.85	14 (25%)
14	CLA	l	511	13	45,53,73	1.76	7 (15%)	52,89,113	1.68	7 (13%)
14	CLA	Y	507	-	45,53,73	1.74	7 (15%)	52,89,113	1.70	9 (17%)
17	BCR	I	4018	-	41,41,41	0.93	2 (4%)	56,56,56	1.93	17 (30%)
14	CLA	Z	517	-	45,53,73	1.75	7 (15%)	52,89,113	1.65	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	B	1235	2	65,73,73	1.47	10 (15%)	76,113,113	1.51	8 (10%)
17	BCR	a	523	-	41,41,41	0.69	0	56,56,56	1.82	15 (26%)
14	CLA	f	1210	2	65,73,73	1.43	8 (12%)	76,113,113	1.48	9 (11%)
14	CLA	q	503	13	45,53,73	1.76	8 (17%)	52,89,113	1.66	7 (13%)
14	CLA	e	1101	1	65,73,73	1.50	9 (13%)	76,113,113	1.61	13 (17%)
14	CLA	3	518	13	55,63,73	1.58	8 (14%)	64,101,113	1.49	7 (10%)
17	BCR	A	4007	-	41,41,41	0.87	0	56,56,56	2.10	20 (35%)
14	CLA	b	511	13	45,53,73	1.79	7 (15%)	52,89,113	1.68	9 (17%)
14	CLA	f	1216	23	60,68,73	1.60	10 (16%)	70,107,113	1.55	11 (15%)
14	CLA	1	513	13	45,53,73	1.77	7 (15%)	52,89,113	1.62	7 (13%)
17	BCR	5	522	-	41,41,41	0.76	0	56,56,56	1.94	20 (35%)
14	CLA	s	517	-	45,53,73	1.79	8 (17%)	52,89,113	1.59	6 (11%)
14	CLA	e	1125	1	65,73,73	1.42	10 (15%)	76,113,113	1.59	9 (11%)
14	CLA	A	1114	23	45,53,73	1.80	8 (17%)	52,89,113	1.69	9 (17%)
14	CLA	H	1240	18	65,73,73	1.47	6 (9%)	76,113,113	1.46	8 (10%)
14	CLA	H	1225	2	65,73,73	1.45	10 (15%)	76,113,113	1.49	9 (11%)
14	CLA	3	513	13	45,53,73	1.78	8 (17%)	52,89,113	1.60	6 (11%)
14	CLA	A	1139	23	65,73,73	1.47	10 (15%)	76,113,113	1.36	7 (9%)
14	CLA	A	1109	1	65,73,73	1.41	9 (13%)	76,113,113	1.60	8 (10%)
18	LHG	e	5001	-	48,48,48	0.80	1 (2%)	51,54,54	1.30	7 (13%)
14	CLA	e	1118	1	60,68,73	1.47	10 (16%)	70,107,113	1.56	8 (11%)
14	CLA	3	511	13	45,53,73	1.75	6 (13%)	52,89,113	1.71	9 (17%)
18	LHG	e	5003	14	39,39,48	0.86	1 (2%)	42,45,54	1.38	6 (14%)
14	CLA	A	1134	1	56,64,73	1.56	8 (14%)	65,102,113	1.64	11 (16%)
14	CLA	B	1212	2	51,59,73	1.60	7 (13%)	59,96,113	1.67	6 (10%)
14	CLA	Y	506	13	45,53,73	1.76	7 (15%)	52,89,113	1.64	6 (11%)
14	CLA	G	1115	1	60,68,73	1.50	9 (15%)	70,107,113	1.59	7 (10%)
14	CLA	H	1234	2	65,73,73	1.44	9 (13%)	76,113,113	1.65	10 (13%)
19	LMU	A	1849	-	23,23,36	1.17	1 (4%)	28,28,47	1.39	4 (14%)
14	CLA	f	1211	2	55,63,73	1.53	8 (14%)	64,101,113	1.69	8 (12%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	1	512	13	1/1/11/20	5/13/91/115	-
21	SQD	r	822	-	-	7/22/42/69	0/1/1/1
14	CLA	d	509	13	1/1/11/20	4/13/91/115	-
14	CLA	G	1117	1	1/1/15/20	12/37/115/115	-
14	CLA	t	512	13	1/1/11/20	3/13/91/115	-
17	BCR	4	521	-	-	10/29/63/63	0/2/2/2
14	CLA	2	503	13	1/1/15/20	9/37/115/115	-
14	CLA	e	1102	1	1/1/13/20	7/25/103/115	-
17	BCR	H	4014	-	-	7/29/63/63	0/2/2/2
14	CLA	u	518	13	1/1/11/20	3/13/91/115	-
14	CLA	B	1211	2	1/1/13/20	8/25/103/115	-
18	LHG	H	1842	14	-	19/41/41/53	-
14	CLA	G	1022	23	1/1/15/20	9/37/115/115	-
16	SF4	A	3001	2,1	-	-	0/6/5/5
14	CLA	e	1113	1	1/1/11/20	6/13/91/115	-
14	CLA	3	512	13	1/1/11/20	2/13/91/115	-
14	CLA	f	1229	2	1/1/15/20	12/37/115/115	-
17	BCR	d	522	-	-	5/29/63/63	0/2/2/2
18	LHG	A	5004	-	-	18/39/39/53	-
14	CLA	3	502	13	1/1/11/20	1/13/91/115	-
14	CLA	H	1218	2	1/1/14/20	7/31/109/115	-
14	CLA	a	501	13	1/1/11/20	4/13/91/115	-
14	CLA	A	1128	1	1/1/15/20	10/37/115/115	-
14	CLA	A	1111	1	1/1/15/20	18/37/115/115	-
14	CLA	6	502	13	1/1/11/20	1/13/91/115	-
14	CLA	e	1117	1	1/1/15/20	12/37/115/115	-
17	BCR	a	522	-	-	5/29/63/63	0/2/2/2
14	CLA	f	1204	2	1/1/15/20	12/37/115/115	-
14	CLA	e	1124	23	1/1/14/20	11/31/109/115	-
14	CLA	B	1214	2	1/1/15/20	12/37/115/115	-
18	LHG	A	5003	14	-	17/44/44/53	-
14	CLA	s	512	13	1/1/11/20	2/13/91/115	-
14	CLA	4	503	13	1/1/11/20	2/13/91/115	-
14	CLA	G	1114	23	1/1/11/20	3/13/91/115	-
14	CLA	H	1235	2	1/1/15/20	7/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Z	519	13	1/1/11/20	5/13/91/115	-
18	LHG	V	5218	-	-	19/41/41/53	-
21	SQD	c	822	-	-	3/19/39/69	0/1/1/1
17	BCR	2	524	-	-	3/29/63/63	0/2/2/2
14	CLA	c	513	13	1/1/11/20	5/13/91/115	-
14	CLA	q	508	13	1/1/11/20	5/13/91/115	-
14	CLA	r	502	13	1/1/11/20	1/13/91/115	-
14	CLA	c	507	-	1/1/11/20	7/13/91/115	-
14	CLA	5	519	13	1/1/11/20	6/13/91/115	-
14	CLA	e	1134	1	1/1/13/20	9/27/105/115	-
14	CLA	F	1302	6	1/1/11/20	7/13/91/115	-
14	CLA	B	1204	2	1/1/15/20	12/37/115/115	-
14	CLA	A	1115	1	1/1/14/20	11/31/109/115	-
17	BCR	J	4013	-	-	4/29/63/63	0/2/2/2
14	CLA	B	1239	2	1/1/15/20	14/37/115/115	-
14	CLA	3	510	13	1/1/11/20	6/13/91/115	-
14	CLA	e	1138	1	1/1/15/20	12/37/115/115	-
14	CLA	H	1201	2	1/1/14/20	8/31/109/115	-
14	CLA	H	1224	2	1/1/14/20	7/31/109/115	-
14	CLA	H	1212	2	1/1/12/20	8/21/99/115	-
17	BCR	d	524	-	-	5/29/63/63	0/2/2/2
14	CLA	f	1201	2	1/1/14/20	8/31/109/115	-
14	CLA	u	503	13	1/1/11/20	7/13/91/115	-
18	LHG	e	5005	-	-	28/47/47/53	-
14	CLA	B	1240	18	1/1/15/20	13/37/115/115	-
14	CLA	B	1213	2	1/1/14/20	11/33/111/115	-
14	CLA	B	1205	2	1/1/15/20	8/37/115/115	-
14	CLA	f	1209	2	1/1/12/20	9/23/101/115	-
14	CLA	f	1021	2	1/1/15/20	9/37/115/115	-
14	CLA	t	517	-	1/1/11/20	5/13/91/115	-
14	CLA	G	1013	-	1/1/15/20	14/37/115/115	-
14	CLA	a	506	13	1/1/11/20	8/13/91/115	-
14	CLA	f	1236	2	1/1/12/20	3/19/97/115	-
16	SF4	G	3001	2,1	-	-	0/6/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	1120	1	1/1/12/20	11/19/97/115	-
21	SQD	4	822	-	-	10/19/39/69	0/1/1/1
14	CLA	u	504	-	1/1/11/20	3/13/91/115	-
17	BCR	e	4008	-	-	7/29/63/63	0/2/2/2
14	CLA	d	501	13	1/1/11/20	7/13/91/115	-
14	CLA	v	508	13	1/1/11/20	4/13/91/115	-
14	CLA	Z	516	13	-	6/13/91/115	-
14	CLA	H	1230	2	1/1/14/20	10/31/109/115	-
14	CLA	G	1128	1	1/1/15/20	10/37/115/115	-
14	CLA	d	511	13	1/1/11/20	6/13/91/115	-
14	CLA	5	517	-	1/1/11/20	10/13/91/115	-
14	CLA	Y	510	13	1/1/11/20	4/13/91/115	-
21	SQD	q	822	-	-	10/27/47/69	0/1/1/1
14	CLA	a	507	-	1/1/11/20	5/13/91/115	-
18	LHG	n	5221	-	-	31/53/53/53	-
14	CLA	B	1202	2	1/1/15/20	12/37/115/115	-
14	CLA	2	510	13	1/1/11/20	7/13/91/115	-
19	LMU	l	5105	-	-	9/13/33/61	0/1/1/2
14	CLA	5	518	13	1/1/11/20	3/13/91/115	-
14	CLA	Z	503	13	1/1/15/20	9/37/115/115	-
14	CLA	u	508	13	1/1/11/20	4/13/91/115	-
14	CLA	s	516	13	1/1/11/20	7/13/91/115	-
14	CLA	f	1238	23	1/1/15/20	4/37/115/115	-
14	CLA	l	510	13	1/1/11/20	4/13/91/115	-
18	LHG	G	5008	-	-	18/39/39/53	-
14	CLA	G	1134	1	1/1/13/20	9/27/105/115	-
14	CLA	b	505	13	1/1/11/20	3/13/91/115	-
14	CLA	5	503	13	1/1/11/20	7/13/91/115	-
14	CLA	Y	503	13	1/1/11/20	7/13/91/115	-
14	CLA	f	1205	2	1/1/15/20	8/37/115/115	-
19	LMU	G	1849	-	-	6/14/34/61	0/1/1/2
14	CLA	a	512	13	1/1/11/20	2/13/91/115	-
14	CLA	L	1501	10	1/1/14/20	9/31/109/115	-
14	CLA	A	1104	1	1/1/15/20	10/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	1	503	13	1/1/11/20	7/13/91/115	-
14	CLA	q	510	13	1/1/11/20	4/13/91/115	-
17	BCR	H	4006	-	-	4/29/63/63	0/2/2/2
14	CLA	e	1103	1	1/1/15/20	21/37/115/115	-
14	CLA	L	1502	10	1/1/15/20	8/37/115/115	-
14	CLA	H	1204	2	1/1/15/20	12/37/115/115	-
14	CLA	A	1122	1	1/1/14/20	12/31/109/115	-
16	SF4	N	3003	3	-	-	0/6/5/5
14	CLA	A	1135	1	1/1/13/20	10/25/103/115	-
14	CLA	f	1230	2	1/1/14/20	10/31/109/115	-
14	CLA	r	508	13	1/1/11/20	2/13/91/115	-
17	BCR	Z	524	-	-	3/29/63/63	0/2/2/2
16	SF4	g	3003	3	-	-	0/6/5/5
14	CLA	2	511	13	1/1/11/20	4/13/91/115	-
17	BCR	n	4022	-	-	3/29/63/63	0/2/2/2
14	CLA	c	518	13	1/1/11/20	3/13/91/115	-
14	CLA	e	1120	1	1/1/12/20	11/19/97/115	-
14	CLA	t	519	13	1/1/11/20	8/13/91/115	-
17	BCR	4	522	-	-	4/29/63/63	0/2/2/2
14	CLA	m	1103	9	1/1/11/20	8/17/95/115	-
14	CLA	j	1301	23	1/1/11/20	2/13/91/115	-
18	LHG	G	5004	-	-	18/39/39/53	-
17	BCR	R	4016	-	-	2/29/63/63	0/2/2/2
14	CLA	A	1137	1	1/1/14/20	18/31/109/115	-
14	CLA	3	503	13	1/1/11/20	7/13/91/115	-
14	CLA	r	501	13	1/1/14/20	11/31/109/115	-
17	BCR	l	4015	-	-	5/29/63/63	0/2/2/2
18	LHG	e	5007	-	-	23/51/51/53	-
14	CLA	f	1215	2	1/1/15/20	19/37/115/115	-
14	CLA	A	1118	1	1/1/14/20	8/31/109/115	-
14	CLA	3	509	13	1/1/11/20	2/13/91/115	-
17	BCR	A	4002	-	-	0/29/63/63	0/2/2/2
17	BCR	q	521	-	-	7/29/63/63	0/2/2/2
14	CLA	B	1021	2	1/1/15/20	9/37/115/115	-
14	CLA	H	1012	23	1/1/15/20	15/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	u	516	13	1/1/11/20	5/13/91/115	-
14	CLA	6	508	13	1/1/11/20	4/13/91/115	-
14	CLA	t	502	13	1/1/11/20	3/13/91/115	-
14	CLA	U	1401	-	1/1/13/20	8/25/103/115	-
14	CLA	6	506	13	1/1/11/20	6/13/91/115	-
14	CLA	A	1133	1	1/1/15/20	15/37/115/115	-
14	CLA	v	502	13	1/1/11/20	1/13/91/115	-
17	BCR	J	4015	-	-	5/29/63/63	0/2/2/2
14	CLA	B	1216	23	1/1/14/20	11/31/109/115	-
14	CLA	s	509	13	1/1/11/20	2/13/91/115	-
14	CLA	e	1135	1	1/1/13/20	10/25/103/115	-
14	CLA	Z	502	13	1/1/11/20	1/13/91/115	-
14	CLA	q	517	-	1/1/11/20	7/13/91/115	-
14	CLA	r	513	13	1/1/11/20	2/13/91/115	-
17	BCR	l	522	-	-	6/29/63/63	0/2/2/2
14	CLA	Z	511	13	1/1/11/20	4/13/91/115	-
17	BCR	H	4017	-	-	2/29/63/63	0/2/2/2
14	CLA	r	504	-	1/1/11/20	7/13/91/115	-
17	BCR	n	4019	-	-	6/29/63/63	0/2/2/2
14	CLA	A	1132	1	1/1/15/20	16/37/115/115	-
14	CLA	v	509	13	1/1/11/20	4/13/91/115	-
14	CLA	B	1223	2	1/1/15/20	9/37/115/115	-
14	CLA	Y	512	13	1/1/11/20	5/13/91/115	-
17	BCR	t	521	-	-	10/29/63/63	0/2/2/2
17	BCR	W	4021	-	-	6/29/63/63	0/2/2/2
14	CLA	G	1140	1	1/1/15/20	12/37/115/115	-
14	CLA	e	1116	1	1/1/14/20	9/31/109/115	-
14	CLA	q	519	13	1/1/11/20	6/13/91/115	-
14	CLA	Z	504	-	1/1/11/20	7/13/91/115	-
14	CLA	H	1220	2	1/1/13/20	9/25/103/115	-
14	CLA	e	1129	1	1/1/12/20	8/23/101/115	-
17	BCR	L	4020	-	-	4/29/63/63	0/2/2/2
14	CLA	5	513	13	1/1/11/20	5/13/91/115	-
14	CLA	T	1303	8	1/1/11/20	4/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	c	503	13	1/1/11/20	7/13/91/115	-
14	CLA	s	502	13	1/1/11/20	1/13/91/115	-
14	CLA	5	504	-	1/1/11/20	3/13/91/115	-
14	CLA	5	508	13	1/1/11/20	4/13/91/115	-
14	CLA	G	1122	1	1/1/14/20	12/31/109/115	-
14	CLA	f	1231	23	1/1/15/20	8/37/115/115	-
16	SF4	g	3002	3	-	-	0/6/5/5
14	CLA	t	518	13	1/1/11/20	4/13/91/115	-
14	CLA	H	1202	2	1/1/15/20	12/37/115/115	-
14	CLA	2	509	13	1/1/15/20	3/37/115/115	-
17	BCR	G	4007	-	-	0/29/63/63	0/2/2/2
21	SQD	H	1852	-	-	18/35/55/69	0/1/1/1
14	CLA	b	504	-	1/1/11/20	4/13/91/115	-
14	CLA	t	501	13	1/1/11/20	6/13/91/115	-
17	BCR	V	4020	-	-	4/29/63/63	0/2/2/2
14	CLA	B	1201	2	1/1/14/20	8/31/109/115	-
17	BCR	s	521	-	-	7/29/63/63	0/2/2/2
17	BCR	M	4021	-	-	6/29/63/63	0/2/2/2
17	BCR	G	4002	-	-	0/29/63/63	0/2/2/2
14	CLA	v	510	13	1/1/11/20	8/13/91/115	-
21	SQD	3	822	-	-	9/23/43/69	0/1/1/1
14	CLA	Z	510	13	1/1/11/20	7/13/91/115	-
14	CLA	6	505	13	1/1/15/20	15/37/115/115	-
17	BCR	q	523	-	-	6/29/63/63	0/2/2/2
14	CLA	3	516	13	1/1/11/20	7/13/91/115	-
14	CLA	r	519	13	1/1/11/20	5/13/91/115	-
17	BCR	H	4010	-	-	7/29/63/63	0/2/2/2
14	CLA	e	1130	1	1/1/13/20	7/27/105/115	-
14	CLA	G	1133	1	1/1/15/20	15/37/115/115	-
14	CLA	B	1236	2	1/1/12/20	3/19/97/115	-
14	CLA	2	502	13	1/1/11/20	1/13/91/115	-
14	CLA	e	1127	1	1/1/15/20	12/37/115/115	-
14	CLA	1	501	13	1/1/11/20	9/13/91/115	-
14	CLA	s	506	13	1/1/11/20	8/13/91/115	-
21	SQD	n	5216	-	-	17/41/61/69	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	SF4	N	3002	3	-	-	0/6/5/5
14	CLA	A	1124	23	1/1/14/20	11/31/109/115	-
14	CLA	a	510	13	1/1/11/20	6/13/91/115	-
14	CLA	u	519	13	1/1/11/20	6/13/91/115	-
14	CLA	B	1234	2	1/1/15/20	15/37/115/115	-
14	CLA	R	1301	23	1/1/11/20	2/13/91/115	-
14	CLA	b	517	-	1/1/11/20	5/13/91/115	-
14	CLA	t	511	13	1/1/11/20	3/13/91/115	-
17	BCR	G	4001	-	-	8/29/63/63	0/2/2/2
14	CLA	B	1227	2	1/1/14/20	11/31/109/115	-
17	BCR	e	4002	-	-	0/29/63/63	0/2/2/2
17	BCR	t	523	-	-	5/29/63/63	0/2/2/2
21	SQD	d	822	-	-	7/19/39/69	0/1/1/1
21	SQD	s	822	-	-	9/23/43/69	0/1/1/1
14	CLA	e	1022	23	1/1/15/20	9/37/115/115	-
14	CLA	d	513	13	1/1/11/20	3/13/91/115	-
17	BCR	2	521	-	-	4/29/63/63	0/2/2/2
14	CLA	4	511	13	1/1/11/20	3/13/91/115	-
14	CLA	e	1123	23	1/1/15/20	11/37/115/115	-
14	CLA	r	512	13	1/1/11/20	4/13/91/115	-
14	CLA	Y	516	13	1/1/11/20	12/13/91/115	-
14	CLA	d	507	-	1/1/11/20	5/13/91/115	-
14	CLA	A	1107	1	1/1/15/20	14/37/115/115	-
14	CLA	G	1104	1	1/1/15/20	10/37/115/115	-
14	CLA	2	505	13	1/1/15/20	14/37/115/115	-
14	CLA	G	1138	1	1/1/15/20	12/37/115/115	-
14	CLA	5	506	13	1/1/11/20	6/13/91/115	-
14	CLA	e	1122	1	1/1/14/20	12/31/109/115	-
14	CLA	u	502	13	1/1/11/20	5/13/91/115	-
14	CLA	f	1222	23	1/1/12/20	2/19/97/115	-
14	CLA	A	1237	23	1/1/15/20	22/37/115/115	-
14	CLA	A	1106	1	1/1/15/20	21/37/115/115	-
14	CLA	G	1129	1	1/1/12/20	8/23/101/115	-
14	CLA	4	513	13	1/1/11/20	5/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	4	507	-	1/1/11/20	6/13/91/115	-
14	CLA	4	504	-	1/1/11/20	4/13/91/115	-
14	CLA	b	506	13	1/1/11/20	4/13/91/115	-
14	CLA	n	1503	23	1/1/14/20	10/31/109/115	-
14	CLA	f	1213	2	1/1/14/20	11/33/111/115	-
14	CLA	c	516	13	1/1/11/20	5/13/91/115	-
14	CLA	q	518	13	1/1/11/20	6/13/91/115	-
14	CLA	U	1105	9	1/1/11/20	8/13/91/115	-
16	SF4	C	3002	3	-	-	0/6/5/5
14	CLA	6	504	-	1/1/11/20	4/13/91/115	-
18	LHG	A	5008	-	-	18/39/39/53	-
14	CLA	n	1502	10	1/1/15/20	8/37/115/115	-
14	CLA	b	513	13	1/1/11/20	5/13/91/115	-
14	CLA	f	1220	2	1/1/13/20	9/25/103/115	-
14	CLA	r	517	-	-	7/13/91/115	-
14	CLA	2	516	13	-	6/13/91/115	-
17	BCR	e	4007	-	-	0/29/63/63	0/2/2/2
14	CLA	G	1137	1	1/1/14/20	18/31/109/115	-
14	CLA	q	513	13	1/1/11/20	4/13/91/115	-
14	CLA	A	1101	1	1/1/15/20	18/37/115/115	-
14	CLA	J	1303	8	1/1/11/20	4/13/91/115	-
14	CLA	f	1208	2	1/1/15/20	15/37/115/115	-
14	CLA	Y	517	-	1/1/11/20	7/13/91/115	-
14	CLA	l	516	13	1/1/11/20	12/13/91/115	-
14	CLA	q	504	-	1/1/11/20	5/13/91/115	-
17	BCR	G	4008	-	-	7/29/63/63	0/2/2/2
17	BCR	b	524	-	-	4/29/63/63	0/2/2/2
14	CLA	v	501	13	1/1/11/20	7/13/91/115	-
14	CLA	c	504	-	1/1/11/20	3/13/91/115	-
14	CLA	A	1136	1	1/1/15/20	10/37/115/115	-
21	SQD	b	822	-	-	10/19/39/69	0/1/1/1
17	BCR	e	4003	-	-	0/29/63/63	0/2/2/2
14	CLA	d	518	13	1/1/11/20	7/13/91/115	-
14	CLA	c	508	13	1/1/11/20	4/13/91/115	-
14	CLA	B	1230	2	1/1/14/20	10/31/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	S	4018	-	-	0/29/63/63	0/2/2/2
14	CLA	T	1302	8	1/1/13/20	12/25/103/115	-
18	LHG	G	5001	-	-	23/53/53/53	-
18	LHG	A	5009	-	-	28/46/46/53	-
14	CLA	t	509	13	1/1/11/20	6/13/91/115	-
14	CLA	H	1219	2	1/1/14/20	18/35/113/115	-
18	LHG	G	5003	14	-	17/44/44/53	-
14	CLA	u	501	13	1/1/11/20	6/13/91/115	-
14	CLA	6	510	13	1/1/11/20	8/13/91/115	-
14	CLA	r	518	13	1/1/13/20	14/25/103/115	-
14	CLA	e	1126	1	1/1/15/20	18/37/115/115	-
17	BCR	5	521	-	-	7/29/63/63	0/2/2/2
14	CLA	f	1227	2	1/1/14/20	11/31/109/115	-
14	CLA	e	1133	1	1/1/15/20	15/37/115/115	-
17	BCR	H	4004	-	-	8/29/63/63	0/2/2/2
14	CLA	A	1129	1	1/1/12/20	8/23/101/115	-
14	CLA	B	1215	2	1/1/15/20	19/37/115/115	-
14	CLA	A	1108	1	1/1/12/20	14/24/102/115	-
14	CLA	Z	509	13	1/1/15/20	3/37/115/115	-
17	BCR	T	4012	-	-	9/29/63/63	0/2/2/2
14	CLA	Y	513	13	1/1/11/20	4/13/91/115	-
17	BCR	L	4022	-	-	3/29/63/63	0/2/2/2
19	LMU	B	1843	-	-	12/21/61/61	0/2/2/2
14	CLA	A	1103	1	1/1/15/20	21/37/115/115	-
14	CLA	c	511	13	1/1/11/20	3/13/91/115	-
17	BCR	r	523	-	-	6/29/63/63	0/2/2/2
14	CLA	u	509	13	1/1/15/20	13/37/115/115	-
14	CLA	u	505	13	1/1/11/20	3/13/91/115	-
17	BCR	G	4011	-	-	13/29/63/63	0/2/2/2
17	BCR	3	521	-	-	7/29/63/63	0/2/2/2
17	BCR	r	522	-	-	6/29/63/63	0/2/2/2
14	CLA	H	1228	2	1/1/13/20	6/25/103/115	-
14	CLA	q	506	13	1/1/11/20	5/13/91/115	-
17	BCR	6	521	-	-	5/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A	1120	1	1/1/12/20	11/19/97/115	-
14	CLA	2	518	13	1/1/13/20	14/25/103/115	-
14	CLA	5	510	13	1/1/11/20	7/13/91/115	-
14	CLA	d	519	13	1/1/11/20	6/13/91/115	-
17	BCR	B	4017	-	-	2/29/63/63	0/2/2/2
14	CLA	G	1101	1	1/1/15/20	18/37/115/115	-
17	BCR	T	4013	-	-	4/29/63/63	0/2/2/2
14	CLA	H	1208	2	1/1/15/20	15/37/115/115	-
14	CLA	2	501	13	1/1/14/20	11/31/109/115	-
21	SQD	6	822	-	-	7/19/39/69	0/1/1/1
14	CLA	b	510	13	1/1/11/20	5/13/91/115	-
17	BCR	6	523	-	-	4/29/63/63	0/2/2/2
17	BCR	r	521	-	-	4/29/63/63	0/2/2/2
14	CLA	6	517	-	1/1/11/20	10/13/91/115	-
17	BCR	f	4006	-	-	4/29/63/63	0/2/2/2
18	LHG	n	5220	-	-	28/45/45/53	-
14	CLA	G	1108	1	1/1/12/20	14/24/102/115	-
17	BCR	q	524	-	-	2/29/63/63	0/2/2/2
15	PQN	f	2002	-	-	6/23/43/43	0/2/2/2
17	BCR	d	521	-	-	5/29/63/63	0/2/2/2
14	CLA	H	1023	-	1/1/15/20	10/37/115/115	-
14	CLA	t	506	13	1/1/11/20	4/13/91/115	-
14	CLA	G	1119	23	1/1/15/20	13/37/115/115	-
17	BCR	t	524	-	-	4/29/63/63	0/2/2/2
14	CLA	f	1012	23	1/1/15/20	15/37/115/115	-
14	CLA	Y	502	13	1/1/11/20	2/13/91/115	-
17	BCR	V	4019	-	-	6/29/63/63	0/2/2/2
18	LHG	A	5007	-	-	23/51/51/53	-
14	CLA	H	1203	2	1/1/15/20	14/37/115/115	-
14	CLA	3	519	13	1/1/11/20	5/13/91/115	-
14	CLA	G	1124	23	1/1/14/20	11/31/109/115	-
17	BCR	V	4022	-	-	3/29/63/63	0/2/2/2
14	CLA	B	1226	2	1/1/13/20	7/25/103/115	-
14	CLA	f	1203	2	1/1/15/20	14/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	4	518	13	1/1/11/20	4/13/91/115	-
14	CLA	m	1401	-	1/1/13/20	8/25/103/115	-
14	CLA	B	1208	2	1/1/15/20	15/37/115/115	-
17	BCR	B	4009	-	-	1/29/63/63	0/2/2/2
14	CLA	Z	505	13	1/1/15/20	14/37/115/115	-
14	CLA	1	502	13	1/1/11/20	2/13/91/115	-
14	CLA	G	1112	1	1/1/12/20	2/19/97/115	-
14	CLA	v	516	13	1/1/11/20	9/13/91/115	-
14	CLA	H	1209	2	1/1/12/20	9/23/101/115	-
17	BCR	A	4011	-	-	13/29/63/63	0/2/2/2
18	LHG	A	5002	-	-	22/47/47/53	-
14	CLA	b	519	13	1/1/11/20	8/13/91/115	-
14	CLA	u	512	13	1/1/11/20	5/13/91/115	-
17	BCR	b	521	-	-	10/29/63/63	0/2/2/2
14	CLA	t	508	13	1/1/11/20	4/13/91/115	-
17	BCR	5	523	-	-	4/29/63/63	0/2/2/2
14	CLA	G	1237	23	1/1/15/20	23/37/115/115	-
14	CLA	G	1106	1	1/1/15/20	21/37/115/115	-
14	CLA	c	512	13	1/1/11/20	5/13/91/115	-
21	SQD	V	5216	-	-	17/41/61/69	0/1/1/1
14	CLA	d	508	13	1/1/11/20	4/13/91/115	-
14	CLA	2	512	13	1/1/11/20	4/13/91/115	-
14	CLA	a	516	13	1/1/11/20	7/13/91/115	-
14	CLA	6	518	13	1/1/11/20	7/13/91/115	-
14	CLA	q	511	13	1/1/11/20	2/13/91/115	-
17	BCR	b	523	-	-	5/29/63/63	0/2/2/2
14	CLA	f	1224	2	1/1/14/20	7/31/109/115	-
14	CLA	1	505	13	1/1/11/20	6/13/91/115	-
14	CLA	Z	501	13	1/1/14/20	11/31/109/115	-
17	BCR	A	4008	-	-	7/29/63/63	0/2/2/2
14	CLA	t	507	-	1/1/11/20	6/13/91/115	-
20	LMG	l	5104	-	-	13/27/47/70	0/1/1/1
14	CLA	e	1110	1	1/1/12/20	10/23/101/115	-
14	CLA	e	1112	1	1/1/12/20	2/19/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	LHG	G	5007	-	-	23/51/51/53	-
14	CLA	A	1011	1	1/1/15/20	10/37/115/115	-
17	BCR	4	523	-	-	5/29/63/63	0/2/2/2
14	CLA	d	503	13	1/1/11/20	6/13/91/115	-
14	CLA	B	1231	23	1/1/15/20	8/37/115/115	-
14	CLA	4	517	-	1/1/11/20	5/13/91/115	-
14	CLA	f	1226	2	1/1/13/20	7/25/103/115	-
17	BCR	3	523	-	-	4/29/63/63	0/2/2/2
14	CLA	a	503	13	1/1/11/20	7/13/91/115	-
14	CLA	B	1222	23	1/1/12/20	2/19/97/115	-
14	CLA	2	519	13	1/1/11/20	5/13/91/115	-
14	CLA	A	1130	1	1/1/13/20	7/27/105/115	-
14	CLA	A	1138	1	1/1/15/20	12/37/115/115	-
14	CLA	A	1125	1	1/1/15/20	12/37/115/115	-
18	LHG	n	5218	-	-	19/41/41/53	-
14	CLA	H	1232	23	1/1/13/20	6/25/103/115	-
19	LMU	H	1843	-	-	12/21/61/61	0/2/2/2
14	CLA	6	519	13	1/1/11/20	6/13/91/115	-
14	CLA	q	507	-	1/1/11/20	6/13/91/115	-
14	CLA	H	1223	2	1/1/15/20	9/37/115/115	-
14	CLA	r	511	13	1/1/11/20	4/13/91/115	-
18	LHG	G	5009	-	-	28/46/46/53	-
14	CLA	c	502	13	1/1/11/20	5/13/91/115	-
14	CLA	B	1220	2	1/1/13/20	9/25/103/115	-
17	BCR	e	4001	-	-	8/29/63/63	0/2/2/2
14	CLA	r	506	13	1/1/11/20	5/13/91/115	-
17	BCR	F	4016	-	-	2/29/63/63	0/2/2/2
14	CLA	e	1119	23	1/1/15/20	14/37/115/115	-
14	CLA	f	1023	-	1/1/15/20	10/37/115/115	-
14	CLA	Z	518	13	1/1/13/20	14/25/103/115	-
21	SQD	t	822	-	-	10/19/39/69	0/1/1/1
14	CLA	d	506	13	1/1/11/20	6/13/91/115	-
14	CLA	H	1215	2	1/1/15/20	19/37/115/115	-
14	CLA	e	1237	23	1/1/15/20	23/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	u	506	13	1/1/11/20	6/13/91/115	-
14	CLA	G	1103	1	1/1/15/20	21/37/115/115	-
14	CLA	Y	505	13	1/1/11/20	6/13/91/115	-
14	CLA	b	503	13	1/1/11/20	2/13/91/115	-
17	BCR	u	524	-	-	2/29/63/63	0/2/2/2
19	LMU	e	1848	-	-	7/21/61/61	0/2/2/2
17	BCR	r	524	-	-	3/29/63/63	0/2/2/2
14	CLA	b	509	13	1/1/11/20	6/13/91/115	-
14	CLA	B	1203	2	1/1/15/20	14/37/115/115	-
21	SQD	2	822	-	-	7/22/42/69	0/1/1/1
14	CLA	r	507	-	1/1/11/20	8/13/91/115	-
17	BCR	t	522	-	-	4/29/63/63	0/2/2/2
17	BCR	2	523	-	-	6/29/63/63	0/2/2/2
14	CLA	4	519	13	1/1/11/20	8/13/91/115	-
14	CLA	c	505	13	1/1/11/20	3/13/91/115	-
14	CLA	A	1121	1	1/1/13/20	8/25/103/115	-
14	CLA	Y	501	13	1/1/11/20	9/13/91/115	-
14	CLA	c	501	13	1/1/11/20	6/13/91/115	-
14	CLA	c	510	13	1/1/11/20	7/13/91/115	-
17	BCR	f	4009	-	-	1/29/63/63	0/2/2/2
18	LHG	e	5008	-	-	18/39/39/53	-
17	BCR	c	523	-	-	4/29/63/63	0/2/2/2
17	BCR	6	524	-	-	5/29/63/63	0/2/2/2
17	BCR	A	4003	-	-	0/29/63/63	0/2/2/2
17	BCR	v	521	-	-	5/29/63/63	0/2/2/2
14	CLA	a	502	13	1/1/11/20	1/13/91/115	-
20	LMG	T	5104	-	-	13/27/47/70	0/1/1/1
14	CLA	B	1218	2	1/1/14/20	7/31/109/115	-
18	LHG	G	5002	-	-	22/47/47/53	-
14	CLA	v	512	13	1/1/11/20	7/13/91/115	-
14	CLA	6	501	13	1/1/11/20	7/13/91/115	-
15	PQN	A	2001	-	-	14/23/43/43	0/2/2/2
14	CLA	Z	512	13	1/1/11/20	4/13/91/115	-
14	CLA	G	1135	1	1/1/13/20	10/25/103/115	-
14	CLA	j	1302	6	1/1/11/20	7/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	j	4016	-	-	2/29/63/63	0/2/2/2
14	CLA	H	1231	23	1/1/15/20	8/37/115/115	-
14	CLA	d	504	-	1/1/11/20	4/13/91/115	-
17	BCR	v	523	-	-	4/29/63/63	0/2/2/2
14	CLA	B	1229	2	1/1/15/20	13/37/115/115	-
14	CLA	H	1222	23	1/1/12/20	2/19/97/115	-
17	BCR	Z	523	-	-	6/29/63/63	0/2/2/2
14	CLA	e	1105	1	1/1/13/20	7/25/103/115	-
16	SF4	C	3003	3	-	-	0/6/5/5
17	BCR	a	521	-	-	7/29/63/63	0/2/2/2
14	CLA	e	1106	1	1/1/15/20	21/37/115/115	-
14	CLA	1	509	13	1/1/11/20	3/13/91/115	-
14	CLA	5	516	13	1/1/11/20	5/13/91/115	-
14	CLA	5	501	13	1/1/11/20	6/13/91/115	-
14	CLA	f	1207	2	1/1/15/20	16/37/115/115	-
14	CLA	4	516	13	1/1/11/20	7/13/91/115	-
15	PQN	B	2002	-	-	6/23/43/43	0/2/2/2
14	CLA	4	508	13	1/1/11/20	4/13/91/115	-
14	CLA	1	506	13	1/1/11/20	5/13/91/115	-
14	CLA	B	1012	23	1/1/15/20	15/37/115/115	-
14	CLA	a	517	-	1/1/11/20	7/13/91/115	-
14	CLA	G	1123	23	1/1/15/20	11/37/115/115	-
14	CLA	m	1105	9	1/1/11/20	8/13/91/115	-
14	CLA	6	511	13	1/1/11/20	5/13/91/115	-
14	CLA	3	504	-	1/1/11/20	5/13/91/115	-
14	CLA	b	516	13	1/1/11/20	7/13/91/115	-
14	CLA	s	519	13	1/1/11/20	5/13/91/115	-
17	BCR	2	522	-	-	6/29/63/63	0/2/2/2
14	CLA	c	509	13	1/1/15/20	13/37/115/115	-
14	CLA	q	505	13	1/1/11/20	6/13/91/115	-
21	SQD	u	822	-	-	3/19/39/69	0/1/1/1
17	BCR	n	4219	-	-	2/29/63/63	0/2/2/2
14	CLA	A	1127	1	1/1/15/20	12/37/115/115	-
18	LHG	H	1855	-	-	24/45/45/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	1011	1	1/1/15/20	10/37/115/115	-
14	CLA	f	1218	2	1/1/14/20	7/31/109/115	-
14	CLA	e	1137	1	1/1/14/20	18/31/109/115	-
17	BCR	B	4014	-	-	7/29/63/63	0/2/2/2
14	CLA	B	1219	2	1/1/14/20	18/35/113/115	-
14	CLA	l	1303	8	1/1/11/20	4/13/91/115	-
14	CLA	v	518	13	1/1/11/20	7/13/91/115	-
17	BCR	G	4003	-	-	0/29/63/63	0/2/2/2
18	LHG	B	1842	14	-	19/41/41/53	-
14	CLA	5	512	13	1/1/11/20	5/13/91/115	-
18	LHG	e	5009	-	-	28/46/46/53	-
14	CLA	3	507	-	1/1/11/20	5/13/91/115	-
14	CLA	G	1130	1	1/1/13/20	7/27/105/115	-
14	CLA	6	513	13	1/1/11/20	3/13/91/115	-
14	CLA	B	1209	2	1/1/12/20	9/23/101/115	-
17	BCR	u	522	-	-	5/29/63/63	0/2/2/2
14	CLA	J	1302	8	1/1/13/20	12/25/103/115	-
14	CLA	B	1217	2	1/1/14/20	12/31/109/115	-
14	CLA	3	517	-	1/1/11/20	7/13/91/115	-
14	CLA	6	507	-	1/1/11/20	5/13/91/115	-
14	CLA	B	1224	2	1/1/14/20	7/31/109/115	-
14	CLA	A	1119	23	1/1/15/20	14/37/115/115	-
18	LHG	A	5005	-	-	28/47/47/53	-
14	CLA	H	1216	23	1/1/14/20	11/31/109/115	-
15	PQN	G	2001	-	-	14/23/43/43	0/2/2/2
17	BCR	Y	524	-	-	2/29/63/63	0/2/2/2
14	CLA	G	1126	1	1/1/15/20	18/37/115/115	-
14	CLA	b	508	13	1/1/11/20	4/13/91/115	-
21	SQD	Y	822	-	-	10/27/47/69	0/1/1/1
14	CLA	H	1021	2	1/1/15/20	9/37/115/115	-
14	CLA	B	1232	23	1/1/13/20	6/25/103/115	-
14	CLA	K	1103	9	1/1/11/20	8/17/95/115	-
20	LMG	H	5002	-	-	24/48/68/70	0/1/1/1
21	SQD	a	822	-	-	9/23/43/69	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	4	512	13	1/1/11/20	3/13/91/115	-
14	CLA	A	1113	1	1/1/11/20	6/13/91/115	-
14	CLA	s	507	-	1/1/11/20	5/13/91/115	-
17	BCR	u	521	-	-	7/29/63/63	0/2/2/2
17	BCR	l	524	-	-	2/29/63/63	0/2/2/2
14	CLA	4	506	13	1/1/11/20	4/13/91/115	-
18	LHG	L	5218	-	-	19/41/41/53	-
14	CLA	v	505	13	1/1/15/20	15/37/115/115	-
17	BCR	d	523	-	-	4/29/63/63	0/2/2/2
14	CLA	A	1112	1	1/1/12/20	2/19/97/115	-
14	CLA	3	506	13	1/1/11/20	8/13/91/115	-
18	LHG	A	5001	-	-	23/53/53/53	-
14	CLA	d	517	-	1/1/11/20	10/13/91/115	-
14	CLA	G	1113	1	1/1/11/20	6/13/91/115	-
14	CLA	H	1238	23	1/1/15/20	4/37/115/115	-
17	BCR	u	523	-	-	4/29/63/63	0/2/2/2
17	BCR	H	4005	-	-	6/29/63/63	0/2/2/2
17	BCR	f	4014	-	-	7/29/63/63	0/2/2/2
17	BCR	T	4015	-	-	5/29/63/63	0/2/2/2
14	CLA	G	1111	1	1/1/15/20	18/37/115/115	-
14	CLA	n	1501	10	1/1/14/20	9/31/109/115	-
14	CLA	s	518	13	1/1/13/20	9/25/103/115	-
14	CLA	R	1302	6	1/1/11/20	7/13/91/115	-
18	LHG	S	5001	-	-	25/52/52/53	-
14	CLA	A	1110	1	1/1/12/20	10/23/101/115	-
17	BCR	c	524	-	-	2/29/63/63	0/2/2/2
14	CLA	e	1109	1	1/1/15/20	14/37/115/115	-
14	CLA	q	509	13	1/1/11/20	3/13/91/115	-
17	BCR	3	524	-	-	5/29/63/63	0/2/2/2
14	CLA	f	1217	2	1/1/14/20	12/31/109/115	-
14	CLA	B	1023	-	1/1/15/20	10/37/115/115	-
14	CLA	c	517	-	1/1/11/20	10/13/91/115	-
14	CLA	r	510	13	1/1/11/20	7/13/91/115	-
14	CLA	f	1212	2	1/1/12/20	8/21/99/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	LHG	e	5004	-	-	18/39/39/53	-
14	CLA	5	502	13	1/1/11/20	5/13/91/115	-
14	CLA	t	503	13	1/1/11/20	2/13/91/115	-
14	CLA	Y	518	13	1/1/11/20	6/13/91/115	-
14	CLA	1	507	-	1/1/11/20	6/13/91/115	-
17	BCR	L	4019	-	-	6/29/63/63	0/2/2/2
14	CLA	K	1105	9	1/1/11/20	8/13/91/115	-
14	CLA	e	1011	1	1/1/15/20	10/37/115/115	-
14	CLA	G	1107	1	1/1/15/20	14/37/115/115	-
14	CLA	G	1102	1	1/1/13/20	7/25/103/115	-
14	CLA	H	1236	2	1/1/12/20	3/19/97/115	-
14	CLA	b	502	13	1/1/11/20	3/13/91/115	-
17	BCR	b	522	-	-	4/29/63/63	0/2/2/2
22	FMN	p	170	-	-	0/18/18/18	0/3/3/3
17	BCR	o	4021	-	-	6/29/63/63	0/2/2/2
14	CLA	1	504	-	1/1/11/20	5/13/91/115	-
14	CLA	K	1401	-	1/1/13/20	8/25/103/115	-
14	CLA	5	505	13	1/1/11/20	3/13/91/115	-
14	CLA	t	504	-	1/1/11/20	4/13/91/115	-
14	CLA	2	506	13	1/1/11/20	5/13/91/115	-
19	LMU	G	1848	-	-	7/21/61/61	0/2/2/2
17	BCR	Z	522	-	-	6/29/63/63	0/2/2/2
14	CLA	Y	509	13	1/1/11/20	3/13/91/115	-
17	BCR	s	522	-	-	5/29/63/63	0/2/2/2
14	CLA	a	509	13	1/1/11/20	2/13/91/115	-
14	CLA	s	503	13	1/1/11/20	7/13/91/115	-
14	CLA	b	512	13	1/1/11/20	3/13/91/115	-
14	CLA	e	1111	1	1/1/15/20	18/37/115/115	-
18	LHG	V	5220	-	-	28/45/45/53	-
14	CLA	f	1214	2	1/1/15/20	12/37/115/115	-
14	CLA	U	1103	9	1/1/11/20	8/17/95/115	-
14	CLA	G	1121	1	1/1/13/20	8/25/103/115	-
14	CLA	G	1136	1	1/1/15/20	10/37/115/115	-
18	LHG	L	5220	-	-	28/45/45/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	LMG	f	5002	-	-	24/48/68/70	0/1/1/1
14	CLA	r	503	13	1/1/15/20	9/37/115/115	-
14	CLA	G	1139	23	1/1/15/20	18/37/115/115	-
14	CLA	G	1110	1	1/1/12/20	10/23/101/115	-
14	CLA	6	509	13	1/1/11/20	4/13/91/115	-
14	CLA	3	505	13	1/1/13/20	11/25/103/115	-
14	CLA	Y	519	13	1/1/11/20	6/13/91/115	-
14	CLA	4	510	13	1/1/11/20	5/13/91/115	-
14	CLA	d	502	13	1/1/11/20	1/13/91/115	-
17	BCR	Y	522	-	-	6/29/63/63	0/2/2/2
14	CLA	1	508	13	1/1/11/20	5/13/91/115	-
14	CLA	A	1131	1	1/1/15/20	6/37/115/115	-
14	CLA	G	1109	1	1/1/15/20	14/37/115/115	-
14	CLA	H	1217	2	1/1/14/20	12/31/109/115	-
14	CLA	a	519	13	1/1/11/20	5/13/91/115	-
14	CLA	G	1127	1	1/1/15/20	12/37/115/115	-
14	CLA	f	1228	2	1/1/13/20	6/25/103/115	-
14	CLA	s	504	-	1/1/11/20	5/13/91/115	-
14	CLA	q	501	13	1/1/11/20	9/13/91/115	-
14	CLA	f	1225	2	1/1/15/20	7/37/115/115	-
14	CLA	1	519	13	1/1/11/20	6/13/91/115	-
14	CLA	2	507	-	1/1/11/20	8/13/91/115	-
17	BCR	k	4018	-	-	0/29/63/63	0/2/2/2
14	CLA	4	502	13	1/1/11/20	3/13/91/115	-
17	BCR	n	4020	-	-	4/29/63/63	0/2/2/2
14	CLA	H	1205	2	1/1/15/20	8/37/115/115	-
14	CLA	e	1131	1	1/1/15/20	6/37/115/115	-
17	BCR	f	4010	-	-	7/29/63/63	0/2/2/2
14	CLA	B	1207	2	1/1/15/20	16/37/115/115	-
17	BCR	Y	521	-	-	7/29/63/63	0/2/2/2
17	BCR	s	524	-	-	5/29/63/63	0/2/2/2
15	PQN	e	2001	-	-	14/23/43/43	0/2/2/2
18	LHG	e	5006	-	-	26/44/44/53	-
14	CLA	e	1114	23	1/1/11/20	3/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	t	516	13	1/1/11/20	7/13/91/115	-
17	BCR	3	522	-	-	5/29/63/63	0/2/2/2
17	BCR	6	522	-	-	5/29/63/63	0/2/2/2
14	CLA	d	505	13	1/1/15/20	15/37/115/115	-
17	BCR	m	4104	-	-	2/29/63/63	0/2/2/2
14	CLA	Z	506	13	1/1/11/20	5/13/91/115	-
14	CLA	5	511	13	1/1/11/20	3/13/91/115	-
17	BCR	B	4006	-	-	4/29/63/63	0/2/2/2
14	CLA	a	505	13	1/1/13/20	11/25/103/115	-
14	CLA	d	510	13	1/1/11/20	8/13/91/115	-
14	CLA	s	508	13	1/1/11/20	2/13/91/115	-
17	BCR	l	521	-	-	7/29/63/63	0/2/2/2
14	CLA	e	1136	1	1/1/15/20	10/37/115/115	-
14	CLA	f	1234	2	1/1/15/20	15/37/115/115	-
17	BCR	e	4011	-	-	13/29/63/63	0/2/2/2
14	CLA	A	1105	1	1/1/13/20	7/25/103/115	-
19	LMU	T	5105	-	-	9/13/33/61	0/1/1/2
21	SQD	B	1852	-	-	18/35/55/69	0/1/1/1
14	CLA	v	506	13	1/1/11/20	6/13/91/115	-
18	LHG	B	1855	-	-	24/45/45/53	-
17	BCR	V	4219	-	-	2/29/63/63	0/2/2/2
18	LHG	f	1842	14	-	19/41/41/53	-
17	BCR	a	524	-	-	5/29/63/63	0/2/2/2
14	CLA	F	1301	23	1/1/11/20	2/13/91/115	-
17	BCR	L	4219	-	-	2/29/63/63	0/2/2/2
14	CLA	Z	513	13	1/1/11/20	2/13/91/115	-
21	SQD	L	5216	-	-	17/41/61/69	0/1/1/1
14	CLA	H	1226	2	1/1/13/20	7/25/103/115	-
14	CLA	v	517	-	1/1/11/20	10/13/91/115	-
14	CLA	H	1206	2	1/1/15/20	15/37/115/115	-
14	CLA	H	1211	2	1/1/13/20	8/25/103/115	-
14	CLA	Y	508	13	1/1/11/20	5/13/91/115	-
14	CLA	Z	507	-	1/1/11/20	8/13/91/115	-
14	CLA	e	1801	18	1/1/11/20	7/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	s	510	13	1/1/11/20	6/13/91/115	-
14	CLA	f	1206	2	1/1/15/20	15/37/115/115	-
18	LHG	G	5005	-	-	28/47/47/53	-
17	BCR	c	521	-	-	7/29/63/63	0/2/2/2
19	LMU	J	5105	-	-	9/13/33/61	0/1/1/2
14	CLA	a	508	13	1/1/11/20	2/13/91/115	-
14	CLA	f	1219	2	1/1/14/20	18/35/113/115	-
14	CLA	q	512	13	1/1/11/20	5/13/91/115	-
14	CLA	s	511	13	1/1/11/20	2/13/91/115	-
21	SQD	1	822	-	-	10/27/47/69	0/1/1/1
14	CLA	e	1139	23	1/1/15/20	18/37/115/115	-
14	CLA	2	508	13	1/1/11/20	2/13/91/115	-
14	CLA	A	1801	18	1/1/11/20	7/13/91/115	-
14	CLA	s	513	13	1/1/11/20	3/13/91/115	-
14	CLA	e	1108	1	1/1/12/20	14/24/102/115	-
18	LHG	A	5006	-	-	26/44/44/53	-
14	CLA	e	1132	1	1/1/15/20	16/37/115/115	-
14	CLA	b	501	13	1/1/11/20	6/13/91/115	-
14	CLA	v	513	13	1/1/11/20	3/13/91/115	-
14	CLA	1	517	-	1/1/11/20	7/13/91/115	-
22	FMN	P	170	-	-	0/18/18/18	0/3/3/3
14	CLA	Y	511	13	1/1/11/20	2/13/91/115	-
14	CLA	v	504	-	1/1/11/20	4/13/91/115	-
14	CLA	f	1235	2	1/1/15/20	7/37/115/115	-
20	LMG	B	5002	-	-	24/48/68/70	0/1/1/1
14	CLA	a	511	13	1/1/11/20	2/13/91/115	-
14	CLA	e	1013	-	1/1/15/20	13/37/115/115	-
14	CLA	c	519	13	1/1/11/20	6/13/91/115	-
14	CLA	q	516	13	1/1/11/20	12/13/91/115	-
18	LHG	f	1855	-	-	24/45/45/53	-
14	CLA	5	509	13	1/1/15/20	13/37/115/115	-
14	CLA	t	513	13	1/1/11/20	5/13/91/115	-
17	BCR	c	522	-	-	5/29/63/63	0/2/2/2
14	CLA	H	1239	2	1/1/15/20	14/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	B	4005	-	-	6/29/63/63	0/2/2/2
14	CLA	H	1207	2	1/1/15/20	16/37/115/115	-
14	CLA	3	501	13	1/1/11/20	4/13/91/115	-
18	LHG	I	5001	-	-	25/52/52/53	-
17	BCR	v	524	-	-	5/29/63/63	0/2/2/2
14	CLA	a	513	13	1/1/11/20	3/13/91/115	-
14	CLA	r	505	13	1/1/15/20	14/37/115/115	-
14	CLA	f	1232	23	1/1/13/20	6/25/103/115	-
14	CLA	a	504	-	1/1/11/20	5/13/91/115	-
17	BCR	A	4001	-	-	8/29/63/63	0/2/2/2
17	BCR	Y	523	-	-	6/29/63/63	0/2/2/2
18	LHG	L	5221	-	-	31/53/53/53	-
17	BCR	q	522	-	-	6/29/63/63	0/2/2/2
14	CLA	H	1210	2	1/1/15/20	20/37/115/115	-
14	CLA	f	1202	2	1/1/15/20	12/37/115/115	-
14	CLA	V	1501	10	1/1/14/20	9/31/109/115	-
21	SQD	f	1852	-	-	18/35/55/69	0/1/1/1
14	CLA	A	1126	1	1/1/15/20	18/37/115/115	-
14	CLA	l	1302	8	1/1/13/20	12/25/103/115	-
14	CLA	2	504	-	1/1/11/20	7/13/91/115	-
17	BCR	B	4010	-	-	7/29/63/63	0/2/2/2
14	CLA	B	1221	23	1/1/14/20	14/34/112/115	-
14	CLA	A	1140	1	1/1/15/20	12/37/115/115	-
14	CLA	G	1801	18	1/1/11/20	7/13/91/115	-
14	CLA	e	1128	1	1/1/15/20	10/37/115/115	-
14	CLA	t	510	13	1/1/11/20	5/13/91/115	-
14	CLA	e	1121	1	1/1/13/20	8/25/103/115	-
17	BCR	J	4012	-	-	9/29/63/63	0/2/2/2
14	CLA	u	511	13	1/1/11/20	3/13/91/115	-
17	BCR	K	4104	-	-	2/29/63/63	0/2/2/2
14	CLA	A	1123	23	1/1/15/20	11/37/115/115	-
14	CLA	f	1223	2	1/1/15/20	10/37/115/115	-
17	BCR	H	4009	-	-	1/29/63/63	0/2/2/2
14	CLA	v	519	13	1/1/11/20	6/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	LHG	k	5001	-	-	25/52/52/53	-
20	LMG	J	5104	-	-	13/27/47/70	0/1/1/1
14	CLA	4	501	13	1/1/11/20	6/13/91/115	-
14	CLA	G	1125	1	1/1/15/20	12/37/115/115	-
14	CLA	v	503	13	1/1/11/20	6/13/91/115	-
14	CLA	u	507	-	1/1/11/20	7/13/91/115	-
14	CLA	v	507	-	1/1/11/20	5/13/91/115	-
18	LHG	G	5006	-	-	26/44/44/53	-
14	CLA	G	1131	1	1/1/15/20	6/37/115/115	-
17	BCR	U	4104	-	-	2/29/63/63	0/2/2/2
14	CLA	2	517	-	-	7/13/91/115	-
14	CLA	B	1206	2	1/1/15/20	15/37/115/115	-
14	CLA	d	512	13	1/1/11/20	7/13/91/115	-
17	BCR	5	524	-	-	2/29/63/63	0/2/2/2
14	CLA	H	1214	2	1/1/15/20	12/37/115/115	-
18	LHG	V	5221	-	-	31/53/53/53	-
19	LMU	f	1843	-	-	12/21/61/61	0/2/2/2
14	CLA	e	1140	1	1/1/15/20	12/37/115/115	-
14	CLA	3	508	13	1/1/11/20	2/13/91/115	-
14	CLA	4	509	13	1/1/11/20	6/13/91/115	-
14	CLA	H	1221	23	1/1/14/20	14/34/112/115	-
14	CLA	A	1116	1	1/1/14/20	9/31/109/115	-
14	CLA	r	509	13	1/1/15/20	4/37/115/115	-
16	SF4	e	3001	2,1	-	-	0/6/5/5
14	CLA	4	505	13	1/1/11/20	3/13/91/115	-
14	CLA	f	1221	23	1/1/14/20	14/34/112/115	-
14	CLA	e	1115	1	1/1/14/20	10/31/109/115	-
14	CLA	V	1503	23	1/1/14/20	10/31/109/115	-
14	CLA	H	1213	2	1/1/14/20	11/33/111/115	-
17	BCR	Z	521	-	-	4/29/63/63	0/2/2/2
22	FMN	X	170	-	-	0/18/18/18	0/3/3/3
14	CLA	Y	504	-	1/1/11/20	5/13/91/115	-
14	CLA	A	1102	1	1/1/13/20	7/25/103/115	-
14	CLA	V	1502	10	1/1/15/20	8/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A	1022	23	1/1/15/20	9/37/115/115	-
14	CLA	e	1107	1	1/1/15/20	14/37/115/115	-
14	CLA	B	1238	23	1/1/15/20	4/37/115/115	-
14	CLA	B	1228	2	1/1/13/20	6/25/103/115	-
14	CLA	G	1105	1	1/1/13/20	8/25/103/115	-
14	CLA	B	1225	2	1/1/15/20	7/37/115/115	-
14	CLA	Z	508	13	1/1/11/20	2/13/91/115	-
17	BCR	4	524	-	-	4/29/63/63	0/2/2/2
19	LMU	A	1848	-	-	7/21/61/61	0/2/2/2
14	CLA	2	513	13	1/1/11/20	2/13/91/115	-
14	CLA	f	1239	2	1/1/15/20	14/37/115/115	-
17	BCR	l	4012	-	-	9/29/63/63	0/2/2/2
14	CLA	u	513	13	1/1/11/20	5/13/91/115	-
14	CLA	q	502	13	1/1/11/20	2/13/91/115	-
21	SQD	5	822	-	-	3/19/39/69	0/1/1/1
14	CLA	G	1132	1	1/1/15/20	16/37/115/115	-
14	CLA	G	1118	1	1/1/14/20	8/31/109/115	-
14	CLA	5	507	-	1/1/11/20	7/13/91/115	-
17	BCR	f	4005	-	-	6/29/63/63	0/2/2/2
14	CLA	f	1240	18	1/1/15/20	13/37/115/115	-
17	BCR	B	4004	-	-	8/29/63/63	0/2/2/2
17	BCR	l	523	-	-	6/29/63/63	0/2/2/2
14	CLA	H	1227	2	1/1/14/20	11/31/109/115	-
17	BCR	v	522	-	-	5/29/63/63	0/2/2/2
14	CLA	b	507	-	1/1/11/20	6/13/91/115	-
14	CLA	B	1210	2	1/1/15/20	20/37/115/115	-
14	CLA	L	1503	23	1/1/14/20	10/31/109/115	-
14	CLA	u	510	13	1/1/11/20	7/13/91/115	-
14	CLA	a	518	13	1/1/13/20	9/25/103/115	-
14	CLA	s	505	13	1/1/13/20	11/25/103/115	-
14	CLA	d	516	13	1/1/11/20	9/13/91/115	-
18	LHG	e	5002	-	-	22/47/47/53	-
14	CLA	u	517	-	1/1/11/20	10/13/91/115	-
14	CLA	6	516	13	1/1/11/20	9/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	LMU	e	1849	-	-	6/14/34/61	0/1/1/2
14	CLA	G	1116	1	1/1/14/20	9/31/109/115	-
14	CLA	e	1104	1	1/1/15/20	10/37/115/115	-
14	CLA	A	1117	1	1/1/15/20	12/37/115/115	-
17	BCR	s	523	-	-	4/29/63/63	0/2/2/2
21	SQD	v	822	-	-	7/19/39/69	0/1/1/1
14	CLA	1	518	13	1/1/11/20	6/13/91/115	-
17	BCR	l	4013	-	-	4/29/63/63	0/2/2/2
21	SQD	Z	822	-	-	7/22/42/69	0/1/1/1
14	CLA	t	505	13	1/1/11/20	3/13/91/115	-
14	CLA	A	1013	-	1/1/15/20	13/37/115/115	-
14	CLA	H	1229	2	1/1/15/20	12/37/115/115	-
14	CLA	r	516	13	-	6/13/91/115	-
14	CLA	b	518	13	1/1/11/20	4/13/91/115	-
15	PQN	H	2002	-	-	6/23/43/43	0/2/2/2
14	CLA	s	501	13	1/1/11/20	4/13/91/115	-
17	BCR	f	4017	-	-	2/29/63/63	0/2/2/2
14	CLA	c	506	13	1/1/11/20	6/13/91/115	-
14	CLA	6	503	13	1/1/11/20	6/13/91/115	-
14	CLA	v	511	13	1/1/11/20	5/13/91/115	-
14	CLA	6	512	13	1/1/11/20	7/13/91/115	-
17	BCR	f	4004	-	-	8/29/63/63	0/2/2/2
14	CLA	1	511	13	1/1/11/20	2/13/91/115	-
14	CLA	Y	507	-	1/1/11/20	6/13/91/115	-
17	BCR	I	4018	-	-	0/29/63/63	0/2/2/2
14	CLA	Z	517	-	-	7/13/91/115	-
14	CLA	B	1235	2	1/1/15/20	7/37/115/115	-
17	BCR	a	523	-	-	4/29/63/63	0/2/2/2
14	CLA	f	1210	2	1/1/15/20	20/37/115/115	-
14	CLA	q	503	13	1/1/11/20	7/13/91/115	-
14	CLA	e	1101	1	1/1/15/20	18/37/115/115	-
14	CLA	3	518	13	1/1/13/20	9/25/103/115	-
17	BCR	A	4007	-	-	0/29/63/63	0/2/2/2
14	CLA	b	511	13	1/1/11/20	3/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	f	1216	23	1/1/14/20	11/31/109/115	-
14	CLA	1	513	13	1/1/11/20	4/13/91/115	-
17	BCR	5	522	-	-	5/29/63/63	0/2/2/2
14	CLA	s	517	-	1/1/11/20	7/13/91/115	-
14	CLA	e	1125	1	1/1/15/20	12/37/115/115	-
14	CLA	A	1114	23	1/1/11/20	3/13/91/115	-
14	CLA	H	1240	18	1/1/15/20	13/37/115/115	-
14	CLA	H	1225	2	1/1/15/20	7/37/115/115	-
14	CLA	3	513	13	1/1/11/20	3/13/91/115	-
14	CLA	A	1139	23	1/1/15/20	18/37/115/115	-
14	CLA	A	1109	1	1/1/15/20	14/37/115/115	-
18	LHG	e	5001	-	-	23/53/53/53	-
14	CLA	e	1118	1	1/1/14/20	8/31/109/115	-
14	CLA	3	511	13	1/1/11/20	2/13/91/115	-
18	LHG	e	5003	14	-	17/44/44/53	-
14	CLA	A	1134	1	1/1/13/20	9/27/105/115	-
14	CLA	B	1212	2	1/1/12/20	8/21/99/115	-
14	CLA	Y	506	13	1/1/11/20	5/13/91/115	-
14	CLA	G	1115	1	1/1/14/20	11/31/109/115	-
14	CLA	H	1234	2	1/1/15/20	15/37/115/115	-
19	LMU	A	1849	-	-	6/14/34/61	0/1/1/2
14	CLA	f	1211	2	1/1/13/20	8/25/103/115	-

All (5009) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	G	2001	PQN	C12-C13	8.46	1.53	1.33
15	A	2001	PQN	C12-C13	8.44	1.53	1.33
15	e	2001	PQN	C12-C13	8.44	1.53	1.33
15	B	2002	PQN	C12-C13	8.38	1.53	1.33
15	H	2002	PQN	C12-C13	8.38	1.53	1.33
15	f	2002	PQN	C12-C13	8.37	1.53	1.33
15	f	2002	PQN	O1-C1	7.94	1.40	1.23
15	H	2002	PQN	O1-C1	7.93	1.40	1.23
15	B	2002	PQN	O1-C1	7.93	1.40	1.23
14	t	504	CLA	C4B-NB	7.59	1.42	1.35
14	t	501	CLA	C4B-NB	7.56	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	G	2001	PQN	O1-C1	7.55	1.39	1.23
15	A	2001	PQN	O1-C1	7.55	1.39	1.23
14	v	513	CLA	C4B-NB	7.54	1.41	1.35
14	b	501	CLA	C4B-NB	7.54	1.41	1.35
15	e	2001	PQN	O1-C1	7.53	1.39	1.23
14	a	517	CLA	C4B-NB	7.52	1.41	1.35
14	G	1101	CLA	C4B-NB	7.50	1.41	1.35
14	4	504	CLA	C4B-NB	7.49	1.41	1.35
14	4	501	CLA	C4B-NB	7.49	1.41	1.35
14	e	1101	CLA	C4B-NB	7.49	1.41	1.35
14	t	509	CLA	C4B-NB	7.46	1.41	1.35
14	u	517	CLA	C4B-NB	7.46	1.41	1.35
14	6	513	CLA	C4B-NB	7.45	1.41	1.35
14	A	1101	CLA	C4B-NB	7.44	1.41	1.35
14	b	513	CLA	C4B-NB	7.44	1.41	1.35
14	5	513	CLA	C4B-NB	7.43	1.41	1.35
14	d	513	CLA	C4B-NB	7.43	1.41	1.35
14	s	512	CLA	C4B-NB	7.43	1.41	1.35
14	c	517	CLA	C4B-NB	7.42	1.41	1.35
14	s	506	CLA	C4B-NB	7.41	1.41	1.35
14	s	517	CLA	C4B-NB	7.41	1.41	1.35
14	4	509	CLA	C4B-NB	7.41	1.41	1.35
14	b	504	CLA	C4B-NB	7.41	1.41	1.35
14	l	1303	CLA	C4B-NB	7.41	1.41	1.35
14	b	509	CLA	C4B-NB	7.40	1.41	1.35
14	3	506	CLA	C4B-NB	7.40	1.41	1.35
14	u	513	CLA	C4B-NB	7.40	1.41	1.35
14	3	517	CLA	C4B-NB	7.40	1.41	1.35
14	b	502	CLA	C4B-NB	7.40	1.41	1.35
14	c	513	CLA	C4B-NB	7.39	1.41	1.35
14	m	1105	CLA	C4B-NB	7.38	1.41	1.35
14	4	502	CLA	C4B-NB	7.38	1.41	1.35
14	b	506	CLA	C4B-NB	7.37	1.41	1.35
14	4	513	CLA	C4B-NB	7.36	1.41	1.35
14	v	511	CLA	C4B-NB	7.36	1.41	1.35
14	a	513	CLA	C4B-NB	7.36	1.41	1.35
14	T	1303	CLA	C4B-NB	7.35	1.41	1.35
14	3	512	CLA	C4B-NB	7.35	1.41	1.35
14	c	516	CLA	C4B-NB	7.34	1.41	1.35
14	q	506	CLA	C4B-NB	7.34	1.41	1.35
14	5	517	CLA	C4B-NB	7.34	1.41	1.35
14	4	506	CLA	C4B-NB	7.34	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	6	512	CLA	C4B-NB	7.34	1.41	1.35
14	a	512	CLA	C4B-NB	7.34	1.41	1.35
14	A	1114	CLA	C4B-NB	7.33	1.41	1.35
14	t	513	CLA	C4B-NB	7.33	1.41	1.35
14	s	513	CLA	C4B-NB	7.33	1.41	1.35
14	u	516	CLA	C4B-NB	7.33	1.41	1.35
14	G	1114	CLA	C4B-NB	7.33	1.41	1.35
14	e	1114	CLA	C4B-NB	7.32	1.41	1.35
14	K	1105	CLA	C4B-NB	7.32	1.41	1.35
14	t	502	CLA	C4B-NB	7.32	1.41	1.35
14	2	512	CLA	C4B-NB	7.32	1.41	1.35
14	d	516	CLA	C4B-NB	7.32	1.41	1.35
14	s	504	CLA	C4B-NB	7.32	1.41	1.35
14	Y	506	CLA	C4B-NB	7.32	1.41	1.35
14	5	516	CLA	C4B-NB	7.32	1.41	1.35
14	v	516	CLA	C4B-NB	7.32	1.41	1.35
14	a	506	CLA	C4B-NB	7.31	1.41	1.35
14	u	503	CLA	C4B-NB	7.31	1.41	1.35
14	J	1303	CLA	C4B-NB	7.31	1.41	1.35
14	H	1219	CLA	C4B-NB	7.31	1.41	1.35
14	u	519	CLA	C4B-NB	7.31	1.41	1.35
14	B	1219	CLA	C4B-NB	7.30	1.41	1.35
14	6	516	CLA	C4B-NB	7.30	1.41	1.35
14	Z	512	CLA	C4B-NB	7.30	1.41	1.35
14	U	1105	CLA	C4B-NB	7.29	1.41	1.35
14	d	512	CLA	C4B-NB	7.29	1.41	1.35
14	H	1217	CLA	C4B-NB	7.29	1.41	1.35
14	t	506	CLA	C4B-NB	7.29	1.41	1.35
14	u	502	CLA	C4B-NB	7.29	1.41	1.35
14	1	506	CLA	C4B-NB	7.29	1.41	1.35
14	Y	504	CLA	C4B-NB	7.29	1.41	1.35
14	1	504	CLA	C4B-NB	7.29	1.41	1.35
14	2	504	CLA	C4B-NB	7.29	1.41	1.35
14	6	510	CLA	C4B-NB	7.29	1.41	1.35
14	t	503	CLA	C4B-NB	7.29	1.41	1.35
14	2	513	CLA	C4B-NB	7.28	1.41	1.35
14	b	511	CLA	C4B-NB	7.28	1.41	1.35
14	5	503	CLA	C4B-NB	7.28	1.41	1.35
14	B	1217	CLA	C4B-NB	7.28	1.41	1.35
14	b	517	CLA	C4B-NB	7.28	1.41	1.35
14	v	512	CLA	C4B-NB	7.28	1.41	1.35
14	6	511	CLA	C4B-NB	7.28	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	504	CLA	C4B-NB	7.28	1.41	1.35
14	r	504	CLA	C4B-NB	7.28	1.41	1.35
14	r	512	CLA	C4B-NB	7.28	1.41	1.35
14	t	516	CLA	C4B-NB	7.28	1.41	1.35
14	3	513	CLA	C4B-NB	7.27	1.41	1.35
14	v	509	CLA	C4B-NB	7.27	1.41	1.35
14	H	1236	CLA	C4B-NB	7.27	1.41	1.35
14	t	511	CLA	C4B-NB	7.27	1.41	1.35
14	6	509	CLA	C4B-NB	7.27	1.41	1.35
14	u	504	CLA	C4B-NB	7.27	1.41	1.35
14	f	1219	CLA	C4B-NB	7.26	1.41	1.35
14	1	513	CLA	C4B-NB	7.26	1.41	1.35
14	Y	513	CLA	C4B-NB	7.26	1.41	1.35
14	4	516	CLA	C4B-NB	7.26	1.41	1.35
14	c	503	CLA	C4B-NB	7.26	1.41	1.35
14	f	1217	CLA	C4B-NB	7.26	1.41	1.35
14	Z	506	CLA	C4B-NB	7.25	1.41	1.35
14	Z	513	CLA	C4B-NB	7.25	1.41	1.35
14	b	516	CLA	C4B-NB	7.25	1.41	1.35
14	B	1236	CLA	C4B-NB	7.25	1.41	1.35
15	A	2001	PQN	O4-C4	7.25	1.38	1.23
14	a	504	CLA	C4B-NB	7.25	1.41	1.35
14	q	510	CLA	C4B-NB	7.25	1.41	1.35
14	2	506	CLA	C4B-NB	7.25	1.41	1.35
14	3	504	CLA	C4B-NB	7.25	1.41	1.35
14	r	517	CLA	C4B-NB	7.24	1.41	1.35
15	e	2001	PQN	O4-C4	7.24	1.38	1.23
14	v	510	CLA	C4B-NB	7.24	1.41	1.35
14	3	501	CLA	C4B-NB	7.24	1.41	1.35
15	G	2001	PQN	O4-C4	7.24	1.38	1.23
14	d	509	CLA	C4B-NB	7.24	1.41	1.35
14	5	502	CLA	C4B-NB	7.23	1.41	1.35
14	5	519	CLA	C4B-NB	7.23	1.41	1.35
14	Y	518	CLA	C4B-NB	7.23	1.41	1.35
14	c	502	CLA	C4B-NB	7.23	1.41	1.35
14	r	513	CLA	C4B-NB	7.23	1.41	1.35
14	s	501	CLA	C4B-NB	7.23	1.41	1.35
14	Z	504	CLA	C4B-NB	7.23	1.41	1.35
14	Y	519	CLA	C4B-NB	7.23	1.41	1.35
14	q	519	CLA	C4B-NB	7.23	1.41	1.35
14	d	511	CLA	C4B-NB	7.22	1.41	1.35
14	r	516	CLA	C4B-NB	7.22	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	516	CLA	C4B-NB	7.22	1.41	1.35
14	6	508	CLA	C4B-NB	7.21	1.41	1.35
14	q	513	CLA	C4B-NB	7.21	1.41	1.35
14	c	519	CLA	C4B-NB	7.21	1.41	1.35
14	4	517	CLA	C4B-NB	7.21	1.41	1.35
14	Z	516	CLA	C4B-NB	7.20	1.41	1.35
14	5	504	CLA	C4B-NB	7.20	1.41	1.35
14	4	503	CLA	C4B-NB	7.20	1.41	1.35
14	d	510	CLA	C4B-NB	7.20	1.41	1.35
14	q	501	CLA	C4B-NB	7.20	1.41	1.35
14	1	519	CLA	C4B-NB	7.19	1.41	1.35
14	4	511	CLA	C4B-NB	7.19	1.41	1.35
14	q	507	CLA	C4B-NB	7.19	1.41	1.35
14	6	501	CLA	C4B-NB	7.19	1.41	1.35
14	d	506	CLA	C4B-NB	7.19	1.41	1.35
14	6	506	CLA	C4B-NB	7.18	1.41	1.35
14	c	504	CLA	C4B-NB	7.18	1.41	1.35
14	t	512	CLA	C4B-NB	7.18	1.41	1.35
14	1	510	CLA	C4B-NB	7.18	1.41	1.35
14	1	518	CLA	C4B-NB	7.18	1.41	1.35
14	v	504	CLA	C4B-NB	7.18	1.41	1.35
14	3	509	CLA	C4B-NB	7.18	1.41	1.35
14	a	509	CLA	C4B-NB	7.17	1.41	1.35
14	f	1236	CLA	C4B-NB	7.17	1.41	1.35
14	a	502	CLA	C4B-NB	7.16	1.41	1.35
14	t	517	CLA	C4B-NB	7.16	1.41	1.35
14	s	511	CLA	C4B-NB	7.16	1.41	1.35
14	Y	517	CLA	C4B-NB	7.16	1.41	1.35
14	q	518	CLA	C4B-NB	7.16	1.41	1.35
14	b	512	CLA	C4B-NB	7.16	1.41	1.35
14	Y	501	CLA	C4B-NB	7.16	1.41	1.35
14	b	503	CLA	C4B-NB	7.16	1.41	1.35
14	v	506	CLA	C4B-NB	7.16	1.41	1.35
14	r	506	CLA	C4B-NB	7.16	1.41	1.35
14	b	519	CLA	C4B-NB	7.15	1.41	1.35
14	v	501	CLA	C4B-NB	7.15	1.41	1.35
14	d	501	CLA	C4B-NB	7.15	1.41	1.35
14	1	507	CLA	C4B-NB	7.15	1.41	1.35
14	1	501	CLA	C4B-NB	7.15	1.41	1.35
14	u	518	CLA	C4B-NB	7.15	1.41	1.35
14	4	512	CLA	C4B-NB	7.14	1.41	1.35
14	6	507	CLA	C4B-NB	7.14	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	517	CLA	C4B-NB	7.14	1.41	1.35
14	Y	510	CLA	C4B-NB	7.14	1.41	1.35
14	s	509	CLA	C4B-NB	7.14	1.41	1.35
14	5	511	CLA	C4B-NB	7.14	1.41	1.35
14	v	519	CLA	C4B-NB	7.14	1.41	1.35
14	t	508	CLA	C4B-NB	7.13	1.41	1.35
14	Y	512	CLA	C4B-NB	7.13	1.41	1.35
14	4	519	CLA	C4B-NB	7.13	1.41	1.35
14	a	501	CLA	C4B-NB	7.13	1.41	1.35
14	d	508	CLA	C4B-NB	7.13	1.41	1.35
14	Y	503	CLA	C4B-NB	7.12	1.41	1.35
14	Y	507	CLA	C4B-NB	7.12	1.41	1.35
14	3	502	CLA	C4B-NB	7.12	1.41	1.35
14	4	505	CLA	C4B-NB	7.12	1.41	1.35
14	c	511	CLA	C4B-NB	7.12	1.41	1.35
14	1	512	CLA	C4B-NB	7.12	1.41	1.35
14	u	511	CLA	C4B-NB	7.12	1.41	1.35
14	v	508	CLA	C4B-NB	7.12	1.41	1.35
14	V	1501	CLA	C4B-NB	7.11	1.41	1.35
14	b	505	CLA	C4B-NB	7.11	1.41	1.35
14	r	519	CLA	C4B-NB	7.11	1.41	1.35
14	v	507	CLA	C4B-NB	7.11	1.41	1.35
14	6	519	CLA	C4B-NB	7.10	1.41	1.35
14	1	503	CLA	C4B-NB	7.10	1.41	1.35
14	q	512	CLA	C4B-NB	7.10	1.41	1.35
14	1	517	CLA	C4B-NB	7.10	1.41	1.35
14	3	511	CLA	C4B-NB	7.10	1.41	1.35
14	d	502	CLA	C4B-NB	7.10	1.41	1.35
14	2	519	CLA	C4B-NB	7.10	1.41	1.35
14	t	505	CLA	C4B-NB	7.10	1.41	1.35
14	6	504	CLA	C4B-NB	7.10	1.41	1.35
14	6	518	CLA	C4B-NB	7.10	1.41	1.35
14	Z	517	CLA	C4B-NB	7.10	1.41	1.35
14	t	519	CLA	C4B-NB	7.09	1.41	1.35
14	5	518	CLA	C4B-NB	7.09	1.41	1.35
14	s	502	CLA	C4B-NB	7.09	1.41	1.35
14	b	508	CLA	C4B-NB	7.09	1.41	1.35
14	d	519	CLA	C4B-NB	7.09	1.41	1.35
14	s	508	CLA	C4B-NB	7.09	1.41	1.35
14	s	507	CLA	C4B-NB	7.09	1.41	1.35
14	3	508	CLA	C4B-NB	7.09	1.41	1.35
14	4	508	CLA	C4B-NB	7.09	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	u	501	CLA	C4B-NB	7.09	1.41	1.35
14	f	1209	CLA	C4B-NB	7.08	1.41	1.35
14	s	516	CLA	C4B-NB	7.08	1.41	1.35
14	u	508	CLA	C4B-NB	7.08	1.41	1.35
14	a	508	CLA	C4B-NB	7.08	1.41	1.35
14	H	1209	CLA	C4B-NB	7.07	1.41	1.35
14	Y	502	CLA	C4B-NB	7.07	1.41	1.35
14	t	518	CLA	C4B-NB	7.07	1.41	1.35
14	H	1216	CLA	C4B-NB	7.07	1.41	1.35
14	3	516	CLA	C4B-NB	7.07	1.41	1.35
14	q	517	CLA	C4B-NB	7.07	1.41	1.35
14	6	503	CLA	C4B-NB	7.06	1.41	1.35
14	d	504	CLA	C4B-NB	7.06	1.41	1.35
14	B	1209	CLA	C4B-NB	7.06	1.41	1.35
14	c	508	CLA	C4B-NB	7.06	1.41	1.35
14	c	518	CLA	C4B-NB	7.06	1.41	1.35
14	q	502	CLA	C4B-NB	7.06	1.41	1.35
14	q	509	CLA	C4B-NB	7.06	1.41	1.35
14	B	1216	CLA	C4B-NB	7.06	1.41	1.35
14	a	511	CLA	C4B-NB	7.06	1.41	1.35
14	v	518	CLA	C4B-NB	7.06	1.41	1.35
14	5	501	CLA	C4B-NB	7.06	1.41	1.35
14	4	518	CLA	C4B-NB	7.05	1.41	1.35
14	5	508	CLA	C4B-NB	7.05	1.41	1.35
14	3	503	CLA	C4B-NB	7.05	1.41	1.35
14	a	516	CLA	C4B-NB	7.05	1.41	1.35
14	q	503	CLA	C4B-NB	7.05	1.41	1.35
14	r	502	CLA	C4B-NB	7.05	1.41	1.35
14	2	511	CLA	C4B-NB	7.05	1.41	1.35
14	c	509	CLA	C4B-NB	7.05	1.41	1.35
14	v	502	CLA	C4B-NB	7.05	1.41	1.35
14	Z	519	CLA	C4B-NB	7.05	1.41	1.35
14	n	1501	CLA	C4B-NB	7.05	1.41	1.35
14	B	1240	CLA	C4B-NB	7.05	1.41	1.35
14	2	502	CLA	C4B-NB	7.05	1.41	1.35
14	Z	511	CLA	C4B-NB	7.05	1.41	1.35
14	d	507	CLA	C4B-NB	7.04	1.41	1.35
14	f	1240	CLA	C4B-NB	7.04	1.41	1.35
14	Z	509	CLA	C4B-NB	7.04	1.41	1.35
14	f	1216	CLA	C4B-NB	7.04	1.41	1.35
14	b	518	CLA	C4B-NB	7.04	1.41	1.35
14	L	1501	CLA	C4B-NB	7.04	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	503	CLA	C4B-NB	7.04	1.41	1.35
14	d	518	CLA	C4B-NB	7.03	1.41	1.35
14	v	517	CLA	C4B-NB	7.03	1.41	1.35
14	1	502	CLA	C4B-NB	7.03	1.41	1.35
14	5	509	CLA	C4B-NB	7.03	1.41	1.35
14	r	508	CLA	C4B-NB	7.03	1.41	1.35
14	R	1302	CLA	C4B-NB	7.03	1.41	1.35
14	5	512	CLA	C4B-NB	7.02	1.41	1.35
14	2	501	CLA	C4B-NB	7.02	1.41	1.35
14	G	1128	CLA	C4B-NB	7.02	1.41	1.35
14	s	510	CLA	C4B-NB	7.02	1.41	1.35
14	u	507	CLA	C4B-NB	7.02	1.41	1.35
14	c	512	CLA	C4B-NB	7.02	1.41	1.35
14	Z	508	CLA	C4B-NB	7.02	1.41	1.35
14	2	509	CLA	C4B-NB	7.01	1.41	1.35
14	Z	502	CLA	C4B-NB	7.01	1.41	1.35
14	c	501	CLA	C4B-NB	7.01	1.41	1.35
14	2	508	CLA	C4B-NB	7.01	1.41	1.35
14	6	502	CLA	C4B-NB	7.01	1.41	1.35
14	u	509	CLA	C4B-NB	7.01	1.41	1.35
14	r	501	CLA	C4B-NB	7.01	1.41	1.35
14	r	511	CLA	C4B-NB	7.01	1.41	1.35
14	5	506	CLA	C4B-NB	7.01	1.41	1.35
14	v	503	CLA	C4B-NB	7.01	1.41	1.35
14	1	509	CLA	C4B-NB	7.00	1.41	1.35
14	a	503	CLA	C4B-NB	7.00	1.41	1.35
14	5	507	CLA	C4B-NB	7.00	1.41	1.35
14	3	507	CLA	C4B-NB	7.00	1.41	1.35
14	5	505	CLA	C4B-NB	7.00	1.41	1.35
14	H	1218	CLA	C4B-NB	6.99	1.41	1.35
14	s	503	CLA	C4B-NB	6.99	1.41	1.35
14	Y	505	CLA	C4B-NB	6.99	1.41	1.35
14	a	519	CLA	C4B-NB	6.99	1.41	1.35
14	c	507	CLA	C4B-NB	6.99	1.41	1.35
14	q	511	CLA	C4B-NB	6.99	1.41	1.35
14	u	512	CLA	C4B-NB	6.99	1.41	1.35
14	a	507	CLA	C4B-NB	6.98	1.41	1.35
14	c	505	CLA	C4B-NB	6.98	1.41	1.35
14	Z	510	CLA	C4B-NB	6.98	1.41	1.35
14	c	506	CLA	C4B-NB	6.98	1.41	1.35
14	J	1302	CLA	C4B-NB	6.98	1.41	1.35
14	c	510	CLA	C4B-NB	6.98	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	505	CLA	C4B-NB	6.98	1.41	1.35
14	H	1240	CLA	C4B-NB	6.98	1.41	1.35
14	2	510	CLA	C4B-NB	6.97	1.41	1.35
14	q	505	CLA	C4B-NB	6.97	1.41	1.35
14	u	505	CLA	C4B-NB	6.97	1.41	1.35
14	3	510	CLA	C4B-NB	6.97	1.41	1.35
14	e	1128	CLA	C4B-NB	6.97	1.41	1.35
14	a	510	CLA	C4B-NB	6.96	1.41	1.35
14	u	510	CLA	C4B-NB	6.96	1.41	1.35
14	B	1226	CLA	C4B-NB	6.96	1.41	1.35
14	Y	509	CLA	C4B-NB	6.96	1.41	1.35
14	f	1230	CLA	C4B-NB	6.95	1.41	1.35
14	6	517	CLA	C4B-NB	6.95	1.41	1.35
15	B	2002	PQN	O4-C4	6.95	1.37	1.23
14	u	506	CLA	C4B-NB	6.95	1.41	1.35
14	Z	501	CLA	C4B-NB	6.95	1.41	1.35
14	r	509	CLA	C4B-NB	6.95	1.41	1.35
14	B	1218	CLA	C4B-NB	6.95	1.41	1.35
14	f	1213	CLA	C4B-NB	6.94	1.41	1.35
14	F	1302	CLA	C4B-NB	6.94	1.41	1.35
15	H	2002	PQN	O4-C4	6.94	1.37	1.23
14	q	508	CLA	C4B-NB	6.94	1.41	1.35
14	5	510	CLA	C4B-NB	6.94	1.41	1.35
14	6	505	CLA	C4B-NB	6.94	1.41	1.35
14	1	508	CLA	C4B-NB	6.93	1.41	1.35
14	f	1201	CLA	C4B-NB	6.93	1.41	1.35
14	T	1302	CLA	C4B-NB	6.93	1.41	1.35
14	e	1116	CLA	C4B-NB	6.93	1.41	1.35
15	f	2002	PQN	O4-C4	6.93	1.37	1.23
14	G	1108	CLA	C4B-NB	6.93	1.41	1.35
14	A	1134	CLA	C4B-NB	6.93	1.41	1.35
14	1	511	CLA	C4B-NB	6.93	1.41	1.35
14	l	1302	CLA	C4B-NB	6.93	1.41	1.35
14	v	505	CLA	C4B-NB	6.93	1.41	1.35
14	d	505	CLA	C4B-NB	6.92	1.41	1.35
14	a	518	CLA	C4B-NB	6.92	1.41	1.35
14	e	1134	CLA	C4B-NB	6.92	1.41	1.35
14	A	1128	CLA	C4B-NB	6.92	1.41	1.35
14	Y	508	CLA	C4B-NB	6.92	1.41	1.35
14	s	518	CLA	C4B-NB	6.91	1.41	1.35
14	4	510	CLA	C4B-NB	6.91	1.41	1.35
14	r	503	CLA	C4B-NB	6.91	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	1218	CLA	C4B-NB	6.91	1.41	1.35
14	H	1201	CLA	C4B-NB	6.91	1.41	1.35
14	Y	511	CLA	C4B-NB	6.91	1.41	1.35
14	3	518	CLA	C4B-NB	6.91	1.41	1.35
14	d	517	CLA	C4B-NB	6.90	1.41	1.35
14	A	1108	CLA	C4B-NB	6.90	1.41	1.35
14	3	519	CLA	C4B-NB	6.90	1.41	1.35
14	H	1230	CLA	C4B-NB	6.90	1.41	1.35
14	B	1213	CLA	C4B-NB	6.90	1.41	1.35
14	B	1201	CLA	C4B-NB	6.90	1.41	1.35
14	Z	518	CLA	C4B-NB	6.90	1.41	1.35
14	H	1214	CLA	C4B-NB	6.89	1.41	1.35
14	m	1401	CLA	C4B-NB	6.89	1.41	1.35
14	B	1214	CLA	C4B-NB	6.89	1.41	1.35
14	G	1116	CLA	C4B-NB	6.89	1.41	1.35
14	e	1108	CLA	C4B-NB	6.89	1.41	1.35
14	s	519	CLA	C4B-NB	6.89	1.41	1.35
14	r	510	CLA	C4B-NB	6.88	1.41	1.35
14	B	1208	CLA	C4B-NB	6.88	1.41	1.35
14	2	503	CLA	C4B-NB	6.88	1.41	1.35
14	H	1213	CLA	C4B-NB	6.87	1.41	1.35
14	G	1134	CLA	C4B-NB	6.87	1.41	1.35
14	Z	503	CLA	C4B-NB	6.87	1.41	1.35
14	f	1208	CLA	C4B-NB	6.87	1.41	1.35
14	f	1226	CLA	C4B-NB	6.87	1.41	1.35
14	A	1116	CLA	C4B-NB	6.87	1.41	1.35
14	2	518	CLA	C4B-NB	6.86	1.41	1.35
14	j	1302	CLA	C4B-NB	6.86	1.41	1.35
14	B	1230	CLA	C4B-NB	6.86	1.41	1.35
14	H	1208	CLA	C4B-NB	6.86	1.41	1.35
14	K	1401	CLA	C4B-NB	6.86	1.41	1.35
14	q	516	CLA	C4B-NB	6.85	1.41	1.35
14	H	1226	CLA	C4B-NB	6.85	1.41	1.35
14	e	1139	CLA	C4B-NB	6.85	1.41	1.35
14	l	516	CLA	C4B-NB	6.84	1.41	1.35
14	b	510	CLA	C4B-NB	6.84	1.41	1.35
14	t	510	CLA	C4B-NB	6.84	1.41	1.35
14	t	507	CLA	C4B-NB	6.84	1.41	1.35
14	G	1102	CLA	C4B-NB	6.83	1.41	1.35
14	r	518	CLA	C4B-NB	6.83	1.41	1.35
14	4	507	CLA	C4B-NB	6.82	1.41	1.35
14	U	1401	CLA	C4B-NB	6.82	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1102	CLA	C4B-NB	6.82	1.41	1.35
14	Y	516	CLA	C4B-NB	6.82	1.41	1.35
14	A	1102	CLA	C4B-NB	6.82	1.41	1.35
14	A	1140	CLA	C4B-NB	6.82	1.41	1.35
14	H	1224	CLA	C4B-NB	6.81	1.41	1.35
14	A	1139	CLA	C4B-NB	6.81	1.41	1.35
14	f	1214	CLA	C4B-NB	6.81	1.41	1.35
14	2	507	CLA	C4B-NB	6.81	1.41	1.35
14	H	1235	CLA	C4B-NB	6.80	1.41	1.35
14	B	1224	CLA	C4B-NB	6.80	1.41	1.35
14	G	1139	CLA	C4B-NB	6.79	1.41	1.35
14	G	1140	CLA	C4B-NB	6.79	1.41	1.35
14	b	507	CLA	C4B-NB	6.78	1.41	1.35
14	Z	507	CLA	C4B-NB	6.77	1.41	1.35
14	r	507	CLA	C4B-NB	6.77	1.41	1.35
14	e	1110	CLA	C4B-NB	6.77	1.41	1.35
14	e	1140	CLA	C4B-NB	6.76	1.41	1.35
14	f	1232	CLA	C4B-NB	6.75	1.41	1.35
14	B	1235	CLA	C4B-NB	6.75	1.41	1.35
14	f	1224	CLA	C4B-NB	6.75	1.41	1.35
14	e	1138	CLA	C4B-NB	6.74	1.41	1.35
14	f	1227	CLA	C4B-NB	6.73	1.41	1.35
14	a	505	CLA	C4B-NB	6.73	1.41	1.35
14	s	505	CLA	C4B-NB	6.73	1.41	1.35
14	3	505	CLA	C4B-NB	6.73	1.41	1.35
14	B	1206	CLA	C4B-NB	6.71	1.41	1.35
14	f	1235	CLA	C4B-NB	6.70	1.41	1.35
14	e	1123	CLA	C4B-NB	6.70	1.41	1.35
14	H	1232	CLA	C4B-NB	6.70	1.41	1.35
14	A	1115	CLA	C4B-NB	6.70	1.41	1.35
14	B	1239	CLA	C4B-NB	6.69	1.41	1.35
14	f	1206	CLA	C4B-NB	6.69	1.41	1.35
14	H	1227	CLA	C4B-NB	6.69	1.41	1.35
14	F	1301	CLA	C4B-NB	6.68	1.41	1.35
14	H	1239	CLA	C4B-NB	6.68	1.41	1.35
14	B	1227	CLA	C4B-NB	6.68	1.41	1.35
14	B	1232	CLA	C4B-NB	6.68	1.41	1.35
14	B	1229	CLA	C4B-NB	6.68	1.41	1.35
14	B	1221	CLA	C4B-NB	6.68	1.41	1.35
14	H	1229	CLA	C4B-NB	6.67	1.41	1.35
14	e	1115	CLA	C4B-NB	6.67	1.41	1.35
14	e	1107	CLA	C4B-NB	6.67	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1107	CLA	C4B-NB	6.67	1.41	1.35
14	G	1115	CLA	C4B-NB	6.67	1.41	1.35
14	A	1110	CLA	C4B-NB	6.66	1.41	1.35
14	G	1107	CLA	C4B-NB	6.66	1.41	1.35
14	H	1206	CLA	C4B-NB	6.66	1.41	1.35
14	f	1202	CLA	C4B-NB	6.66	1.41	1.35
14	Z	505	CLA	C4B-NB	6.65	1.41	1.35
14	A	1123	CLA	C4B-NB	6.65	1.41	1.35
14	2	505	CLA	C4B-NB	6.65	1.41	1.35
14	U	1103	CLA	C4B-NB	6.65	1.41	1.35
14	f	1021	CLA	C4B-NB	6.65	1.41	1.35
14	B	1202	CLA	C4B-NB	6.65	1.41	1.35
14	B	1215	CLA	C4B-NB	6.65	1.41	1.35
14	B	1228	CLA	C4B-NB	6.65	1.41	1.35
14	G	1123	CLA	C4B-NB	6.65	1.41	1.35
14	H	1228	CLA	C4B-NB	6.65	1.41	1.35
14	n	1502	CLA	C4B-NB	6.65	1.41	1.35
14	r	505	CLA	C4B-NB	6.64	1.41	1.35
14	K	1103	CLA	C4B-NB	6.64	1.41	1.35
14	f	1228	CLA	C4B-NB	6.64	1.41	1.35
14	B	1207	CLA	C4B-NB	6.64	1.41	1.35
14	G	1110	CLA	C4B-NB	6.64	1.41	1.35
14	G	1138	CLA	C4B-NB	6.64	1.41	1.35
14	H	1221	CLA	C4B-NB	6.64	1.41	1.35
14	A	1138	CLA	C4B-NB	6.64	1.41	1.35
14	f	1221	CLA	C4B-NB	6.64	1.41	1.35
14	L	1502	CLA	C4B-NB	6.63	1.41	1.35
14	m	1103	CLA	C4B-NB	6.63	1.41	1.35
14	j	1301	CLA	C4B-NB	6.63	1.41	1.35
14	H	1202	CLA	C4B-NB	6.63	1.41	1.35
14	f	1239	CLA	C4B-NB	6.63	1.41	1.35
14	e	1104	CLA	C4B-NB	6.63	1.41	1.35
14	f	1229	CLA	C4B-NB	6.62	1.41	1.35
14	B	1021	CLA	C4B-NB	6.62	1.41	1.35
14	H	1215	CLA	C4B-NB	6.61	1.41	1.35
14	R	1301	CLA	C4B-NB	6.61	1.41	1.35
14	V	1502	CLA	C4B-NB	6.61	1.41	1.35
14	G	1106	CLA	C4B-NB	6.61	1.41	1.35
14	f	1207	CLA	C4B-NB	6.60	1.41	1.35
14	e	1106	CLA	C4B-NB	6.60	1.41	1.35
14	f	1215	CLA	C4B-NB	6.59	1.41	1.35
14	A	1104	CLA	C4B-NB	6.59	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1106	CLA	C4B-NB	6.59	1.41	1.35
14	G	1104	CLA	C4B-NB	6.57	1.41	1.35
14	L	1503	CLA	C4B-NB	6.57	1.41	1.35
14	H	1207	CLA	C4B-NB	6.57	1.41	1.35
14	n	1503	CLA	C4B-NB	6.56	1.41	1.35
14	H	1220	CLA	C4B-NB	6.55	1.41	1.35
14	H	1021	CLA	C4B-NB	6.54	1.41	1.35
14	H	1205	CLA	C4B-NB	6.53	1.41	1.35
14	V	1503	CLA	C4B-NB	6.53	1.41	1.35
14	A	1137	CLA	C4B-NB	6.53	1.41	1.35
14	f	1212	CLA	C4B-NB	6.52	1.41	1.35
14	e	1137	CLA	C4B-NB	6.52	1.41	1.35
14	B	1205	CLA	C4B-NB	6.51	1.41	1.35
14	A	1117	CLA	C4B-NB	6.51	1.41	1.35
14	G	1117	CLA	C4B-NB	6.50	1.41	1.35
14	f	1205	CLA	C4B-NB	6.50	1.41	1.35
14	B	1220	CLA	C4B-NB	6.49	1.41	1.35
14	f	1220	CLA	C4B-NB	6.49	1.41	1.35
14	e	1117	CLA	C4B-NB	6.46	1.41	1.35
14	G	1136	CLA	C4B-NB	6.46	1.41	1.35
14	A	1136	CLA	C4B-NB	6.46	1.41	1.35
14	e	1131	CLA	C4B-NB	6.45	1.41	1.35
14	G	1137	CLA	C4B-NB	6.44	1.41	1.35
14	A	1124	CLA	C4B-NB	6.42	1.40	1.35
14	H	1212	CLA	C4B-NB	6.42	1.40	1.35
14	A	1120	CLA	C4B-NB	6.42	1.40	1.35
14	B	1212	CLA	C4B-NB	6.42	1.40	1.35
14	e	1120	CLA	C4B-NB	6.41	1.40	1.35
14	G	1130	CLA	C4B-NB	6.41	1.40	1.35
14	H	1204	CLA	C4B-NB	6.41	1.40	1.35
14	e	1124	CLA	C4B-NB	6.40	1.40	1.35
14	e	1130	CLA	C4B-NB	6.40	1.40	1.35
14	A	1103	CLA	C4B-NB	6.40	1.40	1.35
14	e	1136	CLA	C4B-NB	6.40	1.40	1.35
14	A	1131	CLA	C4B-NB	6.40	1.40	1.35
14	B	1222	CLA	C4B-NB	6.40	1.40	1.35
14	G	1131	CLA	C4B-NB	6.40	1.40	1.35
14	G	1124	CLA	C4B-NB	6.39	1.40	1.35
14	G	1103	CLA	C4B-NB	6.39	1.40	1.35
14	A	1130	CLA	C4B-NB	6.37	1.40	1.35
14	H	1222	CLA	C4B-NB	6.36	1.40	1.35
14	G	1121	CLA	C4B-NB	6.36	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1121	CLA	C4B-NB	6.35	1.40	1.35
14	e	1022	CLA	C4B-NB	6.34	1.40	1.35
14	G	1120	CLA	C4B-NB	6.34	1.40	1.35
14	B	1204	CLA	C4B-NB	6.33	1.40	1.35
14	A	1112	CLA	C4B-NB	6.32	1.40	1.35
14	f	1012	CLA	C4B-NB	6.32	1.40	1.35
14	e	1103	CLA	C4B-NB	6.32	1.40	1.35
14	e	1122	CLA	C4B-NB	6.31	1.40	1.35
14	G	1237	CLA	C4B-NB	6.31	1.40	1.35
14	G	1022	CLA	C4B-NB	6.31	1.40	1.35
14	A	1118	CLA	C4B-NB	6.30	1.40	1.35
14	e	1119	CLA	C4B-NB	6.30	1.40	1.35
14	f	1204	CLA	C4B-NB	6.30	1.40	1.35
14	f	1222	CLA	C4B-NB	6.30	1.40	1.35
14	G	1118	CLA	C4B-NB	6.30	1.40	1.35
14	H	1234	CLA	C4B-NB	6.30	1.40	1.35
14	f	1223	CLA	C4B-NB	6.30	1.40	1.35
14	A	1113	CLA	C4B-NB	6.29	1.40	1.35
14	G	1801	CLA	C4B-NB	6.29	1.40	1.35
14	H	1231	CLA	C4B-NB	6.29	1.40	1.35
14	A	1022	CLA	C4B-NB	6.29	1.40	1.35
14	e	1113	CLA	C4B-NB	6.29	1.40	1.35
14	G	1112	CLA	C4B-NB	6.28	1.40	1.35
14	H	1223	CLA	C4B-NB	6.28	1.40	1.35
14	e	1112	CLA	C4B-NB	6.28	1.40	1.35
14	B	1223	CLA	C4B-NB	6.28	1.40	1.35
14	G	1113	CLA	C4B-NB	6.28	1.40	1.35
14	A	1801	CLA	C4B-NB	6.28	1.40	1.35
14	e	1111	CLA	C4B-NB	6.28	1.40	1.35
14	G	1122	CLA	C4B-NB	6.28	1.40	1.35
14	A	1119	CLA	C4B-NB	6.27	1.40	1.35
14	H	1210	CLA	C4B-NB	6.27	1.40	1.35
14	f	1238	CLA	C4B-NB	6.27	1.40	1.35
14	G	1119	CLA	C4B-NB	6.26	1.40	1.35
14	e	1121	CLA	C4B-NB	6.26	1.40	1.35
14	B	1210	CLA	C4B-NB	6.25	1.40	1.35
14	A	1237	CLA	C4B-NB	6.25	1.40	1.35
14	A	1122	CLA	C4B-NB	6.25	1.40	1.35
14	B	1231	CLA	C4B-NB	6.24	1.40	1.35
14	f	1210	CLA	C4B-NB	6.24	1.40	1.35
14	e	1801	CLA	C4B-NB	6.23	1.40	1.35
14	B	1234	CLA	C4B-NB	6.23	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1118	CLA	C4B-NB	6.23	1.40	1.35
14	B	1238	CLA	C4B-NB	6.22	1.40	1.35
14	f	1234	CLA	C4B-NB	6.22	1.40	1.35
14	G	1133	CLA	C4B-NB	6.22	1.40	1.35
14	G	1111	CLA	C4B-NB	6.21	1.40	1.35
14	A	1111	CLA	C4B-NB	6.21	1.40	1.35
14	B	1012	CLA	C4B-NB	6.21	1.40	1.35
14	e	1013	CLA	C4B-NB	6.20	1.40	1.35
14	H	1238	CLA	C4B-NB	6.19	1.40	1.35
14	e	1237	CLA	C4B-NB	6.19	1.40	1.35
14	H	1211	CLA	C4B-NB	6.17	1.40	1.35
14	A	1013	CLA	C4B-NB	6.17	1.40	1.35
14	H	1012	CLA	C4B-NB	6.16	1.40	1.35
14	A	1011	CLA	C4B-NB	6.16	1.40	1.35
14	f	1231	CLA	C4B-NB	6.16	1.40	1.35
14	A	1133	CLA	C4B-NB	6.16	1.40	1.35
14	G	1013	CLA	C4B-NB	6.14	1.40	1.35
14	G	1011	CLA	C4B-NB	6.14	1.40	1.35
14	H	1203	CLA	C4B-NB	6.12	1.40	1.35
14	e	1133	CLA	C4B-NB	6.10	1.40	1.35
14	B	1211	CLA	C4B-NB	6.10	1.40	1.35
14	A	1127	CLA	C4B-NB	6.10	1.40	1.35
14	e	1127	CLA	C4B-NB	6.10	1.40	1.35
14	f	1211	CLA	C4B-NB	6.09	1.40	1.35
14	A	1105	CLA	C4B-NB	6.08	1.40	1.35
14	G	1127	CLA	C4B-NB	6.08	1.40	1.35
14	B	1203	CLA	C4B-NB	6.06	1.40	1.35
14	H	1225	CLA	C4B-NB	6.06	1.40	1.35
14	e	1105	CLA	C4B-NB	6.05	1.40	1.35
14	f	1203	CLA	C4B-NB	6.05	1.40	1.35
14	e	1011	CLA	C4B-NB	6.04	1.40	1.35
14	f	1225	CLA	C4B-NB	6.04	1.40	1.35
14	B	1225	CLA	C4B-NB	6.03	1.40	1.35
14	G	1105	CLA	C4B-NB	6.03	1.40	1.35
14	G	1129	CLA	C4B-NB	5.97	1.40	1.35
14	A	1109	CLA	C4B-NB	5.94	1.40	1.35
14	f	1023	CLA	C4B-NB	5.92	1.40	1.35
14	A	1126	CLA	C4B-NB	5.92	1.40	1.35
14	e	1109	CLA	C4B-NB	5.92	1.40	1.35
14	H	1023	CLA	C4B-NB	5.92	1.40	1.35
14	G	1125	CLA	C4B-NB	5.92	1.40	1.35
14	e	1126	CLA	C4B-NB	5.92	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1129	CLA	C4B-NB	5.92	1.40	1.35
14	e	1129	CLA	C4B-NB	5.92	1.40	1.35
14	B	1023	CLA	C4B-NB	5.91	1.40	1.35
14	G	1126	CLA	C4B-NB	5.90	1.40	1.35
14	G	1109	CLA	C4B-NB	5.89	1.40	1.35
14	e	1125	CLA	C4B-NB	5.86	1.40	1.35
14	A	1125	CLA	C4B-NB	5.85	1.40	1.35
14	e	1132	CLA	C4B-NB	5.71	1.40	1.35
14	A	1132	CLA	C4B-NB	5.70	1.40	1.35
14	G	1132	CLA	C4B-NB	5.68	1.40	1.35
14	e	1135	CLA	C4B-NB	5.23	1.39	1.35
14	G	1135	CLA	C4B-NB	5.20	1.39	1.35
14	A	1135	CLA	C4B-NB	5.20	1.39	1.35
15	B	2002	PQN	C2-C1	-5.02	1.37	1.48
15	f	2002	PQN	C2-C1	-5.00	1.37	1.48
15	H	2002	PQN	C2-C1	-5.00	1.37	1.48
15	G	2001	PQN	C2-C1	-4.83	1.37	1.48
15	e	2001	PQN	C2-C1	-4.82	1.37	1.48
15	A	2001	PQN	C2-C1	-4.82	1.37	1.48
14	A	1128	CLA	CMB-C2B	-4.53	1.42	1.51
14	e	1128	CLA	CMB-C2B	-4.51	1.42	1.51
14	G	1128	CLA	CMB-C2B	-4.50	1.42	1.51
14	f	1226	CLA	CMB-C2B	-4.44	1.42	1.51
14	B	1226	CLA	CMB-C2B	-4.43	1.42	1.51
14	H	1226	CLA	CMB-C2B	-4.39	1.42	1.51
14	H	1229	CLA	C4D-ND	-4.03	1.32	1.37
14	B	1023	CLA	C4D-ND	-4.03	1.32	1.37
14	B	1229	CLA	C4D-ND	-4.02	1.32	1.37
14	H	1023	CLA	C4D-ND	-4.02	1.32	1.37
19	l	5105	LMU	O5'-C1'	4.01	1.52	1.41
14	f	1023	CLA	C4D-ND	-4.01	1.32	1.37
19	T	5105	LMU	O5'-C1'	4.01	1.52	1.41
19	J	5105	LMU	O5'-C1'	3.99	1.52	1.41
14	f	1229	CLA	C4D-ND	-3.98	1.32	1.37
14	B	1234	CLA	C4D-ND	-3.97	1.32	1.37
14	t	503	CLA	C1D-ND	3.97	1.42	1.37
14	f	1234	CLA	C4D-ND	-3.96	1.32	1.37
14	H	1226	CLA	CMD-C2D	-3.95	1.42	1.50
14	B	1226	CLA	CMD-C2D	-3.94	1.42	1.50
14	s	503	CLA	C1D-ND	3.94	1.42	1.37
14	3	503	CLA	C1D-ND	3.94	1.42	1.37
22	P	170	FMN	C4A-N5	3.93	1.38	1.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	X	170	FMN	C4A-N5	3.92	1.38	1.30
14	e	1109	CLA	C4D-ND	-3.92	1.32	1.37
14	H	1234	CLA	C4D-ND	-3.92	1.32	1.37
14	n	1502	CLA	C4D-ND	-3.92	1.32	1.37
14	f	1226	CLA	CMD-C2D	-3.92	1.42	1.50
14	V	1502	CLA	C4D-ND	-3.91	1.32	1.37
14	4	503	CLA	C1D-ND	3.91	1.42	1.37
14	G	1109	CLA	C4D-ND	-3.91	1.32	1.37
22	p	170	FMN	C4A-N5	3.91	1.38	1.30
14	A	1109	CLA	C4D-ND	-3.91	1.32	1.37
14	L	1502	CLA	C4D-ND	-3.90	1.32	1.37
14	a	503	CLA	C1D-ND	3.89	1.42	1.37
14	A	1022	CLA	C4D-ND	-3.89	1.32	1.37
14	G	1122	CLA	C4D-ND	-3.87	1.32	1.37
14	e	1022	CLA	C4D-ND	-3.87	1.32	1.37
14	G	1022	CLA	C4D-ND	-3.87	1.32	1.37
14	e	1135	CLA	C4D-ND	-3.87	1.32	1.37
14	A	1122	CLA	C4D-ND	-3.86	1.32	1.37
14	A	1132	CLA	C4D-ND	-3.86	1.32	1.37
14	b	503	CLA	C1D-ND	3.86	1.42	1.37
14	G	1135	CLA	C4D-ND	-3.85	1.32	1.37
14	e	1122	CLA	C4D-ND	-3.85	1.32	1.37
14	A	1135	CLA	C4D-ND	-3.84	1.32	1.37
14	e	1132	CLA	C4D-ND	-3.83	1.32	1.37
14	t	516	CLA	C1D-ND	3.83	1.42	1.37
14	t	507	CLA	C1D-ND	3.82	1.42	1.37
14	A	1128	CLA	C4D-ND	-3.82	1.32	1.37
14	m	1105	CLA	C1D-ND	3.82	1.42	1.37
14	G	1128	CLA	C4D-ND	-3.82	1.32	1.37
14	b	516	CLA	C1D-ND	3.82	1.42	1.37
14	f	1204	CLA	C4D-ND	-3.81	1.32	1.37
14	G	1132	CLA	C4D-ND	-3.81	1.32	1.37
14	u	511	CLA	C1D-ND	3.81	1.42	1.37
14	e	1125	CLA	C4D-ND	-3.80	1.32	1.37
14	K	1105	CLA	C1D-ND	3.80	1.42	1.37
14	e	1115	CLA	C4D-ND	-3.80	1.32	1.37
14	f	1203	CLA	C4D-ND	-3.79	1.32	1.37
14	v	503	CLA	C1D-ND	3.79	1.42	1.37
14	H	1204	CLA	C4D-ND	-3.79	1.32	1.37
14	B	1204	CLA	C4D-ND	-3.79	1.32	1.37
14	6	503	CLA	C1D-ND	3.78	1.42	1.37
14	4	516	CLA	C1D-ND	3.78	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1115	CLA	C4D-ND	-3.78	1.32	1.37
14	e	1128	CLA	C4D-ND	-3.78	1.32	1.37
14	v	511	CLA	C1D-ND	3.78	1.42	1.37
14	G	1115	CLA	C4D-ND	-3.78	1.32	1.37
14	e	1129	CLA	C4D-ND	-3.78	1.32	1.37
14	G	1137	CLA	C4D-ND	-3.78	1.32	1.37
14	d	503	CLA	C1D-ND	3.77	1.42	1.37
14	4	507	CLA	C1D-ND	3.77	1.42	1.37
14	A	1129	CLA	C4D-ND	-3.77	1.32	1.37
14	3	513	CLA	C1D-ND	3.77	1.42	1.37
14	G	1140	CLA	C4D-ND	-3.77	1.32	1.37
14	6	511	CLA	C1D-ND	3.77	1.42	1.37
14	a	513	CLA	C1D-ND	3.77	1.42	1.37
14	A	1119	CLA	C4D-ND	-3.76	1.32	1.37
14	e	1119	CLA	C4D-ND	-3.76	1.32	1.37
14	H	1206	CLA	CMB-C2B	-3.76	1.43	1.51
14	5	511	CLA	C1D-ND	3.76	1.42	1.37
14	B	1203	CLA	C4D-ND	-3.76	1.32	1.37
14	Z	516	CLA	C1D-ND	3.76	1.42	1.37
14	r	516	CLA	C1D-ND	3.75	1.42	1.37
14	A	1111	CLA	C4D-ND	-3.75	1.32	1.37
14	G	1129	CLA	C4D-ND	-3.75	1.32	1.37
14	s	513	CLA	C1D-ND	3.75	1.42	1.37
14	H	1203	CLA	C4D-ND	-3.75	1.32	1.37
14	Z	503	CLA	C1D-ND	3.75	1.42	1.37
14	t	502	CLA	C1D-ND	3.75	1.42	1.37
14	b	502	CLA	C1D-ND	3.75	1.42	1.37
14	B	1206	CLA	CMB-C2B	-3.75	1.43	1.51
14	A	1137	CLA	C4D-ND	-3.75	1.32	1.37
14	4	502	CLA	C1D-ND	3.74	1.42	1.37
14	U	1105	CLA	C1D-ND	3.74	1.42	1.37
14	f	1235	CLA	C4D-ND	-3.74	1.32	1.37
14	r	517	CLA	C1D-ND	3.74	1.42	1.37
14	v	506	CLA	C1D-ND	3.74	1.42	1.37
14	b	506	CLA	C1D-ND	3.74	1.42	1.37
14	u	517	CLA	C1D-ND	3.73	1.42	1.37
14	A	1125	CLA	C4D-ND	-3.73	1.32	1.37
14	6	506	CLA	C1D-ND	3.73	1.42	1.37
14	e	1124	CLA	C4D-ND	-3.73	1.32	1.37
14	f	1206	CLA	CMB-C2B	-3.73	1.43	1.51
14	s	507	CLA	C1D-ND	3.72	1.42	1.37
14	t	506	CLA	C1D-ND	3.72	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	507	CLA	C1D-ND	3.72	1.42	1.37
14	c	511	CLA	C1D-ND	3.72	1.42	1.37
14	t	517	CLA	C1D-ND	3.72	1.42	1.37
14	Z	517	CLA	C1D-ND	3.72	1.42	1.37
14	2	516	CLA	C1D-ND	3.72	1.42	1.37
14	s	506	CLA	C1D-ND	3.72	1.42	1.37
14	t	504	CLA	C1D-ND	3.72	1.42	1.37
14	e	1137	CLA	C4D-ND	-3.72	1.32	1.37
14	d	511	CLA	C1D-ND	3.72	1.42	1.37
14	G	1111	CLA	C4D-ND	-3.71	1.32	1.37
14	2	517	CLA	C1D-ND	3.71	1.42	1.37
14	G	1124	CLA	C4D-ND	-3.71	1.32	1.37
14	s	519	CLA	C1D-ND	3.71	1.42	1.37
14	G	1119	CLA	C4D-ND	-3.71	1.32	1.37
14	H	1012	CLA	C4D-ND	-3.71	1.32	1.37
14	A	1103	CLA	C4D-ND	-3.70	1.32	1.37
14	A	1140	CLA	C4D-ND	-3.70	1.32	1.37
14	3	519	CLA	C1D-ND	3.70	1.42	1.37
14	4	504	CLA	C1D-ND	3.70	1.42	1.37
14	a	518	CLA	C1D-ND	3.70	1.42	1.37
14	e	1136	CLA	C4D-ND	-3.70	1.32	1.37
14	f	1236	CLA	C4D-ND	-3.70	1.32	1.37
14	d	506	CLA	C1D-ND	3.70	1.42	1.37
14	B	1235	CLA	C4D-ND	-3.70	1.32	1.37
14	2	503	CLA	C1D-ND	3.70	1.42	1.37
14	u	508	CLA	C1D-ND	3.70	1.42	1.37
14	r	503	CLA	C1D-ND	3.70	1.42	1.37
14	G	1125	CLA	C4D-ND	-3.69	1.32	1.37
14	4	506	CLA	C1D-ND	3.69	1.42	1.37
14	Y	519	CLA	C1D-ND	3.69	1.42	1.37
14	H	1235	CLA	C4D-ND	-3.69	1.32	1.37
14	1	506	CLA	C1D-ND	3.69	1.42	1.37
14	a	506	CLA	C1D-ND	3.69	1.42	1.37
14	q	519	CLA	C1D-ND	3.69	1.42	1.37
14	A	1124	CLA	C4D-ND	-3.69	1.32	1.37
14	b	504	CLA	C1D-ND	3.69	1.42	1.37
14	u	503	CLA	C1D-ND	3.69	1.42	1.37
14	Y	506	CLA	C1D-ND	3.69	1.42	1.37
14	e	1111	CLA	C4D-ND	-3.69	1.32	1.37
14	1	519	CLA	C1D-ND	3.69	1.42	1.37
14	e	1140	CLA	C4D-ND	-3.69	1.32	1.37
14	G	1136	CLA	C4D-ND	-3.68	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	5	517	CLA	C1D-ND	3.68	1.42	1.37
14	A	1136	CLA	C4D-ND	-3.68	1.32	1.37
14	3	507	CLA	C1D-ND	3.68	1.42	1.37
15	H	2002	PQN	C3-C4	-3.68	1.37	1.47
14	3	506	CLA	C1D-ND	3.68	1.42	1.37
14	5	503	CLA	C1D-ND	3.68	1.42	1.37
14	3	518	CLA	C1D-ND	3.68	1.42	1.37
14	r	507	CLA	C1D-ND	3.68	1.42	1.37
14	v	519	CLA	C1D-ND	3.68	1.42	1.37
14	t	511	CLA	C1D-ND	3.68	1.42	1.37
14	e	1131	CLA	C4D-ND	-3.68	1.32	1.37
14	s	517	CLA	C1D-ND	3.68	1.42	1.37
14	G	1103	CLA	C4D-ND	-3.68	1.32	1.37
14	q	508	CLA	C1D-ND	3.67	1.42	1.37
14	e	1103	CLA	C4D-ND	-3.67	1.32	1.37
14	B	1236	CLA	C4D-ND	-3.67	1.32	1.37
14	q	511	CLA	C1D-ND	3.67	1.42	1.37
15	B	2002	PQN	C3-C4	-3.67	1.38	1.47
14	4	517	CLA	C1D-ND	3.67	1.42	1.37
14	6	519	CLA	C1D-ND	3.67	1.42	1.37
14	G	1117	CLA	C4D-ND	-3.67	1.32	1.37
14	B	1012	CLA	C4D-ND	-3.67	1.32	1.37
14	A	1127	CLA	C4D-ND	-3.67	1.32	1.37
14	3	517	CLA	C1D-ND	3.67	1.42	1.37
14	v	507	CLA	C1D-ND	3.67	1.42	1.37
14	e	1139	CLA	C4D-ND	-3.66	1.32	1.37
14	c	519	CLA	C1D-ND	3.66	1.42	1.37
14	l	508	CLA	C1D-ND	3.66	1.42	1.37
14	c	508	CLA	C1D-ND	3.66	1.42	1.37
14	t	510	CLA	C1D-ND	3.66	1.42	1.37
14	G	1127	CLA	C4D-ND	-3.66	1.32	1.37
14	5	519	CLA	C1D-ND	3.66	1.42	1.37
14	b	511	CLA	C1D-ND	3.66	1.42	1.37
14	a	507	CLA	C1D-ND	3.66	1.42	1.37
14	e	1127	CLA	C4D-ND	-3.66	1.32	1.37
14	Y	511	CLA	C1D-ND	3.66	1.42	1.37
14	T	1303	CLA	C1D-ND	3.66	1.42	1.37
19	G	1849	LMU	O5'-C1'	3.66	1.51	1.41
14	4	513	CLA	C1D-ND	3.66	1.42	1.37
14	A	1131	CLA	C4D-ND	-3.65	1.32	1.37
14	b	517	CLA	C1D-ND	3.65	1.42	1.37
14	q	513	CLA	C1D-ND	3.65	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	506	CLA	C1D-ND	3.65	1.42	1.37
14	Y	513	CLA	C1D-ND	3.65	1.42	1.37
14	b	508	CLA	C1D-ND	3.65	1.42	1.37
14	l	513	CLA	C1D-ND	3.65	1.42	1.37
14	Y	503	CLA	C1D-ND	3.65	1.42	1.37
14	c	517	CLA	C1D-ND	3.65	1.42	1.37
14	e	1117	CLA	C4D-ND	-3.64	1.32	1.37
14	G	1131	CLA	C4D-ND	-3.64	1.32	1.37
14	2	507	CLA	C1D-ND	3.64	1.42	1.37
15	f	2002	PQN	C3-C4	-3.64	1.38	1.47
14	4	511	CLA	C1D-ND	3.64	1.42	1.37
14	Y	508	CLA	C1D-ND	3.64	1.42	1.37
14	H	1236	CLA	C4D-ND	-3.63	1.32	1.37
14	b	513	CLA	C1D-ND	3.63	1.42	1.37
14	t	513	CLA	C1D-ND	3.63	1.42	1.37
14	s	518	CLA	C1D-ND	3.63	1.42	1.37
14	r	511	CLA	C1D-ND	3.63	1.42	1.37
14	G	1139	CLA	C4D-ND	-3.63	1.32	1.37
14	c	503	CLA	C1D-ND	3.63	1.42	1.37
14	A	1139	CLA	C4D-ND	-3.63	1.32	1.37
14	l	511	CLA	C1D-ND	3.63	1.42	1.37
19	A	1849	LMU	O5'-C1'	3.63	1.51	1.41
14	u	507	CLA	C1D-ND	3.63	1.42	1.37
14	d	519	CLA	C1D-ND	3.62	1.42	1.37
14	b	518	CLA	C1D-ND	3.62	1.42	1.37
14	5	508	CLA	C1D-ND	3.62	1.42	1.37
14	Y	505	CLA	C1D-ND	3.62	1.42	1.37
14	l	518	CLA	C1D-ND	3.62	1.42	1.37
14	Z	507	CLA	C1D-ND	3.62	1.42	1.37
14	b	510	CLA	C1D-ND	3.62	1.42	1.37
14	u	502	CLA	C1D-ND	3.62	1.42	1.37
14	d	501	CLA	C1D-ND	3.62	1.42	1.37
14	q	509	CLA	C1D-ND	3.62	1.42	1.37
14	e	1105	CLA	C4D-ND	-3.62	1.32	1.37
14	4	510	CLA	C1D-ND	3.62	1.42	1.37
14	n	1503	CLA	C1D-ND	3.62	1.42	1.37
14	a	517	CLA	C1D-ND	3.62	1.42	1.37
14	J	1303	CLA	C1D-ND	3.62	1.42	1.37
14	4	508	CLA	C1D-ND	3.62	1.42	1.37
14	a	519	CLA	C1D-ND	3.62	1.42	1.37
14	u	519	CLA	C1D-ND	3.62	1.42	1.37
14	G	1011	CLA	C4D-ND	-3.62	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	1209	CLA	C1D-ND	3.61	1.42	1.37
14	v	501	CLA	C1D-ND	3.61	1.42	1.37
19	e	1849	LMU	O5'-C1'	3.61	1.51	1.41
14	A	1133	CLA	C4D-ND	-3.61	1.32	1.37
14	H	1225	CLA	C4D-ND	-3.61	1.32	1.37
14	a	501	CLA	C1D-ND	3.61	1.42	1.37
14	b	501	CLA	C1D-ND	3.61	1.42	1.37
14	Y	509	CLA	C1D-ND	3.61	1.42	1.37
14	6	507	CLA	C1D-ND	3.61	1.42	1.37
14	Y	517	CLA	C1D-ND	3.61	1.42	1.37
14	Z	504	CLA	C1D-ND	3.61	1.42	1.37
14	q	505	CLA	C1D-ND	3.61	1.42	1.37
14	q	503	CLA	C1D-ND	3.60	1.42	1.37
14	A	1117	CLA	C4D-ND	-3.60	1.32	1.37
14	u	501	CLA	C1D-ND	3.60	1.42	1.37
14	A	1011	CLA	C4D-ND	-3.60	1.32	1.37
14	B	1217	CLA	C1D-ND	3.60	1.42	1.37
14	5	501	CLA	C1D-ND	3.60	1.42	1.37
14	Y	518	CLA	C1D-ND	3.60	1.42	1.37
14	f	1012	CLA	C4D-ND	-3.60	1.32	1.37
14	Y	507	CLA	C1D-ND	3.60	1.42	1.37
14	e	1011	CLA	C4D-ND	-3.60	1.32	1.37
14	2	511	CLA	C1D-ND	3.60	1.42	1.37
14	d	507	CLA	C1D-ND	3.60	1.42	1.37
14	c	501	CLA	C1D-ND	3.60	1.42	1.37
14	q	518	CLA	C1D-ND	3.60	1.42	1.37
14	V	1503	CLA	C1D-ND	3.60	1.42	1.37
14	e	1133	CLA	C4D-ND	-3.60	1.32	1.37
14	1	507	CLA	C1D-ND	3.60	1.42	1.37
14	6	501	CLA	C1D-ND	3.60	1.42	1.37
14	G	1105	CLA	C4D-ND	-3.60	1.32	1.37
14	G	1237	CLA	C4D-ND	-3.60	1.32	1.37
14	f	1216	CLA	CMB-C2B	-3.60	1.44	1.51
14	A	1105	CLA	C4D-ND	-3.59	1.32	1.37
14	3	511	CLA	C1D-ND	3.59	1.42	1.37
14	q	517	CLA	C1D-ND	3.59	1.42	1.37
14	B	1209	CLA	C1D-ND	3.59	1.42	1.37
14	4	518	CLA	C1D-ND	3.59	1.42	1.37
14	H	1217	CLA	C1D-ND	3.59	1.42	1.37
14	t	501	CLA	C1D-ND	3.59	1.42	1.37
14	f	1217	CLA	C1D-ND	3.59	1.42	1.37
14	H	1216	CLA	CMB-C2B	-3.59	1.44	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	6	513	CLA	C1D-ND	3.58	1.42	1.37
14	e	1104	CLA	C4D-ND	-3.58	1.32	1.37
14	e	1107	CLA	CMB-C2B	-3.58	1.44	1.51
14	j	1301	CLA	C4D-ND	-3.58	1.32	1.37
14	r	509	CLA	C1D-ND	3.58	1.42	1.37
14	v	510	CLA	C1D-ND	3.58	1.42	1.37
14	G	1102	CLA	C4D-ND	-3.58	1.32	1.37
14	r	504	CLA	C1D-ND	3.58	1.42	1.37
14	t	519	CLA	C1D-ND	3.58	1.42	1.37
14	A	1107	CLA	CMB-C2B	-3.58	1.44	1.51
14	L	1503	CLA	C1D-ND	3.58	1.42	1.37
14	G	1133	CLA	C4D-ND	-3.58	1.32	1.37
14	4	501	CLA	C1D-ND	3.58	1.42	1.37
14	b	519	CLA	C1D-ND	3.58	1.42	1.37
14	A	1013	CLA	C4D-ND	-3.58	1.32	1.37
14	B	1216	CLA	CMB-C2B	-3.57	1.44	1.51
14	1	503	CLA	C1D-ND	3.57	1.42	1.37
14	f	1225	CLA	C4D-ND	-3.57	1.32	1.37
14	2	504	CLA	C1D-ND	3.57	1.42	1.37
14	d	513	CLA	C1D-ND	3.57	1.42	1.37
15	e	2001	PQN	C3-C4	-3.57	1.38	1.47
14	c	502	CLA	C1D-ND	3.57	1.42	1.37
14	1	509	CLA	C1D-ND	3.57	1.42	1.37
14	5	502	CLA	C1D-ND	3.57	1.42	1.37
14	c	507	CLA	C1D-ND	3.57	1.42	1.37
14	d	516	CLA	C1D-ND	3.57	1.42	1.37
14	e	1113	CLA	C4D-ND	-3.57	1.32	1.37
14	5	507	CLA	C1D-ND	3.57	1.42	1.37
14	A	1237	CLA	C4D-ND	-3.57	1.32	1.37
14	q	507	CLA	C1D-ND	3.57	1.42	1.37
14	1	505	CLA	C1D-ND	3.57	1.42	1.37
14	Z	511	CLA	C1D-ND	3.56	1.42	1.37
14	d	504	CLA	C1D-ND	3.56	1.42	1.37
14	t	509	CLA	C1D-ND	3.56	1.42	1.37
14	5	518	CLA	C1D-ND	3.56	1.42	1.37
14	3	501	CLA	C1D-ND	3.56	1.42	1.37
14	u	518	CLA	C1D-ND	3.56	1.42	1.37
14	a	511	CLA	C1D-ND	3.56	1.42	1.37
14	l	1303	CLA	C1D-ND	3.56	1.42	1.37
14	B	1212	CLA	C1D-ND	3.56	1.42	1.37
14	s	511	CLA	C1D-ND	3.56	1.42	1.37
14	B	1225	CLA	C4D-ND	-3.55	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	517	CLA	C1D-ND	3.55	1.42	1.37
14	A	1104	CLA	C4D-ND	-3.55	1.32	1.37
14	Y	510	CLA	C1D-ND	3.55	1.42	1.37
14	r	513	CLA	C1D-ND	3.55	1.42	1.37
14	G	1013	CLA	C4D-ND	-3.55	1.32	1.37
14	6	504	CLA	C1D-ND	3.55	1.42	1.37
14	t	508	CLA	C1D-ND	3.55	1.42	1.37
14	e	1237	CLA	CMB-C2B	-3.55	1.44	1.51
14	d	509	CLA	C1D-ND	3.55	1.42	1.37
14	G	1104	CLA	C4D-ND	-3.55	1.32	1.37
14	G	1113	CLA	C4D-ND	-3.55	1.32	1.37
15	A	2001	PQN	C3-C4	-3.55	1.38	1.47
14	c	504	CLA	C1D-ND	3.54	1.42	1.37
14	f	1212	CLA	C1D-ND	3.54	1.42	1.37
14	6	510	CLA	C1D-ND	3.54	1.42	1.37
14	G	1130	CLA	C4D-ND	-3.54	1.32	1.37
14	H	1212	CLA	C1D-ND	3.54	1.42	1.37
14	e	1013	CLA	C4D-ND	-3.54	1.32	1.37
14	6	502	CLA	C1D-ND	3.54	1.42	1.37
14	G	1107	CLA	CMB-C2B	-3.54	1.44	1.51
14	A	1130	CLA	C4D-ND	-3.54	1.32	1.37
14	F	1301	CLA	C4D-ND	-3.54	1.32	1.37
14	t	518	CLA	C1D-ND	3.54	1.42	1.37
14	v	513	CLA	C1D-ND	3.54	1.42	1.37
14	6	516	CLA	C1D-ND	3.54	1.42	1.37
14	c	513	CLA	C1D-ND	3.54	1.42	1.37
14	5	513	CLA	C1D-ND	3.54	1.42	1.37
14	f	1224	CLA	C1D-ND	3.54	1.42	1.37
14	A	1113	CLA	C4D-ND	-3.53	1.32	1.37
14	B	1223	CLA	C4D-ND	-3.53	1.32	1.37
14	f	1202	CLA	C4D-ND	-3.53	1.32	1.37
14	4	519	CLA	C1D-ND	3.53	1.42	1.37
15	G	2001	PQN	C3-C4	-3.53	1.38	1.47
14	G	1120	CLA	C4D-ND	-3.53	1.32	1.37
14	s	502	CLA	C1D-ND	3.53	1.42	1.37
14	v	509	CLA	C1D-ND	3.53	1.42	1.37
14	v	517	CLA	C1D-ND	3.53	1.42	1.37
14	a	508	CLA	C1D-ND	3.53	1.42	1.37
14	H	1223	CLA	C4D-ND	-3.53	1.32	1.37
14	G	1237	CLA	CMB-C2B	-3.53	1.44	1.51
14	c	518	CLA	C1D-ND	3.53	1.42	1.37
14	e	1237	CLA	C4D-ND	-3.53	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1120	CLA	C4D-ND	-3.53	1.32	1.37
14	f	1223	CLA	C4D-ND	-3.53	1.32	1.37
14	6	508	CLA	C1D-ND	3.53	1.42	1.37
14	H	1210	CLA	C4D-ND	-3.53	1.32	1.37
14	v	516	CLA	C1D-ND	3.53	1.42	1.37
14	d	508	CLA	C1D-ND	3.53	1.42	1.37
14	A	1237	CLA	CMB-C2B	-3.53	1.44	1.51
14	H	1209	CLA	C1D-ND	3.53	1.42	1.37
14	b	509	CLA	C1D-ND	3.53	1.42	1.37
14	A	1102	CLA	C4D-ND	-3.52	1.32	1.37
14	f	1239	CLA	C1D-ND	3.52	1.42	1.37
14	6	509	CLA	C1D-ND	3.52	1.42	1.37
14	v	502	CLA	C1D-ND	3.52	1.42	1.37
14	2	513	CLA	C1D-ND	3.52	1.42	1.37
14	c	516	CLA	C1D-ND	3.52	1.42	1.37
14	2	509	CLA	C1D-ND	3.52	1.42	1.37
14	5	516	CLA	C1D-ND	3.52	1.42	1.37
14	H	1224	CLA	C1D-ND	3.52	1.42	1.37
14	v	518	CLA	C1D-ND	3.52	1.42	1.37
14	u	504	CLA	C1D-ND	3.52	1.42	1.37
14	4	509	CLA	C1D-ND	3.51	1.42	1.37
14	v	504	CLA	C1D-ND	3.51	1.42	1.37
14	q	510	CLA	C1D-ND	3.51	1.42	1.37
14	d	505	CLA	C1D-ND	3.51	1.42	1.37
14	e	1102	CLA	C4D-ND	-3.51	1.32	1.37
14	e	1120	CLA	C4D-ND	-3.51	1.32	1.37
14	f	1215	CLA	C4D-ND	-3.51	1.32	1.37
19	H	1843	LMU	O5'-C1'	3.51	1.50	1.41
14	G	1107	CLA	C4D-ND	-3.51	1.32	1.37
14	e	1130	CLA	C4D-ND	-3.51	1.32	1.37
14	Y	501	CLA	C1D-ND	3.51	1.42	1.37
14	e	1107	CLA	C4D-ND	-3.51	1.32	1.37
14	6	518	CLA	C1D-ND	3.51	1.42	1.37
14	B	1210	CLA	C4D-ND	-3.51	1.32	1.37
14	f	1223	CLA	C1D-ND	3.51	1.42	1.37
14	u	509	CLA	C1D-ND	3.51	1.42	1.37
14	B	1224	CLA	C1D-ND	3.51	1.42	1.37
14	5	504	CLA	C1D-ND	3.51	1.42	1.37
14	a	502	CLA	C1D-ND	3.51	1.42	1.37
14	s	501	CLA	C1D-ND	3.50	1.42	1.37
14	u	513	CLA	C1D-ND	3.50	1.42	1.37
14	B	1202	CLA	C4D-ND	-3.50	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	501	CLA	C1D-ND	3.50	1.42	1.37
14	3	509	CLA	C1D-ND	3.50	1.42	1.37
14	G	1121	CLA	C4D-ND	-3.50	1.32	1.37
14	1	510	CLA	C1D-ND	3.50	1.42	1.37
14	2	506	CLA	C1D-ND	3.50	1.42	1.37
14	s	504	CLA	C1D-ND	3.50	1.42	1.37
14	u	516	CLA	C1D-ND	3.50	1.42	1.37
14	R	1301	CLA	C4D-ND	-3.50	1.32	1.37
14	Z	508	CLA	C1D-ND	3.50	1.42	1.37
14	Z	501	CLA	C1D-ND	3.50	1.42	1.37
14	6	505	CLA	C1D-ND	3.50	1.42	1.37
14	c	509	CLA	C1D-ND	3.50	1.42	1.37
14	d	510	CLA	C1D-ND	3.50	1.42	1.37
14	1	501	CLA	C1D-ND	3.49	1.42	1.37
14	H	1215	CLA	C4D-ND	-3.49	1.32	1.37
14	v	508	CLA	C1D-ND	3.49	1.42	1.37
14	3	508	CLA	C1D-ND	3.49	1.42	1.37
14	U	1103	CLA	C1D-ND	3.49	1.42	1.37
14	B	1215	CLA	C4D-ND	-3.49	1.32	1.37
14	3	504	CLA	C1D-ND	3.49	1.42	1.37
14	r	501	CLA	C1D-ND	3.49	1.42	1.37
14	5	509	CLA	C1D-ND	3.49	1.42	1.37
14	e	1116	CLA	C1D-ND	3.49	1.42	1.37
14	e	1121	CLA	C4D-ND	-3.49	1.32	1.37
14	t	512	CLA	C1D-ND	3.49	1.42	1.37
14	A	1106	CLA	C4D-ND	-3.48	1.32	1.37
14	B	1239	CLA	C1D-ND	3.48	1.42	1.37
14	a	510	CLA	C1D-ND	3.48	1.42	1.37
14	e	1119	CLA	CMB-C2B	-3.48	1.44	1.51
19	B	1843	LMU	O5'-C1'	3.48	1.50	1.41
14	A	1107	CLA	C4D-ND	-3.48	1.32	1.37
14	Z	506	CLA	C1D-ND	3.48	1.42	1.37
14	H	1216	CLA	C4D-ND	-3.48	1.32	1.37
14	f	1214	CLA	C4D-ND	-3.48	1.32	1.37
14	s	508	CLA	C1D-ND	3.48	1.42	1.37
14	H	1207	CLA	C4D-ND	-3.48	1.32	1.37
14	f	1222	CLA	C4D-ND	-3.48	1.32	1.37
14	3	502	CLA	C1D-ND	3.48	1.42	1.37
14	q	501	CLA	C1D-ND	3.47	1.42	1.37
14	A	1116	CLA	C4D-ND	-3.47	1.32	1.37
14	H	1202	CLA	C4D-ND	-3.47	1.32	1.37
14	B	1207	CLA	C4D-ND	-3.47	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c	510	CLA	C1D-ND	3.47	1.42	1.37
14	d	502	CLA	C1D-ND	3.47	1.42	1.37
14	f	1240	CLA	C1D-ND	3.47	1.42	1.37
14	e	1118	CLA	C4D-ND	-3.47	1.32	1.37
14	A	1116	CLA	C1D-ND	3.47	1.42	1.37
14	B	1223	CLA	C1D-ND	3.47	1.42	1.37
14	B	1240	CLA	C1D-ND	3.47	1.42	1.37
14	2	508	CLA	C1D-ND	3.47	1.42	1.37
14	u	510	CLA	C1D-ND	3.47	1.42	1.37
14	G	1106	CLA	C4D-ND	-3.47	1.32	1.37
14	H	1223	CLA	C1D-ND	3.47	1.42	1.37
14	B	1231	CLA	C4D-ND	-3.47	1.32	1.37
14	r	508	CLA	C1D-ND	3.47	1.42	1.37
14	Y	504	CLA	C1D-ND	3.47	1.42	1.37
14	f	1216	CLA	C4D-ND	-3.46	1.32	1.37
14	Z	513	CLA	C1D-ND	3.46	1.42	1.37
19	f	1843	LMU	O5'-C1'	3.46	1.50	1.41
14	G	1011	CLA	C1D-ND	3.46	1.42	1.37
14	f	1210	CLA	C4D-ND	-3.46	1.32	1.37
14	B	1214	CLA	C4D-ND	-3.46	1.32	1.37
14	H	1239	CLA	C1D-ND	3.46	1.42	1.37
15	f	2002	PQN	C10-C1	-3.46	1.41	1.48
14	H	1214	CLA	C1D-ND	3.46	1.42	1.37
14	e	1116	CLA	C4D-ND	-3.46	1.32	1.37
14	f	1207	CLA	C4D-ND	-3.46	1.32	1.37
14	3	510	CLA	C1D-ND	3.46	1.42	1.37
14	d	517	CLA	C1D-ND	3.46	1.42	1.37
14	d	518	CLA	C1D-ND	3.46	1.42	1.37
14	6	517	CLA	C1D-ND	3.45	1.42	1.37
14	Z	509	CLA	C1D-ND	3.45	1.42	1.37
14	A	1119	CLA	CMB-C2B	-3.45	1.44	1.51
14	H	1231	CLA	C4D-ND	-3.45	1.32	1.37
14	v	505	CLA	C1D-ND	3.45	1.42	1.37
14	a	509	CLA	C1D-ND	3.45	1.42	1.37
14	a	504	CLA	C1D-ND	3.45	1.42	1.37
14	Z	519	CLA	C1D-ND	3.45	1.42	1.37
14	f	1214	CLA	C1D-ND	3.45	1.42	1.37
14	G	1116	CLA	C1D-ND	3.45	1.42	1.37
14	f	1203	CLA	C1D-ND	3.45	1.42	1.37
14	5	510	CLA	C1D-ND	3.44	1.42	1.37
14	H	1222	CLA	C4D-ND	-3.44	1.33	1.37
14	B	1216	CLA	C4D-ND	-3.44	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	519	CLA	C1D-ND	3.44	1.42	1.37
14	4	512	CLA	C1D-ND	3.44	1.42	1.37
14	A	1121	CLA	C4D-ND	-3.44	1.33	1.37
14	e	1112	CLA	C4D-ND	-3.44	1.33	1.37
14	q	502	CLA	C1D-ND	3.44	1.42	1.37
14	u	506	CLA	C1D-ND	3.44	1.42	1.37
14	e	1106	CLA	C4D-ND	-3.44	1.33	1.37
14	5	506	CLA	C1D-ND	3.44	1.42	1.37
14	B	1214	CLA	C1D-ND	3.43	1.42	1.37
14	G	1116	CLA	C4D-ND	-3.43	1.33	1.37
14	G	1119	CLA	CMB-C2B	-3.43	1.44	1.51
14	f	1231	CLA	C4D-ND	-3.43	1.33	1.37
14	K	1401	CLA	C4D-ND	-3.43	1.33	1.37
14	H	1240	CLA	C1D-ND	3.43	1.42	1.37
14	r	506	CLA	C1D-ND	3.43	1.42	1.37
14	Y	516	CLA	C4D-ND	-3.43	1.33	1.37
14	q	516	CLA	C4D-ND	-3.43	1.33	1.37
14	m	1103	CLA	C1D-ND	3.43	1.42	1.37
14	n	1501	CLA	C4D-ND	-3.43	1.33	1.37
14	B	1222	CLA	C4D-ND	-3.43	1.33	1.37
14	K	1103	CLA	C1D-ND	3.43	1.42	1.37
14	a	505	CLA	C1D-ND	3.43	1.42	1.37
14	B	1238	CLA	C4D-ND	-3.43	1.33	1.37
14	l	516	CLA	C4D-ND	-3.43	1.33	1.37
14	r	519	CLA	C1D-ND	3.42	1.42	1.37
14	s	510	CLA	C1D-ND	3.42	1.42	1.37
15	B	2002	PQN	C10-C1	-3.42	1.41	1.48
14	b	512	CLA	C1D-ND	3.42	1.42	1.37
14	A	1122	CLA	C1D-ND	3.42	1.42	1.37
14	H	1203	CLA	C1D-ND	3.42	1.42	1.37
14	A	1118	CLA	C4D-ND	-3.42	1.33	1.37
14	U	1401	CLA	C4D-ND	-3.42	1.33	1.37
14	s	509	CLA	C1D-ND	3.42	1.42	1.37
14	e	1122	CLA	C1D-ND	3.42	1.42	1.37
14	r	518	CLA	C1D-ND	3.41	1.42	1.37
14	G	1118	CLA	C4D-ND	-3.41	1.33	1.37
14	B	1203	CLA	C1D-ND	3.41	1.42	1.37
14	c	506	CLA	C1D-ND	3.41	1.42	1.37
14	L	1501	CLA	C4D-ND	-3.41	1.33	1.37
14	s	505	CLA	C1D-ND	3.41	1.42	1.37
14	H	1214	CLA	C4D-ND	-3.41	1.33	1.37
14	G	1122	CLA	C1D-ND	3.40	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	u	505	CLA	C1D-ND	3.40	1.42	1.37
14	f	1238	CLA	C4D-ND	-3.40	1.33	1.37
14	m	1401	CLA	C4D-ND	-3.40	1.33	1.37
14	f	1218	CLA	C4D-ND	-3.40	1.33	1.37
14	f	1220	CLA	C4D-ND	-3.40	1.33	1.37
15	H	2002	PQN	C10-C1	-3.40	1.41	1.48
14	H	1218	CLA	C4D-ND	-3.40	1.33	1.37
14	B	1218	CLA	C4D-ND	-3.39	1.33	1.37
14	B	1220	CLA	C4D-ND	-3.39	1.33	1.37
14	3	505	CLA	C1D-ND	3.39	1.42	1.37
14	H	1238	CLA	C4D-ND	-3.39	1.33	1.37
14	1	504	CLA	C1D-ND	3.39	1.42	1.37
14	c	505	CLA	C1D-ND	3.39	1.42	1.37
14	G	1102	CLA	CHC-C1C	3.39	1.43	1.35
14	5	505	CLA	C1D-ND	3.39	1.41	1.37
14	H	1012	CLA	CHC-C1C	3.39	1.43	1.35
14	H	1212	CLA	C4D-ND	-3.39	1.33	1.37
14	f	1221	CLA	C4D-ND	-3.38	1.33	1.37
14	B	1206	CLA	C4D-ND	-3.38	1.33	1.37
14	2	518	CLA	C1D-ND	3.38	1.41	1.37
14	B	1221	CLA	C4D-ND	-3.38	1.33	1.37
14	G	1126	CLA	C4D-ND	-3.38	1.33	1.37
14	e	1102	CLA	CHC-C1C	3.38	1.43	1.35
14	A	1112	CLA	C4D-ND	-3.38	1.33	1.37
14	1	502	CLA	C1D-ND	3.38	1.41	1.37
14	V	1501	CLA	C4D-ND	-3.38	1.33	1.37
14	B	1212	CLA	C4D-ND	-3.38	1.33	1.37
14	H	1211	CLA	C4D-ND	-3.37	1.33	1.37
14	H	1226	CLA	C4D-ND	-3.37	1.33	1.37
19	e	1848	LMU	O5'-C1'	3.37	1.50	1.41
14	A	1011	CLA	C1D-ND	3.37	1.41	1.37
14	B	1012	CLA	CHC-C1C	3.37	1.43	1.35
14	A	1126	CLA	C4D-ND	-3.37	1.33	1.37
14	q	504	CLA	C1D-ND	3.37	1.41	1.37
14	B	1021	CLA	C4D-ND	-3.37	1.33	1.37
14	f	1226	CLA	C4D-ND	-3.37	1.33	1.37
19	G	1848	LMU	O5'-C1'	3.37	1.50	1.41
14	H	1220	CLA	C4D-ND	-3.37	1.33	1.37
14	2	502	CLA	C1D-ND	3.37	1.41	1.37
19	A	1848	LMU	O5'-C1'	3.36	1.50	1.41
14	A	1102	CLA	CHC-C1C	3.36	1.43	1.35
14	f	1012	CLA	CHC-C1C	3.36	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	1401	CLA	C1D-ND	3.36	1.41	1.37
19	G	1848	LMU	O5B-C1B	3.36	1.50	1.41
14	H	1227	CLA	C4D-ND	-3.36	1.33	1.37
14	f	1206	CLA	C4D-ND	-3.36	1.33	1.37
14	B	1239	CLA	CMB-C2B	-3.36	1.44	1.51
14	e	1011	CLA	C1D-ND	3.36	1.41	1.37
14	H	1239	CLA	CMB-C2B	-3.36	1.44	1.51
14	b	508	CLA	CMB-C2B	-3.36	1.44	1.51
14	f	1212	CLA	C4D-ND	-3.35	1.33	1.37
14	G	1114	CLA	C1D-ND	3.35	1.41	1.37
14	e	1126	CLA	C4D-ND	-3.35	1.33	1.37
14	H	1206	CLA	C4D-ND	-3.35	1.33	1.37
14	Z	502	CLA	C1D-ND	3.35	1.41	1.37
14	Z	518	CLA	C1D-ND	3.35	1.41	1.37
14	e	1129	CLA	CMB-C2B	-3.35	1.44	1.51
14	f	1021	CLA	C4D-ND	-3.35	1.33	1.37
14	A	1129	CLA	CMB-C2B	-3.35	1.44	1.51
14	L	1501	CLA	CMB-C2B	-3.35	1.44	1.51
14	B	1226	CLA	C4D-ND	-3.35	1.33	1.37
14	H	1221	CLA	C4D-ND	-3.35	1.33	1.37
14	G	1022	CLA	CMB-C2B	-3.34	1.44	1.51
14	G	1112	CLA	C4D-ND	-3.34	1.33	1.37
14	f	1239	CLA	CMB-C2B	-3.34	1.44	1.51
14	V	1501	CLA	CMB-C2B	-3.34	1.44	1.51
19	e	1848	LMU	O5B-C1B	3.34	1.50	1.41
14	A	1022	CLA	CMB-C2B	-3.34	1.44	1.51
14	4	508	CLA	CMB-C2B	-3.34	1.44	1.51
14	A	1134	CLA	C4D-ND	-3.34	1.33	1.37
14	B	1232	CLA	C4D-ND	-3.33	1.33	1.37
14	U	1103	CLA	C4D-ND	-3.33	1.33	1.37
19	A	1848	LMU	O5B-C1B	3.33	1.50	1.41
14	H	1021	CLA	C4D-ND	-3.33	1.33	1.37
14	f	1235	CLA	C1D-ND	3.33	1.41	1.37
14	e	1022	CLA	CMB-C2B	-3.33	1.44	1.51
14	f	1211	CLA	C1D-ND	3.33	1.41	1.37
14	e	1134	CLA	C4D-ND	-3.33	1.33	1.37
19	H	1843	LMU	O5B-C1B	3.33	1.50	1.41
21	t	822	SQD	O47-C7	3.33	1.42	1.35
14	n	1503	CLA	C4D-ND	-3.33	1.33	1.37
14	R	1302	CLA	C1D-ND	3.33	1.41	1.37
14	f	1211	CLA	C4D-ND	-3.33	1.33	1.37
14	f	1232	CLA	C4D-ND	-3.33	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K	1401	CLA	C1D-ND	3.33	1.41	1.37
14	B	1211	CLA	C4D-ND	-3.33	1.33	1.37
14	B	1227	CLA	C4D-ND	-3.32	1.33	1.37
14	f	1224	CLA	C4D-ND	-3.32	1.33	1.37
14	H	1216	CLA	C3B-C2B	-3.32	1.35	1.40
14	e	1114	CLA	C1D-ND	3.32	1.41	1.37
14	n	1501	CLA	CMB-C2B	-3.32	1.44	1.51
14	r	502	CLA	C1D-ND	3.32	1.41	1.37
14	t	508	CLA	CMB-C2B	-3.32	1.44	1.51
21	4	822	SQD	O47-C7	3.32	1.42	1.35
14	3	516	CLA	C1D-ND	3.32	1.41	1.37
21	b	822	SQD	O47-C7	3.32	1.42	1.35
19	B	1843	LMU	O5B-C1B	3.32	1.50	1.41
14	G	1129	CLA	CMB-C2B	-3.32	1.44	1.51
14	L	1503	CLA	C4D-ND	-3.32	1.33	1.37
14	r	510	CLA	C1D-ND	3.32	1.41	1.37
14	V	1503	CLA	C4D-ND	-3.32	1.33	1.37
14	A	1114	CLA	C1D-ND	3.31	1.41	1.37
14	f	1208	CLA	C4D-ND	-3.31	1.33	1.37
14	G	1134	CLA	C4D-ND	-3.31	1.33	1.37
14	e	1110	CLA	C4D-ND	-3.31	1.33	1.37
14	A	1110	CLA	C4D-ND	-3.31	1.33	1.37
14	H	1230	CLA	C4D-ND	-3.31	1.33	1.37
14	s	501	CLA	C4D-ND	-3.31	1.33	1.37
14	Z	510	CLA	C1D-ND	3.30	1.41	1.37
14	2	510	CLA	C1D-ND	3.30	1.41	1.37
14	H	1218	CLA	C1D-ND	3.30	1.41	1.37
14	B	1224	CLA	C4D-ND	-3.30	1.33	1.37
19	f	1843	LMU	O5B-C1B	3.30	1.50	1.41
14	B	1207	CLA	C1D-ND	3.30	1.41	1.37
14	U	1401	CLA	C1D-ND	3.30	1.41	1.37
14	e	1134	CLA	C1D-ND	3.30	1.41	1.37
14	J	1302	CLA	C1D-ND	3.30	1.41	1.37
14	s	516	CLA	C1D-ND	3.30	1.41	1.37
14	H	1211	CLA	C1D-ND	3.30	1.41	1.37
14	e	1138	CLA	C4D-ND	-3.30	1.33	1.37
14	3	501	CLA	C4D-ND	-3.30	1.33	1.37
14	s	506	CLA	C4D-ND	-3.30	1.33	1.37
14	Y	502	CLA	C1D-ND	3.30	1.41	1.37
14	j	1302	CLA	C1D-ND	3.30	1.41	1.37
14	B	1218	CLA	C1D-ND	3.29	1.41	1.37
14	2	506	CLA	C4D-ND	-3.29	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	501	CLA	C4D-ND	-3.29	1.33	1.37
14	F	1302	CLA	C1D-ND	3.29	1.41	1.37
14	Z	508	CLA	C4D-ND	-3.29	1.33	1.37
14	b	519	CLA	C4D-ND	-3.29	1.33	1.37
14	v	505	CLA	C4D-ND	-3.29	1.33	1.37
14	B	1222	CLA	C1D-ND	3.29	1.41	1.37
14	H	1207	CLA	C1D-ND	3.29	1.41	1.37
14	B	1230	CLA	C4D-ND	-3.29	1.33	1.37
14	v	510	CLA	C4D-ND	-3.29	1.33	1.37
14	Z	506	CLA	C4D-ND	-3.29	1.33	1.37
14	f	1222	CLA	C1D-ND	3.29	1.41	1.37
14	a	516	CLA	C1D-ND	3.28	1.41	1.37
14	e	1801	CLA	C4D-ND	-3.28	1.33	1.37
14	d	512	CLA	C1D-ND	3.28	1.41	1.37
14	2	508	CLA	C4D-ND	-3.28	1.33	1.37
14	f	1227	CLA	C4D-ND	-3.28	1.33	1.37
14	f	1208	CLA	C1D-ND	3.28	1.41	1.37
14	f	1218	CLA	C1D-ND	3.28	1.41	1.37
14	e	1114	CLA	CMB-C2B	-3.28	1.44	1.51
14	A	1801	CLA	C4D-ND	-3.28	1.33	1.37
14	c	501	CLA	C4D-ND	-3.28	1.33	1.37
21	c	822	SQD	O47-C7	3.28	1.42	1.35
14	G	1138	CLA	C4D-ND	-3.28	1.33	1.37
14	r	508	CLA	C4D-ND	-3.28	1.33	1.37
14	n	1501	CLA	C1D-ND	3.28	1.41	1.37
14	A	1134	CLA	C1D-ND	3.28	1.41	1.37
14	f	1207	CLA	C1D-ND	3.28	1.41	1.37
14	B	1216	CLA	C3B-C2B	-3.28	1.35	1.40
14	5	506	CLA	C4D-ND	-3.28	1.33	1.37
14	A	1114	CLA	CMB-C2B	-3.27	1.44	1.51
14	H	1232	CLA	C4D-ND	-3.27	1.33	1.37
14	u	506	CLA	C4D-ND	-3.27	1.33	1.37
14	r	505	CLA	C1D-ND	3.27	1.41	1.37
14	K	1103	CLA	C4D-ND	-3.27	1.33	1.37
14	f	1216	CLA	C3B-C2B	-3.27	1.35	1.40
14	m	1103	CLA	C4D-ND	-3.27	1.33	1.37
21	5	822	SQD	O47-C7	3.27	1.42	1.35
14	l	1302	CLA	C1D-ND	3.27	1.41	1.37
14	r	519	CLA	C4D-ND	-3.27	1.33	1.37
14	B	1235	CLA	C1D-ND	3.27	1.41	1.37
14	G	1801	CLA	C4D-ND	-3.27	1.33	1.37
14	B	1208	CLA	C4D-ND	-3.27	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	5	501	CLA	C4D-ND	-3.27	1.33	1.37
14	H	1208	CLA	C4D-ND	-3.27	1.33	1.37
14	H	1224	CLA	C4D-ND	-3.27	1.33	1.37
21	u	822	SQD	O47-C7	3.27	1.42	1.35
14	1	512	CLA	C1D-ND	3.27	1.41	1.37
14	Y	509	CLA	C4D-ND	-3.27	1.33	1.37
21	d	822	SQD	O47-C7	3.27	1.42	1.35
14	Y	512	CLA	C1D-ND	3.27	1.41	1.37
21	6	822	SQD	O47-C7	3.27	1.42	1.35
14	G	1134	CLA	C1D-ND	3.27	1.41	1.37
14	f	1210	CLA	C1D-ND	3.27	1.41	1.37
14	b	505	CLA	C1D-ND	3.27	1.41	1.37
14	A	1138	CLA	C4D-ND	-3.26	1.33	1.37
14	T	1302	CLA	C1D-ND	3.26	1.41	1.37
14	c	506	CLA	C4D-ND	-3.26	1.33	1.37
14	6	512	CLA	C1D-ND	3.26	1.41	1.37
14	6	505	CLA	C4D-ND	-3.26	1.33	1.37
14	B	1211	CLA	C1D-ND	3.26	1.41	1.37
14	H	1228	CLA	C1D-ND	3.26	1.41	1.37
14	f	1230	CLA	C4D-ND	-3.26	1.33	1.37
14	q	501	CLA	C4D-ND	-3.26	1.33	1.37
14	d	505	CLA	C4D-ND	-3.26	1.33	1.37
14	f	1240	CLA	C4D-ND	-3.26	1.33	1.37
14	G	1114	CLA	CMB-C2B	-3.26	1.44	1.51
14	f	1239	CLA	C4D-ND	-3.26	1.33	1.37
14	B	1228	CLA	C1D-ND	3.26	1.41	1.37
14	r	506	CLA	C4D-ND	-3.26	1.33	1.37
14	L	1501	CLA	C1D-ND	3.26	1.41	1.37
14	2	505	CLA	C1D-ND	3.26	1.41	1.37
14	Y	501	CLA	C4D-ND	-3.25	1.33	1.37
21	v	822	SQD	O47-C7	3.25	1.42	1.35
14	2	509	CLA	C4D-ND	-3.25	1.33	1.37
14	q	512	CLA	C1D-ND	3.25	1.41	1.37
14	6	501	CLA	C4D-ND	-3.25	1.33	1.37
14	G	1110	CLA	C4D-ND	-3.25	1.33	1.37
14	q	509	CLA	C4D-ND	-3.25	1.33	1.37
14	v	501	CLA	C4D-ND	-3.25	1.33	1.37
14	1	502	CLA	C4D-ND	-3.25	1.33	1.37
14	u	501	CLA	C4D-ND	-3.25	1.33	1.37
14	B	1208	CLA	C1D-ND	3.25	1.41	1.37
14	1	509	CLA	C4D-ND	-3.25	1.33	1.37
14	Y	503	CLA	C4D-ND	-3.24	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	V	1501	CLA	C1D-ND	3.24	1.41	1.37
14	1	519	CLA	C4D-ND	-3.24	1.33	1.37
14	a	508	CLA	CMB-C2B	-3.24	1.44	1.51
14	3	506	CLA	C4D-ND	-3.24	1.33	1.37
14	Z	503	CLA	C4D-ND	-3.24	1.33	1.37
14	6	508	CLA	C4D-ND	-3.24	1.33	1.37
14	Z	505	CLA	C1D-ND	3.24	1.41	1.37
14	f	1228	CLA	C1D-ND	3.24	1.41	1.37
14	v	512	CLA	C1D-ND	3.24	1.41	1.37
14	1	501	CLA	C4D-ND	-3.24	1.33	1.37
14	f	1202	CLA	C1D-ND	3.24	1.41	1.37
14	H	1208	CLA	C1D-ND	3.23	1.41	1.37
14	d	501	CLA	C4D-ND	-3.23	1.33	1.37
14	r	509	CLA	C4D-ND	-3.23	1.33	1.37
14	A	1101	CLA	C4D-ND	-3.23	1.33	1.37
14	4	505	CLA	C1D-ND	3.23	1.41	1.37
14	s	512	CLA	C1D-ND	3.23	1.41	1.37
14	t	505	CLA	C1D-ND	3.23	1.41	1.37
14	f	1238	CLA	C1D-ND	3.23	1.41	1.37
14	B	1213	CLA	C4D-ND	-3.23	1.33	1.37
14	3	512	CLA	C1D-ND	3.23	1.41	1.37
14	H	1222	CLA	C1D-ND	3.23	1.41	1.37
14	6	510	CLA	C4D-ND	-3.23	1.33	1.37
14	G	1114	CLA	C4D-ND	-3.23	1.33	1.37
14	Y	519	CLA	C4D-ND	-3.23	1.33	1.37
14	d	508	CLA	C4D-ND	-3.23	1.33	1.37
14	4	519	CLA	C4D-ND	-3.23	1.33	1.37
14	3	518	CLA	C4D-ND	-3.23	1.33	1.37
14	u	508	CLA	C4D-ND	-3.23	1.33	1.37
14	j	1301	CLA	C1D-ND	3.22	1.41	1.37
14	H	1239	CLA	C4D-ND	-3.22	1.33	1.37
14	a	508	CLA	C4D-ND	-3.22	1.33	1.37
14	f	1228	CLA	C4D-ND	-3.22	1.33	1.37
14	A	1114	CLA	C4D-ND	-3.22	1.33	1.37
14	2	519	CLA	C4D-ND	-3.22	1.33	1.37
14	H	1213	CLA	C4D-ND	-3.22	1.33	1.37
14	q	502	CLA	C4D-ND	-3.22	1.33	1.37
14	H	1219	CLA	C1D-ND	3.22	1.41	1.37
14	a	512	CLA	C1D-ND	3.22	1.41	1.37
14	1	508	CLA	CMB-C2B	-3.22	1.44	1.51
14	Y	508	CLA	CMB-C2B	-3.22	1.44	1.51
14	G	1132	CLA	C1D-ND	3.22	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1239	CLA	C4D-ND	-3.22	1.33	1.37
14	B	1240	CLA	C4D-ND	-3.22	1.33	1.37
14	s	518	CLA	C4D-ND	-3.22	1.33	1.37
14	q	503	CLA	C4D-ND	-3.22	1.33	1.37
14	G	1117	CLA	CMB-C2B	-3.22	1.44	1.51
14	3	508	CLA	C4D-ND	-3.22	1.33	1.37
14	v	508	CLA	C4D-ND	-3.22	1.33	1.37
14	G	1113	CLA	C1D-ND	3.22	1.41	1.37
14	H	1235	CLA	C1D-ND	3.22	1.41	1.37
14	H	1238	CLA	C1D-ND	3.22	1.41	1.37
14	e	1108	CLA	C4D-ND	-3.22	1.33	1.37
14	c	512	CLA	C1D-ND	3.22	1.41	1.37
14	A	1108	CLA	C4D-ND	-3.22	1.33	1.37
14	e	1110	CLA	C1D-ND	3.22	1.41	1.37
14	a	506	CLA	C4D-ND	-3.21	1.33	1.37
14	r	518	CLA	C4D-ND	-3.21	1.33	1.37
14	f	1234	CLA	C1D-ND	3.21	1.41	1.37
14	e	1114	CLA	C4D-ND	-3.21	1.33	1.37
14	q	519	CLA	C4D-ND	-3.21	1.33	1.37
14	3	508	CLA	CMB-C2B	-3.21	1.45	1.51
14	s	508	CLA	C4D-ND	-3.21	1.33	1.37
14	q	508	CLA	CMB-C2B	-3.21	1.45	1.51
14	u	510	CLA	C4D-ND	-3.21	1.33	1.37
14	G	1133	CLA	CMB-C2B	-3.21	1.45	1.51
14	H	1228	CLA	C4D-ND	-3.21	1.33	1.37
14	B	1228	CLA	C4D-ND	-3.21	1.33	1.37
14	1	504	CLA	C4D-ND	-3.21	1.33	1.37
14	Z	509	CLA	C4D-ND	-3.21	1.33	1.37
14	f	1213	CLA	C4D-ND	-3.21	1.33	1.37
14	B	1201	CLA	C1D-ND	3.21	1.41	1.37
14	e	1101	CLA	C4D-ND	-3.21	1.33	1.37
14	Z	519	CLA	C4D-ND	-3.21	1.33	1.37
14	Y	502	CLA	C4D-ND	-3.20	1.33	1.37
14	3	519	CLA	C4D-ND	-3.20	1.33	1.37
14	e	1133	CLA	CMB-C2B	-3.20	1.45	1.51
14	q	504	CLA	C4D-ND	-3.20	1.33	1.37
14	A	1110	CLA	C1D-ND	3.20	1.41	1.37
14	5	512	CLA	C1D-ND	3.20	1.41	1.37
14	H	1210	CLA	C1D-ND	3.20	1.41	1.37
14	t	517	CLA	C4D-ND	-3.20	1.33	1.37
14	B	1222	CLA	CHC-C1C	3.20	1.43	1.35
14	a	518	CLA	C4D-ND	-3.20	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1110	CLA	C1D-ND	3.20	1.41	1.37
14	2	503	CLA	C4D-ND	-3.20	1.33	1.37
14	H	1222	CLA	CHC-C1C	3.20	1.43	1.35
14	1	503	CLA	C4D-ND	-3.20	1.33	1.37
14	B	1238	CLA	C1D-ND	3.20	1.41	1.37
14	d	510	CLA	C4D-ND	-3.20	1.33	1.37
14	B	1210	CLA	C1D-ND	3.20	1.41	1.37
14	f	1222	CLA	CHC-C1C	3.19	1.43	1.35
14	A	1136	CLA	C1D-ND	3.19	1.41	1.37
14	e	1107	CLA	CMD-C2D	-3.19	1.44	1.50
14	H	1240	CLA	C4D-ND	-3.19	1.33	1.37
14	c	510	CLA	C4D-ND	-3.19	1.33	1.37
14	t	519	CLA	C4D-ND	-3.19	1.33	1.37
14	G	1107	CLA	CMD-C2D	-3.19	1.44	1.50
14	5	517	CLA	C4D-ND	-3.19	1.33	1.37
14	G	1108	CLA	C4D-ND	-3.19	1.33	1.37
14	B	1219	CLA	C1D-ND	3.19	1.41	1.37
14	2	518	CLA	C4D-ND	-3.19	1.33	1.37
14	F	1301	CLA	C1D-ND	3.19	1.41	1.37
14	5	510	CLA	C4D-ND	-3.19	1.33	1.37
14	Y	505	CLA	C4D-ND	-3.19	1.33	1.37
14	b	508	CLA	C4D-ND	-3.19	1.33	1.37
14	s	508	CLA	CMB-C2B	-3.19	1.45	1.51
14	e	1136	CLA	C1D-ND	3.19	1.41	1.37
14	B	1202	CLA	C1D-ND	3.19	1.41	1.37
14	Z	505	CLA	C4D-ND	-3.19	1.33	1.37
14	R	1301	CLA	C1D-ND	3.19	1.41	1.37
14	3	509	CLA	C4D-ND	-3.19	1.33	1.37
14	1	518	CLA	C4D-ND	-3.18	1.33	1.37
14	A	1107	CLA	CMD-C2D	-3.18	1.44	1.50
14	f	1215	CLA	C1D-ND	3.18	1.41	1.37
14	G	1101	CLA	C4D-ND	-3.18	1.33	1.37
14	s	509	CLA	C4D-ND	-3.18	1.33	1.37
14	f	1201	CLA	C1D-ND	3.18	1.41	1.37
14	s	519	CLA	C4D-ND	-3.18	1.33	1.37
14	H	1232	CLA	C1D-ND	3.18	1.41	1.37
14	f	1232	CLA	C1D-ND	3.18	1.41	1.37
14	5	508	CLA	C4D-ND	-3.18	1.33	1.37
14	A	1133	CLA	CMB-C2B	-3.18	1.45	1.51
14	4	508	CLA	C4D-ND	-3.18	1.33	1.37
14	d	509	CLA	C4D-ND	-3.18	1.33	1.37
14	A	1132	CLA	C1D-ND	3.18	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1215	CLA	C1D-ND	3.18	1.41	1.37
14	5	509	CLA	C4D-ND	-3.18	1.33	1.37
14	B	1232	CLA	C1D-ND	3.18	1.41	1.37
14	u	517	CLA	C4D-ND	-3.18	1.33	1.37
14	A	1117	CLA	CMB-C2B	-3.17	1.45	1.51
14	H	1201	CLA	C4D-ND	-3.17	1.33	1.37
14	v	509	CLA	C4D-ND	-3.17	1.33	1.37
14	2	508	CLA	CMB-C2B	-3.17	1.45	1.51
14	F	1302	CLA	C4D-ND	-3.17	1.33	1.37
14	u	512	CLA	C1D-ND	3.17	1.41	1.37
14	Y	508	CLA	C4D-ND	-3.17	1.33	1.37
14	6	509	CLA	C4D-ND	-3.17	1.33	1.37
14	d	511	CLA	C4D-ND	-3.17	1.33	1.37
14	t	508	CLA	C4D-ND	-3.17	1.33	1.37
14	u	505	CLA	C4D-ND	-3.17	1.33	1.37
14	Z	508	CLA	CMB-C2B	-3.17	1.45	1.51
14	v	502	CLA	C4D-ND	-3.17	1.33	1.37
21	a	822	SQD	O48-C23	3.17	1.42	1.33
14	s	517	CLA	C4D-ND	-3.17	1.33	1.37
14	H	1201	CLA	C1D-ND	3.17	1.41	1.37
14	B	1201	CLA	CHC-C1C	3.17	1.43	1.35
14	l	506	CLA	C4D-ND	-3.17	1.33	1.37
14	f	1215	CLA	CMB-C2B	-3.17	1.45	1.51
14	c	508	CLA	C4D-ND	-3.17	1.33	1.37
14	K	1401	CLA	CHC-C1C	3.17	1.43	1.35
14	f	1219	CLA	C1D-ND	3.17	1.41	1.37
14	c	509	CLA	C4D-ND	-3.17	1.33	1.37
14	f	1201	CLA	CHC-C1C	3.17	1.43	1.35
14	f	1234	CLA	CHC-C1C	3.17	1.43	1.35
14	l	508	CLA	C4D-ND	-3.16	1.33	1.37
14	R	1302	CLA	C4D-ND	-3.16	1.33	1.37
14	q	508	CLA	C4D-ND	-3.16	1.33	1.37
14	B	1234	CLA	C1D-ND	3.16	1.41	1.37
14	6	516	CLA	C4D-ND	-3.16	1.33	1.37
14	e	1125	CLA	C1D-ND	3.16	1.41	1.37
14	Z	518	CLA	C4D-ND	-3.16	1.33	1.37
14	A	1113	CLA	C1D-ND	3.16	1.41	1.37
14	Y	504	CLA	C4D-ND	-3.16	1.33	1.37
14	B	1201	CLA	C4D-ND	-3.16	1.33	1.37
14	q	518	CLA	C4D-ND	-3.16	1.33	1.37
14	t	505	CLA	C4D-ND	-3.16	1.33	1.37
14	d	516	CLA	C4D-ND	-3.16	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1234	CLA	CHC-C1C	3.16	1.43	1.35
14	G	1123	CLA	C1D-ND	3.16	1.41	1.37
14	G	1138	CLA	C1D-ND	3.16	1.41	1.37
14	B	1234	CLA	CHC-C1C	3.16	1.43	1.35
14	Y	519	CLA	CHC-C1C	3.16	1.43	1.35
14	H	1205	CLA	C4D-ND	-3.16	1.33	1.37
14	G	1136	CLA	C1D-ND	3.16	1.41	1.37
14	H	1216	CLA	C1D-ND	3.16	1.41	1.37
14	e	1132	CLA	C1D-ND	3.16	1.41	1.37
14	a	509	CLA	C4D-ND	-3.16	1.33	1.37
14	v	516	CLA	C4D-ND	-3.16	1.33	1.37
14	b	517	CLA	C4D-ND	-3.16	1.33	1.37
14	v	511	CLA	C4D-ND	-3.16	1.33	1.37
14	q	506	CLA	CHC-C1C	3.15	1.43	1.35
14	H	1215	CLA	C1D-ND	3.15	1.41	1.37
14	2	513	CLA	C4D-ND	-3.15	1.33	1.37
14	q	511	CLA	C4D-ND	-3.15	1.33	1.37
14	4	517	CLA	C4D-ND	-3.15	1.33	1.37
14	u	504	CLA	C4D-ND	-3.15	1.33	1.37
14	H	1201	CLA	CHC-C1C	3.15	1.43	1.35
14	G	1119	CLA	C1D-ND	3.15	1.41	1.37
14	3	516	CLA	C4D-ND	-3.15	1.33	1.37
14	6	502	CLA	C4D-ND	-3.15	1.33	1.37
14	a	516	CLA	C4D-ND	-3.15	1.33	1.37
14	Z	513	CLA	C4D-ND	-3.15	1.33	1.37
14	r	513	CLA	C4D-ND	-3.15	1.33	1.37
14	m	1401	CLA	CHC-C1C	3.15	1.43	1.35
14	5	505	CLA	C4D-ND	-3.15	1.33	1.37
14	Y	510	CLA	C4D-ND	-3.15	1.33	1.37
14	s	516	CLA	C4D-ND	-3.15	1.33	1.37
21	3	822	SQD	O48-C23	3.15	1.42	1.33
14	r	501	CLA	C4D-ND	-3.15	1.33	1.37
14	r	503	CLA	C4D-ND	-3.15	1.33	1.37
14	G	1137	CLA	C1D-ND	3.15	1.41	1.37
14	e	1113	CLA	C1D-ND	3.15	1.41	1.37
14	U	1401	CLA	CHC-C1C	3.15	1.43	1.35
14	e	1117	CLA	CMB-C2B	-3.15	1.45	1.51
21	Y	822	SQD	O48-C23	3.15	1.42	1.33
14	B	1215	CLA	CMB-C2B	-3.15	1.45	1.51
14	H	1215	CLA	CMB-C2B	-3.15	1.45	1.51
14	6	511	CLA	C4D-ND	-3.15	1.33	1.37
14	q	519	CLA	CHC-C1C	3.15	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	510	CLA	C4D-ND	-3.15	1.33	1.37
14	c	505	CLA	C4D-ND	-3.15	1.33	1.37
14	c	517	CLA	C4D-ND	-3.15	1.33	1.37
14	s	503	CLA	C4D-ND	-3.15	1.33	1.37
21	1	822	SQD	O48-C23	3.15	1.42	1.33
14	H	1225	CLA	CMD-C2D	-3.15	1.44	1.50
14	H	1240	CLA	CHC-C1C	3.14	1.43	1.35
14	B	1240	CLA	CHC-C1C	3.14	1.43	1.35
14	5	503	CLA	C4D-ND	-3.14	1.33	1.37
14	f	1201	CLA	C4D-ND	-3.14	1.33	1.37
21	q	822	SQD	O48-C23	3.14	1.42	1.33
14	H	1234	CLA	C1D-ND	3.14	1.41	1.37
14	e	1123	CLA	C1D-ND	3.14	1.41	1.37
14	2	505	CLA	C4D-ND	-3.14	1.33	1.37
14	H	1231	CLA	C1D-ND	3.14	1.41	1.37
14	2	510	CLA	C4D-ND	-3.14	1.33	1.37
14	Y	506	CLA	CHC-C1C	3.14	1.43	1.35
14	1	505	CLA	C4D-ND	-3.14	1.33	1.37
14	Z	501	CLA	C4D-ND	-3.14	1.33	1.37
14	a	505	CLA	C4D-ND	-3.14	1.33	1.37
14	r	507	CLA	C4D-ND	-3.14	1.33	1.37
14	r	508	CLA	CMB-C2B	-3.14	1.45	1.51
14	H	1228	CLA	CHC-C1C	3.14	1.43	1.35
14	f	1240	CLA	CHC-C1C	3.14	1.43	1.35
21	s	822	SQD	O48-C23	3.14	1.42	1.33
14	4	505	CLA	C4D-ND	-3.14	1.33	1.37
14	j	1302	CLA	C4D-ND	-3.14	1.33	1.37
14	r	505	CLA	C4D-ND	-3.14	1.33	1.37
14	v	517	CLA	C4D-ND	-3.14	1.33	1.37
14	f	1228	CLA	CHC-C1C	3.14	1.43	1.35
14	2	501	CLA	C4D-ND	-3.14	1.33	1.37
14	q	505	CLA	C4D-ND	-3.14	1.33	1.37
14	e	1116	CLA	CHC-C1C	3.14	1.43	1.35
14	f	1225	CLA	CMD-C2D	-3.14	1.44	1.50
14	q	506	CLA	C4D-ND	-3.14	1.33	1.37
14	b	519	CLA	CHC-C1C	3.14	1.43	1.35
14	Y	506	CLA	C4D-ND	-3.13	1.33	1.37
14	c	503	CLA	C4D-ND	-3.13	1.33	1.37
14	1	506	CLA	CHC-C1C	3.13	1.43	1.35
14	A	1119	CLA	C1D-ND	3.13	1.41	1.37
14	e	1138	CLA	C1D-ND	3.13	1.41	1.37
14	B	1236	CLA	C1D-ND	3.13	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	3	507	CLA	C4D-ND	-3.13	1.33	1.37
14	Z	517	CLA	C4D-ND	-3.13	1.33	1.37
14	a	507	CLA	C4D-ND	-3.13	1.33	1.37
14	A	1125	CLA	C1D-ND	3.13	1.41	1.37
14	e	1119	CLA	C1D-ND	3.13	1.41	1.37
14	B	1219	CLA	C4D-ND	-3.13	1.33	1.37
14	c	519	CLA	C4D-ND	-3.13	1.33	1.37
14	A	1137	CLA	C1D-ND	3.13	1.41	1.37
14	B	1231	CLA	C1D-ND	3.13	1.41	1.37
14	G	1112	CLA	CHC-C1C	3.13	1.43	1.35
14	c	504	CLA	C4D-ND	-3.13	1.33	1.37
14	4	519	CLA	CHC-C1C	3.13	1.43	1.35
14	B	1225	CLA	CMD-C2D	-3.13	1.44	1.50
14	Y	517	CLA	C4D-ND	-3.13	1.33	1.37
14	1	519	CLA	CHC-C1C	3.13	1.43	1.35
14	s	510	CLA	C4D-ND	-3.13	1.33	1.37
14	e	1137	CLA	C1D-ND	3.13	1.41	1.37
14	G	1121	CLA	CMB-C2B	-3.13	1.45	1.51
14	H	1023	CLA	CHC-C1C	3.13	1.43	1.35
14	d	502	CLA	C4D-ND	-3.13	1.33	1.37
14	2	517	CLA	C4D-ND	-3.12	1.33	1.37
14	1	511	CLA	C4D-ND	-3.12	1.33	1.37
14	Y	511	CLA	C4D-ND	-3.12	1.33	1.37
14	d	503	CLA	C4D-ND	-3.12	1.33	1.37
14	B	1205	CLA	C4D-ND	-3.12	1.33	1.37
14	a	519	CLA	C4D-ND	-3.12	1.33	1.37
14	b	501	CLA	CHC-C1C	3.12	1.43	1.35
14	b	505	CLA	C4D-ND	-3.12	1.33	1.37
14	t	519	CLA	CHC-C1C	3.12	1.43	1.35
14	A	1123	CLA	C1D-ND	3.12	1.41	1.37
14	G	1118	CLA	C1D-ND	3.12	1.41	1.37
14	G	1140	CLA	C1D-ND	3.12	1.41	1.37
14	t	501	CLA	CHC-C1C	3.12	1.43	1.35
14	3	517	CLA	C4D-ND	-3.12	1.33	1.37
14	5	519	CLA	C4D-ND	-3.12	1.33	1.37
14	Y	518	CLA	C4D-ND	-3.12	1.33	1.37
14	6	517	CLA	C4D-ND	-3.12	1.33	1.37
14	s	512	CLA	C4D-ND	-3.12	1.33	1.37
14	B	1229	CLA	CHC-C1C	3.12	1.43	1.35
14	a	503	CLA	C4D-ND	-3.12	1.33	1.37
14	e	1123	CLA	C4D-ND	-3.12	1.33	1.37
14	v	506	CLA	C4D-ND	-3.12	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1121	CLA	CMB-C2B	-3.12	1.45	1.51
14	A	1116	CLA	CHC-C1C	3.12	1.43	1.35
14	5	504	CLA	C4D-ND	-3.12	1.33	1.37
14	6	503	CLA	C4D-ND	-3.12	1.33	1.37
14	G	1123	CLA	C4D-ND	-3.12	1.33	1.37
14	v	503	CLA	C4D-ND	-3.12	1.33	1.37
14	4	501	CLA	CHC-C1C	3.12	1.43	1.35
14	2	507	CLA	C4D-ND	-3.12	1.33	1.37
14	Z	502	CLA	C4D-ND	-3.12	1.33	1.37
14	u	509	CLA	C4D-ND	-3.12	1.33	1.37
14	A	1118	CLA	C1D-ND	3.12	1.41	1.37
14	f	1205	CLA	C4D-ND	-3.12	1.33	1.37
14	Z	507	CLA	C4D-ND	-3.11	1.33	1.37
14	v	519	CLA	C4D-ND	-3.11	1.33	1.37
14	A	1138	CLA	C1D-ND	3.11	1.41	1.37
14	t	518	CLA	C4D-ND	-3.11	1.33	1.37
14	e	1112	CLA	C1D-ND	3.11	1.41	1.37
14	B	1023	CLA	CHC-C1C	3.11	1.42	1.35
14	A	1121	CLA	CMB-C2B	-3.11	1.45	1.51
14	A	1123	CLA	C4D-ND	-3.11	1.33	1.37
14	6	519	CLA	C4D-ND	-3.11	1.33	1.37
14	Z	516	CLA	C4D-ND	-3.11	1.33	1.37
14	B	1216	CLA	C1D-ND	3.11	1.41	1.37
14	u	513	CLA	CHC-C1C	3.11	1.42	1.35
14	1	517	CLA	C4D-ND	-3.11	1.33	1.37
14	3	503	CLA	C4D-ND	-3.11	1.33	1.37
14	a	510	CLA	C4D-ND	-3.11	1.33	1.37
14	r	510	CLA	C4D-ND	-3.11	1.33	1.37
14	a	501	CLA	CHC-C1C	3.11	1.42	1.35
14	e	1112	CLA	CHC-C1C	3.11	1.42	1.35
14	B	1228	CLA	CHC-C1C	3.11	1.42	1.35
14	G	1125	CLA	C1D-ND	3.11	1.41	1.37
14	a	517	CLA	C4D-ND	-3.11	1.33	1.37
14	r	511	CLA	C4D-ND	-3.11	1.33	1.37
14	G	1116	CLA	CHC-C1C	3.11	1.42	1.35
14	v	509	CLA	CHC-C1C	3.11	1.42	1.35
14	f	1231	CLA	C1D-ND	3.11	1.41	1.37
21	B	1852	SQD	O48-C23	3.11	1.42	1.33
14	u	519	CLA	C4D-ND	-3.11	1.33	1.37
14	f	1023	CLA	CHC-C1C	3.11	1.42	1.35
14	f	1236	CLA	C1D-ND	3.11	1.41	1.37
14	1	510	CLA	C4D-ND	-3.10	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	509	CLA	C4D-ND	-3.10	1.33	1.37
14	A	1112	CLA	CHC-C1C	3.10	1.42	1.35
14	B	1227	CLA	C1D-ND	3.10	1.41	1.37
14	3	501	CLA	CHC-C1C	3.10	1.42	1.35
14	Z	504	CLA	C4D-ND	-3.10	1.33	1.37
14	s	501	CLA	CHC-C1C	3.10	1.42	1.35
14	Z	512	CLA	C1D-ND	3.10	1.41	1.37
14	B	1207	CLA	CHC-C1C	3.10	1.42	1.35
14	6	510	CLA	CHC-C1C	3.10	1.42	1.35
14	b	518	CLA	C4D-ND	-3.10	1.33	1.37
14	Y	513	CLA	CHC-C1C	3.10	1.42	1.35
14	u	518	CLA	CHC-C1C	3.10	1.42	1.35
14	6	506	CLA	C4D-ND	-3.10	1.33	1.37
14	t	513	CLA	C4D-ND	-3.10	1.33	1.37
14	f	1216	CLA	C1D-ND	3.10	1.41	1.37
14	H	1229	CLA	CHC-C1C	3.10	1.42	1.35
14	2	516	CLA	C4D-ND	-3.10	1.33	1.37
14	a	502	CLA	C4D-ND	-3.10	1.33	1.37
14	u	502	CLA	C4D-ND	-3.10	1.33	1.37
14	H	1202	CLA	C1D-ND	3.10	1.41	1.37
14	r	516	CLA	C4D-ND	-3.10	1.33	1.37
14	f	1229	CLA	CHC-C1C	3.10	1.42	1.35
14	3	510	CLA	C4D-ND	-3.10	1.33	1.37
14	e	1801	CLA	C1D-ND	3.09	1.41	1.37
14	5	513	CLA	CHC-C1C	3.09	1.42	1.35
14	H	1207	CLA	CHC-C1C	3.09	1.42	1.35
14	1	513	CLA	CHC-C1C	3.09	1.42	1.35
14	c	511	CLA	C4D-ND	-3.09	1.33	1.37
14	s	507	CLA	C4D-ND	-3.09	1.33	1.37
14	H	1236	CLA	C1D-ND	3.09	1.41	1.37
14	u	508	CLA	CMB-C2B	-3.09	1.45	1.51
14	6	512	CLA	C4D-ND	-3.09	1.33	1.37
14	B	1213	CLA	C1D-ND	3.09	1.41	1.37
14	r	512	CLA	C1D-ND	3.09	1.41	1.37
21	H	1852	SQD	O48-C23	3.09	1.42	1.33
14	b	501	CLA	C4D-ND	-3.09	1.33	1.37
14	f	1207	CLA	CHC-C1C	3.09	1.42	1.35
21	f	1852	SQD	O48-C23	3.09	1.42	1.33
14	d	506	CLA	C4D-ND	-3.09	1.33	1.37
14	u	518	CLA	C4D-ND	-3.09	1.33	1.37
14	c	513	CLA	CHC-C1C	3.09	1.42	1.35
14	6	518	CLA	C4D-ND	-3.09	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1219	CLA	C4D-ND	-3.09	1.33	1.37
14	c	508	CLA	CMB-C2B	-3.09	1.45	1.51
14	2	502	CLA	C4D-ND	-3.09	1.33	1.37
14	d	512	CLA	C4D-ND	-3.09	1.33	1.37
14	v	518	CLA	C4D-ND	-3.09	1.33	1.37
14	c	517	CLA	CHC-C1C	3.09	1.42	1.35
14	u	511	CLA	C4D-ND	-3.09	1.33	1.37
14	t	513	CLA	CHC-C1C	3.09	1.42	1.35
14	r	513	CLA	CHC-C1C	3.09	1.42	1.35
14	d	509	CLA	CHC-C1C	3.09	1.42	1.35
14	6	504	CLA	CHC-C1C	3.09	1.42	1.35
14	A	1112	CLA	C1D-ND	3.09	1.41	1.37
14	q	513	CLA	CHC-C1C	3.08	1.42	1.35
14	T	1303	CLA	C4D-ND	-3.08	1.33	1.37
14	d	504	CLA	C4D-ND	-3.08	1.33	1.37
14	q	517	CLA	C4D-ND	-3.08	1.33	1.37
14	H	1227	CLA	CMB-C2B	-3.08	1.45	1.51
14	d	517	CLA	C4D-ND	-3.08	1.33	1.37
14	e	1118	CLA	C1D-ND	3.08	1.41	1.37
14	5	508	CLA	CMB-C2B	-3.08	1.45	1.51
14	c	518	CLA	CHC-C1C	3.08	1.42	1.35
14	5	518	CLA	C4D-ND	-3.08	1.33	1.37
14	H	1213	CLA	C1D-ND	3.08	1.41	1.37
14	B	1202	CLA	CHC-C1C	3.08	1.42	1.35
14	5	518	CLA	CHC-C1C	3.08	1.42	1.35
14	v	510	CLA	CHC-C1C	3.08	1.42	1.35
14	b	502	CLA	C4D-ND	-3.08	1.33	1.37
14	q	510	CLA	C4D-ND	-3.08	1.33	1.37
14	f	1202	CLA	CHC-C1C	3.08	1.42	1.35
14	r	517	CLA	C4D-ND	-3.08	1.33	1.37
14	H	1202	CLA	CHC-C1C	3.08	1.42	1.35
14	d	518	CLA	C4D-ND	-3.08	1.33	1.37
14	f	1221	CLA	CHC-C1C	3.08	1.42	1.35
14	B	1221	CLA	CHC-C1C	3.08	1.42	1.35
14	5	511	CLA	C4D-ND	-3.08	1.33	1.37
14	t	509	CLA	C4D-ND	-3.08	1.33	1.37
14	d	510	CLA	CHC-C1C	3.08	1.42	1.35
14	A	1801	CLA	C1D-ND	3.08	1.41	1.37
14	G	1138	CLA	CHC-C1C	3.08	1.42	1.35
14	f	1021	CLA	CMD-C2D	-3.08	1.44	1.50
14	3	502	CLA	C4D-ND	-3.08	1.33	1.37
14	4	513	CLA	C4D-ND	-3.08	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1221	CLA	CHC-C1C	3.08	1.42	1.35
14	B	1209	CLA	C4D-ND	-3.08	1.33	1.37
14	4	509	CLA	C4D-ND	-3.08	1.33	1.37
14	f	1227	CLA	C1D-ND	3.08	1.41	1.37
14	l	1303	CLA	C4D-ND	-3.08	1.33	1.37
14	J	1303	CLA	C4D-ND	-3.08	1.33	1.37
14	3	503	CLA	CHC-C1C	3.08	1.42	1.35
14	d	506	CLA	CHC-C1C	3.08	1.42	1.35
14	c	502	CLA	C4D-ND	-3.07	1.33	1.37
14	t	511	CLA	C4D-ND	-3.07	1.33	1.37
14	e	1139	CLA	CHC-C1C	3.07	1.42	1.35
14	G	1112	CLA	C1D-ND	3.07	1.41	1.37
14	H	1209	CLA	CHC-C1C	3.07	1.42	1.35
14	2	512	CLA	C4D-ND	-3.07	1.33	1.37
14	6	504	CLA	C4D-ND	-3.07	1.33	1.37
14	f	1219	CLA	C4D-ND	-3.07	1.33	1.37
14	A	1140	CLA	C1D-ND	3.07	1.41	1.37
14	v	504	CLA	CHC-C1C	3.07	1.42	1.35
14	3	512	CLA	C4D-ND	-3.07	1.33	1.37
14	H	1209	CLA	C4D-ND	-3.07	1.33	1.37
14	s	505	CLA	C4D-ND	-3.07	1.33	1.37
14	u	503	CLA	C4D-ND	-3.07	1.33	1.37
14	G	1801	CLA	C1D-ND	3.07	1.41	1.37
14	6	509	CLA	CHC-C1C	3.07	1.42	1.35
14	t	501	CLA	C4D-ND	-3.07	1.33	1.37
14	2	512	CLA	C1D-ND	3.07	1.41	1.37
14	f	1209	CLA	CHC-C1C	3.07	1.42	1.35
14	f	1213	CLA	CHC-C1C	3.07	1.42	1.35
14	v	508	CLA	CMB-C2B	-3.07	1.45	1.51
14	f	1209	CLA	C4D-ND	-3.07	1.33	1.37
14	b	513	CLA	CHC-C1C	3.07	1.42	1.35
14	3	505	CLA	C4D-ND	-3.07	1.33	1.37
14	4	518	CLA	C4D-ND	-3.07	1.33	1.37
14	H	1227	CLA	C1D-ND	3.07	1.41	1.37
14	d	519	CLA	C4D-ND	-3.07	1.33	1.37
14	5	517	CLA	CHC-C1C	3.07	1.42	1.35
14	B	1209	CLA	CHC-C1C	3.07	1.42	1.35
14	A	1108	CLA	C1D-ND	3.07	1.41	1.37
14	e	1117	CLA	C1D-ND	3.07	1.41	1.37
14	f	1213	CLA	C1D-ND	3.07	1.41	1.37
14	6	506	CLA	CHC-C1C	3.07	1.42	1.35
14	2	511	CLA	C4D-ND	-3.07	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1139	CLA	CHC-C1C	3.07	1.42	1.35
14	6	508	CLA	CMB-C2B	-3.06	1.45	1.51
14	c	518	CLA	C4D-ND	-3.06	1.33	1.37
14	s	503	CLA	CHC-C1C	3.06	1.42	1.35
14	2	504	CLA	C4D-ND	-3.06	1.33	1.37
14	r	512	CLA	C4D-ND	-3.06	1.33	1.37
14	4	501	CLA	C4D-ND	-3.06	1.33	1.37
14	q	513	CLA	C4D-ND	-3.06	1.33	1.37
14	G	1109	CLA	C1D-ND	3.06	1.41	1.37
14	B	1205	CLA	C1D-ND	3.06	1.41	1.37
14	A	1139	CLA	CHC-C1C	3.06	1.42	1.35
14	A	1138	CLA	CHC-C1C	3.06	1.42	1.35
14	A	1013	CLA	CHC-C1C	3.06	1.42	1.35
14	2	513	CLA	CHC-C1C	3.06	1.42	1.35
14	r	504	CLA	C4D-ND	-3.06	1.33	1.37
14	Z	512	CLA	C4D-ND	-3.06	1.33	1.37
14	Z	513	CLA	CHC-C1C	3.06	1.42	1.35
14	e	1138	CLA	CHC-C1C	3.06	1.42	1.35
14	e	1139	CLA	C1D-ND	3.06	1.41	1.37
14	e	1104	CLA	C1D-ND	3.06	1.41	1.37
14	e	1121	CLA	C1D-ND	3.06	1.41	1.37
14	B	1227	CLA	CMB-C2B	-3.06	1.45	1.51
14	c	513	CLA	C4D-ND	-3.06	1.33	1.37
14	4	513	CLA	CHC-C1C	3.06	1.42	1.35
14	t	509	CLA	CHC-C1C	3.06	1.42	1.35
14	H	1213	CLA	CHC-C1C	3.06	1.42	1.35
14	c	516	CLA	C4D-ND	-3.05	1.33	1.37
14	u	516	CLA	C4D-ND	-3.05	1.33	1.37
14	t	511	CLA	CHC-C1C	3.05	1.42	1.35
14	5	516	CLA	C4D-ND	-3.05	1.33	1.37
14	B	1213	CLA	CHC-C1C	3.05	1.42	1.35
14	G	1108	CLA	C1D-ND	3.05	1.41	1.37
14	B	1021	CLA	CMD-C2D	-3.05	1.44	1.50
14	v	516	CLA	CHC-C1C	3.05	1.42	1.35
14	e	1108	CLA	C1D-ND	3.05	1.41	1.37
14	d	508	CLA	CMB-C2B	-3.05	1.45	1.51
14	a	504	CLA	CHC-C1C	3.05	1.42	1.35
14	G	1135	CLA	CMD-C2D	-3.05	1.44	1.50
14	G	1130	CLA	CHC-C1C	3.05	1.42	1.35
14	Z	511	CLA	C4D-ND	-3.05	1.33	1.37
14	a	503	CLA	CHC-C1C	3.05	1.42	1.35
14	1	512	CLA	C4D-ND	-3.05	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c	506	CLA	CHC-C1C	3.05	1.42	1.35
14	f	1217	CLA	CHC-C1C	3.05	1.42	1.35
14	Y	510	CLA	CHC-C1C	3.05	1.42	1.35
14	d	511	CLA	CHC-C1C	3.05	1.42	1.35
14	s	511	CLA	CHC-C1C	3.05	1.42	1.35
14	5	502	CLA	C4D-ND	-3.05	1.33	1.37
14	5	513	CLA	C4D-ND	-3.05	1.33	1.37
14	a	512	CLA	C4D-ND	-3.05	1.33	1.37
14	r	502	CLA	C4D-ND	-3.05	1.33	1.37
14	A	1135	CLA	CMD-C2D	-3.05	1.44	1.50
14	a	509	CLA	CHC-C1C	3.05	1.42	1.35
14	c	512	CLA	C4D-ND	-3.05	1.33	1.37
14	e	1115	CLA	C1D-ND	3.05	1.41	1.37
14	B	1217	CLA	CHC-C1C	3.05	1.42	1.35
14	v	506	CLA	CHC-C1C	3.05	1.42	1.35
14	q	512	CLA	C4D-ND	-3.04	1.33	1.37
14	d	504	CLA	CHC-C1C	3.04	1.42	1.35
14	5	509	CLA	CHC-C1C	3.04	1.42	1.35
14	v	512	CLA	C4D-ND	-3.04	1.33	1.37
14	l	513	CLA	C4D-ND	-3.04	1.33	1.37
14	4	509	CLA	CHC-C1C	3.04	1.42	1.35
14	G	1013	CLA	CHC-C1C	3.04	1.42	1.35
14	a	517	CLA	CHC-C1C	3.04	1.42	1.35
14	c	509	CLA	CHC-C1C	3.04	1.42	1.35
14	G	1104	CLA	C1D-ND	3.04	1.41	1.37
14	v	504	CLA	C4D-ND	-3.04	1.33	1.37
14	u	517	CLA	CHC-C1C	3.04	1.42	1.35
14	4	511	CLA	CHC-C1C	3.04	1.42	1.35
14	e	1106	CLA	C1D-ND	3.04	1.41	1.37
14	n	1502	CLA	CHC-C1C	3.04	1.42	1.35
14	e	1135	CLA	CMD-C2D	-3.04	1.44	1.50
14	3	509	CLA	CHC-C1C	3.04	1.42	1.35
14	A	1130	CLA	CHC-C1C	3.04	1.42	1.35
14	b	511	CLA	CHC-C1C	3.04	1.42	1.35
14	b	516	CLA	CHC-C1C	3.04	1.42	1.35
14	L	1502	CLA	CHC-C1C	3.04	1.42	1.35
14	c	505	CLA	CHC-C1C	3.04	1.42	1.35
14	e	1801	CLA	CHC-C1C	3.04	1.42	1.35
14	H	1210	CLA	CHC-C1C	3.04	1.42	1.35
14	c	504	CLA	CHC-C1C	3.04	1.42	1.35
14	t	506	CLA	C4D-ND	-3.04	1.33	1.37
14	t	512	CLA	C4D-ND	-3.04	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	5	505	CLA	CHC-C1C	3.03	1.42	1.35
14	4	511	CLA	C4D-ND	-3.03	1.33	1.37
14	A	1115	CLA	C1D-ND	3.03	1.41	1.37
14	e	1140	CLA	C1D-ND	3.03	1.41	1.37
14	e	1104	CLA	CHC-C1C	3.03	1.42	1.35
14	u	505	CLA	CHC-C1C	3.03	1.42	1.35
14	e	1013	CLA	CHC-C1C	3.03	1.42	1.35
14	v	501	CLA	CHC-C1C	3.03	1.42	1.35
14	d	516	CLA	CHC-C1C	3.03	1.42	1.35
14	f	1210	CLA	CHC-C1C	3.03	1.42	1.35
14	H	1021	CLA	CMD-C2D	-3.03	1.44	1.50
14	b	513	CLA	C4D-ND	-3.03	1.33	1.37
14	H	1206	CLA	C1D-ND	3.03	1.41	1.37
14	6	516	CLA	CHC-C1C	3.03	1.42	1.35
14	f	1220	CLA	C1D-ND	3.03	1.41	1.37
14	b	509	CLA	CHC-C1C	3.03	1.42	1.35
14	s	517	CLA	CHC-C1C	3.03	1.42	1.35
14	4	506	CLA	C4D-ND	-3.03	1.33	1.37
14	1	510	CLA	CHC-C1C	3.03	1.42	1.35
14	f	1208	CLA	CHC-C1C	3.03	1.42	1.35
14	Y	512	CLA	C4D-ND	-3.03	1.33	1.37
14	s	509	CLA	CHC-C1C	3.03	1.42	1.35
14	Y	513	CLA	C4D-ND	-3.03	1.33	1.37
14	A	1109	CLA	C1D-ND	3.03	1.41	1.37
14	Z	510	CLA	CHC-C1C	3.03	1.42	1.35
14	q	510	CLA	CHC-C1C	3.03	1.42	1.35
14	3	517	CLA	CHC-C1C	3.03	1.42	1.35
14	B	1210	CLA	CHC-C1C	3.03	1.42	1.35
14	B	1227	CLA	CHC-C1C	3.02	1.42	1.35
14	H	1208	CLA	CHC-C1C	3.02	1.42	1.35
14	3	504	CLA	CHC-C1C	3.02	1.42	1.35
14	3	510	CLA	CHC-C1C	3.02	1.42	1.35
14	G	1115	CLA	CHC-C1C	3.02	1.42	1.35
14	A	1139	CLA	C1D-ND	3.02	1.41	1.37
14	G	1104	CLA	CHC-C1C	3.02	1.42	1.35
14	u	503	CLA	CHC-C1C	3.02	1.42	1.35
14	A	1104	CLA	CHC-C1C	3.02	1.42	1.35
14	A	1117	CLA	C1D-ND	3.02	1.41	1.37
14	G	1124	CLA	CMB-C2B	-3.02	1.45	1.51
14	5	512	CLA	C4D-ND	-3.02	1.33	1.37
14	2	510	CLA	CHC-C1C	3.02	1.42	1.35
14	s	504	CLA	CHC-C1C	3.02	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1227	CLA	C3B-C2B	-3.02	1.36	1.40
14	V	1502	CLA	CHC-C1C	3.02	1.42	1.35
14	H	1227	CLA	C3B-C2B	-3.02	1.36	1.40
14	s	502	CLA	C4D-ND	-3.02	1.33	1.37
14	3	511	CLA	CHC-C1C	3.02	1.42	1.35
14	b	506	CLA	CHC-C1C	3.02	1.42	1.35
14	J	1303	CLA	CHC-C1C	3.02	1.42	1.35
14	H	1227	CLA	CHC-C1C	3.02	1.42	1.35
14	H	1205	CLA	C1D-ND	3.02	1.41	1.37
14	5	512	CLA	CHC-C1C	3.02	1.42	1.35
14	G	1106	CLA	C1D-ND	3.02	1.41	1.37
14	G	1117	CLA	C1D-ND	3.02	1.41	1.37
14	4	506	CLA	CHC-C1C	3.02	1.42	1.35
14	4	516	CLA	CHC-C1C	3.02	1.42	1.35
14	G	1105	CLA	C1D-ND	3.02	1.41	1.37
14	G	1801	CLA	CHC-C1C	3.02	1.42	1.35
14	A	1124	CLA	CMB-C2B	-3.02	1.45	1.51
14	B	1220	CLA	C1D-ND	3.02	1.41	1.37
14	5	506	CLA	CHC-C1C	3.02	1.42	1.35
14	f	1227	CLA	CMB-C2B	-3.02	1.45	1.51
14	f	1227	CLA	CHC-C1C	3.02	1.42	1.35
14	l	1303	CLA	CHC-C1C	3.02	1.42	1.35
14	b	505	CLA	CHC-C1C	3.02	1.42	1.35
14	e	1130	CLA	CHC-C1C	3.02	1.42	1.35
14	a	511	CLA	CHC-C1C	3.02	1.42	1.35
14	v	505	CLA	CHC-C1C	3.02	1.42	1.35
14	u	512	CLA	CHC-C1C	3.01	1.42	1.35
14	6	519	CLA	CHC-C1C	3.01	1.42	1.35
14	e	1124	CLA	CMB-C2B	-3.01	1.45	1.51
14	A	1104	CLA	C1D-ND	3.01	1.41	1.37
14	s	511	CLA	C4D-ND	-3.01	1.33	1.37
14	6	511	CLA	CHC-C1C	3.01	1.42	1.35
14	c	512	CLA	CHC-C1C	3.01	1.42	1.35
14	b	506	CLA	C4D-ND	-3.01	1.33	1.37
14	a	510	CLA	CHC-C1C	3.01	1.42	1.35
14	5	504	CLA	CHC-C1C	3.01	1.42	1.35
14	r	510	CLA	CHC-C1C	3.01	1.42	1.35
14	v	519	CLA	CHC-C1C	3.01	1.42	1.35
14	a	511	CLA	C4D-ND	-3.01	1.33	1.37
14	e	1105	CLA	C1D-ND	3.01	1.41	1.37
14	t	503	CLA	CHC-C1C	3.01	1.42	1.35
14	u	509	CLA	CHC-C1C	3.01	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1217	CLA	CHC-C1C	3.01	1.42	1.35
14	t	518	CLA	CHC-C1C	3.01	1.42	1.35
14	f	1227	CLA	C3B-C2B	-3.01	1.36	1.40
14	s	510	CLA	CHC-C1C	3.01	1.42	1.35
14	u	512	CLA	C4D-ND	-3.01	1.33	1.37
14	A	1801	CLA	CHC-C1C	3.01	1.42	1.35
14	e	1120	CLA	CHC-C1C	3.01	1.42	1.35
14	b	518	CLA	CHC-C1C	3.01	1.42	1.35
14	d	519	CLA	CHC-C1C	3.01	1.42	1.35
14	u	516	CLA	CHC-C1C	3.01	1.42	1.35
14	4	510	CLA	CHC-C1C	3.01	1.42	1.35
14	f	1205	CLA	C1D-ND	3.01	1.41	1.37
14	A	1115	CLA	CHC-C1C	3.01	1.42	1.35
14	B	1208	CLA	CHC-C1C	3.01	1.42	1.35
14	u	504	CLA	CHC-C1C	3.01	1.42	1.35
14	b	503	CLA	CHC-C1C	3.01	1.42	1.35
14	5	503	CLA	CHC-C1C	3.01	1.42	1.35
14	A	1106	CLA	C1D-ND	3.00	1.41	1.37
14	t	510	CLA	CHC-C1C	3.00	1.42	1.35
14	4	502	CLA	C4D-ND	-3.00	1.33	1.37
14	4	512	CLA	C4D-ND	-3.00	1.33	1.37
14	c	507	CLA	C4D-ND	-3.00	1.33	1.37
14	t	504	CLA	C4D-ND	-3.00	1.33	1.37
14	d	501	CLA	CHC-C1C	3.00	1.42	1.35
14	3	511	CLA	C4D-ND	-3.00	1.33	1.37
14	4	518	CLA	CHC-C1C	3.00	1.42	1.35
14	u	501	CLA	CHC-C1C	3.00	1.42	1.35
14	G	1121	CLA	C1D-ND	3.00	1.41	1.37
14	e	1011	CLA	CMB-C2B	-3.00	1.45	1.51
14	A	1121	CLA	C1D-ND	3.00	1.41	1.37
14	a	516	CLA	CHC-C1C	3.00	1.42	1.35
14	c	516	CLA	CHC-C1C	3.00	1.42	1.35
14	5	516	CLA	CHC-C1C	3.00	1.42	1.35
14	c	503	CLA	CHC-C1C	3.00	1.42	1.35
14	u	513	CLA	C4D-ND	-3.00	1.33	1.37
14	e	1115	CLA	CHC-C1C	3.00	1.42	1.35
14	f	1023	CLA	CMC-C2C	-3.00	1.44	1.50
14	4	505	CLA	CHC-C1C	3.00	1.42	1.35
14	s	516	CLA	CHC-C1C	3.00	1.42	1.35
14	s	513	CLA	C4D-ND	-3.00	1.33	1.37
14	t	502	CLA	C4D-ND	-3.00	1.33	1.37
14	t	510	CLA	C4D-ND	-3.00	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	6	501	CLA	CHC-C1C	3.00	1.42	1.35
14	t	506	CLA	CHC-C1C	3.00	1.42	1.35
14	3	504	CLA	C4D-ND	-3.00	1.33	1.37
14	Z	501	CLA	CHC-C1C	2.99	1.42	1.35
14	b	510	CLA	CHC-C1C	2.99	1.42	1.35
14	f	1235	CLA	CHC-C1C	2.99	1.42	1.35
14	A	1013	CLA	CMB-C2B	-2.99	1.45	1.51
14	3	516	CLA	CHC-C1C	2.99	1.42	1.35
14	6	505	CLA	CHC-C1C	2.99	1.42	1.35
14	T	1303	CLA	CHC-C1C	2.99	1.42	1.35
15	f	2002	PQN	C5-C4	-2.99	1.42	1.48
14	4	503	CLA	CHC-C1C	2.99	1.42	1.35
14	G	1013	CLA	CMB-C2B	-2.99	1.45	1.51
14	u	506	CLA	CHC-C1C	2.99	1.42	1.35
14	q	501	CLA	CHC-C1C	2.99	1.42	1.35
14	G	1126	CLA	CHC-C1C	2.99	1.42	1.35
14	A	1105	CLA	C1D-ND	2.99	1.41	1.37
14	5	501	CLA	CHC-C1C	2.99	1.42	1.35
14	d	505	CLA	CHC-C1C	2.99	1.42	1.35
14	A	1120	CLA	CHC-C1C	2.99	1.42	1.35
14	Y	507	CLA	C4D-ND	-2.99	1.33	1.37
14	G	1139	CLA	C1D-ND	2.99	1.41	1.37
14	c	519	CLA	CHC-C1C	2.99	1.42	1.35
14	t	505	CLA	CHC-C1C	2.99	1.42	1.35
14	A	1126	CLA	CHC-C1C	2.99	1.42	1.35
14	s	518	CLA	CHC-C1C	2.99	1.42	1.35
14	1	518	CLA	CHC-C1C	2.99	1.42	1.35
14	G	1120	CLA	CHC-C1C	2.99	1.42	1.35
14	H	1216	CLA	CHC-C1C	2.99	1.42	1.35
14	B	1206	CLA	C1D-ND	2.99	1.41	1.37
14	A	1108	CLA	CHC-C1C	2.98	1.42	1.35
14	A	1011	CLA	CMB-C2B	-2.98	1.45	1.51
14	c	501	CLA	CHC-C1C	2.98	1.42	1.35
14	a	504	CLA	C4D-ND	-2.98	1.33	1.37
14	u	519	CLA	CHC-C1C	2.98	1.42	1.35
14	5	519	CLA	CHC-C1C	2.98	1.42	1.35
14	H	1220	CLA	C1D-ND	2.98	1.41	1.37
14	e	1113	CLA	CHC-C1C	2.98	1.42	1.35
14	B	1232	CLA	CHC-C1C	2.98	1.42	1.35
14	A	1124	CLA	CHC-C1C	2.98	1.42	1.35
14	5	510	CLA	CHC-C1C	2.98	1.42	1.35
14	v	513	CLA	CHC-C1C	2.98	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	513	CLA	CHC-C1C	2.98	1.42	1.35
14	G	1129	CLA	CMD-C2D	-2.98	1.44	1.50
14	6	512	CLA	CHC-C1C	2.98	1.42	1.35
14	e	1126	CLA	CHC-C1C	2.98	1.42	1.35
14	G	1011	CLA	CMB-C2B	-2.98	1.45	1.51
14	q	518	CLA	CHC-C1C	2.98	1.42	1.35
14	c	510	CLA	CHC-C1C	2.98	1.42	1.35
14	q	517	CLA	CHC-C1C	2.98	1.42	1.35
14	e	1124	CLA	C1D-ND	2.98	1.41	1.37
14	4	504	CLA	CHC-C1C	2.98	1.42	1.35
14	d	512	CLA	CHC-C1C	2.98	1.42	1.35
14	B	1023	CLA	CMC-C2C	-2.98	1.44	1.50
14	3	506	CLA	CHC-C1C	2.98	1.42	1.35
14	G	1124	CLA	CHC-C1C	2.98	1.42	1.35
14	e	1124	CLA	CHC-C1C	2.98	1.42	1.35
14	H	1232	CLA	CHC-C1C	2.98	1.42	1.35
14	r	509	CLA	CHC-C1C	2.98	1.42	1.35
14	t	516	CLA	CHC-C1C	2.98	1.42	1.35
14	G	1115	CLA	C1D-ND	2.98	1.41	1.37
14	l	512	CLA	CHC-C1C	2.97	1.42	1.35
14	4	504	CLA	C4D-ND	-2.97	1.33	1.37
14	b	512	CLA	C4D-ND	-2.97	1.33	1.37
14	G	1108	CLA	CHC-C1C	2.97	1.42	1.35
14	e	1013	CLA	CMB-C2B	-2.97	1.45	1.51
14	e	1109	CLA	C1D-ND	2.97	1.41	1.37
14	B	1216	CLA	CHC-C1C	2.97	1.42	1.35
14	Y	517	CLA	CHC-C1C	2.97	1.42	1.35
14	v	511	CLA	CHC-C1C	2.97	1.42	1.35
14	l	501	CLA	CHC-C1C	2.97	1.42	1.35
14	2	509	CLA	CHC-C1C	2.97	1.42	1.35
14	e	1108	CLA	CHC-C1C	2.97	1.42	1.35
14	l	517	CLA	CHC-C1C	2.97	1.42	1.35
14	e	1013	CLA	CMD-C2D	-2.97	1.44	1.50
14	f	1211	CLA	CHC-C1C	2.97	1.42	1.35
14	Y	503	CLA	CHC-C1C	2.97	1.42	1.35
14	A	1126	CLA	C1D-ND	2.97	1.41	1.37
14	G	1131	CLA	CMB-C2B	-2.97	1.45	1.51
14	b	511	CLA	C4D-ND	-2.97	1.33	1.37
14	H	1023	CLA	CMC-C2C	-2.97	1.44	1.50
14	2	501	CLA	CHC-C1C	2.97	1.42	1.35
14	3	519	CLA	CHC-C1C	2.97	1.42	1.35
14	Y	518	CLA	CHC-C1C	2.97	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	5	511	CLA	CHC-C1C	2.97	1.42	1.35
14	s	506	CLA	CHC-C1C	2.97	1.42	1.35
14	B	1211	CLA	CHC-C1C	2.97	1.42	1.35
14	s	519	CLA	CHC-C1C	2.97	1.42	1.35
15	B	2002	PQN	C5-C4	-2.97	1.42	1.48
14	q	504	CLA	CHC-C1C	2.97	1.42	1.35
14	d	513	CLA	C4D-ND	-2.97	1.33	1.37
14	v	513	CLA	C4D-ND	-2.97	1.33	1.37
14	6	513	CLA	CHC-C1C	2.97	1.42	1.35
14	f	1232	CLA	CHC-C1C	2.97	1.42	1.35
14	f	1206	CLA	C1D-ND	2.97	1.41	1.37
14	H	1235	CLA	CHC-C1C	2.97	1.42	1.35
14	f	1216	CLA	CHC-C1C	2.97	1.42	1.35
14	A	1113	CLA	CHC-C1C	2.96	1.42	1.35
14	G	1131	CLA	C3B-C2B	-2.96	1.36	1.40
14	Y	512	CLA	CHC-C1C	2.96	1.42	1.35
14	a	513	CLA	CHC-C1C	2.96	1.42	1.35
14	r	501	CLA	CHC-C1C	2.96	1.42	1.35
14	e	1131	CLA	C3B-C2B	-2.96	1.36	1.40
14	G	1126	CLA	C1D-ND	2.96	1.41	1.37
14	f	1221	CLA	C1D-ND	2.96	1.41	1.37
14	B	1235	CLA	CHC-C1C	2.96	1.42	1.35
14	a	505	CLA	CHC-C1C	2.96	1.42	1.35
14	t	504	CLA	CHC-C1C	2.96	1.42	1.35
14	a	519	CLA	CHC-C1C	2.96	1.42	1.35
14	c	511	CLA	CHC-C1C	2.96	1.42	1.35
14	3	513	CLA	CHC-C1C	2.96	1.42	1.35
14	H	1214	CLA	CHC-C1C	2.96	1.42	1.35
14	j	1301	CLA	CHC-C1C	2.96	1.42	1.35
14	H	1211	CLA	CHC-C1C	2.96	1.42	1.35
14	B	1221	CLA	C1D-ND	2.96	1.41	1.37
14	e	1129	CLA	CMD-C2D	-2.96	1.44	1.50
14	a	506	CLA	CHC-C1C	2.96	1.42	1.35
14	b	504	CLA	CHC-C1C	2.96	1.42	1.35
14	G	1113	CLA	CHC-C1C	2.96	1.42	1.35
14	v	517	CLA	CHC-C1C	2.96	1.42	1.35
14	F	1301	CLA	CHC-C1C	2.96	1.42	1.35
14	q	512	CLA	CHC-C1C	2.96	1.42	1.35
14	u	511	CLA	CHC-C1C	2.96	1.42	1.35
14	l	504	CLA	CHC-C1C	2.96	1.42	1.35
14	Z	509	CLA	CHC-C1C	2.96	1.42	1.35
14	Z	518	CLA	CHC-C1C	2.96	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	4	510	CLA	C4D-ND	-2.96	1.33	1.37
14	b	504	CLA	C4D-ND	-2.96	1.33	1.37
14	6	513	CLA	C4D-ND	-2.96	1.33	1.37
14	R	1301	CLA	CHC-C1C	2.96	1.42	1.35
14	e	1126	CLA	C1D-ND	2.96	1.41	1.37
14	6	518	CLA	CHC-C1C	2.95	1.42	1.35
14	G	1124	CLA	C1D-ND	2.95	1.41	1.37
14	H	1224	CLA	CHC-C1C	2.95	1.42	1.35
14	f	1214	CLA	CHC-C1C	2.95	1.42	1.35
14	3	518	CLA	CHC-C1C	2.95	1.42	1.35
14	J	1302	CLA	C4D-ND	-2.95	1.33	1.37
14	b	517	CLA	CHC-C1C	2.95	1.42	1.35
14	A	1131	CLA	C3B-C2B	-2.95	1.36	1.40
14	H	1205	CLA	CMB-C2B	-2.95	1.45	1.51
14	H	1221	CLA	C1D-ND	2.95	1.41	1.37
14	B	1214	CLA	CHC-C1C	2.95	1.42	1.35
14	A	1125	CLA	CHC-C1C	2.95	1.42	1.35
14	e	1123	CLA	CHC-C1C	2.95	1.42	1.35
14	e	1125	CLA	CHC-C1C	2.95	1.42	1.35
14	f	1203	CLA	CHC-C1C	2.95	1.42	1.35
14	3	513	CLA	C4D-ND	-2.95	1.33	1.37
14	4	517	CLA	CHC-C1C	2.95	1.42	1.35
14	f	1236	CLA	CHC-C1C	2.95	1.42	1.35
14	u	510	CLA	CHC-C1C	2.95	1.42	1.35
14	A	1129	CLA	CMD-C2D	-2.95	1.44	1.50
14	B	1230	CLA	C1D-ND	2.95	1.41	1.37
14	G	1123	CLA	CHC-C1C	2.95	1.42	1.35
14	v	512	CLA	CHC-C1C	2.95	1.42	1.35
14	B	1205	CLA	CMB-C2B	-2.95	1.45	1.51
14	B	1236	CLA	CHC-C1C	2.95	1.42	1.35
14	6	517	CLA	CHC-C1C	2.95	1.42	1.35
14	u	507	CLA	C4D-ND	-2.95	1.33	1.37
14	A	1013	CLA	CMD-C2D	-2.95	1.44	1.50
14	A	1107	CLA	CHC-C1C	2.95	1.42	1.35
14	v	518	CLA	CHC-C1C	2.95	1.42	1.35
14	2	518	CLA	CHC-C1C	2.95	1.42	1.35
14	s	513	CLA	CHC-C1C	2.95	1.42	1.35
15	H	2002	PQN	C5-C4	-2.95	1.42	1.48
14	B	1220	CLA	CHC-C1C	2.95	1.42	1.35
14	1	503	CLA	CHC-C1C	2.95	1.42	1.35
14	A	1124	CLA	C1D-ND	2.95	1.41	1.37
14	A	1131	CLA	CMB-C2B	-2.95	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	511	CLA	CHC-C1C	2.94	1.42	1.35
14	H	1231	CLA	CHC-C1C	2.94	1.42	1.35
14	H	1236	CLA	CHC-C1C	2.94	1.42	1.35
14	r	516	CLA	CHC-C1C	2.94	1.42	1.35
14	G	1107	CLA	CHC-C1C	2.94	1.42	1.35
18	G	5001	LHG	O7-C5	-2.94	1.39	1.46
14	s	504	CLA	C4D-ND	-2.94	1.33	1.37
14	d	518	CLA	CHC-C1C	2.94	1.42	1.35
14	e	1136	CLA	CMB-C2B	-2.94	1.45	1.51
14	d	517	CLA	CHC-C1C	2.94	1.42	1.35
14	l	1302	CLA	CHC-C1C	2.94	1.42	1.35
14	b	510	CLA	C4D-ND	-2.94	1.33	1.37
14	Z	516	CLA	CHC-C1C	2.94	1.42	1.35
14	f	1230	CLA	C1D-ND	2.94	1.41	1.37
14	A	1111	CLA	CHC-C1C	2.94	1.42	1.35
18	A	5001	LHG	O7-C5	-2.94	1.39	1.46
14	r	519	CLA	CHC-C1C	2.94	1.42	1.35
14	B	1203	CLA	CHC-C1C	2.94	1.42	1.35
14	a	518	CLA	CHC-C1C	2.94	1.42	1.35
14	Y	509	CLA	CHC-C1C	2.94	1.42	1.35
14	H	1230	CLA	C1D-ND	2.94	1.41	1.37
14	e	1130	CLA	C1D-ND	2.94	1.41	1.37
17	n	4219	BCR	C10-C9	-2.94	1.31	1.35
14	Y	501	CLA	CHC-C1C	2.94	1.42	1.35
14	Z	519	CLA	CHC-C1C	2.94	1.42	1.35
14	H	1220	CLA	CHC-C1C	2.94	1.42	1.35
14	Y	504	CLA	CHC-C1C	2.94	1.42	1.35
14	l	507	CLA	C4D-ND	-2.94	1.33	1.37
14	e	1022	CLA	C1D-ND	2.94	1.41	1.37
14	2	516	CLA	CHC-C1C	2.94	1.42	1.35
14	e	1107	CLA	CHC-C1C	2.94	1.42	1.35
14	A	1123	CLA	CHC-C1C	2.94	1.42	1.35
14	J	1302	CLA	CHC-C1C	2.94	1.42	1.35
14	B	1224	CLA	CHC-C1C	2.93	1.42	1.35
14	a	513	CLA	C4D-ND	-2.93	1.33	1.37
14	2	504	CLA	CHC-C1C	2.93	1.42	1.35
14	H	1214	CLA	CMB-C2B	-2.93	1.45	1.51
14	t	517	CLA	CHC-C1C	2.93	1.42	1.35
14	A	1136	CLA	CMB-C2B	-2.93	1.45	1.51
14	3	505	CLA	CHC-C1C	2.93	1.42	1.35
14	e	1111	CLA	CHC-C1C	2.93	1.42	1.35
14	B	1214	CLA	CMB-C2B	-2.93	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	r	506	CLA	CHC-C1C	2.93	1.42	1.35
14	b	507	CLA	C4D-ND	-2.93	1.33	1.37
14	6	503	CLA	CHC-C1C	2.93	1.42	1.35
14	q	509	CLA	CHC-C1C	2.93	1.42	1.35
17	L	4219	BCR	C10-C9	-2.93	1.31	1.35
14	q	503	CLA	CHC-C1C	2.93	1.42	1.35
14	B	1231	CLA	CHC-C1C	2.93	1.42	1.35
14	H	1217	CLA	C4D-ND	-2.93	1.33	1.37
14	v	503	CLA	CHC-C1C	2.93	1.42	1.35
14	A	1140	CLA	CHC-C1C	2.93	1.42	1.35
14	Y	511	CLA	CHC-C1C	2.93	1.42	1.35
14	Z	504	CLA	CHC-C1C	2.93	1.42	1.35
14	f	1021	CLA	CHC-C1C	2.93	1.42	1.35
14	G	1106	CLA	CHC-C1C	2.93	1.42	1.35
14	G	1111	CLA	CHC-C1C	2.93	1.42	1.35
14	2	519	CLA	CHC-C1C	2.93	1.42	1.35
14	A	1022	CLA	C1D-ND	2.93	1.41	1.37
14	r	504	CLA	CHC-C1C	2.93	1.42	1.35
14	Z	512	CLA	CHC-C1C	2.93	1.42	1.35
14	r	518	CLA	CHC-C1C	2.93	1.42	1.35
14	f	1214	CLA	CMB-C2B	-2.93	1.45	1.51
14	l	509	CLA	CHC-C1C	2.92	1.42	1.35
14	e	1237	CLA	C3B-C2B	-2.92	1.36	1.40
14	2	506	CLA	CHC-C1C	2.92	1.42	1.35
14	5	507	CLA	C4D-ND	-2.92	1.33	1.37
14	e	1140	CLA	CHC-C1C	2.92	1.42	1.35
14	f	1224	CLA	CHC-C1C	2.92	1.42	1.35
14	e	1131	CLA	CMB-C2B	-2.92	1.45	1.51
14	e	1106	CLA	CHC-C1C	2.92	1.42	1.35
14	H	1219	CLA	CHC-C1C	2.92	1.42	1.35
14	d	503	CLA	CHC-C1C	2.92	1.42	1.35
14	q	511	CLA	CHC-C1C	2.92	1.42	1.35
14	G	1125	CLA	CHC-C1C	2.92	1.42	1.35
14	Z	506	CLA	CHC-C1C	2.92	1.42	1.35
14	e	1119	CLA	CMC-C2C	-2.92	1.44	1.50
14	B	1217	CLA	C4D-ND	-2.92	1.33	1.37
14	G	1140	CLA	CHC-C1C	2.92	1.42	1.35
14	f	1205	CLA	CMB-C2B	-2.92	1.45	1.51
14	B	1021	CLA	CHC-C1C	2.92	1.42	1.35
14	A	1130	CLA	C1D-ND	2.92	1.41	1.37
21	s	822	SQD	O47-C7	2.92	1.42	1.34
14	f	1231	CLA	CHC-C1C	2.92	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1106	CLA	CHC-C1C	2.92	1.42	1.35
14	G	1136	CLA	CMB-C2B	-2.92	1.45	1.51
14	3	512	CLA	CHC-C1C	2.91	1.42	1.35
14	2	512	CLA	CHC-C1C	2.91	1.42	1.35
14	H	1203	CLA	CHC-C1C	2.91	1.42	1.35
14	s	512	CLA	CHC-C1C	2.91	1.42	1.35
14	2	511	CLA	CHC-C1C	2.91	1.42	1.35
15	H	2002	PQN	C10-C5	-2.91	1.35	1.40
14	4	507	CLA	C4D-ND	-2.91	1.33	1.37
14	v	507	CLA	CHC-C1C	2.91	1.42	1.35
14	e	1117	CLA	CHC-C1C	2.91	1.42	1.35
14	2	505	CLA	CHC-C1C	2.91	1.42	1.35
14	Z	511	CLA	CHC-C1C	2.91	1.42	1.35
14	2	517	CLA	CHC-C1C	2.91	1.42	1.35
14	Z	517	CLA	CHC-C1C	2.91	1.42	1.35
14	r	505	CLA	CHC-C1C	2.91	1.42	1.35
14	f	1220	CLA	CHC-C1C	2.91	1.42	1.35
14	f	1219	CLA	CHC-C1C	2.91	1.42	1.35
14	G	1127	CLA	CHC-C1C	2.91	1.42	1.35
18	e	5001	LHG	O7-C5	-2.91	1.39	1.46
15	B	2002	PQN	C10-C5	-2.91	1.35	1.40
14	H	1021	CLA	CHC-C1C	2.91	1.42	1.35
14	s	505	CLA	CHC-C1C	2.91	1.42	1.35
14	e	1022	CLA	C3B-CAB	-2.90	1.42	1.47
14	T	1302	CLA	CHC-C1C	2.90	1.42	1.35
15	G	2001	PQN	C11-C12	2.90	1.54	1.50
14	r	512	CLA	CHC-C1C	2.90	1.42	1.35
14	6	508	CLA	CHC-C1C	2.90	1.42	1.35
14	G	1022	CLA	C1D-ND	2.90	1.41	1.37
14	T	1302	CLA	C4D-ND	-2.90	1.33	1.37
14	v	507	CLA	C4D-ND	-2.90	1.33	1.37
14	G	1013	CLA	CMD-C2D	-2.90	1.44	1.50
14	Z	503	CLA	CHC-C1C	2.90	1.42	1.35
17	V	4219	BCR	C10-C9	-2.90	1.31	1.35
14	l	1302	CLA	C4D-ND	-2.90	1.33	1.37
21	a	822	SQD	O47-C7	2.90	1.42	1.34
14	6	507	CLA	CHC-C1C	2.90	1.42	1.35
14	r	511	CLA	CHC-C1C	2.90	1.42	1.35
14	b	516	CLA	C4D-ND	-2.90	1.33	1.37
14	A	1117	CLA	CHC-C1C	2.90	1.42	1.35
14	Z	507	CLA	CHC-C1C	2.90	1.42	1.35
14	e	1013	CLA	CMC-C2C	-2.90	1.44	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	4	516	CLA	C4D-ND	-2.89	1.33	1.37
14	G	1130	CLA	C1D-ND	2.89	1.41	1.37
15	e	2001	PQN	C3-C2	2.89	1.40	1.35
14	q	505	CLA	CHC-C1C	2.89	1.42	1.35
14	t	503	CLA	C4D-ND	-2.89	1.33	1.37
14	A	1237	CLA	C3B-C2B	-2.89	1.36	1.40
14	B	1218	CLA	CHC-C1C	2.89	1.42	1.35
14	f	1218	CLA	CHC-C1C	2.89	1.42	1.35
14	q	507	CLA	C4D-ND	-2.89	1.33	1.37
14	B	1219	CLA	CHC-C1C	2.89	1.42	1.35
14	d	508	CLA	CHC-C1C	2.89	1.42	1.35
20	f	5002	LMG	O8-C9	-2.89	1.38	1.45
15	G	2001	PQN	C3-C2	2.89	1.40	1.35
14	H	1225	CLA	C1D-ND	2.89	1.41	1.37
14	G	1237	CLA	C3B-C2B	-2.89	1.36	1.40
14	t	516	CLA	C4D-ND	-2.89	1.33	1.37
14	e	1127	CLA	C1D-ND	2.89	1.41	1.37
14	r	502	CLA	CMB-C2B	-2.89	1.45	1.51
14	G	1117	CLA	CHC-C1C	2.89	1.42	1.35
14	A	1013	CLA	CMC-C2C	-2.89	1.44	1.50
14	f	1235	CLA	CMB-C2B	-2.89	1.45	1.51
14	e	1127	CLA	CHC-C1C	2.89	1.42	1.35
14	B	1225	CLA	C1D-ND	2.89	1.41	1.37
14	6	507	CLA	C4D-ND	-2.89	1.33	1.37
14	A	1127	CLA	C1D-ND	2.89	1.41	1.37
14	a	512	CLA	CHC-C1C	2.89	1.42	1.35
15	f	2002	PQN	C10-C5	-2.89	1.35	1.40
14	Z	505	CLA	CHC-C1C	2.89	1.42	1.35
14	v	508	CLA	CHC-C1C	2.89	1.42	1.35
14	4	503	CLA	C4D-ND	-2.89	1.33	1.37
14	G	1110	CLA	CHC-C1C	2.89	1.42	1.35
14	r	503	CLA	CHC-C1C	2.89	1.42	1.35
14	G	1107	CLA	C3B-C2B	-2.89	1.36	1.40
14	A	1127	CLA	CHC-C1C	2.89	1.42	1.35
14	A	1119	CLA	CMC-C2C	-2.89	1.44	1.50
14	H	1218	CLA	CHC-C1C	2.89	1.42	1.35
14	a	502	CLA	CHC-C1C	2.89	1.42	1.35
14	r	517	CLA	CHC-C1C	2.88	1.42	1.35
14	t	507	CLA	C4D-ND	-2.88	1.33	1.37
14	G	1131	CLA	CHC-C1C	2.88	1.42	1.35
14	1	505	CLA	CHC-C1C	2.88	1.42	1.35
14	A	1022	CLA	C3B-CAB	-2.88	1.42	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	t	512	CLA	CHC-C1C	2.88	1.42	1.35
21	3	822	SQD	O47-C7	2.88	1.42	1.34
14	2	507	CLA	CHC-C1C	2.88	1.42	1.35
21	n	5216	SQD	O48-C23	2.88	1.41	1.33
14	2	502	CLA	CMB-C2B	-2.88	1.45	1.51
14	A	1131	CLA	CHC-C1C	2.88	1.42	1.35
14	B	1230	CLA	CMB-C2B	-2.88	1.45	1.51
20	B	5002	LMG	O8-C9	-2.88	1.38	1.45
14	e	1131	CLA	CHC-C1C	2.88	1.42	1.35
14	f	1021	CLA	CMB-C2B	-2.88	1.45	1.51
14	e	1110	CLA	CHC-C1C	2.88	1.42	1.35
14	G	1119	CLA	CMC-C2C	-2.88	1.44	1.50
14	G	1013	CLA	CMC-C2C	-2.88	1.44	1.50
15	A	2001	PQN	C3-C2	2.88	1.40	1.35
14	B	1021	CLA	CMB-C2B	-2.88	1.45	1.51
14	B	1235	CLA	CMB-C2B	-2.88	1.45	1.51
14	f	1225	CLA	C1D-ND	2.88	1.41	1.37
14	A	1105	CLA	CHC-C1C	2.88	1.42	1.35
14	d	507	CLA	CHC-C1C	2.88	1.42	1.35
14	q	507	CLA	CHC-C1C	2.88	1.42	1.35
14	G	1022	CLA	C3B-CAB	-2.88	1.42	1.47
14	e	1105	CLA	CHC-C1C	2.88	1.42	1.35
14	f	1230	CLA	CMB-C2B	-2.87	1.45	1.51
14	2	503	CLA	CHC-C1C	2.87	1.42	1.35
14	1	507	CLA	CHC-C1C	2.87	1.42	1.35
14	H	1021	CLA	CMB-C2B	-2.87	1.45	1.51
14	A	1110	CLA	CHC-C1C	2.87	1.42	1.35
14	A	1022	CLA	CHC-C1C	2.87	1.42	1.35
14	G	1011	CLA	CMD-C2D	-2.87	1.44	1.50
14	d	507	CLA	C4D-ND	-2.87	1.33	1.37
21	r	822	SQD	O47-C7	2.87	1.42	1.34
20	H	5002	LMG	O8-C9	-2.87	1.38	1.45
14	G	1022	CLA	CHC-C1C	2.87	1.42	1.35
14	A	1121	CLA	CMD-C2D	-2.87	1.44	1.50
14	G	1121	CLA	CMD-C2D	-2.87	1.44	1.50
14	e	1011	CLA	CMD-C2D	-2.87	1.44	1.50
14	b	512	CLA	CHC-C1C	2.86	1.42	1.35
14	4	512	CLA	CHC-C1C	2.86	1.42	1.35
14	Z	502	CLA	CMB-C2B	-2.86	1.45	1.51
14	1	516	CLA	CHC-C1C	2.86	1.42	1.35
14	G	1102	CLA	C1D-ND	2.86	1.41	1.37
14	d	502	CLA	CHC-C1C	2.86	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1137	CLA	CHC-C1C	2.86	1.42	1.35
14	e	1121	CLA	CMD-C2D	-2.86	1.44	1.50
14	f	1217	CLA	C4D-ND	-2.86	1.33	1.37
14	j	1302	CLA	CHC-C1C	2.86	1.42	1.35
21	L	5216	SQD	O48-C23	2.86	1.41	1.33
14	H	1226	CLA	MG-ND	-2.86	2.00	2.05
14	e	1129	CLA	C3B-CAB	-2.86	1.42	1.47
14	e	1022	CLA	CHC-C1C	2.86	1.42	1.35
14	s	502	CLA	CHC-C1C	2.86	1.42	1.35
14	f	1223	CLA	CHC-C1C	2.86	1.42	1.35
14	e	1130	CLA	CMB-C2B	-2.86	1.45	1.51
14	3	507	CLA	CHC-C1C	2.86	1.42	1.35
14	3	502	CLA	CHC-C1C	2.86	1.42	1.35
14	B	1223	CLA	CHC-C1C	2.86	1.42	1.35
21	V	5216	SQD	O48-C23	2.85	1.41	1.33
15	A	2001	PQN	C11-C12	2.85	1.54	1.50
15	B	2002	PQN	C3-C2	2.85	1.40	1.35
14	H	1223	CLA	CHC-C1C	2.85	1.42	1.35
14	A	1102	CLA	C1D-ND	2.85	1.41	1.37
14	H	1212	CLA	CHC-C1C	2.85	1.42	1.35
21	2	822	SQD	O47-C7	2.85	1.42	1.34
14	n	1501	CLA	CHC-C1C	2.85	1.42	1.35
14	H	1230	CLA	CMB-C2B	-2.85	1.45	1.51
14	A	1137	CLA	CHC-C1C	2.85	1.42	1.35
14	r	507	CLA	CHC-C1C	2.85	1.42	1.35
14	A	1011	CLA	CMD-C2D	-2.85	1.44	1.50
14	Y	516	CLA	CHC-C1C	2.85	1.42	1.35
14	B	1212	CLA	CHC-C1C	2.85	1.42	1.35
14	G	1137	CLA	CHC-C1C	2.85	1.42	1.35
15	H	2002	PQN	C3-C2	2.85	1.40	1.35
14	a	507	CLA	CHC-C1C	2.85	1.42	1.35
14	6	502	CLA	CHC-C1C	2.85	1.42	1.35
14	f	1225	CLA	CMB-C2B	-2.85	1.45	1.51
14	F	1302	CLA	CHC-C1C	2.85	1.42	1.35
14	B	1205	CLA	CMD-C2D	-2.84	1.44	1.50
14	K	1105	CLA	CHC-C1C	2.84	1.42	1.35
14	e	1102	CLA	C1D-ND	2.84	1.41	1.37
14	R	1302	CLA	CHC-C1C	2.84	1.42	1.35
14	G	1138	CLA	CMB-C2B	-2.84	1.45	1.51
14	Y	507	CLA	CHC-C1C	2.84	1.42	1.35
21	Z	822	SQD	O47-C7	2.84	1.42	1.34
21	q	822	SQD	O47-C7	2.84	1.42	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	1226	CLA	MG-ND	-2.84	2.00	2.05
14	Y	505	CLA	CHC-C1C	2.84	1.42	1.35
14	B	1226	CLA	MG-ND	-2.84	2.00	2.05
14	B	1221	CLA	CMB-C2B	-2.84	1.45	1.51
14	A	1101	CLA	CHC-C1C	2.84	1.42	1.35
14	G	1105	CLA	CHC-C1C	2.84	1.42	1.35
14	V	1501	CLA	CHC-C1C	2.84	1.42	1.35
14	m	1105	CLA	CHC-C1C	2.84	1.42	1.35
14	U	1105	CLA	CHC-C1C	2.84	1.42	1.35
14	q	516	CLA	CHC-C1C	2.84	1.42	1.35
14	e	1114	CLA	CHC-C1C	2.84	1.42	1.35
14	A	1130	CLA	CMB-C2B	-2.84	1.45	1.51
14	H	1235	CLA	CMB-C2B	-2.84	1.45	1.51
14	e	1107	CLA	C3B-C2B	-2.84	1.36	1.40
15	e	2001	PQN	C11-C12	2.84	1.54	1.50
14	b	503	CLA	C4D-ND	-2.84	1.33	1.37
14	A	1133	CLA	C1D-ND	2.84	1.41	1.37
14	e	1138	CLA	CMB-C2B	-2.84	1.45	1.51
14	G	1101	CLA	CHC-C1C	2.83	1.42	1.35
14	G	1129	CLA	C3B-CAB	-2.83	1.42	1.47
14	A	1129	CLA	C3B-CAB	-2.83	1.42	1.47
14	G	1122	CLA	CMB-C2B	-2.83	1.45	1.51
14	e	1134	CLA	CHC-C1C	2.83	1.42	1.35
14	5	502	CLA	CHC-C1C	2.83	1.42	1.35
14	G	1127	CLA	C1D-ND	2.83	1.41	1.37
14	f	1212	CLA	CHC-C1C	2.83	1.42	1.35
14	A	1107	CLA	C3B-C2B	-2.83	1.36	1.40
14	f	1205	CLA	CMD-C2D	-2.83	1.44	1.50
14	s	508	CLA	CHC-C1C	2.83	1.42	1.35
21	B	1852	SQD	O2-C2	-2.83	1.36	1.43
14	L	1501	CLA	CHC-C1C	2.83	1.42	1.35
21	1	822	SQD	O47-C7	2.83	1.42	1.34
14	H	1205	CLA	CMD-C2D	-2.83	1.44	1.50
14	5	508	CLA	CHC-C1C	2.83	1.42	1.35
14	G	1114	CLA	CHC-C1C	2.83	1.42	1.35
14	s	507	CLA	CHC-C1C	2.83	1.42	1.35
14	4	502	CLA	CHC-C1C	2.83	1.42	1.35
14	A	1114	CLA	CHC-C1C	2.83	1.42	1.35
14	b	502	CLA	CHC-C1C	2.83	1.42	1.35
14	G	1130	CLA	CMB-C2B	-2.83	1.45	1.51
14	G	1128	CLA	C3B-C2B	-2.83	1.36	1.40
14	G	1129	CLA	C1D-ND	2.82	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	H	1852	SQD	O2-C2	-2.82	1.36	1.43
14	c	508	CLA	CHC-C1C	2.82	1.42	1.35
14	A	1128	CLA	C3B-C2B	-2.82	1.36	1.40
14	e	1101	CLA	CHC-C1C	2.82	1.42	1.35
14	H	1225	CLA	CMB-C2B	-2.82	1.45	1.51
14	A	1138	CLA	CMB-C2B	-2.82	1.45	1.51
14	A	1134	CLA	CHC-C1C	2.82	1.42	1.35
14	B	1225	CLA	CMB-C2B	-2.82	1.45	1.51
14	e	1110	CLA	CMB-C2B	-2.82	1.45	1.51
14	f	1221	CLA	CMB-C2B	-2.82	1.45	1.51
14	G	1133	CLA	C1D-ND	2.82	1.41	1.37
14	H	1221	CLA	CMB-C2B	-2.82	1.45	1.51
21	Y	822	SQD	O47-C7	2.82	1.42	1.34
14	u	508	CLA	CHC-C1C	2.82	1.42	1.35
14	t	502	CLA	CHC-C1C	2.82	1.42	1.35
14	f	1204	CLA	CHC-C1C	2.82	1.42	1.35
14	e	1118	CLA	CHC-C1C	2.81	1.42	1.35
14	G	1134	CLA	CMB-C2B	-2.81	1.45	1.51
14	v	502	CLA	CHC-C1C	2.81	1.42	1.35
14	u	502	CLA	CHC-C1C	2.81	1.42	1.35
14	u	502	CLA	CMB-C2B	-2.81	1.45	1.51
14	A	1134	CLA	CMB-C2B	-2.81	1.45	1.51
21	f	1852	SQD	O2-C2	-2.81	1.36	1.43
14	A	1106	CLA	CMB-C2B	-2.81	1.45	1.51
14	G	1134	CLA	CHC-C1C	2.81	1.42	1.35
15	f	2002	PQN	C3-C2	2.81	1.40	1.35
14	f	1225	CLA	CHC-C1C	2.81	1.42	1.35
14	e	1134	CLA	CMB-C2B	-2.81	1.45	1.51
14	3	508	CLA	CHC-C1C	2.81	1.42	1.35
14	G	1110	CLA	CMB-C2B	-2.81	1.45	1.51
14	e	1140	CLA	CMB-C2B	-2.81	1.45	1.51
14	c	502	CLA	CHC-C1C	2.81	1.42	1.35
14	B	1238	CLA	CHC-C1C	2.81	1.42	1.35
14	B	1204	CLA	CHC-C1C	2.81	1.42	1.35
14	G	1140	CLA	CMB-C2B	-2.80	1.45	1.51
14	f	1238	CLA	CMB-C2B	-2.80	1.45	1.51
14	q	502	CLA	CHC-C1C	2.80	1.42	1.35
14	G	1111	CLA	CMC-C2C	-2.80	1.44	1.50
14	G	1120	CLA	C1D-ND	2.80	1.41	1.37
14	A	1110	CLA	CMB-C2B	-2.80	1.45	1.51
14	A	1122	CLA	CMB-C2B	-2.80	1.45	1.51
14	e	1139	CLA	CMB-C2B	-2.80	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1111	CLA	CMC-C2C	-2.80	1.44	1.50
14	f	1239	CLA	C3B-C2B	-2.80	1.36	1.40
14	H	1236	CLA	CMB-C2B	-2.80	1.45	1.51
14	r	508	CLA	CHC-C1C	2.80	1.42	1.35
14	5	502	CLA	CMB-C2B	-2.80	1.45	1.51
14	A	1139	CLA	CMB-C2B	-2.80	1.45	1.51
14	f	1205	CLA	C3B-C2B	-2.80	1.36	1.40
14	f	1238	CLA	CHC-C1C	2.80	1.42	1.35
14	r	502	CLA	CHC-C1C	2.80	1.42	1.35
14	G	1108	CLA	CMB-C2B	-2.80	1.45	1.51
14	G	1139	CLA	CMB-C2B	-2.80	1.45	1.51
14	2	502	CLA	CHC-C1C	2.80	1.42	1.35
14	e	1108	CLA	CMB-C2B	-2.80	1.45	1.51
14	2	508	CLA	CHC-C1C	2.80	1.42	1.35
14	G	1101	CLA	C1D-ND	2.80	1.41	1.37
14	H	1204	CLA	CHC-C1C	2.80	1.42	1.35
14	A	1118	CLA	CHC-C1C	2.80	1.42	1.35
14	e	1111	CLA	CMC-C2C	-2.79	1.44	1.50
14	B	1239	CLA	C3B-C2B	-2.79	1.36	1.40
14	A	1140	CLA	CMB-C2B	-2.79	1.45	1.51
14	e	1133	CLA	C1D-ND	2.79	1.41	1.37
14	G	1106	CLA	CMB-C2B	-2.79	1.45	1.51
14	B	1225	CLA	CHC-C1C	2.79	1.42	1.35
14	4	502	CLA	CMB-C2B	-2.79	1.45	1.51
14	e	1103	CLA	CMB-C2B	-2.79	1.45	1.51
14	a	508	CLA	CHC-C1C	2.79	1.42	1.35
14	c	507	CLA	CHC-C1C	2.79	1.42	1.35
14	e	1132	CLA	CHC-C1C	2.79	1.42	1.35
14	B	1219	CLA	CMB-C2B	-2.79	1.45	1.51
14	e	1133	CLA	CHC-C1C	2.79	1.42	1.35
14	A	1101	CLA	C1D-ND	2.79	1.41	1.37
14	V	1502	CLA	C1D-ND	2.79	1.41	1.37
14	m	1105	CLA	C4D-ND	-2.79	1.33	1.37
14	v	502	CLA	CMB-C2B	-2.79	1.45	1.51
14	A	1108	CLA	CMB-C2B	-2.78	1.45	1.51
14	6	502	CLA	CMB-C2B	-2.78	1.45	1.51
14	H	1238	CLA	CHC-C1C	2.78	1.42	1.35
14	q	509	CLA	CMB-C2B	-2.78	1.45	1.51
14	t	508	CLA	CHC-C1C	2.78	1.42	1.35
14	G	1133	CLA	CHC-C1C	2.78	1.42	1.35
14	5	507	CLA	CHC-C1C	2.78	1.42	1.35
14	Z	502	CLA	CHC-C1C	2.78	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1238	CLA	CMB-C2B	-2.78	1.45	1.51
14	e	1122	CLA	CMB-C2B	-2.78	1.45	1.51
14	H	1225	CLA	CHC-C1C	2.78	1.42	1.35
14	d	502	CLA	CMB-C2B	-2.78	1.45	1.51
14	A	1132	CLA	CHC-C1C	2.78	1.42	1.35
14	u	507	CLA	CHC-C1C	2.78	1.42	1.35
14	e	1128	CLA	C3B-C2B	-2.78	1.36	1.40
14	c	502	CLA	CMB-C2B	-2.78	1.45	1.51
14	A	1120	CLA	C1D-ND	2.78	1.41	1.37
14	l	502	CLA	CHC-C1C	2.78	1.42	1.35
14	e	1101	CLA	C1D-ND	2.78	1.41	1.37
14	A	1103	CLA	CMB-C2B	-2.78	1.45	1.51
14	B	1238	CLA	CMB-C2B	-2.78	1.45	1.51
14	G	1118	CLA	CHC-C1C	2.78	1.42	1.35
14	A	1136	CLA	CHC-C1C	2.78	1.42	1.35
14	A	1129	CLA	C1D-ND	2.78	1.41	1.37
14	K	1105	CLA	C4D-ND	-2.77	1.33	1.37
14	b	502	CLA	CMB-C2B	-2.77	1.45	1.51
14	B	1204	CLA	C1D-ND	2.77	1.41	1.37
14	U	1103	CLA	CHC-C1C	2.77	1.42	1.35
14	A	1103	CLA	CHC-C1C	2.77	1.42	1.35
14	Y	502	CLA	CHC-C1C	2.77	1.42	1.35
14	G	1103	CLA	CMB-C2B	-2.77	1.45	1.51
14	Z	508	CLA	CHC-C1C	2.77	1.42	1.35
14	e	1136	CLA	CHC-C1C	2.77	1.42	1.35
14	f	1230	CLA	CHC-C1C	2.77	1.42	1.35
14	U	1105	CLA	C4D-ND	-2.77	1.33	1.37
14	H	1230	CLA	CHC-C1C	2.77	1.42	1.35
14	K	1103	CLA	CHC-C1C	2.77	1.42	1.35
14	q	511	CLA	CMB-C2B	-2.77	1.45	1.51
14	4	508	CLA	CHC-C1C	2.77	1.42	1.35
14	G	1132	CLA	CHC-C1C	2.77	1.42	1.35
14	G	1109	CLA	CMB-C2B	-2.77	1.45	1.51
14	H	1239	CLA	C3B-C2B	-2.77	1.36	1.40
14	e	1106	CLA	CMB-C2B	-2.77	1.45	1.51
14	A	1133	CLA	CHC-C1C	2.77	1.42	1.35
14	G	1136	CLA	CHC-C1C	2.77	1.42	1.35
14	e	1109	CLA	CMB-C2B	-2.77	1.45	1.51
14	e	1103	CLA	CHC-C1C	2.76	1.42	1.35
14	H	1209	CLA	CMB-C2B	-2.76	1.45	1.51
14	B	1236	CLA	CMB-C2B	-2.76	1.45	1.51
21	n	5216	SQD	O47-C7	2.76	1.42	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1127	CLA	CMB-C2B	-2.76	1.45	1.51
14	B	1209	CLA	CMB-C2B	-2.76	1.45	1.51
14	t	502	CLA	CMB-C2B	-2.76	1.45	1.51
14	j	1302	CLA	CMB-C2B	-2.76	1.45	1.51
14	4	507	CLA	CHC-C1C	2.76	1.42	1.35
14	F	1302	CLA	CMB-C2B	-2.76	1.45	1.51
14	G	1127	CLA	CMB-C2B	-2.76	1.45	1.51
14	b	508	CLA	CHC-C1C	2.76	1.42	1.35
14	A	1129	CLA	CHC-C1C	2.76	1.42	1.35
14	Y	511	CLA	CMB-C2B	-2.76	1.45	1.51
14	A	1109	CLA	CMB-C2B	-2.76	1.45	1.51
14	f	1204	CLA	C1D-ND	2.75	1.41	1.37
14	m	1103	CLA	CHC-C1C	2.75	1.42	1.35
14	V	1503	CLA	CHC-C1C	2.75	1.42	1.35
14	H	1232	CLA	CMB-C2B	-2.75	1.45	1.51
14	B	1230	CLA	CHC-C1C	2.75	1.42	1.35
14	G	1103	CLA	CHC-C1C	2.75	1.42	1.35
14	f	1219	CLA	CMB-C2B	-2.75	1.45	1.51
14	e	1137	CLA	CMB-C2B	-2.75	1.45	1.51
14	R	1302	CLA	CMB-C2B	-2.75	1.45	1.51
14	H	1204	CLA	C1D-ND	2.75	1.41	1.37
14	A	1103	CLA	CMC-C2C	-2.75	1.45	1.50
14	l	511	CLA	CMB-C2B	-2.75	1.45	1.51
14	H	1219	CLA	CMB-C2B	-2.75	1.45	1.51
14	A	1128	CLA	C1D-ND	2.75	1.41	1.37
14	e	1237	CLA	C1D-ND	2.75	1.41	1.37
14	f	1236	CLA	CMB-C2B	-2.75	1.45	1.51
14	H	1208	CLA	CMB-C2B	-2.75	1.45	1.51
14	Z	511	CLA	CMB-C2B	-2.75	1.45	1.51
14	B	1205	CLA	C3B-C2B	-2.75	1.36	1.40
14	L	1503	CLA	CHC-C1C	2.74	1.42	1.35
14	B	1232	CLA	CMB-C2B	-2.74	1.45	1.51
15	A	2001	PQN	C10-C5	-2.74	1.36	1.40
15	e	2001	PQN	C10-C5	-2.74	1.36	1.40
14	n	1502	CLA	C1D-ND	2.74	1.41	1.37
21	L	5216	SQD	O47-C7	2.74	1.42	1.34
14	e	1129	CLA	C1D-ND	2.74	1.41	1.37
15	G	2001	PQN	C10-C5	-2.74	1.36	1.40
14	G	1122	CLA	CHC-C1C	2.74	1.42	1.35
14	l	502	CLA	CMB-C2B	-2.74	1.45	1.51
14	e	1128	CLA	C1D-ND	2.74	1.41	1.37
14	e	1129	CLA	CHC-C1C	2.74	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	511	CLA	CMB-C2B	-2.74	1.45	1.51
14	G	1136	CLA	C3B-C2B	-2.74	1.36	1.40
14	b	507	CLA	CHC-C1C	2.74	1.42	1.35
14	f	1209	CLA	CMB-C2B	-2.74	1.45	1.51
14	l	509	CLA	CMB-C2B	-2.74	1.45	1.51
14	Y	509	CLA	CMB-C2B	-2.74	1.45	1.51
14	e	1127	CLA	CMB-C2B	-2.74	1.45	1.51
14	r	511	CLA	CMB-C2B	-2.74	1.45	1.51
14	l	508	CLA	CHC-C1C	2.74	1.42	1.35
14	j	1301	CLA	CMB-C2B	-2.73	1.46	1.51
14	t	507	CLA	CHC-C1C	2.73	1.42	1.35
14	G	1129	CLA	CHC-C1C	2.73	1.42	1.35
14	H	1205	CLA	C3B-C2B	-2.73	1.36	1.40
14	q	502	CLA	CMB-C2B	-2.73	1.46	1.51
14	Y	516	CLA	C1D-ND	2.73	1.41	1.37
14	e	1120	CLA	C1D-ND	2.73	1.41	1.37
14	G	1101	CLA	CMB-C2B	-2.73	1.46	1.51
14	s	502	CLA	CMB-C2B	-2.73	1.46	1.51
14	G	1103	CLA	CMC-C2C	-2.73	1.45	1.50
14	e	1129	CLA	C3B-C2B	-2.73	1.36	1.40
14	Y	502	CLA	CMB-C2B	-2.73	1.46	1.51
14	G	1129	CLA	C3B-C2B	-2.73	1.36	1.40
21	V	5216	SQD	O47-C7	2.73	1.42	1.34
14	Y	508	CLA	CHC-C1C	2.72	1.42	1.35
14	f	1208	CLA	CMB-C2B	-2.72	1.46	1.51
14	e	1103	CLA	CMC-C2C	-2.72	1.45	1.50
14	A	1237	CLA	C1D-ND	2.72	1.41	1.37
14	G	1103	CLA	C1D-ND	2.72	1.41	1.37
14	q	516	CLA	C1D-ND	2.72	1.41	1.37
14	G	1115	CLA	CMC-C2C	-2.72	1.45	1.50
14	H	1012	CLA	C1D-ND	2.72	1.41	1.37
14	q	508	CLA	CHC-C1C	2.72	1.41	1.35
14	f	1012	CLA	C1D-ND	2.72	1.41	1.37
14	A	1115	CLA	CMC-C2C	-2.72	1.45	1.50
14	n	1503	CLA	CHC-C1C	2.72	1.41	1.35
14	B	1208	CLA	CMB-C2B	-2.72	1.46	1.51
14	G	1125	CLA	CMB-C2B	-2.72	1.46	1.51
14	f	1232	CLA	CMB-C2B	-2.72	1.46	1.51
14	A	1129	CLA	C3B-C2B	-2.72	1.36	1.40
14	A	1136	CLA	C3B-C2B	-2.72	1.36	1.40
14	A	1135	CLA	MG-ND	-2.72	2.00	2.05
14	e	1125	CLA	CMB-C2B	-2.72	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1136	CLA	C3B-C2B	-2.71	1.36	1.40
14	f	1210	CLA	CMB-C2B	-2.71	1.46	1.51
14	A	1137	CLA	CMB-C2B	-2.71	1.46	1.51
14	H	1210	CLA	CMB-C2B	-2.71	1.46	1.51
14	e	1122	CLA	CHC-C1C	2.71	1.41	1.35
14	B	1210	CLA	CMB-C2B	-2.71	1.46	1.51
14	G	1237	CLA	C1D-ND	2.71	1.41	1.37
14	F	1301	CLA	CMB-C2B	-2.71	1.46	1.51
14	l	516	CLA	C1D-ND	2.71	1.41	1.37
14	H	1205	CLA	CHC-C1C	2.71	1.41	1.35
14	G	1137	CLA	CMB-C2B	-2.71	1.46	1.51
14	L	1502	CLA	C1D-ND	2.70	1.41	1.37
14	e	1101	CLA	CMB-C2B	-2.70	1.46	1.51
14	B	1205	CLA	CHC-C1C	2.70	1.41	1.35
14	e	1135	CLA	CMB-C2B	-2.70	1.46	1.51
14	e	1107	CLA	C1D-ND	2.70	1.41	1.37
14	A	1103	CLA	C1D-ND	2.70	1.41	1.37
14	r	506	CLA	CMB-C2B	-2.70	1.46	1.51
14	A	1122	CLA	CHC-C1C	2.70	1.41	1.35
14	f	1205	CLA	CHC-C1C	2.70	1.41	1.35
14	R	1301	CLA	CMB-C2B	-2.70	1.46	1.51
14	Z	506	CLA	CMB-C2B	-2.70	1.46	1.51
14	f	1221	CLA	CMD-C2D	-2.70	1.45	1.50
14	f	1215	CLA	CHC-C1C	2.69	1.41	1.35
14	A	1101	CLA	CMB-C2B	-2.69	1.46	1.51
14	B	1012	CLA	C1D-ND	2.69	1.41	1.37
14	3	502	CLA	CMB-C2B	-2.69	1.46	1.51
14	G	1128	CLA	C1D-ND	2.69	1.41	1.37
14	f	1205	CLA	CMC-C2C	-2.69	1.45	1.50
14	G	1135	CLA	MG-ND	-2.69	2.00	2.05
14	A	1125	CLA	CMB-C2B	-2.69	1.46	1.51
14	H	1230	CLA	C3B-C2B	-2.69	1.36	1.40
14	a	502	CLA	CMB-C2B	-2.68	1.46	1.51
14	G	1135	CLA	CMB-C2B	-2.68	1.46	1.51
14	A	1135	CLA	CMB-C2B	-2.68	1.46	1.51
14	A	1107	CLA	C1D-ND	2.68	1.41	1.37
14	G	1129	CLA	MG-ND	-2.68	2.00	2.05
14	e	1135	CLA	MG-ND	-2.68	2.00	2.05
14	e	1103	CLA	C1D-ND	2.68	1.41	1.37
14	a	512	CLA	CMB-C2B	-2.68	1.46	1.51
14	G	1124	CLA	CMD-C2D	-2.68	1.45	1.50
14	e	1103	CLA	CMD-C2D	-2.68	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1115	CLA	CMC-C2C	-2.68	1.45	1.50
14	e	1124	CLA	CMD-C2D	-2.68	1.45	1.50
14	f	1220	CLA	CMC-C2C	-2.68	1.45	1.50
14	e	1101	CLA	CMD-C2D	-2.68	1.45	1.50
14	B	1234	CLA	CMB-C2B	-2.67	1.46	1.51
14	G	1103	CLA	CMD-C2D	-2.67	1.45	1.50
14	G	1111	CLA	C1D-ND	2.67	1.41	1.37
14	L	1502	CLA	CMB-C2B	-2.67	1.46	1.51
14	H	1234	CLA	CMB-C2B	-2.67	1.46	1.51
14	A	1124	CLA	CMD-C2D	-2.67	1.45	1.50
14	B	1215	CLA	CHC-C1C	2.67	1.41	1.35
14	H	1229	CLA	C1D-ND	2.67	1.41	1.37
14	H	1220	CLA	CMC-C2C	-2.67	1.45	1.50
14	v	512	CLA	CMB-C2B	-2.67	1.46	1.51
14	G	1011	CLA	CHC-C1C	2.67	1.41	1.35
14	B	1205	CLA	CMC-C2C	-2.66	1.45	1.50
14	n	1503	CLA	CMB-C2B	-2.66	1.46	1.51
14	A	1111	CLA	C1D-ND	2.66	1.41	1.37
14	2	506	CLA	CMB-C2B	-2.66	1.46	1.51
14	G	1118	CLA	CMB-C2B	-2.66	1.46	1.51
14	B	1221	CLA	CMD-C2D	-2.66	1.45	1.50
14	H	1205	CLA	CMC-C2C	-2.66	1.45	1.50
14	A	1103	CLA	CMD-C2D	-2.66	1.45	1.50
14	f	1230	CLA	C3B-C2B	-2.66	1.36	1.40
14	3	512	CLA	CMB-C2B	-2.66	1.46	1.51
14	6	512	CLA	CMB-C2B	-2.65	1.46	1.51
14	e	1109	CLA	CHC-C1C	2.65	1.41	1.35
14	H	1215	CLA	CHC-C1C	2.65	1.41	1.35
14	A	1011	CLA	CHC-C1C	2.65	1.41	1.35
14	e	1117	CLA	C3B-C2B	-2.65	1.36	1.40
14	A	1101	CLA	CMD-C2D	-2.65	1.45	1.50
14	f	1211	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	1109	CLA	CHC-C1C	2.65	1.41	1.35
14	f	1236	CLA	C3B-C2B	-2.65	1.36	1.40
14	e	1011	CLA	CHC-C1C	2.65	1.41	1.35
14	A	1119	CLA	CHC-C1C	2.65	1.41	1.35
14	B	1220	CLA	CMC-C2C	-2.65	1.45	1.50
14	n	1502	CLA	CMB-C2B	-2.65	1.46	1.51
14	T	1302	CLA	CMB-C2B	-2.65	1.46	1.51
14	V	1502	CLA	CMB-C2B	-2.65	1.46	1.51
14	B	1230	CLA	C3B-C2B	-2.65	1.36	1.40
14	G	1107	CLA	C1D-ND	2.65	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1101	CLA	CMD-C2D	-2.65	1.45	1.50
14	f	1234	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	1118	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	1129	CLA	MG-ND	-2.65	2.00	2.05
14	e	1129	CLA	MG-ND	-2.65	2.00	2.05
14	H	1211	CLA	CMD-C2D	-2.64	1.45	1.50
14	e	1131	CLA	C3B-CAB	-2.64	1.42	1.47
14	G	1109	CLA	CHC-C1C	2.64	1.41	1.35
14	A	1117	CLA	C3B-C2B	-2.64	1.36	1.40
14	A	1131	CLA	C1D-ND	2.64	1.41	1.37
14	L	1503	CLA	CMB-C2B	-2.64	1.46	1.51
14	f	1229	CLA	C1D-ND	2.64	1.41	1.37
14	f	1214	CLA	C3B-C2B	-2.63	1.36	1.40
14	J	1302	CLA	CMB-C2B	-2.63	1.46	1.51
14	Z	519	CLA	CMB-C2B	-2.63	1.46	1.51
18	V	5218	LHG	O7-C5	-2.63	1.40	1.46
14	B	1229	CLA	C1D-ND	2.63	1.41	1.37
14	G	1117	CLA	C3B-C2B	-2.63	1.36	1.40
14	e	1118	CLA	CMB-C2B	-2.63	1.46	1.51
14	s	506	CLA	CMB-C2B	-2.63	1.46	1.51
18	e	5003	LHG	O7-C5	-2.63	1.40	1.46
14	s	512	CLA	CMB-C2B	-2.63	1.46	1.51
14	V	1503	CLA	CMB-C2B	-2.63	1.46	1.51
14	H	1221	CLA	CMD-C2D	-2.63	1.45	1.50
14	A	1121	CLA	CHC-C1C	2.63	1.41	1.35
14	d	512	CLA	CMB-C2B	-2.63	1.46	1.51
14	Z	509	CLA	CMB-C2B	-2.63	1.46	1.51
14	v	519	CLA	CMB-C2B	-2.63	1.46	1.51
14	e	1022	CLA	CMD-C2D	-2.63	1.45	1.50
14	G	1131	CLA	C1D-ND	2.62	1.41	1.37
14	e	1121	CLA	CHC-C1C	2.62	1.41	1.35
14	B	1211	CLA	CMD-C2D	-2.62	1.45	1.50
14	e	1119	CLA	CHC-C1C	2.62	1.41	1.35
14	f	1218	CLA	CMB-C2B	-2.62	1.46	1.51
14	B	1231	CLA	CMB-C2B	-2.62	1.46	1.51
14	B	1236	CLA	C3B-C2B	-2.62	1.36	1.40
14	4	506	CLA	CMB-C2B	-2.62	1.46	1.51
14	G	1111	CLA	CMB-C2B	-2.62	1.46	1.51
14	A	1111	CLA	CMB-C2B	-2.62	1.46	1.51
14	2	519	CLA	CMB-C2B	-2.62	1.46	1.51
21	f	1852	SQD	O47-C7	2.62	1.41	1.34
14	G	1132	CLA	CMB-C2B	-2.62	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	509	CLA	CMB-C2B	-2.62	1.46	1.51
14	G	1121	CLA	CHC-C1C	2.62	1.41	1.35
14	6	519	CLA	CMB-C2B	-2.62	1.46	1.51
14	G	1131	CLA	C3B-CAB	-2.62	1.42	1.47
14	H	1203	CLA	CMB-C2B	-2.62	1.46	1.51
14	H	1224	CLA	CMB-C2B	-2.62	1.46	1.51
14	l	1302	CLA	CMB-C2B	-2.62	1.46	1.51
14	s	518	CLA	CMB-C2B	-2.61	1.46	1.51
21	H	1852	SQD	O47-C7	2.61	1.41	1.34
14	A	1022	CLA	CMD-C2D	-2.61	1.45	1.50
14	e	1115	CLA	CMB-C2B	-2.61	1.46	1.51
14	B	1211	CLA	CMB-C2B	-2.61	1.46	1.51
14	f	1231	CLA	CMB-C2B	-2.61	1.46	1.51
18	L	5218	LHG	O7-C5	-2.61	1.40	1.46
14	B	1218	CLA	CMB-C2B	-2.61	1.46	1.51
14	H	1231	CLA	CMB-C2B	-2.61	1.46	1.51
14	Y	504	CLA	CMB-C2B	-2.61	1.46	1.51
14	f	1211	CLA	CMD-C2D	-2.61	1.45	1.50
14	G	1119	CLA	CHC-C1C	2.61	1.41	1.35
14	H	1021	CLA	C1D-ND	2.61	1.41	1.37
14	A	1131	CLA	C3B-CAB	-2.61	1.42	1.47
18	A	5003	LHG	O7-C5	-2.61	1.40	1.46
14	e	1111	CLA	C1D-ND	2.61	1.41	1.37
14	3	506	CLA	CMB-C2B	-2.61	1.46	1.51
14	Y	516	CLA	CMB-C2B	-2.61	1.46	1.51
14	Z	512	CLA	CMB-C2B	-2.61	1.46	1.51
14	r	512	CLA	CMB-C2B	-2.61	1.46	1.51
18	G	5003	LHG	O7-C5	-2.61	1.40	1.46
21	B	1852	SQD	O47-C7	2.60	1.41	1.34
18	n	5218	LHG	O7-C5	-2.60	1.40	1.46
14	r	519	CLA	CMB-C2B	-2.60	1.46	1.51
14	b	506	CLA	CMB-C2B	-2.60	1.46	1.51
14	q	510	CLA	CMB-C2B	-2.60	1.46	1.51
14	G	1115	CLA	CMB-C2B	-2.60	1.46	1.51
14	e	1111	CLA	CMB-C2B	-2.60	1.46	1.51
14	B	1224	CLA	CMB-C2B	-2.60	1.46	1.51
14	4	512	CLA	CMB-C2B	-2.60	1.46	1.51
14	b	511	CLA	CMB-C2B	-2.60	1.46	1.51
14	A	1132	CLA	CMB-C2B	-2.60	1.46	1.51
14	q	504	CLA	CMB-C2B	-2.60	1.46	1.51
14	a	506	CLA	CMB-C2B	-2.60	1.46	1.51
14	e	1132	CLA	C3B-C2B	-2.60	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	1103	CLA	CMB-C2B	-2.60	1.46	1.51
14	r	509	CLA	CMB-C2B	-2.60	1.46	1.51
14	v	511	CLA	CMB-C2B	-2.60	1.46	1.51
14	A	1115	CLA	CMB-C2B	-2.60	1.46	1.51
14	K	1103	CLA	CMB-C2B	-2.60	1.46	1.51
14	r	501	CLA	CMB-C2B	-2.60	1.46	1.51
14	B	1214	CLA	C3B-C2B	-2.60	1.36	1.40
14	u	511	CLA	CMB-C2B	-2.60	1.46	1.51
14	B	1021	CLA	C1D-ND	2.60	1.41	1.37
14	U	1103	CLA	CMB-C2B	-2.60	1.46	1.51
14	s	519	CLA	CMB-C2B	-2.60	1.46	1.51
14	G	1022	CLA	CMD-C2D	-2.59	1.45	1.50
14	d	519	CLA	CMB-C2B	-2.59	1.46	1.51
14	G	1022	CLA	C3B-C2B	-2.59	1.36	1.40
14	B	1203	CLA	CMB-C2B	-2.59	1.46	1.51
14	A	1022	CLA	C3B-C2B	-2.59	1.36	1.40
14	2	512	CLA	CMB-C2B	-2.59	1.46	1.51
14	t	506	CLA	CMB-C2B	-2.59	1.46	1.51
14	B	1220	CLA	CMB-C2B	-2.59	1.46	1.51
14	H	1211	CLA	CMB-C2B	-2.59	1.46	1.51
14	e	1112	CLA	CMB-C2B	-2.59	1.46	1.51
14	f	1023	CLA	CMB-C2B	-2.59	1.46	1.51
14	f	1220	CLA	CMB-C2B	-2.59	1.46	1.51
14	f	1210	CLA	CMC-C2C	-2.59	1.45	1.50
14	f	1224	CLA	CMB-C2B	-2.59	1.46	1.51
14	H	1023	CLA	CMB-C2B	-2.59	1.46	1.51
14	2	501	CLA	CMB-C2B	-2.59	1.46	1.51
14	H	1227	CLA	C3B-CAB	-2.59	1.42	1.47
14	a	518	CLA	CMB-C2B	-2.59	1.46	1.51
14	a	519	CLA	CMB-C2B	-2.59	1.46	1.51
14	b	509	CLA	CMB-C2B	-2.59	1.46	1.51
14	b	512	CLA	CMB-C2B	-2.59	1.46	1.51
14	e	1116	CLA	CMB-C2B	-2.59	1.46	1.51
14	f	1203	CLA	CMB-C2B	-2.59	1.46	1.51
14	3	519	CLA	CMB-C2B	-2.59	1.46	1.51
14	1	504	CLA	CMB-C2B	-2.59	1.46	1.51
14	G	1801	CLA	CMB-C2B	-2.59	1.46	1.51
14	u	513	CLA	CMB-C2B	-2.58	1.46	1.51
14	A	1116	CLA	CMB-C2B	-2.58	1.46	1.51
14	e	1131	CLA	C1D-ND	2.58	1.41	1.37
14	A	1112	CLA	CMB-C2B	-2.58	1.46	1.51
14	B	1023	CLA	CMB-C2B	-2.58	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	3	518	CLA	CMB-C2B	-2.58	1.46	1.51
14	H	1218	CLA	CMB-C2B	-2.58	1.46	1.51
14	4	509	CLA	CMB-C2B	-2.58	1.46	1.51
14	H	1210	CLA	CMC-C2C	-2.58	1.45	1.50
14	e	1140	CLA	CMC-C2C	-2.58	1.45	1.50
14	G	1112	CLA	CMB-C2B	-2.58	1.46	1.51
14	G	1132	CLA	C3B-C2B	-2.58	1.36	1.40
14	A	1801	CLA	CMB-C2B	-2.58	1.46	1.51
14	n	1501	CLA	C3B-C2B	-2.58	1.36	1.40
14	B	1212	CLA	CMC-C2C	-2.58	1.45	1.50
14	f	1238	CLA	CMD-C2D	-2.58	1.45	1.50
14	c	513	CLA	CMB-C2B	-2.58	1.46	1.51
14	d	518	CLA	CMB-C2B	-2.57	1.46	1.51
14	F	1302	CLA	C3B-C2B	-2.57	1.36	1.40
14	1	510	CLA	CMB-C2B	-2.57	1.46	1.51
14	t	511	CLA	CMB-C2B	-2.57	1.46	1.51
14	A	1132	CLA	C3B-C2B	-2.57	1.36	1.40
14	Z	513	CLA	CMB-C2B	-2.57	1.46	1.51
14	A	1140	CLA	CMC-C2C	-2.57	1.45	1.50
14	G	1140	CLA	CMC-C2C	-2.57	1.45	1.50
14	3	511	CLA	CMB-C2B	-2.57	1.46	1.51
14	4	511	CLA	CMB-C2B	-2.57	1.46	1.51
14	Y	517	CLA	CMB-C2B	-2.57	1.46	1.51
14	2	504	CLA	CMB-C2B	-2.57	1.46	1.51
14	Y	510	CLA	CMB-C2B	-2.57	1.46	1.51
14	H	1236	CLA	C3B-C2B	-2.57	1.36	1.40
14	c	518	CLA	CMB-C2B	-2.57	1.46	1.51
14	f	1227	CLA	C3B-CAB	-2.57	1.42	1.47
14	H	1212	CLA	CMC-C2C	-2.57	1.45	1.50
14	e	1132	CLA	CMB-C2B	-2.57	1.46	1.51
14	B	1227	CLA	C3B-CAB	-2.57	1.42	1.47
14	f	1204	CLA	CMB-C2B	-2.57	1.46	1.51
14	1	516	CLA	CMB-C2B	-2.57	1.46	1.51
14	6	511	CLA	CMB-C2B	-2.57	1.46	1.51
14	a	509	CLA	CMB-C2B	-2.57	1.46	1.51
14	H	1220	CLA	CMB-C2B	-2.57	1.46	1.51
14	t	509	CLA	CMB-C2B	-2.57	1.46	1.51
14	5	511	CLA	CMB-C2B	-2.57	1.46	1.51
14	j	1302	CLA	C3B-C2B	-2.57	1.36	1.40
14	2	513	CLA	CMB-C2B	-2.56	1.46	1.51
14	e	1801	CLA	CMB-C2B	-2.56	1.46	1.51
14	q	516	CLA	CMB-C2B	-2.56	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	t	512	CLA	CMB-C2B	-2.56	1.46	1.51
14	G	1104	CLA	CMB-C2B	-2.56	1.46	1.51
14	c	509	CLA	CMB-C2B	-2.56	1.46	1.51
14	s	511	CLA	CMB-C2B	-2.56	1.46	1.51
14	A	1104	CLA	CMB-C2B	-2.56	1.46	1.51
14	e	1104	CLA	CMB-C2B	-2.56	1.46	1.51
14	B	1210	CLA	CMC-C2C	-2.56	1.45	1.50
14	Y	519	CLA	CMB-C2B	-2.56	1.46	1.51
14	5	513	CLA	CMB-C2B	-2.56	1.46	1.51
14	G	1118	CLA	CMD-C2D	-2.56	1.45	1.50
14	1	519	CLA	CMB-C2B	-2.56	1.46	1.51
14	3	509	CLA	CMB-C2B	-2.56	1.46	1.51
14	G	1116	CLA	CMB-C2B	-2.56	1.46	1.51
14	f	1223	CLA	CMC-C2C	-2.56	1.45	1.50
14	d	511	CLA	CMB-C2B	-2.56	1.46	1.51
14	s	509	CLA	CMB-C2B	-2.56	1.46	1.51
14	4	501	CLA	CMB-C2B	-2.56	1.46	1.51
14	6	518	CLA	CMB-C2B	-2.56	1.46	1.51
14	Z	501	CLA	CMB-C2B	-2.56	1.46	1.51
14	v	501	CLA	CMB-C2B	-2.55	1.46	1.51
14	Z	504	CLA	CMB-C2B	-2.55	1.46	1.51
14	f	1212	CLA	CMC-C2C	-2.55	1.45	1.50
14	B	1223	CLA	CMC-C2C	-2.55	1.45	1.50
14	H	1238	CLA	CMD-C2D	-2.55	1.45	1.50
14	u	512	CLA	CMB-C2B	-2.55	1.46	1.51
14	e	1139	CLA	CMD-C2D	-2.55	1.45	1.50
14	H	1204	CLA	CMB-C2B	-2.55	1.46	1.51
14	b	501	CLA	CMB-C2B	-2.55	1.46	1.51
14	5	518	CLA	CMB-C2B	-2.55	1.46	1.51
14	L	1501	CLA	C3B-C2B	-2.55	1.36	1.40
14	H	1214	CLA	C3B-C2B	-2.55	1.36	1.40
14	B	1238	CLA	CMD-C2D	-2.55	1.45	1.50
14	a	504	CLA	CMB-C2B	-2.55	1.46	1.51
14	B	1204	CLA	CMB-C2B	-2.55	1.46	1.51
14	c	511	CLA	CMB-C2B	-2.55	1.46	1.51
14	V	1501	CLA	C3B-C2B	-2.55	1.36	1.40
14	3	504	CLA	CMB-C2B	-2.55	1.46	1.51
14	5	509	CLA	CMB-C2B	-2.55	1.46	1.51
14	G	1114	CLA	C3B-C2B	-2.55	1.36	1.40
14	e	1022	CLA	C3B-C2B	-2.55	1.36	1.40
14	f	1021	CLA	C1D-ND	2.55	1.40	1.37
14	A	1105	CLA	CMB-C2B	-2.54	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1105	CLA	CMB-C2B	-2.54	1.46	1.51
14	6	501	CLA	CMB-C2B	-2.54	1.46	1.51
14	A	1114	CLA	C3B-C2B	-2.54	1.36	1.40
14	B	1219	CLA	CMD-C2D	-2.54	1.45	1.50
14	l	517	CLA	CMB-C2B	-2.54	1.46	1.51
14	a	511	CLA	CMB-C2B	-2.54	1.46	1.51
14	G	1105	CLA	CMB-C2B	-2.54	1.46	1.51
14	t	501	CLA	CMB-C2B	-2.54	1.46	1.51
14	6	510	CLA	CMB-C2B	-2.54	1.46	1.51
14	H	1223	CLA	CMC-C2C	-2.54	1.45	1.50
14	d	510	CLA	CMB-C2B	-2.54	1.46	1.51
14	f	1240	CLA	CMB-C2B	-2.54	1.46	1.51
14	Y	513	CLA	CMB-C2B	-2.54	1.46	1.51
14	r	504	CLA	CMB-C2B	-2.54	1.46	1.51
14	r	513	CLA	CMB-C2B	-2.54	1.46	1.51
14	e	1101	CLA	C3B-C2B	-2.54	1.36	1.40
14	A	1135	CLA	CHC-C1C	2.53	1.41	1.35
14	G	1135	CLA	CHC-C1C	2.53	1.41	1.35
14	5	512	CLA	CMB-C2B	-2.53	1.46	1.51
14	q	519	CLA	CMB-C2B	-2.53	1.46	1.51
14	v	518	CLA	CMB-C2B	-2.53	1.46	1.51
14	4	504	CLA	CMB-C2B	-2.53	1.46	1.51
14	A	1139	CLA	CMD-C2D	-2.53	1.45	1.50
14	G	1139	CLA	CMD-C2D	-2.53	1.45	1.50
14	R	1302	CLA	C3B-C2B	-2.53	1.36	1.40
14	A	1113	CLA	CMB-C2B	-2.53	1.46	1.51
14	s	504	CLA	CMB-C2B	-2.53	1.46	1.51
14	G	1237	CLA	CMD-C2D	-2.53	1.45	1.50
14	3	513	CLA	CMB-C2B	-2.53	1.46	1.51
14	A	1237	CLA	CMD-C2D	-2.53	1.45	1.50
14	e	1113	CLA	CMB-C2B	-2.53	1.46	1.51
14	q	501	CLA	CMB-C2B	-2.53	1.46	1.51
14	G	1101	CLA	CMC-C2C	-2.53	1.45	1.50
14	Y	503	CLA	CMB-C2B	-2.53	1.46	1.51
14	A	1118	CLA	CMD-C2D	-2.53	1.45	1.50
14	d	509	CLA	CMB-C2B	-2.53	1.46	1.51
14	e	1135	CLA	CHC-C1C	2.53	1.41	1.35
14	Y	501	CLA	CMB-C2B	-2.53	1.46	1.51
14	a	513	CLA	CMB-C2B	-2.53	1.46	1.51
14	c	507	CLA	CMB-C2B	-2.53	1.46	1.51
14	u	518	CLA	CMB-C2B	-2.53	1.46	1.51
14	a	505	CLA	CMD-C2D	-2.53	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1219	CLA	CMD-C2D	-2.52	1.45	1.50
14	A	1102	CLA	CMB-C2B	-2.52	1.46	1.51
14	l	501	CLA	CMB-C2B	-2.52	1.46	1.51
14	c	512	CLA	CMB-C2B	-2.52	1.46	1.51
14	A	1101	CLA	CMC-C2C	-2.52	1.45	1.50
14	f	1219	CLA	CMD-C2D	-2.52	1.45	1.50
14	q	513	CLA	CMB-C2B	-2.52	1.46	1.51
14	B	1240	CLA	CMB-C2B	-2.52	1.46	1.51
14	H	1206	CLA	CHC-C1C	2.52	1.41	1.35
14	A	1101	CLA	C3B-C2B	-2.52	1.36	1.40
14	G	1138	CLA	C3B-C2B	-2.52	1.36	1.40
14	l	513	CLA	CMB-C2B	-2.52	1.46	1.51
14	u	509	CLA	CMB-C2B	-2.52	1.46	1.51
14	e	1237	CLA	CMD-C2D	-2.52	1.45	1.50
14	5	510	CLA	CMB-C2B	-2.52	1.46	1.51
14	v	510	CLA	CMB-C2B	-2.52	1.46	1.51
14	A	1126	CLA	CMB-C2B	-2.52	1.46	1.51
14	q	517	CLA	CMB-C2B	-2.52	1.46	1.51
14	d	501	CLA	CMB-C2B	-2.52	1.46	1.51
14	H	1240	CLA	CMB-C2B	-2.52	1.46	1.51
14	b	518	CLA	CMB-C2B	-2.52	1.46	1.51
14	e	1102	CLA	CMB-C2B	-2.52	1.46	1.51
14	G	1126	CLA	CMB-C2B	-2.52	1.46	1.51
14	e	1126	CLA	CMB-C2B	-2.52	1.46	1.51
14	t	504	CLA	CMB-C2B	-2.52	1.46	1.51
14	3	505	CLA	CMD-C2D	-2.52	1.45	1.50
14	5	503	CLA	CMB-C2B	-2.51	1.46	1.51
14	H	1240	CLA	CMD-C2D	-2.51	1.45	1.50
14	l	503	CLA	CMB-C2B	-2.51	1.46	1.51
14	t	518	CLA	CMB-C2B	-2.51	1.46	1.51
14	B	1206	CLA	CHC-C1C	2.51	1.41	1.35
14	e	1114	CLA	C3B-C2B	-2.51	1.36	1.40
14	6	503	CLA	CMB-C2B	-2.51	1.46	1.51
14	c	519	CLA	CMB-C2B	-2.51	1.46	1.51
21	f	1852	SQD	O47-C45	-2.51	1.40	1.46
14	4	518	CLA	CMB-C2B	-2.51	1.46	1.51
14	r	517	CLA	CMB-C2B	-2.51	1.46	1.51
14	H	1217	CLA	CMB-C2B	-2.51	1.46	1.51
14	f	1234	CLA	MG-ND	-2.51	2.00	2.05
14	e	1118	CLA	CMD-C2D	-2.51	1.45	1.50
14	B	1217	CLA	CMB-C2B	-2.51	1.46	1.51
14	u	510	CLA	CMB-C2B	-2.51	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	5	501	CLA	CMB-C2B	-2.51	1.46	1.51
14	G	1101	CLA	C3B-C2B	-2.51	1.36	1.40
14	B	1212	CLA	CMB-C2B	-2.51	1.46	1.51
14	u	504	CLA	CMB-C2B	-2.51	1.46	1.51
14	5	507	CLA	CMB-C2B	-2.51	1.46	1.51
14	c	510	CLA	CMB-C2B	-2.51	1.46	1.51
14	r	510	CLA	CMB-C2B	-2.50	1.46	1.51
14	B	1240	CLA	CMD-C2D	-2.50	1.45	1.50
14	b	504	CLA	CMB-C2B	-2.50	1.46	1.51
14	f	1206	CLA	CHC-C1C	2.50	1.41	1.35
14	d	503	CLA	CMB-C2B	-2.50	1.46	1.51
14	c	501	CLA	CMB-C2B	-2.50	1.46	1.51
14	e	1136	CLA	CMD-C2D	-2.50	1.45	1.50
14	6	509	CLA	CMB-C2B	-2.50	1.46	1.51
14	G	1113	CLA	CMB-C2B	-2.50	1.46	1.51
14	H	1212	CLA	CMB-C2B	-2.50	1.46	1.51
14	A	1138	CLA	C3B-C2B	-2.50	1.36	1.40
14	c	503	CLA	CMB-C2B	-2.50	1.46	1.51
14	s	513	CLA	CMB-C2B	-2.50	1.46	1.51
14	A	1123	CLA	CMB-C2B	-2.50	1.46	1.51
14	f	1012	CLA	CMB-C2B	-2.50	1.46	1.51
14	G	1102	CLA	CMB-C2B	-2.50	1.46	1.51
14	G	1123	CLA	CMD-C2D	-2.50	1.45	1.50
14	a	517	CLA	CMB-C2B	-2.50	1.46	1.51
14	f	1212	CLA	CMB-C2B	-2.50	1.46	1.51
14	G	1120	CLA	CMB-C2B	-2.50	1.46	1.51
14	G	1137	CLA	C3B-C2B	-2.50	1.36	1.40
14	s	505	CLA	CMD-C2D	-2.50	1.45	1.50
14	H	1228	CLA	CMB-C2B	-2.50	1.46	1.51
14	c	517	CLA	CMB-C2B	-2.50	1.46	1.51
14	e	1101	CLA	CMC-C2C	-2.50	1.45	1.50
14	K	1401	CLA	CMB-C2B	-2.50	1.46	1.51
14	U	1401	CLA	CMB-C2B	-2.49	1.46	1.51
14	5	519	CLA	CMB-C2B	-2.49	1.46	1.51
14	B	1234	CLA	MG-ND	-2.49	2.00	2.05
14	B	1228	CLA	CMB-C2B	-2.49	1.46	1.51
14	b	510	CLA	CMB-C2B	-2.49	1.46	1.51
14	v	516	CLA	CMB-C2B	-2.49	1.46	1.51
14	G	1123	CLA	CMB-C2B	-2.49	1.46	1.51
14	e	1123	CLA	CMB-C2B	-2.49	1.46	1.51
14	f	1228	CLA	CMB-C2B	-2.49	1.46	1.51
14	b	516	CLA	CMB-C2B	-2.49	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1120	CLA	CMB-C2B	-2.49	1.46	1.51
14	b	507	CLA	CMB-C2B	-2.49	1.46	1.51
14	q	503	CLA	CMB-C2B	-2.49	1.46	1.51
14	t	510	CLA	CMB-C2B	-2.49	1.46	1.51
14	G	1109	CLA	CMD-C2D	-2.49	1.45	1.50
14	B	1012	CLA	CMB-C2B	-2.49	1.46	1.51
15	A	2001	PQN	C10-C1	-2.49	1.43	1.48
14	l	1303	CLA	CMB-C2B	-2.49	1.46	1.51
14	H	1012	CLA	CMB-C2B	-2.49	1.46	1.51
14	e	1128	CLA	MG-ND	-2.49	2.00	2.05
14	G	1131	CLA	CMD-C2D	-2.49	1.45	1.50
14	G	1128	CLA	MG-ND	-2.49	2.00	2.05
14	2	517	CLA	CMB-C2B	-2.49	1.46	1.51
14	H	1226	CLA	C1D-ND	2.49	1.40	1.37
14	H	1230	CLA	CMC-C2C	-2.49	1.45	1.50
21	B	1852	SQD	O47-C45	-2.49	1.40	1.46
14	5	506	CLA	CMB-C2B	-2.49	1.46	1.51
14	A	1119	CLA	C3B-C2B	-2.49	1.36	1.40
14	m	1401	CLA	CMB-C2B	-2.49	1.46	1.51
14	B	1214	CLA	CMC-C2C	-2.49	1.45	1.50
14	a	501	CLA	CMB-C2B	-2.48	1.46	1.51
14	e	1127	CLA	CMD-C2D	-2.48	1.45	1.50
14	T	1303	CLA	CMB-C2B	-2.48	1.46	1.51
14	A	1128	CLA	MG-ND	-2.48	2.00	2.05
14	H	1214	CLA	CMC-C2C	-2.48	1.45	1.50
14	b	505	CLA	CMD-C2D	-2.48	1.45	1.50
14	H	1234	CLA	MG-ND	-2.48	2.00	2.05
14	H	1202	CLA	CMB-C2B	-2.48	1.46	1.51
14	u	516	CLA	CMB-C2B	-2.48	1.46	1.51
14	A	1120	CLA	CMB-C2B	-2.48	1.46	1.51
14	t	519	CLA	CMB-C2B	-2.48	1.46	1.51
14	f	1240	CLA	CMD-C2D	-2.48	1.45	1.50
14	Z	503	CLA	CMB-C2B	-2.48	1.46	1.51
14	4	507	CLA	CMB-C2B	-2.48	1.46	1.51
14	b	519	CLA	CMB-C2B	-2.48	1.46	1.51
14	v	506	CLA	CMB-C2B	-2.48	1.46	1.51
14	e	1123	CLA	CMD-C2D	-2.48	1.45	1.50
14	b	503	CLA	CMB-C2B	-2.48	1.46	1.51
17	n	4219	BCR	C21-C22	-2.48	1.32	1.35
21	H	1852	SQD	O47-C45	-2.48	1.40	1.46
14	4	519	CLA	CMB-C2B	-2.48	1.46	1.51
14	u	517	CLA	CMB-C2B	-2.48	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	5	504	CLA	CMB-C2B	-2.48	1.46	1.51
14	u	501	CLA	CMB-C2B	-2.48	1.46	1.51
14	4	505	CLA	CMD-C2D	-2.48	1.45	1.50
14	G	1122	CLA	CMC-C2C	-2.48	1.45	1.50
14	v	503	CLA	CMB-C2B	-2.48	1.46	1.51
14	4	516	CLA	CMB-C2B	-2.48	1.46	1.51
14	e	1107	CLA	MG-ND	-2.48	2.00	2.05
14	2	510	CLA	CMB-C2B	-2.48	1.46	1.51
14	q	512	CLA	CMB-C2B	-2.48	1.46	1.51
14	f	1217	CLA	CMB-C2B	-2.48	1.46	1.51
14	d	516	CLA	CMB-C2B	-2.47	1.46	1.51
14	v	509	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	1123	CLA	CMD-C2D	-2.47	1.45	1.50
14	f	1214	CLA	CMC-C2C	-2.47	1.45	1.50
14	B	1213	CLA	CMB-C2B	-2.47	1.46	1.51
14	5	517	CLA	CMB-C2B	-2.47	1.46	1.51
14	6	516	CLA	CMB-C2B	-2.47	1.46	1.51
14	f	1202	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	1131	CLA	CMD-C2D	-2.47	1.45	1.50
14	f	1213	CLA	CMB-C2B	-2.47	1.46	1.51
14	Z	507	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	1122	CLA	CMC-C2C	-2.47	1.45	1.50
14	u	503	CLA	CMB-C2B	-2.47	1.46	1.51
14	t	505	CLA	CMD-C2D	-2.47	1.45	1.50
14	4	503	CLA	CMB-C2B	-2.47	1.46	1.51
14	4	510	CLA	CMB-C2B	-2.47	1.46	1.51
14	u	506	CLA	CMB-C2B	-2.47	1.46	1.51
14	v	517	CLA	CMB-C2B	-2.47	1.46	1.51
14	e	1122	CLA	CMC-C2C	-2.47	1.45	1.50
14	t	516	CLA	CMB-C2B	-2.47	1.46	1.51
15	G	2001	PQN	C10-C1	-2.47	1.43	1.48
14	2	507	CLA	CMB-C2B	-2.47	1.46	1.51
14	B	1230	CLA	CMC-C2C	-2.47	1.45	1.50
14	3	510	CLA	CMB-C2B	-2.47	1.46	1.51
14	t	507	CLA	CMB-C2B	-2.47	1.46	1.51
14	Z	517	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	1136	CLA	CMD-C2D	-2.47	1.45	1.50
14	c	504	CLA	CMB-C2B	-2.46	1.46	1.51
14	v	513	CLA	CMB-C2B	-2.46	1.46	1.51
14	d	513	CLA	CMB-C2B	-2.46	1.46	1.51
14	u	519	CLA	CMB-C2B	-2.46	1.46	1.51
14	5	501	CLA	CMC-C2C	-2.46	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1225	CLA	MG-ND	-2.46	2.00	2.05
14	r	518	CLA	CMB-C2B	-2.46	1.46	1.51
14	Z	510	CLA	CMB-C2B	-2.46	1.46	1.51
14	B	1226	CLA	C1D-ND	2.46	1.40	1.37
14	s	510	CLA	CMB-C2B	-2.46	1.46	1.51
14	s	517	CLA	CMB-C2B	-2.46	1.46	1.51
14	6	506	CLA	CMB-C2B	-2.46	1.46	1.51
14	a	507	CLA	CMB-C2B	-2.46	1.46	1.51
14	G	1136	CLA	CMD-C2D	-2.46	1.45	1.50
14	2	516	CLA	CMB-C2B	-2.46	1.46	1.51
14	3	517	CLA	CMB-C2B	-2.46	1.46	1.51
14	G	1107	CLA	MG-ND	-2.46	2.00	2.05
14	A	1109	CLA	CMD-C2D	-2.46	1.45	1.50
14	B	1202	CLA	CMB-C2B	-2.46	1.46	1.51
14	s	501	CLA	CMB-C2B	-2.46	1.46	1.51
14	A	1109	CLA	CMC-C2C	-2.46	1.45	1.50
14	H	1207	CLA	CMD-C2D	-2.46	1.45	1.50
14	5	516	CLA	CMB-C2B	-2.46	1.46	1.51
14	e	1109	CLA	CMD-C2D	-2.46	1.45	1.50
14	e	1131	CLA	CMD-C2D	-2.46	1.45	1.50
14	3	501	CLA	CMB-C2B	-2.46	1.46	1.51
14	B	1207	CLA	CMD-C2D	-2.46	1.45	1.50
14	Y	512	CLA	CMB-C2B	-2.46	1.46	1.51
14	Z	518	CLA	CMB-C2B	-2.46	1.46	1.51
14	e	1119	CLA	CMD-C2D	-2.46	1.45	1.50
14	c	506	CLA	CMB-C2B	-2.46	1.46	1.51
14	e	1138	CLA	C3B-C2B	-2.46	1.37	1.40
14	d	507	CLA	CMB-C2B	-2.45	1.46	1.51
14	u	507	CLA	CMB-C2B	-2.45	1.46	1.51
14	e	1119	CLA	C3B-C2B	-2.45	1.37	1.40
14	e	1135	CLA	C3B-CAB	-2.45	1.42	1.47
14	2	503	CLA	CMB-C2B	-2.45	1.46	1.51
14	c	501	CLA	CMC-C2C	-2.45	1.45	1.50
14	A	1107	CLA	MG-ND	-2.45	2.00	2.05
14	n	1503	CLA	CMC-C2C	-2.45	1.45	1.50
14	Z	516	CLA	CMB-C2B	-2.45	1.46	1.51
14	A	1127	CLA	CMD-C2D	-2.45	1.45	1.50
14	G	1127	CLA	CMD-C2D	-2.45	1.45	1.50
14	c	516	CLA	CMB-C2B	-2.45	1.46	1.51
14	2	518	CLA	CMB-C2B	-2.45	1.46	1.51
14	v	507	CLA	CMB-C2B	-2.45	1.46	1.51
14	V	1503	CLA	CMC-C2C	-2.45	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	1	512	CLA	CMB-C2B	-2.45	1.46	1.51
14	B	1021	CLA	CMC-C2C	-2.45	1.45	1.50
14	J	1303	CLA	CMB-C2B	-2.45	1.46	1.51
14	A	1119	CLA	CMD-C2D	-2.45	1.45	1.50
17	V	4219	BCR	C21-C22	-2.45	1.32	1.35
14	6	507	CLA	CMB-C2B	-2.45	1.46	1.51
14	d	506	CLA	CMB-C2B	-2.45	1.46	1.51
14	t	503	CLA	CMB-C2B	-2.45	1.46	1.51
14	G	1119	CLA	C3B-C2B	-2.45	1.37	1.40
14	H	1225	CLA	MG-ND	-2.45	2.00	2.05
14	3	503	CLA	CMB-C2B	-2.45	1.46	1.51
14	2	505	CLA	CMD-C2D	-2.45	1.45	1.50
14	6	513	CLA	CMB-C2B	-2.45	1.46	1.51
14	G	1112	CLA	C3B-C2B	-2.45	1.37	1.40
14	b	513	CLA	CMB-C2B	-2.45	1.46	1.51
14	B	1223	CLA	CMB-C2B	-2.45	1.46	1.51
14	r	516	CLA	CMB-C2B	-2.45	1.46	1.51
14	f	1021	CLA	CMC-C2C	-2.45	1.45	1.50
14	2	505	CLA	CMB-C2B	-2.45	1.46	1.51
14	H	1213	CLA	CMB-C2B	-2.45	1.46	1.51
14	u	501	CLA	CMC-C2C	-2.44	1.45	1.50
14	G	1119	CLA	CMD-C2D	-2.44	1.45	1.50
14	f	1207	CLA	CMD-C2D	-2.44	1.45	1.50
14	3	507	CLA	CMB-C2B	-2.44	1.46	1.51
14	r	507	CLA	CMB-C2B	-2.44	1.46	1.51
14	r	505	CLA	CMD-C2D	-2.44	1.45	1.50
14	f	1230	CLA	CMC-C2C	-2.44	1.45	1.50
14	f	1207	CLA	CMB-C2B	-2.44	1.46	1.51
14	A	1135	CLA	C3B-CAB	-2.44	1.43	1.47
14	H	1230	CLA	CMD-C2D	-2.44	1.45	1.50
14	a	503	CLA	CMB-C2B	-2.44	1.46	1.51
15	e	2001	PQN	C10-C1	-2.44	1.43	1.48
14	Z	505	CLA	CMD-C2D	-2.44	1.45	1.50
14	t	505	CLA	CMB-C2B	-2.44	1.46	1.51
14	6	517	CLA	CMB-C2B	-2.44	1.46	1.51
14	e	1128	CLA	CHC-C1C	2.44	1.41	1.35
14	a	510	CLA	CMB-C2B	-2.44	1.46	1.51
14	L	1503	CLA	CMC-C2C	-2.44	1.45	1.50
14	H	1207	CLA	CMB-C2B	-2.44	1.46	1.51
14	r	503	CLA	CMB-C2B	-2.44	1.46	1.51
14	H	1223	CLA	CMB-C2B	-2.44	1.46	1.51
14	d	517	CLA	CMB-C2B	-2.44	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1107	CLA	CMC-C2C	-2.44	1.45	1.50
14	l	518	CLA	CMB-C2B	-2.44	1.46	1.51
14	A	1137	CLA	C3B-C2B	-2.44	1.37	1.40
14	A	1107	CLA	CMC-C2C	-2.43	1.45	1.50
14	B	1225	CLA	C3B-CAB	-2.43	1.43	1.47
14	m	1103	CLA	CMD-C2D	-2.43	1.45	1.50
14	G	1109	CLA	CMC-C2C	-2.43	1.45	1.50
14	e	1113	CLA	CMC-C2C	-2.43	1.45	1.50
14	G	1113	CLA	CMC-C2C	-2.43	1.45	1.50
17	L	4219	BCR	C21-C22	-2.43	1.32	1.35
14	s	505	CLA	CMB-C2B	-2.43	1.46	1.51
14	4	513	CLA	CMB-C2B	-2.43	1.46	1.51
14	f	1225	CLA	MG-ND	-2.43	2.01	2.05
14	A	1022	CLA	MG-ND	-2.43	2.01	2.05
14	A	1113	CLA	CMC-C2C	-2.43	1.45	1.50
14	G	1128	CLA	CMD-C2D	-2.43	1.45	1.50
14	d	505	CLA	CMB-C2B	-2.43	1.46	1.51
14	A	1112	CLA	C3B-C2B	-2.43	1.37	1.40
14	H	1207	CLA	CMC-C2C	-2.43	1.45	1.50
14	3	516	CLA	CMB-C2B	-2.43	1.46	1.51
14	r	505	CLA	CMB-C2B	-2.43	1.46	1.51
14	f	1226	CLA	C1D-ND	2.43	1.40	1.37
14	H	1225	CLA	CMC-C2C	-2.43	1.45	1.50
14	e	1109	CLA	CMC-C2C	-2.43	1.45	1.50
14	t	513	CLA	CMB-C2B	-2.43	1.46	1.51
14	u	505	CLA	CMD-C2D	-2.43	1.45	1.50
14	Y	518	CLA	CMB-C2B	-2.43	1.46	1.51
14	G	1107	CLA	CMC-C2C	-2.42	1.45	1.50
14	c	505	CLA	CMD-C2D	-2.42	1.45	1.50
14	G	1135	CLA	C3B-CAB	-2.42	1.43	1.47
14	f	1239	CLA	CHC-C1C	2.42	1.41	1.35
14	m	1105	CLA	CMB-C2B	-2.42	1.46	1.51
14	A	1237	CLA	CMC-C2C	-2.42	1.45	1.50
14	e	1237	CLA	CMC-C2C	-2.42	1.45	1.50
14	f	1225	CLA	C3B-CAB	-2.42	1.43	1.47
14	e	1022	CLA	MG-ND	-2.42	2.01	2.05
14	A	1130	CLA	CMC-C2C	-2.42	1.45	1.50
14	B	1239	CLA	CHC-C1C	2.42	1.41	1.35
14	H	1239	CLA	CHC-C1C	2.42	1.41	1.35
18	B	1842	LHG	O8-C6	-2.42	1.39	1.45
14	5	505	CLA	CMD-C2D	-2.42	1.45	1.50
14	6	505	CLA	CMB-C2B	-2.42	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	s	503	CLA	CMB-C2B	-2.42	1.46	1.51
14	s	507	CLA	CMB-C2B	-2.42	1.46	1.51
14	G	1130	CLA	CMC-C2C	-2.42	1.45	1.50
14	G	1022	CLA	MG-ND	-2.42	2.01	2.05
14	H	1021	CLA	CMC-C2C	-2.42	1.45	1.50
14	B	1209	CLA	CMC-C2C	-2.42	1.45	1.50
14	K	1103	CLA	CMD-C2D	-2.42	1.45	1.50
14	Z	505	CLA	CMB-C2B	-2.42	1.46	1.51
14	H	1225	CLA	C3B-CAB	-2.42	1.43	1.47
14	A	1128	CLA	CMD-C2D	-2.41	1.45	1.50
14	f	1230	CLA	CMD-C2D	-2.41	1.45	1.50
14	1	505	CLA	CMB-C2B	-2.41	1.46	1.51
14	Z	502	CLA	C3B-C2B	-2.41	1.37	1.40
14	B	1230	CLA	CMD-C2D	-2.41	1.45	1.50
14	G	1128	CLA	CHC-C1C	2.41	1.41	1.35
14	B	1207	CLA	CMB-C2B	-2.41	1.46	1.51
18	H	1842	LHG	O8-C6	-2.41	1.39	1.45
14	5	505	CLA	CMB-C2B	-2.41	1.46	1.51
14	q	505	CLA	CMB-C2B	-2.41	1.46	1.51
14	2	502	CLA	C3B-C2B	-2.41	1.37	1.40
14	e	1126	CLA	CMD-C2D	-2.41	1.45	1.50
14	e	1130	CLA	CMC-C2C	-2.41	1.45	1.50
14	e	1137	CLA	C3B-C2B	-2.41	1.37	1.40
14	B	1207	CLA	CMC-C2C	-2.41	1.45	1.50
14	f	1203	CLA	CMC-C2C	-2.41	1.45	1.50
14	f	1209	CLA	CMC-C2C	-2.41	1.45	1.50
14	v	502	CLA	C3B-C2B	-2.41	1.37	1.40
14	q	518	CLA	CMB-C2B	-2.41	1.46	1.51
14	u	505	CLA	CMB-C2B	-2.41	1.46	1.51
14	H	1209	CLA	CMC-C2C	-2.41	1.45	1.50
14	B	1201	CLA	CMB-C2B	-2.41	1.46	1.51
14	A	1126	CLA	CMD-C2D	-2.41	1.45	1.50
14	H	1203	CLA	CMC-C2C	-2.41	1.45	1.50
14	A	1128	CLA	CHC-C1C	2.41	1.41	1.35
14	v	505	CLA	CMB-C2B	-2.40	1.46	1.51
14	3	505	CLA	CMB-C2B	-2.40	1.46	1.51
14	U	1105	CLA	CMB-C2B	-2.40	1.46	1.51
14	a	516	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	1237	CLA	CMC-C2C	-2.40	1.45	1.50
14	B	1203	CLA	CMC-C2C	-2.40	1.45	1.50
14	b	505	CLA	CMB-C2B	-2.40	1.46	1.51
15	e	2001	PQN	C5-C4	-2.40	1.43	1.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	4	505	CLA	CMB-C2B	-2.40	1.46	1.51
14	4	517	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	1132	CLA	CMD-C2D	-2.40	1.45	1.50
14	U	1103	CLA	CMD-C2D	-2.40	1.45	1.50
14	f	1223	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	1110	CLA	C3B-C2B	-2.40	1.37	1.40
14	e	1121	CLA	MG-ND	-2.40	2.01	2.05
15	H	2002	PQN	C11-C12	2.40	1.54	1.50
14	A	1121	CLA	MG-ND	-2.40	2.01	2.05
14	f	1226	CLA	CHC-C1C	2.40	1.41	1.35
14	e	1112	CLA	C3B-C2B	-2.40	1.37	1.40
14	G	1119	CLA	MG-ND	-2.40	2.01	2.05
14	t	517	CLA	CMB-C2B	-2.40	1.46	1.51
14	s	516	CLA	CMB-C2B	-2.40	1.46	1.51
14	f	1225	CLA	CMC-C2C	-2.40	1.45	1.50
14	A	1132	CLA	CMD-C2D	-2.39	1.45	1.50
21	f	1852	SQD	O4-C4	-2.39	1.37	1.43
15	A	2001	PQN	C5-C4	-2.39	1.43	1.48
14	B	1235	CLA	CMD-C2D	-2.39	1.45	1.50
14	Y	505	CLA	CMB-C2B	-2.39	1.46	1.51
14	f	1221	CLA	MG-ND	-2.39	2.01	2.05
14	H	1222	CLA	CMB-C2B	-2.39	1.46	1.51
14	B	1225	CLA	CMC-C2C	-2.39	1.45	1.50
14	e	1128	CLA	CMD-C2D	-2.39	1.45	1.50
14	L	1502	CLA	C3B-CAB	-2.39	1.43	1.47
14	f	1201	CLA	CMB-C2B	-2.39	1.46	1.51
14	G	1121	CLA	MG-ND	-2.39	2.01	2.05
18	f	1842	LHG	O8-C6	-2.39	1.39	1.45
14	e	1119	CLA	MG-ND	-2.39	2.01	2.05
14	H	1226	CLA	CHC-C1C	2.39	1.41	1.35
14	e	1132	CLA	CMD-C2D	-2.39	1.45	1.50
14	f	1222	CLA	CMB-C2B	-2.39	1.46	1.51
14	f	1207	CLA	CMC-C2C	-2.39	1.45	1.50
14	e	1237	CLA	MG-ND	-2.39	2.01	2.05
14	H	1201	CLA	CMB-C2B	-2.39	1.46	1.51
14	q	507	CLA	CMB-C2B	-2.39	1.46	1.51
14	G	1140	CLA	CMD-C2D	-2.38	1.45	1.50
14	K	1105	CLA	CMB-C2B	-2.38	1.46	1.51
14	A	1119	CLA	MG-ND	-2.38	2.01	2.05
14	B	1222	CLA	CMB-C2B	-2.38	1.46	1.51
14	n	1502	CLA	C3B-CAB	-2.38	1.43	1.47
14	c	505	CLA	CMB-C2B	-2.38	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1226	CLA	CHC-C1C	2.38	1.41	1.35
14	G	1126	CLA	CMD-C2D	-2.38	1.45	1.50
14	6	502	CLA	C3B-C2B	-2.38	1.37	1.40
14	b	517	CLA	CMB-C2B	-2.38	1.46	1.51
14	G	1112	CLA	CMC-C2C	-2.37	1.45	1.50
14	e	1140	CLA	CMD-C2D	-2.37	1.45	1.50
14	H	1235	CLA	CMD-C2D	-2.37	1.45	1.50
14	e	1138	CLA	CMD-C2D	-2.37	1.45	1.50
14	V	1502	CLA	C3B-CAB	-2.37	1.43	1.47
14	A	1237	CLA	MG-ND	-2.37	2.01	2.05
14	e	1112	CLA	CMC-C2C	-2.37	1.45	1.50
14	e	1126	CLA	CMC-C2C	-2.37	1.45	1.50
14	a	505	CLA	CMB-C2B	-2.37	1.46	1.51
14	B	1206	CLA	CMD-C2D	-2.37	1.45	1.50
14	2	501	CLA	CMC-C2C	-2.37	1.45	1.50
14	G	1132	CLA	CMC-C2C	-2.37	1.45	1.50
14	f	1235	CLA	CMD-C2D	-2.37	1.45	1.50
15	B	2002	PQN	C11-C12	2.37	1.54	1.50
21	B	1852	SQD	O4-C4	-2.37	1.37	1.43
14	A	1112	CLA	CMC-C2C	-2.37	1.45	1.50
14	B	1229	CLA	CMB-C2B	-2.37	1.46	1.51
14	H	1206	CLA	CMD-C2D	-2.37	1.45	1.50
14	Z	501	CLA	CMC-C2C	-2.37	1.45	1.50
14	q	516	CLA	CMD-C2D	-2.37	1.45	1.50
14	B	1221	CLA	MG-ND	-2.37	2.01	2.05
14	r	502	CLA	C3B-C2B	-2.36	1.37	1.40
14	H	1201	CLA	CMD-C2D	-2.36	1.45	1.50
14	r	501	CLA	CMC-C2C	-2.36	1.45	1.50
14	d	502	CLA	C3B-C2B	-2.36	1.37	1.40
14	l	516	CLA	CMD-C2D	-2.36	1.45	1.50
14	Z	513	CLA	C3B-C2B	-2.36	1.37	1.40
14	H	1226	CLA	CMC-C2C	-2.36	1.45	1.50
14	G	1111	CLA	CMD-C2D	-2.36	1.45	1.50
14	A	1126	CLA	CMC-C2C	-2.36	1.45	1.50
14	H	1221	CLA	MG-ND	-2.36	2.01	2.05
14	G	1126	CLA	CMC-C2C	-2.36	1.45	1.50
14	Y	516	CLA	CMD-C2D	-2.36	1.45	1.50
14	H	1229	CLA	CMB-C2B	-2.36	1.46	1.51
14	A	1140	CLA	CMD-C2D	-2.36	1.45	1.50
14	l	507	CLA	CMB-C2B	-2.36	1.46	1.51
14	Y	507	CLA	CMB-C2B	-2.35	1.46	1.51
15	G	2001	PQN	C5-C4	-2.35	1.43	1.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1202	CLA	CMD-C2D	-2.35	1.45	1.50
14	f	1201	CLA	CMD-C2D	-2.35	1.45	1.50
14	6	504	CLA	CMB-C2B	-2.35	1.46	1.51
14	f	1202	CLA	CMD-C2D	-2.35	1.45	1.50
14	Y	506	CLA	CMB-C2B	-2.35	1.46	1.51
14	v	505	CLA	CMD-C2D	-2.35	1.45	1.50
14	G	1237	CLA	MG-ND	-2.35	2.01	2.05
14	v	504	CLA	CMB-C2B	-2.35	1.46	1.51
15	f	2002	PQN	C11-C3	2.35	1.55	1.51
14	A	1111	CLA	CMD-C2D	-2.35	1.45	1.50
14	1	506	CLA	CMB-C2B	-2.35	1.46	1.51
14	t	508	CLA	C3B-C2B	-2.34	1.37	1.40
14	q	506	CLA	CMB-C2B	-2.34	1.46	1.51
17	G	4003	BCR	C30-C25	-2.34	1.50	1.53
14	A	1132	CLA	CMC-C2C	-2.34	1.45	1.50
14	d	505	CLA	CMD-C2D	-2.34	1.45	1.50
14	e	1111	CLA	CMD-C2D	-2.34	1.45	1.50
14	6	505	CLA	CMD-C2D	-2.34	1.45	1.50
21	H	1852	SQD	O4-C4	-2.34	1.37	1.43
15	e	2001	PQN	C11-C3	2.34	1.55	1.51
15	f	2002	PQN	C11-C12	2.34	1.54	1.50
14	f	1201	CLA	CMC-C2C	-2.34	1.45	1.50
14	u	518	CLA	CMD-C2D	-2.34	1.45	1.50
14	B	1201	CLA	CMC-C2C	-2.34	1.45	1.50
14	B	1226	CLA	CMC-C2C	-2.34	1.45	1.50
14	2	502	CLA	CMD-C2D	-2.34	1.45	1.50
14	B	1202	CLA	CMD-C2D	-2.34	1.45	1.50
14	e	1130	CLA	MG-ND	-2.34	2.01	2.05
14	A	1117	CLA	CMC-C2C	-2.34	1.45	1.50
14	c	518	CLA	CMD-C2D	-2.33	1.45	1.50
14	e	1132	CLA	CMC-C2C	-2.33	1.45	1.50
14	Z	502	CLA	CMD-C2D	-2.33	1.45	1.50
14	e	1113	CLA	CMD-C2D	-2.33	1.45	1.50
14	d	504	CLA	CMB-C2B	-2.33	1.46	1.51
14	H	1201	CLA	CMC-C2C	-2.33	1.45	1.50
14	A	1132	CLA	C3B-CAB	-2.33	1.43	1.47
14	A	1138	CLA	CMD-C2D	-2.33	1.45	1.50
14	G	1113	CLA	CMD-C2D	-2.33	1.45	1.50
14	e	1128	CLA	CMC-C2C	-2.33	1.45	1.50
14	f	1206	CLA	CMD-C2D	-2.33	1.45	1.50
14	A	1113	CLA	CMD-C2D	-2.33	1.45	1.50
14	G	1132	CLA	C3B-CAB	-2.33	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	1226	CLA	CMC-C2C	-2.33	1.45	1.50
14	A	1110	CLA	C3B-C2B	-2.33	1.37	1.40
14	r	513	CLA	C3B-C2B	-2.33	1.37	1.40
14	f	1229	CLA	CMB-C2B	-2.33	1.46	1.51
14	f	1206	CLA	CMC-C2C	-2.33	1.45	1.50
14	G	1138	CLA	CMD-C2D	-2.33	1.45	1.50
14	f	1216	CLA	CMC-C2C	-2.33	1.45	1.50
14	s	502	CLA	CMD-C2D	-2.33	1.45	1.50
14	B	1234	CLA	CMC-C2C	-2.33	1.45	1.50
14	H	1234	CLA	CMC-C2C	-2.33	1.45	1.50
14	G	1112	CLA	C3B-CAB	-2.32	1.43	1.47
14	b	502	CLA	C3B-C2B	-2.32	1.37	1.40
17	B	4017	BCR	C10-C9	-2.32	1.32	1.35
14	4	511	CLA	CMD-C2D	-2.32	1.45	1.50
14	A	1112	CLA	C3B-CAB	-2.32	1.43	1.47
14	G	1128	CLA	C4B-CHC	-2.32	1.34	1.41
15	H	2002	PQN	C11-C3	2.32	1.55	1.51
20	l	5104	LMG	O7-C8	-2.32	1.40	1.46
17	f	4017	BCR	C10-C9	-2.32	1.32	1.35
14	G	1117	CLA	CMC-C2C	-2.32	1.45	1.50
14	5	518	CLA	CMD-C2D	-2.32	1.45	1.50
20	T	5104	LMG	O7-C8	-2.32	1.40	1.46
14	B	1201	CLA	CMD-C2D	-2.32	1.45	1.50
14	Y	503	CLA	CMD-C2D	-2.32	1.45	1.50
20	J	5104	LMG	O7-C8	-2.32	1.40	1.46
14	A	1130	CLA	MG-ND	-2.32	2.01	2.05
15	A	2001	PQN	C11-C3	2.32	1.55	1.51
14	G	1110	CLA	CMD-C2D	-2.32	1.45	1.50
15	B	2002	PQN	C11-C3	2.32	1.55	1.51
14	f	1216	CLA	CMD-C2D	-2.32	1.45	1.50
14	3	502	CLA	CMD-C2D	-2.31	1.45	1.50
14	B	1226	CLA	C4B-CHC	-2.31	1.34	1.41
14	H	1215	CLA	CMD-C2D	-2.31	1.45	1.50
14	b	511	CLA	CMD-C2D	-2.31	1.45	1.50
14	f	1213	CLA	CMD-C2D	-2.31	1.45	1.50
14	f	1215	CLA	CMD-C2D	-2.31	1.45	1.50
14	s	506	CLA	CMC-C2C	-2.31	1.45	1.50
14	4	502	CLA	C3B-C2B	-2.31	1.37	1.40
14	H	1226	CLA	C3B-C2B	-2.31	1.37	1.40
14	j	1301	CLA	C3B-C2B	-2.31	1.37	1.40
14	B	1021	CLA	MG-ND	-2.31	2.01	2.05
14	H	1216	CLA	CMC-C2C	-2.31	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	u	502	CLA	CMD-C2D	-2.31	1.45	1.50
14	e	1128	CLA	C4B-CHC	-2.31	1.34	1.41
14	2	513	CLA	C3B-C2B	-2.31	1.37	1.40
14	e	1107	CLA	C3B-CAB	-2.31	1.43	1.47
15	G	2001	PQN	C11-C3	2.31	1.55	1.51
14	f	1226	CLA	C4B-CHC	-2.31	1.34	1.41
14	B	1216	CLA	CMC-C2C	-2.31	1.45	1.50
17	H	4017	BCR	C10-C9	-2.31	1.32	1.35
14	G	1133	CLA	MG-ND	-2.31	2.01	2.05
14	f	1021	CLA	MG-ND	-2.31	2.01	2.05
14	A	1135	CLA	C1D-ND	2.31	1.40	1.37
14	A	1128	CLA	CMC-C2C	-2.31	1.45	1.50
14	Z	512	CLA	C3B-C2B	-2.31	1.37	1.40
17	A	4003	BCR	C30-C25	-2.31	1.50	1.53
14	4	508	CLA	C3B-C2B	-2.31	1.37	1.40
14	G	1121	CLA	C3B-C2B	-2.31	1.37	1.40
14	e	1121	CLA	C3B-C2B	-2.31	1.37	1.40
14	H	1023	CLA	MG-ND	-2.31	2.01	2.05
14	H	1216	CLA	CMD-C2D	-2.30	1.45	1.50
14	G	1120	CLA	CMC-C2C	-2.30	1.45	1.50
14	F	1301	CLA	C3B-C2B	-2.30	1.37	1.40
14	t	502	CLA	C3B-C2B	-2.30	1.37	1.40
14	B	1206	CLA	CMC-C2C	-2.30	1.45	1.50
14	f	1234	CLA	CMC-C2C	-2.30	1.45	1.50
14	A	1120	CLA	CMC-C2C	-2.30	1.45	1.50
14	R	1301	CLA	C3B-C2B	-2.30	1.37	1.40
14	G	1123	CLA	MG-ND	-2.30	2.01	2.05
14	f	1226	CLA	C3B-C2B	-2.30	1.37	1.40
14	e	1108	CLA	CMD-C2D	-2.30	1.45	1.50
14	Z	517	CLA	CMC-C2C	-2.30	1.45	1.50
14	G	1105	CLA	CMD-C2D	-2.30	1.45	1.50
14	e	1117	CLA	CMC-C2C	-2.30	1.45	1.50
14	B	1216	CLA	CMD-C2D	-2.30	1.45	1.50
14	A	1107	CLA	C3B-CAB	-2.30	1.43	1.47
14	A	1128	CLA	C4B-CHC	-2.30	1.34	1.41
14	t	503	CLA	CMD-C2D	-2.30	1.45	1.50
14	e	1112	CLA	C3B-CAB	-2.30	1.43	1.47
14	j	1302	CLA	CMD-C2D	-2.30	1.45	1.50
14	A	1237	CLA	CHC-C1C	2.30	1.40	1.35
14	e	1137	CLA	CMD-C2D	-2.30	1.45	1.50
14	G	1130	CLA	CMD-C2D	-2.30	1.45	1.50
14	a	502	CLA	CMD-C2D	-2.30	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1133	CLA	MG-ND	-2.30	2.01	2.05
14	t	511	CLA	CMD-C2D	-2.30	1.45	1.50
14	A	1122	CLA	C3B-C2B	-2.30	1.37	1.40
14	G	1022	CLA	CMC-C2C	-2.30	1.45	1.50
14	r	502	CLA	CMD-C2D	-2.30	1.45	1.50
14	G	1135	CLA	C1D-ND	2.29	1.40	1.37
14	B	1220	CLA	CMD-C2D	-2.29	1.45	1.50
14	B	1023	CLA	MG-ND	-2.29	2.01	2.05
14	f	1023	CLA	MG-ND	-2.29	2.01	2.05
14	B	1213	CLA	CMD-C2D	-2.29	1.45	1.50
14	A	1108	CLA	CMD-C2D	-2.29	1.45	1.50
14	Z	512	CLA	CMD-C2D	-2.29	1.45	1.50
14	e	1110	CLA	C3B-C2B	-2.29	1.37	1.40
14	e	1112	CLA	CMD-C2D	-2.29	1.45	1.50
14	d	502	CLA	CMD-C2D	-2.29	1.45	1.50
14	e	1117	CLA	CMD-C2D	-2.29	1.45	1.50
14	A	1125	CLA	CMD-C2D	-2.29	1.45	1.50
14	A	1136	CLA	CMC-C2C	-2.29	1.45	1.50
14	e	1135	CLA	C1D-ND	2.29	1.40	1.37
14	H	1213	CLA	CMD-C2D	-2.29	1.45	1.50
14	f	1012	CLA	CMD-C2D	-2.29	1.45	1.50
14	3	506	CLA	CMC-C2C	-2.29	1.45	1.50
14	f	1219	CLA	C3B-C2B	-2.29	1.37	1.40
14	e	1132	CLA	C3B-CAB	-2.29	1.43	1.47
14	A	1130	CLA	CMD-C2D	-2.29	1.45	1.50
14	G	1125	CLA	CMD-C2D	-2.29	1.45	1.50
14	e	1122	CLA	C3B-C2B	-2.29	1.37	1.40
14	4	503	CLA	CMD-C2D	-2.29	1.45	1.50
14	6	502	CLA	CMD-C2D	-2.29	1.45	1.50
14	H	1220	CLA	CMD-C2D	-2.29	1.45	1.50
14	B	1215	CLA	CMD-C2D	-2.29	1.46	1.50
14	B	1226	CLA	C3B-C2B	-2.29	1.37	1.40
17	V	4219	BCR	C17-C18	-2.29	1.32	1.35
14	r	508	CLA	CMC-C2C	-2.29	1.46	1.50
14	e	1133	CLA	MG-ND	-2.29	2.01	2.05
14	2	512	CLA	CMD-C2D	-2.29	1.46	1.50
14	q	502	CLA	CMD-C2D	-2.29	1.46	1.50
14	Z	506	CLA	CMC-C2C	-2.29	1.46	1.50
14	e	1120	CLA	CMC-C2C	-2.29	1.46	1.50
14	e	1022	CLA	CMC-C2C	-2.29	1.46	1.50
14	r	517	CLA	CMC-C2C	-2.29	1.46	1.50
14	H	1226	CLA	C4B-CHC	-2.28	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1110	CLA	CMD-C2D	-2.28	1.46	1.50
14	G	1128	CLA	CMC-C2C	-2.28	1.46	1.50
14	f	1220	CLA	CMD-C2D	-2.28	1.46	1.50
14	G	1108	CLA	CMD-C2D	-2.28	1.46	1.50
14	e	1105	CLA	CMD-C2D	-2.28	1.46	1.50
14	l	502	CLA	CMD-C2D	-2.28	1.46	1.50
14	Y	502	CLA	CMD-C2D	-2.28	1.46	1.50
14	t	518	CLA	CMD-C2D	-2.28	1.46	1.50
14	H	1021	CLA	MG-ND	-2.28	2.01	2.05
14	V	1502	CLA	CMC-C2C	-2.28	1.46	1.50
14	A	1105	CLA	CMD-C2D	-2.28	1.46	1.50
14	H	1206	CLA	CMC-C2C	-2.28	1.46	1.50
14	b	503	CLA	CMD-C2D	-2.28	1.46	1.50
14	G	1237	CLA	CHC-C1C	2.28	1.40	1.35
21	n	5216	SQD	O2-C2	-2.28	1.37	1.43
22	X	170	FMN	C10-N1	2.28	1.37	1.33
14	2	517	CLA	CMC-C2C	-2.28	1.46	1.50
14	A	1133	CLA	CMD-C2D	-2.28	1.46	1.50
14	U	1105	CLA	CMD-C2D	-2.28	1.46	1.50
14	r	512	CLA	CMD-C2D	-2.28	1.46	1.50
14	G	1107	CLA	C3B-CAB	-2.28	1.43	1.47
14	A	1022	CLA	CMC-C2C	-2.28	1.46	1.50
14	b	508	CLA	C3B-C2B	-2.28	1.37	1.40
14	A	1112	CLA	CMD-C2D	-2.28	1.46	1.50
14	G	1110	CLA	CMC-C2C	-2.28	1.46	1.50
14	n	1502	CLA	CMC-C2C	-2.27	1.46	1.50
14	A	1137	CLA	CMD-C2D	-2.27	1.46	1.50
14	5	502	CLA	CMD-C2D	-2.27	1.46	1.50
14	G	1136	CLA	CMC-C2C	-2.27	1.46	1.50
14	q	503	CLA	CMD-C2D	-2.27	1.46	1.50
14	G	1122	CLA	C3B-C2B	-2.27	1.37	1.40
14	f	1012	CLA	CMC-C2C	-2.27	1.46	1.50
14	A	1115	CLA	CMD-C2D	-2.27	1.46	1.50
14	e	1115	CLA	CMD-C2D	-2.27	1.46	1.50
14	Z	519	CLA	C3B-C2B	-2.27	1.37	1.40
14	G	1130	CLA	MG-ND	-2.27	2.01	2.05
14	e	1104	CLA	CMC-C2C	-2.27	1.46	1.50
14	A	1013	CLA	MG-ND	-2.27	2.01	2.05
14	e	1125	CLA	CMD-C2D	-2.27	1.46	1.50
14	n	1503	CLA	CMD-C2D	-2.27	1.46	1.50
14	G	1112	CLA	CMD-C2D	-2.27	1.46	1.50
14	G	1137	CLA	CMD-C2D	-2.27	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	3	509	CLA	CMC-C2C	-2.27	1.46	1.50
14	e	1237	CLA	CHC-C1C	2.27	1.40	1.35
14	A	1104	CLA	CMC-C2C	-2.27	1.46	1.50
14	1	503	CLA	CMD-C2D	-2.27	1.46	1.50
22	P	170	FMN	C10-N1	2.27	1.37	1.33
14	B	1222	CLA	CMC-C2C	-2.27	1.46	1.50
14	G	1129	CLA	CMC-C2C	-2.27	1.46	1.50
22	p	170	FMN	C10-N1	2.27	1.37	1.33
14	A	1110	CLA	CMC-C2C	-2.27	1.46	1.50
14	A	1123	CLA	MG-ND	-2.27	2.01	2.05
17	e	4003	BCR	C30-C25	-2.27	1.50	1.53
14	f	1209	CLA	CMD-C2D	-2.27	1.46	1.50
14	r	519	CLA	C3B-C2B	-2.27	1.37	1.40
14	B	1012	CLA	CMD-C2D	-2.27	1.46	1.50
17	H	4017	BCR	C21-C22	-2.27	1.32	1.35
14	e	1136	CLA	CMC-C2C	-2.27	1.46	1.50
14	A	1801	CLA	CMC-C2C	-2.27	1.46	1.50
14	e	1110	CLA	CMC-C2C	-2.27	1.46	1.50
14	H	1222	CLA	CMC-C2C	-2.26	1.46	1.50
14	a	506	CLA	CMC-C2C	-2.26	1.46	1.50
14	G	1104	CLA	CMD-C2D	-2.26	1.46	1.50
14	K	1105	CLA	CMD-C2D	-2.26	1.46	1.50
14	d	518	CLA	CMD-C2D	-2.26	1.46	1.50
14	q	512	CLA	CMD-C2D	-2.26	1.46	1.50
14	A	1104	CLA	CMD-C2D	-2.26	1.46	1.50
14	Z	508	CLA	CMC-C2C	-2.26	1.46	1.50
14	q	505	CLA	CMD-C2D	-2.26	1.46	1.50
14	e	1801	CLA	CMC-C2C	-2.26	1.46	1.50
21	V	5216	SQD	O2-C2	-2.26	1.37	1.43
14	F	1302	CLA	CMD-C2D	-2.26	1.46	1.50
14	L	1502	CLA	CMC-C2C	-2.26	1.46	1.50
14	4	518	CLA	CMD-C2D	-2.26	1.46	1.50
14	G	1013	CLA	MG-ND	-2.26	2.01	2.05
14	A	1116	CLA	CMC-C2C	-2.26	1.46	1.50
14	q	516	CLA	MG-ND	-2.26	2.01	2.05
14	B	1206	CLA	C3B-C2B	-2.26	1.37	1.40
14	e	1130	CLA	CMD-C2D	-2.26	1.46	1.50
14	s	509	CLA	CMC-C2C	-2.26	1.46	1.50
14	A	1129	CLA	CMC-C2C	-2.26	1.46	1.50
21	L	5216	SQD	O2-C2	-2.26	1.37	1.43
14	A	1121	CLA	C3B-C2B	-2.26	1.37	1.40
14	v	519	CLA	C3B-C2B	-2.26	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1133	CLA	CMD-C2D	-2.26	1.46	1.50
14	e	1123	CLA	MG-ND	-2.26	2.01	2.05
14	f	1222	CLA	CMC-C2C	-2.26	1.46	1.50
14	m	1105	CLA	CMD-C2D	-2.26	1.46	1.50
14	G	1103	CLA	MG-ND	-2.26	2.01	2.05
14	Y	512	CLA	CMD-C2D	-2.26	1.46	1.50
14	e	1116	CLA	CMC-C2C	-2.26	1.46	1.50
20	H	5002	LMG	O7-C8	-2.26	1.41	1.46
14	A	1118	CLA	MG-ND	-2.26	2.01	2.05
14	Y	511	CLA	CMD-C2D	-2.26	1.46	1.50
14	b	518	CLA	CMD-C2D	-2.26	1.46	1.50
14	f	1227	CLA	CMD-C2D	-2.26	1.46	1.50
14	G	1115	CLA	CMD-C2D	-2.26	1.46	1.50
14	v	502	CLA	CMD-C2D	-2.25	1.46	1.50
14	e	1133	CLA	C3B-CAB	-2.25	1.43	1.47
17	n	4219	BCR	C17-C18	-2.25	1.32	1.35
14	f	1206	CLA	C4B-CHC	-2.25	1.34	1.41
20	B	5002	LMG	O7-C8	-2.25	1.41	1.46
14	e	1118	CLA	MG-ND	-2.25	2.01	2.05
14	R	1302	CLA	CMD-C2D	-2.25	1.46	1.50
14	e	1133	CLA	CMD-C2D	-2.25	1.46	1.50
20	f	5002	LMG	O7-C8	-2.25	1.41	1.46
14	2	508	CLA	CMC-C2C	-2.25	1.46	1.50
14	6	519	CLA	C3B-C2B	-2.25	1.37	1.40
14	a	509	CLA	CMC-C2C	-2.25	1.46	1.50
17	L	4219	BCR	C17-C18	-2.25	1.32	1.35
14	G	1801	CLA	CMC-C2C	-2.25	1.46	1.50
14	H	1012	CLA	CMD-C2D	-2.25	1.46	1.50
14	H	1209	CLA	CMD-C2D	-2.25	1.46	1.50
14	5	508	CLA	CMC-C2C	-2.25	1.46	1.50
14	B	1206	CLA	C4B-CHC	-2.25	1.34	1.41
14	L	1503	CLA	CMD-C2D	-2.25	1.46	1.50
14	2	506	CLA	CMC-C2C	-2.25	1.46	1.50
14	c	508	CLA	CMC-C2C	-2.25	1.46	1.50
14	1	512	CLA	CMD-C2D	-2.25	1.46	1.50
14	q	502	CLA	C3B-C2B	-2.25	1.37	1.40
14	B	1227	CLA	CMD-C2D	-2.25	1.46	1.50
14	f	1217	CLA	CMD-C2D	-2.25	1.46	1.50
14	2	519	CLA	C3B-C2B	-2.25	1.37	1.40
14	d	503	CLA	CMD-C2D	-2.25	1.46	1.50
14	B	1217	CLA	CMD-C2D	-2.25	1.46	1.50
14	A	1138	CLA	CMC-C2C	-2.25	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	2	503	CLA	CMD-C2D	-2.25	1.46	1.50
14	e	1103	CLA	MG-ND	-2.25	2.01	2.05
14	Z	503	CLA	CMD-C2D	-2.25	1.46	1.50
14	c	502	CLA	CMD-C2D	-2.25	1.46	1.50
14	l	511	CLA	CMD-C2D	-2.25	1.46	1.50
14	H	1206	CLA	C3B-C2B	-2.25	1.37	1.40
14	A	1117	CLA	CMD-C2D	-2.25	1.46	1.50
14	r	503	CLA	CMD-C2D	-2.25	1.46	1.50
14	A	1124	CLA	MG-ND	-2.25	2.01	2.05
14	G	1133	CLA	C3B-CAB	-2.24	1.43	1.47
14	n	1501	CLA	CMD-C2D	-2.24	1.46	1.50
14	s	502	CLA	C3B-C2B	-2.24	1.37	1.40
14	V	1503	CLA	CMD-C2D	-2.24	1.46	1.50
14	H	1206	CLA	C4B-CHC	-2.24	1.34	1.41
14	G	1124	CLA	MG-ND	-2.24	2.01	2.05
14	2	512	CLA	C3B-C2B	-2.24	1.37	1.40
17	B	4017	BCR	C21-C22	-2.24	1.32	1.35
17	f	4017	BCR	C21-C22	-2.24	1.32	1.35
14	Y	516	CLA	MG-ND	-2.24	2.01	2.05
14	B	1023	CLA	CMD-C2D	-2.24	1.46	1.50
14	e	1104	CLA	CMD-C2D	-2.24	1.46	1.50
14	G	1116	CLA	CMC-C2C	-2.24	1.46	1.50
14	e	1138	CLA	CMC-C2C	-2.24	1.46	1.50
14	r	512	CLA	C3B-C2B	-2.24	1.37	1.40
14	B	1012	CLA	CMC-C2C	-2.24	1.46	1.50
14	f	1023	CLA	CMD-C2D	-2.24	1.46	1.50
14	G	1114	CLA	CMD-C2D	-2.24	1.46	1.50
14	B	1203	CLA	CMD-C2D	-2.24	1.46	1.50
14	V	1502	CLA	CMD-C2D	-2.24	1.46	1.50
14	6	518	CLA	CMD-C2D	-2.24	1.46	1.50
14	G	1104	CLA	CMC-C2C	-2.24	1.46	1.50
14	v	517	CLA	CMD-C2D	-2.24	1.46	1.50
14	c	502	CLA	C3B-C2B	-2.24	1.37	1.40
14	B	1209	CLA	CMD-C2D	-2.24	1.46	1.50
14	l	1302	CLA	C3B-C2B	-2.24	1.37	1.40
14	G	1138	CLA	CMC-C2C	-2.24	1.46	1.50
14	H	1217	CLA	CMD-C2D	-2.24	1.46	1.50
14	6	517	CLA	CMD-C2D	-2.24	1.46	1.50
14	G	1117	CLA	CMD-C2D	-2.24	1.46	1.50
14	a	509	CLA	CMD-C2D	-2.24	1.46	1.50
14	u	508	CLA	CMC-C2C	-2.24	1.46	1.50
14	A	1103	CLA	MG-ND	-2.24	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1219	CLA	C3B-C2B	-2.24	1.37	1.40
14	1	516	CLA	MG-ND	-2.23	2.01	2.05
21	H	1852	SQD	O3-C3	-2.23	1.37	1.43
14	1	519	CLA	C3B-C2B	-2.23	1.37	1.40
21	2	822	SQD	O2-C2	-2.23	1.37	1.43
14	H	1210	CLA	CMD-C2D	-2.23	1.46	1.50
17	n	4219	BCR	C1-C6	-2.23	1.50	1.53
14	r	506	CLA	CMC-C2C	-2.23	1.46	1.50
18	A	5005	LHG	O7-C5	-2.23	1.41	1.46
18	G	5005	LHG	O7-C5	-2.23	1.41	1.46
14	f	1234	CLA	CMD-C2D	-2.23	1.46	1.50
14	m	1401	CLA	CMC-C2C	-2.23	1.46	1.50
14	f	1021	CLA	C3B-CAB	-2.23	1.43	1.47
14	G	1106	CLA	CMC-C2C	-2.23	1.46	1.50
18	e	5005	LHG	O7-C5	-2.23	1.41	1.46
14	e	1122	CLA	C3B-CAB	-2.23	1.43	1.47
14	J	1302	CLA	C3B-C2B	-2.23	1.37	1.40
14	A	1114	CLA	CMD-C2D	-2.23	1.46	1.50
14	1	505	CLA	CMD-C2D	-2.23	1.46	1.50
14	e	1110	CLA	CMD-C2D	-2.23	1.46	1.50
21	B	1852	SQD	O3-C3	-2.23	1.37	1.43
14	R	1301	CLA	CMD-C2D	-2.23	1.46	1.50
14	f	1212	CLA	CMD-C2D	-2.23	1.46	1.50
14	f	1235	CLA	CMC-C2C	-2.23	1.46	1.50
14	1	502	CLA	C3B-C2B	-2.23	1.37	1.40
14	3	502	CLA	C3B-C2B	-2.23	1.37	1.40
14	B	1204	CLA	CMD-C2D	-2.23	1.46	1.50
14	d	519	CLA	C3B-C2B	-2.23	1.37	1.40
14	H	1203	CLA	CMD-C2D	-2.23	1.46	1.50
14	n	1502	CLA	CMD-C2D	-2.23	1.46	1.50
14	G	1125	CLA	CMC-C2C	-2.23	1.46	1.50
14	f	1231	CLA	CMD-C2D	-2.23	1.46	1.50
14	6	503	CLA	CMD-C2D	-2.23	1.46	1.50
14	a	519	CLA	C3B-C2B	-2.23	1.37	1.40
14	B	1234	CLA	CMD-C2D	-2.23	1.46	1.50
14	F	1301	CLA	CMD-C2D	-2.23	1.46	1.50
14	1	506	CLA	CMC-C2C	-2.23	1.46	1.50
14	H	1221	CLA	CMC-C2C	-2.23	1.46	1.50
14	v	518	CLA	CMD-C2D	-2.23	1.46	1.50
14	A	1106	CLA	CMC-C2C	-2.23	1.46	1.50
14	f	1203	CLA	CMD-C2D	-2.23	1.46	1.50
14	A	1133	CLA	C3B-CAB	-2.22	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1021	CLA	C3B-CAB	-2.22	1.43	1.47
14	e	1124	CLA	MG-ND	-2.22	2.01	2.05
14	A	1122	CLA	C3B-CAB	-2.22	1.43	1.47
14	Y	505	CLA	CMD-C2D	-2.22	1.46	1.50
14	d	517	CLA	CMD-C2D	-2.22	1.46	1.50
14	e	1129	CLA	CMC-C2C	-2.22	1.46	1.50
14	f	1213	CLA	CMC-C2C	-2.22	1.46	1.50
14	v	506	CLA	CMC-C2C	-2.22	1.46	1.50
14	A	1125	CLA	C3B-C2B	-2.22	1.37	1.40
14	Y	506	CLA	CMC-C2C	-2.22	1.46	1.50
14	e	1013	CLA	MG-ND	-2.22	2.01	2.05
14	Y	502	CLA	C3B-C2B	-2.22	1.37	1.40
14	l	507	CLA	CMD-C2D	-2.22	1.46	1.50
14	q	506	CLA	CMC-C2C	-2.22	1.46	1.50
14	H	1012	CLA	CMC-C2C	-2.22	1.46	1.50
14	e	1114	CLA	CMD-C2D	-2.22	1.46	1.50
21	r	822	SQD	O2-C2	-2.22	1.37	1.43
21	u	822	SQD	O2-C2	-2.22	1.37	1.43
14	H	1021	CLA	C3B-CAB	-2.22	1.43	1.47
21	Z	822	SQD	O2-C2	-2.22	1.37	1.43
14	a	502	CLA	C3B-C2B	-2.22	1.37	1.40
14	H	1234	CLA	CMD-C2D	-2.22	1.46	1.50
14	Y	507	CLA	CMD-C2D	-2.22	1.46	1.50
14	u	517	CLA	CMC-C2C	-2.22	1.46	1.50
14	j	1301	CLA	CMD-C2D	-2.22	1.46	1.50
14	H	1206	CLA	MG-ND	-2.22	2.01	2.05
21	5	822	SQD	O2-C2	-2.22	1.37	1.43
14	d	519	CLA	C3B-CAB	-2.22	1.43	1.47
14	t	508	CLA	CMC-C2C	-2.22	1.46	1.50
14	A	1125	CLA	CMC-C2C	-2.22	1.46	1.50
14	B	1235	CLA	CMC-C2C	-2.22	1.46	1.50
14	K	1401	CLA	CMC-C2C	-2.22	1.46	1.50
14	f	1211	CLA	CMC-C2C	-2.22	1.46	1.50
14	G	1237	CLA	C4B-CHC	-2.22	1.34	1.41
14	L	1502	CLA	CMD-C2D	-2.22	1.46	1.50
14	m	1103	CLA	C3B-C2B	-2.21	1.37	1.40
14	e	1132	CLA	MG-ND	-2.21	2.01	2.05
14	B	1219	CLA	C3B-C2B	-2.21	1.37	1.40
14	T	1302	CLA	C3B-C2B	-2.21	1.37	1.40
14	H	1023	CLA	CMD-C2D	-2.21	1.46	1.50
14	H	1223	CLA	CMD-C2D	-2.21	1.46	1.50
14	H	1224	CLA	CMD-C2D	-2.21	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1120	CLA	CMD-C2D	-2.21	1.46	1.50
14	e	1125	CLA	CMC-C2C	-2.21	1.46	1.50
14	B	1207	CLA	C3B-CAB	-2.21	1.43	1.47
14	L	1501	CLA	CMD-C2D	-2.21	1.46	1.50
14	G	1102	CLA	CMC-C2C	-2.21	1.46	1.50
14	G	1120	CLA	CMD-C2D	-2.21	1.46	1.50
14	B	1225	CLA	C3B-C2B	-2.21	1.37	1.40
17	V	4219	BCR	C1-C6	-2.21	1.50	1.53
14	2	509	CLA	CMD-C2D	-2.21	1.46	1.50
14	H	1227	CLA	CMD-C2D	-2.21	1.46	1.50
14	A	1132	CLA	MG-ND	-2.21	2.01	2.05
14	f	1216	CLA	MG-ND	-2.21	2.01	2.05
14	H	1231	CLA	CMD-C2D	-2.21	1.46	1.50
14	U	1103	CLA	C3B-C2B	-2.21	1.37	1.40
14	f	1206	CLA	C3B-C2B	-2.21	1.37	1.40
14	u	502	CLA	C3B-C2B	-2.21	1.37	1.40
14	e	1102	CLA	CMD-C2D	-2.21	1.46	1.50
14	G	1118	CLA	MG-ND	-2.21	2.01	2.05
14	G	1132	CLA	MG-ND	-2.21	2.01	2.05
17	n	4219	BCR	C14-C13	-2.21	1.32	1.35
14	B	1231	CLA	CMD-C2D	-2.21	1.46	1.50
14	B	1202	CLA	CMC-C2C	-2.21	1.46	1.50
14	3	509	CLA	CMD-C2D	-2.21	1.46	1.50
14	Y	508	CLA	CMC-C2C	-2.21	1.46	1.50
14	v	501	CLA	CMC-C2C	-2.21	1.46	1.50
14	5	517	CLA	CMC-C2C	-2.21	1.46	1.50
14	H	1202	CLA	CMC-C2C	-2.21	1.46	1.50
14	G	1122	CLA	C3B-CAB	-2.21	1.43	1.47
14	H	1212	CLA	CMD-C2D	-2.21	1.46	1.50
21	f	1852	SQD	O3-C3	-2.21	1.37	1.43
14	H	1214	CLA	C3B-CAB	-2.21	1.43	1.47
21	d	822	SQD	O2-C2	-2.21	1.37	1.43
14	5	502	CLA	C3B-C2B	-2.21	1.37	1.40
14	1	508	CLA	CMC-C2C	-2.21	1.46	1.50
14	f	1202	CLA	CMC-C2C	-2.21	1.46	1.50
14	6	519	CLA	C3B-CAB	-2.20	1.43	1.47
14	a	503	CLA	CMD-C2D	-2.20	1.46	1.50
14	q	507	CLA	CMD-C2D	-2.20	1.46	1.50
14	e	1140	CLA	C3B-C2B	-2.20	1.37	1.40
14	A	1237	CLA	C4B-CHC	-2.20	1.34	1.41
14	f	1207	CLA	C3B-CAB	-2.20	1.43	1.47
14	v	503	CLA	CMD-C2D	-2.20	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1102	CLA	CMC-C2C	-2.20	1.46	1.50
14	H	1220	CLA	C3B-C2B	-2.20	1.37	1.40
14	H	1235	CLA	CMC-C2C	-2.20	1.46	1.50
14	v	519	CLA	C3B-CAB	-2.20	1.43	1.47
14	Z	509	CLA	CMD-C2D	-2.20	1.46	1.50
14	f	1204	CLA	CMD-C2D	-2.20	1.46	1.50
14	H	1216	CLA	MG-ND	-2.20	2.01	2.05
17	A	4008	BCR	C10-C9	-2.20	1.32	1.35
14	3	508	CLA	C3B-C2B	-2.20	1.37	1.40
14	a	512	CLA	CMD-C2D	-2.20	1.46	1.50
14	d	501	CLA	CMC-C2C	-2.20	1.46	1.50
21	c	822	SQD	O2-C2	-2.20	1.37	1.43
18	A	5002	LHG	O7-C5	-2.20	1.41	1.46
14	B	1216	CLA	MG-ND	-2.20	2.01	2.05
14	G	1111	CLA	C3B-CAB	-2.20	1.43	1.47
14	f	1214	CLA	C3B-CAB	-2.20	1.43	1.47
14	4	508	CLA	CMC-C2C	-2.20	1.46	1.50
14	H	1213	CLA	CMC-C2C	-2.20	1.46	1.50
14	U	1401	CLA	CMC-C2C	-2.20	1.46	1.50
14	U	1103	CLA	CMC-C2C	-2.20	1.46	1.50
14	A	1120	CLA	CMD-C2D	-2.20	1.46	1.50
14	B	1212	CLA	CMD-C2D	-2.20	1.46	1.50
14	q	508	CLA	CMC-C2C	-2.20	1.46	1.50
14	B	1221	CLA	CMC-C2C	-2.20	1.46	1.50
14	f	1225	CLA	C3B-C2B	-2.20	1.37	1.40
14	H	1218	CLA	CMD-C2D	-2.20	1.46	1.50
14	B	1215	CLA	CAC-C3C	-2.20	1.45	1.51
14	G	1135	CLA	CMC-C2C	-2.20	1.46	1.50
14	e	1117	CLA	C3B-CAB	-2.20	1.43	1.47
14	4	512	CLA	CMD-C2D	-2.20	1.46	1.50
14	V	1501	CLA	CMD-C2D	-2.20	1.46	1.50
21	6	822	SQD	O2-C2	-2.20	1.37	1.43
14	3	518	CLA	CMD-C2D	-2.20	1.46	1.50
14	5	509	CLA	CMD-C2D	-2.20	1.46	1.50
14	B	1210	CLA	CMD-C2D	-2.19	1.46	1.50
14	B	1223	CLA	CMD-C2D	-2.19	1.46	1.50
14	3	503	CLA	CMD-C2D	-2.19	1.46	1.50
14	G	1102	CLA	CMD-C2D	-2.19	1.46	1.50
14	b	512	CLA	CMD-C2D	-2.19	1.46	1.50
14	e	1237	CLA	C4B-CHC	-2.19	1.34	1.41
14	f	1215	CLA	CAC-C3C	-2.19	1.45	1.51
14	A	1135	CLA	CMC-C2C	-2.19	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1135	CLA	CMC-C2C	-2.19	1.46	1.50
14	f	1210	CLA	CMD-C2D	-2.19	1.46	1.50
14	B	1206	CLA	MG-ND	-2.19	2.01	2.05
14	G	1125	CLA	C3B-C2B	-2.19	1.37	1.40
14	H	1239	CLA	C4B-CHC	-2.19	1.34	1.41
14	Y	519	CLA	C3B-C2B	-2.19	1.37	1.40
14	A	1127	CLA	MG-ND	-2.19	2.01	2.05
17	f	4010	BCR	C17-C18	-2.19	1.32	1.35
14	s	504	CLA	CMD-C2D	-2.19	1.46	1.50
18	e	5002	LHG	O7-C5	-2.19	1.41	1.46
21	v	822	SQD	O2-C2	-2.19	1.37	1.43
14	B	1224	CLA	CMD-C2D	-2.19	1.46	1.50
14	a	504	CLA	CMD-C2D	-2.19	1.46	1.50
14	q	511	CLA	CMD-C2D	-2.19	1.46	1.50
14	f	1206	CLA	MG-ND	-2.19	2.01	2.05
17	S	4018	BCR	C1-C6	-2.19	1.50	1.53
14	f	1220	CLA	C3B-CAB	-2.19	1.43	1.47
14	B	1213	CLA	CMC-C2C	-2.19	1.46	1.50
14	3	512	CLA	CMD-C2D	-2.19	1.46	1.50
14	s	512	CLA	CMD-C2D	-2.19	1.46	1.50
14	b	508	CLA	CMC-C2C	-2.19	1.46	1.50
14	H	1225	CLA	C3B-C2B	-2.19	1.37	1.40
14	q	519	CLA	C3B-C2B	-2.19	1.37	1.40
14	K	1103	CLA	CMC-C2C	-2.19	1.46	1.50
14	l	501	CLA	CMC-C2C	-2.19	1.46	1.50
14	B	1235	CLA	C3B-C2B	-2.19	1.37	1.40
14	e	1125	CLA	C3B-C2B	-2.19	1.37	1.40
14	H	1220	CLA	C3B-CAB	-2.19	1.43	1.47
14	H	1215	CLA	CMC-C2C	-2.19	1.46	1.50
14	G	1117	CLA	C3B-CAB	-2.19	1.43	1.47
14	H	1204	CLA	CMD-C2D	-2.19	1.46	1.50
14	d	506	CLA	CMC-C2C	-2.19	1.46	1.50
14	e	1106	CLA	CMC-C2C	-2.19	1.46	1.50
14	H	1228	CLA	CMD-C2D	-2.19	1.46	1.50
14	c	509	CLA	CMD-C2D	-2.19	1.46	1.50
14	B	1214	CLA	C3B-CAB	-2.19	1.43	1.47
14	u	512	CLA	CMD-C2D	-2.19	1.46	1.50
21	a	822	SQD	O2-C2	-2.19	1.37	1.43
17	L	4219	BCR	C1-C6	-2.19	1.50	1.53
14	H	1207	CLA	C3B-CAB	-2.19	1.43	1.47
14	B	1228	CLA	CMD-C2D	-2.19	1.46	1.50
14	6	506	CLA	CMC-C2C	-2.19	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1220	CLA	C3B-C2B	-2.19	1.37	1.40
14	K	1103	CLA	C3B-C2B	-2.19	1.37	1.40
14	c	512	CLA	CMD-C2D	-2.19	1.46	1.50
14	B	1239	CLA	C4B-CHC	-2.19	1.34	1.41
14	6	501	CLA	CMC-C2C	-2.19	1.46	1.50
14	f	1223	CLA	CMD-C2D	-2.19	1.46	1.50
14	A	1117	CLA	C3B-CAB	-2.19	1.43	1.47
14	H	1215	CLA	C3B-C2B	-2.19	1.37	1.40
14	s	509	CLA	CMD-C2D	-2.19	1.46	1.50
14	e	1116	CLA	CMD-C2D	-2.19	1.46	1.50
14	A	1111	CLA	C3B-CAB	-2.18	1.43	1.47
14	Z	512	CLA	MG-ND	-2.18	2.01	2.05
17	B	4010	BCR	C17-C18	-2.18	1.32	1.35
14	r	512	CLA	MG-ND	-2.18	2.01	2.05
14	5	512	CLA	CMD-C2D	-2.18	1.46	1.50
14	f	1221	CLA	CMC-C2C	-2.18	1.46	1.50
14	R	1301	CLA	MG-ND	-2.18	2.01	2.05
14	A	1102	CLA	CMD-C2D	-2.18	1.46	1.50
14	c	517	CLA	CMC-C2C	-2.18	1.46	1.50
14	H	1218	CLA	C3B-C2B	-2.18	1.37	1.40
14	v	512	CLA	CMD-C2D	-2.18	1.46	1.50
14	f	1218	CLA	CMD-C2D	-2.18	1.46	1.50
14	G	1140	CLA	C3B-C2B	-2.18	1.37	1.40
14	s	519	CLA	C3B-C2B	-2.18	1.37	1.40
14	A	1102	CLA	CMC-C2C	-2.18	1.46	1.50
14	a	508	CLA	CMC-C2C	-2.18	1.46	1.50
14	B	1216	CLA	C3B-CAB	-2.18	1.43	1.47
14	f	1238	CLA	CMC-C2C	-2.18	1.46	1.50
14	r	509	CLA	CMD-C2D	-2.18	1.46	1.50
14	u	506	CLA	CMC-C2C	-2.18	1.46	1.50
14	2	512	CLA	MG-ND	-2.18	2.01	2.05
17	H	4010	BCR	C17-C18	-2.18	1.32	1.35
14	2	507	CLA	CMD-C2D	-2.18	1.46	1.50
14	e	1134	CLA	CMD-C2D	-2.18	1.46	1.50
21	t	822	SQD	O3-C3	-2.18	1.37	1.43
14	B	1214	CLA	CMD-C2D	-2.18	1.46	1.50
14	H	1208	CLA	CMD-C2D	-2.18	1.46	1.50
14	3	512	CLA	MG-ND	-2.18	2.01	2.05
14	e	1127	CLA	MG-ND	-2.18	2.01	2.05
14	A	1140	CLA	C3B-C2B	-2.18	1.37	1.40
14	Y	501	CLA	CMC-C2C	-2.18	1.46	1.50
21	q	822	SQD	O2-C2	-2.18	1.37	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	1301	CLA	MG-ND	-2.18	2.01	2.05
14	e	1138	CLA	C3B-CAB	-2.18	1.43	1.47
14	f	1208	CLA	CMD-C2D	-2.18	1.46	1.50
14	f	1236	CLA	CMC-C2C	-2.18	1.46	1.50
14	s	503	CLA	CMD-C2D	-2.18	1.46	1.50
14	m	1103	CLA	CMC-C2C	-2.18	1.46	1.50
14	B	1218	CLA	CMD-C2D	-2.18	1.46	1.50
14	G	1131	CLA	MG-ND	-2.18	2.01	2.05
17	G	4008	BCR	C10-C9	-2.18	1.32	1.35
14	s	518	CLA	CMD-C2D	-2.18	1.46	1.50
14	e	1124	CLA	C3B-C2B	-2.18	1.37	1.40
14	a	512	CLA	MG-ND	-2.18	2.01	2.05
14	s	512	CLA	MG-ND	-2.18	2.01	2.05
14	A	1116	CLA	CMD-C2D	-2.18	1.46	1.50
14	e	1105	CLA	CMC-C2C	-2.17	1.46	1.50
14	A	1118	CLA	CMC-C2C	-2.17	1.46	1.50
14	G	1116	CLA	CMD-C2D	-2.17	1.46	1.50
14	B	1211	CLA	CMC-C2C	-2.17	1.46	1.50
14	A	1106	CLA	CMD-C2D	-2.17	1.46	1.50
14	B	1220	CLA	C3B-CAB	-2.17	1.43	1.47
14	c	508	CLA	C3B-C2B	-2.17	1.37	1.40
14	A	1138	CLA	C3B-CAB	-2.17	1.43	1.47
14	3	508	CLA	CMC-C2C	-2.17	1.46	1.50
14	H	1224	CLA	CMC-C2C	-2.17	1.46	1.50
14	f	1224	CLA	CMD-C2D	-2.17	1.46	1.50
14	B	1208	CLA	CMD-C2D	-2.17	1.46	1.50
14	H	1236	CLA	CMC-C2C	-2.17	1.46	1.50
14	c	503	CLA	CMD-C2D	-2.17	1.46	1.50
14	q	501	CLA	CMC-C2C	-2.17	1.46	1.50
14	f	1239	CLA	C4B-CHC	-2.17	1.35	1.41
14	A	1133	CLA	CMC-C2C	-2.17	1.46	1.50
14	B	1236	CLA	CMC-C2C	-2.17	1.46	1.50
17	k	4018	BCR	C30-C25	-2.17	1.50	1.53
14	f	1220	CLA	C3B-C2B	-2.17	1.37	1.40
14	B	1230	CLA	MG-ND	-2.17	2.01	2.05
14	H	1215	CLA	CAC-C3C	-2.17	1.45	1.51
14	H	1222	CLA	CMD-C2D	-2.17	1.46	1.50
14	s	508	CLA	C3B-C2B	-2.17	1.37	1.40
14	H	1236	CLA	CMD-C2D	-2.17	1.46	1.50
14	5	513	CLA	C3B-C2B	-2.17	1.37	1.40
14	A	1134	CLA	CMD-C2D	-2.17	1.46	1.50
17	L	4219	BCR	C14-C13	-2.17	1.32	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1236	CLA	CMD-C2D	-2.17	1.46	1.50
17	e	4008	BCR	C10-C9	-2.17	1.32	1.35
14	B	1222	CLA	CMD-C2D	-2.17	1.46	1.50
17	I	4018	BCR	C1-C6	-2.17	1.50	1.53
17	I	4018	BCR	C30-C25	-2.16	1.50	1.53
14	A	1122	CLA	CMD-C2D	-2.16	1.46	1.50
18	G	5002	LHG	O7-C5	-2.16	1.41	1.46
14	e	1122	CLA	CMD-C2D	-2.16	1.46	1.50
14	G	1118	CLA	CMC-C2C	-2.16	1.46	1.50
14	Z	513	CLA	CMD-C2D	-2.16	1.46	1.50
21	3	822	SQD	O2-C2	-2.16	1.37	1.43
21	4	822	SQD	O3-C3	-2.16	1.37	1.43
14	G	1122	CLA	CMD-C2D	-2.16	1.46	1.50
14	e	1106	CLA	CMD-C2D	-2.16	1.46	1.50
21	b	822	SQD	O3-C3	-2.16	1.37	1.43
14	3	504	CLA	CMD-C2D	-2.16	1.46	1.50
14	r	507	CLA	CMD-C2D	-2.16	1.46	1.50
14	f	1235	CLA	C3B-C2B	-2.16	1.37	1.40
14	f	1222	CLA	CMD-C2D	-2.16	1.46	1.50
14	l	1303	CLA	CMD-C2D	-2.16	1.46	1.50
14	G	1138	CLA	C3B-CAB	-2.16	1.43	1.47
14	f	1216	CLA	C3B-CAB	-2.16	1.43	1.47
21	d	822	SQD	O4-C4	-2.16	1.37	1.43
14	G	1127	CLA	CMC-C2C	-2.16	1.46	1.50
14	B	1224	CLA	CMC-C2C	-2.16	1.46	1.50
14	B	1215	CLA	C3B-C2B	-2.16	1.37	1.40
14	B	1215	CLA	CMC-C2C	-2.16	1.46	1.50
14	6	512	CLA	CMD-C2D	-2.16	1.46	1.50
14	e	1118	CLA	CMC-C2C	-2.16	1.46	1.50
14	H	1203	CLA	MG-ND	-2.16	2.01	2.05
14	f	1230	CLA	MG-ND	-2.16	2.01	2.05
14	c	506	CLA	CMC-C2C	-2.16	1.46	1.50
14	e	1124	CLA	CMC-C2C	-2.16	1.46	1.50
14	G	1124	CLA	C3B-C2B	-2.16	1.37	1.40
21	1	822	SQD	O2-C2	-2.16	1.37	1.43
14	B	1238	CLA	CMC-C2C	-2.16	1.46	1.50
14	G	1106	CLA	CMD-C2D	-2.16	1.46	1.50
14	B	1203	CLA	MG-ND	-2.16	2.01	2.05
14	e	1127	CLA	C3B-CAB	-2.16	1.43	1.47
14	3	519	CLA	C3B-C2B	-2.16	1.37	1.40
14	d	507	CLA	CMD-C2D	-2.16	1.46	1.50
14	a	508	CLA	C3B-C2B	-2.16	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	1232	CLA	CMD-C2D	-2.16	1.46	1.50
14	5	506	CLA	CMC-C2C	-2.16	1.46	1.50
14	f	1214	CLA	CMD-C2D	-2.16	1.46	1.50
14	a	501	CLA	CMC-C2C	-2.16	1.46	1.50
14	H	1235	CLA	C3B-C2B	-2.16	1.37	1.40
14	u	513	CLA	CMD-C2D	-2.16	1.46	1.50
14	A	1011	CLA	CMC-C2C	-2.16	1.46	1.50
14	A	1131	CLA	MG-ND	-2.16	2.01	2.05
14	f	1203	CLA	MG-ND	-2.16	2.01	2.05
14	b	519	CLA	CMC-C2C	-2.16	1.46	1.50
14	e	1011	CLA	CMC-C2C	-2.16	1.46	1.50
14	e	1127	CLA	CMC-C2C	-2.16	1.46	1.50
14	f	1236	CLA	CMD-C2D	-2.16	1.46	1.50
14	F	1301	CLA	MG-ND	-2.15	2.01	2.05
14	u	509	CLA	CMD-C2D	-2.15	1.46	1.50
21	r	822	SQD	O4-C4	-2.15	1.37	1.43
14	A	1124	CLA	CMC-C2C	-2.15	1.46	1.50
14	j	1302	CLA	C3B-CAB	-2.15	1.43	1.47
14	5	503	CLA	CMD-C2D	-2.15	1.46	1.50
14	6	507	CLA	CMD-C2D	-2.15	1.46	1.50
14	e	1137	CLA	CMC-C2C	-2.15	1.46	1.50
14	B	1218	CLA	C3B-C2B	-2.15	1.37	1.40
14	V	1501	CLA	C3B-CAB	-2.15	1.43	1.47
14	G	1133	CLA	CMC-C2C	-2.15	1.46	1.50
14	r	518	CLA	CMD-C2D	-2.15	1.46	1.50
14	s	517	CLA	CMC-C2C	-2.15	1.46	1.50
14	e	1111	CLA	C3B-CAB	-2.15	1.43	1.47
14	2	519	CLA	CMC-C2C	-2.15	1.46	1.50
14	f	1228	CLA	CMD-C2D	-2.15	1.46	1.50
14	r	519	CLA	CMC-C2C	-2.15	1.46	1.50
14	s	511	CLA	CMD-C2D	-2.15	1.46	1.50
14	e	1125	CLA	MG-ND	-2.15	2.01	2.05
21	Y	822	SQD	O2-C2	-2.15	1.37	1.43
14	5	513	CLA	CMD-C2D	-2.15	1.46	1.50
14	q	504	CLA	C3B-C2B	-2.15	1.37	1.40
14	r	508	CLA	C3B-C2B	-2.15	1.37	1.40
14	G	1126	CLA	MG-ND	-2.15	2.01	2.05
17	A	4002	BCR	C30-C25	-2.15	1.50	1.53
14	A	1105	CLA	CMC-C2C	-2.15	1.46	1.50
14	t	512	CLA	CMD-C2D	-2.15	1.46	1.50
14	5	508	CLA	C3B-C2B	-2.15	1.37	1.40
14	6	508	CLA	CMC-C2C	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	1239	CLA	CMD-C2D	-2.15	1.46	1.50
14	G	1127	CLA	MG-ND	-2.15	2.01	2.05
14	G	1134	CLA	CMD-C2D	-2.15	1.46	1.50
14	r	513	CLA	CMD-C2D	-2.15	1.46	1.50
14	u	508	CLA	C3B-C2B	-2.15	1.37	1.40
14	H	1232	CLA	CMD-C2D	-2.15	1.46	1.50
14	v	507	CLA	CMD-C2D	-2.15	1.46	1.50
14	t	505	CLA	C3B-CAB	-2.15	1.43	1.47
14	A	1125	CLA	MG-ND	-2.15	2.01	2.05
14	f	1215	CLA	C3B-C2B	-2.15	1.37	1.40
14	B	1232	CLA	CMD-C2D	-2.15	1.46	1.50
14	G	1127	CLA	C3B-CAB	-2.15	1.43	1.47
14	A	1127	CLA	CMC-C2C	-2.15	1.46	1.50
21	s	822	SQD	O2-C2	-2.15	1.37	1.43
14	3	511	CLA	CMD-C2D	-2.15	1.46	1.50
14	a	518	CLA	CMD-C2D	-2.15	1.46	1.50
14	e	1133	CLA	CMC-C2C	-2.15	1.46	1.50
14	q	510	CLA	CMD-C2D	-2.15	1.46	1.50
14	l	512	CLA	C3B-C2B	-2.15	1.37	1.40
14	G	1124	CLA	CMC-C2C	-2.15	1.46	1.50
14	H	1216	CLA	C3B-CAB	-2.15	1.43	1.47
14	3	517	CLA	CMC-C2C	-2.15	1.46	1.50
14	e	1105	CLA	C3B-CAB	-2.15	1.43	1.47
14	Y	510	CLA	CMD-C2D	-2.14	1.46	1.50
14	a	511	CLA	CMD-C2D	-2.14	1.46	1.50
14	u	519	CLA	C3B-C2B	-2.14	1.37	1.40
14	f	1222	CLA	C3B-CAB	-2.14	1.43	1.47
14	H	1214	CLA	CMD-C2D	-2.14	1.46	1.50
14	Z	519	CLA	CMC-C2C	-2.14	1.46	1.50
14	s	501	CLA	CMC-C2C	-2.14	1.46	1.50
14	s	508	CLA	CMC-C2C	-2.14	1.46	1.50
14	A	1139	CLA	MG-ND	-2.14	2.01	2.05
14	H	1230	CLA	C3B-CAB	-2.14	1.43	1.47
14	Z	508	CLA	C3B-C2B	-2.14	1.37	1.40
14	B	1230	CLA	C3B-CAB	-2.14	1.43	1.47
14	R	1302	CLA	C3B-CAB	-2.14	1.43	1.47
14	G	1133	CLA	C3B-C2B	-2.14	1.37	1.40
14	q	504	CLA	CMC-C2C	-2.14	1.46	1.50
14	e	1131	CLA	MG-ND	-2.14	2.01	2.05
14	r	509	CLA	CMC-C2C	-2.14	1.46	1.50
21	6	822	SQD	O4-C4	-2.14	1.37	1.43
21	V	5216	SQD	O4-C4	-2.14	1.37	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1134	CLA	CMC-C2C	-2.14	1.46	1.50
14	e	1131	CLA	CMC-C2C	-2.14	1.46	1.50
14	G	1139	CLA	MG-ND	-2.14	2.01	2.05
14	A	1127	CLA	C3B-CAB	-2.14	1.43	1.47
18	B	1855	LHG	P-O6	2.14	1.68	1.59
14	c	513	CLA	C3B-C2B	-2.14	1.37	1.40
14	Z	507	CLA	CMD-C2D	-2.14	1.46	1.50
14	d	508	CLA	CMC-C2C	-2.14	1.46	1.50
14	f	1224	CLA	CMC-C2C	-2.14	1.46	1.50
14	A	1102	CLA	MG-ND	-2.14	2.01	2.05
14	2	513	CLA	CMD-C2D	-2.14	1.46	1.50
14	K	1105	CLA	C3B-C2B	-2.14	1.37	1.40
14	f	1228	CLA	CMC-C2C	-2.14	1.46	1.50
14	e	1133	CLA	C3B-C2B	-2.14	1.37	1.40
14	f	1012	CLA	MG-ND	-2.14	2.01	2.05
17	e	4002	BCR	C30-C25	-2.14	1.50	1.53
14	5	507	CLA	CMD-C2D	-2.14	1.46	1.50
14	R	1301	CLA	CMC-C2C	-2.14	1.46	1.50
14	A	1111	CLA	MG-ND	-2.14	2.01	2.05
14	e	1102	CLA	MG-ND	-2.14	2.01	2.05
14	G	1112	CLA	MG-ND	-2.14	2.01	2.05
14	e	1125	CLA	C3B-CAB	-2.14	1.43	1.47
14	A	1137	CLA	CMC-C2C	-2.14	1.46	1.50
14	3	518	CLA	CMC-C2C	-2.14	1.46	1.50
14	e	1134	CLA	CMC-C2C	-2.14	1.46	1.50
14	j	1302	CLA	CMC-C2C	-2.14	1.46	1.50
14	G	1118	CLA	C3B-CAB	-2.14	1.43	1.47
14	G	1011	CLA	CMC-C2C	-2.14	1.46	1.50
14	a	517	CLA	CMC-C2C	-2.14	1.46	1.50
14	b	509	CLA	CMD-C2D	-2.14	1.46	1.50
21	2	822	SQD	O4-C4	-2.14	1.37	1.43
18	H	1855	LHG	P-O6	2.14	1.67	1.59
21	Z	822	SQD	O4-C4	-2.14	1.37	1.43
14	A	1109	CLA	MG-ND	-2.14	2.01	2.05
21	v	822	SQD	O4-C4	-2.13	1.37	1.43
14	H	1238	CLA	CMC-C2C	-2.13	1.46	1.50
14	d	509	CLA	CMD-C2D	-2.13	1.46	1.50
14	H	1232	CLA	MG-ND	-2.13	2.01	2.05
14	Y	512	CLA	C3B-C2B	-2.13	1.37	1.40
14	u	513	CLA	C3B-C2B	-2.13	1.37	1.40
21	L	5216	SQD	O4-C4	-2.13	1.37	1.43
14	B	1228	CLA	CMC-C2C	-2.13	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	v	508	CLA	CMC-C2C	-2.13	1.46	1.50
14	A	1115	CLA	C3B-CAB	-2.13	1.43	1.47
14	G	1125	CLA	MG-ND	-2.13	2.01	2.05
14	e	1135	CLA	C4B-CHC	-2.13	1.35	1.41
18	f	1855	LHG	P-O6	2.13	1.67	1.59
14	n	1501	CLA	C3B-CAB	-2.13	1.43	1.47
14	q	512	CLA	C3B-C2B	-2.13	1.37	1.40
21	t	822	SQD	O2-C2	-2.13	1.38	1.43
14	A	1126	CLA	MG-ND	-2.13	2.01	2.05
17	k	4018	BCR	C1-C6	-2.13	1.50	1.53
14	2	518	CLA	CMD-C2D	-2.13	1.46	1.50
14	Y	504	CLA	CMD-C2D	-2.13	1.46	1.50
14	c	507	CLA	CMD-C2D	-2.13	1.46	1.50
21	4	822	SQD	O2-C2	-2.13	1.38	1.43
14	B	1023	CLA	C3B-CAB	-2.13	1.43	1.47
14	B	1222	CLA	C3B-CAB	-2.13	1.43	1.47
14	v	507	CLA	C3B-C2B	-2.13	1.37	1.40
14	u	517	CLA	CMD-C2D	-2.13	1.46	1.50
14	1	504	CLA	C3B-C2B	-2.13	1.37	1.40
14	F	1302	CLA	C3B-CAB	-2.13	1.43	1.47
14	4	519	CLA	CMC-C2C	-2.13	1.46	1.50
14	c	513	CLA	CMD-C2D	-2.13	1.46	1.50
14	e	1118	CLA	C3B-CAB	-2.13	1.43	1.47
21	Z	822	SQD	O3-C3	-2.13	1.38	1.43
14	s	518	CLA	CMC-C2C	-2.13	1.46	1.50
14	A	1124	CLA	C3B-C2B	-2.13	1.37	1.40
14	H	1222	CLA	C3B-CAB	-2.13	1.43	1.47
14	1	510	CLA	CMD-C2D	-2.13	1.46	1.50
14	G	1109	CLA	MG-ND	-2.13	2.01	2.05
14	f	1215	CLA	CMC-C2C	-2.13	1.46	1.50
14	r	508	CLA	CMD-C2D	-2.13	1.46	1.50
14	b	505	CLA	C3B-CAB	-2.13	1.43	1.47
14	H	1230	CLA	MG-ND	-2.13	2.01	2.05
14	A	1125	CLA	C3B-CAB	-2.13	1.43	1.47
14	G	1115	CLA	C3B-CAB	-2.13	1.43	1.47
14	1	504	CLA	CMD-C2D	-2.13	1.46	1.50
14	q	504	CLA	CMD-C2D	-2.13	1.46	1.50
14	f	1211	CLA	MG-ND	-2.13	2.01	2.05
17	V	4020	BCR	C21-C22	-2.13	1.33	1.35
14	A	1105	CLA	C3B-CAB	-2.13	1.43	1.47
14	L	1501	CLA	C3B-CAB	-2.13	1.43	1.47
14	A	1139	CLA	C3B-C2B	-2.13	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	512	CLA	CMD-C2D	-2.13	1.46	1.50
14	A	1118	CLA	C3B-CAB	-2.13	1.43	1.47
14	a	518	CLA	CMC-C2C	-2.13	1.46	1.50
14	a	510	CLA	CMD-C2D	-2.13	1.46	1.50
21	b	822	SQD	O2-C2	-2.13	1.38	1.43
14	e	1139	CLA	MG-ND	-2.13	2.01	2.05
14	J	1303	CLA	CMD-C2D	-2.13	1.46	1.50
18	V	5220	LHG	O7-C5	-2.12	1.41	1.46
14	A	1131	CLA	CMC-C2C	-2.12	1.46	1.50
14	3	501	CLA	CMC-C2C	-2.12	1.46	1.50
14	Z	518	CLA	CMD-C2D	-2.12	1.46	1.50
14	4	505	CLA	C3B-CAB	-2.12	1.43	1.47
14	Z	508	CLA	MG-ND	-2.12	2.01	2.05
17	A	4008	BCR	C21-C22	-2.12	1.33	1.35
14	v	509	CLA	CMC-C2C	-2.12	1.46	1.50
14	G	1137	CLA	C3B-CAB	-2.12	1.43	1.47
14	B	1012	CLA	MG-ND	-2.12	2.01	2.05
14	2	510	CLA	CMD-C2D	-2.12	1.46	1.50
18	n	5220	LHG	O7-C5	-2.12	1.41	1.46
14	c	519	CLA	C3B-C2B	-2.12	1.37	1.40
14	A	1801	CLA	CMD-C2D	-2.12	1.46	1.50
14	2	508	CLA	CMD-C2D	-2.12	1.46	1.50
14	G	1105	CLA	CMC-C2C	-2.12	1.46	1.50
14	G	1122	CLA	MG-ND	-2.12	2.01	2.05
14	B	1218	CLA	CMC-C2C	-2.12	1.46	1.50
14	G	1105	CLA	C3B-CAB	-2.12	1.43	1.47
14	U	1105	CLA	C3B-C2B	-2.12	1.37	1.40
14	H	1211	CLA	CMC-C2C	-2.12	1.46	1.50
14	u	508	CLA	CMD-C2D	-2.12	1.46	1.50
14	A	1137	CLA	C3B-CAB	-2.12	1.43	1.47
14	f	1023	CLA	C3B-CAB	-2.12	1.43	1.47
14	t	519	CLA	CMC-C2C	-2.12	1.46	1.50
14	G	1123	CLA	CMC-C2C	-2.12	1.46	1.50
14	Z	508	CLA	CMD-C2D	-2.12	1.46	1.50
14	u	507	CLA	CMD-C2D	-2.12	1.46	1.50
14	A	1237	CLA	CAC-C3C	-2.12	1.45	1.51
14	H	1023	CLA	C3B-CAB	-2.12	1.43	1.47
14	A	1134	CLA	C3B-C2B	-2.12	1.37	1.40
14	A	1135	CLA	C4B-CHC	-2.12	1.35	1.41
14	e	1111	CLA	MG-ND	-2.12	2.01	2.05
14	F	1302	CLA	CMC-C2C	-2.12	1.46	1.50
14	5	517	CLA	CMD-C2D	-2.12	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	513	CLA	CMC-C2C	-2.12	1.46	1.50
14	A	1112	CLA	MG-ND	-2.12	2.01	2.05
14	F	1301	CLA	CMC-C2C	-2.12	1.46	1.50
14	u	513	CLA	CMC-C2C	-2.12	1.46	1.50
18	L	5220	LHG	O7-C5	-2.12	1.41	1.46
14	H	1206	CLA	CAC-C3C	-2.12	1.45	1.51
14	f	1206	CLA	CAC-C3C	-2.12	1.45	1.51
14	R	1302	CLA	CMC-C2C	-2.12	1.46	1.50
14	2	508	CLA	C3B-C2B	-2.12	1.37	1.40
14	6	509	CLA	CMD-C2D	-2.12	1.46	1.50
14	f	1239	CLA	CMD-C2D	-2.12	1.46	1.50
17	L	4020	BCR	C21-C22	-2.12	1.33	1.35
14	G	1121	CLA	C4B-CHC	-2.12	1.35	1.41
14	j	1301	CLA	CMC-C2C	-2.12	1.46	1.50
14	A	1133	CLA	C3B-C2B	-2.12	1.37	1.40
14	3	517	CLA	CMD-C2D	-2.12	1.46	1.50
14	6	507	CLA	C3B-C2B	-2.12	1.37	1.40
14	B	1239	CLA	CMD-C2D	-2.12	1.46	1.50
14	c	517	CLA	CMD-C2D	-2.12	1.46	1.50
14	d	507	CLA	C3B-C2B	-2.11	1.37	1.40
14	4	509	CLA	CMD-C2D	-2.11	1.46	1.50
14	2	508	CLA	MG-ND	-2.11	2.01	2.05
14	f	1230	CLA	C3B-CAB	-2.11	1.43	1.47
14	5	508	CLA	CMD-C2D	-2.11	1.46	1.50
14	U	1401	CLA	CMD-C2D	-2.11	1.46	1.50
14	u	503	CLA	CMD-C2D	-2.11	1.46	1.50
14	B	1211	CLA	MG-ND	-2.11	2.01	2.05
14	5	519	CLA	C3B-C2B	-2.11	1.37	1.40
14	G	1139	CLA	C3B-C2B	-2.11	1.37	1.40
14	B	1206	CLA	CAC-C3C	-2.11	1.45	1.51
14	e	1116	CLA	MG-ND	-2.11	2.01	2.05
14	A	1134	CLA	CMC-C2C	-2.11	1.46	1.50
14	T	1303	CLA	CMD-C2D	-2.11	1.46	1.50
14	r	504	CLA	CMD-C2D	-2.11	1.46	1.50
14	e	1106	CLA	MG-ND	-2.11	2.01	2.05
14	e	1237	CLA	CAC-C3C	-2.11	1.45	1.51
14	f	1218	CLA	C3B-C2B	-2.11	1.37	1.40
14	u	517	CLA	C3B-C2B	-2.11	1.37	1.40
14	f	1210	CLA	MG-ND	-2.11	2.01	2.05
14	e	1115	CLA	C3B-CAB	-2.11	1.43	1.47
14	G	1111	CLA	MG-ND	-2.11	2.01	2.05
17	V	4219	BCR	C14-C13	-2.11	1.33	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	1303	CLA	CMC-C2C	-2.11	1.46	1.50
14	c	508	CLA	CMD-C2D	-2.11	1.46	1.50
14	G	1116	CLA	MG-ND	-2.11	2.01	2.05
14	H	1205	CLA	MG-ND	-2.11	2.01	2.05
14	H	1211	CLA	MG-ND	-2.11	2.01	2.05
17	n	4020	BCR	C21-C22	-2.11	1.33	1.35
14	l	513	CLA	CMC-C2C	-2.11	1.46	1.50
14	Z	509	CLA	CMC-C2C	-2.11	1.46	1.50
14	G	1237	CLA	C3B-CAB	-2.11	1.43	1.47
21	n	5216	SQD	O4-C4	-2.11	1.38	1.43
14	G	1134	CLA	C3B-C2B	-2.11	1.37	1.40
14	e	1139	CLA	C3B-C2B	-2.11	1.37	1.40
14	G	1125	CLA	C3B-CAB	-2.11	1.43	1.47
14	b	510	CLA	CMD-C2D	-2.11	1.46	1.50
14	e	1126	CLA	MG-ND	-2.11	2.01	2.05
14	K	1401	CLA	CMD-C2D	-2.11	1.46	1.50
14	b	508	CLA	CMD-C2D	-2.11	1.46	1.50
14	H	1012	CLA	MG-ND	-2.11	2.01	2.05
14	A	1011	CLA	C3B-CAB	-2.11	1.43	1.47
14	G	1114	CLA	CMC-C2C	-2.11	1.46	1.50
14	b	516	CLA	CMD-C2D	-2.11	1.46	1.50
14	m	1105	CLA	C3C-C2C	2.11	1.41	1.36
14	B	1205	CLA	MG-ND	-2.11	2.01	2.05
14	4	516	CLA	CMD-C2D	-2.11	1.46	1.50
14	e	1011	CLA	C3B-C2B	-2.11	1.37	1.40
14	2	511	CLA	CMD-C2D	-2.10	1.46	1.50
14	6	509	CLA	CMC-C2C	-2.10	1.46	1.50
14	Z	510	CLA	CMD-C2D	-2.10	1.46	1.50
14	e	1011	CLA	C3B-CAB	-2.10	1.43	1.47
14	3	510	CLA	CMD-C2D	-2.10	1.46	1.50
14	5	513	CLA	CMC-C2C	-2.10	1.46	1.50
14	r	510	CLA	CMD-C2D	-2.10	1.46	1.50
14	f	1205	CLA	MG-ND	-2.10	2.01	2.05
14	B	1229	CLA	CMC-C2C	-2.10	1.46	1.50
14	G	1137	CLA	CMC-C2C	-2.10	1.46	1.50
14	r	508	CLA	MG-ND	-2.10	2.01	2.05
14	H	1229	CLA	CMC-C2C	-2.10	1.46	1.50
14	e	1801	CLA	CMD-C2D	-2.10	1.46	1.50
14	e	1137	CLA	C3B-CAB	-2.10	1.43	1.47
14	m	1105	CLA	C3B-C2B	-2.10	1.37	1.40
14	H	1204	CLA	CMC-C2C	-2.10	1.46	1.50
14	u	516	CLA	CMD-C2D	-2.10	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1237	CLA	CAC-C3C	-2.10	1.45	1.51
17	G	4002	BCR	C30-C25	-2.10	1.50	1.53
14	H	1235	CLA	C3B-CAB	-2.10	1.43	1.47
14	J	1303	CLA	CMC-C2C	-2.10	1.46	1.50
14	s	510	CLA	CMD-C2D	-2.10	1.46	1.50
14	A	1116	CLA	MG-ND	-2.10	2.01	2.05
14	G	1106	CLA	MG-ND	-2.10	2.01	2.05
14	H	1218	CLA	CMC-C2C	-2.10	1.46	1.50
14	b	502	CLA	CMC-C2C	-2.10	1.46	1.50
14	t	516	CLA	CMD-C2D	-2.10	1.46	1.50
14	G	1121	CLA	CMC-C2C	-2.10	1.46	1.50
14	m	1401	CLA	CMD-C2D	-2.10	1.46	1.50
14	e	1117	CLA	MG-ND	-2.10	2.01	2.05
17	e	4008	BCR	C21-C22	-2.10	1.33	1.35
14	Z	504	CLA	CMD-C2D	-2.10	1.46	1.50
14	v	519	CLA	CMC-C2C	-2.10	1.46	1.50
14	e	1115	CLA	MG-ND	-2.10	2.01	2.05
14	e	1134	CLA	C3B-C2B	-2.10	1.37	1.40
14	n	1501	CLA	CMC-C2C	-2.10	1.46	1.50
14	K	1105	CLA	C3C-C2C	2.10	1.41	1.36
14	A	1237	CLA	C3B-CAB	-2.10	1.43	1.47
21	n	5216	SQD	O3-C3	-2.10	1.38	1.43
14	l	517	CLA	CMD-C2D	-2.10	1.46	1.50
14	G	1135	CLA	C4B-CHC	-2.10	1.35	1.41
14	f	1235	CLA	C3B-CAB	-2.10	1.43	1.47
17	S	4018	BCR	C30-C25	-2.10	1.50	1.53
14	B	1204	CLA	CMC-C2C	-2.10	1.46	1.50
14	l	504	CLA	CMC-C2C	-2.10	1.46	1.50
14	a	519	CLA	CMC-C2C	-2.10	1.46	1.50
14	s	513	CLA	C3B-C2B	-2.10	1.37	1.40
14	A	1115	CLA	MG-ND	-2.10	2.01	2.05
14	A	1106	CLA	MG-ND	-2.10	2.01	2.05
14	2	504	CLA	CMD-C2D	-2.10	1.46	1.50
14	H	1231	CLA	CMC-C2C	-2.10	1.46	1.50
14	e	1121	CLA	CMC-C2C	-2.10	1.46	1.50
14	e	1109	CLA	MG-ND	-2.10	2.01	2.05
14	f	1223	CLA	MG-ND	-2.10	2.01	2.05
14	A	1011	CLA	C3B-C2B	-2.10	1.37	1.40
14	2	516	CLA	C3B-C2B	-2.10	1.37	1.40
21	s	822	SQD	O3-C3	-2.10	1.38	1.43
14	2	509	CLA	CMC-C2C	-2.10	1.46	1.50
21	L	5216	SQD	O3-C3	-2.10	1.38	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	1121	CLA	C4B-CHC	-2.09	1.35	1.41
14	2	519	CLA	C3B-CAB	-2.09	1.43	1.47
14	G	1102	CLA	MG-ND	-2.09	2.01	2.05
14	f	1218	CLA	CMC-C2C	-2.09	1.46	1.50
14	d	501	CLA	CMD-C2D	-2.09	1.46	1.50
20	J	5104	LMG	O8-C9	-2.09	1.40	1.45
14	e	1237	CLA	C3B-CAB	-2.09	1.43	1.47
14	f	1204	CLA	CMC-C2C	-2.09	1.46	1.50
14	H	1228	CLA	CMC-C2C	-2.09	1.46	1.50
14	Z	511	CLA	CMD-C2D	-2.09	1.46	1.50
14	A	1117	CLA	MG-ND	-2.09	2.01	2.05
14	Z	519	CLA	C3B-CAB	-2.09	1.43	1.47
14	G	1131	CLA	CMC-C2C	-2.09	1.46	1.50
14	u	510	CLA	CMD-C2D	-2.09	1.46	1.50
14	v	516	CLA	CMD-C2D	-2.09	1.46	1.50
14	B	1227	CLA	CMC-C2C	-2.09	1.46	1.50
14	3	513	CLA	C3B-C2B	-2.09	1.37	1.40
21	2	822	SQD	O3-C3	-2.09	1.38	1.43
20	T	5104	LMG	O8-C9	-2.09	1.40	1.45
17	n	4020	BCR	C10-C9	-2.09	1.33	1.35
20	l	5104	LMG	O8-C9	-2.09	1.40	1.45
14	e	1112	CLA	MG-ND	-2.09	2.01	2.05
14	B	1235	CLA	C3B-CAB	-2.09	1.43	1.47
14	G	1011	CLA	C3B-CAB	-2.09	1.43	1.47
14	s	519	CLA	C3B-CAB	-2.09	1.43	1.47
17	G	4008	BCR	C21-C22	-2.09	1.33	1.35
14	6	501	CLA	CMD-C2D	-2.09	1.46	1.50
14	a	517	CLA	CMD-C2D	-2.09	1.46	1.50
14	3	508	CLA	CMD-C2D	-2.09	1.46	1.50
14	r	516	CLA	CMD-C2D	-2.09	1.46	1.50
14	e	1109	CLA	C4B-CHC	-2.09	1.35	1.41
14	q	513	CLA	CMD-C2D	-2.09	1.46	1.50
14	H	1205	CLA	C3B-CAB	-2.09	1.43	1.47
14	e	1114	CLA	CMC-C2C	-2.09	1.46	1.50
21	r	822	SQD	O3-C3	-2.09	1.38	1.43
14	3	519	CLA	CMC-C2C	-2.09	1.46	1.50
14	a	508	CLA	CMD-C2D	-2.09	1.46	1.50
14	Z	516	CLA	C3B-C2B	-2.09	1.37	1.40
14	A	1123	CLA	CMC-C2C	-2.09	1.46	1.50
14	r	511	CLA	CMD-C2D	-2.09	1.46	1.50
14	v	509	CLA	CMD-C2D	-2.09	1.46	1.50
14	L	1501	CLA	CMC-C2C	-2.09	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	507	CLA	CMD-C2D	-2.09	1.46	1.50
14	5	517	CLA	C3B-C2B	-2.09	1.37	1.40
14	a	513	CLA	C3B-C2B	-2.09	1.37	1.40
14	T	1302	CLA	CMC-C2C	-2.09	1.46	1.50
14	t	509	CLA	CMD-C2D	-2.09	1.46	1.50
14	Y	513	CLA	CMC-C2C	-2.09	1.46	1.50
14	f	1231	CLA	CMC-C2C	-2.09	1.46	1.50
14	v	508	CLA	CMD-C2D	-2.09	1.46	1.50
14	A	1114	CLA	CMC-C2C	-2.09	1.46	1.50
14	e	1119	CLA	C3B-CAB	-2.09	1.43	1.47
14	r	516	CLA	C3B-C2B	-2.09	1.37	1.40
14	Y	504	CLA	CMC-C2C	-2.09	1.46	1.50
14	Y	517	CLA	CMD-C2D	-2.09	1.46	1.50
14	u	501	CLA	CMD-C2D	-2.09	1.46	1.50
14	s	508	CLA	CMD-C2D	-2.08	1.46	1.50
14	B	1232	CLA	MG-ND	-2.08	2.01	2.05
14	c	506	CLA	CMD-C2D	-2.08	1.46	1.50
14	d	519	CLA	CMC-C2C	-2.08	1.46	1.50
14	J	1302	CLA	CMC-C2C	-2.08	1.46	1.50
14	A	1022	CLA	O2D-CED	-2.08	1.40	1.45
14	6	519	CLA	CMD-C2D	-2.08	1.46	1.50
14	G	1801	CLA	CMD-C2D	-2.08	1.46	1.50
14	s	517	CLA	CMD-C2D	-2.08	1.46	1.50
14	e	1022	CLA	O2D-CED	-2.08	1.40	1.45
14	f	1229	CLA	CMC-C2C	-2.08	1.46	1.50
14	H	1223	CLA	MG-ND	-2.08	2.01	2.05
14	e	1123	CLA	CMC-C2C	-2.08	1.46	1.50
14	s	508	CLA	MG-ND	-2.08	2.01	2.05
21	4	822	SQD	O4-C4	-2.08	1.38	1.43
14	B	1223	CLA	MG-ND	-2.08	2.01	2.05
14	n	1503	CLA	MG-ND	-2.08	2.01	2.05
14	f	1209	CLA	C3B-C2B	-2.08	1.37	1.40
14	Z	506	CLA	CMD-C2D	-2.08	1.46	1.50
14	q	508	CLA	C3B-C2B	-2.08	1.37	1.40
21	a	822	SQD	O3-C3	-2.08	1.38	1.43
14	e	1121	CLA	C4B-CHC	-2.08	1.35	1.41
14	B	1210	CLA	MG-ND	-2.08	2.01	2.05
14	G	1115	CLA	MG-ND	-2.08	2.01	2.05
21	t	822	SQD	O4-C4	-2.08	1.38	1.43
14	B	1231	CLA	CMC-C2C	-2.08	1.46	1.50
14	G	1139	CLA	CMC-C2C	-2.08	1.46	1.50
14	v	504	CLA	CMD-C2D	-2.08	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	508	CLA	C3B-C2B	-2.08	1.37	1.40
14	d	504	CLA	CMD-C2D	-2.08	1.46	1.50
14	f	1208	CLA	C3B-CAB	-2.08	1.43	1.47
14	H	1210	CLA	MG-ND	-2.08	2.01	2.05
14	J	1302	CLA	CMD-C2D	-2.08	1.46	1.50
14	q	518	CLA	CMD-C2D	-2.08	1.46	1.50
14	3	519	CLA	C3B-CAB	-2.08	1.43	1.47
14	f	1203	CLA	C3B-CAB	-2.08	1.43	1.47
14	a	510	CLA	O2A-CGA	2.08	1.37	1.30
14	2	517	CLA	CMD-C2D	-2.08	1.46	1.50
14	c	513	CLA	CMC-C2C	-2.08	1.46	1.50
14	v	501	CLA	CMD-C2D	-2.08	1.46	1.50
14	1	509	CLA	CMD-C2D	-2.08	1.46	1.50
14	3	507	CLA	CMD-C2D	-2.08	1.46	1.50
14	Y	510	CLA	CMC-C2C	-2.08	1.46	1.50
14	t	507	CLA	CMD-C2D	-2.08	1.46	1.50
14	H	1203	CLA	C3B-CAB	-2.08	1.43	1.47
21	V	5216	SQD	O3-C3	-2.08	1.38	1.43
14	d	509	CLA	CMC-C2C	-2.08	1.46	1.50
14	H	1204	CLA	MG-ND	-2.08	2.01	2.05
14	d	519	CLA	CMD-C2D	-2.07	1.46	1.50
14	3	510	CLA	O2A-CGA	2.07	1.37	1.30
14	a	506	CLA	CMD-C2D	-2.07	1.46	1.50
14	s	510	CLA	O2A-CGA	2.07	1.37	1.30
14	U	1105	CLA	C3C-C2C	2.07	1.41	1.36
14	4	513	CLA	CMD-C2D	-2.07	1.46	1.50
21	u	822	SQD	O4-C4	-2.07	1.38	1.43
14	6	519	CLA	CMC-C2C	-2.07	1.46	1.50
14	t	502	CLA	CMC-C2C	-2.07	1.46	1.50
17	V	4020	BCR	C10-C9	-2.07	1.33	1.35
14	4	508	CLA	CMD-C2D	-2.07	1.46	1.50
14	d	510	CLA	CMC-C2C	-2.07	1.46	1.50
14	A	1121	CLA	CMC-C2C	-2.07	1.46	1.50
14	4	510	CLA	CMD-C2D	-2.07	1.46	1.50
14	d	508	CLA	CMD-C2D	-2.07	1.46	1.50
21	c	822	SQD	O4-C4	-2.07	1.38	1.43
14	a	513	CLA	CMD-C2D	-2.07	1.46	1.50
14	r	513	CLA	C3B-CAB	-2.07	1.43	1.47
21	5	822	SQD	O4-C4	-2.07	1.38	1.43
14	A	1122	CLA	MG-ND	-2.07	2.01	2.05
14	q	517	CLA	CMD-C2D	-2.07	1.46	1.50
14	r	519	CLA	C3B-CAB	-2.07	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	Y	822	SQD	O3-C3	-2.07	1.38	1.43
14	l	1303	CLA	CMC-C2C	-2.07	1.46	1.50
14	b	505	CLA	MG-ND	-2.07	2.01	2.05
14	t	508	CLA	CMD-C2D	-2.07	1.46	1.50
14	G	1117	CLA	MG-ND	-2.07	2.01	2.05
14	Y	503	CLA	C3B-C2B	-2.07	1.37	1.40
14	G	1022	CLA	O2D-CED	-2.07	1.40	1.45
14	H	1208	CLA	C3B-CAB	-2.07	1.43	1.47
14	q	503	CLA	C3B-C2B	-2.07	1.37	1.40
14	A	1104	CLA	MG-ND	-2.07	2.01	2.05
14	2	506	CLA	CMD-C2D	-2.07	1.46	1.50
14	6	504	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	1203	CLA	C3B-CAB	-2.07	1.43	1.47
18	n	5218	LHG	P-O6	2.07	1.67	1.59
14	d	513	CLA	CMD-C2D	-2.07	1.46	1.50
14	b	508	CLA	MG-ND	-2.07	2.01	2.05
14	a	510	CLA	C3B-CAB	-2.07	1.43	1.47
14	T	1302	CLA	CMD-C2D	-2.07	1.46	1.50
14	r	504	CLA	C3B-C2B	-2.07	1.37	1.40
14	f	1227	CLA	CMC-C2C	-2.07	1.46	1.50
14	2	513	CLA	C3B-CAB	-2.07	1.43	1.47
14	6	513	CLA	C3B-C2B	-2.07	1.37	1.40
18	L	5218	LHG	P-O6	2.07	1.67	1.59
21	d	822	SQD	O3-C3	-2.07	1.38	1.43
14	4	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	d	510	CLA	CMD-C2D	-2.06	1.46	1.50
14	v	519	CLA	CMD-C2D	-2.06	1.46	1.50
14	f	1220	CLA	MG-ND	-2.06	2.01	2.05
14	Y	513	CLA	CMD-C2D	-2.06	1.46	1.50
14	b	519	CLA	CMD-C2D	-2.06	1.46	1.50
14	1	503	CLA	C3B-C2B	-2.06	1.37	1.40
14	3	512	CLA	C3B-C2B	-2.06	1.37	1.40
14	1	513	CLA	CMD-C2D	-2.06	1.46	1.50
14	4	519	CLA	CMD-C2D	-2.06	1.46	1.50
14	t	519	CLA	CMD-C2D	-2.06	1.46	1.50
18	V	5218	LHG	P-O6	2.06	1.67	1.59
18	e	5008	LHG	P-O6	2.06	1.67	1.59
14	3	513	CLA	C3B-CAB	-2.06	1.43	1.47
14	6	508	CLA	CMD-C2D	-2.06	1.46	1.50
14	e	1104	CLA	CAC-C3C	-2.06	1.45	1.51
21	b	822	SQD	O4-C4	-2.06	1.38	1.43
14	Z	519	CLA	CMD-C2D	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	t	513	CLA	CMD-C2D	-2.06	1.46	1.50
14	a	519	CLA	C3B-CAB	-2.06	1.43	1.47
14	n	1501	CLA	MG-ND	-2.06	2.01	2.05
14	A	1139	CLA	CMC-C2C	-2.06	1.46	1.50
14	5	516	CLA	CMD-C2D	-2.06	1.46	1.50
14	Z	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	s	519	CLA	CMC-C2C	-2.06	1.46	1.50
14	G	1011	CLA	C3B-C2B	-2.06	1.37	1.40
14	a	512	CLA	C3B-C2B	-2.06	1.37	1.40
14	d	516	CLA	CMD-C2D	-2.06	1.46	1.50
14	v	513	CLA	CMD-C2D	-2.06	1.46	1.50
14	G	1109	CLA	C4B-CHC	-2.06	1.35	1.41
14	s	512	CLA	C3B-C2B	-2.06	1.37	1.40
14	5	510	CLA	CMD-C2D	-2.06	1.46	1.50
14	B	1208	CLA	C3B-CAB	-2.06	1.43	1.47
14	s	513	CLA	C3B-CAB	-2.06	1.43	1.47
14	Y	512	CLA	MG-ND	-2.06	2.01	2.05
14	a	508	CLA	MG-ND	-2.06	2.01	2.05
14	A	1011	CLA	C4B-CHC	-2.06	1.35	1.41
14	Z	513	CLA	C3B-CAB	-2.06	1.43	1.47
14	G	1108	CLA	C3B-C2B	-2.06	1.37	1.40
14	q	508	CLA	MG-ND	-2.06	2.01	2.05
21	Y	822	SQD	O4-C4	-2.06	1.38	1.43
14	a	505	CLA	CMC-C2C	-2.06	1.46	1.50
14	B	1204	CLA	MG-ND	-2.06	2.01	2.05
21	q	822	SQD	O4-C4	-2.06	1.38	1.43
14	3	505	CLA	CMC-C2C	-2.06	1.46	1.50
14	c	510	CLA	CMD-C2D	-2.06	1.46	1.50
14	s	510	CLA	C3B-CAB	-2.06	1.43	1.47
18	A	5008	LHG	P-O6	2.06	1.67	1.59
21	1	822	SQD	O4-C4	-2.06	1.38	1.43
14	L	1503	CLA	MG-ND	-2.06	2.01	2.05
14	H	1220	CLA	MG-ND	-2.06	2.01	2.05
14	e	1139	CLA	CMC-C2C	-2.06	1.46	1.50
14	r	513	CLA	CMC-C2C	-2.06	1.46	1.50
14	1	508	CLA	CMD-C2D	-2.06	1.46	1.50
14	3	506	CLA	CMD-C2D	-2.06	1.46	1.50
14	4	502	CLA	CMC-C2C	-2.06	1.46	1.50
14	G	1139	CLA	C3B-CAB	-2.06	1.43	1.47
14	r	506	CLA	CMD-C2D	-2.06	1.46	1.50
21	6	822	SQD	O3-C3	-2.06	1.38	1.43
14	V	1501	CLA	MG-ND	-2.06	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	u	510	CLA	CMC-C2C	-2.06	1.46	1.50
17	f	4017	BCR	C30-C25	-2.06	1.50	1.53
14	A	1109	CLA	C4B-CHC	-2.06	1.35	1.41
14	B	1205	CLA	C3B-CAB	-2.06	1.43	1.47
14	4	508	CLA	MG-ND	-2.06	2.01	2.05
14	r	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	L	1502	CLA	C3B-C2B	-2.06	1.37	1.40
14	5	503	CLA	C3B-C2B	-2.06	1.37	1.40
21	3	822	SQD	O3-C3	-2.06	1.38	1.43
14	Y	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	H	1209	CLA	C3B-C2B	-2.06	1.37	1.40
14	c	503	CLA	C3B-C2B	-2.06	1.37	1.40
14	2	513	CLA	CMC-C2C	-2.06	1.46	1.50
14	q	519	CLA	CMD-C2D	-2.06	1.46	1.50
14	s	507	CLA	CMD-C2D	-2.06	1.46	1.50
14	e	1011	CLA	C4B-CHC	-2.05	1.35	1.41
14	5	501	CLA	CMD-C2D	-2.05	1.46	1.50
14	V	1501	CLA	CMC-C2C	-2.05	1.46	1.50
14	s	513	CLA	CMD-C2D	-2.05	1.46	1.50
14	B	1220	CLA	MG-ND	-2.05	2.01	2.05
14	4	505	CLA	MG-ND	-2.05	2.01	2.05
14	G	1011	CLA	C4B-CHC	-2.05	1.35	1.41
14	1	518	CLA	CMD-C2D	-2.05	1.46	1.50
14	1	508	CLA	C3B-C2B	-2.05	1.37	1.40
14	Y	504	CLA	C3B-C2B	-2.05	1.37	1.40
14	6	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	q	510	CLA	CMC-C2C	-2.05	1.46	1.50
14	1	508	CLA	MG-ND	-2.05	2.01	2.05
14	t	508	CLA	MG-ND	-2.05	2.01	2.05
14	A	1136	CLA	C3B-CAB	-2.05	1.43	1.47
14	f	1236	CLA	C3B-CAB	-2.05	1.43	1.47
14	B	1232	CLA	CMC-C2C	-2.05	1.46	1.50
14	3	508	CLA	MG-ND	-2.05	2.01	2.05
14	A	1104	CLA	CAC-C3C	-2.05	1.45	1.51
14	u	503	CLA	C3B-C2B	-2.05	1.37	1.40
14	1	510	CLA	CMC-C2C	-2.05	1.46	1.50
14	f	1204	CLA	MG-ND	-2.05	2.01	2.05
14	f	1235	CLA	MG-ND	-2.05	2.01	2.05
18	G	5008	LHG	P-O6	2.05	1.67	1.59
14	q	503	CLA	C3B-CAB	-2.05	1.43	1.47
14	Z	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	l	1302	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	505	CLA	CMC-C2C	-2.05	1.46	1.50
14	e	1104	CLA	MG-ND	-2.05	2.01	2.05
14	e	1122	CLA	MG-ND	-2.05	2.01	2.05
14	f	1232	CLA	MG-ND	-2.05	2.01	2.05
14	2	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	L	1501	CLA	MG-ND	-2.05	2.01	2.05
14	c	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	G	1104	CLA	MG-ND	-2.05	2.01	2.05
14	H	1236	CLA	C3B-CAB	-2.05	1.43	1.47
21	q	822	SQD	O3-C3	-2.05	1.38	1.43
14	l	519	CLA	CMC-C2C	-2.05	1.46	1.50
14	b	513	CLA	CMD-C2D	-2.05	1.46	1.50
14	q	519	CLA	CMC-C2C	-2.05	1.46	1.50
14	f	1012	CLA	C3B-CAB	-2.05	1.43	1.47
17	H	4017	BCR	C30-C25	-2.05	1.50	1.53
14	Y	519	CLA	CMC-C2C	-2.05	1.46	1.50
14	r	511	CLA	CMC-C2C	-2.05	1.46	1.50
14	A	1128	CLA	C3B-CAB	-2.05	1.43	1.47
17	L	4020	BCR	C10-C9	-2.05	1.33	1.35
14	A	1140	CLA	MG-ND	-2.05	2.01	2.05
14	H	1227	CLA	CMC-C2C	-2.05	1.46	1.50
14	B	1209	CLA	C3B-C2B	-2.05	1.37	1.40
14	Z	513	CLA	CMC-C2C	-2.05	1.46	1.50
14	G	1140	CLA	MG-ND	-2.05	2.01	2.05
14	3	513	CLA	CMD-C2D	-2.05	1.46	1.50
14	G	1104	CLA	CAC-C3C	-2.05	1.45	1.51
14	Y	508	CLA	MG-ND	-2.05	2.01	2.05
14	B	1236	CLA	C3B-CAB	-2.05	1.43	1.47
21	s	822	SQD	O4-C4	-2.05	1.38	1.43
14	l	505	CLA	CMC-C2C	-2.05	1.46	1.50
14	b	506	CLA	CMC-C2C	-2.05	1.46	1.50
14	f	1232	CLA	CMC-C2C	-2.05	1.46	1.50
14	G	1101	CLA	MG-ND	-2.05	2.01	2.05
14	f	1205	CLA	C3B-CAB	-2.05	1.43	1.47
14	s	506	CLA	CMD-C2D	-2.05	1.46	1.50
14	6	513	CLA	CMD-C2D	-2.05	1.46	1.50
14	b	502	CLA	CMD-C2D	-2.05	1.46	1.50
14	q	509	CLA	CMD-C2D	-2.05	1.46	1.50
14	t	510	CLA	CMD-C2D	-2.05	1.46	1.50
14	e	1136	CLA	C3B-CAB	-2.05	1.43	1.47
14	t	517	CLA	CMC-C2C	-2.05	1.46	1.50
14	u	512	CLA	C3B-C2B	-2.05	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	1227	CLA	MG-ND	-2.04	2.01	2.05
14	r	507	CLA	CMC-C2C	-2.04	1.46	1.50
14	A	1119	CLA	C3B-CAB	-2.04	1.43	1.47
14	H	1222	CLA	MG-ND	-2.04	2.01	2.05
14	V	1503	CLA	MG-ND	-2.04	2.01	2.05
14	2	519	CLA	CMD-C2D	-2.04	1.46	1.50
21	a	822	SQD	O4-C4	-2.04	1.38	1.43
14	B	1215	CLA	C3B-CAB	-2.04	1.43	1.47
14	2	506	CLA	C3B-C2B	-2.04	1.37	1.40
14	e	1140	CLA	MG-ND	-2.04	2.01	2.05
21	3	822	SQD	O4-C4	-2.04	1.38	1.43
14	e	1102	CLA	C3B-CAB	-2.04	1.43	1.47
14	2	504	CLA	C3B-C2B	-2.04	1.37	1.40
14	u	509	CLA	CMC-C2C	-2.04	1.46	1.50
14	a	513	CLA	C3B-CAB	-2.04	1.43	1.47
14	q	512	CLA	MG-ND	-2.04	2.01	2.05
18	G	5006	LHG	O7-C5	-2.04	1.41	1.46
14	B	1229	CLA	CMD-C2D	-2.04	1.46	1.50
14	Y	518	CLA	CMD-C2D	-2.04	1.46	1.50
14	A	1139	CLA	C3B-CAB	-2.04	1.43	1.47
14	f	1229	CLA	CMD-C2D	-2.04	1.46	1.50
14	r	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	q	508	CLA	CMD-C2D	-2.04	1.46	1.50
14	A	1119	CLA	C4B-CHC	-2.04	1.35	1.41
14	e	1128	CLA	C3B-CAB	-2.04	1.43	1.47
14	5	506	CLA	CMD-C2D	-2.04	1.46	1.50
14	V	1502	CLA	C3B-C2B	-2.04	1.37	1.40
14	d	513	CLA	C3B-C2B	-2.04	1.37	1.40
14	r	501	CLA	C3B-C2B	-2.04	1.37	1.40
21	v	822	SQD	O3-C3	-2.04	1.38	1.43
14	1	512	CLA	MG-ND	-2.04	2.01	2.05
14	f	1227	CLA	MG-ND	-2.04	2.01	2.05
14	1	516	CLA	C3B-C2B	-2.04	1.37	1.40
14	l	1302	CLA	C3B-CAB	-2.04	1.43	1.47
14	H	1229	CLA	CMD-C2D	-2.04	1.46	1.50
14	4	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	B	1235	CLA	MG-ND	-2.04	2.01	2.05
14	H	1215	CLA	C3B-CAB	-2.04	1.43	1.47
14	b	508	CLA	C3B-CAB	-2.04	1.43	1.47
14	B	1222	CLA	MG-ND	-2.04	2.01	2.05
21	u	822	SQD	O3-C3	-2.04	1.38	1.43
14	3	510	CLA	C3B-CAB	-2.04	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1119	CLA	C4B-CHC	-2.04	1.35	1.41
14	Z	504	CLA	C3B-C2B	-2.04	1.37	1.40
14	f	1219	CLA	MG-ND	-2.04	2.01	2.05
14	e	1119	CLA	C4B-CHC	-2.04	1.35	1.41
14	l	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	6	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	517	CLA	CMC-C2C	-2.04	1.46	1.50
14	l	1302	CLA	CMD-C2D	-2.04	1.46	1.50
14	G	1102	CLA	C3B-CAB	-2.04	1.43	1.47
14	Y	516	CLA	O2A-CGA	2.04	1.37	1.30
14	5	510	CLA	CMC-C2C	-2.04	1.46	1.50
14	A	1102	CLA	C3B-CAB	-2.04	1.43	1.47
14	G	1119	CLA	C3B-CAB	-2.04	1.43	1.47
14	c	501	CLA	CMD-C2D	-2.04	1.46	1.50
21	c	822	SQD	O3-C3	-2.04	1.38	1.43
14	H	1219	CLA	MG-ND	-2.04	2.01	2.05
14	4	517	CLA	CMC-C2C	-2.04	1.46	1.50
14	u	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	c	517	CLA	C3B-C2B	-2.03	1.37	1.40
14	u	504	CLA	CMD-C2D	-2.03	1.46	1.50
14	v	504	CLA	CMC-C2C	-2.03	1.46	1.50
21	5	822	SQD	O3-C3	-2.03	1.38	1.43
17	B	4017	BCR	C30-C25	-2.03	1.51	1.53
17	c	523	BCR	C1-C6	-2.03	1.51	1.53
14	A	1120	CLA	CAC-C3C	-2.03	1.45	1.51
14	f	1215	CLA	C3B-CAB	-2.03	1.43	1.47
14	Y	511	CLA	C3B-C2B	-2.03	1.37	1.40
14	2	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	q	516	CLA	O2A-CGA	2.03	1.37	1.30
14	Y	505	CLA	CMC-C2C	-2.03	1.46	1.50
14	A	1101	CLA	MG-ND	-2.03	2.01	2.05
14	r	507	CLA	MG-ND	-2.03	2.01	2.05
14	e	1139	CLA	C3B-CAB	-2.03	1.43	1.47
14	e	1103	CLA	CAC-C3C	-2.03	1.45	1.51
14	Z	511	CLA	CMC-C2C	-2.03	1.46	1.50
14	c	504	CLA	CMD-C2D	-2.03	1.46	1.50
14	s	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	505	CLA	MG-ND	-2.03	2.01	2.05
14	l	503	CLA	C3B-CAB	-2.03	1.43	1.47
14	H	1012	CLA	C3B-CAB	-2.03	1.43	1.47
14	H	1235	CLA	MG-ND	-2.03	2.01	2.05
21	l	822	SQD	O3-C3	-2.03	1.38	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	t	505	CLA	MG-ND	-2.03	2.01	2.05
14	2	511	CLA	CMC-C2C	-2.03	1.46	1.50
14	Y	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	b	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	v	505	CLA	CMC-C2C	-2.03	1.46	1.50
14	T	1302	CLA	C3B-CAB	-2.03	1.43	1.47
14	Y	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	t	502	CLA	CMD-C2D	-2.03	1.46	1.50
14	H	1232	CLA	CMC-C2C	-2.03	1.46	1.50
14	v	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	Y	517	CLA	CMC-C2C	-2.03	1.46	1.50
14	u	505	CLA	MG-ND	-2.03	2.01	2.05
14	q	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	1219	CLA	MG-ND	-2.03	2.01	2.05
14	G	1111	CLA	C3B-C2B	-2.03	1.37	1.40
18	e	5006	LHG	O7-C5	-2.02	1.41	1.46
14	Y	507	CLA	CMC-C2C	-2.02	1.46	1.50
14	G	1128	CLA	C3B-CAB	-2.02	1.43	1.47
14	B	1012	CLA	C3B-CAB	-2.02	1.43	1.47
14	b	503	CLA	C3B-C2B	-2.02	1.37	1.40
14	c	505	CLA	MG-ND	-2.02	2.01	2.05
20	H	5002	LMG	O1-C7	-2.02	1.40	1.43
14	4	503	CLA	C3B-C2B	-2.02	1.37	1.40
14	5	512	CLA	C3B-C2B	-2.02	1.37	1.40
14	c	512	CLA	C3B-C2B	-2.02	1.37	1.40
14	5	509	CLA	CMC-C2C	-2.02	1.46	1.50
14	Z	501	CLA	CMD-C2D	-2.02	1.46	1.50
14	c	510	CLA	CMC-C2C	-2.02	1.46	1.50
14	t	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	2	507	CLA	CMC-C2C	-2.02	1.46	1.50
14	3	501	CLA	CMD-C2D	-2.02	1.46	1.50
14	6	510	CLA	CMC-C2C	-2.02	1.46	1.50
14	e	1101	CLA	MG-ND	-2.02	2.01	2.05
14	1	517	CLA	CMC-C2C	-2.02	1.46	1.50
14	Y	509	CLA	MG-ND	-2.02	2.01	2.05
14	1	516	CLA	O2A-CGA	2.02	1.37	1.30
14	1	510	CLA	C3B-C2B	-2.02	1.37	1.40
14	5	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	Y	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	t	505	CLA	CMC-C2C	-2.02	1.46	1.50
14	Z	506	CLA	C3B-C2B	-2.02	1.37	1.40
14	t	503	CLA	C3B-C2B	-2.02	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	1136	CLA	C3B-CAB	-2.02	1.43	1.47
14	3	517	CLA	C3B-C2B	-2.02	1.37	1.40
14	b	517	CLA	CMD-C2D	-2.02	1.46	1.50
14	c	508	CLA	C4B-CHC	-2.02	1.35	1.41
14	e	1122	CLA	C4B-CHC	-2.02	1.35	1.41
17	5	523	BCR	C1-C6	-2.02	1.51	1.53
14	t	508	CLA	C3B-CAB	-2.02	1.43	1.47
14	Z	502	CLA	CMC-C2C	-2.02	1.46	1.50
14	Z	501	CLA	C3B-C2B	-2.02	1.37	1.40
14	n	1502	CLA	C3B-C2B	-2.02	1.37	1.40
14	H	1207	CLA	C3B-C2B	-2.02	1.37	1.40
18	A	5006	LHG	O7-C5	-2.02	1.41	1.46
14	a	501	CLA	CMD-C2D	-2.02	1.46	1.50
14	B	1210	CLA	C3B-CAB	-2.02	1.43	1.47
14	a	504	CLA	CMC-C2C	-2.02	1.46	1.50
14	G	1120	CLA	CAC-C3C	-2.02	1.45	1.51
14	1	509	CLA	MG-ND	-2.02	2.01	2.05
14	4	506	CLA	CMC-C2C	-2.02	1.46	1.50
14	v	517	CLA	CMC-C2C	-2.02	1.46	1.50
14	H	1227	CLA	MG-ND	-2.02	2.01	2.05
14	u	504	CLA	C3B-C2B	-2.02	1.37	1.40
14	4	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	H	1208	CLA	CMC-C2C	-2.02	1.46	1.50
14	6	504	CLA	CMC-C2C	-2.02	1.46	1.50
14	s	505	CLA	CMC-C2C	-2.02	1.46	1.50
14	q	509	CLA	MG-ND	-2.02	2.01	2.05
14	Y	504	CLA	C3B-CAB	-2.02	1.43	1.47
14	b	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	v	510	CLA	CMC-C2C	-2.01	1.46	1.50
14	3	518	CLA	C3B-C2B	-2.01	1.37	1.40
14	2	507	CLA	MG-ND	-2.01	2.01	2.05
14	f	1222	CLA	MG-ND	-2.01	2.01	2.05
14	A	1103	CLA	CAC-C3C	-2.01	1.45	1.51
14	d	504	CLA	CMC-C2C	-2.01	1.46	1.50
14	r	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	v	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	c	504	CLA	C3B-C2B	-2.01	1.37	1.40
14	H	1234	CLA	C3B-CAB	-2.01	1.43	1.47
14	Z	510	CLA	CMC-C2C	-2.01	1.46	1.50
14	4	517	CLA	CMD-C2D	-2.01	1.46	1.50
14	Y	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	c	509	CLA	CMC-C2C	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	r	505	CLA	CMC-C2C	-2.01	1.46	1.50
14	t	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	t	506	CLA	CMD-C2D	-2.01	1.46	1.50
17	H	4017	BCR	C17-C18	-2.01	1.33	1.35
14	b	509	CLA	CMC-C2C	-2.01	1.46	1.50
14	A	1013	CLA	CAC-C3C	-2.01	1.45	1.51
14	A	1105	CLA	MG-ND	-2.01	2.01	2.05
14	q	507	CLA	CMC-C2C	-2.01	1.46	1.50
14	r	518	CLA	CMC-C2C	-2.01	1.46	1.50
14	l	508	CLA	C4B-CHC	-2.01	1.35	1.41
14	d	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	Y	510	CLA	C3B-C2B	-2.01	1.37	1.40
14	v	513	CLA	C3B-C2B	-2.01	1.37	1.40
14	l	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	2	505	CLA	CMC-C2C	-2.01	1.46	1.50
14	4	513	CLA	CMC-C2C	-2.01	1.46	1.50
14	6	505	CLA	CMC-C2C	-2.01	1.46	1.50
14	Z	518	CLA	CMC-C2C	-2.01	1.46	1.50
14	Y	503	CLA	C3B-CAB	-2.01	1.43	1.47
14	3	504	CLA	CMC-C2C	-2.01	1.46	1.50
14	6	517	CLA	CMC-C2C	-2.01	1.46	1.50
14	b	511	CLA	CMC-C2C	-2.01	1.46	1.50
14	A	1108	CLA	C3B-CAB	-2.01	1.43	1.47
14	5	504	CLA	C3B-C2B	-2.01	1.37	1.40
14	b	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	Z	502	CLA	C3B-CAB	-2.01	1.43	1.47
20	B	5002	LMG	O1-C7	-2.01	1.40	1.43
14	A	1108	CLA	C3B-C2B	-2.01	1.37	1.40
14	a	517	CLA	C3B-C2B	-2.01	1.37	1.40
14	u	504	CLA	CMC-C2C	-2.01	1.46	1.50
14	G	1013	CLA	CAC-C3C	-2.01	1.46	1.51
14	J	1302	CLA	C3B-CAB	-2.01	1.43	1.47
14	H	1210	CLA	C3B-CAB	-2.01	1.43	1.47
14	A	1118	CLA	C3B-C2B	-2.01	1.37	1.40
14	a	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	v	517	CLA	C3B-CAB	-2.01	1.43	1.47
14	5	505	CLA	MG-ND	-2.01	2.01	2.05
14	2	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	l	1303	CLA	C3B-CAB	-2.01	1.43	1.47
14	4	511	CLA	CMC-C2C	-2.01	1.46	1.50
14	v	512	CLA	CMC-C2C	-2.01	1.46	1.50
14	B	1207	CLA	C3B-C2B	-2.01	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	1013	CLA	CAC-C3C	-2.01	1.46	1.51
17	f	4014	BCR	C10-C9	-2.01	1.33	1.35
14	e	1120	CLA	CAC-C3C	-2.01	1.46	1.51
14	4	509	CLA	CMC-C2C	-2.01	1.46	1.50
14	q	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	e	1118	CLA	C3B-C2B	-2.01	1.37	1.40
14	A	1136	CLA	MG-ND	-2.01	2.01	2.05
14	5	508	CLA	C4B-CHC	-2.01	1.35	1.41
14	G	1103	CLA	CAC-C3C	-2.01	1.46	1.51
14	l	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	Z	507	CLA	CMC-C2C	-2.01	1.46	1.50
14	t	509	CLA	CMC-C2C	-2.01	1.46	1.50
14	a	518	CLA	C3B-C2B	-2.00	1.37	1.40
14	u	508	CLA	C4B-CHC	-2.00	1.35	1.41
14	2	510	CLA	CMC-C2C	-2.00	1.46	1.50
14	t	506	CLA	CMC-C2C	-2.00	1.46	1.50
14	6	506	CLA	CMD-C2D	-2.00	1.46	1.50
14	d	512	CLA	CMC-C2C	-2.00	1.46	1.50
14	q	519	CLA	C3B-CAB	-2.00	1.43	1.47
14	f	1219	CLA	CMC-C2C	-2.00	1.46	1.50
14	e	1105	CLA	MG-ND	-2.00	2.01	2.05
14	Y	516	CLA	C3B-C2B	-2.00	1.37	1.40
14	f	1229	CLA	C3B-CAB	-2.00	1.43	1.47
14	l	507	CLA	CMC-C2C	-2.00	1.46	1.50
14	f	1234	CLA	C3B-CAB	-2.00	1.43	1.47
14	4	505	CLA	CMC-C2C	-2.00	1.46	1.50
14	d	503	CLA	C3B-C2B	-2.00	1.37	1.40
14	q	516	CLA	C3B-C2B	-2.00	1.37	1.40
14	H	1219	CLA	CMC-C2C	-2.00	1.46	1.50
14	l	511	CLA	C3B-CAB	-2.00	1.43	1.47
14	e	1108	CLA	C3B-CAB	-2.00	1.43	1.47
14	G	1108	CLA	CMC-C2C	-2.00	1.46	1.50
14	s	517	CLA	C3B-C2B	-2.00	1.37	1.40
14	3	505	CLA	MG-ND	-2.00	2.01	2.05
14	A	1108	CLA	CMC-C2C	-2.00	1.46	1.50
14	Y	502	CLA	CMC-C2C	-2.00	1.46	1.50
14	d	505	CLA	CMC-C2C	-2.00	1.46	1.50
14	q	511	CLA	CMC-C2C	-2.00	1.46	1.50
14	r	510	CLA	CMC-C2C	-2.00	1.46	1.50
17	B	4014	BCR	C10-C9	-2.00	1.33	1.35
14	s	502	CLA	CMC-C2C	-2.00	1.46	1.50
14	G	1122	CLA	C4B-CHC	-2.00	1.35	1.41

All (7680) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1023	CLA	C4A-NA-C1A	9.67	111.06	106.71
14	B	1023	CLA	C4A-NA-C1A	9.59	111.02	106.71
14	f	1023	CLA	C4A-NA-C1A	9.53	110.99	106.71
15	G	2001	PQN	C11-C12-C13	-9.51	110.96	126.79
15	A	2001	PQN	C11-C12-C13	-9.50	110.98	126.79
15	e	2001	PQN	C11-C12-C13	-9.49	110.99	126.79
15	f	2002	PQN	C11-C12-C13	-9.11	111.63	126.79
15	B	2002	PQN	C11-C12-C13	-9.10	111.64	126.79
15	H	2002	PQN	C11-C12-C13	-9.09	111.67	126.79
14	e	1103	CLA	C4A-NA-C1A	8.34	110.46	106.71
17	G	4008	BCR	C24-C23-C22	-8.34	113.63	126.23
17	e	4008	BCR	C24-C23-C22	-8.32	113.66	126.23
17	A	4008	BCR	C24-C23-C22	-8.32	113.66	126.23
14	A	1103	CLA	C4A-NA-C1A	8.32	110.45	106.71
14	G	1103	CLA	C4A-NA-C1A	8.31	110.44	106.71
14	f	1239	CLA	C4A-NA-C1A	8.20	110.39	106.71
14	H	1239	CLA	C4A-NA-C1A	8.14	110.37	106.71
14	B	1239	CLA	C4A-NA-C1A	8.12	110.36	106.71
14	G	1109	CLA	C4A-NA-C1A	7.99	110.30	106.71
14	A	1109	CLA	C4A-NA-C1A	7.99	110.30	106.71
14	G	1101	CLA	C4A-NA-C1A	7.97	110.29	106.71
14	H	1214	CLA	C4A-NA-C1A	7.94	110.28	106.71
14	n	1503	CLA	C4A-NA-C1A	7.93	110.27	106.71
14	Z	502	CLA	C4A-NA-C1A	7.91	110.26	106.71
14	e	1109	CLA	C4A-NA-C1A	7.91	110.26	106.71
14	H	1226	CLA	CMB-C2B-C1B	-7.91	116.31	128.46
14	f	1226	CLA	CMB-C2B-C1B	-7.89	116.34	128.46
14	B	1226	CLA	CMB-C2B-C1B	-7.88	116.35	128.46
14	L	1503	CLA	C4A-NA-C1A	7.88	110.25	106.71
14	B	1214	CLA	C4A-NA-C1A	7.87	110.25	106.71
14	e	1101	CLA	C4A-NA-C1A	7.87	110.25	106.71
14	A	1115	CLA	C4A-NA-C1A	7.86	110.24	106.71
14	f	1214	CLA	C4A-NA-C1A	7.85	110.24	106.71
14	B	1205	CLA	C4A-NA-C1A	7.85	110.24	106.71
14	s	502	CLA	C4A-NA-C1A	7.85	110.23	106.71
14	V	1503	CLA	C4A-NA-C1A	7.85	110.23	106.71
14	2	502	CLA	C4A-NA-C1A	7.83	110.22	106.71
14	f	1205	CLA	C4A-NA-C1A	7.82	110.22	106.71
14	G	1115	CLA	C4A-NA-C1A	7.81	110.22	106.71
14	r	502	CLA	C4A-NA-C1A	7.81	110.22	106.71
14	A	1101	CLA	C4A-NA-C1A	7.81	110.22	106.71
14	3	502	CLA	C4A-NA-C1A	7.79	110.21	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1201	CLA	C4A-NA-C1A	7.78	110.20	106.71
14	a	502	CLA	C4A-NA-C1A	7.78	110.20	106.71
14	t	502	CLA	C4A-NA-C1A	7.78	110.20	106.71
14	f	1201	CLA	C4A-NA-C1A	7.77	110.20	106.71
14	e	1115	CLA	C4A-NA-C1A	7.77	110.20	106.71
14	H	1205	CLA	C4A-NA-C1A	7.76	110.19	106.71
14	q	508	CLA	C4A-NA-C1A	7.76	110.19	106.71
14	G	1137	CLA	C4A-NA-C1A	7.74	110.19	106.71
14	f	1215	CLA	C4A-NA-C1A	7.74	110.18	106.71
14	A	1137	CLA	C4A-NA-C1A	7.72	110.18	106.71
14	H	1201	CLA	C4A-NA-C1A	7.72	110.18	106.71
14	b	502	CLA	C4A-NA-C1A	7.72	110.17	106.71
14	4	502	CLA	C4A-NA-C1A	7.70	110.17	106.71
14	e	1237	CLA	C4A-NA-C1A	7.70	110.17	106.71
14	Z	501	CLA	C4A-NA-C1A	7.68	110.16	106.71
14	e	1137	CLA	C4A-NA-C1A	7.68	110.16	106.71
14	G	1013	CLA	CMB-C2B-C1B	-7.68	116.66	128.46
14	A	1013	CLA	CMB-C2B-C1B	-7.67	116.67	128.46
14	5	502	CLA	C4A-NA-C1A	7.67	110.15	106.71
14	e	1013	CLA	CMB-C2B-C1B	-7.67	116.68	128.46
14	B	1215	CLA	C4A-NA-C1A	7.66	110.15	106.71
14	f	1213	CLA	C4A-NA-C1A	7.66	110.15	106.71
14	H	1215	CLA	C4A-NA-C1A	7.63	110.14	106.71
14	1	508	CLA	C4A-NA-C1A	7.63	110.14	106.71
14	G	1104	CLA	C4A-NA-C1A	7.63	110.14	106.71
14	A	1120	CLA	C4A-NA-C1A	7.62	110.13	106.71
14	A	1237	CLA	C4A-NA-C1A	7.62	110.13	106.71
14	G	1237	CLA	C4A-NA-C1A	7.61	110.13	106.71
14	B	1213	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	H	1212	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	A	1122	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	Y	508	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	2	501	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	H	1213	CLA	C4A-NA-C1A	7.60	110.12	106.71
14	e	1104	CLA	C4A-NA-C1A	7.59	110.12	106.71
14	r	501	CLA	C4A-NA-C1A	7.58	110.11	106.71
14	c	502	CLA	C4A-NA-C1A	7.58	110.11	106.71
14	l	1303	CLA	C4A-NA-C1A	7.58	110.11	106.71
14	A	1104	CLA	C4A-NA-C1A	7.57	110.11	106.71
14	1	502	CLA	C4A-NA-C1A	7.56	110.10	106.71
14	u	502	CLA	C4A-NA-C1A	7.55	110.10	106.71
14	G	1120	CLA	C4A-NA-C1A	7.54	110.10	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1120	CLA	C4A-NA-C1A	7.54	110.10	106.71
14	q	502	CLA	C4A-NA-C1A	7.54	110.10	106.71
14	H	1218	CLA	C4A-NA-C1A	7.54	110.10	106.71
14	e	1122	CLA	C4A-NA-C1A	7.54	110.09	106.71
14	d	502	CLA	C4A-NA-C1A	7.53	110.09	106.71
14	v	501	CLA	C4A-NA-C1A	7.52	110.09	106.71
14	G	1133	CLA	C4A-NA-C1A	7.52	110.08	106.71
14	f	1212	CLA	C4A-NA-C1A	7.52	110.08	106.71
14	e	1133	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	G	1122	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	G	1118	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	f	1223	CLA	C4A-NA-C1A	7.50	110.08	106.71
14	J	1303	CLA	C4A-NA-C1A	7.49	110.07	106.71
14	Y	502	CLA	C4A-NA-C1A	7.49	110.07	106.71
14	e	1118	CLA	C4A-NA-C1A	7.49	110.07	106.71
14	6	502	CLA	C4A-NA-C1A	7.48	110.07	106.71
14	u	508	CLA	C4A-NA-C1A	7.48	110.07	106.71
14	B	1212	CLA	C4A-NA-C1A	7.48	110.07	106.71
14	T	1303	CLA	C4A-NA-C1A	7.47	110.06	106.71
14	6	501	CLA	C4A-NA-C1A	7.47	110.06	106.71
14	d	501	CLA	C4A-NA-C1A	7.46	110.06	106.71
14	A	1118	CLA	C4A-NA-C1A	7.46	110.06	106.71
14	Y	518	CLA	C4A-NA-C1A	7.46	110.06	106.71
14	B	1223	CLA	C4A-NA-C1A	7.45	110.06	106.71
14	A	1133	CLA	C4A-NA-C1A	7.45	110.06	106.71
14	u	501	CLA	C4A-NA-C1A	7.45	110.06	106.71
14	b	517	CLA	C4A-NA-C1A	7.44	110.05	106.71
14	f	1218	CLA	C4A-NA-C1A	7.44	110.05	106.71
14	A	1112	CLA	C4A-NA-C1A	7.44	110.05	106.71
14	4	517	CLA	C4A-NA-C1A	7.44	110.05	106.71
14	v	502	CLA	C4A-NA-C1A	7.44	110.05	106.71
14	5	508	CLA	C4A-NA-C1A	7.43	110.05	106.71
14	5	501	CLA	C4A-NA-C1A	7.41	110.04	106.71
14	e	1112	CLA	C4A-NA-C1A	7.40	110.03	106.71
14	H	1220	CLA	C4A-NA-C1A	7.39	110.03	106.71
14	B	1218	CLA	C4A-NA-C1A	7.39	110.03	106.71
14	c	508	CLA	C4A-NA-C1A	7.39	110.03	106.71
14	v	503	CLA	C4A-NA-C1A	7.39	110.03	106.71
14	H	1223	CLA	C4A-NA-C1A	7.38	110.03	106.71
14	G	1134	CLA	C4A-NA-C1A	7.38	110.02	106.71
14	Y	501	CLA	C4A-NA-C1A	7.38	110.02	106.71
14	6	503	CLA	C4A-NA-C1A	7.37	110.02	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	t	517	CLA	C4A-NA-C1A	7.37	110.02	106.71
14	l	501	CLA	C4A-NA-C1A	7.36	110.02	106.71
14	l	518	CLA	C4A-NA-C1A	7.36	110.01	106.71
14	H	1211	CLA	C4A-NA-C1A	7.36	110.01	106.71
14	A	1140	CLA	C4A-NA-C1A	7.35	110.01	106.71
15	B	2002	PQN	C15-C13-C12	-7.34	106.26	121.12
14	B	1220	CLA	C4A-NA-C1A	7.34	110.01	106.71
14	G	1112	CLA	C4A-NA-C1A	7.34	110.01	106.71
15	H	2002	PQN	C15-C13-C12	-7.34	106.26	121.12
14	H	1228	CLA	C4A-NA-C1A	7.34	110.00	106.71
14	B	1228	CLA	C4A-NA-C1A	7.34	110.00	106.71
14	f	1211	CLA	C4A-NA-C1A	7.33	110.00	106.71
14	f	1228	CLA	C4A-NA-C1A	7.33	110.00	106.71
14	J	1302	CLA	C4A-NA-C1A	7.32	110.00	106.71
14	4	501	CLA	C4A-NA-C1A	7.32	110.00	106.71
14	e	1134	CLA	C4A-NA-C1A	7.32	110.00	106.71
15	f	2002	PQN	C15-C13-C12	-7.32	106.30	121.12
14	A	1134	CLA	C4A-NA-C1A	7.32	110.00	106.71
14	A	1119	CLA	C4A-NA-C1A	7.32	110.00	106.71
14	n	1502	CLA	C4A-NA-C1A	7.31	109.99	106.71
14	e	1126	CLA	C4A-NA-C1A	7.31	109.99	106.71
14	q	501	CLA	C4A-NA-C1A	7.31	109.99	106.71
14	5	504	CLA	C4A-NA-C1A	7.31	109.99	106.71
14	c	501	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	f	1220	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	l	1302	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	t	501	CLA	C4A-NA-C1A	7.30	109.99	106.71
14	e	1119	CLA	C4A-NA-C1A	7.29	109.98	106.71
14	e	1140	CLA	C4A-NA-C1A	7.29	109.98	106.71
14	G	1126	CLA	C4A-NA-C1A	7.29	109.98	106.71
14	4	509	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	G	1119	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	d	503	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	f	1204	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	G	1140	CLA	C4A-NA-C1A	7.28	109.98	106.71
14	T	1302	CLA	C4A-NA-C1A	7.27	109.98	106.71
14	a	509	CLA	C4A-NA-C1A	7.27	109.97	106.71
14	B	1211	CLA	C4A-NA-C1A	7.26	109.97	106.71
14	r	517	CLA	C4A-NA-C1A	7.26	109.97	106.71
14	q	518	CLA	C4A-NA-C1A	7.26	109.97	106.71
14	b	501	CLA	C4A-NA-C1A	7.26	109.97	106.71
14	3	509	CLA	C4A-NA-C1A	7.25	109.97	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L	1502	CLA	C4A-NA-C1A	7.25	109.97	106.71
14	A	1126	CLA	C4A-NA-C1A	7.25	109.96	106.71
14	c	504	CLA	C4A-NA-C1A	7.25	109.96	106.71
14	Y	505	CLA	C4A-NA-C1A	7.24	109.96	106.71
14	H	1204	CLA	C4A-NA-C1A	7.24	109.96	106.71
14	2	517	CLA	C4A-NA-C1A	7.23	109.96	106.71
14	5	507	CLA	C4A-NA-C1A	7.23	109.96	106.71
17	n	4019	BCR	C24-C23-C22	-7.23	115.31	126.23
14	B	1204	CLA	C4A-NA-C1A	7.23	109.95	106.71
14	A	1128	CLA	CMB-C2B-C1B	-7.22	117.37	128.46
14	Z	519	CLA	C4A-NA-C1A	7.21	109.95	106.71
17	L	4019	BCR	C24-C23-C22	-7.20	115.35	126.23
17	V	4019	BCR	C24-C23-C22	-7.20	115.35	126.23
14	e	1128	CLA	CMB-C2B-C1B	-7.20	117.39	128.46
14	u	504	CLA	C4A-NA-C1A	7.20	109.94	106.71
14	s	509	CLA	C4A-NA-C1A	7.20	109.94	106.71
14	t	509	CLA	C4A-NA-C1A	7.20	109.94	106.71
14	G	1128	CLA	CMB-C2B-C1B	-7.19	117.41	128.46
14	1	505	CLA	C4A-NA-C1A	7.19	109.94	106.71
14	Z	517	CLA	C4A-NA-C1A	7.19	109.94	106.71
14	u	507	CLA	C4A-NA-C1A	7.18	109.93	106.71
14	b	509	CLA	C4A-NA-C1A	7.18	109.93	106.71
14	r	503	CLA	C4A-NA-C1A	7.18	109.93	106.71
14	Z	503	CLA	C4A-NA-C1A	7.17	109.93	106.71
14	2	519	CLA	C4A-NA-C1A	7.17	109.93	106.71
14	V	1502	CLA	C4A-NA-C1A	7.16	109.92	106.71
14	u	503	CLA	C4A-NA-C1A	7.15	109.92	106.71
14	4	513	CLA	C4A-NA-C1A	7.15	109.92	106.71
14	r	506	CLA	C4A-NA-C1A	7.15	109.92	106.71
14	a	506	CLA	C4A-NA-C1A	7.14	109.92	106.71
14	c	507	CLA	C4A-NA-C1A	7.14	109.92	106.71
14	t	519	CLA	C4A-NA-C1A	7.14	109.92	106.71
14	2	503	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	b	518	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	4	519	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	Y	507	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	c	519	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	d	506	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	4	506	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	f	1206	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	t	518	CLA	C4A-NA-C1A	7.12	109.91	106.71
14	s	519	CLA	C4A-NA-C1A	7.11	109.90	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	503	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	e	1113	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	A	1113	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	4	518	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	a	513	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	b	513	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	r	519	CLA	C4A-NA-C1A	7.10	109.90	106.71
14	H	1206	CLA	C4A-NA-C1A	7.10	109.90	106.71
14	q	505	CLA	C4A-NA-C1A	7.10	109.90	106.71
14	e	1013	CLA	C4A-NA-C1A	7.10	109.90	106.71
14	B	1206	CLA	C4A-NA-C1A	7.10	109.90	106.71
14	a	501	CLA	C4A-NA-C1A	7.09	109.89	106.71
14	q	507	CLA	C4A-NA-C1A	7.09	109.89	106.71
14	2	506	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	b	506	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	e	1108	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	e	1125	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	s	501	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	G	1013	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	t	513	CLA	C4A-NA-C1A	7.08	109.89	106.71
14	A	1125	CLA	C4A-NA-C1A	7.07	109.89	106.71
14	b	519	CLA	C4A-NA-C1A	7.07	109.89	106.71
14	c	505	CLA	C4A-NA-C1A	7.07	109.89	106.71
14	s	504	CLA	C4A-NA-C1A	7.07	109.89	106.71
14	H	1238	CLA	C4A-NA-C1A	7.07	109.88	106.71
14	e	1111	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	5	503	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	6	506	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	A	1111	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	B	1202	CLA	C4A-NA-C1A	7.05	109.88	106.71
14	3	519	CLA	C4A-NA-C1A	7.05	109.88	106.71
14	3	504	CLA	C4A-NA-C1A	7.05	109.88	106.71
14	3	513	CLA	C4A-NA-C1A	7.05	109.88	106.71
14	d	511	CLA	C4A-NA-C1A	7.05	109.88	106.71
14	1	507	CLA	C4A-NA-C1A	7.05	109.87	106.71
14	3	506	CLA	C4A-NA-C1A	7.05	109.87	106.71
14	5	519	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	Z	505	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	a	507	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	f	1202	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	4	503	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	t	510	CLA	C4A-NA-C1A	7.04	109.87	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1113	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	t	503	CLA	C4A-NA-C1A	7.04	109.87	106.71
14	A	1013	CLA	C4A-NA-C1A	7.03	109.87	106.71
14	A	1138	CLA	C4A-NA-C1A	7.03	109.87	106.71
14	b	503	CLA	C4A-NA-C1A	7.03	109.87	106.71
14	A	1108	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	G	1138	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	6	511	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	a	519	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	B	1217	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	G	1111	CLA	C4A-NA-C1A	7.02	109.86	106.71
14	Z	506	CLA	C4A-NA-C1A	7.01	109.86	106.71
14	v	506	CLA	C4A-NA-C1A	7.01	109.86	106.71
14	v	511	CLA	C4A-NA-C1A	7.01	109.86	106.71
14	5	505	CLA	C4A-NA-C1A	7.00	109.86	106.71
14	G	1125	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	s	506	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	u	519	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	t	507	CLA	C4A-NA-C1A	7.00	109.85	106.71
14	t	506	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	f	1238	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	Z	504	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	K	1103	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	3	501	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	2	505	CLA	C4A-NA-C1A	6.98	109.85	106.71
14	Y	504	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	Y	511	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	a	504	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	3	507	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	U	1103	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	d	518	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	f	1217	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	q	504	CLA	C4A-NA-C1A	6.97	109.84	106.71
14	s	513	CLA	C4A-NA-C1A	6.97	109.84	106.71
14	d	509	CLA	C4A-NA-C1A	6.97	109.84	106.71
14	6	509	CLA	C4A-NA-C1A	6.96	109.84	106.71
14	s	511	CLA	C4A-NA-C1A	6.96	109.84	106.71
14	H	1217	CLA	C4A-NA-C1A	6.96	109.83	106.71
14	r	518	CLA	C4A-NA-C1A	6.96	109.83	106.71
14	3	511	CLA	C4A-NA-C1A	6.96	109.83	106.71
14	s	507	CLA	C4A-NA-C1A	6.96	109.83	106.71
14	H	1202	CLA	C4A-NA-C1A	6.95	109.83	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1231	CLA	C4A-NA-C1A	6.95	109.83	106.71
14	G	1108	CLA	C4A-NA-C1A	6.95	109.83	106.71
14	Y	517	CLA	C4A-NA-C1A	6.94	109.83	106.71
14	v	508	CLA	C4A-NA-C1A	6.94	109.83	106.71
14	a	511	CLA	C4A-NA-C1A	6.94	109.83	106.71
14	b	507	CLA	C4A-NA-C1A	6.94	109.83	106.71
14	u	506	CLA	C4A-NA-C1A	6.94	109.83	106.71
14	B	1238	CLA	C4A-NA-C1A	6.94	109.82	106.71
14	r	504	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	G	1130	CLA	CMB-C2B-C1B	-6.93	117.81	128.46
14	1	504	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	4	510	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	6	508	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	f	1235	CLA	C4A-NA-C1A	6.93	109.82	106.71
14	B	1231	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	3	518	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	G	1110	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	1	511	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	Z	518	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	2	518	CLA	C4A-NA-C1A	6.92	109.82	106.71
14	A	1130	CLA	CMB-C2B-C1B	-6.91	117.84	128.46
14	e	1130	CLA	CMB-C2B-C1B	-6.91	117.84	128.46
14	m	1103	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	4	507	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	t	512	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	d	508	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	u	509	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	b	512	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	6	518	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	e	1138	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	s	505	CLA	C4A-NA-C1A	6.89	109.80	106.71
14	u	505	CLA	C4A-NA-C1A	6.89	109.80	106.71
14	2	504	CLA	C4A-NA-C1A	6.88	109.80	106.71
14	6	504	CLA	C4A-NA-C1A	6.88	109.80	106.71
14	f	1231	CLA	C4A-NA-C1A	6.88	109.80	106.71
14	B	1235	CLA	C4A-NA-C1A	6.88	109.80	106.71
14	5	506	CLA	C4A-NA-C1A	6.88	109.80	106.71
14	Z	509	CLA	C4A-NA-C1A	6.87	109.80	106.71
14	v	509	CLA	C4A-NA-C1A	6.87	109.80	106.71
14	a	505	CLA	C4A-NA-C1A	6.86	109.79	106.71
14	f	1209	CLA	C4A-NA-C1A	6.86	109.79	106.71
14	r	505	CLA	C4A-NA-C1A	6.86	109.79	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	510	CLA	C4A-NA-C1A	6.86	109.79	106.71
14	v	518	CLA	C4A-NA-C1A	6.85	109.79	106.71
14	4	512	CLA	C4A-NA-C1A	6.85	109.79	106.71
14	a	518	CLA	C4A-NA-C1A	6.85	109.79	106.71
14	3	505	CLA	C4A-NA-C1A	6.85	109.78	106.71
14	q	517	CLA	C4A-NA-C1A	6.85	109.78	106.71
14	B	1224	CLA	C4A-NA-C1A	6.85	109.78	106.71
14	4	504	CLA	C4A-NA-C1A	6.85	109.78	106.71
14	6	513	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	d	504	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	f	1229	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	d	507	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	v	504	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	v	517	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	1	517	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	6	517	CLA	C4A-NA-C1A	6.83	109.78	106.71
14	B	1229	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	H	1221	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	u	510	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	2	509	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	Y	503	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	s	518	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	A	1110	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	5	509	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	1	503	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	H	1235	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	q	511	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	v	513	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	B	1209	CLA	C4A-NA-C1A	6.81	109.77	106.71
14	d	517	CLA	C4A-NA-C1A	6.81	109.77	106.71
14	H	1229	CLA	C4A-NA-C1A	6.81	109.77	106.71
14	c	506	CLA	C4A-NA-C1A	6.81	109.77	106.71
14	H	1240	CLA	C4A-NA-C1A	6.80	109.76	106.71
14	t	504	CLA	C4A-NA-C1A	6.80	109.76	106.71
14	Z	516	CLA	C4A-NA-C1A	6.80	109.76	106.71
14	r	509	CLA	C4A-NA-C1A	6.79	109.76	106.71
14	a	516	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	6	507	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	B	1221	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	e	1110	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	f	1224	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	q	503	CLA	C4A-NA-C1A	6.78	109.75	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	510	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	c	510	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	q	513	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	Y	513	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	c	509	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	B	1240	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	6	505	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	Z	508	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	b	504	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	v	519	CLA	C4A-NA-C1A	6.76	109.74	106.71
14	H	1209	CLA	C4A-NA-C1A	6.76	109.74	106.71
14	f	1221	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	v	507	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	H	1224	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	B	1230	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	1	513	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	2	508	CLA	C4A-NA-C1A	6.74	109.74	106.71
14	d	505	CLA	C4A-NA-C1A	6.74	109.74	106.71
14	5	510	CLA	C4A-NA-C1A	6.74	109.74	106.71
14	R	1302	CLA	C4A-NA-C1A	6.74	109.73	106.71
14	V	1501	CLA	C4A-NA-C1A	6.73	109.73	106.71
14	d	513	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	1	510	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	u	518	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	f	1240	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	v	505	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	2	516	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	6	519	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	d	519	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	f	1236	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	Y	509	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	3	516	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	G	1121	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	A	1136	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	e	1132	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	s	516	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	n	1501	CLA	C4A-NA-C1A	6.69	109.71	106.71
14	G	1132	CLA	C4A-NA-C1A	6.69	109.71	106.71
14	A	1121	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	f	1230	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	L	1501	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	q	516	CLA	C4A-NA-C1A	6.68	109.71	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	q	510	CLA	C4A-NA-C1A	6.67	109.71	106.71
14	v	510	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	r	508	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	G	1106	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	U	1105	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	A	1106	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	e	1136	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	2	507	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	A	1132	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	Y	516	CLA	C4A-NA-C1A	6.65	109.70	106.71
14	K	1105	CLA	C4A-NA-C1A	6.65	109.69	106.71
14	6	510	CLA	C4A-NA-C1A	6.65	109.69	106.71
14	H	1230	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	B	1236	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	F	1302	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	H	1236	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	1	506	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	q	509	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	3	503	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	B	1021	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	f	1021	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	j	1302	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	m	1105	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	r	516	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	q	506	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	G	1136	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	b	508	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	d	510	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	a	510	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	e	1106	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	e	1121	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	r	507	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	5	518	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	r	511	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	H	1207	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	a	503	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	c	518	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	s	503	CLA	C4A-NA-C1A	6.60	109.67	106.71
17	f	4006	BCR	C7-C8-C9	-6.59	116.27	126.23
14	1	509	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	Y	506	CLA	C4A-NA-C1A	6.59	109.67	106.71
17	V	4022	BCR	C7-C8-C9	-6.59	116.28	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	507	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	e	1123	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	f	1207	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	2	511	CLA	C4A-NA-C1A	6.59	109.67	106.71
17	L	4022	BCR	C7-C8-C9	-6.59	116.28	126.23
14	H	1021	CLA	C4A-NA-C1A	6.58	109.67	106.71
14	1	516	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	4	508	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	Z	511	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	A	1123	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	B	1207	CLA	C4A-NA-C1A	6.57	109.66	106.71
17	H	4006	BCR	C7-C8-C9	-6.57	116.31	126.23
14	5	516	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	c	516	CLA	C4A-NA-C1A	6.56	109.66	106.71
17	B	4006	BCR	C7-C8-C9	-6.56	116.32	126.23
17	n	4022	BCR	C7-C8-C9	-6.56	116.32	126.23
14	3	508	CLA	C4A-NA-C1A	6.56	109.65	106.71
14	f	1203	CLA	C4A-NA-C1A	6.56	109.65	106.71
14	3	510	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	H	1203	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	a	508	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	t	508	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	f	1227	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	B	1203	CLA	C4A-NA-C1A	6.54	109.64	106.71
14	q	519	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	G	1123	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	u	516	CLA	C4A-NA-C1A	6.51	109.64	106.71
14	G	1114	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	c	511	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	u	511	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	c	513	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	5	511	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	s	510	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	t	516	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	s	508	CLA	C4A-NA-C1A	6.49	109.63	106.71
14	B	1227	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	4	516	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	e	1105	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	b	516	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	A	1114	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	s	517	CLA	C4A-NA-C1A	6.47	109.61	106.71
14	e	1114	CLA	C4A-NA-C1A	6.47	109.61	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1801	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	A	1105	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	5	513	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	t	505	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	4	505	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	6	516	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	1	519	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	u	517	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	d	516	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	r	513	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	H	1227	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	B	1232	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	f	1232	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	b	505	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	f	1232	CLA	CMB-C2B-C1B	-6.40	118.62	128.46
14	G	1105	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	a	517	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	v	516	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	2	513	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	u	513	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	A	1801	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	H	1232	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	3	517	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	B	1232	CLA	CMB-C2B-C1B	-6.38	118.65	128.46
17	A	4007	BCR	C3-C4-C5	-6.38	102.68	114.08
17	G	4007	BCR	C3-C4-C5	-6.38	102.69	114.08
17	e	4007	BCR	C3-C4-C5	-6.37	102.69	114.08
14	e	1801	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	H	1232	CLA	CMB-C2B-C1B	-6.37	118.67	128.46
14	A	1131	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	Z	513	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	H	1234	CLA	CMB-C2B-C1B	-6.37	118.68	128.46
14	Y	519	CLA	C4A-NA-C1A	6.36	109.57	106.71
14	B	1234	CLA	CMB-C2B-C1B	-6.36	118.69	128.46
14	c	517	CLA	C4A-NA-C1A	6.36	109.56	106.71
14	f	1234	CLA	CMB-C2B-C1B	-6.34	118.71	128.46
14	5	517	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	j	1301	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	6	512	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	G	1131	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	r	510	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	2	510	CLA	C4A-NA-C1A	6.31	109.54	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1131	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	G	1107	CLA	C4A-NA-C1A	6.29	109.54	106.71
14	B	1219	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	f	1219	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	A	1102	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	F	1301	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	G	1102	CLA	C4A-NA-C1A	6.25	109.52	106.71
14	Z	510	CLA	C4A-NA-C1A	6.25	109.52	106.71
14	R	1301	CLA	C4A-NA-C1A	6.25	109.52	106.71
14	v	512	CLA	C4A-NA-C1A	6.24	109.51	106.71
15	A	2001	PQN	C15-C13-C12	-6.24	108.50	121.12
15	G	2001	PQN	C15-C13-C12	-6.24	108.50	121.12
15	e	2001	PQN	C15-C13-C12	-6.23	108.51	121.12
14	d	512	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	H	1208	CLA	C4A-NA-C1A	6.20	109.50	106.71
14	e	1102	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	A	1107	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	e	1107	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	e	1127	CLA	C4A-NA-C1A	6.17	109.48	106.71
14	H	1219	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	H	1210	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	f	1208	CLA	C4A-NA-C1A	6.14	109.47	106.71
14	c	512	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	A	1127	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	B	1210	CLA	C4A-NA-C1A	6.12	109.46	106.71
17	A	4011	BCR	C7-C8-C9	-6.12	116.99	126.23
17	G	4011	BCR	C7-C8-C9	-6.12	116.99	126.23
14	B	1208	CLA	C4A-NA-C1A	6.11	109.45	106.71
14	Y	512	CLA	C4A-NA-C1A	6.11	109.45	106.71
14	u	512	CLA	C4A-NA-C1A	6.11	109.45	106.71
14	l	512	CLA	C4A-NA-C1A	6.11	109.45	106.71
14	f	1210	CLA	C4A-NA-C1A	6.09	109.44	106.71
17	e	4011	BCR	C7-C8-C9	-6.09	117.03	126.23
14	r	512	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	H	1216	CLA	C4A-NA-C1A	6.07	109.44	106.71
14	5	512	CLA	C4A-NA-C1A	6.06	109.43	106.71
14	G	1116	CLA	C4A-NA-C1A	6.05	109.43	106.71
14	G	1127	CLA	C4A-NA-C1A	6.05	109.43	106.71
14	2	512	CLA	C4A-NA-C1A	6.03	109.42	106.71
14	A	1013	CLA	CMB-C2B-C3B	6.01	135.92	124.68
14	G	1013	CLA	CMB-C2B-C3B	6.01	135.92	124.68
14	B	1222	CLA	C4A-NA-C1A	6.01	109.41	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1013	CLA	CMB-C2B-C3B	6.00	135.90	124.68
14	q	512	CLA	C4A-NA-C1A	5.99	109.40	106.71
14	f	1222	CLA	C4A-NA-C1A	5.99	109.40	106.71
14	A	1116	CLA	C4A-NA-C1A	5.99	109.40	106.71
14	A	1135	CLA	C4A-NA-C1A	5.99	109.40	106.71
14	H	1222	CLA	C4A-NA-C1A	5.98	109.40	106.71
14	G	1135	CLA	C4A-NA-C1A	5.98	109.39	106.71
14	b	511	CLA	C4A-NA-C1A	5.97	109.39	106.71
14	H	1226	CLA	C4A-NA-C1A	5.97	109.39	106.71
14	e	1116	CLA	C4A-NA-C1A	5.95	109.38	106.71
14	B	1216	CLA	C4A-NA-C1A	5.94	109.38	106.71
14	Z	512	CLA	C4A-NA-C1A	5.91	109.36	106.71
14	H	1221	CLA	CMB-C2B-C1B	-5.90	119.39	128.46
14	B	1221	CLA	CMB-C2B-C1B	-5.89	119.41	128.46
14	f	1221	CLA	CMB-C2B-C1B	-5.89	119.42	128.46
14	4	511	CLA	C4A-NA-C1A	5.88	109.35	106.71
17	f	4010	BCR	C20-C21-C22	-5.88	118.92	127.31
17	H	4010	BCR	C20-C21-C22	-5.88	118.92	127.31
17	B	4010	BCR	C20-C21-C22	-5.87	118.93	127.31
17	V	4219	BCR	C15-C14-C13	-5.87	118.93	127.31
17	L	4219	BCR	C15-C14-C13	-5.87	118.93	127.31
14	f	1216	CLA	C4A-NA-C1A	5.87	109.34	106.71
14	e	1135	CLA	C4A-NA-C1A	5.85	109.34	106.71
17	n	4219	BCR	C15-C14-C13	-5.85	118.97	127.31
14	A	1117	CLA	C4A-NA-C1A	5.84	109.33	106.71
14	A	1128	CLA	C4A-NA-C1A	5.84	109.33	106.71
17	T	4013	BCR	C20-C21-C22	-5.83	118.99	127.31
14	t	511	CLA	C4A-NA-C1A	5.83	109.33	106.71
17	J	4013	BCR	C20-C21-C22	-5.82	119.01	127.31
14	B	1226	CLA	C4A-NA-C1A	5.81	109.32	106.71
14	e	1128	CLA	C4A-NA-C1A	5.81	109.32	106.71
14	e	1117	CLA	C4A-NA-C1A	5.80	109.31	106.71
17	l	4013	BCR	C20-C21-C22	-5.79	119.04	127.31
14	G	1011	CLA	C4A-NA-C1A	5.79	109.31	106.71
14	G	1128	CLA	C4A-NA-C1A	5.79	109.31	106.71
14	e	1011	CLA	C4A-NA-C1A	5.79	109.31	106.71
14	A	1011	CLA	C4A-NA-C1A	5.78	109.30	106.71
14	K	1401	CLA	C4A-NA-C1A	5.77	109.30	106.71
14	f	1226	CLA	C4A-NA-C1A	5.76	109.30	106.71
17	H	4010	BCR	C15-C14-C13	-5.76	119.09	127.31
14	G	1117	CLA	C4A-NA-C1A	5.76	109.29	106.71
17	f	4010	BCR	C15-C14-C13	-5.75	119.10	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	4010	BCR	C15-C14-C13	-5.75	119.11	127.31
14	G	1129	CLA	C4A-NA-C1A	5.74	109.29	106.71
14	f	1225	CLA	C4A-NA-C1A	5.74	109.28	106.71
14	m	1401	CLA	C4A-NA-C1A	5.72	109.28	106.71
14	e	1124	CLA	C4A-NA-C1A	5.70	109.27	106.71
14	a	512	CLA	C4A-NA-C1A	5.69	109.27	106.71
14	A	1124	CLA	C4A-NA-C1A	5.69	109.26	106.71
14	A	1129	CLA	C4A-NA-C1A	5.69	109.26	106.71
14	G	1124	CLA	C4A-NA-C1A	5.68	109.26	106.71
14	U	1401	CLA	C4A-NA-C1A	5.68	109.26	106.71
14	B	1225	CLA	C4A-NA-C1A	5.66	109.25	106.71
14	A	1130	CLA	CMB-C2B-C3B	5.65	135.26	124.68
14	e	1130	CLA	CMB-C2B-C3B	5.65	135.26	124.68
14	G	1130	CLA	CMB-C2B-C3B	5.65	135.26	124.68
14	e	1129	CLA	C4A-NA-C1A	5.62	109.23	106.71
14	H	1225	CLA	C4A-NA-C1A	5.60	109.22	106.71
14	f	1234	CLA	C4A-NA-C1A	5.60	109.22	106.71
17	v	524	BCR	C7-C8-C9	-5.58	117.80	126.23
17	d	524	BCR	C7-C8-C9	-5.58	117.81	126.23
17	6	524	BCR	C7-C8-C9	-5.57	117.81	126.23
14	e	1135	CLA	CMB-C2B-C1B	-5.57	119.91	128.46
14	3	512	CLA	C4A-NA-C1A	5.57	109.21	106.71
14	A	1135	CLA	CMB-C2B-C1B	-5.55	119.93	128.46
14	G	1135	CLA	CMB-C2B-C1B	-5.54	119.95	128.46
14	s	512	CLA	C4A-NA-C1A	5.53	109.19	106.71
14	H	1206	CLA	CMB-C2B-C1B	-5.50	120.02	128.46
14	f	1206	CLA	CMB-C2B-C1B	-5.50	120.02	128.46
14	B	1206	CLA	CMB-C2B-C1B	-5.50	120.02	128.46
14	e	1102	CLA	CMB-C2B-C1B	-5.48	120.03	128.46
14	B	1234	CLA	C4A-NA-C1A	5.48	109.17	106.71
14	H	1234	CLA	C4A-NA-C1A	5.48	109.17	106.71
14	A	1102	CLA	CMB-C2B-C1B	-5.45	120.09	128.46
17	F	4016	BCR	C15-C14-C13	-5.45	119.54	127.31
14	q	508	CLA	CMB-C2B-C1B	-5.45	120.09	128.46
14	G	1102	CLA	CMB-C2B-C1B	-5.44	120.10	128.46
14	G	1126	CLA	CMB-C2B-C1B	-5.44	120.10	128.46
17	R	4016	BCR	C15-C14-C13	-5.44	119.55	127.31
14	Y	508	CLA	CMB-C2B-C1B	-5.43	120.12	128.46
14	G	1116	CLA	CMB-C2B-C1B	-5.43	120.12	128.46
14	H	1228	CLA	CMB-C2B-C1B	-5.42	120.13	128.46
17	j	4016	BCR	C15-C14-C13	-5.42	119.57	127.31
14	1	508	CLA	CMB-C2B-C1B	-5.42	120.13	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1011	CLA	O2D-CGD-CBD	5.42	120.90	111.27
14	G	1011	CLA	O2D-CGD-CBD	5.42	120.89	111.27
14	A	1126	CLA	CMB-C2B-C1B	-5.41	120.14	128.46
14	e	1126	CLA	CMB-C2B-C1B	-5.41	120.14	128.46
14	A	1011	CLA	O2D-CGD-CBD	5.41	120.89	111.27
14	e	1116	CLA	CMB-C2B-C1B	-5.41	120.15	128.46
14	f	1238	CLA	CMB-C2B-C1B	-5.41	120.15	128.46
14	B	1238	CLA	CMB-C2B-C1B	-5.40	120.16	128.46
14	H	1238	CLA	CMB-C2B-C1B	-5.40	120.16	128.46
21	f	1852	SQD	O5-C5-C4	5.40	119.50	109.69
21	B	1852	SQD	O5-C5-C4	5.40	119.49	109.69
14	B	1228	CLA	CMB-C2B-C1B	-5.39	120.18	128.46
14	e	1117	CLA	CMB-C2B-C1B	-5.39	120.19	128.46
14	A	1116	CLA	CMB-C2B-C1B	-5.39	120.19	128.46
14	B	1012	CLA	CMB-C2B-C1B	-5.39	120.19	128.46
15	H	2002	PQN	C14-C13-C12	-5.38	109.87	123.68
14	A	1139	CLA	C4A-NA-C1A	5.38	109.13	106.71
14	f	1228	CLA	CMB-C2B-C1B	-5.38	120.19	128.46
14	e	1139	CLA	C4A-NA-C1A	5.38	109.12	106.71
15	B	2002	PQN	C14-C13-C12	-5.37	109.89	123.68
14	H	1234	CLA	CMB-C2B-C3B	5.37	134.73	124.68
14	f	1012	CLA	CMB-C2B-C1B	-5.37	120.21	128.46
14	H	1226	CLA	C2D-C1D-ND	-5.37	106.15	110.10
14	B	1234	CLA	CMB-C2B-C3B	5.37	134.72	124.68
14	H	1012	CLA	CMB-C2B-C1B	-5.37	120.22	128.46
21	H	1852	SQD	O5-C5-C4	5.37	119.44	109.69
15	f	2002	PQN	C14-C13-C12	-5.36	109.92	123.68
14	f	1229	CLA	CMB-C2B-C1B	-5.36	120.22	128.46
14	f	1234	CLA	CMB-C2B-C3B	5.36	134.70	124.68
14	f	1226	CLA	C2D-C1D-ND	-5.36	106.16	110.10
14	A	1117	CLA	CMB-C2B-C1B	-5.36	120.23	128.46
14	H	1229	CLA	CMB-C2B-C1B	-5.35	120.24	128.46
14	B	1229	CLA	CMB-C2B-C1B	-5.35	120.25	128.46
14	G	1117	CLA	CMB-C2B-C1B	-5.35	120.25	128.46
14	B	1226	CLA	C2D-C1D-ND	-5.35	106.17	110.10
14	G	1139	CLA	C4A-NA-C1A	5.34	109.11	106.71
14	H	1215	CLA	CMB-C2B-C1B	-5.33	120.28	128.46
14	H	1223	CLA	CMB-C2B-C1B	-5.33	120.28	128.46
14	f	1215	CLA	CMB-C2B-C1B	-5.33	120.28	128.46
14	f	1223	CLA	CMB-C2B-C1B	-5.32	120.29	128.46
14	B	1215	CLA	CMB-C2B-C1B	-5.31	120.31	128.46
14	B	1223	CLA	CMB-C2B-C1B	-5.31	120.31	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1113	CLA	CMB-C2B-C1B	-5.31	120.31	128.46
14	e	1113	CLA	CMB-C2B-C1B	-5.30	120.32	128.46
14	G	1105	CLA	CMB-C2B-C1B	-5.29	120.33	128.46
14	A	1113	CLA	CMB-C2B-C1B	-5.29	120.33	128.46
14	A	1105	CLA	CMB-C2B-C1B	-5.29	120.33	128.46
15	G	2001	PQN	C14-C13-C12	-5.28	110.12	123.68
17	e	4011	BCR	C20-C21-C22	-5.28	119.77	127.31
14	e	1119	CLA	CMB-C2B-C1B	-5.28	120.35	128.46
15	A	2001	PQN	C14-C13-C12	-5.28	110.14	123.68
17	A	4011	BCR	C20-C21-C22	-5.27	119.78	127.31
14	e	1105	CLA	CMB-C2B-C1B	-5.27	120.36	128.46
15	e	2001	PQN	C14-C13-C12	-5.27	110.15	123.68
14	A	1119	CLA	CMB-C2B-C1B	-5.27	120.36	128.46
17	G	4011	BCR	C20-C21-C22	-5.27	119.79	127.31
14	G	1119	CLA	CMB-C2B-C1B	-5.25	120.39	128.46
14	e	1127	CLA	CMB-C2B-C1B	-5.24	120.41	128.46
14	G	1127	CLA	CMB-C2B-C1B	-5.24	120.41	128.46
17	s	522	BCR	C11-C10-C9	-5.23	119.85	127.31
14	A	1127	CLA	CMB-C2B-C1B	-5.23	120.43	128.46
14	A	1022	CLA	CMB-C2B-C1B	-5.22	120.44	128.46
17	3	522	BCR	C11-C10-C9	-5.21	119.88	127.31
14	e	1022	CLA	CMB-C2B-C1B	-5.19	120.48	128.46
14	G	1022	CLA	CMB-C2B-C1B	-5.19	120.49	128.46
17	a	522	BCR	C11-C10-C9	-5.19	119.91	127.31
14	f	1232	CLA	CMB-C2B-C3B	5.18	134.38	124.68
14	B	1232	CLA	CMB-C2B-C3B	5.17	134.35	124.68
14	H	1232	CLA	CMB-C2B-C3B	5.17	134.35	124.68
14	e	1123	CLA	CMB-C2B-C1B	-5.16	120.53	128.46
14	A	1123	CLA	CMB-C2B-C1B	-5.15	120.56	128.46
14	G	1123	CLA	CMB-C2B-C1B	-5.14	120.56	128.46
14	G	1801	CLA	CMB-C2B-C1B	-5.13	120.58	128.46
17	J	4012	BCR	C20-C21-C22	-5.13	119.99	127.31
17	T	4012	BCR	C20-C21-C22	-5.12	120.00	127.31
14	A	1801	CLA	CMB-C2B-C1B	-5.12	120.60	128.46
17	l	4012	BCR	C20-C21-C22	-5.11	120.01	127.31
14	e	1801	CLA	CMB-C2B-C1B	-5.09	120.64	128.46
14	H	1201	CLA	CMB-C2B-C1B	-5.08	120.65	128.46
17	A	4007	BCR	C28-C27-C26	-5.08	105.01	114.08
17	G	4007	BCR	C28-C27-C26	-5.07	105.02	114.08
17	e	4007	BCR	C28-C27-C26	-5.07	105.03	114.08
14	f	1012	CLA	C4A-NA-C1A	5.05	108.98	106.71
14	B	1201	CLA	CMB-C2B-C1B	-5.05	120.70	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1135	CLA	CMB-C2B-C3B	5.05	134.12	124.68
14	B	1012	CLA	C4A-NA-C1A	5.05	108.97	106.71
14	H	1202	CLA	CMB-C2B-C1B	-5.05	120.71	128.46
14	e	1022	CLA	C4A-NA-C1A	5.04	108.97	106.71
14	G	1124	CLA	CMB-C2B-C1B	-5.04	120.72	128.46
14	B	1202	CLA	CMB-C2B-C1B	-5.03	120.73	128.46
14	A	1135	CLA	CMB-C2B-C3B	5.03	134.08	124.68
14	e	1124	CLA	CMB-C2B-C1B	-5.03	120.74	128.46
14	f	1201	CLA	CMB-C2B-C1B	-5.03	120.74	128.46
14	3	516	CLA	CAC-C3C-C4C	5.03	131.33	124.81
14	s	516	CLA	CAC-C3C-C4C	5.02	131.33	124.81
14	A	1124	CLA	CMB-C2B-C1B	-5.02	120.75	128.46
14	e	1107	CLA	CMB-C2B-C1B	-5.02	120.75	128.46
14	G	1135	CLA	CMB-C2B-C3B	5.02	134.06	124.68
14	G	1107	CLA	CMB-C2B-C1B	-5.01	120.76	128.46
14	a	516	CLA	CAC-C3C-C4C	5.01	131.31	124.81
14	B	1231	CLA	CMB-C2B-C1B	-5.00	120.77	128.46
14	t	508	CLA	CMB-C2B-C1B	-5.00	120.77	128.46
14	Z	508	CLA	CMB-C2B-C1B	-5.00	120.79	128.46
14	e	1103	CLA	CMB-C2B-C1B	-5.00	120.79	128.46
14	A	1103	CLA	CMB-C2B-C1B	-4.99	120.79	128.46
14	f	1231	CLA	CMB-C2B-C1B	-4.99	120.79	128.46
14	A	1022	CLA	C4A-NA-C1A	4.99	108.95	106.71
17	3	521	BCR	C20-C21-C22	-4.99	120.19	127.31
14	f	1202	CLA	CMB-C2B-C1B	-4.99	120.79	128.46
14	G	1103	CLA	CMB-C2B-C1B	-4.99	120.80	128.46
14	A	1107	CLA	CMB-C2B-C1B	-4.99	120.80	128.46
17	a	521	BCR	C20-C21-C22	-4.98	120.20	127.31
14	4	508	CLA	CMB-C2B-C1B	-4.98	120.81	128.46
14	H	1231	CLA	CMB-C2B-C1B	-4.97	120.82	128.46
17	j	4016	BCR	C11-C10-C9	-4.97	120.22	127.31
14	G	1022	CLA	C4A-NA-C1A	4.97	108.94	106.71
14	b	508	CLA	CMB-C2B-C1B	-4.97	120.83	128.46
14	3	508	CLA	CMB-C2B-C1B	-4.97	120.83	128.46
14	s	508	CLA	CMB-C2B-C1B	-4.97	120.83	128.46
17	G	4008	BCR	C20-C21-C22	-4.96	120.23	127.31
17	e	4008	BCR	C20-C21-C22	-4.96	120.23	127.31
17	s	521	BCR	C20-C21-C22	-4.96	120.23	127.31
17	R	4016	BCR	C11-C10-C9	-4.96	120.23	127.31
17	F	4016	BCR	C11-C10-C9	-4.96	120.24	127.31
17	T	4015	BCR	C7-C8-C9	-4.95	118.75	126.23
14	u	509	CLA	CMB-C2B-C1B	-4.95	120.85	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	509	CLA	CMB-C2B-C1B	-4.95	120.85	128.46
17	B	4006	BCR	C24-C23-C22	-4.95	118.75	126.23
14	r	508	CLA	CMB-C2B-C1B	-4.95	120.86	128.46
14	2	508	CLA	CMB-C2B-C1B	-4.95	120.86	128.46
17	A	4008	BCR	C20-C21-C22	-4.95	120.25	127.31
17	J	4013	BCR	C24-C23-C22	-4.94	118.76	126.23
17	l	4013	BCR	C24-C23-C22	-4.94	118.76	126.23
17	l	4015	BCR	C7-C8-C9	-4.94	118.77	126.23
14	a	509	CLA	CMB-C2B-C1B	-4.94	120.88	128.46
14	5	509	CLA	CMB-C2B-C1B	-4.94	120.88	128.46
14	H	1012	CLA	C4A-NA-C1A	4.93	108.92	106.71
14	H	1211	CLA	CMB-C2B-C1B	-4.93	120.88	128.46
14	H	1225	CLA	CMB-C2B-C1B	-4.93	120.88	128.46
14	a	508	CLA	CMB-C2B-C1B	-4.93	120.89	128.46
14	G	1130	CLA	C4A-NA-C1A	4.93	108.92	106.71
17	H	4006	BCR	C24-C23-C22	-4.93	118.79	126.23
17	J	4015	BCR	C7-C8-C9	-4.93	118.79	126.23
14	H	1222	CLA	CMB-C2B-C1B	-4.92	120.89	128.46
17	e	4001	BCR	C16-C17-C18	-4.92	120.28	127.31
17	T	4013	BCR	C24-C23-C22	-4.92	118.79	126.23
17	A	4001	BCR	C16-C17-C18	-4.92	120.29	127.31
17	f	4006	BCR	C24-C23-C22	-4.92	118.81	126.23
14	f	1222	CLA	CMB-C2B-C1B	-4.92	120.91	128.46
14	B	1225	CLA	CMB-C2B-C1B	-4.91	120.91	128.46
14	B	1222	CLA	CMB-C2B-C1B	-4.91	120.91	128.46
14	s	509	CLA	CMB-C2B-C1B	-4.91	120.92	128.46
14	3	509	CLA	CMB-C2B-C1B	-4.91	120.92	128.46
14	f	1226	CLA	CMB-C2B-C3B	4.91	133.86	124.68
14	f	1225	CLA	CMB-C2B-C1B	-4.91	120.92	128.46
17	G	4001	BCR	C16-C17-C18	-4.90	120.31	127.31
14	B	1211	CLA	CMB-C2B-C1B	-4.90	120.93	128.46
17	n	4219	BCR	C1-C6-C5	-4.90	115.72	122.61
14	f	1211	CLA	CMB-C2B-C1B	-4.89	120.94	128.46
14	B	1226	CLA	CMB-C2B-C3B	4.89	133.83	124.68
17	L	4219	BCR	C1-C6-C5	-4.89	115.73	122.61
14	H	1226	CLA	CMB-C2B-C3B	4.89	133.82	124.68
14	B	1012	CLA	CMB-C2B-C3B	4.88	133.81	124.68
17	e	4002	BCR	C16-C17-C18	-4.88	120.34	127.31
17	A	4002	BCR	C16-C17-C18	-4.88	120.34	127.31
17	V	4219	BCR	C1-C6-C5	-4.88	115.74	122.61
17	G	4002	BCR	C16-C17-C18	-4.88	120.35	127.31
17	e	4002	BCR	C7-C8-C9	-4.87	118.87	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	508	CLA	CMB-C2B-C1B	-4.87	120.98	128.46
14	f	1012	CLA	CMB-C2B-C3B	4.87	133.79	124.68
14	A	1130	CLA	C4A-NA-C1A	4.87	108.89	106.71
14	H	1012	CLA	CMB-C2B-C3B	4.86	133.77	124.68
17	A	4002	BCR	C7-C8-C9	-4.85	118.91	126.23
14	5	508	CLA	CMB-C2B-C1B	-4.85	121.02	128.46
17	G	4002	BCR	C7-C8-C9	-4.83	118.94	126.23
14	u	508	CLA	CMB-C2B-C1B	-4.83	121.04	128.46
14	f	1221	CLA	CMB-C2B-C3B	4.82	133.70	124.68
14	H	1221	CLA	CMB-C2B-C3B	4.82	133.70	124.68
14	B	1221	CLA	CMB-C2B-C3B	4.82	133.69	124.68
17	e	4008	BCR	C15-C14-C13	-4.81	120.44	127.31
17	A	4008	BCR	C15-C14-C13	-4.81	120.44	127.31
14	B	1224	CLA	CMB-C2B-C1B	-4.81	121.07	128.46
17	s	523	BCR	C15-C14-C13	-4.81	120.45	127.31
14	H	1224	CLA	CMB-C2B-C1B	-4.80	121.08	128.46
17	a	523	BCR	C15-C14-C13	-4.80	120.45	127.31
17	3	523	BCR	C15-C14-C13	-4.80	120.46	127.31
17	H	4004	BCR	C20-C21-C22	-4.80	120.46	127.31
14	f	1224	CLA	CMB-C2B-C1B	-4.79	121.10	128.46
17	B	4004	BCR	C20-C21-C22	-4.79	120.47	127.31
14	2	509	CLA	CMB-C2B-C1B	-4.78	121.11	128.46
14	B	1229	CLA	CMB-C2B-C3B	4.78	133.63	124.68
17	G	4008	BCR	C15-C14-C13	-4.78	120.49	127.31
14	H	1229	CLA	CMB-C2B-C3B	4.78	133.62	124.68
14	r	509	CLA	CMB-C2B-C1B	-4.78	121.12	128.46
17	f	4004	BCR	C20-C21-C22	-4.77	120.50	127.31
21	f	1852	SQD	O7-S-C6	4.77	112.61	106.94
21	B	1852	SQD	O7-S-C6	4.77	112.61	106.94
14	f	1229	CLA	CMB-C2B-C3B	4.77	133.59	124.68
14	Z	509	CLA	CMB-C2B-C1B	-4.76	121.15	128.46
14	e	1130	CLA	C4A-NA-C1A	4.75	108.84	106.71
14	G	1126	CLA	CMB-C2B-C3B	4.75	133.57	124.68
21	H	1852	SQD	O7-S-C6	4.74	112.57	106.94
14	e	1126	CLA	CMB-C2B-C3B	4.73	133.53	124.68
14	A	1126	CLA	CMB-C2B-C3B	4.73	133.52	124.68
17	B	4017	BCR	C15-C14-C13	-4.73	120.56	127.31
17	H	4017	BCR	C15-C14-C13	-4.72	120.58	127.31
14	H	1228	CLA	CMB-C2B-C3B	4.72	133.50	124.68
21	Y	822	SQD	O5-C5-C4	4.71	118.25	109.69
14	d	508	CLA	CMB-C2B-C1B	-4.71	121.22	128.46
17	b	522	BCR	C15-C16-C17	-4.71	113.82	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1228	CLA	CMB-C2B-C3B	4.71	133.49	124.68
21	l	822	SQD	O5-C5-C4	4.71	118.24	109.69
17	l	4013	BCR	C16-C17-C18	-4.71	120.59	127.31
14	f	1228	CLA	CMB-C2B-C3B	4.70	133.48	124.68
17	f	4017	BCR	C15-C14-C13	-4.70	120.60	127.31
17	t	522	BCR	C15-C16-C17	-4.70	113.84	123.47
17	4	522	BCR	C15-C16-C17	-4.70	113.85	123.47
21	q	822	SQD	O5-C5-C4	4.70	118.23	109.69
14	6	508	CLA	CMB-C2B-C1B	-4.70	121.25	128.46
14	v	508	CLA	CMB-C2B-C1B	-4.69	121.26	128.46
14	f	1023	CLA	CMB-C2B-C1B	-4.69	121.26	128.46
14	B	1023	CLA	CMB-C2B-C1B	-4.68	121.27	128.46
17	J	4013	BCR	C16-C17-C18	-4.67	120.64	127.31
17	s	522	BCR	C3-C4-C5	-4.67	105.74	114.08
14	H	1023	CLA	CMB-C2B-C1B	-4.67	121.29	128.46
14	G	1116	CLA	CMB-C2B-C3B	4.66	133.41	124.68
17	3	522	BCR	C3-C4-C5	-4.66	105.75	114.08
14	K	1401	CLA	CAA-C2A-C3A	-4.66	100.02	112.78
17	a	522	BCR	C3-C4-C5	-4.66	105.76	114.08
14	U	1401	CLA	CAA-C2A-C3A	-4.66	100.02	112.78
17	T	4013	BCR	C16-C17-C18	-4.66	120.66	127.31
14	m	1401	CLA	CAA-C2A-C3A	-4.66	100.03	112.78
14	e	1102	CLA	CMB-C2B-C3B	4.65	133.38	124.68
14	e	1116	CLA	CMB-C2B-C3B	4.65	133.38	124.68
14	A	1102	CLA	CMB-C2B-C3B	4.64	133.36	124.68
14	A	1116	CLA	CMB-C2B-C3B	4.64	133.36	124.68
17	V	4219	BCR	C16-C17-C18	-4.64	120.69	127.31
17	t	523	BCR	C15-C14-C13	-4.63	120.70	127.31
17	b	523	BCR	C15-C14-C13	-4.63	120.70	127.31
17	d	522	BCR	C15-C14-C13	-4.63	120.70	127.31
17	L	4219	BCR	C16-C17-C18	-4.63	120.71	127.31
14	G	1102	CLA	CMB-C2B-C3B	4.63	133.33	124.68
17	5	522	BCR	C15-C14-C13	-4.62	120.71	127.31
17	3	524	BCR	C15-C14-C13	-4.62	120.72	127.31
17	e	4008	BCR	C16-C17-C18	-4.62	120.72	127.31
14	e	1104	CLA	CMB-C2B-C1B	-4.62	121.37	128.46
17	n	4219	BCR	C16-C17-C18	-4.62	120.72	127.31
17	B	4010	BCR	C15-C16-C17	-4.61	114.02	123.47
17	a	524	BCR	C15-C14-C13	-4.61	120.73	127.31
17	f	4010	BCR	C15-C16-C17	-4.61	114.03	123.47
17	H	4010	BCR	C15-C16-C17	-4.61	114.03	123.47
17	4	523	BCR	C15-C14-C13	-4.61	120.73	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	4004	BCR	C16-C17-C18	-4.61	120.74	127.31
17	s	524	BCR	C15-C14-C13	-4.61	120.74	127.31
14	A	1104	CLA	CMB-C2B-C1B	-4.61	121.39	128.46
17	u	522	BCR	C15-C14-C13	-4.60	120.74	127.31
17	c	522	BCR	C15-C14-C13	-4.60	120.75	127.31
17	f	4004	BCR	C16-C17-C18	-4.60	120.75	127.31
17	G	4008	BCR	C16-C17-C18	-4.59	120.76	127.31
14	G	1113	CLA	CMB-C2B-C3B	4.59	133.27	124.68
17	B	4004	BCR	C16-C17-C18	-4.59	120.76	127.31
17	L	4219	BCR	C15-C16-C17	-4.59	114.07	123.47
14	e	1113	CLA	CMB-C2B-C3B	4.59	133.26	124.68
17	V	4219	BCR	C15-C16-C17	-4.59	114.08	123.47
14	A	1113	CLA	CMB-C2B-C3B	4.59	133.26	124.68
17	6	522	BCR	C15-C14-C13	-4.59	120.77	127.31
17	A	4008	BCR	C16-C17-C18	-4.59	120.77	127.31
14	G	1104	CLA	CMB-C2B-C1B	-4.58	121.42	128.46
17	v	522	BCR	C15-C14-C13	-4.58	120.77	127.31
17	5	522	BCR	C11-C10-C9	-4.58	120.77	127.31
14	A	1105	CLA	CMB-C2B-C3B	4.58	133.25	124.68
17	n	4219	BCR	C15-C16-C17	-4.58	114.09	123.47
14	G	1105	CLA	CMB-C2B-C3B	4.58	133.24	124.68
14	e	1105	CLA	CMB-C2B-C3B	4.58	133.24	124.68
17	u	522	BCR	C11-C10-C9	-4.58	120.78	127.31
17	Z	522	BCR	C15-C14-C13	-4.57	120.78	127.31
17	c	522	BCR	C11-C10-C9	-4.57	120.79	127.31
14	f	1223	CLA	CMB-C2B-C3B	4.57	133.22	124.68
14	B	1223	CLA	CMB-C2B-C3B	4.57	133.22	124.68
14	H	1223	CLA	CMB-C2B-C3B	4.56	133.22	124.68
17	B	4010	BCR	C3-C4-C5	-4.56	105.94	114.08
17	f	4010	BCR	C3-C4-C5	-4.55	105.96	114.08
14	e	1127	CLA	CMB-C2B-C3B	4.54	133.17	124.68
14	A	1127	CLA	CMB-C2B-C3B	4.54	133.17	124.68
14	G	1127	CLA	CMB-C2B-C3B	4.54	133.17	124.68
14	G	1801	CLA	CMB-C2B-C3B	4.54	133.17	124.68
17	H	4010	BCR	C3-C4-C5	-4.54	105.98	114.08
17	2	522	BCR	C15-C14-C13	-4.53	120.84	127.31
14	5	511	CLA	CMB-C2B-C1B	-4.53	121.50	128.46
14	A	1801	CLA	CMB-C2B-C3B	4.53	133.15	124.68
17	5	521	BCR	C15-C14-C13	-4.52	120.85	127.31
14	u	511	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
14	d	509	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
17	f	4017	BCR	C16-C17-C18	-4.51	120.87	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	q	522	BCR	C11-C10-C9	-4.51	120.87	127.31
17	c	521	BCR	C15-C14-C13	-4.51	120.87	127.31
14	c	511	CLA	CMB-C2B-C1B	-4.51	121.53	128.46
17	Y	522	BCR	C11-C10-C9	-4.51	120.88	127.31
17	u	521	BCR	C15-C14-C13	-4.51	120.88	127.31
14	A	1022	CLA	CMB-C2B-C3B	4.51	133.11	124.68
14	v	509	CLA	CMB-C2B-C1B	-4.50	121.54	128.46
14	e	1801	CLA	CMB-C2B-C3B	4.50	133.10	124.68
14	6	509	CLA	CMB-C2B-C1B	-4.50	121.54	128.46
17	Y	524	BCR	C16-C17-C18	-4.50	120.89	127.31
17	q	524	BCR	C16-C17-C18	-4.50	120.89	127.31
17	r	522	BCR	C15-C14-C13	-4.50	120.89	127.31
17	l	524	BCR	C16-C17-C18	-4.50	120.89	127.31
17	H	4017	BCR	C16-C17-C18	-4.50	120.89	127.31
17	a	522	BCR	C15-C14-C13	-4.50	120.89	127.31
14	f	1238	CLA	CMB-C2B-C3B	4.49	133.09	124.68
17	l	522	BCR	C11-C10-C9	-4.49	120.90	127.31
17	v	524	BCR	C15-C14-C13	-4.49	120.90	127.31
17	B	4017	BCR	C16-C17-C18	-4.49	120.90	127.31
14	H	1238	CLA	CMB-C2B-C3B	4.49	133.08	124.68
14	e	1022	CLA	CMB-C2B-C3B	4.48	133.07	124.68
14	B	1023	CLA	CAC-C3C-C4C	4.48	130.63	124.81
14	G	1022	CLA	CMB-C2B-C3B	4.48	133.06	124.68
17	d	524	BCR	C15-C14-C13	-4.48	120.92	127.31
14	B	1238	CLA	CMB-C2B-C3B	4.48	133.05	124.68
17	3	522	BCR	C15-C14-C13	-4.47	120.93	127.31
17	s	522	BCR	C15-C14-C13	-4.47	120.93	127.31
14	H	1023	CLA	CAC-C3C-C4C	4.47	130.60	124.81
14	3	506	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
17	6	524	BCR	C15-C14-C13	-4.46	120.94	127.31
14	f	1023	CLA	CAC-C3C-C4C	4.46	130.59	124.81
14	B	1213	CLA	CMB-C2B-C1B	-4.46	121.62	128.46
14	H	1213	CLA	CMB-C2B-C1B	-4.45	121.62	128.46
14	t	511	CLA	CMB-C2B-C1B	-4.45	121.62	128.46
14	e	1129	CLA	CMB-C2B-C1B	-4.45	121.63	128.46
14	a	506	CLA	CMB-C2B-C1B	-4.45	121.63	128.46
17	3	521	BCR	C15-C14-C13	-4.45	120.97	127.31
17	a	521	BCR	C15-C14-C13	-4.44	120.97	127.31
14	4	511	CLA	CMB-C2B-C1B	-4.44	121.63	128.46
14	s	506	CLA	CMB-C2B-C1B	-4.44	121.64	128.46
17	r	521	BCR	C28-C27-C26	-4.44	106.15	114.08
17	R	4016	BCR	C7-C8-C9	-4.44	119.53	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	511	CLA	CMB-C2B-C1B	-4.44	121.65	128.46
17	s	521	BCR	C15-C14-C13	-4.43	120.99	127.31
21	c	822	SQD	O7-S-C6	4.43	112.20	106.94
14	f	1213	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
14	A	1129	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
17	2	521	BCR	C28-C27-C26	-4.42	106.18	114.08
21	5	822	SQD	O7-S-C6	4.42	112.19	106.94
14	G	1129	CLA	CMB-C2B-C1B	-4.42	121.67	128.46
17	Z	521	BCR	C28-C27-C26	-4.42	106.19	114.08
14	A	1106	CLA	CMB-C2B-C1B	-4.41	121.68	128.46
17	j	4016	BCR	C7-C8-C9	-4.41	119.56	126.23
17	F	4016	BCR	C7-C8-C9	-4.41	119.57	126.23
21	u	822	SQD	O7-S-C6	4.41	112.18	106.94
21	b	822	SQD	O47-C7-C8	4.41	119.20	111.09
14	e	1106	CLA	CMB-C2B-C1B	-4.41	121.69	128.46
21	4	822	SQD	O47-C7-C8	4.41	119.20	111.09
21	t	822	SQD	O47-C7-C8	4.41	119.20	111.09
14	G	1106	CLA	CMB-C2B-C1B	-4.41	121.69	128.46
14	H	1202	CLA	CMB-C2B-C3B	4.41	132.92	124.68
14	H	1222	CLA	CMB-C2B-C3B	4.40	132.91	124.68
18	B	1842	LHG	O4-P-O5	4.40	134.00	112.24
18	H	1842	LHG	O4-P-O5	4.40	134.00	112.24
14	B	1202	CLA	CMB-C2B-C3B	4.40	132.91	124.68
14	f	1222	CLA	CMB-C2B-C3B	4.40	132.91	124.68
18	f	1842	LHG	O4-P-O5	4.40	133.99	112.24
14	B	1222	CLA	CMB-C2B-C3B	4.40	132.91	124.68
14	A	1120	CLA	CMB-C2B-C1B	-4.39	121.71	128.46
14	r	511	CLA	CMB-C2B-C1B	-4.39	121.71	128.46
14	2	511	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	H	1210	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	Z	511	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	3	511	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
14	e	1120	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
17	r	524	BCR	C15-C14-C13	-4.38	121.06	127.31
14	f	1202	CLA	CMB-C2B-C3B	4.37	132.86	124.68
17	5	524	BCR	C15-C14-C13	-4.37	121.07	127.31
14	a	511	CLA	CMB-C2B-C1B	-4.37	121.74	128.46
14	s	511	CLA	CMB-C2B-C1B	-4.37	121.74	128.46
14	G	1120	CLA	CMB-C2B-C1B	-4.37	121.75	128.46
14	f	1210	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
14	H	1201	CLA	CMB-C2B-C3B	4.36	132.84	124.68
17	2	524	BCR	C15-C14-C13	-4.36	121.09	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	u	524	BCR	C15-C14-C13	-4.35	121.10	127.31
14	n	1501	CLA	CMB-C2B-C1B	-4.35	121.78	128.46
14	B	1210	CLA	CMB-C2B-C1B	-4.35	121.78	128.46
17	t	524	BCR	C16-C17-C18	-4.35	121.11	127.31
14	B	1201	CLA	CMB-C2B-C3B	4.35	132.81	124.68
14	V	1501	CLA	CMB-C2B-C1B	-4.34	121.79	128.46
14	L	1501	CLA	CMB-C2B-C1B	-4.34	121.79	128.46
17	c	524	BCR	C15-C14-C13	-4.34	121.11	127.31
14	f	1201	CLA	CMB-C2B-C3B	4.34	132.79	124.68
17	4	524	BCR	C16-C17-C18	-4.34	121.12	127.31
17	b	524	BCR	C16-C17-C18	-4.33	121.13	127.31
14	f	1203	CLA	CMB-C2B-C1B	-4.33	121.81	128.46
17	Z	524	BCR	C15-C14-C13	-4.33	121.13	127.31
17	2	521	BCR	C24-C23-C22	-4.33	119.69	126.23
17	t	521	BCR	C7-C8-C9	-4.33	119.69	126.23
14	B	1203	CLA	CMB-C2B-C1B	-4.33	121.81	128.46
14	H	1203	CLA	CMB-C2B-C1B	-4.33	121.81	128.46
14	3	504	CLA	CMB-C2B-C1B	-4.33	121.81	128.46
17	r	521	BCR	C24-C23-C22	-4.33	119.70	126.23
17	Z	521	BCR	C24-C23-C22	-4.33	119.70	126.23
14	H	1212	CLA	CMB-C2B-C1B	-4.32	121.82	128.46
14	s	504	CLA	CMB-C2B-C1B	-4.32	121.82	128.46
17	f	4004	BCR	C24-C23-C22	-4.32	119.71	126.23
14	G	1111	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
17	Y	524	BCR	C15-C14-C13	-4.32	121.15	127.31
17	4	521	BCR	C7-C8-C9	-4.32	119.71	126.23
17	s	522	BCR	C7-C8-C9	-4.32	119.71	126.23
17	K	4104	BCR	C7-C8-C9	-4.31	119.72	126.23
17	n	4022	BCR	C11-C10-C9	-4.31	121.16	127.31
14	Y	506	CLA	CMB-C2B-C1B	-4.31	121.84	128.46
14	q	506	CLA	CMB-C2B-C1B	-4.31	121.84	128.46
14	f	1212	CLA	CMB-C2B-C1B	-4.31	121.84	128.46
14	e	1111	CLA	CMB-C2B-C1B	-4.31	121.84	128.46
17	r	521	BCR	C20-C21-C22	-4.31	121.16	127.31
14	a	504	CLA	CMB-C2B-C1B	-4.31	121.85	128.46
17	l	524	BCR	C15-C14-C13	-4.30	121.17	127.31
14	B	1212	CLA	CMB-C2B-C1B	-4.30	121.85	128.46
14	A	1111	CLA	CMB-C2B-C1B	-4.30	121.85	128.46
14	l	506	CLA	CMB-C2B-C1B	-4.30	121.86	128.46
17	3	522	BCR	C7-C8-C9	-4.30	119.74	126.23
14	n	1502	CLA	CMB-C2B-C1B	-4.30	121.86	128.46
17	U	4104	BCR	C7-C8-C9	-4.30	119.74	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	521	BCR	C20-C21-C22	-4.30	121.18	127.31
17	t	524	BCR	C11-C10-C9	-4.29	121.18	127.31
17	B	4004	BCR	C24-C23-C22	-4.29	119.75	126.23
17	H	4004	BCR	C24-C23-C22	-4.29	119.75	126.23
14	A	1128	CLA	CMB-C2B-C3B	4.29	132.71	124.68
14	B	1231	CLA	CMB-C2B-C3B	4.29	132.71	124.68
14	H	1225	CLA	CMB-C2B-C3B	4.29	132.71	124.68
14	L	1502	CLA	CMB-C2B-C1B	-4.29	121.87	128.46
17	b	524	BCR	C11-C10-C9	-4.29	121.18	127.31
14	H	1231	CLA	CMB-C2B-C3B	4.29	132.71	124.68
14	f	1231	CLA	CMB-C2B-C3B	4.29	132.71	124.68
14	e	1128	CLA	CMB-C2B-C3B	4.29	132.70	124.68
17	m	4104	BCR	C7-C8-C9	-4.29	119.76	126.23
17	Z	523	BCR	C15-C14-C13	-4.29	121.19	127.31
17	q	524	BCR	C15-C14-C13	-4.29	121.19	127.31
17	4	524	BCR	C11-C10-C9	-4.29	121.19	127.31
14	G	1114	CLA	CMB-C2B-C1B	-4.28	121.88	128.46
21	Y	822	SQD	O7-S-C6	4.28	112.03	106.94
14	H	1211	CLA	CMB-C2B-C3B	4.28	132.69	124.68
17	r	523	BCR	C15-C14-C13	-4.27	121.21	127.31
14	A	1114	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
17	Z	521	BCR	C20-C21-C22	-4.27	121.21	127.31
14	A	1109	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
14	e	1114	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
14	B	1211	CLA	CMB-C2B-C3B	4.27	132.67	124.68
14	f	1211	CLA	CMB-C2B-C3B	4.27	132.66	124.68
17	b	521	BCR	C7-C8-C9	-4.27	119.79	126.23
17	a	522	BCR	C7-C8-C9	-4.27	119.79	126.23
21	v	822	SQD	O47-C7-C8	4.27	118.94	111.09
14	4	509	CLA	CMB-C2B-C1B	-4.27	121.91	128.46
17	L	4022	BCR	C11-C10-C9	-4.27	121.22	127.31
14	G	1128	CLA	CMB-C2B-C3B	4.27	132.66	124.68
17	2	523	BCR	C15-C14-C13	-4.27	121.22	127.31
14	e	1125	CLA	CMB-C2B-C1B	-4.26	121.91	128.46
14	B	1225	CLA	CMB-C2B-C3B	4.26	132.66	124.68
14	V	1502	CLA	CMB-C2B-C1B	-4.26	121.91	128.46
14	f	1215	CLA	CMB-C2B-C3B	4.26	132.65	124.68
18	e	5008	LHG	O4-P-O5	4.26	133.31	112.24
14	Y	504	CLA	O2D-CGD-O1D	-4.26	115.50	123.84
17	V	4022	BCR	C11-C10-C9	-4.26	121.23	127.31
14	f	1225	CLA	CMB-C2B-C3B	4.26	132.65	124.68
21	1	822	SQD	O7-S-C6	4.26	112.00	106.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	A	5008	LHG	O4-P-O5	4.26	133.29	112.24
14	G	1109	CLA	CMB-C2B-C1B	-4.26	121.92	128.46
14	H	1215	CLA	CMB-C2B-C3B	4.26	132.64	124.68
18	e	5002	LHG	O4-P-O5	4.26	133.28	112.24
17	u	523	BCR	C15-C14-C13	-4.26	121.24	127.31
14	A	1123	CLA	CMB-C2B-C3B	4.25	132.64	124.68
17	S	4018	BCR	C16-C17-C18	-4.25	121.24	127.31
21	6	822	SQD	O47-C7-C8	4.25	118.91	111.09
14	e	1123	CLA	CMB-C2B-C3B	4.25	132.63	124.68
14	e	1133	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
18	A	5004	LHG	O4-P-O5	4.25	133.25	112.24
18	G	5002	LHG	O4-P-O5	4.25	133.25	112.24
18	A	5002	LHG	O4-P-O5	4.25	133.25	112.24
18	G	5008	LHG	O4-P-O5	4.25	133.25	112.24
14	b	509	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
18	G	5004	LHG	O4-P-O5	4.25	133.24	112.24
21	q	822	SQD	O7-S-C6	4.25	111.99	106.94
17	k	4018	BCR	C16-C17-C18	-4.25	121.25	127.31
14	G	1123	CLA	CMB-C2B-C3B	4.25	132.62	124.68
14	q	504	CLA	O2D-CGD-O1D	-4.25	115.54	123.84
14	e	1109	CLA	CMB-C2B-C1B	-4.24	121.94	128.46
14	A	1125	CLA	CMB-C2B-C1B	-4.24	121.94	128.46
17	W	4021	BCR	C24-C23-C22	-4.24	119.82	126.23
14	A	1115	CLA	CMB-C2B-C1B	-4.24	121.94	128.46
14	l	504	CLA	O2D-CGD-O1D	-4.24	115.54	123.84
14	G	1115	CLA	CMB-C2B-C1B	-4.24	121.94	128.46
21	d	822	SQD	O47-C7-C8	4.24	118.89	111.09
14	B	1215	CLA	CMB-C2B-C3B	4.24	132.61	124.68
18	e	5004	LHG	O4-P-O5	4.24	133.20	112.24
14	t	509	CLA	CMB-C2B-C1B	-4.24	121.95	128.46
17	M	4021	BCR	C24-C23-C22	-4.23	119.84	126.23
17	l	521	BCR	C24-C23-C22	-4.23	119.84	126.23
14	G	1125	CLA	CMB-C2B-C1B	-4.23	121.97	128.46
17	q	521	BCR	C24-C23-C22	-4.22	119.85	126.23
18	k	5001	LHG	O4-P-O5	4.22	133.11	112.24
17	I	4018	BCR	C16-C17-C18	-4.22	121.29	127.31
14	e	1115	CLA	CMB-C2B-C1B	-4.22	121.98	128.46
14	A	1133	CLA	CMB-C2B-C1B	-4.22	121.98	128.46
17	o	4021	BCR	C24-C23-C22	-4.22	119.86	126.23
18	S	5001	LHG	O4-P-O5	4.22	133.10	112.24
17	l	522	BCR	C15-C14-C13	-4.22	121.29	127.31
18	I	5001	LHG	O4-P-O5	4.22	133.09	112.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1133	CLA	CMB-C2B-C1B	-4.22	121.98	128.46
17	q	522	BCR	C15-C14-C13	-4.22	121.29	127.31
14	d	504	CLA	CMB-C2B-C1B	-4.21	121.99	128.46
17	s	521	BCR	C16-C17-C18	-4.21	121.30	127.31
17	Y	521	BCR	C24-C23-C22	-4.21	119.87	126.23
18	G	5003	LHG	O4-P-O5	4.21	133.06	112.24
18	A	5003	LHG	O4-P-O5	4.21	133.03	112.24
17	3	521	BCR	C16-C17-C18	-4.20	121.31	127.31
17	Y	522	BCR	C15-C14-C13	-4.20	121.31	127.31
17	5	523	BCR	C15-C14-C13	-4.20	121.31	127.31
18	e	5003	LHG	O4-P-O5	4.20	133.02	112.24
17	S	4018	BCR	C15-C16-C17	-4.20	114.87	123.47
17	a	521	BCR	C16-C17-C18	-4.20	121.32	127.31
17	c	523	BCR	C15-C14-C13	-4.20	121.32	127.31
18	e	5006	LHG	O4-P-O5	4.19	132.97	112.24
17	S	4018	BCR	C24-C23-C22	-4.19	119.90	126.23
14	v	504	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
17	k	4018	BCR	C15-C16-C17	-4.19	114.89	123.47
14	6	504	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
18	G	5006	LHG	O4-P-O5	4.19	132.96	112.24
18	A	5006	LHG	O4-P-O5	4.19	132.95	112.24
17	k	4018	BCR	C24-C23-C22	-4.19	119.91	126.23
17	I	4018	BCR	C15-C16-C17	-4.19	114.90	123.47
14	G	1139	CLA	CMB-C2B-C1B	-4.18	122.04	128.46
14	G	1011	CLA	C1D-ND-C4D	-4.18	103.37	106.33
17	I	4018	BCR	C24-C23-C22	-4.18	119.92	126.23
14	A	1139	CLA	CMB-C2B-C1B	-4.18	122.05	128.46
14	e	1139	CLA	CMB-C2B-C1B	-4.17	122.05	128.46
18	G	5007	LHG	O4-P-O5	4.17	132.86	112.24
18	n	5221	LHG	O4-P-O5	4.17	132.86	112.24
18	L	5221	LHG	O4-P-O5	4.17	132.84	112.24
18	A	5007	LHG	O4-P-O5	4.17	132.84	112.24
18	V	5221	LHG	O4-P-O5	4.17	132.83	112.24
14	A	1134	CLA	CAA-C2A-C3A	-4.17	101.37	112.78
14	e	1134	CLA	CAA-C2A-C3A	-4.16	101.38	112.78
17	H	4010	BCR	C11-C10-C9	-4.16	121.37	127.31
18	n	5220	LHG	O4-P-O5	4.16	132.82	112.24
18	e	5007	LHG	O4-P-O5	4.16	132.81	112.24
18	V	5220	LHG	O4-P-O5	4.16	132.80	112.24
18	L	5220	LHG	O4-P-O5	4.16	132.79	112.24
14	r	510	CLA	CMB-C2B-C1B	-4.16	122.08	128.46
14	2	510	CLA	CMB-C2B-C1B	-4.15	122.08	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1023	CLA	CMB-C2B-C3B	4.15	132.44	124.68
17	e	4001	BCR	C3-C4-C5	-4.15	106.67	114.08
17	n	4019	BCR	C7-C8-C9	-4.15	119.96	126.23
18	G	5001	LHG	O4-P-O5	4.15	132.75	112.24
18	e	5001	LHG	O4-P-O5	4.15	132.75	112.24
18	G	5009	LHG	O4-P-O5	4.15	132.75	112.24
14	G	1134	CLA	CAA-C2A-C3A	-4.15	101.42	112.78
14	H	1208	CLA	CMB-C2B-C1B	-4.15	122.09	128.46
18	A	5001	LHG	O4-P-O5	4.15	132.74	112.24
14	e	1011	CLA	C1D-ND-C4D	-4.15	103.39	106.33
14	f	1208	CLA	CMB-C2B-C1B	-4.14	122.09	128.46
18	e	5009	LHG	O4-P-O5	4.14	132.73	112.24
14	A	1011	CLA	CGD-CBD-CAD	4.14	124.16	110.73
18	A	5009	LHG	O4-P-O5	4.14	132.72	112.24
14	B	1023	CLA	CMB-C2B-C3B	4.14	132.43	124.68
17	A	4001	BCR	C3-C4-C5	-4.14	106.68	114.08
14	Z	510	CLA	CMB-C2B-C1B	-4.14	122.10	128.46
17	B	4010	BCR	C11-C10-C9	-4.14	121.40	127.31
17	L	4019	BCR	C7-C8-C9	-4.14	119.98	126.23
14	H	1023	CLA	CMB-C2B-C3B	4.14	132.43	124.68
18	n	5218	LHG	O4-P-O5	4.14	132.71	112.24
14	e	1011	CLA	CGD-CBD-CAD	4.14	124.14	110.73
18	V	5218	LHG	O4-P-O5	4.14	132.70	112.24
17	Z	521	BCR	C16-C17-C18	-4.14	121.41	127.31
18	L	5218	LHG	O4-P-O5	4.14	132.69	112.24
17	V	4019	BCR	C7-C8-C9	-4.14	119.99	126.23
14	B	1208	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
17	G	4001	BCR	C3-C4-C5	-4.13	106.70	114.08
14	G	1011	CLA	CGD-CBD-CAD	4.13	124.11	110.73
14	m	1401	CLA	CMB-C2B-C1B	-4.12	122.13	128.46
17	f	4010	BCR	C11-C10-C9	-4.12	121.43	127.31
17	e	4003	BCR	C3-C4-C5	-4.12	106.72	114.08
17	2	521	BCR	C16-C17-C18	-4.12	121.44	127.31
14	K	1401	CLA	CMB-C2B-C1B	-4.11	122.14	128.46
18	e	5005	LHG	O4-P-O5	4.11	132.57	112.24
14	A	1011	CLA	C1D-ND-C4D	-4.11	103.42	106.33
17	s	523	BCR	C11-C10-C9	-4.11	121.45	127.31
18	A	5005	LHG	O4-P-O5	4.11	132.54	112.24
17	A	4003	BCR	C3-C4-C5	-4.10	106.75	114.08
14	c	509	CLA	CMB-C2B-C3B	4.10	132.36	124.68
18	G	5005	LHG	O4-P-O5	4.10	132.53	112.24
14	G	1103	CLA	CMB-C2B-C3B	4.10	132.35	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1224	CLA	CMB-C2B-C3B	4.10	132.35	124.68
14	A	1103	CLA	CMB-C2B-C3B	4.10	132.35	124.68
14	e	1103	CLA	CMB-C2B-C3B	4.10	132.34	124.68
14	H	1209	CLA	CMB-C2B-C1B	-4.09	122.17	128.46
14	A	1117	CLA	CMB-C2B-C3B	4.09	132.33	124.68
14	B	1224	CLA	CMB-C2B-C3B	4.09	132.33	124.68
14	5	509	CLA	CMB-C2B-C3B	4.09	132.33	124.68
17	r	521	BCR	C16-C17-C18	-4.09	121.47	127.31
14	u	509	CLA	CMB-C2B-C3B	4.09	132.33	124.68
14	U	1401	CLA	CMB-C2B-C1B	-4.09	122.18	128.46
14	e	1117	CLA	CMB-C2B-C3B	4.09	132.32	124.68
17	a	523	BCR	C11-C10-C9	-4.09	121.48	127.31
14	A	1108	CLA	CMB-C2B-C1B	-4.08	122.19	128.46
21	c	822	SQD	O47-C7-C8	4.08	118.60	111.09
14	G	1117	CLA	CMB-C2B-C3B	4.08	132.32	124.68
17	G	4003	BCR	C3-C4-C5	-4.08	106.79	114.08
14	e	1108	CLA	CMB-C2B-C1B	-4.08	122.19	128.46
14	G	1108	CLA	CMB-C2B-C1B	-4.08	122.20	128.46
17	3	523	BCR	C11-C10-C9	-4.07	121.50	127.31
21	u	822	SQD	O47-C7-C8	4.07	118.58	111.09
14	f	1224	CLA	CMB-C2B-C3B	4.07	132.29	124.68
14	f	1209	CLA	O2D-CGD-CBD	4.07	118.50	111.27
21	5	822	SQD	O47-C7-C8	4.07	118.57	111.09
17	j	4016	BCR	C24-C23-C22	-4.07	120.09	126.23
17	q	522	BCR	C7-C8-C9	-4.06	120.10	126.23
21	n	5216	SQD	O7-S-C6	4.06	111.77	106.94
21	L	5216	SQD	O7-S-C6	4.06	111.77	106.94
14	f	1209	CLA	CMB-C2B-C1B	-4.06	122.22	128.46
14	B	1209	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
14	2	505	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
17	L	4022	BCR	C20-C21-C22	-4.06	121.52	127.31
14	Z	505	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
17	W	4021	BCR	C15-C14-C13	-4.06	121.52	127.31
14	Y	511	CLA	CMB-C2B-C1B	-4.06	122.23	128.46
14	a	509	CLA	CMB-C2B-C3B	4.05	132.26	124.68
14	B	1209	CLA	O2D-CGD-CBD	4.05	118.47	111.27
14	r	505	CLA	CMB-C2B-C1B	-4.05	122.24	128.46
17	l	522	BCR	C7-C8-C9	-4.04	120.12	126.23
21	V	5216	SQD	O7-S-C6	4.04	111.75	106.94
18	f	1855	LHG	O4-P-O5	4.04	132.23	112.24
14	s	509	CLA	CMB-C2B-C3B	4.04	132.24	124.68
14	H	1209	CLA	O2D-CGD-CBD	4.04	118.45	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	B	1855	LHG	O4-P-O5	4.04	132.22	112.24
17	Y	522	BCR	C7-C8-C9	-4.04	120.13	126.23
17	V	4022	BCR	C20-C21-C22	-4.04	121.55	127.31
17	F	4016	BCR	C24-C23-C22	-4.04	120.13	126.23
14	l	511	CLA	CMB-C2B-C1B	-4.04	122.26	128.46
17	n	4022	BCR	C20-C21-C22	-4.03	121.55	127.31
18	H	1855	LHG	O4-P-O5	4.03	132.18	112.24
17	t	521	BCR	C20-C21-C22	-4.03	121.55	127.31
14	L	1503	CLA	CMB-C2B-C1B	-4.03	122.26	128.46
14	3	509	CLA	CMB-C2B-C3B	4.03	132.22	124.68
17	Z	522	BCR	C11-C10-C9	-4.03	121.56	127.31
17	6	523	BCR	C15-C14-C13	-4.03	121.56	127.31
17	v	523	BCR	C15-C14-C13	-4.03	121.56	127.31
14	V	1503	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
14	n	1503	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
17	R	4016	BCR	C24-C23-C22	-4.03	120.15	126.23
17	4	521	BCR	C20-C21-C22	-4.03	121.56	127.31
17	e	4003	BCR	C20-C21-C22	-4.03	121.56	127.31
14	d	506	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
17	o	4021	BCR	C15-C14-C13	-4.03	121.56	127.31
14	q	511	CLA	CMB-C2B-C1B	-4.03	122.28	128.46
14	v	506	CLA	CMB-C2B-C1B	-4.03	122.28	128.46
17	b	521	BCR	C20-C21-C22	-4.03	121.56	127.31
17	M	4021	BCR	C15-C14-C13	-4.02	121.57	127.31
14	6	506	CLA	CMB-C2B-C1B	-4.02	122.28	128.46
21	q	822	SQD	C1-O5-C5	4.02	121.58	113.69
17	b	524	BCR	C15-C14-C13	-4.02	121.58	127.31
17	m	4104	BCR	C20-C21-C22	-4.02	121.58	127.31
14	H	1240	CLA	CMB-C2B-C1B	-4.02	122.29	128.46
21	Y	822	SQD	C1-O5-C5	4.02	121.57	113.69
17	2	522	BCR	C11-C10-C9	-4.01	121.58	127.31
17	d	523	BCR	C15-C14-C13	-4.01	121.58	127.31
21	l	822	SQD	C1-O5-C5	4.01	121.56	113.69
17	e	4003	BCR	C16-C17-C18	-4.01	121.59	127.31
17	t	524	BCR	C15-C14-C13	-4.01	121.59	127.31
17	4	524	BCR	C15-C14-C13	-4.01	121.59	127.31
17	6	524	BCR	C16-C17-C18	-4.01	121.59	127.31
14	r	503	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
17	A	4003	BCR	C20-C21-C22	-4.01	121.59	127.31
14	f	1240	CLA	CMB-C2B-C1B	-4.00	122.31	128.46
17	G	4003	BCR	C16-C17-C18	-4.00	121.60	127.31
14	B	1240	CLA	CMB-C2B-C1B	-4.00	122.32	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	U	4104	BCR	C20-C21-C22	-4.00	121.60	127.31
17	b	522	BCR	C15-C14-C13	-4.00	121.61	127.31
17	M	4021	BCR	C20-C21-C22	-4.00	121.61	127.31
17	4	522	BCR	C15-C14-C13	-4.00	121.61	127.31
17	K	4104	BCR	C20-C21-C22	-3.99	121.62	127.31
17	H	4005	BCR	C7-C8-C9	-3.99	120.21	126.23
14	Z	503	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
14	s	501	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
17	d	524	BCR	C16-C17-C18	-3.99	121.62	127.31
17	o	4021	BCR	C20-C21-C22	-3.99	121.62	127.31
14	a	501	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
14	d	505	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
14	2	503	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
17	A	4003	BCR	C16-C17-C18	-3.98	121.63	127.31
17	5	521	BCR	C20-C21-C22	-3.98	121.63	127.31
17	c	521	BCR	C20-C21-C22	-3.98	121.63	127.31
17	t	522	BCR	C15-C14-C13	-3.98	121.63	127.31
14	B	1204	CLA	CMB-C2B-C1B	-3.98	122.35	128.46
14	f	1204	CLA	CMB-C2B-C1B	-3.98	122.35	128.46
17	v	524	BCR	C16-C17-C18	-3.98	121.64	127.31
14	3	501	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
17	r	522	BCR	C11-C10-C9	-3.97	121.64	127.31
17	u	521	BCR	C20-C21-C22	-3.97	121.64	127.31
14	6	505	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
17	V	4019	BCR	C11-C10-C9	-3.97	121.65	127.31
17	f	4014	BCR	C16-C17-C18	-3.97	121.65	127.31
14	v	505	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
17	G	4003	BCR	C20-C21-C22	-3.97	121.65	127.31
17	W	4021	BCR	C20-C21-C22	-3.97	121.65	127.31
17	B	4005	BCR	C7-C8-C9	-3.97	120.24	126.23
17	r	521	BCR	C15-C14-C13	-3.97	121.65	127.31
17	B	4009	BCR	C11-C10-C9	-3.96	121.65	127.31
14	H	1204	CLA	CMB-C2B-C1B	-3.96	122.37	128.46
17	L	4019	BCR	C11-C10-C9	-3.96	121.65	127.31
17	1	523	BCR	C15-C14-C13	-3.96	121.66	127.31
17	U	4104	BCR	C16-C17-C18	-3.96	121.66	127.31
17	B	4014	BCR	C16-C17-C18	-3.96	121.66	127.31
17	B	4017	BCR	C24-C23-C22	-3.96	120.26	126.23
17	1	521	BCR	C20-C21-C22	-3.96	121.66	127.31
17	H	4017	BCR	C24-C23-C22	-3.95	120.26	126.23
17	q	523	BCR	C15-C14-C13	-3.95	121.67	127.31
17	Y	521	BCR	C3-C4-C5	-3.95	107.02	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	f	4005	BCR	C7-C8-C9	-3.95	120.26	126.23
17	2	521	BCR	C15-C14-C13	-3.95	121.67	127.31
17	H	4014	BCR	C16-C17-C18	-3.95	121.67	127.31
14	G	1138	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
14	G	1136	CLA	CMB-C2B-C1B	-3.95	122.40	128.46
17	m	4104	BCR	C16-C17-C18	-3.95	121.68	127.31
17	K	4104	BCR	C16-C17-C18	-3.95	121.68	127.31
14	A	1138	CLA	CMB-C2B-C1B	-3.95	122.40	128.46
17	l	521	BCR	C3-C4-C5	-3.95	107.03	114.08
17	q	521	BCR	C3-C4-C5	-3.94	107.03	114.08
17	Y	521	BCR	C20-C21-C22	-3.94	121.68	127.31
17	f	4006	BCR	C15-C14-C13	-3.94	121.68	127.31
17	n	4019	BCR	C11-C10-C9	-3.94	121.68	127.31
17	f	4017	BCR	C24-C23-C22	-3.94	120.28	126.23
17	H	4006	BCR	C15-C14-C13	-3.94	121.69	127.31
17	H	4009	BCR	C11-C10-C9	-3.94	121.69	127.31
17	q	521	BCR	C20-C21-C22	-3.94	121.69	127.31
14	G	1140	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
17	v	522	BCR	C11-C10-C9	-3.94	121.69	127.31
14	q	508	CLA	CMB-C2B-C3B	3.94	132.04	124.68
17	M	4021	BCR	C15-C16-C17	-3.94	115.41	123.47
17	Y	523	BCR	C15-C14-C13	-3.94	121.69	127.31
17	f	4009	BCR	C11-C10-C9	-3.94	121.69	127.31
17	Z	521	BCR	C15-C14-C13	-3.93	121.70	127.31
17	B	4006	BCR	C15-C14-C13	-3.93	121.70	127.31
17	6	522	BCR	C11-C10-C9	-3.93	121.70	127.31
17	G	4002	BCR	C20-C21-C22	-3.93	121.70	127.31
14	l	508	CLA	CMB-C2B-C3B	3.93	132.03	124.68
14	e	1140	CLA	CMB-C2B-C1B	-3.93	122.43	128.46
14	Y	508	CLA	CMB-C2B-C3B	3.93	132.02	124.68
14	e	1138	CLA	CMB-C2B-C1B	-3.92	122.43	128.46
14	A	1140	CLA	CMB-C2B-C1B	-3.92	122.43	128.46
17	d	522	BCR	C11-C10-C9	-3.92	121.71	127.31
17	B	4014	BCR	C20-C19-C18	-3.92	115.40	126.42
21	s	822	SQD	O7-S-C6	3.92	111.60	106.94
17	W	4021	BCR	C15-C16-C17	-3.92	115.45	123.47
17	A	4002	BCR	C20-C21-C22	-3.92	121.72	127.31
17	f	4014	BCR	C20-C19-C18	-3.92	115.41	126.42
14	b	506	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
14	A	1136	CLA	CMB-C2B-C1B	-3.92	122.45	128.46
14	v	510	CLA	CMB-C2B-C1B	-3.91	122.45	128.46
14	6	510	CLA	CMB-C2B-C1B	-3.91	122.45	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	o	4021	BCR	C15-C16-C17	-3.91	115.46	123.47
17	5	521	BCR	C16-C17-C18	-3.91	121.73	127.31
14	d	510	CLA	CMB-C2B-C1B	-3.91	122.45	128.46
14	e	1136	CLA	CMB-C2B-C1B	-3.91	122.46	128.46
17	H	4014	BCR	C20-C19-C18	-3.91	115.44	126.42
14	H	1235	CLA	CMB-C2B-C1B	-3.91	122.46	128.46
17	c	521	BCR	C16-C17-C18	-3.91	121.73	127.31
14	B	1235	CLA	CMB-C2B-C1B	-3.91	122.46	128.46
14	4	506	CLA	CMB-C2B-C1B	-3.91	122.46	128.46
17	u	521	BCR	C16-C17-C18	-3.90	121.74	127.31
14	r	507	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
14	B	1209	CLA	O2D-CGD-O1D	-3.90	116.21	123.84
14	H	1209	CLA	O2D-CGD-O1D	-3.90	116.21	123.84
21	3	822	SQD	O7-S-C6	3.90	111.57	106.94
17	e	4002	BCR	C20-C21-C22	-3.90	121.75	127.31
14	f	1209	CLA	O2D-CGD-O1D	-3.90	116.22	123.84
14	1	509	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
14	2	507	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
17	G	4003	BCR	C15-C14-C13	-3.89	121.76	127.31
17	T	4012	BCR	C3-C4-C5	-3.89	107.13	114.08
14	Y	513	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
14	Y	509	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
14	f	1235	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
17	H	4006	BCR	C34-C9-C10	-3.89	117.48	122.92
17	U	4104	BCR	C38-C26-C25	-3.89	120.17	124.53
21	a	822	SQD	O7-S-C6	3.88	111.56	106.94
14	q	509	CLA	CMB-C2B-C1B	-3.88	122.49	128.46
14	t	506	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
17	3	524	BCR	C16-C17-C18	-3.88	121.77	127.31
14	Z	507	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
17	G	4007	BCR	C15-C14-C13	-3.88	121.78	127.31
14	e	1011	CLA	O2D-CGD-O1D	-3.88	116.26	123.84
17	m	4104	BCR	C38-C26-C25	-3.88	120.17	124.53
21	Z	822	SQD	O7-S-C6	3.88	111.55	106.94
17	e	4003	BCR	C15-C14-C13	-3.88	121.78	127.31
14	b	504	CLA	CMB-C2B-C1B	-3.88	122.51	128.46
17	f	4006	BCR	C34-C9-C10	-3.87	117.50	122.92
17	a	524	BCR	C16-C17-C18	-3.87	121.78	127.31
14	a	512	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
17	J	4012	BCR	C3-C4-C5	-3.87	107.16	114.08
14	1	513	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
17	A	4003	BCR	C15-C14-C13	-3.87	121.78	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	s	524	BCR	C16-C17-C18	-3.87	121.78	127.31
14	t	504	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
14	s	512	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
14	q	513	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
17	A	4007	BCR	C15-C14-C13	-3.86	121.80	127.31
14	A	1011	CLA	O2D-CGD-O1D	-3.86	116.28	123.84
14	r	509	CLA	CMB-C2B-C3B	3.86	131.90	124.68
14	G	1011	CLA	O2D-CGD-O1D	-3.86	116.29	123.84
14	d	511	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
14	2	509	CLA	CMB-C2B-C3B	3.86	131.90	124.68
14	A	1120	CLA	CMB-C2B-C3B	3.86	131.90	124.68
17	K	4104	BCR	C38-C26-C25	-3.86	120.20	124.53
17	B	4006	BCR	C34-C9-C10	-3.86	117.52	122.92
21	2	822	SQD	O7-S-C6	3.86	111.52	106.94
14	G	1120	CLA	CMB-C2B-C3B	3.86	131.89	124.68
14	4	504	CLA	CMB-C2B-C1B	-3.85	122.54	128.46
14	3	512	CLA	CMB-C2B-C1B	-3.85	122.54	128.46
17	l	4012	BCR	C3-C4-C5	-3.85	107.20	114.08
17	e	4001	BCR	C20-C21-C22	-3.85	121.81	127.31
14	e	1104	CLA	CMB-C2B-C3B	3.85	131.88	124.68
14	e	1120	CLA	CMB-C2B-C3B	3.85	131.88	124.68
17	u	523	BCR	C7-C8-C9	-3.85	120.42	126.23
14	d	512	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
14	H	1213	CLA	CMB-C2B-C3B	3.85	131.87	124.68
14	6	511	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
17	A	4001	BCR	C20-C21-C22	-3.84	121.82	127.31
17	L	4219	BCR	C33-C5-C6	-3.84	120.21	124.53
14	A	1104	CLA	CMB-C2B-C3B	3.84	131.87	124.68
14	Z	509	CLA	CMB-C2B-C3B	3.84	131.87	124.68
14	f	1213	CLA	CMB-C2B-C3B	3.84	131.87	124.68
14	B	1213	CLA	CMB-C2B-C3B	3.84	131.87	124.68
17	n	4219	BCR	C33-C5-C6	-3.84	120.21	124.53
17	G	4001	BCR	C20-C21-C22	-3.84	121.83	127.31
14	G	1104	CLA	CMB-C2B-C3B	3.84	131.86	124.68
21	r	822	SQD	O7-S-C6	3.84	111.50	106.94
14	v	511	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
17	H	4006	BCR	C33-C5-C6	-3.83	120.22	124.53
17	e	4007	BCR	C15-C14-C13	-3.83	121.84	127.31
14	6	512	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
14	5	506	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
14	c	506	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
17	B	4006	BCR	C33-C5-C6	-3.82	120.23	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	T	4015	BCR	C15-C14-C13	-3.82	121.85	127.31
17	d	523	BCR	C16-C17-C18	-3.82	121.85	127.31
17	V	4219	BCR	C33-C5-C6	-3.82	120.24	124.53
17	5	523	BCR	C7-C8-C9	-3.82	120.46	126.23
17	B	4017	BCR	C10-C11-C12	-3.82	111.30	123.22
17	f	4006	BCR	C33-C5-C6	-3.82	120.24	124.53
17	H	4017	BCR	C10-C11-C12	-3.82	111.30	123.22
17	f	4017	BCR	C10-C11-C12	-3.82	111.30	123.22
14	u	506	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	v	512	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
17	l	521	BCR	C15-C14-C13	-3.82	121.86	127.31
17	6	521	BCR	C24-C23-C22	-3.82	120.47	126.23
17	q	521	BCR	C15-C14-C13	-3.81	121.87	127.31
14	c	501	CLA	CMB-C2B-C1B	-3.81	122.60	128.46
17	Y	521	BCR	C15-C14-C13	-3.81	121.87	127.31
14	f	1219	CLA	CMB-C2B-C1B	-3.81	122.61	128.46
17	J	4015	BCR	C15-C14-C13	-3.80	121.88	127.31
17	c	523	BCR	C7-C8-C9	-3.80	120.49	126.23
14	G	1124	CLA	CMB-C2B-C3B	3.80	131.79	124.68
17	d	521	BCR	C24-C23-C22	-3.80	120.49	126.23
14	e	1124	CLA	CMB-C2B-C3B	3.80	131.79	124.68
21	d	822	SQD	O9-S-O7	-3.80	100.80	113.95
17	v	521	BCR	C24-C23-C22	-3.80	120.50	126.23
17	f	4010	BCR	C8-C7-C6	-3.80	116.54	127.20
17	6	523	BCR	C16-C17-C18	-3.80	121.89	127.31
21	6	822	SQD	O9-S-O7	-3.79	100.82	113.95
17	l	4015	BCR	C15-C14-C13	-3.79	121.90	127.31
21	v	822	SQD	O9-S-O7	-3.79	100.83	113.95
17	b	524	BCR	C33-C5-C6	-3.79	120.27	124.53
17	B	4010	BCR	C8-C7-C6	-3.79	116.56	127.20
14	4	510	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
14	G	1135	CLA	C1-C2-C3	-3.79	119.49	126.04
14	e	1135	CLA	C1-C2-C3	-3.79	119.49	126.04
14	u	501	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
14	l	506	CLA	CMB-C2B-C3B	3.78	131.76	124.68
14	Y	506	CLA	CMB-C2B-C3B	3.78	131.76	124.68
14	A	1124	CLA	CMB-C2B-C3B	3.78	131.76	124.68
14	B	1219	CLA	CMB-C2B-C1B	-3.78	122.65	128.46
14	5	501	CLA	CMB-C2B-C1B	-3.78	122.65	128.46
14	H	1219	CLA	CMB-C2B-C1B	-3.78	122.65	128.46
17	4	524	BCR	C33-C5-C6	-3.78	120.28	124.53
14	A	1135	CLA	C1-C2-C3	-3.78	119.50	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	4010	BCR	C8-C7-C6	-3.78	116.59	127.20
17	d	521	BCR	C28-C27-C26	-3.78	107.33	114.08
14	F	1301	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
17	v	521	BCR	C16-C17-C18	-3.78	121.92	127.31
17	a	522	BCR	C24-C23-C22	-3.77	120.53	126.23
17	G	4002	BCR	C11-C10-C9	-3.77	121.92	127.31
14	e	1112	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	q	506	CLA	CMB-C2B-C3B	3.77	131.74	124.68
14	b	510	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	j	1301	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
17	2	524	BCR	C33-C5-C6	-3.77	120.30	124.53
14	R	1301	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	s	516	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
17	6	521	BCR	C28-C27-C26	-3.77	107.35	114.08
14	G	1112	CLA	CMB-C2B-C1B	-3.77	122.68	128.46
21	1	822	SQD	O9-S-O7	-3.76	100.92	113.95
17	6	521	BCR	C16-C17-C18	-3.76	121.94	127.31
14	5	512	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
17	J	4012	BCR	C11-C10-C9	-3.76	121.94	127.31
14	u	512	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
17	f	4004	BCR	C11-C10-C9	-3.76	121.94	127.31
14	A	1121	CLA	CAA-C2A-C3A	-3.76	102.48	112.78
17	r	524	BCR	C33-C5-C6	-3.76	120.31	124.53
21	Y	822	SQD	O9-S-O7	-3.76	100.93	113.95
14	A	1112	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
17	v	521	BCR	C28-C27-C26	-3.76	107.36	114.08
21	n	5216	SQD	O9-S-O7	-3.76	100.94	113.95
14	t	510	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
14	A	1129	CLA	CMB-C2B-C3B	3.76	131.71	124.68
14	e	1129	CLA	CMB-C2B-C3B	3.76	131.71	124.68
17	l	4012	BCR	C11-C10-C9	-3.76	121.95	127.31
14	a	510	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
21	u	822	SQD	O9-S-O7	-3.76	100.95	113.95
17	d	521	BCR	C16-C17-C18	-3.76	121.95	127.31
17	Z	524	BCR	C33-C5-C6	-3.76	120.31	124.53
21	L	5216	SQD	O6-C1-C2	3.75	114.17	108.30
21	q	822	SQD	O9-S-O7	-3.75	100.95	113.95
14	G	1121	CLA	CAA-C2A-C3A	-3.75	102.50	112.78
14	H	1211	CLA	CHB-C4A-NA	3.75	129.70	124.51
17	3	522	BCR	C24-C23-C22	-3.75	120.56	126.23
21	V	5216	SQD	O9-S-O7	-3.75	100.96	113.95
21	L	5216	SQD	O9-S-O7	-3.75	100.97	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	4004	BCR	C11-C10-C9	-3.75	121.96	127.31
14	e	1121	CLA	CAA-C2A-C3A	-3.75	102.51	112.78
21	b	822	SQD	O9-S-C6	3.75	111.40	106.94
17	B	4004	BCR	C11-C10-C9	-3.75	121.96	127.31
17	T	4012	BCR	C11-C10-C9	-3.75	121.96	127.31
17	Z	524	BCR	C16-C17-C18	-3.75	121.96	127.31
14	5	511	CLA	CMB-C2B-C3B	3.75	131.69	124.68
17	A	4002	BCR	C11-C10-C9	-3.75	121.96	127.31
14	H	1212	CLA	CMB-C2B-C3B	3.75	131.69	124.68
17	B	4009	BCR	C21-C20-C19	-3.75	111.52	123.22
21	5	822	SQD	O9-S-O7	-3.75	100.98	113.95
14	u	511	CLA	CMB-C2B-C3B	3.75	131.69	124.68
14	f	1211	CLA	CHB-C4A-NA	3.74	129.69	124.51
14	L	1502	CLA	CMB-C2B-C3B	3.74	131.68	124.68
14	n	1502	CLA	CMB-C2B-C3B	3.74	131.68	124.68
17	H	4009	BCR	C21-C20-C19	-3.74	111.53	123.22
17	2	524	BCR	C16-C17-C18	-3.74	121.97	127.31
14	f	1203	CLA	CMB-C2B-C3B	3.74	131.68	124.68
14	f	1212	CLA	CMB-C2B-C3B	3.74	131.68	124.68
14	3	510	CLA	CMB-C2B-C1B	-3.74	122.71	128.46
17	r	524	BCR	C16-C17-C18	-3.74	121.97	127.31
14	H	1203	CLA	CMB-C2B-C3B	3.74	131.68	124.68
17	v	523	BCR	C16-C17-C18	-3.74	121.97	127.31
17	t	524	BCR	C33-C5-C6	-3.74	120.33	124.53
14	B	1212	CLA	CMB-C2B-C3B	3.74	131.68	124.68
21	c	822	SQD	O9-S-O7	-3.74	101.01	113.95
17	f	4009	BCR	C21-C20-C19	-3.74	111.55	123.22
14	G	1129	CLA	CMB-C2B-C3B	3.74	131.67	124.68
14	3	516	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
17	e	4002	BCR	C11-C10-C9	-3.74	121.98	127.31
14	s	510	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
17	v	523	BCR	C7-C8-C9	-3.74	120.59	126.23
21	4	822	SQD	O9-S-C6	3.74	111.38	106.94
14	v	516	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
14	B	1203	CLA	CMB-C2B-C3B	3.73	131.66	124.68
17	d	523	BCR	C7-C8-C9	-3.73	120.60	126.23
14	c	512	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
14	c	511	CLA	CMB-C2B-C3B	3.73	131.66	124.68
17	Z	521	BCR	C11-C10-C9	-3.73	121.99	127.31
21	t	822	SQD	O9-S-C6	3.73	111.37	106.94
21	V	5216	SQD	C4-C3-C2	3.73	117.33	110.82
17	s	522	BCR	C24-C23-C22	-3.73	120.60	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1210	CLA	CMB-C2B-C3B	3.73	131.65	124.68
17	2	521	BCR	C11-C10-C9	-3.72	122.00	127.31
14	1	507	CLA	CMB-C2B-C1B	-3.72	122.74	128.46
14	d	516	CLA	CMB-C2B-C1B	-3.72	122.74	128.46
21	b	822	SQD	O9-S-O7	-3.72	101.06	113.95
14	A	1119	CLA	CMB-C2B-C3B	3.72	131.64	124.68
17	M	4021	BCR	C28-C27-C26	-3.72	107.43	114.08
17	6	523	BCR	C7-C8-C9	-3.72	120.61	126.23
19	e	1849	LMU	O5'-C5'-C4'	3.72	116.45	109.69
14	e	1119	CLA	CMB-C2B-C3B	3.72	131.64	124.68
21	n	5216	SQD	O6-C1-C2	3.72	114.11	108.30
17	W	4021	BCR	C28-C27-C26	-3.72	107.43	114.08
14	a	516	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
21	V	5216	SQD	O6-C1-C2	3.72	114.11	108.30
17	t	524	BCR	C7-C8-C9	-3.72	120.61	126.23
14	6	516	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
17	H	4010	BCR	C24-C23-C22	-3.72	120.62	126.23
14	f	1021	CLA	O2D-CGD-O1D	-3.72	116.57	123.84
17	r	521	BCR	C11-C10-C9	-3.72	122.00	127.31
14	B	1211	CLA	CHB-C4A-NA	3.72	129.65	124.51
21	4	822	SQD	O9-S-O7	-3.72	101.09	113.95
17	m	4104	BCR	C24-C23-C22	-3.71	120.62	126.23
14	q	507	CLA	CMB-C2B-C1B	-3.71	122.76	128.46
21	t	822	SQD	O9-S-O7	-3.71	101.10	113.95
14	B	1021	CLA	O2D-CGD-O1D	-3.71	116.58	123.84
14	G	1119	CLA	CMB-C2B-C3B	3.71	131.62	124.68
14	B	1210	CLA	CMB-C2B-C3B	3.71	131.62	124.68
19	A	1849	LMU	O5'-C5'-C4'	3.71	116.43	109.69
14	f	1210	CLA	CMB-C2B-C3B	3.71	131.62	124.68
14	V	1502	CLA	CMB-C2B-C3B	3.71	131.62	124.68
17	U	4104	BCR	C24-C23-C22	-3.71	120.63	126.23
17	f	4010	BCR	C24-C23-C22	-3.71	120.63	126.23
17	B	4010	BCR	C24-C23-C22	-3.70	120.64	126.23
14	b	516	CLA	CMB-C2B-C1B	-3.70	122.77	128.46
21	L	5216	SQD	C4-C3-C2	3.70	117.29	110.82
14	t	516	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
17	H	4009	BCR	C15-C14-C13	-3.70	122.03	127.31
14	l	1302	CLA	O2D-CGD-O1D	-3.70	116.60	123.84
17	B	4009	BCR	C15-C14-C13	-3.70	122.03	127.31
17	t	523	BCR	C24-C23-C22	-3.70	120.64	126.23
17	o	4021	BCR	C28-C27-C26	-3.70	107.47	114.08
14	Y	507	CLA	CMB-C2B-C1B	-3.70	122.78	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	n	5216	SQD	C4-C3-C2	3.70	117.28	110.82
17	l	4015	BCR	C16-C17-C18	-3.70	122.03	127.31
17	K	4104	BCR	C24-C23-C22	-3.70	120.65	126.23
14	H	1021	CLA	O2D-CGD-O1D	-3.70	116.61	123.84
17	I	4018	BCR	C7-C8-C9	-3.70	120.65	126.23
17	4	524	BCR	C7-C8-C9	-3.69	120.65	126.23
17	4	523	BCR	C24-C23-C22	-3.69	120.65	126.23
14	J	1302	CLA	O2D-CGD-O1D	-3.69	116.62	123.84
17	H	4004	BCR	C15-C14-C13	-3.69	122.05	127.31
14	Z	518	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
17	k	4018	BCR	C7-C8-C9	-3.69	120.66	126.23
21	3	822	SQD	O9-S-O7	-3.69	101.19	113.95
19	G	1849	LMU	O5'-C5'-C4'	3.69	116.39	109.69
17	S	4018	BCR	C7-C8-C9	-3.69	120.66	126.23
14	4	516	CLA	CMB-C2B-C1B	-3.69	122.80	128.46
17	f	4009	BCR	C15-C14-C13	-3.69	122.05	127.31
17	b	523	BCR	C24-C23-C22	-3.68	120.67	126.23
14	4	513	CLA	CMB-C2B-C1B	-3.68	122.80	128.46
17	t	521	BCR	C24-C23-C22	-3.68	120.67	126.23
14	5	504	CLA	CMB-C2B-C1B	-3.68	122.80	128.46
17	b	522	BCR	C20-C21-C22	-3.68	122.05	127.31
21	s	822	SQD	O9-S-O7	-3.68	101.20	113.95
14	T	1302	CLA	O2D-CGD-O1D	-3.68	116.64	123.84
14	t	513	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
17	Z	523	BCR	C16-C17-C18	-3.68	122.06	127.31
17	T	4015	BCR	C16-C17-C18	-3.68	122.06	127.31
14	u	504	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
17	t	522	BCR	C20-C21-C22	-3.68	122.06	127.31
17	J	4015	BCR	C16-C17-C18	-3.68	122.06	127.31
17	v	521	BCR	C15-C14-C13	-3.67	122.07	127.31
17	b	524	BCR	C7-C8-C9	-3.67	120.68	126.23
17	4	521	BCR	C24-C23-C22	-3.67	120.68	126.23
21	a	822	SQD	O9-S-O7	-3.67	101.24	113.95
17	4	522	BCR	C20-C21-C22	-3.67	122.07	127.31
21	H	1852	SQD	O48-C23-C24	3.67	123.43	111.91
14	c	504	CLA	CMB-C2B-C1B	-3.67	122.83	128.46
17	B	4004	BCR	C15-C14-C13	-3.67	122.08	127.31
17	q	521	BCR	C16-C17-C18	-3.67	122.08	127.31
21	Z	822	SQD	O47-C7-C8	3.67	119.40	111.50
17	Z	522	BCR	C7-C8-C9	-3.67	120.70	126.23
14	2	518	CLA	CMB-C2B-C1B	-3.66	122.83	128.46
17	6	521	BCR	C15-C14-C13	-3.66	122.08	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	521	BCR	C16-C17-C18	-3.66	122.08	127.31
17	r	523	BCR	C16-C17-C18	-3.66	122.08	127.31
21	2	822	SQD	O47-C7-C8	3.66	119.39	111.50
17	6	524	BCR	C11-C10-C9	-3.66	122.08	127.31
17	W	4021	BCR	C10-C11-C12	-3.66	111.80	123.22
14	r	518	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
17	v	524	BCR	C11-C10-C9	-3.66	122.09	127.31
21	r	822	SQD	O47-C7-C8	3.66	119.39	111.50
17	Y	521	BCR	C16-C17-C18	-3.66	122.09	127.31
21	Z	822	SQD	O9-S-O7	-3.66	101.29	113.95
17	2	523	BCR	C16-C17-C18	-3.66	122.09	127.31
14	d	501	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
21	B	1852	SQD	O48-C23-C24	3.66	123.38	111.91
17	M	4021	BCR	C10-C11-C12	-3.66	111.81	123.22
17	f	4004	BCR	C15-C14-C13	-3.66	122.09	127.31
21	f	1852	SQD	O48-C23-C24	3.65	123.38	111.91
17	I	4018	BCR	C27-C26-C25	-3.65	117.42	122.73
14	Y	501	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
14	G	1137	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
21	2	822	SQD	O9-S-O7	-3.65	101.31	113.95
17	d	521	BCR	C15-C14-C13	-3.65	122.10	127.31
17	b	521	BCR	C24-C23-C22	-3.65	120.72	126.23
14	d	517	CLA	CMB-C2B-C1B	-3.65	122.86	128.46
14	B	1206	CLA	CMB-C2B-C3B	3.65	131.50	124.68
14	f	1206	CLA	CMB-C2B-C3B	3.65	131.50	124.68
17	B	4006	BCR	C20-C21-C22	-3.65	122.11	127.31
14	b	513	CLA	CMB-C2B-C1B	-3.65	122.86	128.46
21	r	822	SQD	O9-S-O7	-3.65	101.33	113.95
14	s	506	CLA	CMB-C2B-C3B	3.65	131.50	124.68
17	d	524	BCR	C11-C10-C9	-3.65	122.11	127.31
21	B	1852	SQD	O9-S-O7	-3.65	101.33	113.95
21	H	1852	SQD	C1-O5-C5	3.64	120.84	113.69
14	q	501	CLA	CMB-C2B-C1B	-3.64	122.86	128.46
14	3	506	CLA	CMB-C2B-C3B	3.64	131.50	124.68
14	Z	501	CLA	CMB-C2B-C1B	-3.64	122.86	128.46
14	u	507	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
14	6	501	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
17	k	4018	BCR	C27-C26-C25	-3.64	117.44	122.73
14	l	501	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
14	K	1105	CLA	CBC-CAC-C3C	3.64	122.47	112.43
14	a	506	CLA	CMB-C2B-C3B	3.64	131.49	124.68
17	b	521	BCR	C11-C10-C9	-3.64	122.12	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	o	4021	BCR	C10-C11-C12	-3.64	111.86	123.22
17	a	521	BCR	C28-C27-C26	-3.64	107.58	114.08
14	e	1022	CLA	C1B-CHB-C4A	-3.64	122.92	130.12
14	5	507	CLA	CMB-C2B-C1B	-3.64	122.88	128.46
17	s	521	BCR	C28-C27-C26	-3.64	107.59	114.08
17	1	524	BCR	C33-C5-C6	-3.63	120.45	124.53
14	c	507	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
21	H	1852	SQD	O9-S-O7	-3.63	101.38	113.95
21	f	1852	SQD	O9-S-O7	-3.63	101.38	113.95
14	U	1105	CLA	CBC-CAC-C3C	3.63	122.44	112.43
14	G	1022	CLA	C1B-CHB-C4A	-3.63	122.93	130.12
17	2	522	BCR	C7-C8-C9	-3.63	120.75	126.23
14	m	1105	CLA	CBC-CAC-C3C	3.63	122.44	112.43
14	A	1022	CLA	C1B-CHB-C4A	-3.63	122.93	130.12
17	S	4018	BCR	C27-C26-C25	-3.63	117.46	122.73
17	Y	523	BCR	C16-C17-C18	-3.63	122.13	127.31
17	f	4006	BCR	C20-C21-C22	-3.63	122.13	127.31
14	H	1206	CLA	CMB-C2B-C3B	3.63	131.47	124.68
14	G	1132	CLA	O2D-CGD-O1D	-3.62	116.75	123.84
14	e	1125	CLA	CMB-C2B-C3B	3.62	131.46	124.68
14	6	517	CLA	CMB-C2B-C1B	-3.62	122.89	128.46
17	3	521	BCR	C28-C27-C26	-3.62	107.61	114.08
14	A	1106	CLA	CMB-C2B-C3B	3.62	131.46	124.68
17	H	4005	BCR	C15-C14-C13	-3.62	122.14	127.31
17	q	524	BCR	C33-C5-C6	-3.62	120.46	124.53
17	H	4006	BCR	C20-C21-C22	-3.62	122.14	127.31
17	Y	524	BCR	C33-C5-C6	-3.62	120.46	124.53
14	A	1132	CLA	O2D-CGD-O1D	-3.62	116.76	123.84
14	3	508	CLA	CMB-C2B-C3B	3.62	131.45	124.68
14	e	1132	CLA	O2D-CGD-O1D	-3.62	116.77	123.84
14	v	517	CLA	CMB-C2B-C1B	-3.62	122.91	128.46
14	c	508	CLA	CMB-C2B-C3B	3.62	131.44	124.68
21	B	1852	SQD	C1-O5-C5	3.62	120.78	113.69
17	V	4219	BCR	C10-C11-C12	-3.61	111.94	123.22
14	u	510	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
14	5	508	CLA	CMB-C2B-C3B	3.61	131.44	124.68
17	L	4219	BCR	C10-C11-C12	-3.61	111.94	123.22
14	G	1106	CLA	CMB-C2B-C3B	3.61	131.44	124.68
14	c	510	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
14	A	1111	CLA	CMB-C2B-C3B	3.61	131.44	124.68
14	G	1129	CLA	O2D-CGD-O1D	-3.61	116.78	123.84
14	v	507	CLA	CMB-C2B-C1B	-3.61	122.91	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	f	1852	SQD	C1-O5-C5	3.61	120.77	113.69
14	r	501	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
14	2	501	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
17	H	4017	BCR	C34-C9-C8	3.61	123.76	118.08
17	b	522	BCR	C24-C23-C22	-3.61	120.78	126.23
17	r	522	BCR	C7-C8-C9	-3.61	120.78	126.23
14	G	1111	CLA	CMB-C2B-C3B	3.61	131.43	124.68
14	v	501	CLA	CMB-C2B-C1B	-3.60	122.92	128.46
14	e	1106	CLA	CMB-C2B-C3B	3.60	131.42	124.68
14	s	508	CLA	CMB-C2B-C3B	3.60	131.42	124.68
17	4	521	BCR	C11-C10-C9	-3.60	122.17	127.31
14	u	508	CLA	CMB-C2B-C3B	3.60	131.42	124.68
14	e	1111	CLA	CMB-C2B-C3B	3.60	131.42	124.68
14	A	1129	CLA	O2D-CGD-O1D	-3.60	116.80	123.84
14	e	1129	CLA	O2D-CGD-O1D	-3.60	116.80	123.84
14	s	507	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
14	6	507	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
14	G	1125	CLA	CMB-C2B-C3B	3.60	131.41	124.68
14	a	508	CLA	CMB-C2B-C3B	3.60	131.41	124.68
17	n	4219	BCR	C10-C11-C12	-3.60	111.99	123.22
17	1	523	BCR	C16-C17-C18	-3.60	122.18	127.31
14	5	510	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
17	5	521	BCR	C28-C27-C26	-3.60	107.66	114.08
14	A	1137	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
14	3	507	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
14	4	517	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
17	B	4017	BCR	C34-C9-C8	3.59	123.74	118.08
14	d	507	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
14	A	1115	CLA	CMB-C2B-C3B	3.59	131.40	124.68
14	A	1125	CLA	CMB-C2B-C3B	3.59	131.40	124.68
17	f	4017	BCR	C34-C9-C8	3.59	123.73	118.08
17	H	4009	BCR	C24-C23-C22	-3.59	120.81	126.23
17	f	4009	BCR	C24-C23-C22	-3.59	120.81	126.23
17	B	4009	BCR	C24-C23-C22	-3.59	120.81	126.23
17	B	4005	BCR	C15-C14-C13	-3.59	122.19	127.31
17	f	4017	BCR	C8-C9-C10	-3.59	113.44	118.94
14	b	517	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
17	c	521	BCR	C28-C27-C26	-3.59	107.67	114.08
14	A	1011	CLA	CMB-C2B-C1B	-3.58	122.95	128.46
14	G	1121	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
14	e	1011	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
14	b	511	CLA	CMB-C2B-C3B	3.58	131.38	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	d	509	CLA	CMB-C2B-C3B	3.58	131.38	124.68
17	4	522	BCR	C24-C23-C22	-3.58	120.82	126.23
17	t	521	BCR	C11-C10-C9	-3.58	122.20	127.31
14	a	507	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
14	e	1137	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
14	t	517	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
17	H	4017	BCR	C8-C9-C10	-3.58	113.45	118.94
14	G	1115	CLA	CMB-C2B-C3B	3.58	131.37	124.68
17	5	524	BCR	C33-C5-C6	-3.58	120.51	124.53
17	u	524	BCR	C33-C5-C6	-3.58	120.51	124.53
17	u	521	BCR	C28-C27-C26	-3.58	107.69	114.08
14	u	505	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
14	e	1115	CLA	CMB-C2B-C3B	3.57	131.36	124.68
17	f	4005	BCR	C15-C14-C13	-3.57	122.21	127.31
14	v	504	CLA	CMB-C2B-C3B	3.57	131.36	124.68
14	4	511	CLA	CMB-C2B-C3B	3.57	131.35	124.68
14	e	1118	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
14	e	1121	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
17	t	522	BCR	C24-C23-C22	-3.57	120.85	126.23
14	d	504	CLA	CMB-C2B-C3B	3.57	131.35	124.68
14	c	505	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
14	A	1118	CLA	CMB-C2B-C1B	-3.56	122.98	128.46
17	v	521	BCR	C20-C21-C22	-3.56	122.22	127.31
17	q	523	BCR	C16-C17-C18	-3.56	122.22	127.31
17	c	524	BCR	C33-C5-C6	-3.56	120.53	124.53
14	4	509	CLA	CMB-C2B-C3B	3.56	131.34	124.68
17	L	4219	BCR	C28-C27-C26	-3.56	107.72	114.08
17	6	521	BCR	C20-C21-C22	-3.56	122.23	127.31
14	A	1121	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
17	V	4219	BCR	C28-C27-C26	-3.56	107.72	114.08
17	B	4017	BCR	C8-C9-C10	-3.56	113.48	118.94
14	A	1109	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	t	511	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	G	1109	CLA	CMB-C2B-C3B	3.56	131.34	124.68
17	6	522	BCR	C7-C8-C9	-3.56	120.86	126.23
17	H	4010	BCR	C38-C26-C25	-3.56	120.53	124.53
14	l	1303	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
14	H	1220	CLA	CAA-C2A-C1A	-3.56	100.32	111.97
14	2	507	CLA	CMB-C2B-C3B	3.56	131.33	124.68
14	T	1303	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
14	s	505	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
14	u	516	CLA	CMB-C2B-C1B	-3.56	123.00	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	L	4019	BCR	C15-C14-C13	-3.56	122.23	127.31
14	6	509	CLA	CMB-C2B-C3B	3.56	131.33	124.68
17	v	521	BCR	C3-C4-C5	-3.56	107.73	114.08
14	6	504	CLA	CMB-C2B-C3B	3.55	131.33	124.68
14	r	507	CLA	CMB-C2B-C3B	3.55	131.33	124.68
14	v	509	CLA	CMB-C2B-C3B	3.55	131.32	124.68
14	J	1303	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
14	B	1220	CLA	CAA-C2A-C1A	-3.55	100.34	111.97
14	G	1011	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
14	b	509	CLA	CMB-C2B-C3B	3.55	131.32	124.68
17	s	523	BCR	C7-C8-C9	-3.55	120.87	126.23
14	a	505	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
14	f	1220	CLA	CAA-C2A-C1A	-3.55	100.35	111.97
14	Z	507	CLA	CMB-C2B-C3B	3.55	131.31	124.68
17	n	4219	BCR	C28-C27-C26	-3.55	107.74	114.08
14	3	505	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
14	4	508	CLA	CMB-C2B-C3B	3.54	131.31	124.68
17	B	4009	BCR	C7-C8-C9	-3.54	120.88	126.23
14	e	1109	CLA	CMB-C2B-C3B	3.54	131.31	124.68
17	V	4019	BCR	C15-C14-C13	-3.54	122.25	127.31
14	B	1216	CLA	O2A-CGA-O1A	-3.54	114.65	123.59
17	d	522	BCR	C7-C8-C9	-3.54	120.88	126.23
14	t	508	CLA	CMB-C2B-C3B	3.54	131.31	124.68
17	v	522	BCR	C7-C8-C9	-3.54	120.88	126.23
14	f	1216	CLA	O2A-CGA-O1A	-3.54	114.65	123.59
14	G	1110	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
14	H	1216	CLA	O2A-CGA-O1A	-3.54	114.66	123.59
14	v	518	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
17	d	521	BCR	C20-C21-C22	-3.54	122.26	127.31
17	6	521	BCR	C3-C4-C5	-3.54	107.76	114.08
17	3	523	BCR	C7-C8-C9	-3.54	120.89	126.23
14	c	516	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
14	5	505	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
14	G	1118	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
17	f	4009	BCR	C7-C8-C9	-3.54	120.89	126.23
14	G	1013	CLA	CAA-C2A-C1A	-3.54	100.39	111.97
14	e	1013	CLA	O2D-CGD-O1D	-3.54	116.92	123.84
17	d	521	BCR	C3-C4-C5	-3.54	107.76	114.08
17	Z	524	BCR	C11-C10-C9	-3.53	122.27	127.31
14	6	518	CLA	CMB-C2B-C1B	-3.53	123.03	128.46
17	n	4019	BCR	C15-C14-C13	-3.53	122.27	127.31
14	m	1105	CLA	O2D-CGD-O1D	-3.53	116.93	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	4009	BCR	C7-C8-C9	-3.53	120.90	126.23
17	f	4010	BCR	C38-C26-C25	-3.53	120.56	124.53
14	5	516	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
14	t	509	CLA	CMB-C2B-C3B	3.53	131.28	124.68
14	A	1013	CLA	O2D-CGD-O1D	-3.53	116.94	123.84
14	l	505	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
14	A	1013	CLA	CAA-C2A-C1A	-3.53	100.41	111.97
14	e	1013	CLA	CAA-C2A-C1A	-3.53	100.41	111.97
17	l	521	BCR	C11-C10-C9	-3.53	122.28	127.31
14	r	512	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
17	r	524	BCR	C11-C10-C9	-3.53	122.28	127.31
14	e	1107	CLA	CMB-C2B-C3B	3.53	131.27	124.68
14	G	1138	CLA	CMB-C2B-C3B	3.52	131.27	124.68
14	G	1013	CLA	O2D-CGD-O1D	-3.52	116.95	123.84
14	Y	505	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
14	b	508	CLA	CMB-C2B-C3B	3.52	131.27	124.68
14	b	519	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
14	d	518	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
14	q	505	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
17	B	4010	BCR	C38-C26-C25	-3.52	120.57	124.53
14	K	1105	CLA	O2D-CGD-O1D	-3.52	116.96	123.84
14	G	1123	CLA	O2D-CGD-O1D	-3.52	116.96	123.84
14	2	512	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
14	d	505	CLA	CMB-C2B-C3B	3.52	131.26	124.68
14	A	1110	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
14	A	1123	CLA	O2D-CGD-O1D	-3.52	116.97	123.84
14	Z	512	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
14	e	1110	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
14	A	1138	CLA	CMB-C2B-C3B	3.51	131.25	124.68
17	a	523	BCR	C7-C8-C9	-3.51	120.92	126.23
17	c	521	BCR	C3-C4-C5	-3.51	107.80	114.08
17	2	524	BCR	C11-C10-C9	-3.51	122.30	127.31
14	Z	508	CLA	CMB-C2B-C3B	3.51	131.25	124.68
14	4	519	CLA	CMB-C2B-C1B	-3.51	123.07	128.46
14	U	1105	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
14	2	517	CLA	CMB-C2B-C1B	-3.51	123.07	128.46
14	a	511	CLA	CMB-C2B-C3B	3.51	131.24	124.68
14	2	505	CLA	CMB-C2B-C3B	3.51	131.24	124.68
14	s	511	CLA	CMB-C2B-C3B	3.51	131.24	124.68
14	r	505	CLA	CMB-C2B-C3B	3.51	131.24	124.68
14	e	1123	CLA	O2D-CGD-O1D	-3.50	116.99	123.84
14	3	511	CLA	CMB-C2B-C3B	3.50	131.24	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	r	510	CLA	CMB-C2B-C3B	3.50	131.24	124.68
14	e	1138	CLA	CMB-C2B-C3B	3.50	131.23	124.68
14	r	508	CLA	CMB-C2B-C3B	3.50	131.23	124.68
21	s	822	SQD	O9-S-C6	3.50	111.10	106.94
17	5	521	BCR	C3-C4-C5	-3.50	107.83	114.08
14	Z	505	CLA	CMB-C2B-C3B	3.50	131.23	124.68
14	2	508	CLA	CMB-C2B-C3B	3.50	131.23	124.68
14	r	517	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
14	2	506	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
17	u	521	BCR	C3-C4-C5	-3.50	107.83	114.08
14	2	510	CLA	CMB-C2B-C3B	3.50	131.22	124.68
17	q	521	BCR	C11-C10-C9	-3.50	122.32	127.31
21	3	822	SQD	O9-S-C6	3.50	111.09	106.94
17	f	4014	BCR	C16-C15-C14	-3.49	116.31	123.47
17	n	4219	BCR	C3-C4-C5	-3.49	107.84	114.08
17	Y	521	BCR	C11-C10-C9	-3.49	122.32	127.31
17	A	4007	BCR	C11-C10-C9	-3.49	122.32	127.31
14	Z	517	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
17	H	4014	BCR	C16-C15-C14	-3.49	116.32	123.47
14	d	501	CLA	O2D-CGD-O1D	-3.49	117.01	123.84
14	4	507	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
14	A	1107	CLA	CMB-C2B-C3B	3.49	131.21	124.68
17	G	4007	BCR	C11-C10-C9	-3.49	122.33	127.31
17	t	522	BCR	C28-C27-C26	-3.49	107.84	114.08
14	G	1107	CLA	CMB-C2B-C3B	3.49	131.21	124.68
14	r	511	CLA	CMB-C2B-C3B	3.49	131.21	124.68
17	4	523	BCR	C15-C16-C17	-3.49	116.33	123.47
14	2	511	CLA	CMB-C2B-C3B	3.49	131.21	124.68
15	f	2002	PQN	C14-C13-C15	-3.49	109.40	115.27
17	b	523	BCR	C15-C16-C17	-3.49	116.33	123.47
14	6	501	CLA	O2D-CGD-O1D	-3.49	117.02	123.84
21	d	822	SQD	O9-S-C6	3.49	111.08	106.94
14	Z	511	CLA	CMB-C2B-C3B	3.48	131.20	124.68
14	4	501	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
21	a	822	SQD	O9-S-C6	3.48	111.08	106.94
21	r	822	SQD	O9-S-C6	3.48	111.08	106.94
14	v	503	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
14	v	505	CLA	CMB-C2B-C3B	3.48	131.20	124.68
17	5	524	BCR	C7-C8-C9	-3.48	120.97	126.23
17	H	4005	BCR	C24-C23-C22	-3.48	120.97	126.23
17	B	4014	BCR	C16-C15-C14	-3.48	116.34	123.47
14	d	503	CLA	CMB-C2B-C1B	-3.48	123.11	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1204	CLA	CMB-C2B-C3B	3.48	131.19	124.68
14	r	506	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
17	l	521	BCR	C28-C27-C26	-3.48	107.86	114.08
14	6	505	CLA	CMB-C2B-C3B	3.48	131.19	124.68
17	c	524	BCR	C7-C8-C9	-3.48	120.97	126.23
21	Z	822	SQD	O9-S-C6	3.48	111.08	106.94
14	t	507	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
17	t	523	BCR	C15-C16-C17	-3.48	116.34	123.47
17	q	521	BCR	C28-C27-C26	-3.48	107.86	114.08
15	B	2002	PQN	C14-C13-C15	-3.48	109.42	115.27
14	Z	510	CLA	CMB-C2B-C3B	3.48	131.19	124.68
14	3	504	CLA	CMB-C2B-C3B	3.48	131.19	124.68
17	e	4007	BCR	C16-C17-C18	-3.48	122.34	127.31
21	6	822	SQD	O9-S-C6	3.48	111.07	106.94
14	Z	506	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
14	H	1204	CLA	CMB-C2B-C3B	3.48	131.18	124.68
14	H	1021	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
14	b	507	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
15	H	2002	PQN	C14-C13-C15	-3.48	109.42	115.27
17	G	4007	BCR	C16-C17-C18	-3.47	122.35	127.31
14	t	501	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	v	501	CLA	O2D-CGD-O1D	-3.47	117.05	123.84
17	b	522	BCR	C28-C27-C26	-3.47	107.88	114.08
17	Y	521	BCR	C28-C27-C26	-3.47	107.88	114.08
14	d	506	CLA	CMB-C2B-C3B	3.47	131.17	124.68
17	L	4219	BCR	C3-C4-C5	-3.47	107.88	114.08
17	B	4005	BCR	C24-C23-C22	-3.47	120.99	126.23
14	t	519	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
21	v	822	SQD	O7-S-C6	3.47	111.06	106.94
14	v	506	CLA	CMB-C2B-C3B	3.47	131.17	124.68
21	2	822	SQD	O9-S-C6	3.47	111.06	106.94
14	b	501	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	f	1021	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	s	517	CLA	CMB-C2B-C1B	-3.47	123.14	128.46
17	Z	523	BCR	C7-C8-C9	-3.47	121.00	126.23
14	6	503	CLA	CMB-C2B-C1B	-3.47	123.14	128.46
17	e	4007	BCR	C24-C23-C22	-3.46	121.00	126.23
17	A	4002	BCR	C24-C23-C22	-3.46	121.00	126.23
14	B	1021	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
17	u	524	BCR	C7-C8-C9	-3.46	121.00	126.23
14	a	504	CLA	CMB-C2B-C3B	3.46	131.16	124.68
17	A	4007	BCR	C24-C23-C22	-3.46	121.00	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1204	CLA	CMB-C2B-C3B	3.46	131.16	124.68
17	6	524	BCR	C33-C5-C6	-3.46	120.64	124.53
17	2	523	BCR	C7-C8-C9	-3.46	121.01	126.23
21	d	822	SQD	O7-S-C6	3.46	111.05	106.94
17	4	522	BCR	C28-C27-C26	-3.46	107.90	114.08
17	A	4007	BCR	C16-C17-C18	-3.46	122.37	127.31
17	G	4002	BCR	C24-C23-C22	-3.46	121.01	126.23
14	H	1240	CLA	CMB-C2B-C3B	3.46	131.15	124.68
21	v	822	SQD	O9-S-C6	3.46	111.05	106.94
17	e	4007	BCR	C11-C10-C9	-3.46	122.38	127.31
17	T	4013	BCR	C3-C4-C5	-3.46	107.90	114.08
17	f	4005	BCR	C24-C23-C22	-3.46	121.01	126.23
14	K	1105	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
14	6	506	CLA	CMB-C2B-C3B	3.46	131.14	124.68
17	V	4219	BCR	C3-C4-C5	-3.45	107.91	114.08
14	s	504	CLA	CMB-C2B-C3B	3.45	131.14	124.68
17	J	4012	BCR	C7-C8-C9	-3.45	121.02	126.23
17	T	4012	BCR	C7-C8-C9	-3.45	121.02	126.23
14	q	504	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
17	a	524	BCR	C11-C10-C9	-3.45	122.39	127.31
17	3	522	BCR	C28-C27-C26	-3.45	107.92	114.08
14	U	1105	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
14	t	512	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
17	V	4219	BCR	C33-C5-C4	3.45	120.24	113.62
17	G	4007	BCR	C24-C23-C22	-3.45	121.02	126.23
14	3	517	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
17	a	522	BCR	C28-C27-C26	-3.45	107.92	114.08
14	m	1401	CLA	CMB-C2B-C3B	3.45	131.13	124.68
21	1	822	SQD	O47-C7-C8	3.45	118.93	111.50
14	4	512	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
14	f	1240	CLA	CMB-C2B-C3B	3.45	131.12	124.68
17	s	524	BCR	C11-C10-C9	-3.45	122.39	127.31
21	6	822	SQD	O7-S-C6	3.44	111.03	106.94
17	b	522	BCR	C7-C8-C9	-3.44	121.03	126.23
17	e	4002	BCR	C24-C23-C22	-3.44	121.03	126.23
17	J	4013	BCR	C3-C4-C5	-3.44	107.93	114.08
14	B	1240	CLA	CMB-C2B-C3B	3.44	131.12	124.68
14	v	508	CLA	CMB-C2B-C3B	3.44	131.12	124.68
14	H	1220	CLA	CAA-CBA-CGA	-3.44	103.19	113.25
14	b	512	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
17	l	4012	BCR	C7-C8-C9	-3.44	121.03	126.23
17	L	4219	BCR	C33-C5-C4	3.44	120.23	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	u	517	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
17	e	4001	BCR	C15-C16-C17	-3.44	116.42	123.47
17	3	524	BCR	C11-C10-C9	-3.44	122.40	127.31
14	5	517	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
14	m	1105	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
14	6	508	CLA	CMB-C2B-C3B	3.44	131.11	124.68
14	d	508	CLA	CMB-C2B-C3B	3.44	131.11	124.68
17	L	4020	BCR	C16-C17-C18	-3.44	122.41	127.31
17	V	4019	BCR	C16-C17-C18	-3.44	122.41	127.31
17	A	4001	BCR	C15-C16-C17	-3.44	116.44	123.47
17	n	4219	BCR	C33-C5-C4	3.43	120.21	113.62
21	Y	822	SQD	O47-C7-C8	3.43	118.90	111.50
17	l	4013	BCR	C3-C4-C5	-3.43	107.95	114.08
17	J	4015	BCR	C11-C10-C9	-3.43	122.41	127.31
17	n	4020	BCR	C16-C17-C18	-3.43	122.41	127.31
14	B	1220	CLA	CAA-CBA-CGA	-3.43	103.22	113.25
14	K	1401	CLA	CMB-C2B-C3B	3.43	131.10	124.68
17	d	524	BCR	C33-C5-C6	-3.43	120.67	124.53
17	G	4007	BCR	C27-C26-C25	-3.43	117.75	122.73
21	q	822	SQD	O47-C7-C8	3.43	118.89	111.50
17	r	523	BCR	C7-C8-C9	-3.43	121.05	126.23
17	A	4002	BCR	C16-C15-C14	-3.43	116.45	123.47
17	G	4002	BCR	C16-C15-C14	-3.43	116.45	123.47
14	f	1220	CLA	CAA-CBA-CGA	-3.43	103.23	113.25
17	T	4015	BCR	C11-C10-C9	-3.43	122.42	127.31
14	H	1216	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	Y	513	CLA	CMB-C2B-C3B	3.43	131.09	124.68
14	l	504	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	a	517	CLA	CMB-C2B-C1B	-3.43	123.20	128.46
17	v	524	BCR	C33-C5-C6	-3.43	120.68	124.53
17	s	522	BCR	C28-C27-C26	-3.42	107.96	114.08
14	c	517	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
17	e	4007	BCR	C27-C26-C25	-3.42	117.76	122.73
14	U	1401	CLA	CMB-C2B-C3B	3.42	131.08	124.68
17	a	524	BCR	C33-C5-C6	-3.42	120.69	124.53
17	l	4015	BCR	C11-C10-C9	-3.42	122.43	127.31
17	V	4020	BCR	C16-C17-C18	-3.42	122.43	127.31
17	e	4002	BCR	C16-C15-C14	-3.42	116.47	123.47
14	s	503	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
17	3	524	BCR	C33-C5-C6	-3.42	120.69	124.53
17	G	4001	BCR	C15-C16-C17	-3.41	116.48	123.47
14	B	1216	CLA	CMB-C2B-C1B	-3.41	123.22	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	516	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	t	507	CLA	O2D-CGD-O1D	-3.41	117.17	123.84
17	4	522	BCR	C7-C8-C9	-3.41	121.08	126.23
14	1	516	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	H	1204	CLA	O2D-CGD-O1D	-3.41	117.17	123.84
17	A	4007	BCR	C27-C26-C25	-3.41	117.78	122.73
14	q	516	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	Y	504	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
17	3	524	BCR	C24-C23-C22	-3.41	121.09	126.23
14	e	1112	CLA	CMB-C2B-C3B	3.41	131.05	124.68
14	H	1218	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
21	Y	822	SQD	C4-C3-C2	3.41	116.77	110.82
21	1	822	SQD	C4-C3-C2	3.41	116.77	110.82
14	r	516	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
14	A	1112	CLA	CMB-C2B-C3B	3.41	131.05	124.68
17	s	524	BCR	C24-C23-C22	-3.40	121.09	126.23
14	G	1112	CLA	CMB-C2B-C3B	3.40	131.05	124.68
14	q	513	CLA	CMB-C2B-C3B	3.40	131.05	124.68
14	1	518	CLA	CMB-C2B-C1B	-3.40	123.23	128.46
17	L	4019	BCR	C16-C17-C18	-3.40	122.45	127.31
14	b	507	CLA	O2D-CGD-O1D	-3.40	117.18	123.84
14	f	1205	CLA	CMB-C2B-C1B	-3.40	123.23	128.46
17	3	523	BCR	C16-C17-C18	-3.40	122.45	127.31
17	n	4019	BCR	C16-C17-C18	-3.40	122.45	127.31
14	G	1139	CLA	CMB-C2B-C3B	3.40	131.04	124.68
14	e	1103	CLA	CHB-C4A-NA	3.40	129.22	124.51
14	4	507	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
14	f	1216	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
17	q	523	BCR	C28-C27-C26	-3.40	108.01	114.08
17	c	523	BCR	C16-C17-C18	-3.40	122.46	127.31
14	f	1204	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
17	s	524	BCR	C33-C5-C6	-3.40	120.71	124.53
17	a	523	BCR	C16-C17-C18	-3.40	122.46	127.31
14	A	1103	CLA	CHB-C4A-NA	3.40	129.21	124.51
17	t	522	BCR	C7-C8-C9	-3.40	121.10	126.23
14	1	513	CLA	CMB-C2B-C3B	3.40	131.03	124.68
14	A	1139	CLA	CMB-C2B-C3B	3.40	131.03	124.68
17	a	524	BCR	C24-C23-C22	-3.40	121.10	126.23
14	2	516	CLA	CMB-C2B-C1B	-3.40	123.25	128.46
17	1	523	BCR	C28-C27-C26	-3.39	108.02	114.08
17	Y	523	BCR	C28-C27-C26	-3.39	108.02	114.08
14	3	503	CLA	CMB-C2B-C1B	-3.39	123.25	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1139	CLA	CMB-C2B-C3B	3.39	131.02	124.68
14	Y	510	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
21	q	822	SQD	C4-C3-C2	3.39	116.74	110.82
14	a	503	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
14	q	518	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
14	e	1140	CLA	CAA-C2A-C3A	-3.39	103.50	112.78
17	f	4005	BCR	C16-C17-C18	-3.39	122.47	127.31
14	Z	516	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
14	Y	518	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
14	f	1227	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
14	H	1208	CLA	CMB-C2B-C3B	3.39	131.01	124.68
14	B	1204	CLA	O2D-CGD-O1D	-3.39	117.22	123.84
14	G	1124	CLA	CAA-C2A-C1A	-3.39	100.88	111.97
14	A	1140	CLA	CAA-C2A-C3A	-3.38	103.51	112.78
14	H	1205	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
21	q	822	SQD	C3-C4-C5	3.38	116.27	110.24
14	B	1218	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
17	u	522	BCR	C7-C8-C9	-3.38	121.12	126.23
14	G	1140	CLA	CAA-C2A-C3A	-3.38	103.52	112.78
14	A	1112	CLA	CHB-C4A-NA	3.38	129.19	124.51
14	B	1205	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	q	517	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
19	G	1849	LMU	C1'-O5'-C5'	3.38	120.32	113.69
21	l	822	SQD	C3-C4-C5	3.38	116.27	110.24
17	A	4002	BCR	C15-C14-C13	-3.38	122.49	127.31
14	Z	504	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	r	504	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
19	A	1849	LMU	C1'-O5'-C5'	3.38	120.32	113.69
17	s	523	BCR	C16-C17-C18	-3.38	122.49	127.31
17	c	522	BCR	C28-C27-C26	-3.38	108.05	114.08
14	l	510	CLA	CMB-C2B-C1B	-3.38	123.28	128.46
17	5	523	BCR	C16-C17-C18	-3.38	122.49	127.31
14	q	503	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
17	G	4002	BCR	C15-C14-C13	-3.37	122.50	127.31
14	G	1112	CLA	CHB-C4A-NA	3.37	129.18	124.51
14	e	1106	CLA	O2A-CGA-O1A	-3.37	115.08	123.59
21	L	5216	SQD	O9-S-C6	3.37	110.95	106.94
19	e	1849	LMU	C1'-O5'-C5'	3.37	120.31	113.69
17	c	524	BCR	C16-C17-C18	-3.37	122.50	127.31
14	f	1208	CLA	CMB-C2B-C3B	3.37	130.99	124.68
17	5	522	BCR	C7-C8-C9	-3.37	121.14	126.23
17	u	522	BCR	C28-C27-C26	-3.37	108.06	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1103	CLA	CHB-C4A-NA	3.37	129.17	124.51
14	A	1124	CLA	CAA-C2A-C1A	-3.37	100.93	111.97
14	f	1218	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
14	e	1112	CLA	CHB-C4A-NA	3.37	129.17	124.51
14	r	503	CLA	CMB-C2B-C3B	3.37	130.98	124.68
17	5	524	BCR	C16-C17-C18	-3.37	122.50	127.31
14	l	517	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
14	G	1106	CLA	O2A-CGA-O1A	-3.37	115.09	123.59
14	B	1208	CLA	CMB-C2B-C3B	3.37	130.98	124.68
14	B	1227	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
14	B	1221	CLA	CHB-C4A-NA	3.37	129.17	124.51
17	a	523	BCR	C20-C21-C22	-3.37	122.50	127.31
14	f	1221	CLA	CHB-C4A-NA	3.37	129.17	124.51
17	e	4002	BCR	C15-C14-C13	-3.37	122.50	127.31
14	q	510	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
21	V	5216	SQD	O9-S-C6	3.37	110.94	106.94
17	B	4005	BCR	C16-C17-C18	-3.37	122.51	127.31
14	H	1221	CLA	CHB-C4A-NA	3.36	129.16	124.51
17	c	522	BCR	C7-C8-C9	-3.36	121.15	126.23
14	A	1106	CLA	O2A-CGA-O1A	-3.36	115.10	123.59
14	e	1124	CLA	CAA-C2A-C1A	-3.36	100.95	111.97
17	n	4022	BCR	C16-C15-C14	-3.36	116.59	123.47
17	H	4017	BCR	C21-C20-C19	-3.36	112.73	123.22
17	u	523	BCR	C16-C17-C18	-3.36	122.51	127.31
17	5	522	BCR	C28-C27-C26	-3.36	108.08	114.08
14	2	504	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
14	Y	503	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
14	t	518	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
21	Y	822	SQD	C3-C4-C5	3.36	116.23	110.24
14	e	1133	CLA	CMB-C2B-C3B	3.36	130.96	124.68
14	G	1133	CLA	CMB-C2B-C3B	3.36	130.96	124.68
17	B	4017	BCR	C21-C20-C19	-3.36	112.74	123.22
14	l	503	CLA	CMB-C2B-C1B	-3.36	123.31	128.46
17	u	524	BCR	C16-C17-C18	-3.35	122.52	127.31
14	Z	503	CLA	CMB-C2B-C3B	3.35	130.95	124.68
17	d	522	BCR	C28-C27-C26	-3.35	108.09	114.08
14	4	518	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
17	d	522	BCR	C24-C23-C22	-3.35	121.17	126.23
17	3	523	BCR	C20-C21-C22	-3.35	122.53	127.31
14	b	518	CLA	CMB-C2B-C1B	-3.34	123.32	128.46
14	2	503	CLA	CMB-C2B-C3B	3.34	130.94	124.68
17	L	4022	BCR	C16-C15-C14	-3.34	116.62	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	n	5216	SQD	O9-S-C6	3.34	110.91	106.94
17	f	4017	BCR	C21-C20-C19	-3.34	112.78	123.22
17	H	4005	BCR	C16-C17-C18	-3.34	122.54	127.31
14	1	512	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	H	1227	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	A	1133	CLA	CMB-C2B-C3B	3.34	130.93	124.68
14	f	1214	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
17	6	522	BCR	C28-C27-C26	-3.34	108.11	114.08
14	G	1138	CLA	O2D-CGD-O1D	-3.34	117.31	123.84
17	G	4011	BCR	C16-C17-C18	-3.34	122.55	127.31
14	B	1214	CLA	CMB-C2B-C1B	-3.34	123.34	128.46
14	1	507	CLA	CMB-C2B-C3B	3.34	130.92	124.68
14	Y	517	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
17	u	523	BCR	C10-C11-C12	-3.33	112.81	123.22
17	V	4022	BCR	C16-C15-C14	-3.33	116.65	123.47
17	v	522	BCR	C24-C23-C22	-3.33	121.20	126.23
19	l	5105	LMU	O5'-C1'-C2'	3.33	117.40	110.35
17	n	4020	BCR	C20-C21-C22	-3.33	122.56	127.31
19	T	5105	LMU	O5'-C1'-C2'	3.33	117.40	110.35
17	s	523	BCR	C20-C21-C22	-3.33	122.56	127.31
17	V	4020	BCR	C20-C21-C22	-3.33	122.56	127.31
19	J	5105	LMU	O5'-C1'-C2'	3.33	117.39	110.35
14	q	507	CLA	CMB-C2B-C3B	3.33	130.90	124.68
17	5	523	BCR	C10-C11-C12	-3.33	112.83	123.22
14	A	1138	CLA	O2D-CGD-O1D	-3.33	117.33	123.84
14	q	512	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
14	Y	512	CLA	CMB-C2B-C1B	-3.32	123.35	128.46
14	s	501	CLA	CMB-C2B-C3B	3.32	130.90	124.68
17	n	4022	BCR	C15-C14-C13	-3.32	122.57	127.31
14	e	1101	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
17	A	4011	BCR	C16-C17-C18	-3.32	122.57	127.31
17	c	523	BCR	C10-C11-C12	-3.32	112.86	123.22
17	L	4020	BCR	C20-C21-C22	-3.32	122.57	127.31
17	6	522	BCR	C24-C23-C22	-3.32	121.22	126.23
14	a	501	CLA	CMB-C2B-C3B	3.32	130.88	124.68
14	e	1102	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
14	A	1101	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
19	T	5105	LMU	C1'-O5'-C5'	3.31	120.19	113.69
14	e	1138	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
17	v	522	BCR	C28-C27-C26	-3.31	108.16	114.08
14	Y	507	CLA	CMB-C2B-C3B	3.31	130.88	124.68
14	G	1101	CLA	CMB-C2B-C1B	-3.31	123.37	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	s	822	SQD	O48-C23-C24	3.31	120.07	111.38
14	t	503	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
14	G	1102	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
14	H	1239	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
14	A	1102	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
14	e	1125	CLA	C6-C5-C3	3.31	122.13	113.45
14	f	1239	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
14	3	501	CLA	CMB-C2B-C3B	3.31	130.87	124.68
17	e	4011	BCR	C16-C17-C18	-3.31	122.59	127.31
14	B	1239	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
14	T	1302	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
14	G	1125	CLA	C6-C5-C3	3.31	122.12	113.45
17	v	522	BCR	C15-C16-C17	-3.31	116.70	123.47
17	r	523	BCR	C20-C21-C22	-3.31	122.59	127.31
21	3	822	SQD	O48-C23-C24	3.30	120.05	111.38
21	a	822	SQD	O48-C23-C24	3.30	120.04	111.38
17	L	4022	BCR	C15-C14-C13	-3.30	122.59	127.31
19	J	5105	LMU	C1'-O5'-C5'	3.30	120.17	113.69
14	A	1125	CLA	C6-C5-C3	3.30	122.11	113.45
14	Z	513	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
14	G	1120	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
17	f	4005	BCR	C20-C21-C22	-3.30	122.60	127.31
21	Y	822	SQD	C44-O6-C1	3.30	120.18	113.74
14	2	516	CLA	O2D-CGD-O1D	-3.30	117.39	123.84
14	H	1214	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
14	2	513	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
14	l	1302	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
14	G	1132	CLA	O2D-CGD-CBD	3.29	117.12	111.27
17	V	4022	BCR	C15-C14-C13	-3.29	122.61	127.31
17	Y	522	BCR	C28-C27-C26	-3.29	108.20	114.08
14	4	503	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
14	Z	516	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
14	r	513	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
21	q	822	SQD	C44-O6-C1	3.29	120.17	113.74
17	B	4005	BCR	C20-C21-C22	-3.29	122.62	127.31
17	b	522	BCR	C11-C10-C9	-3.29	122.62	127.31
17	l	522	BCR	C28-C27-C26	-3.29	108.21	114.08
14	r	516	CLA	O2D-CGD-O1D	-3.29	117.41	123.84
14	A	1108	CLA	CMB-C2B-C3B	3.29	130.83	124.68
17	t	523	BCR	C20-C21-C22	-3.29	122.62	127.31
17	q	522	BCR	C28-C27-C26	-3.29	108.21	114.08
14	e	1120	CLA	O2D-CGD-O1D	-3.29	117.41	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b	521	BCR	C16-C17-C18	-3.29	122.62	127.31
21	d	822	SQD	C1-O5-C5	3.29	120.14	113.69
17	Z	522	BCR	C24-C23-C22	-3.29	121.27	126.23
14	f	1206	CLA	O2D-CGD-O1D	-3.29	117.41	123.84
17	2	523	BCR	C20-C21-C22	-3.28	122.62	127.31
14	J	1302	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
14	B	1229	CLA	CHD-C1D-ND	-3.28	121.44	124.45
17	b	523	BCR	C33-C5-C6	-3.28	120.84	124.53
14	A	1120	CLA	O2D-CGD-O1D	-3.28	117.42	123.84
19	l	5105	LMU	C1'-O5'-C5'	3.28	120.13	113.69
14	G	1108	CLA	CMB-C2B-C3B	3.28	130.82	124.68
21	b	822	SQD	C44-O6-C1	3.28	120.15	113.74
21	6	822	SQD	C1-O5-C5	3.28	120.13	113.69
14	e	1108	CLA	CMB-C2B-C3B	3.28	130.82	124.68
21	v	822	SQD	C1-O5-C5	3.28	120.13	113.69
14	H	1205	CLA	O2A-CGA-O1A	-3.28	115.31	123.59
17	4	523	BCR	C33-C5-C6	-3.28	120.85	124.53
17	J	4013	BCR	C15-C14-C13	-3.28	122.63	127.31
17	c	523	BCR	C28-C27-C26	-3.28	108.22	114.08
14	e	1118	CLA	CHB-C4A-NA	3.28	129.04	124.51
14	f	1229	CLA	CHD-C1D-ND	-3.28	121.44	124.45
14	f	1205	CLA	O2A-CGA-O1A	-3.28	115.32	123.59
14	A	1132	CLA	O2D-CGD-CBD	3.28	117.09	111.27
17	6	522	BCR	C15-C16-C17	-3.28	116.76	123.47
21	1	822	SQD	C44-O6-C1	3.28	120.14	113.74
17	o	4021	BCR	C38-C26-C25	-3.28	120.85	124.53
14	B	1205	CLA	O2A-CGA-O1A	-3.28	115.33	123.59
21	t	822	SQD	C44-O6-C1	3.27	120.14	113.74
17	4	522	BCR	C11-C10-C9	-3.27	122.64	127.31
17	j	4016	BCR	C16-C17-C18	-3.27	122.64	127.31
17	Z	523	BCR	C20-C21-C22	-3.27	122.64	127.31
17	d	522	BCR	C15-C16-C17	-3.27	116.77	123.47
14	6	513	CLA	CMB-C2B-C1B	-3.27	123.43	128.46
17	5	524	BCR	C11-C10-C9	-3.27	122.64	127.31
17	5	523	BCR	C28-C27-C26	-3.27	108.24	114.08
17	n	4019	BCR	C20-C21-C22	-3.27	122.64	127.31
17	t	523	BCR	C33-C5-C6	-3.27	120.86	124.53
17	F	4016	BCR	C16-C17-C18	-3.27	122.65	127.31
17	4	521	BCR	C16-C17-C18	-3.27	122.65	127.31
17	T	4013	BCR	C15-C14-C13	-3.27	122.65	127.31
14	A	1134	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
14	b	503	CLA	CMB-C2B-C1B	-3.27	123.44	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	523	BCR	C20-C21-C22	-3.27	122.65	127.31
14	e	1134	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
17	u	524	BCR	C11-C10-C9	-3.26	122.65	127.31
17	u	523	BCR	C28-C27-C26	-3.26	108.25	114.08
21	4	822	SQD	C44-O6-C1	3.26	120.11	113.74
17	R	4016	BCR	C16-C17-C18	-3.26	122.65	127.31
17	t	521	BCR	C16-C17-C18	-3.26	122.65	127.31
14	a	507	CLA	CMB-C2B-C3B	3.26	130.78	124.68
14	e	1132	CLA	O2D-CGD-CBD	3.26	117.07	111.27
17	H	4005	BCR	C20-C21-C22	-3.26	122.65	127.31
17	4	521	BCR	C3-C4-C5	-3.26	108.25	114.08
17	t	521	BCR	C3-C4-C5	-3.26	108.25	114.08
17	L	4019	BCR	C20-C21-C22	-3.26	122.66	127.31
17	c	522	BCR	C24-C23-C22	-3.26	121.31	126.23
14	G	1118	CLA	CHB-C4A-NA	3.26	129.02	124.51
14	d	510	CLA	CMB-C2B-C3B	3.26	130.78	124.68
14	U	1401	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
17	t	522	BCR	C11-C10-C9	-3.26	122.66	127.31
14	H	1023	CLA	CHB-C4A-NA	3.26	129.02	124.51
17	u	522	BCR	C24-C23-C22	-3.26	121.31	126.23
14	B	1206	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
14	2	507	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
14	A	1118	CLA	CHB-C4A-NA	3.26	129.01	124.51
14	e	1119	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
14	1	519	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
14	G	1134	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
17	W	4021	BCR	C38-C26-C25	-3.25	120.87	124.53
17	l	4013	BCR	C15-C14-C13	-3.25	122.67	127.31
14	A	1119	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
14	3	507	CLA	CMB-C2B-C3B	3.25	130.77	124.68
14	q	511	CLA	CMB-C2B-C3B	3.25	130.77	124.68
14	c	513	CLA	CMB-C2B-C1B	-3.25	123.46	128.46
14	5	513	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
17	b	521	BCR	C3-C4-C5	-3.25	108.27	114.08
17	t	524	BCR	C1-C6-C5	-3.25	118.03	122.61
14	H	1206	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
17	3	521	BCR	C3-C4-C5	-3.25	108.27	114.08
14	Y	511	CLA	CMB-C2B-C3B	3.25	130.76	124.68
17	4	524	BCR	C1-C6-C5	-3.25	118.04	122.61
17	2	522	BCR	C24-C23-C22	-3.25	121.33	126.23
14	K	1401	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
14	H	1229	CLA	CHD-C1D-ND	-3.25	121.47	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	q	519	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
17	5	522	BCR	C24-C23-C22	-3.25	121.33	126.23
17	b	523	BCR	C20-C21-C22	-3.25	122.67	127.31
14	f	1217	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
17	c	524	BCR	C11-C10-C9	-3.25	122.68	127.31
17	M	4021	BCR	C38-C26-C25	-3.25	120.88	124.53
14	A	1122	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
14	c	503	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
14	Z	507	CLA	O2D-CGD-O1D	-3.25	117.49	123.84
14	s	507	CLA	CMB-C2B-C3B	3.25	130.75	124.68
14	G	1119	CLA	O2D-CGD-O1D	-3.24	117.49	123.84
14	5	507	CLA	CMB-C2B-C3B	3.24	130.75	124.68
17	V	4019	BCR	C20-C21-C22	-3.24	122.68	127.31
17	s	521	BCR	C3-C4-C5	-3.24	108.29	114.08
14	r	507	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
14	V	1503	CLA	CMB-C2B-C3B	3.24	130.74	124.68
14	u	503	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
14	l	511	CLA	CMB-C2B-C3B	3.24	130.74	124.68
17	f	4005	BCR	C11-C10-C9	-3.24	122.69	127.31
14	6	510	CLA	CMB-C2B-C3B	3.24	130.74	124.68
17	G	4007	BCR	C7-C8-C9	-3.24	121.34	126.23
14	G	1106	CLA	O2D-CGD-O1D	-3.24	117.51	123.84
14	u	507	CLA	CMB-C2B-C3B	3.24	130.73	124.68
17	a	521	BCR	C3-C4-C5	-3.23	108.30	114.08
14	f	1023	CLA	CHB-C4A-NA	3.23	128.99	124.51
14	L	1503	CLA	CMB-C2B-C3B	3.23	130.73	124.68
14	B	1023	CLA	CHB-C4A-NA	3.23	128.98	124.51
17	f	4014	BCR	C3-C4-C5	-3.23	108.30	114.08
14	s	510	CLA	CMB-C2B-C3B	3.23	130.73	124.68
17	H	4014	BCR	C3-C4-C5	-3.23	108.30	114.08
14	c	507	CLA	CMB-C2B-C3B	3.23	130.73	124.68
14	A	1106	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
14	G	1122	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
14	n	1503	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	f	1202	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
21	t	822	SQD	C4-C3-C2	3.23	116.47	110.82
14	A	1105	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
14	Y	519	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
14	3	510	CLA	CMB-C2B-C3B	3.23	130.72	124.68
21	b	822	SQD	C4-C3-C2	3.23	116.46	110.82
14	m	1401	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
14	e	1122	CLA	CMB-C2B-C1B	-3.23	123.50	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1115	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
14	d	513	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
17	r	522	BCR	C24-C23-C22	-3.23	121.36	126.23
14	t	509	CLA	CHB-C4A-NA	3.23	128.97	124.51
21	4	822	SQD	C4-C3-C2	3.23	116.46	110.82
14	5	503	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
14	u	513	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
14	B	1202	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
14	G	1105	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
14	l	1303	CLA	O2D-CGD-O1D	-3.23	117.53	123.84
17	b	524	BCR	C1-C6-C5	-3.23	118.07	122.61
17	6	522	BCR	C3-C4-C5	-3.23	108.32	114.08
17	d	522	BCR	C3-C4-C5	-3.23	108.32	114.08
17	B	4014	BCR	C3-C4-C5	-3.22	108.32	114.08
14	v	510	CLA	CMB-C2B-C3B	3.22	130.71	124.68
14	T	1303	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
14	G	1138	CLA	CHB-C4A-NA	3.22	128.97	124.51
14	v	513	CLA	CMB-C2B-C1B	-3.22	123.51	128.46
14	H	1202	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
17	e	4007	BCR	C7-C8-C9	-3.22	121.37	126.23
21	Z	822	SQD	C1-O5-C5	3.22	120.01	113.69
14	H	1217	CLA	CMB-C2B-C1B	-3.22	123.52	128.46
14	4	509	CLA	CHB-C4A-NA	3.22	128.96	124.51
17	B	4005	BCR	C11-C10-C9	-3.22	122.72	127.31
14	e	1106	CLA	O2D-CGD-O1D	-3.22	117.55	123.84
14	b	509	CLA	CHB-C4A-NA	3.22	128.96	124.51
14	e	1105	CLA	O2D-CGD-O1D	-3.21	117.55	123.84
17	M	4021	BCR	C20-C19-C18	-3.21	117.39	126.42
17	Y	522	BCR	C24-C23-C22	-3.21	121.38	126.23
17	o	4021	BCR	C20-C19-C18	-3.21	117.39	126.42
14	B	1217	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
17	t	523	BCR	C28-C27-C26	-3.21	108.34	114.08
17	A	4007	BCR	C7-C8-C9	-3.21	121.38	126.23
14	a	510	CLA	CMB-C2B-C3B	3.21	130.69	124.68
14	J	1303	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
17	t	521	BCR	C28-C27-C26	-3.21	108.34	114.08
14	A	1115	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
17	H	4004	BCR	C33-C5-C6	-3.21	120.92	124.53
14	d	507	CLA	CMB-C2B-C3B	3.21	130.68	124.68
14	6	507	CLA	CMB-C2B-C3B	3.21	130.68	124.68
17	l	522	BCR	C24-C23-C22	-3.21	121.39	126.23
17	4	521	BCR	C28-C27-C26	-3.21	108.35	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	5	506	CLA	CMB-C2B-C3B	3.21	130.68	124.68
14	A	1138	CLA	CHB-C4A-NA	3.21	128.94	124.51
17	L	4019	BCR	C28-C27-C26	-3.21	108.35	114.08
17	n	4019	BCR	C28-C27-C26	-3.21	108.35	114.08
14	G	1115	CLA	O2D-CGD-O1D	-3.20	117.57	123.84
14	c	506	CLA	CMB-C2B-C3B	3.20	130.67	124.68
14	q	509	CLA	CMB-C2B-C3B	3.20	130.67	124.68
17	V	4019	BCR	C28-C27-C26	-3.20	108.36	114.08
14	v	507	CLA	CMB-C2B-C3B	3.20	130.67	124.68
17	H	4005	BCR	C11-C10-C9	-3.20	122.74	127.31
17	v	522	BCR	C3-C4-C5	-3.20	108.36	114.08
17	q	522	BCR	C24-C23-C22	-3.20	121.40	126.23
21	2	822	SQD	C1-O5-C5	3.20	119.97	113.69
14	t	510	CLA	CMB-C2B-C3B	3.20	130.67	124.68
21	d	822	SQD	C44-O6-C1	3.20	119.99	113.74
17	Y	521	BCR	C7-C8-C9	-3.20	121.40	126.23
14	4	510	CLA	CMB-C2B-C3B	3.20	130.66	124.68
14	b	510	CLA	CMB-C2B-C3B	3.20	130.66	124.68
17	W	4021	BCR	C20-C19-C18	-3.20	117.43	126.42
14	v	511	CLA	CMB-C2B-C3B	3.20	130.66	124.68
21	b	822	SQD	O7-S-C6	3.20	110.74	106.94
21	r	822	SQD	C1-O5-C5	3.20	119.96	113.69
17	c	521	BCR	C11-C10-C9	-3.20	122.75	127.31
17	b	521	BCR	C28-C27-C26	-3.20	108.37	114.08
17	B	4004	BCR	C33-C5-C6	-3.20	120.94	124.53
17	4	523	BCR	C28-C27-C26	-3.20	108.37	114.08
14	u	506	CLA	CMB-C2B-C3B	3.19	130.65	124.68
17	2	522	BCR	C28-C27-C26	-3.19	108.38	114.08
14	H	1209	CLA	CMB-C2B-C3B	3.19	130.65	124.68
14	1	509	CLA	CMB-C2B-C3B	3.19	130.65	124.68
17	G	4001	BCR	C24-C23-C22	-3.19	121.41	126.23
17	s	521	BCR	C11-C10-C9	-3.19	122.76	127.31
17	3	521	BCR	C11-C10-C9	-3.19	122.76	127.31
17	G	4007	BCR	C20-C21-C22	-3.19	122.76	127.31
17	1	524	BCR	C8-C7-C6	-3.19	118.25	127.20
14	H	1205	CLA	CBA-CAA-C2A	3.19	123.27	113.86
14	G	1103	CLA	O2D-CGD-O1D	-3.19	117.61	123.84
14	f	1205	CLA	CBA-CAA-C2A	3.19	123.27	113.86
21	4	822	SQD	O7-S-C6	3.19	110.72	106.94
17	5	521	BCR	C11-C10-C9	-3.19	122.76	127.31
14	A	1103	CLA	O2D-CGD-O1D	-3.18	117.61	123.84
17	r	522	BCR	C28-C27-C26	-3.18	108.39	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	518	CLA	CMB-C2B-C3B	3.18	130.63	124.68
14	s	505	CLA	CMB-C2B-C3B	3.18	130.63	124.68
17	Z	522	BCR	C28-C27-C26	-3.18	108.39	114.08
17	Y	524	BCR	C11-C10-C9	-3.18	122.77	127.31
17	u	521	BCR	C11-C10-C9	-3.18	122.77	127.31
14	e	1106	CLA	C1-C2-C3	-3.18	120.54	126.04
17	Y	524	BCR	C8-C7-C6	-3.18	118.27	127.20
21	6	822	SQD	C44-O6-C1	3.18	119.95	113.74
14	B	1205	CLA	CBA-CAA-C2A	3.18	123.25	113.86
17	Y	523	BCR	C21-C20-C19	-3.18	113.29	123.22
17	s	522	BCR	C11-C12-C13	-3.18	117.48	126.42
17	q	524	BCR	C8-C7-C6	-3.18	118.27	127.20
17	S	4018	BCR	C11-C10-C9	-3.18	122.77	127.31
14	d	511	CLA	CMB-C2B-C3B	3.18	130.62	124.68
17	A	4001	BCR	C24-C23-C22	-3.18	121.43	126.23
17	l	523	BCR	C21-C20-C19	-3.18	113.30	123.22
17	b	523	BCR	C28-C27-C26	-3.18	108.40	114.08
14	u	519	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
14	B	1209	CLA	CMB-C2B-C3B	3.18	130.62	124.68
17	l	521	BCR	C7-C8-C9	-3.18	121.44	126.23
14	G	1137	CLA	CMB-C2B-C3B	3.18	130.62	124.68
14	6	511	CLA	CMB-C2B-C3B	3.18	130.62	124.68
14	u	508	CLA	CHB-C4A-NA	3.18	128.90	124.51
14	G	1132	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
14	s	513	CLA	CMB-C2B-C1B	-3.17	123.58	128.46
17	q	523	BCR	C21-C20-C19	-3.17	113.31	123.22
14	3	505	CLA	CMB-C2B-C3B	3.17	130.62	124.68
17	q	524	BCR	C11-C10-C9	-3.17	122.78	127.31
14	G	1106	CLA	C1-C2-C3	-3.17	120.56	126.04
14	H	1207	CLA	CMB-C2B-C1B	-3.17	123.59	128.46
17	A	4007	BCR	C20-C21-C22	-3.17	122.78	127.31
14	d	517	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	l	524	BCR	C11-C10-C9	-3.17	122.78	127.31
14	e	1137	CLA	CMB-C2B-C3B	3.17	130.61	124.68
14	f	1209	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	f	4004	BCR	C33-C5-C6	-3.17	120.97	124.53
17	H	4009	BCR	C3-C4-C5	-3.17	108.42	114.08
21	v	822	SQD	C44-O6-C1	3.17	119.93	113.74
17	5	521	BCR	C24-C23-C22	-3.17	121.45	126.23
14	6	517	CLA	CMB-C2B-C3B	3.17	130.60	124.68
14	Y	509	CLA	CMB-C2B-C3B	3.17	130.60	124.68
14	c	519	CLA	CMB-C2B-C1B	-3.17	123.60	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	505	CLA	CMB-C2B-C3B	3.17	130.60	124.68
14	5	519	CLA	CMB-C2B-C1B	-3.16	123.60	128.46
14	e	1132	CLA	CMB-C2B-C1B	-3.16	123.60	128.46
14	r	518	CLA	CMB-C2B-C3B	3.16	130.60	124.68
14	f	1221	CLA	O2D-CGD-O1D	-3.16	117.65	123.84
17	c	521	BCR	C24-C23-C22	-3.16	121.45	126.23
14	e	1103	CLA	O2D-CGD-O1D	-3.16	117.65	123.84
17	e	4001	BCR	C24-C23-C22	-3.16	121.46	126.23
17	s	523	BCR	C24-C23-C22	-3.16	121.46	126.23
14	A	1106	CLA	C1-C2-C3	-3.16	120.58	126.04
21	t	822	SQD	O7-S-C6	3.16	110.69	106.94
14	q	508	CLA	CHB-C4A-NA	3.16	128.88	124.51
17	k	4018	BCR	C11-C10-C9	-3.16	122.80	127.31
14	b	506	CLA	CMB-C2B-C3B	3.16	130.59	124.68
14	q	505	CLA	CMB-C2B-C3B	3.16	130.59	124.68
14	B	1207	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
17	e	4007	BCR	C20-C21-C22	-3.16	122.80	127.31
17	3	522	BCR	C11-C12-C13	-3.16	117.55	126.42
14	B	1202	CLA	CHB-C4A-NA	3.16	128.88	124.51
17	a	522	BCR	C11-C12-C13	-3.16	117.55	126.42
14	4	505	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
14	1	505	CLA	CMB-C2B-C3B	3.16	130.58	124.68
14	2	518	CLA	CMB-C2B-C3B	3.16	130.58	124.68
17	f	4009	BCR	C3-C4-C5	-3.16	108.44	114.08
14	Y	505	CLA	CMB-C2B-C3B	3.16	130.58	124.68
14	A	1137	CLA	CMB-C2B-C3B	3.16	130.58	124.68
14	s	516	CLA	CMB-C2B-C3B	3.16	130.58	124.68
17	B	4009	BCR	C3-C4-C5	-3.15	108.44	114.08
14	e	1138	CLA	CHB-C4A-NA	3.15	128.87	124.51
14	3	513	CLA	CMB-C2B-C1B	-3.15	123.62	128.46
14	B	1023	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
14	B	1221	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
14	H	1023	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
14	f	1202	CLA	CHB-C4A-NA	3.15	128.87	124.51
14	b	516	CLA	CMB-C2B-C3B	3.15	130.57	124.68
17	a	521	BCR	C11-C10-C9	-3.15	122.81	127.31
17	q	521	BCR	C7-C8-C9	-3.15	121.47	126.23
14	v	517	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	v	516	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	H	1221	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
14	4	506	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	A	1132	CLA	CMB-C2B-C1B	-3.15	123.62	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	5	508	CLA	CHB-C4A-NA	3.15	128.87	124.51
14	n	1502	CLA	CHB-C4A-NA	3.15	128.87	124.51
17	3	523	BCR	C24-C23-C22	-3.15	121.48	126.23
14	a	516	CLA	CBC-CAC-C3C	3.15	121.11	112.43
14	t	516	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	Z	501	CLA	CHB-C4A-NA	3.15	128.86	124.51
17	I	4018	BCR	C11-C10-C9	-3.15	122.82	127.31
14	H	1012	CLA	C1B-CHB-C4A	-3.15	123.89	130.12
14	G	1108	CLA	O2D-CGD-O1D	-3.14	117.69	123.84
14	3	516	CLA	CBC-CAC-C3C	3.14	121.10	112.43
14	A	1013	CLA	CAA-CBA-CGA	-3.14	104.07	113.25
14	e	1013	CLA	CAA-CBA-CGA	-3.14	104.07	113.25
14	b	505	CLA	CMB-C2B-C1B	-3.14	123.63	128.46
14	f	1023	CLA	O2D-CGD-O1D	-3.14	117.69	123.84
14	K	1105	CLA	CMC-C2C-C1C	-3.14	120.25	125.04
14	U	1105	CLA	CMC-C2C-C1C	-3.14	120.25	125.04
14	V	1502	CLA	CHD-C1D-ND	-3.14	121.57	124.45
14	c	501	CLA	CMB-C2B-C3B	3.14	130.55	124.68
14	G	1101	CLA	CHB-C4A-NA	3.14	128.85	124.51
20	H	5002	LMG	O6-C1-O1	-3.14	102.54	109.97
14	5	518	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
14	3	516	CLA	CMB-C2B-C3B	3.14	130.55	124.68
14	e	1101	CLA	CHB-C4A-NA	3.14	128.85	124.51
14	t	504	CLA	CMB-C2B-C3B	3.14	130.55	124.68
14	a	513	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
14	f	1207	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
14	t	505	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
14	4	516	CLA	CMB-C2B-C3B	3.14	130.55	124.68
17	I	4018	BCR	C1-C6-C5	-3.14	118.20	122.61
14	u	518	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
21	Z	822	SQD	O5-C5-C4	3.14	115.39	109.69
14	c	518	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
14	f	1213	CLA	CHB-C4A-NA	3.13	128.85	124.51
17	f	4006	BCR	C16-C17-C18	-3.13	122.84	127.31
14	5	501	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	f	1012	CLA	C1B-CHB-C4A	-3.13	123.91	130.12
17	Z	521	BCR	C7-C8-C9	-3.13	121.50	126.23
14	G	1013	CLA	CAA-CBA-CGA	-3.13	104.10	113.25
14	b	504	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	B	1205	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
17	a	523	BCR	C24-C23-C22	-3.13	121.50	126.23
14	6	516	CLA	CMB-C2B-C3B	3.13	130.54	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	t	506	CLA	CMB-C2B-C3B	3.13	130.54	124.68
21	2	822	SQD	O5-C5-C4	3.13	115.38	109.69
14	d	516	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	B	1213	CLA	CHB-C4A-NA	3.13	128.84	124.51
14	2	501	CLA	CHB-C4A-NA	3.13	128.84	124.51
14	B	1012	CLA	C1B-CHB-C4A	-3.13	123.92	130.12
14	f	1205	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
17	u	521	BCR	C24-C23-C22	-3.13	121.51	126.23
14	m	1105	CLA	CMC-C2C-C1C	-3.13	120.27	125.04
20	B	5002	LMG	O6-C1-O1	-3.13	102.56	109.97
14	4	504	CLA	CMB-C2B-C3B	3.13	130.53	124.68
14	s	516	CLA	CBC-CAC-C3C	3.13	121.05	112.43
14	f	1220	CLA	CMB-C2B-C1B	-3.13	123.66	128.46
17	k	4018	BCR	C1-C6-C5	-3.13	118.21	122.61
21	r	822	SQD	O5-C5-C4	3.13	115.37	109.69
14	n	1502	CLA	CHD-C1D-ND	-3.13	121.58	124.45
17	S	4018	BCR	C20-C21-C22	-3.13	122.85	127.31
14	a	502	CLA	CHB-C4A-NA	3.12	128.83	124.51
14	A	1108	CLA	O2D-CGD-O1D	-3.12	117.73	123.84
14	L	1502	CLA	CHB-C4A-NA	3.12	128.83	124.51
14	l	508	CLA	CHB-C4A-NA	3.12	128.83	124.51
17	Y	524	BCR	C7-C8-C9	-3.12	121.52	126.23
17	T	4013	BCR	C2-C1-C6	3.12	115.29	110.48
14	e	1137	CLA	CHB-C4A-NA	3.12	128.83	124.51
14	H	1205	CLA	O2D-CGD-O1D	-3.12	117.73	123.84
17	2	521	BCR	C7-C8-C9	-3.12	121.52	126.23
14	L	1502	CLA	CHD-C1D-ND	-3.12	121.58	124.45
14	B	1201	CLA	CHB-C4A-NA	3.12	128.83	124.51
14	Y	508	CLA	CHB-C4A-NA	3.12	128.83	124.51
14	c	508	CLA	CHB-C4A-NA	3.12	128.83	124.51
14	r	501	CLA	CHB-C4A-NA	3.12	128.83	124.51
20	f	5002	LMG	O6-C1-O1	-3.12	102.58	109.97
14	a	516	CLA	CMB-C2B-C3B	3.12	130.52	124.68
14	u	501	CLA	CMB-C2B-C3B	3.12	130.52	124.68
17	m	4104	BCR	C11-C10-C9	-3.12	122.86	127.31
17	l	524	BCR	C7-C8-C9	-3.12	121.52	126.23
14	e	1108	CLA	O2D-CGD-O1D	-3.12	117.74	123.84
14	B	1220	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
14	A	1101	CLA	CHB-C4A-NA	3.12	128.82	124.51
17	q	524	BCR	C7-C8-C9	-3.12	121.53	126.23
14	l	504	CLA	O2D-CGD-CBD	3.11	116.80	111.27
14	H	1220	CLA	CMB-C2B-C1B	-3.11	123.68	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1213	CLA	CHB-C4A-NA	3.11	128.82	124.51
17	I	4018	BCR	C20-C21-C22	-3.11	122.87	127.31
14	V	1502	CLA	CHB-C4A-NA	3.11	128.81	124.51
14	q	504	CLA	O2D-CGD-CBD	3.11	116.80	111.27
14	f	1201	CLA	CHB-C4A-NA	3.11	128.81	124.51
14	G	1237	CLA	C4-C3-C5	3.11	120.50	115.27
17	T	4015	BCR	C20-C21-C22	-3.11	122.87	127.31
14	H	1202	CLA	CHB-C4A-NA	3.11	128.81	124.51
17	r	521	BCR	C7-C8-C9	-3.11	121.54	126.23
17	H	4009	BCR	C16-C17-C18	-3.11	122.87	127.31
14	H	1201	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
17	d	524	BCR	C15-C16-C17	-3.11	117.11	123.47
14	3	502	CLA	CHB-C4A-NA	3.11	128.81	124.51
14	A	1132	CLA	CAC-C3C-C4C	3.11	128.84	124.81
17	k	4018	BCR	C20-C21-C22	-3.11	122.88	127.31
21	3	822	SQD	O47-C7-C8	3.11	119.46	110.80
17	l	4013	BCR	C2-C1-C6	3.11	115.26	110.48
14	L	1503	CLA	O2D-CGD-O1D	-3.11	117.77	123.84
17	B	4006	BCR	C16-C17-C18	-3.10	122.88	127.31
14	Y	504	CLA	O2D-CGD-CBD	3.10	116.78	111.27
17	B	4006	BCR	C31-C1-C6	-3.10	105.26	110.30
14	B	1201	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
14	n	1503	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
14	s	502	CLA	CHB-C4A-NA	3.10	128.80	124.51
17	6	524	BCR	C15-C16-C17	-3.10	117.12	123.47
17	J	4013	BCR	C2-C1-C6	3.10	115.26	110.48
14	e	1132	CLA	CAC-C3C-C4C	3.10	128.84	124.81
21	a	822	SQD	O47-C7-C8	3.10	119.45	110.80
14	G	1137	CLA	CHB-C4A-NA	3.10	128.80	124.51
17	G	4001	BCR	C11-C10-C9	-3.10	122.88	127.31
17	f	4006	BCR	C31-C1-C6	-3.10	105.27	110.30
14	A	1137	CLA	CHB-C4A-NA	3.10	128.80	124.51
14	H	1023	CLA	C1B-CHB-C4A	-3.10	123.98	130.12
14	V	1503	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
17	e	4001	BCR	C11-C10-C9	-3.10	122.89	127.31
21	V	5216	SQD	O47-C7-C8	3.10	118.17	111.50
14	e	1237	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
14	f	1201	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
17	V	4219	BCR	C11-C10-C9	-3.10	122.89	127.31
14	H	1201	CLA	CHB-C4A-NA	3.10	128.79	124.51
17	J	4015	BCR	C20-C21-C22	-3.10	122.89	127.31
21	s	822	SQD	O47-C7-C8	3.10	119.43	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	t	523	BCR	C10-C11-C12	-3.10	113.56	123.22
14	B	1023	CLA	C1B-CHB-C4A	-3.09	123.99	130.12
17	S	4018	BCR	C1-C6-C5	-3.09	118.25	122.61
21	L	5216	SQD	O47-C7-C8	3.09	118.17	111.50
17	L	4219	BCR	C11-C10-C9	-3.09	122.90	127.31
14	G	1132	CLA	CAC-C3C-C4C	3.09	128.82	124.81
17	4	523	BCR	C10-C11-C12	-3.09	113.57	123.22
14	f	1236	CLA	O2D-CGD-O1D	-3.09	117.80	123.84
14	f	1023	CLA	C1B-CHB-C4A	-3.09	124.00	130.12
17	H	4006	BCR	C31-C1-C6	-3.09	105.29	110.30
17	A	4001	BCR	C11-C10-C9	-3.09	122.90	127.31
17	b	523	BCR	C10-C11-C12	-3.09	113.58	123.22
14	A	1237	CLA	C4-C3-C5	3.09	120.46	115.27
14	f	1215	CLA	O2D-CGD-O1D	-3.09	117.80	123.84
17	H	4006	BCR	C16-C17-C18	-3.09	122.91	127.31
17	Z	523	BCR	C28-C27-C26	-3.09	108.57	114.08
17	U	4104	BCR	C15-C14-C13	-3.08	122.91	127.31
21	u	822	SQD	O6-C1-C2	3.08	113.12	108.30
21	5	822	SQD	O6-C1-C2	3.08	113.11	108.30
21	n	5216	SQD	O47-C7-C8	3.08	118.14	111.50
17	v	524	BCR	C15-C16-C17	-3.08	117.16	123.47
17	m	4104	BCR	C15-C14-C13	-3.08	122.91	127.31
17	B	4009	BCR	C16-C17-C18	-3.08	122.92	127.31
17	K	4104	BCR	C11-C10-C9	-3.08	122.92	127.31
17	A	4011	BCR	C20-C19-C18	-3.08	117.77	126.42
18	G	5003	LHG	O8-C23-C24	3.08	121.57	111.91
17	2	523	BCR	C28-C27-C26	-3.08	108.58	114.08
14	A	1237	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
14	G	1140	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	L	1501	CLA	CMB-C2B-C3B	3.07	130.43	124.68
18	A	5003	LHG	O8-C23-C24	3.07	121.55	111.91
17	e	4011	BCR	C20-C19-C18	-3.07	117.78	126.42
17	r	523	BCR	C28-C27-C26	-3.07	108.59	114.08
14	A	1131	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
14	4	513	CLA	CMB-C2B-C3B	3.07	130.43	124.68
17	G	4008	BCR	C10-C11-C12	-3.07	113.63	123.22
14	V	1501	CLA	CMB-C2B-C3B	3.07	130.42	124.68
18	e	5003	LHG	O8-C23-C24	3.07	121.54	111.91
21	c	822	SQD	O6-C1-C2	3.07	113.09	108.30
17	f	4009	BCR	C16-C17-C18	-3.07	122.93	127.31
17	n	4219	BCR	C11-C10-C9	-3.07	122.93	127.31
14	e	1131	CLA	CMB-C2B-C1B	-3.07	123.75	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1131	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
17	K	4104	BCR	C15-C14-C13	-3.07	122.93	127.31
14	e	1237	CLA	C4-C3-C5	3.07	120.43	115.27
14	e	1118	CLA	CMB-C2B-C3B	3.07	130.42	124.68
14	6	519	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
17	G	4011	BCR	C20-C19-C18	-3.07	117.80	126.42
14	B	1236	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
17	U	4104	BCR	C11-C10-C9	-3.06	122.94	127.31
17	l	4015	BCR	C20-C21-C22	-3.06	122.94	127.31
14	n	1501	CLA	CMB-C2B-C3B	3.06	130.41	124.68
17	2	521	BCR	C3-C4-C5	-3.06	108.61	114.08
14	t	513	CLA	CMB-C2B-C3B	3.06	130.41	124.68
14	A	1118	CLA	CMB-C2B-C3B	3.06	130.41	124.68
14	5	510	CLA	CMB-C2B-C3B	3.06	130.41	124.68
14	d	519	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
14	v	519	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
14	G	1237	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
17	r	521	BCR	C3-C4-C5	-3.06	108.61	114.08
14	H	1230	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
17	W	4021	BCR	C11-C10-C9	-3.06	122.94	127.31
14	G	1101	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	e	1131	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
17	Z	521	BCR	C3-C4-C5	-3.06	108.62	114.08
14	2	509	CLA	CHB-C4A-NA	3.06	128.74	124.51
14	u	504	CLA	CMB-C2B-C3B	3.06	130.40	124.68
17	e	4008	BCR	C10-C11-C12	-3.06	113.68	123.22
17	t	521	BCR	C15-C14-C13	-3.06	122.95	127.31
14	e	1140	CLA	CMB-C2B-C3B	3.06	130.40	124.68
14	H	1228	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	4	507	CLA	CMB-C2B-C3B	3.06	130.39	124.68
17	A	4008	BCR	C10-C11-C12	-3.06	113.68	123.22
14	c	510	CLA	CMB-C2B-C3B	3.05	130.39	124.68
21	1	822	SQD	O8-S-C6	3.05	110.61	105.74
14	5	504	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	f	1225	CLA	C1B-CHB-C4A	-3.05	124.07	130.12
14	e	1101	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
14	A	1140	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	B	1225	CLA	C1B-CHB-C4A	-3.05	124.07	130.12
17	R	4016	BCR	C28-C27-C26	-3.05	108.63	114.08
14	B	1215	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
14	B	1230	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
14	r	501	CLA	CMB-C2B-C3B	3.05	130.39	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	M	4021	BCR	C11-C10-C9	-3.05	122.95	127.31
14	b	507	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	u	510	CLA	CMB-C2B-C3B	3.05	130.39	124.68
17	G	4008	BCR	C11-C10-C9	-3.05	122.96	127.31
14	b	513	CLA	CMB-C2B-C3B	3.05	130.38	124.68
14	Z	509	CLA	CHB-C4A-NA	3.05	128.73	124.51
14	a	519	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
14	b	519	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
14	B	1228	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
14	G	1118	CLA	CMB-C2B-C3B	3.05	130.38	124.68
14	2	502	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
14	A	1101	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
14	Z	501	CLA	CMB-C2B-C3B	3.05	130.38	124.68
17	L	4219	BCR	C37-C22-C23	3.05	122.88	118.08
14	f	1227	CLA	CHB-C4A-NA	3.05	128.72	124.51
17	T	4012	BCR	C16-C17-C18	-3.05	122.96	127.31
14	f	1228	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
17	n	4219	BCR	C37-C22-C23	3.05	122.88	118.08
21	q	822	SQD	O8-S-C6	3.04	110.59	105.74
17	B	4010	BCR	C33-C5-C4	3.04	119.47	113.62
14	H	1228	CLA	CHB-C4A-NA	3.04	128.72	124.51
14	r	509	CLA	CHB-C4A-NA	3.04	128.72	124.51
14	u	512	CLA	CMB-C2B-C3B	3.04	130.37	124.68
17	j	4016	BCR	C28-C27-C26	-3.04	108.64	114.08
14	2	501	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	t	519	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
17	r	522	BCR	C15-C16-C17	-3.04	117.24	123.47
17	H	4010	BCR	C33-C5-C4	3.04	119.46	113.62
17	F	4016	BCR	C28-C27-C26	-3.04	108.64	114.08
14	f	1230	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	K	1103	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
21	Y	822	SQD	O8-S-C6	3.04	110.59	105.74
17	f	4010	BCR	C33-C5-C4	3.04	119.46	113.62
14	G	1115	CLA	CHB-C4A-NA	3.04	128.72	124.51
14	2	501	CLA	CMB-C2B-C3B	3.04	130.37	124.68
14	H	1225	CLA	C1B-CHB-C4A	-3.04	124.09	130.12
14	A	1131	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
14	H	1236	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
17	b	521	BCR	C15-C14-C13	-3.04	122.97	127.31
17	f	4014	BCR	C28-C27-C26	-3.04	108.65	114.08
14	r	501	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	t	507	CLA	CMB-C2B-C3B	3.04	130.37	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1227	CLA	CHB-C4A-NA	3.04	128.72	124.51
14	a	509	CLA	CHB-C4A-NA	3.04	128.72	124.51
14	q	502	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
17	c	523	BCR	C24-C23-C22	-3.04	121.64	126.23
14	H	1203	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
14	l	502	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
14	G	1131	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
14	U	1103	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
17	4	521	BCR	C15-C14-C13	-3.04	122.98	127.31
21	b	822	SQD	O8-S-C6	3.04	110.58	105.74
14	4	519	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
17	v	523	BCR	C24-C23-C22	-3.03	121.65	126.23
21	t	822	SQD	O8-S-C6	3.03	110.58	105.74
14	f	1236	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
14	B	1227	CLA	CHB-C4A-NA	3.03	128.71	124.51
17	B	4005	BCR	C33-C5-C6	-3.03	121.12	124.53
14	Z	502	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
14	f	1229	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
17	B	4014	BCR	C28-C27-C26	-3.03	108.66	114.08
17	V	4219	BCR	C37-C22-C23	3.03	122.86	118.08
14	H	1215	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	c	504	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	d	501	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	5	512	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	c	505	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	H	1235	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	r	502	CLA	CMB-C2B-C1B	-3.03	123.80	128.46
14	6	501	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	G	1119	CLA	C1B-CHB-C4A	-3.03	124.11	130.12
14	e	1119	CLA	C1B-CHB-C4A	-3.03	124.11	130.12
14	e	1130	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	Y	503	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	Z	501	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	r	517	CLA	CMB-C2B-C3B	3.03	130.35	124.68
14	e	1112	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
17	H	4014	BCR	C28-C27-C26	-3.03	108.67	114.08
21	u	822	SQD	O8-S-C6	3.03	110.56	105.74
17	e	4008	BCR	C11-C10-C9	-3.03	122.99	127.31
14	J	1302	CLA	CHB-C4A-NA	3.03	128.70	124.51
21	4	822	SQD	O8-S-C6	3.03	110.56	105.74
19	l	5105	LMU	O5'-C5'-C4'	3.03	115.19	109.69
17	J	4012	BCR	C33-C5-C6	-3.03	121.13	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	522	BCR	C15-C16-C17	-3.02	117.28	123.47
14	u	505	CLA	CMB-C2B-C3B	3.02	130.33	124.68
17	H	4005	BCR	C33-C5-C6	-3.02	121.13	124.53
14	G	1130	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
17	J	4012	BCR	C16-C17-C18	-3.02	123.00	127.31
17	o	4021	BCR	C11-C10-C9	-3.02	123.00	127.31
14	A	1115	CLA	CHB-C4A-NA	3.02	128.69	124.51
14	1	503	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
17	u	523	BCR	C24-C23-C22	-3.02	121.67	126.23
14	A	1119	CLA	C1B-CHB-C4A	-3.02	124.13	130.12
17	Z	522	BCR	C15-C16-C17	-3.02	117.29	123.47
14	H	1216	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
14	B	1228	CLA	CHB-C4A-NA	3.02	128.69	124.51
14	s	519	CLA	CMB-C2B-C1B	-3.02	123.82	128.46
17	v	521	BCR	C11-C10-C9	-3.02	123.00	127.31
18	e	5004	LHG	O8-C23-C24	3.02	121.38	111.91
14	f	1235	CLA	CMB-C2B-C3B	3.02	130.32	124.68
14	B	1234	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
17	T	4012	BCR	C33-C5-C6	-3.02	121.14	124.53
17	l	4012	BCR	C16-C17-C18	-3.02	123.00	127.31
14	B	1235	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
17	n	4020	BCR	C10-C11-C12	-3.02	113.80	123.22
14	5	505	CLA	CMB-C2B-C3B	3.02	130.32	124.68
17	6	523	BCR	C24-C23-C22	-3.02	121.68	126.23
17	T	4015	BCR	C24-C23-C22	-3.02	121.68	126.23
14	B	1216	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
14	f	1203	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
14	m	1103	CLA	CMB-C2B-C1B	-3.02	123.83	128.46
21	q	822	SQD	O9-S-C6	3.02	110.52	106.94
14	2	517	CLA	CMB-C2B-C3B	3.02	130.32	124.68
17	S	4018	BCR	C21-C20-C19	-3.01	113.81	123.22
17	A	4008	BCR	C11-C10-C9	-3.01	123.01	127.31
14	e	1115	CLA	CHB-C4A-NA	3.01	128.68	124.51
14	B	1203	CLA	O2D-CGD-O1D	-3.01	117.94	123.84
17	I	4018	BCR	C21-C20-C19	-3.01	113.81	123.22
14	A	1130	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	q	503	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	3	519	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
14	3	509	CLA	CHB-C4A-NA	3.01	128.68	124.51
14	s	504	CLA	CHB-C4A-NA	3.01	128.68	124.51
14	e	1110	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	A	1140	CLA	O2D-CGD-O1D	-3.01	117.95	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	v	501	CLA	CMB-C2B-C3B	3.01	130.31	124.68
17	J	4015	BCR	C24-C23-C22	-3.01	121.69	126.23
14	f	1234	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
21	f	1852	SQD	O9-S-C6	3.01	110.52	106.94
20	H	5002	LMG	O1-C7-C8	-3.01	103.64	110.90
19	J	5105	LMU	O5'-C5'-C4'	3.01	115.16	109.69
18	G	5004	LHG	O8-C23-C24	3.01	121.35	111.91
14	H	1215	CLA	CHB-C4A-NA	3.01	128.67	124.51
21	5	822	SQD	O8-S-C6	3.01	110.53	105.74
14	G	1140	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	f	1235	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	B	1235	CLA	CMB-C2B-C3B	3.01	130.31	124.68
20	B	5002	LMG	O1-C7-C8	-3.01	103.64	110.90
14	l	1302	CLA	CHB-C4A-NA	3.01	128.67	124.51
17	L	4020	BCR	C10-C11-C12	-3.01	113.83	123.22
20	f	5002	LMG	O1-C7-C8	-3.01	103.64	110.90
17	a	524	BCR	C7-C8-C9	-3.01	121.69	126.23
14	c	512	CLA	CMB-C2B-C3B	3.01	130.31	124.68
17	l	4012	BCR	C33-C5-C6	-3.01	121.15	124.53
18	A	5004	LHG	O8-C23-C24	3.01	121.34	111.91
14	e	1126	CLA	C1B-CHB-C4A	-3.01	124.16	130.12
14	Y	502	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
14	f	1216	CLA	O2D-CGD-O1D	-3.01	117.96	123.84
17	f	4005	BCR	C33-C5-C6	-3.01	121.15	124.53
14	Z	517	CLA	CMB-C2B-C3B	3.01	130.30	124.68
14	f	1228	CLA	CHB-C4A-NA	3.01	128.67	124.51
14	B	1229	CLA	O2D-CGD-O1D	-3.01	117.96	123.84
17	k	4018	BCR	C21-C20-C19	-3.00	113.84	123.22
17	V	4020	BCR	C10-C11-C12	-3.00	113.84	123.22
14	A	1126	CLA	C1B-CHB-C4A	-3.00	124.17	130.12
14	4	517	CLA	CMB-C2B-C3B	3.00	130.30	124.68
14	v	518	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
17	5	523	BCR	C24-C23-C22	-3.00	121.70	126.23
14	B	1215	CLA	CHB-C4A-NA	3.00	128.66	124.51
17	d	523	BCR	C24-C23-C22	-3.00	121.70	126.23
17	v	522	BCR	C20-C21-C22	-3.00	123.03	127.31
17	6	522	BCR	C20-C21-C22	-3.00	123.03	127.31
21	c	822	SQD	O8-S-C6	3.00	110.52	105.74
17	T	4013	BCR	C7-C8-C9	-3.00	121.70	126.23
14	e	1140	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
14	H	1229	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
17	3	524	BCR	C7-C8-C9	-3.00	121.70	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	P	170	FMN	C4-N3-C2	-3.00	120.10	125.64
17	d	522	BCR	C20-C21-C22	-3.00	123.03	127.31
14	A	1112	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
22	p	170	FMN	C4-N3-C2	-3.00	120.10	125.64
14	H	1235	CLA	CMB-C2B-C3B	3.00	130.28	124.68
18	A	5002	LHG	O8-C23-C24	3.00	121.31	111.91
19	T	5105	LMU	O5'-C5'-C4'	3.00	115.14	109.69
14	T	1302	CLA	CHB-C4A-NA	3.00	128.66	124.51
14	F	1301	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
14	H	1234	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
18	G	5002	LHG	O8-C23-C24	3.00	121.31	111.91
14	3	504	CLA	CHB-C4A-NA	2.99	128.65	124.51
14	Y	501	CLA	CMB-C2B-C3B	2.99	130.28	124.68
17	s	524	BCR	C7-C8-C9	-2.99	121.71	126.23
21	H	1852	SQD	O9-S-C6	2.99	110.50	106.94
14	G	1112	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
14	1	501	CLA	CMB-C2B-C3B	2.99	130.28	124.68
17	I	4018	BCR	C10-C11-C12	-2.99	113.88	123.22
14	e	1104	CLA	CHB-C4A-NA	2.99	128.65	124.51
14	H	1236	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
18	e	5002	LHG	O8-C23-C24	2.99	121.29	111.91
14	B	1236	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
14	s	509	CLA	CHB-C4A-NA	2.99	128.65	124.51
17	k	4018	BCR	C10-C11-C12	-2.99	113.89	123.22
17	S	4018	BCR	C10-C11-C12	-2.99	113.89	123.22
14	5	519	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
17	H	4006	BCR	C8-C9-C10	2.99	123.53	118.94
14	s	507	CLA	CHB-C4A-NA	2.99	128.64	124.51
14	f	1215	CLA	CHB-C4A-NA	2.99	128.64	124.51
14	b	517	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	6	518	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
14	G	1126	CLA	C1B-CHB-C4A	-2.99	124.20	130.12
14	d	518	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
14	a	507	CLA	CHB-C4A-NA	2.99	128.64	124.51
14	q	501	CLA	CMB-C2B-C3B	2.99	130.26	124.68
17	c	521	BCR	C30-C25-C26	-2.99	118.41	122.61
17	J	4013	BCR	C16-C15-C14	-2.98	117.36	123.47
14	c	519	CLA	O2D-CGD-O1D	-2.98	118.00	123.84
21	1	822	SQD	O9-S-C6	2.98	110.48	106.94
21	5	822	SQD	O9-S-C6	2.98	110.48	106.94
17	b	523	BCR	C16-C17-C18	-2.98	123.05	127.31
14	A	1110	CLA	O2D-CGD-O1D	-2.98	118.01	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	j	1301	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
17	l	4015	BCR	C24-C23-C22	-2.98	121.73	126.23
14	B	1208	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	t	517	CLA	CMB-C2B-C3B	2.98	130.26	124.68
17	5	521	BCR	C30-C25-C26	-2.98	118.41	122.61
21	d	822	SQD	O8-S-C6	2.98	110.49	105.74
17	l	4013	BCR	C16-C15-C14	-2.98	117.37	123.47
17	s	521	BCR	C24-C23-C22	-2.98	121.73	126.23
22	X	170	FMN	C4-N3-C2	-2.98	120.14	125.64
21	B	1852	SQD	O9-S-C6	2.98	110.48	106.94
17	d	521	BCR	C11-C10-C9	-2.98	123.06	127.31
14	e	1121	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	f	1208	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	c	503	CLA	CHB-C4A-NA	2.98	128.63	124.51
17	6	521	BCR	C11-C10-C9	-2.98	123.06	127.31
17	A	4011	BCR	C34-C9-C10	-2.98	118.75	122.92
14	T	1303	CLA	CMB-C2B-C3B	2.98	130.25	124.68
14	a	504	CLA	CHB-C4A-NA	2.98	128.63	124.51
14	v	503	CLA	CHB-C4A-NA	2.98	128.63	124.51
17	l	4015	BCR	C2-C1-C6	2.98	115.06	110.48
14	H	1219	CLA	CMB-C2B-C3B	2.98	130.25	124.68
21	v	822	SQD	O8-S-C6	2.98	110.48	105.74
14	G	1138	CLA	C1B-CHB-C4A	-2.98	124.22	130.12
17	a	524	BCR	C8-C7-C6	-2.97	118.85	127.20
14	R	1301	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
17	G	4011	BCR	C34-C9-C10	-2.97	118.76	122.92
17	a	524	BCR	C15-C16-C17	-2.97	117.39	123.47
14	u	509	CLA	CHB-C4A-NA	2.97	128.62	124.51
14	H	1213	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
17	T	4013	BCR	C16-C15-C14	-2.97	117.39	123.47
14	l	1303	CLA	CMB-C2B-C3B	2.97	130.24	124.68
14	B	1213	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	G	1117	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
21	Y	822	SQD	O9-S-C6	2.97	110.47	106.94
17	J	4013	BCR	C7-C8-C9	-2.97	121.75	126.23
14	a	518	CLA	CMB-C2B-C1B	-2.97	123.90	128.46
14	A	1104	CLA	CHB-C4A-NA	2.97	128.62	124.51
17	a	521	BCR	C24-C23-C22	-2.97	121.75	126.23
14	F	1301	CLA	CMB-C2B-C3B	2.97	130.23	124.68
17	3	524	BCR	C15-C16-C17	-2.97	117.39	123.47
14	j	1301	CLA	CMB-C2B-C3B	2.97	130.23	124.68
14	3	507	CLA	CHB-C4A-NA	2.97	128.62	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1219	CLA	CMB-C2B-C3B	2.97	130.23	124.68
21	u	822	SQD	O9-S-C6	2.97	110.47	106.94
17	3	521	BCR	C24-C23-C22	-2.97	121.75	126.23
17	u	523	BCR	C20-C21-C22	-2.97	123.07	127.31
17	u	521	BCR	C30-C25-C26	-2.97	118.44	122.61
17	B	4006	BCR	C8-C9-C10	2.97	123.49	118.94
14	H	1222	CLA	CAA-C2A-C1A	-2.97	102.25	111.97
17	s	524	BCR	C15-C16-C17	-2.97	117.40	123.47
17	c	521	BCR	C38-C26-C27	2.97	119.31	113.62
21	c	822	SQD	O9-S-C6	2.97	110.46	106.94
14	R	1301	CLA	CMB-C2B-C3B	2.97	130.23	124.68
17	s	524	BCR	C8-C7-C6	-2.96	118.88	127.20
14	G	1110	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
14	f	1219	CLA	CMB-C2B-C3B	2.96	130.22	124.68
14	Z	502	CLA	CHB-C4A-NA	2.96	128.61	124.51
14	u	501	CLA	CHB-C4A-NA	2.96	128.61	124.51
14	A	1121	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	u	519	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	5	501	CLA	CHB-C4A-NA	2.96	128.61	124.51
17	3	524	BCR	C8-C7-C6	-2.96	118.88	127.20
14	J	1303	CLA	CMB-C2B-C3B	2.96	130.22	124.68
17	l	4013	BCR	C7-C8-C9	-2.96	121.76	126.23
14	H	1208	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	A	1111	CLA	CHB-C4A-NA	2.96	128.61	124.51
14	3	518	CLA	CMB-C2B-C1B	-2.96	123.91	128.46
17	f	4006	BCR	C8-C9-C10	2.96	123.48	118.94
14	H	1207	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	s	518	CLA	CMB-C2B-C1B	-2.96	123.91	128.46
21	6	822	SQD	O8-S-C6	2.96	110.46	105.74
14	4	519	CLA	CMB-C2B-C3B	2.96	130.22	124.68
14	v	518	CLA	CMB-C2B-C3B	2.96	130.22	124.68
14	G	1126	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
17	H	4010	BCR	C38-C26-C27	2.96	119.30	113.62
14	H	1223	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	H	1023	CLA	CBC-CAC-C3C	2.96	120.59	112.43
14	d	507	CLA	CHB-C4A-NA	2.96	128.60	124.51
14	f	1222	CLA	CAA-C2A-C1A	-2.96	102.28	111.97
14	B	1222	CLA	CAA-C2A-C1A	-2.96	102.28	111.97
14	G	1104	CLA	CHB-C4A-NA	2.96	128.60	124.51
19	e	1848	LMU	C1B-O1B-C4'	-2.96	110.65	117.96
14	A	1138	CLA	C1B-CHB-C4A	-2.96	124.26	130.12
14	f	1213	CLA	O2D-CGD-O1D	-2.96	118.06	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1023	CLA	CBC-CAC-C3C	2.96	120.58	112.43
14	B	1216	CLA	C1B-CHB-C4A	-2.95	124.27	130.12
14	G	1111	CLA	CHB-C4A-NA	2.95	128.60	124.51
14	u	503	CLA	CHB-C4A-NA	2.95	128.60	124.51
14	v	507	CLA	CHB-C4A-NA	2.95	128.60	124.51
14	b	519	CLA	CMB-C2B-C3B	2.95	130.21	124.68
14	G	1140	CLA	CBA-CAA-C2A	2.95	122.58	113.86
14	A	1109	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
14	f	1223	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
17	u	521	BCR	C38-C26-C27	2.95	119.29	113.62
14	6	512	CLA	CMB-C2B-C3B	2.95	130.20	124.68
17	5	521	BCR	C38-C26-C27	2.95	119.29	113.62
17	J	4015	BCR	C2-C1-C6	2.95	115.03	110.48
14	v	513	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
14	d	512	CLA	CMB-C2B-C3B	2.95	130.20	124.68
14	2	502	CLA	CHB-C4A-NA	2.95	128.59	124.51
14	6	503	CLA	CHB-C4A-NA	2.95	128.59	124.51
14	A	1140	CLA	CBA-CAA-C2A	2.95	122.57	113.86
14	Z	518	CLA	CHB-C4A-NA	2.95	128.59	124.51
14	s	504	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
17	l	4015	BCR	C32-C1-C6	-2.95	105.52	110.30
14	n	1502	CLA	O2D-CGD-CBD	2.95	116.51	111.27
14	e	1105	CLA	CHB-C4A-NA	2.95	128.59	124.51
17	t	523	BCR	C16-C17-C18	-2.95	123.10	127.31
17	b	524	BCR	C33-C5-C4	2.95	119.28	113.62
14	c	509	CLA	CHB-C4A-NA	2.95	128.59	124.51
17	4	523	BCR	C16-C17-C18	-2.95	123.10	127.31
17	B	4010	BCR	C38-C26-C27	2.95	119.28	113.62
17	T	4015	BCR	C2-C1-C6	2.95	115.02	110.48
17	b	524	BCR	C20-C21-C22	-2.95	123.11	127.31
14	B	1023	CLA	CBC-CAC-C3C	2.95	120.55	112.43
19	A	1848	LMU	C1B-O1B-C4'	-2.95	110.67	117.96
14	U	1103	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	f	1216	CLA	C1B-CHB-C4A	-2.95	124.28	130.12
19	G	1848	LMU	C1B-O1B-C4'	-2.94	110.68	117.96
14	e	1140	CLA	CBA-CAA-C2A	2.94	122.55	113.86
14	A	1117	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
14	A	1126	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
14	B	1223	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
14	5	503	CLA	CHB-C4A-NA	2.94	128.58	124.51
17	F	4016	BCR	C20-C21-C22	-2.94	123.11	127.31
17	5	523	BCR	C20-C21-C22	-2.94	123.11	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c	523	BCR	C20-C21-C22	-2.94	123.11	127.31
14	L	1502	CLA	O2D-CGD-CBD	2.94	116.50	111.27
17	e	4011	BCR	C34-C9-C10	-2.94	118.80	122.92
14	B	1207	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	e	1117	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	f	1207	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	e	1138	CLA	C1B-CHB-C4A	-2.94	124.29	130.12
17	4	524	BCR	C20-C21-C22	-2.94	123.11	127.31
14	r	502	CLA	CHB-C4A-NA	2.94	128.58	124.51
17	f	4010	BCR	C38-C26-C27	2.94	119.26	113.62
14	6	518	CLA	CMB-C2B-C3B	2.94	130.18	124.68
14	e	1109	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	6	507	CLA	CHB-C4A-NA	2.94	128.57	124.51
14	5	509	CLA	CHB-C4A-NA	2.94	128.57	124.51
14	G	1121	CLA	O2D-CGD-O1D	-2.94	118.10	123.84
14	4	503	CLA	CHB-C4A-NA	2.94	128.57	124.51
14	K	1103	CLA	O2D-CGD-O1D	-2.94	118.10	123.84
14	H	1216	CLA	C1B-CHB-C4A	-2.94	124.30	130.12
14	A	1105	CLA	CHB-C4A-NA	2.94	128.57	124.51
14	s	502	CLA	CMB-C2B-C1B	-2.93	123.95	128.46
14	d	513	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
14	G	1109	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
17	R	4016	BCR	C20-C21-C22	-2.93	123.12	127.31
14	d	518	CLA	CMB-C2B-C3B	2.93	130.17	124.68
14	5	502	CLA	CHB-C4A-NA	2.93	128.57	124.51
14	G	1132	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	r	516	CLA	CMB-C2B-C3B	2.93	130.16	124.68
17	Y	523	BCR	C10-C11-C12	-2.93	114.07	123.22
14	c	501	CLA	CHB-C4A-NA	2.93	128.57	124.51
14	2	516	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	t	503	CLA	CHB-C4A-NA	2.93	128.56	124.51
14	G	1139	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	V	1502	CLA	O2D-CGD-CBD	2.93	116.47	111.27
17	j	4016	BCR	C20-C21-C22	-2.93	123.13	127.31
17	4	524	BCR	C33-C5-C4	2.93	119.24	113.62
14	e	1111	CLA	CHB-C4A-NA	2.93	128.56	124.51
14	Y	503	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	t	519	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	v	512	CLA	CMB-C2B-C3B	2.93	130.15	124.68
14	d	502	CLA	CHB-C4A-NA	2.93	128.56	124.51
17	1	523	BCR	C10-C11-C12	-2.92	114.09	123.22
17	J	4015	BCR	C32-C1-C6	-2.92	105.56	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1105	CLA	CHB-C4A-NA	2.92	128.56	124.51
17	q	523	BCR	C10-C11-C12	-2.92	114.09	123.22
14	u	516	CLA	CMB-C2B-C3B	2.92	130.15	124.68
14	e	1120	CLA	CHB-C4A-NA	2.92	128.55	124.51
14	a	512	CLA	CMB-C2B-C3B	2.92	130.15	124.68
14	b	508	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
14	A	1120	CLA	CHB-C4A-NA	2.92	128.55	124.51
17	5	524	BCR	C33-C5-C4	2.92	119.23	113.62
17	t	524	BCR	C33-C5-C4	2.92	119.23	113.62
17	L	4219	BCR	C7-C8-C9	-2.92	121.82	126.23
14	H	1214	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
14	d	503	CLA	CHB-C4A-NA	2.92	128.55	124.51
14	m	1103	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
14	6	513	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
14	H	1214	CLA	CHB-C4A-NA	2.92	128.55	124.51
14	3	502	CLA	CMB-C2B-C1B	-2.92	123.98	128.46
14	1	503	CLA	CMB-C2B-C3B	2.92	130.14	124.68
14	e	1132	CLA	CMB-C2B-C3B	2.92	130.14	124.68
17	1	522	BCR	C3-C4-C5	-2.92	108.87	114.08
14	s	512	CLA	CMB-C2B-C3B	2.92	130.14	124.68
14	B	1209	CLA	CHB-C4A-NA	2.92	128.54	124.51
14	e	1126	CLA	O2D-CGD-O1D	-2.92	118.14	123.84
14	q	503	CLA	CMB-C2B-C3B	2.92	130.13	124.68
14	d	503	CLA	CMB-C2B-C3B	2.92	130.13	124.68
14	s	517	CLA	CMB-C2B-C3B	2.92	130.13	124.68
14	q	507	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
17	c	522	BCR	C38-C26-C25	-2.91	121.25	124.53
14	Z	516	CLA	CMB-C2B-C3B	2.91	130.13	124.68
14	f	1214	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
14	A	1132	CLA	CMB-C2B-C3B	2.91	130.13	124.68
17	f	4010	BCR	C7-C8-C9	-2.91	121.83	126.23
14	u	502	CLA	CHB-C4A-NA	2.91	128.54	124.51
17	n	4219	BCR	C7-C8-C9	-2.91	121.83	126.23
14	Y	507	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
17	5	522	BCR	C38-C26-C25	-2.91	121.26	124.53
17	c	524	BCR	C33-C5-C4	2.91	119.21	113.62
14	H	1207	CLA	CMB-C2B-C3B	2.91	130.13	124.68
14	2	518	CLA	CHB-C4A-NA	2.91	128.54	124.51
17	t	524	BCR	C20-C21-C22	-2.91	123.16	127.31
14	e	1139	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
17	q	522	BCR	C3-C4-C5	-2.91	108.88	114.08
14	U	1105	CLA	CMB-C2B-C3B	2.91	130.12	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	3	504	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
14	3	517	CLA	CMB-C2B-C3B	2.91	130.12	124.68
14	a	517	CLA	CMB-C2B-C3B	2.91	130.12	124.68
17	V	4219	BCR	C21-C20-C19	-2.91	114.14	123.22
14	c	502	CLA	CHB-C4A-NA	2.91	128.53	124.51
14	A	1139	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
14	q	516	CLA	CMB-C2B-C3B	2.91	130.12	124.68
14	f	1211	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
14	4	508	CLA	C1B-CHB-C4A	-2.91	124.36	130.12
14	3	512	CLA	CMB-C2B-C3B	2.91	130.12	124.68
17	u	524	BCR	C33-C5-C4	2.91	119.20	113.62
14	b	503	CLA	CHB-C4A-NA	2.90	128.53	124.51
17	B	4010	BCR	C7-C8-C9	-2.90	121.85	126.23
17	H	4010	BCR	C7-C8-C9	-2.90	121.85	126.23
14	5	516	CLA	CMB-C2B-C3B	2.90	130.11	124.68
14	c	516	CLA	CMB-C2B-C3B	2.90	130.11	124.68
17	Y	522	BCR	C3-C4-C5	-2.90	108.89	114.08
14	B	1214	CLA	CHB-C4A-NA	2.90	128.53	124.51
14	t	502	CLA	CHB-C4A-NA	2.90	128.53	124.51
17	T	4015	BCR	C32-C1-C6	-2.90	105.59	110.30
14	5	504	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	a	516	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	f	1209	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	a	502	CLA	CMB-C2B-C1B	-2.90	124.01	128.46
14	v	502	CLA	CMB-C2B-C1B	-2.90	124.01	128.46
14	t	508	CLA	C1B-CHB-C4A	-2.90	124.37	130.12
14	q	504	CLA	CMB-C2B-C3B	2.90	130.10	124.68
14	a	504	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	v	502	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	e	1118	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
17	m	4104	BCR	C38-C26-C27	2.90	119.18	113.62
17	a	523	BCR	C15-C16-C17	-2.90	117.54	123.47
14	B	1214	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	r	511	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	r	518	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	Y	516	CLA	CMB-C2B-C3B	2.90	130.10	124.68
14	6	503	CLA	CMB-C2B-C3B	2.90	130.10	124.68
14	3	517	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	s	517	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	6	502	CLA	CHB-C4A-NA	2.90	128.52	124.51
14	f	1207	CLA	CMB-C2B-C3B	2.90	130.09	124.68
14	Y	509	CLA	CHB-C4A-NA	2.89	128.51	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	U	4104	BCR	C38-C26-C27	2.89	119.18	113.62
14	K	1105	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	3	519	CLA	CHB-C4A-NA	2.89	128.51	124.51
14	B	1211	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
14	1	507	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
14	B	1207	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	4	501	CLA	CMB-C2B-C3B	2.89	130.09	124.68
17	B	4009	BCR	C33-C5-C6	-2.89	121.28	124.53
17	V	4219	BCR	C7-C8-C9	-2.89	121.87	126.23
14	6	502	CLA	CMB-C2B-C1B	-2.89	124.02	128.46
14	G	1120	CLA	CHB-C4A-NA	2.89	128.51	124.51
17	H	4014	BCR	C10-C11-C12	-2.89	114.19	123.22
14	f	1214	CLA	CHB-C4A-NA	2.89	128.51	124.51
14	q	509	CLA	CHB-C4A-NA	2.89	128.51	124.51
14	t	507	CLA	CHB-C4A-NA	2.89	128.51	124.51
17	n	4219	BCR	C21-C20-C19	-2.89	114.20	123.22
14	m	1105	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	a	517	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	G	1121	CLA	CHB-C4A-NA	2.89	128.51	124.51
17	K	4104	BCR	C38-C26-C27	2.89	119.17	113.62
14	c	517	CLA	CMB-C2B-C3B	2.89	130.08	124.68
17	f	4014	BCR	C10-C11-C12	-2.89	114.20	123.22
14	l	516	CLA	CMB-C2B-C3B	2.89	130.08	124.68
14	t	501	CLA	CMB-C2B-C3B	2.89	130.08	124.68
14	b	519	CLA	CHB-C4A-NA	2.89	128.50	124.51
14	Z	517	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	f	1222	CLA	CAA-C2A-C3A	-2.89	104.87	112.78
14	2	511	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	H	1209	CLA	CHB-C4A-NA	2.89	128.50	124.51
14	a	519	CLA	CHB-C4A-NA	2.89	128.50	124.51
17	G	4002	BCR	C3-C4-C5	-2.89	108.92	114.08
14	b	507	CLA	CHB-C4A-NA	2.89	128.50	124.51
14	d	502	CLA	CMB-C2B-C1B	-2.88	124.03	128.46
14	e	1125	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
17	5	522	BCR	C38-C26-C27	2.88	119.16	113.62
14	4	507	CLA	CHB-C4A-NA	2.88	128.50	124.51
14	r	504	CLA	CHB-C4A-NA	2.88	128.50	124.51
14	b	518	CLA	CHB-C4A-NA	2.88	128.50	124.51
14	A	1118	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	A	1122	CLA	CHB-C4A-NA	2.88	128.50	124.51
14	Z	506	CLA	CMB-C2B-C3B	2.88	130.07	124.68
17	L	4219	BCR	C21-C20-C19	-2.88	114.22	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	q	524	BCR	C33-C5-C4	2.88	119.15	113.62
17	Y	523	BCR	C15-C16-C17	-2.88	117.57	123.47
14	A	1125	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	Z	504	CLA	CHB-C4A-NA	2.88	128.50	124.51
17	B	4014	BCR	C10-C11-C12	-2.88	114.22	123.22
14	G	1125	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	s	519	CLA	CHB-C4A-NA	2.88	128.50	124.51
14	v	503	CLA	CMB-C2B-C3B	2.88	130.07	124.68
17	H	4004	BCR	C28-C27-C26	-2.88	108.94	114.08
14	u	502	CLA	CMB-C2B-C1B	-2.88	124.04	128.46
14	H	1212	CLA	CHB-C4A-NA	2.88	128.49	124.51
14	2	517	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	1	504	CLA	CMB-C2B-C3B	2.88	130.06	124.68
14	5	511	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
17	s	523	BCR	C15-C16-C17	-2.88	117.58	123.47
17	1	524	BCR	C33-C5-C4	2.88	119.14	113.62
17	Y	524	BCR	C33-C5-C4	2.88	119.14	113.62
14	B	1222	CLA	CAA-C2A-C3A	-2.88	104.90	112.78
17	v	521	BCR	C7-C8-C9	-2.88	121.89	126.23
17	B	4004	BCR	C28-C27-C26	-2.88	108.94	114.08
17	c	522	BCR	C38-C26-C27	2.88	119.14	113.62
17	H	4009	BCR	C33-C5-C6	-2.88	121.30	124.53
14	e	1137	CLA	C1B-CHB-C4A	-2.88	124.42	130.12
14	2	506	CLA	CMB-C2B-C3B	2.88	130.06	124.68
17	t	522	BCR	C38-C26-C25	-2.88	121.30	124.53
14	c	511	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
14	s	516	CLA	CHB-C4A-NA	2.88	128.49	124.51
14	t	518	CLA	CHB-C4A-NA	2.88	128.49	124.51
14	f	1227	CLA	CMB-C2B-C3B	2.87	130.06	124.68
14	c	504	CLA	CHB-C4A-NA	2.87	128.49	124.51
14	q	516	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	5	517	CLA	CMB-C2B-C3B	2.87	130.06	124.68
14	r	506	CLA	CMB-C2B-C3B	2.87	130.06	124.68
14	u	517	CLA	CMB-C2B-C3B	2.87	130.06	124.68
17	c	523	BCR	C15-C16-C17	-2.87	117.59	123.47
14	e	1119	CLA	CHB-C4A-NA	2.87	128.49	124.51
14	t	519	CLA	CHB-C4A-NA	2.87	128.49	124.51
17	4	522	BCR	C38-C26-C25	-2.87	121.30	124.53
14	A	1137	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
14	c	504	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	b	502	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	b	501	CLA	CMB-C2B-C3B	2.87	130.05	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	e	4002	BCR	C3-C4-C5	-2.87	108.95	114.08
14	4	501	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	Z	511	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
17	A	4002	BCR	C3-C4-C5	-2.87	108.95	114.08
14	Y	504	CLA	CMB-C2B-C3B	2.87	130.05	124.68
14	B	1234	CLA	CBC-CAC-C3C	2.87	120.35	112.43
14	G	1133	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
14	G	1137	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
14	4	519	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	f	1212	CLA	CHB-C4A-NA	2.87	128.48	124.51
17	3	523	BCR	C15-C16-C17	-2.87	117.59	123.47
17	5	523	BCR	C15-C16-C17	-2.87	117.59	123.47
14	e	1135	CLA	O2A-C1-C2	2.87	116.18	108.64
17	u	522	BCR	C38-C26-C25	-2.87	121.31	124.53
14	F	1302	CLA	CMB-C2B-C1B	-2.87	124.05	128.46
14	e	1122	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	H	1217	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	A	1135	CLA	O2A-C1-C2	2.87	116.18	108.64
14	L	1502	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	f	1012	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
17	s	524	BCR	C33-C5-C4	2.87	119.13	113.62
14	l	509	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	R	1302	CLA	CMB-C2B-C1B	-2.87	124.06	128.46
14	G	1136	CLA	CMB-C2B-C3B	2.87	130.04	124.68
14	H	1222	CLA	CAA-C2A-C3A	-2.87	104.92	112.78
18	G	5003	LHG	C11-C10-C9	-2.87	99.86	114.42
14	3	516	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	q	507	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	t	501	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	q	518	CLA	CMB-C2B-C3B	2.87	130.04	124.68
14	H	1234	CLA	CBC-CAC-C3C	2.87	120.34	112.43
17	H	4010	BCR	C4-C5-C6	-2.87	118.57	122.73
14	G	1122	CLA	CHB-C4A-NA	2.87	128.48	124.51
14	G	1118	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	H	1211	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	c	502	CLA	CMB-C2B-C1B	-2.87	124.06	128.46
14	s	511	CLA	CHB-C4A-NA	2.87	128.48	124.51
17	l	523	BCR	C15-C16-C17	-2.87	117.60	123.47
14	f	1234	CLA	CBC-CAC-C3C	2.87	120.33	112.43
14	B	1227	CLA	CMB-C2B-C3B	2.87	130.04	124.68
14	A	1119	CLA	CHB-C4A-NA	2.87	128.47	124.51
14	u	504	CLA	CHB-C4A-NA	2.87	128.47	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	A	5003	LHG	C11-C10-C9	-2.87	99.88	114.42
14	l	518	CLA	CMB-C2B-C3B	2.86	130.04	124.68
14	H	1227	CLA	CMB-C2B-C3B	2.86	130.03	124.68
17	q	523	BCR	C15-C16-C17	-2.86	117.61	123.47
14	A	1121	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	n	1502	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	l	507	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	Y	507	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	e	1013	CLA	CHB-C4A-NA	2.86	128.47	124.51
18	k	5001	LHG	O8-C23-C24	2.86	120.88	111.91
14	G	1119	CLA	CHB-C4A-NA	2.86	128.47	124.51
18	e	5003	LHG	C11-C10-C9	-2.86	99.91	114.42
18	n	5220	LHG	O8-C23-C24	2.86	120.88	111.91
14	4	502	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	6	504	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	A	1133	CLA	C1B-CHB-C4A	-2.86	124.45	130.12
14	4	518	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	v	511	CLA	CHB-C4A-NA	2.86	128.47	124.51
14	Z	519	CLA	CHB-C4A-NA	2.86	128.46	124.51
17	L	4022	BCR	C3-C4-C5	-2.86	108.97	114.08
14	V	1502	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
14	b	510	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
14	G	1136	CLA	CAA-C2A-C3A	-2.86	104.95	112.78
14	Y	518	CLA	CMB-C2B-C3B	2.86	130.02	124.68
17	u	522	BCR	C38-C26-C27	2.86	119.10	113.62
17	f	4004	BCR	C28-C27-C26	-2.86	108.98	114.08
17	V	4022	BCR	C16-C17-C18	-2.86	123.23	127.31
14	B	1217	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
14	l	516	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
14	G	1135	CLA	O2A-C1-C2	2.86	116.14	108.64
17	3	524	BCR	C33-C5-C4	2.86	119.10	113.62
14	5	502	CLA	CMB-C2B-C1B	-2.86	124.08	128.46
17	n	4020	BCR	C34-C9-C8	2.86	122.58	118.08
17	u	523	BCR	C15-C16-C17	-2.86	117.62	123.47
14	j	1302	CLA	CMB-C2B-C1B	-2.85	124.08	128.46
14	r	517	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
18	L	5220	LHG	O8-C23-C24	2.85	120.86	111.91
14	3	511	CLA	CHB-C4A-NA	2.85	128.46	124.51
14	u	511	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	H	1012	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	e	1128	CLA	C1B-CHB-C4A	-2.85	124.47	130.12
14	5	507	CLA	CHB-C4A-NA	2.85	128.46	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1226	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	A	1136	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	4	505	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	Y	516	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
17	L	4020	BCR	C34-C9-C8	2.85	122.57	118.08
14	f	1223	CLA	CHB-C4A-NA	2.85	128.45	124.51
17	b	522	BCR	C38-C26-C25	-2.85	121.33	124.53
18	I	5001	LHG	O8-C23-C24	2.85	120.85	111.91
18	S	5001	LHG	O8-C23-C24	2.85	120.85	111.91
14	q	502	CLA	CHB-C4A-NA	2.85	128.45	124.51
14	A	1128	CLA	C1B-CHB-C4A	-2.85	124.47	130.12
17	a	524	BCR	C33-C5-C4	2.85	119.09	113.62
14	B	1212	CLA	CHB-C4A-NA	2.85	128.45	124.51
14	4	510	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	B	1012	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	d	507	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	b	505	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	t	505	CLA	CMB-C2B-C3B	2.85	130.01	124.68
17	B	4010	BCR	C4-C5-C6	-2.85	118.60	122.73
14	G	1128	CLA	C1B-CHB-C4A	-2.85	124.48	130.12
14	2	519	CLA	CHB-C4A-NA	2.85	128.45	124.51
14	v	504	CLA	CHB-C4A-NA	2.85	128.45	124.51
14	e	1133	CLA	C1B-CHB-C4A	-2.85	124.48	130.12
17	d	521	BCR	C7-C8-C9	-2.85	121.93	126.23
14	t	510	CLA	CHB-C4A-NA	2.85	128.45	124.51
17	e	4001	BCR	C2-C1-C6	2.85	114.86	110.48
14	B	1226	CLA	O2D-CGD-O1D	-2.85	118.28	123.84
17	G	4001	BCR	C2-C1-C6	2.85	114.86	110.48
14	2	504	CLA	CHB-C4A-NA	2.84	128.45	124.51
14	a	511	CLA	CHB-C4A-NA	2.84	128.44	124.51
14	d	504	CLA	CHB-C4A-NA	2.84	128.44	124.51
21	d	822	SQD	O5-C5-C4	2.84	114.86	109.69
14	G	1133	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	d	511	CLA	CHB-C4A-NA	2.84	128.44	124.51
18	V	5220	LHG	O8-C23-C24	2.84	120.83	111.91
14	5	504	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
17	n	4022	BCR	C3-C4-C5	-2.84	109.00	114.08
17	L	4022	BCR	C16-C17-C18	-2.84	123.25	127.31
14	B	1221	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
14	e	1133	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
17	6	521	BCR	C7-C8-C9	-2.84	121.94	126.23
14	1	502	CLA	CHB-C4A-NA	2.84	128.44	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	t	518	CLA	CMB-C2B-C3B	2.84	129.99	124.68
14	H	1221	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
14	e	1124	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
14	e	1136	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
14	v	517	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	A	1136	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
14	f	1226	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	f	1221	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
17	Y	523	BCR	C37-C22-C23	2.84	122.55	118.08
17	V	4022	BCR	C3-C4-C5	-2.84	109.01	114.08
14	f	1021	CLA	CMB-C2B-C3B	2.84	129.99	124.68
14	A	1133	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	e	1101	CLA	C7-C6-C5	-2.84	105.66	113.36
17	u	524	BCR	C21-C20-C19	-2.84	114.37	123.22
14	b	506	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	b	501	CLA	CHB-C4A-NA	2.84	128.43	124.51
17	A	4001	BCR	C2-C1-C6	2.84	114.85	110.48
14	u	504	CLA	O2D-CGD-O1D	-2.84	118.30	123.84
14	s	503	CLA	CMB-C2B-C3B	2.83	129.98	124.68
14	4	506	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	l	1303	CLA	CHB-C4A-NA	2.83	128.43	124.51
21	6	822	SQD	O5-C5-C4	2.83	114.84	109.69
17	f	4010	BCR	C4-C5-C6	-2.83	118.62	122.73
14	b	502	CLA	CMB-C2B-C1B	-2.83	124.11	128.46
17	G	4008	BCR	C15-C16-C17	-2.83	117.67	123.47
17	l	523	BCR	C37-C22-C23	2.83	122.54	118.08
21	v	822	SQD	C4-C3-C2	2.83	115.77	110.82
21	6	822	SQD	C4-C3-C2	2.83	115.77	110.82
14	e	1122	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	a	503	CLA	CMB-C2B-C3B	2.83	129.98	124.68
14	t	510	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	6	511	CLA	CHB-C4A-NA	2.83	128.43	124.51
14	u	507	CLA	CHB-C4A-NA	2.83	128.43	124.51
17	A	4008	BCR	C15-C16-C17	-2.83	117.67	123.47
17	f	4009	BCR	C33-C5-C6	-2.83	121.35	124.53
14	3	503	CLA	CMB-C2B-C3B	2.83	129.98	124.68
14	B	1223	CLA	CHB-C4A-NA	2.83	128.43	124.51
17	5	524	BCR	C21-C20-C19	-2.83	114.38	123.22
14	e	1134	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	Y	505	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	f	1212	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
17	t	522	BCR	C38-C26-C27	2.83	119.05	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	n	4022	BCR	C16-C17-C18	-2.83	123.27	127.31
14	e	1136	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	t	506	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
17	e	4008	BCR	C15-C16-C17	-2.83	117.68	123.47
14	G	1122	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
17	r	524	BCR	C7-C8-C9	-2.83	121.96	126.23
14	6	507	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	f	1217	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	H	1239	CLA	CMC-C2C-C3C	2.83	133.79	126.12
14	A	1013	CLA	CHB-C4A-NA	2.83	128.42	124.51
14	H	1223	CLA	CHB-C4A-NA	2.83	128.42	124.51
14	b	518	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	a	513	CLA	CHB-C4A-NA	2.83	128.42	124.51
14	4	518	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	q	517	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	a	510	CLA	CHB-C4A-NA	2.83	128.42	124.51
14	G	1801	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	q	505	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
17	4	522	BCR	C38-C26-C27	2.83	119.04	113.62
21	v	822	SQD	O5-C5-C4	2.82	114.82	109.69
14	B	1212	CLA	O2D-CGD-O1D	-2.82	118.31	123.84
17	r	521	BCR	C33-C5-C6	-2.82	121.36	124.53
14	H	1226	CLA	C1B-CHB-C4A	-2.82	124.52	130.12
14	Y	518	CLA	CHB-C4A-NA	2.82	128.42	124.51
14	B	1239	CLA	CMC-C2C-C3C	2.82	133.78	126.12
14	A	1124	CLA	CAA-C2A-C3A	-2.82	105.05	112.78
14	A	1117	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
17	Y	523	BCR	C33-C5-C6	-2.82	121.36	124.53
14	6	517	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
14	v	507	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
14	H	1203	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	A	1134	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
14	H	1239	CLA	C16-C15-C13	-2.82	106.80	115.92
17	V	4020	BCR	C34-C9-C8	2.82	122.52	118.08
14	G	1124	CLA	CAA-C2A-C3A	-2.82	105.05	112.78
14	l	517	CLA	CMB-C2B-C3B	2.82	129.96	124.68
14	Y	517	CLA	CMB-C2B-C3B	2.82	129.96	124.68
14	G	1117	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
14	s	503	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	e	1136	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
17	u	521	BCR	C38-C26-C25	-2.82	121.36	124.53
21	d	822	SQD	C4-C3-C2	2.82	115.74	110.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1136	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	4	510	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	t	502	CLA	CMB-C2B-C1B	-2.82	124.13	128.46
14	1	505	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	b	510	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	r	519	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	A	1114	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
17	c	524	BCR	C21-C20-C19	-2.82	114.43	123.22
14	c	507	CLA	CHB-C4A-NA	2.82	128.41	124.51
14	r	519	CLA	CMB-C2B-C1B	-2.82	124.14	128.46
14	H	1212	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	A	1101	CLA	C7-C6-C5	-2.82	105.71	113.36
14	A	1109	CLA	O2A-CGA-O1A	-2.82	116.49	123.59
14	e	1137	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
17	q	523	BCR	C37-C22-C23	2.81	122.51	118.08
14	e	1114	CLA	O2D-CGD-O1D	-2.81	118.33	123.84
14	B	1239	CLA	C16-C15-C13	-2.81	106.82	115.92
17	2	521	BCR	C33-C5-C6	-2.81	121.37	124.53
14	f	1239	CLA	CMC-C2C-C3C	2.81	133.76	126.12
14	G	1013	CLA	CHB-C4A-NA	2.81	128.40	124.51
14	A	1122	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	f	1226	CLA	C1B-CHB-C4A	-2.81	124.55	130.12
17	5	521	BCR	C38-C26-C25	-2.81	121.37	124.53
14	f	1239	CLA	C16-C15-C13	-2.81	106.83	115.92
14	A	1136	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	t	509	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	e	1117	CLA	C1B-CHB-C4A	-2.81	124.55	130.12
14	f	1222	CLA	C1B-CHB-C4A	-2.81	124.55	130.12
14	e	1109	CLA	O2A-CGA-O1A	-2.81	116.50	123.59
14	B	1021	CLA	CMB-C2B-C3B	2.81	129.94	124.68
14	R	1302	CLA	CHB-C4A-NA	2.81	128.40	124.51
14	A	1128	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	b	504	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
17	Z	524	BCR	C7-C8-C9	-2.81	121.99	126.23
14	Z	519	CLA	CMB-C2B-C1B	-2.81	124.15	128.46
14	G	1134	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	B	1226	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
14	A	1801	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	e	1128	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	t	504	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	f	1215	CLA	C1-C2-C3	-2.81	121.19	126.04
17	2	524	BCR	C7-C8-C9	-2.81	121.99	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1236	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
14	4	502	CLA	CMB-C2B-C1B	-2.81	124.15	128.46
14	n	1503	CLA	CHB-C4A-NA	2.81	128.39	124.51
14	a	510	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
21	L	5216	SQD	O8-S-C6	2.81	110.21	105.74
17	Y	522	BCR	C33-C5-C6	-2.81	121.38	124.53
14	H	1021	CLA	CMB-C2B-C3B	2.81	129.93	124.68
14	G	1101	CLA	C7-C6-C5	-2.81	105.74	113.36
14	B	1222	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
14	f	1236	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
14	T	1303	CLA	CHB-C4A-NA	2.81	128.39	124.51
14	f	1211	CLA	C1B-CHB-C4A	-2.80	124.56	130.12
21	u	822	SQD	C1-O5-C5	2.80	119.19	113.69
14	2	519	CLA	CMB-C2B-C1B	-2.80	124.16	128.46
14	3	510	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	3	519	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
17	c	521	BCR	C38-C26-C25	-2.80	121.38	124.53
14	3	513	CLA	CHB-C4A-NA	2.80	128.39	124.51
17	R	4016	BCR	C16-C15-C14	-2.80	117.73	123.47
21	n	5216	SQD	O8-S-C6	2.80	110.21	105.74
14	e	1129	CLA	O2D-CGD-CBD	2.80	116.25	111.27
14	G	1134	CLA	CHB-C4A-NA	2.80	128.39	124.51
14	e	1121	CLA	CHB-C4A-NA	2.80	128.39	124.51
14	H	1222	CLA	C1B-CHB-C4A	-2.80	124.57	130.12
17	b	522	BCR	C38-C26-C27	2.80	119.00	113.62
14	s	519	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	A	1102	CLA	CHB-C4A-NA	2.80	128.38	124.51
17	r	524	BCR	C20-C21-C22	-2.80	123.31	127.31
17	U	4104	BCR	C10-C11-C12	-2.80	114.48	123.22
14	G	1114	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	a	519	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	F	1302	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	Y	503	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	b	508	CLA	CHB-C4A-NA	2.80	128.38	124.51
17	K	4104	BCR	C3-C4-C5	-2.80	109.08	114.08
14	J	1303	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	1	518	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	Y	502	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	A	1137	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	Z	513	CLA	CMB-C2B-C3B	2.80	129.91	124.68
14	4	509	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
17	1	523	BCR	C33-C5-C6	-2.80	121.39	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	1	507	CLA	C2A-C1A-CHA	2.80	128.75	123.86
14	s	510	CLA	CHB-C4A-NA	2.80	128.38	124.51
14	4	504	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	e	1109	CLA	C1B-CHB-C4A	-2.79	124.58	130.12
17	Z	521	BCR	C33-C5-C6	-2.79	121.39	124.53
14	3	510	CLA	CHB-C4A-NA	2.79	128.38	124.51
14	B	1215	CLA	C1B-CHB-C4A	-2.79	124.58	130.12
14	G	1128	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
17	m	4104	BCR	C10-C11-C12	-2.79	114.50	123.22
14	B	1203	CLA	CHB-C4A-NA	2.79	128.38	124.51
14	e	1102	CLA	CHB-C4A-NA	2.79	128.38	124.51
14	G	1129	CLA	O2D-CGD-CBD	2.79	116.23	111.27
14	f	1215	CLA	O2D-CGD-CBD	2.79	116.23	111.27
14	s	516	CLA	CAC-C3C-C2C	-2.79	122.75	127.53
14	1	512	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	3	503	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	H	1236	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
17	H	4014	BCR	C36-C18-C19	2.79	122.48	118.08
17	U	4104	BCR	C3-C4-C5	-2.79	109.09	114.08
14	s	505	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
17	K	4104	BCR	C10-C11-C12	-2.79	114.50	123.22
17	Y	522	BCR	C38-C26-C25	-2.79	121.39	124.53
14	T	1302	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	d	517	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
18	V	5220	LHG	C11-C10-C9	-2.79	100.26	114.42
14	G	1109	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
14	G	1122	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	Y	512	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	c	513	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	3	516	CLA	CAC-C3C-C2C	-2.79	122.76	127.53
14	j	1302	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	q	507	CLA	C2A-C1A-CHA	2.79	128.74	123.86
17	n	4219	BCR	C1-C6-C7	2.79	123.67	115.78
14	L	1503	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	b	517	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	f	1203	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	A	1129	CLA	O2D-CGD-CBD	2.79	116.22	111.27
14	G	1109	CLA	O2A-CGA-O1A	-2.79	116.56	123.59
14	B	1211	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
14	H	1215	CLA	C1B-CHB-C4A	-2.79	124.60	130.12
14	e	1101	CLA	CAA-CBA-CGA	-2.79	105.11	113.25
15	G	2001	PQN	C14-C13-C15	-2.79	110.58	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	519	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
14	A	1134	CLA	CHB-C4A-NA	2.79	128.37	124.51
14	c	519	CLA	CHB-C4A-NA	2.79	128.37	124.51
17	B	4014	BCR	C36-C18-C19	2.79	122.47	118.08
14	A	1109	CLA	C1B-CHB-C4A	-2.79	124.60	130.12
14	H	1219	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
14	c	507	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
17	2	524	BCR	C20-C21-C22	-2.79	123.33	127.31
14	2	513	CLA	CMB-C2B-C3B	2.79	129.89	124.68
21	V	5216	SQD	O8-S-C6	2.79	110.18	105.74
14	3	505	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
14	b	509	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
14	q	518	CLA	CHB-C4A-NA	2.78	128.36	124.51
21	5	822	SQD	C1-O5-C5	2.78	119.15	113.69
17	F	4016	BCR	C16-C15-C14	-2.78	117.77	123.47
14	f	1219	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
14	G	1101	CLA	O2D-CGD-CBD	2.78	116.22	111.27
14	e	1801	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
14	B	1215	CLA	C1-C2-C3	-2.78	121.23	126.04
14	B	1217	CLA	CHB-C4A-NA	2.78	128.36	124.51
15	A	2001	PQN	C14-C13-C15	-2.78	110.59	115.27
14	e	1129	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
17	L	4219	BCR	C1-C6-C7	2.78	123.65	115.78
14	G	1129	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
14	c	503	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	G	1111	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	b	508	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
18	L	5220	LHG	C11-C10-C9	-2.78	100.30	114.42
14	H	1222	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	v	506	CLA	CHB-C4A-NA	2.78	128.36	124.51
14	A	1101	CLA	CAA-CBA-CGA	-2.78	105.13	113.25
14	G	1137	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	r	519	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	t	508	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	Y	507	CLA	C2A-C1A-CHA	2.78	128.72	123.86
14	e	1134	CLA	CHB-C4A-NA	2.78	128.36	124.51
17	V	4219	BCR	C1-C6-C7	2.78	123.64	115.78
14	q	512	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	c	517	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
15	e	2001	PQN	C14-C13-C15	-2.78	110.59	115.27
14	4	508	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	s	510	CLA	O2D-CGD-O1D	-2.78	118.40	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	u	513	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	H	1211	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
17	j	4016	BCR	C16-C15-C14	-2.78	117.78	123.47
14	e	1101	CLA	O2D-CGD-CBD	2.78	116.21	111.27
17	A	4011	BCR	C10-C11-C12	-2.78	114.55	123.22
14	5	513	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	U	1105	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
17	m	4104	BCR	C3-C4-C5	-2.78	109.12	114.08
14	5	507	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
14	G	1135	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
14	A	1101	CLA	O2D-CGD-CBD	2.78	116.20	111.27
14	G	1110	CLA	CHB-C4A-NA	2.78	128.35	124.51
14	s	513	CLA	CHB-C4A-NA	2.78	128.35	124.51
17	c	522	BCR	C23-C24-C25	-2.78	119.40	127.20
14	A	1122	CLA	CMB-C2B-C3B	2.78	129.87	124.68
17	e	4011	BCR	C10-C11-C12	-2.78	114.55	123.22
14	4	517	CLA	CHB-C4A-NA	2.78	128.35	124.51
14	G	1102	CLA	CHB-C4A-NA	2.78	128.35	124.51
14	H	1215	CLA	C1-C2-C3	-2.78	121.24	126.04
14	6	509	CLA	CHB-C4A-NA	2.78	128.35	124.51
14	f	1227	CLA	O2A-CGA-O1A	-2.78	116.59	123.59
21	c	822	SQD	C1-O5-C5	2.78	119.14	113.69
14	G	1101	CLA	CAA-CBA-CGA	-2.77	105.14	113.25
17	3	523	BCR	C33-C5-C6	-2.77	121.41	124.53
14	e	1135	CLA	O2D-CGD-O1D	-2.77	118.41	123.84
14	A	1129	CLA	C1B-CHB-C4A	-2.77	124.62	130.12
18	n	5220	LHG	C11-C10-C9	-2.77	100.34	114.42
14	Y	501	CLA	CHB-C4A-NA	2.77	128.35	124.51
17	1	522	BCR	C33-C5-C6	-2.77	121.41	124.53
14	1	510	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	c	503	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	e	1011	CLA	CMB-C2B-C3B	2.77	129.87	124.68
17	f	4014	BCR	C36-C18-C19	2.77	122.45	118.08
14	e	1122	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	l	1302	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	A	1111	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	Y	511	CLA	CHB-C4A-NA	2.77	128.35	124.51
14	d	509	CLA	CHB-C4A-NA	2.77	128.35	124.51
17	Z	524	BCR	C33-C5-C4	2.77	118.94	113.62
14	t	503	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	b	502	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	J	1302	CLA	CMB-C2B-C3B	2.77	129.86	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	d	506	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	K	1105	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
14	A	1135	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	B	1215	CLA	O2D-CGD-CBD	2.77	116.19	111.27
14	Z	503	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	5	503	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	q	510	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	q	519	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
17	5	522	BCR	C23-C24-C25	-2.77	119.42	127.20
14	H	1216	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	e	1109	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	5	503	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
17	q	523	BCR	C33-C5-C6	-2.77	121.42	124.53
14	f	1215	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
14	r	513	CLA	CMB-C2B-C3B	2.77	129.86	124.68
17	Z	524	BCR	C20-C21-C22	-2.77	123.36	127.31
17	u	522	BCR	C16-C17-C18	-2.77	123.36	127.31
14	Y	517	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	Z	519	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	e	1110	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	v	509	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	a	516	CLA	CAC-C3C-C2C	-2.77	122.79	127.53
14	G	1110	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	u	503	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	G	1113	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	c	510	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	Y	513	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
14	H	1217	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	B	1240	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
17	G	4003	BCR	C7-C8-C9	-2.77	122.05	126.23
14	H	1240	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	4	503	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	a	503	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	v	519	CLA	CHB-C4A-NA	2.77	128.34	124.51
18	e	5001	LHG	C20-C19-C18	-2.77	100.38	114.42
21	3	822	SQD	C44-O6-C1	2.77	119.14	113.74
14	H	1215	CLA	O2D-CGD-CBD	2.77	116.19	111.27
14	B	1219	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	5	505	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	f	1240	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	l	503	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	e	1133	CLA	CHB-C4A-NA	2.77	128.34	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	513	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	u	510	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	A	1132	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
14	e	1113	CLA	CHB-C4A-NA	2.77	128.34	124.51
17	G	4011	BCR	C10-C11-C12	-2.77	114.59	123.22
14	5	517	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	Y	510	CLA	CMB-C2B-C3B	2.77	129.85	124.68
14	G	1109	CLA	CHB-C4A-NA	2.77	128.34	124.51
14	5	510	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	t	502	CLA	O2D-CGD-O1D	-2.76	118.43	123.84
14	l	513	CLA	C1B-CHB-C4A	-2.76	124.64	130.12
17	c	522	BCR	C16-C17-C18	-2.76	123.36	127.31
17	u	522	BCR	C23-C24-C25	-2.76	119.44	127.20
14	l	508	CLA	O2D-CGD-O1D	-2.76	118.43	123.84
14	v	501	CLA	CHB-C4A-NA	2.76	128.33	124.51
18	A	5001	LHG	C20-C19-C18	-2.76	100.40	114.42
17	e	4008	BCR	C33-C5-C6	-2.76	121.42	124.53
14	l	501	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	2	503	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	4	508	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	B	1222	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
18	G	5001	LHG	C20-C19-C18	-2.76	100.40	114.42
14	d	519	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	5	519	CLA	CHB-C4A-NA	2.76	128.33	124.51
17	G	4008	BCR	C38-C26-C25	-2.76	121.43	124.53
17	s	523	BCR	C33-C5-C6	-2.76	121.43	124.53
14	l	517	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	A	1110	CLA	CMB-C2B-C3B	2.76	129.84	124.68
14	l	519	CLA	CMB-C2B-C3B	2.76	129.84	124.68
14	A	1109	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	G	1133	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	l	519	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	A	1106	CLA	O2D-CGD-CBD	2.76	116.17	111.27
21	r	822	SQD	C44-O6-C1	2.76	119.13	113.74
14	Y	508	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	G	1132	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
14	r	503	CLA	CHB-C4A-NA	2.76	128.33	124.51
17	r	524	BCR	C33-C5-C4	2.76	118.92	113.62
14	u	507	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	B	1227	CLA	O2A-CGA-O1A	-2.76	116.63	123.59
17	a	523	BCR	C33-C5-C6	-2.76	121.43	124.53
14	u	519	CLA	CHB-C4A-NA	2.76	128.33	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	505	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	u	505	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
17	s	524	BCR	C21-C20-C19	-2.76	114.61	123.22
14	4	502	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	B	1216	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	f	1217	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	A	1114	CLA	CAA-C2A-C3A	-2.76	105.22	112.78
17	2	524	BCR	C33-C5-C4	2.76	118.92	113.62
14	e	1113	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
14	v	519	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
17	H	4010	BCR	C36-C18-C19	2.76	122.42	118.08
21	c	822	SQD	O5-C5-C4	2.76	114.70	109.69
14	6	519	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
14	m	1105	CLA	C1B-CHB-C4A	-2.76	124.66	130.12
14	t	508	CLA	CHB-C4A-NA	2.76	128.32	124.51
14	B	1239	CLA	C6-C7-C8	-2.76	107.01	115.92
14	H	1239	CLA	C6-C7-C8	-2.76	107.01	115.92
14	e	1111	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
17	q	522	BCR	C33-C5-C6	-2.76	121.43	124.53
17	B	4009	BCR	C33-C5-C4	2.76	118.91	113.62
17	q	524	BCR	C21-C20-C19	-2.76	114.62	123.22
14	e	1114	CLA	CAA-C2A-C3A	-2.75	105.23	112.78
14	G	1114	CLA	CAA-C2A-C3A	-2.75	105.23	112.78
14	H	1220	CLA	CHB-C4A-NA	2.75	128.32	124.51
17	l	522	BCR	C38-C26-C25	-2.75	121.44	124.53
17	G	4008	BCR	C33-C5-C6	-2.75	121.44	124.53
14	q	508	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
14	e	1110	CLA	CMB-C2B-C3B	2.75	129.83	124.68
14	u	511	CLA	CHB-C4A-NA	2.75	128.32	124.51
14	c	505	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
17	H	4009	BCR	C33-C5-C4	2.75	118.91	113.62
17	a	524	BCR	C21-C20-C19	-2.75	114.63	123.22
14	V	1503	CLA	CHB-C4A-NA	2.75	128.32	124.51
14	e	1123	CLA	CHB-C4A-NA	2.75	128.32	124.51
14	Z	513	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
17	3	524	BCR	C21-C20-C19	-2.75	114.63	123.22
14	A	1113	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
17	Y	524	BCR	C21-C20-C19	-2.75	114.63	123.22
14	G	1107	CLA	C2D-C1D-ND	-2.75	108.08	110.10
14	e	1110	CLA	C1-C2-C3	-2.75	121.28	126.04
14	H	1238	CLA	CHB-C4A-NA	2.75	128.32	124.51
14	6	506	CLA	CHB-C4A-NA	2.75	128.32	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1131	CLA	CHB-C4A-NA	2.75	128.32	124.51
14	q	513	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
14	6	506	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
14	f	1239	CLA	C6-C7-C8	-2.75	107.03	115.92
14	A	1131	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	t	513	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	b	503	CLA	CMB-C2B-C3B	2.75	129.82	124.68
17	1	523	BCR	C23-C24-C25	-2.75	119.48	127.20
17	q	523	BCR	C23-C24-C25	-2.75	119.48	127.20
14	d	506	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
17	1	524	BCR	C21-C20-C19	-2.75	114.64	123.22
14	e	1106	CLA	O2D-CGD-CBD	2.75	116.15	111.27
14	A	1011	CLA	CMB-C2B-C3B	2.75	129.82	124.68
14	H	1229	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	r	516	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	u	513	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
17	r	524	BCR	C8-C7-C6	-2.75	119.49	127.20
14	2	516	CLA	CHB-C4A-NA	2.75	128.31	124.51
21	Z	822	SQD	C44-O6-C1	2.75	119.11	113.74
14	q	508	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
14	H	1227	CLA	O2A-CGA-O1A	-2.75	116.66	123.59
14	G	1237	CLA	CMB-C2B-C1B	-2.75	124.24	128.46
17	f	4010	BCR	C36-C18-C19	2.75	122.41	118.08
14	A	1133	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	Y	513	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	H	1239	CLA	O2A-C1-C2	-2.75	101.42	108.64
14	e	1131	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
14	1	511	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	q	501	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	G	1131	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
14	e	1013	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
14	q	517	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
14	t	511	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
14	Y	508	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
14	d	507	CLA	C1B-CHB-C4A	-2.75	124.68	130.12
21	2	822	SQD	C44-O6-C1	2.75	119.10	113.74
14	6	519	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	e	1114	CLA	CMB-C2B-C3B	2.75	129.81	124.68
14	f	1231	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
17	A	4008	BCR	C33-C5-C6	-2.74	121.45	124.53
14	5	513	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
14	Z	503	CLA	O2D-CGD-O1D	-2.74	118.47	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1120	CLA	O2D-CGD-CBD	2.74	116.14	111.27
14	e	1132	CLA	C1B-CHB-C4A	-2.74	124.68	130.12
14	r	503	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
14	B	1239	CLA	O2A-C1-C2	-2.74	101.42	108.64
14	Y	519	CLA	CMB-C2B-C3B	2.74	129.81	124.68
17	5	522	BCR	C16-C17-C18	-2.74	123.39	127.31
14	1	508	CLA	C1B-CHB-C4A	-2.74	124.68	130.12
17	2	523	BCR	C15-C16-C17	-2.74	117.86	123.47
14	4	511	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
14	Y	519	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
14	b	516	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
14	q	519	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	v	506	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
17	f	4017	BCR	C20-C21-C22	-2.74	123.40	127.31
14	f	1239	CLA	O2A-C1-C2	-2.74	101.43	108.64
14	4	506	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	H	1231	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	u	517	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	G	1131	CLA	CHB-C4A-NA	2.74	128.30	124.51
17	e	4003	BCR	C7-C8-C9	-2.74	122.09	126.23
14	v	507	CLA	C1B-CHB-C4A	-2.74	124.69	130.12
17	Z	523	BCR	C15-C16-C17	-2.74	117.86	123.47
14	A	1113	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	6	501	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	d	519	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
17	B	4010	BCR	C36-C18-C19	2.74	122.39	118.08
17	l	4013	BCR	C10-C11-C12	-2.74	114.67	123.22
14	U	1401	CLA	O2D-CGD-CBD	2.74	116.14	111.27
14	A	1123	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	d	501	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	s	513	CLA	CMB-C2B-C3B	2.74	129.80	124.68
21	a	822	SQD	C44-O6-C1	2.74	119.09	113.74
21	5	822	SQD	O5-C5-C4	2.74	114.67	109.69
14	A	1110	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	4	513	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	f	1239	CLA	CHB-C4A-NA	2.74	128.30	124.51
21	s	822	SQD	C44-O6-C1	2.74	119.09	113.74
17	A	4003	BCR	C7-C8-C9	-2.74	122.10	126.23
14	d	512	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	u	503	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	Z	516	CLA	CHB-C4A-NA	2.74	128.30	124.51
17	H	4004	BCR	C16-C15-C14	-2.74	117.87	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1114	CLA	CMB-C2B-C3B	2.74	129.80	124.68
17	s	522	BCR	C33-C5-C6	-2.74	121.45	124.53
14	l	513	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	t	517	CLA	CHB-C4A-NA	2.74	128.30	124.51
14	2	503	CLA	O2D-CGD-O1D	-2.74	118.49	123.84
14	t	516	CLA	O2D-CGD-O1D	-2.74	118.49	123.84
14	A	1131	CLA	C1B-CHB-C4A	-2.74	124.70	130.12
14	G	1106	CLA	O2D-CGD-CBD	2.74	116.13	111.27
14	l	506	CLA	CHB-C4A-NA	2.74	128.29	124.51
17	Y	523	BCR	C23-C24-C25	-2.74	119.52	127.20
14	f	1229	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	n	1501	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	q	503	CLA	CHB-C4A-NA	2.73	128.29	124.51
17	e	4008	BCR	C38-C26-C25	-2.73	121.46	124.53
17	r	523	BCR	C15-C16-C17	-2.73	117.87	123.47
14	r	513	CLA	C1B-CHB-C4A	-2.73	124.70	130.12
17	2	522	BCR	C1-C6-C5	-2.73	118.76	122.61
14	4	516	CLA	O2D-CGD-O1D	-2.73	118.49	123.84
14	e	1107	CLA	C2D-C1D-ND	-2.73	108.09	110.10
14	b	506	CLA	CHB-C4A-NA	2.73	128.29	124.51
17	B	4017	BCR	C20-C21-C22	-2.73	123.41	127.31
14	A	1114	CLA	CMB-C2B-C3B	2.73	129.79	124.68
17	r	522	BCR	C1-C6-C5	-2.73	118.76	122.61
14	A	1013	CLA	C1B-CHB-C4A	-2.73	124.70	130.12
18	A	5009	LHG	O8-C23-C24	2.73	120.49	111.91
14	f	1216	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	6	512	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
17	f	4004	BCR	C16-C15-C14	-2.73	117.88	123.47
17	f	4009	BCR	C33-C5-C4	2.73	118.86	113.62
14	l	516	CLA	CAC-C3C-C4C	2.73	128.35	124.81
14	6	517	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	G	1110	CLA	C1-C2-C3	-2.73	121.32	126.04
14	B	1220	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	6	513	CLA	CHB-C4A-NA	2.73	128.29	124.51
17	J	4013	BCR	C20-C19-C18	-2.73	118.74	126.42
14	f	1239	CLA	CMB-C2B-C1B	-2.73	124.27	128.46
17	Z	522	BCR	C1-C6-C5	-2.73	118.77	122.61
17	G	4007	BCR	C15-C16-C17	-2.73	117.88	123.47
14	B	1231	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	u	508	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
14	V	1501	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	q	513	CLA	CHB-C4A-NA	2.73	128.29	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	e	5009	LHG	O8-C23-C24	2.73	120.48	111.91
14	f	1216	CLA	O2A-CGA-CBA	2.73	120.47	111.91
18	G	5009	LHG	O8-C23-C24	2.73	120.47	111.91
14	L	1501	CLA	CHB-C4A-NA	2.73	128.29	124.51
14	B	1212	CLA	C1B-CHB-C4A	-2.73	124.71	130.12
17	T	4013	BCR	C10-C11-C12	-2.73	114.70	123.22
17	J	4013	BCR	C10-C11-C12	-2.73	114.70	123.22
17	A	4008	BCR	C38-C26-C25	-2.73	121.46	124.53
14	b	513	CLA	CHB-C4A-NA	2.73	128.28	124.51
14	B	1216	CLA	O2A-CGA-CBA	2.73	120.47	111.91
14	c	519	CLA	CMB-C2B-C3B	2.73	129.78	124.68
17	Z	524	BCR	C8-C7-C6	-2.73	119.54	127.20
17	L	4019	BCR	C38-C26-C25	-2.73	121.47	124.53
14	H	1217	CLA	CMB-C2B-C3B	2.73	129.78	124.68
17	R	4016	BCR	C11-C12-C13	-2.73	118.75	126.42
14	Y	504	CLA	CHB-C4A-NA	2.73	128.28	124.51
14	f	1235	CLA	CHB-C4A-NA	2.73	128.28	124.51
17	q	522	BCR	C38-C26-C25	-2.73	121.47	124.53
14	H	1213	CLA	O2D-CGD-CBD	2.73	116.11	111.27
14	2	513	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
17	B	4004	BCR	C16-C15-C14	-2.73	117.89	123.47
14	Y	510	CLA	CHB-C4A-NA	2.73	128.28	124.51
21	u	822	SQD	O5-C5-C4	2.73	114.64	109.69
14	f	1222	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
14	e	1237	CLA	CMB-C2B-C1B	-2.73	124.27	128.46
14	f	1238	CLA	CHB-C4A-NA	2.73	128.28	124.51
14	q	516	CLA	CAC-C3C-C4C	2.73	128.35	124.81
14	A	1110	CLA	C1-C2-C3	-2.73	121.33	126.04
17	n	4019	BCR	C38-C26-C25	-2.72	121.47	124.53
14	Y	506	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	5	519	CLA	CMB-C2B-C3B	2.72	129.78	124.68
14	e	1126	CLA	O2D-CGD-CBD	2.72	116.11	111.27
17	2	524	BCR	C8-C7-C6	-2.72	119.55	127.20
14	5	511	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	v	517	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	G	1013	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
17	3	522	BCR	C15-C16-C17	-2.72	117.89	123.47
17	s	522	BCR	C15-C16-C17	-2.72	117.89	123.47
14	A	1237	CLA	CMB-C2B-C1B	-2.72	124.28	128.46
14	r	516	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
14	c	505	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	3	513	CLA	CMB-C2B-C3B	2.72	129.77	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1011	CLA	CMB-C2B-C3B	2.72	129.77	124.68
14	B	1213	CLA	O2D-CGD-CBD	2.72	116.11	111.27
14	b	505	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
14	q	504	CLA	CHB-C4A-NA	2.72	128.28	124.51
14	5	508	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	c	508	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
17	c	524	BCR	C15-C16-C17	-2.72	117.90	123.47
14	6	507	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
14	H	1216	CLA	O2A-CGA-CBA	2.72	120.45	111.91
14	t	513	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	K	1401	CLA	O2D-CGD-CBD	2.72	116.11	111.27
17	a	522	BCR	C15-C16-C17	-2.72	117.90	123.47
14	B	1238	CLA	CHB-C4A-NA	2.72	128.28	124.51
17	v	523	BCR	C28-C27-C26	-2.72	109.22	114.08
14	4	505	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	r	504	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	u	510	CLA	CHB-C4A-NA	2.72	128.27	124.51
14	r	505	CLA	C1-C2-C3	-2.72	121.34	126.04
17	5	524	BCR	C15-C16-C17	-2.72	117.90	123.47
17	T	4013	BCR	C20-C19-C18	-2.72	118.78	126.42
14	H	1239	CLA	CMC-C2C-C1C	-2.72	120.90	125.04
14	Z	505	CLA	C1-C2-C3	-2.72	121.34	126.04
14	A	1120	CLA	O2D-CGD-CBD	2.72	116.10	111.27
17	j	4016	BCR	C11-C12-C13	-2.72	118.78	126.42
14	1	501	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
14	f	1212	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
14	q	506	CLA	CHB-C4A-NA	2.72	128.27	124.51
17	6	523	BCR	C28-C27-C26	-2.72	109.22	114.08
14	v	513	CLA	CHB-C4A-NA	2.72	128.27	124.51
17	l	4013	BCR	C20-C19-C18	-2.72	118.78	126.42
14	2	516	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
14	f	1213	CLA	O2D-CGD-CBD	2.72	116.10	111.27
14	c	511	CLA	CHB-C4A-NA	2.72	128.27	124.51
17	F	4016	BCR	C11-C12-C13	-2.72	118.78	126.42
14	A	1107	CLA	C2D-C1D-ND	-2.72	108.10	110.10
14	H	1212	CLA	C1B-CHB-C4A	-2.72	124.74	130.12
14	5	510	CLA	CHB-C4A-NA	2.72	128.27	124.51
21	4	822	SQD	C1-O5-C5	2.72	119.02	113.69
14	Z	504	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
21	3	822	SQD	O8-S-C6	2.72	110.07	105.74
17	n	4219	BCR	C23-C22-C21	-2.71	114.78	118.94
14	e	1120	CLA	O2D-CGD-CBD	2.71	116.09	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	1103	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	5	512	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
14	t	505	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
14	m	1401	CLA	O2D-CGD-CBD	2.71	116.09	111.27
17	V	4019	BCR	C38-C26-C25	-2.71	121.48	124.53
14	2	504	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
14	Y	501	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
14	v	508	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	B	1229	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	H	1239	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	v	512	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
17	H	4017	BCR	C20-C21-C22	-2.71	123.44	127.31
14	B	1217	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	c	516	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
14	6	508	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	H	1227	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
14	f	1204	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
14	u	519	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	f	1224	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
17	A	4007	BCR	C15-C16-C17	-2.71	117.92	123.47
14	2	504	CLA	CMB-C2B-C3B	2.71	129.75	124.68
17	L	4219	BCR	C23-C22-C21	-2.71	114.78	118.94
17	v	522	BCR	C38-C26-C25	-2.71	121.49	124.53
14	l	510	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	r	506	CLA	CHB-C4A-NA	2.71	128.26	124.51
17	e	4007	BCR	C15-C16-C17	-2.71	117.92	123.47
14	5	516	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
14	f	1220	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	B	1239	CLA	CMB-C2B-C1B	-2.71	124.30	128.46
14	Z	504	CLA	CMB-C2B-C3B	2.71	129.74	124.68
14	G	1123	CLA	CHB-C4A-NA	2.71	128.26	124.51
14	A	1126	CLA	O2D-CGD-CBD	2.71	116.08	111.27
14	r	513	CLA	CHB-C4A-NA	2.71	128.25	124.51
17	a	522	BCR	C16-C17-C18	-2.71	123.45	127.31
14	B	1239	CLA	CHB-C4A-NA	2.71	128.25	124.51
14	t	516	CLA	CHB-C4A-NA	2.71	128.25	124.51
17	V	4219	BCR	C23-C22-C21	-2.71	114.79	118.94
17	Y	523	BCR	C23-C22-C21	-2.71	114.79	118.94
14	t	501	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
14	u	512	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
14	2	507	CLA	CHB-C4A-NA	2.71	128.25	124.51
14	G	1106	CLA	CHB-C4A-NA	2.71	128.25	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	511	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
14	G	1126	CLA	O2D-CGD-CBD	2.71	116.08	111.27
17	u	524	BCR	C15-C16-C17	-2.70	117.93	123.47
14	Z	516	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
14	Y	517	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	B	1238	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
14	H	1238	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
14	Y	516	CLA	CAC-C3C-C4C	2.70	128.32	124.81
14	r	504	CLA	CMB-C2B-C3B	2.70	129.74	124.68
14	B	1235	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	f	1227	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
17	d	523	BCR	C28-C27-C26	-2.70	109.25	114.08
17	d	522	BCR	C38-C26-C25	-2.70	121.49	124.53
14	a	511	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
14	Z	505	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	Z	513	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	d	513	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	4	501	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	4	513	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	f	1217	CLA	CMB-C2B-C3B	2.70	129.73	124.68
14	G	1112	CLA	C1B-CHB-C4A	-2.70	124.77	130.12
14	A	1140	CLA	CHB-C4A-NA	2.70	128.25	124.51
21	t	822	SQD	C1-O5-C5	2.70	118.99	113.69
14	G	1113	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	b	513	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	3	511	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
21	b	822	SQD	C1-O5-C5	2.70	118.99	113.69
14	a	513	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	s	506	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	t	506	CLA	CHB-C4A-NA	2.70	128.25	124.51
14	2	505	CLA	C1-C2-C3	-2.70	121.38	126.04
14	G	1140	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	b	511	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	6	507	CLA	C2A-C1A-CHA	2.70	128.58	123.86
14	a	513	CLA	CMB-C2B-C3B	2.70	129.73	124.68
14	v	511	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	a	508	CLA	C1B-CHB-C4A	-2.70	124.77	130.12
14	v	507	CLA	C2A-C1A-CHA	2.70	128.58	123.86
14	6	511	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
17	V	4020	BCR	C16-C15-C14	-2.70	117.95	123.47
14	d	516	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
17	3	522	BCR	C33-C5-C6	-2.70	121.50	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	2	513	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	Y	505	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	Z	507	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	d	517	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	f	1238	CLA	C1B-CHB-C4A	-2.70	124.78	130.12
14	q	501	CLA	O2D-CGD-O1D	-2.70	118.57	123.84
14	3	513	CLA	O2D-CGD-O1D	-2.70	118.57	123.84
14	1	504	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	2	505	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	Z	507	CLA	C2A-C1A-CHA	2.70	128.57	123.86
14	K	1103	CLA	CHB-C4A-NA	2.70	128.24	124.51
14	b	501	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
14	c	502	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
21	V	5216	SQD	O5-C5-C4	2.69	114.59	109.69
14	B	1239	CLA	CMC-C2C-C1C	-2.69	120.94	125.04
14	B	1204	CLA	C1B-CHB-C4A	-2.69	124.78	130.12
14	c	510	CLA	CHB-C4A-NA	2.69	128.24	124.51
17	n	4020	BCR	C16-C15-C14	-2.69	117.96	123.47
14	B	1227	CLA	C1B-CHB-C4A	-2.69	124.78	130.12
17	H	4010	BCR	C31-C1-C6	-2.69	105.93	110.30
14	n	1501	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
14	u	506	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
17	6	522	BCR	C38-C26-C25	-2.69	121.50	124.53
14	B	1220	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
14	u	516	CLA	C1B-CHB-C4A	-2.69	124.78	130.12
14	c	513	CLA	CHB-C4A-NA	2.69	128.24	124.51
17	L	4020	BCR	C16-C15-C14	-2.69	117.96	123.47
17	1	523	BCR	C23-C22-C21	-2.69	114.81	118.94
14	u	513	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
17	3	522	BCR	C16-C17-C18	-2.69	123.47	127.31
14	B	1224	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
14	5	505	CLA	CHB-C4A-NA	2.69	128.23	124.51
14	q	511	CLA	CHB-C4A-NA	2.69	128.23	124.51
14	c	512	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
21	n	5216	SQD	O48-C23-O10	-2.69	116.81	123.59
14	H	1224	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
17	f	4017	BCR	C15-C16-C17	-2.69	117.97	123.47
14	s	513	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
14	V	1502	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
21	L	5216	SQD	O5-C5-C4	2.69	114.58	109.69
14	f	1220	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
14	H	1204	CLA	C1B-CHB-C4A	-2.69	124.79	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1128	CLA	C7-C6-C5	-2.69	106.06	113.36
14	A	1011	CLA	C2A-C1A-CHA	2.69	128.56	123.86
14	L	1501	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
14	Z	511	CLA	CHB-C4A-NA	2.69	128.23	124.51
14	L	1502	CLA	C1B-CHB-C4A	-2.69	124.80	130.12
17	c	521	BCR	C23-C24-C25	-2.69	119.66	127.20
14	n	1502	CLA	C1B-CHB-C4A	-2.69	124.80	130.12
21	a	822	SQD	O8-S-C6	2.69	110.02	105.74
17	Y	522	BCR	C38-C26-C27	2.69	118.78	113.62
14	3	506	CLA	O2D-CGD-O1D	-2.69	118.59	123.84
14	H	1220	CLA	O2D-CGD-O1D	-2.69	118.59	123.84
14	2	506	CLA	CHB-C4A-NA	2.69	128.22	124.51
17	f	4014	BCR	C2-C1-C6	2.68	114.61	110.48
14	U	1105	CLA	CAC-C3C-C2C	2.68	132.12	127.53
14	s	511	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	c	513	CLA	C1B-CHB-C4A	-2.68	124.80	130.12
14	1	505	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	4	516	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	H	1227	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	V	1501	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	m	1105	CLA	CAC-C3C-C2C	2.68	132.12	127.53
14	2	507	CLA	C2A-C1A-CHA	2.68	128.55	123.86
17	5	521	BCR	C23-C24-C25	-2.68	119.67	127.20
17	G	4011	BCR	C38-C26-C25	-2.68	121.52	124.53
14	2	511	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	c	506	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	3	508	CLA	C1B-CHB-C4A	-2.68	124.80	130.12
17	V	4020	BCR	C36-C18-C19	2.68	122.30	118.08
14	v	516	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	d	511	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	e	1124	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
14	A	1106	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	q	510	CLA	CHB-C4A-NA	2.68	128.22	124.51
17	A	4011	BCR	C38-C26-C25	-2.68	121.52	124.53
21	n	5216	SQD	O5-C5-C4	2.68	114.56	109.69
14	e	1124	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
17	q	522	BCR	C38-C26-C27	2.68	118.77	113.62
17	s	522	BCR	C16-C17-C18	-2.68	123.48	127.31
14	G	1119	CLA	CMC-C2C-C1C	-2.68	120.96	125.04
14	v	519	CLA	CMB-C2B-C3B	2.68	129.69	124.68
21	s	822	SQD	O8-S-C6	2.68	110.01	105.74
17	6	523	BCR	C20-C21-C22	-2.68	123.48	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	u	516	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
14	B	1230	CLA	CAA-C2A-C3A	-2.68	105.44	112.78
14	r	508	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	d	507	CLA	C2A-C1A-CHA	2.68	128.54	123.86
14	q	517	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	r	511	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	A	1130	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
17	q	522	BCR	C11-C12-C13	-2.68	118.89	126.42
14	2	508	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	d	508	CLA	CHB-C4A-NA	2.68	128.22	124.51
14	f	1239	CLA	CMC-C2C-C1C	-2.68	120.96	125.04
14	f	1230	CLA	CAA-C2A-C3A	-2.68	105.44	112.78
21	V	5216	SQD	O48-C23-O10	-2.68	116.83	123.59
14	3	506	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
17	Y	522	BCR	C11-C12-C13	-2.68	118.89	126.42
14	5	506	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
14	A	1124	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
14	A	1128	CLA	C7-C6-C5	-2.68	106.09	113.36
14	H	1239	CLA	CMB-C2B-C1B	-2.68	124.35	128.46
14	A	1112	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
14	G	1124	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
17	v	523	BCR	C20-C21-C22	-2.68	123.49	127.31
14	Z	508	CLA	CHB-C4A-NA	2.68	128.21	124.51
17	H	4017	BCR	C15-C16-C17	-2.68	117.99	123.47
14	5	516	CLA	O2D-CGD-O1D	-2.68	118.61	123.84
14	G	1130	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
14	5	513	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
14	Z	507	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
14	B	1205	CLA	CHB-C4A-NA	2.67	128.21	124.51
14	H	1230	CLA	CAA-C2A-C3A	-2.67	105.45	112.78
21	L	5216	SQD	O48-C23-O10	-2.67	116.84	123.59
17	1	522	BCR	C11-C12-C13	-2.67	118.90	126.42
17	v	522	BCR	C16-C17-C18	-2.67	123.49	127.31
17	4	524	BCR	C24-C23-C22	-2.67	122.19	126.23
14	5	507	CLA	C2A-C1A-CHA	2.67	128.53	123.86
17	1	522	BCR	C38-C26-C27	2.67	118.75	113.62
14	s	508	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
14	u	508	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
14	c	507	CLA	C2A-C1A-CHA	2.67	128.53	123.86
17	b	524	BCR	C24-C23-C22	-2.67	122.20	126.23
17	5	522	BCR	C33-C5-C6	-2.67	121.53	124.53
17	n	4020	BCR	C38-C26-C25	2.67	127.53	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	6	519	CLA	CMB-C2B-C3B	2.67	129.68	124.68
14	m	1103	CLA	CHB-C4A-NA	2.67	128.21	124.51
14	2	507	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	5	502	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
14	a	506	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
14	3	518	CLA	CHB-C4A-NA	2.67	128.21	124.51
14	H	1235	CLA	CHB-C4A-NA	2.67	128.21	124.51
14	a	506	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	A	1136	CLA	O2A-CGA-O1A	-2.67	116.85	123.59
22	p	170	FMN	C4A-C4-N3	2.67	119.97	113.19
14	r	507	CLA	C2A-C1A-CHA	2.67	128.53	123.86
14	e	1140	CLA	CHB-C4A-NA	2.67	128.20	124.51
17	B	4017	BCR	C15-C16-C17	-2.67	118.00	123.47
17	f	4010	BCR	C31-C1-C6	-2.67	105.97	110.30
14	K	1105	CLA	CAC-C3C-C2C	2.67	132.09	127.53
14	e	1136	CLA	O2A-CGA-O1A	-2.67	116.86	123.59
17	u	521	BCR	C23-C24-C25	-2.67	119.71	127.20
14	G	1124	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
14	e	1011	CLA	C2A-C1A-CHA	2.67	128.53	123.86
14	r	507	CLA	CHB-C4A-NA	2.67	128.20	124.51
14	u	513	CLA	CHB-C4A-NA	2.67	128.20	124.51
14	s	506	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	Z	513	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
14	v	504	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
17	5	522	BCR	C15-C16-C17	-2.67	118.01	123.47
14	A	1124	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	f	1227	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
17	a	523	BCR	C28-C27-C26	-2.67	109.31	114.08
14	B	1227	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
17	a	522	BCR	C33-C5-C6	-2.67	121.53	124.53
14	f	1205	CLA	CHB-C4A-NA	2.67	128.20	124.51
17	3	523	BCR	C28-C27-C26	-2.67	109.31	114.08
17	u	522	BCR	C15-C16-C17	-2.67	118.01	123.47
17	L	4020	BCR	C36-C18-C19	2.67	122.28	118.08
14	r	517	CLA	CHB-C4A-NA	2.67	128.20	124.51
22	X	170	FMN	C4A-C4-N3	2.67	119.96	113.19
14	5	508	CLA	C1B-CHB-C4A	-2.67	124.84	130.12
14	e	1237	CLA	C11-C12-C13	-2.67	107.30	115.92
14	3	508	CLA	CHB-C4A-NA	2.67	128.20	124.51
17	c	522	BCR	C15-C16-C17	-2.67	118.01	123.47
14	G	1136	CLA	O2A-CGA-O1A	-2.67	116.87	123.59
14	5	506	CLA	CHB-C4A-NA	2.66	128.20	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	518	CLA	CHB-C4A-NA	2.66	128.20	124.51
14	e	1128	CLA	C7-C6-C5	-2.66	106.12	113.36
14	e	1131	CLA	C1-C2-C3	-2.66	121.44	126.04
14	e	1106	CLA	CHB-C4A-NA	2.66	128.20	124.51
17	B	4014	BCR	C2-C1-C6	2.66	114.58	110.48
17	v	522	BCR	C38-C26-C27	2.66	118.73	113.62
14	b	516	CLA	CHB-C4A-NA	2.66	128.19	124.51
17	B	4010	BCR	C31-C1-C6	-2.66	105.98	110.30
14	Z	512	CLA	CMB-C2B-C3B	2.66	129.66	124.68
14	r	512	CLA	CMB-C2B-C3B	2.66	129.66	124.68
17	f	4005	BCR	C28-C27-C26	-2.66	109.32	114.08
14	A	1011	CLA	C4D-C3D-CAD	-2.66	104.96	108.10
14	Y	505	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
14	e	1112	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
14	H	1238	CLA	O2D-CGD-O1D	-2.66	118.63	123.84
14	s	508	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	6	516	CLA	O2D-CGD-O1D	-2.66	118.63	123.84
14	u	506	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	q	510	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
22	P	170	FMN	C4A-C4-N3	2.66	119.95	113.19
17	3	524	BCR	C23-C24-C25	-2.66	119.73	127.20
14	1	517	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	4	511	CLA	CHB-C4A-NA	2.66	128.19	124.51
17	a	524	BCR	C23-C24-C25	-2.66	119.73	127.20
14	1	505	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
14	H	1232	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
17	r	523	BCR	C11-C10-C9	-2.66	123.52	127.31
17	e	4011	BCR	C38-C26-C25	-2.66	121.54	124.53
14	B	1225	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	5	513	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	u	507	CLA	C2A-C1A-CHA	2.66	128.51	123.86
17	n	4020	BCR	C36-C18-C19	2.66	122.27	118.08
14	u	505	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	B	1220	CLA	CMB-C2B-C3B	2.66	129.65	124.68
14	1	510	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
14	a	508	CLA	CHB-C4A-NA	2.66	128.19	124.51
14	2	508	CLA	C1B-CHB-C4A	-2.66	124.86	130.12
14	q	505	CLA	C1B-CHB-C4A	-2.66	124.86	130.12
14	G	1237	CLA	C11-C12-C13	-2.66	107.33	115.92
17	u	522	BCR	C33-C5-C6	-2.66	121.55	124.53
17	s	524	BCR	C23-C24-C25	-2.66	119.74	127.20
14	d	519	CLA	CMB-C2B-C3B	2.66	129.65	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	r	507	CLA	C1B-CHB-C4A	-2.66	124.86	130.12
14	d	518	CLA	CHB-C4A-NA	2.66	128.18	124.51
14	2	513	CLA	O2D-CGD-O1D	-2.66	118.65	123.84
14	f	1225	CLA	CHB-C4A-NA	2.65	128.18	124.51
17	R	4016	BCR	C33-C5-C6	-2.65	121.55	124.53
14	A	1237	CLA	C11-C12-C13	-2.65	107.34	115.92
17	d	523	BCR	C20-C21-C22	-2.65	123.52	127.31
17	Y	522	BCR	C23-C24-C25	-2.65	119.75	127.20
14	5	516	CLA	CHB-C4A-NA	2.65	128.18	124.51
14	c	506	CLA	CHB-C4A-NA	2.65	128.18	124.51
14	c	516	CLA	CHB-C4A-NA	2.65	128.18	124.51
17	1	522	BCR	C23-C24-C25	-2.65	119.75	127.20
14	A	1119	CLA	CMC-C2C-C1C	-2.65	121.00	125.04
14	A	1131	CLA	C1-C2-C3	-2.65	121.45	126.04
14	G	1011	CLA	C2A-C1A-CHA	2.65	128.50	123.86
17	B	4005	BCR	C28-C27-C26	-2.65	109.34	114.08
14	c	508	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
14	f	1220	CLA	CMB-C2B-C3B	2.65	129.64	124.68
14	u	502	CLA	O2D-CGD-O1D	-2.65	118.65	123.84
14	4	504	CLA	CHB-C4A-NA	2.65	128.18	124.51
14	e	1125	CLA	CHB-C4A-NA	2.65	128.18	124.51
17	H	4005	BCR	C28-C27-C26	-2.65	109.34	114.08
17	l	4015	BCR	C38-C26-C25	-2.65	121.55	124.53
14	r	508	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
17	q	522	BCR	C23-C24-C25	-2.65	119.76	127.20
17	q	523	BCR	C23-C22-C21	-2.65	114.87	118.94
14	e	1130	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
17	t	521	BCR	C33-C5-C6	-2.65	121.55	124.53
14	2	512	CLA	CMB-C2B-C3B	2.65	129.64	124.68
17	B	4010	BCR	C11-C12-C13	-2.65	118.97	126.42
14	Z	508	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
17	L	4020	BCR	C38-C26-C25	2.65	127.50	124.53
14	f	1232	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
17	H	4014	BCR	C2-C1-C6	2.65	114.56	110.48
14	q	505	CLA	CHB-C4A-NA	2.65	128.18	124.51
17	H	4010	BCR	C11-C12-C13	-2.65	118.98	126.42
14	t	505	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	H	1205	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	6	504	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
14	f	1232	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
17	s	523	BCR	C28-C27-C26	-2.65	109.35	114.08
14	d	505	CLA	CHB-C4A-NA	2.65	128.17	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	u	516	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	4	505	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	r	505	CLA	CHB-C4A-NA	2.65	128.17	124.51
14	Z	506	CLA	CHB-C4A-NA	2.65	128.17	124.51
17	J	4015	BCR	C38-C26-C25	-2.64	121.56	124.53
17	j	4016	BCR	C33-C5-C6	-2.64	121.56	124.53
14	v	505	CLA	C1B-CHB-C4A	-2.64	124.88	130.12
17	t	524	BCR	C24-C23-C22	-2.64	122.24	126.23
14	H	1231	CLA	CHB-C4A-NA	2.64	128.17	124.51
14	6	503	CLA	O2D-CGD-O1D	-2.64	118.67	123.84
17	Z	522	BCR	C20-C21-C22	-2.64	123.54	127.31
14	c	516	CLA	O2D-CGD-O1D	-2.64	118.67	123.84
21	Z	822	SQD	O8-S-C6	2.64	109.95	105.74
14	6	505	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	B	1221	CLA	O2D-CGD-CBD	2.64	115.96	111.27
14	e	1119	CLA	CMC-C2C-C1C	-2.64	121.02	125.04
14	5	518	CLA	CMB-C2B-C3B	2.64	129.62	124.68
14	A	1125	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	H	1220	CLA	CMB-C2B-C3B	2.64	129.62	124.68
14	6	518	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	s	505	CLA	CHB-C4A-NA	2.64	128.16	124.51
17	V	4020	BCR	C38-C26-C25	2.64	127.49	124.53
17	H	4014	BCR	C24-C23-C22	-2.64	122.25	126.23
14	2	517	CLA	CHB-C4A-NA	2.64	128.16	124.51
14	t	511	CLA	CHB-C4A-NA	2.64	128.16	124.51
17	2	523	BCR	C11-C10-C9	-2.64	123.54	127.31
14	Y	510	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
14	f	1224	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
14	v	503	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
14	v	518	CLA	CHB-C4A-NA	2.64	128.16	124.51
17	f	4010	BCR	C11-C12-C13	-2.64	119.01	126.42
14	B	1230	CLA	CAA-C2A-C1A	-2.64	103.33	111.97
17	f	4014	BCR	C24-C23-C22	-2.64	122.25	126.23
17	6	522	BCR	C38-C26-C27	2.64	118.68	113.62
14	2	510	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
14	B	1232	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
14	G	1131	CLA	C1-C2-C3	-2.64	121.48	126.04
14	s	518	CLA	CHB-C4A-NA	2.64	128.16	124.51
17	c	522	BCR	C33-C5-C6	-2.64	121.57	124.53
14	c	518	CLA	CMB-C2B-C3B	2.63	129.61	124.68
14	A	1135	CLA	CHB-C4A-NA	2.63	128.16	124.51
14	B	1231	CLA	CHB-C4A-NA	2.63	128.16	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	505	CLA	CHB-C4A-NA	2.63	128.16	124.51
14	6	505	CLA	C1B-CHB-C4A	-2.63	124.90	130.12
14	2	506	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
17	Z	523	BCR	C11-C10-C9	-2.63	123.55	127.31
14	H	1225	CLA	CHB-C4A-NA	2.63	128.15	124.51
21	2	822	SQD	O8-S-C6	2.63	109.94	105.74
14	r	506	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
17	H	4014	BCR	C34-C9-C8	2.63	122.22	118.08
14	f	1221	CLA	O2D-CGD-CBD	2.63	115.95	111.27
14	f	1229	CLA	C6-C7-C8	-2.63	107.41	115.92
14	5	507	CLA	C1B-CHB-C4A	-2.63	124.90	130.12
17	6	522	BCR	C16-C17-C18	-2.63	123.55	127.31
14	H	1229	CLA	C6-C7-C8	-2.63	107.41	115.92
14	B	1224	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
14	B	1232	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
17	e	4008	BCR	C7-C8-C9	-2.63	122.26	126.23
14	4	517	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
14	t	517	CLA	O2D-CGD-O1D	-2.63	118.69	123.84
17	B	4014	BCR	C24-C23-C22	-2.63	122.26	126.23
17	F	4016	BCR	C33-C5-C6	-2.63	121.58	124.53
14	B	1238	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	u	501	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	G	1135	CLA	CHB-C4A-NA	2.63	128.15	124.51
14	Z	517	CLA	CHB-C4A-NA	2.63	128.15	124.51
14	f	1205	CLA	O2D-CGD-CBD	2.63	115.94	111.27
14	f	1201	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
14	b	517	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
17	b	521	BCR	C33-C5-C6	-2.63	121.58	124.53
14	u	507	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
14	f	1230	CLA	CAA-C2A-C1A	-2.63	103.36	111.97
14	d	505	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
14	v	505	CLA	CHB-C4A-NA	2.63	128.15	124.51
14	r	513	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	6	505	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	d	504	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	G	1125	CLA	CHB-C4A-NA	2.63	128.14	124.51
14	f	1231	CLA	CHB-C4A-NA	2.63	128.14	124.51
14	e	1117	CLA	C1-C2-C3	-2.63	121.50	126.04
14	B	1201	CLA	C1B-CHB-C4A	-2.63	124.92	130.12
14	G	1011	CLA	C4D-C3D-CAD	-2.63	105.00	108.10
14	H	1232	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	s	508	CLA	O2D-CGD-O1D	-2.63	118.70	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	t	504	CLA	CHB-C4A-NA	2.63	128.14	124.51
14	q	519	CLA	C1B-CHB-C4A	-2.63	124.92	130.12
14	H	1225	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
14	H	1221	CLA	O2D-CGD-CBD	2.63	115.93	111.27
17	d	522	BCR	C38-C26-C27	2.63	118.66	113.62
17	A	4008	BCR	C7-C8-C9	-2.62	122.27	126.23
14	B	1229	CLA	C6-C7-C8	-2.62	107.44	115.92
14	d	505	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
14	v	505	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
14	A	1117	CLA	C1-C2-C3	-2.62	121.51	126.04
14	e	1011	CLA	C4D-C3D-CAD	-2.62	105.01	108.10
14	u	518	CLA	CMB-C2B-C3B	2.62	129.58	124.68
14	Z	510	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
14	l	519	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
14	A	1111	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
14	H	1203	CLA	C1-C2-C3	-2.62	121.51	126.04
14	d	503	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	3	505	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	r	510	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	H	1230	CLA	CAA-C2A-C1A	-2.62	103.39	111.97
17	4	521	BCR	C33-C5-C6	-2.62	121.59	124.53
14	6	513	CLA	CMB-C2B-C3B	2.62	129.58	124.68
14	Z	506	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	c	501	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	d	513	CLA	CMB-C2B-C3B	2.62	129.58	124.68
14	u	518	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	5	512	CLA	CAA-C2A-C3A	-2.62	105.61	112.78
14	G	1117	CLA	C1-C2-C3	-2.62	121.52	126.04
14	a	508	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	s	501	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	3	508	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
14	A	1104	CLA	O2A-CGA-O1A	-2.62	116.99	123.59
17	2	522	BCR	C20-C21-C22	-2.62	123.58	127.31
17	e	4007	BCR	C38-C26-C27	2.62	118.64	113.62
14	e	1135	CLA	CHB-C4A-NA	2.61	128.13	124.51
14	f	1238	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	e	1104	CLA	O2A-CGA-O1A	-2.61	116.99	123.59
21	r	822	SQD	O8-S-C6	2.61	109.91	105.74
14	Y	511	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	q	513	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	B	1205	CLA	O2D-CGD-CBD	2.61	115.91	111.27
14	l	511	CLA	O2D-CGD-O1D	-2.61	118.73	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1225	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	b	504	CLA	CHB-C4A-NA	2.61	128.13	124.51
14	s	517	CLA	CHB-C4A-NA	2.61	128.13	124.51
17	Z	523	BCR	C24-C23-C22	-2.61	122.29	126.23
14	c	507	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
14	H	1230	CLA	CMB-C2B-C1B	-2.61	124.45	128.46
14	a	505	CLA	CHB-C4A-NA	2.61	128.12	124.51
14	Y	519	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
17	A	4007	BCR	C38-C26-C27	2.61	118.63	113.62
14	5	501	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	a	519	CLA	CMB-C2B-C3B	2.61	129.56	124.68
14	r	506	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
14	a	501	CLA	CHB-C4A-NA	2.61	128.12	124.51
14	a	517	CLA	CHB-C4A-NA	2.61	128.12	124.51
14	G	1104	CLA	O2A-CGA-O1A	-2.61	117.00	123.59
14	3	518	CLA	O2A-CGA-O1A	-2.61	117.00	123.59
14	v	510	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	a	518	CLA	O2A-CGA-O1A	-2.61	117.00	123.59
14	B	1230	CLA	CMB-C2B-C1B	-2.61	124.45	128.46
17	d	522	BCR	C16-C17-C18	-2.61	123.59	127.31
17	B	4014	BCR	C34-C9-C8	2.61	122.19	118.08
17	G	4007	BCR	C38-C26-C27	2.61	118.63	113.62
14	H	1201	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
14	c	512	CLA	CAA-C2A-C3A	-2.61	105.64	112.78
14	u	512	CLA	CAA-C2A-C3A	-2.61	105.64	112.78
17	o	4021	BCR	C33-C5-C6	-2.61	121.60	124.53
17	r	522	BCR	C20-C21-C22	-2.61	123.59	127.31
14	B	1225	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
14	Z	502	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
14	f	1230	CLA	CMB-C2B-C1B	-2.61	124.46	128.46
14	f	1229	CLA	C1B-CHB-C4A	-2.61	124.96	130.12
14	l	513	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
14	e	1116	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
14	r	502	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
17	G	4008	BCR	C7-C8-C9	-2.60	122.30	126.23
14	a	506	CLA	CHB-C4A-NA	2.60	128.11	124.51
17	u	523	BCR	C33-C5-C6	-2.60	121.60	124.53
14	H	1229	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
14	v	519	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
17	f	4014	BCR	C34-C9-C8	2.60	122.18	118.08
14	G	1111	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
14	3	506	CLA	CHB-C4A-NA	2.60	128.11	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1203	CLA	C1-C2-C3	-2.60	121.54	126.04
14	2	502	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
17	s	521	BCR	C33-C5-C6	-2.60	121.61	124.53
14	H	1224	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
14	c	518	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
14	Y	506	CLA	C1B-CHB-C4A	-2.60	124.96	130.12
14	5	518	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
14	a	505	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
17	T	4015	BCR	C38-C26-C25	-2.60	121.61	124.53
19	f	1843	LMU	C1B-O1B-C4'	-2.60	111.53	117.96
14	3	517	CLA	CHB-C4A-NA	2.60	128.11	124.51
14	H	1231	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
14	s	505	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
17	2	523	BCR	C24-C23-C22	-2.60	122.31	126.23
17	3	521	BCR	C33-C5-C6	-2.60	121.61	124.53
17	a	521	BCR	C33-C5-C6	-2.60	121.61	124.53
14	s	518	CLA	O2A-CGA-O1A	-2.60	117.03	123.59
17	H	4006	BCR	C39-C30-C25	-2.60	106.08	110.30
17	5	523	BCR	C33-C5-C6	-2.60	121.61	124.53
14	u	518	CLA	CHB-C4A-NA	2.60	128.10	124.51
14	3	505	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
14	e	1111	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
14	3	519	CLA	CMB-C2B-C3B	2.60	129.53	124.68
14	s	519	CLA	CMB-C2B-C3B	2.60	129.53	124.68
14	v	513	CLA	CMB-C2B-C3B	2.60	129.53	124.68
14	2	506	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
14	f	1205	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
17	3	524	BCR	C37-C22-C23	2.59	122.17	118.08
19	B	1843	LMU	C1B-O1B-C4'	-2.59	111.54	117.96
14	1	506	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
14	f	1231	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
14	H	1203	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
14	s	517	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
14	Y	513	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
17	a	521	BCR	C20-C19-C18	-2.59	119.13	126.42
14	H	1240	CLA	CHB-C4A-NA	2.59	128.10	124.51
14	B	1229	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
17	a	522	BCR	C20-C21-C22	-2.59	123.61	127.31
17	f	4014	BCR	C8-C7-C6	-2.59	119.92	127.20
17	3	521	BCR	C20-C19-C18	-2.59	119.14	126.42
14	e	1122	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
14	3	501	CLA	CHB-C4A-NA	2.59	128.09	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	507	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
14	G	1022	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
14	B	1231	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
14	B	1240	CLA	CHB-C4A-NA	2.59	128.09	124.51
17	3	522	BCR	C20-C21-C22	-2.59	123.61	127.31
14	B	1205	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
14	6	510	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
14	Z	512	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
17	5	522	BCR	C1-C6-C5	-2.59	118.97	122.61
14	r	510	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	A	1116	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
14	Y	507	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
14	H	1205	CLA	O2D-CGD-CBD	2.59	115.87	111.27
14	q	511	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
14	v	516	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	d	519	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
17	a	523	BCR	C33-C5-C4	2.59	118.58	113.62
14	c	518	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	6	519	CLA	C1B-CHB-C4A	-2.59	125.00	130.12
14	A	1022	CLA	O2D-CGD-O1D	-2.58	118.78	123.84
14	e	1237	CLA	C6-C5-C3	2.58	120.23	113.45
14	H	1218	CLA	CHB-C4A-NA	2.58	128.09	124.51
14	f	1240	CLA	CHB-C4A-NA	2.58	128.09	124.51
14	q	516	CLA	CHB-C4A-NA	2.58	128.09	124.51
19	H	1843	LMU	C1B-O1B-C4'	-2.58	111.57	117.96
14	d	510	CLA	O2D-CGD-O1D	-2.58	118.78	123.84
17	B	4017	BCR	C33-C5-C6	-2.58	121.63	124.53
14	A	1134	CLA	CMB-C2B-C3B	2.58	129.51	124.68
14	H	1218	CLA	CMB-C2B-C3B	2.58	129.51	124.68
14	a	513	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
17	U	4104	BCR	C30-C25-C26	-2.58	118.97	122.61
14	A	1237	CLA	C6-C5-C3	2.58	120.23	113.45
14	Z	505	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
17	s	522	BCR	C20-C21-C22	-2.58	123.62	127.31
17	r	522	BCR	C38-C26-C25	-2.58	121.63	124.53
14	s	506	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	3	517	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
14	e	1134	CLA	CMB-C2B-C3B	2.58	129.51	124.68
17	d	523	BCR	C10-C11-C12	-2.58	115.16	123.22
14	5	518	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	G	1134	CLA	CMB-C2B-C3B	2.58	129.51	124.68
17	3	523	BCR	C33-C5-C4	2.58	118.58	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	s	523	BCR	C33-C5-C4	2.58	118.58	113.62
14	f	1203	CLA	C1-C2-C3	-2.58	121.58	126.04
17	G	4003	BCR	C11-C10-C9	-2.58	123.63	127.31
17	s	524	BCR	C37-C22-C23	2.58	122.14	118.08
14	s	507	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
14	A	1127	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	Y	516	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	G	1237	CLA	C6-C5-C3	2.58	120.22	113.45
14	H	1205	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
17	6	522	BCR	C11-C12-C13	-2.58	119.17	126.42
14	e	1022	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
19	J	5105	LMU	C1'-C2'-C3'	2.58	115.37	110.00
17	B	4006	BCR	C39-C30-C25	-2.58	106.11	110.30
18	n	5221	LHG	C11-C10-C9	-2.58	101.33	114.42
14	A	1103	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
14	H	1239	CLA	C11-C10-C8	-2.58	107.58	115.92
17	d	524	BCR	C21-C20-C19	-2.58	115.17	123.22
17	u	522	BCR	C1-C6-C5	-2.58	118.98	122.61
14	l	507	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
14	Z	506	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
19	T	5105	LMU	C1'-C2'-C3'	2.58	115.36	110.00
14	e	1103	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
18	e	5002	LHG	C11-C10-C9	-2.58	101.34	114.42
17	3	522	BCR	C38-C26-C27	2.58	118.57	113.62
17	2	522	BCR	C11-C12-C13	-2.58	119.18	126.42
14	e	1119	CLA	CHC-C1C-NC	2.58	128.11	124.20
18	L	5221	LHG	C11-C10-C9	-2.58	101.34	114.42
17	r	523	BCR	C24-C23-C22	-2.58	122.34	126.23
14	f	1228	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
14	r	512	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
17	s	522	BCR	C38-C26-C27	2.58	118.56	113.62
14	B	1239	CLA	C11-C10-C8	-2.58	107.59	115.92
17	B	4014	BCR	C8-C7-C6	-2.58	119.97	127.20
19	l	5105	LMU	C1'-C2'-C3'	2.58	115.36	110.00
14	d	516	CLA	CHB-C4A-NA	2.58	128.07	124.51
17	Z	522	BCR	C11-C12-C13	-2.58	119.18	126.42
18	V	5221	LHG	C11-C10-C9	-2.58	101.35	114.42
17	s	521	BCR	C29-C30-C25	2.58	114.45	110.48
14	q	506	CLA	C1B-CHB-C4A	-2.58	125.02	130.12
14	6	516	CLA	CHB-C4A-NA	2.58	128.07	124.51
17	t	524	BCR	C8-C7-C6	-2.57	119.97	127.20
14	B	1203	CLA	C1B-CHB-C4A	-2.57	125.02	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1131	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	f	1239	CLA	C11-C10-C8	-2.57	107.60	115.92
14	1	518	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
14	4	512	CLA	CMB-C2B-C3B	2.57	129.49	124.68
17	d	522	BCR	C11-C12-C13	-2.57	119.19	126.42
17	q	524	BCR	C1-C6-C5	-2.57	118.99	122.61
14	2	510	CLA	CHB-C4A-NA	2.57	128.07	124.51
17	v	523	BCR	C33-C5-C6	-2.57	121.64	124.53
14	3	507	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
14	H	1228	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
14	t	512	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	e	1127	CLA	CHB-C4A-NA	2.57	128.07	124.51
14	f	1218	CLA	CHB-C4A-NA	2.57	128.07	124.51
17	6	523	BCR	C10-C11-C12	-2.57	115.19	123.22
17	c	523	BCR	C33-C5-C6	-2.57	121.64	124.53
17	s	521	BCR	C20-C19-C18	-2.57	119.19	126.42
14	3	513	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
14	6	508	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
17	1	524	BCR	C1-C6-C5	-2.57	118.99	122.61
14	5	517	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
14	e	1131	CLA	CMB-C2B-C3B	2.57	129.49	124.68
17	6	524	BCR	C21-C20-C19	-2.57	115.19	123.22
17	F	4016	BCR	C21-C20-C19	-2.57	115.20	123.22
17	v	523	BCR	C10-C11-C12	-2.57	115.20	123.22
14	Y	518	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
14	e	1022	CLA	C2D-C1D-ND	-2.57	108.21	110.10
14	A	1122	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
14	a	517	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
14	H	1207	CLA	CHB-C4A-NA	2.57	128.06	124.51
14	B	1218	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	2	512	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
17	r	522	BCR	C11-C12-C13	-2.57	119.20	126.42
17	v	522	BCR	C11-C12-C13	-2.57	119.20	126.42
14	f	1203	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
17	R	4016	BCR	C21-C20-C19	-2.57	115.20	123.22
17	M	4021	BCR	C33-C5-C6	-2.57	121.64	124.53
17	H	4017	BCR	C33-C5-C6	-2.57	121.64	124.53
17	e	4003	BCR	C11-C10-C9	-2.57	123.64	127.31
14	f	1204	CLA	CHB-C4A-NA	2.57	128.06	124.51
17	j	4016	BCR	C21-C20-C19	-2.57	115.20	123.22
14	q	518	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
14	u	517	CLA	C1B-CHB-C4A	-2.57	125.03	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1224	CLA	CHB-C4A-NA	2.57	128.06	124.51
14	f	1205	CLA	C1-C2-C3	-2.57	121.60	126.04
14	t	518	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
18	A	5002	LHG	C11-C10-C9	-2.57	101.39	114.42
14	s	513	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
14	v	508	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
17	a	524	BCR	C37-C22-C23	2.57	122.12	118.08
14	A	1131	CLA	CMB-C2B-C3B	2.57	129.48	124.68
17	A	4003	BCR	C11-C10-C9	-2.57	123.65	127.31
14	e	1105	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
17	H	4014	BCR	C8-C7-C6	-2.57	120.00	127.20
14	G	1116	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
17	c	522	BCR	C1-C6-C5	-2.56	119.00	122.61
14	B	1228	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
14	c	505	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
17	4	524	BCR	C8-C7-C6	-2.56	120.00	127.20
14	G	1137	CLA	CAA-CBA-CGA	-2.56	105.76	113.25
14	f	1232	CLA	CHB-C4A-NA	2.56	128.06	124.51
17	H	4009	BCR	C29-C30-C25	2.56	114.43	110.48
17	f	4006	BCR	C39-C30-C25	-2.56	106.14	110.30
14	f	1224	CLA	CHB-C4A-NA	2.56	128.06	124.51
14	f	1218	CLA	CMB-C2B-C3B	2.56	129.47	124.68
18	G	5002	LHG	C11-C10-C9	-2.56	101.42	114.42
17	Y	524	BCR	C1-C6-C5	-2.56	119.00	122.61
14	e	1137	CLA	CAA-CBA-CGA	-2.56	105.77	113.25
14	G	1122	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
17	3	521	BCR	C29-C30-C25	2.56	114.42	110.48
14	1	516	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	2	505	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
14	G	1105	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
17	v	524	BCR	C21-C20-C19	-2.56	115.22	123.22
22	X	170	FMN	C4A-C10-N10	2.56	120.22	116.48
14	b	512	CLA	CMB-C2B-C3B	2.56	129.47	124.68
17	m	4104	BCR	C30-C25-C26	-2.56	119.01	122.61
17	2	522	BCR	C38-C26-C25	-2.56	121.65	124.53
17	f	4017	BCR	C33-C5-C6	-2.56	121.65	124.53
17	b	524	BCR	C8-C7-C6	-2.56	120.01	127.20
14	q	507	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
14	A	1137	CLA	CAA-CBA-CGA	-2.56	105.77	113.25
14	b	518	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
17	v	524	BCR	C37-C22-C23	2.56	122.11	118.08
17	H	4014	BCR	C24-C25-C26	2.56	127.66	121.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	F	1302	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
14	G	1123	CLA	C2A-C1A-CHA	2.56	128.34	123.86
14	G	1132	CLA	CHB-C4A-NA	2.56	128.05	124.51
17	f	4009	BCR	C29-C30-C25	2.56	114.42	110.48
22	P	170	FMN	C4A-C10-N10	2.56	120.22	116.48
14	A	1105	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
14	e	1138	CLA	O2D-CGD-CBD	2.56	115.81	111.27
14	G	1103	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
14	H	1236	CLA	C1-C2-C3	-2.56	122.61	126.75
17	K	4104	BCR	C30-C25-C26	-2.56	119.01	122.61
14	4	518	CLA	O2D-CGD-O1D	-2.56	118.84	123.84
14	A	1138	CLA	O2D-CGD-CBD	2.56	115.81	111.27
17	f	4014	BCR	C24-C25-C26	2.56	127.66	121.46
14	G	1124	CLA	C2D-C1D-ND	-2.56	108.22	110.10
14	K	1105	CLA	CMC-C2C-C3C	2.56	133.06	126.12
14	G	1116	CLA	O2D-CGD-O1D	-2.56	118.84	123.84
14	f	1222	CLA	CHB-C4A-NA	2.56	128.05	124.51
17	5	524	BCR	C8-C7-C6	-2.56	120.03	127.20
14	d	508	CLA	C1B-CHB-C4A	-2.56	125.06	130.12
22	p	170	FMN	C4A-C10-N10	2.56	120.22	116.48
17	c	524	BCR	C8-C7-C6	-2.56	120.03	127.20
14	H	1232	CLA	CHB-C4A-NA	2.55	128.04	124.51
17	e	4008	BCR	C34-C9-C8	2.55	122.10	118.08
14	A	1132	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	G	1127	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	A	1123	CLA	C2A-C1A-CHA	2.55	128.32	123.86
17	6	523	BCR	C33-C5-C6	-2.55	121.66	124.53
14	B	1218	CLA	O2D-CGD-O1D	-2.55	118.84	123.84
14	b	512	CLA	O2D-CGD-O1D	-2.55	118.84	123.84
14	d	509	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
14	e	1237	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	c	517	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
14	l	506	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
17	a	521	BCR	C29-C30-C25	2.55	114.41	110.48
14	U	1105	CLA	CMC-C2C-C3C	2.55	133.04	126.12
14	a	518	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
21	V	5216	SQD	O48-C23-C24	2.55	119.91	111.91
14	s	501	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
14	v	510	CLA	CHB-C4A-NA	2.55	128.04	124.51
17	d	523	BCR	C33-C5-C6	-2.55	121.66	124.53
17	u	523	BCR	C21-C20-C19	-2.55	115.26	123.22
14	4	512	CLA	O2D-CGD-O1D	-2.55	118.85	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	W	4021	BCR	C38-C26-C27	2.55	118.51	113.62
14	m	1105	CLA	CMC-C2C-C3C	2.55	133.04	126.12
14	e	1123	CLA	C2A-C1A-CHA	2.55	128.31	123.86
14	Y	516	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
17	a	522	BCR	C38-C26-C27	2.55	118.51	113.62
14	G	1011	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
17	B	4009	BCR	C29-C30-C25	2.55	114.40	110.48
14	B	1207	CLA	CHB-C4A-NA	2.55	128.03	124.51
14	H	1205	CLA	C1-C2-C3	-2.55	121.64	126.04
21	a	822	SQD	C4-C3-C2	2.55	115.27	110.82
14	B	1218	CLA	CHB-C4A-NA	2.55	128.03	124.51
17	6	524	BCR	C37-C22-C23	2.55	122.09	118.08
14	q	516	CLA	C1B-CHB-C4A	-2.55	125.08	130.12
14	e	1124	CLA	C2D-C1D-ND	-2.55	108.23	110.10
14	s	518	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
17	B	4014	BCR	C24-C25-C26	2.55	127.63	121.46
17	W	4021	BCR	C33-C5-C6	-2.55	121.67	124.53
17	5	523	BCR	C21-C20-C19	-2.54	115.28	123.22
14	B	1232	CLA	CHB-C4A-NA	2.54	128.03	124.51
17	B	4009	BCR	C16-C15-C14	-2.54	118.26	123.47
17	u	524	BCR	C8-C7-C6	-2.54	120.06	127.20
21	L	5216	SQD	C45-O47-C7	2.54	124.05	117.79
14	3	518	CLA	O2D-CGD-O1D	-2.54	118.86	123.84
17	o	4021	BCR	C38-C26-C27	2.54	118.50	113.62
17	H	4009	BCR	C16-C15-C14	-2.54	118.26	123.47
14	H	1204	CLA	CHB-C4A-NA	2.54	128.03	124.51
14	A	1119	CLA	CHC-C1C-NC	2.54	128.06	124.20
17	G	4008	BCR	C34-C9-C8	2.54	122.08	118.08
14	t	512	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
14	F	1301	CLA	CHB-C4A-NA	2.54	128.03	124.51
14	Z	510	CLA	CHB-C4A-NA	2.54	128.03	124.51
14	G	1119	CLA	CHC-C1C-NC	2.54	128.06	124.20
14	A	1022	CLA	C2D-C1D-ND	-2.54	108.23	110.10
14	B	1205	CLA	C1-C2-C3	-2.54	121.65	126.04
14	R	1301	CLA	CHB-C4A-NA	2.54	128.03	124.51
14	j	1301	CLA	CHB-C4A-NA	2.54	128.03	124.51
21	3	822	SQD	C4-C3-C2	2.54	115.26	110.82
14	f	1218	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
17	Z	522	BCR	C38-C26-C25	-2.54	121.67	124.53
14	f	1207	CLA	CHB-C4A-NA	2.54	128.03	124.51
21	L	5216	SQD	O48-C23-C24	2.54	119.88	111.91
17	b	522	BCR	C23-C24-C25	-2.54	120.07	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	1116	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
17	L	4022	BCR	C33-C5-C6	-2.54	121.68	124.53
14	e	1113	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
14	Y	506	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
21	n	5216	SQD	C45-O47-C7	2.54	124.04	117.79
14	6	509	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
14	c	519	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
17	L	4022	BCR	C21-C20-C19	-2.54	115.30	123.22
14	B	1204	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	H	1224	CLA	CHB-C4A-NA	2.54	128.02	124.51
21	s	822	SQD	C4-C3-C2	2.54	115.25	110.82
14	B	1234	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
14	5	505	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
17	4	522	BCR	C23-C24-C25	-2.54	120.07	127.20
17	L	4020	BCR	C8-C9-C10	-2.54	115.05	118.94
17	c	523	BCR	C21-C20-C19	-2.54	115.30	123.22
14	B	1222	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	G	1801	CLA	CHB-C4A-NA	2.54	128.02	124.51
17	A	4008	BCR	C34-C9-C8	2.54	122.08	118.08
14	j	1302	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
17	e	4003	BCR	C21-C20-C19	-2.54	115.30	123.22
14	f	1234	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
17	f	4009	BCR	C16-C15-C14	-2.54	118.28	123.47
14	G	1138	CLA	O2D-CGD-CBD	2.54	115.78	111.27
17	G	4008	BCR	C38-C26-C27	2.54	118.49	113.62
17	t	522	BCR	C23-C24-C25	-2.54	120.08	127.20
21	V	5216	SQD	C45-O47-C7	2.54	124.03	117.79
14	H	1218	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
14	c	509	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
17	e	4002	BCR	C23-C24-C25	-2.54	120.08	127.20
17	u	522	BCR	C21-C20-C19	-2.54	115.31	123.22
14	Y	502	CLA	O2D-CGD-O1D	-2.53	118.88	123.84
14	B	1210	CLA	C1-C2-C3	-2.53	121.66	126.04
14	f	1236	CLA	C1-C2-C3	-2.53	122.65	126.75
14	q	502	CLA	O2D-CGD-O1D	-2.53	118.88	123.84
17	c	522	BCR	C21-C20-C19	-2.53	115.31	123.22
17	Y	522	BCR	C20-C21-C22	-2.53	123.69	127.31
14	l	516	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
14	r	505	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
17	2	524	BCR	C37-C22-C23	2.53	122.07	118.08
14	3	501	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
14	G	1022	CLA	C2D-C1D-ND	-2.53	108.24	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1236	CLA	C1-C2-C3	-2.53	122.66	126.75
21	n	5216	SQD	O48-C23-C24	2.53	119.85	111.91
17	Z	524	BCR	C37-C22-C23	2.53	122.07	118.08
17	d	523	BCR	C11-C10-C9	-2.53	123.70	127.31
17	G	4002	BCR	C23-C24-C25	-2.53	120.09	127.20
18	A	5006	LHG	O8-C23-C24	2.53	119.85	111.91
18	G	5001	LHG	O8-C23-C24	2.53	119.85	111.91
14	5	519	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	6	510	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	H	1222	CLA	CHB-C4A-NA	2.53	128.01	124.51
17	5	522	BCR	C21-C20-C19	-2.53	115.32	123.22
14	H	1210	CLA	C1-C2-C3	-2.53	121.67	126.04
17	A	4002	BCR	C23-C24-C25	-2.53	120.10	127.20
14	A	1121	CLA	O2D-CGD-CBD	2.53	115.76	111.27
14	A	1102	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	t	501	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
17	r	522	BCR	C33-C5-C6	-2.53	121.69	124.53
14	l	502	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
14	e	1121	CLA	O2D-CGD-CBD	2.53	115.76	111.27
14	A	1011	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
17	r	522	BCR	C38-C26-C27	2.53	118.47	113.62
17	n	4020	BCR	C8-C9-C10	-2.53	115.06	118.94
17	M	4021	BCR	C38-C26-C27	2.53	118.47	113.62
14	f	1023	CLA	CAA-CBA-CGA	-2.53	105.86	113.25
14	R	1302	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
14	A	1237	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	K	1401	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	e	1132	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	A	1124	CLA	C2D-C1D-ND	-2.53	108.24	110.10
14	H	1234	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	H	1023	CLA	CAA-CBA-CGA	-2.53	105.87	113.25
17	m	4104	BCR	C15-C16-C17	-2.53	118.30	123.47
14	H	1220	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	m	1401	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	G	1134	CLA	O2D-CGD-CBD	2.53	115.76	111.27
17	A	4003	BCR	C21-C20-C19	-2.53	115.33	123.22
14	e	1116	CLA	O2D-CGD-O1D	-2.53	118.90	123.84
17	d	524	BCR	C37-C22-C23	2.53	122.06	118.08
14	A	1140	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	e	1102	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	G	1121	CLA	CMB-C2B-C3B	2.53	129.40	124.68
14	A	1134	CLA	O2D-CGD-CBD	2.53	115.76	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	1113	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
17	n	4022	BCR	C21-C20-C19	-2.53	115.34	123.22
17	B	4006	BCR	C1-C6-C5	-2.53	119.06	122.61
17	q	522	BCR	C20-C21-C22	-2.52	123.71	127.31
14	e	1011	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
17	V	4022	BCR	C21-C20-C19	-2.52	115.34	123.22
14	f	1205	CLA	CMB-C2B-C3B	2.52	129.40	124.68
18	G	5006	LHG	O8-C23-C24	2.52	119.83	111.91
14	G	1105	CLA	O2A-CGA-O1A	-2.52	117.22	123.59
14	4	501	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
18	e	5001	LHG	O8-C23-C24	2.52	119.83	111.91
17	l	522	BCR	C20-C21-C22	-2.52	123.71	127.31
14	q	506	CLA	O2D-CGD-O1D	-2.52	118.91	123.84
14	G	1113	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
14	u	505	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
14	e	1108	CLA	CHB-C4A-NA	2.52	128.00	124.51
20	B	5002	LMG	O1-C1-C2	-2.52	104.36	108.30
14	u	509	CLA	O2D-CGD-O1D	-2.52	118.91	123.84
14	q	512	CLA	O2D-CGD-O1D	-2.52	118.91	123.84
17	H	4006	BCR	C1-C6-C5	-2.52	119.06	122.61
17	e	4008	BCR	C38-C26-C27	2.52	118.46	113.62
14	f	1203	CLA	C11-C12-C13	-2.52	107.77	115.92
20	f	5002	LMG	O1-C1-C2	-2.52	104.37	108.30
14	B	1023	CLA	CAA-CBA-CGA	-2.52	105.89	113.25
14	f	1234	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	V	4022	BCR	C33-C5-C6	-2.52	121.70	124.53
17	T	4015	BCR	C21-C20-C19	-2.52	115.35	123.22
14	G	1140	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
17	n	4022	BCR	C33-C5-C6	-2.52	121.70	124.53
21	v	822	SQD	C45-O47-C7	2.52	122.59	117.90
17	G	4003	BCR	C21-C20-C19	-2.52	115.36	123.22
18	A	5001	LHG	O8-C23-C24	2.52	119.81	111.91
14	5	509	CLA	O2D-CGD-O1D	-2.52	118.92	123.84
17	L	4219	BCR	C39-C30-C25	-2.52	106.22	110.30
14	Y	512	CLA	O2D-CGD-O1D	-2.52	118.92	123.84
21	d	822	SQD	C45-O47-C7	2.52	122.59	117.90
14	e	1134	CLA	O2D-CGD-CBD	2.52	115.74	111.27
14	e	1140	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
14	f	1210	CLA	C1-C2-C3	-2.52	121.69	126.04
17	U	4104	BCR	C15-C16-C17	-2.52	118.32	123.47
17	f	4006	BCR	C1-C6-C5	-2.52	119.07	122.61
14	t	505	CLA	C1B-CHB-C4A	-2.52	125.13	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1205	CLA	CMB-C2B-C3B	2.52	129.38	124.68
14	v	516	CLA	C1B-CHB-C4A	-2.52	125.14	130.12
17	A	4008	BCR	C38-C26-C27	2.51	118.45	113.62
14	B	1210	CLA	CHB-C4A-NA	2.51	127.99	124.51
18	e	5006	LHG	O8-C23-C24	2.51	119.80	111.91
14	q	519	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	e	1105	CLA	O2A-CGA-O1A	-2.51	117.25	123.59
17	V	4020	BCR	C8-C9-C10	-2.51	115.08	118.94
14	l	512	CLA	O2D-CGD-O1D	-2.51	118.92	123.84
14	u	519	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
17	J	4015	BCR	C21-C20-C19	-2.51	115.37	123.22
14	A	1801	CLA	CHB-C4A-NA	2.51	127.99	124.51
21	6	822	SQD	C45-O47-C7	2.51	122.58	117.90
14	A	1105	CLA	O2A-CGA-O1A	-2.51	117.25	123.59
17	2	522	BCR	C38-C26-C27	2.51	118.44	113.62
14	G	1102	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	2	518	CLA	O2D-CGD-O1D	-2.51	118.93	123.84
14	B	1234	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	G	1237	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	d	510	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	G	1121	CLA	O2D-CGD-CBD	2.51	115.73	111.27
17	n	4020	BCR	C28-C27-C26	-2.51	109.59	114.08
17	J	4013	BCR	C32-C1-C6	-2.51	106.22	110.30
14	b	501	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	A	1121	CLA	CMB-C2B-C3B	2.51	129.38	124.68
14	v	509	CLA	O2D-CGD-O1D	-2.51	118.93	123.84
17	Y	523	BCR	C34-C9-C8	2.51	122.03	118.08
17	v	523	BCR	C11-C10-C9	-2.51	123.73	127.31
14	A	1126	CLA	CHB-C4A-NA	2.51	127.98	124.51
18	e	5005	LHG	O8-C23-C24	2.51	119.78	111.91
14	e	1126	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	B	1220	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
14	a	501	CLA	O2D-CGD-O1D	-2.51	118.93	123.84
14	G	1108	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	H	1203	CLA	C11-C12-C13	-2.51	107.81	115.92
14	A	1134	CLA	C2A-C1A-CHA	2.51	128.24	123.86
17	l	523	BCR	C34-C9-C8	2.51	122.03	118.08
17	K	4104	BCR	C15-C16-C17	-2.51	118.34	123.47
14	H	1234	CLA	CHB-C4A-NA	2.51	127.98	124.51
17	B	4014	BCR	C35-C13-C12	2.51	122.03	118.08
14	r	501	CLA	C1B-CHB-C4A	-2.51	125.16	130.12
20	H	5002	LMG	O1-C1-C2	-2.51	104.39	108.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	T	4013	BCR	C32-C1-C6	-2.50	106.24	110.30
14	G	1134	CLA	C2A-C1A-CHA	2.50	128.24	123.86
14	4	505	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
14	f	1220	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
18	A	5005	LHG	O8-C23-C24	2.50	119.77	111.91
14	B	1203	CLA	C11-C12-C13	-2.50	107.83	115.92
14	b	505	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
17	f	4009	BCR	C8-C7-C6	-2.50	120.17	127.20
14	A	1108	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	H	1205	CLA	CMB-C2B-C3B	2.50	129.36	124.68
14	f	1219	CLA	O2A-CGA-O1A	-2.50	117.28	123.59
17	q	523	BCR	C34-C9-C8	2.50	122.02	118.08
17	Z	522	BCR	C38-C26-C27	2.50	118.42	113.62
14	B	1219	CLA	O2A-CGA-O1A	-2.50	117.28	123.59
17	l	4013	BCR	C32-C1-C6	-2.50	106.24	110.30
14	3	519	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	a	503	CLA	O2D-CGD-O1D	-2.50	118.95	123.84
14	H	1219	CLA	O2A-CGA-O1A	-2.50	117.28	123.59
14	2	501	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	B	1206	CLA	O2A-CGA-O1A	-2.50	117.29	123.59
14	e	1121	CLA	CMB-C2B-C3B	2.50	129.35	124.68
17	6	523	BCR	C11-C10-C9	-2.50	123.75	127.31
14	l	519	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	a	519	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	d	516	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	2	505	CLA	O2D-CGD-O1D	-2.50	118.95	123.84
14	e	1134	CLA	C2A-C1A-CHA	2.50	128.23	123.86
18	A	5009	LHG	C11-C10-C9	-2.50	101.75	114.42
17	l	4015	BCR	C21-C20-C19	-2.50	115.42	123.22
17	V	4219	BCR	C39-C30-C25	-2.50	106.25	110.30
17	B	4009	BCR	C8-C7-C6	-2.50	120.19	127.20
17	2	523	BCR	C10-C11-C12	-2.50	115.43	123.22
14	f	1206	CLA	O2A-CGA-O1A	-2.50	117.29	123.59
17	q	524	BCR	C24-C23-C22	-2.49	122.47	126.23
18	G	5009	LHG	C11-C10-C9	-2.49	101.76	114.42
18	e	5009	LHG	C11-C10-C9	-2.49	101.76	114.42
18	G	5005	LHG	O8-C23-C24	2.49	119.74	111.91
17	n	4219	BCR	C39-C30-C25	-2.49	106.25	110.30
17	r	524	BCR	C37-C22-C23	2.49	122.01	118.08
14	6	516	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
14	e	1801	CLA	CHB-C4A-NA	2.49	127.96	124.51
17	2	522	BCR	C33-C5-C6	-2.49	121.73	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	K	1103	CLA	CMB-C2B-C3B	2.49	129.34	124.68
17	Z	523	BCR	C10-C11-C12	-2.49	115.44	123.22
14	d	513	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
17	L	4020	BCR	C28-C27-C26	-2.49	109.63	114.08
17	d	524	BCR	C20-C21-C22	-2.49	123.75	127.31
17	I	4018	BCR	C33-C5-C4	2.49	118.40	113.62
17	f	4006	BCR	C15-C16-C17	-2.49	118.37	123.47
14	G	1126	CLA	CHB-C4A-NA	2.49	127.96	124.51
17	r	523	BCR	C10-C11-C12	-2.49	115.45	123.22
14	3	503	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
14	H	1210	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
14	e	1135	CLA	C2D-C1D-ND	-2.49	108.27	110.10
14	B	1228	CLA	C1-C2-C3	-2.49	121.74	126.04
17	s	521	BCR	C7-C8-C9	-2.49	122.47	126.23
14	s	503	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
14	s	519	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
14	v	513	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
18	e	5003	LHG	C20-C19-C18	-2.49	101.80	114.42
14	U	1401	CLA	CHB-C4A-NA	2.49	127.95	124.51
17	e	4001	BCR	C21-C20-C19	-2.49	115.46	123.22
14	Z	518	CLA	O2D-CGD-O1D	-2.49	118.98	123.84
14	H	1210	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	6	513	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
17	f	4014	BCR	C35-C13-C12	2.49	121.99	118.08
17	H	4009	BCR	C8-C7-C6	-2.49	120.22	127.20
18	G	5003	LHG	C20-C19-C18	-2.49	101.81	114.42
14	3	502	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
14	f	1210	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
14	r	518	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
17	r	524	BCR	C21-C20-C19	-2.48	115.46	123.22
14	B	1210	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
18	A	5003	LHG	C20-C19-C18	-2.48	101.81	114.42
14	l	1303	CLA	O2D-CGD-CBD	2.48	115.68	111.27
17	G	4001	BCR	C21-C20-C19	-2.48	115.47	123.22
17	G	4007	BCR	C10-C11-C12	-2.48	115.47	123.22
14	A	1237	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
17	k	4018	BCR	C33-C5-C4	2.48	118.39	113.62
17	A	4007	BCR	C10-C11-C12	-2.48	115.47	123.22
14	Z	501	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
17	q	524	BCR	C37-C22-C23	2.48	121.99	118.08
14	t	509	CLA	O2A-CGA-O1A	-2.48	117.11	123.30
14	Z	505	CLA	O2D-CGD-O1D	-2.48	118.98	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	r	505	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
17	V	4020	BCR	C28-C27-C26	-2.48	109.64	114.08
14	T	1303	CLA	O2D-CGD-CBD	2.48	115.68	111.27
14	H	1234	CLA	CAC-C3C-C4C	2.48	128.03	124.81
17	A	4001	BCR	C21-C20-C19	-2.48	115.47	123.22
17	S	4018	BCR	C30-C25-C26	-2.48	119.12	122.61
17	r	523	BCR	C33-C5-C6	-2.48	121.74	124.53
14	L	1503	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
14	v	506	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
17	Z	524	BCR	C21-C20-C19	-2.48	115.48	123.22
14	J	1303	CLA	O2D-CGD-CBD	2.48	115.67	111.27
17	v	524	BCR	C20-C21-C22	-2.48	123.77	127.31
17	e	4007	BCR	C10-C11-C12	-2.48	115.48	123.22
17	t	523	BCR	C34-C9-C8	2.48	121.98	118.08
14	H	1214	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
17	2	524	BCR	C21-C20-C19	-2.48	115.48	123.22
14	B	1206	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	e	1237	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	q	517	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	4	509	CLA	O2A-CGA-O1A	-2.48	117.13	123.30
17	S	4018	BCR	C33-C5-C4	2.48	118.37	113.62
17	f	4006	BCR	C33-C5-C4	2.47	118.37	113.62
17	Y	524	BCR	C37-C22-C23	2.47	121.98	118.08
14	G	1237	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
21	f	1852	SQD	O47-C7-C8	2.47	116.83	111.50
17	6	524	BCR	C20-C21-C22	-2.47	123.78	127.31
14	f	1228	CLA	C1-C2-C3	-2.47	121.76	126.04
14	s	502	CLA	O2D-CGD-O1D	-2.47	119.00	123.84
14	U	1103	CLA	CMB-C2B-C3B	2.47	129.31	124.68
17	A	4003	BCR	C24-C23-C22	-2.47	122.50	126.23
18	e	5001	LHG	C11-C10-C9	-2.47	101.87	114.42
14	B	1214	CLA	CMB-C2B-C3B	2.47	129.31	124.68
17	A	4003	BCR	C38-C26-C25	-2.47	121.75	124.53
14	f	1210	CLA	CHB-C4A-NA	2.47	127.93	124.51
17	Y	524	BCR	C24-C23-C22	-2.47	122.50	126.23
17	H	4014	BCR	C35-C13-C12	2.47	121.97	118.08
14	Y	517	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
14	n	1503	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
14	m	1103	CLA	CMB-C2B-C3B	2.47	129.30	124.68
17	B	4006	BCR	C15-C16-C17	-2.47	118.41	123.47
14	s	512	CLA	O2D-CGD-O1D	-2.47	119.01	123.84
17	G	4002	BCR	C10-C11-C12	-2.47	115.51	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	4006	BCR	C33-C5-C4	2.47	118.36	113.62
17	Y	521	BCR	C33-C5-C6	-2.47	121.75	124.53
17	A	4002	BCR	C10-C11-C12	-2.47	115.51	123.22
18	A	5001	LHG	C11-C10-C9	-2.47	101.89	114.42
17	4	523	BCR	C34-C9-C8	2.47	121.97	118.08
17	3	521	BCR	C7-C8-C9	-2.47	122.50	126.23
14	u	517	CLA	CHB-C4A-NA	2.47	127.92	124.51
14	H	1206	CLA	O2A-CGA-O1A	-2.47	117.36	123.59
17	A	4008	BCR	C16-C15-C14	-2.47	118.42	123.47
17	u	521	BCR	C7-C8-C9	-2.47	122.51	126.23
14	A	1107	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	r	517	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
17	G	4008	BCR	C16-C15-C14	-2.47	118.42	123.47
14	f	1206	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	f	1235	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	G	1105	CLA	CHD-C1D-ND	-2.47	122.19	124.45
14	H	1206	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	f	1214	CLA	CMB-C2B-C3B	2.47	129.29	124.68
14	A	1136	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
17	H	4006	BCR	C33-C5-C4	2.46	118.35	113.62
17	Z	522	BCR	C33-C5-C6	-2.46	121.76	124.53
14	b	509	CLA	O2A-CGA-O1A	-2.46	117.16	123.30
18	e	5009	LHG	C27-C26-C25	-2.46	101.92	114.42
17	e	4008	BCR	C16-C15-C14	-2.46	118.43	123.47
14	Y	519	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	H	1228	CLA	C1-C2-C3	-2.46	121.78	126.04
17	c	522	BCR	C11-C12-C13	-2.46	119.50	126.42
14	e	1116	CLA	CHB-C4A-NA	2.46	127.92	124.51
18	e	5001	LHG	O8-C23-O10	-2.46	117.38	123.59
17	I	4018	BCR	C30-C25-C26	-2.46	119.14	122.61
18	G	5001	LHG	C11-C10-C9	-2.46	101.92	114.42
17	5	522	BCR	C11-C12-C13	-2.46	119.50	126.42
18	G	5001	LHG	O8-C23-O10	-2.46	117.38	123.59
14	B	1214	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
14	e	1136	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
17	d	522	BCR	C33-C5-C6	-2.46	121.76	124.53
17	H	4006	BCR	C15-C16-C17	-2.46	118.43	123.47
17	L	4020	BCR	C29-C28-C27	-2.46	105.88	111.38
17	l	524	BCR	C24-C23-C22	-2.46	122.52	126.23
17	a	521	BCR	C7-C8-C9	-2.46	122.52	126.23
14	a	502	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
14	f	1206	CLA	CHB-C4A-NA	2.46	127.92	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	3	512	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
18	A	5009	LHG	C27-C26-C25	-2.46	101.93	114.42
14	A	1127	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
18	G	5009	LHG	C27-C26-C25	-2.46	101.94	114.42
17	Z	523	BCR	C33-C5-C6	-2.46	121.77	124.53
14	B	1206	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	4	506	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	U	1401	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	f	1236	CLA	CMB-C2B-C3B	2.46	129.28	124.68
14	e	1107	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
17	l	521	BCR	C33-C5-C6	-2.46	121.77	124.53
17	e	4003	BCR	C38-C26-C25	-2.46	121.77	124.53
17	q	521	BCR	C33-C5-C6	-2.46	121.77	124.53
14	K	1401	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	B	1236	CLA	CMB-C2B-C3B	2.46	129.28	124.68
17	V	4019	BCR	C16-C15-C14	-2.46	118.44	123.47
14	l	517	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
21	B	1852	SQD	O47-C7-C8	2.46	116.79	111.50
17	u	522	BCR	C11-C12-C13	-2.46	119.52	126.42
14	A	1135	CLA	C2D-C1D-ND	-2.45	108.30	110.10
14	B	1234	CLA	CAC-C3C-C4C	2.45	128.00	124.81
17	e	4002	BCR	C10-C11-C12	-2.45	115.56	123.22
14	H	1236	CLA	CMB-C2B-C3B	2.45	129.27	124.68
14	A	1115	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	G	1107	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	e	1127	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
20	l	5104	LMG	O6-C1-O1	-2.45	104.16	109.97
20	J	5104	LMG	O6-C1-O1	-2.45	104.17	109.97
17	c	521	BCR	C7-C8-C9	-2.45	122.53	126.23
17	u	522	BCR	C33-C5-C4	2.45	118.33	113.62
14	m	1401	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	B	1210	CLA	CBC-CAC-C3C	2.45	119.19	112.43
14	H	1210	CLA	CBC-CAC-C3C	2.45	119.19	112.43
14	f	1210	CLA	CBC-CAC-C3C	2.45	119.19	112.43
17	b	523	BCR	C34-C9-C8	2.45	121.94	118.08
14	H	1214	CLA	CMB-C2B-C3B	2.45	129.26	124.68
17	H	4009	BCR	C15-C16-C17	-2.45	118.45	123.47
17	5	522	BCR	C33-C5-C4	2.45	118.33	113.62
14	6	501	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
17	v	522	BCR	C33-C5-C6	-2.45	121.78	124.53
14	B	1012	CLA	C16-C15-C13	-2.45	108.00	115.92
14	6	506	CLA	C1B-CHB-C4A	-2.45	125.26	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1136	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	r	509	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	t	506	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
21	a	822	SQD	C1-O5-C5	2.45	118.50	113.69
17	5	521	BCR	C7-C8-C9	-2.45	122.53	126.23
14	V	1503	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	f	1214	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
17	A	4001	BCR	C11-C12-C13	-2.45	119.53	126.42
14	B	1235	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	G	1101	CLA	CMB-C2B-C3B	2.45	129.26	124.68
14	v	501	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
17	l	524	BCR	C37-C22-C23	2.45	121.94	118.08
14	f	1234	CLA	CAC-C3C-C4C	2.45	127.99	124.81
17	e	4001	BCR	C11-C12-C13	-2.45	119.54	126.42
14	e	1115	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
18	A	5001	LHG	O8-C23-O10	-2.45	117.42	123.59
21	3	822	SQD	C1-O5-C5	2.45	118.49	113.69
14	r	516	CLA	O2D-CGD-CBD	2.45	115.62	111.27
14	f	1216	CLA	C1-O2A-CGA	2.45	122.86	116.44
14	a	510	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	H	1206	CLA	CHB-C4A-NA	2.45	127.89	124.51
14	B	1230	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	G	1115	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	b	503	CLA	O2D-CGD-O1D	-2.45	119.06	123.84
14	r	508	CLA	O2D-CGD-O1D	-2.45	119.06	123.84
14	e	1101	CLA	CMB-C2B-C3B	2.45	129.25	124.68
14	V	1501	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	d	506	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	f	1012	CLA	C16-C15-C13	-2.45	108.02	115.92
14	a	512	CLA	O2D-CGD-O1D	-2.44	119.06	123.84
17	B	4009	BCR	C15-C16-C17	-2.44	118.47	123.47
17	n	4020	BCR	C29-C28-C27	-2.44	105.91	111.38
17	G	4003	BCR	C24-C23-C22	-2.44	122.54	126.23
14	5	517	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	f	1230	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
17	e	4003	BCR	C24-C23-C22	-2.44	122.54	126.23
17	u	521	BCR	C34-C9-C8	2.44	121.93	118.08
17	3	522	BCR	C38-C26-C25	-2.44	121.78	124.53
14	2	509	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	Z	516	CLA	O2D-CGD-CBD	2.44	115.61	111.27
14	b	506	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	s	504	CLA	C1B-CHB-C4A	-2.44	125.28	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	G	4003	BCR	C10-C11-C12	-2.44	115.60	123.22
14	Y	509	CLA	O2D-CGD-O1D	-2.44	119.06	123.84
14	L	1501	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
17	2	523	BCR	C33-C5-C6	-2.44	121.79	124.53
17	6	522	BCR	C33-C5-C6	-2.44	121.79	124.53
14	G	1119	CLA	CAC-C3C-C4C	2.44	127.98	124.81
14	H	1216	CLA	C1-O2A-CGA	2.44	122.85	116.44
17	L	4019	BCR	C16-C15-C14	-2.44	118.47	123.47
17	G	4007	BCR	C21-C20-C19	-2.44	115.60	123.22
17	e	4007	BCR	C21-C20-C19	-2.44	115.60	123.22
14	H	1012	CLA	C16-C15-C13	-2.44	108.03	115.92
17	V	4020	BCR	C29-C28-C27	-2.44	105.92	111.38
17	U	4104	BCR	C28-C27-C26	-2.44	109.72	114.08
14	e	1136	CLA	C1-C2-C3	-2.44	121.82	126.04
14	G	1127	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
20	T	5104	LMG	O6-C1-O1	-2.44	104.20	109.97
20	f	5002	LMG	C42-C41-C40	-2.44	102.05	114.42
14	A	1116	CLA	CHB-C4A-NA	2.44	127.88	124.51
17	a	522	BCR	C38-C26-C25	-2.44	121.79	124.53
14	d	501	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	n	1501	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
17	2	523	BCR	C21-C20-C19	-2.44	115.61	123.22
14	2	516	CLA	O2D-CGD-CBD	2.44	115.60	111.27
17	B	4014	BCR	C37-C22-C23	2.44	121.92	118.08
17	H	4010	BCR	C23-C22-C21	2.44	122.68	118.94
14	B	1216	CLA	C1-O2A-CGA	2.44	122.84	116.44
18	L	5221	LHG	C20-C19-C18	-2.44	102.05	114.42
17	r	523	BCR	C21-C20-C19	-2.44	115.61	123.22
17	H	4014	BCR	C37-C22-C23	2.44	121.92	118.08
21	s	822	SQD	C1-O5-C5	2.44	118.47	113.69
21	H	1852	SQD	O47-C7-C8	2.44	116.75	111.50
17	k	4018	BCR	C30-C25-C26	-2.44	119.18	122.61
17	f	4009	BCR	C15-C16-C17	-2.44	118.48	123.47
14	6	508	CLA	O2D-CGD-O1D	-2.44	119.08	123.84
14	H	1230	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
17	H	4006	BCR	C3-C4-C5	-2.44	109.73	114.08
14	1	509	CLA	O2D-CGD-O1D	-2.43	119.08	123.84
17	e	4003	BCR	C10-C11-C12	-2.43	115.62	123.22
21	u	822	SQD	C45-O47-C7	2.43	122.43	117.90
17	A	4003	BCR	C10-C11-C12	-2.43	115.62	123.22
14	G	1114	CLA	CHB-C4A-NA	2.43	127.88	124.51
14	q	509	CLA	O2D-CGD-O1D	-2.43	119.08	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	509	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
17	n	4019	BCR	C16-C15-C14	-2.43	118.49	123.47
17	m	4104	BCR	C28-C27-C26	-2.43	109.73	114.08
14	v	503	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	G	1136	CLA	C1-C2-C3	-2.43	121.84	126.04
17	G	4003	BCR	C38-C26-C25	-2.43	121.80	124.53
14	c	517	CLA	CHB-C4A-NA	2.43	127.88	124.51
17	A	4007	BCR	C21-C20-C19	-2.43	115.63	123.22
17	Z	523	BCR	C21-C20-C19	-2.43	115.63	123.22
14	Z	509	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	2	508	CLA	O2D-CGD-O1D	-2.43	119.08	123.84
14	2	517	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	G	1130	CLA	CHB-C4A-NA	2.43	127.87	124.51
17	m	4104	BCR	C23-C24-C25	-2.43	120.38	127.20
20	B	5002	LMG	C42-C41-C40	-2.43	102.09	114.42
14	B	1210	CLA	O2A-CGA-O1A	-2.43	117.46	123.59
14	A	1136	CLA	C1-C2-C3	-2.43	121.84	126.04
17	f	4014	BCR	C37-C22-C23	2.43	121.91	118.08
18	V	5221	LHG	C20-C19-C18	-2.43	102.09	114.42
14	t	503	CLA	C2D-C1D-ND	-2.43	108.31	110.10
14	A	1101	CLA	CMB-C2B-C3B	2.43	129.22	124.68
17	s	524	BCR	C27-C26-C25	-2.43	119.20	122.73
20	H	5002	LMG	C42-C41-C40	-2.43	102.10	114.42
17	5	521	BCR	C34-C9-C8	2.43	121.90	118.08
14	s	510	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
18	n	5221	LHG	C20-C19-C18	-2.43	102.11	114.42
17	K	4104	BCR	C28-C27-C26	-2.43	109.74	114.08
17	U	4104	BCR	C23-C24-C25	-2.43	120.39	127.20
17	B	4010	BCR	C23-C22-C21	2.43	122.66	118.94
14	s	509	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
17	G	4001	BCR	C11-C12-C13	-2.43	119.60	126.42
17	K	4104	BCR	C23-C24-C25	-2.43	120.39	127.20
17	B	4006	BCR	C3-C4-C5	-2.42	109.75	114.08
21	5	822	SQD	C45-O47-C7	2.42	122.42	117.90
14	G	1116	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	f	1215	CLA	C3C-C4C-NC	-2.42	107.85	110.57
17	V	4020	BCR	C15-C14-C13	-2.42	123.85	127.31
17	c	522	BCR	C33-C5-C4	2.42	118.27	113.62
14	d	508	CLA	O2D-CGD-O1D	-2.42	119.10	123.84
14	b	512	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	6	503	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	Z	519	CLA	C1B-CHB-C4A	-2.42	125.32	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1139	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	A	1114	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	f	1210	CLA	O2A-CGA-O1A	-2.42	117.48	123.59
14	e	1127	CLA	C1-C2-C3	-2.42	121.86	126.04
14	v	508	CLA	O2D-CGD-O1D	-2.42	119.10	123.84
14	4	503	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
14	3	504	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	3	509	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	H	1215	CLA	C3C-C4C-NC	-2.42	107.86	110.57
14	H	1235	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	a	518	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	e	1124	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	b	519	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	3	510	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	a	504	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	B	1240	CLA	C1-C2-C3	-2.42	121.86	126.04
14	A	1139	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	A	1124	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	s	507	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
14	t	503	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
17	o	4021	BCR	C36-C18-C19	2.42	121.89	118.08
14	A	1127	CLA	C1-C2-C3	-2.42	121.86	126.04
14	Z	517	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	H	1210	CLA	O2A-CGA-O1A	-2.42	117.49	123.59
14	e	1135	CLA	O2A-CGA-O1A	-2.42	117.49	123.59
14	B	1230	CLA	CHB-C4A-NA	2.42	127.85	124.51
17	t	523	BCR	C21-C20-C19	-2.42	115.68	123.22
17	I	4018	BCR	C38-C26-C27	2.42	118.26	113.62
17	G	4002	BCR	C33-C5-C6	-2.42	121.82	124.53
21	5	822	SQD	C4-C3-C2	2.42	115.04	110.82
17	c	521	BCR	C34-C9-C8	2.41	121.88	118.08
14	e	1119	CLA	CAC-C3C-C4C	2.41	127.94	124.81
14	b	511	CLA	C1B-CHB-C4A	-2.41	125.33	130.12
14	4	503	CLA	C2D-C1D-ND	-2.41	108.33	110.10
14	d	503	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	e	1105	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	U	1105	CLA	CHB-C4A-NA	2.41	127.85	124.51
21	c	822	SQD	C45-O47-C7	2.41	122.39	117.90
14	3	507	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
14	e	1114	CLA	CHB-C4A-NA	2.41	127.85	124.51
14	G	1139	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
18	L	5218	LHG	C27-C26-C25	-2.41	102.18	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	518	CLA	CMB-C2B-C3B	2.41	129.19	124.68
17	f	4006	BCR	C3-C4-C5	-2.41	109.77	114.08
17	u	522	BCR	C1-C6-C7	2.41	122.60	115.78
14	f	1235	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	G	1135	CLA	C2D-C1D-ND	-2.41	108.33	110.10
18	I	5001	LHG	C20-C19-C18	-2.41	102.18	114.42
17	f	4014	BCR	C15-C14-C13	-2.41	123.87	127.31
14	A	1136	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	A	1130	CLA	CHB-C4A-NA	2.41	127.84	124.51
18	n	5218	LHG	C27-C26-C25	-2.41	102.19	114.42
14	t	509	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	A	1119	CLA	CAC-C3C-C4C	2.41	127.94	124.81
17	a	522	BCR	C23-C24-C25	-2.41	120.44	127.20
17	5	522	BCR	C1-C6-C7	2.41	122.59	115.78
18	S	5001	LHG	C20-C19-C18	-2.41	102.20	114.42
18	k	5001	LHG	C20-C19-C18	-2.41	102.20	114.42
14	e	1136	CLA	CHB-C4A-NA	2.41	127.84	124.51
17	A	4002	BCR	C20-C19-C18	-2.41	119.65	126.42
17	e	4002	BCR	C20-C19-C18	-2.41	119.65	126.42
14	a	507	CLA	O2D-CGD-O1D	-2.41	119.13	123.84
14	G	1135	CLA	O2A-CGA-O1A	-2.41	117.52	123.59
17	M	4021	BCR	C36-C18-C19	2.41	121.87	118.08
17	s	522	BCR	C38-C26-C25	-2.41	121.83	124.53
14	A	1105	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	v	502	CLA	O2D-CGD-O1D	-2.41	119.13	123.84
18	V	5218	LHG	C27-C26-C25	-2.41	102.21	114.42
17	H	4014	BCR	C15-C14-C13	-2.41	123.88	127.31
14	3	518	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	f	1230	CLA	CHB-C4A-NA	2.41	127.84	124.51
17	q	522	BCR	C30-C25-C26	-2.41	119.22	122.61
17	e	4002	BCR	C33-C5-C6	-2.41	121.83	124.53
14	G	1136	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	3	518	CLA	CMB-C2B-C3B	2.41	129.18	124.68
17	4	524	BCR	C3-C4-C5	-2.40	109.78	114.08
14	s	518	CLA	CMB-C2B-C3B	2.40	129.18	124.68
17	k	4018	BCR	C38-C26-C27	2.40	118.23	113.62
14	G	1124	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	G	1127	CLA	C1-C2-C3	-2.40	121.89	126.04
21	u	822	SQD	C4-C3-C2	2.40	115.02	110.82
14	G	1117	CLA	C7-C6-C5	-2.40	106.83	113.36
17	b	524	BCR	C3-C4-C5	-2.40	109.79	114.08
14	Z	508	CLA	O2D-CGD-O1D	-2.40	119.14	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	e	4001	BCR	C35-C13-C12	2.40	121.86	118.08
14	t	511	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
17	c	522	BCR	C1-C6-C7	2.40	122.57	115.78
17	6	524	BCR	C23-C24-C25	-2.40	120.46	127.20
17	H	4010	BCR	C20-C19-C18	-2.40	119.67	126.42
14	e	1102	CLA	O2D-CGD-CBD	2.40	115.53	111.27
14	A	1135	CLA	O2A-CGA-O1A	-2.40	117.53	123.59
17	Y	522	BCR	C30-C25-C26	-2.40	119.23	122.61
14	A	1134	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
17	G	4003	BCR	C16-C15-C14	-2.40	118.56	123.47
17	S	4018	BCR	C38-C26-C27	2.40	118.23	113.62
14	4	512	CLA	CHB-C4A-NA	2.40	127.83	124.51
17	4	523	BCR	C21-C20-C19	-2.40	115.73	123.22
14	t	512	CLA	CHB-C4A-NA	2.40	127.83	124.51
22	X	170	FMN	O4-C4-C4A	-2.40	120.23	126.60
20	B	5002	LMG	C38-C37-C36	-2.40	102.25	114.42
14	t	519	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
14	e	1127	CLA	CAA-CBA-CGA	-2.40	106.24	113.25
15	G	2001	PQN	C2M-C2-C3	-2.40	120.49	124.40
14	H	1213	CLA	C11-C10-C8	-2.40	108.17	115.92
17	f	4010	BCR	C23-C22-C21	2.40	122.62	118.94
17	v	524	BCR	C23-C24-C25	-2.40	120.47	127.20
14	4	519	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
17	3	522	BCR	C23-C24-C25	-2.40	120.47	127.20
18	G	5006	LHG	C11-C10-C9	-2.40	102.25	114.42
17	G	4002	BCR	C20-C19-C18	-2.40	119.68	126.42
17	u	522	BCR	C20-C21-C22	-2.40	123.89	127.31
18	e	5006	LHG	C11-C10-C9	-2.40	102.26	114.42
14	d	502	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
14	B	1213	CLA	C11-C10-C8	-2.40	108.17	115.92
21	c	822	SQD	C4-C3-C2	2.40	115.01	110.82
14	H	1240	CLA	C1-C2-C3	-2.40	121.90	126.04
17	t	522	BCR	C33-C5-C4	2.40	118.22	113.62
17	B	4014	BCR	C15-C14-C13	-2.40	123.89	127.31
17	L	4020	BCR	C15-C14-C13	-2.40	123.89	127.31
17	f	4010	BCR	C20-C19-C18	-2.40	119.69	126.42
14	2	519	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	4	511	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	f	1240	CLA	C1-C2-C3	-2.40	121.90	126.04
17	B	4010	BCR	C20-C19-C18	-2.40	119.69	126.42
14	G	1134	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	H	1219	CLA	C1B-CHB-C4A	-2.40	125.37	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	1134	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	f	1236	CLA	O2D-CGD-CBD	2.40	115.52	111.27
17	Z	521	BCR	C29-C30-C25	2.40	114.17	110.48
17	f	4010	BCR	C28-C27-C26	-2.39	109.80	114.08
17	t	524	BCR	C3-C4-C5	-2.39	109.80	114.08
17	1	522	BCR	C30-C25-C26	-2.39	119.24	122.61
17	5	522	BCR	C20-C21-C22	-2.39	123.89	127.31
14	B	1215	CLA	C3C-C4C-NC	-2.39	107.89	110.57
18	A	5006	LHG	C11-C10-C9	-2.39	102.28	114.42
14	1	503	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	s	518	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	H	1230	CLA	CHB-C4A-NA	2.39	127.82	124.51
20	f	5002	LMG	C38-C37-C36	-2.39	102.28	114.42
14	A	1127	CLA	CAA-CBA-CGA	-2.39	106.26	113.25
20	H	5002	LMG	C38-C37-C36	-2.39	102.28	114.42
14	Y	503	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	A	1129	CLA	CHB-C4A-NA	2.39	127.82	124.51
17	A	4001	BCR	C35-C13-C12	2.39	121.84	118.08
17	L	4020	BCR	C11-C10-C9	-2.39	123.90	127.31
14	s	516	CLA	O2D-CGD-O1D	-2.39	119.16	123.84
14	A	1117	CLA	C7-C6-C5	-2.39	106.86	113.36
17	B	4006	BCR	C37-C22-C21	-2.39	119.57	122.92
17	s	522	BCR	C23-C24-C25	-2.39	120.49	127.20
17	Z	522	BCR	C36-C18-C19	2.39	121.84	118.08
14	6	502	CLA	O2D-CGD-O1D	-2.39	119.17	123.84
14	B	1236	CLA	O2D-CGD-CBD	2.39	115.51	111.27
17	4	522	BCR	C1-C6-C5	-2.39	119.25	122.61
17	a	524	BCR	C27-C26-C25	-2.39	119.26	122.73
14	G	1129	CLA	CHB-C4A-NA	2.39	127.82	124.51
17	t	522	BCR	C33-C5-C6	-2.39	121.84	124.53
17	A	4007	BCR	C29-C30-C25	2.39	114.16	110.48
14	q	503	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	A	1102	CLA	O2D-CGD-CBD	2.39	115.51	111.27
17	r	521	BCR	C29-C30-C25	2.39	114.16	110.48
14	f	1213	CLA	C11-C10-C8	-2.39	108.20	115.92
17	4	522	BCR	C33-C5-C4	2.39	118.20	113.62
14	5	510	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	u	510	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
17	k	4018	BCR	C4-C5-C6	-2.39	119.27	122.73
17	A	4003	BCR	C16-C15-C14	-2.39	118.58	123.47
14	K	1105	CLA	CHB-C4A-NA	2.39	127.81	124.51
14	6	512	CLA	CHB-C4A-NA	2.39	127.81	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1107	CLA	CHB-C4A-NA	2.39	127.81	124.51
14	G	1103	CLA	C1-C2-C3	-2.39	121.92	126.04
17	W	4021	BCR	C36-C18-C19	2.39	121.84	118.08
17	V	4019	BCR	C33-C5-C6	-2.39	121.85	124.53
14	e	1117	CLA	C7-C6-C5	-2.39	106.88	113.36
14	c	503	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
17	d	524	BCR	C23-C24-C25	-2.38	120.50	127.20
17	S	4018	BCR	C4-C5-C6	-2.38	119.27	122.73
17	T	4013	BCR	C11-C10-C9	-2.38	123.91	127.31
17	b	523	BCR	C21-C20-C19	-2.38	115.78	123.22
14	e	1129	CLA	CHB-C4A-NA	2.38	127.81	124.51
14	H	1225	CLA	C2D-C1D-ND	-2.38	108.35	110.10
14	r	519	CLA	C1B-CHB-C4A	-2.38	125.39	130.12
17	e	4007	BCR	C29-C30-C25	2.38	114.15	110.48
14	3	516	CLA	O2D-CGD-O1D	-2.38	119.18	123.84
14	H	1236	CLA	O2A-CGA-O1A	-2.38	117.58	123.59
17	3	524	BCR	C27-C26-C25	-2.38	119.27	122.73
14	a	516	CLA	O2D-CGD-O1D	-2.38	119.18	123.84
15	A	2001	PQN	C2M-C2-C3	-2.38	120.51	124.40
17	l	4015	BCR	C16-C15-C14	-2.38	118.59	123.47
14	B	1219	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
22	P	170	FMN	O4-C4-C4A	-2.38	120.28	126.60
17	b	522	BCR	C33-C5-C4	2.38	118.19	113.62
17	4	522	BCR	C33-C5-C6	-2.38	121.85	124.53
14	b	509	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
17	t	522	BCR	C1-C6-C5	-2.38	119.26	122.61
17	2	521	BCR	C29-C30-C25	2.38	114.15	110.48
14	G	1801	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
17	G	4007	BCR	C29-C30-C25	2.38	114.14	110.48
14	4	509	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
14	R	1301	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
14	e	1135	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
14	e	1117	CLA	O2A-CGA-O1A	-2.38	117.59	123.59
14	f	1236	CLA	O2A-CGA-O1A	-2.38	117.59	123.59
17	n	4020	BCR	C11-C10-C9	-2.38	123.91	127.31
14	4	503	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
17	f	4006	BCR	C37-C22-C21	-2.38	119.59	122.92
14	A	1135	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	F	1301	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
17	A	4002	BCR	C33-C5-C6	-2.38	121.86	124.53
17	2	522	BCR	C36-C18-C19	2.38	121.82	118.08
14	a	501	CLA	C1B-CHB-C4A	-2.38	125.41	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	4010	BCR	C28-C27-C26	-2.38	109.83	114.08
14	G	1127	CLA	CAA-CBA-CGA	-2.38	106.31	113.25
17	e	4003	BCR	C16-C15-C14	-2.37	118.61	123.47
14	b	513	CLA	C1B-CHB-C4A	-2.37	125.41	130.12
17	H	4010	BCR	C28-C27-C26	-2.37	109.84	114.08
14	T	1303	CLA	O2A-CGA-O1A	-2.37	117.38	123.30
14	Y	504	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	e	1130	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	t	513	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
21	3	822	SQD	O5-C5-C4	2.37	114.00	109.69
14	e	1801	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
17	J	4013	BCR	C11-C10-C9	-2.37	123.92	127.31
17	l	4013	BCR	C11-C10-C9	-2.37	123.92	127.31
14	e	1111	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
21	a	822	SQD	O5-C5-C4	2.37	114.00	109.69
14	a	507	CLA	C2A-C1A-CHA	2.37	128.01	123.86
14	A	1801	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
17	c	522	BCR	C20-C21-C22	-2.37	123.93	127.31
14	4	513	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
17	J	4015	BCR	C16-C15-C14	-2.37	118.62	123.47
14	B	1236	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
14	s	507	CLA	C2A-C1A-CHA	2.37	128.00	123.86
22	p	170	FMN	O4-C4-C4A	-2.37	120.31	126.60
14	c	510	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
17	f	4010	BCR	C33-C5-C6	-2.37	121.87	124.53
17	r	522	BCR	C36-C18-C19	2.37	121.81	118.08
14	G	1120	CLA	CAA-C2A-C3A	-2.37	106.29	112.78
14	m	1105	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	v	512	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	A	1109	CLA	O1D-CGD-CBD	2.37	129.33	124.48
14	H	1236	CLA	O2D-CGD-CBD	2.37	115.48	111.27
17	t	524	BCR	C1-C6-C7	2.37	122.48	115.78
14	6	518	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	j	1301	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
21	s	822	SQD	O5-C5-C4	2.37	114.00	109.69
14	b	503	CLA	C2D-C1D-ND	-2.37	108.36	110.10
14	e	1109	CLA	O1D-CGD-CBD	2.37	129.33	124.48
14	f	1219	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
17	H	4006	BCR	C37-C22-C21	-2.37	119.61	122.92
14	e	1103	CLA	C1-C2-C3	-2.37	121.95	126.04
14	5	503	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
19	A	1849	LMU	O5'-C1'-C2'	2.37	115.36	110.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
19	G	1849	LMU	O5'-C1'-C2'	2.37	115.36	110.35
14	A	1111	CLA	O2A-CGA-O1A	-2.37	117.62	123.59
14	B	1235	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	e	1104	CLA	CAA-C2A-C3A	-2.37	106.30	112.78
17	n	4020	BCR	C15-C14-C13	-2.37	123.93	127.31
17	I	4018	BCR	C4-C5-C6	-2.37	119.30	122.73
17	a	522	BCR	C31-C1-C6	-2.36	106.46	110.30
14	G	1108	CLA	C1B-CHB-C4A	-2.36	125.43	130.12
14	H	1021	CLA	C11-C12-C13	-2.36	108.28	115.92
14	c	509	CLA	C1B-CHB-C4A	-2.36	125.43	130.12
14	J	1303	CLA	O2A-CGA-O1A	-2.36	117.41	123.30
14	3	501	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
17	T	4015	BCR	C16-C15-C14	-2.36	118.63	123.47
14	s	503	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	A	1103	CLA	C1-C2-C3	-2.36	121.96	126.04
14	G	1102	CLA	O2D-CGD-CBD	2.36	115.47	111.27
14	q	504	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	v	518	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
17	V	4020	BCR	C11-C10-C9	-2.36	123.94	127.31
14	A	1107	CLA	CHB-C4A-NA	2.36	127.78	124.51
17	c	521	BCR	C27-C26-C25	-2.36	119.30	122.73
15	e	2001	PQN	C2M-C2-C3	-2.36	120.55	124.40
14	t	503	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
17	V	4219	BCR	C36-C18-C19	2.36	121.80	118.08
15	B	2002	PQN	C2M-C2-C3	-2.36	120.55	124.40
14	G	1111	CLA	O2A-CGA-O1A	-2.36	117.63	123.59
17	3	522	BCR	C31-C1-C6	-2.36	106.47	110.30
14	e	1107	CLA	CHB-C4A-NA	2.36	127.78	124.51
18	n	5218	LHG	O8-C23-C24	2.36	119.32	111.91
14	u	503	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	u	509	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	G	1117	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
14	A	1120	CLA	CAA-C2A-C3A	-2.36	106.32	112.78
14	d	518	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
19	e	1849	LMU	O5'-C1'-C2'	2.36	115.34	110.35
17	G	4001	BCR	C35-C13-C12	2.36	121.79	118.08
17	2	522	BCR	C3-C4-C5	-2.36	109.86	114.08
14	n	1503	CLA	O2D-CGD-CBD	2.36	115.46	111.27
14	5	509	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
17	s	522	BCR	C31-C1-C6	-2.36	106.47	110.30
14	q	502	CLA	CMB-C2B-C3B	2.36	129.09	124.68
14	A	1104	CLA	CAA-C2A-C3A	-2.36	106.32	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	1108	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	f	1223	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
17	B	4014	BCR	C12-C13-C14	-2.36	115.33	118.94
14	G	1135	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	G	1104	CLA	CAA-C2A-C3A	-2.36	106.33	112.78
14	1	502	CLA	CMB-C2B-C3B	2.36	129.09	124.68
14	Y	502	CLA	CMB-C2B-C3B	2.36	129.09	124.68
17	4	524	BCR	C1-C6-C7	2.36	122.44	115.78
14	A	1117	CLA	O2A-CGA-O1A	-2.36	117.65	123.59
14	b	503	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
14	H	1239	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
14	B	1021	CLA	C11-C12-C13	-2.35	108.31	115.92
17	L	4019	BCR	C33-C5-C6	-2.35	121.89	124.53
17	b	522	BCR	C33-C5-C6	-2.35	121.89	124.53
14	1	504	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
17	b	522	BCR	C1-C6-C5	-2.35	119.30	122.61
18	L	5218	LHG	O8-C23-C24	2.35	119.29	111.91
17	b	524	BCR	C1-C6-C7	2.35	122.43	115.78
14	l	1303	CLA	O2A-CGA-O1A	-2.35	117.44	123.30
14	e	1120	CLA	CAA-C2A-C3A	-2.35	106.34	112.78
17	B	4010	BCR	C33-C5-C6	-2.35	121.89	124.53
14	3	503	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	H	1223	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	s	501	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	c	506	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
17	s	523	BCR	C8-C7-C6	-2.35	120.60	127.20
17	r	522	BCR	C3-C4-C5	-2.35	109.88	114.08
14	3	507	CLA	C2A-C1A-CHA	2.35	127.97	123.86
14	B	1223	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
17	v	524	BCR	C10-C11-C12	-2.35	115.89	123.22
17	Z	522	BCR	C23-C24-C25	-2.35	120.60	127.20
21	r	822	SQD	O6-C1-C2	2.35	111.97	108.30
14	H	1240	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	d	512	CLA	CHB-C4A-NA	2.35	127.76	124.51
17	v	523	BCR	C21-C20-C19	-2.35	115.89	123.22
14	1	501	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
17	L	4219	BCR	C36-C18-C19	2.35	121.78	118.08
14	e	1108	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	B	1204	CLA	CHD-C1D-ND	-2.35	122.30	124.45
14	G	1013	CLA	C3C-C4C-NC	-2.35	107.94	110.57
14	G	1109	CLA	O1D-CGD-CBD	2.35	129.29	124.48
14	Y	501	CLA	C1B-CHB-C4A	-2.35	125.47	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	q	501	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	b	508	CLA	C2D-C1D-ND	-2.35	108.38	110.10
14	f	1021	CLA	C11-C12-C13	-2.35	108.34	115.92
17	f	4014	BCR	C15-C16-C17	-2.35	118.67	123.47
17	Z	522	BCR	C3-C4-C5	-2.35	109.89	114.08
18	L	5221	LHG	O8-C23-C24	2.35	119.27	111.91
14	5	506	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
17	6	523	BCR	C21-C20-C19	-2.34	115.90	123.22
17	d	523	BCR	C21-C20-C19	-2.34	115.90	123.22
14	4	504	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
18	V	5218	LHG	O8-C23-C24	2.34	119.26	111.91
14	a	502	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
14	v	510	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
21	t	822	SQD	O5-C5-C4	2.34	113.95	109.69
14	L	1503	CLA	O2D-CGD-CBD	2.34	115.43	111.27
17	3	523	BCR	C8-C7-C6	-2.34	120.62	127.20
17	a	523	BCR	C8-C7-C6	-2.34	120.62	127.20
14	B	1225	CLA	C2D-C1D-ND	-2.34	108.38	110.10
15	f	2002	PQN	C2M-C2-C3	-2.34	120.58	124.40
18	V	5221	LHG	O8-C23-C24	2.34	119.26	111.91
18	n	5221	LHG	O8-C23-C24	2.34	119.26	111.91
14	H	1235	CLA	CHD-C1D-ND	-2.34	122.30	124.45
14	v	504	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	f	1240	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	u	501	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	e	1107	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
17	B	4014	BCR	C15-C16-C17	-2.34	118.68	123.47
14	H	1204	CLA	CHD-C1D-ND	-2.34	122.31	124.45
14	4	508	CLA	C2D-C1D-ND	-2.34	108.38	110.10
17	5	523	BCR	C33-C5-C4	2.34	118.11	113.62
17	M	4021	BCR	C3-C4-C5	-2.34	109.90	114.08
17	W	4021	BCR	C3-C4-C5	-2.34	109.90	114.08
17	5	521	BCR	C27-C26-C25	-2.34	119.34	122.73
14	B	1240	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	f	1211	CLA	O2D-CGD-CBD	2.34	115.42	111.27
14	e	1127	CLA	O2D-CGD-O1D	-2.34	119.27	123.84
14	f	1227	CLA	CHD-C1D-ND	-2.34	122.31	124.45
17	e	4011	BCR	C15-C14-C13	-2.34	123.98	127.31
14	H	1226	CLA	CAC-C3C-C4C	2.34	127.84	124.81
17	c	523	BCR	C33-C5-C4	2.34	118.10	113.62
17	f	4014	BCR	C12-C13-C14	-2.34	115.36	118.94
17	H	4014	BCR	C12-C13-C14	-2.33	115.36	118.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	u	521	BCR	C27-C26-C25	-2.33	119.34	122.73
22	P	170	FMN	C10-C4A-N5	-2.33	119.90	124.86
17	r	522	BCR	C23-C24-C25	-2.33	120.64	127.20
14	t	504	CLA	C1B-CHB-C4A	-2.33	125.49	130.12
17	6	524	BCR	C10-C11-C12	-2.33	115.93	123.22
17	o	4021	BCR	C3-C4-C5	-2.33	109.91	114.08
14	G	1107	CLA	O2A-CGA-O1A	-2.33	117.70	123.59
14	G	1104	CLA	C11-C12-C13	-2.33	108.38	115.92
14	H	1215	CLA	C16-C15-C13	-2.33	108.38	115.92
20	T	5104	LMG	O3-C3-C2	-2.33	104.95	110.35
14	5	501	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	H	4014	BCR	C15-C16-C17	-2.33	118.69	123.47
14	A	1104	CLA	C11-C12-C13	-2.33	108.38	115.92
17	c	524	BCR	C38-C26-C25	-2.33	121.91	124.53
14	B	1239	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	1	510	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	A	1107	CLA	O2A-CGA-O1A	-2.33	117.70	123.59
22	X	170	FMN	C10-C4A-N5	-2.33	119.91	124.86
14	u	506	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	H	4004	BCR	C20-C19-C18	-2.33	119.86	126.42
17	A	4011	BCR	C15-C14-C13	-2.33	123.98	127.31
17	H	4010	BCR	C16-C17-C18	-2.33	123.98	127.31
17	a	524	BCR	C20-C21-C22	-2.33	123.98	127.31
17	n	4219	BCR	C36-C18-C19	2.33	121.75	118.08
17	n	4019	BCR	C33-C5-C6	-2.33	121.91	124.53
20	H	5002	LMG	O3-C3-C2	-2.33	104.96	110.35
14	A	1120	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	Y	511	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	B	1226	CLA	CAC-C3C-C4C	2.33	127.83	124.81
14	r	509	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
14	f	1239	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	2	522	BCR	C23-C24-C25	-2.33	120.66	127.20
14	t	511	CLA	C2D-C1D-ND	-2.33	108.39	110.10
14	e	1120	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	u	523	BCR	C33-C5-C4	2.33	118.09	113.62
14	A	1137	CLA	C4-C3-C5	2.33	119.19	115.27
14	e	1104	CLA	C11-C12-C13	-2.33	108.39	115.92
14	3	502	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	f	1021	CLA	O2A-C1-C2	-2.33	102.52	108.64
14	B	1215	CLA	C16-C15-C13	-2.33	108.40	115.92
14	f	1204	CLA	CHD-C1D-ND	-2.33	122.32	124.45
14	e	1114	CLA	C1B-CHB-C4A	-2.33	125.51	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	u	524	BCR	C37-C22-C23	2.33	121.74	118.08
14	f	1221	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	u	511	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
17	s	524	BCR	C20-C21-C22	-2.33	123.99	127.31
14	A	1118	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
17	H	4010	BCR	C33-C5-C6	-2.33	121.92	124.53
14	b	504	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
17	3	524	BCR	C20-C21-C22	-2.32	123.99	127.31
14	A	1127	CLA	O2D-CGD-O1D	-2.32	119.29	123.84
14	6	510	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
14	e	1137	CLA	C4-C3-C5	2.32	119.18	115.27
17	d	521	BCR	C33-C5-C6	-2.32	121.92	124.53
20	B	5002	LMG	O3-C3-C2	-2.32	104.98	110.35
14	Y	509	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
14	a	503	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
14	e	1118	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
21	2	822	SQD	O6-C1-C2	2.32	111.93	108.30
14	G	1120	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	A	1013	CLA	C3C-C4C-NC	-2.32	107.97	110.57
14	Y	510	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	t	502	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
20	f	5002	LMG	O3-C3-C2	-2.32	104.98	110.35
14	Z	519	CLA	CMB-C2B-C3B	2.32	129.02	124.68
14	f	1226	CLA	CAC-C3C-C4C	2.32	127.82	124.81
14	A	1114	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	c	501	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	1	511	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	6	504	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	H	1211	CLA	O2D-CGD-CBD	2.32	115.39	111.27
14	V	1503	CLA	O2D-CGD-CBD	2.32	115.39	111.27
17	a	524	BCR	C1-C6-C5	-2.32	119.34	122.61
14	B	1211	CLA	O2D-CGD-CBD	2.32	115.39	111.27
17	Y	524	BCR	C16-C15-C14	-2.32	118.72	123.47
17	H	4009	BCR	C37-C22-C23	2.32	121.73	118.08
14	s	502	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	B	1202	CLA	O2A-C1-C2	-2.32	102.54	108.64
14	G	1137	CLA	C4-C3-C5	2.32	119.17	115.27
21	Z	822	SQD	O6-C1-C2	2.32	111.92	108.30
14	2	509	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
17	d	524	BCR	C10-C11-C12	-2.32	115.98	123.22
14	G	1114	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
21	4	822	SQD	O5-C5-C4	2.32	113.91	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	518	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
17	B	4014	BCR	C38-C26-C25	2.32	127.13	124.53
14	Z	509	CLA	O2D-CGD-O1D	-2.32	119.31	123.84
14	d	510	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	B	1021	CLA	O2A-C1-C2	-2.32	102.54	108.64
14	2	509	CLA	O2D-CGD-O1D	-2.32	119.31	123.84
20	J	5104	LMG	O3-C3-C2	-2.32	104.99	110.35
14	B	1227	CLA	CHD-C1D-ND	-2.32	122.33	124.45
14	1	509	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
17	u	524	BCR	C38-C26-C25	-2.32	121.93	124.53
17	3	524	BCR	C34-C9-C8	2.32	121.73	118.08
14	Z	509	CLA	O2A-CGA-O1A	-2.32	117.75	123.59
14	f	1219	CLA	CHB-C4A-NA	2.32	127.71	124.51
14	q	510	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	H	1021	CLA	O2A-C1-C2	-2.32	102.55	108.64
14	B	1221	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	d	504	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	q	509	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	2	519	CLA	CMB-C2B-C3B	2.31	129.01	124.68
14	A	1103	CLA	CAA-C2A-C1A	-2.31	104.39	111.97
14	A	1117	CLA	CHD-C1D-ND	-2.31	122.33	124.45
14	B	1219	CLA	CHB-C4A-NA	2.31	127.71	124.51
22	p	170	FMN	C10-C4A-N5	-2.31	119.95	124.86
17	d	522	BCR	C23-C24-C25	-2.31	120.70	127.20
14	f	1215	CLA	C16-C15-C13	-2.31	108.44	115.92
17	B	4009	BCR	C37-C22-C23	2.31	121.72	118.08
14	G	1118	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
17	B	4004	BCR	C20-C19-C18	-2.31	119.92	126.42
14	b	502	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
17	u	521	BCR	C20-C19-C18	-2.31	119.92	126.42
14	f	1225	CLA	C1-C2-C3	-2.31	122.04	126.04
14	H	1221	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	f	1202	CLA	O2A-C1-C2	-2.31	102.56	108.64
17	6	522	BCR	C36-C18-C19	2.31	121.72	118.08
14	6	512	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
17	A	4008	BCR	C28-C27-C26	-2.31	109.95	114.08
14	f	1225	CLA	C2D-C1D-ND	-2.31	108.40	110.10
14	t	512	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	r	509	CLA	O2D-CGD-O1D	-2.31	119.32	123.84
17	c	521	BCR	C20-C19-C18	-2.31	119.93	126.42
15	H	2002	PQN	C2M-C2-C3	-2.31	120.63	124.40
17	c	521	BCR	C33-C5-C6	-2.31	121.93	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	b	822	SQD	O5-C5-C4	2.31	113.89	109.69
17	3	524	BCR	C1-C6-C5	-2.31	119.36	122.61
14	e	1103	CLA	CAA-C2A-C1A	-2.31	104.41	111.97
17	5	521	BCR	C20-C19-C18	-2.31	119.93	126.42
17	6	521	BCR	C33-C5-C6	-2.31	121.94	124.53
14	G	1103	CLA	CAA-C2A-C1A	-2.31	104.41	111.97
17	Y	524	BCR	C20-C21-C22	-2.31	124.02	127.31
17	q	524	BCR	C16-C15-C14	-2.31	118.75	123.47
14	4	502	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
14	3	509	CLA	O2D-CGD-O1D	-2.31	119.33	123.84
17	f	4014	BCR	C38-C26-C25	2.31	127.12	124.53
14	B	1210	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
14	5	518	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
14	G	1127	CLA	O2D-CGD-O1D	-2.31	119.33	123.84
21	Y	822	SQD	O48-C23-O10	-2.31	117.77	123.59
17	e	4008	BCR	C28-C27-C26	-2.31	109.96	114.08
14	v	512	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
17	l	524	BCR	C16-C15-C14	-2.31	118.75	123.47
14	f	1201	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
17	B	4010	BCR	C16-C17-C18	-2.31	124.02	127.31
17	a	524	BCR	C34-C9-C8	2.31	121.71	118.08
17	f	4004	BCR	C20-C19-C18	-2.31	119.94	126.42
17	5	524	BCR	C38-C26-C25	-2.31	121.94	124.53
14	A	1123	CLA	CHA-C1A-NA	-2.31	121.12	126.40
14	H	1219	CLA	CHB-C4A-NA	2.31	127.70	124.51
20	l	5104	LMG	O3-C3-C2	-2.31	105.02	110.35
17	d	522	BCR	C36-C18-C19	2.30	121.71	118.08
21	q	822	SQD	O48-C23-O10	-2.30	117.78	123.59
17	V	4019	BCR	C40-C30-C25	-2.30	106.56	110.30
17	v	521	BCR	C33-C5-C6	-2.30	121.94	124.53
14	l	502	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
17	v	521	BCR	C16-C15-C14	-2.30	118.76	123.47
14	G	1137	CLA	C2A-C1A-CHA	2.30	127.89	123.86
17	6	522	BCR	C23-C24-C25	-2.30	120.73	127.20
14	G	1113	CLA	O2A-CGA-O1A	-2.30	117.56	123.30
17	G	4011	BCR	C15-C14-C13	-2.30	124.02	127.31
14	B	1201	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
14	e	1123	CLA	CHA-C1A-NA	-2.30	121.13	126.40
17	s	524	BCR	C34-C9-C8	2.30	121.70	118.08
14	r	519	CLA	CMB-C2B-C3B	2.30	128.98	124.68
17	G	4008	BCR	C28-C27-C26	-2.30	109.97	114.08
17	f	4010	BCR	C16-C17-C18	-2.30	124.03	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	v	522	BCR	C23-C24-C25	-2.30	120.74	127.20
17	q	524	BCR	C20-C21-C22	-2.30	124.03	127.31
14	G	1106	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	G	1123	CLA	CHA-C1A-NA	-2.30	121.13	126.40
17	u	521	BCR	C33-C5-C6	-2.30	121.95	124.53
17	6	521	BCR	C16-C15-C14	-2.30	118.76	123.47
14	5	511	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	Y	502	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	s	509	CLA	O2D-CGD-O1D	-2.30	119.34	123.84
14	G	1104	CLA	C1-C2-C3	-2.30	122.07	126.04
14	J	1302	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	e	1117	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	6	517	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
17	c	524	BCR	C37-C22-C23	2.30	121.70	118.08
17	f	4009	BCR	C37-C22-C23	2.30	121.70	118.08
14	H	1201	CLA	O2A-CGA-O1A	-2.30	117.79	123.59
14	e	1013	CLA	C3C-C4C-NC	-2.30	107.99	110.57
14	H	1202	CLA	O2A-C1-C2	-2.30	102.60	108.64
14	T	1302	CLA	O2A-CGA-O1A	-2.30	117.79	123.59
14	j	1302	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	B	1225	CLA	C1-C2-C3	-2.30	122.07	126.04
14	H	1225	CLA	C1-C2-C3	-2.30	122.07	126.04
17	5	521	BCR	C33-C5-C6	-2.30	121.95	124.53
20	H	5002	LMG	O2-C2-C1	-2.30	104.47	110.05
14	a	509	CLA	O2D-CGD-O1D	-2.30	119.35	123.84
14	q	502	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	a	516	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
17	H	4014	BCR	C23-C22-C21	-2.30	115.42	118.94
14	c	511	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	G	1117	CLA	CHD-C1D-ND	-2.29	122.34	124.45
18	G	5005	LHG	C11-C10-C9	-2.29	102.78	114.42
18	A	5005	LHG	C11-C10-C9	-2.29	102.78	114.42
17	f	4014	BCR	C23-C22-C21	-2.29	115.42	118.94
14	e	1113	CLA	O2A-CGA-O1A	-2.29	117.58	123.30
17	d	521	BCR	C16-C15-C14	-2.29	118.77	123.47
17	e	4002	BCR	C35-C13-C12	2.29	121.69	118.08
20	B	5002	LMG	O2-C2-C1	-2.29	104.47	110.05
17	B	4014	BCR	C23-C22-C21	-2.29	115.42	118.94
14	A	1137	CLA	C2A-C1A-CHA	2.29	127.87	123.86
17	v	522	BCR	C36-C18-C19	2.29	121.69	118.08
14	q	511	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
14	G	1125	CLA	C1B-CHB-C4A	-2.29	125.58	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	H	1227	CLA	CHD-C1D-ND	-2.29	122.35	124.45
14	4	512	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	J	1302	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
21	f	1852	SQD	C4-C3-C2	2.29	114.82	110.82
17	5	524	BCR	C37-C22-C23	2.29	121.69	118.08
17	H	4004	BCR	C39-C30-C25	-2.29	106.58	110.30
14	e	1237	CLA	O2D-CGD-CBD	2.29	115.34	111.27
18	e	5005	LHG	C11-C10-C9	-2.29	102.80	114.42
14	d	512	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	f	1231	CLA	CHD-C1D-ND	-2.29	122.35	124.45
17	f	4004	BCR	C39-C30-C25	-2.29	106.59	110.30
18	A	5004	LHG	C5-O7-C7	-2.29	112.16	117.79
18	e	5004	LHG	C5-O7-C7	-2.29	112.16	117.79
14	l	1302	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
14	A	1125	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	H	1210	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	f	1210	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	Y	504	CLA	CAA-C2A-C3A	-2.29	106.51	112.78
14	A	1104	CLA	C1-C2-C3	-2.29	122.08	126.04
21	l	822	SQD	O48-C23-O10	-2.29	117.82	123.59
14	t	510	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	G	1119	CLA	C2D-C1D-ND	-2.29	108.42	110.10
14	A	1113	CLA	O2A-CGA-O1A	-2.29	117.60	123.30
14	e	1104	CLA	C1-C2-C3	-2.29	122.09	126.04
21	B	1852	SQD	C4-C3-C2	2.29	114.82	110.82
14	A	1106	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	u	518	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	R	1302	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	q	504	CLA	CAA-C2A-C3A	-2.29	106.52	112.78
18	G	5007	LHG	C27-C26-C25	-2.29	102.82	114.42
20	T	5104	LMG	O2-C2-C1	-2.29	104.49	110.05
17	t	521	BCR	C29-C30-C25	2.29	114.00	110.48
14	H	1204	CLA	O2D-CGD-CBD	2.29	115.33	111.27
14	G	1011	CLA	CMD-C2D-C3D	2.28	132.87	127.61
18	G	5007	LHG	C18-C17-C16	-2.28	102.83	114.42
14	d	517	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
14	l	1302	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
14	t	508	CLA	C2D-C1D-ND	-2.28	108.42	110.10
18	B	1842	LHG	O8-C23-C24	2.28	119.07	111.91
18	G	5004	LHG	C5-O7-C7	-2.28	112.17	117.79
17	l	524	BCR	C20-C21-C22	-2.28	124.05	127.31
14	l	504	CLA	CAA-C2A-C3A	-2.28	106.53	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	510	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
14	2	502	CLA	CAA-C2A-C3A	-2.28	106.53	112.78
14	r	502	CLA	CAA-C2A-C3A	-2.28	106.53	112.78
18	A	5007	LHG	C18-C17-C16	-2.28	102.83	114.42
17	G	4002	BCR	C35-C13-C12	2.28	121.67	118.08
14	H	1012	CLA	CAA-CBA-CGA	-2.28	106.58	113.25
17	q	522	BCR	C1-C6-C7	2.28	122.24	115.78
18	e	5007	LHG	C18-C17-C16	-2.28	102.84	114.42
14	b	512	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	b	518	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	e	1129	CLA	C2D-C1D-ND	-2.28	108.42	110.10
17	d	523	BCR	C33-C5-C4	2.28	118.00	113.62
14	4	508	CLA	CHC-C1C-NC	2.28	127.66	124.20
14	T	1302	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	f	1207	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	3	510	CLA	O2A-CGA-O1A	-2.28	117.61	123.30
18	e	5007	LHG	C27-C26-C25	-2.28	102.85	114.42
14	B	1207	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	B	1012	CLA	CAA-CBA-CGA	-2.28	106.59	113.25
17	B	4004	BCR	C39-C30-C25	-2.28	106.60	110.30
17	s	524	BCR	C1-C6-C5	-2.28	119.40	122.61
17	n	4019	BCR	C40-C30-C25	-2.28	106.60	110.30
14	4	510	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	f	1012	CLA	CAA-CBA-CGA	-2.28	106.59	113.25
14	4	511	CLA	C2D-C1D-ND	-2.28	108.42	110.10
14	e	1108	CLA	O2D-CGD-CBD	2.28	115.32	111.27
14	t	508	CLA	CHC-C1C-NC	2.28	127.66	124.20
14	r	512	CLA	CHB-C4A-NA	2.28	127.66	124.51
17	Y	522	BCR	C1-C6-C7	2.28	122.22	115.78
14	F	1302	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
17	1	521	BCR	C2-C1-C6	2.28	113.99	110.48
14	A	1103	CLA	CAA-CBA-CGA	-2.28	106.60	113.25
20	f	5002	LMG	O2-C2-C1	-2.28	104.51	110.05
17	L	4019	BCR	C40-C30-C25	-2.28	106.61	110.30
17	s	522	BCR	C21-C20-C19	-2.28	116.11	123.22
19	G	1849	LMU	C3'-C4'-C5'	2.28	114.30	110.24
17	1	522	BCR	C1-C6-C7	2.28	122.22	115.78
17	q	521	BCR	C2-C1-C6	2.28	113.98	110.48
17	Z	521	BCR	C20-C19-C18	-2.28	120.02	126.42
14	s	502	CLA	CMB-C2B-C3B	2.28	128.94	124.68
18	H	1842	LHG	O8-C23-C24	2.28	119.05	111.91
14	H	1207	CLA	C1B-CHB-C4A	-2.28	125.61	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	4008	BCR	C20-C19-C18	-2.28	120.03	126.42
17	2	521	BCR	C20-C19-C18	-2.28	120.03	126.42
18	A	5007	LHG	C27-C26-C25	-2.27	102.88	114.42
17	3	522	BCR	C21-C20-C19	-2.27	116.12	123.22
14	e	1125	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
18	f	1842	LHG	O8-C23-C24	2.27	119.05	111.91
14	G	1103	CLA	CAA-CBA-CGA	-2.27	106.61	113.25
20	J	5104	LMG	O2-C2-C1	-2.27	104.52	110.05
14	e	1110	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
14	Z	501	CLA	CAA-C2A-C3A	-2.27	106.55	112.78
14	e	1106	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
14	v	517	CLA	C1B-CHB-C4A	-2.27	125.61	130.12
17	e	4008	BCR	C20-C19-C18	-2.27	120.03	126.42
14	Z	502	CLA	CAA-C2A-C3A	-2.27	106.56	112.78
14	a	510	CLA	O2A-CGA-O1A	-2.27	117.64	123.30
14	e	1137	CLA	C2A-C1A-CHA	2.27	127.83	123.86
14	G	1108	CLA	O2D-CGD-CBD	2.27	115.30	111.27
17	4	521	BCR	C29-C30-C25	2.27	113.98	110.48
14	3	516	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	B	1012	CLA	C11-C12-C13	-2.27	108.58	115.92
14	4	518	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	H	1239	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
14	A	1119	CLA	C2D-C1D-ND	-2.27	108.43	110.10
14	b	511	CLA	C2D-C1D-ND	-2.27	108.43	110.10
17	6	523	BCR	C33-C5-C4	2.27	117.98	113.62
14	H	1239	CLA	O2D-CGD-CBD	2.27	115.30	111.27
14	Z	511	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	H	1012	CLA	C11-C12-C13	-2.27	108.59	115.92
17	A	4002	BCR	C35-C13-C12	2.27	121.65	118.08
14	f	1012	CLA	C11-C12-C13	-2.27	108.59	115.92
19	A	1849	LMU	C3'-C4'-C5'	2.27	114.28	110.24
14	f	1236	CLA	CHB-C4A-NA	2.27	127.65	124.51
17	Y	521	BCR	C2-C1-C6	2.27	113.97	110.48
14	e	1130	CLA	O2A-CGA-O1A	-2.27	117.87	123.59
17	r	521	BCR	C20-C19-C18	-2.27	120.05	126.42
14	b	508	CLA	CHC-C1C-NC	2.27	127.64	124.20
14	Z	503	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
14	B	1221	CLA	C2A-C1A-CHA	2.27	127.82	123.86
14	G	1130	CLA	O2A-CGA-O1A	-2.27	117.87	123.59
17	r	524	BCR	C1-C6-C5	-2.27	119.42	122.61
17	c	521	BCR	C15-C16-C17	-2.27	118.83	123.47
14	2	511	CLA	C1B-CHB-C4A	-2.27	125.63	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1204	CLA	O2D-CGD-CBD	2.27	115.30	111.27
14	G	1237	CLA	O2D-CGD-CBD	2.27	115.30	111.27
20	l	5104	LMG	O2-C2-C1	-2.27	104.54	110.05
14	A	1129	CLA	C2D-C1D-ND	-2.27	108.43	110.10
17	2	524	BCR	C1-C6-C5	-2.27	119.42	122.61
14	s	516	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
14	3	502	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	2	501	CLA	CAA-C2A-C3A	-2.27	106.57	112.78
17	H	4014	BCR	C38-C26-C25	2.27	127.07	124.53
17	B	4006	BCR	C28-C27-C26	-2.26	110.03	114.08
14	G	1011	CLA	OBD-CAD-C3D	2.26	133.97	128.52
21	B	1852	SQD	O48-C23-O10	-2.26	117.88	123.59
14	A	1011	CLA	CMD-C2D-C3D	2.26	132.82	127.61
17	G	4008	BCR	C20-C19-C18	-2.26	120.06	126.42
14	r	501	CLA	CAA-C2A-C3A	-2.26	106.58	112.78
14	A	1108	CLA	O2D-CGD-CBD	2.26	115.29	111.27
14	B	1239	CLA	O2D-CGD-CBD	2.26	115.29	111.27
14	e	1101	CLA	C1B-CHB-C4A	-2.26	125.63	130.12
17	b	521	BCR	C29-C30-C25	2.26	113.97	110.48
14	e	1103	CLA	CAA-CBA-CGA	-2.26	106.64	113.25
14	F	1302	CLA	CMB-C2B-C3B	2.26	128.91	124.68
17	a	522	BCR	C21-C20-C19	-2.26	116.16	123.22
14	t	516	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	f	1239	CLA	O2D-CGD-CBD	2.26	115.29	111.27
14	s	510	CLA	O2A-CGA-O1A	-2.26	117.66	123.30
14	H	1231	CLA	CHD-C1D-ND	-2.26	122.38	124.45
14	G	1110	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	b	516	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
14	G	1022	CLA	CAA-CBA-CGA	-2.26	106.65	113.25
14	e	1022	CLA	CAA-CBA-CGA	-2.26	106.65	113.25
18	f	1855	LHG	C11-C10-C9	-2.26	102.95	114.42
14	H	1221	CLA	C2A-C1A-CHA	2.26	127.81	123.86
14	e	1011	CLA	CMD-C2D-C3D	2.26	132.81	127.61
14	A	1237	CLA	O2D-CGD-CBD	2.26	115.28	111.27
17	5	521	BCR	C15-C16-C17	-2.26	118.85	123.47
19	e	1849	LMU	C3'-C4'-C5'	2.26	114.27	110.24
14	f	1023	CLA	CMD-C2D-C3D	2.26	132.81	127.61
14	A	1022	CLA	CAA-CBA-CGA	-2.26	106.65	113.25
17	f	4006	BCR	C28-C27-C26	-2.26	110.05	114.08
14	t	507	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	R	1302	CLA	CMB-C2B-C3B	2.26	128.90	124.68
14	H	1208	CLA	CHB-C4A-NA	2.26	127.63	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	H	1852	SQD	O48-C23-O10	-2.26	117.90	123.59
14	T	1303	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	r	511	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	f	1221	CLA	C2A-C1A-CHA	2.26	127.81	123.86
18	B	1855	LHG	C11-C10-C9	-2.26	102.97	114.42
17	v	523	BCR	C33-C5-C4	2.26	117.95	113.62
21	f	1852	SQD	O48-C23-O10	-2.26	117.90	123.59
17	u	521	BCR	C15-C16-C17	-2.26	118.85	123.47
14	4	516	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	f	1224	CLA	C1-C2-C3	-2.26	122.14	126.04
14	a	502	CLA	CMB-C2B-C3B	2.26	128.90	124.68
21	H	1852	SQD	O6-C1-C2	2.26	111.83	108.30
14	2	503	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
17	e	4002	BCR	C38-C26-C27	2.26	117.95	113.62
17	T	4012	BCR	C28-C27-C26	-2.26	110.05	114.08
14	A	1101	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	H	1208	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	f	1202	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
14	G	1129	CLA	C2D-C1D-ND	-2.25	108.44	110.10
14	H	1224	CLA	C1-C2-C3	-2.25	122.14	126.04
14	G	1107	CLA	CAA-CBA-CGA	-2.25	106.67	113.25
14	f	1204	CLA	O2D-CGD-CBD	2.25	115.27	111.27
14	d	502	CLA	CAA-C2A-C3A	-2.25	106.61	112.78
21	H	1852	SQD	C4-C3-C2	2.25	114.76	110.82
14	b	507	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	t	518	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	2	512	CLA	CHB-C4A-NA	2.25	127.63	124.51
14	V	1501	CLA	CAA-C2A-C3A	-2.25	106.61	112.78
14	H	1226	CLA	CHC-C1C-NC	2.25	127.62	124.20
14	B	1208	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	A	1134	CLA	C4-C3-C5	2.25	119.06	115.27
14	Z	518	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
18	H	1855	LHG	C11-C10-C9	-2.25	102.99	114.42
17	J	4012	BCR	C28-C27-C26	-2.25	110.06	114.08
15	e	2001	PQN	C21-C20-C18	-2.25	108.64	115.92
14	B	1239	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
14	B	1224	CLA	C1-C2-C3	-2.25	122.15	126.04
17	l	4012	BCR	C28-C27-C26	-2.25	110.06	114.08
17	L	4219	BCR	C24-C23-C22	-2.25	122.83	126.23
14	B	1231	CLA	CHD-C1D-ND	-2.25	122.39	124.45
14	m	1401	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
14	2	502	CLA	CMB-C2B-C3B	2.25	128.89	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1023	CLA	CMD-C2D-C3D	2.25	132.79	127.61
14	L	1501	CLA	CAA-C2A-C3A	-2.25	106.62	112.78
14	H	1023	CLA	CMD-C2D-C3D	2.25	132.79	127.61
17	n	4219	BCR	C24-C23-C22	-2.25	122.84	126.23
14	6	502	CLA	CAA-C2A-C3A	-2.25	106.62	112.78
14	f	1208	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	r	502	CLA	CMB-C2B-C3B	2.25	128.89	124.68
15	A	2001	PQN	C21-C20-C18	-2.25	108.65	115.92
17	n	4020	BCR	C21-C20-C19	-2.25	116.20	123.22
14	n	1501	CLA	CAA-C2A-C3A	-2.25	106.62	112.78
14	4	507	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	G	1103	CLA	C3C-C4C-NC	-2.25	108.05	110.57
14	f	1239	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
21	q	822	SQD	O48-C23-C24	2.25	118.96	111.91
14	A	1107	CLA	CAA-CBA-CGA	-2.25	106.69	113.25
18	H	1855	LHG	C18-C17-C16	-2.25	103.02	114.42
14	l	1303	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
14	r	503	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
14	G	1134	CLA	C4-C3-C5	2.25	119.05	115.27
14	e	1011	CLA	OBD-CAD-C3D	2.25	133.93	128.52
17	L	4020	BCR	C21-C20-C19	-2.25	116.21	123.22
14	L	1501	CLA	C2A-C1A-CHA	2.25	127.79	123.86
17	A	4002	BCR	C38-C26-C27	2.25	117.93	113.62
14	A	1011	CLA	OBD-CAD-C3D	2.25	133.92	128.52
17	V	4020	BCR	C21-C20-C19	-2.24	116.21	123.22
14	A	1130	CLA	O2A-CGA-O1A	-2.24	117.93	123.59
17	G	4002	BCR	C38-C26-C27	2.24	117.93	113.62
20	f	5002	LMG	C35-C34-C33	-2.24	103.03	114.42
14	A	1110	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
14	B	1202	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
21	Y	822	SQD	O48-C23-C24	2.24	118.95	111.91
14	m	1105	CLA	O2D-CGD-CBD	2.24	115.25	111.27
18	f	1855	LHG	C18-C17-C16	-2.24	103.04	114.42
20	B	5002	LMG	C35-C34-C33	-2.24	103.04	114.42
18	B	1855	LHG	C18-C17-C16	-2.24	103.04	114.42
14	G	1101	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	A	1121	CLA	C2D-C1D-ND	-2.24	108.45	110.10
14	J	1303	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	e	1107	CLA	CAA-CBA-CGA	-2.24	106.70	113.25
17	V	4219	BCR	C24-C23-C22	-2.24	122.85	126.23
15	G	2001	PQN	C21-C20-C18	-2.24	108.68	115.92
17	H	4014	BCR	C8-C9-C10	-2.24	115.50	118.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	H	4006	BCR	C28-C27-C26	-2.24	110.08	114.08
14	s	503	CLA	CAA-CBA-CGA	-2.24	106.56	112.51
14	B	1236	CLA	CHB-C4A-NA	2.24	127.61	124.51
22	p	170	FMN	C9A-C5A-N5	-2.24	120.00	122.43
14	e	1134	CLA	C4-C3-C5	2.24	119.04	115.27
17	d	522	BCR	C21-C20-C19	-2.24	116.23	123.22
14	U	1105	CLA	O2D-CGD-CBD	2.24	115.25	111.27
21	B	1852	SQD	O6-C1-C2	2.24	111.80	108.30
14	H	1202	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
17	B	4009	BCR	C1-C6-C5	-2.24	119.46	122.61
14	H	1220	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
22	P	170	FMN	C9A-C5A-N5	-2.24	120.00	122.43
14	B	1226	CLA	CHC-C1C-NC	2.24	127.60	124.20
17	e	4011	BCR	C23-C24-C25	-2.24	120.92	127.20
20	H	5002	LMG	C35-C34-C33	-2.24	103.07	114.42
17	v	522	BCR	C21-C20-C19	-2.24	116.24	123.22
17	Z	524	BCR	C1-C6-C5	-2.24	119.47	122.61
17	6	522	BCR	C21-C20-C19	-2.23	116.24	123.22
14	3	503	CLA	CAA-CBA-CGA	-2.23	106.58	112.51
14	Z	507	CLA	CAA-C2A-C3A	-2.23	106.66	112.78
14	n	1501	CLA	C2A-C1A-CHA	2.23	127.77	123.86
14	Y	508	CLA	CHC-C1C-NC	2.23	127.59	124.20
14	K	1105	CLA	O2D-CGD-CBD	2.23	115.24	111.27
14	r	504	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
14	t	509	CLA	C2A-C1A-CHA	2.23	127.76	123.86
17	H	4009	BCR	C1-C6-C5	-2.23	119.47	122.61
14	2	518	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
14	d	511	CLA	C1B-CHB-C4A	-2.23	125.69	130.12
14	v	502	CLA	CAA-C2A-C3A	-2.23	106.67	112.78
14	e	1121	CLA	C2A-C1A-CHA	2.23	127.76	123.86
14	j	1302	CLA	CMB-C2B-C3B	2.23	128.85	124.68
21	l	822	SQD	O48-C23-C24	2.23	118.91	111.91
14	v	511	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
14	G	1121	CLA	C2D-C1D-ND	-2.23	108.46	110.10
17	s	524	BCR	C38-C26-C27	2.23	117.90	113.62
14	d	502	CLA	CMB-C2B-C3B	2.23	128.85	124.68
14	H	1211	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
14	f	1220	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
14	A	1132	CLA	C2D-C1D-ND	-2.23	108.46	110.10
14	A	1121	CLA	C2A-C1A-CHA	2.23	127.76	123.86
14	f	1226	CLA	CHC-C1C-NC	2.23	127.58	124.20
14	2	507	CLA	CAA-C2A-C3A	-2.23	106.67	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	G	4011	BCR	C23-C24-C25	-2.23	120.94	127.20
17	c	522	BCR	C3-C4-C5	-2.23	110.10	114.08
17	B	4005	BCR	C21-C20-C19	-2.23	116.26	123.22
17	B	4006	BCR	C29-C30-C25	2.23	113.91	110.48
14	B	1220	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
17	H	4005	BCR	C21-C20-C19	-2.23	116.27	123.22
14	6	511	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
14	b	509	CLA	C2A-C1A-CHA	2.23	127.75	123.86
17	A	4011	BCR	C23-C24-C25	-2.23	120.95	127.20
22	X	170	FMN	C9A-C5A-N5	-2.23	120.01	122.43
21	H	1852	SQD	C44-O6-C1	2.23	118.09	113.74
14	r	518	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
14	s	507	CLA	O2A-CGA-O1A	-2.23	117.75	123.30
14	V	1501	CLA	C2A-C1A-CHA	2.23	127.75	123.86
14	v	502	CLA	CMB-C2B-C3B	2.23	128.84	124.68
14	r	507	CLA	CAA-C2A-C3A	-2.23	106.68	112.78
14	d	511	CLA	CHD-C1D-ND	-2.23	122.41	124.45
14	f	1211	CLA	O2A-CGA-O1A	-2.23	117.98	123.59
14	u	502	CLA	CMB-C2B-C3B	2.22	128.84	124.68
17	o	4021	BCR	C8-C7-C6	-2.22	120.96	127.20
17	f	4014	BCR	C8-C9-C10	-2.22	115.53	118.94
14	l	1302	CLA	O2D-CGD-CBD	2.22	115.22	111.27
14	Z	502	CLA	CMB-C2B-C3B	2.22	128.84	124.68
17	Y	522	BCR	C1-C6-C5	-2.22	119.48	122.61
17	5	521	BCR	C31-C1-C6	-2.22	106.69	110.30
17	u	521	BCR	C31-C1-C6	-2.22	106.69	110.30
14	f	1208	CLA	CHB-C4A-NA	2.22	127.59	124.51
14	u	512	CLA	CHB-C4A-NA	2.22	127.59	124.51
14	K	1401	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
14	e	1119	CLA	C2D-C1D-ND	-2.22	108.47	110.10
17	Y	522	BCR	C21-C20-C19	-2.22	116.28	123.22
18	G	5006	LHG	C27-C26-C25	-2.22	103.14	114.42
17	B	4014	BCR	C8-C9-C10	-2.22	115.53	118.94
20	J	5104	LMG	C1-C2-C3	-2.22	105.37	110.00
20	T	5104	LMG	C1-C2-C3	-2.22	105.37	110.00
14	l	508	CLA	CHC-C1C-NC	2.22	127.57	124.20
17	f	4005	BCR	C21-C20-C19	-2.22	116.29	123.22
17	H	4006	BCR	C29-C30-C25	2.22	113.90	110.48
14	H	1236	CLA	CHB-C4A-NA	2.22	127.58	124.51
17	c	521	BCR	C31-C1-C6	-2.22	106.70	110.30
14	4	509	CLA	C2A-C1A-CHA	2.22	127.74	123.86
17	f	4009	BCR	C1-C6-C5	-2.22	119.49	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1121	CLA	C2A-C1A-CHA	2.22	127.74	123.86
14	G	1104	CLA	CHD-C1D-ND	-2.22	122.41	124.45
14	a	503	CLA	CAA-CBA-CGA	-2.22	106.62	112.51
18	e	5006	LHG	C27-C26-C25	-2.22	103.16	114.42
17	f	4009	BCR	C36-C18-C19	2.22	121.57	118.08
14	6	511	CLA	CHD-C1D-ND	-2.22	122.42	124.45
17	M	4021	BCR	C8-C7-C6	-2.22	120.97	127.20
17	b	522	BCR	C11-C12-C13	-2.22	120.19	126.42
14	Z	504	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
18	A	5006	LHG	C27-C26-C25	-2.22	103.17	114.42
17	a	523	BCR	C11-C12-C13	-2.22	120.19	126.42
17	H	4009	BCR	C36-C18-C19	2.22	121.57	118.08
14	s	505	CLA	C2D-C1D-ND	-2.22	108.47	110.10
14	c	512	CLA	CHB-C4A-NA	2.22	127.58	124.51
17	1	522	BCR	C21-C20-C19	-2.22	116.30	123.22
17	q	522	BCR	C21-C20-C19	-2.22	116.30	123.22
20	l	5104	LMG	C1-C2-C3	-2.22	105.38	110.00
14	q	508	CLA	CHC-C1C-NC	2.22	127.57	124.20
14	U	1401	CLA	O2A-CGA-O1A	-2.22	118.00	123.59
14	6	502	CLA	CMB-C2B-C3B	2.22	128.82	124.68
14	B	1208	CLA	CHB-C4A-NA	2.22	127.58	124.51
14	2	504	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
17	t	522	BCR	C11-C12-C13	-2.22	120.19	126.42
21	f	1852	SQD	O6-C1-C2	2.22	111.76	108.30
17	5	522	BCR	C3-C4-C5	-2.22	110.12	114.08
17	t	523	BCR	C7-C8-C9	-2.22	122.89	126.23
14	t	503	CLA	C2A-C1A-CHA	2.21	127.73	123.86
14	e	1103	CLA	C3C-C4C-NC	-2.21	108.09	110.57
14	B	1211	CLA	O2A-CGA-O1A	-2.21	118.00	123.59
17	u	522	BCR	C3-C4-C5	-2.21	110.12	114.08
14	B	1209	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
21	q	822	SQD	O6-C1-C2	2.21	111.76	108.30
14	f	1209	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
17	4	522	BCR	C11-C12-C13	-2.21	120.20	126.42
14	H	1213	CLA	C1B-CHB-C4A	-2.21	125.73	130.12
14	G	1130	CLA	C2D-C1D-ND	-2.21	108.47	110.10
14	A	1103	CLA	C3C-C4C-NC	-2.21	108.09	110.57
14	3	516	CLA	O2A-CGA-O1A	-2.21	117.78	123.30
14	r	508	CLA	O2A-CGA-O1A	-2.21	117.78	123.30
17	V	4219	BCR	C4-C5-C6	-2.21	119.52	122.73
17	B	4009	BCR	C36-C18-C19	2.21	121.56	118.08
14	Y	518	CLA	C1B-CHB-C4A	-2.21	125.74	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1213	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
14	A	1104	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	a	516	CLA	O2A-CGA-O1A	-2.21	117.79	123.30
17	A	4011	BCR	C8-C9-C10	2.21	122.33	118.94
14	b	503	CLA	C2A-C1A-CHA	2.21	127.72	123.86
17	3	523	BCR	C11-C12-C13	-2.21	120.21	126.42
14	c	502	CLA	CMB-C2B-C3B	2.21	128.81	124.68
18	e	5008	LHG	C11-C10-C9	-2.21	103.22	114.42
17	V	4019	BCR	C15-C16-C17	-2.21	118.95	123.47
14	5	502	CLA	CMB-C2B-C3B	2.21	128.81	124.68
17	b	523	BCR	C7-C8-C9	-2.21	122.90	126.23
14	e	1104	CLA	CHD-C1D-ND	-2.21	122.43	124.45
18	A	5008	LHG	C11-C10-C9	-2.21	103.23	114.42
14	v	511	CLA	CHD-C1D-ND	-2.20	122.43	124.45
18	G	5008	LHG	C11-C10-C9	-2.20	103.23	114.42
17	q	523	BCR	C8-C7-C6	-2.20	121.01	127.20
17	4	523	BCR	C7-C8-C9	-2.20	122.91	126.23
14	Z	512	CLA	CHB-C4A-NA	2.20	127.56	124.51
17	b	523	BCR	C36-C18-C19	2.20	121.55	118.08
14	s	516	CLA	O2A-CGA-O1A	-2.20	117.81	123.30
17	3	524	BCR	C38-C26-C27	2.20	117.85	113.62
14	e	1121	CLA	C2D-C1D-ND	-2.20	108.48	110.10
14	B	1221	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
14	f	1221	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
14	m	1103	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
21	1	822	SQD	O6-C1-C2	2.20	111.74	108.30
14	5	502	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
14	u	502	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
14	G	1132	CLA	C2D-C1D-ND	-2.20	108.48	110.10
14	B	1021	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
14	4	503	CLA	C2A-C1A-CHA	2.20	127.71	123.86
14	3	507	CLA	O2A-CGA-O1A	-2.20	117.81	123.30
14	5	512	CLA	CHB-C4A-NA	2.20	127.56	124.51
14	A	1104	CLA	O1D-CGD-CBD	2.20	128.99	124.48
17	d	521	BCR	C2-C1-C6	2.20	113.87	110.48
17	e	4011	BCR	C8-C9-C10	2.20	122.32	118.94
17	q	522	BCR	C1-C6-C5	-2.20	119.52	122.61
17	4	523	BCR	C36-C18-C19	2.20	121.54	118.08
17	H	4014	BCR	C31-C1-C6	-2.20	106.73	110.30
14	H	1209	CLA	C2A-C1A-CHA	2.20	127.70	123.86
17	G	4011	BCR	C8-C9-C10	2.20	122.32	118.94
17	G	4003	BCR	C8-C7-C6	-2.20	121.03	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	t	523	BCR	C36-C18-C19	2.20	121.54	118.08
14	f	1223	CLA	C1-C2-C3	-2.20	122.24	126.04
17	s	523	BCR	C11-C12-C13	-2.20	120.24	126.42
17	2	521	BCR	C15-C16-C17	-2.20	118.97	123.47
17	l	4012	BCR	C23-C24-C25	-2.20	121.03	127.20
17	W	4021	BCR	C8-C7-C6	-2.20	121.03	127.20
21	Y	822	SQD	O6-C1-C2	2.20	111.73	108.30
14	J	1302	CLA	O2D-CGD-CBD	2.20	115.17	111.27
14	A	1011	CLA	CHA-C1A-NA	-2.20	121.36	126.40
17	a	524	BCR	C38-C26-C27	2.20	117.84	113.62
14	U	1103	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
21	B	1852	SQD	C44-O6-C1	2.20	118.03	113.74
14	e	1104	CLA	O1D-CGD-CBD	2.20	128.98	124.48
17	4	522	BCR	C3-C4-C5	-2.20	110.15	114.08
14	Z	508	CLA	O2A-CGA-O1A	-2.20	117.82	123.30
17	f	4006	BCR	C29-C30-C25	2.20	113.86	110.48
14	c	502	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
19	H	1843	LMU	O1'-C1'-C2'	2.20	111.73	108.30
14	f	1021	CLA	C1B-CHB-C4A	-2.20	125.77	130.12
18	L	5221	LHG	C27-C26-C25	-2.20	103.28	114.42
14	f	1209	CLA	C2A-C1A-CHA	2.20	127.70	123.86
17	J	4012	BCR	C23-C24-C25	-2.20	121.04	127.20
17	e	4003	BCR	C8-C7-C6	-2.20	121.04	127.20
14	f	1213	CLA	C1B-CHB-C4A	-2.19	125.77	130.12
14	G	1136	CLA	C7-C6-C5	-2.19	107.40	113.36
18	S	5001	LHG	C11-C10-C9	-2.19	103.29	114.42
18	n	5221	LHG	C27-C26-C25	-2.19	103.29	114.42
19	B	1843	LMU	O1'-C1'-C2'	2.19	111.73	108.30
17	Y	523	BCR	C8-C7-C6	-2.19	121.04	127.20
17	r	521	BCR	C15-C16-C17	-2.19	118.98	123.47
17	l	522	BCR	C1-C6-C5	-2.19	119.53	122.61
17	b	522	BCR	C3-C4-C5	-2.19	110.16	114.08
14	A	1136	CLA	C7-C6-C5	-2.19	107.41	113.36
17	Z	523	BCR	C37-C22-C23	2.19	121.53	118.08
14	l	518	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
14	G	1118	CLA	C2A-C1A-CHA	2.19	127.69	123.86
14	G	1104	CLA	O1D-CGD-CBD	2.19	128.97	124.48
14	A	1013	CLA	O2D-CGD-CBD	2.19	115.16	111.27
14	T	1302	CLA	O2D-CGD-CBD	2.19	115.16	111.27
14	2	502	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
14	H	1021	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
17	l	523	BCR	C8-C7-C6	-2.19	121.05	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	T	4012	BCR	C23-C24-C25	-2.19	121.05	127.20
17	B	4014	BCR	C31-C1-C6	-2.19	106.75	110.30
17	l	4013	BCR	C23-C22-C21	2.19	122.30	118.94
14	B	1209	CLA	C2A-C1A-CHA	2.19	127.69	123.86
14	B	1223	CLA	C1-C2-C3	-2.19	122.26	126.04
17	G	4007	BCR	C4-C5-C6	-2.19	119.55	122.73
17	A	4003	BCR	C8-C7-C6	-2.19	121.05	127.20
14	e	1013	CLA	O2D-CGD-CBD	2.19	115.16	111.27
14	H	1209	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
17	B	4004	BCR	C8-C7-C6	-2.19	121.06	127.20
17	G	4007	BCR	C2-C1-C6	2.19	113.85	110.48
14	q	518	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
14	s	511	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
14	H	1221	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
17	e	4007	BCR	C33-C5-C4	2.19	117.82	113.62
17	Z	521	BCR	C15-C16-C17	-2.19	118.99	123.47
17	t	522	BCR	C3-C4-C5	-2.19	110.17	114.08
14	2	508	CLA	O2A-CGA-O1A	-2.19	117.85	123.30
17	L	4219	BCR	C4-C5-C6	-2.19	119.56	122.73
17	d	523	BCR	C16-C15-C14	-2.19	119.00	123.47
17	q	522	BCR	C36-C18-C19	2.19	121.52	118.08
17	J	4013	BCR	C23-C22-C21	2.19	122.30	118.94
14	e	1136	CLA	C7-C6-C5	-2.19	107.42	113.36
14	4	517	CLA	C1B-CHB-C4A	-2.19	125.79	130.12
17	J	4012	BCR	C10-C11-C12	-2.19	116.40	123.22
17	l	4012	BCR	C10-C11-C12	-2.19	116.40	123.22
14	b	517	CLA	C1B-CHB-C4A	-2.19	125.79	130.12
14	c	507	CLA	O2A-CGA-O1A	-2.18	117.85	123.30
17	f	4014	BCR	C31-C1-C6	-2.18	106.75	110.30
14	e	1132	CLA	C2D-C1D-ND	-2.18	108.49	110.10
14	K	1103	CLA	C1B-CHB-C4A	-2.18	125.79	130.12
14	a	511	CLA	C1B-CHB-C4A	-2.18	125.79	130.12
18	V	5221	LHG	C27-C26-C25	-2.18	103.33	114.42
17	t	523	BCR	C8-C7-C6	-2.18	121.07	127.20
18	I	5001	LHG	C11-C10-C9	-2.18	103.34	114.42
20	f	5002	LMG	O7-C10-O9	-2.18	118.42	123.70
17	T	4013	BCR	C23-C22-C21	2.18	122.29	118.94
17	6	523	BCR	C16-C15-C14	-2.18	119.00	123.47
14	G	1013	CLA	O2D-CGD-CBD	2.18	115.15	111.27
14	a	507	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
14	a	512	CLA	CHB-C4A-NA	2.18	127.53	124.51
17	V	4219	BCR	C19-C18-C17	-2.18	115.59	118.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	v	509	CLA	C1B-CHB-C4A	-2.18	125.79	130.12
18	G	5004	LHG	C11-C10-C9	-2.18	103.34	114.42
14	B	1226	CLA	CHA-C4D-ND	2.18	137.06	132.50
14	G	1121	CLA	C1B-CHB-C4A	-2.18	125.79	130.12
17	4	523	BCR	C8-C7-C6	-2.18	121.07	127.20
17	6	521	BCR	C2-C1-C6	2.18	113.84	110.48
17	G	4002	BCR	C31-C1-C6	-2.18	106.76	110.30
14	u	507	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
18	k	5001	LHG	C11-C10-C9	-2.18	103.35	114.42
14	e	1011	CLA	CHA-C1A-NA	-2.18	121.40	126.40
14	e	1127	CLA	C2A-C1A-CHA	2.18	127.67	123.86
14	r	502	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
17	v	522	BCR	C2-C3-C4	-2.18	106.50	111.38
14	5	507	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
14	A	1118	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
14	u	501	CLA	CAA-C2A-C3A	-2.18	106.81	112.78
17	T	4012	BCR	C10-C11-C12	-2.18	116.41	123.22
14	3	511	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
17	A	4002	BCR	C31-C1-C6	-2.18	106.76	110.30
14	Z	502	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
14	d	502	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
14	A	1127	CLA	C2A-C1A-CHA	2.18	127.67	123.86
14	e	1122	CLA	C2A-C1A-CHA	2.18	127.67	123.86
21	f	1852	SQD	C44-O6-C1	2.18	117.99	113.74
17	H	4004	BCR	C8-C7-C6	-2.18	121.08	127.20
14	f	1238	CLA	C2D-C1D-ND	-2.18	108.50	110.10
17	A	4007	BCR	C30-C25-C26	-2.18	119.55	122.61
17	n	4219	BCR	C4-C5-C6	-2.18	119.57	122.73
14	6	509	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
14	H	1217	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
17	A	4007	BCR	C33-C5-C4	2.18	117.80	113.62
20	B	5002	LMG	O7-C10-O9	-2.18	118.44	123.70
14	G	1137	CLA	C3A-C2A-C1A	2.18	104.60	101.34
17	5	522	BCR	C27-C26-C25	-2.18	119.57	122.73
14	H	1216	CLA	CMB-C2B-C3B	2.18	128.75	124.68
14	A	1117	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	A	1128	CLA	C2D-C1D-ND	-2.18	108.50	110.10
17	b	523	BCR	C8-C7-C6	-2.17	121.09	127.20
14	t	507	CLA	O2D-CGD-CBD	2.17	115.13	111.27
18	A	5004	LHG	C11-C10-C9	-2.17	103.39	114.42
17	n	4219	BCR	C29-C28-C27	-2.17	106.52	111.38
17	q	522	BCR	C15-C16-C17	-2.17	119.02	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	e	5004	LHG	C11-C10-C9	-2.17	103.39	114.42
17	G	4007	BCR	C16-C15-C14	-2.17	119.02	123.47
17	V	4219	BCR	C29-C28-C27	-2.17	106.52	111.38
14	5	501	CLA	CAA-C2A-C3A	-2.17	106.83	112.78
14	A	1101	CLA	C1-C2-C3	-2.17	122.28	126.04
14	e	1101	CLA	C1-C2-C3	-2.17	122.28	126.04
17	u	522	BCR	C27-C26-C25	-2.17	119.58	122.73
17	v	523	BCR	C16-C15-C14	-2.17	119.02	123.47
14	G	1011	CLA	CHA-C1A-NA	-2.17	121.42	126.40
14	f	1226	CLA	CHA-C4D-ND	2.17	137.04	132.50
17	A	4007	BCR	C2-C1-C6	2.17	113.83	110.48
14	A	1121	CLA	C1B-CHB-C4A	-2.17	125.81	130.12
14	B	1217	CLA	C1B-CHB-C4A	-2.17	125.81	130.12
14	A	1121	CLA	CHA-C1A-NA	-2.17	121.42	126.40
14	G	1121	CLA	CHA-C1A-NA	-2.17	121.42	126.40
14	v	502	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
17	6	522	BCR	C2-C3-C4	-2.17	106.53	111.38
20	H	5002	LMG	O7-C10-O9	-2.17	118.45	123.70
14	H	1223	CLA	C1-C2-C3	-2.17	122.29	126.04
17	U	4104	BCR	C30-C25-C24	2.17	121.92	115.78
17	L	4019	BCR	C15-C16-C17	-2.17	119.03	123.47
17	n	4019	BCR	C15-C16-C17	-2.17	119.03	123.47
17	H	4006	BCR	C10-C11-C12	-2.17	116.44	123.22
14	t	517	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
17	e	4002	BCR	C31-C1-C6	-2.17	106.78	110.30
17	2	523	BCR	C37-C22-C23	2.17	121.50	118.08
14	A	1122	CLA	C2A-C1A-CHA	2.17	127.65	123.86
14	G	1118	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
14	G	1117	CLA	CHB-C4A-NA	2.17	127.51	124.51
17	e	4007	BCR	C30-C25-C26	-2.17	119.56	122.61
14	6	502	CLA	C1B-CHB-C4A	-2.17	125.82	130.12
14	H	1226	CLA	CMC-C2C-C1C	-2.17	121.74	125.04
14	c	501	CLA	CAA-C2A-C3A	-2.17	106.84	112.78
18	G	5005	LHG	C27-C26-C25	-2.17	103.42	114.42
18	G	5003	LHG	C27-C26-C25	-2.17	103.42	114.42
18	A	5005	LHG	C27-C26-C25	-2.17	103.42	114.42
17	q	522	BCR	C16-C17-C18	-2.17	124.22	127.31
18	e	5003	LHG	C27-C26-C25	-2.17	103.43	114.42
17	A	4007	BCR	C4-C5-C6	-2.17	119.59	122.73
18	n	5221	LHG	C18-C17-C16	-2.17	103.43	114.42
17	f	4004	BCR	C8-C7-C6	-2.17	121.12	127.20
14	G	1127	CLA	C2A-C1A-CHA	2.17	127.65	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	v	521	BCR	C2-C1-C6	2.17	113.81	110.48
14	B	1238	CLA	C2D-C1D-ND	-2.17	108.51	110.10
14	d	505	CLA	C2D-C1D-ND	-2.17	108.51	110.10
14	B	1226	CLA	CMC-C2C-C1C	-2.17	121.74	125.04
14	A	1137	CLA	C3A-C2A-C1A	2.16	104.58	101.34
14	A	1130	CLA	C2D-C1D-ND	-2.16	108.51	110.10
18	A	5003	LHG	C27-C26-C25	-2.16	103.44	114.42
17	c	522	BCR	C27-C26-C25	-2.16	119.59	122.73
17	B	4006	BCR	C10-C11-C12	-2.16	116.46	123.22
18	e	5005	LHG	C27-C26-C25	-2.16	103.44	114.42
14	e	1013	CLA	C2C-C1C-NC	-2.16	107.94	109.97
14	l	507	CLA	CHA-C1A-NA	-2.16	121.44	126.40
17	s	522	BCR	C27-C26-C25	-2.16	119.59	122.73
14	A	1107	CLA	O2D-CGD-O1D	-2.16	119.61	123.84
14	e	1128	CLA	C2D-C1D-ND	-2.16	108.51	110.10
14	q	503	CLA	C2A-C1A-CHA	2.16	127.64	123.86
17	G	4007	BCR	C33-C5-C4	2.16	117.77	113.62
14	G	1112	CLA	C2A-C1A-CHA	2.16	127.64	123.86
14	H	1226	CLA	CHA-C4D-ND	2.16	137.02	132.50
17	l	522	BCR	C36-C18-C19	2.16	121.48	118.08
17	m	4104	BCR	C30-C25-C24	2.16	121.89	115.78
14	U	1401	CLA	CAA-CBA-CGA	-2.16	106.94	113.25
14	e	1118	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
14	e	1121	CLA	CHA-C1A-NA	-2.16	121.45	126.40
14	B	1023	CLA	CAC-C3C-C2C	-2.16	123.83	127.53
14	d	509	CLA	C1B-CHB-C4A	-2.16	125.84	130.12
14	m	1401	CLA	CAA-CBA-CGA	-2.16	106.94	113.25
14	A	1118	CLA	C2A-C1A-CHA	2.16	127.64	123.86
14	K	1401	CLA	CAA-CBA-CGA	-2.16	106.94	113.25
17	d	522	BCR	C2-C3-C4	-2.16	106.55	111.38
17	G	4007	BCR	C30-C25-C26	-2.16	119.57	122.61
17	K	4104	BCR	C30-C25-C24	2.16	121.89	115.78
19	f	1843	LMU	O1'-C1'-C2'	2.16	111.67	108.30
14	H	1023	CLA	CAC-C3C-C2C	-2.16	123.84	127.53
14	B	1219	CLA	C2D-C1D-ND	-2.16	108.51	110.10
17	e	4007	BCR	C4-C5-C6	-2.16	119.60	122.73
17	e	4007	BCR	C2-C1-C6	2.16	113.80	110.48
17	r	523	BCR	C37-C22-C23	2.16	121.48	118.08
18	L	5221	LHG	C18-C17-C16	-2.16	103.47	114.42
18	V	5221	LHG	C18-C17-C16	-2.16	103.47	114.42
14	f	1023	CLA	CAC-C3C-C2C	-2.16	123.84	127.53
14	G	1107	CLA	O2D-CGD-O1D	-2.16	119.62	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1226	CLA	CMC-C2C-C1C	-2.16	121.75	125.04
14	2	510	CLA	C1B-CHB-C4A	-2.16	125.84	130.12
17	f	4006	BCR	C10-C11-C12	-2.16	116.48	123.22
14	A	1112	CLA	C2A-C1A-CHA	2.16	127.63	123.86
14	s	512	CLA	CHB-C4A-NA	2.16	127.50	124.51
14	f	1216	CLA	CMB-C2B-C3B	2.16	128.71	124.68
14	B	1216	CLA	CMB-C2B-C3B	2.16	128.71	124.68
14	m	1103	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	H	1219	CLA	C2D-C1D-ND	-2.16	108.52	110.10
14	q	507	CLA	CHA-C1A-NA	-2.16	121.46	126.40
14	e	1118	CLA	C2A-C1A-CHA	2.16	127.63	123.86
14	5	508	CLA	CHC-C1C-NC	2.16	127.47	124.20
14	H	1228	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
17	J	4013	BCR	C29-C30-C25	2.16	113.80	110.48
14	K	1103	CLA	O2A-CGA-O1A	-2.15	118.15	123.59
17	t	524	BCR	C28-C27-C26	-2.15	110.23	114.08
14	u	508	CLA	CHC-C1C-NC	2.15	127.47	124.20
17	L	4219	BCR	C29-C28-C27	-2.15	106.56	111.38
14	4	507	CLA	O2D-CGD-CBD	2.15	115.09	111.27
17	u	523	BCR	C34-C9-C8	2.15	121.47	118.08
17	a	523	BCR	C3-C4-C5	-2.15	110.23	114.08
17	L	4219	BCR	C19-C18-C17	-2.15	115.64	118.94
14	e	1121	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
17	3	523	BCR	C3-C4-C5	-2.15	110.23	114.08
14	H	1226	CLA	C3D-C2D-C1D	2.15	108.77	105.83
14	G	1022	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	f	1217	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
14	Y	507	CLA	CHA-C1A-NA	-2.15	121.47	126.40
14	G	1013	CLA	C2C-C1C-NC	-2.15	107.96	109.97
14	B	1234	CLA	C2A-C1A-CHA	2.15	127.62	123.86
17	f	4014	BCR	C29-C30-C25	2.15	113.79	110.48
14	e	1117	CLA	CHB-C4A-NA	2.15	127.49	124.51
17	s	523	BCR	C3-C4-C5	-2.15	110.24	114.08
14	Y	507	CLA	O2A-CGA-O1A	-2.15	117.94	123.30
14	G	1122	CLA	C2A-C1A-CHA	2.15	127.62	123.86
14	f	1234	CLA	C2A-C1A-CHA	2.15	127.62	123.86
14	G	1101	CLA	C1-C2-C3	-2.15	122.32	126.04
14	d	501	CLA	O2D-CGD-CBD	2.15	115.09	111.27
14	A	1013	CLA	C2C-C1C-NC	-2.15	107.96	109.97
17	Y	522	BCR	C16-C17-C18	-2.15	124.24	127.31
14	d	508	CLA	O2A-CGA-O1A	-2.15	117.94	123.30
17	A	4007	BCR	C16-C15-C14	-2.15	119.07	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Z	510	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
14	H	1216	CLA	C2D-C1D-ND	-2.15	108.52	110.10
14	G	1013	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	H	1218	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	u	503	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	v	507	CLA	CHA-C1A-NA	-2.15	121.48	126.40
17	T	4012	BCR	C2-C1-C6	2.15	113.79	110.48
17	l	522	BCR	C15-C16-C17	-2.15	119.08	123.47
14	r	510	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
17	L	4219	BCR	C16-C15-C14	-2.15	119.08	123.47
14	6	508	CLA	O2A-CGA-O1A	-2.15	117.95	123.30
14	f	1218	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	Z	502	CLA	C2A-C1A-CHA	2.15	127.61	123.86
14	G	1128	CLA	C2D-C1D-ND	-2.15	108.52	110.10
14	a	505	CLA	C2D-C1D-ND	-2.15	108.52	110.10
17	B	4014	BCR	C19-C18-C17	-2.15	115.65	118.94
14	l	1302	CLA	C2A-C1A-CHA	2.15	127.61	123.86
14	f	1226	CLA	C3D-C2D-C1D	2.14	108.76	105.83
17	f	4014	BCR	C19-C18-C17	-2.14	115.65	118.94
14	6	507	CLA	CHA-C1A-NA	-2.14	121.49	126.40
17	Y	522	BCR	C36-C18-C19	2.14	121.45	118.08
14	B	1218	CLA	CHD-C1D-ND	-2.14	122.48	124.45
17	l	4013	BCR	C29-C30-C25	2.14	113.78	110.48
17	V	4219	BCR	C16-C15-C14	-2.14	119.08	123.47
17	r	524	BCR	C15-C16-C17	-2.14	119.08	123.47
14	v	501	CLA	O2D-CGD-CBD	2.14	115.08	111.27
14	H	1234	CLA	C2A-C1A-CHA	2.14	127.61	123.86
17	H	4014	BCR	C19-C18-C17	-2.14	115.65	118.94
14	d	509	CLA	O2A-CGA-O1A	-2.14	117.96	123.30
17	l	524	BCR	C3-C4-C5	-2.14	110.25	114.08
17	B	4014	BCR	C29-C30-C25	2.14	113.78	110.48
17	e	4007	BCR	C16-C15-C14	-2.14	119.09	123.47
14	e	1104	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
17	Y	524	BCR	C3-C4-C5	-2.14	110.25	114.08
14	U	1103	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
17	n	4019	BCR	C38-C26-C27	2.14	117.73	113.62
17	T	4013	BCR	C29-C30-C25	2.14	113.78	110.48
17	Y	522	BCR	C15-C16-C17	-2.14	119.09	123.47
14	c	508	CLA	CHC-C1C-NC	2.14	127.45	124.20
14	J	1302	CLA	C2A-C1A-CHA	2.14	127.60	123.86
14	G	1122	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	H	1238	CLA	O2A-CGA-O1A	-2.14	118.19	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	r	522	BCR	C30-C25-C26	-2.14	119.60	122.61
14	q	504	CLA	CAC-C3C-C4C	2.14	127.58	124.81
17	Y	524	BCR	C10-C11-C12	-2.14	116.55	123.22
17	v	524	BCR	C23-C22-C21	-2.14	115.66	118.94
17	L	4019	BCR	C38-C26-C27	2.14	117.72	113.62
17	3	522	BCR	C27-C26-C25	-2.14	119.63	122.73
14	Z	508	CLA	C2D-C1D-ND	-2.14	108.53	110.10
14	c	504	CLA	C2A-C1A-CHA	2.14	127.60	123.86
19	e	1848	LMU	C2'-C3'-C4'	2.14	114.56	109.68
15	B	2002	PQN	C9-C10-C5	2.14	121.64	119.26
17	Z	524	BCR	C15-C16-C17	-2.14	119.10	123.47
17	G	4002	BCR	C27-C26-C25	-2.14	119.63	122.73
17	t	522	BCR	C27-C26-C25	-2.14	119.63	122.73
14	v	509	CLA	O2A-CGA-O1A	-2.14	117.97	123.30
14	B	1224	CLA	C2A-C1A-CHA	2.14	127.59	123.86
14	e	1107	CLA	O2D-CGD-O1D	-2.14	119.66	123.84
17	V	4019	BCR	C38-C26-C27	2.14	117.72	113.62
17	L	4019	BCR	C21-C20-C19	-2.14	116.55	123.22
17	T	4012	BCR	C15-C14-C13	-2.14	124.26	127.31
14	6	501	CLA	O2D-CGD-CBD	2.14	115.06	111.27
17	b	523	BCR	C8-C9-C10	-2.14	115.66	118.94
17	n	4219	BCR	C19-C18-C17	-2.14	115.66	118.94
14	e	1112	CLA	C2A-C1A-CHA	2.14	127.59	123.86
17	Z	522	BCR	C30-C25-C26	-2.13	119.61	122.61
14	3	505	CLA	C2D-C1D-ND	-2.13	108.53	110.10
14	e	1130	CLA	C2D-C1D-ND	-2.13	108.53	110.10
17	2	524	BCR	C15-C16-C17	-2.13	119.10	123.47
17	Y	524	BCR	C1-C6-C7	2.13	121.82	115.78
14	1	504	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	A	1013	CLA	CHD-C1D-ND	-2.13	122.49	124.45
14	B	1226	CLA	C3D-C2D-C1D	2.13	108.74	105.83
17	4	522	BCR	C27-C26-C25	-2.13	119.63	122.73
14	c	503	CLA	CHD-C1D-ND	-2.13	122.49	124.45
18	f	1855	LHG	C29-C28-C27	-2.13	103.60	114.42
14	A	1101	CLA	CAC-C3C-C4C	2.13	127.58	124.81
17	n	4019	BCR	C21-C20-C19	-2.13	116.56	123.22
14	1	503	CLA	C2A-C1A-CHA	2.13	127.59	123.86
14	f	1206	CLA	C3C-C4C-NC	-2.13	108.18	110.57
14	e	1101	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	a	503	CLA	C2D-C1D-ND	-2.13	108.53	110.10
14	H	1219	CLA	O2D-CGD-CBD	2.13	115.06	111.27
17	q	524	BCR	C3-C4-C5	-2.13	110.27	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	523	BCR	C34-C9-C8	2.13	121.43	118.08
14	b	507	CLA	O2D-CGD-CBD	2.13	115.05	111.27
14	B	1228	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	1	507	CLA	O2A-CGA-O1A	-2.13	117.99	123.30
17	q	524	BCR	C10-C11-C12	-2.13	116.57	123.22
14	f	1228	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	Z	506	CLA	O2A-CGA-O1A	-2.13	117.99	123.30
17	1	524	BCR	C10-C11-C12	-2.13	116.57	123.22
14	G	1108	CLA	C1-C2-C3	-2.13	122.36	126.04
14	5	504	CLA	C1B-CHB-C4A	-2.13	125.90	130.12
17	V	4019	BCR	C21-C20-C19	-2.13	116.57	123.22
17	q	524	BCR	C1-C6-C7	2.13	121.80	115.78
14	6	509	CLA	O2A-CGA-O1A	-2.13	117.99	123.30
18	B	1855	LHG	C29-C28-C27	-2.13	103.62	114.42
14	3	512	CLA	CHB-C4A-NA	2.13	127.45	124.51
14	e	1110	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	A	1126	CLA	C2A-C1A-CHA	2.13	127.58	123.86
14	5	504	CLA	C2A-C1A-CHA	2.13	127.58	123.86
14	Z	507	CLA	CHA-C1A-NA	-2.13	121.53	126.40
17	n	4022	BCR	C28-C27-C26	-2.13	110.28	114.08
14	H	1206	CLA	C3C-C4C-NC	-2.13	108.19	110.57
14	l	516	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	Y	504	CLA	CAC-C3C-C4C	2.13	127.57	124.81
14	G	1115	CLA	C4-C3-C5	2.13	118.85	115.27
17	1	524	BCR	C1-C6-C7	2.13	121.80	115.78
17	c	523	BCR	C34-C9-C8	2.13	121.43	118.08
17	H	4014	BCR	C29-C30-C25	2.13	113.75	110.48
14	A	1140	CLA	O2D-CGD-CBD	2.13	115.05	111.27
14	3	503	CLA	C2D-C1D-ND	-2.13	108.54	110.10
14	f	1238	CLA	O2A-CGA-O1A	-2.13	118.23	123.59
14	e	1121	CLA	C1-C2-C3	-2.13	122.37	126.04
14	v	508	CLA	O2A-CGA-O1A	-2.13	118.00	123.30
14	A	1104	CLA	C1B-CHB-C4A	-2.13	125.91	130.12
17	l	4012	BCR	C15-C14-C13	-2.13	124.28	127.31
17	6	524	BCR	C36-C18-C19	2.13	121.43	118.08
14	u	504	CLA	C1B-CHB-C4A	-2.13	125.91	130.12
14	d	507	CLA	CHA-C1A-NA	-2.13	121.53	126.40
19	A	1848	LMU	C2'-C3'-C4'	2.13	114.53	109.68
14	B	1219	CLA	O2D-CGD-CBD	2.12	115.04	111.27
17	d	524	BCR	C36-C18-C19	2.12	121.42	118.08
14	f	1224	CLA	C2A-C1A-CHA	2.12	127.57	123.86
14	A	1122	CLA	O2A-CGA-O1A	-2.12	118.23	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	G	1110	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	q	507	CLA	O2A-CGA-O1A	-2.12	118.00	123.30
14	A	1108	CLA	C1-C2-C3	-2.12	122.37	126.04
14	G	1140	CLA	O2D-CGD-CBD	2.12	115.04	111.27
17	6	524	BCR	C23-C22-C21	-2.12	115.68	118.94
14	A	1110	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	f	1219	CLA	C2D-C1D-ND	-2.12	108.54	110.10
14	A	1104	CLA	O2D-CGD-O1D	-2.12	119.69	123.84
14	B	1234	CLA	CHA-C1A-NA	-2.12	121.53	126.40
14	e	1122	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
17	t	523	BCR	C8-C9-C10	-2.12	115.68	118.94
14	T	1302	CLA	C2A-C1A-CHA	2.12	127.57	123.86
18	H	1855	LHG	C29-C28-C27	-2.12	103.65	114.42
15	H	2002	PQN	C9-C10-C5	2.12	121.62	119.26
17	d	524	BCR	C33-C5-C4	2.12	117.69	113.62
14	B	1206	CLA	C3C-C4C-NC	-2.12	108.19	110.57
14	B	1201	CLA	C6-C7-C8	-2.12	109.06	115.92
14	e	1137	CLA	C3A-C2A-C1A	2.12	104.52	101.34
14	H	1224	CLA	C2A-C1A-CHA	2.12	127.57	123.86
14	e	1119	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
14	e	1108	CLA	C1-C2-C3	-2.12	122.37	126.04
14	r	506	CLA	O2A-CGA-O1A	-2.12	118.01	123.30
14	1	517	CLA	O2A-CGA-O1A	-2.12	118.01	123.30
18	A	5001	LHG	O10-C23-C24	-2.12	115.46	123.73
14	3	502	CLA	CAA-C2A-C3A	-2.12	106.97	112.78
14	2	507	CLA	CHA-C1A-NA	-2.12	121.54	126.40
14	f	1219	CLA	O2D-CGD-CBD	2.12	115.03	111.27
17	v	524	BCR	C36-C18-C19	2.12	121.42	118.08
14	Z	503	CLA	C2D-C1D-ND	-2.12	108.54	110.10
14	f	1201	CLA	C6-C7-C8	-2.12	109.07	115.92
17	b	522	BCR	C27-C26-C25	-2.12	119.65	122.73
18	G	5001	LHG	O10-C23-C24	-2.12	115.46	123.73
17	d	524	BCR	C23-C22-C21	-2.12	115.69	118.94
14	2	506	CLA	O2A-CGA-O1A	-2.12	118.02	123.30
19	G	1848	LMU	C2'-C3'-C4'	2.12	114.52	109.68
17	J	4012	BCR	C2-C1-C6	2.12	113.74	110.48
17	J	4012	BCR	C15-C14-C13	-2.12	124.29	127.31
14	Y	503	CLA	C2A-C1A-CHA	2.12	127.56	123.86
14	b	502	CLA	CMB-C2B-C3B	2.12	128.64	124.68
14	6	508	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	B	1238	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
14	5	502	CLA	C2A-C1A-CHA	2.12	127.56	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	e	4002	BCR	C27-C26-C25	-2.12	119.66	122.73
14	c	501	CLA	C2A-C1A-CHA	2.12	127.56	123.86
14	u	504	CLA	C2A-C1A-CHA	2.12	127.56	123.86
17	4	523	BCR	C8-C9-C10	-2.12	115.69	118.94
14	3	502	CLA	C2A-C1A-CHA	2.12	127.56	123.86
17	n	4219	BCR	C16-C15-C14	-2.12	119.14	123.47
14	r	507	CLA	CHA-C1A-NA	-2.12	121.55	126.40
14	s	509	CLA	O1A-CGA-CBA	2.12	129.88	123.08
14	c	504	CLA	C1B-CHB-C4A	-2.12	125.93	130.12
17	r	522	BCR	C33-C5-C4	2.12	117.68	113.62
17	l	522	BCR	C16-C17-C18	-2.12	124.29	127.31
17	b	524	BCR	C28-C27-C26	-2.12	110.30	114.08
14	f	1231	CLA	CMA-C3A-C2A	-2.12	105.30	113.83
17	6	524	BCR	C33-C5-C4	2.12	117.68	113.62
14	e	1126	CLA	C2A-C1A-CHA	2.11	127.56	123.86
14	B	1231	CLA	CMA-C3A-C2A	-2.11	105.30	113.83
14	G	1121	CLA	C1-C2-C3	-2.11	122.39	126.04
15	f	2002	PQN	C9-C10-C5	2.11	121.61	119.26
14	a	502	CLA	CAA-C2A-C3A	-2.11	106.99	112.78
14	s	502	CLA	CAA-C2A-C3A	-2.11	106.99	112.78
14	H	1234	CLA	CHA-C1A-NA	-2.11	121.56	126.40
14	H	1235	CLA	O2D-CGD-CBD	2.11	115.02	111.27
14	H	1231	CLA	CMA-C3A-C2A	-2.11	105.30	113.83
14	e	1140	CLA	O2D-CGD-CBD	2.11	115.02	111.27
17	A	4002	BCR	C27-C26-C25	-2.11	119.66	122.73
17	4	524	BCR	C28-C27-C26	-2.11	110.30	114.08
14	H	1201	CLA	C6-C7-C8	-2.11	109.09	115.92
14	f	1235	CLA	O2D-CGD-CBD	2.11	115.02	111.27
17	v	524	BCR	C33-C5-C4	2.11	117.67	113.62
14	A	1022	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	e	1013	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	r	502	CLA	C2A-C1A-CHA	2.11	127.55	123.86
14	Y	517	CLA	O2A-CGA-O1A	-2.11	118.03	123.30
14	B	1235	CLA	O2D-CGD-CBD	2.11	115.02	111.27
14	B	1216	CLA	C2D-C1D-ND	-2.11	108.55	110.10
14	s	502	CLA	C2A-C1A-CHA	2.11	127.55	123.86
14	e	1104	CLA	O2D-CGD-O1D	-2.11	119.71	123.84
14	5	503	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	e	1112	CLA	O2D-CGD-CBD	2.11	115.02	111.27
14	5	501	CLA	C2A-C1A-CHA	2.11	127.55	123.86
14	2	519	CLA	O2A-CGA-O1A	-2.11	118.04	123.30
17	2	522	BCR	C30-C25-C26	-2.11	119.64	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	504	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	Y	513	CLA	O2A-CGA-O1A	-2.11	118.04	123.30
14	q	502	CLA	CAA-C2A-C3A	-2.11	107.00	112.78
14	A	1119	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	B	1224	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	G	1022	CLA	C4D-C3D-CAD	-2.11	105.61	108.10
14	G	1101	CLA	CAC-C3C-C4C	2.11	127.55	124.81
14	3	509	CLA	O1A-CGA-CBA	2.11	129.85	123.08
14	q	517	CLA	O2A-CGA-O1A	-2.11	118.04	123.30
14	H	1224	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	f	1234	CLA	CHA-C1A-NA	-2.11	121.57	126.40
14	v	508	CLA	CHD-C1D-ND	-2.11	122.52	124.45
18	e	5001	LHG	O10-C23-C24	-2.11	115.51	123.73
14	u	503	CLA	C2A-C1A-CHA	2.11	127.54	123.86
17	G	4001	BCR	C37-C22-C21	-2.11	119.97	122.92
14	f	1012	CLA	C4-C3-C5	2.11	118.82	115.27
17	2	522	BCR	C33-C5-C4	2.11	117.66	113.62
17	A	4001	BCR	C37-C22-C21	-2.11	119.97	122.92
14	s	511	CLA	CAA-C2A-C3A	-2.11	107.01	112.78
14	Y	512	CLA	CHB-C4A-NA	2.11	127.42	124.51
14	f	1218	CLA	C1B-CHB-C4A	-2.11	125.94	130.12
14	H	1238	CLA	C2D-C1D-ND	-2.11	108.55	110.10
14	Z	519	CLA	O2A-CGA-O1A	-2.11	118.05	123.30
17	a	523	BCR	C21-C20-C19	-2.11	116.64	123.22
14	a	502	CLA	C2A-C1A-CHA	2.11	127.54	123.86
14	e	1122	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	G	1104	CLA	O2D-CGD-O1D	-2.11	119.72	123.84
14	a	511	CLA	CAA-C2A-C3A	-2.11	107.01	112.78
14	B	1226	CLA	O2A-CGA-O1A	-2.11	118.28	123.59
14	f	1222	CLA	O2A-CGA-O1A	-2.11	118.28	123.59
14	G	1126	CLA	C2A-C1A-CHA	2.11	127.54	123.86
14	r	502	CLA	O2A-CGA-O1A	-2.10	118.05	123.30
17	3	523	BCR	C21-C20-C19	-2.10	116.65	123.22
14	H	1218	CLA	C1B-CHB-C4A	-2.10	125.95	130.12
18	A	5002	LHG	C27-C26-C25	-2.10	103.74	114.42
17	Z	522	BCR	C33-C5-C4	2.10	117.66	113.62
18	e	5002	LHG	C27-C26-C25	-2.10	103.74	114.42
14	r	519	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
14	f	1226	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
14	u	503	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
17	5	523	BCR	C8-C7-C6	-2.10	121.30	127.20
17	L	4022	BCR	C28-C27-C26	-2.10	110.32	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	5	511	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
14	Z	519	CLA	CHD-C1D-ND	-2.10	122.52	124.45
17	a	522	BCR	C27-C26-C25	-2.10	119.68	122.73
17	t	522	BCR	C36-C18-C19	2.10	121.39	118.08
14	r	508	CLA	C2D-C1D-ND	-2.10	108.56	110.10
17	b	522	BCR	C30-C25-C26	-2.10	119.65	122.61
19	H	1843	LMU	C3-C2-C1	-2.10	104.17	113.49
17	s	523	BCR	C21-C20-C19	-2.10	116.66	123.22
14	A	1121	CLA	C1-C2-C3	-2.10	122.41	126.04
14	H	1232	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
14	T	1303	CLA	C2A-C1A-CHA	2.10	127.53	123.86
14	1	513	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
14	G	1104	CLA	C1B-CHB-C4A	-2.10	125.96	130.12
14	q	516	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	t	504	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	H	1226	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
14	2	502	CLA	C2A-C1A-CHA	2.10	127.53	123.86
14	c	502	CLA	C2A-C1A-CHA	2.10	127.53	123.86
14	t	517	CLA	C2A-C1A-CHA	2.10	127.53	123.86
14	c	511	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
14	A	1140	CLA	C2A-C1A-CHA	2.10	127.53	123.86
14	G	1119	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
14	a	509	CLA	O1A-CGA-CBA	2.10	129.82	123.08
14	3	501	CLA	CHD-C1D-ND	-2.10	122.53	124.45
17	u	523	BCR	C8-C7-C6	-2.10	121.31	127.20
14	Z	508	CLA	CHC-C1C-NC	2.10	127.39	124.20
17	k	4018	BCR	C31-C1-C6	-2.10	106.89	110.30
17	A	4011	BCR	C16-C15-C14	-2.10	119.17	123.47
17	4	524	BCR	C16-C15-C14	-2.10	119.17	123.47
14	H	1222	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
21	H	1852	SQD	C3-C4-C5	2.10	113.98	110.24
14	A	1115	CLA	C4-C3-C5	2.10	118.80	115.27
14	u	501	CLA	C2A-C1A-CHA	2.10	127.53	123.86
17	t	522	BCR	C30-C25-C26	-2.10	119.66	122.61
14	A	1129	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	f	1224	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	1	502	CLA	CAA-C2A-C3A	-2.10	107.03	112.78
14	V	1501	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	5	503	CLA	C2A-C1A-CHA	2.10	127.53	123.86
14	3	511	CLA	CAA-C2A-C3A	-2.10	107.03	112.78
20	f	5002	LMG	C31-C30-C29	-2.10	105.65	113.19
17	4	522	BCR	C30-C25-C26	-2.10	119.66	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
19	f	1843	LMU	C3-C2-C1	-2.10	104.20	113.49
20	B	5002	LMG	C31-C30-C29	-2.10	105.65	113.19
14	2	502	CLA	O2A-CGA-O1A	-2.10	118.07	123.30
17	H	4005	BCR	C16-C15-C14	-2.10	119.18	123.47
18	G	5002	LHG	C27-C26-C25	-2.10	103.78	114.42
14	q	513	CLA	O2A-CGA-O1A	-2.10	118.08	123.30
14	e	1115	CLA	C4-C3-C5	2.10	118.80	115.27
14	4	507	CLA	C2A-C1A-CHA	2.10	127.52	123.86
14	c	503	CLA	C2A-C1A-CHA	2.10	127.52	123.86
14	e	1125	CLA	C11-C12-C13	-2.10	109.15	115.92
14	G	1112	CLA	O2D-CGD-CBD	2.10	114.99	111.27
14	2	507	CLA	O2A-CGA-O1A	-2.10	118.08	123.30
14	e	1022	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	B	1222	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	G	1140	CLA	C2A-C1A-CHA	2.09	127.52	123.86
20	H	5002	LMG	C31-C30-C29	-2.09	105.67	113.19
14	A	1125	CLA	C11-C12-C13	-2.09	109.16	115.92
17	c	523	BCR	C8-C7-C6	-2.09	121.33	127.20
14	4	502	CLA	CMB-C2B-C3B	2.09	128.59	124.68
17	B	4005	BCR	C16-C15-C14	-2.09	119.19	123.47
14	f	1206	CLA	O1D-CGD-CBD	2.09	128.76	124.48
14	l	1303	CLA	C2A-C1A-CHA	2.09	127.52	123.86
14	H	1219	CLA	C1-O2A-CGA	2.09	121.93	116.44
19	B	1843	LMU	C3-C2-C1	-2.09	104.22	113.49
14	u	511	CLA	O2A-CGA-O1A	-2.09	118.09	123.30
14	A	1122	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	2	508	CLA	CHC-C1C-NC	2.09	127.38	124.20
14	e	1120	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
17	l	4012	BCR	C2-C1-C6	2.09	113.70	110.48
14	B	1216	CLA	CAA-CBA-CGA	-2.09	107.14	113.25
14	H	1226	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	f	1216	CLA	CAA-CBA-CGA	-2.09	107.15	113.25
14	A	1112	CLA	O2D-CGD-CBD	2.09	114.98	111.27
14	a	504	CLA	CAA-C2A-C3A	-2.09	107.06	112.78
14	B	1219	CLA	C1-O2A-CGA	2.09	121.93	116.44
17	f	4017	BCR	C8-C7-C6	-2.09	121.33	127.20
14	4	517	CLA	C2A-C1A-CHA	2.09	127.51	123.86
14	b	517	CLA	C2A-C1A-CHA	2.09	127.51	123.86
14	A	1013	CLA	C11-C12-C13	-2.09	109.17	115.92
17	f	4004	BCR	C34-C9-C8	2.09	121.37	118.08
18	n	5220	LHG	C27-C26-C25	-2.09	103.82	114.42
17	f	4004	BCR	C11-C12-C13	-2.09	120.55	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B	1208	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	H	1216	CLA	CAA-CBA-CGA	-2.09	107.15	113.25
14	t	507	CLA	C2A-C1A-CHA	2.09	127.51	123.86
14	Z	507	CLA	O2A-CGA-O1A	-2.09	118.09	123.30
14	B	1218	CLA	C1B-CHB-C4A	-2.09	125.98	130.12
18	L	5220	LHG	C27-C26-C25	-2.09	103.83	114.42
18	V	5220	LHG	C27-C26-C25	-2.09	103.83	114.42
14	1	512	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	6	505	CLA	C2D-C1D-ND	-2.09	108.57	110.10
14	G	1129	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
14	J	1303	CLA	C2A-C1A-CHA	2.09	127.51	123.86
14	f	1219	CLA	C1-O2A-CGA	2.09	121.92	116.44
14	Z	502	CLA	O2A-CGA-O1A	-2.09	118.10	123.30
17	B	4017	BCR	C8-C7-C6	-2.09	121.34	127.20
14	f	1232	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
17	a	524	BCR	C23-C22-C21	-2.09	115.74	118.94
14	H	1208	CLA	CHD-C1D-ND	-2.09	122.54	124.45
14	e	1101	CLA	C1-O2A-CGA	-2.09	110.97	116.44
14	Y	502	CLA	CAA-C2A-C3A	-2.09	107.07	112.78
14	4	504	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	e	1130	CLA	CHD-C1D-ND	-2.08	122.54	124.45
17	3	524	BCR	C23-C22-C21	-2.08	115.74	118.94
18	e	5003	LHG	C18-C17-C16	-2.08	103.84	114.42
14	B	1238	CLA	O2A-C1-C2	-2.08	103.16	108.64
14	B	1012	CLA	C4-C3-C5	2.08	118.78	115.27
14	G	1101	CLA	C1-O2A-CGA	-2.08	110.98	116.44
14	r	503	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	B	1232	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
14	r	507	CLA	O2A-CGA-O1A	-2.08	118.11	123.30
18	A	5003	LHG	C18-C17-C16	-2.08	103.85	114.42
14	G	1013	CLA	C11-C12-C13	-2.08	109.19	115.92
17	T	4015	BCR	C37-C22-C23	2.08	121.36	118.08
17	V	4022	BCR	C28-C27-C26	-2.08	110.36	114.08
17	n	4219	BCR	C32-C1-C6	-2.08	106.92	110.30
17	b	524	BCR	C16-C15-C14	-2.08	119.21	123.47
17	e	4001	BCR	C37-C22-C21	-2.08	120.01	122.92
14	G	1120	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
14	G	1125	CLA	C11-C12-C13	-2.08	109.19	115.92
14	e	1013	CLA	C11-C12-C13	-2.08	109.19	115.92
14	H	1238	CLA	O2A-C1-C2	-2.08	103.16	108.64
14	B	1021	CLA	O1D-CGD-CBD	2.08	128.74	124.48
14	b	507	CLA	C2A-C1A-CHA	2.08	127.50	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1238	CLA	O2A-C1-C2	-2.08	103.16	108.64
14	Y	516	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	2	503	CLA	C2D-C1D-ND	-2.08	108.57	110.10
17	b	522	BCR	C36-C18-C19	2.08	121.36	118.08
14	H	1206	CLA	O1D-CGD-CBD	2.08	128.74	124.48
14	e	1129	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
14	3	504	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
14	H	1226	CLA	CMC-C2C-C3C	2.08	131.76	126.12
14	u	502	CLA	C2A-C1A-CHA	2.08	127.50	123.86
17	H	4004	BCR	C11-C12-C13	-2.08	120.57	126.42
14	c	503	CLA	O2A-CGA-O1A	-2.08	118.11	123.30
14	A	1120	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
14	5	503	CLA	O2A-CGA-O1A	-2.08	118.11	123.30
17	Z	523	BCR	C8-C7-C6	-2.08	121.36	127.20
14	s	504	CLA	CAA-C2A-C3A	-2.08	107.08	112.78
17	T	4012	BCR	C23-C22-C21	2.08	122.13	118.94
17	r	523	BCR	C8-C7-C6	-2.08	121.36	127.20
14	2	517	CLA	O2A-CGA-O1A	-2.08	118.12	123.30
17	B	4004	BCR	C11-C12-C13	-2.08	120.58	126.42
14	q	502	CLA	O2A-CGA-O1A	-2.08	118.12	123.30
14	v	508	CLA	CHC-C1C-NC	2.08	127.36	124.20
14	B	1221	CLA	CHA-C1A-NA	-2.08	121.64	126.40
14	f	1221	CLA	CHA-C1A-NA	-2.08	121.64	126.40
17	f	4005	BCR	C16-C15-C14	-2.08	119.22	123.47
17	H	4017	BCR	C8-C7-C6	-2.08	121.37	127.20
17	d	522	BCR	C30-C25-C26	-2.08	119.69	122.61
14	r	508	CLA	CHC-C1C-NC	2.08	127.35	124.20
14	Y	502	CLA	O2A-CGA-O1A	-2.08	118.12	123.30
14	G	1104	CLA	C2A-C1A-CHA	2.08	127.49	123.86
18	G	5003	LHG	C18-C17-C16	-2.08	103.89	114.42
17	t	524	BCR	C16-C15-C14	-2.08	119.22	123.47
18	e	5008	LHG	C27-C26-C25	-2.08	103.89	114.42
14	t	511	CLA	CHD-C1D-ND	-2.08	122.55	124.45
18	A	5008	LHG	C27-C26-C25	-2.07	103.89	114.42
14	f	1236	CLA	CAA-CBA-CGA	-2.07	107.19	113.25
14	n	1501	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	r	517	CLA	O2A-CGA-O1A	-2.07	118.13	123.30
17	l	4012	BCR	C23-C22-C21	2.07	122.12	118.94
14	e	1140	CLA	C2A-C1A-CHA	2.07	127.49	123.86
17	v	522	BCR	C30-C25-C26	-2.07	119.69	122.61
17	I	4018	BCR	C33-C5-C6	-2.07	122.20	124.53
17	I	4018	BCR	C31-C1-C6	-2.07	106.94	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	e	4011	BCR	C16-C15-C14	-2.07	119.23	123.47
14	e	1131	CLA	C7-C6-C5	-2.07	107.73	113.36
14	f	1226	CLA	CHB-C4A-NA	2.07	127.38	124.51
14	1	502	CLA	O2A-CGA-O1A	-2.07	118.13	123.30
14	a	501	CLA	CHD-C1D-ND	-2.07	122.55	124.45
17	4	522	BCR	C36-C18-C19	2.07	121.34	118.08
14	t	502	CLA	CMB-C2B-C3B	2.07	128.56	124.68
14	B	1206	CLA	O1D-CGD-CBD	2.07	128.72	124.48
14	Z	518	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
17	2	523	BCR	C34-C9-C8	2.07	121.34	118.08
14	A	1101	CLA	C1-O2A-CGA	-2.07	111.01	116.44
14	c	507	CLA	CHA-C1A-NA	-2.07	121.65	126.40
14	f	1220	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	f	1021	CLA	O1D-CGD-CBD	2.07	128.72	124.48
17	J	4015	BCR	C37-C22-C23	2.07	121.34	118.08
18	G	5008	LHG	C27-C26-C25	-2.07	103.91	114.42
14	L	1501	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	6	508	CLA	CHC-C1C-NC	2.07	127.34	124.20
17	2	523	BCR	C8-C7-C6	-2.07	121.39	127.20
14	2	508	CLA	C2D-C1D-ND	-2.07	108.58	110.10
14	A	1119	CLA	C16-C15-C13	-2.07	109.23	115.92
17	G	4011	BCR	C16-C15-C14	-2.07	119.23	123.47
17	d	523	BCR	C15-C16-C17	-2.07	119.23	123.47
17	d	524	BCR	C16-C15-C14	-2.07	119.23	123.47
14	u	518	CLA	O2A-CGA-O1A	-2.07	118.14	123.30
14	f	1208	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	s	503	CLA	C2D-C1D-ND	-2.07	108.58	110.10
21	B	1852	SQD	C3-C4-C5	2.07	113.93	110.24
14	f	1226	CLA	CMC-C2C-C3C	2.07	131.73	126.12
14	H	1221	CLA	CHA-C1A-NA	-2.07	121.66	126.40
14	r	505	CLA	C2D-C1D-ND	-2.07	108.58	110.10
14	u	519	CLA	O2A-CGA-O1A	-2.07	118.14	123.30
14	G	1120	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	5	518	CLA	O2A-CGA-O1A	-2.07	118.15	123.30
17	d	523	BCR	C8-C7-C6	-2.07	121.40	127.20
17	v	521	BCR	C10-C11-C12	-2.07	116.77	123.22
17	V	4020	BCR	C33-C5-C4	-2.07	109.65	113.62
17	r	521	BCR	C39-C30-C25	-2.07	106.95	110.30
17	B	4004	BCR	C34-C9-C8	2.07	121.33	118.08
14	j	1302	CLA	CAA-C2A-C3A	-2.07	107.12	112.78
14	2	519	CLA	CHD-C1D-ND	-2.07	122.56	124.45
14	B	1226	CLA	CMC-C2C-C3C	2.07	131.73	126.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A	1022	CLA	C4D-C3D-CAD	-2.07	105.66	108.10
14	H	1021	CLA	O1D-CGD-CBD	2.07	128.71	124.48
14	A	1127	CLA	CHA-C1A-NA	-2.07	121.67	126.40
14	G	1114	CLA	CAA-CBA-CGA	-2.07	107.03	112.51
14	2	503	CLA	CHD-C1D-ND	-2.07	122.56	124.45
14	t	501	CLA	CHD-C1D-ND	-2.07	122.56	124.45
14	F	1302	CLA	CAA-C2A-C3A	-2.06	107.12	112.78
14	G	1127	CLA	CHA-C1A-NA	-2.06	121.67	126.40
14	B	1236	CLA	CAA-CBA-CGA	-2.06	107.22	113.25
17	f	4005	BCR	C33-C5-C4	2.06	117.58	113.62
17	J	4012	BCR	C23-C22-C21	2.06	122.11	118.94
17	Y	521	BCR	C29-C30-C25	2.06	113.66	110.48
14	A	1119	CLA	O2D-CGD-CBD	2.06	114.94	111.27
14	G	1119	CLA	O2D-CGD-CBD	2.06	114.94	111.27
14	Z	508	CLA	O1A-CGA-CBA	2.06	129.71	123.08
19	J	5105	LMU	C6'-C5'-C4'	-2.06	108.17	113.00
14	c	519	CLA	O2A-CGA-O1A	-2.06	118.16	123.30
14	G	1119	CLA	C16-C15-C13	-2.06	109.25	115.92
17	6	524	BCR	C16-C15-C14	-2.06	119.25	123.47
14	H	1203	CLA	CAA-C2A-C1A	-2.06	105.21	111.97
14	5	519	CLA	O2A-CGA-O1A	-2.06	118.16	123.30
14	H	1206	CLA	CHC-C1C-NC	2.06	127.33	124.20
14	q	509	CLA	O2A-CGA-O1A	-2.06	118.16	123.30
14	G	1107	CLA	C2A-C1A-CHA	2.06	127.47	123.86
18	L	5221	LHG	C15-C14-C13	-2.06	103.95	114.42
14	B	1226	CLA	CHB-C4A-NA	2.06	127.36	124.51
14	G	1122	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	H	1226	CLA	CHD-C1D-C2D	2.06	129.81	125.48
14	H	1236	CLA	CAA-CBA-CGA	-2.06	107.23	113.25
14	B	1206	CLA	CHC-C1C-NC	2.06	127.33	124.20
17	L	4219	BCR	C32-C1-C6	-2.06	106.95	110.30
14	f	1216	CLA	C2D-C1D-ND	-2.06	108.58	110.10
14	e	1011	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
14	B	1226	CLA	CHD-C1D-C2D	2.06	129.80	125.48
14	5	507	CLA	CHA-C1A-NA	-2.06	121.68	126.40
14	e	1119	CLA	C16-C15-C13	-2.06	109.26	115.92
14	e	1114	CLA	CAA-CBA-CGA	-2.06	107.04	112.51
14	G	1011	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
14	e	1104	CLA	C2A-C1A-CHA	2.06	127.46	123.86
14	s	511	CLA	C2A-C1A-CHA	2.06	127.46	123.86
17	s	524	BCR	C23-C22-C21	-2.06	115.78	118.94
14	4	511	CLA	CHD-C1D-ND	-2.06	122.56	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	n	4020	BCR	C33-C5-C4	-2.06	109.66	113.62
14	H	1021	CLA	CBA-CAA-C2A	-2.06	107.78	113.86
14	e	1127	CLA	CHA-C1A-NA	-2.06	121.68	126.40
17	l	4015	BCR	C37-C22-C23	2.06	121.32	118.08
14	t	516	CLA	CAA-C2A-C3A	-2.06	107.14	112.78
17	d	521	BCR	C10-C11-C12	-2.06	116.79	123.22
14	B	1203	CLA	CAA-C2A-C1A	-2.06	105.23	111.97
14	r	504	CLA	CAA-C2A-C3A	-2.06	107.14	112.78
14	s	504	CLA	O2D-CGD-CBD	2.06	114.93	111.27
14	B	1021	CLA	CBA-CAA-C2A	-2.06	107.78	113.86
18	f	1842	LHG	C27-C26-C25	-2.06	103.97	114.42
14	Z	517	CLA	O2A-CGA-O1A	-2.06	118.17	123.30
14	e	1132	CLA	C3A-C2A-C1A	2.06	104.42	101.34
18	V	5221	LHG	C15-C14-C13	-2.06	103.97	114.42
17	G	4011	BCR	C36-C18-C17	-2.06	120.04	122.92
14	2	504	CLA	CAA-C2A-C3A	-2.06	107.14	112.78
18	B	1842	LHG	C27-C26-C25	-2.06	103.97	114.42
17	v	524	BCR	C16-C15-C14	-2.06	119.26	123.47
14	A	1131	CLA	C7-C6-C5	-2.06	107.77	113.36
17	V	4019	BCR	C29-C30-C25	2.06	113.65	110.48
14	B	1217	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
18	H	1842	LHG	C27-C26-C25	-2.06	103.98	114.42
17	H	4009	BCR	C19-C18-C17	-2.06	115.78	118.94
17	L	4019	BCR	C29-C30-C25	2.06	113.65	110.48
17	n	4019	BCR	C29-C30-C25	2.06	113.65	110.48
14	f	1206	CLA	CHC-C1C-NC	2.06	127.33	124.20
14	v	508	CLA	CAA-C2A-C3A	-2.06	107.14	112.78
14	G	1132	CLA	C3A-C2A-C1A	2.06	104.42	101.34
17	6	523	BCR	C8-C7-C6	-2.06	121.42	127.20
14	2	518	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	f	1021	CLA	CBA-CAA-C2A	-2.06	107.79	113.86
14	f	1217	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
18	n	5220	LHG	O8-C23-O10	-2.06	118.40	123.59
14	A	1114	CLA	CAA-CBA-CGA	-2.06	107.05	112.51
14	4	501	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	b	501	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	b	511	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	e	1120	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	b	508	CLA	CMC-C2C-C1C	-2.06	121.91	125.04
14	r	508	CLA	O1A-CGA-CBA	2.06	129.69	123.08
14	A	1101	CLA	C3A-C2A-C1A	2.06	104.42	101.34
20	f	5002	LMG	C3-C4-C5	-2.06	106.57	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	L	5218	LHG	C5-O7-C7	-2.06	112.73	117.79
14	H	1240	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
17	V	4219	BCR	C32-C1-C6	-2.06	106.97	110.30
14	v	519	CLA	O2A-CGA-O1A	-2.06	118.18	123.30
14	r	501	CLA	C2A-C1A-CHA	2.06	127.45	123.86
14	A	1011	CLA	O2A-CGA-O1A	-2.06	118.41	123.59
14	B	1240	CLA	O2A-CGA-O1A	-2.06	118.41	123.59
14	s	501	CLA	O2D-CGD-CBD	2.06	114.92	111.27
18	n	5221	LHG	C15-C14-C13	-2.06	103.99	114.42
17	s	523	BCR	C1-C6-C5	-2.06	119.72	122.61
14	A	1125	CLA	CAA-CBA-CGA	-2.05	107.25	113.25
14	f	1226	CLA	CHD-C1D-C2D	2.05	129.79	125.48
17	Y	523	BCR	C7-C8-C9	-2.05	123.13	126.23
19	T	5105	LMU	C6'-C5'-C4'	-2.05	108.19	113.00
14	r	504	CLA	C2A-C1A-CHA	2.05	127.45	123.86
17	6	521	BCR	C10-C11-C12	-2.05	116.81	123.22
14	3	502	CLA	O2A-CGA-O1A	-2.05	118.18	123.30
17	v	522	BCR	C27-C26-C25	-2.05	119.75	122.73
17	c	523	BCR	C37-C22-C23	2.05	121.31	118.08
14	e	1022	CLA	C4D-C3D-CAD	-2.05	105.67	108.10
14	H	1012	CLA	C4-C3-C5	2.05	118.73	115.27
17	Z	523	BCR	C34-C9-C8	2.05	121.31	118.08
14	R	1302	CLA	CAA-C2A-C3A	-2.05	107.15	112.78
18	L	5220	LHG	O8-C23-O10	-2.05	118.41	123.59
14	d	508	CLA	CHC-C1C-NC	2.05	127.32	124.20
14	a	511	CLA	C2A-C1A-CHA	2.05	127.45	123.86
14	a	502	CLA	O2A-CGA-O1A	-2.05	118.18	123.30
20	B	5002	LMG	C3-C4-C5	-2.05	106.58	110.24
17	6	523	BCR	C15-C16-C17	-2.05	119.27	123.47
14	G	1022	CLA	O1D-CGD-CBD	2.05	128.68	124.48
14	q	511	CLA	O2A-CGA-O1A	-2.05	118.18	123.30
17	B	4005	BCR	C33-C5-C4	2.05	117.56	113.62
14	A	1104	CLA	C2A-C1A-CHA	2.05	127.45	123.86
14	5	509	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
17	2	521	BCR	C39-C30-C25	-2.05	106.97	110.30
14	A	1116	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
17	u	523	BCR	C37-C22-C23	2.05	121.31	118.08
14	b	516	CLA	CAA-C2A-C3A	-2.05	107.16	112.78
14	u	507	CLA	CHA-C1A-NA	-2.05	121.70	126.40
14	A	1132	CLA	C3A-C2A-C1A	2.05	104.41	101.34
14	G	1101	CLA	C3A-C2A-C1A	2.05	104.41	101.34
14	G	1131	CLA	C7-C6-C5	-2.05	107.79	113.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	L	4020	BCR	C33-C5-C4	-2.05	109.67	113.62
17	l	521	BCR	C29-C30-C25	2.05	113.64	110.48
17	H	4005	BCR	C33-C5-C4	2.05	117.56	113.62
17	c	522	BCR	C30-C25-C26	-2.05	119.72	122.61
17	G	4003	BCR	C15-C16-C17	-2.05	119.27	123.47
14	l	511	CLA	O2A-CGA-O1A	-2.05	118.19	123.30
14	a	511	CLA	O2A-CGA-O1A	-2.05	118.19	123.30
14	e	1101	CLA	C3A-C2A-C1A	2.05	104.41	101.34
19	l	5105	LMU	C6'-C5'-C4'	-2.05	108.20	113.00
21	f	1852	SQD	C3-C4-C5	2.05	113.90	110.24
17	b	521	BCR	C38-C26-C25	-2.05	122.23	124.53
17	Z	521	BCR	C39-C30-C25	-2.05	106.97	110.30
14	3	501	CLA	O2D-CGD-CBD	2.05	114.91	111.27
14	e	1119	CLA	O2D-CGD-CBD	2.05	114.91	111.27
14	f	1203	CLA	CAA-C2A-C1A	-2.05	105.26	111.97
14	G	1125	CLA	CAA-CBA-CGA	-2.05	107.27	113.25
14	A	1128	CLA	CHC-C1C-NC	2.05	127.31	124.20
14	q	518	CLA	O2A-CGA-O1A	-2.05	118.19	123.30
14	G	1116	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	e	1125	CLA	CAA-CBA-CGA	-2.05	107.27	113.25
17	q	523	BCR	C7-C8-C9	-2.05	123.14	126.23
17	H	4004	BCR	C29-C30-C25	2.05	113.63	110.48
14	b	517	CLA	O2A-CGA-O1A	-2.05	118.19	123.30
14	e	1116	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	t	508	CLA	CMC-C2C-C1C	-2.05	121.92	125.04
14	2	508	CLA	O1A-CGA-CBA	2.05	129.66	123.08
18	e	5001	LHG	C18-C17-C16	-2.05	104.03	114.42
14	e	1132	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
14	f	1240	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
14	3	511	CLA	C2A-C1A-CHA	2.05	127.44	123.86
14	4	516	CLA	CAA-C2A-C3A	-2.05	107.17	112.78
14	6	516	CLA	CAA-C2A-C3A	-2.05	107.17	112.78
14	v	516	CLA	CAA-C2A-C3A	-2.05	107.17	112.78
14	d	507	CLA	O2A-CGA-O1A	-2.05	118.20	123.30
14	H	1217	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
14	t	502	CLA	C2A-C1A-CHA	2.05	127.44	123.86
20	H	5002	LMG	C3-C4-C5	-2.05	106.59	110.24
14	A	1132	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
14	G	1114	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	d	508	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	v	502	CLA	C2A-C1A-CHA	2.05	127.44	123.86
17	q	522	BCR	C27-C26-C25	-2.05	119.76	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	j	1302	CLA	O2A-CGA-O1A	-2.05	118.20	123.30
17	e	4011	BCR	C36-C18-C17	-2.05	120.06	122.92
14	s	516	CLA	C2A-C1A-CHA	2.05	127.44	123.86
14	d	516	CLA	CAA-C2A-C3A	-2.04	107.18	112.78
14	4	508	CLA	CMC-C2C-C1C	-2.04	121.92	125.04
21	2	822	SQD	C45-O47-C7	2.04	122.83	117.79
14	1	509	CLA	O2A-CGA-O1A	-2.04	118.20	123.30
14	f	1202	CLA	O2D-CGD-CBD	2.04	114.90	111.27
14	2	516	CLA	CAA-C2A-C3A	-2.04	107.18	112.78
14	v	507	CLA	O2A-CGA-O1A	-2.04	118.20	123.30
17	S	4018	BCR	C31-C1-C6	-2.04	106.98	110.30
14	c	518	CLA	O2A-CGA-O1A	-2.04	118.20	123.30
17	6	522	BCR	C30-C25-C26	-2.04	119.73	122.61
17	r	523	BCR	C34-C9-C8	2.04	121.30	118.08
17	q	521	BCR	C29-C30-C25	2.04	113.63	110.48
14	3	516	CLA	C2A-C1A-CHA	2.04	127.43	123.86
14	s	511	CLA	O2A-CGA-O1A	-2.04	118.21	123.30
18	V	5220	LHG	O8-C23-O10	-2.04	118.44	123.59
14	v	505	CLA	C2A-C1A-CHA	2.04	127.43	123.86
14	Z	504	CLA	CAA-C2A-C3A	-2.04	107.18	112.78
14	d	508	CLA	CAA-C2A-C3A	-2.04	107.18	112.78
21	c	822	SQD	O47-C7-O49	-2.04	118.90	122.96
14	2	511	CLA	O2A-CGA-O1A	-2.04	118.21	123.30
14	6	507	CLA	O2A-CGA-O1A	-2.04	118.21	123.30
17	A	4011	BCR	C36-C18-C17	-2.04	120.06	122.92
17	H	4004	BCR	C34-C9-C8	2.04	121.30	118.08
14	H	1202	CLA	O2D-CGD-CBD	2.04	114.90	111.27
14	2	505	CLA	C2D-C1D-ND	-2.04	108.60	110.10
14	u	518	CLA	C2D-C1D-ND	-2.04	108.60	110.10
14	r	511	CLA	O2A-CGA-O1A	-2.04	118.21	123.30
17	v	523	BCR	C8-C7-C6	-2.04	121.47	127.20
17	U	4104	BCR	C35-C13-C12	2.04	121.29	118.08
20	B	5002	LMG	C23-C22-C21	-2.04	104.06	114.42
14	B	1202	CLA	O2D-CGD-CBD	2.04	114.90	111.27
17	e	4003	BCR	C15-C16-C17	-2.04	119.29	123.47
18	A	5001	LHG	C18-C17-C16	-2.04	104.06	114.42
20	H	5002	LMG	C23-C22-C21	-2.04	104.06	114.42
14	4	502	CLA	C2A-C1A-CHA	2.04	127.43	123.86
17	M	4021	BCR	C19-C18-C17	-2.04	115.81	118.94
14	u	503	CLA	CAA-C2A-C3A	-2.04	107.19	112.78
14	q	512	CLA	CHB-C4A-NA	2.04	127.33	124.51
18	V	5218	LHG	C5-O7-C7	-2.04	112.77	117.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	504	CLA	O2D-CGD-CBD	2.04	114.89	111.27
21	u	822	SQD	O47-C7-O49	-2.04	118.91	122.96
17	l	523	BCR	C7-C8-C9	-2.04	123.15	126.23
18	e	5006	LHG	C5-O7-C7	-2.04	112.77	117.79
14	5	503	CLA	CAA-C2A-C3A	-2.04	107.19	112.78
14	3	504	CLA	O2D-CGD-CBD	2.04	114.89	111.27
14	e	1022	CLA	O1D-CGD-CBD	2.04	128.66	124.48
21	r	822	SQD	C45-O47-C7	2.04	122.81	117.79
14	6	519	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
17	f	4009	BCR	C4-C5-C6	-2.04	119.77	122.73
14	u	509	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	d	519	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
14	B	1238	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	H	1238	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	H	1238	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	H	1204	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	t	517	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
14	d	505	CLA	C2A-C1A-CHA	2.04	127.42	123.86
14	Z	516	CLA	CAA-C2A-C3A	-2.04	107.20	112.78
14	4	517	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
14	6	508	CLA	CAA-C2A-C3A	-2.04	107.20	112.78
14	r	518	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
20	f	5002	LMG	C23-C22-C21	-2.04	104.08	114.42
14	b	502	CLA	C2A-C1A-CHA	2.04	127.42	123.86
14	3	519	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
17	5	523	BCR	C37-C22-C23	2.04	121.29	118.08
17	v	523	BCR	C15-C16-C17	-2.04	119.30	123.47
14	q	509	CLA	O1D-CGD-CBD	2.04	128.65	124.48
14	2	504	CLA	C2A-C1A-CHA	2.04	127.42	123.86
17	W	4021	BCR	C19-C18-C17	-2.04	115.82	118.94
18	A	5006	LHG	C5-O7-C7	-2.04	112.78	117.79
17	A	4008	BCR	C8-C7-C6	-2.04	121.48	127.20
21	Z	822	SQD	C45-O47-C7	2.04	122.80	117.79
14	e	1131	CLA	CAA-CBA-CGA	-2.04	107.30	113.25
14	c	503	CLA	CAA-C2A-C3A	-2.04	107.20	112.78
17	r	524	BCR	C38-C26-C25	-2.04	122.24	124.53
17	A	4003	BCR	C15-C16-C17	-2.04	119.30	123.47
14	v	505	CLA	C2D-C1D-ND	-2.04	108.60	110.10
14	s	502	CLA	O2A-CGA-O1A	-2.04	118.23	123.30
14	4	511	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
17	e	4008	BCR	C8-C7-C6	-2.03	121.49	127.20
14	u	510	CLA	CHD-C1D-ND	-2.03	122.58	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	G	5001	LHG	C18-C17-C16	-2.03	104.09	114.42
14	B	1204	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
17	B	4005	BCR	C3-C4-C5	-2.03	110.44	114.08
17	H	4005	BCR	C3-C4-C5	-2.03	110.44	114.08
17	B	4009	BCR	C19-C18-C17	-2.03	115.82	118.94
17	o	4021	BCR	C19-C18-C17	-2.03	115.82	118.94
14	A	1131	CLA	CAA-CBA-CGA	-2.03	107.31	113.25
14	a	501	CLA	O2D-CGD-CBD	2.03	114.88	111.27
18	G	5007	LHG	C11-C10-C9	-2.03	104.10	114.42
14	Y	509	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
14	Y	511	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
17	k	4018	BCR	C33-C5-C6	-2.03	122.24	124.53
14	U	1103	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	s	519	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
14	r	516	CLA	CAA-C2A-C3A	-2.03	107.21	112.78
14	c	509	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
17	H	4009	BCR	C4-C5-C6	-2.03	119.78	122.73
14	G	1135	CLA	CHA-C1A-NA	-2.03	121.74	126.40
14	l	518	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
14	d	502	CLA	C2A-C1A-CHA	2.03	127.41	123.86
17	Z	523	BCR	C23-C24-C25	-2.03	121.49	127.20
17	4	521	BCR	C38-C26-C25	-2.03	122.25	124.53
14	c	506	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
14	6	502	CLA	C2A-C1A-CHA	2.03	127.41	123.86
17	6	522	BCR	C27-C26-C25	-2.03	119.78	122.73
14	Y	518	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
17	K	4104	BCR	C35-C13-C12	2.03	121.28	118.08
14	A	1130	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	B	1220	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	F	1302	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
14	s	501	CLA	CAA-C2A-C3A	-2.03	107.22	112.78
17	T	4013	BCR	C35-C13-C12	2.03	121.28	118.08
14	B	1205	CLA	C3A-C2A-C1A	2.03	104.38	101.34
17	3	523	BCR	C1-C6-C5	-2.03	119.75	122.61
18	n	5218	LHG	C5-O7-C7	-2.03	112.79	117.79
17	l	4013	BCR	C39-C30-C25	-2.03	107.00	110.30
14	H	1239	CLA	C2A-C1A-CHA	2.03	127.41	123.86
21	5	822	SQD	O47-C7-O49	-2.03	118.93	122.96
18	A	5007	LHG	C11-C10-C9	-2.03	104.12	114.42
14	e	1135	CLA	CHA-C1A-NA	-2.03	121.75	126.40
14	G	1131	CLA	CAA-CBA-CGA	-2.03	107.32	113.25
14	G	1132	CLA	O2A-CGA-O1A	-2.03	118.47	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	508	CLA	O1A-CGA-CBA	2.03	129.60	123.08
14	v	516	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
17	B	4010	BCR	C10-C11-C12	-2.03	116.88	123.22
14	A	1120	CLA	CHD-C1D-ND	-2.03	122.59	124.45
17	H	4017	BCR	C16-C15-C14	-2.03	119.32	123.47
14	a	519	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
14	a	501	CLA	CAA-C2A-C3A	-2.03	107.22	112.78
14	e	1134	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
17	B	4004	BCR	C29-C30-C25	2.03	113.60	110.48
14	s	507	CLA	CHA-C1A-NA	-2.03	121.75	126.40
14	3	511	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
14	6	504	CLA	C2A-C1A-CHA	2.03	127.41	123.86
14	Z	504	CLA	C2A-C1A-CHA	2.03	127.41	123.86
14	e	1107	CLA	C2A-C1A-CHA	2.03	127.41	123.86
14	A	1128	CLA	CHB-C4A-NA	2.03	127.32	124.51
14	r	519	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	s	501	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	Z	511	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
14	a	516	CLA	C2A-C1A-CHA	2.03	127.40	123.86
17	f	4004	BCR	C29-C30-C25	2.03	113.60	110.48
17	G	4008	BCR	C8-C7-C6	-2.03	121.51	127.20
17	J	4013	BCR	C39-C30-C25	-2.03	107.01	110.30
14	d	504	CLA	C2A-C1A-CHA	2.03	127.40	123.86
14	G	1022	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
17	T	4013	BCR	C39-C30-C25	-2.03	107.01	110.30
17	B	4009	BCR	C4-C5-C6	-2.03	119.79	122.73
14	3	501	CLA	CAA-C2A-C3A	-2.03	107.23	112.78
14	R	1302	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
14	c	510	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
18	G	5006	LHG	C5-O7-C7	-2.03	112.81	117.79
14	2	501	CLA	C2A-C1A-CHA	2.03	127.40	123.86
14	G	1123	CLA	O2D-CGD-CBD	2.02	114.87	111.27
14	3	508	CLA	O1A-CGA-CBA	2.02	129.59	123.08
14	A	1127	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
14	v	504	CLA	C2A-C1A-CHA	2.02	127.40	123.86
14	e	1128	CLA	CHB-C4A-NA	2.02	127.31	124.51
14	A	1114	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	H	1220	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	6	505	CLA	C2A-C1A-CHA	2.02	127.40	123.86
17	G	4003	BCR	C33-C5-C4	2.02	117.50	113.62
17	5	522	BCR	C30-C25-C26	-2.02	119.76	122.61
14	A	1022	CLA	O1D-CGD-CBD	2.02	128.62	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	523	BCR	C23-C24-C25	-2.02	121.52	127.20
18	e	5007	LHG	C11-C10-C9	-2.02	104.15	114.42
14	A	1107	CLA	C2A-C1A-CHA	2.02	127.40	123.86
14	q	508	CLA	C2D-C1D-ND	-2.02	108.61	110.10
14	H	1205	CLA	C3A-C2A-C1A	2.02	104.37	101.34
17	f	4009	BCR	C19-C18-C17	-2.02	115.84	118.94
14	f	1231	CLA	C1-C2-C3	-2.02	122.55	126.04
17	S	4018	BCR	C33-C5-C6	-2.02	122.26	124.53
14	G	1128	CLA	CHC-C1C-NC	2.02	127.27	124.20
14	A	1111	CLA	C2A-C1A-CHA	2.02	127.39	123.86
14	e	1139	CLA	CHB-C4A-NA	2.02	127.31	124.51
14	r	503	CLA	C2D-C1D-ND	-2.02	108.61	110.10
14	r	518	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	q	509	CLA	C2A-C1A-CHA	2.02	127.39	123.86
14	4	519	CLA	O2A-CGA-O1A	-2.02	118.26	123.30
14	6	517	CLA	O2A-CGA-O1A	-2.02	118.26	123.30
14	e	1123	CLA	O2D-CGD-CBD	2.02	114.86	111.27
14	f	1238	CLA	CAC-C3C-C4C	2.02	127.43	124.81
17	J	4013	BCR	C35-C13-C12	2.02	121.26	118.08
17	l	4013	BCR	C35-C13-C12	2.02	121.26	118.08
14	l	509	CLA	C2A-C1A-CHA	2.02	127.39	123.86
14	v	517	CLA	O2A-CGA-O1A	-2.02	118.26	123.30
14	A	1139	CLA	CHB-C4A-NA	2.02	127.31	124.51
17	f	4005	BCR	C3-C4-C5	-2.02	110.47	114.08
17	H	4010	BCR	C10-C11-C12	-2.02	116.92	123.22
14	s	504	CLA	C2A-C1A-CHA	2.02	127.39	123.86
14	f	1201	CLA	C11-C10-C8	-2.02	109.39	115.92
14	B	1231	CLA	C1-C2-C3	-2.02	122.55	126.04
18	S	5001	LHG	C27-C26-C25	-2.02	104.18	114.42
14	s	508	CLA	O1A-CGA-CBA	2.02	129.57	123.08
14	f	1239	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	b	511	CLA	O2A-CGA-O1A	-2.02	118.27	123.30
14	B	1214	CLA	C1-C2-C3	2.02	129.53	126.04
18	I	5001	LHG	C27-C26-C25	-2.02	104.18	114.42
18	k	5001	LHG	C27-C26-C25	-2.02	104.18	114.42
17	r	523	BCR	C33-C5-C4	2.02	117.49	113.62
17	c	523	BCR	C23-C24-C25	-2.02	121.53	127.20
17	f	4017	BCR	C16-C15-C14	-2.02	119.34	123.47
14	b	519	CLA	O2A-CGA-O1A	-2.02	118.27	123.30
17	A	4003	BCR	C33-C5-C4	2.02	117.49	113.62
14	r	510	CLA	CHD-C1D-ND	-2.02	122.60	124.45
17	r	523	BCR	C23-C24-C25	-2.02	121.54	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	522	BCR	C21-C20-C19	-2.02	116.92	123.22
14	6	508	CLA	O1A-CGA-CBA	2.02	129.56	123.08
21	3	822	SQD	O6-C1-C2	2.02	111.45	108.30
14	A	1123	CLA	O2D-CGD-CBD	2.02	114.85	111.27
14	A	1134	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	A	1103	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	A	1139	CLA	C11-C10-C8	-2.02	109.40	115.92
17	H	4009	BCR	C29-C28-C27	-2.02	106.87	111.38
14	B	1201	CLA	C11-C10-C8	-2.02	109.40	115.92
17	B	4017	BCR	C16-C15-C14	-2.02	119.35	123.47
14	A	1135	CLA	CHA-C1A-NA	-2.02	121.78	126.40
14	e	1128	CLA	CHC-C1C-NC	2.01	127.26	124.20
14	G	1128	CLA	CHB-C4A-NA	2.01	127.30	124.51
14	A	1022	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	5	510	CLA	CHD-C1D-ND	-2.01	122.60	124.45
14	Y	519	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
14	t	511	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
17	l	522	BCR	C27-C26-C25	-2.01	119.81	122.73
17	r	523	BCR	C3-C4-C5	-2.01	110.48	114.08
17	G	4007	BCR	C36-C18-C19	2.01	121.25	118.08
17	m	4104	BCR	C35-C13-C12	2.01	121.25	118.08
14	3	507	CLA	CHA-C1A-NA	-2.01	121.79	126.40
14	u	511	CLA	C2A-C1A-CHA	2.01	127.38	123.86
14	f	1205	CLA	C3A-C2A-C1A	2.01	104.36	101.34
14	H	1225	CLA	O2D-CGD-CBD	2.01	114.85	111.27
14	e	1139	CLA	C11-C10-C8	-2.01	109.41	115.92
14	H	1226	CLA	C3C-C4C-NC	-2.01	108.31	110.57
14	d	517	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
17	q	524	BCR	C15-C16-C17	-2.01	119.35	123.47
14	Z	503	CLA	CHD-C1D-ND	-2.01	122.60	124.45
14	q	504	CLA	CHD-C1D-ND	-2.01	122.60	124.45
14	Y	509	CLA	O1D-CGD-CBD	2.01	128.60	124.48
17	f	4010	BCR	C10-C11-C12	-2.01	116.94	123.22
18	H	1855	LHG	C27-C26-C25	-2.01	104.21	114.42
14	H	1214	CLA	C1-C2-C3	2.01	129.52	126.04
14	l	509	CLA	O1D-CGD-CBD	2.01	128.60	124.48
14	u	506	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
14	G	1127	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	5	518	CLA	C2D-C1D-ND	-2.01	108.62	110.10
14	Z	505	CLA	C2D-C1D-ND	-2.01	108.62	110.10
14	t	509	CLA	O1A-CGA-CBA	2.01	129.54	123.08
18	e	5008	LHG	O8-C23-C24	2.01	118.22	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	q	519	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
17	H	4009	BCR	C35-C13-C12	2.01	121.25	118.08
18	A	5009	LHG	O8-C23-O10	-2.01	118.52	123.59
14	e	1124	CLA	CHB-C4A-NA	2.01	127.29	124.51
14	m	1103	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	d	508	CLA	O1A-CGA-CBA	2.01	129.54	123.08
17	Z	523	BCR	C33-C5-C4	2.01	117.48	113.62
17	u	522	BCR	C30-C25-C26	-2.01	119.78	122.61
18	f	1855	LHG	C27-C26-C25	-2.01	104.22	114.42
14	v	508	CLA	O1A-CGA-CBA	2.01	129.54	123.08
14	G	1103	CLA	CHD-C1D-ND	-2.01	122.61	124.45
17	Y	524	BCR	C15-C16-C17	-2.01	119.36	123.47
14	e	1022	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
14	Y	509	CLA	C2A-C1A-CHA	2.01	127.37	123.86
17	Z	523	BCR	C3-C4-C5	-2.01	110.49	114.08
17	I	4018	BCR	C35-C13-C12	2.01	121.24	118.08
14	H	1231	CLA	C1-C2-C3	-2.01	122.57	126.04
14	G	1139	CLA	C11-C10-C8	-2.01	109.42	115.92
14	3	504	CLA	C2A-C1A-CHA	2.01	127.37	123.86
14	G	1130	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	5	506	CLA	O2A-CGA-O1A	-2.01	118.29	123.30
14	b	502	CLA	O2A-CGA-O1A	-2.01	118.29	123.30
18	B	1855	LHG	C27-C26-C25	-2.01	104.23	114.42
14	4	509	CLA	O1A-CGA-CBA	2.01	129.53	123.08
17	3	522	BCR	C36-C18-C19	2.01	121.24	118.08
17	2	523	BCR	C3-C4-C5	-2.01	110.49	114.08
14	K	1103	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	t	519	CLA	O2A-CGA-O1A	-2.01	118.30	123.30
14	f	1214	CLA	C1-C2-C3	2.01	129.51	126.04
14	f	1225	CLA	O2D-CGD-CBD	2.01	114.83	111.27
17	V	4020	BCR	C29-C30-C25	2.01	113.57	110.48
14	B	1213	CLA	O2A-C1-C2	-2.01	103.36	108.64
14	H	1213	CLA	O2A-C1-C2	-2.01	103.36	108.64
17	b	522	BCR	C21-C20-C19	-2.01	116.95	123.22
17	2	523	BCR	C33-C5-C4	2.01	117.47	113.62
14	H	1201	CLA	C11-C10-C8	-2.01	109.43	115.92
14	e	1127	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	Y	516	CLA	O2A-CGA-O1A	-2.01	118.30	123.30
14	a	507	CLA	CHA-C1A-NA	-2.01	121.80	126.40
17	d	522	BCR	C27-C26-C25	-2.01	119.82	122.73
17	T	4012	BCR	C38-C26-C25	-2.01	122.28	124.53
14	a	504	CLA	C2A-C1A-CHA	2.01	127.37	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	1204	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
17	e	4003	BCR	C33-C5-C4	2.01	117.47	113.62
17	u	522	BCR	C36-C18-C19	2.01	121.24	118.08
17	t	522	BCR	C21-C20-C19	-2.01	116.96	123.22
17	l	524	BCR	C15-C16-C17	-2.00	119.37	123.47
17	5	524	BCR	C10-C11-C12	-2.00	116.96	123.22
17	a	523	BCR	C1-C6-C5	-2.00	119.79	122.61
14	e	1111	CLA	C2A-C1A-CHA	2.00	127.36	123.86
14	B	1239	CLA	CHD-C1D-ND	-2.00	122.61	124.45
14	c	518	CLA	C2D-C1D-ND	-2.00	108.63	110.10
18	A	5008	LHG	O8-C23-C24	2.00	118.20	111.91
17	c	524	BCR	C10-C11-C12	-2.00	116.96	123.22
14	B	1239	CLA	C2A-C1A-CHA	2.00	127.36	123.86
17	u	523	BCR	C23-C24-C25	-2.00	121.57	127.20
14	6	516	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
17	R	4016	BCR	C15-C16-C17	-2.00	119.37	123.47
14	e	1114	CLA	CHD-C1D-ND	-2.00	122.61	124.45
17	s	522	BCR	C36-C18-C19	2.00	121.23	118.08
14	G	1134	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
14	e	1801	CLA	CAA-C2A-C3A	-2.00	107.29	112.78
14	r	511	CLA	C2D-C1D-ND	-2.00	108.63	110.10
17	5	523	BCR	C23-C24-C25	-2.00	121.58	127.20
17	Y	522	BCR	C27-C26-C25	-2.00	119.82	122.73
14	H	1214	CLA	CHD-C1D-ND	-2.00	122.61	124.45
14	H	1229	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
17	A	4007	BCR	C36-C18-C19	2.00	121.23	118.08
14	q	516	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
14	Y	508	CLA	C2D-C1D-ND	-2.00	108.63	110.10
14	q	511	CLA	C2D-C1D-ND	-2.00	108.63	110.10
17	v	523	BCR	C34-C9-C8	2.00	121.23	118.08
14	Y	504	CLA	CED-O2D-CGD	2.00	120.46	115.94
14	q	504	CLA	CED-O2D-CGD	2.00	120.46	115.94
14	c	511	CLA	C2A-C1A-CHA	2.00	127.36	123.86
17	Y	523	BCR	C11-C10-C9	-2.00	124.45	127.31
14	A	1801	CLA	CAA-C2A-C3A	-2.00	107.30	112.78
17	L	4020	BCR	C29-C30-C25	2.00	113.56	110.48

All (588) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
14	A	1011	CLA	ND
14	A	1013	CLA	ND

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Mol	Chain	Res	Type	Atom
14	A	1102	CLA	ND
14	A	1103	CLA	ND
14	A	1104	CLA	ND
14	A	1105	CLA	ND
14	A	1106	CLA	ND
14	A	1107	CLA	ND
14	A	1108	CLA	ND
14	A	1109	CLA	ND
14	A	1110	CLA	ND
14	A	1111	CLA	ND
14	A	1112	CLA	ND
14	A	1113	CLA	ND
14	A	1114	CLA	ND
14	A	1115	CLA	ND
14	A	1116	CLA	ND
14	A	1117	CLA	ND
14	A	1118	CLA	ND
14	A	1119	CLA	ND
14	A	1120	CLA	ND
14	A	1121	CLA	ND
14	A	1122	CLA	ND
14	A	1123	CLA	ND
14	A	1124	CLA	ND
14	A	1125	CLA	ND
14	A	1126	CLA	ND
14	A	1127	CLA	ND
14	A	1128	CLA	ND
14	A	1129	CLA	ND
14	A	1131	CLA	ND
14	A	1132	CLA	ND
14	A	1133	CLA	ND
14	A	1134	CLA	ND
14	A	1135	CLA	ND
14	A	1136	CLA	ND
14	A	1137	CLA	ND
14	A	1138	CLA	ND
14	A	1139	CLA	ND
14	A	1140	CLA	ND
14	A	1237	CLA	ND
14	A	1801	CLA	ND
14	A	1022	CLA	ND
14	A	1130	CLA	ND

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Mol	Chain	Res	Type	Atom
14	A	1101	CLA	ND
14	B	1012	CLA	ND
14	B	1021	CLA	ND
14	B	1023	CLA	ND
14	B	1201	CLA	ND
14	B	1202	CLA	ND
14	B	1203	CLA	ND
14	B	1204	CLA	ND
14	B	1205	CLA	ND
14	B	1206	CLA	ND
14	B	1208	CLA	ND
14	B	1209	CLA	ND
14	B	1210	CLA	ND
14	B	1211	CLA	ND
14	B	1212	CLA	ND
14	B	1213	CLA	ND
14	B	1214	CLA	ND
14	B	1215	CLA	ND
14	B	1216	CLA	ND
14	B	1217	CLA	ND
14	B	1218	CLA	ND
14	B	1219	CLA	ND
14	B	1220	CLA	ND
14	B	1221	CLA	ND
14	B	1222	CLA	ND
14	B	1223	CLA	ND
14	B	1224	CLA	ND
14	B	1225	CLA	ND
14	B	1226	CLA	ND
14	B	1227	CLA	ND
14	B	1228	CLA	ND
14	B	1229	CLA	ND
14	B	1231	CLA	ND
14	B	1232	CLA	ND
14	B	1234	CLA	ND
14	B	1235	CLA	ND
14	B	1236	CLA	ND
14	B	1238	CLA	ND
14	B	1239	CLA	ND
14	B	1240	CLA	ND
14	B	1207	CLA	ND
14	B	1230	CLA	ND

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Mol	Chain	Res	Type	Atom
14	F	1301	CLA	ND
14	F	1302	CLA	ND
14	J	1302	CLA	ND
14	J	1303	CLA	ND
14	K	1401	CLA	ND
14	K	1103	CLA	ND
14	K	1105	CLA	ND
14	L	1501	CLA	ND
14	L	1502	CLA	ND
14	L	1503	CLA	ND
14	1	501	CLA	ND
14	1	502	CLA	ND
14	1	503	CLA	ND
14	1	504	CLA	ND
14	1	505	CLA	ND
14	1	506	CLA	ND
14	1	507	CLA	ND
14	1	508	CLA	ND
14	1	509	CLA	ND
14	1	510	CLA	ND
14	1	511	CLA	ND
14	1	512	CLA	ND
14	1	513	CLA	ND
14	1	516	CLA	ND
14	1	517	CLA	ND
14	1	518	CLA	ND
14	1	519	CLA	ND
14	2	501	CLA	ND
14	2	502	CLA	ND
14	2	503	CLA	ND
14	2	504	CLA	ND
14	2	505	CLA	ND
14	2	506	CLA	ND
14	2	507	CLA	ND
14	2	508	CLA	ND
14	2	509	CLA	ND
14	2	510	CLA	ND
14	2	511	CLA	ND
14	2	512	CLA	ND
14	2	513	CLA	ND
14	2	518	CLA	ND
14	2	519	CLA	ND

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Mol	Chain	Res	Type	Atom
14	3	501	CLA	ND
14	3	502	CLA	ND
14	3	503	CLA	ND
14	3	504	CLA	ND
14	3	505	CLA	ND
14	3	506	CLA	ND
14	3	507	CLA	ND
14	3	508	CLA	ND
14	3	509	CLA	ND
14	3	510	CLA	ND
14	3	511	CLA	ND
14	3	512	CLA	ND
14	3	513	CLA	ND
14	3	516	CLA	ND
14	3	517	CLA	ND
14	3	518	CLA	ND
14	3	519	CLA	ND
14	4	501	CLA	ND
14	4	502	CLA	ND
14	4	503	CLA	ND
14	4	504	CLA	ND
14	4	505	CLA	ND
14	4	506	CLA	ND
14	4	507	CLA	ND
14	4	508	CLA	ND
14	4	509	CLA	ND
14	4	510	CLA	ND
14	4	511	CLA	ND
14	4	512	CLA	ND
14	4	513	CLA	ND
14	4	516	CLA	ND
14	4	517	CLA	ND
14	4	518	CLA	ND
14	4	519	CLA	ND
14	5	501	CLA	ND
14	5	502	CLA	ND
14	5	503	CLA	ND
14	5	504	CLA	ND
14	5	505	CLA	ND
14	5	506	CLA	ND
14	5	507	CLA	ND
14	5	508	CLA	ND

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Mol	Chain	Res	Type	Atom
14	5	509	CLA	ND
14	5	510	CLA	ND
14	5	511	CLA	ND
14	5	512	CLA	ND
14	5	513	CLA	ND
14	5	516	CLA	ND
14	5	517	CLA	ND
14	5	518	CLA	ND
14	5	519	CLA	ND
14	6	501	CLA	ND
14	6	502	CLA	ND
14	6	503	CLA	ND
14	6	504	CLA	ND
14	6	505	CLA	ND
14	6	506	CLA	ND
14	6	507	CLA	ND
14	6	508	CLA	ND
14	6	509	CLA	ND
14	6	510	CLA	ND
14	6	511	CLA	ND
14	6	512	CLA	ND
14	6	513	CLA	ND
14	6	516	CLA	ND
14	6	517	CLA	ND
14	6	518	CLA	ND
14	6	519	CLA	ND
14	G	1011	CLA	ND
14	G	1013	CLA	ND
14	G	1102	CLA	ND
14	G	1103	CLA	ND
14	G	1104	CLA	ND
14	G	1105	CLA	ND
14	G	1106	CLA	ND
14	G	1107	CLA	ND
14	G	1108	CLA	ND
14	G	1109	CLA	ND
14	G	1110	CLA	ND
14	G	1111	CLA	ND
14	G	1112	CLA	ND
14	G	1113	CLA	ND
14	G	1114	CLA	ND
14	G	1115	CLA	ND

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Mol	Chain	Res	Type	Atom
14	G	1116	CLA	ND
14	G	1117	CLA	ND
14	G	1118	CLA	ND
14	G	1119	CLA	ND
14	G	1120	CLA	ND
14	G	1121	CLA	ND
14	G	1122	CLA	ND
14	G	1123	CLA	ND
14	G	1124	CLA	ND
14	G	1125	CLA	ND
14	G	1126	CLA	ND
14	G	1127	CLA	ND
14	G	1128	CLA	ND
14	G	1129	CLA	ND
14	G	1131	CLA	ND
14	G	1132	CLA	ND
14	G	1133	CLA	ND
14	G	1134	CLA	ND
14	G	1135	CLA	ND
14	G	1136	CLA	ND
14	G	1137	CLA	ND
14	G	1138	CLA	ND
14	G	1139	CLA	ND
14	G	1140	CLA	ND
14	G	1237	CLA	ND
14	G	1801	CLA	ND
14	G	1022	CLA	ND
14	G	1130	CLA	ND
14	G	1101	CLA	ND
14	H	1012	CLA	ND
14	H	1021	CLA	ND
14	H	1023	CLA	ND
14	H	1201	CLA	ND
14	H	1202	CLA	ND
14	H	1203	CLA	ND
14	H	1204	CLA	ND
14	H	1205	CLA	ND
14	H	1206	CLA	ND
14	H	1208	CLA	ND
14	H	1209	CLA	ND
14	H	1210	CLA	ND
14	H	1211	CLA	ND

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Mol	Chain	Res	Type	Atom
14	H	1212	CLA	ND
14	H	1213	CLA	ND
14	H	1214	CLA	ND
14	H	1215	CLA	ND
14	H	1216	CLA	ND
14	H	1217	CLA	ND
14	H	1218	CLA	ND
14	H	1219	CLA	ND
14	H	1220	CLA	ND
14	H	1221	CLA	ND
14	H	1222	CLA	ND
14	H	1223	CLA	ND
14	H	1224	CLA	ND
14	H	1225	CLA	ND
14	H	1226	CLA	ND
14	H	1227	CLA	ND
14	H	1228	CLA	ND
14	H	1229	CLA	ND
14	H	1231	CLA	ND
14	H	1232	CLA	ND
14	H	1234	CLA	ND
14	H	1235	CLA	ND
14	H	1236	CLA	ND
14	H	1238	CLA	ND
14	H	1239	CLA	ND
14	H	1240	CLA	ND
14	H	1207	CLA	ND
14	H	1230	CLA	ND
14	R	1301	CLA	ND
14	R	1302	CLA	ND
14	T	1302	CLA	ND
14	T	1303	CLA	ND
14	U	1401	CLA	ND
14	U	1103	CLA	ND
14	U	1105	CLA	ND
14	V	1501	CLA	ND
14	V	1502	CLA	ND
14	V	1503	CLA	ND
14	Y	501	CLA	ND
14	Y	502	CLA	ND
14	Y	503	CLA	ND
14	Y	504	CLA	ND

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

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

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Mol	Chain	Res	Type	Atom
14	d	506	CLA	ND
14	d	507	CLA	ND
14	d	508	CLA	ND
14	d	509	CLA	ND
14	d	510	CLA	ND
14	d	511	CLA	ND
14	d	512	CLA	ND
14	d	513	CLA	ND
14	d	516	CLA	ND
14	d	517	CLA	ND
14	d	518	CLA	ND
14	d	519	CLA	ND
14	e	1011	CLA	ND
14	e	1013	CLA	ND
14	e	1102	CLA	ND
14	e	1103	CLA	ND
14	e	1104	CLA	ND
14	e	1105	CLA	ND
14	e	1106	CLA	ND
14	e	1107	CLA	ND
14	e	1108	CLA	ND
14	e	1109	CLA	ND
14	e	1110	CLA	ND
14	e	1111	CLA	ND
14	e	1112	CLA	ND
14	e	1113	CLA	ND
14	e	1114	CLA	ND
14	e	1115	CLA	ND
14	e	1116	CLA	ND
14	e	1117	CLA	ND
14	e	1118	CLA	ND
14	e	1119	CLA	ND
14	e	1120	CLA	ND
14	e	1121	CLA	ND
14	e	1122	CLA	ND
14	e	1123	CLA	ND
14	e	1124	CLA	ND
14	e	1125	CLA	ND
14	e	1126	CLA	ND
14	e	1127	CLA	ND
14	e	1128	CLA	ND
14	e	1129	CLA	ND

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Mol	Chain	Res	Type	Atom
14	e	1131	CLA	ND
14	e	1132	CLA	ND
14	e	1133	CLA	ND
14	e	1134	CLA	ND
14	e	1135	CLA	ND
14	e	1136	CLA	ND
14	e	1137	CLA	ND
14	e	1138	CLA	ND
14	e	1139	CLA	ND
14	e	1140	CLA	ND
14	e	1237	CLA	ND
14	e	1801	CLA	ND
14	e	1022	CLA	ND
14	e	1130	CLA	ND
14	e	1101	CLA	ND
14	f	1012	CLA	ND
14	f	1021	CLA	ND
14	f	1023	CLA	ND
14	f	1201	CLA	ND
14	f	1202	CLA	ND
14	f	1203	CLA	ND
14	f	1204	CLA	ND
14	f	1205	CLA	ND
14	f	1206	CLA	ND
14	f	1208	CLA	ND
14	f	1209	CLA	ND
14	f	1210	CLA	ND
14	f	1211	CLA	ND
14	f	1212	CLA	ND
14	f	1213	CLA	ND
14	f	1214	CLA	ND
14	f	1215	CLA	ND
14	f	1216	CLA	ND
14	f	1217	CLA	ND
14	f	1218	CLA	ND
14	f	1219	CLA	ND
14	f	1220	CLA	ND
14	f	1221	CLA	ND
14	f	1222	CLA	ND
14	f	1223	CLA	ND
14	f	1224	CLA	ND
14	f	1225	CLA	ND

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Mol	Chain	Res	Type	Atom
14	f	1226	CLA	ND
14	f	1227	CLA	ND
14	f	1228	CLA	ND
14	f	1229	CLA	ND
14	f	1231	CLA	ND
14	f	1232	CLA	ND
14	f	1234	CLA	ND
14	f	1235	CLA	ND
14	f	1236	CLA	ND
14	f	1238	CLA	ND
14	f	1239	CLA	ND
14	f	1240	CLA	ND
14	f	1207	CLA	ND
14	f	1230	CLA	ND
14	j	1301	CLA	ND
14	j	1302	CLA	ND
14	l	1302	CLA	ND
14	l	1303	CLA	ND
14	m	1401	CLA	ND
14	m	1103	CLA	ND
14	m	1105	CLA	ND
14	n	1501	CLA	ND
14	n	1502	CLA	ND
14	n	1503	CLA	ND
14	q	501	CLA	ND
14	q	502	CLA	ND
14	q	503	CLA	ND
14	q	504	CLA	ND
14	q	505	CLA	ND
14	q	506	CLA	ND
14	q	507	CLA	ND
14	q	508	CLA	ND
14	q	509	CLA	ND
14	q	510	CLA	ND
14	q	511	CLA	ND
14	q	512	CLA	ND
14	q	513	CLA	ND
14	q	516	CLA	ND
14	q	517	CLA	ND
14	q	518	CLA	ND
14	q	519	CLA	ND
14	r	501	CLA	ND

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

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

All (7071) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A	1011	CLA	CHA-CBD-CGD-O1D
14	A	1102	CLA	C3A-C2A-CAA-CBA
14	A	1103	CLA	C1A-C2A-CAA-CBA
14	A	1103	CLA	CHA-CBD-CGD-O1D
14	A	1103	CLA	CHA-CBD-CGD-O2D
14	A	1103	CLA	CAD-CBD-CGD-O1D
14	A	1104	CLA	C1A-C2A-CAA-CBA
14	A	1104	CLA	C4-C3-C5-C6
14	A	1106	CLA	C3A-C2A-CAA-CBA
14	A	1108	CLA	C1A-C2A-CAA-CBA
14	A	1108	CLA	C3A-C2A-CAA-CBA
14	A	1110	CLA	C1A-C2A-CAA-CBA
14	A	1113	CLA	CHA-CBD-CGD-O1D
14	A	1113	CLA	CHA-CBD-CGD-O2D
14	A	1116	CLA	C3A-C2A-CAA-CBA
14	A	1117	CLA	CHA-CBD-CGD-O1D
14	A	1117	CLA	CHA-CBD-CGD-O2D
14	A	1119	CLA	CHA-CBD-CGD-O1D
14	A	1119	CLA	CHA-CBD-CGD-O2D
14	A	1119	CLA	CBD-CGD-O2D-CED
14	A	1120	CLA	CHA-CBD-CGD-O2D
14	A	1122	CLA	C2-C3-C5-C6
14	A	1122	CLA	C4-C3-C5-C6
14	A	1126	CLA	C1A-C2A-CAA-CBA
14	A	1126	CLA	C3A-C2A-CAA-CBA
14	A	1132	CLA	CHA-CBD-CGD-O1D
14	A	1132	CLA	CHA-CBD-CGD-O2D
14	A	1134	CLA	C2-C3-C5-C6
14	A	1134	CLA	C4-C3-C5-C6
14	A	1134	CLA	C11-C10-C8-C7
14	A	1137	CLA	C4-C3-C5-C6
14	A	1138	CLA	CBD-CGD-O2D-CED
14	A	1139	CLA	C1A-C2A-CAA-CBA
14	A	1139	CLA	CHA-CBD-CGD-O1D
14	A	1139	CLA	C2-C3-C5-C6
14	A	1139	CLA	C4-C3-C5-C6
14	A	1139	CLA	C6-C7-C8-C9
14	A	1140	CLA	C1A-C2A-CAA-CBA
14	A	1140	CLA	C2-C3-C5-C6
14	A	1140	CLA	C4-C3-C5-C6
14	A	1237	CLA	CHA-CBD-CGD-O1D
14	A	1237	CLA	CHA-CBD-CGD-O2D
14	A	1237	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	1801	CLA	CHA-CBD-CGD-O1D
14	A	1801	CLA	CHA-CBD-CGD-O2D
14	A	1101	CLA	CHA-CBD-CGD-O1D
14	A	1101	CLA	CHA-CBD-CGD-O2D
14	B	1012	CLA	CHA-CBD-CGD-O1D
14	B	1012	CLA	CHA-CBD-CGD-O2D
14	B	1012	CLA	C2-C3-C5-C6
14	B	1012	CLA	C4-C3-C5-C6
14	B	1021	CLA	CHA-CBD-CGD-O1D
14	B	1021	CLA	CHA-CBD-CGD-O2D
14	B	1202	CLA	C1A-C2A-CAA-CBA
14	B	1202	CLA	C3A-C2A-CAA-CBA
14	B	1202	CLA	CHA-CBD-CGD-O1D
14	B	1202	CLA	CHA-CBD-CGD-O2D
14	B	1202	CLA	CAD-CBD-CGD-O1D
14	B	1205	CLA	CHA-CBD-CGD-O1D
14	B	1205	CLA	CHA-CBD-CGD-O2D
14	B	1206	CLA	CBD-CGD-O2D-CED
14	B	1209	CLA	C1A-C2A-CAA-CBA
14	B	1209	CLA	C3A-C2A-CAA-CBA
14	B	1209	CLA	CHA-CBD-CGD-O2D
14	B	1210	CLA	C1A-C2A-CAA-CBA
14	B	1211	CLA	CHA-CBD-CGD-O1D
14	B	1211	CLA	CHA-CBD-CGD-O2D
14	B	1212	CLA	C2-C3-C5-C6
14	B	1212	CLA	C4-C3-C5-C6
14	B	1214	CLA	C2A-CAA-CBA-CGA
14	B	1214	CLA	O2A-C1-C2-C3
14	B	1215	CLA	C1A-C2A-CAA-CBA
14	B	1215	CLA	C3A-C2A-CAA-CBA
14	B	1216	CLA	CBA-CGA-O2A-C1
14	B	1216	CLA	O1A-CGA-O2A-C1
14	B	1217	CLA	C1A-C2A-CAA-CBA
14	B	1217	CLA	C3A-C2A-CAA-CBA
14	B	1217	CLA	C2A-CAA-CBA-CGA
14	B	1219	CLA	CBA-CGA-O2A-C1
14	B	1219	CLA	O1A-CGA-O2A-C1
14	B	1220	CLA	CHA-CBD-CGD-O1D
14	B	1220	CLA	CHA-CBD-CGD-O2D
14	B	1224	CLA	C1A-C2A-CAA-CBA
14	B	1224	CLA	C3A-C2A-CAA-CBA
14	B	1227	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	1234	CLA	CHA-CBD-CGD-O1D
14	B	1240	CLA	C1A-C2A-CAA-CBA
14	B	1240	CLA	CHA-CBD-CGD-O1D
14	B	1240	CLA	CHA-CBD-CGD-O2D
14	B	1230	CLA	C1A-C2A-CAA-CBA
14	B	1230	CLA	C3A-C2A-CAA-CBA
14	J	1302	CLA	CHA-CBD-CGD-O1D
14	J	1302	CLA	CHA-CBD-CGD-O2D
14	J	1302	CLA	CAD-CBD-CGD-O1D
14	J	1302	CLA	CAD-CBD-CGD-O2D
14	J	1302	CLA	CBD-CGD-O2D-CED
14	K	1401	CLA	C1A-C2A-CAA-CBA
14	K	1401	CLA	CHA-CBD-CGD-O1D
14	K	1401	CLA	CHA-CBD-CGD-O2D
14	K	1105	CLA	CBD-CGD-O2D-CED
14	1	501	CLA	CHA-CBD-CGD-O1D
14	1	501	CLA	CBD-CGD-O2D-CED
14	1	503	CLA	CBD-CGD-O2D-CED
14	1	504	CLA	CHA-CBD-CGD-O1D
14	1	504	CLA	CHA-CBD-CGD-O2D
14	1	504	CLA	CAD-CBD-CGD-O1D
14	1	506	CLA	CHA-CBD-CGD-O1D
14	1	506	CLA	CHA-CBD-CGD-O2D
14	1	510	CLA	CBD-CGD-O2D-CED
14	1	516	CLA	C3A-C2A-CAA-CBA
14	1	516	CLA	CHA-CBD-CGD-O1D
14	1	516	CLA	CHA-CBD-CGD-O2D
14	1	516	CLA	CAD-CBD-CGD-O1D
14	1	516	CLA	CBD-CGD-O2D-CED
14	2	501	CLA	CBD-CGD-O2D-CED
14	2	501	CLA	C2-C3-C5-C6
14	2	501	CLA	C4-C3-C5-C6
14	2	506	CLA	CBD-CGD-O2D-CED
14	2	510	CLA	CHA-CBD-CGD-O1D
14	2	510	CLA	CHA-CBD-CGD-O2D
14	2	513	CLA	CBD-CGD-O2D-CED
14	2	516	CLA	C3A-C2A-CAA-CBA
14	2	517	CLA	CAD-CBD-CGD-O1D
14	2	517	CLA	CAD-CBD-CGD-O2D
14	2	517	CLA	CBD-CGD-O2D-CED
14	2	518	CLA	CHA-CBD-CGD-O1D
14	2	518	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	2	518	CLA	C2-C3-C5-C6
14	2	518	CLA	C4-C3-C5-C6
14	3	504	CLA	CHA-CBD-CGD-O1D
14	3	504	CLA	CHA-CBD-CGD-O2D
14	3	507	CLA	CHA-CBD-CGD-O1D
14	3	507	CLA	CHA-CBD-CGD-O2D
14	3	507	CLA	CAD-CBD-CGD-O1D
14	3	511	CLA	CBD-CGD-O2D-CED
14	3	516	CLA	C2A-CAA-CBA-CGA
14	3	516	CLA	CHA-CBD-CGD-O1D
14	3	516	CLA	CHA-CBD-CGD-O2D
14	3	517	CLA	CAD-CBD-CGD-O1D
14	3	517	CLA	CAD-CBD-CGD-O2D
14	3	517	CLA	CBD-CGD-O2D-CED
14	4	501	CLA	CBD-CGD-O2D-CED
14	4	516	CLA	CHA-CBD-CGD-O1D
14	4	516	CLA	CHA-CBD-CGD-O2D
14	4	519	CLA	CHA-CBD-CGD-O1D
14	4	519	CLA	CHA-CBD-CGD-O2D
14	4	519	CLA	CAD-CBD-CGD-O1D
14	4	519	CLA	CAD-CBD-CGD-O2D
14	4	519	CLA	CBD-CGD-O2D-CED
14	5	501	CLA	CBD-CGD-O2D-CED
14	5	502	CLA	CBD-CGD-O2D-CED
14	5	506	CLA	CHA-CBD-CGD-O1D
14	5	506	CLA	CHA-CBD-CGD-O2D
14	5	507	CLA	CBD-CGD-O2D-CED
14	5	510	CLA	CHA-CBD-CGD-O1D
14	5	510	CLA	CHA-CBD-CGD-O2D
14	5	511	CLA	CBD-CGD-O2D-CED
14	5	513	CLA	CBD-CGD-O2D-CED
14	5	517	CLA	CHA-CBD-CGD-O1D
14	5	517	CLA	CHA-CBD-CGD-O2D
14	5	517	CLA	CAD-CBD-CGD-O1D
14	5	517	CLA	CBD-CGD-O2D-CED
14	5	518	CLA	C1A-C2A-CAA-CBA
14	5	519	CLA	CBD-CGD-O2D-CED
14	6	506	CLA	CHA-CBD-CGD-O1D
14	6	506	CLA	CHA-CBD-CGD-O2D
14	6	506	CLA	CAD-CBD-CGD-O1D
14	6	507	CLA	CBD-CGD-O2D-CED
14	6	508	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	6	508	CLA	CHA-CBD-CGD-O2D
14	6	510	CLA	CHA-CBD-CGD-O1D
14	6	510	CLA	CHA-CBD-CGD-O2D
14	6	510	CLA	CAD-CBD-CGD-O1D
14	6	510	CLA	CAD-CBD-CGD-O2D
14	6	513	CLA	CBD-CGD-O2D-CED
14	6	516	CLA	CBD-CGD-O2D-CED
14	6	517	CLA	CHA-CBD-CGD-O1D
14	6	517	CLA	CHA-CBD-CGD-O2D
14	6	517	CLA	CAD-CBD-CGD-O1D
14	6	518	CLA	CHA-CBD-CGD-O1D
14	6	518	CLA	CHA-CBD-CGD-O2D
14	6	518	CLA	CAD-CBD-CGD-O1D
14	G	1011	CLA	CHA-CBD-CGD-O1D
14	G	1102	CLA	C3A-C2A-CAA-CBA
14	G	1103	CLA	C1A-C2A-CAA-CBA
14	G	1103	CLA	CHA-CBD-CGD-O1D
14	G	1103	CLA	CHA-CBD-CGD-O2D
14	G	1103	CLA	CAD-CBD-CGD-O1D
14	G	1104	CLA	C1A-C2A-CAA-CBA
14	G	1104	CLA	C4-C3-C5-C6
14	G	1106	CLA	C3A-C2A-CAA-CBA
14	G	1108	CLA	C1A-C2A-CAA-CBA
14	G	1108	CLA	C3A-C2A-CAA-CBA
14	G	1110	CLA	C1A-C2A-CAA-CBA
14	G	1113	CLA	CHA-CBD-CGD-O1D
14	G	1113	CLA	CHA-CBD-CGD-O2D
14	G	1116	CLA	C3A-C2A-CAA-CBA
14	G	1117	CLA	CHA-CBD-CGD-O1D
14	G	1117	CLA	CHA-CBD-CGD-O2D
14	G	1119	CLA	CHA-CBD-CGD-O1D
14	G	1119	CLA	CHA-CBD-CGD-O2D
14	G	1119	CLA	CBD-CGD-O2D-CED
14	G	1120	CLA	CHA-CBD-CGD-O2D
14	G	1122	CLA	C2-C3-C5-C6
14	G	1122	CLA	C4-C3-C5-C6
14	G	1126	CLA	C1A-C2A-CAA-CBA
14	G	1126	CLA	C3A-C2A-CAA-CBA
14	G	1132	CLA	CHA-CBD-CGD-O1D
14	G	1132	CLA	CHA-CBD-CGD-O2D
14	G	1134	CLA	C2-C3-C5-C6
14	G	1134	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	G	1134	CLA	C11-C10-C8-C7
14	G	1137	CLA	C4-C3-C5-C6
14	G	1138	CLA	CBD-CGD-O2D-CED
14	G	1139	CLA	C1A-C2A-CAA-CBA
14	G	1139	CLA	CHA-CBD-CGD-O1D
14	G	1139	CLA	C2-C3-C5-C6
14	G	1139	CLA	C4-C3-C5-C6
14	G	1139	CLA	C6-C7-C8-C9
14	G	1140	CLA	C1A-C2A-CAA-CBA
14	G	1140	CLA	C2-C3-C5-C6
14	G	1140	CLA	C4-C3-C5-C6
14	G	1237	CLA	CHA-CBD-CGD-O1D
14	G	1237	CLA	CHA-CBD-CGD-O2D
14	G	1237	CLA	C4-C3-C5-C6
14	G	1801	CLA	CHA-CBD-CGD-O1D
14	G	1801	CLA	CHA-CBD-CGD-O2D
14	G	1101	CLA	CHA-CBD-CGD-O1D
14	G	1101	CLA	CHA-CBD-CGD-O2D
14	H	1012	CLA	CHA-CBD-CGD-O1D
14	H	1012	CLA	CHA-CBD-CGD-O2D
14	H	1012	CLA	C2-C3-C5-C6
14	H	1012	CLA	C4-C3-C5-C6
14	H	1021	CLA	CHA-CBD-CGD-O1D
14	H	1021	CLA	CHA-CBD-CGD-O2D
14	H	1202	CLA	C1A-C2A-CAA-CBA
14	H	1202	CLA	C3A-C2A-CAA-CBA
14	H	1202	CLA	CHA-CBD-CGD-O1D
14	H	1202	CLA	CHA-CBD-CGD-O2D
14	H	1202	CLA	CAD-CBD-CGD-O1D
14	H	1205	CLA	CHA-CBD-CGD-O1D
14	H	1205	CLA	CHA-CBD-CGD-O2D
14	H	1206	CLA	CBD-CGD-O2D-CED
14	H	1209	CLA	C1A-C2A-CAA-CBA
14	H	1209	CLA	C3A-C2A-CAA-CBA
14	H	1209	CLA	CHA-CBD-CGD-O2D
14	H	1210	CLA	C1A-C2A-CAA-CBA
14	H	1211	CLA	CHA-CBD-CGD-O1D
14	H	1211	CLA	CHA-CBD-CGD-O2D
14	H	1212	CLA	C2-C3-C5-C6
14	H	1212	CLA	C4-C3-C5-C6
14	H	1214	CLA	C2A-CAA-CBA-CGA
14	H	1214	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
14	H	1215	CLA	C1A-C2A-CAA-CBA
14	H	1215	CLA	C3A-C2A-CAA-CBA
14	H	1216	CLA	CBA-CGA-O2A-C1
14	H	1216	CLA	O1A-CGA-O2A-C1
14	H	1217	CLA	C1A-C2A-CAA-CBA
14	H	1217	CLA	C3A-C2A-CAA-CBA
14	H	1217	CLA	C2A-CAA-CBA-CGA
14	H	1219	CLA	CBA-CGA-O2A-C1
14	H	1219	CLA	O1A-CGA-O2A-C1
14	H	1220	CLA	CHA-CBD-CGD-O1D
14	H	1220	CLA	CHA-CBD-CGD-O2D
14	H	1224	CLA	C1A-C2A-CAA-CBA
14	H	1224	CLA	C3A-C2A-CAA-CBA
14	H	1227	CLA	CBA-CGA-O2A-C1
14	H	1234	CLA	CHA-CBD-CGD-O1D
14	H	1239	CLA	CBD-CGD-O2D-CED
14	H	1240	CLA	C1A-C2A-CAA-CBA
14	H	1240	CLA	CHA-CBD-CGD-O1D
14	H	1240	CLA	CHA-CBD-CGD-O2D
14	H	1230	CLA	C1A-C2A-CAA-CBA
14	H	1230	CLA	C3A-C2A-CAA-CBA
14	T	1302	CLA	CHA-CBD-CGD-O1D
14	T	1302	CLA	CHA-CBD-CGD-O2D
14	T	1302	CLA	CAD-CBD-CGD-O1D
14	T	1302	CLA	CAD-CBD-CGD-O2D
14	T	1302	CLA	CBD-CGD-O2D-CED
14	U	1401	CLA	C1A-C2A-CAA-CBA
14	U	1401	CLA	CHA-CBD-CGD-O1D
14	U	1401	CLA	CHA-CBD-CGD-O2D
14	U	1105	CLA	CBD-CGD-O2D-CED
14	Y	501	CLA	CHA-CBD-CGD-O1D
14	Y	501	CLA	CBD-CGD-O2D-CED
14	Y	503	CLA	CBD-CGD-O2D-CED
14	Y	504	CLA	CHA-CBD-CGD-O1D
14	Y	504	CLA	CHA-CBD-CGD-O2D
14	Y	504	CLA	CAD-CBD-CGD-O1D
14	Y	506	CLA	CHA-CBD-CGD-O1D
14	Y	506	CLA	CHA-CBD-CGD-O2D
14	Y	510	CLA	CBD-CGD-O2D-CED
14	Y	516	CLA	C3A-C2A-CAA-CBA
14	Y	516	CLA	CHA-CBD-CGD-O1D
14	Y	516	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	Y	516	CLA	CAD-CBD-CGD-O1D
14	Y	516	CLA	CBD-CGD-O2D-CED
14	Z	501	CLA	CBD-CGD-O2D-CED
14	Z	501	CLA	C2-C3-C5-C6
14	Z	501	CLA	C4-C3-C5-C6
14	Z	506	CLA	CBD-CGD-O2D-CED
14	Z	510	CLA	CHA-CBD-CGD-O1D
14	Z	510	CLA	CHA-CBD-CGD-O2D
14	Z	513	CLA	CBD-CGD-O2D-CED
14	Z	516	CLA	C3A-C2A-CAA-CBA
14	Z	517	CLA	CAD-CBD-CGD-O1D
14	Z	517	CLA	CAD-CBD-CGD-O2D
14	Z	517	CLA	CBD-CGD-O2D-CED
14	Z	518	CLA	CHA-CBD-CGD-O1D
14	Z	518	CLA	CHA-CBD-CGD-O2D
14	Z	518	CLA	C2-C3-C5-C6
14	Z	518	CLA	C4-C3-C5-C6
14	a	504	CLA	CHA-CBD-CGD-O1D
14	a	504	CLA	CHA-CBD-CGD-O2D
14	a	507	CLA	CHA-CBD-CGD-O1D
14	a	507	CLA	CHA-CBD-CGD-O2D
14	a	507	CLA	CAD-CBD-CGD-O1D
14	a	511	CLA	CBD-CGD-O2D-CED
14	a	516	CLA	C2A-CAA-CBA-CGA
14	a	516	CLA	CHA-CBD-CGD-O1D
14	a	516	CLA	CHA-CBD-CGD-O2D
14	a	517	CLA	CAD-CBD-CGD-O1D
14	a	517	CLA	CAD-CBD-CGD-O2D
14	a	517	CLA	CBD-CGD-O2D-CED
14	b	501	CLA	CBD-CGD-O2D-CED
14	b	516	CLA	CHA-CBD-CGD-O1D
14	b	516	CLA	CHA-CBD-CGD-O2D
14	b	519	CLA	CHA-CBD-CGD-O1D
14	b	519	CLA	CHA-CBD-CGD-O2D
14	b	519	CLA	CAD-CBD-CGD-O1D
14	b	519	CLA	CAD-CBD-CGD-O2D
14	b	519	CLA	CBD-CGD-O2D-CED
14	c	501	CLA	CBD-CGD-O2D-CED
14	c	502	CLA	CBD-CGD-O2D-CED
14	c	506	CLA	CHA-CBD-CGD-O1D
14	c	506	CLA	CHA-CBD-CGD-O2D
14	c	507	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c	510	CLA	CHA-CBD-CGD-O1D
14	c	510	CLA	CHA-CBD-CGD-O2D
14	c	511	CLA	CBD-CGD-O2D-CED
14	c	513	CLA	CBD-CGD-O2D-CED
14	c	517	CLA	CHA-CBD-CGD-O1D
14	c	517	CLA	CHA-CBD-CGD-O2D
14	c	517	CLA	CAD-CBD-CGD-O1D
14	c	517	CLA	CBD-CGD-O2D-CED
14	c	518	CLA	C1A-C2A-CAA-CBA
14	c	519	CLA	CBD-CGD-O2D-CED
14	d	506	CLA	CHA-CBD-CGD-O1D
14	d	506	CLA	CHA-CBD-CGD-O2D
14	d	506	CLA	CAD-CBD-CGD-O1D
14	d	507	CLA	CBD-CGD-O2D-CED
14	d	508	CLA	CHA-CBD-CGD-O1D
14	d	508	CLA	CHA-CBD-CGD-O2D
14	d	510	CLA	CHA-CBD-CGD-O1D
14	d	510	CLA	CHA-CBD-CGD-O2D
14	d	510	CLA	CAD-CBD-CGD-O1D
14	d	510	CLA	CAD-CBD-CGD-O2D
14	d	513	CLA	CBD-CGD-O2D-CED
14	d	516	CLA	CBD-CGD-O2D-CED
14	d	517	CLA	CHA-CBD-CGD-O1D
14	d	517	CLA	CHA-CBD-CGD-O2D
14	d	517	CLA	CAD-CBD-CGD-O1D
14	d	518	CLA	CHA-CBD-CGD-O1D
14	d	518	CLA	CHA-CBD-CGD-O2D
14	d	518	CLA	CAD-CBD-CGD-O1D
14	e	1011	CLA	CHA-CBD-CGD-O1D
14	e	1102	CLA	C3A-C2A-CAA-CBA
14	e	1103	CLA	C1A-C2A-CAA-CBA
14	e	1103	CLA	CHA-CBD-CGD-O1D
14	e	1103	CLA	CHA-CBD-CGD-O2D
14	e	1103	CLA	CAD-CBD-CGD-O1D
14	e	1104	CLA	C1A-C2A-CAA-CBA
14	e	1104	CLA	C4-C3-C5-C6
14	e	1106	CLA	C3A-C2A-CAA-CBA
14	e	1108	CLA	C1A-C2A-CAA-CBA
14	e	1108	CLA	C3A-C2A-CAA-CBA
14	e	1110	CLA	C1A-C2A-CAA-CBA
14	e	1113	CLA	CHA-CBD-CGD-O1D
14	e	1113	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	e	1116	CLA	C3A-C2A-CAA-CBA
14	e	1117	CLA	CHA-CBD-CGD-O1D
14	e	1117	CLA	CHA-CBD-CGD-O2D
14	e	1119	CLA	CHA-CBD-CGD-O1D
14	e	1119	CLA	CHA-CBD-CGD-O2D
14	e	1119	CLA	CBD-CGD-O2D-CED
14	e	1120	CLA	CHA-CBD-CGD-O2D
14	e	1122	CLA	C2-C3-C5-C6
14	e	1122	CLA	C4-C3-C5-C6
14	e	1126	CLA	C1A-C2A-CAA-CBA
14	e	1126	CLA	C3A-C2A-CAA-CBA
14	e	1132	CLA	CHA-CBD-CGD-O1D
14	e	1132	CLA	CHA-CBD-CGD-O2D
14	e	1134	CLA	C2-C3-C5-C6
14	e	1134	CLA	C4-C3-C5-C6
14	e	1134	CLA	C11-C10-C8-C7
14	e	1137	CLA	C4-C3-C5-C6
14	e	1138	CLA	CBD-CGD-O2D-CED
14	e	1139	CLA	C1A-C2A-CAA-CBA
14	e	1139	CLA	CHA-CBD-CGD-O1D
14	e	1139	CLA	C2-C3-C5-C6
14	e	1139	CLA	C4-C3-C5-C6
14	e	1139	CLA	C6-C7-C8-C9
14	e	1140	CLA	C1A-C2A-CAA-CBA
14	e	1140	CLA	C2-C3-C5-C6
14	e	1140	CLA	C4-C3-C5-C6
14	e	1237	CLA	CHA-CBD-CGD-O1D
14	e	1237	CLA	CHA-CBD-CGD-O2D
14	e	1237	CLA	C4-C3-C5-C6
14	e	1801	CLA	CHA-CBD-CGD-O1D
14	e	1801	CLA	CHA-CBD-CGD-O2D
14	e	1101	CLA	CHA-CBD-CGD-O1D
14	e	1101	CLA	CHA-CBD-CGD-O2D
14	f	1012	CLA	CHA-CBD-CGD-O1D
14	f	1012	CLA	CHA-CBD-CGD-O2D
14	f	1012	CLA	C2-C3-C5-C6
14	f	1012	CLA	C4-C3-C5-C6
14	f	1021	CLA	CHA-CBD-CGD-O1D
14	f	1021	CLA	CHA-CBD-CGD-O2D
14	f	1202	CLA	C1A-C2A-CAA-CBA
14	f	1202	CLA	C3A-C2A-CAA-CBA
14	f	1202	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	f	1202	CLA	CHA-CBD-CGD-O2D
14	f	1202	CLA	CAD-CBD-CGD-O1D
14	f	1205	CLA	CHA-CBD-CGD-O1D
14	f	1205	CLA	CHA-CBD-CGD-O2D
14	f	1206	CLA	CBD-CGD-O2D-CED
14	f	1209	CLA	C1A-C2A-CAA-CBA
14	f	1209	CLA	C3A-C2A-CAA-CBA
14	f	1209	CLA	CHA-CBD-CGD-O2D
14	f	1210	CLA	C1A-C2A-CAA-CBA
14	f	1211	CLA	CHA-CBD-CGD-O1D
14	f	1211	CLA	CHA-CBD-CGD-O2D
14	f	1212	CLA	C2-C3-C5-C6
14	f	1212	CLA	C4-C3-C5-C6
14	f	1214	CLA	C2A-CAA-CBA-CGA
14	f	1214	CLA	O2A-C1-C2-C3
14	f	1215	CLA	C1A-C2A-CAA-CBA
14	f	1215	CLA	C3A-C2A-CAA-CBA
14	f	1216	CLA	CBA-CGA-O2A-C1
14	f	1216	CLA	O1A-CGA-O2A-C1
14	f	1217	CLA	C1A-C2A-CAA-CBA
14	f	1217	CLA	C3A-C2A-CAA-CBA
14	f	1217	CLA	C2A-CAA-CBA-CGA
14	f	1219	CLA	CBA-CGA-O2A-C1
14	f	1219	CLA	O1A-CGA-O2A-C1
14	f	1220	CLA	CHA-CBD-CGD-O1D
14	f	1220	CLA	CHA-CBD-CGD-O2D
14	f	1224	CLA	C1A-C2A-CAA-CBA
14	f	1224	CLA	C3A-C2A-CAA-CBA
14	f	1227	CLA	CBA-CGA-O2A-C1
14	f	1234	CLA	CHA-CBD-CGD-O1D
14	f	1240	CLA	C1A-C2A-CAA-CBA
14	f	1240	CLA	CHA-CBD-CGD-O1D
14	f	1240	CLA	CHA-CBD-CGD-O2D
14	f	1230	CLA	C1A-C2A-CAA-CBA
14	f	1230	CLA	C3A-C2A-CAA-CBA
14	l	1302	CLA	CHA-CBD-CGD-O1D
14	l	1302	CLA	CHA-CBD-CGD-O2D
14	l	1302	CLA	CAD-CBD-CGD-O1D
14	l	1302	CLA	CAD-CBD-CGD-O2D
14	l	1302	CLA	CBD-CGD-O2D-CED
14	m	1401	CLA	C1A-C2A-CAA-CBA
14	m	1401	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	m	1401	CLA	CHA-CBD-CGD-O2D
14	m	1105	CLA	CBD-CGD-O2D-CED
14	q	501	CLA	CHA-CBD-CGD-O1D
14	q	501	CLA	CBD-CGD-O2D-CED
14	q	503	CLA	CBD-CGD-O2D-CED
14	q	504	CLA	CHA-CBD-CGD-O1D
14	q	504	CLA	CHA-CBD-CGD-O2D
14	q	504	CLA	CAD-CBD-CGD-O1D
14	q	506	CLA	CHA-CBD-CGD-O1D
14	q	506	CLA	CHA-CBD-CGD-O2D
14	q	510	CLA	CBD-CGD-O2D-CED
14	q	516	CLA	C3A-C2A-CAA-CBA
14	q	516	CLA	CHA-CBD-CGD-O1D
14	q	516	CLA	CHA-CBD-CGD-O2D
14	q	516	CLA	CAD-CBD-CGD-O1D
14	q	516	CLA	CBD-CGD-O2D-CED
14	r	501	CLA	CBD-CGD-O2D-CED
14	r	501	CLA	C2-C3-C5-C6
14	r	501	CLA	C4-C3-C5-C6
14	r	506	CLA	CBD-CGD-O2D-CED
14	r	510	CLA	CHA-CBD-CGD-O1D
14	r	510	CLA	CHA-CBD-CGD-O2D
14	r	513	CLA	CBD-CGD-O2D-CED
14	r	516	CLA	C3A-C2A-CAA-CBA
14	r	517	CLA	CAD-CBD-CGD-O1D
14	r	517	CLA	CAD-CBD-CGD-O2D
14	r	517	CLA	CBD-CGD-O2D-CED
14	r	518	CLA	CHA-CBD-CGD-O1D
14	r	518	CLA	CHA-CBD-CGD-O2D
14	r	518	CLA	C2-C3-C5-C6
14	r	518	CLA	C4-C3-C5-C6
14	s	504	CLA	CHA-CBD-CGD-O1D
14	s	504	CLA	CHA-CBD-CGD-O2D
14	s	507	CLA	CHA-CBD-CGD-O1D
14	s	507	CLA	CHA-CBD-CGD-O2D
14	s	507	CLA	CAD-CBD-CGD-O1D
14	s	511	CLA	CBD-CGD-O2D-CED
14	s	516	CLA	C2A-CAA-CBA-CGA
14	s	516	CLA	CHA-CBD-CGD-O1D
14	s	516	CLA	CHA-CBD-CGD-O2D
14	s	517	CLA	CAD-CBD-CGD-O1D
14	s	517	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	s	517	CLA	CBD-CGD-O2D-CED
14	t	501	CLA	CBD-CGD-O2D-CED
14	t	516	CLA	CHA-CBD-CGD-O1D
14	t	516	CLA	CHA-CBD-CGD-O2D
14	t	519	CLA	CHA-CBD-CGD-O1D
14	t	519	CLA	CHA-CBD-CGD-O2D
14	t	519	CLA	CAD-CBD-CGD-O1D
14	t	519	CLA	CAD-CBD-CGD-O2D
14	t	519	CLA	CBD-CGD-O2D-CED
14	u	501	CLA	CBD-CGD-O2D-CED
14	u	502	CLA	CBD-CGD-O2D-CED
14	u	506	CLA	CHA-CBD-CGD-O1D
14	u	506	CLA	CHA-CBD-CGD-O2D
14	u	507	CLA	CBD-CGD-O2D-CED
14	u	510	CLA	CHA-CBD-CGD-O1D
14	u	510	CLA	CHA-CBD-CGD-O2D
14	u	511	CLA	CBD-CGD-O2D-CED
14	u	513	CLA	CBD-CGD-O2D-CED
14	u	517	CLA	CHA-CBD-CGD-O1D
14	u	517	CLA	CHA-CBD-CGD-O2D
14	u	517	CLA	CAD-CBD-CGD-O1D
14	u	517	CLA	CBD-CGD-O2D-CED
14	u	518	CLA	C1A-C2A-CAA-CBA
14	u	519	CLA	CBD-CGD-O2D-CED
14	v	506	CLA	CHA-CBD-CGD-O1D
14	v	506	CLA	CHA-CBD-CGD-O2D
14	v	506	CLA	CAD-CBD-CGD-O1D
14	v	507	CLA	CBD-CGD-O2D-CED
14	v	508	CLA	CHA-CBD-CGD-O1D
14	v	508	CLA	CHA-CBD-CGD-O2D
14	v	510	CLA	CHA-CBD-CGD-O1D
14	v	510	CLA	CHA-CBD-CGD-O2D
14	v	510	CLA	CAD-CBD-CGD-O1D
14	v	510	CLA	CAD-CBD-CGD-O2D
14	v	513	CLA	CBD-CGD-O2D-CED
14	v	516	CLA	CBD-CGD-O2D-CED
14	v	517	CLA	CHA-CBD-CGD-O1D
14	v	517	CLA	CHA-CBD-CGD-O2D
14	v	517	CLA	CAD-CBD-CGD-O1D
14	v	518	CLA	CHA-CBD-CGD-O1D
14	v	518	CLA	CHA-CBD-CGD-O2D
14	v	518	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
17	A	4001	BCR	C11-C12-C13-C14
17	A	4001	BCR	C37-C22-C23-C24
17	A	4008	BCR	C21-C22-C23-C24
17	A	4008	BCR	C37-C22-C23-C24
17	A	4008	BCR	C23-C24-C25-C26
17	A	4011	BCR	C36-C18-C19-C20
17	B	4004	BCR	C7-C8-C9-C10
17	B	4004	BCR	C7-C8-C9-C34
17	B	4004	BCR	C21-C22-C23-C24
17	B	4004	BCR	C37-C22-C23-C24
17	B	4004	BCR	C23-C24-C25-C30
17	B	4005	BCR	C7-C8-C9-C10
17	B	4005	BCR	C7-C8-C9-C34
17	B	4005	BCR	C21-C22-C23-C24
17	B	4005	BCR	C37-C22-C23-C24
17	B	4005	BCR	C23-C24-C25-C30
17	B	4010	BCR	C23-C24-C25-C26
17	B	4017	BCR	C1-C6-C7-C8
17	B	4014	BCR	C17-C18-C19-C20
17	B	4014	BCR	C36-C18-C19-C20
17	J	4013	BCR	C17-C18-C19-C20
17	J	4013	BCR	C36-C18-C19-C20
17	J	4015	BCR	C23-C24-C25-C30
17	J	4012	BCR	C5-C6-C7-C8
17	J	4012	BCR	C11-C12-C13-C14
17	J	4012	BCR	C11-C12-C13-C35
17	K	4104	BCR	C21-C22-C23-C24
17	K	4104	BCR	C37-C22-C23-C24
17	L	4019	BCR	C7-C8-C9-C10
17	L	4019	BCR	C7-C8-C9-C34
17	L	4219	BCR	C7-C8-C9-C10
17	M	4021	BCR	C5-C6-C7-C8
17	M	4021	BCR	C11-C12-C13-C35
17	M	4021	BCR	C17-C18-C19-C20
17	M	4021	BCR	C36-C18-C19-C20
17	1	521	BCR	C7-C8-C9-C10
17	1	521	BCR	C7-C8-C9-C34
17	1	522	BCR	C1-C6-C7-C8
17	1	522	BCR	C5-C6-C7-C8
17	1	522	BCR	C7-C8-C9-C10
17	1	522	BCR	C7-C8-C9-C34
17	1	523	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
17	1	523	BCR	C37-C22-C23-C24
17	2	521	BCR	C7-C8-C9-C10
17	2	521	BCR	C7-C8-C9-C34
17	2	522	BCR	C5-C6-C7-C8
17	2	522	BCR	C7-C8-C9-C10
17	2	522	BCR	C7-C8-C9-C34
17	2	523	BCR	C21-C22-C23-C24
17	2	523	BCR	C37-C22-C23-C24
17	3	521	BCR	C7-C8-C9-C34
17	3	522	BCR	C7-C8-C9-C10
17	3	522	BCR	C7-C8-C9-C34
17	3	523	BCR	C37-C22-C23-C24
17	4	521	BCR	C7-C8-C9-C10
17	4	521	BCR	C7-C8-C9-C34
17	4	523	BCR	C37-C22-C23-C24
17	5	521	BCR	C7-C8-C9-C10
17	5	521	BCR	C7-C8-C9-C34
17	5	521	BCR	C17-C18-C19-C20
17	5	521	BCR	C36-C18-C19-C20
17	5	522	BCR	C5-C6-C7-C8
17	5	522	BCR	C7-C8-C9-C10
17	5	522	BCR	C7-C8-C9-C34
17	5	523	BCR	C21-C22-C23-C24
17	5	523	BCR	C37-C22-C23-C24
17	6	522	BCR	C5-C6-C7-C8
17	6	523	BCR	C21-C22-C23-C24
17	6	523	BCR	C37-C22-C23-C24
17	6	524	BCR	C7-C8-C9-C10
17	6	524	BCR	C7-C8-C9-C34
17	G	4001	BCR	C11-C12-C13-C14
17	G	4001	BCR	C37-C22-C23-C24
17	G	4008	BCR	C21-C22-C23-C24
17	G	4008	BCR	C37-C22-C23-C24
17	G	4008	BCR	C23-C24-C25-C26
17	G	4011	BCR	C36-C18-C19-C20
17	H	4004	BCR	C7-C8-C9-C10
17	H	4004	BCR	C7-C8-C9-C34
17	H	4004	BCR	C21-C22-C23-C24
17	H	4004	BCR	C37-C22-C23-C24
17	H	4004	BCR	C23-C24-C25-C30
17	H	4005	BCR	C7-C8-C9-C10
17	H	4005	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
17	H	4005	BCR	C21-C22-C23-C24
17	H	4005	BCR	C37-C22-C23-C24
17	H	4005	BCR	C23-C24-C25-C30
17	H	4010	BCR	C23-C24-C25-C26
17	H	4017	BCR	C1-C6-C7-C8
17	H	4014	BCR	C17-C18-C19-C20
17	H	4014	BCR	C36-C18-C19-C20
17	T	4013	BCR	C17-C18-C19-C20
17	T	4013	BCR	C36-C18-C19-C20
17	T	4015	BCR	C23-C24-C25-C30
17	T	4012	BCR	C5-C6-C7-C8
17	T	4012	BCR	C11-C12-C13-C14
17	T	4012	BCR	C11-C12-C13-C35
17	U	4104	BCR	C21-C22-C23-C24
17	U	4104	BCR	C37-C22-C23-C24
17	V	4019	BCR	C7-C8-C9-C10
17	V	4019	BCR	C7-C8-C9-C34
17	V	4219	BCR	C7-C8-C9-C10
17	W	4021	BCR	C5-C6-C7-C8
17	W	4021	BCR	C11-C12-C13-C35
17	W	4021	BCR	C17-C18-C19-C20
17	W	4021	BCR	C36-C18-C19-C20
17	Y	521	BCR	C7-C8-C9-C10
17	Y	521	BCR	C7-C8-C9-C34
17	Y	522	BCR	C1-C6-C7-C8
17	Y	522	BCR	C5-C6-C7-C8
17	Y	522	BCR	C7-C8-C9-C10
17	Y	522	BCR	C7-C8-C9-C34
17	Y	523	BCR	C21-C22-C23-C24
17	Y	523	BCR	C37-C22-C23-C24
17	Z	521	BCR	C7-C8-C9-C10
17	Z	521	BCR	C7-C8-C9-C34
17	Z	522	BCR	C5-C6-C7-C8
17	Z	522	BCR	C7-C8-C9-C10
17	Z	522	BCR	C7-C8-C9-C34
17	Z	523	BCR	C21-C22-C23-C24
17	Z	523	BCR	C37-C22-C23-C24
17	a	521	BCR	C7-C8-C9-C34
17	a	522	BCR	C7-C8-C9-C10
17	a	522	BCR	C7-C8-C9-C34
17	a	523	BCR	C37-C22-C23-C24
17	b	521	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
17	b	521	BCR	C7-C8-C9-C34
17	b	523	BCR	C37-C22-C23-C24
17	c	521	BCR	C7-C8-C9-C10
17	c	521	BCR	C7-C8-C9-C34
17	c	521	BCR	C17-C18-C19-C20
17	c	521	BCR	C36-C18-C19-C20
17	c	522	BCR	C5-C6-C7-C8
17	c	522	BCR	C7-C8-C9-C10
17	c	522	BCR	C7-C8-C9-C34
17	c	523	BCR	C21-C22-C23-C24
17	c	523	BCR	C37-C22-C23-C24
17	d	522	BCR	C5-C6-C7-C8
17	d	523	BCR	C21-C22-C23-C24
17	d	523	BCR	C37-C22-C23-C24
17	d	524	BCR	C7-C8-C9-C10
17	d	524	BCR	C7-C8-C9-C34
17	e	4001	BCR	C11-C12-C13-C14
17	e	4001	BCR	C37-C22-C23-C24
17	e	4008	BCR	C21-C22-C23-C24
17	e	4008	BCR	C37-C22-C23-C24
17	e	4008	BCR	C23-C24-C25-C26
17	e	4011	BCR	C36-C18-C19-C20
17	f	4004	BCR	C7-C8-C9-C10
17	f	4004	BCR	C7-C8-C9-C34
17	f	4004	BCR	C21-C22-C23-C24
17	f	4004	BCR	C37-C22-C23-C24
17	f	4004	BCR	C23-C24-C25-C30
17	f	4005	BCR	C7-C8-C9-C10
17	f	4005	BCR	C7-C8-C9-C34
17	f	4005	BCR	C21-C22-C23-C24
17	f	4005	BCR	C37-C22-C23-C24
17	f	4005	BCR	C23-C24-C25-C30
17	f	4010	BCR	C23-C24-C25-C26
17	f	4017	BCR	C1-C6-C7-C8
17	f	4014	BCR	C17-C18-C19-C20
17	f	4014	BCR	C36-C18-C19-C20
17	l	4013	BCR	C17-C18-C19-C20
17	l	4013	BCR	C36-C18-C19-C20
17	l	4015	BCR	C23-C24-C25-C30
17	l	4012	BCR	C5-C6-C7-C8
17	l	4012	BCR	C11-C12-C13-C14
17	l	4012	BCR	C11-C12-C13-C35

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Mol	Chain	Res	Type	Atoms
17	m	4104	BCR	C21-C22-C23-C24
17	m	4104	BCR	C37-C22-C23-C24
17	n	4019	BCR	C7-C8-C9-C10
17	n	4019	BCR	C7-C8-C9-C34
17	n	4219	BCR	C7-C8-C9-C10
17	o	4021	BCR	C5-C6-C7-C8
17	o	4021	BCR	C11-C12-C13-C35
17	o	4021	BCR	C17-C18-C19-C20
17	o	4021	BCR	C36-C18-C19-C20
17	q	521	BCR	C7-C8-C9-C10
17	q	521	BCR	C7-C8-C9-C34
17	q	522	BCR	C1-C6-C7-C8
17	q	522	BCR	C5-C6-C7-C8
17	q	522	BCR	C7-C8-C9-C10
17	q	522	BCR	C7-C8-C9-C34
17	q	523	BCR	C21-C22-C23-C24
17	q	523	BCR	C37-C22-C23-C24
17	r	521	BCR	C7-C8-C9-C10
17	r	521	BCR	C7-C8-C9-C34
17	r	522	BCR	C5-C6-C7-C8
17	r	522	BCR	C7-C8-C9-C10
17	r	522	BCR	C7-C8-C9-C34
17	r	523	BCR	C21-C22-C23-C24
17	r	523	BCR	C37-C22-C23-C24
17	s	521	BCR	C7-C8-C9-C34
17	s	522	BCR	C7-C8-C9-C10
17	s	522	BCR	C7-C8-C9-C34
17	s	523	BCR	C37-C22-C23-C24
17	t	521	BCR	C7-C8-C9-C10
17	t	521	BCR	C7-C8-C9-C34
17	t	523	BCR	C37-C22-C23-C24
17	u	521	BCR	C7-C8-C9-C10
17	u	521	BCR	C7-C8-C9-C34
17	u	521	BCR	C17-C18-C19-C20
17	u	521	BCR	C36-C18-C19-C20
17	u	522	BCR	C5-C6-C7-C8
17	u	522	BCR	C7-C8-C9-C10
17	u	522	BCR	C7-C8-C9-C34
17	u	523	BCR	C21-C22-C23-C24
17	u	523	BCR	C37-C22-C23-C24
17	v	522	BCR	C5-C6-C7-C8
17	v	523	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
17	v	523	BCR	C37-C22-C23-C24
17	v	524	BCR	C7-C8-C9-C10
17	v	524	BCR	C7-C8-C9-C34
18	A	5002	LHG	O2-C2-C3-O3
18	A	5002	LHG	O9-C7-O7-C5
18	A	5002	LHG	C8-C7-O7-C5
18	A	5004	LHG	O1-C1-C2-C3
18	A	5004	LHG	C3-O3-P-O4
18	A	5004	LHG	C3-O3-P-O6
18	A	5004	LHG	C8-C7-O7-C5
18	A	5005	LHG	C3-O3-P-O4
18	A	5006	LHG	C4-O6-P-O4
18	A	5008	LHG	C4-O6-P-O3
18	A	5008	LHG	O7-C5-C6-O8
18	A	5008	LHG	C8-C7-O7-C5
18	A	5009	LHG	C3-O3-P-O4
18	A	5009	LHG	C3-O3-P-O5
18	A	5009	LHG	C3-O3-P-O6
18	A	5009	LHG	C4-O6-P-O4
18	A	5009	LHG	O9-C7-O7-C5
18	B	1842	LHG	C3-O3-P-O5
18	B	1842	LHG	O9-C7-O7-C5
18	B	1842	LHG	C8-C7-O7-C5
18	B	1855	LHG	C3-O3-P-O4
18	B	1855	LHG	C4-O6-P-O5
18	I	5001	LHG	O1-C1-C2-C3
18	I	5001	LHG	C3-O3-P-O4
18	I	5001	LHG	O9-C7-O7-C5
18	I	5001	LHG	C8-C7-O7-C5
18	I	5001	LHG	C24-C23-O8-C6
18	L	5218	LHG	C3-O3-P-O4
18	L	5218	LHG	C3-O3-P-O5
18	L	5218	LHG	O7-C5-C6-O8
18	L	5218	LHG	C8-C7-O7-C5
18	L	5220	LHG	C4-O6-P-O5
18	L	5220	LHG	C8-C7-O7-C5
18	L	5221	LHG	O1-C1-C2-C3
18	L	5221	LHG	C3-O3-P-O5
18	L	5221	LHG	C4-O6-P-O3
18	L	5221	LHG	C4-O6-P-O5
18	G	5002	LHG	O2-C2-C3-O3
18	G	5002	LHG	O9-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
18	G	5002	LHG	C8-C7-O7-C5
18	G	5004	LHG	O1-C1-C2-C3
18	G	5004	LHG	C3-O3-P-O4
18	G	5004	LHG	C3-O3-P-O6
18	G	5004	LHG	C8-C7-O7-C5
18	G	5005	LHG	C3-O3-P-O4
18	G	5006	LHG	C4-O6-P-O4
18	G	5008	LHG	C4-O6-P-O3
18	G	5008	LHG	O7-C5-C6-O8
18	G	5008	LHG	C8-C7-O7-C5
18	G	5009	LHG	C3-O3-P-O4
18	G	5009	LHG	C3-O3-P-O5
18	G	5009	LHG	C3-O3-P-O6
18	G	5009	LHG	C4-O6-P-O4
18	G	5009	LHG	O9-C7-O7-C5
18	H	1842	LHG	C3-O3-P-O5
18	H	1842	LHG	O9-C7-O7-C5
18	H	1842	LHG	C8-C7-O7-C5
18	H	1855	LHG	C3-O3-P-O4
18	H	1855	LHG	C4-O6-P-O5
18	S	5001	LHG	O1-C1-C2-C3
18	S	5001	LHG	C3-O3-P-O4
18	S	5001	LHG	O9-C7-O7-C5
18	S	5001	LHG	C8-C7-O7-C5
18	S	5001	LHG	C24-C23-O8-C6
18	V	5218	LHG	C3-O3-P-O4
18	V	5218	LHG	C3-O3-P-O5
18	V	5218	LHG	O7-C5-C6-O8
18	V	5218	LHG	C8-C7-O7-C5
18	V	5220	LHG	C4-O6-P-O5
18	V	5220	LHG	C8-C7-O7-C5
18	V	5221	LHG	O1-C1-C2-C3
18	V	5221	LHG	C3-O3-P-O5
18	V	5221	LHG	C4-O6-P-O3
18	V	5221	LHG	C4-O6-P-O5
18	e	5002	LHG	O2-C2-C3-O3
18	e	5002	LHG	O9-C7-O7-C5
18	e	5002	LHG	C8-C7-O7-C5
18	e	5004	LHG	O1-C1-C2-C3
18	e	5004	LHG	C3-O3-P-O4
18	e	5004	LHG	C3-O3-P-O6
18	e	5004	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
18	e	5005	LHG	C3-O3-P-O4
18	e	5006	LHG	C4-O6-P-O4
18	e	5008	LHG	C4-O6-P-O3
18	e	5008	LHG	O7-C5-C6-O8
18	e	5008	LHG	C8-C7-O7-C5
18	e	5009	LHG	C3-O3-P-O4
18	e	5009	LHG	C3-O3-P-O5
18	e	5009	LHG	C3-O3-P-O6
18	e	5009	LHG	C4-O6-P-O4
18	e	5009	LHG	O9-C7-O7-C5
18	f	1842	LHG	C3-O3-P-O5
18	f	1842	LHG	O9-C7-O7-C5
18	f	1842	LHG	C8-C7-O7-C5
18	f	1855	LHG	C3-O3-P-O4
18	f	1855	LHG	C4-O6-P-O5
18	k	5001	LHG	O1-C1-C2-C3
18	k	5001	LHG	C3-O3-P-O4
18	k	5001	LHG	O9-C7-O7-C5
18	k	5001	LHG	C8-C7-O7-C5
18	k	5001	LHG	C24-C23-O8-C6
18	n	5218	LHG	C3-O3-P-O4
18	n	5218	LHG	C3-O3-P-O5
18	n	5218	LHG	O7-C5-C6-O8
18	n	5218	LHG	C8-C7-O7-C5
18	n	5220	LHG	C4-O6-P-O5
18	n	5220	LHG	C8-C7-O7-C5
18	n	5221	LHG	O1-C1-C2-C3
18	n	5221	LHG	C3-O3-P-O5
18	n	5221	LHG	C4-O6-P-O3
18	n	5221	LHG	C4-O6-P-O5
19	B	1843	LMU	C2 ² -C1 ¹ -O1 ¹ -C1
19	B	1843	LMU	O5 ¹ -C1 ¹ -O1 ¹ -C1
19	J	5105	LMU	C2 ² -C1 ¹ -O1 ¹ -C1
19	J	5105	LMU	O5 ¹ -C1 ¹ -O1 ¹ -C1
19	H	1843	LMU	C2 ² -C1 ¹ -O1 ¹ -C1
19	H	1843	LMU	O5 ¹ -C1 ¹ -O1 ¹ -C1
19	T	5105	LMU	C2 ² -C1 ¹ -O1 ¹ -C1
19	T	5105	LMU	O5 ¹ -C1 ¹ -O1 ¹ -C1
19	f	1843	LMU	C2 ² -C1 ¹ -O1 ¹ -C1
19	f	1843	LMU	O5 ¹ -C1 ¹ -O1 ¹ -C1
19	l	5105	LMU	C2 ² -C1 ¹ -O1 ¹ -C1
19	l	5105	LMU	O5 ¹ -C1 ¹ -O1 ¹ -C1

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Mol	Chain	Res	Type	Atoms
21	L	5216	SQD	C5-C6-S-O7
21	L	5216	SQD	C5-C6-S-O8
21	L	5216	SQD	C5-C6-S-O9
21	1	822	SQD	O47-C45-C46-O48
21	1	822	SQD	O49-C7-O47-C45
21	1	822	SQD	C8-C7-O47-C45
21	2	822	SQD	O49-C7-O47-C45
21	2	822	SQD	C8-C7-O47-C45
21	3	822	SQD	O47-C45-C46-O48
21	3	822	SQD	O49-C7-O47-C45
21	3	822	SQD	C8-C7-O47-C45
21	4	822	SQD	C8-C7-O47-C45
21	6	822	SQD	C46-C45-O47-C7
21	V	5216	SQD	C5-C6-S-O7
21	V	5216	SQD	C5-C6-S-O8
21	V	5216	SQD	C5-C6-S-O9
21	Y	822	SQD	O47-C45-C46-O48
21	Y	822	SQD	O49-C7-O47-C45
21	Y	822	SQD	C8-C7-O47-C45
21	Z	822	SQD	O49-C7-O47-C45
21	Z	822	SQD	C8-C7-O47-C45
21	a	822	SQD	O47-C45-C46-O48
21	a	822	SQD	O49-C7-O47-C45
21	a	822	SQD	C8-C7-O47-C45
21	b	822	SQD	C8-C7-O47-C45
21	d	822	SQD	C46-C45-O47-C7
21	n	5216	SQD	C5-C6-S-O7
21	n	5216	SQD	C5-C6-S-O8
21	n	5216	SQD	C5-C6-S-O9
21	q	822	SQD	O47-C45-C46-O48
21	q	822	SQD	O49-C7-O47-C45
21	q	822	SQD	C8-C7-O47-C45
21	r	822	SQD	O49-C7-O47-C45
21	r	822	SQD	C8-C7-O47-C45
21	s	822	SQD	O47-C45-C46-O48
21	s	822	SQD	O49-C7-O47-C45
21	s	822	SQD	C8-C7-O47-C45
21	t	822	SQD	C8-C7-O47-C45
21	v	822	SQD	C46-C45-O47-C7
21	4	822	SQD	O49-C7-O47-C45
21	5	822	SQD	O49-C7-O47-C45
21	5	822	SQD	C8-C7-O47-C45

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Mol	Chain	Res	Type	Atoms
21	6	822	SQD	C8-C7-O47-C45
21	b	822	SQD	O49-C7-O47-C45
21	c	822	SQD	O49-C7-O47-C45
21	c	822	SQD	C8-C7-O47-C45
21	d	822	SQD	C8-C7-O47-C45
21	t	822	SQD	O49-C7-O47-C45
21	u	822	SQD	O49-C7-O47-C45
21	u	822	SQD	C8-C7-O47-C45
21	v	822	SQD	C8-C7-O47-C45
14	A	1139	CLA	O1D-CGD-O2D-CED
14	B	1023	CLA	O1D-CGD-O2D-CED
14	2	513	CLA	O1D-CGD-O2D-CED
14	3	511	CLA	O1D-CGD-O2D-CED
14	4	501	CLA	O1D-CGD-O2D-CED
14	4	506	CLA	O1D-CGD-O2D-CED
14	5	506	CLA	O1D-CGD-O2D-CED
14	5	513	CLA	O1D-CGD-O2D-CED
14	6	503	CLA	O1D-CGD-O2D-CED
14	6	511	CLA	O1D-CGD-O2D-CED
14	6	518	CLA	O1D-CGD-O2D-CED
14	G	1139	CLA	O1D-CGD-O2D-CED
14	H	1023	CLA	O1D-CGD-O2D-CED
14	Z	513	CLA	O1D-CGD-O2D-CED
14	a	511	CLA	O1D-CGD-O2D-CED
14	b	501	CLA	O1D-CGD-O2D-CED
14	b	506	CLA	O1D-CGD-O2D-CED
14	c	506	CLA	O1D-CGD-O2D-CED
14	c	513	CLA	O1D-CGD-O2D-CED
14	d	503	CLA	O1D-CGD-O2D-CED
14	d	511	CLA	O1D-CGD-O2D-CED
14	d	518	CLA	O1D-CGD-O2D-CED
14	e	1139	CLA	O1D-CGD-O2D-CED
14	f	1023	CLA	O1D-CGD-O2D-CED
14	r	513	CLA	O1D-CGD-O2D-CED
14	s	511	CLA	O1D-CGD-O2D-CED
14	t	501	CLA	O1D-CGD-O2D-CED
14	t	506	CLA	O1D-CGD-O2D-CED
14	u	506	CLA	O1D-CGD-O2D-CED
14	u	513	CLA	O1D-CGD-O2D-CED
14	v	503	CLA	O1D-CGD-O2D-CED
14	v	511	CLA	O1D-CGD-O2D-CED
14	v	518	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
21	6	822	SQD	O49-C7-O47-C45
21	d	822	SQD	O49-C7-O47-C45
21	v	822	SQD	O49-C7-O47-C45
14	B	1219	CLA	O1D-CGD-O2D-CED
14	1	506	CLA	O1D-CGD-O2D-CED
14	2	503	CLA	O1D-CGD-O2D-CED
14	3	503	CLA	O1D-CGD-O2D-CED
14	5	503	CLA	O1D-CGD-O2D-CED
14	5	519	CLA	O1D-CGD-O2D-CED
14	6	506	CLA	O1D-CGD-O2D-CED
14	H	1219	CLA	O1D-CGD-O2D-CED
14	Y	506	CLA	O1D-CGD-O2D-CED
14	Z	503	CLA	O1D-CGD-O2D-CED
14	a	503	CLA	O1D-CGD-O2D-CED
14	c	503	CLA	O1D-CGD-O2D-CED
14	c	519	CLA	O1D-CGD-O2D-CED
14	d	506	CLA	O1D-CGD-O2D-CED
14	f	1219	CLA	O1D-CGD-O2D-CED
14	q	506	CLA	O1D-CGD-O2D-CED
14	r	503	CLA	O1D-CGD-O2D-CED
14	s	503	CLA	O1D-CGD-O2D-CED
14	u	503	CLA	O1D-CGD-O2D-CED
14	u	519	CLA	O1D-CGD-O2D-CED
14	v	506	CLA	O1D-CGD-O2D-CED
21	4	822	SQD	C24-C23-O48-C46
21	b	822	SQD	C24-C23-O48-C46
21	t	822	SQD	C24-C23-O48-C46
14	A	1108	CLA	CBD-CGD-O2D-CED
14	A	1123	CLA	CBD-CGD-O2D-CED
14	A	1132	CLA	CBD-CGD-O2D-CED
14	A	1139	CLA	CBD-CGD-O2D-CED
14	A	1801	CLA	CBD-CGD-O2D-CED
14	B	1021	CLA	CBD-CGD-O2D-CED
14	B	1023	CLA	CBD-CGD-O2D-CED
14	B	1203	CLA	CBD-CGD-O2D-CED
14	B	1216	CLA	CBD-CGD-O2D-CED
14	B	1219	CLA	CBD-CGD-O2D-CED
14	B	1239	CLA	CBD-CGD-O2D-CED
14	B	1207	CLA	CBD-CGD-O2D-CED
14	F	1301	CLA	CBD-CGD-O2D-CED
14	1	506	CLA	CBD-CGD-O2D-CED
14	1	508	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	1	518	CLA	CBD-CGD-O2D-CED
14	2	503	CLA	CBD-CGD-O2D-CED
14	2	510	CLA	CBD-CGD-O2D-CED
14	2	516	CLA	CBD-CGD-O2D-CED
14	2	519	CLA	CBD-CGD-O2D-CED
14	3	503	CLA	CBD-CGD-O2D-CED
14	3	506	CLA	CBD-CGD-O2D-CED
14	3	513	CLA	CBD-CGD-O2D-CED
14	4	504	CLA	CBD-CGD-O2D-CED
14	4	506	CLA	CBD-CGD-O2D-CED
14	4	510	CLA	CBD-CGD-O2D-CED
14	4	511	CLA	CBD-CGD-O2D-CED
14	4	517	CLA	CBD-CGD-O2D-CED
14	4	518	CLA	CBD-CGD-O2D-CED
14	5	503	CLA	CBD-CGD-O2D-CED
14	5	504	CLA	CBD-CGD-O2D-CED
14	5	506	CLA	CBD-CGD-O2D-CED
14	6	501	CLA	CBD-CGD-O2D-CED
14	6	503	CLA	CBD-CGD-O2D-CED
14	6	506	CLA	CBD-CGD-O2D-CED
14	6	511	CLA	CBD-CGD-O2D-CED
14	6	517	CLA	CBD-CGD-O2D-CED
14	6	518	CLA	CBD-CGD-O2D-CED
14	6	519	CLA	CBD-CGD-O2D-CED
14	G	1108	CLA	CBD-CGD-O2D-CED
14	G	1123	CLA	CBD-CGD-O2D-CED
14	G	1132	CLA	CBD-CGD-O2D-CED
14	G	1139	CLA	CBD-CGD-O2D-CED
14	G	1801	CLA	CBD-CGD-O2D-CED
14	H	1021	CLA	CBD-CGD-O2D-CED
14	H	1023	CLA	CBD-CGD-O2D-CED
14	H	1203	CLA	CBD-CGD-O2D-CED
14	H	1216	CLA	CBD-CGD-O2D-CED
14	H	1219	CLA	CBD-CGD-O2D-CED
14	H	1207	CLA	CBD-CGD-O2D-CED
14	R	1301	CLA	CBD-CGD-O2D-CED
14	Y	506	CLA	CBD-CGD-O2D-CED
14	Y	508	CLA	CBD-CGD-O2D-CED
14	Y	518	CLA	CBD-CGD-O2D-CED
14	Z	503	CLA	CBD-CGD-O2D-CED
14	Z	510	CLA	CBD-CGD-O2D-CED
14	Z	516	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	519	CLA	CBD-CGD-O2D-CED
14	a	503	CLA	CBD-CGD-O2D-CED
14	a	506	CLA	CBD-CGD-O2D-CED
14	a	513	CLA	CBD-CGD-O2D-CED
14	b	504	CLA	CBD-CGD-O2D-CED
14	b	506	CLA	CBD-CGD-O2D-CED
14	b	510	CLA	CBD-CGD-O2D-CED
14	b	511	CLA	CBD-CGD-O2D-CED
14	b	517	CLA	CBD-CGD-O2D-CED
14	b	518	CLA	CBD-CGD-O2D-CED
14	c	503	CLA	CBD-CGD-O2D-CED
14	c	504	CLA	CBD-CGD-O2D-CED
14	c	506	CLA	CBD-CGD-O2D-CED
14	d	501	CLA	CBD-CGD-O2D-CED
14	d	503	CLA	CBD-CGD-O2D-CED
14	d	506	CLA	CBD-CGD-O2D-CED
14	d	511	CLA	CBD-CGD-O2D-CED
14	d	517	CLA	CBD-CGD-O2D-CED
14	d	518	CLA	CBD-CGD-O2D-CED
14	d	519	CLA	CBD-CGD-O2D-CED
14	e	1108	CLA	CBD-CGD-O2D-CED
14	e	1123	CLA	CBD-CGD-O2D-CED
14	e	1132	CLA	CBD-CGD-O2D-CED
14	e	1139	CLA	CBD-CGD-O2D-CED
14	e	1801	CLA	CBD-CGD-O2D-CED
14	f	1021	CLA	CBD-CGD-O2D-CED
14	f	1023	CLA	CBD-CGD-O2D-CED
14	f	1203	CLA	CBD-CGD-O2D-CED
14	f	1216	CLA	CBD-CGD-O2D-CED
14	f	1219	CLA	CBD-CGD-O2D-CED
14	f	1239	CLA	CBD-CGD-O2D-CED
14	f	1207	CLA	CBD-CGD-O2D-CED
14	j	1301	CLA	CBD-CGD-O2D-CED
14	q	506	CLA	CBD-CGD-O2D-CED
14	q	508	CLA	CBD-CGD-O2D-CED
14	q	518	CLA	CBD-CGD-O2D-CED
14	r	503	CLA	CBD-CGD-O2D-CED
14	r	510	CLA	CBD-CGD-O2D-CED
14	r	516	CLA	CBD-CGD-O2D-CED
14	r	519	CLA	CBD-CGD-O2D-CED
14	s	503	CLA	CBD-CGD-O2D-CED
14	s	506	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	s	513	CLA	CBD-CGD-O2D-CED
14	t	504	CLA	CBD-CGD-O2D-CED
14	t	506	CLA	CBD-CGD-O2D-CED
14	t	510	CLA	CBD-CGD-O2D-CED
14	t	511	CLA	CBD-CGD-O2D-CED
14	t	517	CLA	CBD-CGD-O2D-CED
14	t	518	CLA	CBD-CGD-O2D-CED
14	u	503	CLA	CBD-CGD-O2D-CED
14	u	504	CLA	CBD-CGD-O2D-CED
14	u	506	CLA	CBD-CGD-O2D-CED
14	v	501	CLA	CBD-CGD-O2D-CED
14	v	503	CLA	CBD-CGD-O2D-CED
14	v	506	CLA	CBD-CGD-O2D-CED
14	v	511	CLA	CBD-CGD-O2D-CED
14	v	517	CLA	CBD-CGD-O2D-CED
14	v	518	CLA	CBD-CGD-O2D-CED
14	v	519	CLA	CBD-CGD-O2D-CED
14	A	1109	CLA	O1A-CGA-O2A-C1
14	B	1209	CLA	O1A-CGA-O2A-C1
14	B	1227	CLA	O1A-CGA-O2A-C1
14	3	505	CLA	O1A-CGA-O2A-C1
14	6	505	CLA	O1A-CGA-O2A-C1
14	G	1109	CLA	O1A-CGA-O2A-C1
14	H	1209	CLA	O1A-CGA-O2A-C1
14	H	1227	CLA	O1A-CGA-O2A-C1
14	a	505	CLA	O1A-CGA-O2A-C1
14	d	505	CLA	O1A-CGA-O2A-C1
14	e	1109	CLA	O1A-CGA-O2A-C1
14	f	1209	CLA	O1A-CGA-O2A-C1
14	f	1227	CLA	O1A-CGA-O2A-C1
14	s	505	CLA	O1A-CGA-O2A-C1
14	v	505	CLA	O1A-CGA-O2A-C1
18	I	5001	LHG	O10-C23-O8-C6
18	L	5221	LHG	O10-C23-O8-C6
18	S	5001	LHG	O10-C23-O8-C6
18	V	5221	LHG	O10-C23-O8-C6
18	k	5001	LHG	O10-C23-O8-C6
18	n	5221	LHG	O10-C23-O8-C6
14	A	1108	CLA	O1D-CGD-O2D-CED
14	1	516	CLA	O1D-CGD-O2D-CED
14	2	516	CLA	O1D-CGD-O2D-CED
14	3	506	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	4	504	CLA	O1D-CGD-O2D-CED
14	6	513	CLA	O1D-CGD-O2D-CED
14	G	1108	CLA	O1D-CGD-O2D-CED
14	Z	516	CLA	O1D-CGD-O2D-CED
14	a	506	CLA	O1D-CGD-O2D-CED
14	b	504	CLA	O1D-CGD-O2D-CED
14	d	513	CLA	O1D-CGD-O2D-CED
14	e	1108	CLA	O1D-CGD-O2D-CED
14	q	516	CLA	O1D-CGD-O2D-CED
14	r	516	CLA	O1D-CGD-O2D-CED
14	s	506	CLA	O1D-CGD-O2D-CED
14	t	504	CLA	O1D-CGD-O2D-CED
14	v	513	CLA	O1D-CGD-O2D-CED
14	v	516	CLA	O1D-CGD-O2D-CED
14	K	1105	CLA	C4C-C3C-CAC-CBC
14	U	1105	CLA	C4C-C3C-CAC-CBC
14	m	1105	CLA	C4C-C3C-CAC-CBC
14	B	1021	CLA	O1D-CGD-O2D-CED
14	K	1105	CLA	O1D-CGD-O2D-CED
14	1	510	CLA	O1D-CGD-O2D-CED
14	2	501	CLA	O1D-CGD-O2D-CED
14	2	517	CLA	O1D-CGD-O2D-CED
14	3	517	CLA	O1D-CGD-O2D-CED
14	5	501	CLA	O1D-CGD-O2D-CED
14	5	502	CLA	O1D-CGD-O2D-CED
14	5	511	CLA	O1D-CGD-O2D-CED
14	5	517	CLA	O1D-CGD-O2D-CED
14	6	507	CLA	O1D-CGD-O2D-CED
14	6	516	CLA	O1D-CGD-O2D-CED
14	H	1021	CLA	O1D-CGD-O2D-CED
14	U	1105	CLA	O1D-CGD-O2D-CED
14	Y	510	CLA	O1D-CGD-O2D-CED
14	Y	516	CLA	O1D-CGD-O2D-CED
14	Z	501	CLA	O1D-CGD-O2D-CED
14	Z	517	CLA	O1D-CGD-O2D-CED
14	a	517	CLA	O1D-CGD-O2D-CED
14	c	501	CLA	O1D-CGD-O2D-CED
14	c	502	CLA	O1D-CGD-O2D-CED
14	c	511	CLA	O1D-CGD-O2D-CED
14	c	517	CLA	O1D-CGD-O2D-CED
14	d	507	CLA	O1D-CGD-O2D-CED
14	d	516	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	f	1021	CLA	O1D-CGD-O2D-CED
14	m	1105	CLA	O1D-CGD-O2D-CED
14	q	510	CLA	O1D-CGD-O2D-CED
14	r	501	CLA	O1D-CGD-O2D-CED
14	r	517	CLA	O1D-CGD-O2D-CED
14	s	517	CLA	O1D-CGD-O2D-CED
14	u	501	CLA	O1D-CGD-O2D-CED
14	u	502	CLA	O1D-CGD-O2D-CED
14	u	511	CLA	O1D-CGD-O2D-CED
14	u	517	CLA	O1D-CGD-O2D-CED
14	v	507	CLA	O1D-CGD-O2D-CED
14	A	1109	CLA	CBA-CGA-O2A-C1
14	B	1206	CLA	CBA-CGA-O2A-C1
14	B	1209	CLA	CBA-CGA-O2A-C1
14	6	505	CLA	CBA-CGA-O2A-C1
14	G	1109	CLA	CBA-CGA-O2A-C1
14	H	1206	CLA	CBA-CGA-O2A-C1
14	H	1209	CLA	CBA-CGA-O2A-C1
14	d	505	CLA	CBA-CGA-O2A-C1
14	e	1109	CLA	CBA-CGA-O2A-C1
14	f	1206	CLA	CBA-CGA-O2A-C1
14	f	1209	CLA	CBA-CGA-O2A-C1
14	v	505	CLA	CBA-CGA-O2A-C1
14	A	1106	CLA	CBD-CGD-O2D-CED
14	A	1111	CLA	CBD-CGD-O2D-CED
14	A	1115	CLA	CBD-CGD-O2D-CED
14	A	1126	CLA	CBD-CGD-O2D-CED
14	A	1131	CLA	CBD-CGD-O2D-CED
14	A	1022	CLA	CBD-CGD-O2D-CED
14	B	1204	CLA	CBD-CGD-O2D-CED
14	B	1209	CLA	CBD-CGD-O2D-CED
14	B	1229	CLA	CBD-CGD-O2D-CED
14	K	1103	CLA	CBD-CGD-O2D-CED
14	L	1503	CLA	CBD-CGD-O2D-CED
14	1	507	CLA	CBD-CGD-O2D-CED
14	1	512	CLA	CBD-CGD-O2D-CED
14	3	518	CLA	CBD-CGD-O2D-CED
14	3	519	CLA	CBD-CGD-O2D-CED
14	4	507	CLA	CBD-CGD-O2D-CED
14	4	509	CLA	CBD-CGD-O2D-CED
14	4	513	CLA	CBD-CGD-O2D-CED
14	G	1106	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	1111	CLA	CBD-CGD-O2D-CED
14	G	1115	CLA	CBD-CGD-O2D-CED
14	G	1126	CLA	CBD-CGD-O2D-CED
14	G	1131	CLA	CBD-CGD-O2D-CED
14	G	1022	CLA	CBD-CGD-O2D-CED
14	H	1204	CLA	CBD-CGD-O2D-CED
14	H	1209	CLA	CBD-CGD-O2D-CED
14	H	1229	CLA	CBD-CGD-O2D-CED
14	U	1103	CLA	CBD-CGD-O2D-CED
14	V	1503	CLA	CBD-CGD-O2D-CED
14	Y	507	CLA	CBD-CGD-O2D-CED
14	Y	512	CLA	CBD-CGD-O2D-CED
14	a	518	CLA	CBD-CGD-O2D-CED
14	a	519	CLA	CBD-CGD-O2D-CED
14	b	507	CLA	CBD-CGD-O2D-CED
14	b	509	CLA	CBD-CGD-O2D-CED
14	b	513	CLA	CBD-CGD-O2D-CED
14	e	1106	CLA	CBD-CGD-O2D-CED
14	e	1111	CLA	CBD-CGD-O2D-CED
14	e	1115	CLA	CBD-CGD-O2D-CED
14	e	1126	CLA	CBD-CGD-O2D-CED
14	e	1131	CLA	CBD-CGD-O2D-CED
14	e	1022	CLA	CBD-CGD-O2D-CED
14	f	1204	CLA	CBD-CGD-O2D-CED
14	f	1209	CLA	CBD-CGD-O2D-CED
14	f	1229	CLA	CBD-CGD-O2D-CED
14	m	1103	CLA	CBD-CGD-O2D-CED
14	n	1503	CLA	CBD-CGD-O2D-CED
14	q	507	CLA	CBD-CGD-O2D-CED
14	q	512	CLA	CBD-CGD-O2D-CED
14	s	518	CLA	CBD-CGD-O2D-CED
14	s	519	CLA	CBD-CGD-O2D-CED
14	t	507	CLA	CBD-CGD-O2D-CED
14	t	509	CLA	CBD-CGD-O2D-CED
14	t	513	CLA	CBD-CGD-O2D-CED
14	A	1110	CLA	O1A-CGA-O2A-C1
14	A	1119	CLA	O1A-CGA-O2A-C1
14	A	1140	CLA	O1A-CGA-O2A-C1
14	B	1206	CLA	O1A-CGA-O2A-C1
14	B	1217	CLA	O1A-CGA-O2A-C1
14	B	1240	CLA	O1A-CGA-O2A-C1
14	B	1207	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	2	505	CLA	O1A-CGA-O2A-C1
14	G	1110	CLA	O1A-CGA-O2A-C1
14	G	1119	CLA	O1A-CGA-O2A-C1
14	G	1140	CLA	O1A-CGA-O2A-C1
14	H	1206	CLA	O1A-CGA-O2A-C1
14	H	1217	CLA	O1A-CGA-O2A-C1
14	H	1240	CLA	O1A-CGA-O2A-C1
14	H	1207	CLA	O1A-CGA-O2A-C1
14	Z	505	CLA	O1A-CGA-O2A-C1
14	e	1110	CLA	O1A-CGA-O2A-C1
14	e	1119	CLA	O1A-CGA-O2A-C1
14	e	1140	CLA	O1A-CGA-O2A-C1
14	f	1206	CLA	O1A-CGA-O2A-C1
14	f	1217	CLA	O1A-CGA-O2A-C1
14	f	1240	CLA	O1A-CGA-O2A-C1
14	f	1207	CLA	O1A-CGA-O2A-C1
14	r	505	CLA	O1A-CGA-O2A-C1
18	A	5006	LHG	O10-C23-O8-C6
18	A	5009	LHG	O10-C23-O8-C6
18	L	5220	LHG	O10-C23-O8-C6
18	G	5006	LHG	O10-C23-O8-C6
18	G	5009	LHG	O10-C23-O8-C6
18	V	5220	LHG	O10-C23-O8-C6
18	e	5006	LHG	O10-C23-O8-C6
18	e	5009	LHG	O10-C23-O8-C6
18	n	5220	LHG	O10-C23-O8-C6
21	1	822	SQD	O10-C23-O48-C46
21	Y	822	SQD	O10-C23-O48-C46
21	q	822	SQD	O10-C23-O48-C46
14	A	1119	CLA	O1D-CGD-O2D-CED
14	A	1138	CLA	O1D-CGD-O2D-CED
14	1	501	CLA	O1D-CGD-O2D-CED
14	G	1119	CLA	O1D-CGD-O2D-CED
14	G	1138	CLA	O1D-CGD-O2D-CED
14	Y	501	CLA	O1D-CGD-O2D-CED
14	e	1119	CLA	O1D-CGD-O2D-CED
14	e	1138	CLA	O1D-CGD-O2D-CED
14	q	501	CLA	O1D-CGD-O2D-CED
14	J	1302	CLA	O1D-CGD-O2D-CED
14	1	503	CLA	O1D-CGD-O2D-CED
14	2	506	CLA	O1D-CGD-O2D-CED
14	4	518	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	5	507	CLA	O1D-CGD-O2D-CED
14	T	1302	CLA	O1D-CGD-O2D-CED
14	Y	503	CLA	O1D-CGD-O2D-CED
14	Z	506	CLA	O1D-CGD-O2D-CED
14	b	518	CLA	O1D-CGD-O2D-CED
14	c	507	CLA	O1D-CGD-O2D-CED
14	l	1302	CLA	O1D-CGD-O2D-CED
14	q	503	CLA	O1D-CGD-O2D-CED
14	r	506	CLA	O1D-CGD-O2D-CED
14	t	518	CLA	O1D-CGD-O2D-CED
14	u	507	CLA	O1D-CGD-O2D-CED
14	A	1013	CLA	CBD-CGD-O2D-CED
14	A	1121	CLA	CBD-CGD-O2D-CED
14	A	1237	CLA	CBD-CGD-O2D-CED
14	B	1201	CLA	CBD-CGD-O2D-CED
14	B	1231	CLA	CBD-CGD-O2D-CED
14	B	1234	CLA	CBD-CGD-O2D-CED
14	2	507	CLA	CBD-CGD-O2D-CED
14	3	505	CLA	CBD-CGD-O2D-CED
14	4	508	CLA	CBD-CGD-O2D-CED
14	G	1013	CLA	CBD-CGD-O2D-CED
14	G	1121	CLA	CBD-CGD-O2D-CED
14	G	1237	CLA	CBD-CGD-O2D-CED
14	H	1201	CLA	CBD-CGD-O2D-CED
14	H	1231	CLA	CBD-CGD-O2D-CED
14	H	1234	CLA	CBD-CGD-O2D-CED
14	Z	507	CLA	CBD-CGD-O2D-CED
14	a	505	CLA	CBD-CGD-O2D-CED
14	b	508	CLA	CBD-CGD-O2D-CED
14	e	1013	CLA	CBD-CGD-O2D-CED
14	e	1121	CLA	CBD-CGD-O2D-CED
14	e	1237	CLA	CBD-CGD-O2D-CED
14	f	1201	CLA	CBD-CGD-O2D-CED
14	f	1231	CLA	CBD-CGD-O2D-CED
14	f	1234	CLA	CBD-CGD-O2D-CED
14	r	507	CLA	CBD-CGD-O2D-CED
14	s	505	CLA	CBD-CGD-O2D-CED
14	t	508	CLA	CBD-CGD-O2D-CED
14	B	1206	CLA	O1D-CGD-O2D-CED
14	B	1239	CLA	O1D-CGD-O2D-CED
14	4	519	CLA	O1D-CGD-O2D-CED
14	H	1206	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	H	1239	CLA	O1D-CGD-O2D-CED
14	b	519	CLA	O1D-CGD-O2D-CED
14	f	1206	CLA	O1D-CGD-O2D-CED
14	f	1239	CLA	O1D-CGD-O2D-CED
14	t	519	CLA	O1D-CGD-O2D-CED
18	A	5004	LHG	O9-C7-O7-C5
18	A	5007	LHG	O9-C7-O7-C5
18	A	5008	LHG	O9-C7-O7-C5
18	B	1855	LHG	O9-C7-O7-C5
18	L	5218	LHG	O9-C7-O7-C5
18	L	5220	LHG	O9-C7-O7-C5
18	G	5004	LHG	O9-C7-O7-C5
18	G	5007	LHG	O9-C7-O7-C5
18	G	5008	LHG	O9-C7-O7-C5
18	H	1855	LHG	O9-C7-O7-C5
18	V	5218	LHG	O9-C7-O7-C5
18	V	5220	LHG	O9-C7-O7-C5
18	e	5004	LHG	O9-C7-O7-C5
18	e	5007	LHG	O9-C7-O7-C5
18	e	5008	LHG	O9-C7-O7-C5
18	f	1855	LHG	O9-C7-O7-C5
18	n	5218	LHG	O9-C7-O7-C5
18	n	5220	LHG	O9-C7-O7-C5
18	L	5218	LHG	O10-C23-O8-C6
18	V	5218	LHG	O10-C23-O8-C6
18	n	5218	LHG	O10-C23-O8-C6
14	K	1105	CLA	C2C-C3C-CAC-CBC
14	U	1105	CLA	C2C-C3C-CAC-CBC
14	m	1105	CLA	C2C-C3C-CAC-CBC
14	A	1116	CLA	C3-C5-C6-C7
14	A	1118	CLA	C3-C5-C6-C7
14	A	1119	CLA	C3-C5-C6-C7
14	A	1121	CLA	C3-C5-C6-C7
14	A	1122	CLA	C3-C5-C6-C7
14	A	1133	CLA	C3-C5-C6-C7
14	A	1136	CLA	C3-C5-C6-C7
14	A	1139	CLA	C3-C5-C6-C7
14	B	1211	CLA	C3-C5-C6-C7
14	B	1231	CLA	C3-C5-C6-C7
14	B	1239	CLA	C3-C5-C6-C7
14	L	1503	CLA	C3-C5-C6-C7
14	2	501	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	2	505	CLA	C3-C5-C6-C7
14	2	518	CLA	C3-C5-C6-C7
14	6	505	CLA	C3-C5-C6-C7
14	G	1116	CLA	C3-C5-C6-C7
14	G	1118	CLA	C3-C5-C6-C7
14	G	1119	CLA	C3-C5-C6-C7
14	G	1121	CLA	C3-C5-C6-C7
14	G	1122	CLA	C3-C5-C6-C7
14	G	1133	CLA	C3-C5-C6-C7
14	G	1136	CLA	C3-C5-C6-C7
14	G	1139	CLA	C3-C5-C6-C7
14	H	1211	CLA	C3-C5-C6-C7
14	H	1231	CLA	C3-C5-C6-C7
14	H	1239	CLA	C3-C5-C6-C7
14	V	1503	CLA	C3-C5-C6-C7
14	Z	501	CLA	C3-C5-C6-C7
14	Z	505	CLA	C3-C5-C6-C7
14	Z	518	CLA	C3-C5-C6-C7
14	d	505	CLA	C3-C5-C6-C7
14	e	1116	CLA	C3-C5-C6-C7
14	e	1118	CLA	C3-C5-C6-C7
14	e	1119	CLA	C3-C5-C6-C7
14	e	1121	CLA	C3-C5-C6-C7
14	e	1122	CLA	C3-C5-C6-C7
14	e	1133	CLA	C3-C5-C6-C7
14	e	1136	CLA	C3-C5-C6-C7
14	e	1139	CLA	C3-C5-C6-C7
14	f	1211	CLA	C3-C5-C6-C7
14	f	1231	CLA	C3-C5-C6-C7
14	f	1239	CLA	C3-C5-C6-C7
14	n	1503	CLA	C3-C5-C6-C7
14	r	501	CLA	C3-C5-C6-C7
14	r	505	CLA	C3-C5-C6-C7
14	r	518	CLA	C3-C5-C6-C7
14	v	505	CLA	C3-C5-C6-C7
14	A	1110	CLA	CBA-CGA-O2A-C1
14	B	1217	CLA	CBA-CGA-O2A-C1
14	2	505	CLA	CBA-CGA-O2A-C1
14	3	505	CLA	CBA-CGA-O2A-C1
14	G	1110	CLA	CBA-CGA-O2A-C1
14	H	1217	CLA	CBA-CGA-O2A-C1
14	Z	505	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a	505	CLA	CBA-CGA-O2A-C1
14	e	1110	CLA	CBA-CGA-O2A-C1
14	f	1217	CLA	CBA-CGA-O2A-C1
14	r	505	CLA	CBA-CGA-O2A-C1
14	s	505	CLA	CBA-CGA-O2A-C1
18	A	5006	LHG	C24-C23-O8-C6
18	L	5218	LHG	C24-C23-O8-C6
18	L	5220	LHG	C24-C23-O8-C6
18	G	5006	LHG	C24-C23-O8-C6
18	V	5218	LHG	C24-C23-O8-C6
18	V	5220	LHG	C24-C23-O8-C6
18	e	5006	LHG	C24-C23-O8-C6
18	n	5218	LHG	C24-C23-O8-C6
18	n	5220	LHG	C24-C23-O8-C6
21	4	822	SQD	O10-C23-O48-C46
21	b	822	SQD	O10-C23-O48-C46
21	t	822	SQD	O10-C23-O48-C46
18	A	5009	LHG	C8-C7-O7-C5
18	G	5009	LHG	C8-C7-O7-C5
18	e	5009	LHG	C8-C7-O7-C5
14	3	513	CLA	O1D-CGD-O2D-CED
14	a	513	CLA	O1D-CGD-O2D-CED
14	s	513	CLA	O1D-CGD-O2D-CED
14	A	1011	CLA	CBD-CGD-O2D-CED
14	G	1011	CLA	CBD-CGD-O2D-CED
14	e	1011	CLA	CBD-CGD-O2D-CED
14	3	516	CLA	C2C-C3C-CAC-CBC
14	a	516	CLA	C2C-C3C-CAC-CBC
14	s	516	CLA	C2C-C3C-CAC-CBC
19	J	5105	LMU	O5'-C5'-C6'-O6'
19	T	5105	LMU	O5'-C5'-C6'-O6'
19	l	5105	LMU	O5'-C5'-C6'-O6'
14	A	1133	CLA	C4-C3-C5-C6
14	A	1130	CLA	C4-C3-C5-C6
14	L	1503	CLA	C4-C3-C5-C6
14	G	1133	CLA	C4-C3-C5-C6
14	G	1130	CLA	C4-C3-C5-C6
14	V	1503	CLA	C4-C3-C5-C6
14	e	1133	CLA	C4-C3-C5-C6
14	e	1130	CLA	C4-C3-C5-C6
14	n	1503	CLA	C4-C3-C5-C6
14	A	1104	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	1237	CLA	C2-C3-C5-C6
14	A	1130	CLA	C2-C3-C5-C6
14	G	1104	CLA	C2-C3-C5-C6
14	G	1237	CLA	C2-C3-C5-C6
14	G	1130	CLA	C2-C3-C5-C6
14	e	1104	CLA	C2-C3-C5-C6
14	e	1237	CLA	C2-C3-C5-C6
14	e	1130	CLA	C2-C3-C5-C6
14	A	1133	CLA	CBD-CGD-O2D-CED
14	B	1220	CLA	CBD-CGD-O2D-CED
14	2	504	CLA	CBD-CGD-O2D-CED
14	5	512	CLA	CBD-CGD-O2D-CED
14	6	512	CLA	CBD-CGD-O2D-CED
14	G	1133	CLA	CBD-CGD-O2D-CED
14	H	1220	CLA	CBD-CGD-O2D-CED
14	Z	504	CLA	CBD-CGD-O2D-CED
14	c	512	CLA	CBD-CGD-O2D-CED
14	d	512	CLA	CBD-CGD-O2D-CED
14	e	1133	CLA	CBD-CGD-O2D-CED
14	f	1220	CLA	CBD-CGD-O2D-CED
14	r	504	CLA	CBD-CGD-O2D-CED
14	u	512	CLA	CBD-CGD-O2D-CED
14	v	512	CLA	CBD-CGD-O2D-CED
14	A	1108	CLA	C2A-CAA-CBA-CGA
14	A	1119	CLA	C2A-CAA-CBA-CGA
14	A	1127	CLA	C2A-CAA-CBA-CGA
14	B	1012	CLA	C2A-CAA-CBA-CGA
14	B	1206	CLA	C2A-CAA-CBA-CGA
14	B	1221	CLA	C2A-CAA-CBA-CGA
14	B	1228	CLA	C2A-CAA-CBA-CGA
14	B	1232	CLA	C2A-CAA-CBA-CGA
14	B	1238	CLA	C2A-CAA-CBA-CGA
14	1	507	CLA	C2A-CAA-CBA-CGA
14	1	513	CLA	C2A-CAA-CBA-CGA
14	2	505	CLA	C2A-CAA-CBA-CGA
14	2	507	CLA	C2A-CAA-CBA-CGA
14	5	507	CLA	C2A-CAA-CBA-CGA
14	6	505	CLA	C2A-CAA-CBA-CGA
14	6	513	CLA	C2A-CAA-CBA-CGA
14	G	1108	CLA	C2A-CAA-CBA-CGA
14	G	1119	CLA	C2A-CAA-CBA-CGA
14	G	1127	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	H	1012	CLA	C2A-CAA-CBA-CGA
14	H	1206	CLA	C2A-CAA-CBA-CGA
14	H	1221	CLA	C2A-CAA-CBA-CGA
14	H	1228	CLA	C2A-CAA-CBA-CGA
14	H	1232	CLA	C2A-CAA-CBA-CGA
14	H	1238	CLA	C2A-CAA-CBA-CGA
14	Y	507	CLA	C2A-CAA-CBA-CGA
14	Y	513	CLA	C2A-CAA-CBA-CGA
14	Z	505	CLA	C2A-CAA-CBA-CGA
14	Z	507	CLA	C2A-CAA-CBA-CGA
14	c	507	CLA	C2A-CAA-CBA-CGA
14	d	505	CLA	C2A-CAA-CBA-CGA
14	d	513	CLA	C2A-CAA-CBA-CGA
14	e	1108	CLA	C2A-CAA-CBA-CGA
14	e	1119	CLA	C2A-CAA-CBA-CGA
14	e	1127	CLA	C2A-CAA-CBA-CGA
14	f	1012	CLA	C2A-CAA-CBA-CGA
14	f	1206	CLA	C2A-CAA-CBA-CGA
14	f	1221	CLA	C2A-CAA-CBA-CGA
14	f	1228	CLA	C2A-CAA-CBA-CGA
14	f	1232	CLA	C2A-CAA-CBA-CGA
14	f	1238	CLA	C2A-CAA-CBA-CGA
14	q	507	CLA	C2A-CAA-CBA-CGA
14	q	513	CLA	C2A-CAA-CBA-CGA
14	r	505	CLA	C2A-CAA-CBA-CGA
14	r	507	CLA	C2A-CAA-CBA-CGA
14	u	507	CLA	C2A-CAA-CBA-CGA
14	v	505	CLA	C2A-CAA-CBA-CGA
14	v	513	CLA	C2A-CAA-CBA-CGA
14	A	1801	CLA	O1D-CGD-O2D-CED
14	B	1216	CLA	O1D-CGD-O2D-CED
14	G	1801	CLA	O1D-CGD-O2D-CED
14	H	1216	CLA	O1D-CGD-O2D-CED
14	e	1801	CLA	O1D-CGD-O2D-CED
14	f	1216	CLA	O1D-CGD-O2D-CED
14	A	1102	CLA	C3-C5-C6-C7
14	B	1206	CLA	C3-C5-C6-C7
14	B	1232	CLA	C3-C5-C6-C7
14	G	1102	CLA	C3-C5-C6-C7
14	H	1206	CLA	C3-C5-C6-C7
14	H	1232	CLA	C3-C5-C6-C7
14	e	1102	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	f	1206	CLA	C3-C5-C6-C7
14	f	1232	CLA	C3-C5-C6-C7
14	A	1119	CLA	CBA-CGA-O2A-C1
14	A	1122	CLA	CBA-CGA-O2A-C1
14	A	1140	CLA	CBA-CGA-O2A-C1
14	B	1240	CLA	CBA-CGA-O2A-C1
14	B	1207	CLA	CBA-CGA-O2A-C1
14	B	1230	CLA	CBA-CGA-O2A-C1
14	K	1401	CLA	CBA-CGA-O2A-C1
14	G	1119	CLA	CBA-CGA-O2A-C1
14	G	1122	CLA	CBA-CGA-O2A-C1
14	G	1140	CLA	CBA-CGA-O2A-C1
14	H	1240	CLA	CBA-CGA-O2A-C1
14	H	1207	CLA	CBA-CGA-O2A-C1
14	H	1230	CLA	CBA-CGA-O2A-C1
14	U	1401	CLA	CBA-CGA-O2A-C1
14	e	1119	CLA	CBA-CGA-O2A-C1
14	e	1122	CLA	CBA-CGA-O2A-C1
14	e	1140	CLA	CBA-CGA-O2A-C1
14	f	1240	CLA	CBA-CGA-O2A-C1
14	f	1207	CLA	CBA-CGA-O2A-C1
14	f	1230	CLA	CBA-CGA-O2A-C1
14	m	1401	CLA	CBA-CGA-O2A-C1
18	A	5009	LHG	C24-C23-O8-C6
18	G	5009	LHG	C24-C23-O8-C6
18	e	5009	LHG	C24-C23-O8-C6
21	3	822	SQD	C24-C23-O48-C46
21	a	822	SQD	C24-C23-O48-C46
21	s	822	SQD	C24-C23-O48-C46
21	2	822	SQD	C24-C23-O48-C46
21	Z	822	SQD	C24-C23-O48-C46
21	r	822	SQD	C24-C23-O48-C46
14	F	1301	CLA	O1D-CGD-O2D-CED
14	6	517	CLA	O1D-CGD-O2D-CED
14	R	1301	CLA	O1D-CGD-O2D-CED
14	d	517	CLA	O1D-CGD-O2D-CED
14	j	1301	CLA	O1D-CGD-O2D-CED
14	v	517	CLA	O1D-CGD-O2D-CED
15	A	2001	PQN	C11-C12-C13-C14
15	B	2002	PQN	C11-C12-C13-C14
15	G	2001	PQN	C11-C12-C13-C14
15	H	2002	PQN	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
15	e	2001	PQN	C11-C12-C13-C14
15	f	2002	PQN	C11-C12-C13-C14
14	A	1113	CLA	CBD-CGD-O2D-CED
14	B	1012	CLA	CBD-CGD-O2D-CED
14	J	1303	CLA	CBD-CGD-O2D-CED
14	G	1113	CLA	CBD-CGD-O2D-CED
14	H	1012	CLA	CBD-CGD-O2D-CED
14	T	1303	CLA	CBD-CGD-O2D-CED
14	e	1113	CLA	CBD-CGD-O2D-CED
14	f	1012	CLA	CBD-CGD-O2D-CED
14	l	1303	CLA	CBD-CGD-O2D-CED
14	A	1123	CLA	O1D-CGD-O2D-CED
14	B	1203	CLA	O1D-CGD-O2D-CED
14	B	1207	CLA	O1D-CGD-O2D-CED
14	1	508	CLA	O1D-CGD-O2D-CED
14	6	519	CLA	O1D-CGD-O2D-CED
14	G	1123	CLA	O1D-CGD-O2D-CED
14	H	1203	CLA	O1D-CGD-O2D-CED
14	H	1207	CLA	O1D-CGD-O2D-CED
14	Y	508	CLA	O1D-CGD-O2D-CED
14	d	519	CLA	O1D-CGD-O2D-CED
14	e	1123	CLA	O1D-CGD-O2D-CED
14	f	1203	CLA	O1D-CGD-O2D-CED
14	f	1207	CLA	O1D-CGD-O2D-CED
14	q	508	CLA	O1D-CGD-O2D-CED
14	v	519	CLA	O1D-CGD-O2D-CED
21	B	1852	SQD	O49-C7-O47-C45
21	H	1852	SQD	O49-C7-O47-C45
21	f	1852	SQD	O49-C7-O47-C45
14	A	1130	CLA	O1A-CGA-O2A-C1
14	B	1230	CLA	O1A-CGA-O2A-C1
14	G	1130	CLA	O1A-CGA-O2A-C1
14	H	1230	CLA	O1A-CGA-O2A-C1
14	e	1130	CLA	O1A-CGA-O2A-C1
14	f	1230	CLA	O1A-CGA-O2A-C1
18	A	5001	LHG	O10-C23-O8-C6
18	G	5001	LHG	O10-C23-O8-C6
18	e	5001	LHG	O10-C23-O8-C6
21	3	822	SQD	O10-C23-O48-C46
21	a	822	SQD	O10-C23-O48-C46
21	s	822	SQD	O10-C23-O48-C46
21	2	822	SQD	O10-C23-O48-C46

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Mol	Chain	Res	Type	Atoms
21	Z	822	SQD	O10-C23-O48-C46
21	r	822	SQD	O10-C23-O48-C46
14	6	501	CLA	O1D-CGD-O2D-CED
14	d	501	CLA	O1D-CGD-O2D-CED
14	v	501	CLA	O1D-CGD-O2D-CED
19	A	1848	LMU	O5'-C5'-C6'-O6'
19	B	1843	LMU	O5B-C5B-C6B-O6B
19	G	1848	LMU	O5'-C5'-C6'-O6'
19	H	1843	LMU	O5B-C5B-C6B-O6B
19	e	1848	LMU	O5'-C5'-C6'-O6'
19	f	1843	LMU	O5B-C5B-C6B-O6B
14	A	1120	CLA	CBD-CGD-O2D-CED
14	A	1122	CLA	CBD-CGD-O2D-CED
14	B	1221	CLA	CBD-CGD-O2D-CED
14	B	1235	CLA	CBD-CGD-O2D-CED
14	B	1230	CLA	CBD-CGD-O2D-CED
14	1	511	CLA	CBD-CGD-O2D-CED
14	1	517	CLA	CBD-CGD-O2D-CED
14	5	510	CLA	CBD-CGD-O2D-CED
14	6	509	CLA	CBD-CGD-O2D-CED
14	G	1120	CLA	CBD-CGD-O2D-CED
14	G	1122	CLA	CBD-CGD-O2D-CED
14	H	1221	CLA	CBD-CGD-O2D-CED
14	H	1235	CLA	CBD-CGD-O2D-CED
14	H	1230	CLA	CBD-CGD-O2D-CED
14	Y	511	CLA	CBD-CGD-O2D-CED
14	Y	517	CLA	CBD-CGD-O2D-CED
14	c	510	CLA	CBD-CGD-O2D-CED
14	d	509	CLA	CBD-CGD-O2D-CED
14	e	1120	CLA	CBD-CGD-O2D-CED
14	e	1122	CLA	CBD-CGD-O2D-CED
14	f	1221	CLA	CBD-CGD-O2D-CED
14	f	1235	CLA	CBD-CGD-O2D-CED
14	f	1230	CLA	CBD-CGD-O2D-CED
14	q	511	CLA	CBD-CGD-O2D-CED
14	q	517	CLA	CBD-CGD-O2D-CED
14	u	510	CLA	CBD-CGD-O2D-CED
14	v	509	CLA	CBD-CGD-O2D-CED
14	2	519	CLA	O1D-CGD-O2D-CED
14	4	517	CLA	O1D-CGD-O2D-CED
14	Z	519	CLA	O1D-CGD-O2D-CED
14	b	517	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	r	519	CLA	O1D-CGD-O2D-CED
14	t	517	CLA	O1D-CGD-O2D-CED
18	A	5005	LHG	O2-C2-C3-O3
18	L	5220	LHG	O2-C2-C3-O3
18	G	5005	LHG	O2-C2-C3-O3
18	V	5220	LHG	O2-C2-C3-O3
18	e	5005	LHG	O2-C2-C3-O3
18	n	5220	LHG	O2-C2-C3-O3
14	A	1107	CLA	C3-C5-C6-C7
14	A	1108	CLA	C3-C5-C6-C7
14	A	1129	CLA	C3-C5-C6-C7
14	B	1205	CLA	C3-C5-C6-C7
14	G	1107	CLA	C3-C5-C6-C7
14	G	1108	CLA	C3-C5-C6-C7
14	G	1129	CLA	C3-C5-C6-C7
14	H	1205	CLA	C3-C5-C6-C7
14	e	1107	CLA	C3-C5-C6-C7
14	e	1108	CLA	C3-C5-C6-C7
14	e	1129	CLA	C3-C5-C6-C7
14	f	1205	CLA	C3-C5-C6-C7
14	A	1108	CLA	CBA-CGA-O2A-C1
14	A	1129	CLA	CBA-CGA-O2A-C1
14	A	1130	CLA	CBA-CGA-O2A-C1
14	B	1234	CLA	CBA-CGA-O2A-C1
14	G	1108	CLA	CBA-CGA-O2A-C1
14	G	1129	CLA	CBA-CGA-O2A-C1
14	G	1130	CLA	CBA-CGA-O2A-C1
14	H	1234	CLA	CBA-CGA-O2A-C1
14	e	1108	CLA	CBA-CGA-O2A-C1
14	e	1129	CLA	CBA-CGA-O2A-C1
14	e	1130	CLA	CBA-CGA-O2A-C1
14	f	1234	CLA	CBA-CGA-O2A-C1
18	L	5221	LHG	C24-C23-O8-C6
18	V	5221	LHG	C24-C23-O8-C6
18	n	5221	LHG	C24-C23-O8-C6
21	l	822	SQD	C24-C23-O48-C46
21	Y	822	SQD	C24-C23-O48-C46
21	q	822	SQD	C24-C23-O48-C46
19	B	1843	LMU	O5'-C5'-C6'-O6'
19	H	1843	LMU	O5'-C5'-C6'-O6'
19	f	1843	LMU	O5'-C5'-C6'-O6'
20	J	5104	LMG	O6-C5-C6-O5

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Mol	Chain	Res	Type	Atoms
20	T	5104	LMG	O6-C5-C6-O5
20	l	5104	LMG	O6-C5-C6-O5
19	B	1843	LMU	C4'-C5'-C6'-O6'
19	H	1843	LMU	C4'-C5'-C6'-O6'
19	f	1843	LMU	C4'-C5'-C6'-O6'
14	A	1132	CLA	O1D-CGD-O2D-CED
14	l	518	CLA	O1D-CGD-O2D-CED
14	4	510	CLA	O1D-CGD-O2D-CED
14	4	511	CLA	O1D-CGD-O2D-CED
14	5	504	CLA	O1D-CGD-O2D-CED
14	G	1132	CLA	O1D-CGD-O2D-CED
14	Y	518	CLA	O1D-CGD-O2D-CED
14	b	510	CLA	O1D-CGD-O2D-CED
14	b	511	CLA	O1D-CGD-O2D-CED
14	c	504	CLA	O1D-CGD-O2D-CED
14	e	1132	CLA	O1D-CGD-O2D-CED
14	q	518	CLA	O1D-CGD-O2D-CED
14	t	510	CLA	O1D-CGD-O2D-CED
14	t	511	CLA	O1D-CGD-O2D-CED
14	u	504	CLA	O1D-CGD-O2D-CED
14	A	1103	CLA	CBD-CGD-O2D-CED
14	G	1103	CLA	CBD-CGD-O2D-CED
14	e	1103	CLA	CBD-CGD-O2D-CED
18	B	1855	LHG	C5-C6-O8-C23
18	H	1855	LHG	C5-C6-O8-C23
18	f	1855	LHG	C5-C6-O8-C23
20	B	5002	LMG	O6-C5-C6-O5
20	H	5002	LMG	O6-C5-C6-O5
20	f	5002	LMG	O6-C5-C6-O5
14	A	1013	CLA	C3-C5-C6-C7
14	B	1215	CLA	C3-C5-C6-C7
14	G	1013	CLA	C3-C5-C6-C7
14	H	1215	CLA	C3-C5-C6-C7
14	e	1013	CLA	C3-C5-C6-C7
14	f	1215	CLA	C3-C5-C6-C7
19	B	1843	LMU	C4B-C5B-C6B-O6B
19	H	1843	LMU	C4B-C5B-C6B-O6B
19	f	1843	LMU	C4B-C5B-C6B-O6B
14	A	1122	CLA	O1A-CGA-O2A-C1
14	A	1129	CLA	O1A-CGA-O2A-C1
14	K	1401	CLA	O1A-CGA-O2A-C1
14	G	1108	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	1122	CLA	O1A-CGA-O2A-C1
14	G	1129	CLA	O1A-CGA-O2A-C1
14	U	1401	CLA	O1A-CGA-O2A-C1
14	e	1122	CLA	O1A-CGA-O2A-C1
14	e	1129	CLA	O1A-CGA-O2A-C1
14	m	1401	CLA	O1A-CGA-O2A-C1
14	A	1115	CLA	C4-C3-C5-C6
14	G	1115	CLA	C4-C3-C5-C6
14	e	1115	CLA	C4-C3-C5-C6
14	A	1115	CLA	C2-C3-C5-C6
14	A	1137	CLA	C2-C3-C5-C6
14	G	1115	CLA	C2-C3-C5-C6
14	G	1137	CLA	C2-C3-C5-C6
14	e	1115	CLA	C2-C3-C5-C6
14	e	1137	CLA	C2-C3-C5-C6
14	A	1134	CLA	C2A-CAA-CBA-CGA
14	B	1218	CLA	C2A-CAA-CBA-CGA
14	1	517	CLA	C2A-CAA-CBA-CGA
14	3	505	CLA	C2A-CAA-CBA-CGA
14	5	505	CLA	C2A-CAA-CBA-CGA
14	G	1134	CLA	C2A-CAA-CBA-CGA
14	H	1218	CLA	C2A-CAA-CBA-CGA
14	Y	517	CLA	C2A-CAA-CBA-CGA
14	a	505	CLA	C2A-CAA-CBA-CGA
14	c	505	CLA	C2A-CAA-CBA-CGA
14	e	1134	CLA	C2A-CAA-CBA-CGA
14	f	1218	CLA	C2A-CAA-CBA-CGA
14	q	517	CLA	C2A-CAA-CBA-CGA
14	s	505	CLA	C2A-CAA-CBA-CGA
14	u	505	CLA	C2A-CAA-CBA-CGA
14	2	510	CLA	O1D-CGD-O2D-CED
14	Z	510	CLA	O1D-CGD-O2D-CED
14	r	510	CLA	O1D-CGD-O2D-CED
14	A	1108	CLA	O1A-CGA-O2A-C1
14	e	1108	CLA	O1A-CGA-O2A-C1
19	A	1848	LMU	O5'-C1'-O1'-C1
19	G	1848	LMU	O5'-C1'-O1'-C1
19	e	1848	LMU	O5'-C1'-O1'-C1
14	A	1133	CLA	CBA-CGA-O2A-C1
14	A	1135	CLA	CBA-CGA-O2A-C1
14	A	1237	CLA	CBA-CGA-O2A-C1
14	B	1211	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	3	518	CLA	CBA-CGA-O2A-C1
14	G	1133	CLA	CBA-CGA-O2A-C1
14	G	1135	CLA	CBA-CGA-O2A-C1
14	G	1237	CLA	CBA-CGA-O2A-C1
14	H	1211	CLA	CBA-CGA-O2A-C1
14	a	518	CLA	CBA-CGA-O2A-C1
14	e	1133	CLA	CBA-CGA-O2A-C1
14	e	1135	CLA	CBA-CGA-O2A-C1
14	e	1237	CLA	CBA-CGA-O2A-C1
14	f	1211	CLA	CBA-CGA-O2A-C1
14	s	518	CLA	CBA-CGA-O2A-C1
18	A	5001	LHG	C24-C23-O8-C6
18	G	5001	LHG	C24-C23-O8-C6
14	B	1204	CLA	O1D-CGD-O2D-CED
14	4	507	CLA	O1D-CGD-O2D-CED
14	H	1204	CLA	O1D-CGD-O2D-CED
14	b	507	CLA	O1D-CGD-O2D-CED
14	f	1204	CLA	O1D-CGD-O2D-CED
14	t	507	CLA	O1D-CGD-O2D-CED
14	B	1234	CLA	O1A-CGA-O2A-C1
14	H	1234	CLA	O1A-CGA-O2A-C1
14	f	1234	CLA	O1A-CGA-O2A-C1
14	A	1022	CLA	O1D-CGD-O2D-CED
14	G	1022	CLA	O1D-CGD-O2D-CED
14	e	1022	CLA	O1D-CGD-O2D-CED
18	A	5002	LHG	C1-C2-C3-O3
18	G	5002	LHG	C1-C2-C3-O3
18	e	5002	LHG	C1-C2-C3-O3
20	B	5002	LMG	C4-C5-C6-O5
20	H	5002	LMG	C4-C5-C6-O5
20	f	5002	LMG	C4-C5-C6-O5
14	A	1135	CLA	O1A-CGA-O2A-C1
14	B	1211	CLA	O1A-CGA-O2A-C1
14	3	518	CLA	O1A-CGA-O2A-C1
14	G	1135	CLA	O1A-CGA-O2A-C1
14	H	1211	CLA	O1A-CGA-O2A-C1
14	a	518	CLA	O1A-CGA-O2A-C1
14	e	1135	CLA	O1A-CGA-O2A-C1
14	f	1211	CLA	O1A-CGA-O2A-C1
14	s	518	CLA	O1A-CGA-O2A-C1
14	B	1204	CLA	C3-C5-C6-C7
14	H	1204	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	f	1204	CLA	C3-C5-C6-C7
14	l	507	CLA	O1D-CGD-O2D-CED
14	Y	507	CLA	O1D-CGD-O2D-CED
14	q	507	CLA	O1D-CGD-O2D-CED
14	A	1104	CLA	CBA-CGA-O2A-C1
14	A	1106	CLA	CBA-CGA-O2A-C1
14	A	1118	CLA	CBA-CGA-O2A-C1
14	B	1214	CLA	CBA-CGA-O2A-C1
14	B	1225	CLA	CBA-CGA-O2A-C1
14	B	1239	CLA	CBA-CGA-O2A-C1
14	J	1302	CLA	CBA-CGA-O2A-C1
14	G	1104	CLA	CBA-CGA-O2A-C1
14	G	1106	CLA	CBA-CGA-O2A-C1
14	G	1118	CLA	CBA-CGA-O2A-C1
14	H	1214	CLA	CBA-CGA-O2A-C1
14	H	1225	CLA	CBA-CGA-O2A-C1
14	H	1239	CLA	CBA-CGA-O2A-C1
14	T	1302	CLA	CBA-CGA-O2A-C1
14	e	1104	CLA	CBA-CGA-O2A-C1
14	e	1106	CLA	CBA-CGA-O2A-C1
14	e	1118	CLA	CBA-CGA-O2A-C1
14	f	1214	CLA	CBA-CGA-O2A-C1
14	f	1225	CLA	CBA-CGA-O2A-C1
14	f	1239	CLA	CBA-CGA-O2A-C1
14	l	1302	CLA	CBA-CGA-O2A-C1
18	e	5001	LHG	C24-C23-O8-C6
19	J	5105	LMU	C4'-C5'-C6'-O6'
19	T	5105	LMU	C4'-C5'-C6'-O6'
19	l	5105	LMU	C4'-C5'-C6'-O6'
14	A	1115	CLA	C10-C11-C12-C13
14	G	1115	CLA	C10-C11-C12-C13
14	B	1211	CLA	C5-C6-C7-C8
14	B	1215	CLA	C10-C11-C12-C13
14	B	1220	CLA	C5-C6-C7-C8
14	B	1223	CLA	C8-C10-C11-C12
14	B	1225	CLA	C15-C16-C17-C18
14	L	1503	CLA	C5-C6-C7-C8
14	L	1503	CLA	C8-C10-C11-C12
14	H	1211	CLA	C5-C6-C7-C8
14	H	1215	CLA	C10-C11-C12-C13
14	H	1220	CLA	C5-C6-C7-C8
14	H	1223	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	H	1225	CLA	C15-C16-C17-C18
14	V	1503	CLA	C5-C6-C7-C8
14	V	1503	CLA	C8-C10-C11-C12
14	e	1115	CLA	C10-C11-C12-C13
14	f	1211	CLA	C5-C6-C7-C8
14	f	1215	CLA	C10-C11-C12-C13
14	f	1220	CLA	C5-C6-C7-C8
14	f	1223	CLA	C8-C10-C11-C12
14	f	1225	CLA	C15-C16-C17-C18
14	n	1503	CLA	C5-C6-C7-C8
14	n	1503	CLA	C8-C10-C11-C12
18	A	5003	LHG	O2-C2-C3-O3
18	G	5003	LHG	O2-C2-C3-O3
18	e	5003	LHG	O2-C2-C3-O3
14	K	1103	CLA	O2A-C1-C2-C3
14	U	1103	CLA	O2A-C1-C2-C3
14	m	1103	CLA	O2A-C1-C2-C3
21	L	5216	SQD	O47-C45-C46-O48
21	V	5216	SQD	O47-C45-C46-O48
21	n	5216	SQD	O47-C45-C46-O48
14	A	1118	CLA	O1A-CGA-O2A-C1
14	G	1118	CLA	O1A-CGA-O2A-C1
14	e	1118	CLA	O1A-CGA-O2A-C1
14	A	1133	CLA	C2-C3-C5-C6
14	G	1133	CLA	C2-C3-C5-C6
14	e	1133	CLA	C2-C3-C5-C6
14	A	1109	CLA	C14-C13-C15-C16
14	A	1116	CLA	C6-C7-C8-C9
14	A	1137	CLA	C6-C7-C8-C9
14	A	1137	CLA	C11-C10-C8-C9
14	B	1213	CLA	C11-C12-C13-C14
14	B	1215	CLA	C6-C7-C8-C9
14	B	1215	CLA	C11-C12-C13-C14
14	B	1219	CLA	C6-C7-C8-C9
14	B	1234	CLA	C11-C12-C13-C14
14	L	1503	CLA	C6-C7-C8-C9
14	6	505	CLA	C6-C7-C8-C9
14	G	1109	CLA	C14-C13-C15-C16
14	G	1116	CLA	C6-C7-C8-C9
14	G	1137	CLA	C6-C7-C8-C9
14	G	1137	CLA	C11-C10-C8-C9
14	H	1213	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	H	1215	CLA	C6-C7-C8-C9
14	H	1215	CLA	C11-C12-C13-C14
14	H	1219	CLA	C6-C7-C8-C9
14	H	1234	CLA	C11-C12-C13-C14
14	V	1503	CLA	C6-C7-C8-C9
14	d	505	CLA	C6-C7-C8-C9
14	e	1109	CLA	C14-C13-C15-C16
14	e	1116	CLA	C6-C7-C8-C9
14	e	1137	CLA	C6-C7-C8-C9
14	e	1137	CLA	C11-C10-C8-C9
14	f	1213	CLA	C11-C12-C13-C14
14	f	1215	CLA	C6-C7-C8-C9
14	f	1215	CLA	C11-C12-C13-C14
14	f	1219	CLA	C6-C7-C8-C9
14	f	1234	CLA	C11-C12-C13-C14
14	n	1503	CLA	C6-C7-C8-C9
14	v	505	CLA	C6-C7-C8-C9
15	A	2001	PQN	C21-C22-C23-C24
15	G	2001	PQN	C21-C22-C23-C24
15	e	2001	PQN	C21-C22-C23-C24
14	A	1111	CLA	O1D-CGD-O2D-CED
14	B	1209	CLA	O1D-CGD-O2D-CED
14	B	1229	CLA	O1D-CGD-O2D-CED
14	K	1103	CLA	O1D-CGD-O2D-CED
14	G	1111	CLA	O1D-CGD-O2D-CED
14	H	1209	CLA	O1D-CGD-O2D-CED
14	H	1229	CLA	O1D-CGD-O2D-CED
14	U	1103	CLA	O1D-CGD-O2D-CED
14	e	1111	CLA	O1D-CGD-O2D-CED
14	e	1115	CLA	O1D-CGD-O2D-CED
14	f	1209	CLA	O1D-CGD-O2D-CED
14	f	1229	CLA	O1D-CGD-O2D-CED
14	m	1103	CLA	O1D-CGD-O2D-CED
14	A	1106	CLA	C8-C10-C11-C12
14	A	1133	CLA	C8-C10-C11-C12
14	A	1101	CLA	C10-C11-C12-C13
14	G	1106	CLA	C8-C10-C11-C12
14	G	1133	CLA	C8-C10-C11-C12
14	G	1101	CLA	C10-C11-C12-C13
14	e	1106	CLA	C8-C10-C11-C12
14	e	1133	CLA	C8-C10-C11-C12
14	e	1101	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	B	1207	CLA	C2A-CAA-CBA-CGA
14	H	1207	CLA	C2A-CAA-CBA-CGA
14	f	1207	CLA	C2A-CAA-CBA-CGA
14	u	502	CLA	C2A-CAA-CBA-CGA
17	A	4001	BCR	C7-C8-C9-C34
17	A	4011	BCR	C37-C22-C23-C24
17	B	4014	BCR	C7-C8-C9-C34
17	J	4013	BCR	C37-C22-C23-C24
17	J	4012	BCR	C37-C22-C23-C24
17	L	4219	BCR	C7-C8-C9-C34
17	L	4020	BCR	C37-C22-C23-C24
17	3	524	BCR	C7-C8-C9-C34
17	3	524	BCR	C37-C22-C23-C24
17	4	521	BCR	C36-C18-C19-C20
17	4	524	BCR	C7-C8-C9-C34
17	6	522	BCR	C7-C8-C9-C34
17	G	4001	BCR	C7-C8-C9-C34
17	G	4011	BCR	C37-C22-C23-C24
17	H	4014	BCR	C7-C8-C9-C34
17	T	4013	BCR	C37-C22-C23-C24
17	T	4012	BCR	C37-C22-C23-C24
17	V	4219	BCR	C7-C8-C9-C34
17	V	4020	BCR	C37-C22-C23-C24
17	a	524	BCR	C7-C8-C9-C34
17	a	524	BCR	C37-C22-C23-C24
17	b	524	BCR	C7-C8-C9-C34
17	d	522	BCR	C7-C8-C9-C34
17	e	4001	BCR	C7-C8-C9-C34
17	e	4011	BCR	C37-C22-C23-C24
17	f	4014	BCR	C7-C8-C9-C34
17	l	4013	BCR	C37-C22-C23-C24
17	l	4012	BCR	C37-C22-C23-C24
17	n	4219	BCR	C7-C8-C9-C34
17	n	4020	BCR	C37-C22-C23-C24
17	s	524	BCR	C7-C8-C9-C34
17	s	524	BCR	C37-C22-C23-C24
17	t	524	BCR	C7-C8-C9-C34
17	v	522	BCR	C7-C8-C9-C34
17	A	4011	BCR	C21-C22-C23-C24
17	J	4013	BCR	C21-C22-C23-C24
17	J	4012	BCR	C21-C22-C23-C24
17	L	4022	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
17	3	521	BCR	C7-C8-C9-C10
17	G	4011	BCR	C21-C22-C23-C24
17	T	4013	BCR	C21-C22-C23-C24
17	T	4012	BCR	C21-C22-C23-C24
17	V	4022	BCR	C7-C8-C9-C10
17	a	521	BCR	C7-C8-C9-C10
17	e	4011	BCR	C21-C22-C23-C24
17	l	4013	BCR	C21-C22-C23-C24
17	l	4012	BCR	C21-C22-C23-C24
17	n	4022	BCR	C7-C8-C9-C10
17	s	521	BCR	C7-C8-C9-C10
14	A	1115	CLA	O1D-CGD-O2D-CED
21	B	1852	SQD	C8-C7-O47-C45
21	H	1852	SQD	C8-C7-O47-C45
21	f	1852	SQD	C8-C7-O47-C45
14	B	1023	CLA	C2C-C3C-CAC-CBC
14	H	1023	CLA	C2C-C3C-CAC-CBC
14	f	1023	CLA	C2C-C3C-CAC-CBC
20	J	5104	LMG	C4-C5-C6-O5
20	T	5104	LMG	C4-C5-C6-O5
20	l	5104	LMG	C4-C5-C6-O5
14	A	1106	CLA	O1A-CGA-O2A-C1
14	B	1239	CLA	O1A-CGA-O2A-C1
14	G	1106	CLA	O1A-CGA-O2A-C1
14	H	1239	CLA	O1A-CGA-O2A-C1
14	e	1106	CLA	O1A-CGA-O2A-C1
14	f	1239	CLA	O1A-CGA-O2A-C1
14	A	1013	CLA	C13-C15-C16-C17
14	A	1126	CLA	C15-C16-C17-C18
14	B	1214	CLA	C13-C15-C16-C17
14	G	1013	CLA	C13-C15-C16-C17
14	G	1126	CLA	C15-C16-C17-C18
14	H	1214	CLA	C13-C15-C16-C17
14	e	1013	CLA	C13-C15-C16-C17
14	f	1214	CLA	C13-C15-C16-C17
14	G	1115	CLA	O1D-CGD-O2D-CED
14	A	1101	CLA	C3-C5-C6-C7
14	G	1101	CLA	C3-C5-C6-C7
14	H	1210	CLA	C3-C5-C6-C7
14	e	1101	CLA	C3-C5-C6-C7
14	A	1137	CLA	CBA-CGA-O2A-C1
14	G	1137	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	e	1137	CLA	CBA-CGA-O2A-C1
18	B	1842	LHG	C24-C23-O8-C6
18	H	1842	LHG	C24-C23-O8-C6
14	A	1115	CLA	C5-C6-C7-C8
14	A	1125	CLA	C5-C6-C7-C8
14	A	1137	CLA	C10-C11-C12-C13
14	B	1203	CLA	C8-C10-C11-C12
14	B	1240	CLA	C10-C11-C12-C13
14	G	1115	CLA	C5-C6-C7-C8
14	G	1125	CLA	C5-C6-C7-C8
14	G	1137	CLA	C10-C11-C12-C13
14	H	1203	CLA	C8-C10-C11-C12
14	H	1240	CLA	C10-C11-C12-C13
14	e	1115	CLA	C5-C6-C7-C8
14	e	1125	CLA	C5-C6-C7-C8
14	e	1126	CLA	C15-C16-C17-C18
14	e	1137	CLA	C10-C11-C12-C13
14	f	1203	CLA	C8-C10-C11-C12
14	f	1240	CLA	C10-C11-C12-C13
18	L	5220	LHG	C23-C24-C25-C26
18	V	5220	LHG	C23-C24-C25-C26
18	n	5220	LHG	C23-C24-C25-C26
14	2	518	CLA	CBD-CGD-O2D-CED
14	Z	518	CLA	CBD-CGD-O2D-CED
14	r	518	CLA	CBD-CGD-O2D-CED
14	A	1106	CLA	C5-C6-C7-C8
14	A	1116	CLA	C5-C6-C7-C8
14	B	1012	CLA	C5-C6-C7-C8
14	B	1204	CLA	C5-C6-C7-C8
14	B	1213	CLA	C5-C6-C7-C8
14	B	1219	CLA	C5-C6-C7-C8
14	B	1223	CLA	C13-C15-C16-C17
14	B	1239	CLA	C15-C16-C17-C18
14	L	1503	CLA	C10-C11-C12-C13
14	G	1106	CLA	C5-C6-C7-C8
14	G	1116	CLA	C5-C6-C7-C8
14	H	1012	CLA	C5-C6-C7-C8
14	H	1204	CLA	C5-C6-C7-C8
14	H	1213	CLA	C5-C6-C7-C8
14	H	1219	CLA	C5-C6-C7-C8
14	H	1223	CLA	C13-C15-C16-C17
14	H	1239	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	V	1503	CLA	C10-C11-C12-C13
14	e	1106	CLA	C5-C6-C7-C8
14	e	1116	CLA	C5-C6-C7-C8
14	f	1012	CLA	C5-C6-C7-C8
14	f	1204	CLA	C5-C6-C7-C8
14	f	1213	CLA	C5-C6-C7-C8
14	f	1219	CLA	C5-C6-C7-C8
14	f	1223	CLA	C13-C15-C16-C17
14	f	1239	CLA	C15-C16-C17-C18
14	n	1503	CLA	C10-C11-C12-C13
14	A	1013	CLA	O1D-CGD-O2D-CED
14	A	1126	CLA	O1D-CGD-O2D-CED
14	3	519	CLA	O1D-CGD-O2D-CED
14	4	509	CLA	O1D-CGD-O2D-CED
14	G	1013	CLA	O1D-CGD-O2D-CED
14	G	1126	CLA	O1D-CGD-O2D-CED
14	a	519	CLA	O1D-CGD-O2D-CED
14	b	509	CLA	O1D-CGD-O2D-CED
14	e	1013	CLA	O1D-CGD-O2D-CED
14	e	1126	CLA	O1D-CGD-O2D-CED
14	s	519	CLA	O1D-CGD-O2D-CED
14	t	509	CLA	O1D-CGD-O2D-CED
18	L	5218	LHG	O1-C1-C2-O2
18	V	5218	LHG	O1-C1-C2-O2
18	n	5218	LHG	O1-C1-C2-O2
18	A	5002	LHG	C7-C8-C9-C10
18	A	5008	LHG	C23-C24-C25-C26
18	A	5009	LHG	C23-C24-C25-C26
18	A	5001	LHG	C23-C24-C25-C26
18	I	5001	LHG	C23-C24-C25-C26
18	L	5220	LHG	C7-C8-C9-C10
18	G	5002	LHG	C7-C8-C9-C10
18	G	5008	LHG	C23-C24-C25-C26
18	G	5009	LHG	C23-C24-C25-C26
18	G	5001	LHG	C23-C24-C25-C26
18	S	5001	LHG	C23-C24-C25-C26
18	V	5220	LHG	C7-C8-C9-C10
18	e	5002	LHG	C7-C8-C9-C10
18	e	5008	LHG	C23-C24-C25-C26
18	e	5009	LHG	C23-C24-C25-C26
18	e	5001	LHG	C23-C24-C25-C26
18	k	5001	LHG	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
18	n	5220	LHG	C7-C8-C9-C10
14	2	511	CLA	CBD-CGD-O2D-CED
14	6	510	CLA	CBD-CGD-O2D-CED
14	Z	511	CLA	CBD-CGD-O2D-CED
14	d	510	CLA	CBD-CGD-O2D-CED
14	r	511	CLA	CBD-CGD-O2D-CED
14	v	510	CLA	CBD-CGD-O2D-CED
14	A	1124	CLA	C10-C11-C12-C13
14	B	1205	CLA	C13-C15-C16-C17
14	B	1210	CLA	C8-C10-C11-C12
14	B	1207	CLA	C13-C15-C16-C17
14	2	505	CLA	C8-C10-C11-C12
14	5	509	CLA	C8-C10-C11-C12
14	H	1205	CLA	C13-C15-C16-C17
14	H	1210	CLA	C8-C10-C11-C12
14	H	1207	CLA	C13-C15-C16-C17
14	Z	505	CLA	C8-C10-C11-C12
14	c	509	CLA	C8-C10-C11-C12
14	e	1124	CLA	C10-C11-C12-C13
14	f	1205	CLA	C13-C15-C16-C17
14	f	1210	CLA	C8-C10-C11-C12
14	f	1207	CLA	C13-C15-C16-C17
14	r	505	CLA	C8-C10-C11-C12
14	u	509	CLA	C8-C10-C11-C12
15	A	2001	PQN	C15-C16-C17-C18
15	G	2001	PQN	C15-C16-C17-C18
15	e	2001	PQN	C15-C16-C17-C18
14	A	1125	CLA	C3-C5-C6-C7
14	B	1210	CLA	C3-C5-C6-C7
14	G	1125	CLA	C3-C5-C6-C7
14	e	1125	CLA	C3-C5-C6-C7
14	f	1210	CLA	C3-C5-C6-C7
18	f	1842	LHG	C24-C23-O8-C6
19	A	1849	LMU	O1'-C1-C2-C3
19	G	1849	LMU	O1'-C1-C2-C3
19	e	1849	LMU	O1'-C1-C2-C3
21	L	5216	SQD	C17-C18-C19-C20
21	V	5216	SQD	C17-C18-C19-C20
21	n	5216	SQD	C17-C18-C19-C20
14	A	1131	CLA	O1D-CGD-O2D-CED
14	G	1131	CLA	O1D-CGD-O2D-CED
14	a	518	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	e	1131	CLA	O1D-CGD-O2D-CED
14	A	1104	CLA	C15-C16-C17-C18
14	B	1023	CLA	C10-C11-C12-C13
14	G	1104	CLA	C15-C16-C17-C18
14	G	1124	CLA	C10-C11-C12-C13
14	H	1023	CLA	C10-C11-C12-C13
14	e	1104	CLA	C15-C16-C17-C18
14	f	1023	CLA	C10-C11-C12-C13
14	s	518	CLA	O1D-CGD-O2D-CED
18	A	5005	LHG	C23-C24-C25-C26
18	A	5006	LHG	C23-C24-C25-C26
18	A	5008	LHG	C7-C8-C9-C10
18	G	5005	LHG	C23-C24-C25-C26
18	G	5006	LHG	C23-C24-C25-C26
18	G	5008	LHG	C7-C8-C9-C10
18	e	5005	LHG	C23-C24-C25-C26
18	e	5006	LHG	C23-C24-C25-C26
18	e	5008	LHG	C7-C8-C9-C10
21	B	1852	SQD	C23-C24-C25-C26
21	l	822	SQD	C23-C24-C25-C26
21	H	1852	SQD	C23-C24-C25-C26
21	Y	822	SQD	C23-C24-C25-C26
21	f	1852	SQD	C23-C24-C25-C26
21	q	822	SQD	C23-C24-C25-C26
14	A	1109	CLA	CBD-CGD-O2D-CED
14	l	505	CLA	CBD-CGD-O2D-CED
14	G	1109	CLA	CBD-CGD-O2D-CED
14	Y	505	CLA	CBD-CGD-O2D-CED
14	e	1109	CLA	CBD-CGD-O2D-CED
14	q	505	CLA	CBD-CGD-O2D-CED
14	A	1126	CLA	C10-C11-C12-C13
14	B	1214	CLA	C5-C6-C7-C8
14	6	505	CLA	C8-C10-C11-C12
14	G	1126	CLA	C10-C11-C12-C13
14	H	1214	CLA	C5-C6-C7-C8
14	d	505	CLA	C8-C10-C11-C12
14	e	1126	CLA	C10-C11-C12-C13
14	f	1214	CLA	C5-C6-C7-C8
14	v	505	CLA	C8-C10-C11-C12
14	A	1237	CLA	O1D-CGD-O2D-CED
14	L	1503	CLA	O1D-CGD-O2D-CED
14	3	505	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	3	518	CLA	O1D-CGD-O2D-CED
14	V	1503	CLA	O1D-CGD-O2D-CED
14	a	505	CLA	O1D-CGD-O2D-CED
14	n	1503	CLA	O1D-CGD-O2D-CED
14	r	507	CLA	O1D-CGD-O2D-CED
14	s	505	CLA	O1D-CGD-O2D-CED
14	A	1106	CLA	C12-C13-C15-C16
14	A	1107	CLA	C11-C10-C8-C7
14	A	1109	CLA	C11-C12-C13-C15
14	A	1119	CLA	C6-C7-C8-C10
14	A	1139	CLA	C11-C10-C8-C7
14	B	1210	CLA	C11-C12-C13-C15
14	B	1216	CLA	C6-C7-C8-C10
14	B	1221	CLA	C11-C10-C8-C7
14	B	1230	CLA	C6-C7-C8-C10
14	G	1106	CLA	C12-C13-C15-C16
14	G	1107	CLA	C11-C10-C8-C7
14	G	1109	CLA	C11-C12-C13-C15
14	G	1119	CLA	C6-C7-C8-C10
14	G	1139	CLA	C11-C10-C8-C7
14	H	1210	CLA	C11-C12-C13-C15
14	H	1216	CLA	C6-C7-C8-C10
14	H	1221	CLA	C11-C10-C8-C7
14	H	1230	CLA	C6-C7-C8-C10
14	e	1106	CLA	C12-C13-C15-C16
14	e	1107	CLA	C11-C10-C8-C7
14	e	1109	CLA	C11-C12-C13-C15
14	e	1119	CLA	C6-C7-C8-C10
14	e	1139	CLA	C11-C10-C8-C7
14	f	1210	CLA	C11-C12-C13-C15
14	f	1216	CLA	C6-C7-C8-C10
14	f	1221	CLA	C11-C10-C8-C7
14	f	1230	CLA	C6-C7-C8-C10
15	A	2001	PQN	C21-C22-C23-C25
15	G	2001	PQN	C21-C22-C23-C25
15	e	2001	PQN	C21-C22-C23-C25
14	A	1115	CLA	C3-C5-C6-C7
14	G	1115	CLA	C3-C5-C6-C7
14	e	1115	CLA	C3-C5-C6-C7
14	A	1133	CLA	O1A-CGA-O2A-C1
14	A	1137	CLA	O1A-CGA-O2A-C1
14	B	1225	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	1133	CLA	O1A-CGA-O2A-C1
14	G	1137	CLA	O1A-CGA-O2A-C1
14	H	1225	CLA	O1A-CGA-O2A-C1
14	e	1133	CLA	O1A-CGA-O2A-C1
14	e	1137	CLA	O1A-CGA-O2A-C1
14	f	1225	CLA	O1A-CGA-O2A-C1
18	B	1855	LHG	O10-C23-O8-C6
18	H	1855	LHG	O10-C23-O8-C6
18	f	1855	LHG	O10-C23-O8-C6
14	3	516	CLA	C4C-C3C-CAC-CBC
17	4	522	BCR	C9-C10-C11-C12
17	6	522	BCR	C9-C10-C11-C12
17	b	522	BCR	C9-C10-C11-C12
17	d	522	BCR	C9-C10-C11-C12
17	t	522	BCR	C9-C10-C11-C12
17	v	522	BCR	C9-C10-C11-C12
14	A	1107	CLA	C2A-CAA-CBA-CGA
14	B	1201	CLA	C2A-CAA-CBA-CGA
14	1	505	CLA	C2A-CAA-CBA-CGA
14	1	516	CLA	C2A-CAA-CBA-CGA
14	5	502	CLA	C2A-CAA-CBA-CGA
14	6	503	CLA	C2A-CAA-CBA-CGA
14	G	1107	CLA	C2A-CAA-CBA-CGA
14	H	1201	CLA	C2A-CAA-CBA-CGA
14	Y	505	CLA	C2A-CAA-CBA-CGA
14	Y	516	CLA	C2A-CAA-CBA-CGA
14	c	502	CLA	C2A-CAA-CBA-CGA
14	d	503	CLA	C2A-CAA-CBA-CGA
14	e	1107	CLA	C2A-CAA-CBA-CGA
14	f	1201	CLA	C2A-CAA-CBA-CGA
14	q	505	CLA	C2A-CAA-CBA-CGA
14	q	516	CLA	C2A-CAA-CBA-CGA
14	v	503	CLA	C2A-CAA-CBA-CGA
14	v	516	CLA	C2A-CAA-CBA-CGA
14	A	1106	CLA	O1D-CGD-O2D-CED
14	1	512	CLA	O1D-CGD-O2D-CED
14	2	507	CLA	O1D-CGD-O2D-CED
14	4	508	CLA	O1D-CGD-O2D-CED
14	4	513	CLA	O1D-CGD-O2D-CED
14	G	1106	CLA	O1D-CGD-O2D-CED
14	G	1237	CLA	O1D-CGD-O2D-CED
14	Y	512	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	507	CLA	O1D-CGD-O2D-CED
14	b	508	CLA	O1D-CGD-O2D-CED
14	b	513	CLA	O1D-CGD-O2D-CED
14	e	1106	CLA	O1D-CGD-O2D-CED
14	e	1237	CLA	O1D-CGD-O2D-CED
14	q	512	CLA	O1D-CGD-O2D-CED
14	t	508	CLA	O1D-CGD-O2D-CED
14	t	513	CLA	O1D-CGD-O2D-CED
14	A	1126	CLA	C8-C10-C11-C12
14	B	1216	CLA	C5-C6-C7-C8
14	2	509	CLA	C15-C16-C17-C18
14	6	505	CLA	C5-C6-C7-C8
14	G	1126	CLA	C8-C10-C11-C12
14	H	1216	CLA	C5-C6-C7-C8
14	Z	509	CLA	C15-C16-C17-C18
14	d	505	CLA	C5-C6-C7-C8
14	e	1126	CLA	C8-C10-C11-C12
14	f	1216	CLA	C5-C6-C7-C8
14	r	509	CLA	C15-C16-C17-C18
14	v	505	CLA	C5-C6-C7-C8
15	A	2001	PQN	C18-C20-C21-C22
15	G	2001	PQN	C18-C20-C21-C22
15	e	2001	PQN	C18-C20-C21-C22
14	a	516	CLA	C4C-C3C-CAC-CBC
14	s	516	CLA	C4C-C3C-CAC-CBC
14	B	1239	CLA	C4C-C3C-CAC-CBC
14	H	1239	CLA	C4C-C3C-CAC-CBC
14	f	1239	CLA	C4C-C3C-CAC-CBC
14	A	1104	CLA	O1A-CGA-O2A-C1
14	A	1237	CLA	O1A-CGA-O2A-C1
14	J	1302	CLA	O1A-CGA-O2A-C1
14	G	1104	CLA	O1A-CGA-O2A-C1
14	G	1237	CLA	O1A-CGA-O2A-C1
14	T	1302	CLA	O1A-CGA-O2A-C1
14	e	1104	CLA	O1A-CGA-O2A-C1
14	e	1237	CLA	O1A-CGA-O2A-C1
14	l	1302	CLA	O1A-CGA-O2A-C1
14	A	1136	CLA	C8-C10-C11-C12
14	B	1208	CLA	C10-C11-C12-C13
14	B	1210	CLA	C10-C11-C12-C13
14	G	1136	CLA	C8-C10-C11-C12
14	H	1208	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	H	1210	CLA	C10-C11-C12-C13
14	e	1136	CLA	C8-C10-C11-C12
14	f	1208	CLA	C10-C11-C12-C13
14	B	1231	CLA	O1D-CGD-O2D-CED
14	H	1231	CLA	O1D-CGD-O2D-CED
14	f	1231	CLA	O1D-CGD-O2D-CED
14	A	1013	CLA	C15-C16-C17-C18
14	A	1122	CLA	C8-C10-C11-C12
14	B	1203	CLA	C5-C6-C7-C8
14	B	1219	CLA	C8-C10-C11-C12
14	B	1234	CLA	C10-C11-C12-C13
14	G	1013	CLA	C15-C16-C17-C18
14	G	1122	CLA	C8-C10-C11-C12
14	H	1203	CLA	C5-C6-C7-C8
14	H	1219	CLA	C8-C10-C11-C12
14	H	1234	CLA	C10-C11-C12-C13
14	e	1013	CLA	C15-C16-C17-C18
14	e	1122	CLA	C8-C10-C11-C12
14	f	1203	CLA	C5-C6-C7-C8
14	f	1210	CLA	C10-C11-C12-C13
14	f	1219	CLA	C8-C10-C11-C12
14	f	1234	CLA	C10-C11-C12-C13
14	B	1232	CLA	CBA-CGA-O2A-C1
14	H	1232	CLA	CBA-CGA-O2A-C1
14	f	1232	CLA	CBA-CGA-O2A-C1
18	A	5002	LHG	C28-C29-C30-C31
18	G	5002	LHG	C28-C29-C30-C31
18	e	5002	LHG	C28-C29-C30-C31
14	B	1214	CLA	O1A-CGA-O2A-C1
14	H	1214	CLA	O1A-CGA-O2A-C1
14	f	1214	CLA	O1A-CGA-O2A-C1
19	e	1848	LMU	C4'-C5'-C6'-O6'
18	A	5005	LHG	C28-C29-C30-C31
18	G	5005	LHG	C28-C29-C30-C31
18	e	5005	LHG	C28-C29-C30-C31
14	B	1221	CLA	C8-C10-C11-C12
14	B	1225	CLA	C13-C15-C16-C17
14	H	1217	CLA	C8-C10-C11-C12
14	H	1221	CLA	C8-C10-C11-C12
14	H	1225	CLA	C13-C15-C16-C17
14	f	1221	CLA	C8-C10-C11-C12
14	f	1225	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	r	501	CLA	C8-C10-C11-C12
14	A	1121	CLA	O1D-CGD-O2D-CED
14	B	1201	CLA	O1D-CGD-O2D-CED
14	G	1121	CLA	O1D-CGD-O2D-CED
14	H	1201	CLA	O1D-CGD-O2D-CED
14	e	1121	CLA	O1D-CGD-O2D-CED
14	f	1201	CLA	O1D-CGD-O2D-CED
19	A	1848	LMU	C4'-C5'-C6'-O6'
19	G	1848	LMU	C4'-C5'-C6'-O6'
14	A	1109	CLA	C13-C15-C16-C17
14	A	1126	CLA	C5-C6-C7-C8
14	A	1133	CLA	C10-C11-C12-C13
14	A	1139	CLA	C13-C15-C16-C17
14	B	1214	CLA	C10-C11-C12-C13
14	B	1217	CLA	C8-C10-C11-C12
14	B	1235	CLA	C8-C10-C11-C12
14	2	501	CLA	C8-C10-C11-C12
14	G	1109	CLA	C13-C15-C16-C17
14	G	1126	CLA	C5-C6-C7-C8
14	G	1133	CLA	C10-C11-C12-C13
14	G	1139	CLA	C13-C15-C16-C17
14	H	1214	CLA	C10-C11-C12-C13
14	H	1235	CLA	C8-C10-C11-C12
14	Z	501	CLA	C8-C10-C11-C12
14	e	1109	CLA	C13-C15-C16-C17
14	e	1126	CLA	C5-C6-C7-C8
14	e	1133	CLA	C10-C11-C12-C13
14	e	1139	CLA	C13-C15-C16-C17
14	f	1214	CLA	C10-C11-C12-C13
14	f	1217	CLA	C8-C10-C11-C12
14	f	1235	CLA	C8-C10-C11-C12
18	A	5005	LHG	C3-O3-P-O6
18	A	5006	LHG	C4-O6-P-O3
18	A	5009	LHG	C4-O6-P-O3
18	B	1842	LHG	C3-O3-P-O6
18	B	1855	LHG	C3-O3-P-O6
18	B	1855	LHG	C4-O6-P-O3
18	L	5218	LHG	C3-O3-P-O6
18	L	5220	LHG	C4-O6-P-O3
18	L	5221	LHG	C3-O3-P-O6
18	G	5005	LHG	C3-O3-P-O6
18	G	5006	LHG	C4-O6-P-O3

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Mol	Chain	Res	Type	Atoms
18	G	5009	LHG	C4-O6-P-O3
18	H	1842	LHG	C3-O3-P-O6
18	H	1855	LHG	C3-O3-P-O6
18	H	1855	LHG	C4-O6-P-O3
18	V	5218	LHG	C3-O3-P-O6
18	V	5220	LHG	C4-O6-P-O3
18	V	5221	LHG	C3-O3-P-O6
18	e	5005	LHG	C3-O3-P-O6
18	e	5006	LHG	C4-O6-P-O3
18	e	5009	LHG	C4-O6-P-O3
18	f	1842	LHG	C3-O3-P-O6
18	f	1855	LHG	C3-O3-P-O6
18	f	1855	LHG	C4-O6-P-O3
18	n	5218	LHG	C3-O3-P-O6
18	n	5220	LHG	C4-O6-P-O3
18	n	5221	LHG	C3-O3-P-O6
18	A	5009	LHG	C7-C8-C9-C10
18	e	5009	LHG	C7-C8-C9-C10
21	B	1852	SQD	C7-C8-C9-C10
21	H	1852	SQD	C7-C8-C9-C10
21	f	1852	SQD	C7-C8-C9-C10
14	A	1128	CLA	C3-C5-C6-C7
14	G	1128	CLA	C3-C5-C6-C7
14	e	1128	CLA	C3-C5-C6-C7
14	B	1239	CLA	C2C-C3C-CAC-CBC
14	f	1239	CLA	C2C-C3C-CAC-CBC
14	H	1239	CLA	C2C-C3C-CAC-CBC
15	B	2002	PQN	C15-C16-C17-C18
15	H	2002	PQN	C15-C16-C17-C18
15	f	2002	PQN	C15-C16-C17-C18
18	G	5009	LHG	C7-C8-C9-C10
14	B	1234	CLA	O1D-CGD-O2D-CED
14	H	1234	CLA	O1D-CGD-O2D-CED
14	f	1234	CLA	O1D-CGD-O2D-CED
18	A	5003	LHG	C1-C2-C3-O3
18	G	5003	LHG	C1-C2-C3-O3
18	e	5003	LHG	C1-C2-C3-O3
18	A	5001	LHG	O9-C7-O7-C5
18	G	5001	LHG	O9-C7-O7-C5
18	e	5001	LHG	O9-C7-O7-C5
14	A	1132	CLA	C4-C3-C5-C6
14	G	1132	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	e	1132	CLA	C4-C3-C5-C6
19	J	5105	LMU	O1'-C1-C2-C3
14	5	509	CLA	C15-C16-C17-C18
14	c	509	CLA	C15-C16-C17-C18
14	u	509	CLA	C15-C16-C17-C18
14	6	512	CLA	O1D-CGD-O2D-CED
19	T	5105	LMU	O1'-C1-C2-C3
19	l	5105	LMU	O1'-C1-C2-C3
14	A	1125	CLA	C2A-CAA-CBA-CGA
14	A	1022	CLA	C2A-CAA-CBA-CGA
14	B	1203	CLA	C2A-CAA-CBA-CGA
14	B	1224	CLA	C2A-CAA-CBA-CGA
14	K	1103	CLA	C2A-CAA-CBA-CGA
14	1	518	CLA	C2A-CAA-CBA-CGA
14	3	501	CLA	C2A-CAA-CBA-CGA
14	4	501	CLA	C2A-CAA-CBA-CGA
14	6	516	CLA	C2A-CAA-CBA-CGA
14	G	1125	CLA	C2A-CAA-CBA-CGA
14	G	1022	CLA	C2A-CAA-CBA-CGA
14	H	1203	CLA	C2A-CAA-CBA-CGA
14	H	1224	CLA	C2A-CAA-CBA-CGA
14	U	1103	CLA	C2A-CAA-CBA-CGA
14	Y	518	CLA	C2A-CAA-CBA-CGA
14	a	501	CLA	C2A-CAA-CBA-CGA
14	b	501	CLA	C2A-CAA-CBA-CGA
14	d	516	CLA	C2A-CAA-CBA-CGA
14	e	1125	CLA	C2A-CAA-CBA-CGA
14	e	1022	CLA	C2A-CAA-CBA-CGA
14	f	1203	CLA	C2A-CAA-CBA-CGA
14	f	1224	CLA	C2A-CAA-CBA-CGA
14	m	1103	CLA	C2A-CAA-CBA-CGA
14	q	518	CLA	C2A-CAA-CBA-CGA
14	s	501	CLA	C2A-CAA-CBA-CGA
14	t	501	CLA	C2A-CAA-CBA-CGA
14	B	1211	CLA	C6-C7-C8-C9
14	H	1211	CLA	C6-C7-C8-C9
14	f	1211	CLA	C6-C7-C8-C9
15	B	2002	PQN	C26-C27-C28-C30
15	H	2002	PQN	C26-C27-C28-C30
15	f	2002	PQN	C26-C27-C28-C30
14	A	1011	CLA	C3-C5-C6-C7
14	G	1011	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	e	1011	CLA	C3-C5-C6-C7
14	Z	504	CLA	O1D-CGD-O2D-CED
14	d	512	CLA	O1D-CGD-O2D-CED
14	r	504	CLA	O1D-CGD-O2D-CED
14	v	512	CLA	O1D-CGD-O2D-CED
14	L	1502	CLA	CBA-CGA-O2A-C1
14	V	1502	CLA	CBA-CGA-O2A-C1
14	n	1502	CLA	CBA-CGA-O2A-C1
20	B	5002	LMG	C29-C28-O8-C9
20	H	5002	LMG	C29-C28-O8-C9
20	f	5002	LMG	C29-C28-O8-C9
14	2	504	CLA	O1D-CGD-O2D-CED
17	4	522	BCR	C13-C14-C15-C16
17	b	522	BCR	C13-C14-C15-C16
17	t	522	BCR	C13-C14-C15-C16
18	G	5001	LHG	C15-C16-C17-C18
18	e	5001	LHG	C15-C16-C17-C18
14	A	1133	CLA	O1D-CGD-O2D-CED
18	B	1855	LHG	C8-C7-O7-C5
18	H	1855	LHG	C8-C7-O7-C5
18	f	1855	LHG	C8-C7-O7-C5
14	5	509	CLA	C13-C15-C16-C17
14	c	509	CLA	C13-C15-C16-C17
14	u	509	CLA	C13-C15-C16-C17
18	A	5005	LHG	C12-C13-C14-C15
18	A	5005	LHG	C24-C25-C26-C27
18	A	5007	LHG	C31-C32-C33-C34
18	A	5009	LHG	C9-C10-C11-C12
18	A	5001	LHG	C15-C16-C17-C18
18	A	5001	LHG	C25-C26-C27-C28
18	A	5003	LHG	C11-C10-C9-C8
18	A	5003	LHG	C10-C11-C12-C13
18	L	5221	LHG	C30-C31-C32-C33
18	G	5005	LHG	C12-C13-C14-C15
18	G	5005	LHG	C24-C25-C26-C27
18	G	5007	LHG	C31-C32-C33-C34
18	G	5009	LHG	C9-C10-C11-C12
18	G	5001	LHG	C25-C26-C27-C28
18	G	5003	LHG	C11-C10-C9-C8
18	G	5003	LHG	C10-C11-C12-C13
18	V	5221	LHG	C30-C31-C32-C33
18	e	5005	LHG	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
18	e	5005	LHG	C12-C13-C14-C15
18	e	5005	LHG	C24-C25-C26-C27
18	e	5007	LHG	C31-C32-C33-C34
18	e	5009	LHG	C9-C10-C11-C12
18	e	5001	LHG	C25-C26-C27-C28
18	e	5003	LHG	C11-C10-C9-C8
18	e	5003	LHG	C10-C11-C12-C13
18	n	5221	LHG	C30-C31-C32-C33
20	B	5002	LMG	C29-C30-C31-C32
20	H	5002	LMG	C29-C30-C31-C32
20	f	5002	LMG	C29-C30-C31-C32
14	B	1220	CLA	O1D-CGD-O2D-CED
14	5	512	CLA	O1D-CGD-O2D-CED
14	G	1133	CLA	O1D-CGD-O2D-CED
14	H	1220	CLA	O1D-CGD-O2D-CED
14	c	512	CLA	O1D-CGD-O2D-CED
14	e	1133	CLA	O1D-CGD-O2D-CED
14	f	1220	CLA	O1D-CGD-O2D-CED
14	u	512	CLA	O1D-CGD-O2D-CED
14	3	505	CLA	C6-C7-C8-C9
14	a	505	CLA	C6-C7-C8-C9
14	s	505	CLA	C6-C7-C8-C9
18	A	5005	LHG	C10-C11-C12-C13
18	A	5005	LHG	C14-C15-C16-C17
18	B	1855	LHG	C12-C13-C14-C15
18	G	5005	LHG	C10-C11-C12-C13
18	G	5005	LHG	C14-C15-C16-C17
18	H	1855	LHG	C12-C13-C14-C15
18	V	5221	LHG	C31-C32-C33-C34
18	e	5005	LHG	C14-C15-C16-C17
18	f	1855	LHG	C12-C13-C14-C15
21	2	822	SQD	C46-C45-O47-C7
21	Z	822	SQD	C46-C45-O47-C7
21	r	822	SQD	C46-C45-O47-C7
18	L	5221	LHG	C31-C32-C33-C34
18	n	5221	LHG	C31-C32-C33-C34
14	J	1303	CLA	O1D-CGD-O2D-CED
14	T	1303	CLA	O1D-CGD-O2D-CED
14	l	1303	CLA	O1D-CGD-O2D-CED
18	A	5004	LHG	C27-C28-C29-C30
18	L	5220	LHG	C27-C28-C29-C30
18	G	5004	LHG	C27-C28-C29-C30

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Mol	Chain	Res	Type	Atoms
18	V	5220	LHG	C27-C28-C29-C30
18	e	5004	LHG	C27-C28-C29-C30
18	n	5220	LHG	C27-C28-C29-C30
21	f	1852	SQD	C11-C10-C9-C8
14	f	1235	CLA	O1D-CGD-O2D-CED
18	H	1855	LHG	C11-C12-C13-C14
21	B	1852	SQD	C11-C10-C9-C8
21	H	1852	SQD	C11-C10-C9-C8
20	J	5104	LMG	C10-C11-C12-C13
20	T	5104	LMG	C10-C11-C12-C13
20	l	5104	LMG	C10-C11-C12-C13
14	B	1235	CLA	O1D-CGD-O2D-CED
19	A	1849	LMU	C2'-C1'-O1'-C1
19	G	1849	LMU	C2'-C1'-O1'-C1
19	e	1849	LMU	C2'-C1'-O1'-C1
21	B	1852	SQD	C2-C1-O6-C44
21	H	1852	SQD	C2-C1-O6-C44
21	f	1852	SQD	C2-C1-O6-C44
18	A	5005	LHG	C11-C10-C9-C8
18	A	5003	LHG	C12-C13-C14-C15
18	B	1855	LHG	C11-C12-C13-C14
18	G	5005	LHG	C11-C10-C9-C8
18	G	5003	LHG	C12-C13-C14-C15
18	e	5005	LHG	C11-C10-C9-C8
18	e	5003	LHG	C12-C13-C14-C15
18	f	1855	LHG	C11-C12-C13-C14
19	A	1849	LMU	C4-C5-C6-C7
19	B	1843	LMU	C5-C6-C7-C8
19	G	1849	LMU	C4-C5-C6-C7
19	H	1843	LMU	C5-C6-C7-C8
19	e	1849	LMU	C4-C5-C6-C7
19	f	1843	LMU	C5-C6-C7-C8
14	A	1103	CLA	C10-C11-C12-C13
14	A	1103	CLA	C15-C16-C17-C18
14	B	1218	CLA	C8-C10-C11-C12
14	G	1103	CLA	C10-C11-C12-C13
14	G	1103	CLA	C15-C16-C17-C18
14	H	1218	CLA	C8-C10-C11-C12
14	e	1103	CLA	C10-C11-C12-C13
14	e	1103	CLA	C15-C16-C17-C18
14	f	1218	CLA	C8-C10-C11-C12
14	A	1121	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A	1140	CLA	C16-C17-C18-C20
14	B	1217	CLA	C11-C12-C13-C14
14	B	1207	CLA	C16-C17-C18-C19
14	6	505	CLA	C16-C17-C18-C20
14	G	1121	CLA	C6-C7-C8-C9
14	G	1140	CLA	C16-C17-C18-C20
14	H	1217	CLA	C11-C12-C13-C14
14	H	1207	CLA	C16-C17-C18-C19
14	d	505	CLA	C16-C17-C18-C20
14	e	1121	CLA	C6-C7-C8-C9
14	e	1140	CLA	C16-C17-C18-C20
14	f	1217	CLA	C11-C12-C13-C14
14	f	1207	CLA	C16-C17-C18-C19
14	v	505	CLA	C16-C17-C18-C20
14	B	1012	CLA	O1D-CGD-O2D-CED
14	H	1012	CLA	O1D-CGD-O2D-CED
14	H	1235	CLA	O1D-CGD-O2D-CED
14	f	1012	CLA	O1D-CGD-O2D-CED
14	A	1102	CLA	C4-C3-C5-C6
14	B	1229	CLA	C4-C3-C5-C6
14	G	1102	CLA	C4-C3-C5-C6
14	H	1229	CLA	C4-C3-C5-C6
14	e	1102	CLA	C4-C3-C5-C6
14	f	1229	CLA	C4-C3-C5-C6
18	A	5004	LHG	C24-C25-C26-C27
18	G	5004	LHG	C24-C25-C26-C27
18	e	5004	LHG	C24-C25-C26-C27
18	n	5220	LHG	C10-C11-C12-C13
19	A	1848	LMU	C2-C3-C4-C5
19	G	1848	LMU	C2-C3-C4-C5
19	e	1848	LMU	C2-C3-C4-C5
14	B	1229	CLA	C2-C3-C5-C6
14	H	1229	CLA	C2-C3-C5-C6
14	f	1229	CLA	C2-C3-C5-C6
14	A	1133	CLA	C11-C12-C13-C14
14	B	1223	CLA	C14-C13-C15-C16
14	G	1133	CLA	C11-C12-C13-C14
14	H	1223	CLA	C14-C13-C15-C16
14	e	1133	CLA	C11-C12-C13-C14
14	f	1223	CLA	C14-C13-C15-C16
14	A	1113	CLA	O1D-CGD-O2D-CED
14	G	1113	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	e	1113	CLA	O1D-CGD-O2D-CED
18	A	5007	LHG	C11-C10-C9-C8
18	L	5220	LHG	C10-C11-C12-C13
18	L	5221	LHG	C25-C26-C27-C28
18	G	5007	LHG	C11-C10-C9-C8
18	V	5220	LHG	C10-C11-C12-C13
18	V	5221	LHG	C25-C26-C27-C28
18	e	5007	LHG	C11-C10-C9-C8
20	B	5002	LMG	C22-C23-C24-C25
20	B	5002	LMG	C32-C33-C34-C35
20	H	5002	LMG	C22-C23-C24-C25
20	f	5002	LMG	C22-C23-C24-C25
20	f	5002	LMG	C32-C33-C34-C35
14	5	509	CLA	C10-C11-C12-C13
14	c	509	CLA	C10-C11-C12-C13
14	u	509	CLA	C10-C11-C12-C13
14	A	1116	CLA	C2A-CAA-CBA-CGA
14	4	518	CLA	C2A-CAA-CBA-CGA
14	5	518	CLA	C2A-CAA-CBA-CGA
14	G	1116	CLA	C2A-CAA-CBA-CGA
14	b	518	CLA	C2A-CAA-CBA-CGA
14	c	518	CLA	C2A-CAA-CBA-CGA
14	e	1116	CLA	C2A-CAA-CBA-CGA
14	t	518	CLA	C2A-CAA-CBA-CGA
14	u	518	CLA	C2A-CAA-CBA-CGA
17	A	4001	BCR	C11-C12-C13-C35
17	L	4019	BCR	C37-C22-C23-C24
17	L	4022	BCR	C7-C8-C9-C34
17	G	4001	BCR	C11-C12-C13-C35
17	V	4019	BCR	C37-C22-C23-C24
17	V	4022	BCR	C7-C8-C9-C34
17	b	521	BCR	C36-C18-C19-C20
17	n	4019	BCR	C37-C22-C23-C24
17	n	4022	BCR	C7-C8-C9-C34
17	t	521	BCR	C36-C18-C19-C20
18	n	5221	LHG	C25-C26-C27-C28
20	H	5002	LMG	C32-C33-C34-C35
18	A	5008	LHG	O1-C1-C2-C3
18	L	5218	LHG	O1-C1-C2-C3
18	L	5220	LHG	O1-C1-C2-C3
18	G	5008	LHG	O1-C1-C2-C3
18	V	5218	LHG	O1-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
18	V	5220	LHG	O1-C1-C2-C3
18	e	5008	LHG	O1-C1-C2-C3
18	n	5218	LHG	O1-C1-C2-C3
18	n	5220	LHG	O1-C1-C2-C3
17	L	4019	BCR	C21-C22-C23-C24
17	4	523	BCR	C21-C22-C23-C24
17	V	4019	BCR	C21-C22-C23-C24
17	b	523	BCR	C21-C22-C23-C24
17	n	4019	BCR	C21-C22-C23-C24
17	t	523	BCR	C21-C22-C23-C24
14	B	1203	CLA	C3-C5-C6-C7
14	B	1218	CLA	C3-C5-C6-C7
14	H	1203	CLA	C3-C5-C6-C7
14	H	1218	CLA	C3-C5-C6-C7
14	f	1203	CLA	C3-C5-C6-C7
14	f	1218	CLA	C3-C5-C6-C7
14	B	1208	CLA	C8-C10-C11-C12
14	H	1208	CLA	C8-C10-C11-C12
14	f	1208	CLA	C8-C10-C11-C12
18	A	5005	LHG	C8-C7-O7-C5
18	A	5007	LHG	C8-C7-O7-C5
18	G	5005	LHG	C8-C7-O7-C5
18	G	5007	LHG	C8-C7-O7-C5
18	e	5005	LHG	C8-C7-O7-C5
18	e	5007	LHG	C8-C7-O7-C5
18	A	5006	LHG	C24-C25-C26-C27
18	I	5001	LHG	C10-C11-C12-C13
18	G	5006	LHG	C24-C25-C26-C27
18	S	5001	LHG	C10-C11-C12-C13
18	e	5006	LHG	C24-C25-C26-C27
18	k	5001	LHG	C10-C11-C12-C13
14	B	1230	CLA	O1D-CGD-O2D-CED
14	l	511	CLA	O1D-CGD-O2D-CED
14	H	1230	CLA	O1D-CGD-O2D-CED
14	Y	511	CLA	O1D-CGD-O2D-CED
14	f	1230	CLA	O1D-CGD-O2D-CED
14	q	511	CLA	O1D-CGD-O2D-CED
18	A	5006	LHG	C30-C31-C32-C33
18	A	5008	LHG	C10-C11-C12-C13
18	A	5001	LHG	C27-C28-C29-C30
18	L	5220	LHG	C9-C10-C11-C12
18	L	5220	LHG	C13-C14-C15-C16

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Mol	Chain	Res	Type	Atoms
18	L	5221	LHG	C11-C12-C13-C14
18	G	5006	LHG	C30-C31-C32-C33
18	G	5008	LHG	C10-C11-C12-C13
18	G	5001	LHG	C27-C28-C29-C30
18	V	5220	LHG	C9-C10-C11-C12
18	V	5220	LHG	C13-C14-C15-C16
18	V	5221	LHG	C11-C12-C13-C14
18	e	5006	LHG	C30-C31-C32-C33
18	e	5001	LHG	C27-C28-C29-C30
18	n	5220	LHG	C9-C10-C11-C12
18	n	5220	LHG	C13-C14-C15-C16
18	n	5221	LHG	C11-C12-C13-C14
19	B	1843	LMU	C4-C5-C6-C7
19	H	1843	LMU	C4-C5-C6-C7
19	f	1843	LMU	C4-C5-C6-C7
14	A	1105	CLA	C6-C7-C8-C10
14	A	1126	CLA	C16-C17-C18-C20
14	A	1101	CLA	C16-C17-C18-C19
14	A	1101	CLA	C16-C17-C18-C20
14	B	1218	CLA	C11-C12-C13-C14
14	B	1238	CLA	C16-C17-C18-C19
14	3	505	CLA	C6-C7-C8-C10
14	G	1105	CLA	C6-C7-C8-C10
14	G	1126	CLA	C16-C17-C18-C20
14	G	1101	CLA	C16-C17-C18-C19
14	G	1101	CLA	C16-C17-C18-C20
14	H	1208	CLA	C16-C17-C18-C19
14	H	1218	CLA	C11-C12-C13-C14
14	H	1238	CLA	C16-C17-C18-C19
14	a	505	CLA	C6-C7-C8-C10
14	e	1105	CLA	C6-C7-C8-C10
14	e	1126	CLA	C16-C17-C18-C20
14	e	1101	CLA	C16-C17-C18-C19
14	e	1101	CLA	C16-C17-C18-C20
14	f	1208	CLA	C16-C17-C18-C19
14	f	1218	CLA	C11-C12-C13-C14
14	f	1238	CLA	C16-C17-C18-C19
14	s	505	CLA	C6-C7-C8-C10
15	A	2001	PQN	C26-C27-C28-C29
15	G	2001	PQN	C26-C27-C28-C29
15	e	2001	PQN	C26-C27-C28-C29
21	B	1852	SQD	O5-C1-O6-C44

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Mol	Chain	Res	Type	Atoms
21	H	1852	SQD	O5-C1-O6-C44
21	f	1852	SQD	O5-C1-O6-C44
14	A	1127	CLA	C15-C16-C17-C18
14	B	1229	CLA	C15-C16-C17-C18
14	G	1127	CLA	C15-C16-C17-C18
14	e	1127	CLA	C15-C16-C17-C18
18	A	5002	LHG	C11-C10-C9-C8
18	B	1855	LHG	C26-C27-C28-C29
18	I	5001	LHG	C29-C30-C31-C32
18	G	5002	LHG	C11-C10-C9-C8
18	H	1855	LHG	C26-C27-C28-C29
18	S	5001	LHG	C29-C30-C31-C32
18	e	5002	LHG	C11-C10-C9-C8
18	e	5008	LHG	C10-C11-C12-C13
18	f	1855	LHG	C26-C27-C28-C29
18	k	5001	LHG	C29-C30-C31-C32
21	B	1852	SQD	C27-C28-C29-C30
21	H	1852	SQD	C27-C28-C29-C30
21	f	1852	SQD	C27-C28-C29-C30
14	B	1221	CLA	O1D-CGD-O2D-CED
14	6	509	CLA	O1D-CGD-O2D-CED
14	H	1221	CLA	O1D-CGD-O2D-CED
14	f	1221	CLA	O1D-CGD-O2D-CED
14	v	509	CLA	O1D-CGD-O2D-CED
18	A	5002	LHG	C31-C32-C33-C34
18	A	5007	LHG	C32-C33-C34-C35
18	L	5218	LHG	C32-C33-C34-C35
18	G	5002	LHG	C31-C32-C33-C34
18	G	5007	LHG	C32-C33-C34-C35
18	V	5218	LHG	C32-C33-C34-C35
18	e	5002	LHG	C31-C32-C33-C34
18	e	5007	LHG	C32-C33-C34-C35
18	n	5218	LHG	C32-C33-C34-C35
14	H	1229	CLA	C15-C16-C17-C18
14	f	1229	CLA	C15-C16-C17-C18
18	A	5005	LHG	C13-C14-C15-C16
18	G	5005	LHG	C13-C14-C15-C16
18	e	5005	LHG	C13-C14-C15-C16
21	L	5216	SQD	C24-C23-O48-C46
21	V	5216	SQD	C24-C23-O48-C46
21	n	5216	SQD	C24-C23-O48-C46
18	A	5001	LHG	C32-C33-C34-C35

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Mol	Chain	Res	Type	Atoms
18	G	5001	LHG	C32-C33-C34-C35
18	e	5001	LHG	C32-C33-C34-C35
14	5	510	CLA	O1D-CGD-O2D-CED
14	c	510	CLA	O1D-CGD-O2D-CED
14	d	509	CLA	O1D-CGD-O2D-CED
14	u	510	CLA	O1D-CGD-O2D-CED
14	A	1103	CLA	C3A-C2A-CAA-CBA
14	A	1110	CLA	C3A-C2A-CAA-CBA
14	A	1125	CLA	C3A-C2A-CAA-CBA
14	A	1134	CLA	C3A-C2A-CAA-CBA
14	A	1135	CLA	C3A-C2A-CAA-CBA
14	A	1139	CLA	C3A-C2A-CAA-CBA
14	A	1140	CLA	C3A-C2A-CAA-CBA
14	A	1022	CLA	C3A-C2A-CAA-CBA
14	A	1101	CLA	C3A-C2A-CAA-CBA
14	B	1210	CLA	C3A-C2A-CAA-CBA
14	B	1219	CLA	C3A-C2A-CAA-CBA
14	B	1221	CLA	C3A-C2A-CAA-CBA
14	F	1302	CLA	C3A-C2A-CAA-CBA
14	K	1105	CLA	C3A-C2A-CAA-CBA
14	5	516	CLA	C3A-C2A-CAA-CBA
14	6	512	CLA	C3A-C2A-CAA-CBA
14	6	516	CLA	C3A-C2A-CAA-CBA
14	G	1103	CLA	C3A-C2A-CAA-CBA
14	G	1110	CLA	C3A-C2A-CAA-CBA
14	G	1125	CLA	C3A-C2A-CAA-CBA
14	G	1134	CLA	C3A-C2A-CAA-CBA
14	G	1135	CLA	C3A-C2A-CAA-CBA
14	G	1139	CLA	C3A-C2A-CAA-CBA
14	G	1140	CLA	C3A-C2A-CAA-CBA
14	G	1022	CLA	C3A-C2A-CAA-CBA
14	G	1101	CLA	C3A-C2A-CAA-CBA
14	H	1210	CLA	C3A-C2A-CAA-CBA
14	H	1219	CLA	C3A-C2A-CAA-CBA
14	H	1221	CLA	C3A-C2A-CAA-CBA
14	R	1302	CLA	C3A-C2A-CAA-CBA
14	U	1105	CLA	C3A-C2A-CAA-CBA
14	c	516	CLA	C3A-C2A-CAA-CBA
14	d	512	CLA	C3A-C2A-CAA-CBA
14	d	516	CLA	C3A-C2A-CAA-CBA
14	e	1103	CLA	C3A-C2A-CAA-CBA
14	e	1110	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	e	1125	CLA	C3A-C2A-CAA-CBA
14	e	1134	CLA	C3A-C2A-CAA-CBA
14	e	1135	CLA	C3A-C2A-CAA-CBA
14	e	1139	CLA	C3A-C2A-CAA-CBA
14	e	1140	CLA	C3A-C2A-CAA-CBA
14	e	1022	CLA	C3A-C2A-CAA-CBA
14	e	1101	CLA	C3A-C2A-CAA-CBA
14	f	1210	CLA	C3A-C2A-CAA-CBA
14	f	1219	CLA	C3A-C2A-CAA-CBA
14	f	1221	CLA	C3A-C2A-CAA-CBA
14	j	1302	CLA	C3A-C2A-CAA-CBA
14	m	1105	CLA	C3A-C2A-CAA-CBA
14	u	516	CLA	C3A-C2A-CAA-CBA
14	v	512	CLA	C3A-C2A-CAA-CBA
14	v	516	CLA	C3A-C2A-CAA-CBA
14	B	1208	CLA	C13-C15-C16-C17
14	B	1210	CLA	C5-C6-C7-C8
14	H	1208	CLA	C13-C15-C16-C17
14	f	1208	CLA	C13-C15-C16-C17
19	B	1843	LMU	C2-C1-O1'-C1'
19	J	5105	LMU	C2-C1-O1'-C1'
19	H	1843	LMU	C2-C1-O1'-C1'
19	T	5105	LMU	C2-C1-O1'-C1'
19	f	1843	LMU	C2-C1-O1'-C1'
19	l	5105	LMU	C2-C1-O1'-C1'
18	A	5001	LHG	C29-C30-C31-C32
18	G	5001	LHG	C29-C30-C31-C32
18	e	5001	LHG	C29-C30-C31-C32
14	A	1105	CLA	C6-C7-C8-C9
14	A	1140	CLA	C16-C17-C18-C19
14	B	1208	CLA	C16-C17-C18-C19
14	B	1210	CLA	C16-C17-C18-C19
14	B	1238	CLA	C16-C17-C18-C20
14	6	505	CLA	C16-C17-C18-C19
14	G	1105	CLA	C6-C7-C8-C9
14	G	1140	CLA	C16-C17-C18-C19
14	H	1210	CLA	C16-C17-C18-C19
14	H	1238	CLA	C16-C17-C18-C20
14	d	505	CLA	C16-C17-C18-C19
14	e	1105	CLA	C6-C7-C8-C9
14	e	1140	CLA	C16-C17-C18-C19
14	f	1210	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	f	1238	CLA	C16-C17-C18-C20
14	v	505	CLA	C16-C17-C18-C19
20	B	5002	LMG	C21-C22-C23-C24
20	H	5002	LMG	C21-C22-C23-C24
20	f	5002	LMG	C21-C22-C23-C24
14	H	1210	CLA	C5-C6-C7-C8
18	A	5001	LHG	C4-C5-C6-O8
18	G	5001	LHG	C4-C5-C6-O8
18	e	5001	LHG	C4-C5-C6-O8
14	A	1110	CLA	CBD-CGD-O2D-CED
14	l	519	CLA	CBD-CGD-O2D-CED
14	G	1110	CLA	CBD-CGD-O2D-CED
14	e	1110	CLA	CBD-CGD-O2D-CED
14	q	519	CLA	CBD-CGD-O2D-CED
18	I	5001	LHG	C33-C34-C35-C36
18	S	5001	LHG	C33-C34-C35-C36
18	k	5001	LHG	C33-C34-C35-C36
14	q	517	CLA	O1D-CGD-O2D-CED
18	L	5221	LHG	C28-C29-C30-C31
18	V	5221	LHG	C28-C29-C30-C31
18	f	1842	LHG	C31-C32-C33-C34
18	n	5221	LHG	C28-C29-C30-C31
14	L	1502	CLA	O1A-CGA-O2A-C1
14	V	1502	CLA	O1A-CGA-O2A-C1
14	n	1502	CLA	O1A-CGA-O2A-C1
14	f	1210	CLA	C5-C6-C7-C8
14	A	1124	CLA	C4-C3-C5-C6
14	B	1208	CLA	C4-C3-C5-C6
14	G	1124	CLA	C4-C3-C5-C6
14	H	1208	CLA	C4-C3-C5-C6
14	e	1124	CLA	C4-C3-C5-C6
14	f	1208	CLA	C4-C3-C5-C6
15	B	2002	PQN	C14-C13-C15-C16
15	H	2002	PQN	C14-C13-C15-C16
15	f	2002	PQN	C14-C13-C15-C16
14	A	1120	CLA	CBA-CGA-O2A-C1
14	G	1120	CLA	CBA-CGA-O2A-C1
14	e	1120	CLA	CBA-CGA-O2A-C1
14	A	1102	CLA	C2-C3-C5-C6
14	A	1124	CLA	C2-C3-C5-C6
14	B	1227	CLA	C2-C3-C5-C6
14	L	1503	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	G	1102	CLA	C2-C3-C5-C6
14	G	1124	CLA	C2-C3-C5-C6
14	H	1227	CLA	C2-C3-C5-C6
14	V	1503	CLA	C2-C3-C5-C6
14	e	1102	CLA	C2-C3-C5-C6
14	e	1124	CLA	C2-C3-C5-C6
14	f	1227	CLA	C2-C3-C5-C6
14	n	1503	CLA	C2-C3-C5-C6
14	A	1011	CLA	O1D-CGD-O2D-CED
14	A	1122	CLA	O1D-CGD-O2D-CED
14	l	517	CLA	O1D-CGD-O2D-CED
14	G	1011	CLA	O1D-CGD-O2D-CED
14	G	1122	CLA	O1D-CGD-O2D-CED
14	e	1011	CLA	O1D-CGD-O2D-CED
14	e	1122	CLA	O1D-CGD-O2D-CED
14	Y	519	CLA	CBD-CGD-O2D-CED
18	A	5009	LHG	C24-C25-C26-C27
18	B	1842	LHG	C31-C32-C33-C34
18	G	5009	LHG	C24-C25-C26-C27
18	H	1842	LHG	C31-C32-C33-C34
18	e	5009	LHG	C24-C25-C26-C27
14	Y	517	CLA	O1D-CGD-O2D-CED
18	I	5001	LHG	O1-C1-C2-O2
18	L	5221	LHG	O1-C1-C2-O2
18	S	5001	LHG	O1-C1-C2-O2
18	V	5221	LHG	O1-C1-C2-O2
18	k	5001	LHG	O1-C1-C2-O2
18	n	5221	LHG	O1-C1-C2-O2
14	A	1121	CLA	C6-C7-C8-C10
14	B	1207	CLA	C16-C17-C18-C20
14	G	1121	CLA	C6-C7-C8-C10
14	H	1207	CLA	C16-C17-C18-C20
14	e	1121	CLA	C6-C7-C8-C10
14	f	1207	CLA	C16-C17-C18-C20
18	A	5008	LHG	C13-C14-C15-C16
18	G	5008	LHG	C13-C14-C15-C16
18	e	5008	LHG	C13-C14-C15-C16
14	A	1127	CLA	C8-C10-C11-C12
14	B	1235	CLA	C5-C6-C7-C8
14	2	503	CLA	C8-C10-C11-C12
14	G	1127	CLA	C8-C10-C11-C12
14	H	1235	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	Z	503	CLA	C8-C10-C11-C12
14	e	1127	CLA	C8-C10-C11-C12
14	f	1235	CLA	C5-C6-C7-C8
14	r	503	CLA	C8-C10-C11-C12
18	A	5006	LHG	C26-C27-C28-C29
18	G	5006	LHG	C26-C27-C28-C29
18	e	5006	LHG	C26-C27-C28-C29
14	B	1232	CLA	O1A-CGA-O2A-C1
14	H	1232	CLA	O1A-CGA-O2A-C1
14	f	1232	CLA	O1A-CGA-O2A-C1
18	A	5005	LHG	O10-C23-O8-C6
18	G	5005	LHG	O10-C23-O8-C6
18	e	5005	LHG	O10-C23-O8-C6
15	B	2002	PQN	C25-C26-C27-C28
15	H	2002	PQN	C25-C26-C27-C28
15	f	2002	PQN	C25-C26-C27-C28
18	G	5009	LHG	C10-C11-C12-C13
18	e	5009	LHG	C10-C11-C12-C13
20	B	5002	LMG	C16-C17-C18-C19
20	H	5002	LMG	C16-C17-C18-C19
20	f	5002	LMG	C16-C17-C18-C19
21	L	5216	SQD	C13-C14-C15-C16
21	V	5216	SQD	C13-C14-C15-C16
21	n	5216	SQD	C13-C14-C15-C16
14	A	1118	CLA	C2-C1-O2A-CGA
14	G	1118	CLA	C2-C1-O2A-CGA
14	e	1118	CLA	C2-C1-O2A-CGA
18	A	5009	LHG	C10-C11-C12-C13
14	A	1117	CLA	C13-C15-C16-C17
14	G	1117	CLA	C13-C15-C16-C17
14	e	1117	CLA	C13-C15-C16-C17
14	A	1137	CLA	C3-C5-C6-C7
14	G	1137	CLA	C3-C5-C6-C7
14	e	1137	CLA	C3-C5-C6-C7
17	A	4008	BCR	C23-C24-C25-C30
17	A	4011	BCR	C23-C24-C25-C26
17	A	4011	BCR	C23-C24-C25-C30
17	B	4004	BCR	C1-C6-C7-C8
17	B	4004	BCR	C5-C6-C7-C8
17	B	4004	BCR	C23-C24-C25-C26
17	B	4005	BCR	C23-C24-C25-C26
17	B	4010	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
17	B	4017	BCR	C5-C6-C7-C8
17	B	4014	BCR	C23-C24-C25-C26
17	J	4015	BCR	C23-C24-C25-C26
17	J	4012	BCR	C1-C6-C7-C8
17	J	4012	BCR	C23-C24-C25-C26
17	J	4012	BCR	C23-C24-C25-C30
17	L	4019	BCR	C23-C24-C25-C26
17	L	4019	BCR	C23-C24-C25-C30
17	M	4021	BCR	C1-C6-C7-C8
17	1	521	BCR	C1-C6-C7-C8
17	1	521	BCR	C5-C6-C7-C8
17	1	521	BCR	C23-C24-C25-C26
17	1	521	BCR	C23-C24-C25-C30
17	1	523	BCR	C1-C6-C7-C8
17	1	523	BCR	C5-C6-C7-C8
17	1	523	BCR	C23-C24-C25-C26
17	1	523	BCR	C23-C24-C25-C30
17	2	521	BCR	C1-C6-C7-C8
17	2	521	BCR	C5-C6-C7-C8
17	2	522	BCR	C1-C6-C7-C8
17	2	523	BCR	C23-C24-C25-C26
17	2	523	BCR	C23-C24-C25-C30
17	2	524	BCR	C23-C24-C25-C26
17	2	524	BCR	C23-C24-C25-C30
17	3	521	BCR	C1-C6-C7-C8
17	3	521	BCR	C5-C6-C7-C8
17	3	523	BCR	C23-C24-C25-C26
17	3	523	BCR	C23-C24-C25-C30
17	4	521	BCR	C1-C6-C7-C8
17	4	521	BCR	C5-C6-C7-C8
17	4	521	BCR	C23-C24-C25-C26
17	4	521	BCR	C23-C24-C25-C30
17	4	522	BCR	C1-C6-C7-C8
17	4	522	BCR	C5-C6-C7-C8
17	4	523	BCR	C23-C24-C25-C26
17	4	523	BCR	C23-C24-C25-C30
17	4	524	BCR	C23-C24-C25-C26
17	4	524	BCR	C23-C24-C25-C30
17	5	522	BCR	C1-C6-C7-C8
17	5	523	BCR	C23-C24-C25-C26
17	5	523	BCR	C23-C24-C25-C30
17	5	524	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
17	5	524	BCR	C23-C24-C25-C30
17	6	521	BCR	C1-C6-C7-C8
17	6	521	BCR	C5-C6-C7-C8
17	6	522	BCR	C1-C6-C7-C8
17	6	523	BCR	C23-C24-C25-C26
17	6	523	BCR	C23-C24-C25-C30
17	G	4008	BCR	C23-C24-C25-C30
17	G	4011	BCR	C23-C24-C25-C26
17	G	4011	BCR	C23-C24-C25-C30
17	H	4004	BCR	C1-C6-C7-C8
17	H	4004	BCR	C5-C6-C7-C8
17	H	4004	BCR	C23-C24-C25-C26
17	H	4005	BCR	C23-C24-C25-C26
17	H	4010	BCR	C23-C24-C25-C30
17	H	4017	BCR	C5-C6-C7-C8
17	H	4014	BCR	C23-C24-C25-C26
17	T	4015	BCR	C23-C24-C25-C26
17	T	4012	BCR	C1-C6-C7-C8
17	T	4012	BCR	C23-C24-C25-C26
17	T	4012	BCR	C23-C24-C25-C30
17	V	4019	BCR	C23-C24-C25-C26
17	V	4019	BCR	C23-C24-C25-C30
17	W	4021	BCR	C1-C6-C7-C8
17	Y	521	BCR	C1-C6-C7-C8
17	Y	521	BCR	C5-C6-C7-C8
17	Y	521	BCR	C23-C24-C25-C26
17	Y	521	BCR	C23-C24-C25-C30
17	Y	523	BCR	C1-C6-C7-C8
17	Y	523	BCR	C5-C6-C7-C8
17	Y	523	BCR	C23-C24-C25-C26
17	Y	523	BCR	C23-C24-C25-C30
17	Z	521	BCR	C1-C6-C7-C8
17	Z	521	BCR	C5-C6-C7-C8
17	Z	522	BCR	C1-C6-C7-C8
17	Z	523	BCR	C23-C24-C25-C26
17	Z	523	BCR	C23-C24-C25-C30
17	Z	524	BCR	C23-C24-C25-C26
17	Z	524	BCR	C23-C24-C25-C30
17	a	521	BCR	C1-C6-C7-C8
17	a	521	BCR	C5-C6-C7-C8
17	a	523	BCR	C23-C24-C25-C26
17	a	523	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
17	b	521	BCR	C1-C6-C7-C8
17	b	521	BCR	C5-C6-C7-C8
17	b	521	BCR	C23-C24-C25-C26
17	b	521	BCR	C23-C24-C25-C30
17	b	522	BCR	C1-C6-C7-C8
17	b	522	BCR	C5-C6-C7-C8
17	b	523	BCR	C23-C24-C25-C26
17	b	523	BCR	C23-C24-C25-C30
17	b	524	BCR	C23-C24-C25-C26
17	b	524	BCR	C23-C24-C25-C30
17	c	522	BCR	C1-C6-C7-C8
17	c	523	BCR	C23-C24-C25-C26
17	c	523	BCR	C23-C24-C25-C30
17	c	524	BCR	C23-C24-C25-C26
17	c	524	BCR	C23-C24-C25-C30
17	d	521	BCR	C1-C6-C7-C8
17	d	521	BCR	C5-C6-C7-C8
17	d	522	BCR	C1-C6-C7-C8
17	d	523	BCR	C23-C24-C25-C26
17	d	523	BCR	C23-C24-C25-C30
17	e	4008	BCR	C23-C24-C25-C30
17	e	4011	BCR	C23-C24-C25-C26
17	e	4011	BCR	C23-C24-C25-C30
17	f	4004	BCR	C1-C6-C7-C8
17	f	4004	BCR	C5-C6-C7-C8
17	f	4004	BCR	C23-C24-C25-C26
17	f	4005	BCR	C23-C24-C25-C26
17	f	4010	BCR	C23-C24-C25-C30
17	f	4017	BCR	C5-C6-C7-C8
17	f	4014	BCR	C23-C24-C25-C26
17	l	4015	BCR	C23-C24-C25-C26
17	l	4012	BCR	C1-C6-C7-C8
17	l	4012	BCR	C23-C24-C25-C26
17	l	4012	BCR	C23-C24-C25-C30
17	n	4019	BCR	C23-C24-C25-C26
17	n	4019	BCR	C23-C24-C25-C30
17	o	4021	BCR	C1-C6-C7-C8
17	q	521	BCR	C1-C6-C7-C8
17	q	521	BCR	C5-C6-C7-C8
17	q	521	BCR	C23-C24-C25-C26
17	q	521	BCR	C23-C24-C25-C30
17	q	523	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	q	523	BCR	C5-C6-C7-C8
17	q	523	BCR	C23-C24-C25-C26
17	q	523	BCR	C23-C24-C25-C30
17	r	521	BCR	C1-C6-C7-C8
17	r	521	BCR	C5-C6-C7-C8
17	r	522	BCR	C1-C6-C7-C8
17	r	523	BCR	C23-C24-C25-C26
17	r	523	BCR	C23-C24-C25-C30
17	r	524	BCR	C23-C24-C25-C26
17	r	524	BCR	C23-C24-C25-C30
17	s	521	BCR	C1-C6-C7-C8
17	s	521	BCR	C5-C6-C7-C8
17	s	523	BCR	C23-C24-C25-C26
17	s	523	BCR	C23-C24-C25-C30
17	t	521	BCR	C1-C6-C7-C8
17	t	521	BCR	C5-C6-C7-C8
17	t	521	BCR	C23-C24-C25-C26
17	t	521	BCR	C23-C24-C25-C30
17	t	522	BCR	C1-C6-C7-C8
17	t	522	BCR	C5-C6-C7-C8
17	t	523	BCR	C23-C24-C25-C26
17	t	523	BCR	C23-C24-C25-C30
17	t	524	BCR	C23-C24-C25-C26
17	t	524	BCR	C23-C24-C25-C30
17	u	522	BCR	C1-C6-C7-C8
17	u	523	BCR	C23-C24-C25-C26
17	u	523	BCR	C23-C24-C25-C30
17	u	524	BCR	C23-C24-C25-C26
17	u	524	BCR	C23-C24-C25-C30
17	v	521	BCR	C1-C6-C7-C8
17	v	521	BCR	C5-C6-C7-C8
17	v	522	BCR	C1-C6-C7-C8
17	v	523	BCR	C23-C24-C25-C26
17	v	523	BCR	C23-C24-C25-C30
18	L	5221	LHG	C32-C33-C34-C35
14	B	1215	CLA	CBA-CGA-O2A-C1
14	H	1215	CLA	CBA-CGA-O2A-C1
14	f	1215	CLA	CBA-CGA-O2A-C1
20	J	5104	LMG	C29-C28-O8-C9
20	T	5104	LMG	C29-C28-O8-C9
20	l	5104	LMG	C29-C28-O8-C9
14	A	1133	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	A	1136	CLA	C13-C15-C16-C17
14	2	501	CLA	C10-C11-C12-C13
14	G	1133	CLA	C13-C15-C16-C17
14	G	1136	CLA	C13-C15-C16-C17
14	Z	501	CLA	C10-C11-C12-C13
14	e	1133	CLA	C13-C15-C16-C17
14	e	1136	CLA	C13-C15-C16-C17
14	r	501	CLA	C10-C11-C12-C13
18	L	5221	LHG	C27-C28-C29-C30
18	V	5221	LHG	C27-C28-C29-C30
18	V	5221	LHG	C32-C33-C34-C35
18	n	5221	LHG	C27-C28-C29-C30
18	n	5221	LHG	C32-C33-C34-C35
14	A	1120	CLA	O1D-CGD-O2D-CED
14	e	1120	CLA	O1D-CGD-O2D-CED
14	j	1302	CLA	CBD-CGD-O2D-CED
14	A	1133	CLA	C15-C16-C17-C18
14	B	1218	CLA	C5-C6-C7-C8
14	H	1218	CLA	C5-C6-C7-C8
14	e	1133	CLA	C15-C16-C17-C18
14	f	1218	CLA	C5-C6-C7-C8
14	G	1120	CLA	O1D-CGD-O2D-CED
21	6	822	SQD	C24-C23-O48-C46
21	d	822	SQD	C24-C23-O48-C46
21	v	822	SQD	C24-C23-O48-C46
18	A	5009	LHG	C27-C28-C29-C30
18	G	5009	LHG	C27-C28-C29-C30
18	e	5009	LHG	C27-C28-C29-C30
20	B	5002	LMG	C37-C38-C39-C40
20	H	5002	LMG	C37-C38-C39-C40
20	f	5002	LMG	C37-C38-C39-C40
14	A	1117	CLA	C4-C3-C5-C6
14	B	1227	CLA	C4-C3-C5-C6
14	G	1117	CLA	C4-C3-C5-C6
14	H	1227	CLA	C4-C3-C5-C6
14	e	1117	CLA	C4-C3-C5-C6
14	f	1227	CLA	C4-C3-C5-C6
14	A	1103	CLA	C11-C10-C8-C7
14	A	1110	CLA	C2-C3-C5-C6
14	A	1117	CLA	C2-C3-C5-C6
14	A	1132	CLA	C2-C3-C5-C6
14	A	1133	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	B	1208	CLA	C2-C3-C5-C6
14	B	1214	CLA	C12-C13-C15-C16
14	B	1223	CLA	C12-C13-C15-C16
14	B	1231	CLA	C2-C3-C5-C6
14	B	1234	CLA	C11-C12-C13-C15
14	B	1239	CLA	C6-C7-C8-C10
14	L	1503	CLA	C6-C7-C8-C10
14	G	1103	CLA	C11-C10-C8-C7
14	G	1110	CLA	C2-C3-C5-C6
14	G	1117	CLA	C2-C3-C5-C6
14	G	1132	CLA	C2-C3-C5-C6
14	G	1133	CLA	C11-C12-C13-C15
14	H	1208	CLA	C2-C3-C5-C6
14	H	1214	CLA	C12-C13-C15-C16
14	H	1223	CLA	C12-C13-C15-C16
14	H	1231	CLA	C2-C3-C5-C6
14	H	1234	CLA	C11-C12-C13-C15
14	H	1239	CLA	C6-C7-C8-C10
14	V	1503	CLA	C6-C7-C8-C10
14	e	1103	CLA	C11-C10-C8-C7
14	e	1110	CLA	C2-C3-C5-C6
14	e	1132	CLA	C2-C3-C5-C6
14	e	1133	CLA	C11-C12-C13-C15
14	f	1208	CLA	C2-C3-C5-C6
14	f	1214	CLA	C12-C13-C15-C16
14	f	1223	CLA	C12-C13-C15-C16
14	f	1231	CLA	C2-C3-C5-C6
14	f	1234	CLA	C11-C12-C13-C15
14	f	1239	CLA	C6-C7-C8-C10
14	n	1503	CLA	C6-C7-C8-C10
14	A	1124	CLA	C3-C5-C6-C7
14	G	1124	CLA	C3-C5-C6-C7
14	e	1124	CLA	C3-C5-C6-C7
14	A	1120	CLA	O1A-CGA-O2A-C1
14	G	1120	CLA	O1A-CGA-O2A-C1
14	e	1120	CLA	O1A-CGA-O2A-C1
18	A	5009	LHG	C11-C12-C13-C14
18	G	5009	LHG	C11-C12-C13-C14
18	e	5009	LHG	C11-C12-C13-C14
14	A	1117	CLA	C8-C10-C11-C12
14	A	1136	CLA	C10-C11-C12-C13
14	A	1138	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B	1202	CLA	C13-C15-C16-C17
14	B	1221	CLA	C5-C6-C7-C8
14	G	1117	CLA	C8-C10-C11-C12
14	G	1133	CLA	C15-C16-C17-C18
14	G	1138	CLA	C8-C10-C11-C12
14	H	1202	CLA	C13-C15-C16-C17
14	e	1136	CLA	C10-C11-C12-C13
14	e	1138	CLA	C8-C10-C11-C12
14	f	1202	CLA	C13-C15-C16-C17
14	f	1221	CLA	C5-C6-C7-C8
17	B	4010	BCR	C9-C10-C11-C12
17	2	522	BCR	C9-C10-C11-C12
17	H	4010	BCR	C9-C10-C11-C12
17	Z	522	BCR	C9-C10-C11-C12
17	f	4010	BCR	C9-C10-C11-C12
17	r	522	BCR	C9-C10-C11-C12
14	F	1302	CLA	CBD-CGD-O2D-CED
14	R	1302	CLA	CBD-CGD-O2D-CED
14	A	1111	CLA	C16-C17-C18-C20
14	B	1226	CLA	C6-C7-C8-C10
14	G	1111	CLA	C16-C17-C18-C20
14	H	1226	CLA	C6-C7-C8-C10
14	e	1111	CLA	C16-C17-C18-C20
14	f	1226	CLA	C6-C7-C8-C10
14	A	1132	CLA	CBA-CGA-O2A-C1
14	B	1201	CLA	CBA-CGA-O2A-C1
14	G	1132	CLA	CBA-CGA-O2A-C1
14	H	1201	CLA	CBA-CGA-O2A-C1
14	e	1132	CLA	CBA-CGA-O2A-C1
14	f	1201	CLA	CBA-CGA-O2A-C1
14	A	1135	CLA	C2A-CAA-CBA-CGA
14	B	1023	CLA	C2A-CAA-CBA-CGA
14	L	1501	CLA	C2A-CAA-CBA-CGA
14	1	501	CLA	C2A-CAA-CBA-CGA
14	4	505	CLA	C2A-CAA-CBA-CGA
14	G	1135	CLA	C2A-CAA-CBA-CGA
14	H	1023	CLA	C2A-CAA-CBA-CGA
14	V	1501	CLA	C2A-CAA-CBA-CGA
14	Y	501	CLA	C2A-CAA-CBA-CGA
14	b	505	CLA	C2A-CAA-CBA-CGA
14	e	1135	CLA	C2A-CAA-CBA-CGA
14	f	1023	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	n	1501	CLA	C2A-CAA-CBA-CGA
14	q	501	CLA	C2A-CAA-CBA-CGA
14	t	505	CLA	C2A-CAA-CBA-CGA
14	B	1210	CLA	C13-C15-C16-C17
14	B	1207	CLA	C10-C11-C12-C13
14	G	1136	CLA	C10-C11-C12-C13
14	H	1210	CLA	C13-C15-C16-C17
14	H	1221	CLA	C5-C6-C7-C8
14	H	1207	CLA	C10-C11-C12-C13
14	e	1117	CLA	C8-C10-C11-C12
14	f	1210	CLA	C13-C15-C16-C17
14	f	1207	CLA	C10-C11-C12-C13
18	I	5001	LHG	C27-C28-C29-C30
18	L	5220	LHG	C29-C30-C31-C32
18	S	5001	LHG	C27-C28-C29-C30
18	k	5001	LHG	C27-C28-C29-C30
14	G	1103	CLA	O1D-CGD-O2D-CED
14	B	1240	CLA	CBD-CGD-O2D-CED
14	f	1240	CLA	CBD-CGD-O2D-CED
18	V	5220	LHG	C29-C30-C31-C32
18	n	5220	LHG	C29-C30-C31-C32
14	A	1103	CLA	O1D-CGD-O2D-CED
14	e	1103	CLA	O1D-CGD-O2D-CED
20	T	5104	LMG	C31-C32-C33-C34
20	l	5104	LMG	C31-C32-C33-C34
19	A	1848	LMU	O5B-C5B-C6B-O6B
19	G	1848	LMU	O5B-C5B-C6B-O6B
19	e	1848	LMU	O5B-C5B-C6B-O6B
14	H	1240	CLA	CBD-CGD-O2D-CED
14	f	1227	CLA	CBD-CGD-O2D-CED
14	A	1105	CLA	CBA-CGA-O2A-C1
14	G	1105	CLA	CBA-CGA-O2A-C1
14	e	1105	CLA	CBA-CGA-O2A-C1
19	A	1849	LMU	O5'-C1'-O1'-C1
19	G	1849	LMU	O5'-C1'-O1'-C1
19	e	1849	LMU	O5'-C1'-O1'-C1
18	A	5009	LHG	C11-C10-C9-C8
18	G	5009	LHG	C11-C10-C9-C8
18	e	5009	LHG	C11-C10-C9-C8
20	J	5104	LMG	C31-C32-C33-C34
20	B	5002	LMG	C28-C29-C30-C31
20	H	5002	LMG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
20	f	5002	LMG	C28-C29-C30-C31
18	A	5001	LHG	C8-C7-O7-C5
18	G	5001	LHG	C8-C7-O7-C5
18	e	5001	LHG	C8-C7-O7-C5
20	J	5104	LMG	C11-C10-O7-C8
20	T	5104	LMG	C11-C10-O7-C8
20	l	5104	LMG	C11-C10-O7-C8
14	2	509	CLA	C5-C6-C7-C8
14	B	1227	CLA	CBD-CGD-O2D-CED
14	H	1227	CLA	CBD-CGD-O2D-CED
18	A	5005	LHG	O9-C7-O7-C5
18	G	5005	LHG	O9-C7-O7-C5
18	e	5005	LHG	O9-C7-O7-C5
14	B	1213	CLA	C3-C5-C6-C7
14	H	1213	CLA	C3-C5-C6-C7
14	f	1213	CLA	C3-C5-C6-C7
18	A	5002	LHG	C25-C26-C27-C28
18	G	5002	LHG	C25-C26-C27-C28
18	e	5002	LHG	C25-C26-C27-C28
14	Z	509	CLA	C5-C6-C7-C8
14	r	509	CLA	C5-C6-C7-C8
18	I	5001	LHG	O7-C5-C6-O8
18	S	5001	LHG	O7-C5-C6-O8
18	k	5001	LHG	O7-C5-C6-O8
20	B	5002	LMG	O7-C8-C9-O8
20	H	5002	LMG	O7-C8-C9-O8
20	f	5002	LMG	O7-C8-C9-O8
18	k	5001	LHG	C28-C29-C30-C31
14	A	1125	CLA	C13-C15-C16-C17
14	G	1125	CLA	C13-C15-C16-C17
14	e	1125	CLA	C13-C15-C16-C17
14	A	1110	CLA	C4-C3-C5-C6
14	A	1101	CLA	C4-C3-C5-C6
14	B	1231	CLA	C4-C3-C5-C6
14	G	1110	CLA	C4-C3-C5-C6
14	G	1101	CLA	C4-C3-C5-C6
14	H	1231	CLA	C4-C3-C5-C6
14	e	1110	CLA	C4-C3-C5-C6
14	e	1101	CLA	C4-C3-C5-C6
14	f	1231	CLA	C4-C3-C5-C6
14	e	1117	CLA	C2-C3-C5-C6
18	A	5009	LHG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
18	I	5001	LHG	C28-C29-C30-C31
18	G	5009	LHG	C28-C29-C30-C31
18	S	5001	LHG	C28-C29-C30-C31
18	e	5009	LHG	C28-C29-C30-C31
14	A	1103	CLA	C11-C10-C8-C9
14	A	1109	CLA	C11-C12-C13-C14
14	A	1123	CLA	C11-C10-C8-C9
14	A	1127	CLA	C14-C13-C15-C16
14	A	1138	CLA	C11-C10-C8-C9
14	A	1139	CLA	C11-C10-C8-C9
14	B	1216	CLA	C6-C7-C8-C9
14	B	1221	CLA	C11-C10-C8-C9
14	B	1223	CLA	C11-C12-C13-C14
14	5	509	CLA	C11-C10-C8-C9
14	G	1103	CLA	C11-C10-C8-C9
14	G	1109	CLA	C11-C12-C13-C14
14	G	1119	CLA	C6-C7-C8-C9
14	G	1123	CLA	C11-C10-C8-C9
14	G	1127	CLA	C14-C13-C15-C16
14	G	1138	CLA	C11-C10-C8-C9
14	G	1139	CLA	C11-C10-C8-C9
14	H	1216	CLA	C6-C7-C8-C9
14	H	1221	CLA	C11-C10-C8-C9
14	H	1223	CLA	C11-C12-C13-C14
14	c	509	CLA	C11-C10-C8-C9
14	e	1103	CLA	C11-C10-C8-C9
14	e	1109	CLA	C11-C12-C13-C14
14	e	1123	CLA	C11-C10-C8-C9
14	e	1127	CLA	C14-C13-C15-C16
14	e	1138	CLA	C11-C10-C8-C9
14	e	1139	CLA	C11-C10-C8-C9
14	f	1221	CLA	C11-C10-C8-C9
14	f	1223	CLA	C11-C12-C13-C14
14	u	509	CLA	C11-C10-C8-C9
18	A	5001	LHG	C10-C11-C12-C13
18	G	5001	LHG	C10-C11-C12-C13
18	e	5001	LHG	C10-C11-C12-C13
14	A	1118	CLA	C2A-CAA-CBA-CGA
14	A	1120	CLA	C2A-CAA-CBA-CGA
14	A	1121	CLA	C2A-CAA-CBA-CGA
14	3	512	CLA	C2A-CAA-CBA-CGA
14	5	517	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	G	1118	CLA	C2A-CAA-CBA-CGA
14	G	1120	CLA	C2A-CAA-CBA-CGA
14	G	1121	CLA	C2A-CAA-CBA-CGA
14	a	512	CLA	C2A-CAA-CBA-CGA
14	c	517	CLA	C2A-CAA-CBA-CGA
14	e	1118	CLA	C2A-CAA-CBA-CGA
14	e	1120	CLA	C2A-CAA-CBA-CGA
14	e	1121	CLA	C2A-CAA-CBA-CGA
14	s	512	CLA	C2A-CAA-CBA-CGA
14	u	517	CLA	C2A-CAA-CBA-CGA
19	B	1843	LMU	C7-C8-C9-C10
19	f	1843	LMU	C7-C8-C9-C10
17	e	4001	BCR	C11-C12-C13-C35
14	G	1131	CLA	C13-C15-C16-C17
19	H	1843	LMU	C7-C8-C9-C10
17	3	523	BCR	C21-C22-C23-C24
17	a	523	BCR	C21-C22-C23-C24
17	s	523	BCR	C21-C22-C23-C24
14	A	1102	CLA	C1A-C2A-CAA-CBA
14	A	1106	CLA	C1A-C2A-CAA-CBA
14	A	1107	CLA	C1A-C2A-CAA-CBA
14	A	1109	CLA	C1A-C2A-CAA-CBA
14	A	1116	CLA	C1A-C2A-CAA-CBA
14	A	1118	CLA	C1A-C2A-CAA-CBA
14	A	1120	CLA	C1A-C2A-CAA-CBA
14	A	1122	CLA	C1A-C2A-CAA-CBA
14	A	1125	CLA	C1A-C2A-CAA-CBA
14	A	1129	CLA	C1A-C2A-CAA-CBA
14	A	1132	CLA	C1A-C2A-CAA-CBA
14	A	1134	CLA	C1A-C2A-CAA-CBA
14	A	1135	CLA	C1A-C2A-CAA-CBA
14	A	1022	CLA	C1A-C2A-CAA-CBA
14	A	1130	CLA	C1A-C2A-CAA-CBA
14	A	1101	CLA	C1A-C2A-CAA-CBA
14	B	1219	CLA	C1A-C2A-CAA-CBA
14	B	1221	CLA	C1A-C2A-CAA-CBA
14	B	1225	CLA	C1A-C2A-CAA-CBA
14	B	1226	CLA	C1A-C2A-CAA-CBA
14	B	1227	CLA	C1A-C2A-CAA-CBA
14	F	1302	CLA	C1A-C2A-CAA-CBA
14	J	1302	CLA	C1A-C2A-CAA-CBA
14	J	1303	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	K	1103	CLA	C1A-C2A-CAA-CBA
14	K	1105	CLA	C1A-C2A-CAA-CBA
14	L	1501	CLA	C1A-C2A-CAA-CBA
14	1	503	CLA	C1A-C2A-CAA-CBA
14	1	505	CLA	C1A-C2A-CAA-CBA
14	1	516	CLA	C1A-C2A-CAA-CBA
14	1	519	CLA	C1A-C2A-CAA-CBA
14	2	501	CLA	C1A-C2A-CAA-CBA
14	2	505	CLA	C1A-C2A-CAA-CBA
14	2	516	CLA	C1A-C2A-CAA-CBA
14	2	518	CLA	C1A-C2A-CAA-CBA
14	3	501	CLA	C1A-C2A-CAA-CBA
14	3	503	CLA	C1A-C2A-CAA-CBA
14	3	505	CLA	C1A-C2A-CAA-CBA
14	3	518	CLA	C1A-C2A-CAA-CBA
14	4	501	CLA	C1A-C2A-CAA-CBA
14	4	504	CLA	C1A-C2A-CAA-CBA
14	4	511	CLA	C1A-C2A-CAA-CBA
14	5	501	CLA	C1A-C2A-CAA-CBA
14	5	502	CLA	C1A-C2A-CAA-CBA
14	5	504	CLA	C1A-C2A-CAA-CBA
14	5	505	CLA	C1A-C2A-CAA-CBA
14	5	513	CLA	C1A-C2A-CAA-CBA
14	5	516	CLA	C1A-C2A-CAA-CBA
14	6	501	CLA	C1A-C2A-CAA-CBA
14	6	505	CLA	C1A-C2A-CAA-CBA
14	6	508	CLA	C1A-C2A-CAA-CBA
14	6	512	CLA	C1A-C2A-CAA-CBA
14	6	516	CLA	C1A-C2A-CAA-CBA
14	6	518	CLA	C1A-C2A-CAA-CBA
14	G	1102	CLA	C1A-C2A-CAA-CBA
14	G	1106	CLA	C1A-C2A-CAA-CBA
14	G	1107	CLA	C1A-C2A-CAA-CBA
14	G	1109	CLA	C1A-C2A-CAA-CBA
14	G	1116	CLA	C1A-C2A-CAA-CBA
14	G	1118	CLA	C1A-C2A-CAA-CBA
14	G	1120	CLA	C1A-C2A-CAA-CBA
14	G	1122	CLA	C1A-C2A-CAA-CBA
14	G	1125	CLA	C1A-C2A-CAA-CBA
14	G	1129	CLA	C1A-C2A-CAA-CBA
14	G	1132	CLA	C1A-C2A-CAA-CBA
14	G	1134	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	G	1135	CLA	C1A-C2A-CAA-CBA
14	G	1022	CLA	C1A-C2A-CAA-CBA
14	G	1130	CLA	C1A-C2A-CAA-CBA
14	G	1101	CLA	C1A-C2A-CAA-CBA
14	H	1219	CLA	C1A-C2A-CAA-CBA
14	H	1221	CLA	C1A-C2A-CAA-CBA
14	H	1225	CLA	C1A-C2A-CAA-CBA
14	H	1226	CLA	C1A-C2A-CAA-CBA
14	H	1227	CLA	C1A-C2A-CAA-CBA
14	R	1302	CLA	C1A-C2A-CAA-CBA
14	T	1302	CLA	C1A-C2A-CAA-CBA
14	T	1303	CLA	C1A-C2A-CAA-CBA
14	U	1103	CLA	C1A-C2A-CAA-CBA
14	U	1105	CLA	C1A-C2A-CAA-CBA
14	V	1501	CLA	C1A-C2A-CAA-CBA
14	Y	503	CLA	C1A-C2A-CAA-CBA
14	Y	505	CLA	C1A-C2A-CAA-CBA
14	Y	516	CLA	C1A-C2A-CAA-CBA
14	Y	519	CLA	C1A-C2A-CAA-CBA
14	Z	501	CLA	C1A-C2A-CAA-CBA
14	Z	505	CLA	C1A-C2A-CAA-CBA
14	Z	516	CLA	C1A-C2A-CAA-CBA
14	Z	518	CLA	C1A-C2A-CAA-CBA
14	a	501	CLA	C1A-C2A-CAA-CBA
14	a	503	CLA	C1A-C2A-CAA-CBA
14	a	505	CLA	C1A-C2A-CAA-CBA
14	a	518	CLA	C1A-C2A-CAA-CBA
14	b	501	CLA	C1A-C2A-CAA-CBA
14	b	504	CLA	C1A-C2A-CAA-CBA
14	b	511	CLA	C1A-C2A-CAA-CBA
14	c	501	CLA	C1A-C2A-CAA-CBA
14	c	502	CLA	C1A-C2A-CAA-CBA
14	c	504	CLA	C1A-C2A-CAA-CBA
14	c	505	CLA	C1A-C2A-CAA-CBA
14	c	513	CLA	C1A-C2A-CAA-CBA
14	c	516	CLA	C1A-C2A-CAA-CBA
14	d	501	CLA	C1A-C2A-CAA-CBA
14	d	505	CLA	C1A-C2A-CAA-CBA
14	d	508	CLA	C1A-C2A-CAA-CBA
14	d	512	CLA	C1A-C2A-CAA-CBA
14	d	516	CLA	C1A-C2A-CAA-CBA
14	d	518	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	e	1102	CLA	C1A-C2A-CAA-CBA
14	e	1106	CLA	C1A-C2A-CAA-CBA
14	e	1107	CLA	C1A-C2A-CAA-CBA
14	e	1109	CLA	C1A-C2A-CAA-CBA
14	e	1116	CLA	C1A-C2A-CAA-CBA
14	e	1118	CLA	C1A-C2A-CAA-CBA
14	e	1120	CLA	C1A-C2A-CAA-CBA
14	e	1122	CLA	C1A-C2A-CAA-CBA
14	e	1125	CLA	C1A-C2A-CAA-CBA
14	e	1129	CLA	C1A-C2A-CAA-CBA
14	e	1132	CLA	C1A-C2A-CAA-CBA
14	e	1134	CLA	C1A-C2A-CAA-CBA
14	e	1135	CLA	C1A-C2A-CAA-CBA
14	e	1022	CLA	C1A-C2A-CAA-CBA
14	e	1130	CLA	C1A-C2A-CAA-CBA
14	e	1101	CLA	C1A-C2A-CAA-CBA
14	f	1219	CLA	C1A-C2A-CAA-CBA
14	f	1221	CLA	C1A-C2A-CAA-CBA
14	f	1225	CLA	C1A-C2A-CAA-CBA
14	f	1226	CLA	C1A-C2A-CAA-CBA
14	f	1227	CLA	C1A-C2A-CAA-CBA
14	j	1302	CLA	C1A-C2A-CAA-CBA
14	l	1302	CLA	C1A-C2A-CAA-CBA
14	l	1303	CLA	C1A-C2A-CAA-CBA
14	m	1103	CLA	C1A-C2A-CAA-CBA
14	m	1105	CLA	C1A-C2A-CAA-CBA
14	n	1501	CLA	C1A-C2A-CAA-CBA
14	q	503	CLA	C1A-C2A-CAA-CBA
14	q	505	CLA	C1A-C2A-CAA-CBA
14	q	516	CLA	C1A-C2A-CAA-CBA
14	q	519	CLA	C1A-C2A-CAA-CBA
14	r	501	CLA	C1A-C2A-CAA-CBA
14	r	505	CLA	C1A-C2A-CAA-CBA
14	r	516	CLA	C1A-C2A-CAA-CBA
14	r	518	CLA	C1A-C2A-CAA-CBA
14	s	501	CLA	C1A-C2A-CAA-CBA
14	s	503	CLA	C1A-C2A-CAA-CBA
14	s	505	CLA	C1A-C2A-CAA-CBA
14	s	518	CLA	C1A-C2A-CAA-CBA
14	t	501	CLA	C1A-C2A-CAA-CBA
14	t	504	CLA	C1A-C2A-CAA-CBA
14	t	511	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	u	501	CLA	C1A-C2A-CAA-CBA
14	u	502	CLA	C1A-C2A-CAA-CBA
14	u	504	CLA	C1A-C2A-CAA-CBA
14	u	505	CLA	C1A-C2A-CAA-CBA
14	u	513	CLA	C1A-C2A-CAA-CBA
14	u	516	CLA	C1A-C2A-CAA-CBA
14	v	501	CLA	C1A-C2A-CAA-CBA
14	v	505	CLA	C1A-C2A-CAA-CBA
14	v	508	CLA	C1A-C2A-CAA-CBA
14	v	512	CLA	C1A-C2A-CAA-CBA
14	v	516	CLA	C1A-C2A-CAA-CBA
14	v	518	CLA	C1A-C2A-CAA-CBA
14	B	1208	CLA	C16-C17-C18-C20
14	B	1218	CLA	C11-C12-C13-C15
14	B	1239	CLA	C16-C17-C18-C19
14	B	1239	CLA	C16-C17-C18-C20
14	H	1208	CLA	C16-C17-C18-C20
14	H	1218	CLA	C11-C12-C13-C15
14	H	1239	CLA	C16-C17-C18-C19
14	H	1239	CLA	C16-C17-C18-C20
14	f	1208	CLA	C16-C17-C18-C20
14	f	1218	CLA	C11-C12-C13-C15
14	f	1239	CLA	C16-C17-C18-C19
14	f	1239	CLA	C16-C17-C18-C20
15	B	2002	PQN	C26-C27-C28-C29
15	H	2002	PQN	C26-C27-C28-C29
15	f	2002	PQN	C26-C27-C28-C29
18	L	5221	LHG	C8-C7-O7-C5
18	V	5221	LHG	C8-C7-O7-C5
18	n	5221	LHG	C8-C7-O7-C5
18	A	5006	LHG	C27-C28-C29-C30
18	G	5006	LHG	C27-C28-C29-C30
18	e	5006	LHG	C27-C28-C29-C30
14	A	1131	CLA	C13-C15-C16-C17
14	B	1223	CLA	C10-C11-C12-C13
14	H	1224	CLA	C5-C6-C7-C8
14	e	1131	CLA	C13-C15-C16-C17
14	f	1223	CLA	C10-C11-C12-C13
18	A	5002	LHG	C4-O6-P-O3
18	I	5001	LHG	C3-O3-P-O6
18	G	5002	LHG	C4-O6-P-O3
18	S	5001	LHG	C3-O3-P-O6

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Mol	Chain	Res	Type	Atoms
18	e	5002	LHG	C4-O6-P-O3
18	k	5001	LHG	C3-O3-P-O6
18	A	5008	LHG	C25-C26-C27-C28
18	G	5008	LHG	C25-C26-C27-C28
18	e	5008	LHG	C25-C26-C27-C28
14	A	1132	CLA	O1A-CGA-O2A-C1
14	G	1132	CLA	O1A-CGA-O2A-C1
14	e	1132	CLA	O1A-CGA-O2A-C1
14	B	1203	CLA	C13-C15-C16-C17
14	B	1224	CLA	C5-C6-C7-C8
14	H	1203	CLA	C13-C15-C16-C17
14	H	1223	CLA	C10-C11-C12-C13
14	f	1203	CLA	C13-C15-C16-C17
14	f	1224	CLA	C5-C6-C7-C8
18	A	5007	LHG	O6-C4-C5-C6
18	G	5007	LHG	O6-C4-C5-C6
18	e	5007	LHG	O6-C4-C5-C6
18	L	5218	LHG	C11-C10-C9-C8
18	V	5218	LHG	C11-C10-C9-C8
18	n	5218	LHG	C11-C10-C9-C8
18	A	5002	LHG	C30-C31-C32-C33
18	A	5008	LHG	C12-C13-C14-C15
18	G	5002	LHG	C30-C31-C32-C33
18	G	5008	LHG	C12-C13-C14-C15
18	e	5002	LHG	C30-C31-C32-C33
18	e	5008	LHG	C12-C13-C14-C15
15	A	2001	PQN	C25-C26-C27-C28
15	G	2001	PQN	C25-C26-C27-C28
15	e	2001	PQN	C25-C26-C27-C28
14	B	1217	CLA	C11-C12-C13-C15
14	H	1217	CLA	C11-C12-C13-C15
14	f	1217	CLA	C11-C12-C13-C15
18	A	5002	LHG	C23-C24-C25-C26
18	G	5002	LHG	C23-C24-C25-C26
18	e	5002	LHG	C23-C24-C25-C26
18	B	1842	LHG	C25-C26-C27-C28
18	H	1842	LHG	C25-C26-C27-C28
18	f	1842	LHG	C25-C26-C27-C28
20	J	5104	LMG	C30-C31-C32-C33
14	A	1108	CLA	C4-C3-C5-C6
14	B	1210	CLA	C4-C3-C5-C6
14	G	1108	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	H	1210	CLA	C4-C3-C5-C6
14	e	1108	CLA	C4-C3-C5-C6
14	f	1210	CLA	C4-C3-C5-C6
15	A	2001	PQN	C14-C13-C15-C16
15	G	2001	PQN	C14-C13-C15-C16
15	e	2001	PQN	C14-C13-C15-C16
20	T	5104	LMG	C30-C31-C32-C33
20	l	5104	LMG	C30-C31-C32-C33
18	G	5003	LHG	C9-C10-C11-C12
14	A	1105	CLA	O1A-CGA-O2A-C1
14	G	1105	CLA	O1A-CGA-O2A-C1
14	e	1105	CLA	O1A-CGA-O2A-C1
20	B	5002	LMG	O10-C28-O8-C9
20	H	5002	LMG	O10-C28-O8-C9
20	f	5002	LMG	O10-C28-O8-C9
18	A	5003	LHG	C9-C10-C11-C12
18	B	1855	LHG	C27-C28-C29-C30
18	H	1855	LHG	C27-C28-C29-C30
18	e	5003	LHG	C9-C10-C11-C12
18	f	1855	LHG	C27-C28-C29-C30
14	A	1103	CLA	C16-C17-C18-C20
14	L	1502	CLA	C16-C17-C18-C19
14	2	505	CLA	C16-C17-C18-C20
14	G	1103	CLA	C16-C17-C18-C20
14	V	1502	CLA	C16-C17-C18-C19
14	Z	505	CLA	C16-C17-C18-C20
14	e	1103	CLA	C16-C17-C18-C20
14	n	1502	CLA	C16-C17-C18-C19
14	r	505	CLA	C16-C17-C18-C20
18	A	5002	LHG	C4-C5-C6-O8
18	A	5004	LHG	C4-C5-C6-O8
18	A	5008	LHG	C4-C5-C6-O8
18	L	5218	LHG	C4-C5-C6-O8
18	L	5221	LHG	C4-C5-C6-O8
18	G	5002	LHG	C4-C5-C6-O8
18	G	5004	LHG	C4-C5-C6-O8
18	G	5008	LHG	C4-C5-C6-O8
18	S	5001	LHG	C31-C32-C33-C34
18	V	5218	LHG	C4-C5-C6-O8
18	V	5221	LHG	C4-C5-C6-O8
18	e	5002	LHG	C4-C5-C6-O8
18	e	5004	LHG	C4-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
18	e	5008	LHG	C4-C5-C6-O8
18	n	5218	LHG	C4-C5-C6-O8
18	n	5221	LHG	C4-C5-C6-O8
21	3	822	SQD	C44-C45-C46-O48
21	6	822	SQD	C44-C45-C46-O48
21	a	822	SQD	C44-C45-C46-O48
21	d	822	SQD	C44-C45-C46-O48
21	s	822	SQD	C44-C45-C46-O48
21	v	822	SQD	C44-C45-C46-O48
18	I	5001	LHG	C31-C32-C33-C34
18	G	5007	LHG	C25-C26-C27-C28
18	e	5005	LHG	C31-C32-C33-C34
18	k	5001	LHG	C31-C32-C33-C34
14	B	1215	CLA	O1A-CGA-O2A-C1
14	H	1215	CLA	O1A-CGA-O2A-C1
14	f	1215	CLA	O1A-CGA-O2A-C1
18	A	5005	LHG	C31-C32-C33-C34
18	A	5007	LHG	C25-C26-C27-C28
18	G	5005	LHG	C31-C32-C33-C34
18	e	5007	LHG	C25-C26-C27-C28
14	A	1137	CLA	C5-C6-C7-C8
14	G	1137	CLA	C5-C6-C7-C8
14	e	1137	CLA	C5-C6-C7-C8
14	A	1108	CLA	C5-C6-C7-C8
14	G	1108	CLA	C5-C6-C7-C8
14	e	1108	CLA	C5-C6-C7-C8
14	A	1135	CLA	C3-C5-C6-C7
14	G	1135	CLA	C3-C5-C6-C7
14	e	1135	CLA	C3-C5-C6-C7
14	A	1127	CLA	C16-C17-C18-C19
14	G	1127	CLA	C16-C17-C18-C19
14	e	1127	CLA	C16-C17-C18-C19
19	A	1849	LMU	O5'-C5'-C6'-O6'
19	G	1849	LMU	O5'-C5'-C6'-O6'
19	e	1849	LMU	O5'-C5'-C6'-O6'
18	L	5220	LHG	O1-C1-C2-O2
18	V	5220	LHG	O1-C1-C2-O2
18	n	5220	LHG	O1-C1-C2-O2
18	G	5001	LHG	C9-C10-C11-C12
18	A	5001	LHG	C9-C10-C11-C12
18	e	5001	LHG	C9-C10-C11-C12
21	H	1852	SQD	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
14	2	518	CLA	O1D-CGD-O2D-CED
14	Z	518	CLA	O1D-CGD-O2D-CED
14	B	1204	CLA	C13-C15-C16-C17
14	B	1215	CLA	C13-C15-C16-C17
14	6	505	CLA	C13-C15-C16-C17
14	H	1215	CLA	C13-C15-C16-C17
14	d	505	CLA	C13-C15-C16-C17
14	f	1215	CLA	C13-C15-C16-C17
14	v	505	CLA	C13-C15-C16-C17
14	A	1119	CLA	C4-C3-C5-C6
14	G	1119	CLA	C4-C3-C5-C6
14	e	1119	CLA	C4-C3-C5-C6
21	B	1852	SQD	C28-C29-C30-C31
21	f	1852	SQD	C28-C29-C30-C31
14	r	518	CLA	O1D-CGD-O2D-CED
14	A	1127	CLA	C16-C17-C18-C20
14	B	1215	CLA	C16-C17-C18-C20
14	G	1127	CLA	C16-C17-C18-C20
14	H	1215	CLA	C16-C17-C18-C20
14	e	1127	CLA	C16-C17-C18-C20
14	f	1215	CLA	C16-C17-C18-C20
14	A	1111	CLA	CBA-CGA-O2A-C1
14	G	1111	CLA	CBA-CGA-O2A-C1
14	e	1111	CLA	CBA-CGA-O2A-C1
19	B	1843	LMU	C11-C10-C9-C8
19	H	1843	LMU	C11-C10-C9-C8
19	f	1843	LMU	C11-C10-C9-C8
14	B	1226	CLA	CBD-CGD-O2D-CED
14	5	508	CLA	CBD-CGD-O2D-CED
14	H	1226	CLA	CBD-CGD-O2D-CED
14	c	508	CLA	CBD-CGD-O2D-CED
14	f	1226	CLA	CBD-CGD-O2D-CED
14	u	508	CLA	CBD-CGD-O2D-CED
14	A	1126	CLA	C13-C15-C16-C17
14	G	1121	CLA	C5-C6-C7-C8
14	G	1126	CLA	C13-C15-C16-C17
14	e	1121	CLA	C5-C6-C7-C8
14	e	1126	CLA	C13-C15-C16-C17
14	f	1204	CLA	C13-C15-C16-C17
18	A	5004	LHG	C9-C10-C11-C12
18	G	5004	LHG	C9-C10-C11-C12
21	B	1852	SQD	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
21	H	1852	SQD	C9-C10-C11-C12
21	f	1852	SQD	C9-C10-C11-C12
21	4	822	SQD	C46-C45-O47-C7
21	b	822	SQD	C46-C45-O47-C7
21	t	822	SQD	C46-C45-O47-C7
14	A	1129	CLA	C2A-CAA-CBA-CGA
14	3	504	CLA	C2A-CAA-CBA-CGA
14	G	1129	CLA	C2A-CAA-CBA-CGA
14	a	504	CLA	C2A-CAA-CBA-CGA
14	e	1129	CLA	C2A-CAA-CBA-CGA
14	s	504	CLA	C2A-CAA-CBA-CGA
14	A	1106	CLA	C13-C15-C16-C17
14	A	1121	CLA	C5-C6-C7-C8
14	A	1132	CLA	C5-C6-C7-C8
14	A	1138	CLA	C13-C15-C16-C17
14	G	1106	CLA	C13-C15-C16-C17
14	G	1132	CLA	C5-C6-C7-C8
14	G	1138	CLA	C13-C15-C16-C17
14	H	1204	CLA	C13-C15-C16-C17
14	e	1106	CLA	C13-C15-C16-C17
14	e	1132	CLA	C5-C6-C7-C8
14	e	1138	CLA	C13-C15-C16-C17
14	A	1105	CLA	C2-C1-O2A-CGA
14	A	1120	CLA	C2-C1-O2A-CGA
14	G	1105	CLA	C2-C1-O2A-CGA
14	G	1120	CLA	C2-C1-O2A-CGA
14	e	1105	CLA	C2-C1-O2A-CGA
14	e	1120	CLA	C2-C1-O2A-CGA
18	V	5218	LHG	C28-C29-C30-C31
18	e	5004	LHG	C9-C10-C11-C12
14	r	511	CLA	O1D-CGD-O2D-CED
18	B	1842	LHG	C30-C31-C32-C33
18	L	5218	LHG	C28-C29-C30-C31
18	H	1842	LHG	C30-C31-C32-C33
18	f	1842	LHG	C30-C31-C32-C33
18	n	5218	LHG	C28-C29-C30-C31
14	A	1109	CLA	O1D-CGD-O2D-CED
14	1	505	CLA	O1D-CGD-O2D-CED
14	2	511	CLA	O1D-CGD-O2D-CED
14	G	1109	CLA	O1D-CGD-O2D-CED
14	Y	505	CLA	O1D-CGD-O2D-CED
14	Z	511	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	e	1109	CLA	O1D-CGD-O2D-CED
14	q	505	CLA	O1D-CGD-O2D-CED
18	A	5006	LHG	C32-C33-C34-C35
20	B	5002	LMG	C41-C42-C43-C44
20	H	5002	LMG	C41-C42-C43-C44
20	f	5002	LMG	C41-C42-C43-C44
14	A	1103	CLA	CBA-CGA-O2A-C1
14	G	1103	CLA	CBA-CGA-O2A-C1
14	e	1103	CLA	CBA-CGA-O2A-C1
14	6	510	CLA	O1D-CGD-O2D-CED
14	d	510	CLA	O1D-CGD-O2D-CED
14	v	510	CLA	O1D-CGD-O2D-CED
14	2	505	CLA	C16-C17-C18-C19
14	Z	505	CLA	C16-C17-C18-C19
14	r	505	CLA	C16-C17-C18-C19
18	G	5006	LHG	C32-C33-C34-C35
18	e	5006	LHG	C32-C33-C34-C35
14	B	1240	CLA	C8-C10-C11-C12
18	H	1842	LHG	C32-C33-C34-C35
18	f	1842	LHG	C32-C33-C34-C35
14	A	1103	CLA	C13-C15-C16-C17
14	A	1140	CLA	C15-C16-C17-C18
14	G	1103	CLA	C13-C15-C16-C17
14	G	1140	CLA	C15-C16-C17-C18
14	H	1240	CLA	C8-C10-C11-C12
14	e	1140	CLA	C15-C16-C17-C18
14	f	1240	CLA	C8-C10-C11-C12
18	B	1842	LHG	C32-C33-C34-C35
18	A	5001	LHG	O7-C5-C6-O8
18	G	5001	LHG	O7-C5-C6-O8
18	e	5001	LHG	O7-C5-C6-O8
21	2	822	SQD	O47-C45-C46-O48
21	Z	822	SQD	O47-C45-C46-O48
21	r	822	SQD	O47-C45-C46-O48
18	e	5008	LHG	C26-C27-C28-C29
14	e	1103	CLA	C13-C15-C16-C17
14	G	1111	CLA	O1A-CGA-O2A-C1
18	A	5008	LHG	C26-C27-C28-C29
18	G	5008	LHG	C26-C27-C28-C29
20	B	5002	LMG	C35-C36-C37-C38
20	H	5002	LMG	C35-C36-C37-C38
20	f	5002	LMG	C35-C36-C37-C38

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Mol	Chain	Res	Type	Atoms
21	f	1852	SQD	C24-C25-C26-C27
21	B	1852	SQD	C24-C25-C26-C27
21	H	1852	SQD	C24-C25-C26-C27
14	A	1106	CLA	C11-C12-C13-C15
14	A	1116	CLA	C6-C7-C8-C10
14	A	1119	CLA	C2-C3-C5-C6
14	A	1123	CLA	C11-C10-C8-C7
14	A	1127	CLA	C11-C12-C13-C15
14	A	1127	CLA	C12-C13-C15-C16
14	A	1138	CLA	C11-C10-C8-C7
14	A	1139	CLA	C12-C13-C15-C16
14	A	1237	CLA	C11-C10-C8-C7
14	A	1237	CLA	C12-C13-C15-C16
14	A	1101	CLA	C11-C12-C13-C15
14	B	1012	CLA	C11-C10-C8-C7
14	B	1225	CLA	C12-C13-C15-C16
14	B	1231	CLA	C6-C7-C8-C10
14	L	1502	CLA	C11-C10-C8-C7
14	2	503	CLA	C12-C13-C15-C16
14	5	509	CLA	C11-C10-C8-C7
14	5	509	CLA	C12-C13-C15-C16
14	G	1106	CLA	C11-C12-C13-C15
14	G	1116	CLA	C6-C7-C8-C10
14	G	1119	CLA	C2-C3-C5-C6
14	G	1123	CLA	C11-C10-C8-C7
14	G	1127	CLA	C11-C12-C13-C15
14	G	1127	CLA	C12-C13-C15-C16
14	G	1138	CLA	C11-C10-C8-C7
14	G	1139	CLA	C12-C13-C15-C16
14	G	1237	CLA	C11-C10-C8-C7
14	G	1237	CLA	C12-C13-C15-C16
14	G	1101	CLA	C11-C12-C13-C15
14	H	1012	CLA	C11-C10-C8-C7
14	H	1225	CLA	C12-C13-C15-C16
14	H	1231	CLA	C6-C7-C8-C10
14	V	1502	CLA	C11-C10-C8-C7
14	Z	503	CLA	C12-C13-C15-C16
14	c	509	CLA	C11-C10-C8-C7
14	c	509	CLA	C12-C13-C15-C16
14	e	1106	CLA	C11-C12-C13-C15
14	e	1116	CLA	C6-C7-C8-C10
14	e	1119	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	e	1123	CLA	C11-C10-C8-C7
14	e	1127	CLA	C11-C12-C13-C15
14	e	1127	CLA	C12-C13-C15-C16
14	e	1138	CLA	C11-C10-C8-C7
14	e	1139	CLA	C12-C13-C15-C16
14	e	1237	CLA	C11-C10-C8-C7
14	e	1237	CLA	C12-C13-C15-C16
14	e	1101	CLA	C11-C12-C13-C15
14	f	1012	CLA	C11-C10-C8-C7
14	f	1225	CLA	C12-C13-C15-C16
14	f	1231	CLA	C6-C7-C8-C10
14	n	1502	CLA	C11-C10-C8-C7
14	r	503	CLA	C12-C13-C15-C16
14	u	509	CLA	C11-C10-C8-C7
14	u	509	CLA	C12-C13-C15-C16
15	A	2001	PQN	C17-C18-C20-C21
15	A	2001	PQN	C22-C23-C25-C26
15	G	2001	PQN	C17-C18-C20-C21
15	G	2001	PQN	C22-C23-C25-C26
15	e	2001	PQN	C17-C18-C20-C21
15	e	2001	PQN	C22-C23-C25-C26
14	e	1111	CLA	O1A-CGA-O2A-C1
14	A	1106	CLA	C11-C12-C13-C14
14	A	1107	CLA	C11-C12-C13-C14
14	A	1111	CLA	C11-C12-C13-C14
14	A	1119	CLA	C6-C7-C8-C9
14	A	1124	CLA	C11-C10-C8-C9
14	A	1127	CLA	C11-C12-C13-C14
14	A	1128	CLA	C6-C7-C8-C9
14	A	1132	CLA	C14-C13-C15-C16
14	A	1136	CLA	C11-C12-C13-C14
14	A	1138	CLA	C14-C13-C15-C16
14	A	1237	CLA	C11-C10-C8-C9
14	B	1012	CLA	C14-C13-C15-C16
14	B	1206	CLA	C6-C7-C8-C9
14	B	1210	CLA	C6-C7-C8-C9
14	B	1214	CLA	C11-C10-C8-C9
14	B	1214	CLA	C14-C13-C15-C16
14	B	1219	CLA	C11-C12-C13-C14
14	B	1231	CLA	C6-C7-C8-C9
14	B	1234	CLA	C11-C10-C8-C9
14	B	1239	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	5	509	CLA	C14-C13-C15-C16
14	G	1106	CLA	C11-C12-C13-C14
14	G	1107	CLA	C11-C12-C13-C14
14	G	1111	CLA	C11-C12-C13-C14
14	G	1124	CLA	C11-C10-C8-C9
14	G	1127	CLA	C11-C12-C13-C14
14	G	1128	CLA	C6-C7-C8-C9
14	G	1132	CLA	C14-C13-C15-C16
14	G	1136	CLA	C11-C12-C13-C14
14	G	1138	CLA	C14-C13-C15-C16
14	G	1237	CLA	C11-C10-C8-C9
14	H	1012	CLA	C14-C13-C15-C16
14	H	1206	CLA	C6-C7-C8-C9
14	H	1210	CLA	C6-C7-C8-C9
14	H	1214	CLA	C11-C10-C8-C9
14	H	1214	CLA	C14-C13-C15-C16
14	H	1219	CLA	C11-C12-C13-C14
14	H	1231	CLA	C6-C7-C8-C9
14	H	1234	CLA	C11-C10-C8-C9
14	H	1239	CLA	C6-C7-C8-C9
14	c	509	CLA	C14-C13-C15-C16
14	e	1106	CLA	C11-C12-C13-C14
14	e	1107	CLA	C11-C12-C13-C14
14	e	1111	CLA	C11-C12-C13-C14
14	e	1119	CLA	C6-C7-C8-C9
14	e	1124	CLA	C11-C10-C8-C9
14	e	1127	CLA	C11-C12-C13-C14
14	e	1128	CLA	C6-C7-C8-C9
14	e	1132	CLA	C14-C13-C15-C16
14	e	1136	CLA	C11-C12-C13-C14
14	e	1138	CLA	C14-C13-C15-C16
14	e	1237	CLA	C11-C10-C8-C9
14	f	1012	CLA	C14-C13-C15-C16
14	f	1206	CLA	C6-C7-C8-C9
14	f	1210	CLA	C6-C7-C8-C9
14	f	1214	CLA	C11-C10-C8-C9
14	f	1214	CLA	C14-C13-C15-C16
14	f	1216	CLA	C6-C7-C8-C9
14	f	1219	CLA	C11-C12-C13-C14
14	f	1231	CLA	C6-C7-C8-C9
14	f	1234	CLA	C11-C10-C8-C9
14	f	1239	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	u	509	CLA	C14-C13-C15-C16
15	A	2001	PQN	C19-C18-C20-C21
15	A	2001	PQN	C24-C23-C25-C26
15	G	2001	PQN	C19-C18-C20-C21
15	G	2001	PQN	C24-C23-C25-C26
15	e	2001	PQN	C19-C18-C20-C21
15	e	2001	PQN	C24-C23-C25-C26
17	l	522	BCR	C9-C10-C11-C12
17	Y	522	BCR	C9-C10-C11-C12
17	q	522	BCR	C9-C10-C11-C12
18	G	5006	LHG	C7-C8-C9-C10
18	G	5003	LHG	C15-C16-C17-C18
18	e	5003	LHG	C15-C16-C17-C18
14	e	1111	CLA	C2A-CAA-CBA-CGA
18	A	5003	LHG	C15-C16-C17-C18
14	A	1111	CLA	O1A-CGA-O2A-C1
17	2	523	BCR	C7-C8-C9-C34
17	Z	523	BCR	C7-C8-C9-C34
17	r	523	BCR	C7-C8-C9-C34
14	A	1126	CLA	C16-C17-C18-C19
14	A	1133	CLA	C16-C17-C18-C20
14	G	1126	CLA	C16-C17-C18-C19
14	G	1133	CLA	C16-C17-C18-C20
14	e	1126	CLA	C16-C17-C18-C19
14	e	1133	CLA	C16-C17-C18-C20
18	n	5221	LHG	C15-C16-C17-C18
17	A	4001	BCR	C21-C22-C23-C24
17	G	4001	BCR	C21-C22-C23-C24
17	e	4001	BCR	C21-C22-C23-C24
18	B	1855	LHG	C13-C14-C15-C16
18	L	5221	LHG	C15-C16-C17-C18
18	H	1855	LHG	C13-C14-C15-C16
18	V	5221	LHG	C15-C16-C17-C18
18	f	1855	LHG	C13-C14-C15-C16
20	B	5002	LMG	C30-C31-C32-C33
20	f	5002	LMG	C30-C31-C32-C33
14	A	1117	CLA	C15-C16-C17-C18
14	A	1136	CLA	C15-C16-C17-C18
14	B	1231	CLA	C5-C6-C7-C8
14	G	1117	CLA	C15-C16-C17-C18
14	G	1136	CLA	C15-C16-C17-C18
14	H	1231	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	e	1117	CLA	C15-C16-C17-C18
14	e	1136	CLA	C15-C16-C17-C18
20	H	5002	LMG	C30-C31-C32-C33
14	2	518	CLA	CBA-CGA-O2A-C1
14	Z	518	CLA	CBA-CGA-O2A-C1
14	r	518	CLA	CBA-CGA-O2A-C1
14	H	1023	CLA	C4C-C3C-CAC-CBC
14	f	1023	CLA	C4C-C3C-CAC-CBC
18	A	5006	LHG	C7-C8-C9-C10
18	e	5006	LHG	C7-C8-C9-C10
14	B	1230	CLA	C5-C6-C7-C8
14	H	1230	CLA	C5-C6-C7-C8
14	f	1231	CLA	C5-C6-C7-C8
14	f	1230	CLA	C5-C6-C7-C8
14	B	1023	CLA	C4C-C3C-CAC-CBC
18	B	1842	LHG	C28-C29-C30-C31
18	H	1842	LHG	C28-C29-C30-C31
18	f	1842	LHG	C28-C29-C30-C31
18	A	5005	LHG	O6-C4-C5-C6
18	G	5005	LHG	O6-C4-C5-C6
18	e	5005	LHG	O6-C4-C5-C6
18	L	5220	LHG	C28-C29-C30-C31
19	l	5105	LMU	C3-C4-C5-C6
18	G	5004	LHG	C11-C10-C9-C8
18	V	5220	LHG	C28-C29-C30-C31
18	n	5220	LHG	C28-C29-C30-C31
19	J	5105	LMU	C3-C4-C5-C6
19	T	5105	LMU	C3-C4-C5-C6
14	A	1125	CLA	CBA-CGA-O2A-C1
14	G	1125	CLA	CBA-CGA-O2A-C1
14	e	1125	CLA	CBA-CGA-O2A-C1
18	A	5004	LHG	C11-C10-C9-C8
18	e	5004	LHG	C11-C10-C9-C8
18	A	5009	LHG	O2-C2-C3-O3
18	G	5009	LHG	O2-C2-C3-O3
18	e	5009	LHG	O2-C2-C3-O3
14	A	1134	CLA	C11-C10-C8-C9
14	B	1213	CLA	C14-C13-C15-C16
14	G	1134	CLA	C11-C10-C8-C9
14	H	1213	CLA	C14-C13-C15-C16
14	e	1134	CLA	C11-C10-C8-C9
14	f	1213	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
20	H	5002	LMG	C23-C24-C25-C26
21	L	5216	SQD	C14-C15-C16-C17
21	n	5216	SQD	C14-C15-C16-C17
18	A	5003	LHG	C25-C26-C27-C28
18	G	5003	LHG	C25-C26-C27-C28
18	e	5003	LHG	C25-C26-C27-C28
21	V	5216	SQD	C14-C15-C16-C17
14	q	519	CLA	O1D-CGD-O2D-CED
18	A	5006	LHG	C8-C7-O7-C5
18	G	5006	LHG	C8-C7-O7-C5
18	e	5006	LHG	C8-C7-O7-C5
18	G	5001	LHG	C31-C32-C33-C34
18	V	5221	LHG	C13-C14-C15-C16
18	e	5001	LHG	C31-C32-C33-C34
20	B	5002	LMG	C23-C24-C25-C26
20	f	5002	LMG	C23-C24-C25-C26
21	L	5216	SQD	C25-C26-C27-C28
21	V	5216	SQD	C25-C26-C27-C28
18	L	5221	LHG	C5-C4-O6-P
18	V	5221	LHG	C5-C4-O6-P
18	n	5221	LHG	C5-C4-O6-P
14	l	519	CLA	O1D-CGD-O2D-CED
14	Y	519	CLA	O1D-CGD-O2D-CED
14	B	1227	CLA	C3A-C2A-CAA-CBA
14	B	1240	CLA	C3A-C2A-CAA-CBA
14	K	1401	CLA	C3A-C2A-CAA-CBA
14	6	517	CLA	C3A-C2A-CAA-CBA
14	H	1227	CLA	C3A-C2A-CAA-CBA
14	H	1240	CLA	C3A-C2A-CAA-CBA
14	U	1401	CLA	C3A-C2A-CAA-CBA
14	d	517	CLA	C3A-C2A-CAA-CBA
14	f	1227	CLA	C3A-C2A-CAA-CBA
14	f	1240	CLA	C3A-C2A-CAA-CBA
14	m	1401	CLA	C3A-C2A-CAA-CBA
14	v	517	CLA	C3A-C2A-CAA-CBA
18	A	5005	LHG	C29-C30-C31-C32
18	A	5001	LHG	C31-C32-C33-C34
18	L	5221	LHG	C13-C14-C15-C16
18	G	5005	LHG	C29-C30-C31-C32
18	e	5005	LHG	C29-C30-C31-C32
18	n	5221	LHG	C13-C14-C15-C16
21	n	5216	SQD	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
14	A	1108	CLA	C6-C7-C8-C9
14	G	1108	CLA	C6-C7-C8-C9
14	e	1108	CLA	C6-C7-C8-C9
18	G	5007	LHG	C34-C35-C36-C37
18	e	5007	LHG	C34-C35-C36-C37
18	A	5007	LHG	C34-C35-C36-C37
18	A	5006	LHG	C12-C13-C14-C15
18	G	5006	LHG	C12-C13-C14-C15
18	e	5006	LHG	C12-C13-C14-C15
14	A	1139	CLA	C10-C11-C12-C13
14	B	1206	CLA	C13-C15-C16-C17
14	G	1139	CLA	C10-C11-C12-C13
14	H	1206	CLA	C13-C15-C16-C17
14	e	1139	CLA	C10-C11-C12-C13
14	f	1206	CLA	C13-C15-C16-C17
18	A	5005	LHG	C4-C5-C6-O8
18	A	5006	LHG	C4-C5-C6-O8
18	A	5007	LHG	C4-C5-C6-O8
18	L	5220	LHG	C4-C5-C6-O8
18	G	5005	LHG	C4-C5-C6-O8
18	G	5006	LHG	C4-C5-C6-O8
18	G	5007	LHG	C4-C5-C6-O8
18	V	5220	LHG	C4-C5-C6-O8
18	e	5005	LHG	C4-C5-C6-O8
18	e	5006	LHG	C4-C5-C6-O8
18	e	5007	LHG	C4-C5-C6-O8
18	n	5220	LHG	C4-C5-C6-O8
21	L	5216	SQD	C44-C45-C46-O48
21	l	822	SQD	C44-C45-C46-O48
21	V	5216	SQD	C44-C45-C46-O48
21	Y	822	SQD	C44-C45-C46-O48
21	n	5216	SQD	C44-C45-C46-O48
21	q	822	SQD	C44-C45-C46-O48
18	G	5009	LHG	C32-C33-C34-C35
20	f	5002	LMG	C34-C35-C36-C37
14	H	1209	CLA	C5-C6-C7-C8
14	f	1209	CLA	C5-C6-C7-C8
18	A	5009	LHG	C32-C33-C34-C35
18	G	5004	LHG	C25-C26-C27-C28
18	e	5004	LHG	C25-C26-C27-C28
18	e	5009	LHG	C32-C33-C34-C35
20	B	5002	LMG	C34-C35-C36-C37

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Mol	Chain	Res	Type	Atoms
20	H	5002	LMG	C34-C35-C36-C37
14	B	1209	CLA	C5-C6-C7-C8
18	A	5004	LHG	C25-C26-C27-C28
18	G	5007	LHG	C15-C16-C17-C18
18	e	5007	LHG	C15-C16-C17-C18
18	A	5007	LHG	C15-C16-C17-C18
14	A	1110	CLA	O1D-CGD-O2D-CED
18	L	5220	LHG	C11-C10-C9-C8
18	V	5220	LHG	C11-C10-C9-C8
18	n	5220	LHG	C11-C10-C9-C8
14	G	1110	CLA	O1D-CGD-O2D-CED
14	e	1110	CLA	O1D-CGD-O2D-CED
18	A	5006	LHG	C3-O3-P-O6
18	G	5006	LHG	C3-O3-P-O6
18	e	5006	LHG	C3-O3-P-O6
14	B	1201	CLA	O1A-CGA-O2A-C1
14	H	1201	CLA	O1A-CGA-O2A-C1
14	f	1201	CLA	O1A-CGA-O2A-C1
18	L	5221	LHG	C17-C18-C19-C20
14	A	1104	CLA	C3-C5-C6-C7
14	B	1012	CLA	C3-C5-C6-C7
14	B	1227	CLA	C3-C5-C6-C7
14	G	1104	CLA	C3-C5-C6-C7
14	H	1012	CLA	C3-C5-C6-C7
14	H	1227	CLA	C3-C5-C6-C7
14	e	1104	CLA	C3-C5-C6-C7
14	f	1227	CLA	C3-C5-C6-C7
14	A	1111	CLA	C2A-CAA-CBA-CGA
14	G	1111	CLA	C2A-CAA-CBA-CGA
18	A	5007	LHG	O1-C1-C2-O2
18	A	5008	LHG	O1-C1-C2-O2
18	G	5007	LHG	O1-C1-C2-O2
18	G	5008	LHG	O1-C1-C2-O2
18	e	5007	LHG	O1-C1-C2-O2
18	e	5008	LHG	O1-C1-C2-O2
18	V	5221	LHG	C17-C18-C19-C20
18	n	5221	LHG	C17-C18-C19-C20
21	L	5216	SQD	C9-C10-C11-C12
21	V	5216	SQD	C9-C10-C11-C12
14	H	1221	CLA	C13-C15-C16-C17
18	B	1855	LHG	O6-C4-C5-O7
18	H	1855	LHG	O6-C4-C5-O7

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Mol	Chain	Res	Type	Atoms
18	f	1855	LHG	O6-C4-C5-O7
14	B	1021	CLA	CBA-CGA-O2A-C1
14	H	1021	CLA	CBA-CGA-O2A-C1
14	f	1021	CLA	CBA-CGA-O2A-C1
21	n	5216	SQD	C9-C10-C11-C12
18	I	5001	LHG	C7-C8-C9-C10
18	S	5001	LHG	C7-C8-C9-C10
18	k	5001	LHG	C7-C8-C9-C10
14	B	1226	CLA	C6-C7-C8-C9
14	H	1226	CLA	C6-C7-C8-C9
14	f	1226	CLA	C6-C7-C8-C9
18	f	1855	LHG	C24-C25-C26-C27
18	A	5002	LHG	C29-C30-C31-C32
18	B	1855	LHG	C24-C25-C26-C27
18	G	5002	LHG	C29-C30-C31-C32
14	A	1125	CLA	O1A-CGA-O2A-C1
14	G	1125	CLA	O1A-CGA-O2A-C1
14	e	1125	CLA	O1A-CGA-O2A-C1
18	H	1855	LHG	C24-C25-C26-C27
18	e	5002	LHG	C29-C30-C31-C32
14	f	1012	CLA	C3-C5-C6-C7
18	A	5006	LHG	O7-C5-C6-O8
18	B	1842	LHG	O7-C5-C6-O8
18	G	5006	LHG	O7-C5-C6-O8
18	H	1842	LHG	O7-C5-C6-O8
18	e	5006	LHG	O7-C5-C6-O8
18	f	1842	LHG	O7-C5-C6-O8
21	l	822	SQD	O6-C44-C45-O47
21	Y	822	SQD	O6-C44-C45-O47
21	f	1852	SQD	O6-C44-C45-O47
21	q	822	SQD	O6-C44-C45-O47
14	G	1122	CLA	C10-C11-C12-C13
14	G	1132	CLA	C13-C15-C16-C17
14	B	1226	CLA	O1D-CGD-O2D-CED
14	f	1226	CLA	O1D-CGD-O2D-CED
14	B	1221	CLA	C13-C15-C16-C17
14	f	1221	CLA	C13-C15-C16-C17
14	L	1502	CLA	C16-C17-C18-C20
14	V	1502	CLA	C16-C17-C18-C20
14	n	1502	CLA	C16-C17-C18-C20
15	A	2001	PQN	C26-C27-C28-C30
15	G	2001	PQN	C26-C27-C28-C30

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Mol	Chain	Res	Type	Atoms
15	e	2001	PQN	C26-C27-C28-C30
14	A	1122	CLA	C10-C11-C12-C13
14	A	1128	CLA	C5-C6-C7-C8
14	A	1132	CLA	C13-C15-C16-C17
14	A	1237	CLA	C10-C11-C12-C13
14	G	1128	CLA	C5-C6-C7-C8
14	G	1237	CLA	C10-C11-C12-C13
14	e	1122	CLA	C10-C11-C12-C13
14	e	1128	CLA	C5-C6-C7-C8
14	e	1132	CLA	C13-C15-C16-C17
18	A	5004	LHG	C1-C2-C3-O3
18	G	5004	LHG	C1-C2-C3-O3
18	e	5004	LHG	C1-C2-C3-O3
14	B	1223	CLA	C2-C1-O2A-CGA
14	L	1501	CLA	C2-C1-O2A-CGA
14	H	1223	CLA	C2-C1-O2A-CGA
14	V	1501	CLA	C2-C1-O2A-CGA
14	f	1223	CLA	C2-C1-O2A-CGA
14	n	1501	CLA	C2-C1-O2A-CGA
18	B	1855	LHG	C14-C15-C16-C17
18	H	1855	LHG	C14-C15-C16-C17
18	V	5220	LHG	C30-C31-C32-C33
14	e	1237	CLA	C10-C11-C12-C13
14	A	1117	CLA	C11-C12-C13-C14
14	A	1140	CLA	C6-C7-C8-C9
14	A	1237	CLA	C6-C7-C8-C9
14	A	1130	CLA	C6-C7-C8-C9
14	A	1101	CLA	C11-C12-C13-C14
14	B	1203	CLA	C11-C12-C13-C14
14	B	1205	CLA	C14-C13-C15-C16
14	B	1215	CLA	C11-C10-C8-C9
14	B	1217	CLA	C11-C10-C8-C9
14	B	1219	CLA	C14-C13-C15-C16
14	L	1501	CLA	C11-C10-C8-C9
14	G	1117	CLA	C11-C12-C13-C14
14	G	1140	CLA	C6-C7-C8-C9
14	G	1237	CLA	C6-C7-C8-C9
14	G	1130	CLA	C6-C7-C8-C9
14	G	1101	CLA	C11-C12-C13-C14
14	H	1203	CLA	C11-C12-C13-C14
14	H	1205	CLA	C14-C13-C15-C16
14	H	1215	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	H	1217	CLA	C11-C10-C8-C9
14	H	1219	CLA	C14-C13-C15-C16
14	V	1501	CLA	C11-C10-C8-C9
14	e	1117	CLA	C11-C12-C13-C14
14	e	1140	CLA	C6-C7-C8-C9
14	e	1237	CLA	C6-C7-C8-C9
14	e	1130	CLA	C6-C7-C8-C9
14	e	1101	CLA	C11-C12-C13-C14
14	f	1203	CLA	C11-C12-C13-C14
14	f	1205	CLA	C14-C13-C15-C16
14	f	1215	CLA	C11-C10-C8-C9
14	f	1217	CLA	C11-C10-C8-C9
14	n	1501	CLA	C11-C10-C8-C9
18	L	5220	LHG	C30-C31-C32-C33
18	f	1855	LHG	C14-C15-C16-C17
18	n	5220	LHG	C30-C31-C32-C33
18	A	5004	LHG	C2-C3-O3-P
18	A	5005	LHG	C2-C3-O3-P
18	L	5218	LHG	C2-C3-O3-P
18	L	5221	LHG	C2-C3-O3-P
18	G	5004	LHG	C2-C3-O3-P
18	G	5005	LHG	C2-C3-O3-P
18	V	5218	LHG	C2-C3-O3-P
18	V	5221	LHG	C2-C3-O3-P
18	e	5004	LHG	C2-C3-O3-P
18	e	5005	LHG	C2-C3-O3-P
18	n	5218	LHG	C2-C3-O3-P
18	n	5221	LHG	C2-C3-O3-P
20	J	5104	LMG	C32-C33-C34-C35
20	T	5104	LMG	C32-C33-C34-C35
20	l	5104	LMG	C32-C33-C34-C35
14	A	1106	CLA	C2A-CAA-CBA-CGA
14	A	1115	CLA	C2A-CAA-CBA-CGA
14	G	1106	CLA	C2A-CAA-CBA-CGA
14	G	1115	CLA	C2A-CAA-CBA-CGA
14	e	1106	CLA	C2A-CAA-CBA-CGA
14	e	1115	CLA	C2A-CAA-CBA-CGA
14	H	1226	CLA	O1D-CGD-O2D-CED
14	A	1103	CLA	C16-C17-C18-C19
14	B	1210	CLA	C16-C17-C18-C20
14	B	1211	CLA	C6-C7-C8-C10
14	B	1215	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	G	1103	CLA	C16-C17-C18-C19
14	H	1210	CLA	C16-C17-C18-C20
14	H	1211	CLA	C6-C7-C8-C10
14	H	1215	CLA	C16-C17-C18-C19
14	e	1103	CLA	C16-C17-C18-C19
14	f	1210	CLA	C16-C17-C18-C20
14	f	1211	CLA	C6-C7-C8-C10
14	f	1215	CLA	C16-C17-C18-C19
14	A	1237	CLA	C3-C5-C6-C7
14	G	1237	CLA	C3-C5-C6-C7
14	e	1237	CLA	C3-C5-C6-C7
17	3	521	BCR	C23-C24-C25-C26
17	3	521	BCR	C23-C24-C25-C30
17	3	522	BCR	C5-C6-C7-C8
17	5	521	BCR	C5-C6-C7-C8
17	6	524	BCR	C5-C6-C7-C8
17	a	521	BCR	C23-C24-C25-C26
17	a	521	BCR	C23-C24-C25-C30
17	a	522	BCR	C5-C6-C7-C8
17	c	521	BCR	C5-C6-C7-C8
17	d	524	BCR	C5-C6-C7-C8
17	s	521	BCR	C23-C24-C25-C26
17	s	521	BCR	C23-C24-C25-C30
17	s	522	BCR	C5-C6-C7-C8
17	u	521	BCR	C5-C6-C7-C8
17	v	524	BCR	C5-C6-C7-C8
18	A	5005	LHG	C33-C34-C35-C36
18	e	5005	LHG	C33-C34-C35-C36
14	j	1302	CLA	O1D-CGD-O2D-CED
17	B	4010	BCR	C37-C22-C23-C24
17	J	4015	BCR	C7-C8-C9-C34
17	T	4015	BCR	C7-C8-C9-C34
17	f	4010	BCR	C37-C22-C23-C24
17	l	4015	BCR	C7-C8-C9-C34
18	A	5004	LHG	C30-C31-C32-C33
18	L	5221	LHG	C18-C19-C20-C21
18	G	5004	LHG	C30-C31-C32-C33
18	G	5005	LHG	C33-C34-C35-C36
18	V	5221	LHG	C18-C19-C20-C21
18	e	5004	LHG	C30-C31-C32-C33
14	F	1302	CLA	O1D-CGD-O2D-CED
14	R	1302	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
17	A	4001	BCR	C7-C8-C9-C10
17	A	4011	BCR	C17-C18-C19-C20
17	M	4021	BCR	C11-C12-C13-C14
17	3	524	BCR	C7-C8-C9-C10
17	4	524	BCR	C7-C8-C9-C10
17	6	522	BCR	C7-C8-C9-C10
17	G	4001	BCR	C7-C8-C9-C10
17	G	4011	BCR	C17-C18-C19-C20
17	W	4021	BCR	C11-C12-C13-C14
17	a	524	BCR	C7-C8-C9-C10
17	a	524	BCR	C21-C22-C23-C24
17	b	524	BCR	C7-C8-C9-C10
17	d	522	BCR	C7-C8-C9-C10
17	e	4001	BCR	C7-C8-C9-C10
17	e	4011	BCR	C17-C18-C19-C20
17	o	4021	BCR	C11-C12-C13-C14
17	s	524	BCR	C7-C8-C9-C10
17	s	524	BCR	C21-C22-C23-C24
17	t	524	BCR	C7-C8-C9-C10
17	v	522	BCR	C7-C8-C9-C10
18	n	5221	LHG	C18-C19-C20-C21
18	A	5002	LHG	C13-C14-C15-C16
18	G	5002	LHG	C13-C14-C15-C16
18	e	5002	LHG	C13-C14-C15-C16
14	A	1111	CLA	C16-C17-C18-C19
14	G	1111	CLA	C16-C17-C18-C19
14	e	1111	CLA	C16-C17-C18-C19
18	f	1842	LHG	C26-C27-C28-C29
18	B	1842	LHG	C26-C27-C28-C29
18	H	1842	LHG	C26-C27-C28-C29
14	A	1013	CLA	C11-C12-C13-C15
14	A	1104	CLA	C12-C13-C15-C16
14	A	1107	CLA	C11-C12-C13-C15
14	A	1109	CLA	C12-C13-C15-C16
14	A	1111	CLA	C11-C12-C13-C15
14	A	1124	CLA	C11-C10-C8-C7
14	A	1128	CLA	C6-C7-C8-C10
14	A	1131	CLA	C12-C13-C15-C16
14	A	1132	CLA	C12-C13-C15-C16
14	A	1136	CLA	C11-C12-C13-C15
14	A	1138	CLA	C12-C13-C15-C16
14	A	1139	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	B	1012	CLA	C12-C13-C15-C16
14	B	1203	CLA	C6-C7-C8-C10
14	B	1206	CLA	C6-C7-C8-C10
14	B	1215	CLA	C11-C10-C8-C7
14	B	1217	CLA	C11-C10-C8-C7
14	B	1219	CLA	C11-C10-C8-C7
14	B	1219	CLA	C11-C12-C13-C15
14	B	1219	CLA	C12-C13-C15-C16
14	B	1234	CLA	C11-C10-C8-C7
14	B	1239	CLA	C12-C13-C15-C16
14	B	1240	CLA	C11-C12-C13-C15
14	5	509	CLA	C11-C12-C13-C15
14	6	505	CLA	C6-C7-C8-C10
14	G	1013	CLA	C11-C12-C13-C15
14	G	1104	CLA	C12-C13-C15-C16
14	G	1107	CLA	C11-C12-C13-C15
14	G	1109	CLA	C12-C13-C15-C16
14	G	1111	CLA	C11-C12-C13-C15
14	G	1124	CLA	C11-C10-C8-C7
14	G	1128	CLA	C6-C7-C8-C10
14	G	1131	CLA	C12-C13-C15-C16
14	G	1132	CLA	C12-C13-C15-C16
14	G	1136	CLA	C11-C12-C13-C15
14	G	1138	CLA	C12-C13-C15-C16
14	G	1139	CLA	C6-C7-C8-C10
14	H	1012	CLA	C12-C13-C15-C16
14	H	1203	CLA	C6-C7-C8-C10
14	H	1206	CLA	C6-C7-C8-C10
14	H	1215	CLA	C11-C10-C8-C7
14	H	1217	CLA	C11-C10-C8-C7
14	H	1219	CLA	C11-C10-C8-C7
14	H	1219	CLA	C11-C12-C13-C15
14	H	1219	CLA	C12-C13-C15-C16
14	H	1234	CLA	C11-C10-C8-C7
14	H	1239	CLA	C12-C13-C15-C16
14	H	1240	CLA	C11-C12-C13-C15
14	c	509	CLA	C11-C12-C13-C15
14	d	505	CLA	C6-C7-C8-C10
14	e	1013	CLA	C11-C12-C13-C15
14	e	1104	CLA	C12-C13-C15-C16
14	e	1107	CLA	C11-C12-C13-C15
14	e	1109	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	e	1111	CLA	C11-C12-C13-C15
14	e	1124	CLA	C11-C10-C8-C7
14	e	1128	CLA	C6-C7-C8-C10
14	e	1131	CLA	C12-C13-C15-C16
14	e	1132	CLA	C12-C13-C15-C16
14	e	1136	CLA	C11-C12-C13-C15
14	e	1138	CLA	C12-C13-C15-C16
14	e	1139	CLA	C6-C7-C8-C10
14	f	1012	CLA	C12-C13-C15-C16
14	f	1203	CLA	C6-C7-C8-C10
14	f	1206	CLA	C6-C7-C8-C10
14	f	1215	CLA	C11-C10-C8-C7
14	f	1217	CLA	C11-C10-C8-C7
14	f	1219	CLA	C11-C10-C8-C7
14	f	1219	CLA	C11-C12-C13-C15
14	f	1219	CLA	C12-C13-C15-C16
14	f	1234	CLA	C11-C10-C8-C7
14	f	1239	CLA	C12-C13-C15-C16
14	f	1240	CLA	C11-C12-C13-C15
14	u	509	CLA	C11-C12-C13-C15
14	v	505	CLA	C6-C7-C8-C10
14	G	1103	CLA	C3-C5-C6-C7
18	A	5002	LHG	C12-C13-C14-C15
18	A	5007	LHG	C10-C11-C12-C13
18	G	5002	LHG	C12-C13-C14-C15
18	G	5007	LHG	C10-C11-C12-C13
18	e	5002	LHG	C12-C13-C14-C15
18	e	5007	LHG	C10-C11-C12-C13
17	5	522	BCR	C9-C10-C11-C12
17	c	522	BCR	C9-C10-C11-C12
17	u	522	BCR	C9-C10-C11-C12
14	B	1208	CLA	CBA-CGA-O2A-C1
14	H	1208	CLA	CBA-CGA-O2A-C1
14	f	1208	CLA	CBA-CGA-O2A-C1
18	B	1855	LHG	C24-C23-O8-C6
18	H	1855	LHG	C24-C23-O8-C6
18	f	1855	LHG	C24-C23-O8-C6
14	G	1121	CLA	CAA-CBA-CGA-O2A
14	e	1121	CLA	CAA-CBA-CGA-O2A
14	2	518	CLA	O1A-CGA-O2A-C1
14	Z	518	CLA	O1A-CGA-O2A-C1
14	r	518	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	1	503	CLA	C2A-CAA-CBA-CGA
14	Y	503	CLA	C2A-CAA-CBA-CGA
14	q	503	CLA	C2A-CAA-CBA-CGA
18	A	5008	LHG	C11-C12-C13-C14
18	G	5008	LHG	C11-C12-C13-C14
18	e	5008	LHG	C11-C12-C13-C14
18	e	5003	LHG	C23-C24-C25-C26
14	A	1103	CLA	C3-C5-C6-C7
14	e	1103	CLA	C3-C5-C6-C7
14	e	1140	CLA	CBD-CGD-O2D-CED
14	A	1133	CLA	C16-C17-C18-C19
14	G	1133	CLA	C16-C17-C18-C19
14	e	1133	CLA	C16-C17-C18-C19
14	A	1121	CLA	CAA-CBA-CGA-O2A
18	e	5003	LHG	C13-C14-C15-C16
18	A	5003	LHG	C23-C24-C25-C26
18	G	5003	LHG	C23-C24-C25-C26
18	A	5003	LHG	C13-C14-C15-C16
18	G	5003	LHG	C13-C14-C15-C16
14	A	1101	CLA	C5-C6-C7-C8
14	A	1140	CLA	CBD-CGD-O2D-CED
14	G	1140	CLA	CBD-CGD-O2D-CED
14	H	1212	CLA	CBD-CGD-O2D-CED
14	A	1103	CLA	CAD-CBD-CGD-O2D
14	A	1105	CLA	CAD-CBD-CGD-O2D
14	A	1107	CLA	CAD-CBD-CGD-O2D
14	A	1118	CLA	CAD-CBD-CGD-O2D
14	A	1124	CLA	CAD-CBD-CGD-O2D
14	B	1202	CLA	CAD-CBD-CGD-O2D
14	B	1208	CLA	CAD-CBD-CGD-O2D
14	B	1216	CLA	CAD-CBD-CGD-O2D
14	B	1218	CLA	CAD-CBD-CGD-O2D
14	B	1238	CLA	CAD-CBD-CGD-O2D
14	J	1303	CLA	CAD-CBD-CGD-O2D
14	1	502	CLA	CAD-CBD-CGD-O2D
14	1	512	CLA	CAD-CBD-CGD-O2D
14	1	513	CLA	CAD-CBD-CGD-O2D
14	1	516	CLA	CAD-CBD-CGD-O2D
14	2	505	CLA	CAD-CBD-CGD-O2D
14	2	511	CLA	CAD-CBD-CGD-O2D
14	3	508	CLA	CAD-CBD-CGD-O2D
14	4	518	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	5	517	CLA	CAD-CBD-CGD-O2D
14	6	506	CLA	CAD-CBD-CGD-O2D
14	6	517	CLA	CAD-CBD-CGD-O2D
14	G	1103	CLA	CAD-CBD-CGD-O2D
14	G	1105	CLA	CAD-CBD-CGD-O2D
14	G	1107	CLA	CAD-CBD-CGD-O2D
14	G	1118	CLA	CAD-CBD-CGD-O2D
14	G	1124	CLA	CAD-CBD-CGD-O2D
14	H	1202	CLA	CAD-CBD-CGD-O2D
14	H	1208	CLA	CAD-CBD-CGD-O2D
14	H	1216	CLA	CAD-CBD-CGD-O2D
14	H	1218	CLA	CAD-CBD-CGD-O2D
14	H	1238	CLA	CAD-CBD-CGD-O2D
14	T	1303	CLA	CAD-CBD-CGD-O2D
14	Y	502	CLA	CAD-CBD-CGD-O2D
14	Y	512	CLA	CAD-CBD-CGD-O2D
14	Y	513	CLA	CAD-CBD-CGD-O2D
14	Y	516	CLA	CAD-CBD-CGD-O2D
14	Z	505	CLA	CAD-CBD-CGD-O2D
14	Z	511	CLA	CAD-CBD-CGD-O2D
14	a	508	CLA	CAD-CBD-CGD-O2D
14	b	518	CLA	CAD-CBD-CGD-O2D
14	c	517	CLA	CAD-CBD-CGD-O2D
14	d	506	CLA	CAD-CBD-CGD-O2D
14	d	517	CLA	CAD-CBD-CGD-O2D
14	e	1103	CLA	CAD-CBD-CGD-O2D
14	e	1105	CLA	CAD-CBD-CGD-O2D
14	e	1107	CLA	CAD-CBD-CGD-O2D
14	e	1118	CLA	CAD-CBD-CGD-O2D
14	e	1124	CLA	CAD-CBD-CGD-O2D
14	f	1202	CLA	CAD-CBD-CGD-O2D
14	f	1208	CLA	CAD-CBD-CGD-O2D
14	f	1216	CLA	CAD-CBD-CGD-O2D
14	f	1218	CLA	CAD-CBD-CGD-O2D
14	f	1238	CLA	CAD-CBD-CGD-O2D
14	l	1303	CLA	CAD-CBD-CGD-O2D
14	q	502	CLA	CAD-CBD-CGD-O2D
14	q	512	CLA	CAD-CBD-CGD-O2D
14	q	513	CLA	CAD-CBD-CGD-O2D
14	q	516	CLA	CAD-CBD-CGD-O2D
14	r	505	CLA	CAD-CBD-CGD-O2D
14	r	511	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	s	508	CLA	CAD-CBD-CGD-O2D
14	t	518	CLA	CAD-CBD-CGD-O2D
14	u	517	CLA	CAD-CBD-CGD-O2D
14	v	506	CLA	CAD-CBD-CGD-O2D
14	v	517	CLA	CAD-CBD-CGD-O2D
18	B	1855	LHG	C6-C5-O7-C7
18	H	1855	LHG	C6-C5-O7-C7
18	f	1855	LHG	C6-C5-O7-C7
14	G	1101	CLA	C5-C6-C7-C8
14	e	1101	CLA	C5-C6-C7-C8
14	f	1227	CLA	O1D-CGD-O2D-CED
14	B	1212	CLA	CBD-CGD-O2D-CED
14	B	1220	CLA	CBA-CGA-O2A-C1
14	H	1220	CLA	CBA-CGA-O2A-C1
14	f	1220	CLA	CBA-CGA-O2A-C1
14	B	1227	CLA	O1D-CGD-O2D-CED
14	B	1219	CLA	C4-C3-C5-C6
14	H	1219	CLA	C4-C3-C5-C6
14	f	1219	CLA	C4-C3-C5-C6
14	A	1013	CLA	C16-C17-C18-C20
14	A	1137	CLA	C11-C12-C13-C15
14	e	1013	CLA	C16-C17-C18-C20
14	e	1137	CLA	C11-C12-C13-C15
14	B	1219	CLA	C2-C3-C5-C6
14	H	1219	CLA	C2-C3-C5-C6
14	f	1219	CLA	C2-C3-C5-C6
18	A	5009	LHG	C5-C4-O6-P
18	I	5001	LHG	C4-C5-C6-O8
18	G	5009	LHG	C5-C4-O6-P
18	S	5001	LHG	C4-C5-C6-O8
18	e	5009	LHG	C5-C4-O6-P
18	k	5001	LHG	C4-C5-C6-O8
21	B	1852	SQD	O6-C44-C45-C46
21	H	1852	SQD	O6-C44-C45-C46
21	f	1852	SQD	O6-C44-C45-C46
14	f	1212	CLA	CBD-CGD-O2D-CED
14	c	509	CLA	C5-C6-C7-C8
14	u	509	CLA	C5-C6-C7-C8
18	A	5001	LHG	C14-C15-C16-C17
18	e	5001	LHG	C14-C15-C16-C17
14	F	1302	CLA	C2A-CAA-CBA-CGA
14	R	1302	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	j	1302	CLA	C2A-CAA-CBA-CGA
14	H	1227	CLA	O1D-CGD-O2D-CED
14	5	509	CLA	C5-C6-C7-C8
14	f	1215	CLA	C5-C6-C7-C8
18	G	5001	LHG	C14-C15-C16-C17
18	e	5009	LHG	C34-C35-C36-C37
14	G	1013	CLA	C16-C17-C18-C20
14	G	1137	CLA	C11-C12-C13-C15
18	A	5009	LHG	C34-C35-C36-C37
18	A	5005	LHG	C1-C2-C3-O3
18	A	5009	LHG	C1-C2-C3-O3
18	L	5220	LHG	C1-C2-C3-O3
18	G	5005	LHG	C1-C2-C3-O3
18	G	5009	LHG	C1-C2-C3-O3
18	V	5220	LHG	C1-C2-C3-O3
18	e	5005	LHG	C1-C2-C3-O3
18	e	5009	LHG	C1-C2-C3-O3
18	n	5220	LHG	C1-C2-C3-O3
14	A	1102	CLA	CHA-CBD-CGD-O1D
14	A	1102	CLA	CHA-CBD-CGD-O2D
14	A	1111	CLA	CHA-CBD-CGD-O1D
14	A	1120	CLA	CHA-CBD-CGD-O1D
14	A	1122	CLA	CHA-CBD-CGD-O1D
14	A	1122	CLA	CHA-CBD-CGD-O2D
14	A	1134	CLA	CHA-CBD-CGD-O1D
14	A	1137	CLA	CHA-CBD-CGD-O1D
14	A	1137	CLA	CHA-CBD-CGD-O2D
14	A	1139	CLA	CHA-CBD-CGD-O2D
14	B	1209	CLA	CHA-CBD-CGD-O1D
14	B	1213	CLA	CHA-CBD-CGD-O1D
14	B	1213	CLA	CHA-CBD-CGD-O2D
14	B	1221	CLA	CHA-CBD-CGD-O1D
14	B	1221	CLA	CHA-CBD-CGD-O2D
14	B	1226	CLA	CHA-CBD-CGD-O1D
14	B	1226	CLA	CHA-CBD-CGD-O2D
14	B	1232	CLA	CHA-CBD-CGD-O1D
14	B	1232	CLA	CHA-CBD-CGD-O2D
14	B	1234	CLA	CHA-CBD-CGD-O2D
14	B	1207	CLA	CHA-CBD-CGD-O1D
14	B	1207	CLA	CHA-CBD-CGD-O2D
14	K	1103	CLA	CHA-CBD-CGD-O1D
14	1	501	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	1	503	CLA	CHA-CBD-CGD-O1D
14	1	503	CLA	CHA-CBD-CGD-O2D
14	2	503	CLA	CHA-CBD-CGD-O1D
14	2	503	CLA	CHA-CBD-CGD-O2D
14	2	504	CLA	CHA-CBD-CGD-O1D
14	2	506	CLA	CHA-CBD-CGD-O1D
14	2	506	CLA	CHA-CBD-CGD-O2D
14	2	507	CLA	CHA-CBD-CGD-O1D
14	3	503	CLA	CHA-CBD-CGD-O1D
14	3	503	CLA	CHA-CBD-CGD-O2D
14	3	506	CLA	CHA-CBD-CGD-O1D
14	3	510	CLA	CHA-CBD-CGD-O1D
14	3	510	CLA	CHA-CBD-CGD-O2D
14	4	502	CLA	CHA-CBD-CGD-O1D
14	4	502	CLA	CHA-CBD-CGD-O2D
14	4	505	CLA	CHA-CBD-CGD-O1D
14	4	507	CLA	CHA-CBD-CGD-O1D
14	4	507	CLA	CHA-CBD-CGD-O2D
14	4	509	CLA	CHA-CBD-CGD-O1D
14	4	509	CLA	CHA-CBD-CGD-O2D
14	5	503	CLA	CHA-CBD-CGD-O1D
14	5	503	CLA	CHA-CBD-CGD-O2D
14	5	516	CLA	CHA-CBD-CGD-O1D
14	5	516	CLA	CHA-CBD-CGD-O2D
14	5	519	CLA	CHA-CBD-CGD-O1D
14	5	519	CLA	CHA-CBD-CGD-O2D
14	6	503	CLA	CHA-CBD-CGD-O1D
14	6	503	CLA	CHA-CBD-CGD-O2D
14	G	1102	CLA	CHA-CBD-CGD-O1D
14	G	1102	CLA	CHA-CBD-CGD-O2D
14	G	1111	CLA	CHA-CBD-CGD-O1D
14	G	1120	CLA	CHA-CBD-CGD-O1D
14	G	1122	CLA	CHA-CBD-CGD-O1D
14	G	1122	CLA	CHA-CBD-CGD-O2D
14	G	1134	CLA	CHA-CBD-CGD-O1D
14	G	1137	CLA	CHA-CBD-CGD-O1D
14	G	1137	CLA	CHA-CBD-CGD-O2D
14	G	1139	CLA	CHA-CBD-CGD-O2D
14	H	1209	CLA	CHA-CBD-CGD-O1D
14	H	1213	CLA	CHA-CBD-CGD-O1D
14	H	1213	CLA	CHA-CBD-CGD-O2D
14	H	1221	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	H	1221	CLA	CHA-CBD-CGD-O2D
14	H	1226	CLA	CHA-CBD-CGD-O1D
14	H	1226	CLA	CHA-CBD-CGD-O2D
14	H	1232	CLA	CHA-CBD-CGD-O1D
14	H	1232	CLA	CHA-CBD-CGD-O2D
14	H	1234	CLA	CHA-CBD-CGD-O2D
14	H	1207	CLA	CHA-CBD-CGD-O1D
14	H	1207	CLA	CHA-CBD-CGD-O2D
14	U	1103	CLA	CHA-CBD-CGD-O1D
14	Y	501	CLA	CHA-CBD-CGD-O2D
14	Y	503	CLA	CHA-CBD-CGD-O1D
14	Y	503	CLA	CHA-CBD-CGD-O2D
14	Z	503	CLA	CHA-CBD-CGD-O1D
14	Z	503	CLA	CHA-CBD-CGD-O2D
14	Z	504	CLA	CHA-CBD-CGD-O1D
14	Z	506	CLA	CHA-CBD-CGD-O1D
14	Z	506	CLA	CHA-CBD-CGD-O2D
14	Z	507	CLA	CHA-CBD-CGD-O1D
14	a	503	CLA	CHA-CBD-CGD-O1D
14	a	503	CLA	CHA-CBD-CGD-O2D
14	a	506	CLA	CHA-CBD-CGD-O1D
14	a	510	CLA	CHA-CBD-CGD-O1D
14	a	510	CLA	CHA-CBD-CGD-O2D
14	b	502	CLA	CHA-CBD-CGD-O1D
14	b	502	CLA	CHA-CBD-CGD-O2D
14	b	505	CLA	CHA-CBD-CGD-O1D
14	b	507	CLA	CHA-CBD-CGD-O1D
14	b	507	CLA	CHA-CBD-CGD-O2D
14	b	509	CLA	CHA-CBD-CGD-O1D
14	b	509	CLA	CHA-CBD-CGD-O2D
14	c	503	CLA	CHA-CBD-CGD-O1D
14	c	503	CLA	CHA-CBD-CGD-O2D
14	c	516	CLA	CHA-CBD-CGD-O1D
14	c	516	CLA	CHA-CBD-CGD-O2D
14	c	519	CLA	CHA-CBD-CGD-O1D
14	c	519	CLA	CHA-CBD-CGD-O2D
14	d	503	CLA	CHA-CBD-CGD-O1D
14	d	503	CLA	CHA-CBD-CGD-O2D
14	e	1102	CLA	CHA-CBD-CGD-O1D
14	e	1102	CLA	CHA-CBD-CGD-O2D
14	e	1111	CLA	CHA-CBD-CGD-O1D
14	e	1120	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	e	1122	CLA	CHA-CBD-CGD-O1D
14	e	1122	CLA	CHA-CBD-CGD-O2D
14	e	1134	CLA	CHA-CBD-CGD-O1D
14	e	1137	CLA	CHA-CBD-CGD-O1D
14	e	1137	CLA	CHA-CBD-CGD-O2D
14	e	1139	CLA	CHA-CBD-CGD-O2D
14	f	1209	CLA	CHA-CBD-CGD-O1D
14	f	1213	CLA	CHA-CBD-CGD-O1D
14	f	1213	CLA	CHA-CBD-CGD-O2D
14	f	1221	CLA	CHA-CBD-CGD-O1D
14	f	1221	CLA	CHA-CBD-CGD-O2D
14	f	1226	CLA	CHA-CBD-CGD-O1D
14	f	1226	CLA	CHA-CBD-CGD-O2D
14	f	1232	CLA	CHA-CBD-CGD-O1D
14	f	1232	CLA	CHA-CBD-CGD-O2D
14	f	1234	CLA	CHA-CBD-CGD-O2D
14	f	1207	CLA	CHA-CBD-CGD-O1D
14	f	1207	CLA	CHA-CBD-CGD-O2D
14	m	1103	CLA	CHA-CBD-CGD-O1D
14	q	501	CLA	CHA-CBD-CGD-O2D
14	q	503	CLA	CHA-CBD-CGD-O1D
14	q	503	CLA	CHA-CBD-CGD-O2D
14	r	503	CLA	CHA-CBD-CGD-O1D
14	r	503	CLA	CHA-CBD-CGD-O2D
14	r	504	CLA	CHA-CBD-CGD-O1D
14	r	506	CLA	CHA-CBD-CGD-O1D
14	r	506	CLA	CHA-CBD-CGD-O2D
14	r	507	CLA	CHA-CBD-CGD-O1D
14	s	503	CLA	CHA-CBD-CGD-O1D
14	s	503	CLA	CHA-CBD-CGD-O2D
14	s	506	CLA	CHA-CBD-CGD-O1D
14	s	510	CLA	CHA-CBD-CGD-O1D
14	s	510	CLA	CHA-CBD-CGD-O2D
14	t	502	CLA	CHA-CBD-CGD-O1D
14	t	502	CLA	CHA-CBD-CGD-O2D
14	t	505	CLA	CHA-CBD-CGD-O1D
14	t	507	CLA	CHA-CBD-CGD-O1D
14	t	507	CLA	CHA-CBD-CGD-O2D
14	t	509	CLA	CHA-CBD-CGD-O1D
14	t	509	CLA	CHA-CBD-CGD-O2D
14	u	503	CLA	CHA-CBD-CGD-O1D
14	u	503	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	u	516	CLA	CHA-CBD-CGD-O1D
14	u	516	CLA	CHA-CBD-CGD-O2D
14	u	519	CLA	CHA-CBD-CGD-O1D
14	u	519	CLA	CHA-CBD-CGD-O2D
14	v	503	CLA	CHA-CBD-CGD-O1D
14	v	503	CLA	CHA-CBD-CGD-O2D
18	G	5009	LHG	C34-C35-C36-C37
14	B	1215	CLA	C5-C6-C7-C8
14	H	1215	CLA	C5-C6-C7-C8
21	L	5216	SQD	C19-C20-C21-C22
21	V	5216	SQD	C19-C20-C21-C22
21	n	5216	SQD	C19-C20-C21-C22
18	L	5220	LHG	O7-C5-C6-O8
18	L	5221	LHG	O7-C5-C6-O8
18	V	5220	LHG	O7-C5-C6-O8
18	V	5221	LHG	O7-C5-C6-O8
18	n	5220	LHG	O7-C5-C6-O8
18	n	5221	LHG	O7-C5-C6-O8
21	B	1852	SQD	O6-C44-C45-O47
21	3	822	SQD	O6-C44-C45-O47
21	4	822	SQD	O47-C45-C46-O48
21	H	1852	SQD	O6-C44-C45-O47
21	a	822	SQD	O6-C44-C45-O47
21	b	822	SQD	O47-C45-C46-O48
21	s	822	SQD	O6-C44-C45-O47
21	t	822	SQD	O47-C45-C46-O48
14	B	1223	CLA	C5-C6-C7-C8
14	H	1223	CLA	C5-C6-C7-C8
14	f	1223	CLA	C5-C6-C7-C8
14	A	1103	CLA	O1A-CGA-O2A-C1
14	G	1103	CLA	O1A-CGA-O2A-C1
14	e	1103	CLA	O1A-CGA-O2A-C1
18	A	5007	LHG	C33-C34-C35-C36
14	A	1137	CLA	C11-C12-C13-C14
14	G	1137	CLA	C11-C12-C13-C14
14	e	1137	CLA	C11-C12-C13-C14
18	A	5004	LHG	O1-C1-C2-O2
18	A	5006	LHG	O1-C1-C2-O2
18	G	5004	LHG	O1-C1-C2-O2
18	G	5006	LHG	O1-C1-C2-O2
18	e	5004	LHG	O1-C1-C2-O2
18	e	5006	LHG	O1-C1-C2-O2

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Mol	Chain	Res	Type	Atoms
18	B	1842	LHG	C27-C28-C29-C30
18	G	5007	LHG	C33-C34-C35-C36
18	f	1842	LHG	C27-C28-C29-C30
14	B	1204	CLA	C4-C3-C5-C6
14	H	1204	CLA	C4-C3-C5-C6
14	f	1204	CLA	C4-C3-C5-C6
18	L	5218	LHG	C29-C30-C31-C32
18	H	1842	LHG	C27-C28-C29-C30
18	e	5007	LHG	C33-C34-C35-C36
18	V	5218	LHG	C29-C30-C31-C32
18	n	5218	LHG	C29-C30-C31-C32
14	H	1202	CLA	C15-C16-C17-C18
14	f	1202	CLA	C15-C16-C17-C18
14	f	1234	CLA	C15-C16-C17-C18
14	B	1203	CLA	C6-C7-C8-C9
14	B	1206	CLA	C11-C10-C8-C9
14	5	509	CLA	C11-C12-C13-C14
14	H	1203	CLA	C6-C7-C8-C9
14	H	1206	CLA	C11-C10-C8-C9
14	c	509	CLA	C11-C12-C13-C14
14	f	1203	CLA	C6-C7-C8-C9
14	f	1206	CLA	C11-C10-C8-C9
14	f	1219	CLA	C14-C13-C15-C16
14	u	509	CLA	C11-C12-C13-C14
18	A	5005	LHG	C25-C26-C27-C28
18	G	5005	LHG	C25-C26-C27-C28
14	B	1202	CLA	C15-C16-C17-C18
21	4	822	SQD	C5-C6-S-O8
21	b	822	SQD	C5-C6-S-O8
21	t	822	SQD	C5-C6-S-O8
18	e	5005	LHG	C25-C26-C27-C28
14	2	518	CLA	C2A-CAA-CBA-CGA
14	Z	518	CLA	C2A-CAA-CBA-CGA
14	r	518	CLA	C2A-CAA-CBA-CGA
14	B	1224	CLA	CAA-CBA-CGA-O2A
14	H	1224	CLA	CAA-CBA-CGA-O2A
14	f	1224	CLA	CAA-CBA-CGA-O2A
14	B	1234	CLA	C15-C16-C17-C18
14	G	1140	CLA	O1D-CGD-O2D-CED
14	c	508	CLA	O1D-CGD-O2D-CED
17	H	4010	BCR	C37-C22-C23-C24
17	v	521	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
18	A	5006	LHG	O1-C1-C2-C3
18	G	5006	LHG	O1-C1-C2-C3
18	e	5006	LHG	O1-C1-C2-C3
14	H	1234	CLA	C15-C16-C17-C18
17	B	4010	BCR	C21-C22-C23-C24
17	B	4014	BCR	C7-C8-C9-C10
17	3	524	BCR	C21-C22-C23-C24
17	4	521	BCR	C17-C18-C19-C20
17	H	4010	BCR	C21-C22-C23-C24
17	H	4014	BCR	C7-C8-C9-C10
17	b	521	BCR	C17-C18-C19-C20
17	f	4010	BCR	C21-C22-C23-C24
17	f	4014	BCR	C7-C8-C9-C10
17	t	521	BCR	C17-C18-C19-C20
14	B	1240	CLA	O1D-CGD-O2D-CED
14	5	508	CLA	O1D-CGD-O2D-CED
14	A	1113	CLA	C1A-C2A-CAA-CBA
14	B	1208	CLA	C1A-C2A-CAA-CBA
14	B	1212	CLA	C1A-C2A-CAA-CBA
14	B	1229	CLA	C1A-C2A-CAA-CBA
14	B	1236	CLA	C1A-C2A-CAA-CBA
14	1	501	CLA	C1A-C2A-CAA-CBA
14	2	508	CLA	C1A-C2A-CAA-CBA
14	3	516	CLA	C1A-C2A-CAA-CBA
14	4	517	CLA	C1A-C2A-CAA-CBA
14	5	503	CLA	C1A-C2A-CAA-CBA
14	G	1113	CLA	C1A-C2A-CAA-CBA
14	H	1208	CLA	C1A-C2A-CAA-CBA
14	H	1212	CLA	C1A-C2A-CAA-CBA
14	H	1229	CLA	C1A-C2A-CAA-CBA
14	H	1236	CLA	C1A-C2A-CAA-CBA
14	Y	501	CLA	C1A-C2A-CAA-CBA
14	Z	508	CLA	C1A-C2A-CAA-CBA
14	a	516	CLA	C1A-C2A-CAA-CBA
14	b	517	CLA	C1A-C2A-CAA-CBA
14	c	503	CLA	C1A-C2A-CAA-CBA
14	e	1113	CLA	C1A-C2A-CAA-CBA
14	f	1208	CLA	C1A-C2A-CAA-CBA
14	f	1212	CLA	C1A-C2A-CAA-CBA
14	f	1229	CLA	C1A-C2A-CAA-CBA
14	f	1236	CLA	C1A-C2A-CAA-CBA
14	q	501	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	r	508	CLA	C1A-C2A-CAA-CBA
14	s	516	CLA	C1A-C2A-CAA-CBA
14	t	517	CLA	C1A-C2A-CAA-CBA
14	u	503	CLA	C1A-C2A-CAA-CBA
21	L	5216	SQD	C23-C24-C25-C26
21	V	5216	SQD	C23-C24-C25-C26
14	A	1115	CLA	C11-C12-C13-C14
14	G	1115	CLA	C11-C12-C13-C14
14	e	1115	CLA	C11-C12-C13-C14
14	G	1123	CLA	C15-C16-C17-C18
14	e	1123	CLA	C15-C16-C17-C18
14	A	1140	CLA	O1D-CGD-O2D-CED
14	e	1124	CLA	CBD-CGD-O2D-CED
18	L	5221	LHG	C24-C25-C26-C27
18	V	5221	LHG	C24-C25-C26-C27
18	n	5221	LHG	C24-C25-C26-C27
17	J	4015	BCR	C15-C16-C17-C18
17	3	522	BCR	C9-C10-C11-C12
17	T	4015	BCR	C15-C16-C17-C18
17	a	522	BCR	C9-C10-C11-C12
17	s	522	BCR	C9-C10-C11-C12
14	H	1240	CLA	O1D-CGD-O2D-CED
14	e	1140	CLA	O1D-CGD-O2D-CED
14	f	1240	CLA	O1D-CGD-O2D-CED
14	A	1123	CLA	C15-C16-C17-C18
18	B	1855	LHG	O2-C2-C3-O3
18	H	1855	LHG	O2-C2-C3-O3
18	f	1855	LHG	O2-C2-C3-O3
14	u	508	CLA	O1D-CGD-O2D-CED
14	A	1124	CLA	CBD-CGD-O2D-CED
14	a	510	CLA	CBD-CGD-O2D-CED
14	s	510	CLA	CBD-CGD-O2D-CED
14	A	1108	CLA	C2-C3-C5-C6
14	A	1101	CLA	C2-C3-C5-C6
14	G	1108	CLA	C2-C3-C5-C6
14	G	1101	CLA	C2-C3-C5-C6
14	e	1108	CLA	C2-C3-C5-C6
14	e	1101	CLA	C2-C3-C5-C6
18	A	5002	LHG	C4-O6-P-O5
18	A	5005	LHG	C3-O3-P-O5
18	A	5008	LHG	C4-O6-P-O4
18	A	5003	LHG	C4-O6-P-O5

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Mol	Chain	Res	Type	Atoms
18	B	1842	LHG	C3-O3-P-O4
18	B	1855	LHG	C3-O3-P-O5
18	B	1855	LHG	C4-O6-P-O4
18	I	5001	LHG	C3-O3-P-O5
18	L	5220	LHG	C4-O6-P-O4
18	L	5221	LHG	C3-O3-P-O4
18	L	5221	LHG	C4-O6-P-O4
18	G	5002	LHG	C4-O6-P-O5
18	G	5005	LHG	C3-O3-P-O5
18	G	5008	LHG	C4-O6-P-O4
18	G	5003	LHG	C4-O6-P-O5
18	H	1842	LHG	C3-O3-P-O4
18	H	1855	LHG	C3-O3-P-O5
18	H	1855	LHG	C4-O6-P-O4
18	S	5001	LHG	C3-O3-P-O5
18	V	5220	LHG	C4-O6-P-O4
18	V	5221	LHG	C3-O3-P-O4
18	V	5221	LHG	C4-O6-P-O4
18	e	5002	LHG	C4-O6-P-O5
18	e	5005	LHG	C3-O3-P-O5
18	e	5008	LHG	C4-O6-P-O4
18	e	5003	LHG	C4-O6-P-O5
18	f	1842	LHG	C3-O3-P-O4
18	f	1855	LHG	C3-O3-P-O5
18	f	1855	LHG	C4-O6-P-O4
18	k	5001	LHG	C3-O3-P-O5
18	n	5220	LHG	C4-O6-P-O4
18	n	5221	LHG	C3-O3-P-O4
18	n	5221	LHG	C4-O6-P-O4
14	A	1117	CLA	C16-C17-C18-C20
14	G	1117	CLA	C16-C17-C18-C20
14	e	1117	CLA	C16-C17-C18-C20
21	n	5216	SQD	C23-C24-C25-C26
14	B	1205	CLA	CBA-CGA-O2A-C1
14	H	1205	CLA	CBA-CGA-O2A-C1
14	f	1205	CLA	CBA-CGA-O2A-C1
14	3	510	CLA	CBD-CGD-O2D-CED
14	G	1124	CLA	CBD-CGD-O2D-CED
18	B	1855	LHG	O6-C4-C5-C6
18	H	1855	LHG	O6-C4-C5-C6
18	f	1855	LHG	O6-C4-C5-C6
14	B	1228	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	H	1228	CLA	CAA-CBA-CGA-O2A
14	f	1228	CLA	CAA-CBA-CGA-O2A
14	B	1213	CLA	C2A-CAA-CBA-CGA
14	2	517	CLA	C2A-CAA-CBA-CGA
14	H	1213	CLA	C2A-CAA-CBA-CGA
14	Z	517	CLA	C2A-CAA-CBA-CGA
14	f	1213	CLA	C2A-CAA-CBA-CGA
14	r	517	CLA	C2A-CAA-CBA-CGA
14	L	1502	CLA	C3-C5-C6-C7
14	V	1502	CLA	C3-C5-C6-C7
14	n	1502	CLA	C3-C5-C6-C7
18	A	5007	LHG	C28-C29-C30-C31
18	G	5007	LHG	C28-C29-C30-C31
18	e	5007	LHG	C28-C29-C30-C31
14	A	1111	CLA	CAD-CBD-CGD-O1D
14	A	1113	CLA	CAD-CBD-CGD-O1D
14	A	1801	CLA	CAD-CBD-CGD-O1D
14	B	1012	CLA	CAD-CBD-CGD-O1D
14	B	1234	CLA	CAD-CBD-CGD-O1D
14	B	1207	CLA	CAD-CBD-CGD-O1D
14	K	1103	CLA	CAD-CBD-CGD-O1D
14	K	1105	CLA	CAD-CBD-CGD-O1D
14	1	501	CLA	CAD-CBD-CGD-O1D
14	1	503	CLA	CAD-CBD-CGD-O1D
14	1	506	CLA	CAD-CBD-CGD-O1D
14	2	503	CLA	CAD-CBD-CGD-O1D
14	2	504	CLA	CAD-CBD-CGD-O1D
14	2	506	CLA	CAD-CBD-CGD-O1D
14	2	510	CLA	CAD-CBD-CGD-O1D
14	2	518	CLA	CAD-CBD-CGD-O1D
14	3	503	CLA	CAD-CBD-CGD-O1D
14	3	504	CLA	CAD-CBD-CGD-O1D
14	3	506	CLA	CAD-CBD-CGD-O1D
14	3	510	CLA	CAD-CBD-CGD-O1D
14	3	516	CLA	CAD-CBD-CGD-O1D
14	4	516	CLA	CAD-CBD-CGD-O1D
14	5	503	CLA	CAD-CBD-CGD-O1D
14	5	506	CLA	CAD-CBD-CGD-O1D
14	5	510	CLA	CAD-CBD-CGD-O1D
14	5	516	CLA	CAD-CBD-CGD-O1D
14	6	503	CLA	CAD-CBD-CGD-O1D
14	G	1111	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	G	1113	CLA	CAD-CBD-CGD-O1D
14	G	1801	CLA	CAD-CBD-CGD-O1D
14	H	1012	CLA	CAD-CBD-CGD-O1D
14	H	1234	CLA	CAD-CBD-CGD-O1D
14	H	1207	CLA	CAD-CBD-CGD-O1D
14	U	1103	CLA	CAD-CBD-CGD-O1D
14	U	1105	CLA	CAD-CBD-CGD-O1D
14	Y	501	CLA	CAD-CBD-CGD-O1D
14	Y	503	CLA	CAD-CBD-CGD-O1D
14	Y	506	CLA	CAD-CBD-CGD-O1D
14	Z	503	CLA	CAD-CBD-CGD-O1D
14	Z	504	CLA	CAD-CBD-CGD-O1D
14	Z	506	CLA	CAD-CBD-CGD-O1D
14	Z	510	CLA	CAD-CBD-CGD-O1D
14	Z	518	CLA	CAD-CBD-CGD-O1D
14	a	503	CLA	CAD-CBD-CGD-O1D
14	a	504	CLA	CAD-CBD-CGD-O1D
14	a	506	CLA	CAD-CBD-CGD-O1D
14	a	510	CLA	CAD-CBD-CGD-O1D
14	a	516	CLA	CAD-CBD-CGD-O1D
14	b	516	CLA	CAD-CBD-CGD-O1D
14	c	503	CLA	CAD-CBD-CGD-O1D
14	c	506	CLA	CAD-CBD-CGD-O1D
14	c	510	CLA	CAD-CBD-CGD-O1D
14	c	516	CLA	CAD-CBD-CGD-O1D
14	d	503	CLA	CAD-CBD-CGD-O1D
14	e	1111	CLA	CAD-CBD-CGD-O1D
14	e	1113	CLA	CAD-CBD-CGD-O1D
14	e	1801	CLA	CAD-CBD-CGD-O1D
14	f	1012	CLA	CAD-CBD-CGD-O1D
14	f	1234	CLA	CAD-CBD-CGD-O1D
14	f	1207	CLA	CAD-CBD-CGD-O1D
14	m	1103	CLA	CAD-CBD-CGD-O1D
14	m	1105	CLA	CAD-CBD-CGD-O1D
14	q	501	CLA	CAD-CBD-CGD-O1D
14	q	503	CLA	CAD-CBD-CGD-O1D
14	q	506	CLA	CAD-CBD-CGD-O1D
14	r	503	CLA	CAD-CBD-CGD-O1D
14	r	504	CLA	CAD-CBD-CGD-O1D
14	r	506	CLA	CAD-CBD-CGD-O1D
14	r	510	CLA	CAD-CBD-CGD-O1D
14	r	518	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	s	503	CLA	CAD-CBD-CGD-O1D
14	s	504	CLA	CAD-CBD-CGD-O1D
14	s	506	CLA	CAD-CBD-CGD-O1D
14	s	510	CLA	CAD-CBD-CGD-O1D
14	s	516	CLA	CAD-CBD-CGD-O1D
14	t	516	CLA	CAD-CBD-CGD-O1D
14	u	503	CLA	CAD-CBD-CGD-O1D
14	u	506	CLA	CAD-CBD-CGD-O1D
14	u	510	CLA	CAD-CBD-CGD-O1D
14	u	516	CLA	CAD-CBD-CGD-O1D
14	v	503	CLA	CAD-CBD-CGD-O1D
18	B	1842	LHG	O10-C23-O8-C6
18	f	1842	LHG	O10-C23-O8-C6
18	A	5002	LHG	C26-C27-C28-C29
18	G	5002	LHG	C26-C27-C28-C29
18	e	5002	LHG	C26-C27-C28-C29
18	n	5218	LHG	C23-C24-C25-C26
20	f	5002	LMG	C39-C40-C41-C42
18	A	5005	LHG	C24-C23-O8-C6
18	G	5005	LHG	C24-C23-O8-C6
18	e	5005	LHG	C24-C23-O8-C6
18	H	1842	LHG	O10-C23-O8-C6
20	B	5002	LMG	C39-C40-C41-C42
20	H	5002	LMG	C39-C40-C41-C42
14	A	1104	CLA	C3A-C2A-CAA-CBA
14	A	1111	CLA	C12-C13-C15-C16
14	A	1117	CLA	C11-C12-C13-C15
14	B	1203	CLA	C11-C12-C13-C15
14	B	1206	CLA	C11-C10-C8-C7
14	B	1208	CLA	C6-C7-C8-C10
14	B	1210	CLA	C2-C3-C5-C6
14	B	1210	CLA	C6-C7-C8-C10
14	B	1213	CLA	C11-C12-C13-C15
14	B	1214	CLA	C11-C12-C13-C15
14	B	1217	CLA	C6-C7-C8-C10
14	B	1219	CLA	C6-C7-C8-C10
14	B	1227	CLA	C6-C7-C8-C10
14	G	1104	CLA	C3A-C2A-CAA-CBA
14	G	1111	CLA	C12-C13-C15-C16
14	G	1117	CLA	C11-C12-C13-C15
14	H	1203	CLA	C11-C12-C13-C15
14	H	1206	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	H	1208	CLA	C6-C7-C8-C10
14	H	1210	CLA	C2-C3-C5-C6
14	H	1210	CLA	C6-C7-C8-C10
14	H	1213	CLA	C11-C12-C13-C15
14	H	1214	CLA	C11-C12-C13-C15
14	H	1217	CLA	C6-C7-C8-C10
14	H	1219	CLA	C6-C7-C8-C10
14	H	1227	CLA	C6-C7-C8-C10
14	e	1104	CLA	C3A-C2A-CAA-CBA
14	e	1111	CLA	C12-C13-C15-C16
14	e	1117	CLA	C11-C12-C13-C15
14	f	1203	CLA	C11-C12-C13-C15
14	f	1206	CLA	C11-C10-C8-C7
14	f	1208	CLA	C6-C7-C8-C10
14	f	1210	CLA	C2-C3-C5-C6
14	f	1210	CLA	C6-C7-C8-C10
14	f	1213	CLA	C11-C12-C13-C15
14	f	1214	CLA	C11-C12-C13-C15
14	f	1217	CLA	C6-C7-C8-C10
14	f	1219	CLA	C6-C7-C8-C10
14	f	1227	CLA	C6-C7-C8-C10
18	A	5005	LHG	O6-C4-C5-O7
18	L	5218	LHG	C23-C24-C25-C26
18	G	5005	LHG	O6-C4-C5-O7
18	V	5218	LHG	C23-C24-C25-C26
18	e	5005	LHG	O6-C4-C5-O7
17	l	4015	BCR	C15-C16-C17-C18
14	3	518	CLA	CAA-CBA-CGA-O2A
14	a	518	CLA	CAA-CBA-CGA-O2A
14	s	518	CLA	CAA-CBA-CGA-O2A
14	A	1237	CLA	C5-C6-C7-C8
14	B	1234	CLA	C5-C6-C7-C8
14	G	1237	CLA	C5-C6-C7-C8
14	H	1234	CLA	C5-C6-C7-C8
14	e	1237	CLA	C5-C6-C7-C8
14	f	1234	CLA	C5-C6-C7-C8
14	f	1234	CLA	C2C-C3C-CAC-CBC
14	B	1208	CLA	O1A-CGA-O2A-C1
14	B	1234	CLA	C2C-C3C-CAC-CBC
14	H	1234	CLA	C2C-C3C-CAC-CBC
18	B	1842	LHG	C4-C5-C6-O8
18	H	1842	LHG	C4-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
18	f	1842	LHG	C4-C5-C6-O8
21	l	822	SQD	O6-C44-C45-C46
21	4	822	SQD	C44-C45-C46-O48
21	Y	822	SQD	O6-C44-C45-C46
21	b	822	SQD	C44-C45-C46-O48
21	q	822	SQD	O6-C44-C45-C46
21	t	822	SQD	C44-C45-C46-O48
14	H	1208	CLA	O1A-CGA-O2A-C1
14	f	1208	CLA	O1A-CGA-O2A-C1
18	A	5004	LHG	O7-C5-C6-O8
18	A	5005	LHG	O7-C5-C6-O8
18	A	5007	LHG	O7-C5-C6-O8
18	G	5004	LHG	O7-C5-C6-O8
18	G	5005	LHG	O7-C5-C6-O8
18	G	5007	LHG	O7-C5-C6-O8
18	e	5004	LHG	O7-C5-C6-O8
18	e	5005	LHG	O7-C5-C6-O8
18	e	5007	LHG	O7-C5-C6-O8
21	6	822	SQD	O47-C45-C46-O48
21	d	822	SQD	O47-C45-C46-O48
21	v	822	SQD	O47-C45-C46-O48
14	2	505	CLA	C5-C6-C7-C8
14	Z	505	CLA	C5-C6-C7-C8
14	r	505	CLA	C5-C6-C7-C8
14	l	516	CLA	C2C-C3C-CAC-CBC
14	Y	516	CLA	C2C-C3C-CAC-CBC
14	q	516	CLA	C2C-C3C-CAC-CBC
14	B	1021	CLA	O1A-CGA-O2A-C1
14	H	1021	CLA	O1A-CGA-O2A-C1
14	f	1021	CLA	O1A-CGA-O2A-C1
14	B	1202	CLA	C4-C3-C5-C6
14	H	1202	CLA	C4-C3-C5-C6
14	A	1128	CLA	C10-C11-C12-C13
14	G	1128	CLA	C10-C11-C12-C13
14	e	1128	CLA	C10-C11-C12-C13
14	A	1013	CLA	C14-C13-C15-C16
14	A	1104	CLA	C14-C13-C15-C16
14	A	1106	CLA	C14-C13-C15-C16
14	A	1131	CLA	C14-C13-C15-C16
14	B	1012	CLA	C11-C10-C8-C9
14	B	1208	CLA	C14-C13-C15-C16
14	B	1214	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	B	1225	CLA	C14-C13-C15-C16
14	B	1239	CLA	C14-C13-C15-C16
14	B	1240	CLA	C11-C12-C13-C14
14	B	1230	CLA	C6-C7-C8-C9
14	5	509	CLA	C6-C7-C8-C9
14	G	1013	CLA	C14-C13-C15-C16
14	G	1104	CLA	C14-C13-C15-C16
14	G	1106	CLA	C14-C13-C15-C16
14	G	1131	CLA	C14-C13-C15-C16
14	H	1012	CLA	C11-C10-C8-C9
14	H	1208	CLA	C14-C13-C15-C16
14	H	1214	CLA	C11-C12-C13-C14
14	H	1225	CLA	C14-C13-C15-C16
14	H	1239	CLA	C14-C13-C15-C16
14	H	1240	CLA	C11-C12-C13-C14
14	H	1230	CLA	C6-C7-C8-C9
14	c	509	CLA	C6-C7-C8-C9
14	e	1013	CLA	C14-C13-C15-C16
14	e	1104	CLA	C14-C13-C15-C16
14	e	1106	CLA	C14-C13-C15-C16
14	e	1131	CLA	C14-C13-C15-C16
14	f	1012	CLA	C11-C10-C8-C9
14	f	1208	CLA	C6-C7-C8-C9
14	f	1208	CLA	C14-C13-C15-C16
14	f	1214	CLA	C11-C12-C13-C14
14	f	1225	CLA	C14-C13-C15-C16
14	f	1239	CLA	C14-C13-C15-C16
14	f	1240	CLA	C11-C12-C13-C14
14	f	1230	CLA	C6-C7-C8-C9
14	u	509	CLA	C6-C7-C8-C9
21	1	822	SQD	O48-C23-C24-C25
21	Y	822	SQD	O48-C23-C24-C25
21	q	822	SQD	O48-C23-C24-C25
17	B	4010	BCR	C11-C12-C13-C35
17	6	521	BCR	C7-C8-C9-C34
17	H	4010	BCR	C11-C12-C13-C35
17	d	521	BCR	C7-C8-C9-C34
17	f	4010	BCR	C11-C12-C13-C35
18	n	5221	LHG	C29-C30-C31-C32
18	L	5221	LHG	C29-C30-C31-C32
18	V	5221	LHG	C29-C30-C31-C32
14	B	1229	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	H	1229	CLA	CAA-CBA-CGA-O2A
18	e	5006	LHG	C29-C30-C31-C32
14	A	1132	CLA	C8-C10-C11-C12
14	e	1132	CLA	C8-C10-C11-C12
18	A	5006	LHG	C29-C30-C31-C32
14	A	1107	CLA	C4-C3-C5-C6
14	3	505	CLA	C4-C3-C5-C6
14	G	1107	CLA	C4-C3-C5-C6
14	e	1107	CLA	C4-C3-C5-C6
14	f	1202	CLA	C4-C3-C5-C6
14	f	1229	CLA	CAA-CBA-CGA-O2A
14	B	1204	CLA	C2-C3-C5-C6
14	H	1204	CLA	C2-C3-C5-C6
14	f	1204	CLA	C2-C3-C5-C6
18	G	5006	LHG	C29-C30-C31-C32
14	G	1132	CLA	C8-C10-C11-C12
14	2	501	CLA	C2A-CAA-CBA-CGA
14	3	518	CLA	C2A-CAA-CBA-CGA
14	5	501	CLA	C2A-CAA-CBA-CGA
14	Z	501	CLA	C2A-CAA-CBA-CGA
14	a	518	CLA	C2A-CAA-CBA-CGA
14	c	501	CLA	C2A-CAA-CBA-CGA
14	r	501	CLA	C2A-CAA-CBA-CGA
14	s	518	CLA	C2A-CAA-CBA-CGA
14	u	501	CLA	C2A-CAA-CBA-CGA
18	L	5221	LHG	O9-C7-O7-C5
18	V	5221	LHG	O9-C7-O7-C5
18	n	5221	LHG	O9-C7-O7-C5
20	J	5104	LMG	O9-C10-O7-C8
20	T	5104	LMG	O9-C10-O7-C8
20	l	5104	LMG	O9-C10-O7-C8
14	A	1106	CLA	C2-C1-O2A-CGA
14	A	1107	CLA	C2-C1-O2A-CGA
14	A	1138	CLA	C2-C1-O2A-CGA
14	A	1237	CLA	C2-C1-O2A-CGA
14	B	1212	CLA	C2-C1-O2A-CGA
14	3	505	CLA	C2-C1-O2A-CGA
14	6	505	CLA	C2-C1-O2A-CGA
14	G	1106	CLA	C2-C1-O2A-CGA
14	G	1107	CLA	C2-C1-O2A-CGA
14	G	1138	CLA	C2-C1-O2A-CGA
14	G	1237	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	H	1212	CLA	C2-C1-O2A-CGA
14	a	505	CLA	C2-C1-O2A-CGA
14	d	505	CLA	C2-C1-O2A-CGA
14	e	1106	CLA	C2-C1-O2A-CGA
14	e	1107	CLA	C2-C1-O2A-CGA
14	e	1138	CLA	C2-C1-O2A-CGA
14	e	1237	CLA	C2-C1-O2A-CGA
14	f	1212	CLA	C2-C1-O2A-CGA
14	s	505	CLA	C2-C1-O2A-CGA
14	v	505	CLA	C2-C1-O2A-CGA
21	B	1852	SQD	O10-C23-O48-C46
21	H	1852	SQD	O10-C23-O48-C46
21	n	5216	SQD	C16-C17-C18-C19
21	L	5216	SQD	C16-C17-C18-C19
14	H	1212	CLA	O1D-CGD-O2D-CED
14	f	1220	CLA	O1A-CGA-O2A-C1
21	f	1852	SQD	O10-C23-O48-C46
18	A	5007	LHG	O6-C4-C5-O7
18	G	5007	LHG	O6-C4-C5-O7
18	e	5007	LHG	O6-C4-C5-O7
21	V	5216	SQD	C16-C17-C18-C19
14	a	505	CLA	C4-C3-C5-C6
14	s	505	CLA	C4-C3-C5-C6
14	f	1212	CLA	O1D-CGD-O2D-CED
17	3	522	BCR	C1-C6-C7-C8
17	a	522	BCR	C1-C6-C7-C8
17	s	522	BCR	C1-C6-C7-C8
14	B	1220	CLA	O1A-CGA-O2A-C1
14	B	1212	CLA	O1D-CGD-O2D-CED
14	A	1124	CLA	CBA-CGA-O2A-C1
14	G	1124	CLA	CBA-CGA-O2A-C1
14	e	1124	CLA	CBA-CGA-O2A-C1
14	5	503	CLA	C2A-CAA-CBA-CGA
14	c	503	CLA	C2A-CAA-CBA-CGA
14	u	503	CLA	C2A-CAA-CBA-CGA
17	L	4020	BCR	C20-C21-C22-C23
17	V	4020	BCR	C20-C21-C22-C23
17	n	4020	BCR	C20-C21-C22-C23
14	H	1220	CLA	O1A-CGA-O2A-C1
18	A	5002	LHG	O7-C5-C6-O8
18	G	5002	LHG	O7-C5-C6-O8
18	e	5002	LHG	O7-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
14	B	1207	CLA	C15-C16-C17-C18
14	H	1207	CLA	C15-C16-C17-C18
14	f	1207	CLA	C15-C16-C17-C18
18	A	5002	LHG	C3-O3-P-O6
18	A	5007	LHG	C3-O3-P-O6
18	A	5001	LHG	C3-O3-P-O6
18	A	5003	LHG	C3-O3-P-O6
18	A	5003	LHG	C4-O6-P-O3
18	I	5001	LHG	C4-O6-P-O3
18	G	5002	LHG	C3-O3-P-O6
18	G	5007	LHG	C3-O3-P-O6
18	G	5001	LHG	C3-O3-P-O6
18	G	5003	LHG	C3-O3-P-O6
18	G	5003	LHG	C4-O6-P-O3
18	S	5001	LHG	C4-O6-P-O3
18	e	5002	LHG	C3-O3-P-O6
18	e	5007	LHG	C3-O3-P-O6
18	e	5001	LHG	C3-O3-P-O6
18	e	5003	LHG	C3-O3-P-O6
18	e	5003	LHG	C4-O6-P-O3
18	k	5001	LHG	C4-O6-P-O3
20	B	5002	LMG	C7-C8-C9-O8
20	H	5002	LMG	C7-C8-C9-O8
20	f	5002	LMG	C7-C8-C9-O8
14	A	1022	CLA	C4-C3-C5-C6
14	G	1022	CLA	C4-C3-C5-C6
14	e	1022	CLA	C4-C3-C5-C6
14	A	1103	CLA	C12-C13-C15-C16
14	A	1101	CLA	C6-C7-C8-C10
14	B	1023	CLA	C11-C10-C8-C7
14	B	1208	CLA	C12-C13-C15-C16
14	2	505	CLA	C12-C13-C15-C16
14	G	1103	CLA	C12-C13-C15-C16
14	G	1101	CLA	C6-C7-C8-C10
14	H	1023	CLA	C11-C10-C8-C7
14	H	1208	CLA	C12-C13-C15-C16
14	Z	505	CLA	C12-C13-C15-C16
14	e	1103	CLA	C12-C13-C15-C16
14	e	1101	CLA	C6-C7-C8-C10
14	f	1023	CLA	C11-C10-C8-C7
14	f	1208	CLA	C12-C13-C15-C16
14	r	505	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	A	1107	CLA	C11-C10-C8-C9
14	A	1139	CLA	C14-C13-C15-C16
14	A	1101	CLA	C11-C10-C8-C9
14	B	1208	CLA	C6-C7-C8-C9
14	B	1210	CLA	C11-C12-C13-C14
14	B	1217	CLA	C6-C7-C8-C9
14	B	1219	CLA	C11-C10-C8-C9
14	B	1229	CLA	C6-C7-C8-C9
14	G	1107	CLA	C11-C10-C8-C9
14	G	1139	CLA	C14-C13-C15-C16
14	G	1101	CLA	C11-C10-C8-C9
14	H	1208	CLA	C6-C7-C8-C9
14	H	1210	CLA	C11-C12-C13-C14
14	H	1217	CLA	C6-C7-C8-C9
14	H	1219	CLA	C11-C10-C8-C9
14	H	1229	CLA	C6-C7-C8-C9
14	e	1107	CLA	C11-C10-C8-C9
14	e	1139	CLA	C14-C13-C15-C16
14	e	1101	CLA	C11-C10-C8-C9
14	f	1210	CLA	C11-C12-C13-C14
14	f	1217	CLA	C6-C7-C8-C9
14	f	1219	CLA	C11-C10-C8-C9
14	f	1229	CLA	C6-C7-C8-C9
17	J	4012	BCR	C9-C10-C11-C12
17	T	4012	BCR	C9-C10-C11-C12
17	l	4012	BCR	C9-C10-C11-C12
14	B	1021	CLA	C16-C17-C18-C20
14	H	1021	CLA	C16-C17-C18-C20
14	f	1021	CLA	C16-C17-C18-C20
14	A	1128	CLA	CBA-CGA-O2A-C1
14	G	1128	CLA	CBA-CGA-O2A-C1
14	2	503	CLA	C13-C15-C16-C17
14	Z	503	CLA	C13-C15-C16-C17
14	r	503	CLA	C13-C15-C16-C17
14	A	1128	CLA	O1A-CGA-O2A-C1
14	G	1128	CLA	O1A-CGA-O2A-C1
14	e	1128	CLA	O1A-CGA-O2A-C1
17	l	524	BCR	C11-C12-C13-C35
17	Y	524	BCR	C11-C12-C13-C35
17	q	524	BCR	C11-C12-C13-C35
14	B	1210	CLA	CBA-CGA-O2A-C1
14	H	1210	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	e	1128	CLA	CBA-CGA-O2A-C1
14	f	1210	CLA	CBA-CGA-O2A-C1
18	L	5220	LHG	C2-C3-O3-P
18	V	5220	LHG	C2-C3-O3-P
18	n	5220	LHG	C2-C3-O3-P
18	V	5220	LHG	C25-C26-C27-C28
18	L	5220	LHG	C25-C26-C27-C28
14	B	1213	CLA	C12-C13-C15-C16
14	H	1213	CLA	C12-C13-C15-C16
14	f	1213	CLA	C12-C13-C15-C16
18	n	5220	LHG	C25-C26-C27-C28
14	B	1021	CLA	C16-C17-C18-C19
14	H	1021	CLA	C16-C17-C18-C19
14	f	1021	CLA	C16-C17-C18-C19
14	A	1011	CLA	CBA-CGA-O2A-C1
14	G	1011	CLA	CBA-CGA-O2A-C1
14	e	1011	CLA	CBA-CGA-O2A-C1
14	e	1130	CLA	C3-C5-C6-C7
14	A	1126	CLA	CAA-CBA-CGA-O2A
14	G	1126	CLA	CAA-CBA-CGA-O2A
14	e	1126	CLA	CAA-CBA-CGA-O2A
18	G	5003	LHG	C11-C12-C13-C14
18	e	5003	LHG	C11-C12-C13-C14
14	A	1109	CLA	C15-C16-C17-C18
14	G	1109	CLA	C15-C16-C17-C18
14	G	1135	CLA	C5-C6-C7-C8
18	A	5003	LHG	C11-C12-C13-C14
19	A	1848	LMU	O1'-C1-C2-C3
19	G	1848	LMU	O1'-C1-C2-C3
19	e	1848	LMU	O1'-C1-C2-C3
14	4	513	CLA	C2A-CAA-CBA-CGA
14	b	513	CLA	C2A-CAA-CBA-CGA
14	t	513	CLA	C2A-CAA-CBA-CGA
17	A	4001	BCR	C13-C14-C15-C16
17	3	524	BCR	C9-C10-C11-C12
17	G	4001	BCR	C13-C14-C15-C16
17	a	524	BCR	C9-C10-C11-C12
17	e	4001	BCR	C13-C14-C15-C16
17	s	524	BCR	C9-C10-C11-C12
18	A	5009	LHG	O6-C4-C5-C6
18	G	5009	LHG	O6-C4-C5-C6
18	e	5009	LHG	O6-C4-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	1130	CLA	C3-C5-C6-C7
14	G	1130	CLA	C3-C5-C6-C7
14	A	1135	CLA	C5-C6-C7-C8
14	e	1109	CLA	C15-C16-C17-C18
14	e	1135	CLA	C5-C6-C7-C8
18	A	5009	LHG	O6-C4-C5-O7
18	G	5009	LHG	O6-C4-C5-O7
18	e	5009	LHG	O6-C4-C5-O7
14	B	1205	CLA	O1A-CGA-O2A-C1
14	H	1205	CLA	O1A-CGA-O2A-C1
14	f	1205	CLA	O1A-CGA-O2A-C1
14	f	1210	CLA	O1A-CGA-O2A-C1
14	B	1210	CLA	O1A-CGA-O2A-C1
14	H	1210	CLA	O1A-CGA-O2A-C1
14	a	510	CLA	O1D-CGD-O2D-CED
18	L	5220	LHG	C26-C27-C28-C29
18	n	5220	LHG	C26-C27-C28-C29
14	A	1801	CLA	CAA-CBA-CGA-O1A
14	l	508	CLA	CAA-CBA-CGA-O2A
14	G	1801	CLA	CAA-CBA-CGA-O1A
14	e	1801	CLA	CAA-CBA-CGA-O1A
14	A	1132	CLA	C2C-C3C-CAC-CBC
14	G	1132	CLA	C2C-C3C-CAC-CBC
14	e	1132	CLA	C2C-C3C-CAC-CBC
18	V	5220	LHG	C26-C27-C28-C29
19	l	5105	LMU	C5-C6-C7-C8
14	Y	508	CLA	CAA-CBA-CGA-O2A
14	q	508	CLA	CAA-CBA-CGA-O2A
14	A	1137	CLA	C2A-CAA-CBA-CGA
14	A	1237	CLA	C2A-CAA-CBA-CGA
14	B	1204	CLA	C2A-CAA-CBA-CGA
14	B	1210	CLA	C2A-CAA-CBA-CGA
14	6	501	CLA	C2A-CAA-CBA-CGA
14	G	1137	CLA	C2A-CAA-CBA-CGA
14	G	1237	CLA	C2A-CAA-CBA-CGA
14	H	1204	CLA	C2A-CAA-CBA-CGA
14	H	1210	CLA	C2A-CAA-CBA-CGA
14	d	501	CLA	C2A-CAA-CBA-CGA
14	e	1137	CLA	C2A-CAA-CBA-CGA
14	e	1237	CLA	C2A-CAA-CBA-CGA
14	f	1204	CLA	C2A-CAA-CBA-CGA
14	f	1210	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	v	501	CLA	C2A-CAA-CBA-CGA
19	J	5105	LMU	C5-C6-C7-C8
19	T	5105	LMU	C5-C6-C7-C8
14	G	1011	CLA	CAA-CBA-CGA-O2A
14	3	510	CLA	O1D-CGD-O2D-CED
14	B	1206	CLA	C3A-C2A-CAA-CBA
14	B	1228	CLA	C3A-C2A-CAA-CBA
14	2	512	CLA	C3A-C2A-CAA-CBA
14	4	517	CLA	C3A-C2A-CAA-CBA
14	H	1206	CLA	C3A-C2A-CAA-CBA
14	H	1228	CLA	C3A-C2A-CAA-CBA
14	Z	512	CLA	C3A-C2A-CAA-CBA
14	b	517	CLA	C3A-C2A-CAA-CBA
14	f	1206	CLA	C3A-C2A-CAA-CBA
14	f	1228	CLA	C3A-C2A-CAA-CBA
14	r	512	CLA	C3A-C2A-CAA-CBA
14	t	517	CLA	C3A-C2A-CAA-CBA
14	e	1124	CLA	O1D-CGD-O2D-CED
14	Y	504	CLA	CBD-CGD-O2D-CED
17	4	521	BCR	C13-C14-C15-C16
17	a	521	BCR	C9-C10-C11-C12
17	b	521	BCR	C13-C14-C15-C16
17	s	521	BCR	C9-C10-C11-C12
17	t	521	BCR	C13-C14-C15-C16
14	u	501	CLA	CAA-CBA-CGA-O2A
14	B	1224	CLA	C4-C3-C5-C6
14	J	1302	CLA	C4-C3-C5-C6
14	H	1224	CLA	C4-C3-C5-C6
14	T	1302	CLA	C4-C3-C5-C6
14	f	1224	CLA	C4-C3-C5-C6
14	l	1302	CLA	C4-C3-C5-C6
14	s	510	CLA	O1D-CGD-O2D-CED
14	1	504	CLA	CBD-CGD-O2D-CED
14	J	1302	CLA	C2-C3-C5-C6
14	T	1302	CLA	C2-C3-C5-C6
14	l	1302	CLA	C2-C3-C5-C6
14	A	1011	CLA	CAA-CBA-CGA-O2A
14	e	1011	CLA	CAA-CBA-CGA-O2A
14	A	1106	CLA	C11-C10-C8-C9
14	A	1126	CLA	C14-C13-C15-C16
14	A	1139	CLA	C11-C12-C13-C14
14	A	1237	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	G	1106	CLA	C11-C10-C8-C9
14	G	1126	CLA	C14-C13-C15-C16
14	G	1139	CLA	C11-C12-C13-C14
14	G	1237	CLA	C14-C13-C15-C16
14	e	1106	CLA	C11-C10-C8-C9
14	e	1126	CLA	C14-C13-C15-C16
14	e	1139	CLA	C11-C12-C13-C14
14	e	1237	CLA	C14-C13-C15-C16
18	k	5001	LHG	C24-C25-C26-C27
14	A	1801	CLA	CAA-CBA-CGA-O2A
14	2	519	CLA	CAA-CBA-CGA-O2A
14	G	1801	CLA	CAA-CBA-CGA-O2A
14	Z	519	CLA	CAA-CBA-CGA-O2A
14	e	1801	CLA	CAA-CBA-CGA-O2A
14	r	519	CLA	CAA-CBA-CGA-O2A
14	G	1129	CLA	CBD-CGD-O2D-CED
18	I	5001	LHG	C24-C25-C26-C27
18	L	5220	LHG	C31-C32-C33-C34
18	S	5001	LHG	C24-C25-C26-C27
18	V	5220	LHG	C31-C32-C33-C34
18	n	5220	LHG	C31-C32-C33-C34
17	A	4011	BCR	C11-C10-C9-C34
17	A	4011	BCR	C16-C17-C18-C36
17	B	4006	BCR	C11-C10-C9-C34
17	B	4006	BCR	C20-C21-C22-C37
17	F	4016	BCR	C35-C13-C14-C15
17	L	4020	BCR	C20-C21-C22-C37
17	G	4011	BCR	C11-C10-C9-C34
17	G	4011	BCR	C16-C17-C18-C36
17	H	4006	BCR	C11-C10-C9-C34
17	H	4006	BCR	C20-C21-C22-C37
17	R	4016	BCR	C35-C13-C14-C15
17	V	4020	BCR	C20-C21-C22-C37
17	e	4011	BCR	C11-C10-C9-C34
17	e	4011	BCR	C16-C17-C18-C36
17	f	4006	BCR	C11-C10-C9-C34
17	f	4006	BCR	C20-C21-C22-C37
17	j	4016	BCR	C35-C13-C14-C15
17	n	4020	BCR	C20-C21-C22-C37
21	B	1852	SQD	C44-C45-C46-O48
21	L	5216	SQD	O6-C44-C45-C46
21	2	822	SQD	C44-C45-C46-O48

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Mol	Chain	Res	Type	Atoms
21	4	822	SQD	O6-C44-C45-C46
21	H	1852	SQD	C44-C45-C46-O48
21	V	5216	SQD	O6-C44-C45-C46
21	Z	822	SQD	C44-C45-C46-O48
21	b	822	SQD	O6-C44-C45-C46
21	f	1852	SQD	C44-C45-C46-O48
21	n	5216	SQD	O6-C44-C45-C46
21	r	822	SQD	C44-C45-C46-O48
21	t	822	SQD	O6-C44-C45-C46
14	3	518	CLA	C3-C5-C6-C7
14	a	518	CLA	C3-C5-C6-C7
14	s	518	CLA	C3-C5-C6-C7
14	1	508	CLA	CAA-CBA-CGA-O1A
14	4	508	CLA	CAA-CBA-CGA-O1A
14	b	508	CLA	CAA-CBA-CGA-O1A
14	c	501	CLA	CAA-CBA-CGA-O2A
14	q	508	CLA	CAA-CBA-CGA-O1A
14	t	508	CLA	CAA-CBA-CGA-O1A
14	B	1216	CLA	C2A-CAA-CBA-CGA
14	3	503	CLA	C2A-CAA-CBA-CGA
14	4	502	CLA	C2A-CAA-CBA-CGA
14	H	1216	CLA	C2A-CAA-CBA-CGA
14	a	503	CLA	C2A-CAA-CBA-CGA
14	b	502	CLA	C2A-CAA-CBA-CGA
14	f	1216	CLA	C2A-CAA-CBA-CGA
14	t	502	CLA	C2A-CAA-CBA-CGA
14	A	1124	CLA	O1D-CGD-O2D-CED
20	B	5002	LMG	C40-C41-C42-C43
20	H	5002	LMG	C40-C41-C42-C43
14	A	1117	CLA	C16-C17-C18-C19
14	B	1229	CLA	C16-C17-C18-C19
14	G	1117	CLA	C16-C17-C18-C19
14	H	1229	CLA	C16-C17-C18-C19
14	e	1117	CLA	C16-C17-C18-C19
14	f	1229	CLA	C16-C17-C18-C19
14	A	1126	CLA	O2A-C1-C2-C3
14	B	1216	CLA	O2A-C1-C2-C3
14	G	1126	CLA	O2A-C1-C2-C3
14	H	1216	CLA	O2A-C1-C2-C3
14	e	1126	CLA	O2A-C1-C2-C3
14	f	1216	CLA	O2A-C1-C2-C3
18	A	5004	LHG	O2-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
18	G	5004	LHG	O2-C2-C3-O3
18	e	5004	LHG	O2-C2-C3-O3
14	B	1236	CLA	CBA-CGA-O2A-C1
14	H	1236	CLA	CBA-CGA-O2A-C1
14	f	1236	CLA	CBA-CGA-O2A-C1
14	G	1124	CLA	O1D-CGD-O2D-CED
20	f	5002	LMG	C40-C41-C42-C43
14	5	501	CLA	CAA-CBA-CGA-O2A
14	Y	508	CLA	CAA-CBA-CGA-O1A
17	A	4011	BCR	C7-C8-C9-C34
17	G	4011	BCR	C7-C8-C9-C34
17	e	4011	BCR	C7-C8-C9-C34
14	A	1123	CLA	C13-C15-C16-C17
14	G	1123	CLA	C13-C15-C16-C17
14	q	504	CLA	CBD-CGD-O2D-CED
18	e	5004	LHG	C28-C29-C30-C31
18	A	5004	LHG	C28-C29-C30-C31
18	G	5004	LHG	C28-C29-C30-C31
14	4	508	CLA	CAA-CBA-CGA-O2A
14	5	501	CLA	CAA-CBA-CGA-O1A
14	6	510	CLA	CAA-CBA-CGA-O2A
14	6	517	CLA	CAA-CBA-CGA-O1A
14	b	508	CLA	CAA-CBA-CGA-O2A
14	d	510	CLA	CAA-CBA-CGA-O2A
14	d	517	CLA	CAA-CBA-CGA-O1A
14	t	508	CLA	CAA-CBA-CGA-O2A
14	v	510	CLA	CAA-CBA-CGA-O2A
14	v	517	CLA	CAA-CBA-CGA-O1A
21	5	822	SQD	C46-C45-O47-C7
21	c	822	SQD	C46-C45-O47-C7
21	u	822	SQD	C46-C45-O47-C7
14	A	1022	CLA	C15-C16-C17-C18
14	G	1022	CLA	C15-C16-C17-C18
14	e	1123	CLA	C13-C15-C16-C17
14	A	1111	CLA	C1A-C2A-CAA-CBA
14	A	1128	CLA	C1A-C2A-CAA-CBA
14	B	1206	CLA	C1A-C2A-CAA-CBA
14	B	1228	CLA	C1A-C2A-CAA-CBA
14	L	1502	CLA	C1A-C2A-CAA-CBA
14	2	504	CLA	C1A-C2A-CAA-CBA
14	2	512	CLA	C1A-C2A-CAA-CBA
14	3	508	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	4	516	CLA	C1A-C2A-CAA-CBA
14	5	506	CLA	C1A-C2A-CAA-CBA
14	6	517	CLA	C1A-C2A-CAA-CBA
14	G	1111	CLA	C1A-C2A-CAA-CBA
14	G	1128	CLA	C1A-C2A-CAA-CBA
14	H	1206	CLA	C1A-C2A-CAA-CBA
14	H	1228	CLA	C1A-C2A-CAA-CBA
14	V	1502	CLA	C1A-C2A-CAA-CBA
14	Z	504	CLA	C1A-C2A-CAA-CBA
14	Z	512	CLA	C1A-C2A-CAA-CBA
14	a	508	CLA	C1A-C2A-CAA-CBA
14	b	516	CLA	C1A-C2A-CAA-CBA
14	c	506	CLA	C1A-C2A-CAA-CBA
14	d	517	CLA	C1A-C2A-CAA-CBA
14	e	1111	CLA	C1A-C2A-CAA-CBA
14	e	1128	CLA	C1A-C2A-CAA-CBA
14	f	1206	CLA	C1A-C2A-CAA-CBA
14	f	1228	CLA	C1A-C2A-CAA-CBA
14	n	1502	CLA	C1A-C2A-CAA-CBA
14	r	504	CLA	C1A-C2A-CAA-CBA
14	r	512	CLA	C1A-C2A-CAA-CBA
14	s	508	CLA	C1A-C2A-CAA-CBA
14	t	516	CLA	C1A-C2A-CAA-CBA
14	u	506	CLA	C1A-C2A-CAA-CBA
14	v	517	CLA	C1A-C2A-CAA-CBA
14	A	1137	CLA	C11-C10-C8-C7
14	A	1101	CLA	C12-C13-C15-C16
14	B	1215	CLA	C6-C7-C8-C10
14	B	1235	CLA	C6-C7-C8-C10
14	G	1137	CLA	C11-C10-C8-C7
14	G	1101	CLA	C12-C13-C15-C16
14	H	1215	CLA	C6-C7-C8-C10
14	H	1235	CLA	C6-C7-C8-C10
14	e	1137	CLA	C11-C10-C8-C7
14	e	1101	CLA	C12-C13-C15-C16
14	f	1215	CLA	C6-C7-C8-C10
14	f	1235	CLA	C6-C7-C8-C10
14	A	1237	CLA	C8-C10-C11-C12
14	G	1237	CLA	C8-C10-C11-C12
14	e	1237	CLA	C8-C10-C11-C12
14	1	501	CLA	CAA-CBA-CGA-O2A
14	2	519	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	Y	501	CLA	CAA-CBA-CGA-O2A
14	q	501	CLA	CAA-CBA-CGA-O2A
14	r	519	CLA	CAA-CBA-CGA-O1A
17	3	521	BCR	C9-C10-C11-C12
14	A	1129	CLA	CBD-CGD-O2D-CED
14	A	1011	CLA	O1A-CGA-O2A-C1
14	Z	519	CLA	CAA-CBA-CGA-O1A
14	c	501	CLA	CAA-CBA-CGA-O1A
14	u	501	CLA	CAA-CBA-CGA-O1A
14	e	1022	CLA	C15-C16-C17-C18
14	A	1109	CLA	C3-C5-C6-C7
14	A	1110	CLA	C3-C5-C6-C7
14	G	1109	CLA	C3-C5-C6-C7
14	G	1110	CLA	C3-C5-C6-C7
14	e	1110	CLA	C3-C5-C6-C7
14	2	503	CLA	C2A-CAA-CBA-CGA
14	Z	503	CLA	C2A-CAA-CBA-CGA
14	r	503	CLA	C2A-CAA-CBA-CGA
14	s	503	CLA	C2A-CAA-CBA-CGA
14	A	1116	CLA	C8-C10-C11-C12
14	G	1116	CLA	C8-C10-C11-C12
19	J	5105	LMU	C2-C3-C4-C5
19	T	5105	LMU	C2-C3-C4-C5
19	l	5105	LMU	C2-C3-C4-C5
14	G	1011	CLA	O1A-CGA-O2A-C1
14	5	519	CLA	CAA-CBA-CGA-O2A
14	c	519	CLA	CAA-CBA-CGA-O1A
14	c	519	CLA	CAA-CBA-CGA-O2A
14	q	501	CLA	CAA-CBA-CGA-O1A
14	u	519	CLA	CAA-CBA-CGA-O2A
14	e	1116	CLA	C8-C10-C11-C12
18	L	5221	LHG	C12-C13-C14-C15
18	V	5221	LHG	C12-C13-C14-C15
18	n	5221	LHG	C12-C13-C14-C15
15	G	2001	PQN	C23-C25-C26-C27
15	e	2001	PQN	C23-C25-C26-C27
14	1	501	CLA	CAA-CBA-CGA-O1A
14	5	510	CLA	CAA-CBA-CGA-O2A
14	5	519	CLA	CAA-CBA-CGA-O1A
14	c	510	CLA	CAA-CBA-CGA-O2A
14	u	510	CLA	CAA-CBA-CGA-O2A
14	u	519	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
15	A	2001	PQN	C23-C25-C26-C27
14	e	1129	CLA	CBD-CGD-O2D-CED
14	G	1022	CLA	C2-C3-C5-C6
14	4	510	CLA	CAA-CBA-CGA-O1A
14	6	510	CLA	CAA-CBA-CGA-O1A
14	Y	501	CLA	CAA-CBA-CGA-O1A
14	b	510	CLA	CAA-CBA-CGA-O1A
14	d	510	CLA	CAA-CBA-CGA-O1A
14	t	510	CLA	CAA-CBA-CGA-O1A
14	u	510	CLA	CAA-CBA-CGA-O1A
14	v	510	CLA	CAA-CBA-CGA-O1A
14	G	1124	CLA	O1A-CGA-O2A-C1
14	e	1011	CLA	O1A-CGA-O2A-C1
14	e	1124	CLA	O1A-CGA-O2A-C1
14	e	1109	CLA	C3-C5-C6-C7
17	A	4011	BCR	C11-C10-C9-C8
17	A	4011	BCR	C16-C17-C18-C19
17	B	4006	BCR	C11-C10-C9-C8
17	B	4006	BCR	C20-C21-C22-C23
17	F	4016	BCR	C12-C13-C14-C15
17	G	4011	BCR	C11-C10-C9-C8
17	G	4011	BCR	C16-C17-C18-C19
17	H	4006	BCR	C11-C10-C9-C8
17	H	4006	BCR	C20-C21-C22-C23
17	R	4016	BCR	C12-C13-C14-C15
17	e	4011	BCR	C11-C10-C9-C8
17	e	4011	BCR	C16-C17-C18-C19
17	f	4006	BCR	C11-C10-C9-C8
17	f	4006	BCR	C20-C21-C22-C23
17	j	4016	BCR	C12-C13-C14-C15
14	4	510	CLA	CAA-CBA-CGA-O2A
14	5	510	CLA	CAA-CBA-CGA-O1A
14	b	501	CLA	CAA-CBA-CGA-O1A
14	b	510	CLA	CAA-CBA-CGA-O2A
14	c	510	CLA	CAA-CBA-CGA-O1A
14	t	510	CLA	CAA-CBA-CGA-O2A
21	L	5216	SQD	O6-C44-C45-O47
21	V	5216	SQD	O6-C44-C45-O47
21	n	5216	SQD	O6-C44-C45-O47
18	A	5001	LHG	C24-C25-C26-C27
17	A	4008	BCR	C19-C20-C21-C22
17	G	4008	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
17	e	4008	BCR	C19-C20-C21-C22
14	4	501	CLA	CAA-CBA-CGA-O1A
14	d	519	CLA	CAA-CBA-CGA-O1A
14	t	501	CLA	CAA-CBA-CGA-O1A
14	A	1101	CLA	C15-C16-C17-C18
14	G	1101	CLA	C15-C16-C17-C18
14	e	1101	CLA	C15-C16-C17-C18
14	A	1124	CLA	O1A-CGA-O2A-C1
18	e	5001	LHG	C24-C25-C26-C27
14	B	1220	CLA	C6-C7-C8-C10
14	H	1220	CLA	C6-C7-C8-C10
18	I	5001	LHG	C30-C31-C32-C33
18	G	5001	LHG	C24-C25-C26-C27
18	k	5001	LHG	C30-C31-C32-C33
18	S	5001	LHG	C30-C31-C32-C33
14	1	510	CLA	CAA-CBA-CGA-O2A
14	3	519	CLA	CAA-CBA-CGA-O2A
14	4	512	CLA	CAA-CBA-CGA-O2A
14	6	519	CLA	CAA-CBA-CGA-O1A
14	Y	510	CLA	CAA-CBA-CGA-O2A
14	a	519	CLA	CAA-CBA-CGA-O2A
14	b	512	CLA	CAA-CBA-CGA-O2A
14	d	517	CLA	CAA-CBA-CGA-O2A
14	q	510	CLA	CAA-CBA-CGA-O2A
14	s	519	CLA	CAA-CBA-CGA-O2A
14	t	512	CLA	CAA-CBA-CGA-O1A
14	t	512	CLA	CAA-CBA-CGA-O2A
14	v	519	CLA	CAA-CBA-CGA-O1A
18	B	1842	LHG	C24-C25-C26-C27
18	H	1842	LHG	C24-C25-C26-C27
18	f	1842	LHG	C24-C25-C26-C27
14	B	1207	CLA	C2-C1-O2A-CGA
14	H	1207	CLA	C2-C1-O2A-CGA
14	f	1207	CLA	C2-C1-O2A-CGA
14	q	504	CLA	O1D-CGD-O2D-CED
14	A	1022	CLA	C2-C3-C5-C6
14	B	1224	CLA	C2-C3-C5-C6
14	H	1224	CLA	C2-C3-C5-C6
14	e	1022	CLA	C2-C3-C5-C6
14	f	1224	CLA	C2-C3-C5-C6
19	B	1843	LMU	C6-C7-C8-C9
19	H	1843	LMU	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
19	f	1843	LMU	C6-C7-C8-C9
14	4	512	CLA	CAA-CBA-CGA-O1A
14	6	517	CLA	CAA-CBA-CGA-O2A
14	Y	510	CLA	CAA-CBA-CGA-O1A
14	b	512	CLA	CAA-CBA-CGA-O1A
14	q	510	CLA	CAA-CBA-CGA-O1A
14	v	517	CLA	CAA-CBA-CGA-O2A
14	B	1202	CLA	CAA-CBA-CGA-O2A
14	e	1116	CLA	CAA-CBA-CGA-O2A
14	f	1202	CLA	CAA-CBA-CGA-O2A
14	f	1220	CLA	C6-C7-C8-C10
14	A	1103	CLA	C14-C13-C15-C16
14	B	1023	CLA	C11-C10-C8-C9
14	B	1204	CLA	C11-C10-C8-C9
14	B	1215	CLA	C14-C13-C15-C16
14	G	1103	CLA	C14-C13-C15-C16
14	H	1023	CLA	C11-C10-C8-C9
14	H	1204	CLA	C11-C10-C8-C9
14	H	1215	CLA	C14-C13-C15-C16
14	e	1103	CLA	C14-C13-C15-C16
14	f	1023	CLA	C11-C10-C8-C9
14	f	1204	CLA	C11-C10-C8-C9
14	f	1215	CLA	C14-C13-C15-C16
14	2	509	CLA	O1A-CGA-O2A-C1
14	Z	509	CLA	O1A-CGA-O2A-C1
14	r	509	CLA	O1A-CGA-O2A-C1
14	1	510	CLA	CAA-CBA-CGA-O1A
14	A	1116	CLA	CAA-CBA-CGA-O2A
14	2	518	CLA	CAA-CBA-CGA-O2A
14	H	1202	CLA	CAA-CBA-CGA-O2A
14	Z	518	CLA	CAA-CBA-CGA-O2A
14	r	518	CLA	CAA-CBA-CGA-O2A
18	A	5008	LHG	C9-C10-C11-C12
18	G	5008	LHG	C9-C10-C11-C12
18	e	5005	LHG	C30-C31-C32-C33
14	1	504	CLA	O1D-CGD-O2D-CED
18	A	5005	LHG	C30-C31-C32-C33
18	G	5005	LHG	C30-C31-C32-C33
18	e	5008	LHG	C9-C10-C11-C12
14	A	1013	CLA	C2A-CAA-CBA-CGA
14	G	1013	CLA	C2A-CAA-CBA-CGA
14	e	1013	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	H	1202	CLA	C16-C17-C18-C20
14	6	519	CLA	CAA-CBA-CGA-O2A
14	d	519	CLA	CAA-CBA-CGA-O2A
14	v	519	CLA	CAA-CBA-CGA-O2A
14	B	1236	CLA	O1A-CGA-O2A-C1
14	H	1236	CLA	O1A-CGA-O2A-C1
14	f	1236	CLA	O1A-CGA-O2A-C1
17	A	4001	BCR	C1-C6-C7-C8
17	A	4008	BCR	C1-C6-C7-C8
17	B	4014	BCR	C1-C6-C7-C8
17	B	4014	BCR	C5-C6-C7-C8
17	L	4022	BCR	C23-C24-C25-C30
17	L	4020	BCR	C23-C24-C25-C30
17	4	523	BCR	C1-C6-C7-C8
17	5	521	BCR	C1-C6-C7-C8
17	6	524	BCR	C1-C6-C7-C8
17	G	4001	BCR	C1-C6-C7-C8
17	G	4008	BCR	C1-C6-C7-C8
17	H	4014	BCR	C1-C6-C7-C8
17	V	4022	BCR	C23-C24-C25-C30
17	V	4020	BCR	C23-C24-C25-C30
17	b	523	BCR	C1-C6-C7-C8
17	c	521	BCR	C1-C6-C7-C8
17	d	524	BCR	C1-C6-C7-C8
17	d	524	BCR	C23-C24-C25-C30
17	e	4001	BCR	C1-C6-C7-C8
17	e	4008	BCR	C1-C6-C7-C8
17	f	4014	BCR	C1-C6-C7-C8
17	f	4014	BCR	C5-C6-C7-C8
17	n	4022	BCR	C23-C24-C25-C30
17	n	4020	BCR	C23-C24-C25-C30
17	t	523	BCR	C1-C6-C7-C8
17	u	521	BCR	C1-C6-C7-C8
17	v	524	BCR	C1-C6-C7-C8
14	Y	504	CLA	O1D-CGD-O2D-CED
14	G	1116	CLA	CAA-CBA-CGA-O2A
21	3	822	SQD	O6-C44-C45-C46
21	a	822	SQD	O6-C44-C45-C46
21	s	822	SQD	O6-C44-C45-C46
18	A	5007	LHG	O1-C1-C2-C3
18	G	5007	LHG	O1-C1-C2-C3
18	e	5007	LHG	O1-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
14	B	1228	CLA	O1A-CGA-O2A-C1
17	A	4011	BCR	C19-C20-C21-C22
17	1	522	BCR	C15-C16-C17-C18
17	4	521	BCR	C15-C16-C17-C18
17	G	4011	BCR	C19-C20-C21-C22
17	Y	522	BCR	C15-C16-C17-C18
17	b	521	BCR	C15-C16-C17-C18
17	e	4011	BCR	C19-C20-C21-C22
17	q	522	BCR	C15-C16-C17-C18
17	t	521	BCR	C15-C16-C17-C18
14	A	1106	CLA	C4-C3-C5-C6
14	G	1106	CLA	C4-C3-C5-C6
14	e	1106	CLA	C4-C3-C5-C6
17	B	4010	BCR	C11-C12-C13-C14
17	J	4015	BCR	C7-C8-C9-C10
17	2	523	BCR	C7-C8-C9-C10
17	H	4010	BCR	C11-C12-C13-C14
17	T	4015	BCR	C7-C8-C9-C10
17	Z	523	BCR	C7-C8-C9-C10
17	f	4010	BCR	C11-C12-C13-C14
17	l	4015	BCR	C7-C8-C9-C10
17	r	523	BCR	C7-C8-C9-C10
14	A	1107	CLA	C2-C3-C5-C6
14	B	1202	CLA	C2-C3-C5-C6
14	G	1107	CLA	C2-C3-C5-C6
14	H	1202	CLA	C2-C3-C5-C6
14	e	1107	CLA	C2-C3-C5-C6
14	f	1202	CLA	C2-C3-C5-C6
14	1	505	CLA	CAA-CBA-CGA-O2A
14	4	501	CLA	CAA-CBA-CGA-O2A
14	5	507	CLA	CAA-CBA-CGA-O2A
14	6	501	CLA	CAA-CBA-CGA-O2A
14	b	501	CLA	CAA-CBA-CGA-O2A
14	c	507	CLA	CAA-CBA-CGA-O2A
14	d	501	CLA	CAA-CBA-CGA-O2A
14	q	505	CLA	CAA-CBA-CGA-O2A
14	t	501	CLA	CAA-CBA-CGA-O2A
14	u	507	CLA	CAA-CBA-CGA-O2A
14	H	1201	CLA	C8-C10-C11-C12
18	A	5001	LHG	C19-C20-C21-C22
18	e	5001	LHG	C19-C20-C21-C22
14	B	1201	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	1	507	CLA	CAA-CBA-CGA-O2A
14	6	509	CLA	CAA-CBA-CGA-O2A
14	Y	505	CLA	CAA-CBA-CGA-O2A
14	Y	507	CLA	CAA-CBA-CGA-O2A
14	d	509	CLA	CAA-CBA-CGA-O2A
14	q	507	CLA	CAA-CBA-CGA-O2A
14	v	501	CLA	CAA-CBA-CGA-O2A
14	v	509	CLA	CAA-CBA-CGA-O2A
14	H	1228	CLA	O1A-CGA-O2A-C1
14	f	1228	CLA	O1A-CGA-O2A-C1
18	G	5001	LHG	C19-C20-C21-C22
14	B	1202	CLA	C16-C17-C18-C20
14	f	1202	CLA	C16-C17-C18-C20
18	A	5005	LHG	C26-C27-C28-C29
18	G	5005	LHG	C26-C27-C28-C29
18	e	5005	LHG	C26-C27-C28-C29
14	e	1129	CLA	O1D-CGD-O2D-CED
14	f	1201	CLA	C8-C10-C11-C12
18	L	5221	LHG	C23-C24-C25-C26
18	V	5221	LHG	C23-C24-C25-C26
18	n	5221	LHG	C23-C24-C25-C26
14	5	512	CLA	CAA-CBA-CGA-O2A
14	u	512	CLA	CAA-CBA-CGA-O2A
20	B	5002	LMG	C38-C39-C40-C41
14	G	1126	CLA	O1A-CGA-O2A-C1
20	H	5002	LMG	C38-C39-C40-C41
20	f	5002	LMG	C38-C39-C40-C41
14	2	507	CLA	CAA-CBA-CGA-O2A
14	2	510	CLA	CAA-CBA-CGA-O1A
14	4	513	CLA	CAA-CBA-CGA-O2A
14	Z	507	CLA	CAA-CBA-CGA-O2A
14	Z	510	CLA	CAA-CBA-CGA-O1A
14	b	513	CLA	CAA-CBA-CGA-O2A
14	c	512	CLA	CAA-CBA-CGA-O2A
14	r	507	CLA	CAA-CBA-CGA-O2A
14	t	513	CLA	CAA-CBA-CGA-O2A
14	G	1129	CLA	O1D-CGD-O2D-CED
14	A	1126	CLA	O1A-CGA-O2A-C1
14	e	1126	CLA	O1A-CGA-O2A-C1
14	B	1240	CLA	C4-C3-C5-C6
14	H	1240	CLA	C4-C3-C5-C6
14	f	1240	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	1129	CLA	O1D-CGD-O2D-CED
14	A	1101	CLA	C11-C10-C8-C7
14	B	1203	CLA	C11-C10-C8-C7
14	B	1205	CLA	C12-C13-C15-C16
14	B	1213	CLA	C6-C7-C8-C10
14	B	1229	CLA	C6-C7-C8-C10
14	L	1501	CLA	C11-C10-C8-C7
14	G	1101	CLA	C11-C10-C8-C7
14	H	1203	CLA	C11-C10-C8-C7
14	H	1205	CLA	C12-C13-C15-C16
14	H	1213	CLA	C6-C7-C8-C10
14	H	1229	CLA	C6-C7-C8-C10
14	V	1501	CLA	C11-C10-C8-C7
14	e	1101	CLA	C11-C10-C8-C7
14	f	1203	CLA	C11-C10-C8-C7
14	f	1205	CLA	C12-C13-C15-C16
14	f	1213	CLA	C6-C7-C8-C10
14	f	1229	CLA	C6-C7-C8-C10
14	n	1501	CLA	C11-C10-C8-C7
14	2	510	CLA	CAA-CBA-CGA-O2A
14	6	511	CLA	CAA-CBA-CGA-O2A
14	Z	510	CLA	CAA-CBA-CGA-O2A
14	d	511	CLA	CAA-CBA-CGA-O2A
14	r	510	CLA	CAA-CBA-CGA-O1A
14	r	510	CLA	CAA-CBA-CGA-O2A
14	s	519	CLA	CAA-CBA-CGA-O1A
14	v	511	CLA	CAA-CBA-CGA-O2A
21	H	1852	SQD	C26-C27-C28-C29
21	B	1852	SQD	C26-C27-C28-C29
17	6	521	BCR	C9-C10-C11-C12
17	d	521	BCR	C9-C10-C11-C12
17	v	521	BCR	C9-C10-C11-C12
14	3	519	CLA	CAA-CBA-CGA-O1A
21	f	1852	SQD	C26-C27-C28-C29
14	6	509	CLA	CAA-CBA-CGA-O1A
14	6	512	CLA	CAA-CBA-CGA-O2A
14	a	519	CLA	CAA-CBA-CGA-O1A
14	B	1203	CLA	CAA-CBA-CGA-O2A
14	H	1203	CLA	CAA-CBA-CGA-O2A
14	f	1203	CLA	CAA-CBA-CGA-O2A
14	1	508	CLA	C2A-CAA-CBA-CGA
14	Y	508	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	q	508	CLA	C2A-CAA-CBA-CGA
14	4	507	CLA	CAA-CBA-CGA-O2A
14	b	507	CLA	CAA-CBA-CGA-O2A
14	d	509	CLA	CAA-CBA-CGA-O1A
14	d	512	CLA	CAA-CBA-CGA-O2A
14	v	507	CLA	CAA-CBA-CGA-O2A
14	v	509	CLA	CAA-CBA-CGA-O1A
14	v	512	CLA	CAA-CBA-CGA-O2A
14	s	509	CLA	O1D-CGD-O2D-CED
14	A	1013	CLA	C4-C3-C5-C6
14	A	1126	CLA	C4-C3-C5-C6
14	A	1127	CLA	C4-C3-C5-C6
14	G	1013	CLA	C4-C3-C5-C6
14	G	1126	CLA	C4-C3-C5-C6
14	G	1127	CLA	C4-C3-C5-C6
14	e	1013	CLA	C4-C3-C5-C6
14	e	1126	CLA	C4-C3-C5-C6
14	e	1127	CLA	C4-C3-C5-C6
14	6	507	CLA	CAA-CBA-CGA-O2A
14	Y	516	CLA	CAA-CBA-CGA-O2A
14	d	507	CLA	CAA-CBA-CGA-O2A
14	t	507	CLA	CAA-CBA-CGA-O2A
14	3	505	CLA	C2-C3-C5-C6
14	a	505	CLA	C2-C3-C5-C6
14	s	505	CLA	C2-C3-C5-C6
14	H	1228	CLA	CBA-CGA-O2A-C1
14	A	1123	CLA	CAA-CBA-CGA-O2A
14	A	1138	CLA	C11-C12-C13-C14
14	B	1227	CLA	C6-C7-C8-C9
14	B	1235	CLA	C6-C7-C8-C9
14	2	505	CLA	C6-C7-C8-C9
14	2	505	CLA	C14-C13-C15-C16
14	G	1138	CLA	C11-C12-C13-C14
14	H	1227	CLA	C6-C7-C8-C9
14	H	1235	CLA	C6-C7-C8-C9
14	Z	505	CLA	C6-C7-C8-C9
14	Z	505	CLA	C14-C13-C15-C16
14	e	1138	CLA	C11-C12-C13-C14
14	f	1227	CLA	C6-C7-C8-C9
14	f	1235	CLA	C6-C7-C8-C9
14	r	505	CLA	C6-C7-C8-C9
14	r	505	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
18	L	5218	LHG	C9-C10-C11-C12
18	V	5218	LHG	C9-C10-C11-C12
14	1	512	CLA	CAA-CBA-CGA-O2A
14	4	519	CLA	CAA-CBA-CGA-O2A
14	Y	512	CLA	CAA-CBA-CGA-O2A
14	Y	513	CLA	CAA-CBA-CGA-O2A
14	b	519	CLA	CAA-CBA-CGA-O2A
14	q	512	CLA	CAA-CBA-CGA-O2A
14	t	519	CLA	CAA-CBA-CGA-O2A
18	n	5218	LHG	C9-C10-C11-C12
14	A	1111	CLA	C3A-C2A-CAA-CBA
14	4	516	CLA	C3A-C2A-CAA-CBA
14	G	1111	CLA	C3A-C2A-CAA-CBA
14	b	516	CLA	C3A-C2A-CAA-CBA
14	e	1111	CLA	C3A-C2A-CAA-CBA
14	t	516	CLA	C3A-C2A-CAA-CBA
14	3	509	CLA	O1D-CGD-O2D-CED
20	J	5104	LMG	O10-C28-O8-C9
20	T	5104	LMG	O10-C28-O8-C9
20	l	5104	LMG	O10-C28-O8-C9
14	G	1123	CLA	CAA-CBA-CGA-O2A
14	e	1123	CLA	CAA-CBA-CGA-O2A
14	1	509	CLA	CAA-CBA-CGA-O2A
14	1	513	CLA	CAA-CBA-CGA-O2A
14	1	516	CLA	CAA-CBA-CGA-O2A
14	1	517	CLA	CAA-CBA-CGA-O2A
14	2	512	CLA	CAA-CBA-CGA-O2A
14	3	507	CLA	CAA-CBA-CGA-O2A
14	6	504	CLA	CAA-CBA-CGA-O2A
14	Y	509	CLA	CAA-CBA-CGA-O2A
14	Z	512	CLA	CAA-CBA-CGA-O2A
14	a	507	CLA	CAA-CBA-CGA-O2A
14	d	516	CLA	CAA-CBA-CGA-O2A
14	q	509	CLA	CAA-CBA-CGA-O2A
14	q	513	CLA	CAA-CBA-CGA-O2A
14	q	516	CLA	CAA-CBA-CGA-O2A
14	q	517	CLA	CAA-CBA-CGA-O2A
14	r	512	CLA	CAA-CBA-CGA-O2A
14	s	507	CLA	CAA-CBA-CGA-O2A
14	v	504	CLA	CAA-CBA-CGA-O2A
14	A	1109	CLA	CAD-CBD-CGD-O2D
14	A	1114	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	A	1129	CLA	CAD-CBD-CGD-O2D
14	A	1138	CLA	CAD-CBD-CGD-O2D
14	B	1210	CLA	CAD-CBD-CGD-O2D
14	B	1229	CLA	CAD-CBD-CGD-O2D
14	1	507	CLA	CAD-CBD-CGD-O2D
14	1	509	CLA	CAD-CBD-CGD-O2D
14	1	519	CLA	CAD-CBD-CGD-O2D
14	2	501	CLA	CAD-CBD-CGD-O2D
14	2	502	CLA	CAD-CBD-CGD-O2D
14	2	508	CLA	CAD-CBD-CGD-O2D
14	3	502	CLA	CAD-CBD-CGD-O2D
14	4	505	CLA	CAD-CBD-CGD-O2D
14	4	510	CLA	CAD-CBD-CGD-O2D
14	5	502	CLA	CAD-CBD-CGD-O2D
14	5	505	CLA	CAD-CBD-CGD-O2D
14	5	509	CLA	CAD-CBD-CGD-O2D
14	6	501	CLA	CAD-CBD-CGD-O2D
14	6	504	CLA	CAD-CBD-CGD-O2D
14	6	507	CLA	CAD-CBD-CGD-O2D
14	G	1109	CLA	CAD-CBD-CGD-O2D
14	G	1114	CLA	CAD-CBD-CGD-O2D
14	G	1129	CLA	CAD-CBD-CGD-O2D
14	G	1138	CLA	CAD-CBD-CGD-O2D
14	H	1210	CLA	CAD-CBD-CGD-O2D
14	H	1229	CLA	CAD-CBD-CGD-O2D
14	Y	507	CLA	CAD-CBD-CGD-O2D
14	Y	509	CLA	CAD-CBD-CGD-O2D
14	Y	519	CLA	CAD-CBD-CGD-O2D
14	Z	501	CLA	CAD-CBD-CGD-O2D
14	Z	502	CLA	CAD-CBD-CGD-O2D
14	Z	508	CLA	CAD-CBD-CGD-O2D
14	a	502	CLA	CAD-CBD-CGD-O2D
14	b	505	CLA	CAD-CBD-CGD-O2D
14	b	510	CLA	CAD-CBD-CGD-O2D
14	c	502	CLA	CAD-CBD-CGD-O2D
14	c	505	CLA	CAD-CBD-CGD-O2D
14	c	509	CLA	CAD-CBD-CGD-O2D
14	d	501	CLA	CAD-CBD-CGD-O2D
14	d	504	CLA	CAD-CBD-CGD-O2D
14	d	507	CLA	CAD-CBD-CGD-O2D
14	e	1109	CLA	CAD-CBD-CGD-O2D
14	e	1114	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	e	1129	CLA	CAD-CBD-CGD-O2D
14	e	1138	CLA	CAD-CBD-CGD-O2D
14	f	1210	CLA	CAD-CBD-CGD-O2D
14	f	1229	CLA	CAD-CBD-CGD-O2D
14	q	507	CLA	CAD-CBD-CGD-O2D
14	q	509	CLA	CAD-CBD-CGD-O2D
14	q	519	CLA	CAD-CBD-CGD-O2D
14	r	501	CLA	CAD-CBD-CGD-O2D
14	r	502	CLA	CAD-CBD-CGD-O2D
14	r	508	CLA	CAD-CBD-CGD-O2D
14	r	509	CLA	CAD-CBD-CGD-O2D
14	s	502	CLA	CAD-CBD-CGD-O2D
14	t	505	CLA	CAD-CBD-CGD-O2D
14	t	510	CLA	CAD-CBD-CGD-O2D
14	u	502	CLA	CAD-CBD-CGD-O2D
14	u	505	CLA	CAD-CBD-CGD-O2D
14	u	509	CLA	CAD-CBD-CGD-O2D
14	v	501	CLA	CAD-CBD-CGD-O2D
14	v	504	CLA	CAD-CBD-CGD-O2D
14	v	507	CLA	CAD-CBD-CGD-O2D
14	A	1022	CLA	C16-C17-C18-C19
14	G	1022	CLA	C16-C17-C18-C19
14	e	1022	CLA	C16-C17-C18-C19
14	f	1215	CLA	C15-C16-C17-C18
14	A	1114	CLA	CAA-CBA-CGA-O2A
14	5	513	CLA	CAA-CBA-CGA-O2A
14	6	516	CLA	CAA-CBA-CGA-O2A
14	Y	517	CLA	CAA-CBA-CGA-O2A
14	c	513	CLA	CAA-CBA-CGA-O2A
14	d	504	CLA	CAA-CBA-CGA-O2A
14	e	1114	CLA	CAA-CBA-CGA-O2A
14	u	513	CLA	CAA-CBA-CGA-O2A
14	v	516	CLA	CAA-CBA-CGA-O2A
14	B	1206	CLA	CAA-CBA-CGA-O2A
14	H	1206	CLA	CAA-CBA-CGA-O2A
14	f	1206	CLA	CAA-CBA-CGA-O2A
14	B	1228	CLA	CBA-CGA-O2A-C1
14	f	1228	CLA	CBA-CGA-O2A-C1
14	a	509	CLA	O1D-CGD-O2D-CED
14	1	505	CLA	CAA-CBA-CGA-O1A
14	1	507	CLA	CAA-CBA-CGA-O1A
14	5	512	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	G	1114	CLA	CAA-CBA-CGA-O2A
14	Y	505	CLA	CAA-CBA-CGA-O1A
14	c	512	CLA	CAA-CBA-CGA-O1A
14	q	505	CLA	CAA-CBA-CGA-O1A
14	q	507	CLA	CAA-CBA-CGA-O1A
14	t	513	CLA	CAA-CBA-CGA-O1A
14	u	512	CLA	CAA-CBA-CGA-O1A
14	B	1215	CLA	C15-C16-C17-C18
14	A	1126	CLA	C2-C3-C5-C6
14	G	1126	CLA	C2-C3-C5-C6
14	e	1126	CLA	C2-C3-C5-C6
18	A	5002	LHG	O7-C7-C8-C9
18	L	5220	LHG	O8-C23-C24-C25
18	G	5002	LHG	O7-C7-C8-C9
18	V	5220	LHG	O8-C23-C24-C25
18	e	5002	LHG	O7-C7-C8-C9
17	1	524	BCR	C11-C12-C13-C14
17	6	521	BCR	C7-C8-C9-C10
17	Y	524	BCR	C11-C12-C13-C14
17	d	521	BCR	C7-C8-C9-C10
17	v	521	BCR	C7-C8-C9-C10
18	A	5009	LHG	C4-C5-C6-O8
18	G	5009	LHG	C4-C5-C6-O8
18	e	5009	LHG	C4-C5-C6-O8
14	F	1302	CLA	CAA-CBA-CGA-O2A
14	2	507	CLA	CAA-CBA-CGA-O1A
14	4	513	CLA	CAA-CBA-CGA-O1A
14	R	1302	CLA	CAA-CBA-CGA-O2A
14	Y	507	CLA	CAA-CBA-CGA-O1A
14	Z	507	CLA	CAA-CBA-CGA-O1A
14	b	513	CLA	CAA-CBA-CGA-O1A
14	c	517	CLA	CAA-CBA-CGA-O2A
14	d	511	CLA	CAA-CBA-CGA-O1A
14	j	1302	CLA	CAA-CBA-CGA-O2A
14	q	513	CLA	CAA-CBA-CGA-O1A
14	r	507	CLA	CAA-CBA-CGA-O1A
14	r	516	CLA	CAA-CBA-CGA-O2A
14	u	517	CLA	CAA-CBA-CGA-O2A
14	v	511	CLA	CAA-CBA-CGA-O1A
18	A	5001	LHG	O6-C4-C5-O7
18	G	5001	LHG	O6-C4-C5-O7
18	e	5001	LHG	O6-C4-C5-O7

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Mol	Chain	Res	Type	Atoms
14	A	1123	CLA	C8-C10-C11-C12
14	G	1123	CLA	C8-C10-C11-C12
14	H	1215	CLA	C15-C16-C17-C18
18	n	5220	LHG	O8-C23-C24-C25
20	B	5002	LMG	O7-C10-C11-C12
20	H	5002	LMG	O7-C10-C11-C12
20	f	5002	LMG	O7-C10-C11-C12
21	B	1852	SQD	O47-C7-C8-C9
21	H	1852	SQD	O47-C7-C8-C9
21	f	1852	SQD	O47-C7-C8-C9
14	1	513	CLA	CAA-CBA-CGA-O1A
14	2	516	CLA	CAA-CBA-CGA-O2A
14	3	501	CLA	CAA-CBA-CGA-O1A
14	5	507	CLA	CAA-CBA-CGA-O1A
14	5	517	CLA	CAA-CBA-CGA-O2A
14	6	511	CLA	CAA-CBA-CGA-O1A
14	Y	513	CLA	CAA-CBA-CGA-O1A
14	Z	516	CLA	CAA-CBA-CGA-O2A
14	c	507	CLA	CAA-CBA-CGA-O1A
14	s	501	CLA	CAA-CBA-CGA-O2A
14	v	501	CLA	CAA-CBA-CGA-O1A
14	H	1216	CLA	C8-C10-C11-C12
14	e	1123	CLA	C8-C10-C11-C12
14	f	1216	CLA	C8-C10-C11-C12
14	A	1125	CLA	O2A-C1-C2-C3
14	G	1125	CLA	O2A-C1-C2-C3
14	e	1125	CLA	O2A-C1-C2-C3
14	J	1302	CLA	C2A-CAA-CBA-CGA
14	T	1302	CLA	C2A-CAA-CBA-CGA
14	l	1302	CLA	C2A-CAA-CBA-CGA
14	B	1216	CLA	C8-C10-C11-C12
14	K	1401	CLA	CAA-CBA-CGA-O2A
14	U	1401	CLA	CAA-CBA-CGA-O2A
14	m	1401	CLA	CAA-CBA-CGA-O2A
18	A	5001	LHG	O8-C23-C24-C25
18	G	5001	LHG	O8-C23-C24-C25
18	e	5001	LHG	O8-C23-C24-C25
14	1	509	CLA	CAA-CBA-CGA-O1A
14	1	512	CLA	CAA-CBA-CGA-O1A
14	2	512	CLA	CAA-CBA-CGA-O1A
14	3	501	CLA	CAA-CBA-CGA-O2A
14	3	506	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	3	507	CLA	CAA-CBA-CGA-O1A
14	4	519	CLA	CAA-CBA-CGA-O1A
14	6	501	CLA	CAA-CBA-CGA-O1A
14	6	507	CLA	CAA-CBA-CGA-O1A
14	Y	509	CLA	CAA-CBA-CGA-O1A
14	Y	512	CLA	CAA-CBA-CGA-O1A
14	Z	512	CLA	CAA-CBA-CGA-O1A
14	a	501	CLA	CAA-CBA-CGA-O1A
14	a	501	CLA	CAA-CBA-CGA-O2A
14	a	506	CLA	CAA-CBA-CGA-O2A
14	a	507	CLA	CAA-CBA-CGA-O1A
14	b	519	CLA	CAA-CBA-CGA-O1A
14	d	501	CLA	CAA-CBA-CGA-O1A
14	d	507	CLA	CAA-CBA-CGA-O1A
14	q	509	CLA	CAA-CBA-CGA-O1A
14	q	512	CLA	CAA-CBA-CGA-O1A
14	r	512	CLA	CAA-CBA-CGA-O1A
14	s	501	CLA	CAA-CBA-CGA-O1A
14	s	506	CLA	CAA-CBA-CGA-O2A
14	t	519	CLA	CAA-CBA-CGA-O1A
14	u	507	CLA	CAA-CBA-CGA-O1A
14	v	507	CLA	CAA-CBA-CGA-O1A
18	A	5006	LHG	C10-C11-C12-C13
18	e	5006	LHG	C10-C11-C12-C13
14	A	1011	CLA	CHA-CBD-CGD-O2D
14	A	1106	CLA	CHA-CBD-CGD-O1D
14	A	1106	CLA	CHA-CBD-CGD-O2D
14	A	1111	CLA	CHA-CBD-CGD-O2D
14	A	1112	CLA	CHA-CBD-CGD-O1D
14	A	1112	CLA	CHA-CBD-CGD-O2D
14	A	1123	CLA	CHA-CBD-CGD-O2D
14	A	1127	CLA	CHA-CBD-CGD-O1D
14	A	1127	CLA	CHA-CBD-CGD-O2D
14	A	1128	CLA	CHA-CBD-CGD-O1D
14	A	1128	CLA	CHA-CBD-CGD-O2D
14	A	1134	CLA	CHA-CBD-CGD-O2D
14	B	1201	CLA	CHA-CBD-CGD-O2D
14	B	1212	CLA	CHA-CBD-CGD-O1D
14	B	1222	CLA	CHA-CBD-CGD-O1D
14	B	1222	CLA	CHA-CBD-CGD-O2D
14	B	1235	CLA	CHA-CBD-CGD-O2D
14	K	1103	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	L	1501	CLA	CHA-CBD-CGD-O1D
14	L	1501	CLA	CHA-CBD-CGD-O2D
14	1	517	CLA	CHA-CBD-CGD-O1D
14	1	518	CLA	CHA-CBD-CGD-O1D
14	1	518	CLA	CHA-CBD-CGD-O2D
14	2	504	CLA	CHA-CBD-CGD-O2D
14	2	507	CLA	CHA-CBD-CGD-O2D
14	2	517	CLA	CHA-CBD-CGD-O1D
14	2	517	CLA	CHA-CBD-CGD-O2D
14	2	519	CLA	CHA-CBD-CGD-O1D
14	3	506	CLA	CHA-CBD-CGD-O2D
14	3	517	CLA	CHA-CBD-CGD-O1D
14	3	517	CLA	CHA-CBD-CGD-O2D
14	3	518	CLA	CHA-CBD-CGD-O2D
14	3	519	CLA	CHA-CBD-CGD-O1D
14	4	503	CLA	CHA-CBD-CGD-O1D
14	4	503	CLA	CHA-CBD-CGD-O2D
14	4	506	CLA	CHA-CBD-CGD-O1D
14	4	512	CLA	CHA-CBD-CGD-O1D
14	4	517	CLA	CHA-CBD-CGD-O2D
14	5	507	CLA	CHA-CBD-CGD-O1D
14	5	507	CLA	CHA-CBD-CGD-O2D
14	5	512	CLA	CHA-CBD-CGD-O2D
14	6	502	CLA	CHA-CBD-CGD-O2D
14	6	511	CLA	CHA-CBD-CGD-O2D
14	6	512	CLA	CHA-CBD-CGD-O1D
14	6	516	CLA	CHA-CBD-CGD-O1D
14	6	519	CLA	CHA-CBD-CGD-O1D
14	G	1011	CLA	CHA-CBD-CGD-O2D
14	G	1106	CLA	CHA-CBD-CGD-O1D
14	G	1106	CLA	CHA-CBD-CGD-O2D
14	G	1111	CLA	CHA-CBD-CGD-O2D
14	G	1112	CLA	CHA-CBD-CGD-O1D
14	G	1112	CLA	CHA-CBD-CGD-O2D
14	G	1123	CLA	CHA-CBD-CGD-O2D
14	G	1127	CLA	CHA-CBD-CGD-O1D
14	G	1127	CLA	CHA-CBD-CGD-O2D
14	G	1128	CLA	CHA-CBD-CGD-O1D
14	G	1128	CLA	CHA-CBD-CGD-O2D
14	G	1134	CLA	CHA-CBD-CGD-O2D
14	H	1201	CLA	CHA-CBD-CGD-O2D
14	H	1212	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	H	1222	CLA	CHA-CBD-CGD-O1D
14	H	1222	CLA	CHA-CBD-CGD-O2D
14	H	1235	CLA	CHA-CBD-CGD-O2D
14	U	1103	CLA	CHA-CBD-CGD-O2D
14	V	1501	CLA	CHA-CBD-CGD-O1D
14	V	1501	CLA	CHA-CBD-CGD-O2D
14	Y	517	CLA	CHA-CBD-CGD-O1D
14	Y	518	CLA	CHA-CBD-CGD-O1D
14	Y	518	CLA	CHA-CBD-CGD-O2D
14	Z	504	CLA	CHA-CBD-CGD-O2D
14	Z	507	CLA	CHA-CBD-CGD-O2D
14	Z	517	CLA	CHA-CBD-CGD-O1D
14	Z	517	CLA	CHA-CBD-CGD-O2D
14	Z	519	CLA	CHA-CBD-CGD-O1D
14	a	506	CLA	CHA-CBD-CGD-O2D
14	a	517	CLA	CHA-CBD-CGD-O1D
14	a	517	CLA	CHA-CBD-CGD-O2D
14	a	518	CLA	CHA-CBD-CGD-O2D
14	a	519	CLA	CHA-CBD-CGD-O1D
14	b	503	CLA	CHA-CBD-CGD-O1D
14	b	503	CLA	CHA-CBD-CGD-O2D
14	b	506	CLA	CHA-CBD-CGD-O1D
14	b	512	CLA	CHA-CBD-CGD-O1D
14	b	517	CLA	CHA-CBD-CGD-O2D
14	c	507	CLA	CHA-CBD-CGD-O1D
14	c	507	CLA	CHA-CBD-CGD-O2D
14	c	512	CLA	CHA-CBD-CGD-O2D
14	d	502	CLA	CHA-CBD-CGD-O2D
14	d	511	CLA	CHA-CBD-CGD-O2D
14	d	512	CLA	CHA-CBD-CGD-O1D
14	d	516	CLA	CHA-CBD-CGD-O1D
14	d	519	CLA	CHA-CBD-CGD-O1D
14	e	1011	CLA	CHA-CBD-CGD-O2D
14	e	1106	CLA	CHA-CBD-CGD-O1D
14	e	1106	CLA	CHA-CBD-CGD-O2D
14	e	1111	CLA	CHA-CBD-CGD-O2D
14	e	1112	CLA	CHA-CBD-CGD-O1D
14	e	1112	CLA	CHA-CBD-CGD-O2D
14	e	1123	CLA	CHA-CBD-CGD-O2D
14	e	1127	CLA	CHA-CBD-CGD-O1D
14	e	1127	CLA	CHA-CBD-CGD-O2D
14	e	1128	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	e	1128	CLA	CHA-CBD-CGD-O2D
14	e	1134	CLA	CHA-CBD-CGD-O2D
14	f	1201	CLA	CHA-CBD-CGD-O2D
14	f	1212	CLA	CHA-CBD-CGD-O1D
14	f	1222	CLA	CHA-CBD-CGD-O1D
14	f	1222	CLA	CHA-CBD-CGD-O2D
14	f	1223	CLA	CHA-CBD-CGD-O2D
14	f	1235	CLA	CHA-CBD-CGD-O2D
14	m	1103	CLA	CHA-CBD-CGD-O2D
14	n	1501	CLA	CHA-CBD-CGD-O1D
14	n	1501	CLA	CHA-CBD-CGD-O2D
14	q	517	CLA	CHA-CBD-CGD-O1D
14	q	518	CLA	CHA-CBD-CGD-O1D
14	q	518	CLA	CHA-CBD-CGD-O2D
14	r	504	CLA	CHA-CBD-CGD-O2D
14	r	507	CLA	CHA-CBD-CGD-O2D
14	r	517	CLA	CHA-CBD-CGD-O1D
14	r	517	CLA	CHA-CBD-CGD-O2D
14	r	519	CLA	CHA-CBD-CGD-O1D
14	s	506	CLA	CHA-CBD-CGD-O2D
14	s	517	CLA	CHA-CBD-CGD-O1D
14	s	517	CLA	CHA-CBD-CGD-O2D
14	s	518	CLA	CHA-CBD-CGD-O2D
14	s	519	CLA	CHA-CBD-CGD-O1D
14	t	503	CLA	CHA-CBD-CGD-O1D
14	t	503	CLA	CHA-CBD-CGD-O2D
14	t	506	CLA	CHA-CBD-CGD-O1D
14	t	512	CLA	CHA-CBD-CGD-O1D
14	t	517	CLA	CHA-CBD-CGD-O2D
14	u	507	CLA	CHA-CBD-CGD-O1D
14	u	507	CLA	CHA-CBD-CGD-O2D
14	u	512	CLA	CHA-CBD-CGD-O2D
14	v	502	CLA	CHA-CBD-CGD-O2D
14	v	511	CLA	CHA-CBD-CGD-O2D
14	v	512	CLA	CHA-CBD-CGD-O1D
14	v	516	CLA	CHA-CBD-CGD-O1D
14	v	519	CLA	CHA-CBD-CGD-O1D
14	F	1302	CLA	CAA-CBA-CGA-O1A
14	4	507	CLA	CAA-CBA-CGA-O1A
14	5	517	CLA	CAA-CBA-CGA-O1A
14	R	1302	CLA	CAA-CBA-CGA-O1A
14	Z	516	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	b	507	CLA	CAA-CBA-CGA-O1A
14	c	513	CLA	CAA-CBA-CGA-O1A
14	c	517	CLA	CAA-CBA-CGA-O1A
14	d	504	CLA	CAA-CBA-CGA-O1A
14	j	1302	CLA	CAA-CBA-CGA-O1A
14	r	516	CLA	CAA-CBA-CGA-O1A
14	s	507	CLA	CAA-CBA-CGA-O1A
14	t	507	CLA	CAA-CBA-CGA-O1A
14	u	508	CLA	CAA-CBA-CGA-O2A
14	u	517	CLA	CAA-CBA-CGA-O1A
14	v	504	CLA	CAA-CBA-CGA-O1A
14	A	1106	CLA	CAA-CBA-CGA-O2A
14	A	1108	CLA	CAA-CBA-CGA-O2A
14	A	1120	CLA	CAA-CBA-CGA-O2A
14	A	1137	CLA	CAA-CBA-CGA-O2A
14	G	1106	CLA	CAA-CBA-CGA-O2A
14	G	1120	CLA	CAA-CBA-CGA-O2A
14	e	1106	CLA	CAA-CBA-CGA-O2A
14	e	1108	CLA	CAA-CBA-CGA-O2A
14	e	1120	CLA	CAA-CBA-CGA-O2A
18	G	5006	LHG	C10-C11-C12-C13
18	A	5003	LHG	O6-C4-C5-C6
18	G	5003	LHG	O6-C4-C5-C6
18	e	5003	LHG	O6-C4-C5-C6
14	2	516	CLA	CAA-CBA-CGA-O1A
14	4	509	CLA	CAA-CBA-CGA-O2A
14	5	513	CLA	CAA-CBA-CGA-O1A
14	6	504	CLA	CAA-CBA-CGA-O1A
14	b	509	CLA	CAA-CBA-CGA-O2A
14	t	509	CLA	CAA-CBA-CGA-O2A
14	u	513	CLA	CAA-CBA-CGA-O1A
19	G	1848	LMU	C7-C8-C9-C10
14	G	1108	CLA	CAA-CBA-CGA-O2A
14	G	1137	CLA	CAA-CBA-CGA-O2A
14	H	1221	CLA	CAA-CBA-CGA-O2A
14	e	1137	CLA	CAA-CBA-CGA-O2A
18	A	5006	LHG	O8-C23-C24-C25
18	G	5006	LHG	O8-C23-C24-C25
18	e	5006	LHG	O8-C23-C24-C25
19	e	1848	LMU	C7-C8-C9-C10
20	J	5104	LMG	O1-C7-C8-O7
20	T	5104	LMG	O1-C7-C8-O7

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Mol	Chain	Res	Type	Atoms
20	l	5104	LMG	O1-C7-C8-O7
21	4	822	SQD	O6-C44-C45-O47
21	b	822	SQD	O6-C44-C45-O47
21	t	822	SQD	O6-C44-C45-O47
19	A	1848	LMU	C7-C8-C9-C10
14	5	508	CLA	CAA-CBA-CGA-O2A
14	6	512	CLA	CAA-CBA-CGA-O1A
14	6	516	CLA	CAA-CBA-CGA-O1A
14	Y	516	CLA	CAA-CBA-CGA-O1A
14	c	508	CLA	CAA-CBA-CGA-O2A
14	v	512	CLA	CAA-CBA-CGA-O1A
14	A	1107	CLA	CAA-CBA-CGA-O2A
14	A	1135	CLA	CAA-CBA-CGA-O2A
14	A	1237	CLA	CAA-CBA-CGA-O2A
14	B	1221	CLA	CAA-CBA-CGA-O2A
14	G	1107	CLA	CAA-CBA-CGA-O2A
14	G	1135	CLA	CAA-CBA-CGA-O2A
14	G	1237	CLA	CAA-CBA-CGA-O2A
14	e	1107	CLA	CAA-CBA-CGA-O2A
14	e	1135	CLA	CAA-CBA-CGA-O2A
14	e	1237	CLA	CAA-CBA-CGA-O2A
14	f	1221	CLA	CAA-CBA-CGA-O2A
14	l	516	CLA	CAA-CBA-CGA-O1A
14	l	519	CLA	CAA-CBA-CGA-O2A
14	Y	519	CLA	CAA-CBA-CGA-O2A
14	d	512	CLA	CAA-CBA-CGA-O1A
14	q	516	CLA	CAA-CBA-CGA-O1A
14	q	519	CLA	CAA-CBA-CGA-O2A
14	v	516	CLA	CAA-CBA-CGA-O1A
14	4	516	CLA	CAA-CBA-CGA-O1A
14	t	516	CLA	CAA-CBA-CGA-O1A
18	B	1855	LHG	C16-C17-C18-C19
18	f	1855	LHG	C16-C17-C18-C19
14	A	1013	CLA	C12-C13-C15-C16
14	A	1126	CLA	C12-C13-C15-C16
14	A	1136	CLA	C12-C13-C15-C16
14	A	1137	CLA	C6-C7-C8-C10
14	A	1237	CLA	C6-C7-C8-C10
14	B	1204	CLA	C11-C10-C8-C7
14	6	505	CLA	C11-C12-C13-C15
14	G	1013	CLA	C12-C13-C15-C16
14	G	1126	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	G	1136	CLA	C12-C13-C15-C16
14	G	1137	CLA	C6-C7-C8-C10
14	G	1237	CLA	C6-C7-C8-C10
14	H	1204	CLA	C11-C10-C8-C7
14	d	505	CLA	C11-C12-C13-C15
14	e	1013	CLA	C12-C13-C15-C16
14	e	1126	CLA	C12-C13-C15-C16
14	e	1136	CLA	C12-C13-C15-C16
14	e	1137	CLA	C6-C7-C8-C10
14	e	1237	CLA	C6-C7-C8-C10
14	f	1204	CLA	C11-C10-C8-C7
14	v	505	CLA	C11-C12-C13-C15
18	H	1855	LHG	C16-C17-C18-C19
14	r	505	CLA	C13-C15-C16-C17
18	B	1842	LHG	O8-C23-C24-C25
18	H	1842	LHG	O8-C23-C24-C25
18	f	1842	LHG	O8-C23-C24-C25
14	b	516	CLA	CAA-CBA-CGA-O1A
14	d	516	CLA	CAA-CBA-CGA-O1A
14	A	1109	CLA	C6-C7-C8-C9
14	B	1207	CLA	C11-C12-C13-C14
14	6	505	CLA	C11-C12-C13-C14
14	H	1207	CLA	C11-C12-C13-C14
14	d	505	CLA	C11-C12-C13-C14
14	e	1109	CLA	C6-C7-C8-C9
14	f	1207	CLA	C11-C12-C13-C14
14	v	505	CLA	C11-C12-C13-C14
21	3	822	SQD	O48-C23-C24-C25
21	a	822	SQD	O48-C23-C24-C25
21	s	822	SQD	O48-C23-C24-C25
14	2	505	CLA	C13-C15-C16-C17
14	Z	505	CLA	C13-C15-C16-C17
18	G	5007	LHG	O9-C7-C8-C9
18	A	5006	LHG	C31-C32-C33-C34
18	L	5218	LHG	C33-C34-C35-C36
18	V	5218	LHG	C33-C34-C35-C36
18	e	5006	LHG	C31-C32-C33-C34
18	n	5218	LHG	C33-C34-C35-C36
14	l	517	CLA	CAA-CBA-CGA-O1A
14	q	517	CLA	CAA-CBA-CGA-O1A
14	A	1117	CLA	C2A-CAA-CBA-CGA
14	1	502	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	G	1117	CLA	C2A-CAA-CBA-CGA
14	Y	502	CLA	C2A-CAA-CBA-CGA
14	e	1117	CLA	C2A-CAA-CBA-CGA
14	q	502	CLA	C2A-CAA-CBA-CGA
18	A	5007	LHG	O9-C7-C8-C9
18	e	5007	LHG	O9-C7-C8-C9
18	G	5006	LHG	C31-C32-C33-C34
14	Y	517	CLA	CAA-CBA-CGA-O1A
14	B	1206	CLA	CAA-CBA-CGA-O1A
14	H	1206	CLA	CAA-CBA-CGA-O1A
14	f	1206	CLA	CAA-CBA-CGA-O1A
14	B	1220	CLA	C6-C7-C8-C9
14	H	1220	CLA	C6-C7-C8-C9
14	f	1220	CLA	C6-C7-C8-C9
21	B	1852	SQD	O48-C23-C24-C25
21	H	1852	SQD	O48-C23-C24-C25
21	f	1852	SQD	O48-C23-C24-C25
14	3	506	CLA	CAA-CBA-CGA-O1A
14	a	506	CLA	CAA-CBA-CGA-O1A
14	s	506	CLA	CAA-CBA-CGA-O1A
17	q	524	BCR	C11-C12-C13-C14
18	A	5001	LHG	C28-C29-C30-C31
18	G	5001	LHG	C28-C29-C30-C31
14	B	1204	CLA	CBA-CGA-O2A-C1
14	H	1204	CLA	CBA-CGA-O2A-C1
14	f	1204	CLA	CBA-CGA-O2A-C1
14	A	1107	CLA	C8-C10-C11-C12
14	G	1107	CLA	C8-C10-C11-C12
14	e	1107	CLA	C8-C10-C11-C12
14	A	1105	CLA	C1A-C2A-CAA-CBA
14	B	1012	CLA	C1A-C2A-CAA-CBA
14	B	1223	CLA	C1A-C2A-CAA-CBA
14	2	507	CLA	C1A-C2A-CAA-CBA
14	2	511	CLA	C1A-C2A-CAA-CBA
14	3	504	CLA	C1A-C2A-CAA-CBA
14	3	506	CLA	C1A-C2A-CAA-CBA
14	3	512	CLA	C1A-C2A-CAA-CBA
14	3	517	CLA	C1A-C2A-CAA-CBA
14	4	506	CLA	C1A-C2A-CAA-CBA
14	5	511	CLA	C1A-C2A-CAA-CBA
14	5	517	CLA	C1A-C2A-CAA-CBA
14	6	519	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	G	1105	CLA	C1A-C2A-CAA-CBA
14	H	1012	CLA	C1A-C2A-CAA-CBA
14	H	1223	CLA	C1A-C2A-CAA-CBA
14	Z	507	CLA	C1A-C2A-CAA-CBA
14	Z	511	CLA	C1A-C2A-CAA-CBA
14	a	504	CLA	C1A-C2A-CAA-CBA
14	a	506	CLA	C1A-C2A-CAA-CBA
14	a	512	CLA	C1A-C2A-CAA-CBA
14	a	517	CLA	C1A-C2A-CAA-CBA
14	b	506	CLA	C1A-C2A-CAA-CBA
14	c	511	CLA	C1A-C2A-CAA-CBA
14	c	517	CLA	C1A-C2A-CAA-CBA
14	d	519	CLA	C1A-C2A-CAA-CBA
14	e	1105	CLA	C1A-C2A-CAA-CBA
14	f	1012	CLA	C1A-C2A-CAA-CBA
14	f	1223	CLA	C1A-C2A-CAA-CBA
14	r	507	CLA	C1A-C2A-CAA-CBA
14	r	511	CLA	C1A-C2A-CAA-CBA
14	s	504	CLA	C1A-C2A-CAA-CBA
14	s	506	CLA	C1A-C2A-CAA-CBA
14	s	512	CLA	C1A-C2A-CAA-CBA
14	s	517	CLA	C1A-C2A-CAA-CBA
14	t	506	CLA	C1A-C2A-CAA-CBA
14	u	511	CLA	C1A-C2A-CAA-CBA
14	u	517	CLA	C1A-C2A-CAA-CBA
14	v	519	CLA	C1A-C2A-CAA-CBA
18	e	5001	LHG	C28-C29-C30-C31
14	G	1123	CLA	CAA-CBA-CGA-O1A
14	e	1123	CLA	CAA-CBA-CGA-O1A
14	f	1023	CLA	C8-C10-C11-C12
14	n	1502	CLA	C8-C10-C11-C12
14	2	518	CLA	C2-C1-O2A-CGA
14	Z	518	CLA	C2-C1-O2A-CGA
14	r	518	CLA	C2-C1-O2A-CGA
14	B	1023	CLA	C8-C10-C11-C12
14	L	1502	CLA	C8-C10-C11-C12
14	A	1123	CLA	CAA-CBA-CGA-O1A
18	A	5007	LHG	C17-C18-C19-C20
17	B	4009	BCR	C19-C20-C21-C22
21	6	822	SQD	O6-C44-C45-C46
21	d	822	SQD	O6-C44-C45-C46
21	v	822	SQD	O6-C44-C45-C46

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Mol	Chain	Res	Type	Atoms
18	G	5007	LHG	C17-C18-C19-C20
14	H	1023	CLA	C8-C10-C11-C12
14	V	1502	CLA	C8-C10-C11-C12
14	f	1023	CLA	C13-C15-C16-C17
18	e	5007	LHG	C17-C18-C19-C20
14	H	1203	CLA	CAA-CBA-CGA-O1A
18	A	5003	LHG	O9-C7-C8-C9
18	G	5003	LHG	O9-C7-C8-C9
18	e	5006	LHG	O10-C23-C24-C25
18	e	5003	LHG	O9-C7-C8-C9
14	H	1023	CLA	C13-C15-C16-C17
14	l	519	CLA	CAA-CBA-CGA-O1A
18	A	5008	LHG	O7-C7-C8-C9
18	G	5008	LHG	O7-C7-C8-C9
18	e	5008	LHG	O7-C7-C8-C9
14	A	1011	CLA	C8-C10-C11-C12
14	B	1023	CLA	C13-C15-C16-C17
14	e	1138	CLA	C15-C16-C17-C18
14	B	1203	CLA	CAA-CBA-CGA-O1A
14	B	1221	CLA	CAA-CBA-CGA-O1A
14	H	1221	CLA	CAA-CBA-CGA-O1A
14	f	1203	CLA	CAA-CBA-CGA-O1A
18	A	5006	LHG	O10-C23-C24-C25
18	G	5006	LHG	O10-C23-C24-C25
14	H	1204	CLA	O1A-CGA-O2A-C1
14	5	508	CLA	CAA-CBA-CGA-O1A
14	Y	519	CLA	CAA-CBA-CGA-O1A
14	b	509	CLA	CAA-CBA-CGA-O1A
14	c	508	CLA	CAA-CBA-CGA-O1A
14	t	509	CLA	CAA-CBA-CGA-O1A
14	u	508	CLA	CAA-CBA-CGA-O1A
14	G	1011	CLA	C8-C10-C11-C12
14	e	1011	CLA	C8-C10-C11-C12
18	A	5002	LHG	C3-O3-P-O5
18	A	5006	LHG	C3-O3-P-O5
18	A	5007	LHG	C3-O3-P-O5
18	A	5009	LHG	C4-O6-P-O5
18	A	5001	LHG	C3-O3-P-O5
18	A	5003	LHG	C3-O3-P-O5
18	B	1842	LHG	C4-O6-P-O5
18	I	5001	LHG	C4-O6-P-O4
18	I	5001	LHG	C4-O6-P-O5

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Mol	Chain	Res	Type	Atoms
18	G	5002	LHG	C3-O3-P-O5
18	G	5006	LHG	C3-O3-P-O5
18	G	5007	LHG	C3-O3-P-O5
18	G	5009	LHG	C4-O6-P-O5
18	G	5001	LHG	C3-O3-P-O5
18	G	5003	LHG	C3-O3-P-O5
18	H	1842	LHG	C4-O6-P-O5
18	S	5001	LHG	C4-O6-P-O4
18	S	5001	LHG	C4-O6-P-O5
18	e	5002	LHG	C3-O3-P-O5
18	e	5006	LHG	C3-O3-P-O5
18	e	5007	LHG	C3-O3-P-O5
18	e	5009	LHG	C4-O6-P-O5
18	e	5001	LHG	C3-O3-P-O5
18	e	5003	LHG	C3-O3-P-O5
18	f	1842	LHG	C4-O6-P-O5
18	k	5001	LHG	C4-O6-P-O4
18	k	5001	LHG	C4-O6-P-O5
14	A	1108	CLA	CAA-CBA-CGA-O1A
14	A	1120	CLA	CAA-CBA-CGA-O1A
14	K	1401	CLA	CAA-CBA-CGA-O1A
14	G	1120	CLA	CAA-CBA-CGA-O1A
14	U	1401	CLA	CAA-CBA-CGA-O1A
14	e	1108	CLA	CAA-CBA-CGA-O1A
14	e	1120	CLA	CAA-CBA-CGA-O1A
14	f	1221	CLA	CAA-CBA-CGA-O1A
14	m	1401	CLA	CAA-CBA-CGA-O1A
18	A	5007	LHG	O7-C7-C8-C9
18	G	5007	LHG	O7-C7-C8-C9
18	e	5007	LHG	O7-C7-C8-C9
20	J	5104	LMG	O6-C1-O1-C7
20	T	5104	LMG	O6-C1-O1-C7
20	l	5104	LMG	O6-C1-O1-C7
14	A	1138	CLA	C15-C16-C17-C18
14	f	1204	CLA	O1A-CGA-O2A-C1
14	4	509	CLA	CAA-CBA-CGA-O1A
14	q	519	CLA	CAA-CBA-CGA-O1A
17	A	4008	BCR	C5-C6-C7-C8
17	6	524	BCR	C23-C24-C25-C30
17	G	4008	BCR	C5-C6-C7-C8
17	H	4014	BCR	C5-C6-C7-C8
17	e	4008	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	v	524	BCR	C23-C24-C25-C30
14	A	1123	CLA	C10-C11-C12-C13
14	B	1021	CLA	C13-C15-C16-C17
14	G	1123	CLA	C10-C11-C12-C13
14	G	1138	CLA	C15-C16-C17-C18
14	H	1021	CLA	C13-C15-C16-C17
14	e	1123	CLA	C10-C11-C12-C13
14	f	1021	CLA	C13-C15-C16-C17
14	G	1108	CLA	CAA-CBA-CGA-O1A
14	B	1204	CLA	O1A-CGA-O2A-C1
14	v	508	CLA	O1D-CGD-O2D-CED
20	B	5002	LMG	O8-C28-C29-C30
20	H	5002	LMG	O8-C28-C29-C30
21	L	5216	SQD	O47-C7-C8-C9
21	V	5216	SQD	O47-C7-C8-C9
21	n	5216	SQD	O47-C7-C8-C9
14	d	518	CLA	CAA-CBA-CGA-O1A
14	v	518	CLA	CAA-CBA-CGA-O1A
14	L	1501	CLA	C11-C12-C13-C14
14	V	1501	CLA	C11-C12-C13-C14
14	n	1501	CLA	C11-C12-C13-C14
18	I	5001	LHG	C26-C27-C28-C29
18	e	5006	LHG	C33-C34-C35-C36
14	A	1106	CLA	CAA-CBA-CGA-O1A
14	A	1237	CLA	CAA-CBA-CGA-O1A
14	G	1237	CLA	CAA-CBA-CGA-O1A
14	e	1237	CLA	CAA-CBA-CGA-O1A
20	B	5002	LMG	O10-C28-C29-C30
20	H	5002	LMG	O10-C28-C29-C30
20	f	5002	LMG	O10-C28-C29-C30
18	A	5006	LHG	C33-C34-C35-C36
18	k	5001	LHG	C26-C27-C28-C29
18	G	5006	LHG	C33-C34-C35-C36
18	S	5001	LHG	C26-C27-C28-C29
14	A	1114	CLA	CAA-CBA-CGA-O1A
14	G	1114	CLA	CAA-CBA-CGA-O1A
14	e	1114	CLA	CAA-CBA-CGA-O1A
18	A	5006	LHG	O7-C7-C8-C9
18	G	5006	LHG	O7-C7-C8-C9
20	f	5002	LMG	O8-C28-C29-C30
14	6	508	CLA	O1D-CGD-O2D-CED
14	G	1106	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	e	1106	CLA	CAA-CBA-CGA-O1A
17	H	4009	BCR	C19-C20-C21-C22
17	f	4009	BCR	C19-C20-C21-C22
14	d	508	CLA	O1D-CGD-O2D-CED
14	4	516	CLA	CAA-CBA-CGA-O2A
14	6	518	CLA	CAA-CBA-CGA-O1A
14	b	516	CLA	CAA-CBA-CGA-O2A
14	A	1011	CLA	CAD-CBD-CGD-O1D
14	A	1132	CLA	CAD-CBD-CGD-O1D
14	A	1135	CLA	CAD-CBD-CGD-O1D
14	B	1210	CLA	CAD-CBD-CGD-O1D
14	B	1212	CLA	CAD-CBD-CGD-O1D
14	L	1501	CLA	CAD-CBD-CGD-O1D
14	1	517	CLA	CAD-CBD-CGD-O1D
14	4	504	CLA	CAD-CBD-CGD-O1D
14	6	504	CLA	CAD-CBD-CGD-O1D
14	6	516	CLA	CAD-CBD-CGD-O1D
14	G	1011	CLA	CAD-CBD-CGD-O1D
14	G	1132	CLA	CAD-CBD-CGD-O1D
14	G	1135	CLA	CAD-CBD-CGD-O1D
14	H	1210	CLA	CAD-CBD-CGD-O1D
14	H	1212	CLA	CAD-CBD-CGD-O1D
14	V	1501	CLA	CAD-CBD-CGD-O1D
14	Y	517	CLA	CAD-CBD-CGD-O1D
14	b	504	CLA	CAD-CBD-CGD-O1D
14	d	504	CLA	CAD-CBD-CGD-O1D
14	d	511	CLA	CAD-CBD-CGD-O1D
14	d	516	CLA	CAD-CBD-CGD-O1D
14	e	1011	CLA	CAD-CBD-CGD-O1D
14	e	1132	CLA	CAD-CBD-CGD-O1D
14	e	1135	CLA	CAD-CBD-CGD-O1D
14	f	1210	CLA	CAD-CBD-CGD-O1D
14	f	1212	CLA	CAD-CBD-CGD-O1D
14	n	1501	CLA	CAD-CBD-CGD-O1D
14	q	517	CLA	CAD-CBD-CGD-O1D
14	t	504	CLA	CAD-CBD-CGD-O1D
14	v	504	CLA	CAD-CBD-CGD-O1D
14	v	516	CLA	CAD-CBD-CGD-O1D
14	A	1103	CLA	CAA-CBA-CGA-O2A
14	2	501	CLA	CAA-CBA-CGA-O2A
14	G	1103	CLA	CAA-CBA-CGA-O2A
14	Z	501	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	e	1103	CLA	CAA-CBA-CGA-O2A
14	r	501	CLA	CAA-CBA-CGA-O2A
18	e	5006	LHG	O7-C7-C8-C9
18	f	1855	LHG	O7-C7-C8-C9
14	B	1229	CLA	C10-C11-C12-C13
14	H	1229	CLA	C10-C11-C12-C13
14	f	1229	CLA	C10-C11-C12-C13
14	A	1013	CLA	C11-C12-C13-C14
14	A	1111	CLA	C14-C13-C15-C16
14	A	1119	CLA	C14-C13-C15-C16
14	A	1136	CLA	C11-C10-C8-C9
14	A	1136	CLA	C14-C13-C15-C16
14	G	1013	CLA	C11-C12-C13-C14
14	G	1109	CLA	C6-C7-C8-C9
14	G	1111	CLA	C14-C13-C15-C16
14	G	1136	CLA	C11-C10-C8-C9
14	G	1136	CLA	C14-C13-C15-C16
14	e	1013	CLA	C11-C12-C13-C14
14	e	1111	CLA	C14-C13-C15-C16
14	e	1119	CLA	C14-C13-C15-C16
14	e	1136	CLA	C11-C10-C8-C9
14	e	1136	CLA	C14-C13-C15-C16
14	t	516	CLA	CAA-CBA-CGA-O2A
14	A	1135	CLA	CAA-CBA-CGA-O1A
14	G	1135	CLA	CAA-CBA-CGA-O1A
14	e	1135	CLA	CAA-CBA-CGA-O1A
18	B	1855	LHG	O7-C7-C8-C9
18	H	1855	LHG	O7-C7-C8-C9
14	A	1110	CLA	CAA-CBA-CGA-O2A
14	A	1111	CLA	CAA-CBA-CGA-O2A
14	A	1115	CLA	CAA-CBA-CGA-O2A
14	B	1213	CLA	CAA-CBA-CGA-O2A
14	G	1110	CLA	CAA-CBA-CGA-O2A
14	G	1111	CLA	CAA-CBA-CGA-O2A
14	G	1115	CLA	CAA-CBA-CGA-O2A
14	e	1110	CLA	CAA-CBA-CGA-O2A
14	e	1111	CLA	CAA-CBA-CGA-O2A
14	e	1115	CLA	CAA-CBA-CGA-O2A
14	f	1213	CLA	CAA-CBA-CGA-O2A
14	l	518	CLA	CAA-CBA-CGA-O2A
14	Y	518	CLA	CAA-CBA-CGA-O2A
14	q	518	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	A	1118	CLA	C3A-C2A-CAA-CBA
14	A	1119	CLA	C12-C13-C15-C16
14	A	1125	CLA	C11-C12-C13-C15
14	B	1201	CLA	C6-C7-C8-C10
14	B	1215	CLA	C11-C12-C13-C15
14	B	1215	CLA	C12-C13-C15-C16
14	B	1229	CLA	C11-C10-C8-C7
14	B	1207	CLA	C11-C12-C13-C15
14	B	1230	CLA	C11-C10-C8-C7
14	5	518	CLA	C3A-C2A-CAA-CBA
14	G	1118	CLA	C3A-C2A-CAA-CBA
14	G	1119	CLA	C12-C13-C15-C16
14	G	1125	CLA	C11-C12-C13-C15
14	H	1201	CLA	C6-C7-C8-C10
14	H	1215	CLA	C11-C12-C13-C15
14	H	1215	CLA	C12-C13-C15-C16
14	H	1207	CLA	C11-C12-C13-C15
14	H	1230	CLA	C11-C10-C8-C7
14	c	518	CLA	C3A-C2A-CAA-CBA
14	e	1118	CLA	C3A-C2A-CAA-CBA
14	e	1119	CLA	C12-C13-C15-C16
14	e	1125	CLA	C11-C12-C13-C15
14	f	1201	CLA	C6-C7-C8-C10
14	f	1215	CLA	C11-C12-C13-C15
14	f	1215	CLA	C12-C13-C15-C16
14	f	1207	CLA	C11-C12-C13-C15
14	f	1230	CLA	C11-C10-C8-C7
14	u	518	CLA	C3A-C2A-CAA-CBA
14	A	1107	CLA	CAA-CBA-CGA-O1A
14	G	1107	CLA	CAA-CBA-CGA-O1A
14	G	1137	CLA	CAA-CBA-CGA-O1A
14	e	1137	CLA	CAA-CBA-CGA-O1A
18	A	5007	LHG	O10-C23-C24-C25
18	G	5007	LHG	O10-C23-C24-C25
18	e	5007	LHG	O10-C23-C24-C25
14	A	1013	CLA	CAA-CBA-CGA-O2A
14	G	1013	CLA	CAA-CBA-CGA-O2A
14	H	1213	CLA	CAA-CBA-CGA-O2A
14	s	509	CLA	CBD-CGD-O2D-CED
18	e	5009	LHG	C12-C13-C14-C15
17	A	4011	BCR	C7-C8-C9-C10
17	1	521	BCR	C17-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
17	G	4011	BCR	C7-C8-C9-C10
17	Y	521	BCR	C17-C18-C19-C20
17	e	4011	BCR	C7-C8-C9-C10
17	q	521	BCR	C17-C18-C19-C20
14	A	1137	CLA	CAA-CBA-CGA-O1A
14	e	1107	CLA	CAA-CBA-CGA-O1A
17	2	522	BCR	C15-C16-C17-C18
17	2	524	BCR	C9-C10-C11-C12
17	5	521	BCR	C9-C10-C11-C12
17	Z	522	BCR	C15-C16-C17-C18
17	Z	524	BCR	C9-C10-C11-C12
17	c	521	BCR	C9-C10-C11-C12
17	r	522	BCR	C15-C16-C17-C18
17	r	524	BCR	C9-C10-C11-C12
17	u	521	BCR	C9-C10-C11-C12
18	A	5009	LHG	C12-C13-C14-C15
18	G	5009	LHG	C12-C13-C14-C15
19	A	1849	LMU	C2-C1-O1'-C1'
19	G	1849	LMU	C2-C1-O1'-C1'
19	e	1849	LMU	C2-C1-O1'-C1'
14	A	1111	CLA	CAA-CBA-CGA-O1A
14	G	1111	CLA	CAA-CBA-CGA-O1A
14	e	1111	CLA	CAA-CBA-CGA-O1A
14	e	1125	CLA	CAA-CBA-CGA-O1A
20	J	5104	LMG	O10-C28-C29-C30
20	l	5104	LMG	O10-C28-C29-C30
14	3	509	CLA	CBD-CGD-O2D-CED
14	a	509	CLA	CBD-CGD-O2D-CED
14	A	1125	CLA	CAA-CBA-CGA-O2A
14	G	1125	CLA	CAA-CBA-CGA-O2A
14	e	1013	CLA	CAA-CBA-CGA-O2A
14	e	1125	CLA	CAA-CBA-CGA-O2A
14	A	1125	CLA	CAA-CBA-CGA-O1A
14	G	1125	CLA	CAA-CBA-CGA-O1A
14	2	504	CLA	C2A-CAA-CBA-CGA
14	3	513	CLA	C2A-CAA-CBA-CGA
14	Z	504	CLA	C2A-CAA-CBA-CGA
14	a	513	CLA	C2A-CAA-CBA-CGA
14	r	504	CLA	C2A-CAA-CBA-CGA
14	s	513	CLA	C2A-CAA-CBA-CGA
14	G	1105	CLA	C5-C6-C7-C8
14	G	1237	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	e	1237	CLA	C13-C15-C16-C17
14	A	1115	CLA	CAA-CBA-CGA-O1A
14	G	1013	CLA	CAA-CBA-CGA-O1A
14	G	1115	CLA	CAA-CBA-CGA-O1A
20	T	5104	LMG	O10-C28-C29-C30
14	A	1131	CLA	C4-C3-C5-C6
14	G	1131	CLA	C4-C3-C5-C6
14	e	1131	CLA	C4-C3-C5-C6
14	K	1105	CLA	CAA-CBA-CGA-O2A
14	3	510	CLA	CAA-CBA-CGA-O1A
14	U	1105	CLA	CAA-CBA-CGA-O2A
14	a	510	CLA	CAA-CBA-CGA-O1A
14	m	1105	CLA	CAA-CBA-CGA-O2A
14	s	510	CLA	CAA-CBA-CGA-O1A

There are no ring outliers.

402 monomers are involved in 1033 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	1	512	CLA	4	0
14	G	1117	CLA	5	0
17	4	521	BCR	2	0
14	2	503	CLA	3	0
17	H	4014	BCR	5	0
14	B	1211	CLA	1	0
18	H	1842	LHG	3	0
14	G	1022	CLA	2	0
14	3	512	CLA	5	0
18	A	5004	LHG	3	0
14	3	502	CLA	5	0
14	H	1218	CLA	3	0
14	A	1128	CLA	7	0
14	A	1111	CLA	2	0
14	6	502	CLA	2	0
14	B	1214	CLA	3	0
18	A	5003	LHG	2	0
14	4	503	CLA	1	0
14	G	1114	CLA	1	0
14	H	1235	CLA	4	0
14	Z	519	CLA	1	0
18	V	5218	LHG	2	0
17	2	524	BCR	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	F	1302	CLA	3	0
14	B	1204	CLA	5	0
14	A	1115	CLA	2	0
17	J	4013	BCR	6	0
14	B	1239	CLA	5	0
14	3	510	CLA	3	0
14	H	1201	CLA	3	0
14	H	1224	CLA	4	0
14	H	1212	CLA	1	0
14	B	1240	CLA	4	0
14	B	1205	CLA	3	0
14	G	1013	CLA	8	0
14	G	1120	CLA	2	0
14	H	1230	CLA	3	0
14	G	1128	CLA	7	0
14	Y	510	CLA	1	0
14	B	1202	CLA	2	0
14	2	510	CLA	2	0
14	Z	503	CLA	3	0
14	1	510	CLA	1	0
18	G	5008	LHG	8	0
14	G	1134	CLA	2	0
19	G	1849	LMU	1	0
14	L	1501	CLA	5	0
14	A	1104	CLA	6	0
17	H	4006	BCR	4	0
14	L	1502	CLA	4	0
14	H	1204	CLA	4	0
14	A	1122	CLA	2	0
14	A	1135	CLA	2	0
17	Z	524	BCR	5	0
14	2	511	CLA	2	0
17	4	522	BCR	1	0
18	G	5004	LHG	2	0
17	R	4016	BCR	6	0
14	A	1137	CLA	5	0
14	3	503	CLA	1	0
14	A	1118	CLA	2	0
14	3	509	CLA	1	0
17	A	4002	BCR	5	0
14	B	1021	CLA	3	0
14	H	1012	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	U	1401	CLA	1	0
14	6	506	CLA	2	0
14	A	1133	CLA	2	0
17	J	4015	BCR	6	0
14	B	1216	CLA	5	0
14	Z	502	CLA	3	0
17	1	522	BCR	2	0
14	Z	511	CLA	2	0
17	H	4017	BCR	3	0
14	A	1132	CLA	1	0
14	B	1223	CLA	4	0
14	Y	512	CLA	4	0
17	W	4021	BCR	3	0
14	G	1140	CLA	3	0
14	H	1220	CLA	3	0
17	L	4020	BCR	2	0
14	5	513	CLA	2	0
14	T	1303	CLA	3	0
14	G	1122	CLA	3	0
14	H	1202	CLA	3	0
14	2	509	CLA	3	0
17	G	4007	BCR	3	0
21	H	1852	SQD	9	0
17	V	4020	BCR	2	0
14	B	1201	CLA	3	0
17	M	4021	BCR	2	0
17	G	4002	BCR	2	0
21	3	822	SQD	2	0
14	Z	510	CLA	2	0
14	6	505	CLA	5	0
17	H	4010	BCR	7	0
14	G	1133	CLA	2	0
14	B	1236	CLA	4	0
14	2	502	CLA	3	0
14	A	1124	CLA	3	0
14	B	1234	CLA	6	0
14	R	1301	CLA	1	0
17	G	4001	BCR	3	0
14	B	1227	CLA	4	0
17	2	521	BCR	7	0
14	4	511	CLA	3	0
14	Y	516	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A	1107	CLA	2	0
14	G	1104	CLA	6	0
14	2	505	CLA	5	0
14	5	506	CLA	4	0
14	A	1237	CLA	8	0
14	A	1106	CLA	6	0
14	G	1129	CLA	6	0
14	4	513	CLA	2	0
14	4	507	CLA	1	0
14	U	1105	CLA	2	0
18	A	5008	LHG	7	0
14	G	1137	CLA	5	0
14	A	1101	CLA	5	0
14	J	1303	CLA	3	0
14	1	516	CLA	6	0
17	G	4008	BCR	4	0
14	A	1136	CLA	3	0
14	B	1230	CLA	2	0
17	S	4018	BCR	3	0
14	T	1302	CLA	1	0
18	G	5001	LHG	5	0
18	A	5009	LHG	3	0
14	H	1219	CLA	3	0
18	G	5003	LHG	2	0
14	6	510	CLA	2	0
17	5	521	BCR	3	0
17	H	4004	BCR	5	0
14	A	1129	CLA	6	0
14	B	1215	CLA	3	0
14	A	1108	CLA	2	0
14	Z	509	CLA	3	0
17	T	4012	BCR	4	0
14	Y	513	CLA	2	0
17	L	4022	BCR	6	0
19	B	1843	LMU	1	0
14	A	1103	CLA	5	0
17	G	4011	BCR	5	0
17	3	521	BCR	1	0
14	H	1228	CLA	1	0
14	A	1120	CLA	2	0
14	2	518	CLA	2	0
14	5	510	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	B	4017	BCR	4	0
14	G	1101	CLA	5	0
17	T	4013	BCR	6	0
14	H	1208	CLA	5	0
14	2	501	CLA	2	0
17	6	523	BCR	4	0
14	6	517	CLA	2	0
14	G	1108	CLA	2	0
14	H	1023	CLA	4	0
14	G	1119	CLA	9	0
14	Y	502	CLA	2	0
17	V	4019	BCR	4	0
18	A	5007	LHG	2	0
14	H	1203	CLA	2	0
14	G	1124	CLA	3	0
17	V	4022	BCR	8	0
14	B	1226	CLA	5	0
14	B	1208	CLA	6	0
17	B	4009	BCR	3	0
14	Z	505	CLA	5	0
14	1	502	CLA	2	0
14	G	1112	CLA	1	0
14	H	1209	CLA	2	0
17	A	4011	BCR	4	0
18	A	5002	LHG	1	0
17	5	523	BCR	2	0
14	G	1237	CLA	8	0
14	G	1106	CLA	6	0
21	V	5216	SQD	6	0
14	2	512	CLA	5	0
14	6	518	CLA	1	0
14	1	505	CLA	5	0
14	Z	501	CLA	2	0
17	A	4008	BCR	6	0
18	G	5007	LHG	2	0
14	A	1011	CLA	4	0
17	4	523	BCR	2	0
14	B	1231	CLA	3	0
14	4	517	CLA	1	0
17	3	523	BCR	2	0
14	B	1222	CLA	1	0
14	2	519	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A	1130	CLA	4	0
14	A	1125	CLA	3	0
19	H	1843	LMU	1	0
14	6	519	CLA	1	0
14	H	1223	CLA	4	0
18	G	5009	LHG	3	0
14	B	1220	CLA	3	0
17	F	4016	BCR	6	0
14	Z	518	CLA	2	0
14	H	1215	CLA	4	0
14	G	1103	CLA	5	0
14	Y	505	CLA	7	0
14	B	1203	CLA	2	0
17	2	523	BCR	2	0
14	A	1121	CLA	4	0
17	6	524	BCR	4	0
17	A	4003	BCR	1	0
20	T	5104	LMG	1	0
14	B	1218	CLA	3	0
18	G	5002	LHG	1	0
15	A	2001	PQN	4	0
14	Z	512	CLA	6	0
14	G	1135	CLA	2	0
14	H	1231	CLA	3	0
14	B	1229	CLA	8	0
14	H	1222	CLA	2	0
17	Z	523	BCR	2	0
14	1	509	CLA	2	0
14	4	516	CLA	2	0
15	B	2002	PQN	4	0
14	4	508	CLA	1	0
14	B	1012	CLA	5	0
14	G	1123	CLA	3	0
14	6	511	CLA	3	0
14	3	504	CLA	1	0
17	2	522	BCR	2	0
14	A	1127	CLA	1	0
18	H	1855	LHG	3	0
14	G	1011	CLA	5	0
17	B	4014	BCR	7	0
14	B	1219	CLA	3	0
17	G	4003	BCR	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
18	B	1842	LHG	3	0
14	5	512	CLA	4	0
14	G	1130	CLA	5	0
14	6	513	CLA	3	0
14	B	1209	CLA	2	0
14	J	1302	CLA	1	0
14	B	1217	CLA	2	0
14	3	517	CLA	1	0
14	B	1224	CLA	4	0
14	A	1119	CLA	7	0
18	A	5005	LHG	7	0
14	H	1216	CLA	6	0
15	G	2001	PQN	3	0
17	Y	524	BCR	6	0
14	G	1126	CLA	10	0
21	Y	822	SQD	1	0
14	H	1021	CLA	4	0
20	H	5002	LMG	6	0
14	4	512	CLA	2	0
14	A	1113	CLA	1	0
17	1	524	BCR	6	0
18	L	5218	LHG	2	0
14	A	1112	CLA	1	0
18	A	5001	LHG	5	0
14	G	1113	CLA	1	0
14	H	1238	CLA	1	0
17	H	4005	BCR	3	0
17	T	4015	BCR	5	0
14	G	1111	CLA	2	0
14	R	1302	CLA	3	0
14	A	1110	CLA	2	0
17	3	524	BCR	1	0
14	B	1023	CLA	2	0
14	5	502	CLA	2	0
14	Y	518	CLA	1	0
14	1	507	CLA	1	0
17	L	4019	BCR	4	0
14	K	1105	CLA	2	0
14	G	1107	CLA	2	0
14	G	1102	CLA	1	0
14	H	1236	CLA	5	0
14	1	504	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	K	1401	CLA	1	0
14	5	505	CLA	1	0
14	2	506	CLA	2	0
19	G	1848	LMU	2	0
17	Z	522	BCR	2	0
14	Y	509	CLA	2	0
18	V	5220	LHG	4	0
14	G	1121	CLA	4	0
14	G	1136	CLA	4	0
18	L	5220	LHG	4	0
14	G	1139	CLA	1	0
14	G	1110	CLA	1	0
14	6	509	CLA	1	0
14	3	505	CLA	2	0
14	Y	519	CLA	1	0
14	4	510	CLA	3	0
14	A	1131	CLA	3	0
14	G	1109	CLA	2	0
14	H	1217	CLA	1	0
14	G	1127	CLA	1	0
14	4	502	CLA	4	0
14	H	1205	CLA	3	0
14	B	1207	CLA	10	0
17	Y	521	BCR	6	0
17	3	522	BCR	1	0
17	6	522	BCR	4	0
14	Z	506	CLA	2	0
14	5	511	CLA	2	0
17	B	4006	BCR	4	0
17	1	521	BCR	6	0
14	A	1105	CLA	2	0
21	B	1852	SQD	8	0
18	B	1855	LHG	3	0
17	V	4219	BCR	8	0
14	F	1301	CLA	1	0
17	L	4219	BCR	6	0
14	Z	513	CLA	2	0
21	L	5216	SQD	4	0
14	H	1226	CLA	5	0
14	H	1206	CLA	5	0
18	G	5005	LHG	6	0
21	1	822	SQD	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A	1801	CLA	3	0
18	A	5006	LHG	4	0
22	P	170	FMN	1	0
14	Y	511	CLA	1	0
20	B	5002	LMG	5	0
14	5	509	CLA	2	0
14	H	1239	CLA	5	0
17	B	4005	BCR	4	0
14	H	1207	CLA	3	0
18	I	5001	LHG	2	0
17	A	4001	BCR	4	0
17	Y	523	BCR	1	0
18	L	5221	LHG	1	0
14	H	1210	CLA	9	0
14	V	1501	CLA	8	0
14	A	1126	CLA	9	0
17	B	4010	BCR	6	0
14	B	1221	CLA	9	0
14	A	1140	CLA	3	0
14	G	1801	CLA	3	0
17	J	4012	BCR	4	0
17	K	4104	BCR	3	0
14	A	1123	CLA	1	0
17	H	4009	BCR	2	0
14	G	1125	CLA	3	0
18	G	5006	LHG	4	0
14	G	1131	CLA	3	0
17	U	4104	BCR	3	0
14	2	517	CLA	1	0
14	B	1206	CLA	4	0
14	H	1214	CLA	3	0
18	V	5221	LHG	8	0
14	4	509	CLA	4	0
14	H	1221	CLA	9	0
14	A	1116	CLA	5	0
14	V	1503	CLA	2	0
17	Z	521	BCR	7	0
22	X	170	FMN	1	0
14	Y	504	CLA	1	0
14	A	1102	CLA	2	0
14	V	1502	CLA	4	0
14	A	1022	CLA	2	0

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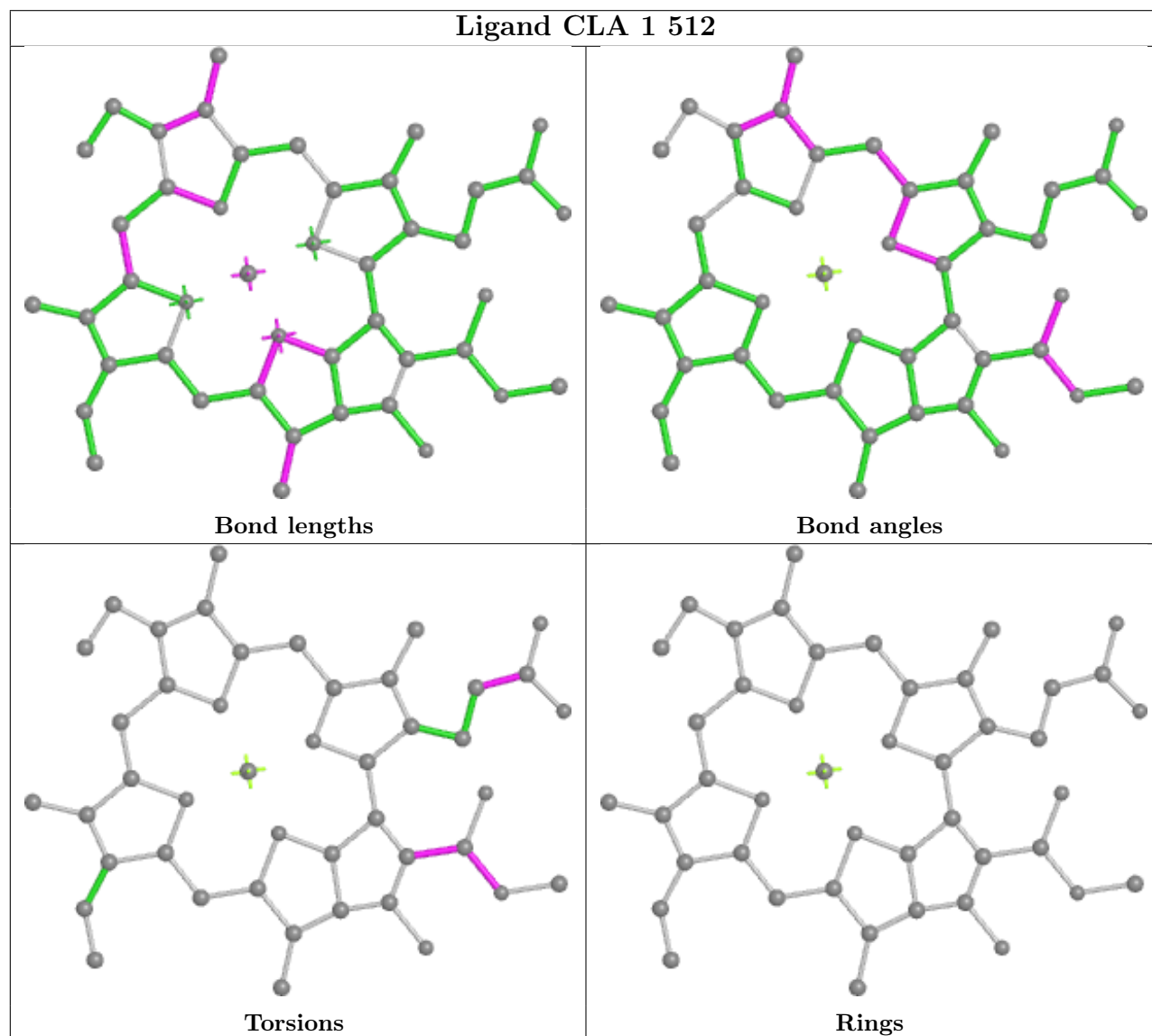
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	1238	CLA	1	0
14	B	1228	CLA	2	0
14	G	1105	CLA	2	0
14	B	1225	CLA	4	0
17	4	524	BCR	2	0
19	A	1848	LMU	2	0
14	2	513	CLA	2	0
14	G	1132	CLA	1	0
14	G	1118	CLA	2	0
14	5	507	CLA	1	0
17	B	4004	BCR	3	0
17	1	523	BCR	2	0
14	H	1227	CLA	4	0
14	B	1210	CLA	9	0
14	L	1503	CLA	1	0
14	G	1116	CLA	7	0
14	A	1117	CLA	5	0
14	1	518	CLA	1	0
14	A	1013	CLA	9	0
14	H	1229	CLA	6	0
15	H	2002	PQN	5	0
14	6	512	CLA	4	0
14	1	511	CLA	1	0
14	Y	507	CLA	1	0
17	I	4018	BCR	4	0
14	Z	517	CLA	1	0
14	B	1235	CLA	4	0
14	3	518	CLA	1	0
17	A	4007	BCR	2	0
14	1	513	CLA	2	0
17	5	522	BCR	2	0
14	A	1114	CLA	1	0
14	H	1240	CLA	3	0
14	H	1225	CLA	4	0
14	3	513	CLA	2	0
14	A	1139	CLA	3	0
14	A	1109	CLA	2	0
14	3	511	CLA	1	0
14	A	1134	CLA	3	0
14	B	1212	CLA	1	0
14	G	1115	CLA	3	0
14	H	1234	CLA	7	0

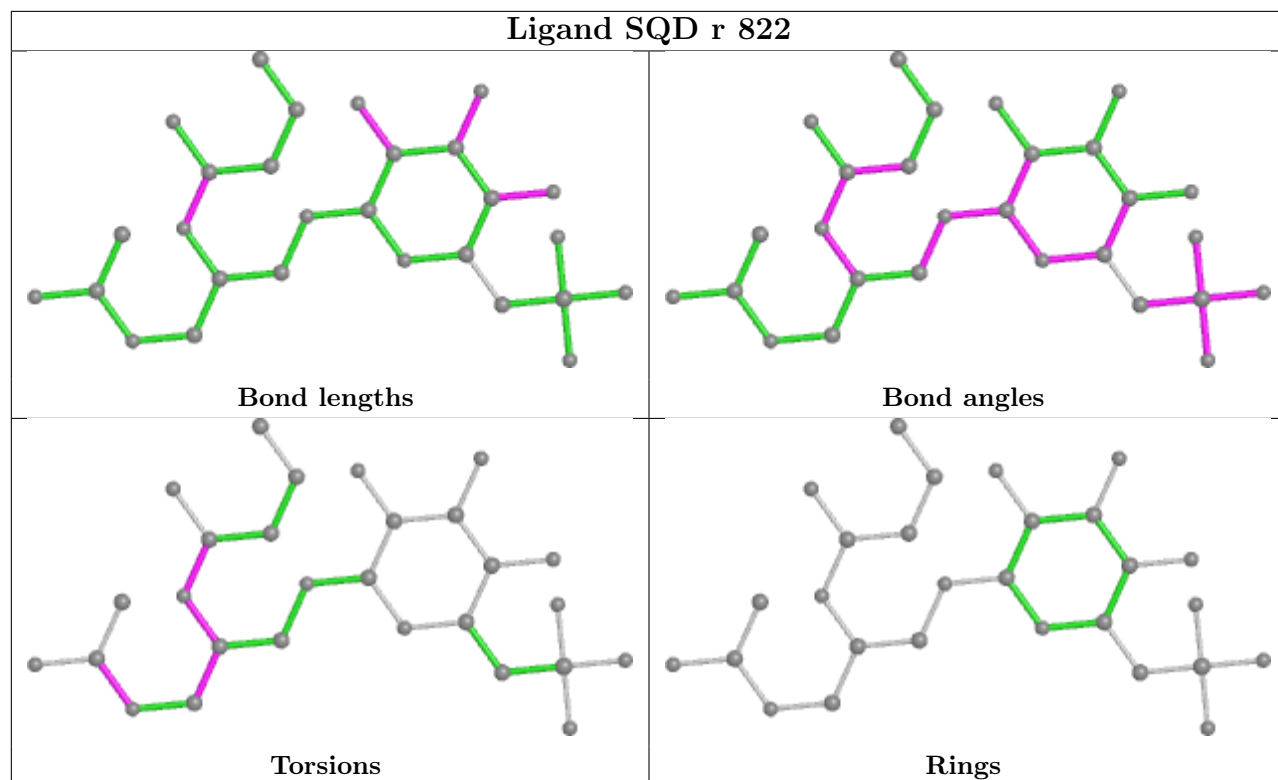
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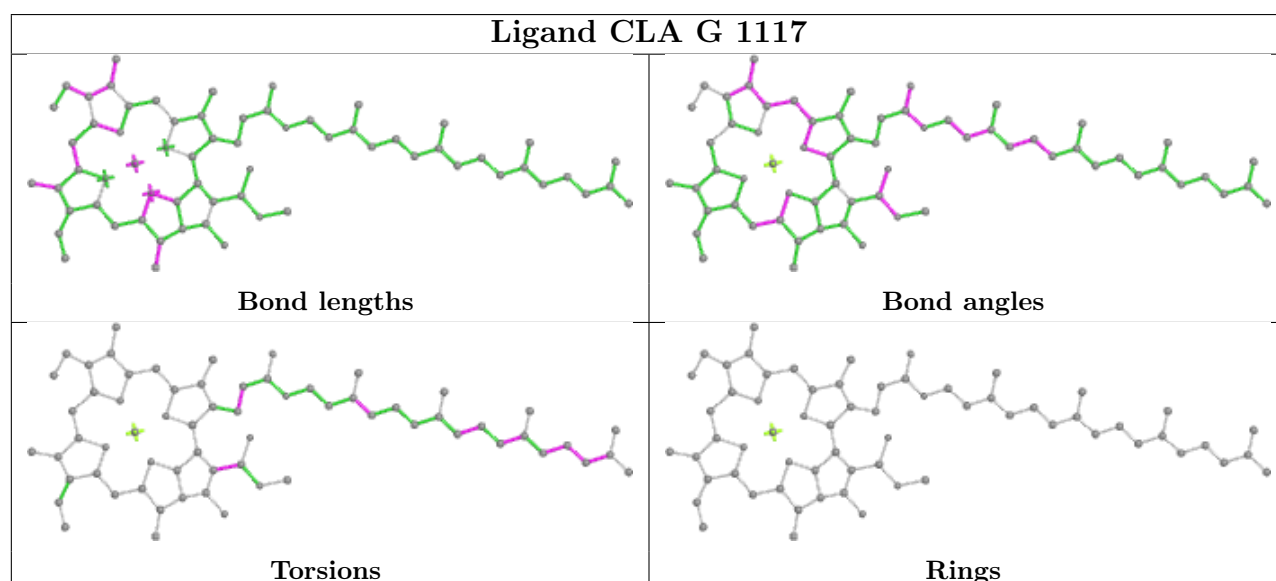
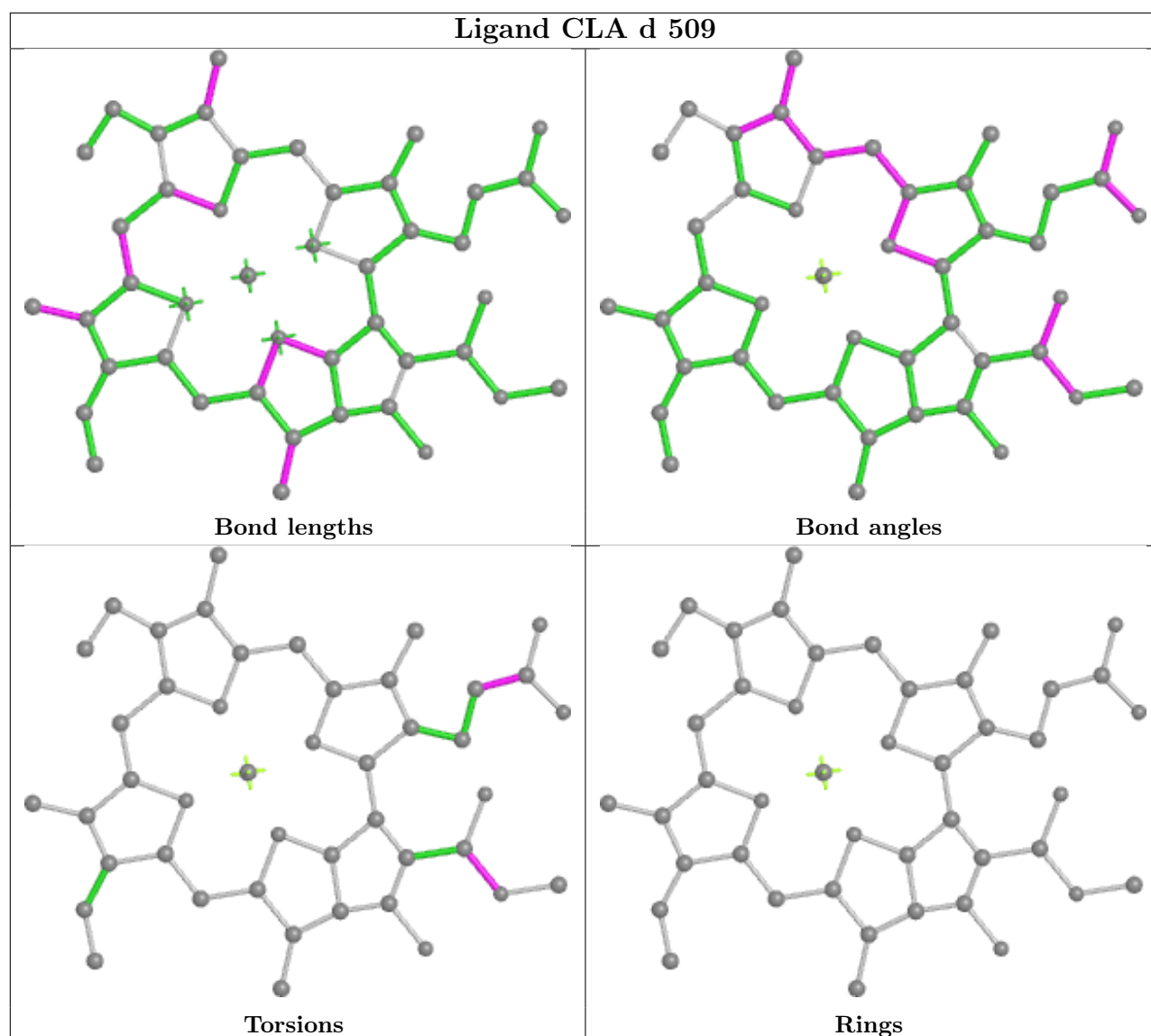
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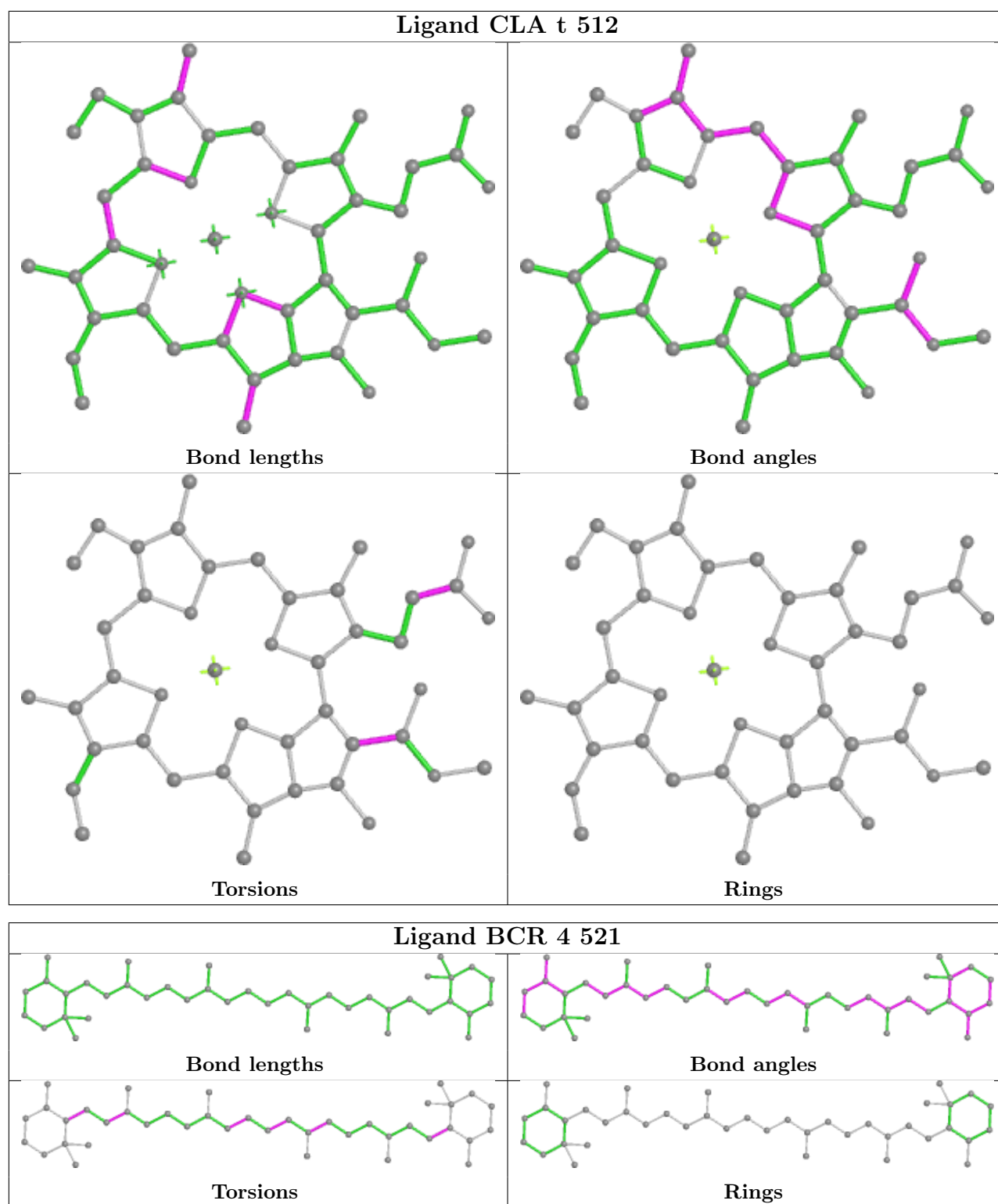
Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	A	1849	LMU	1	0

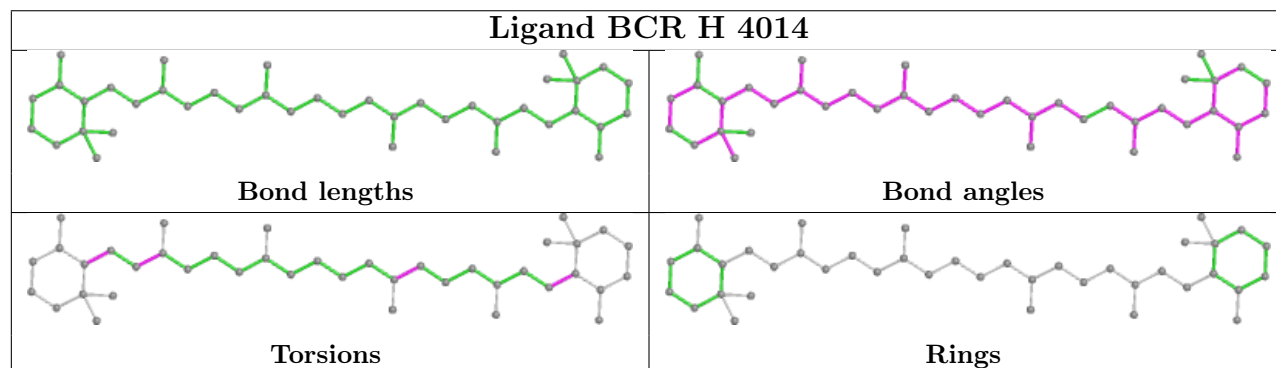
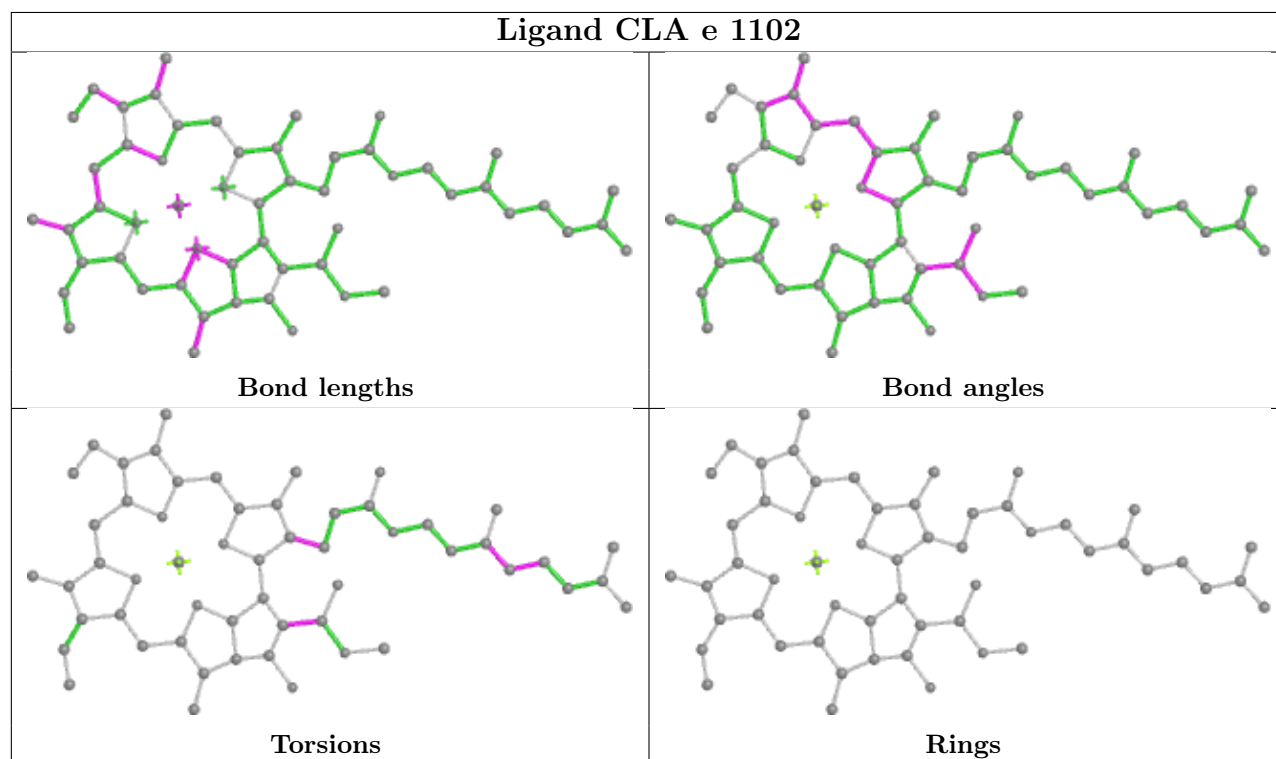
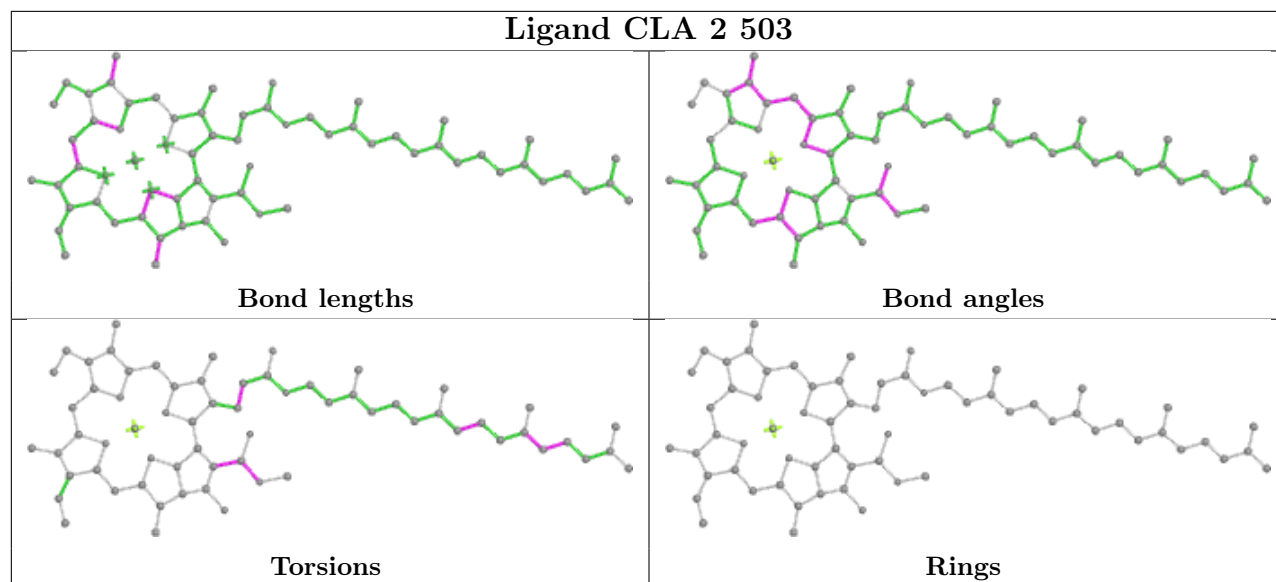
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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

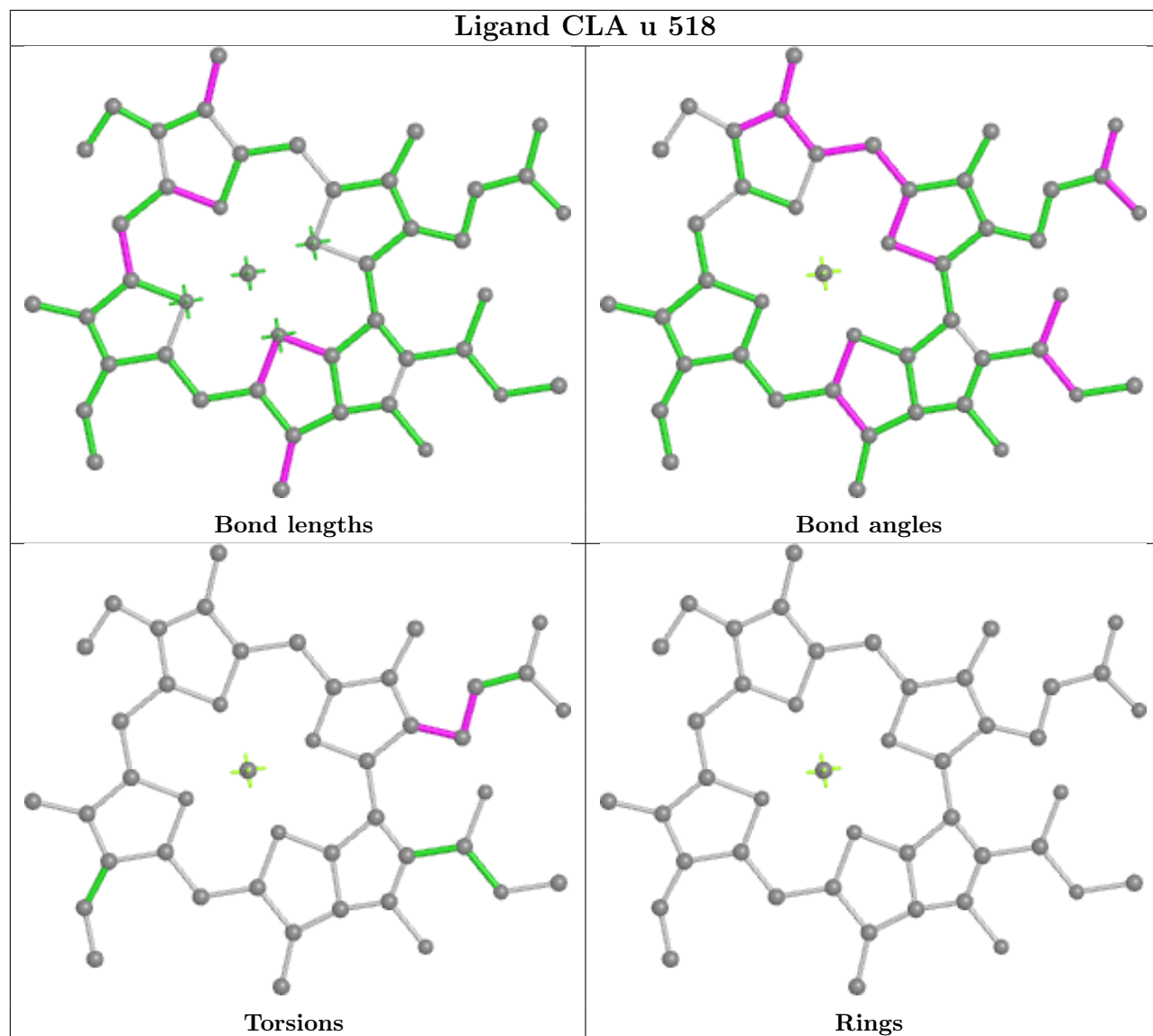


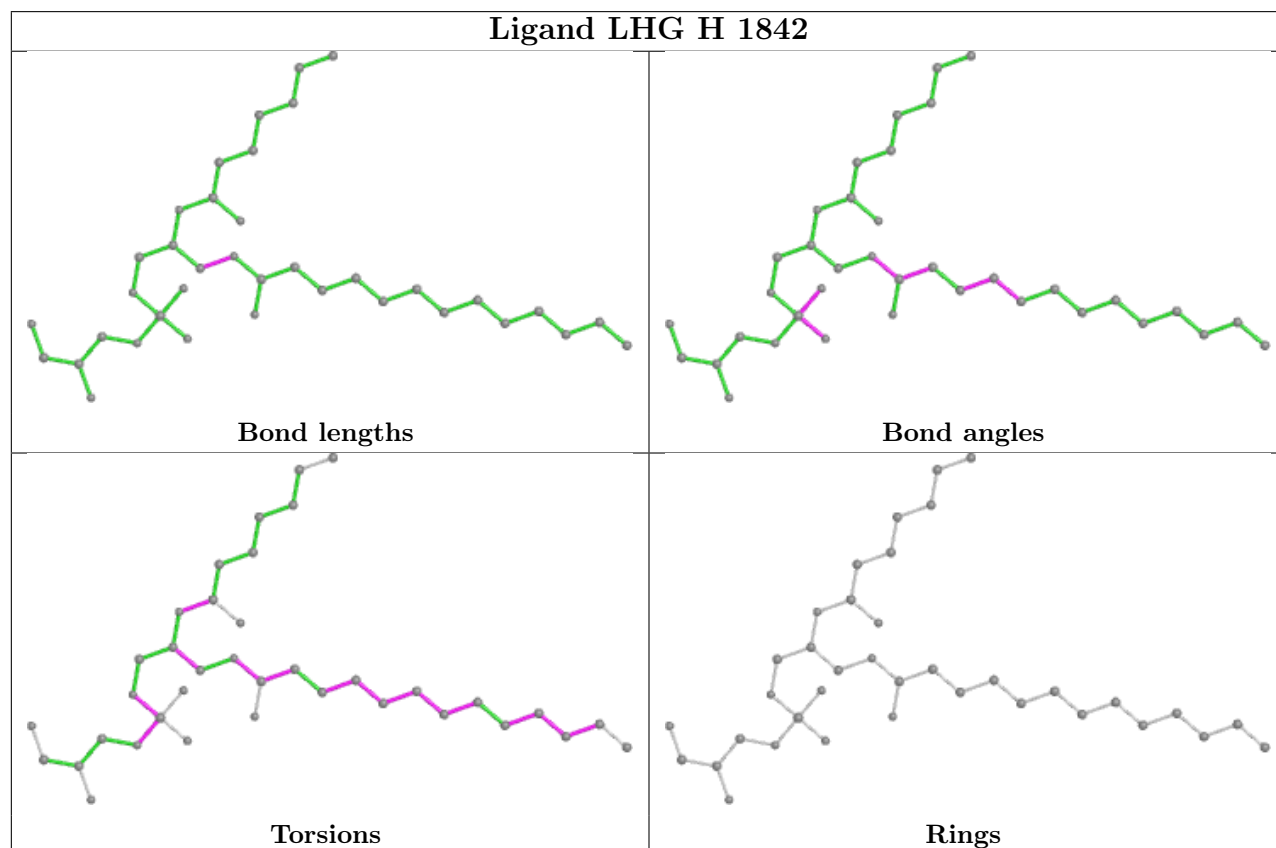
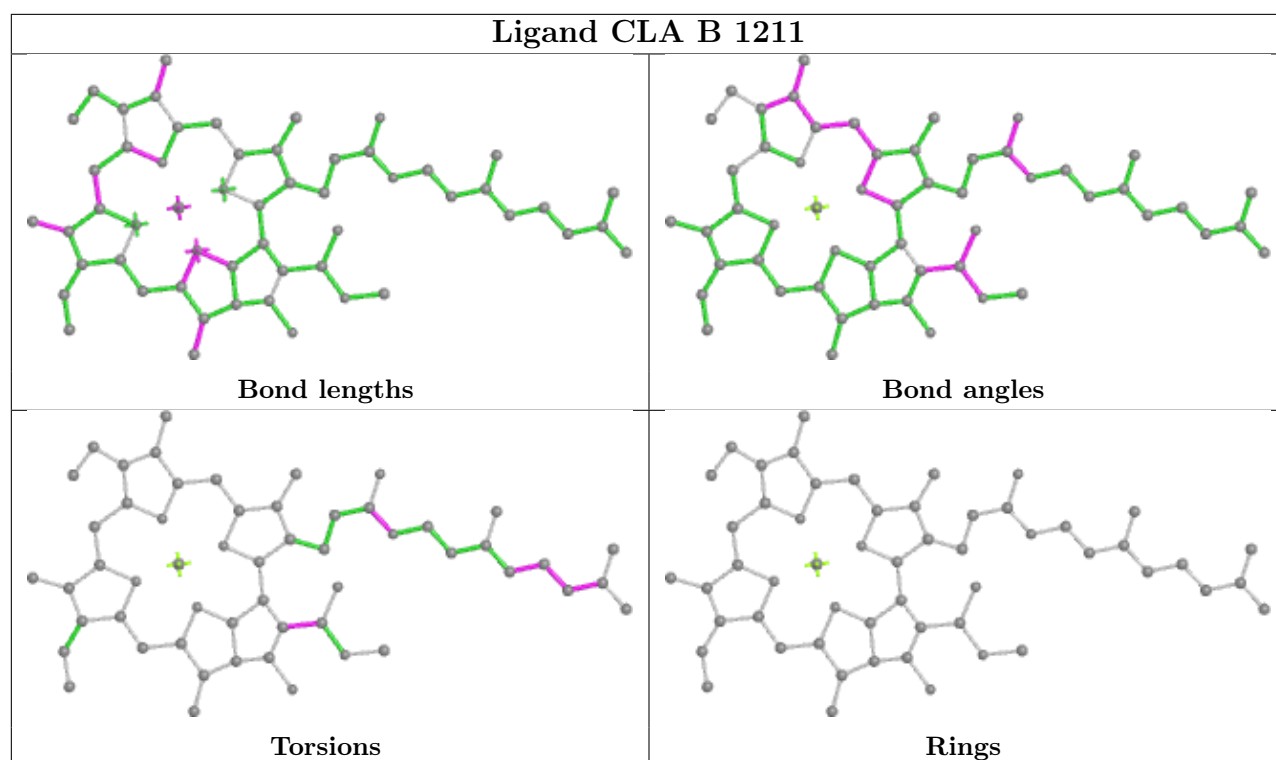


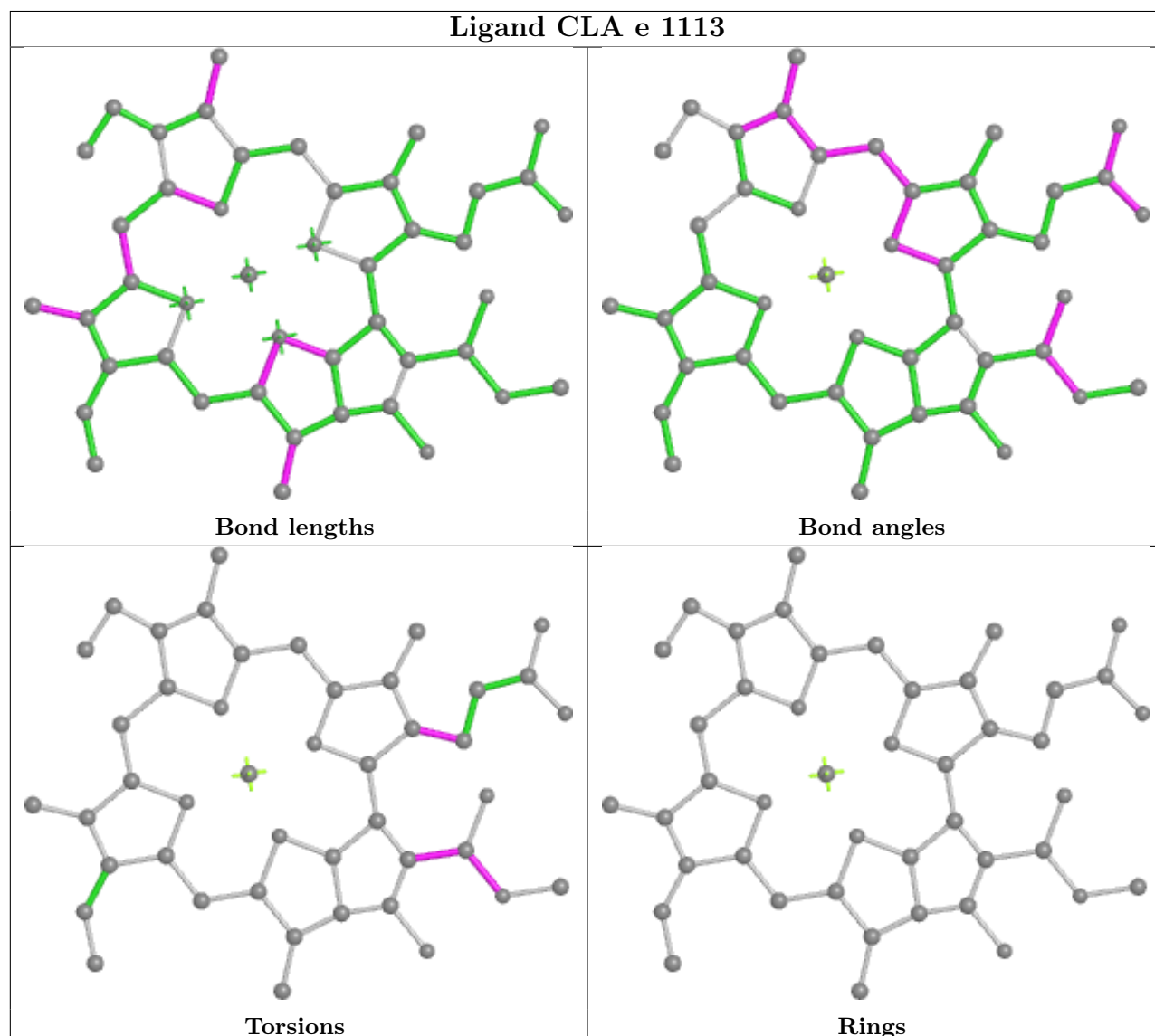
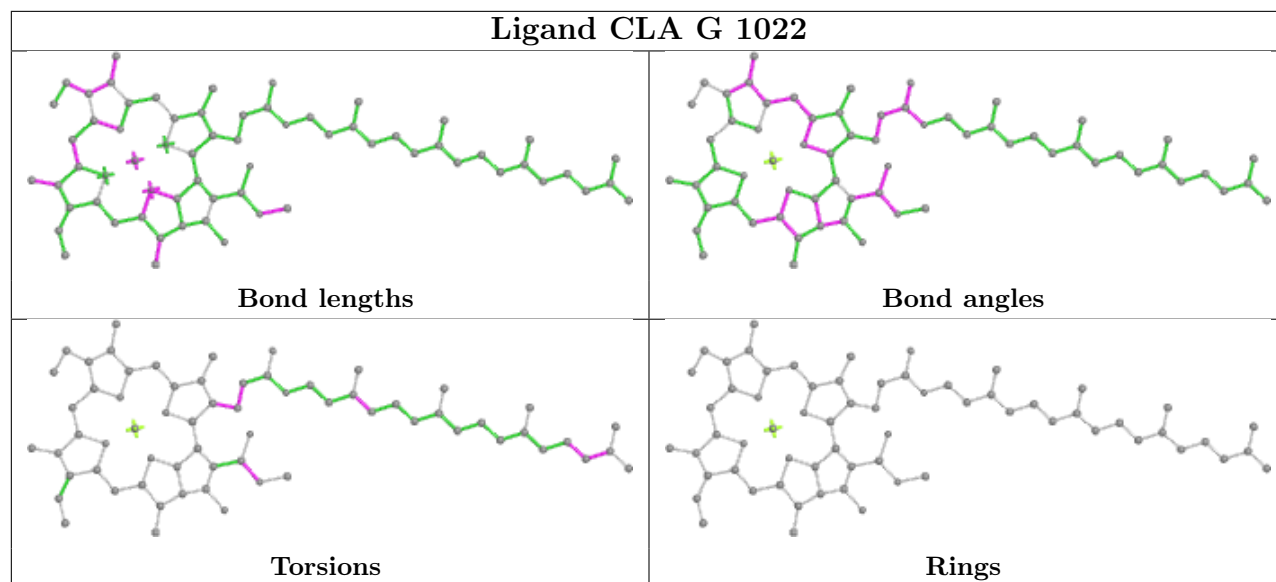


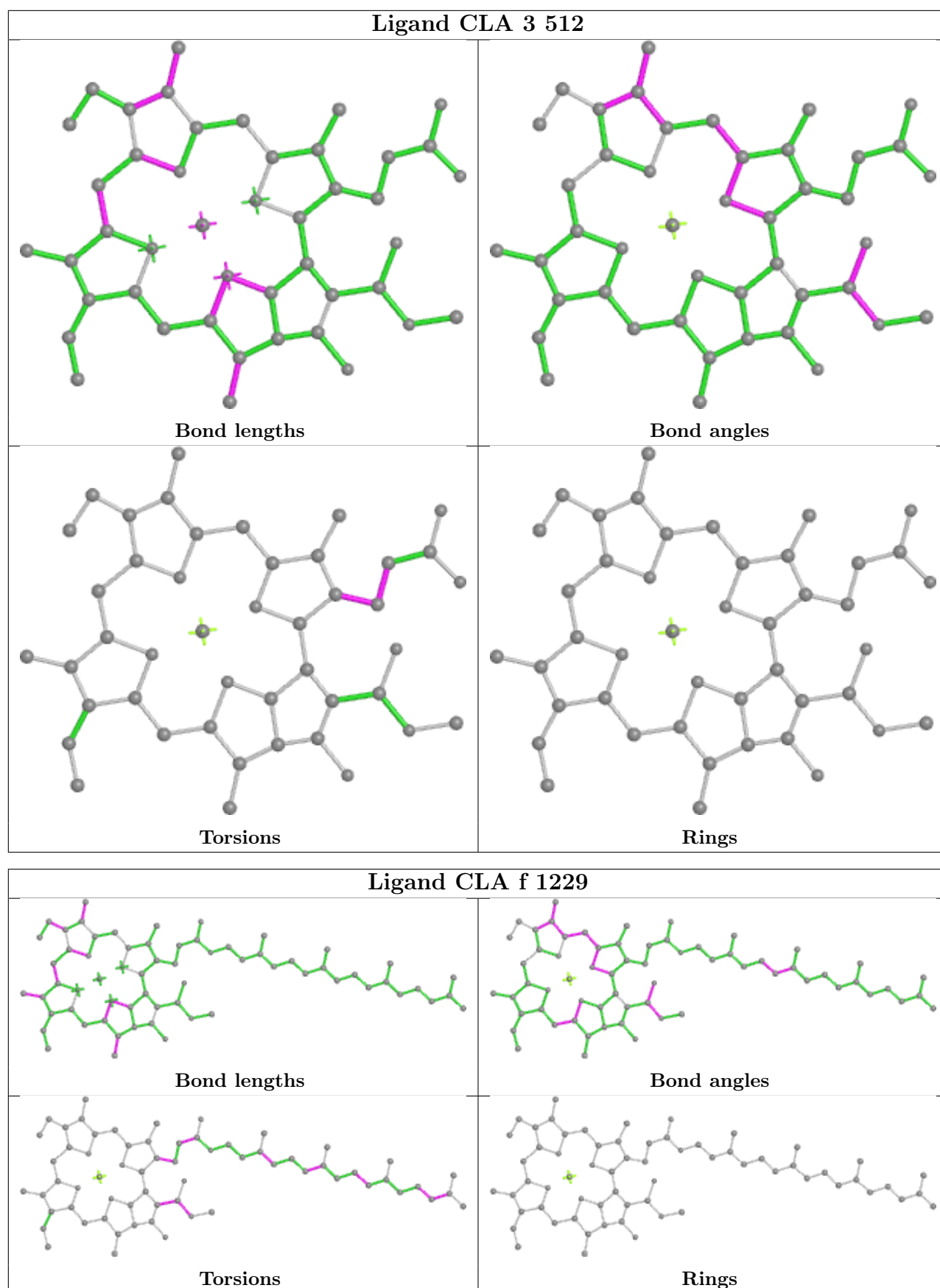


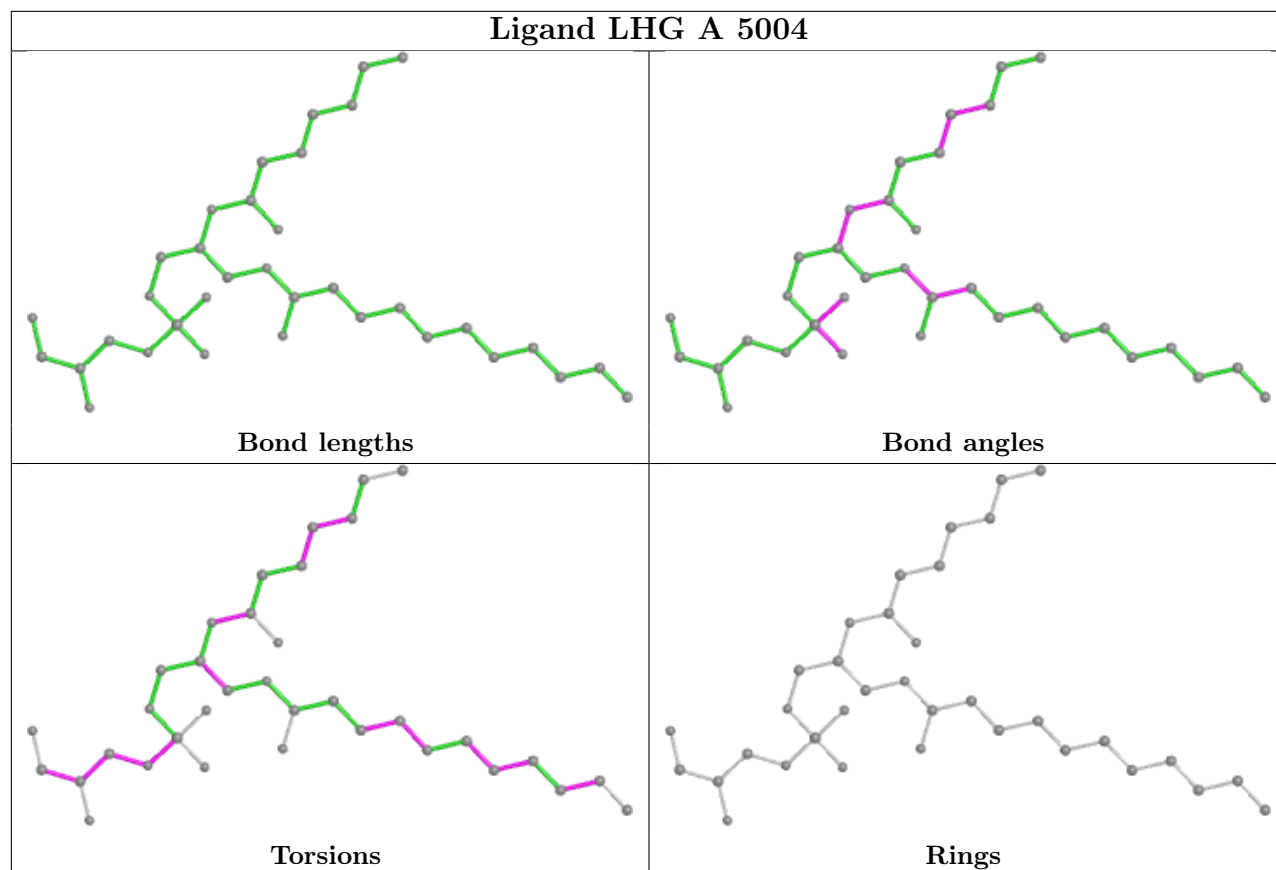
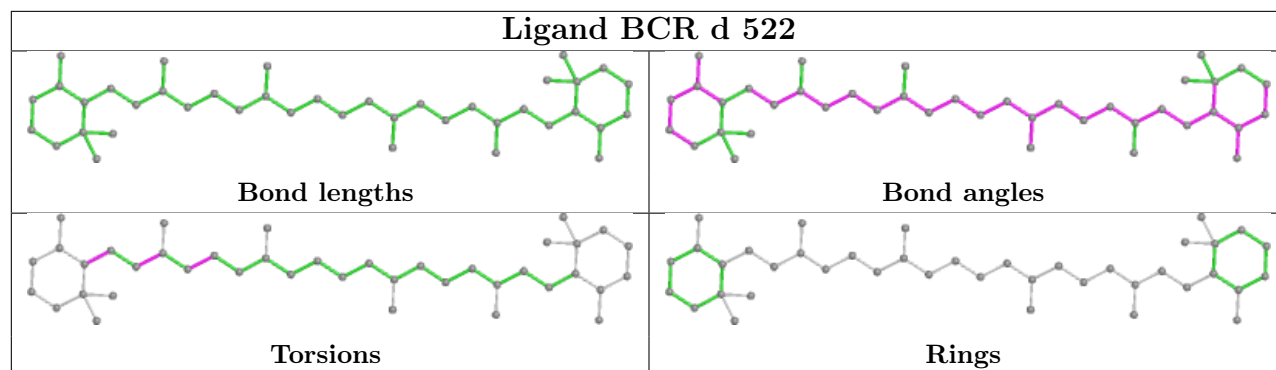


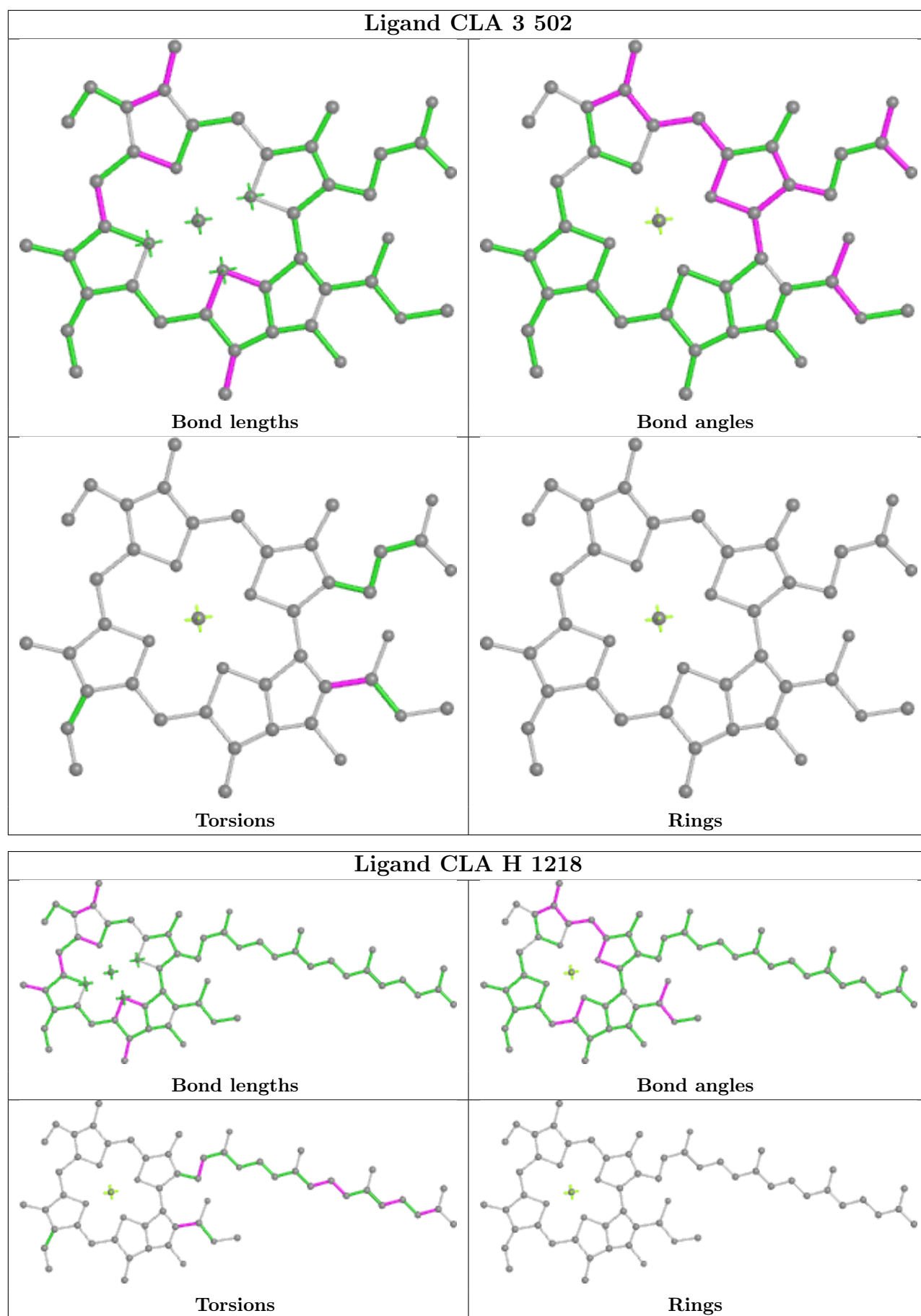


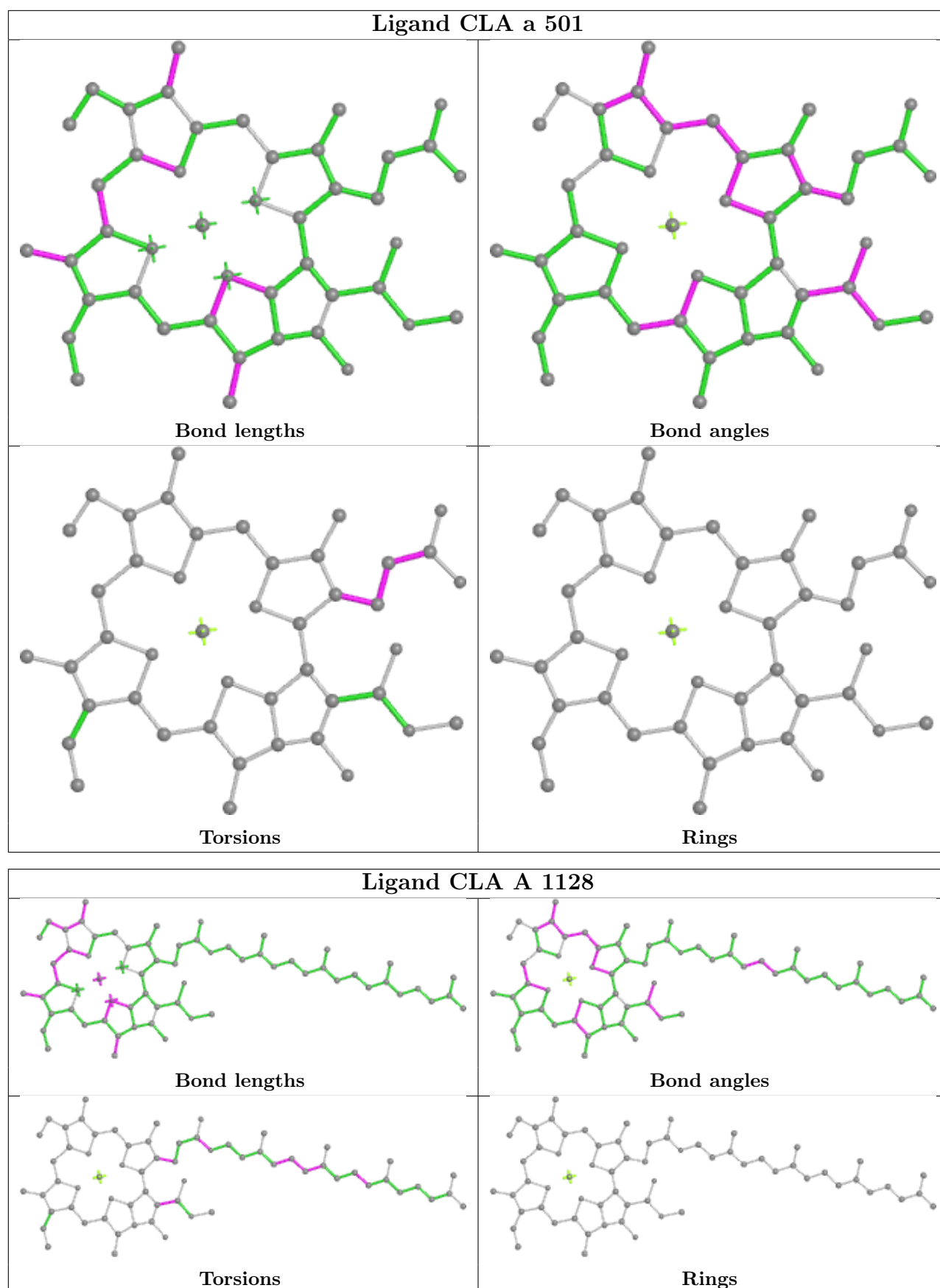


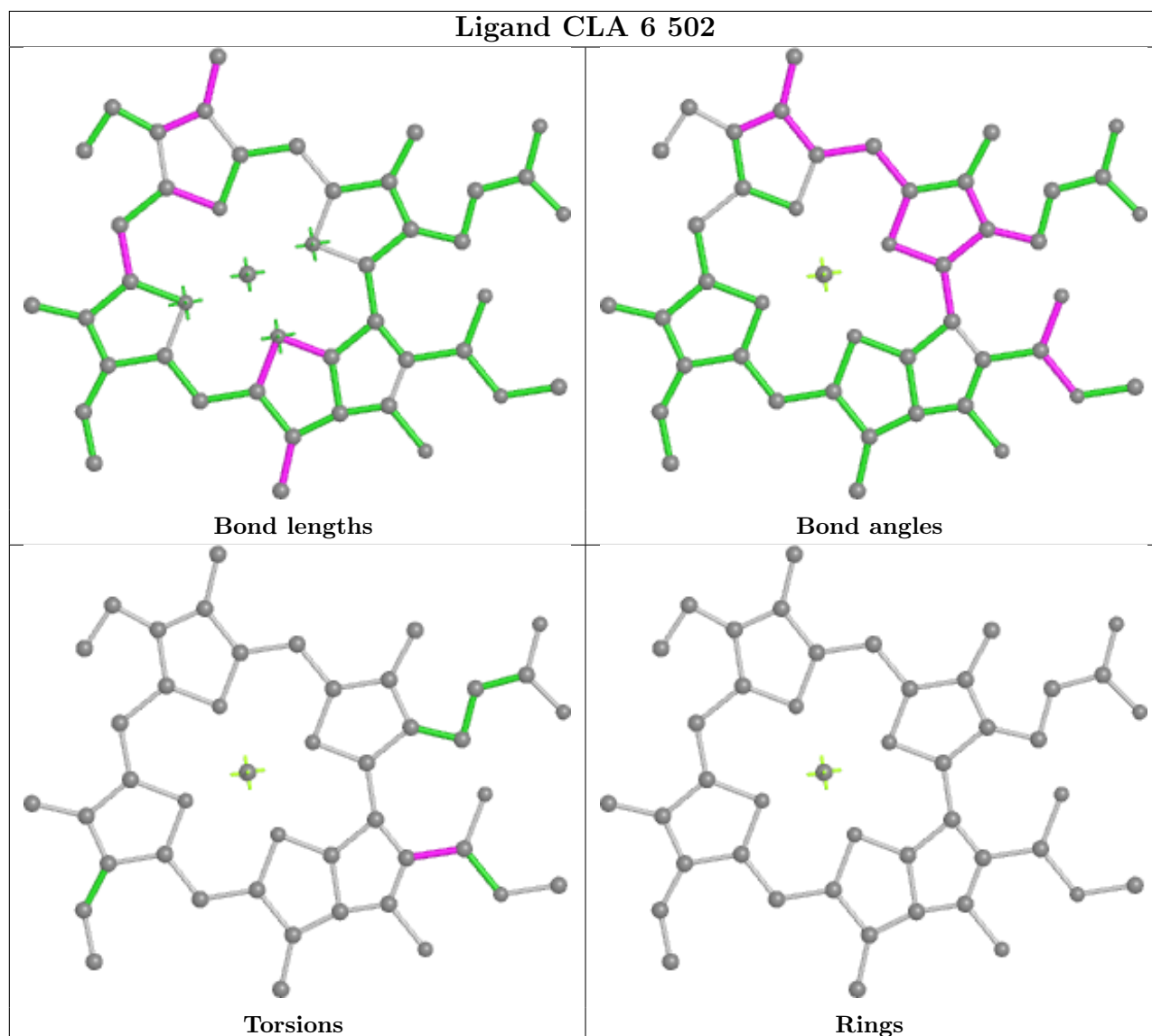
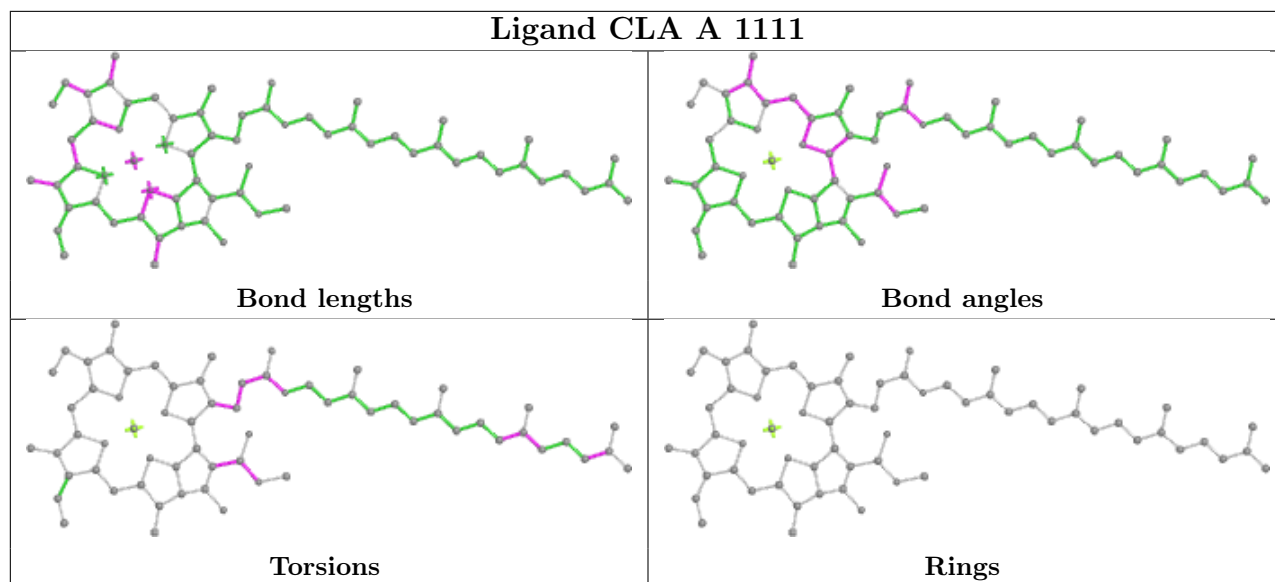


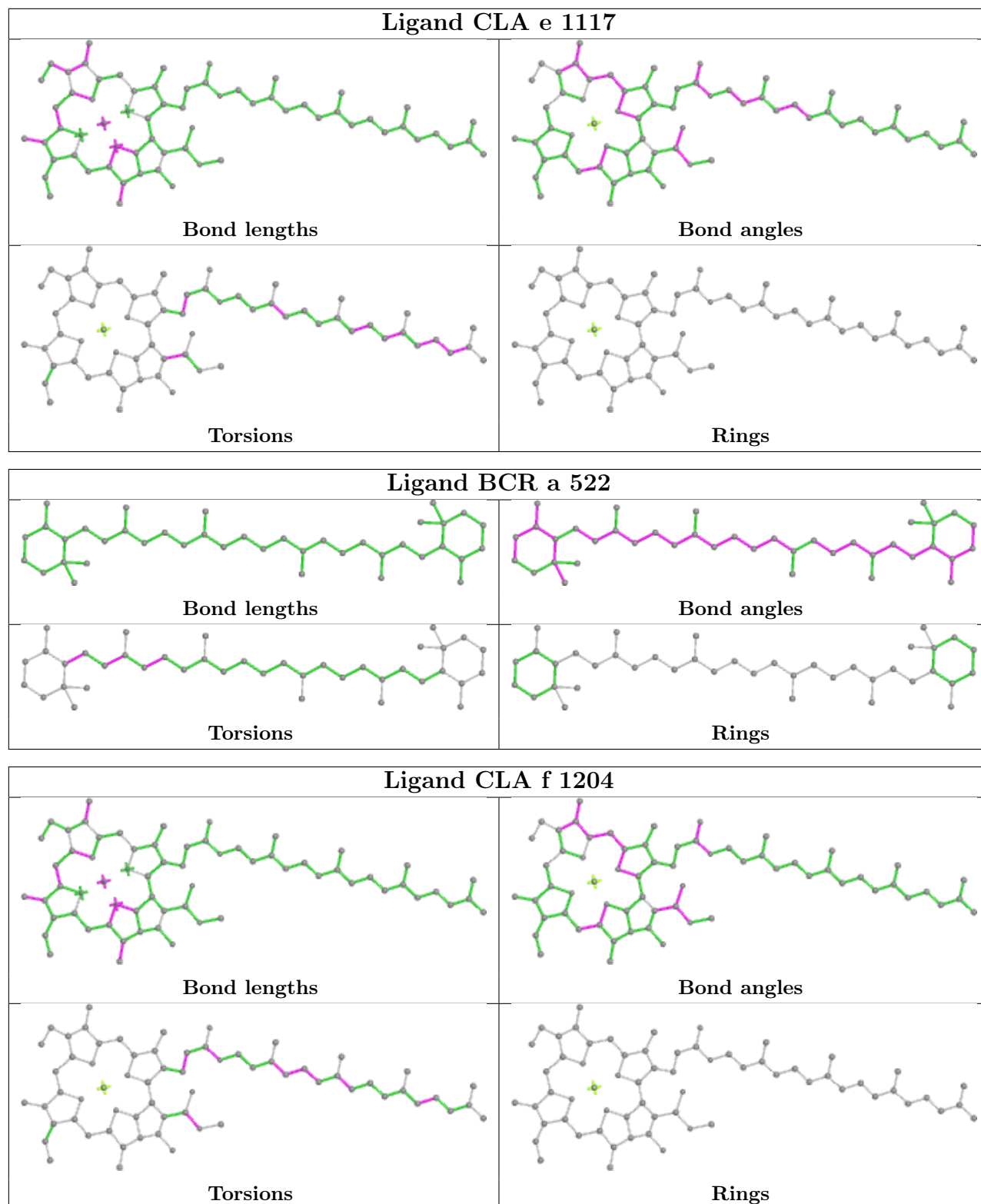


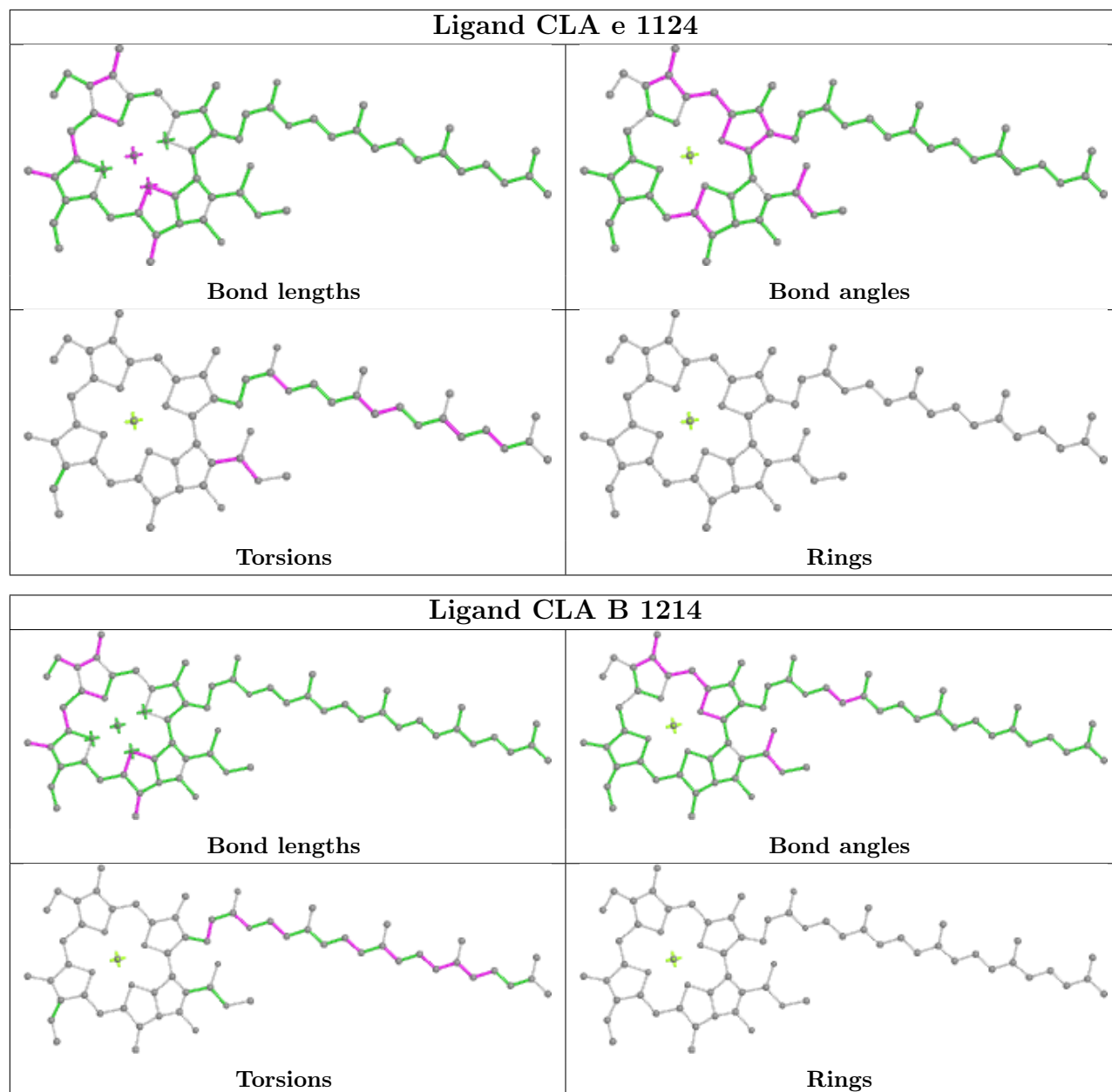


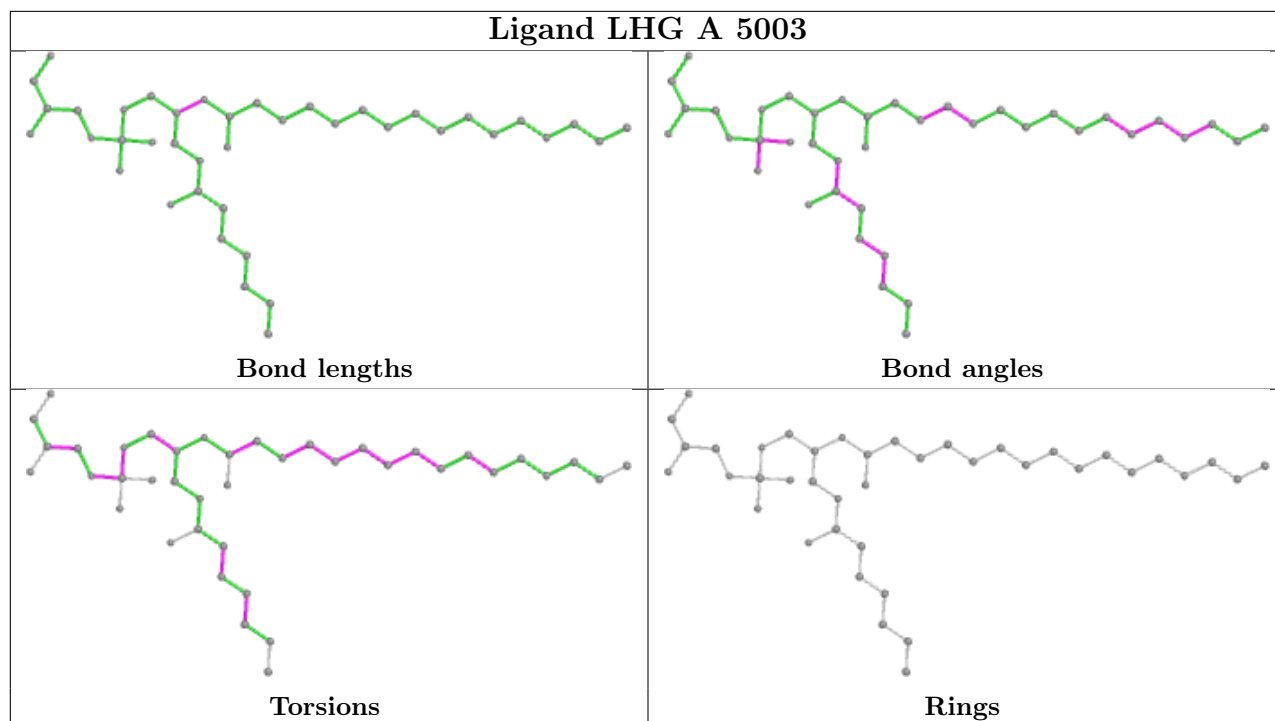


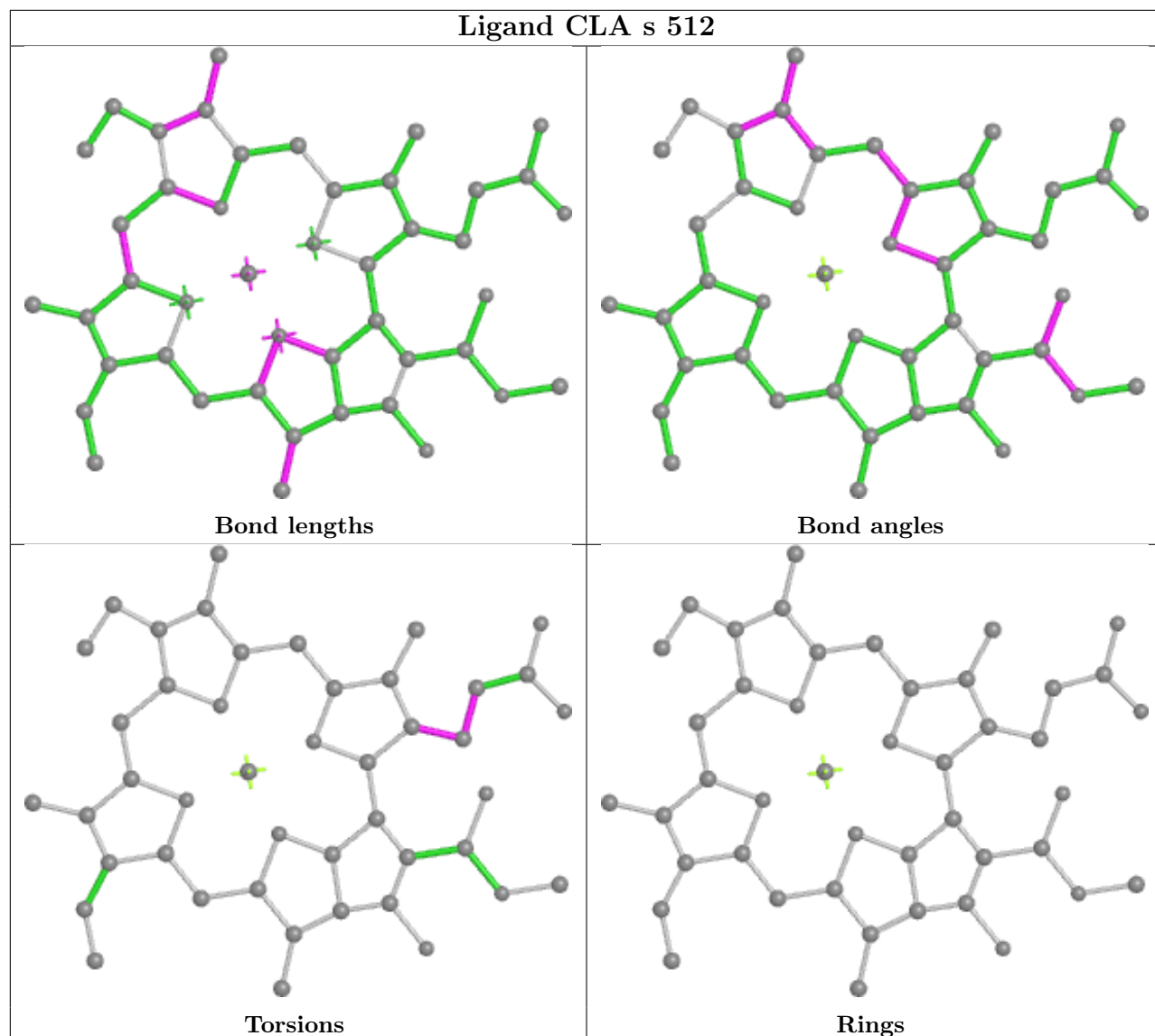


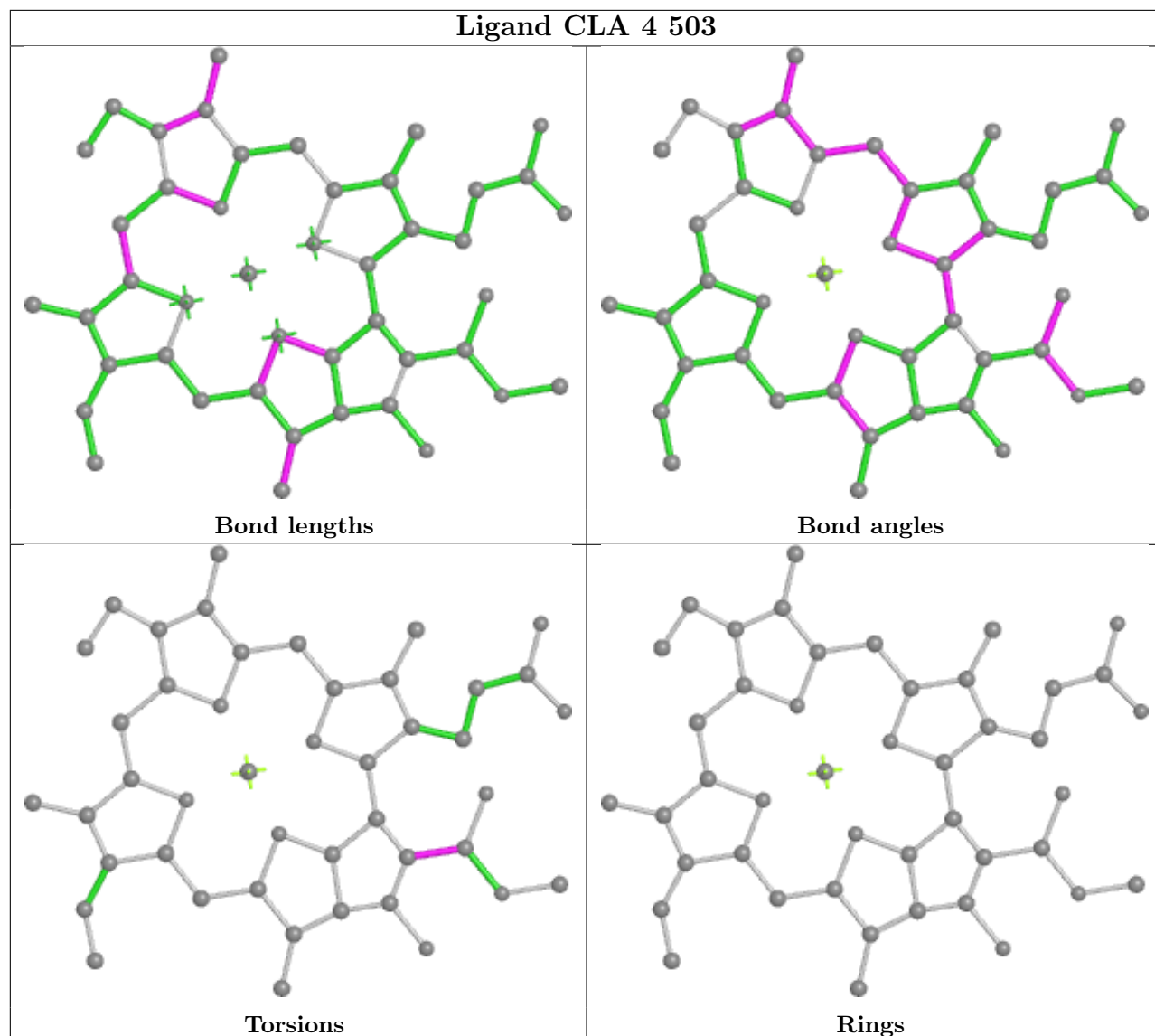


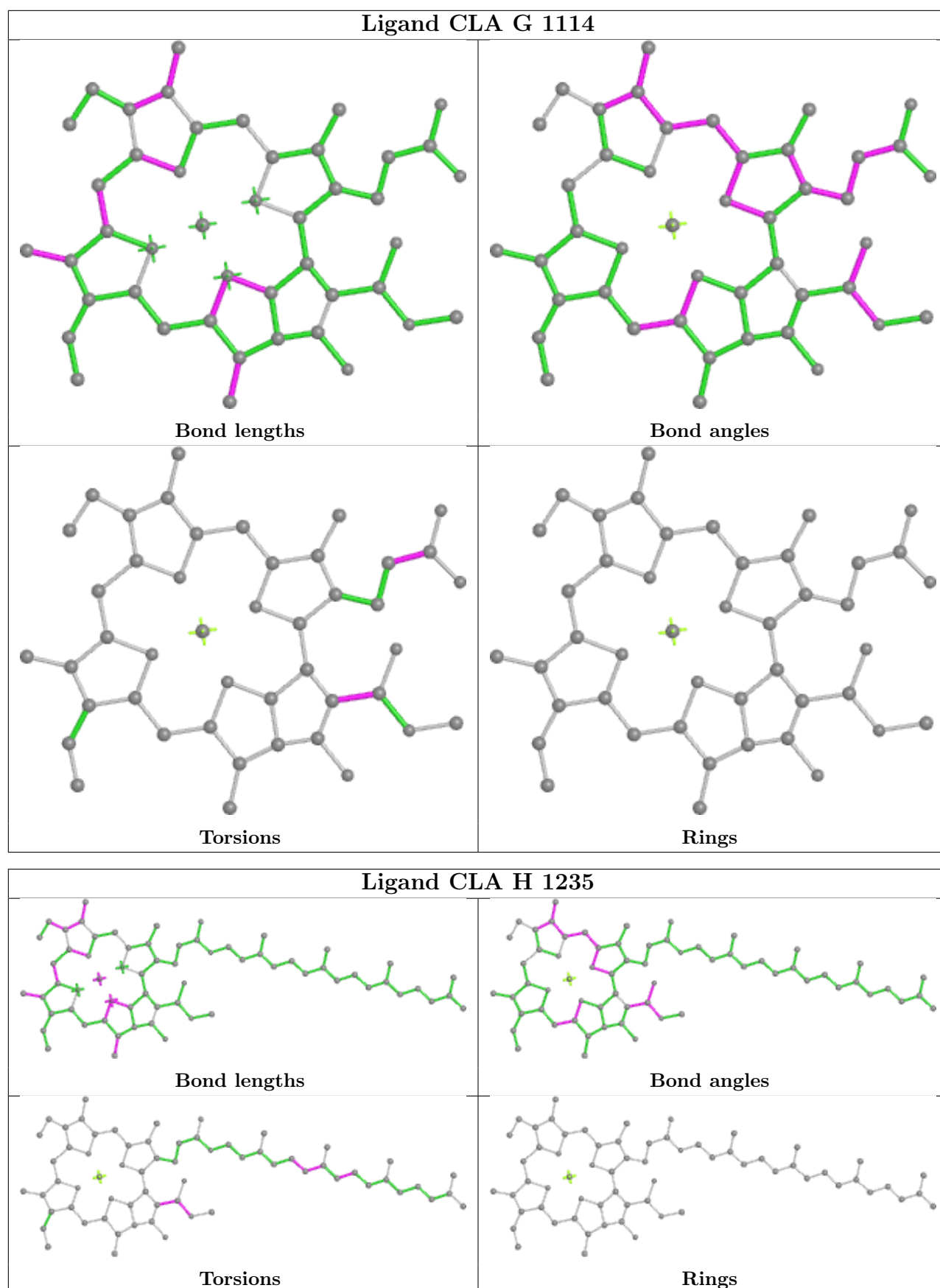


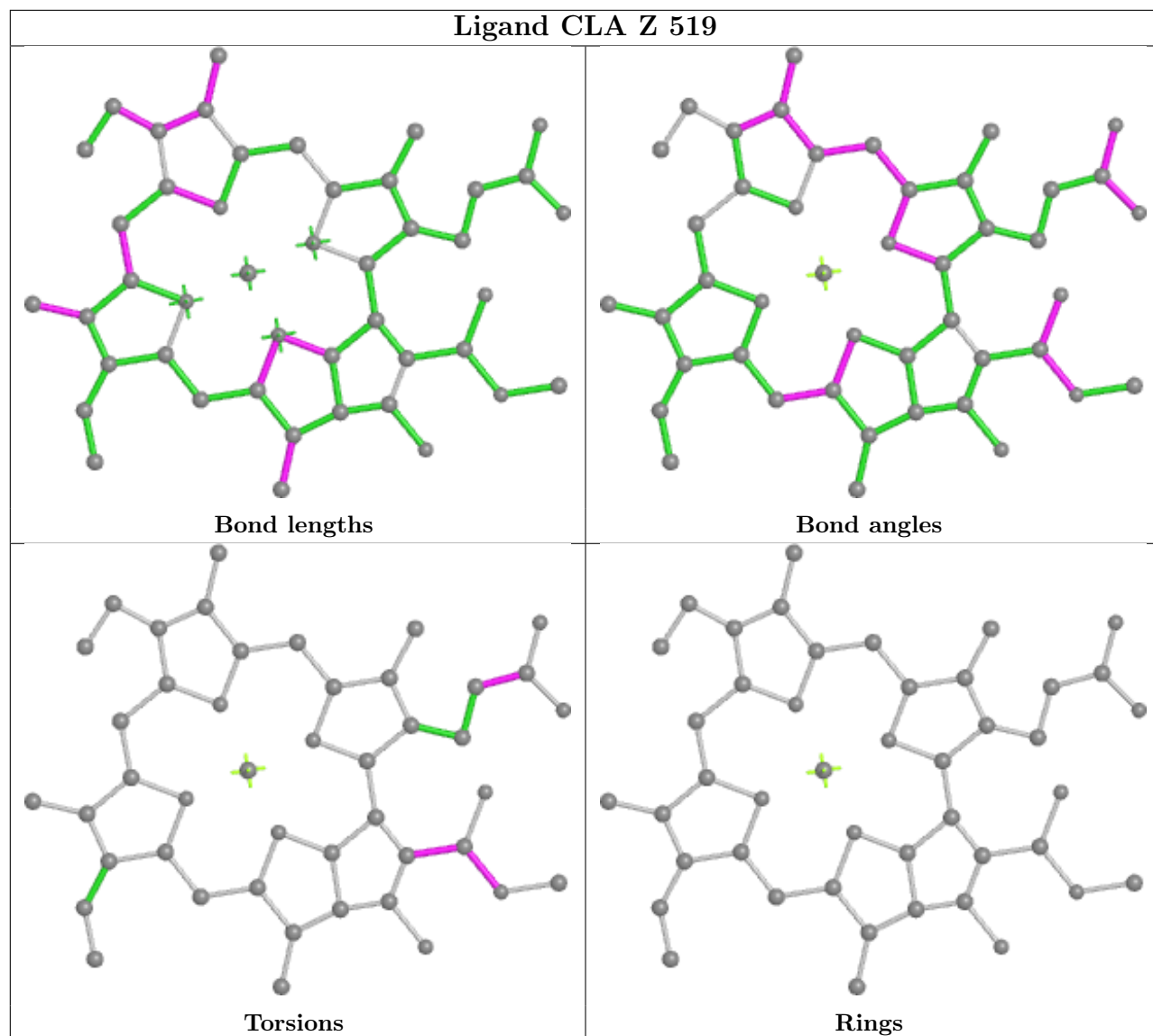


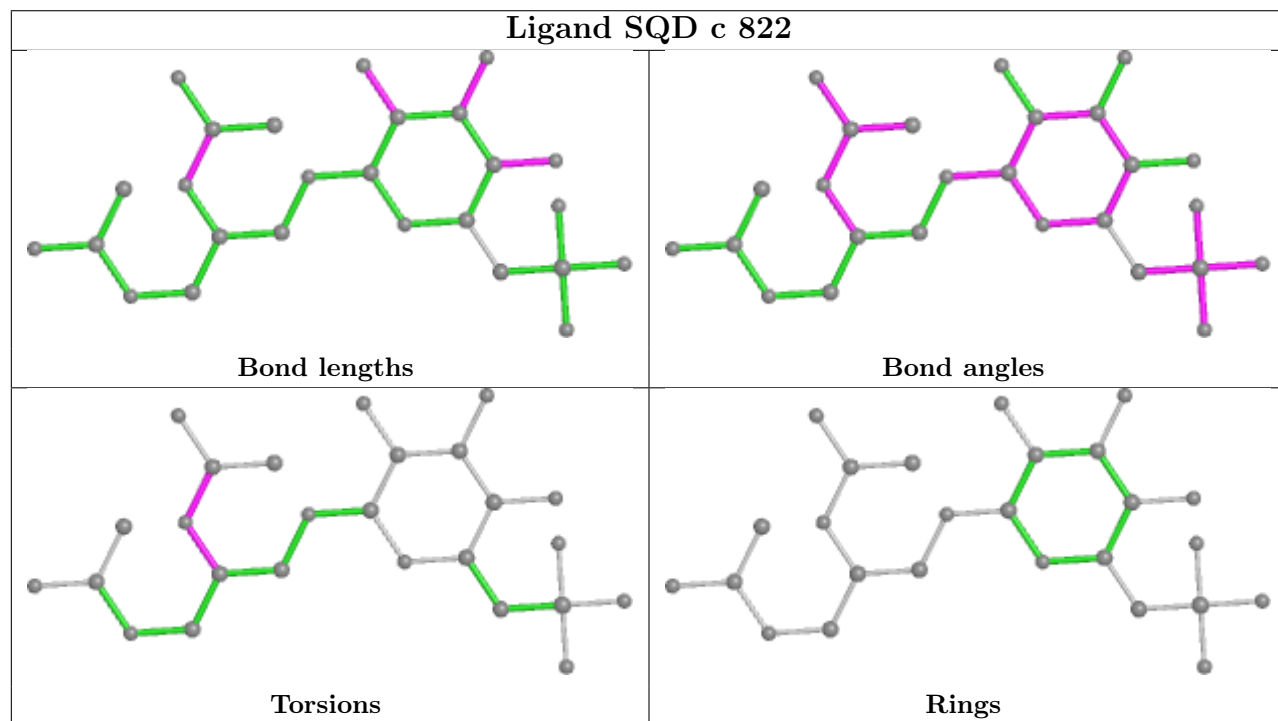
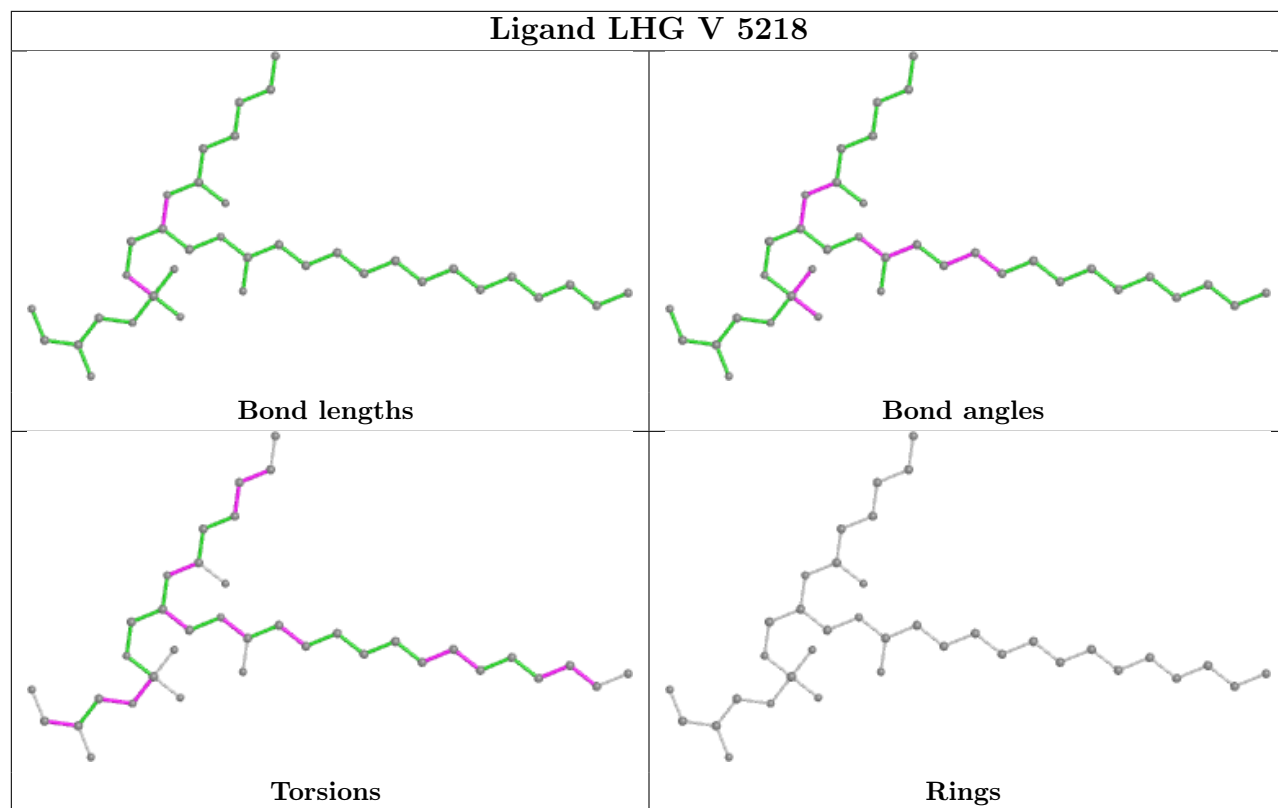


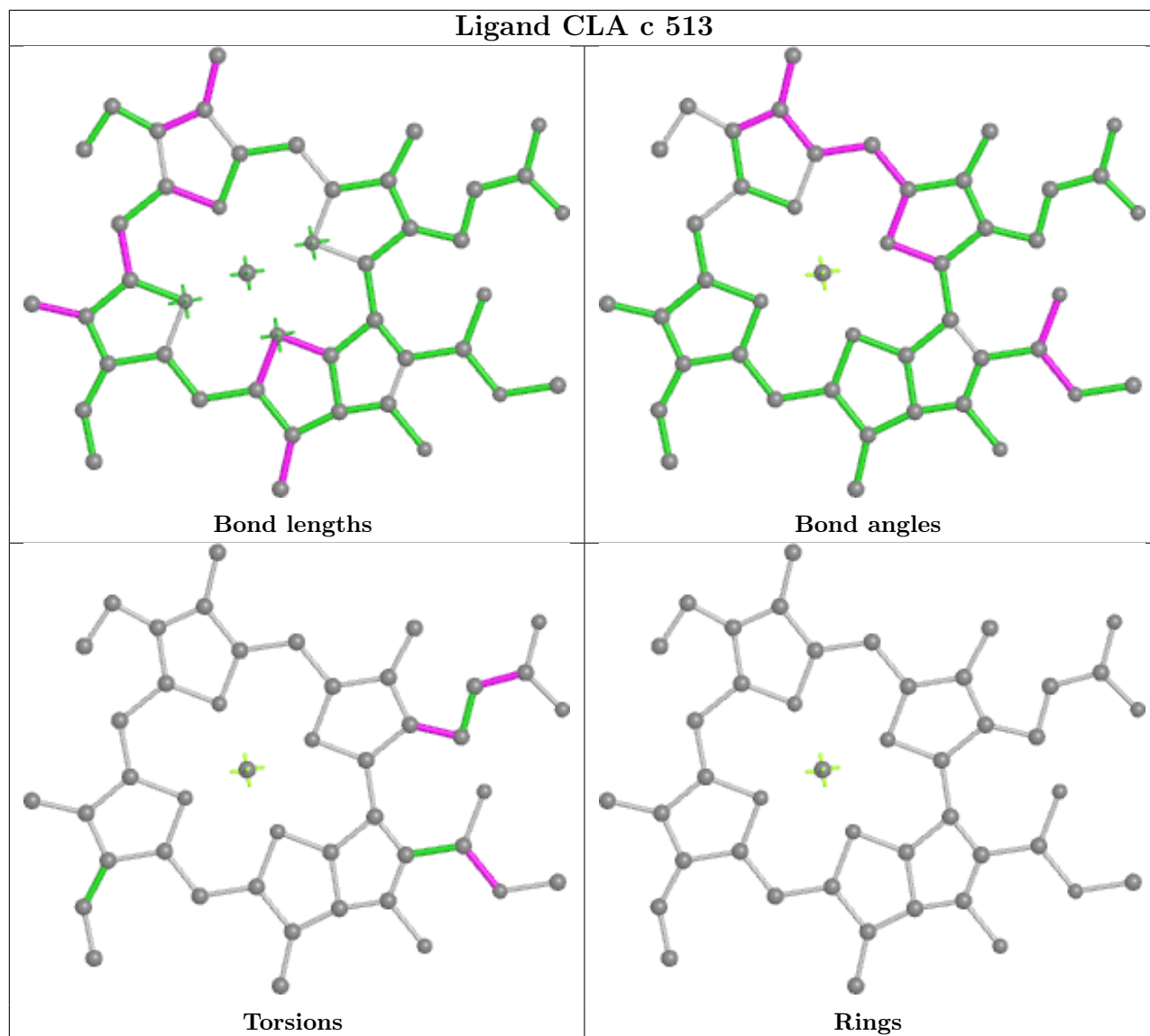
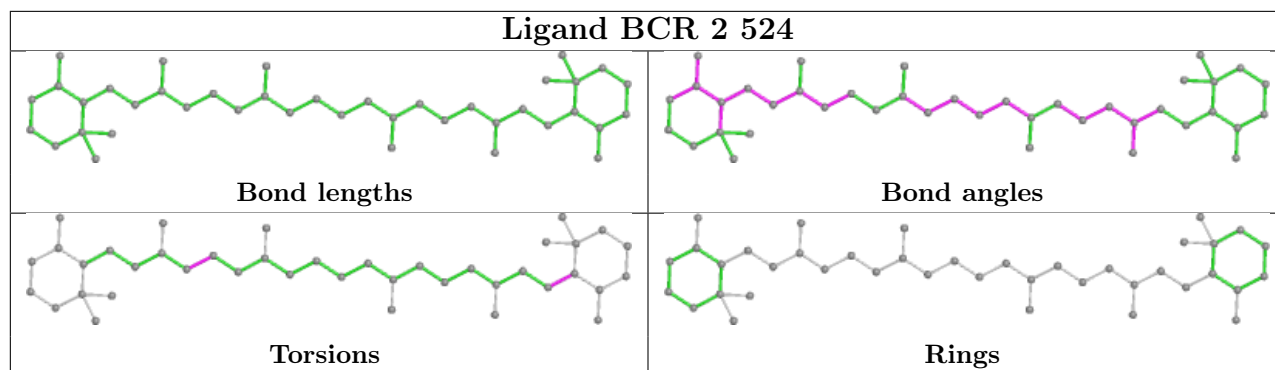


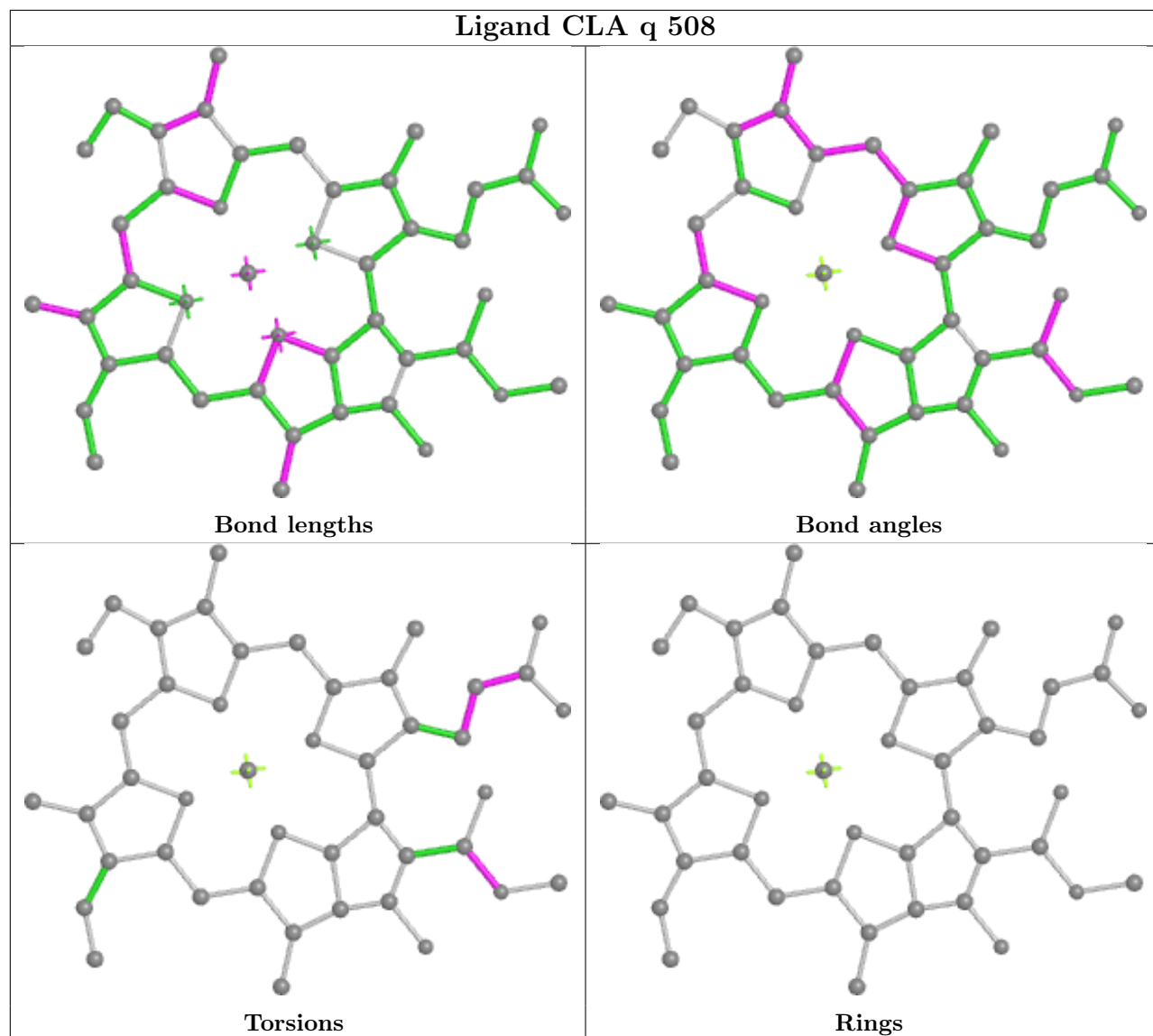


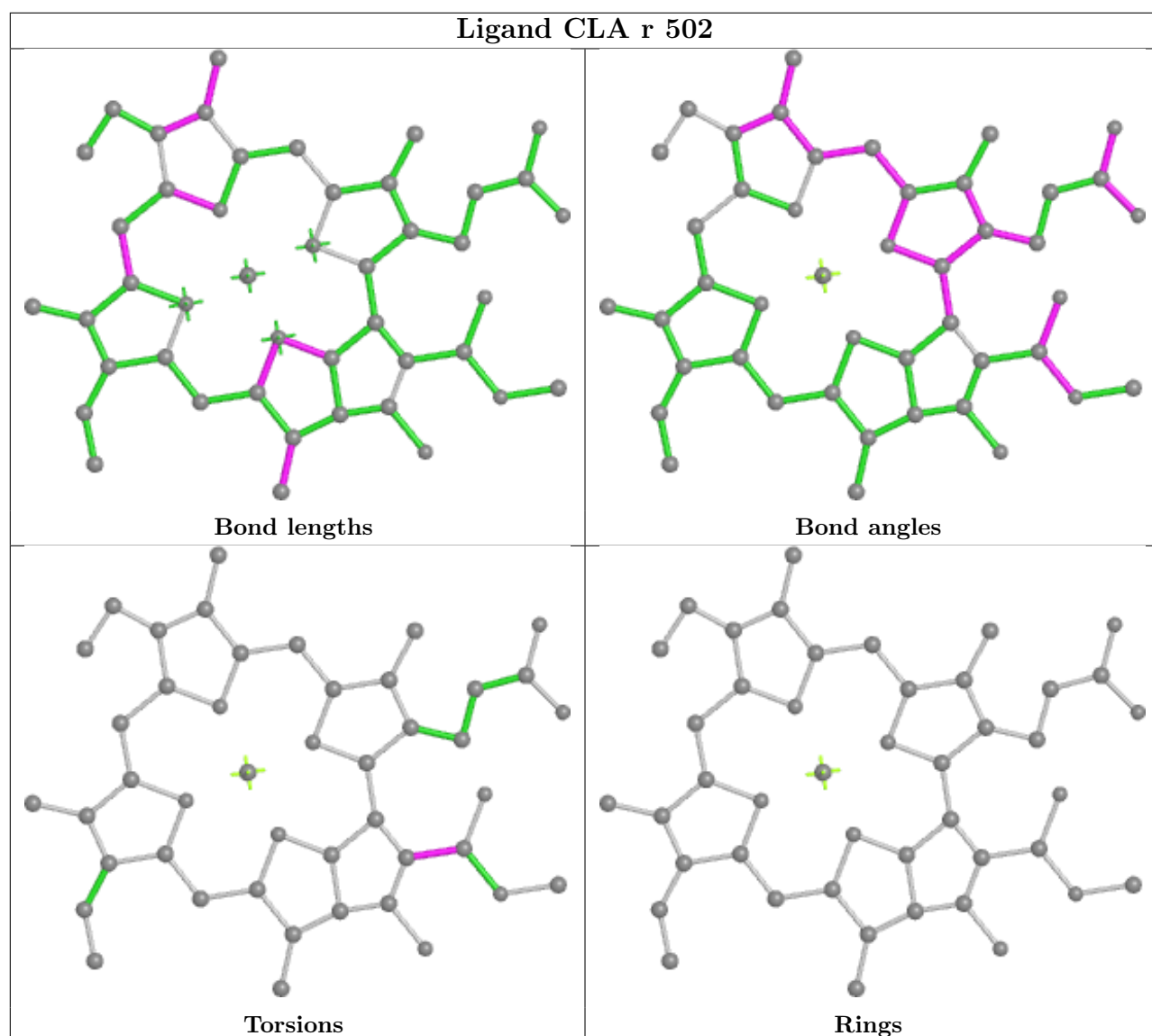


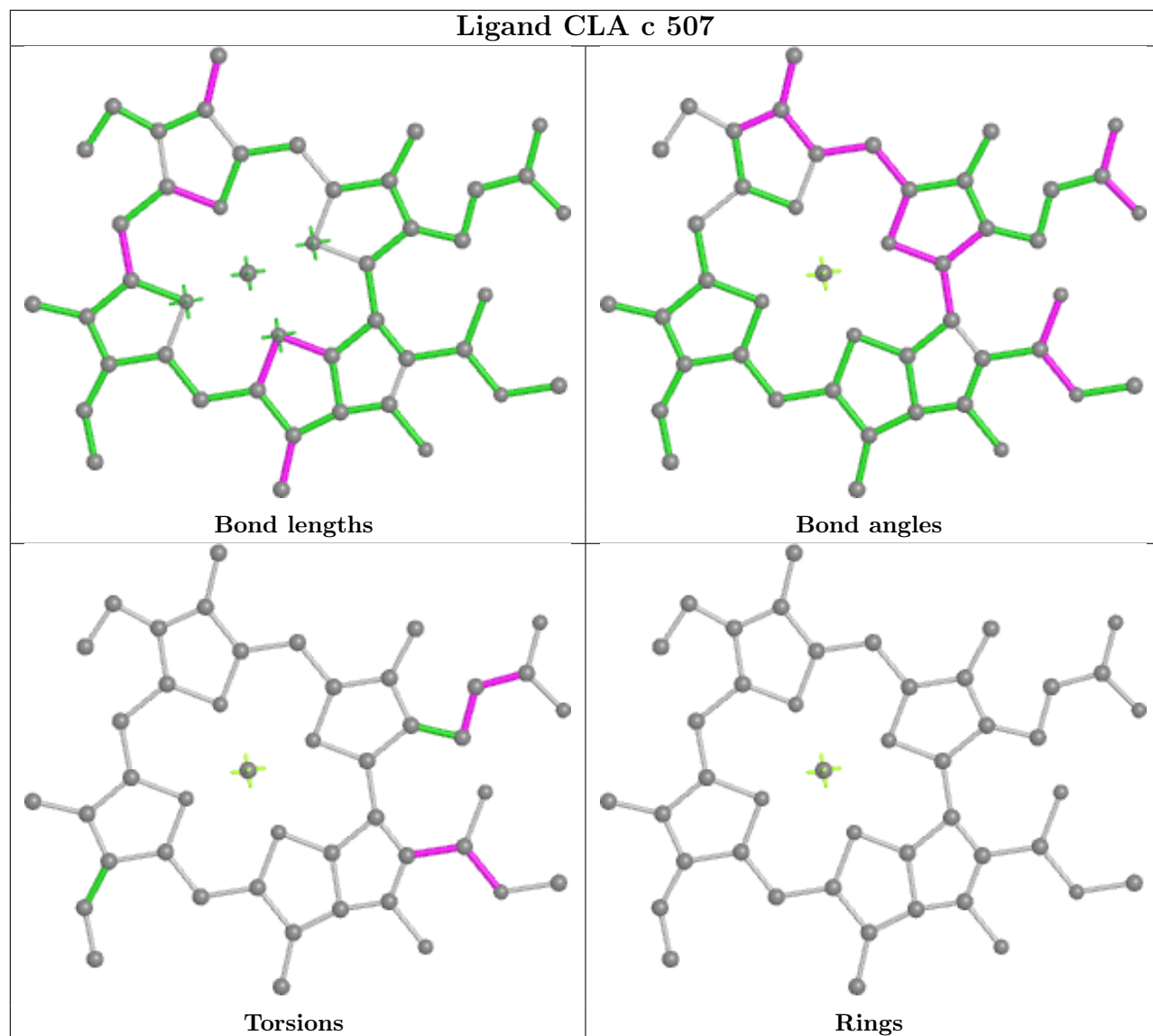


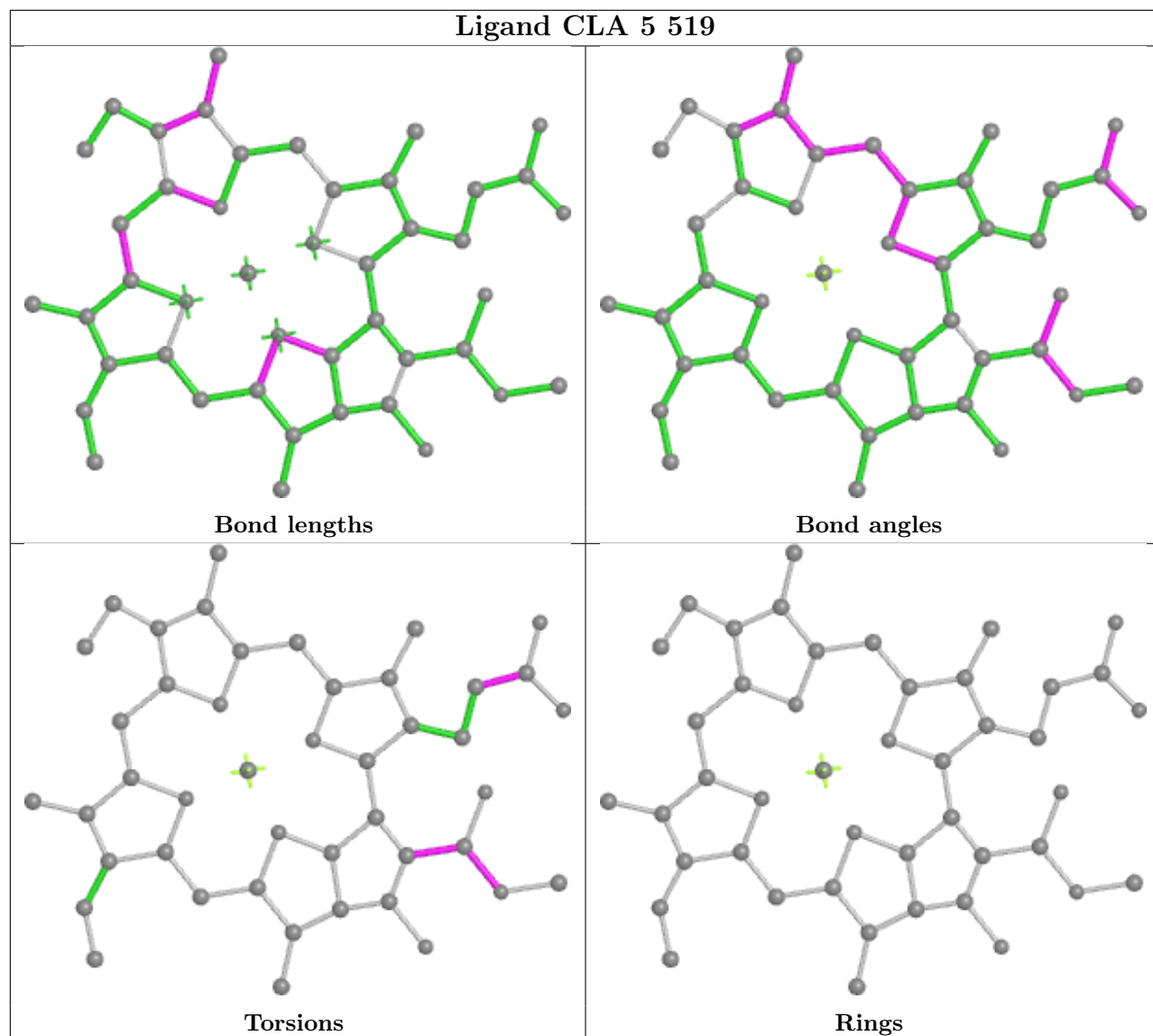


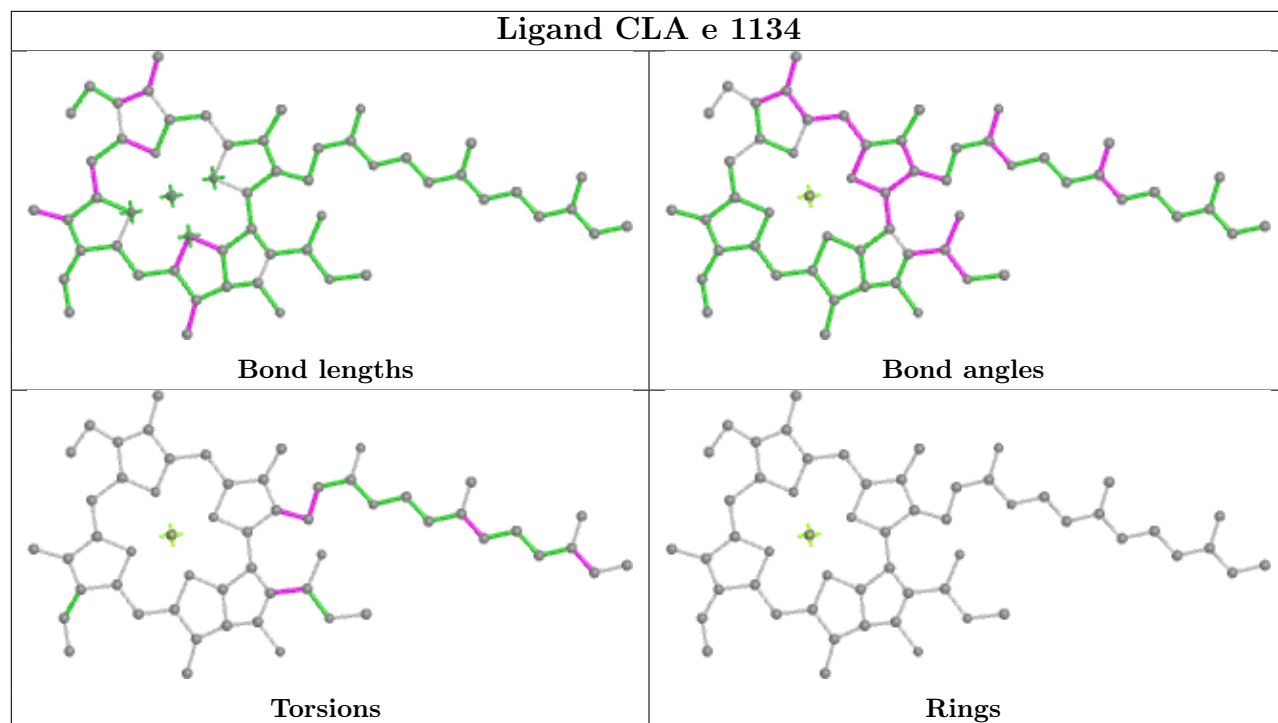


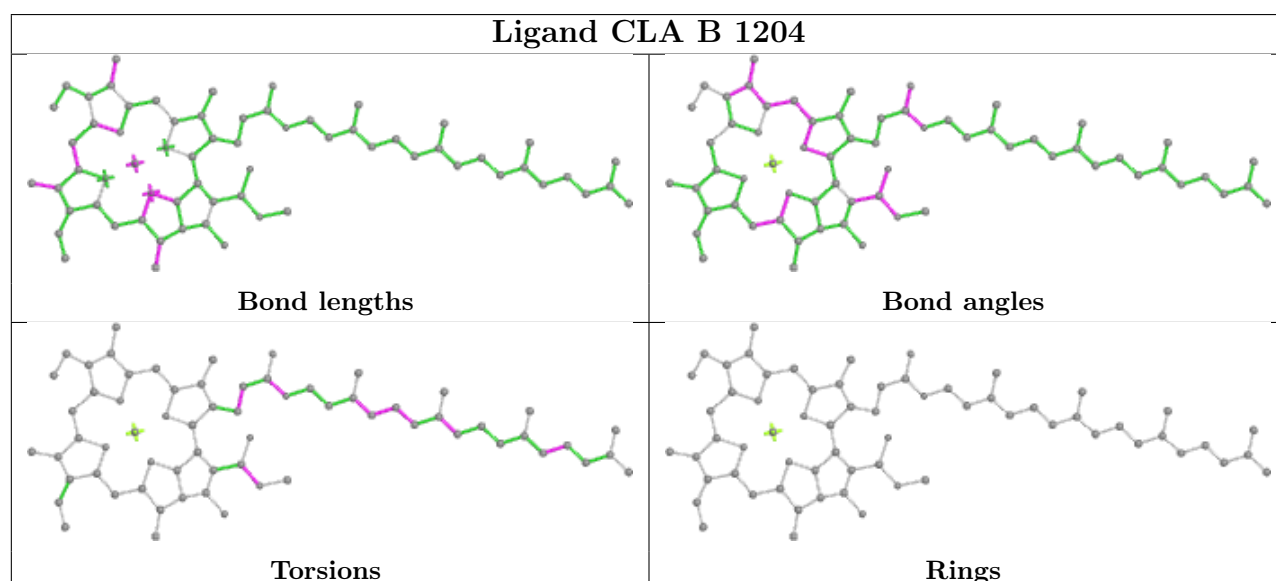
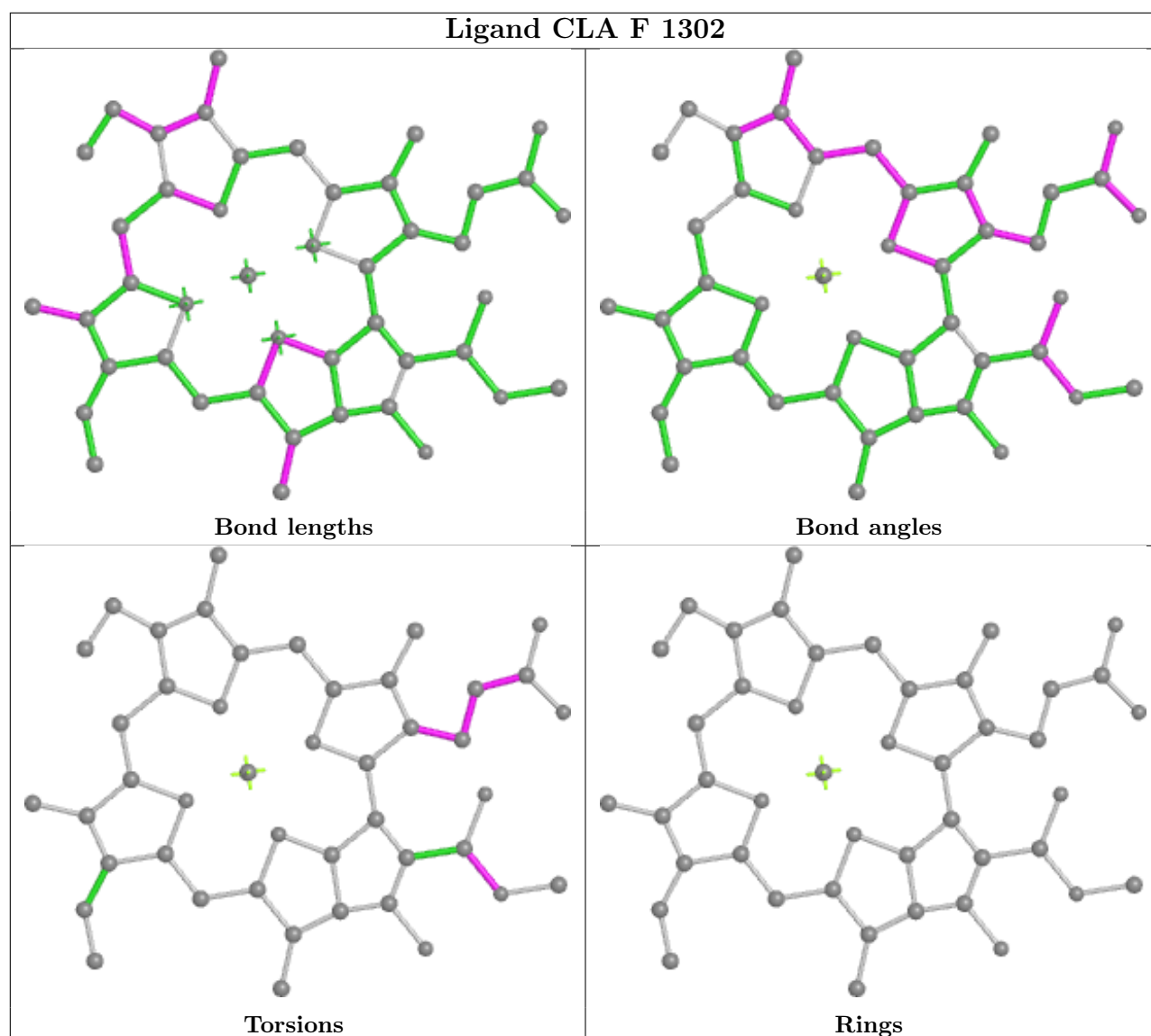


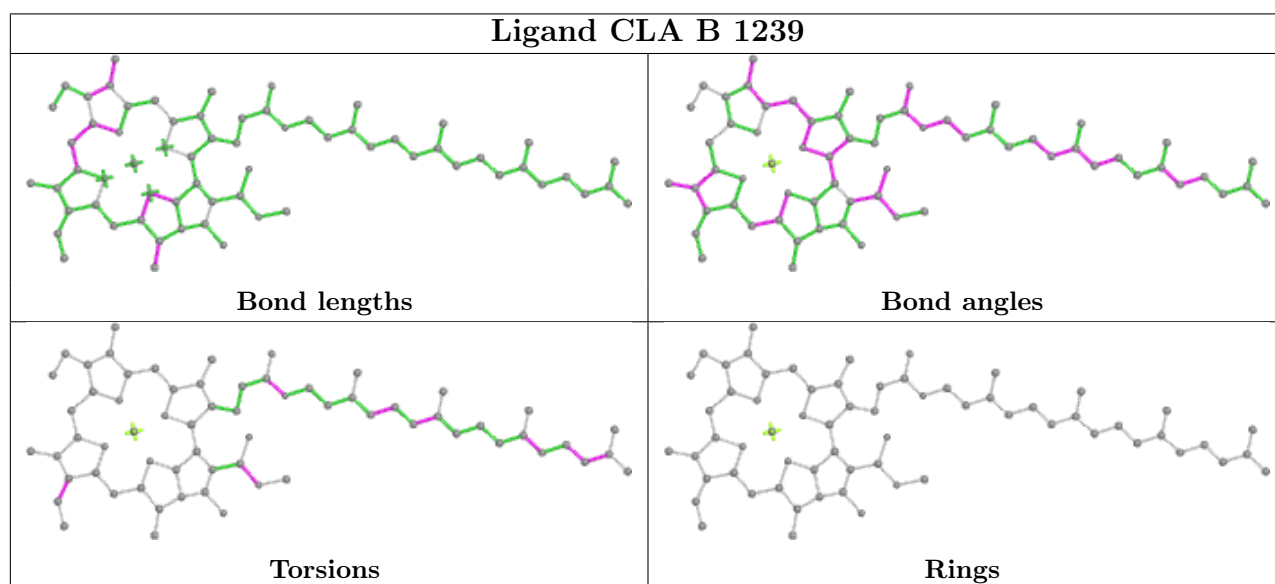
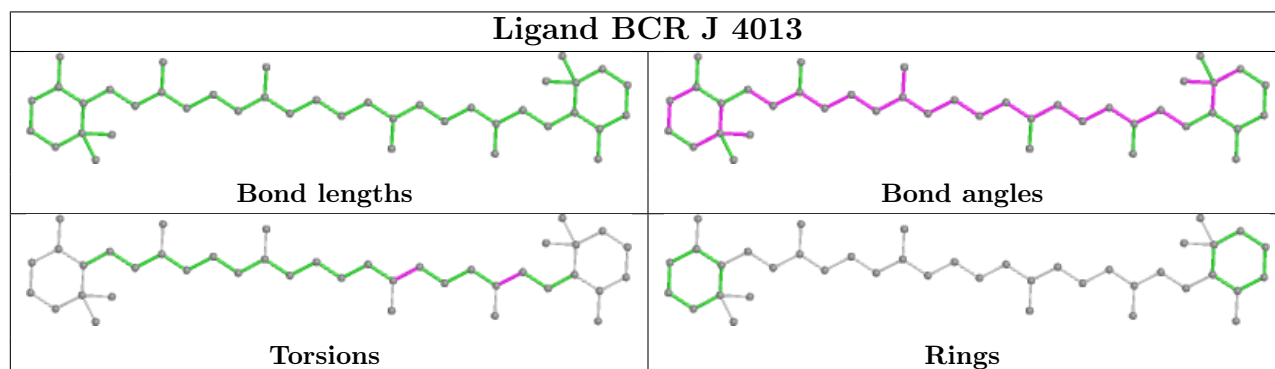
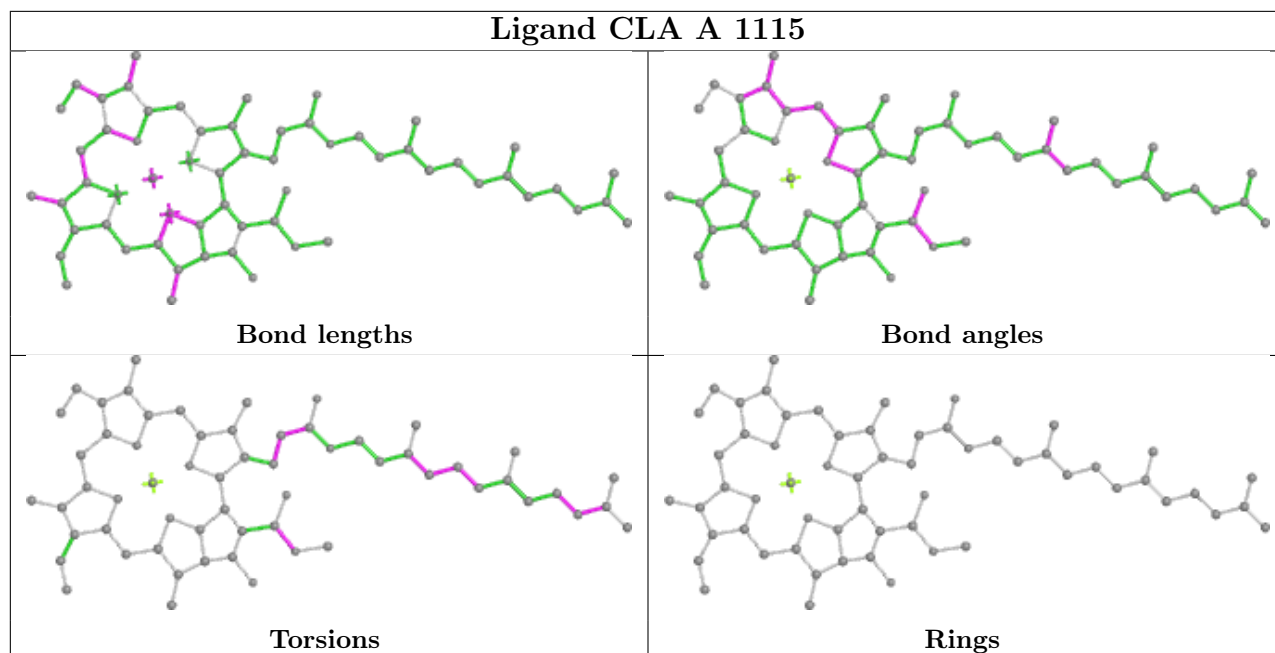


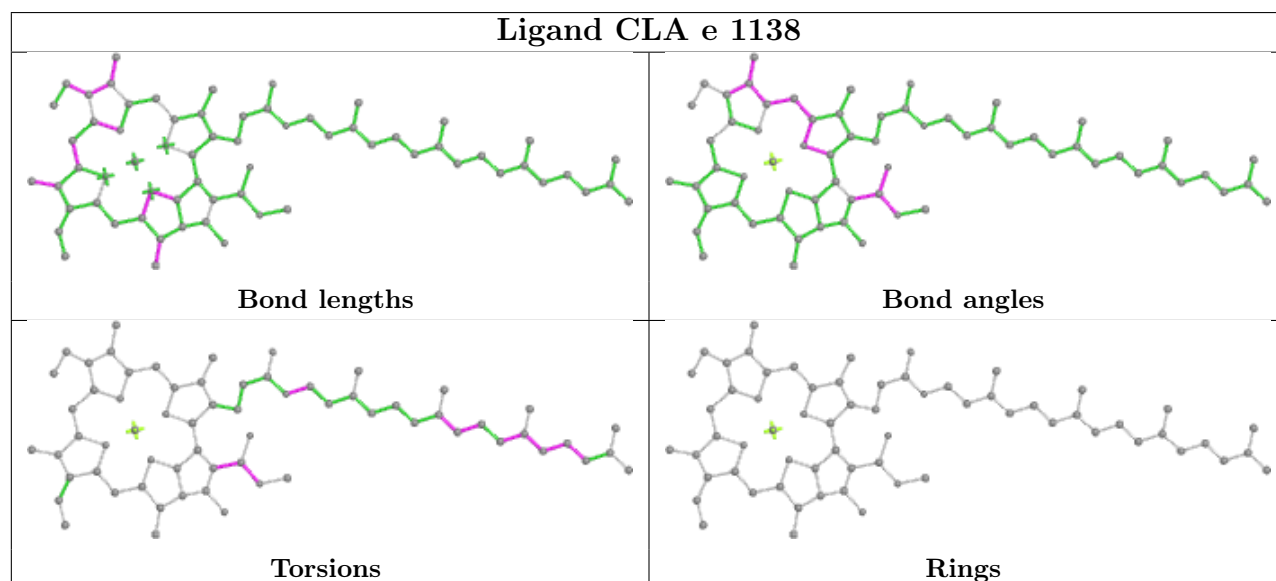
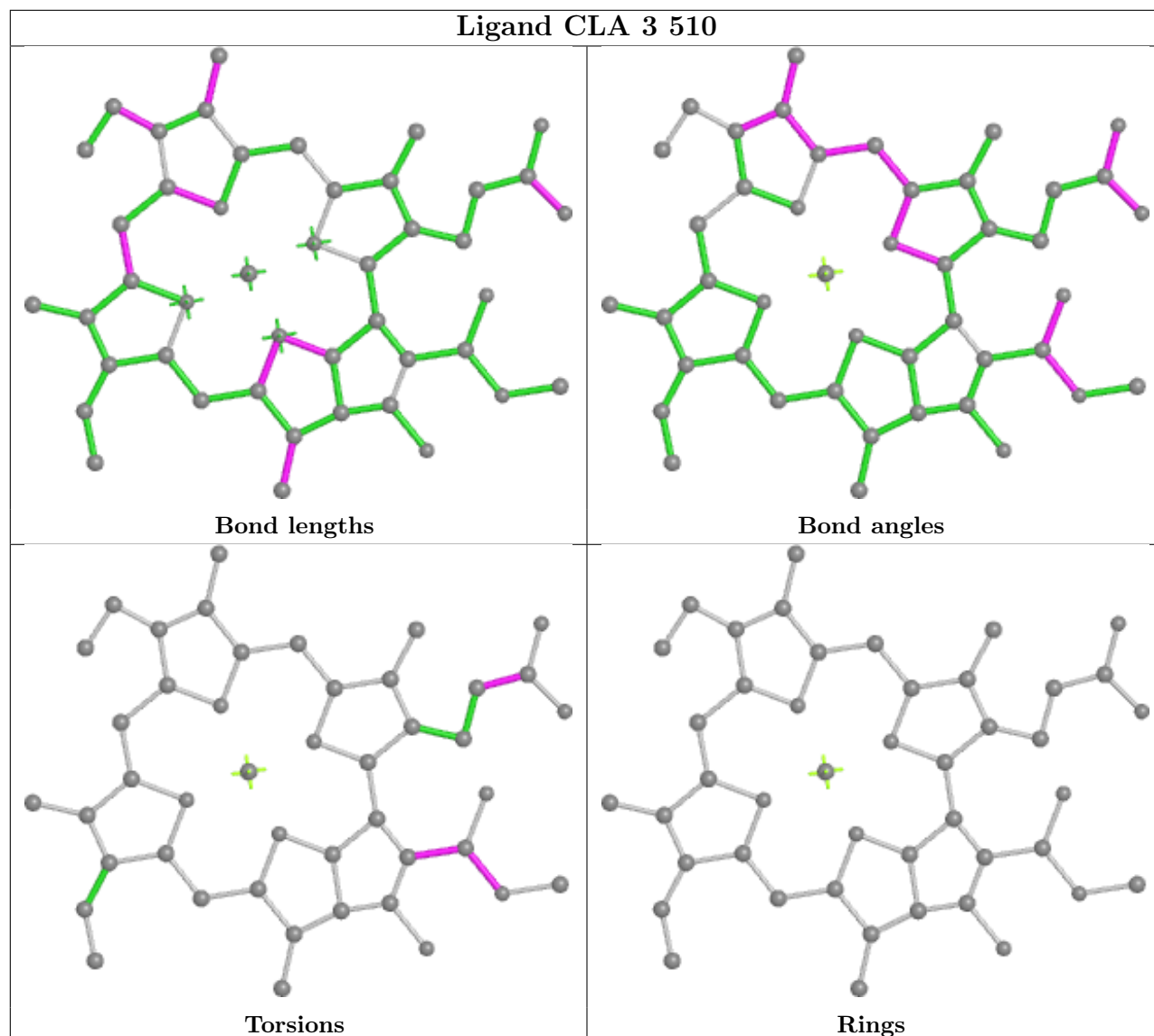


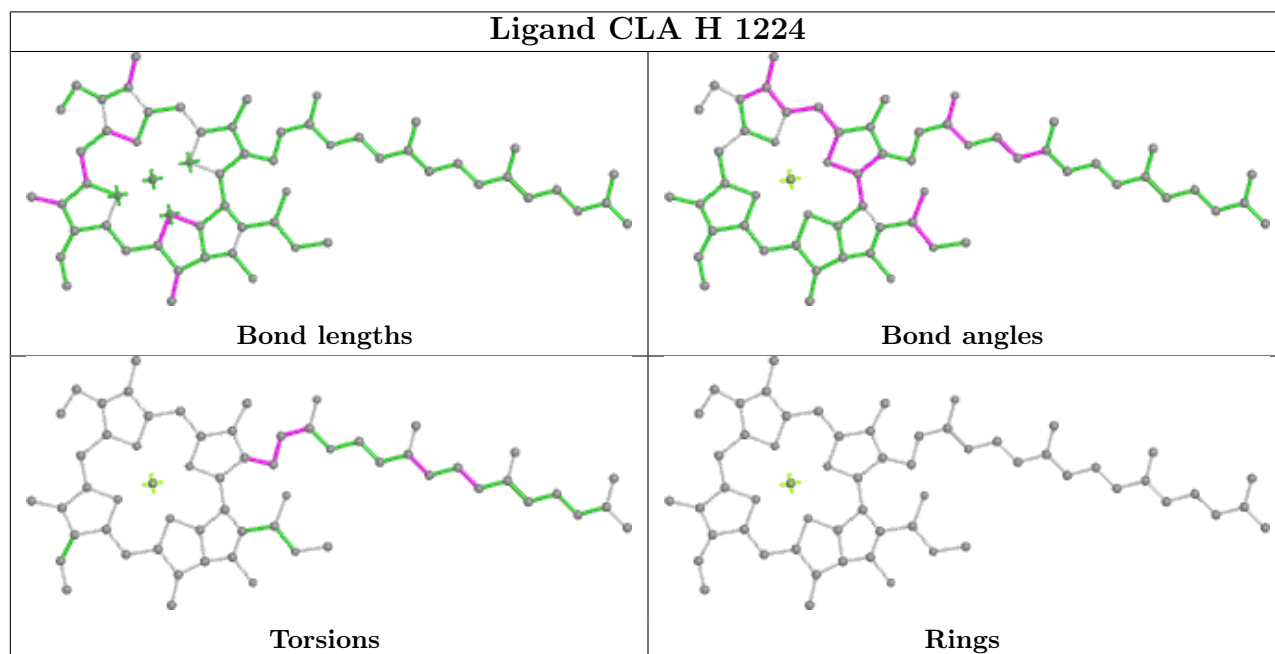
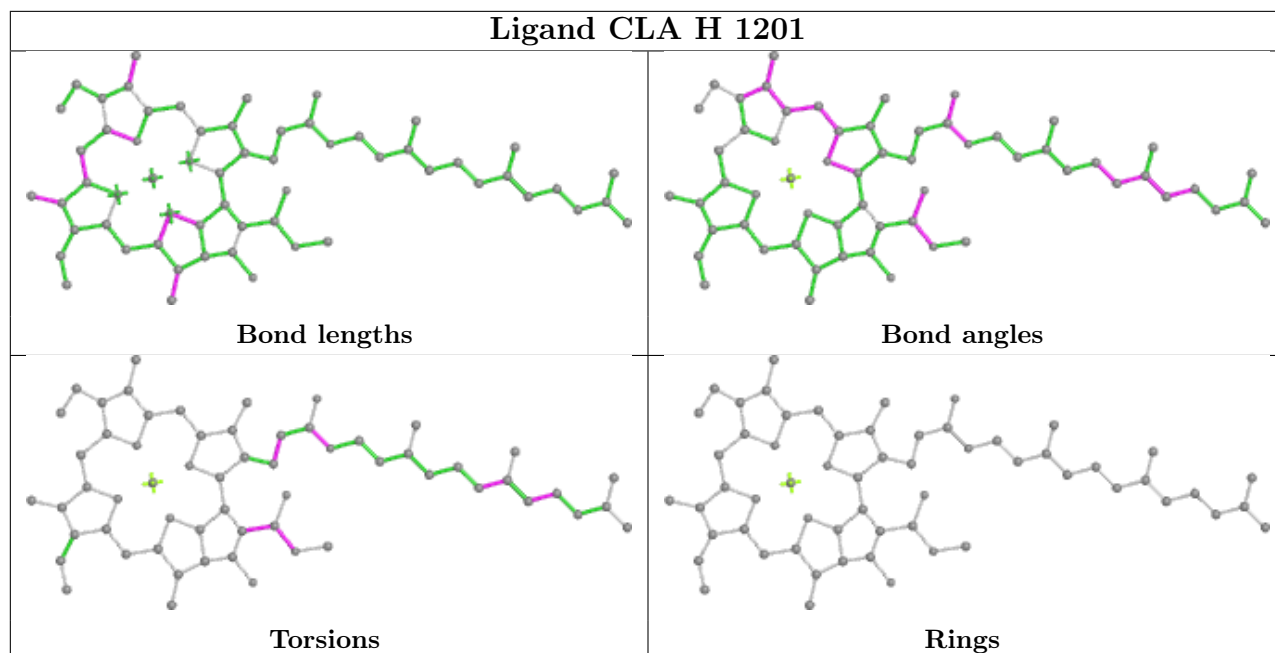


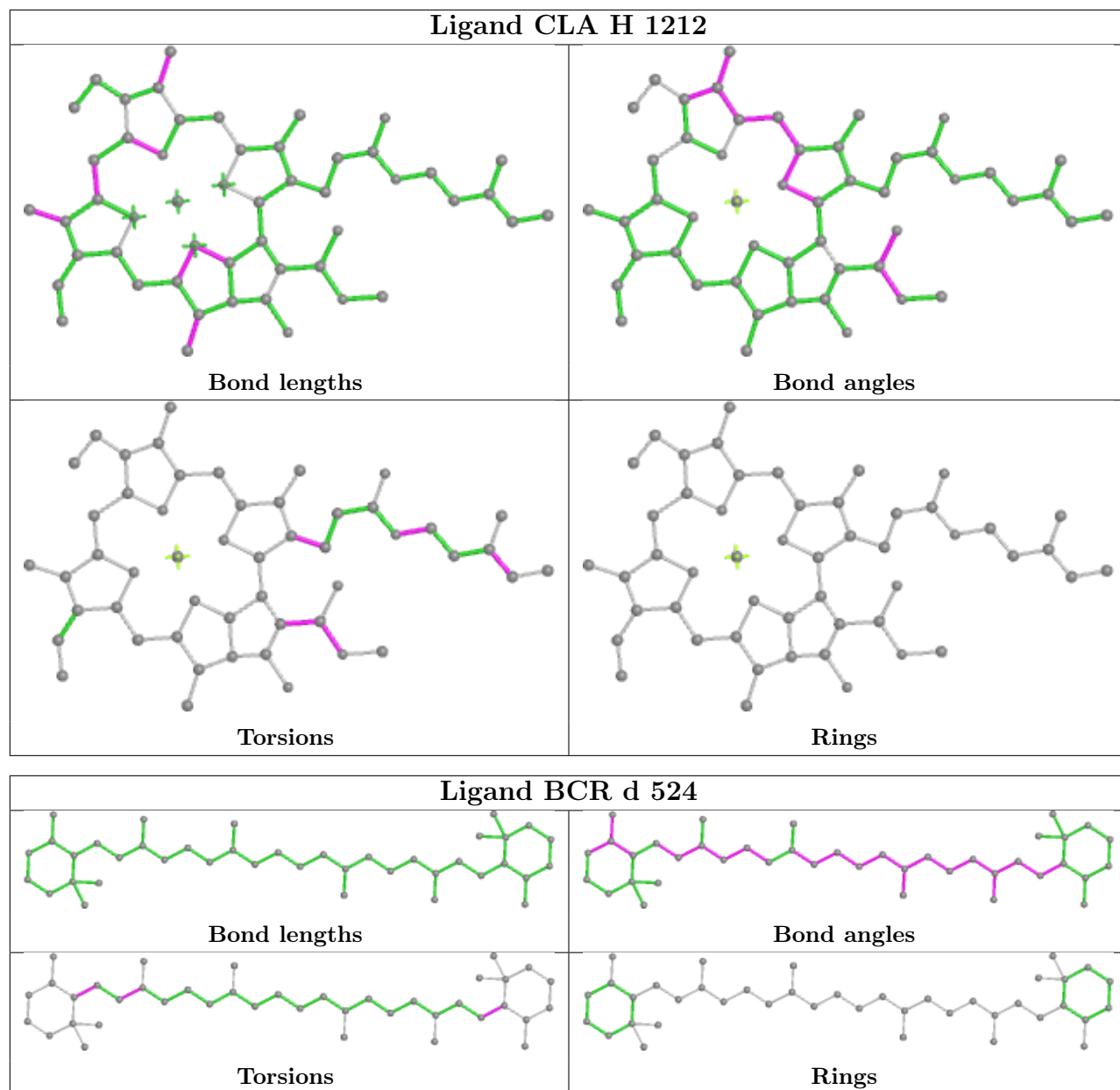


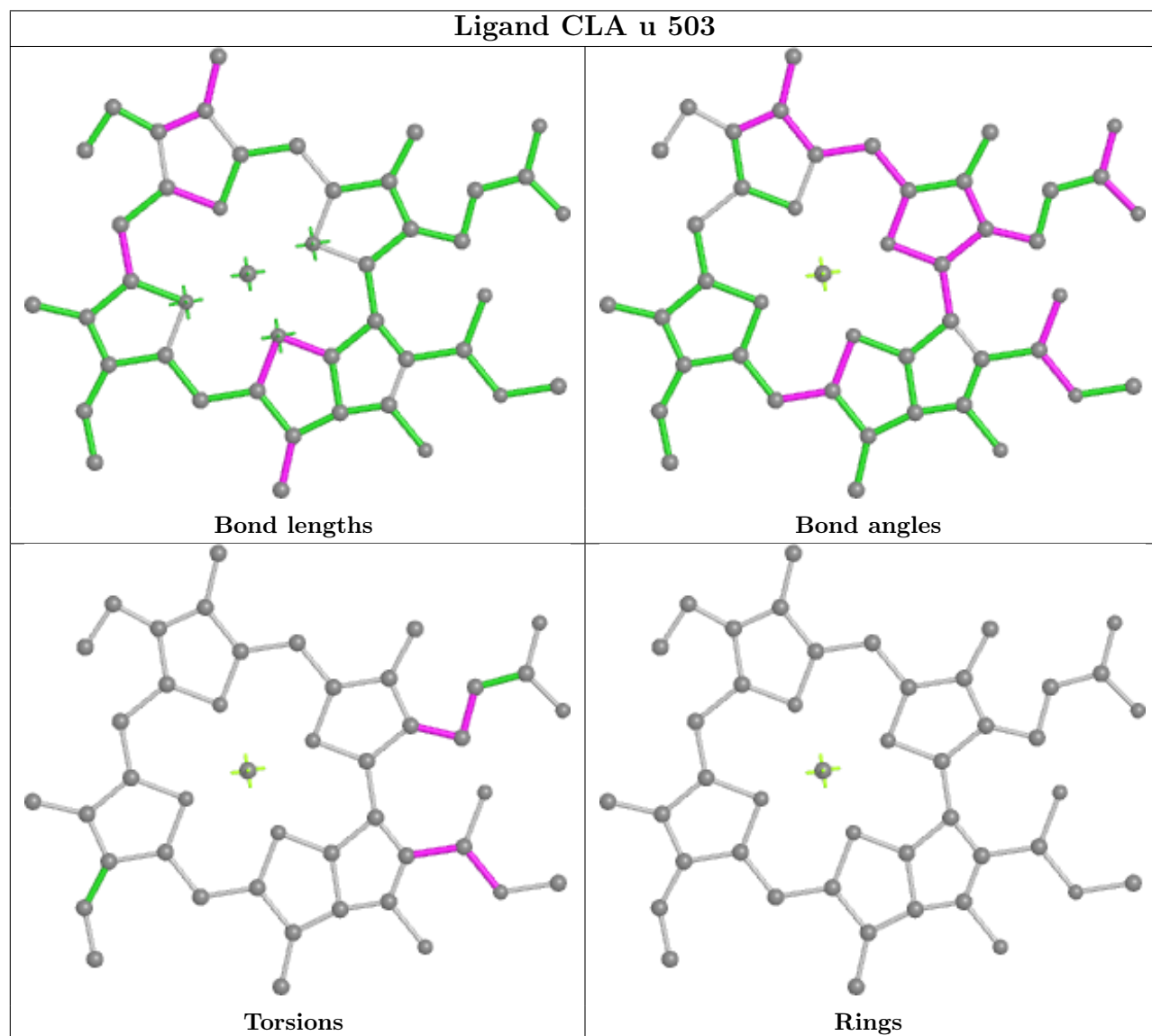
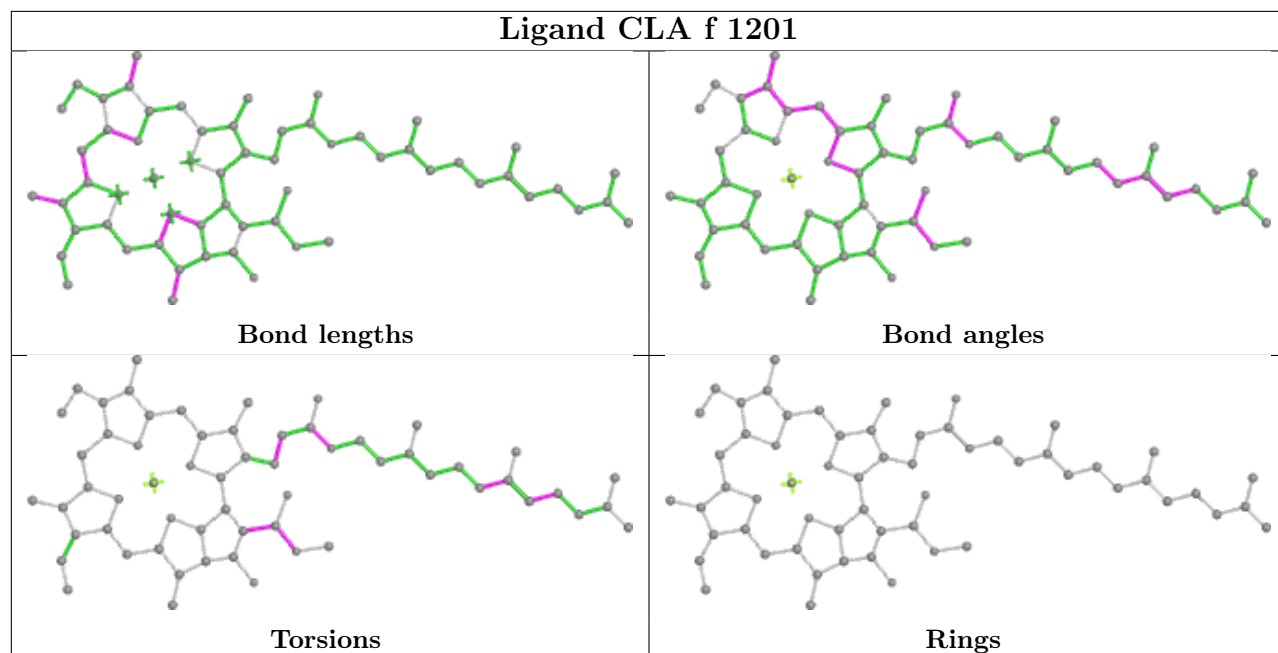


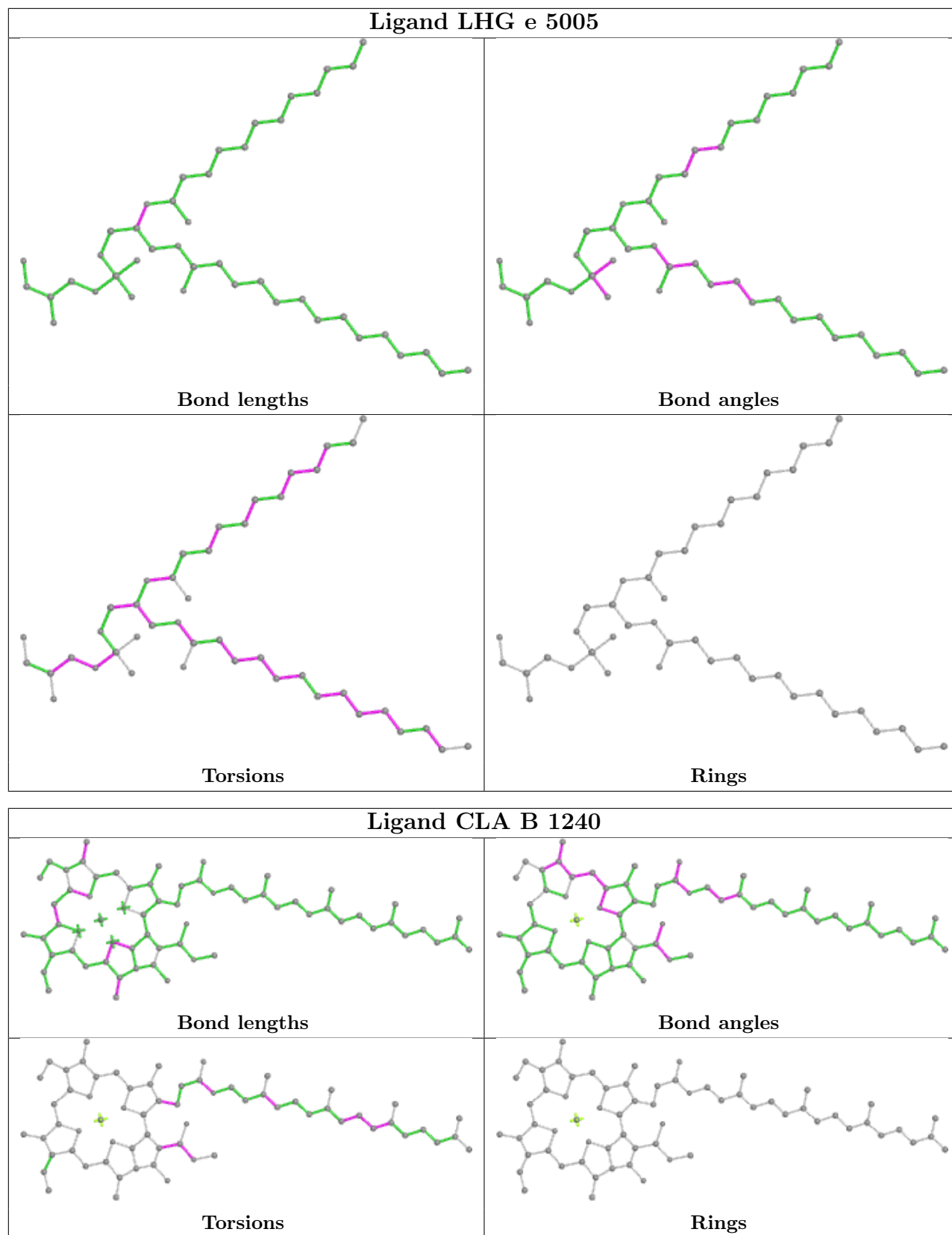


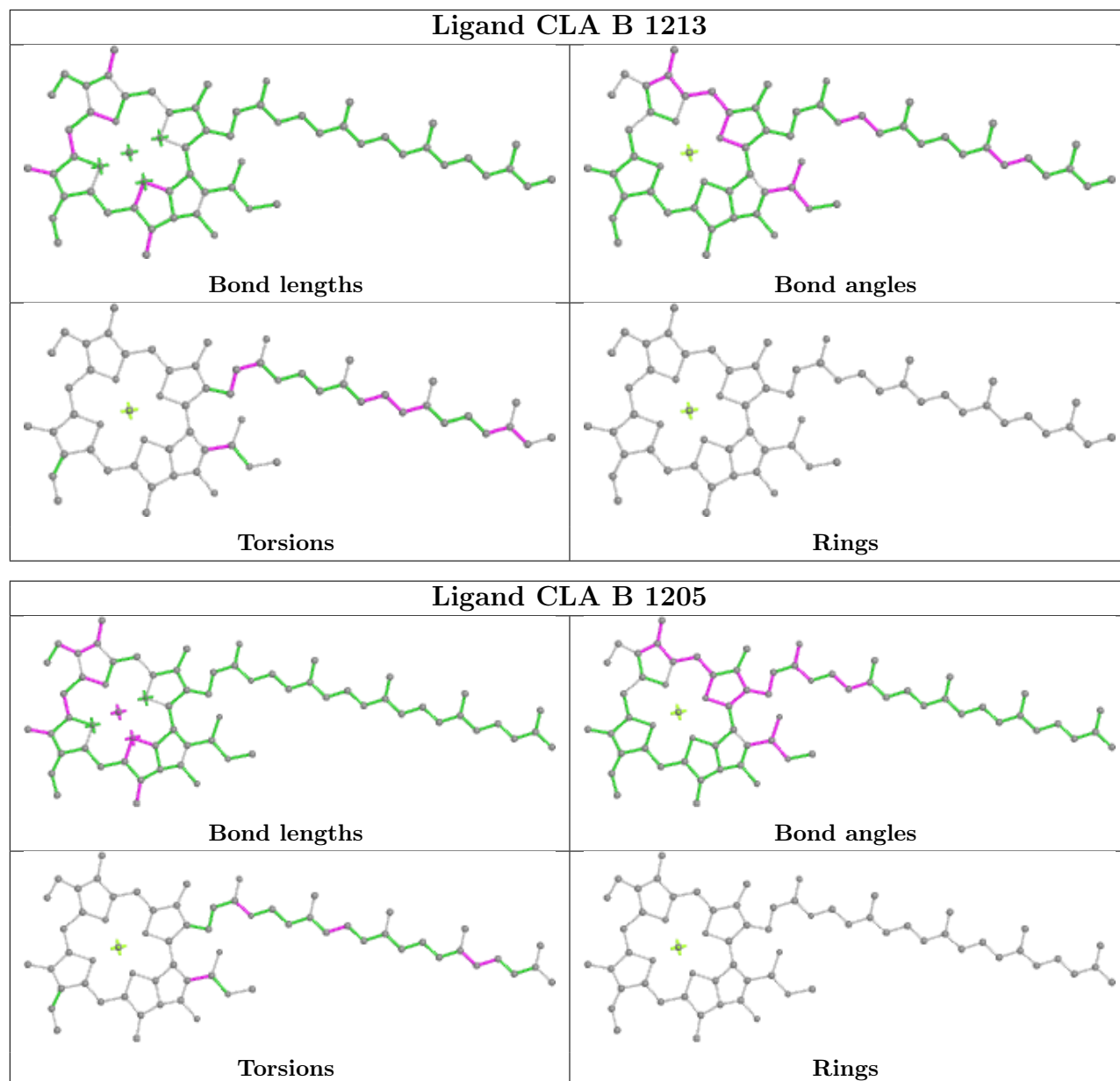


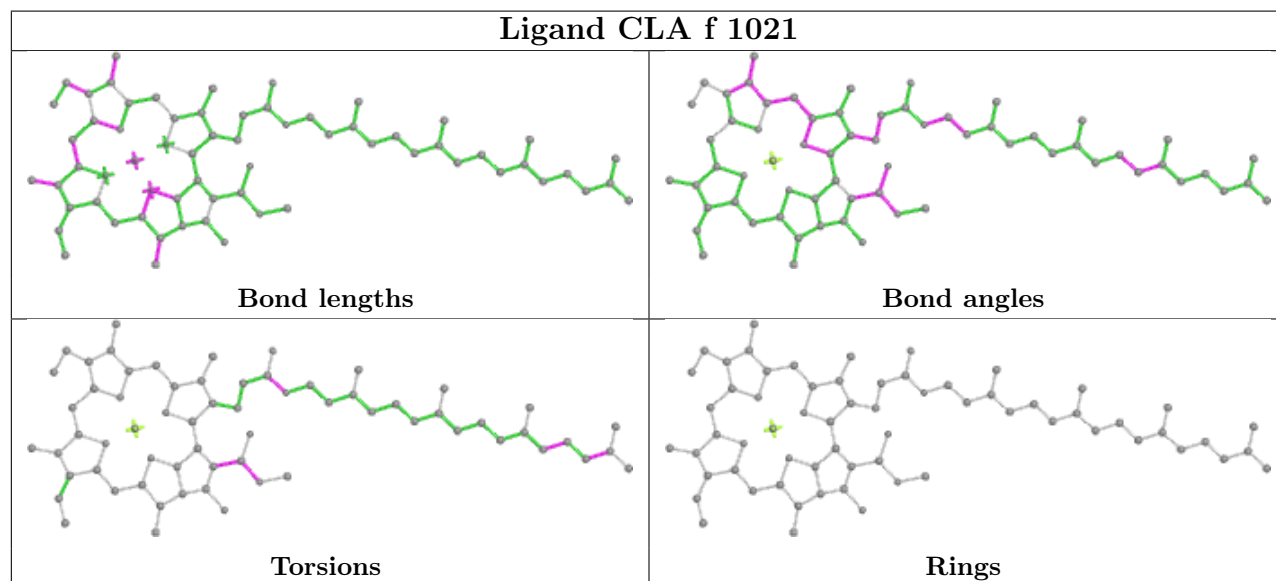
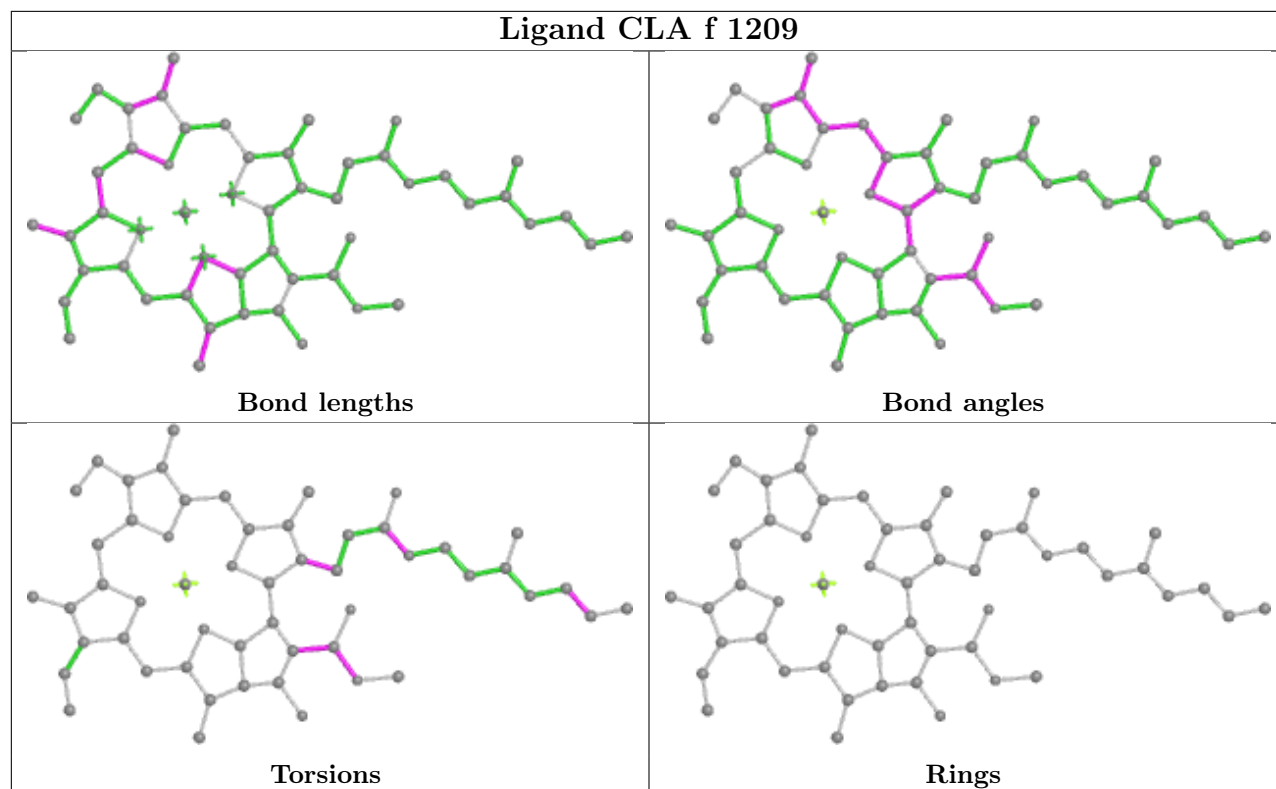


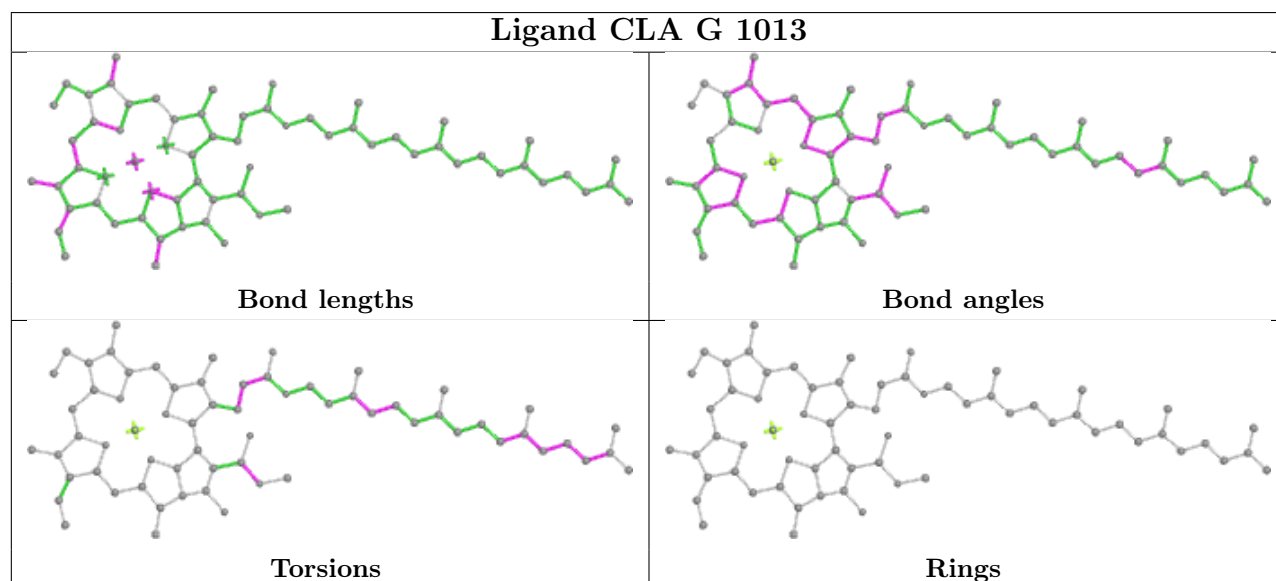
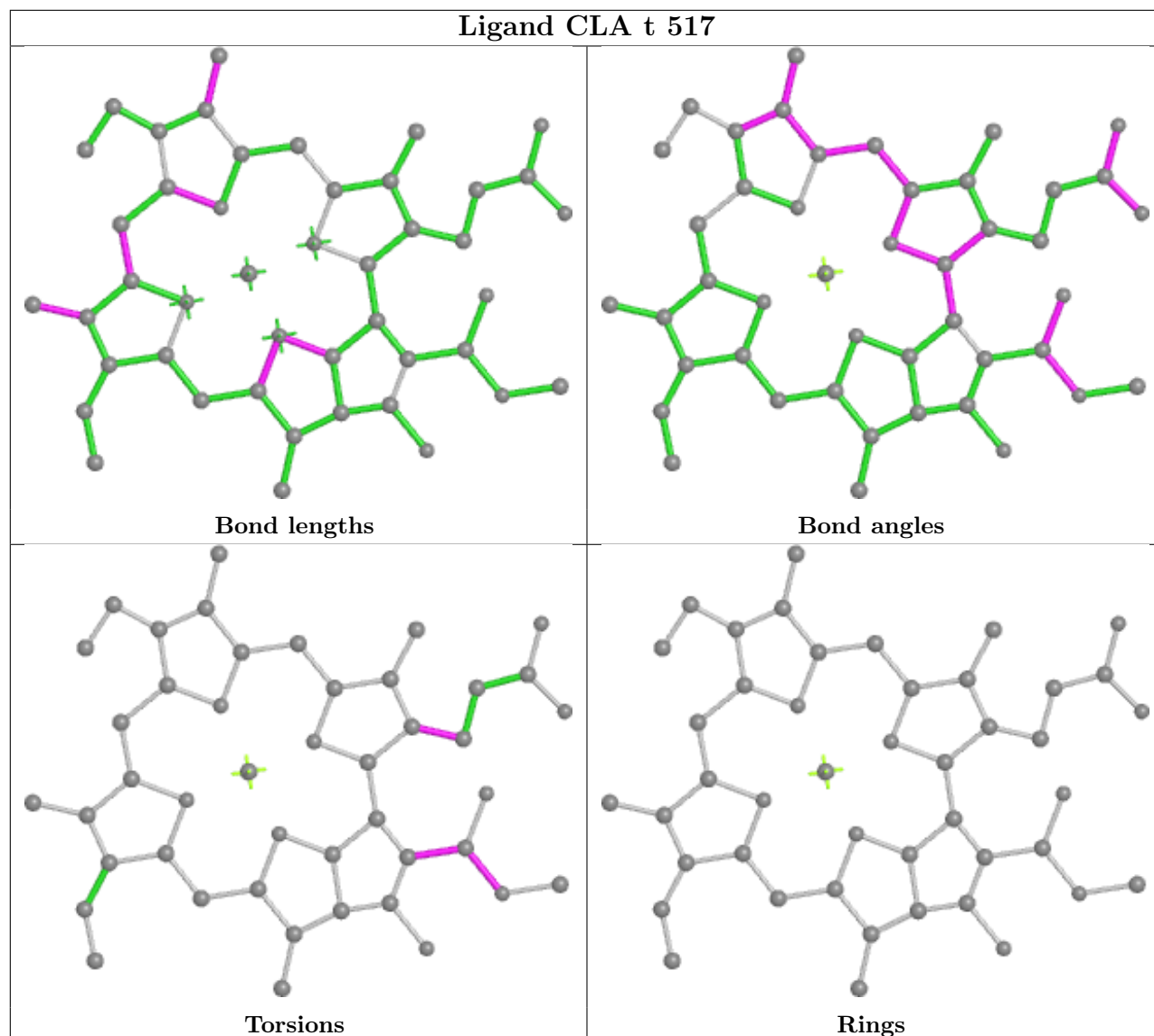


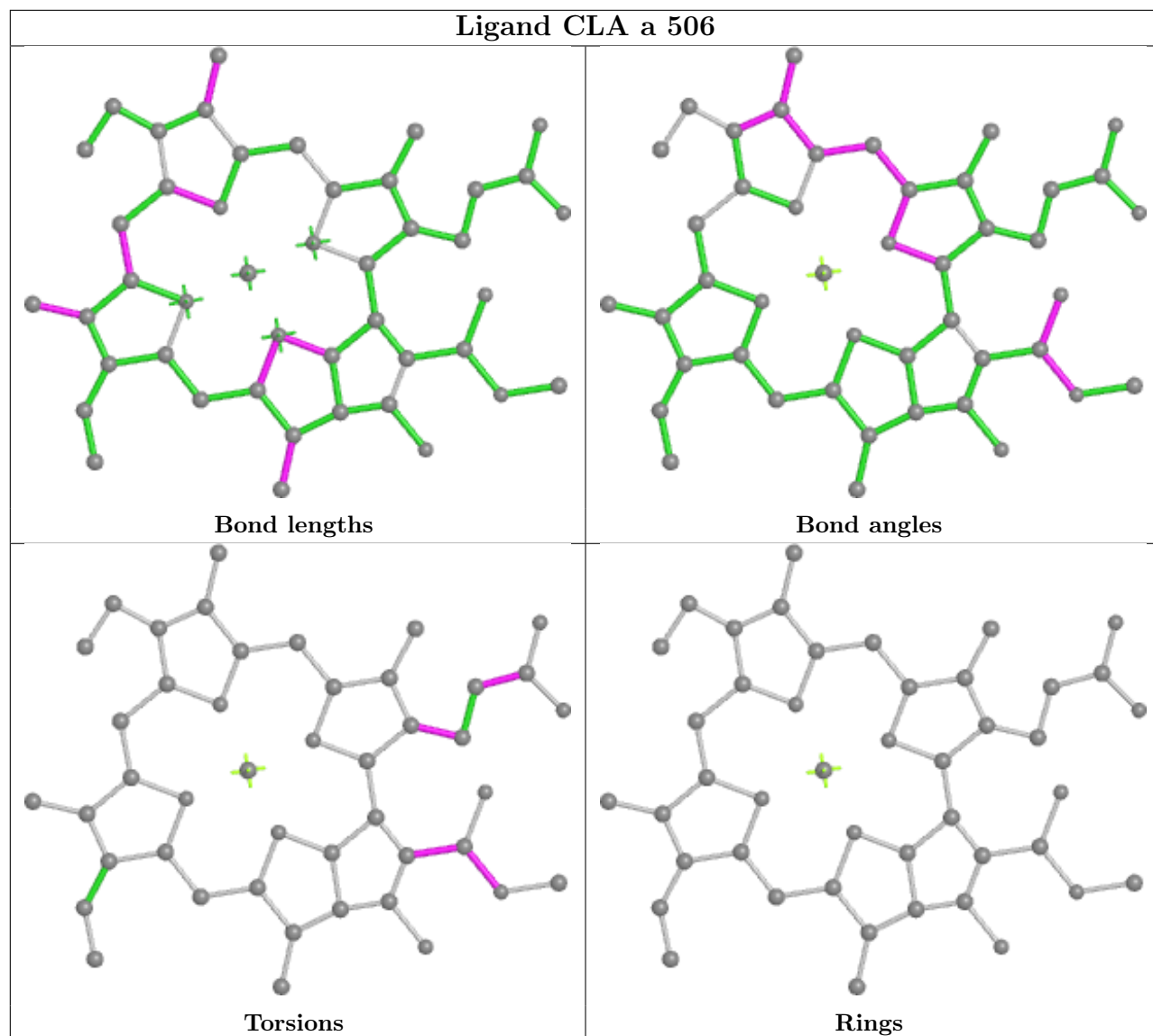


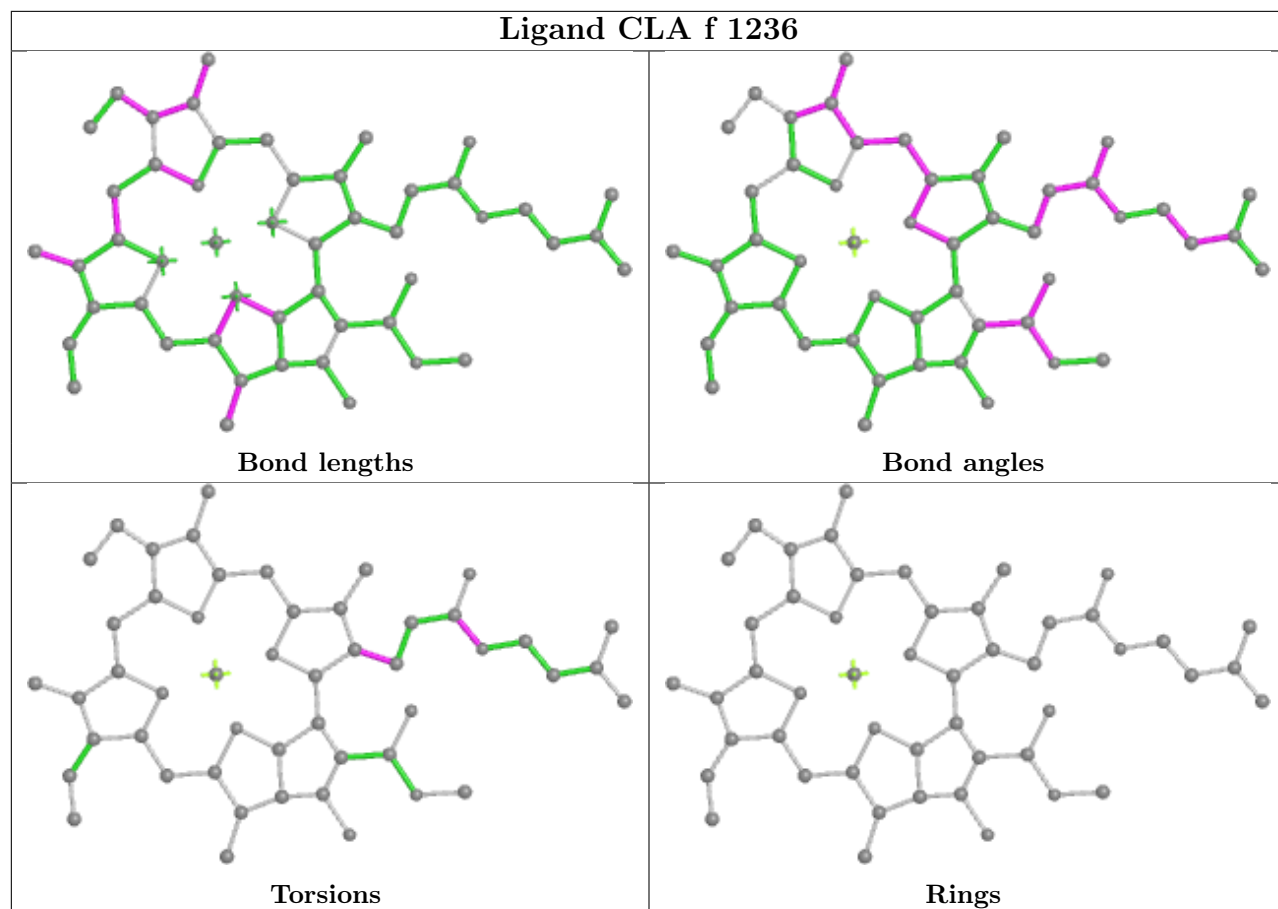


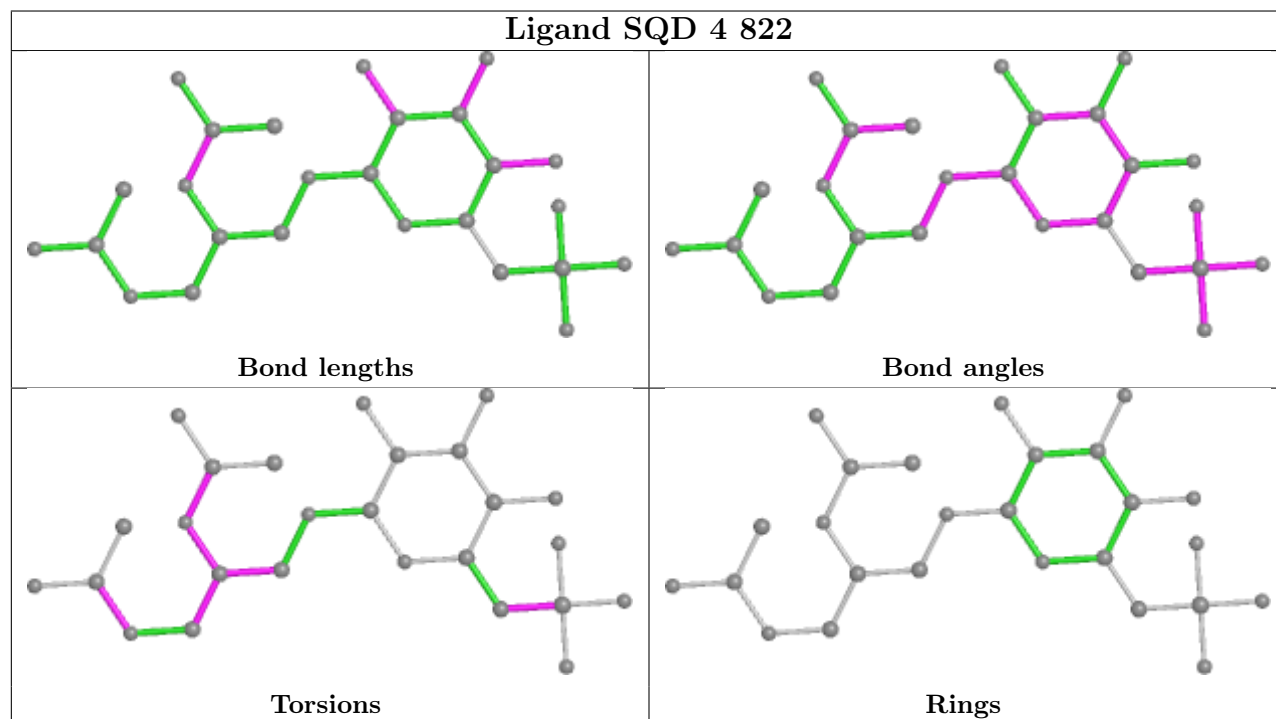
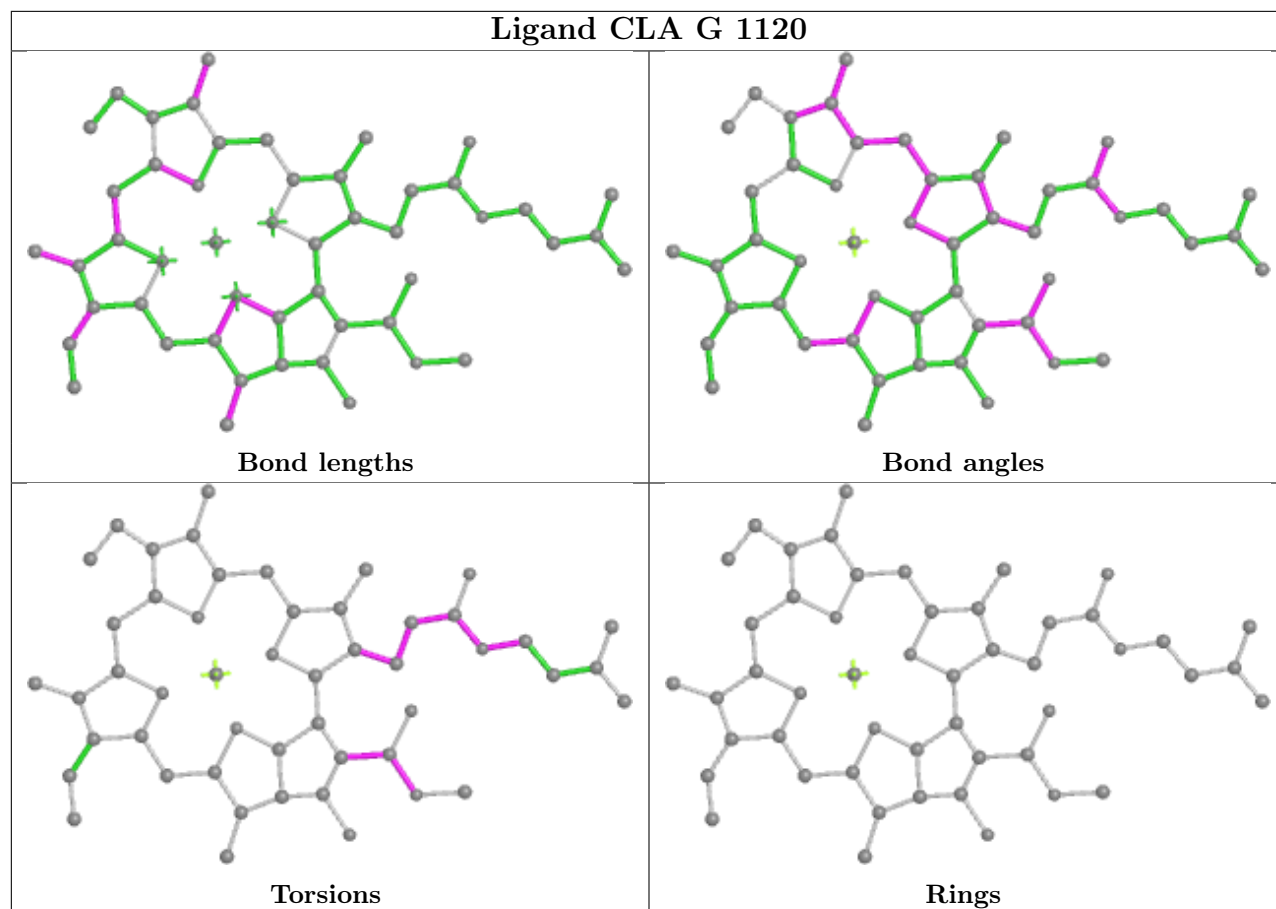


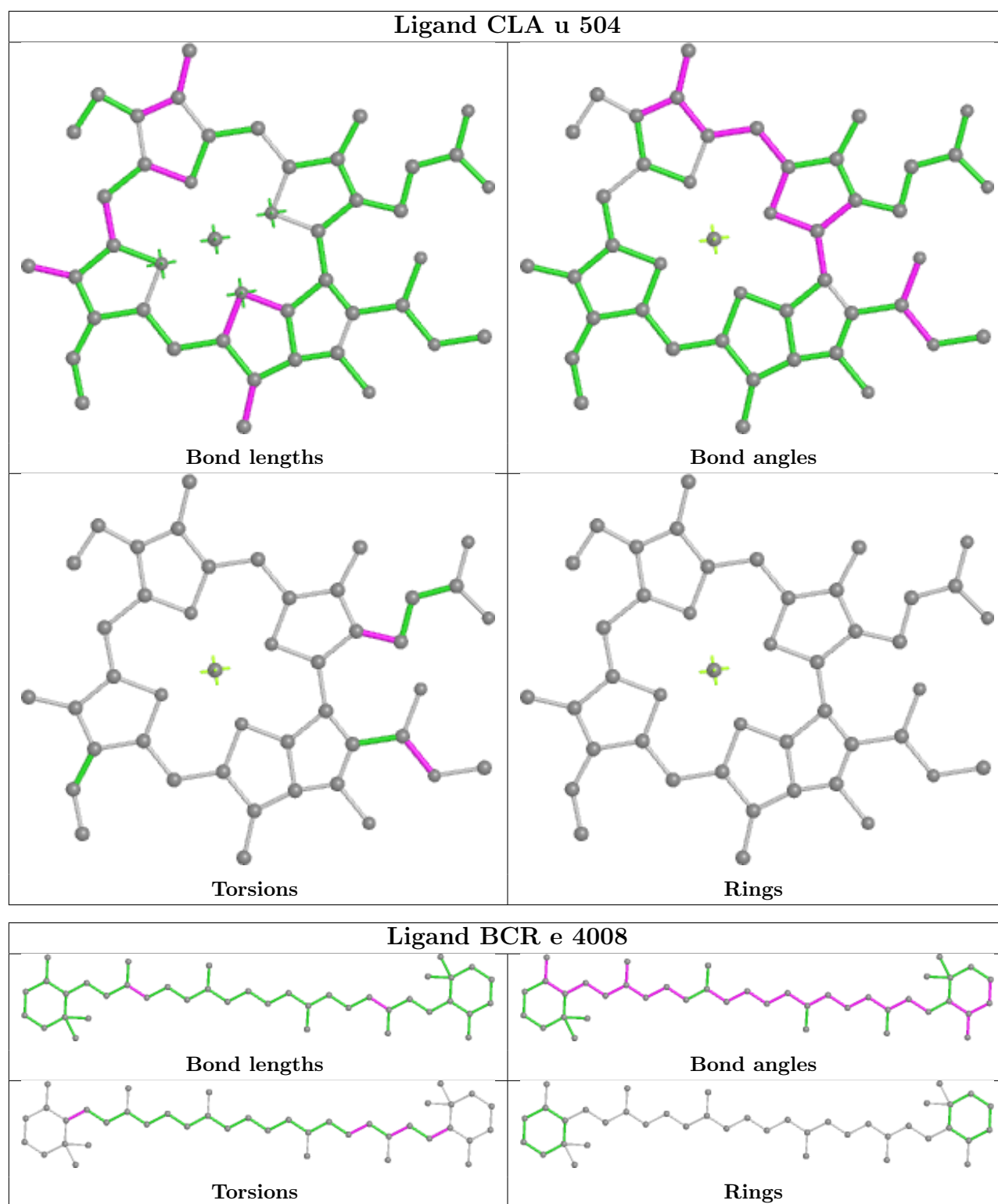


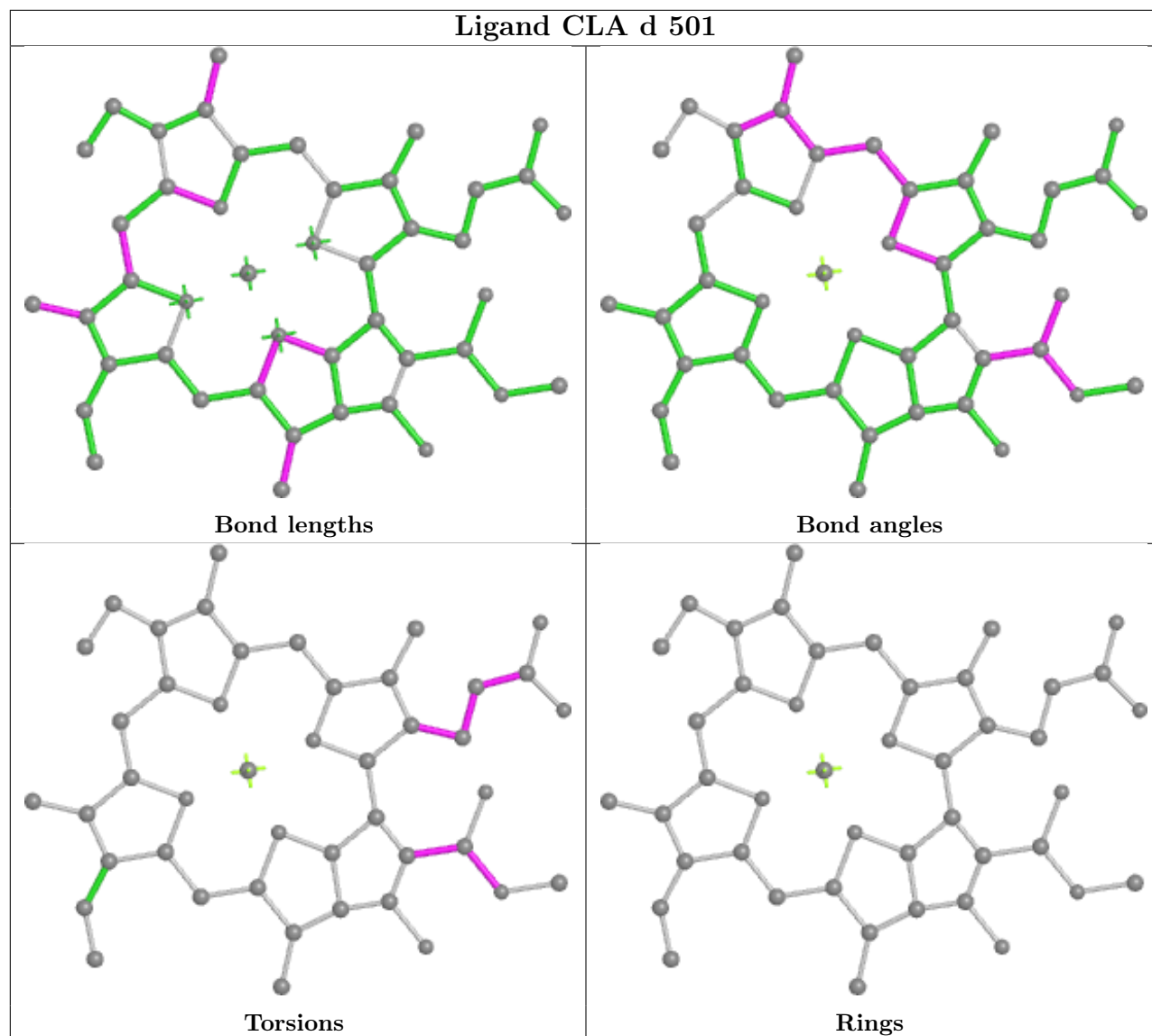


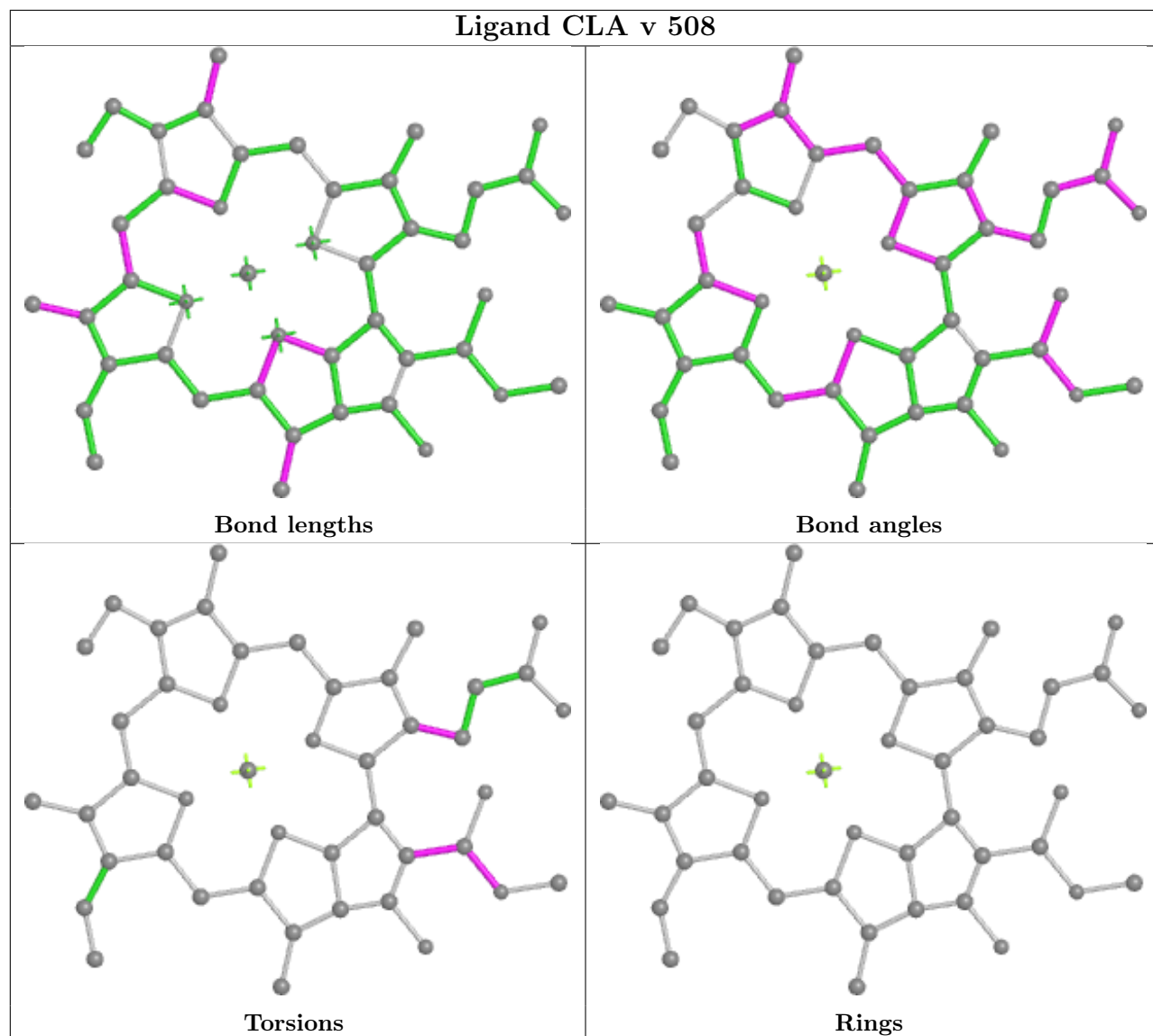


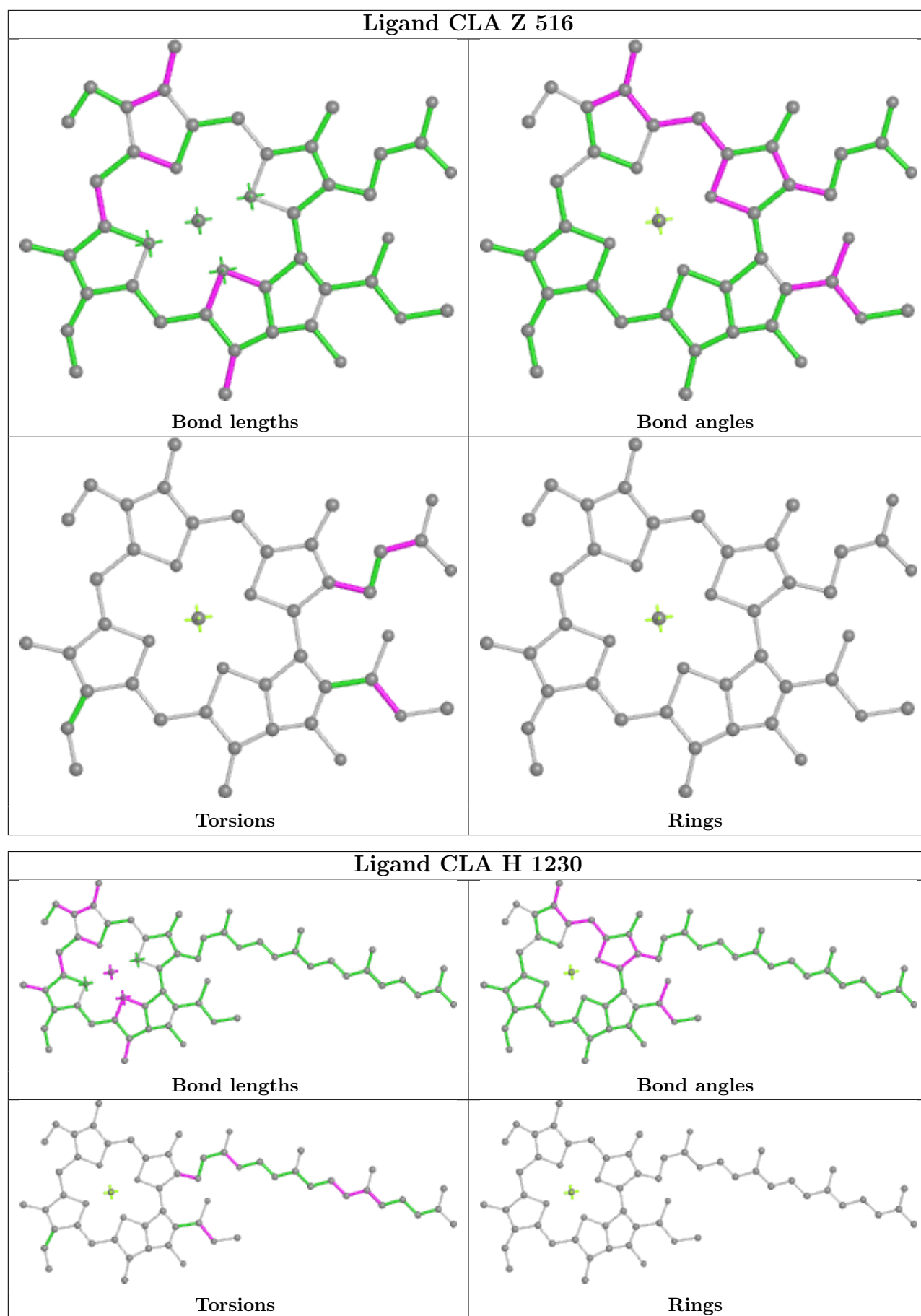


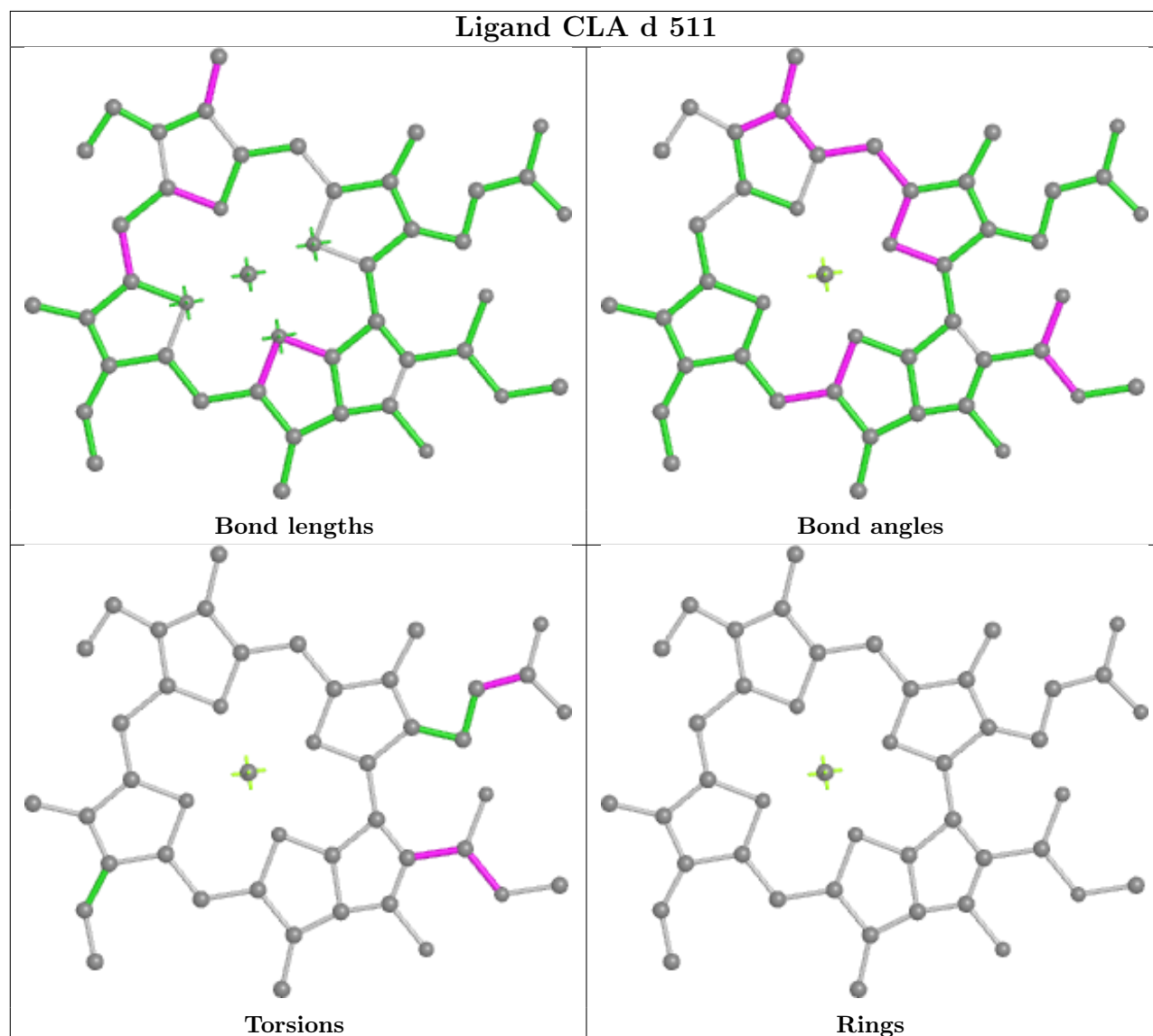
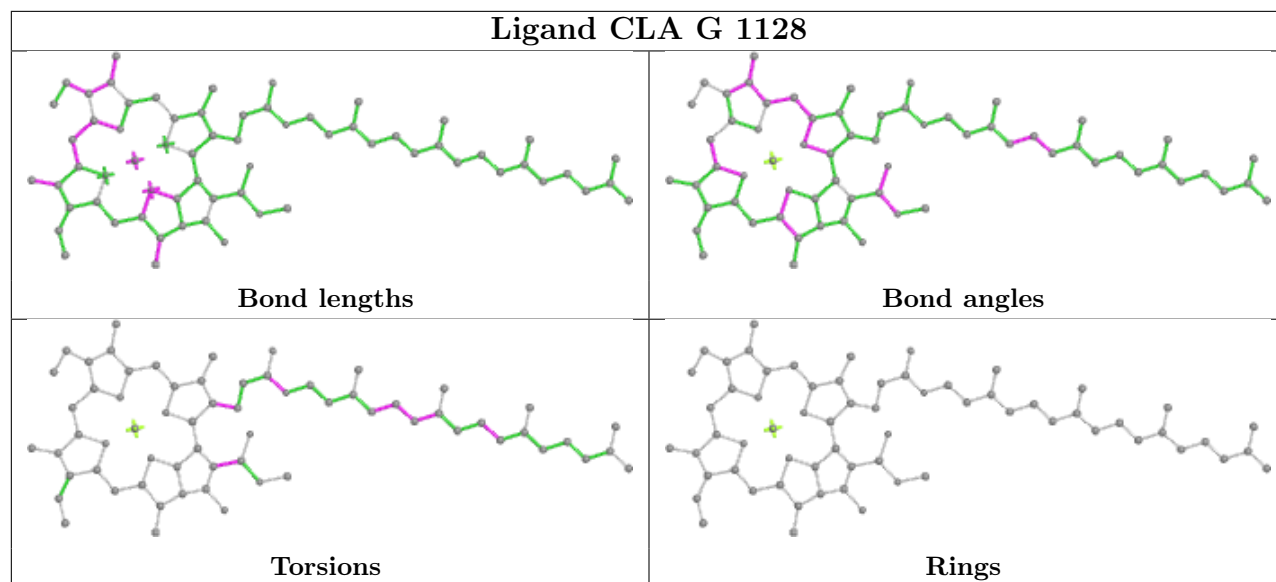


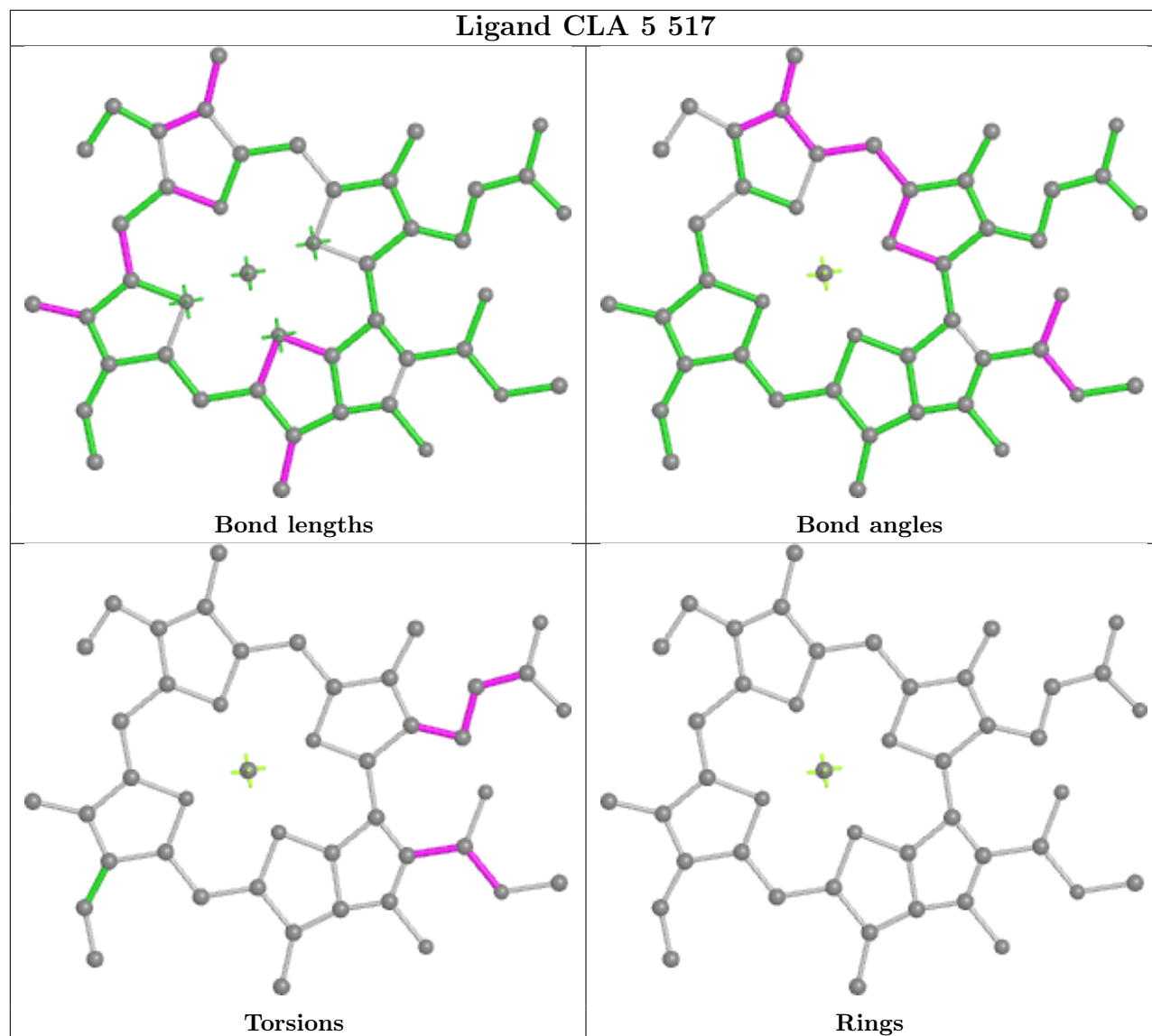


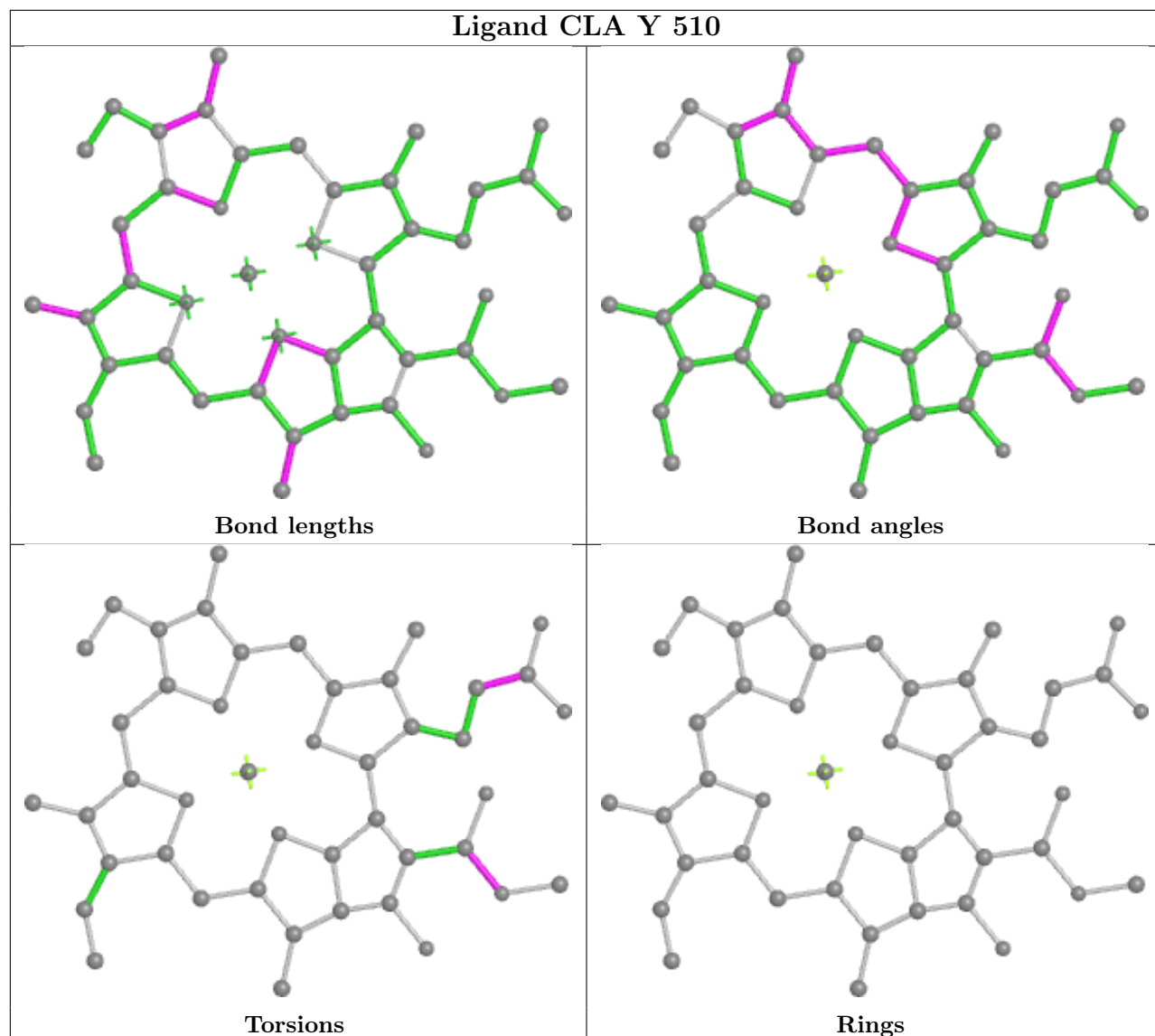


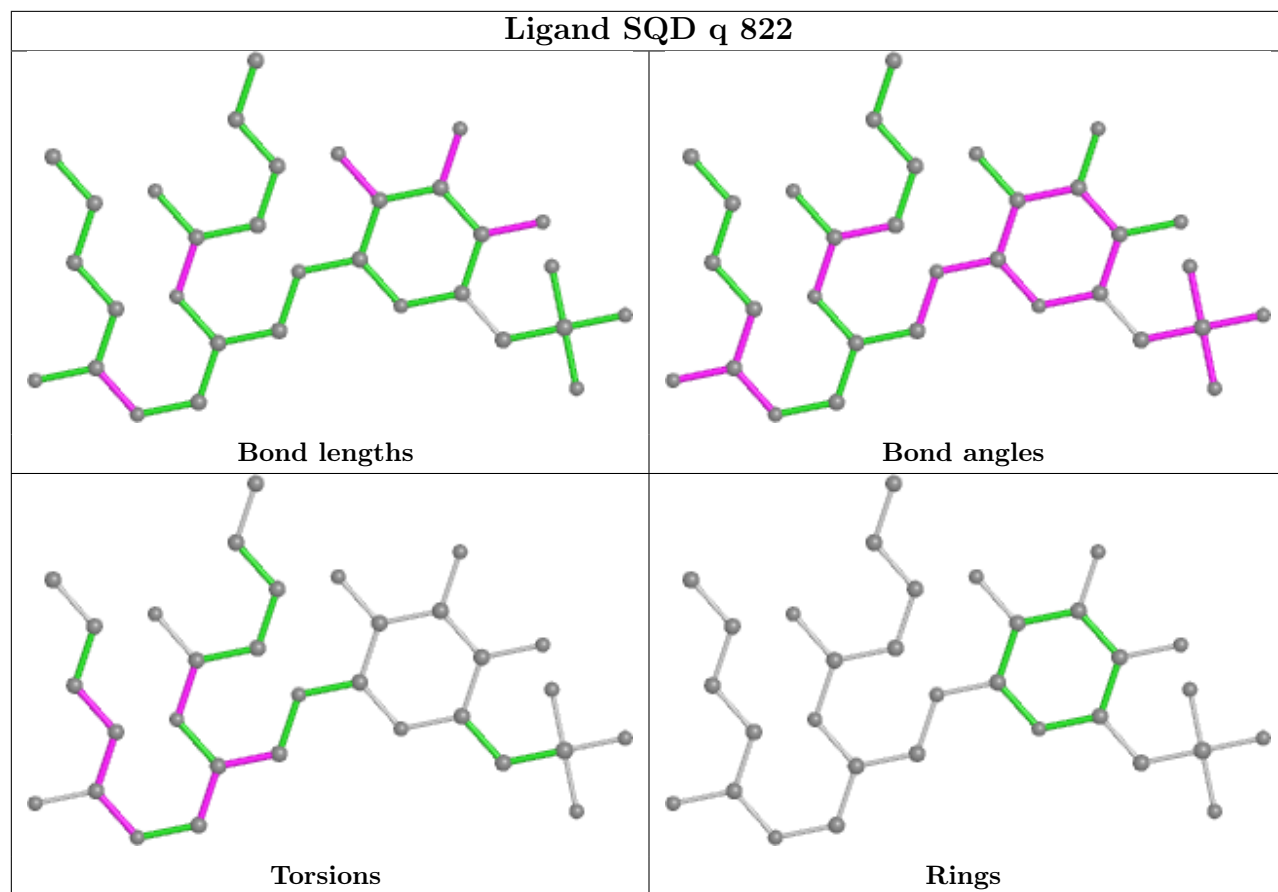


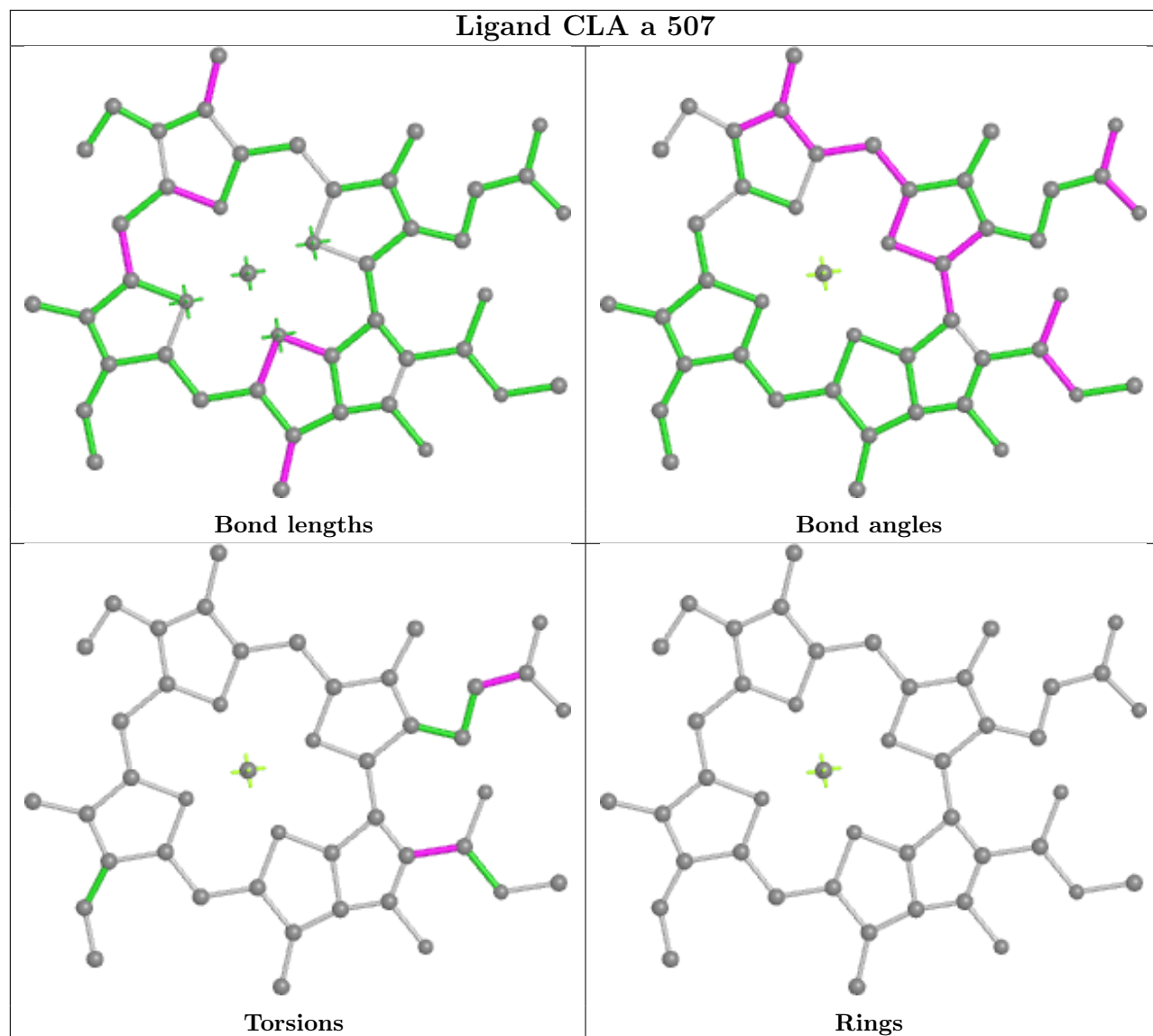


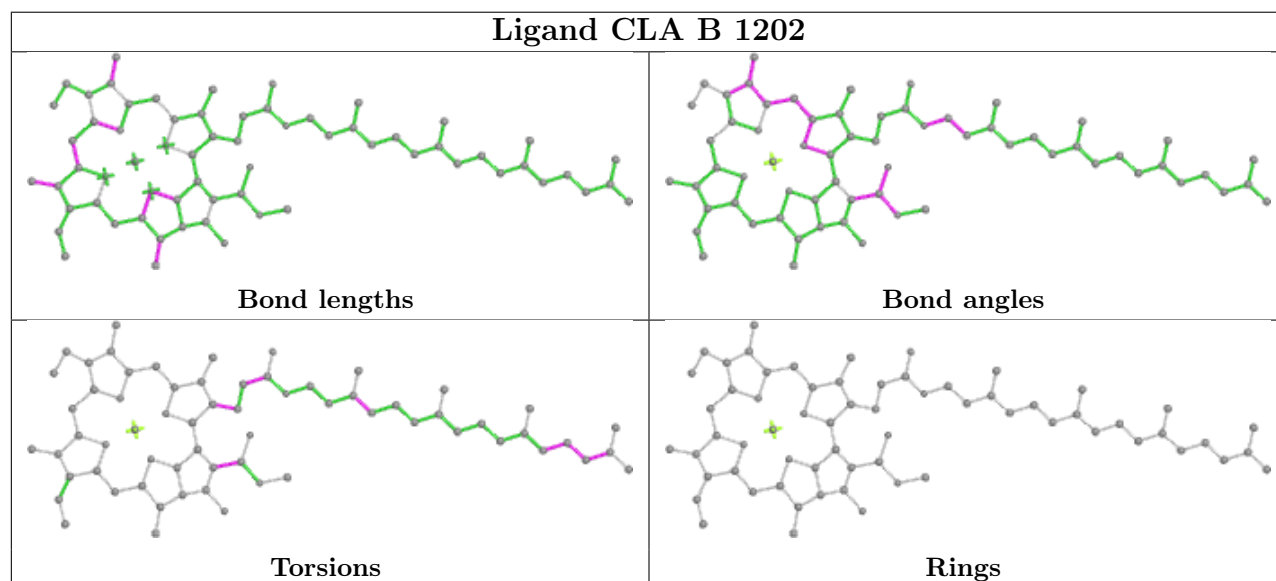
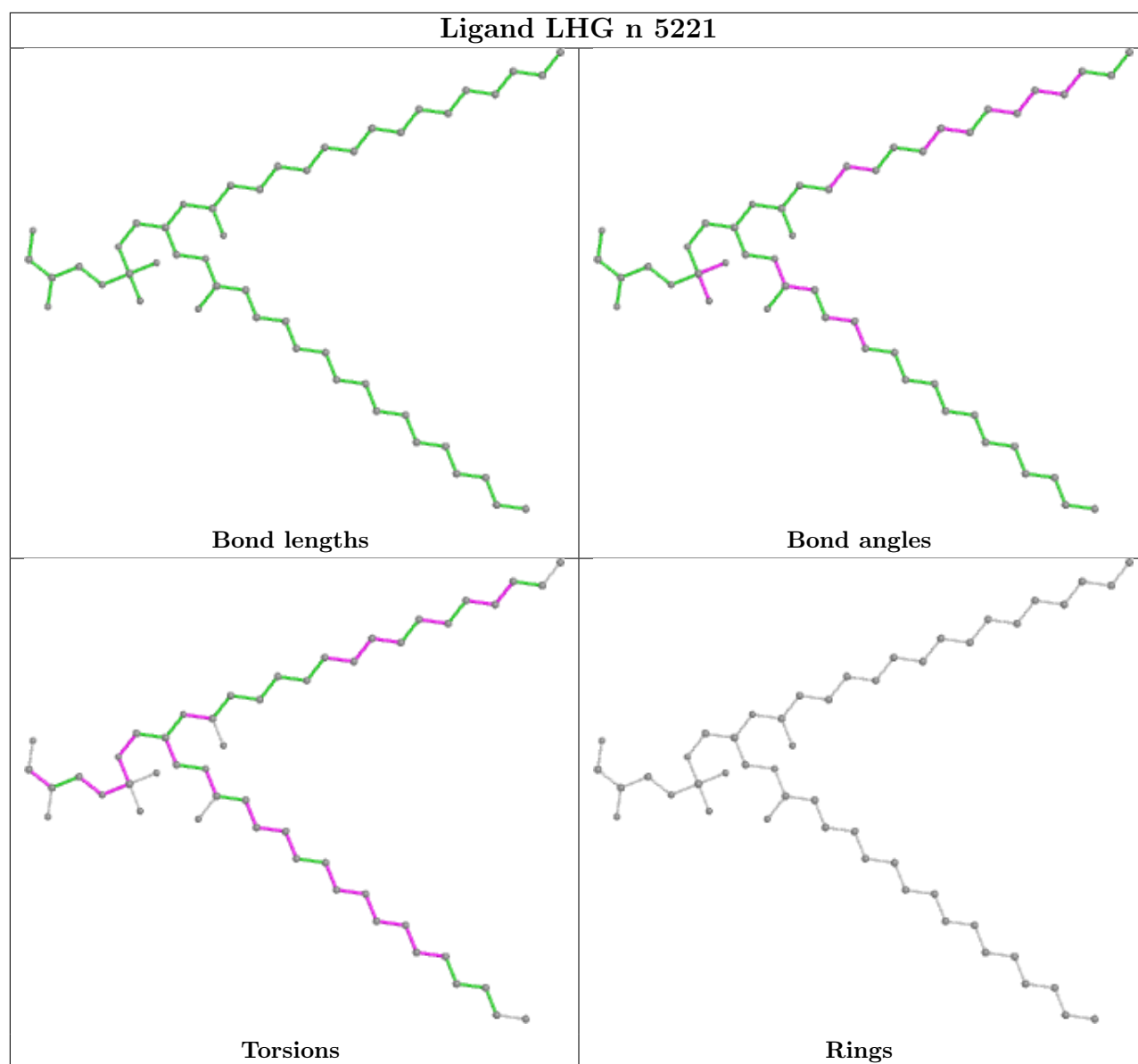


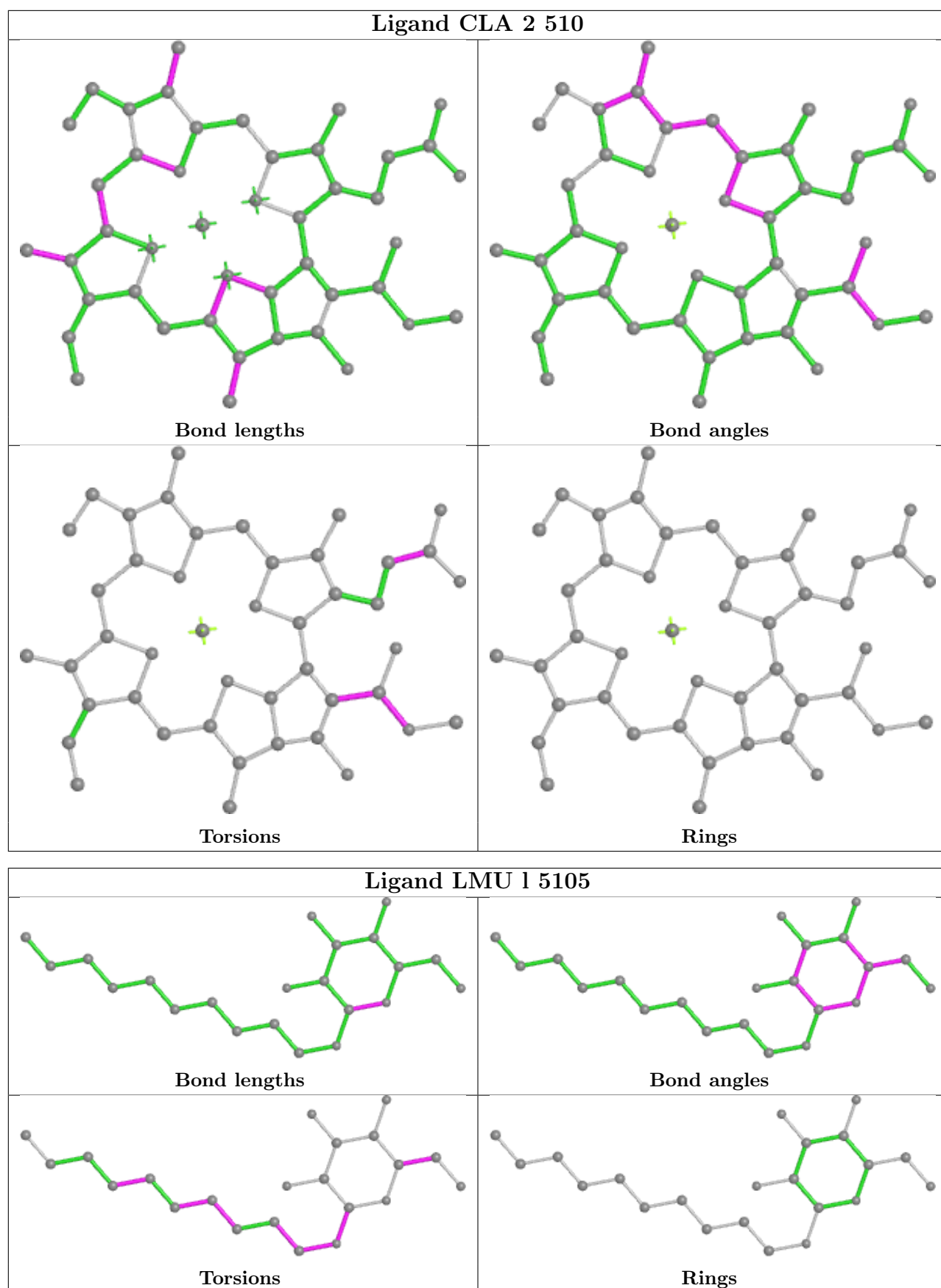




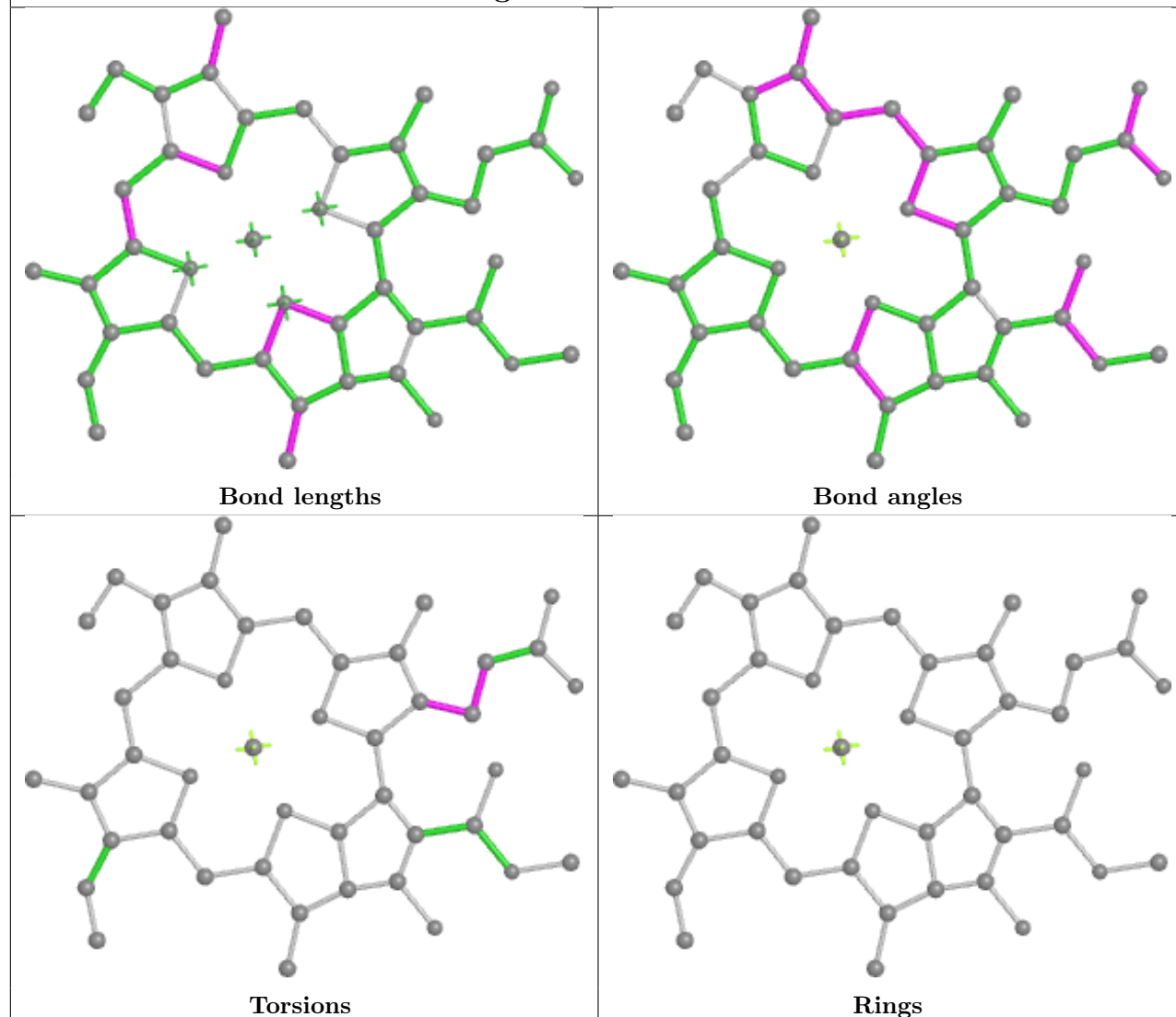




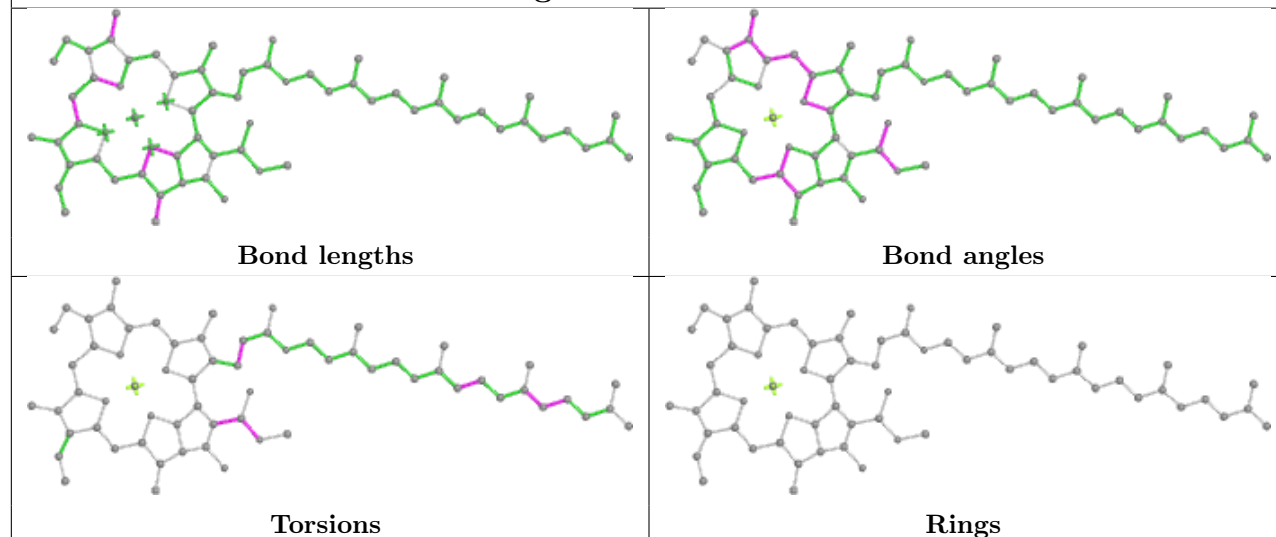


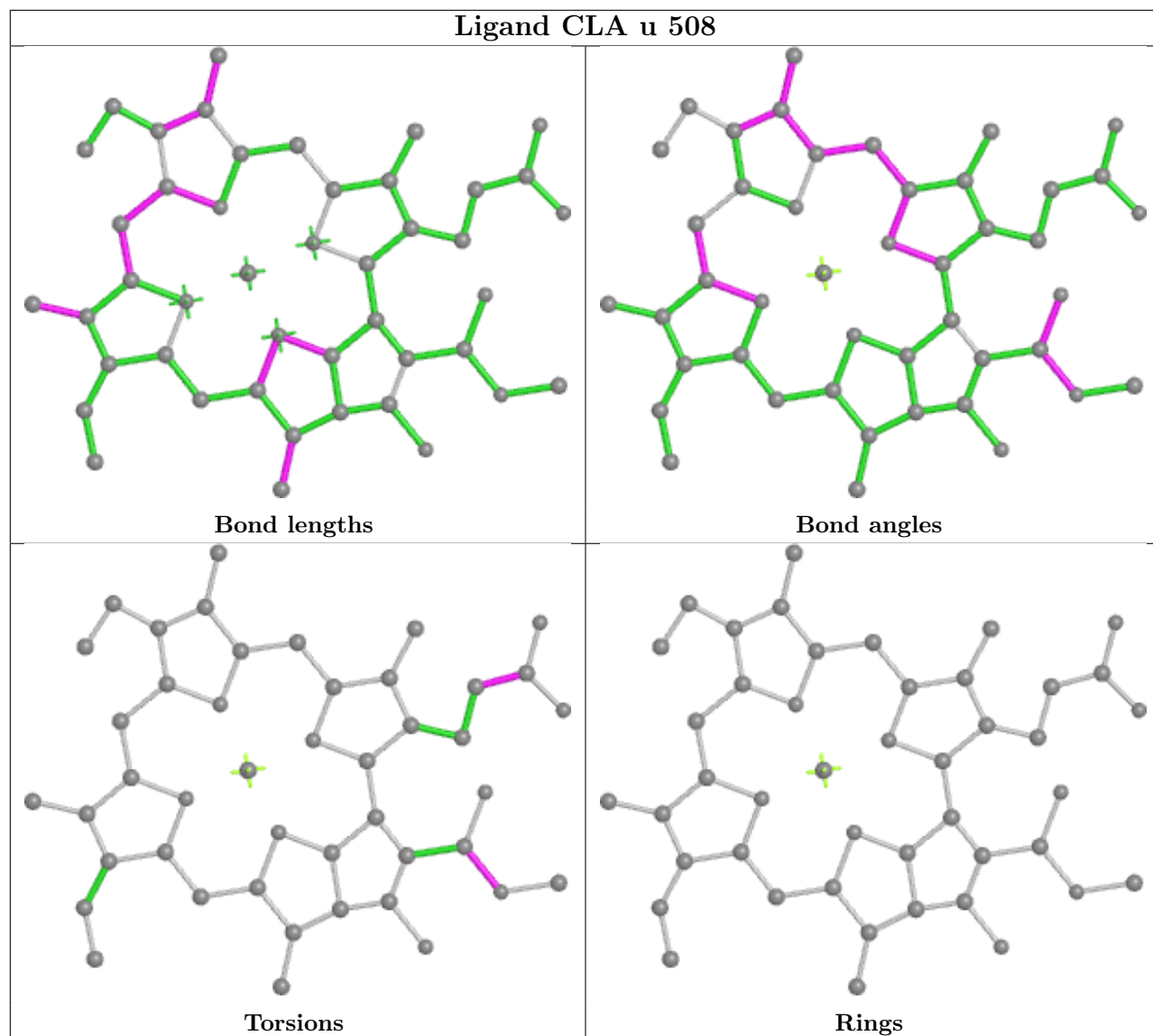


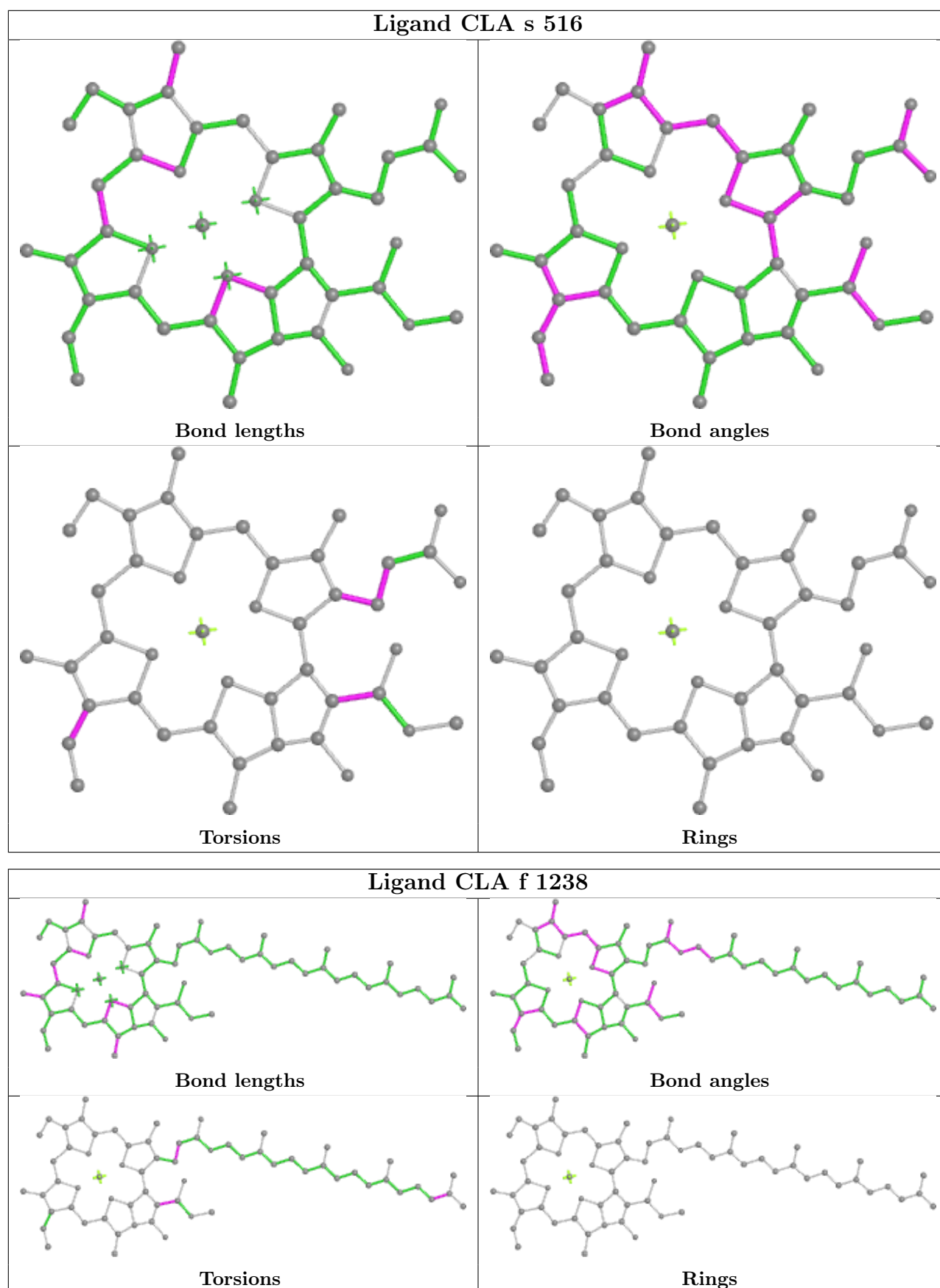
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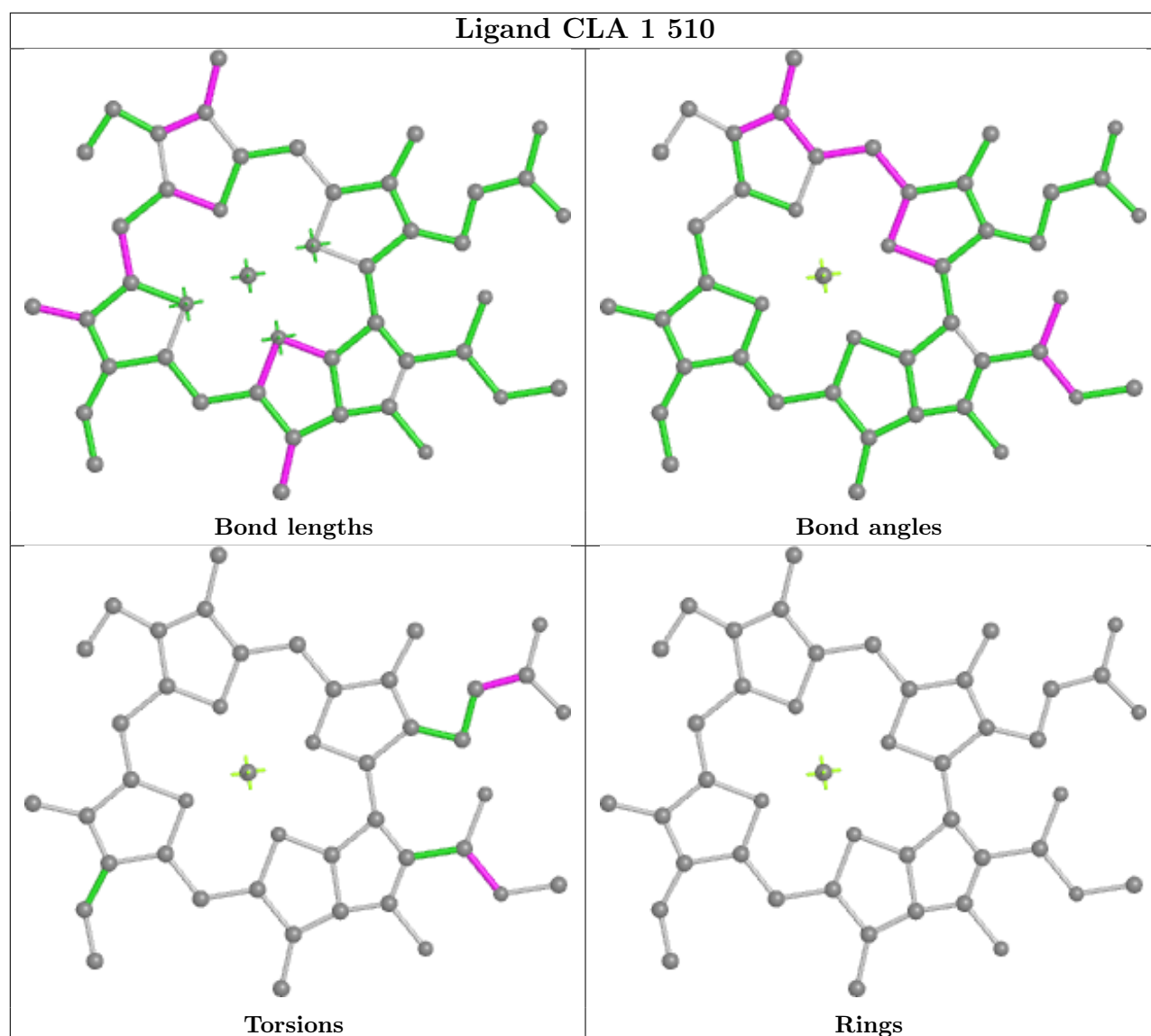


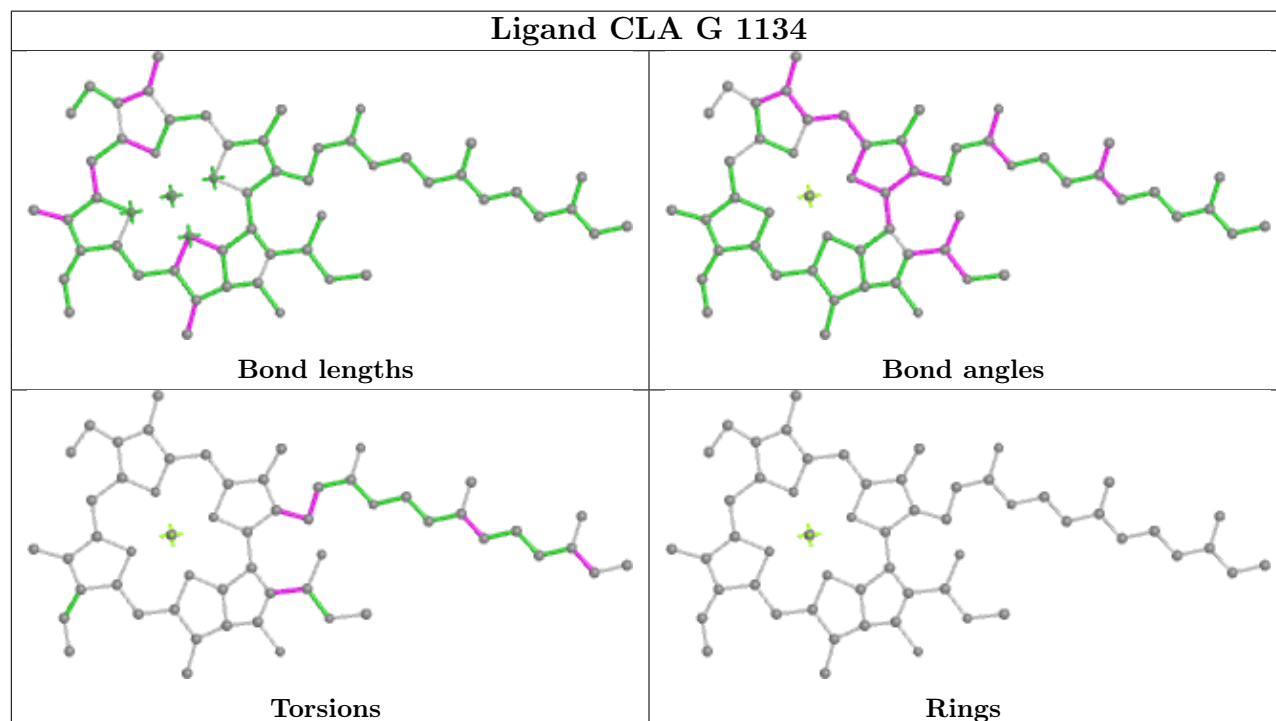
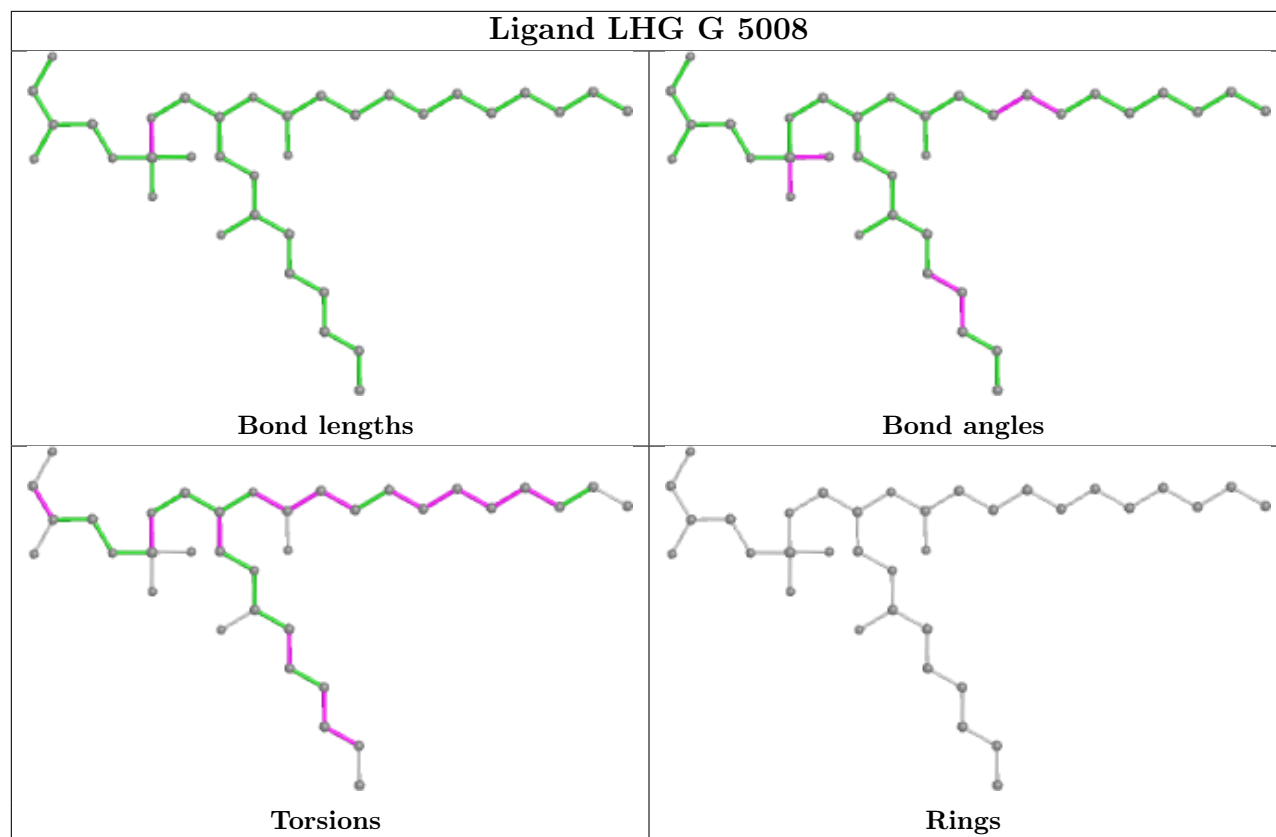
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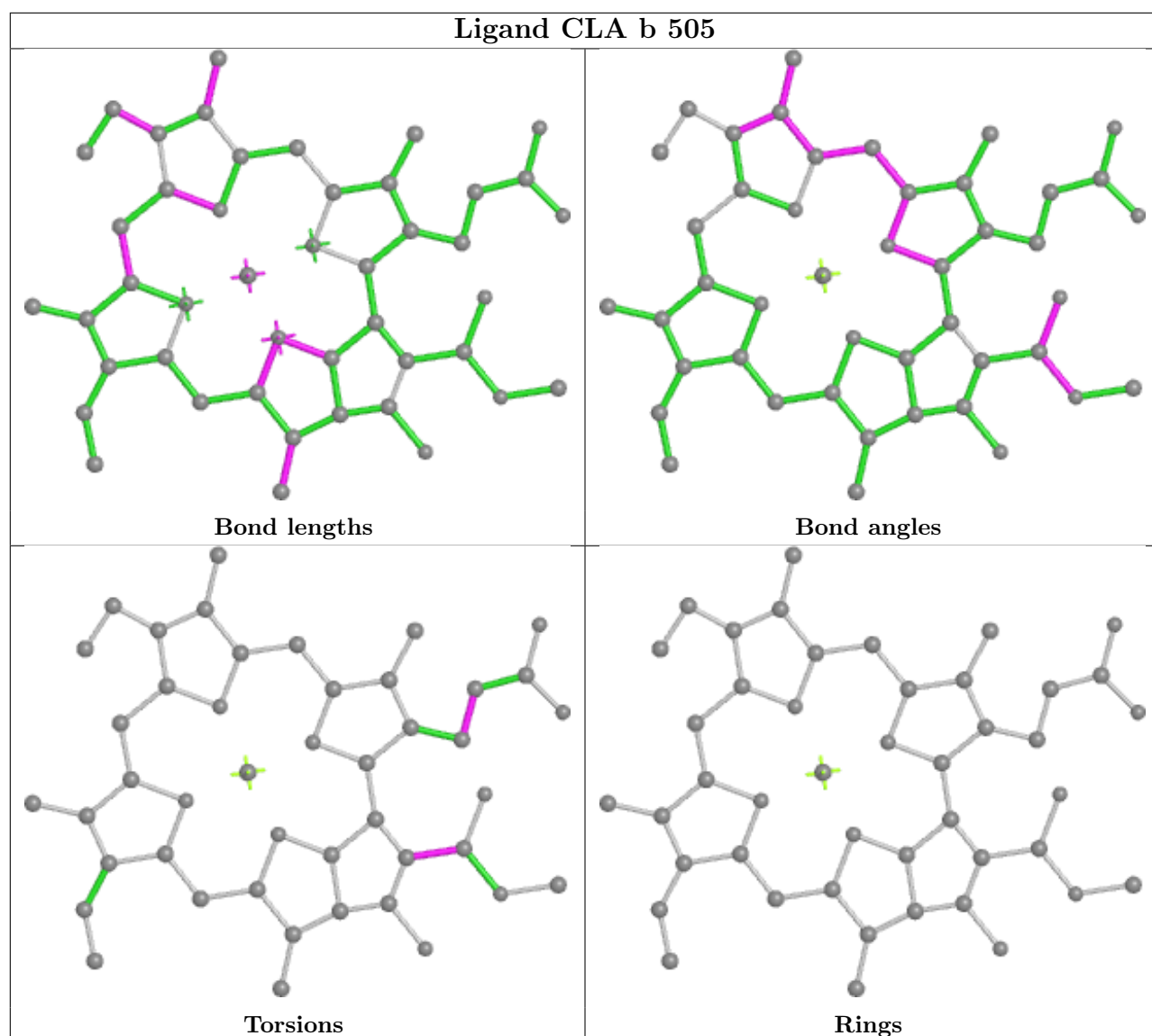


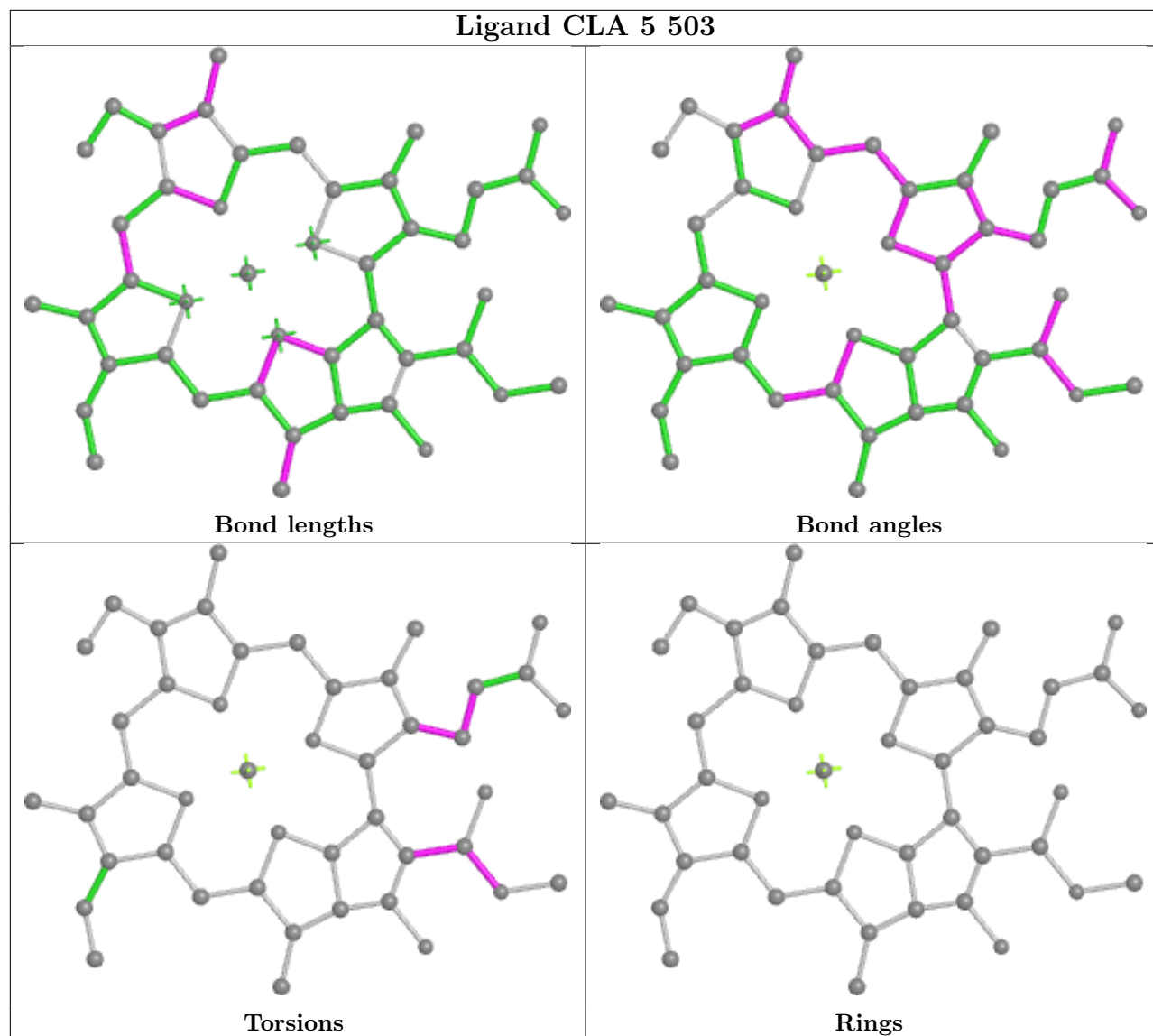


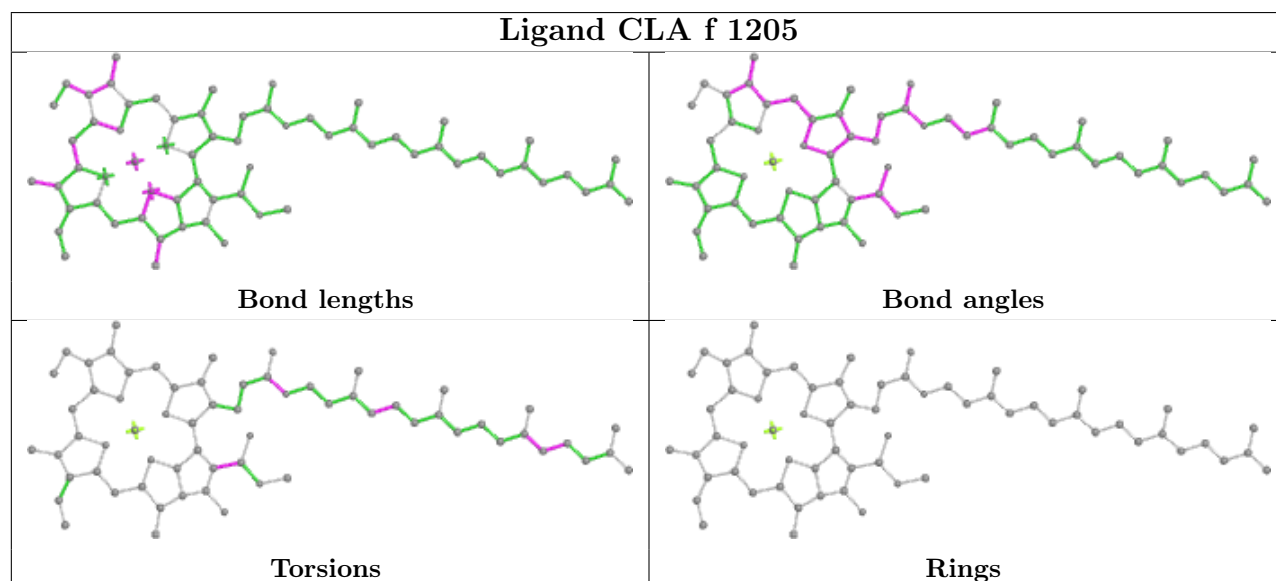
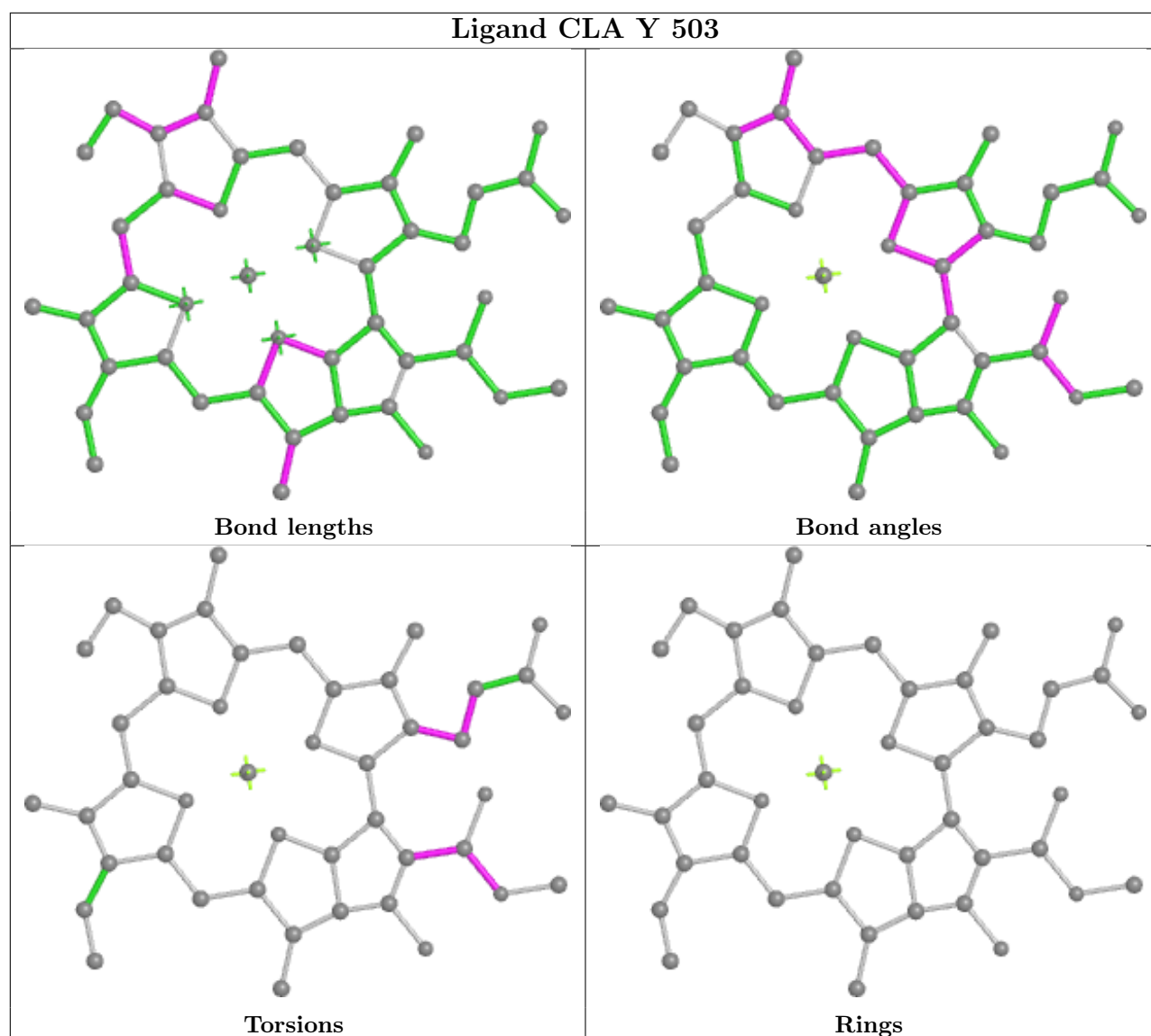


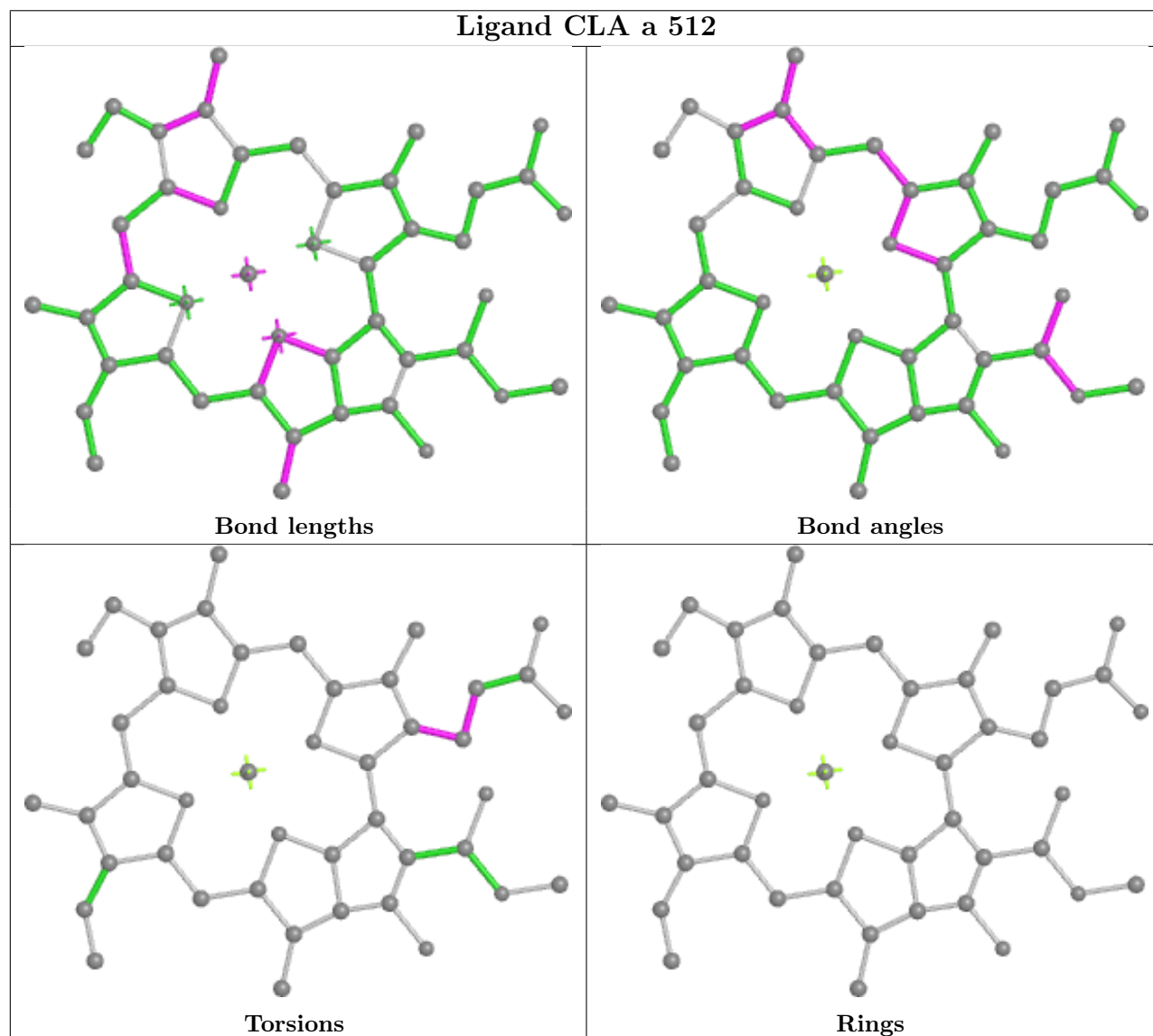
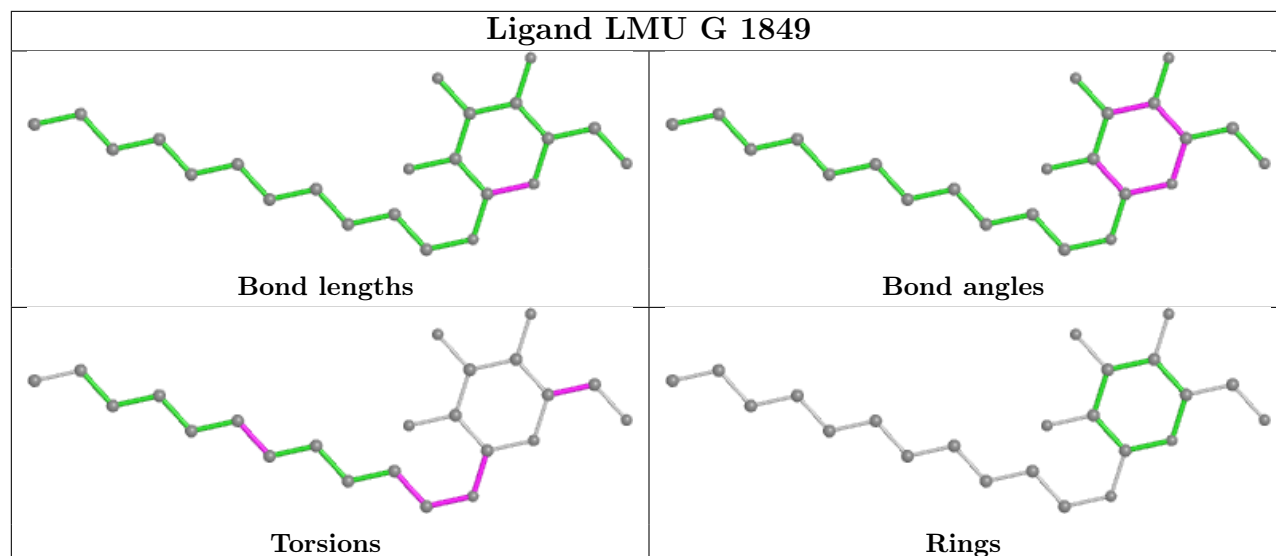


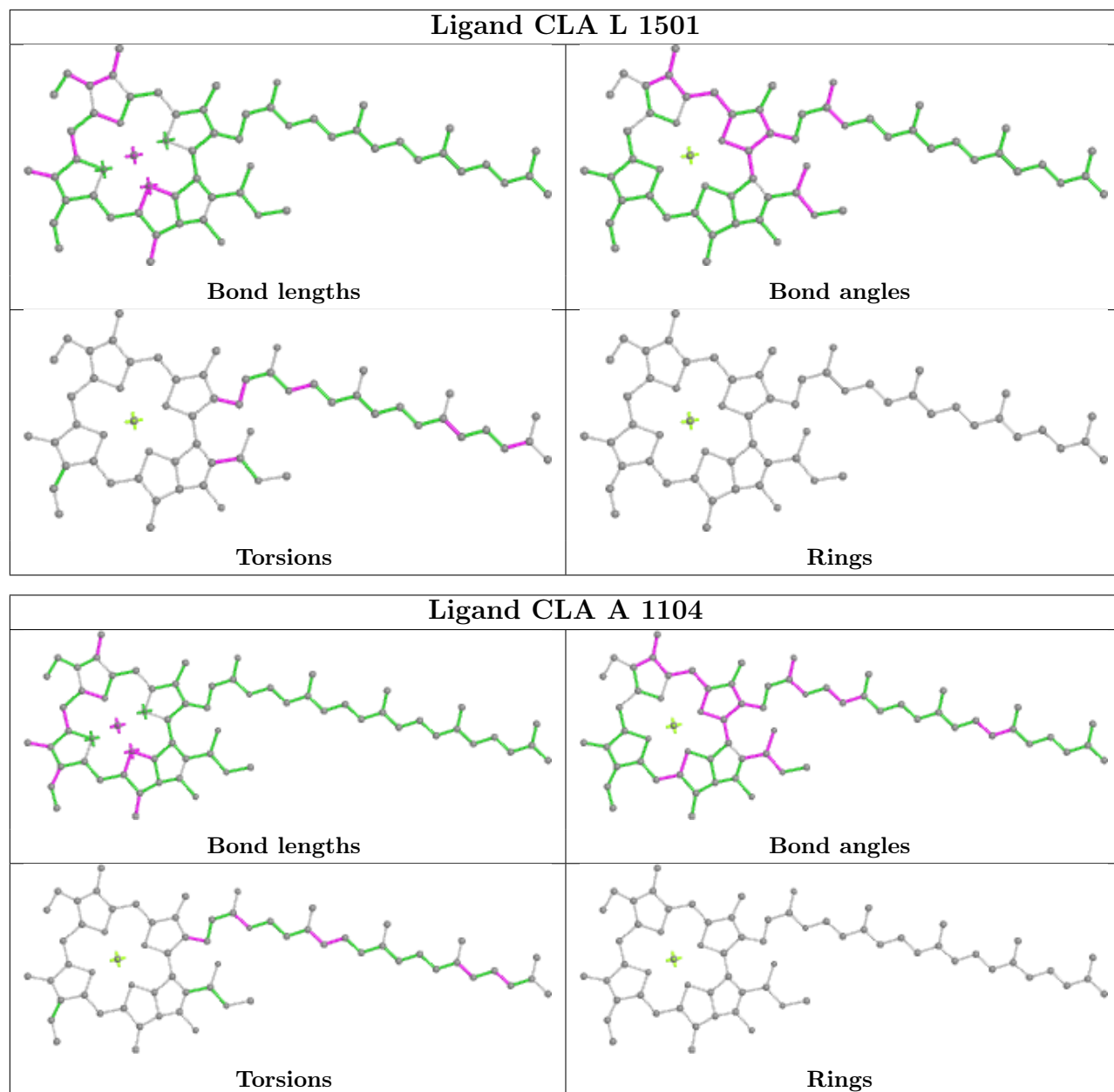


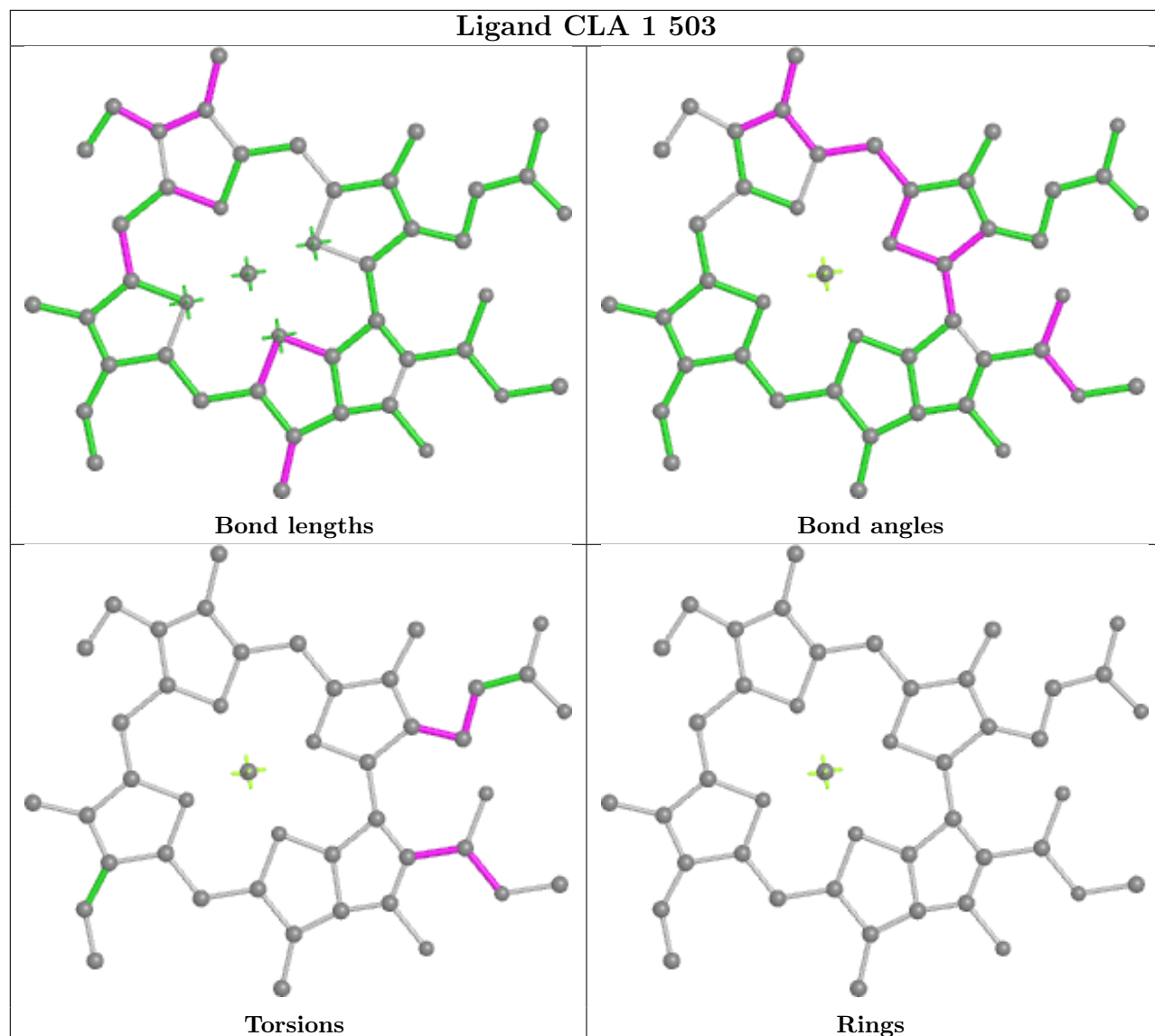


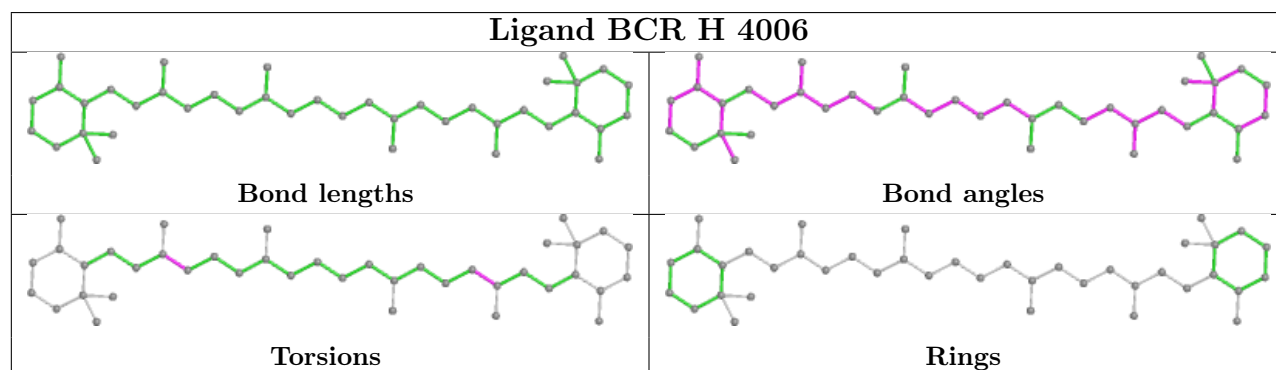
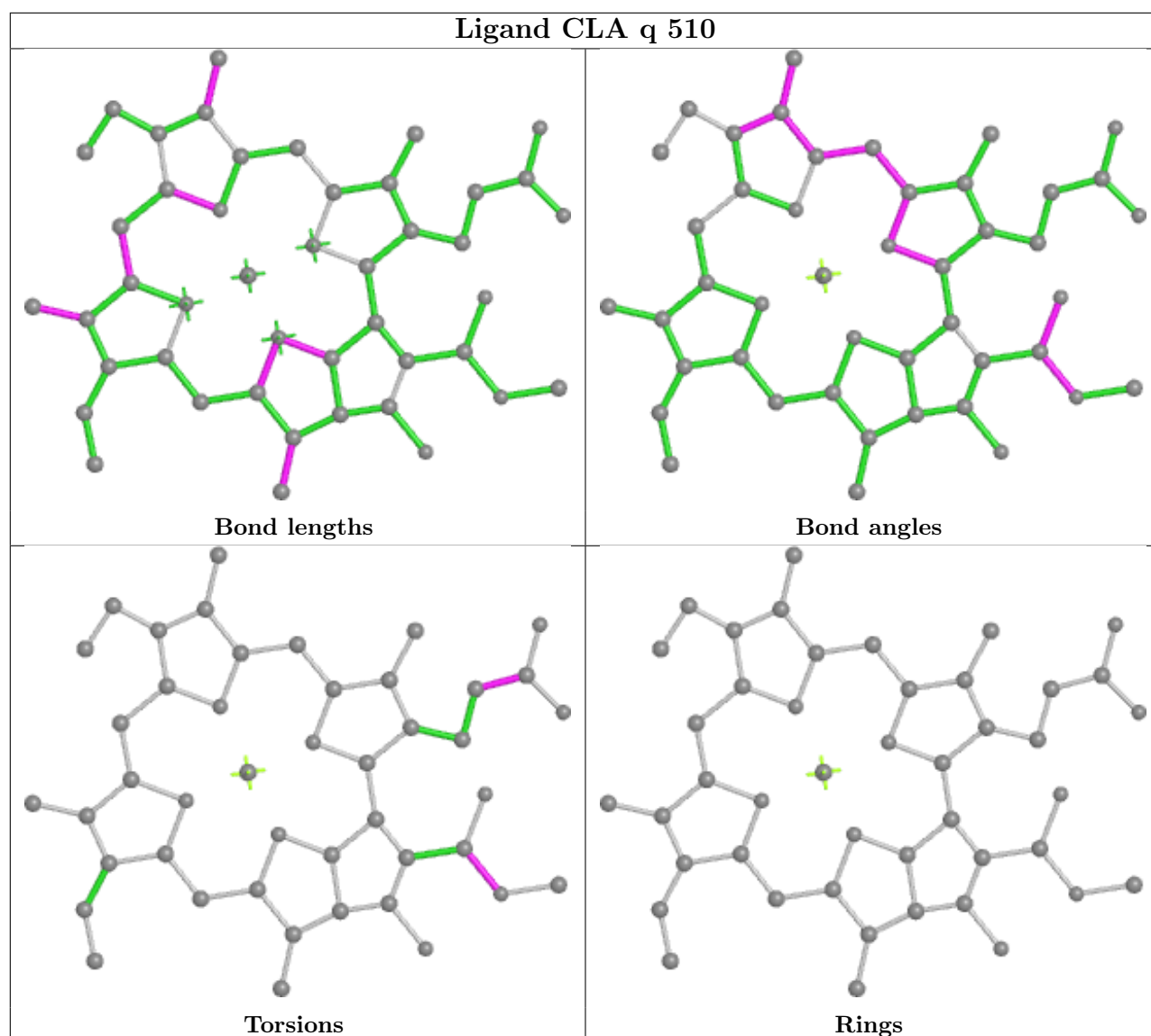


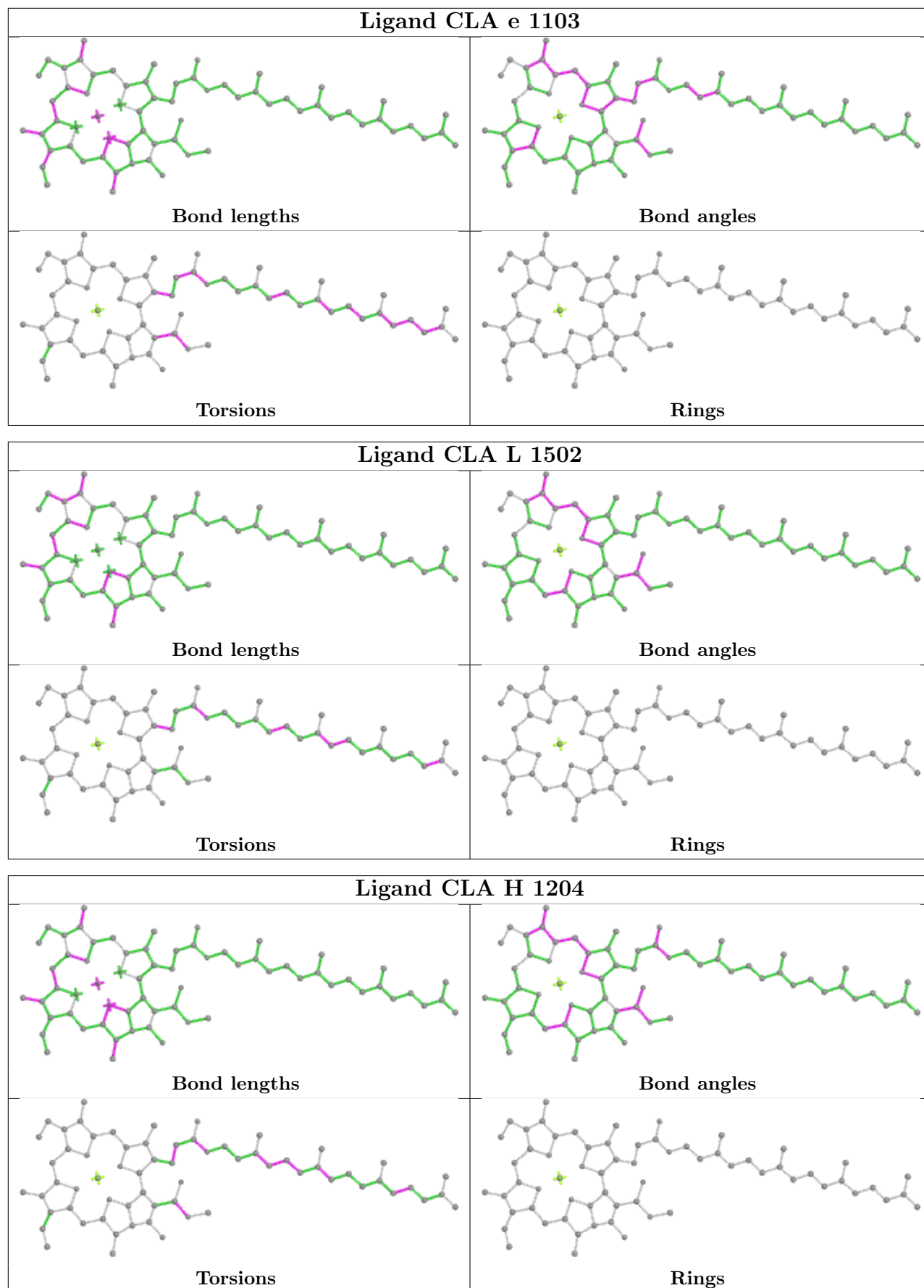


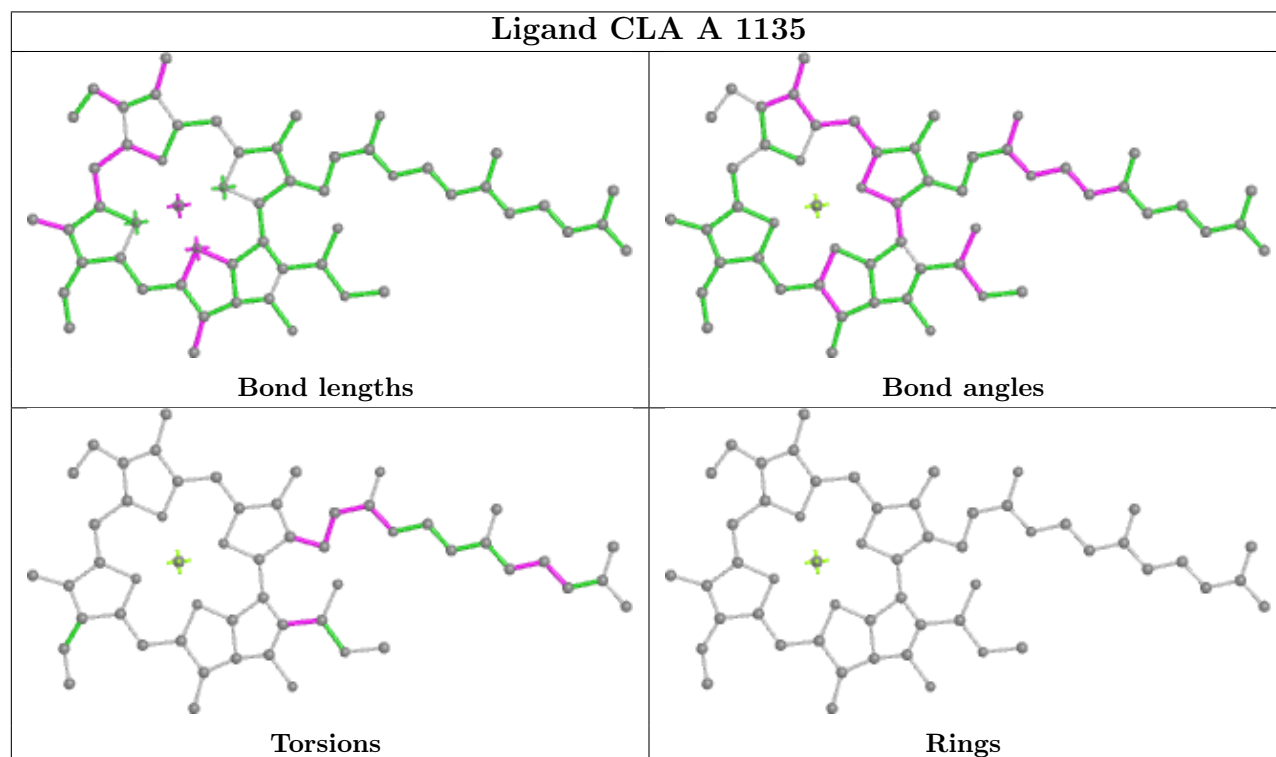
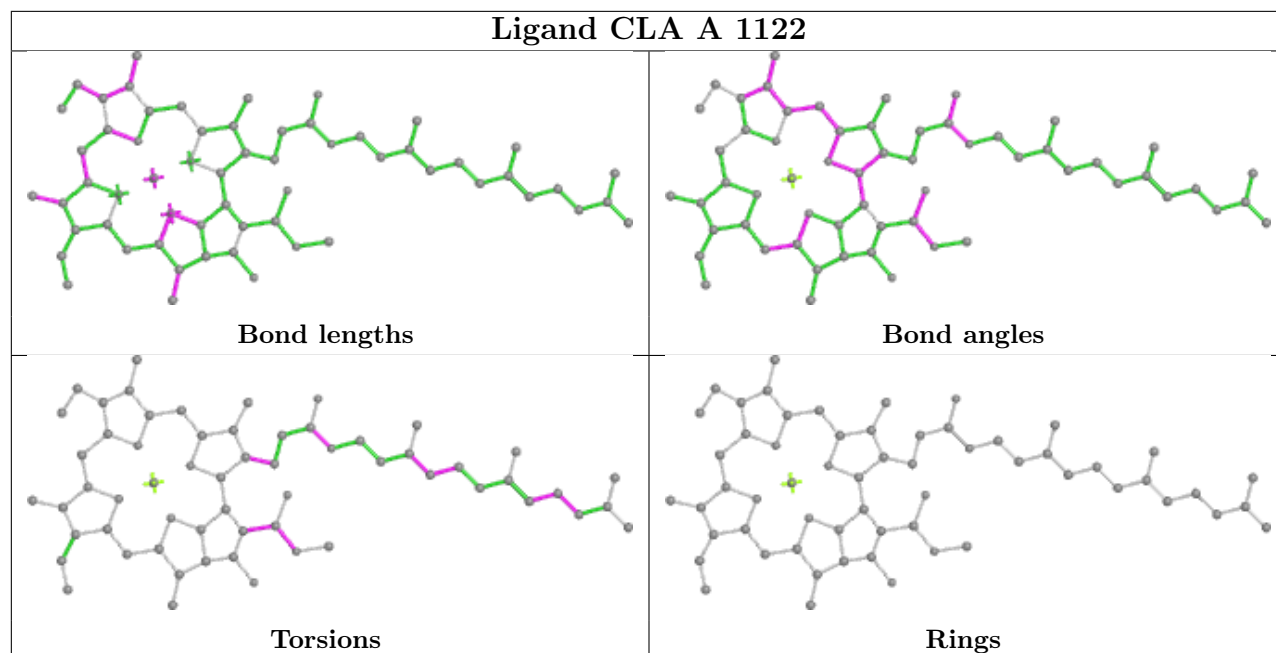


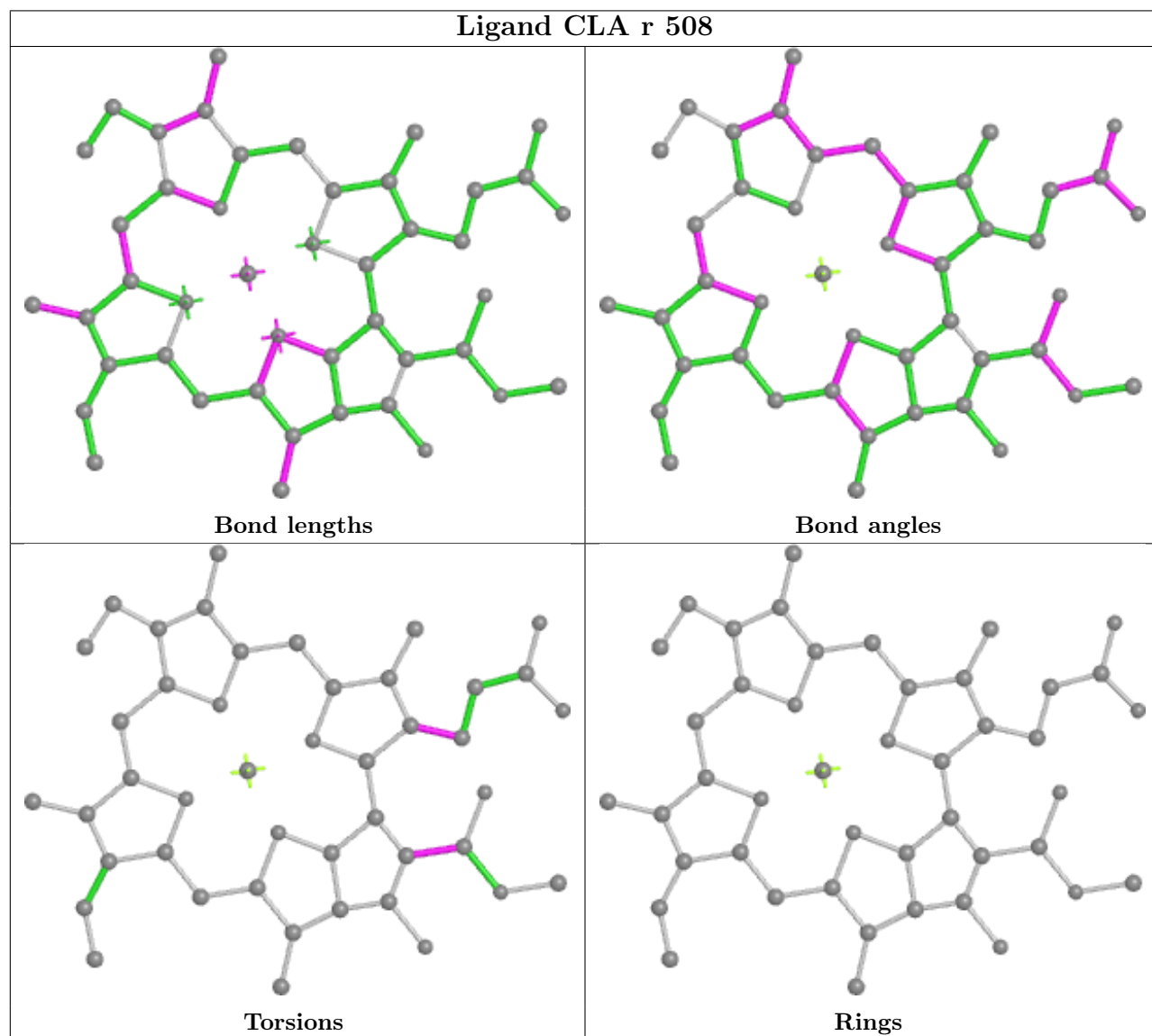
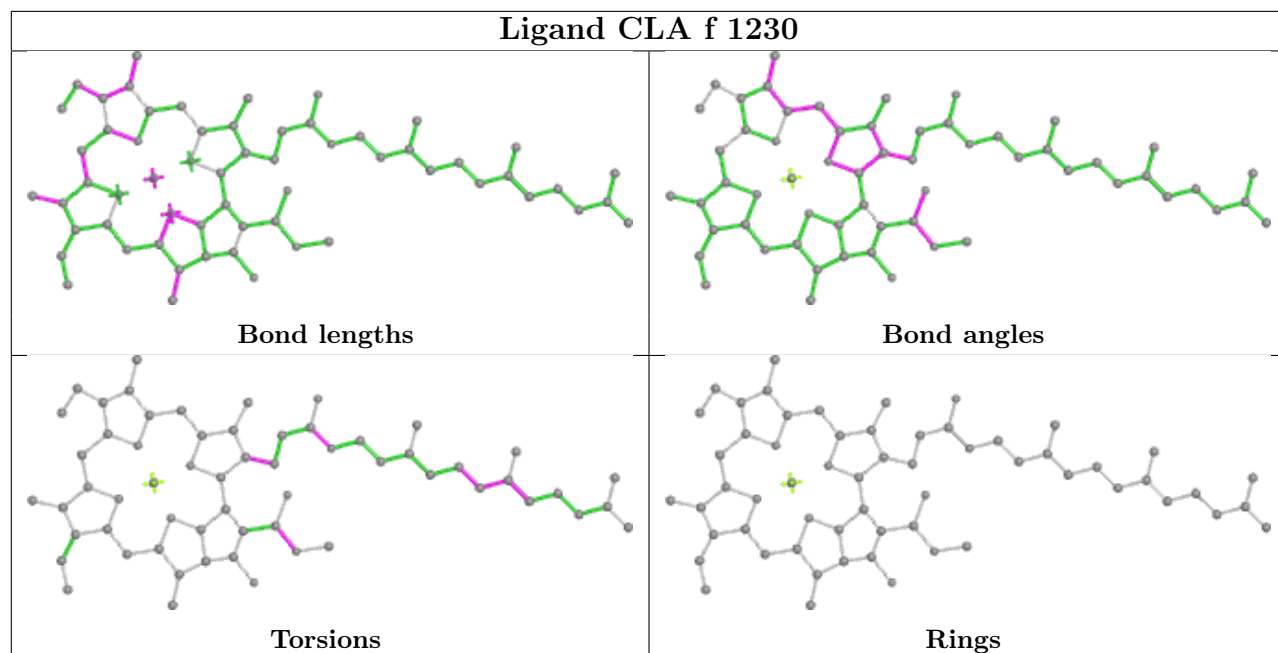


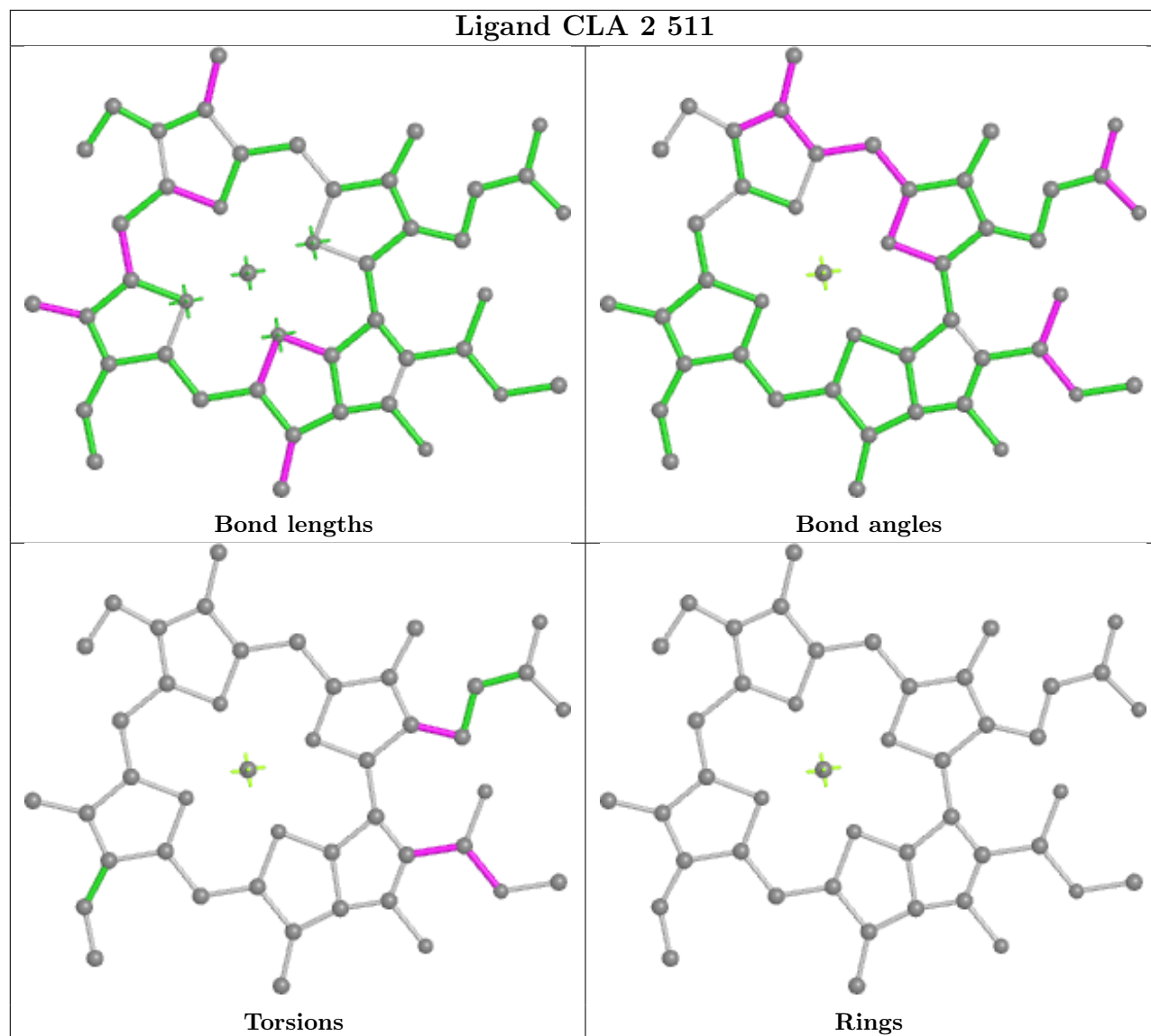
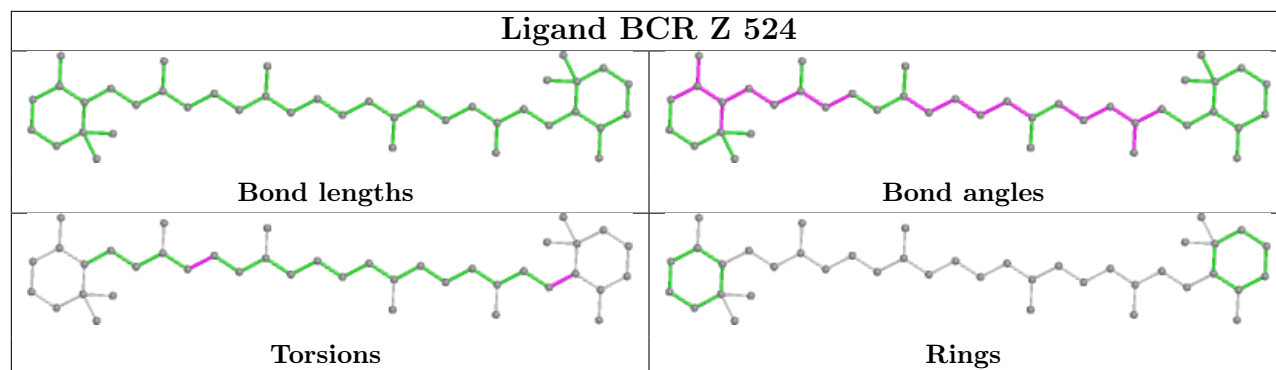


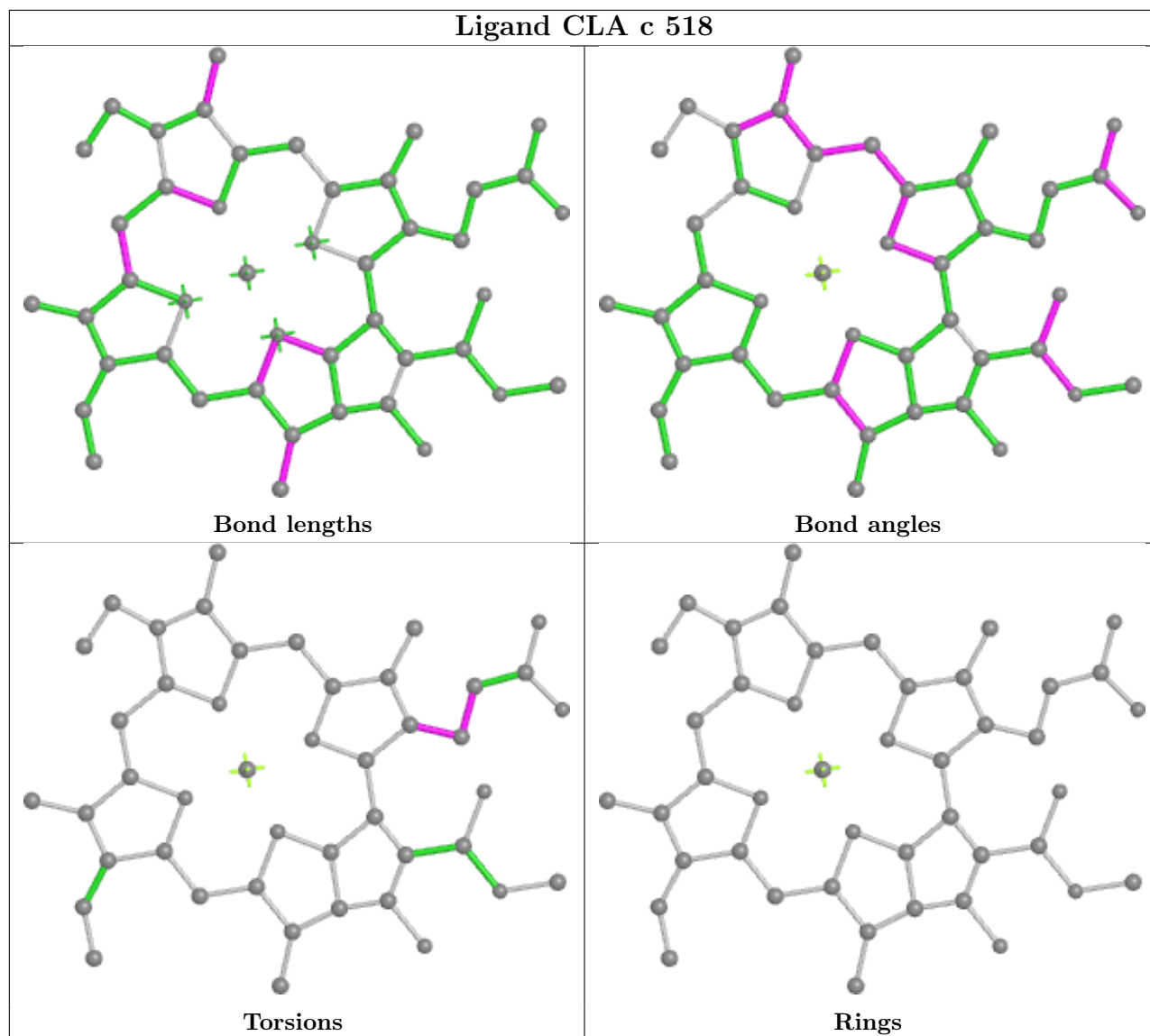
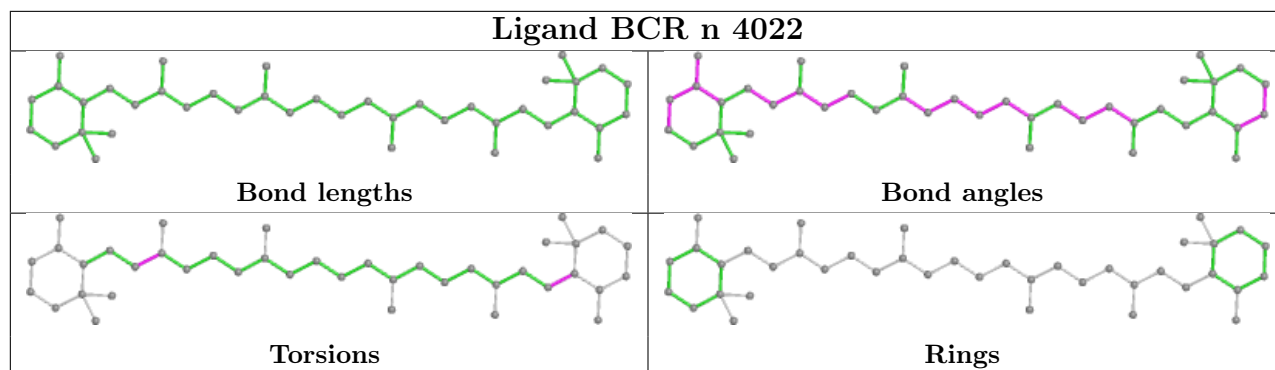


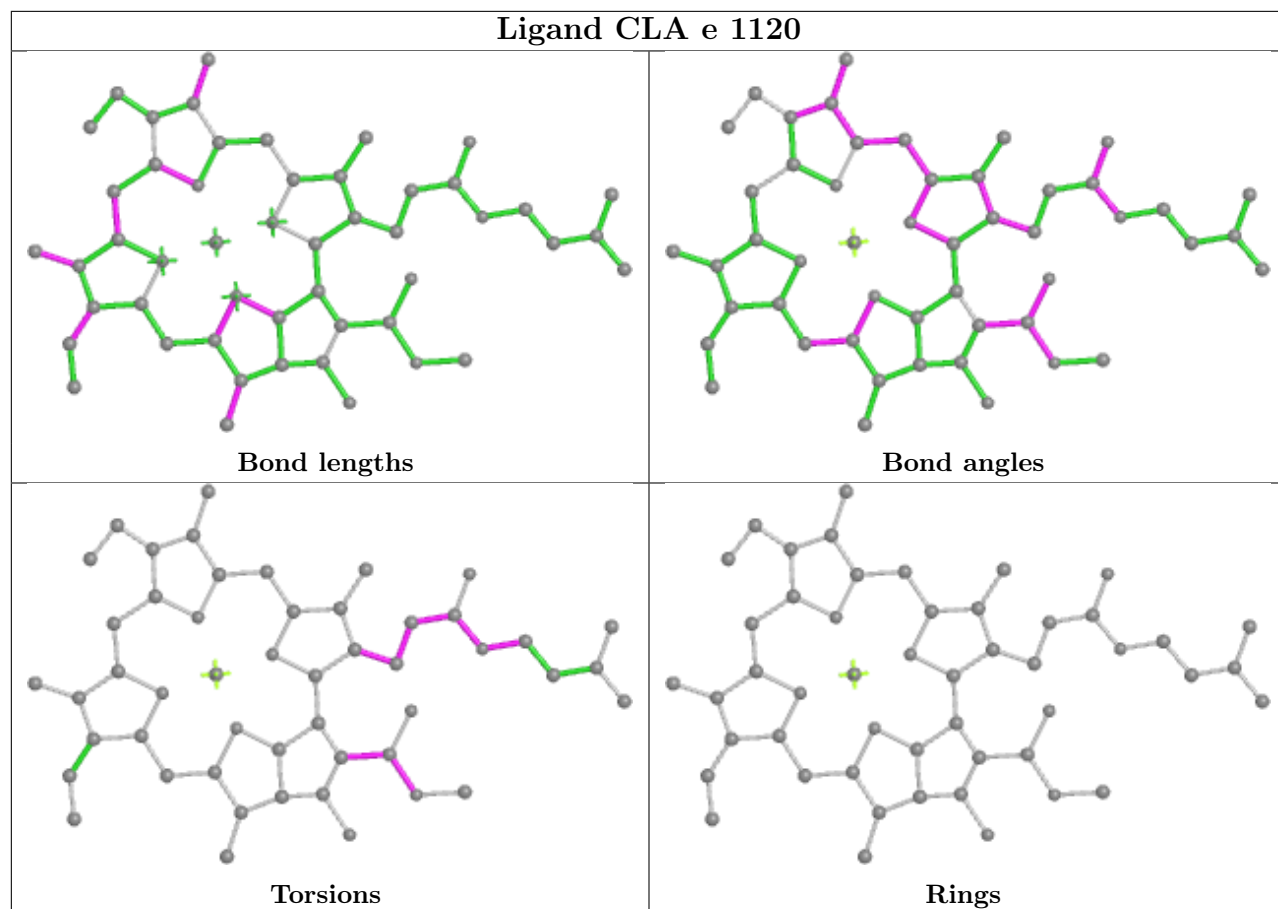


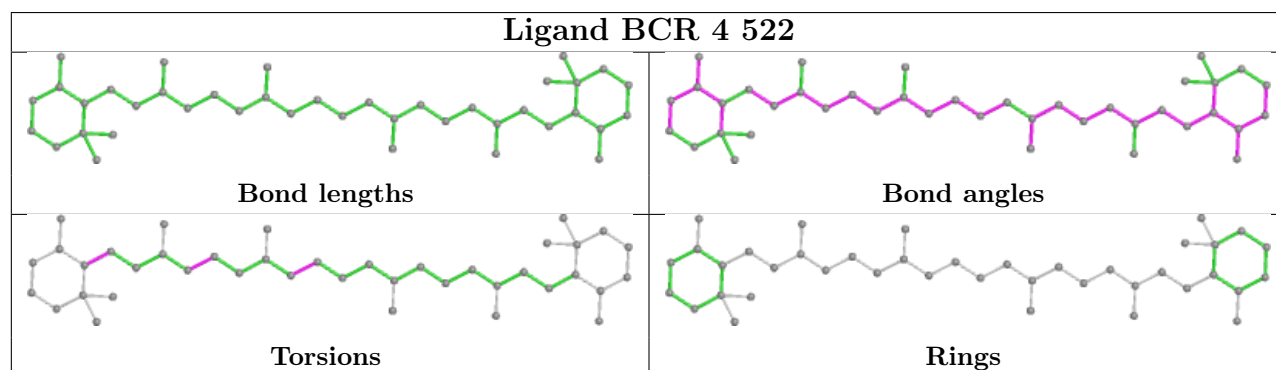
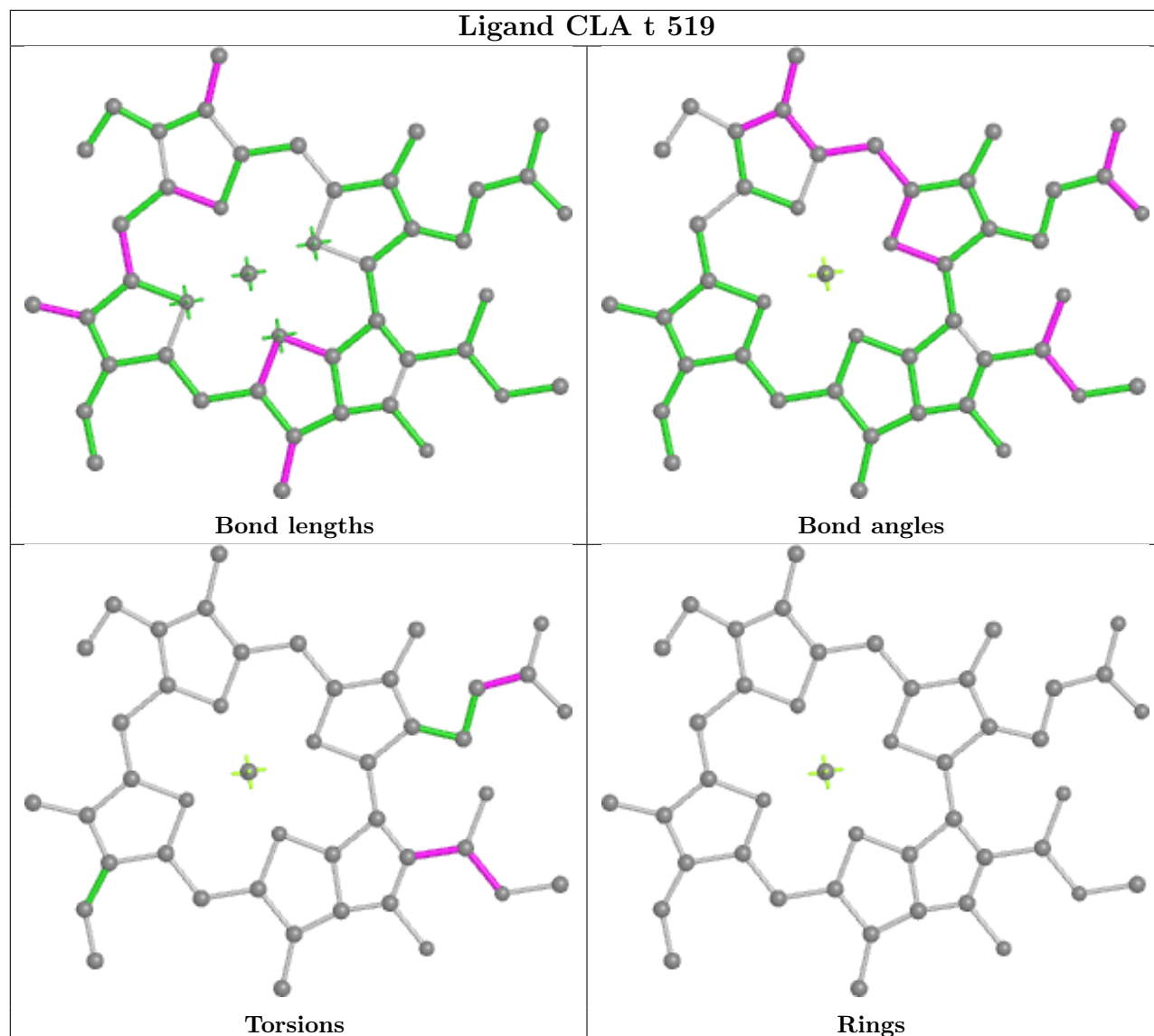


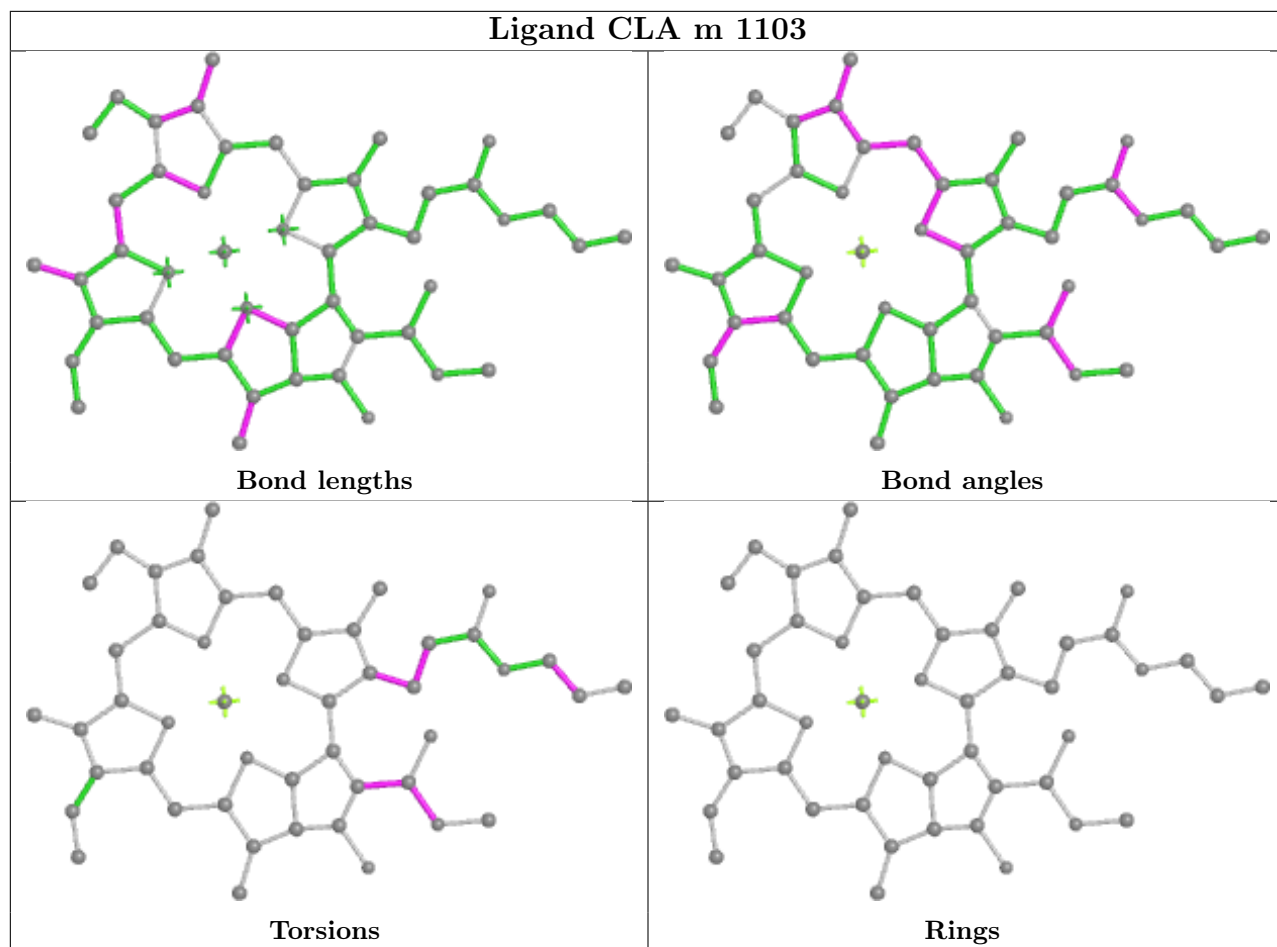


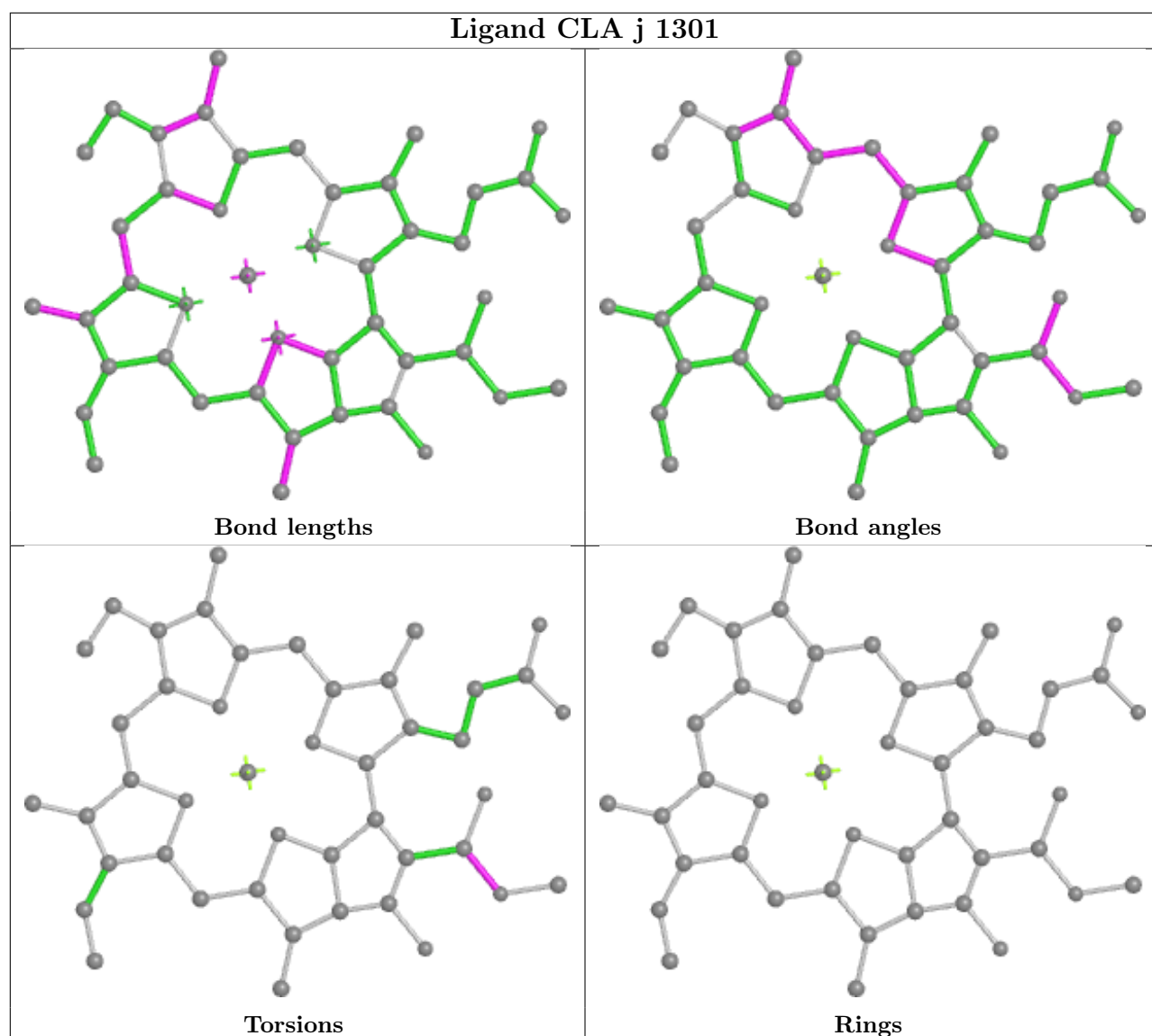


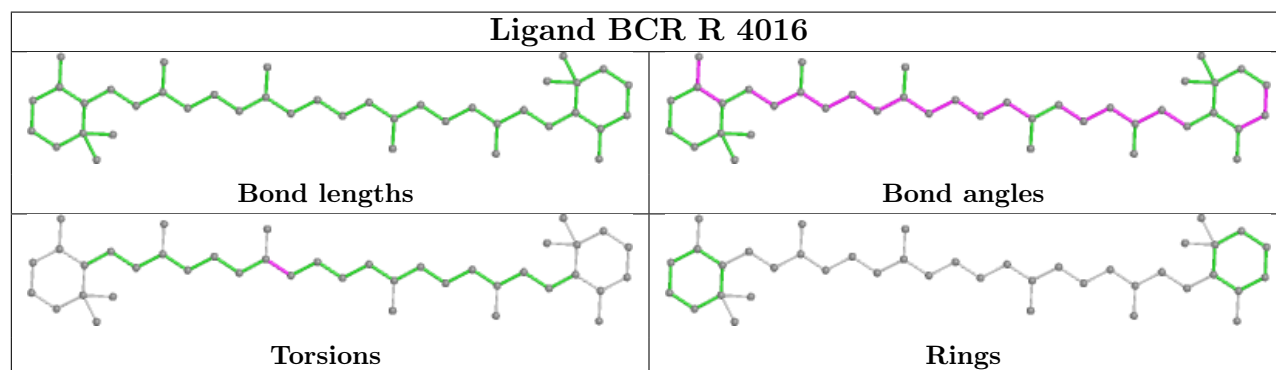
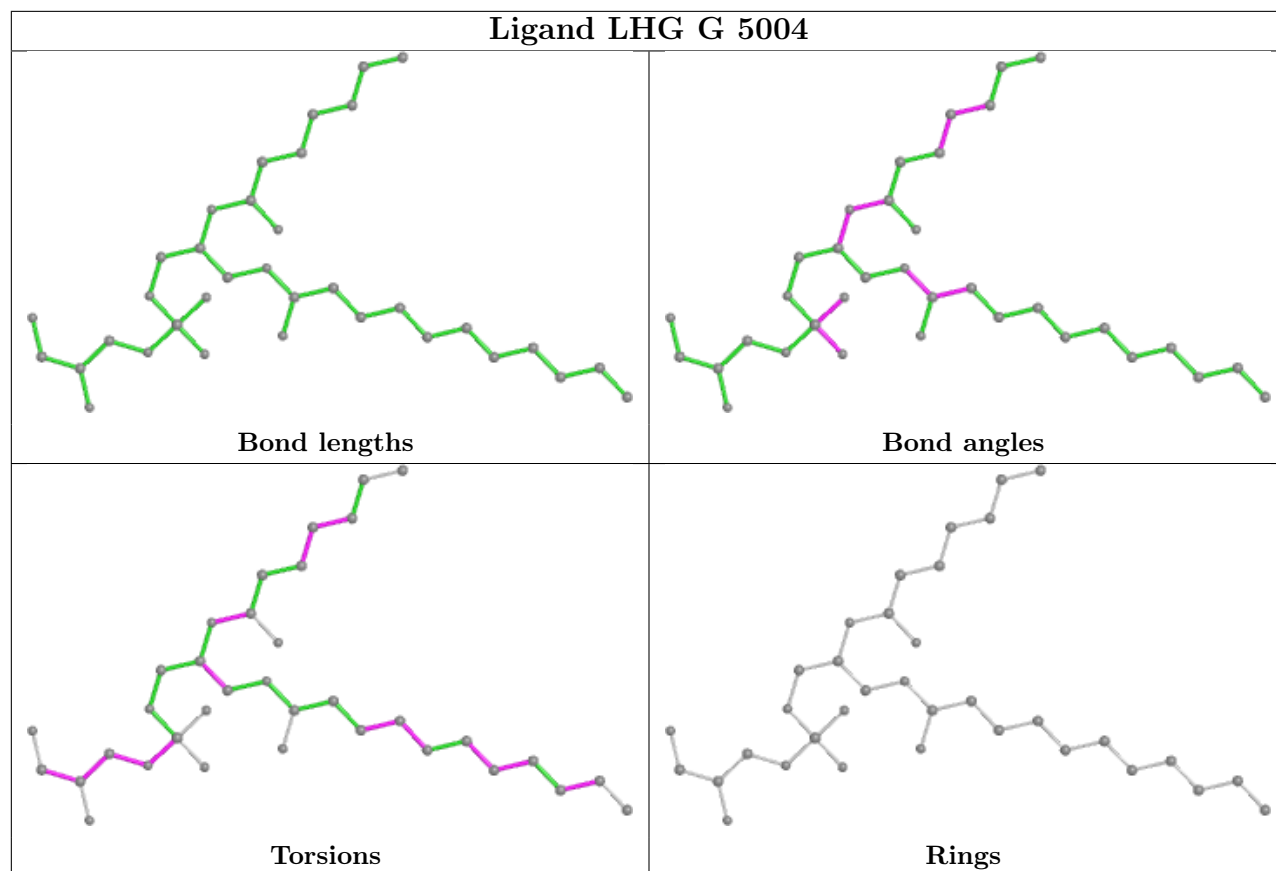


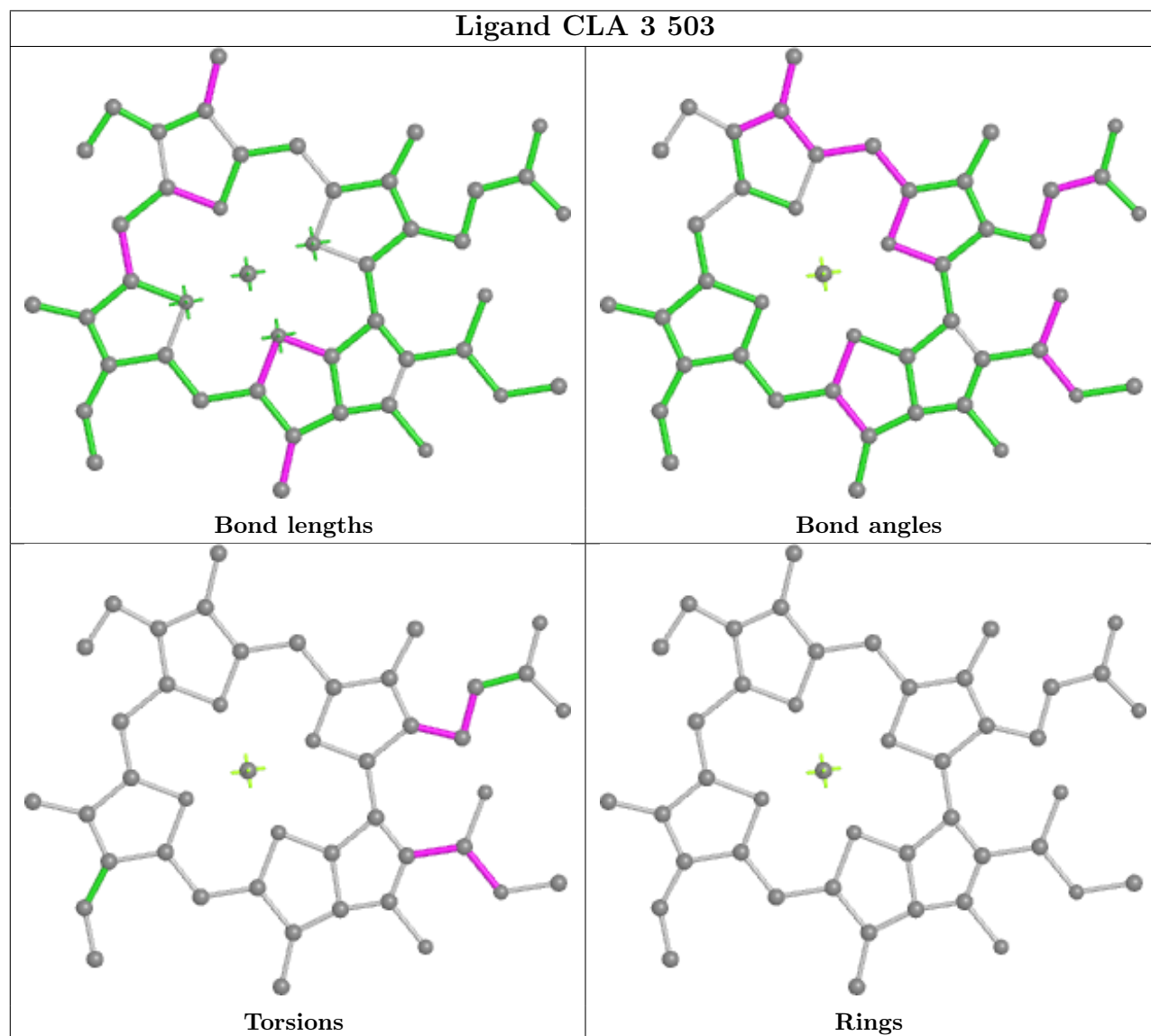
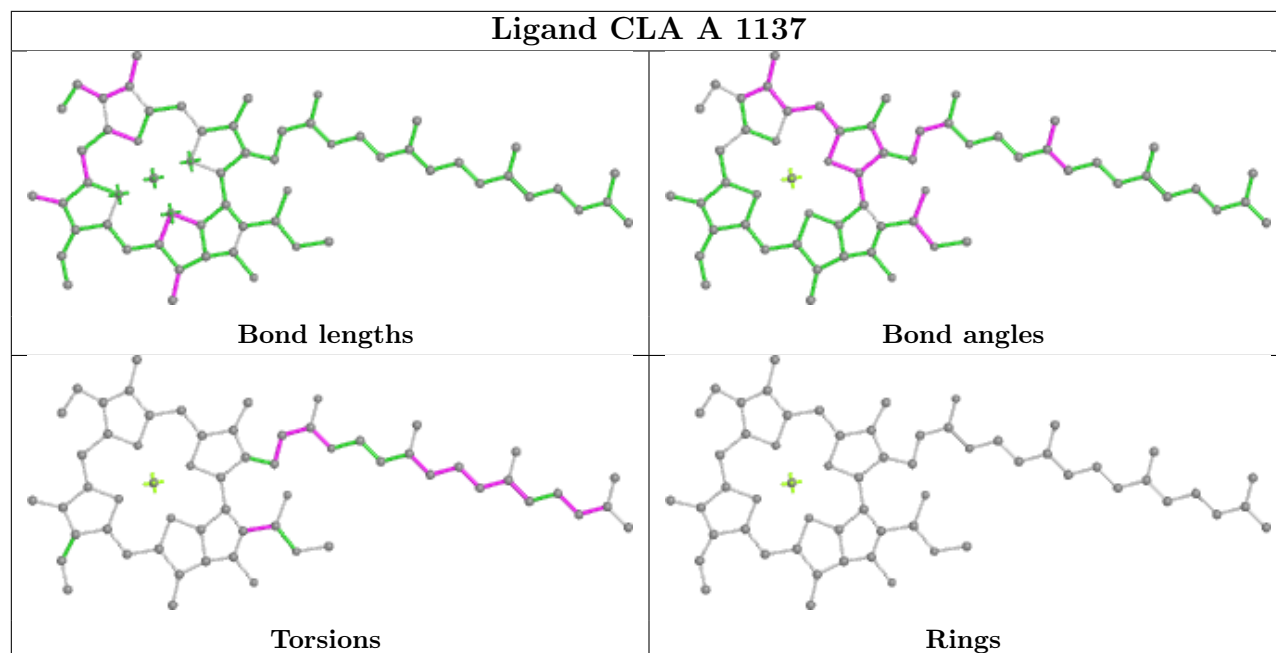


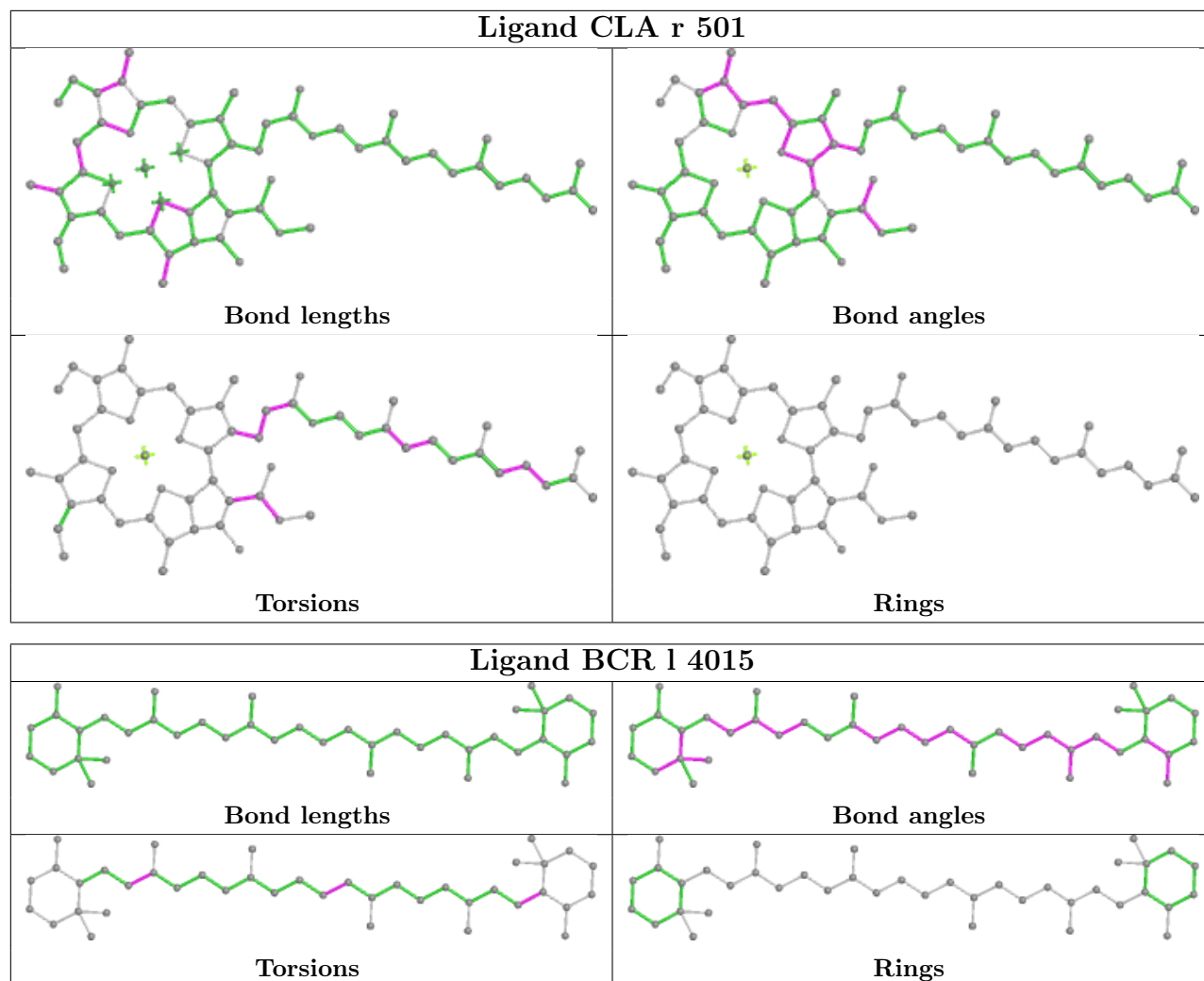


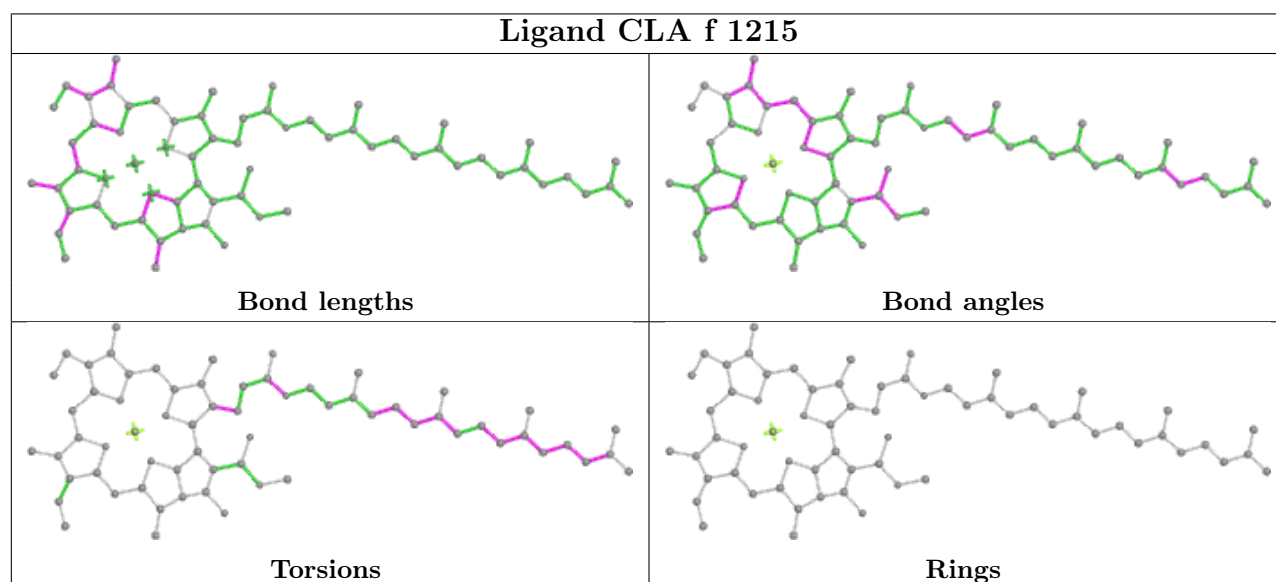
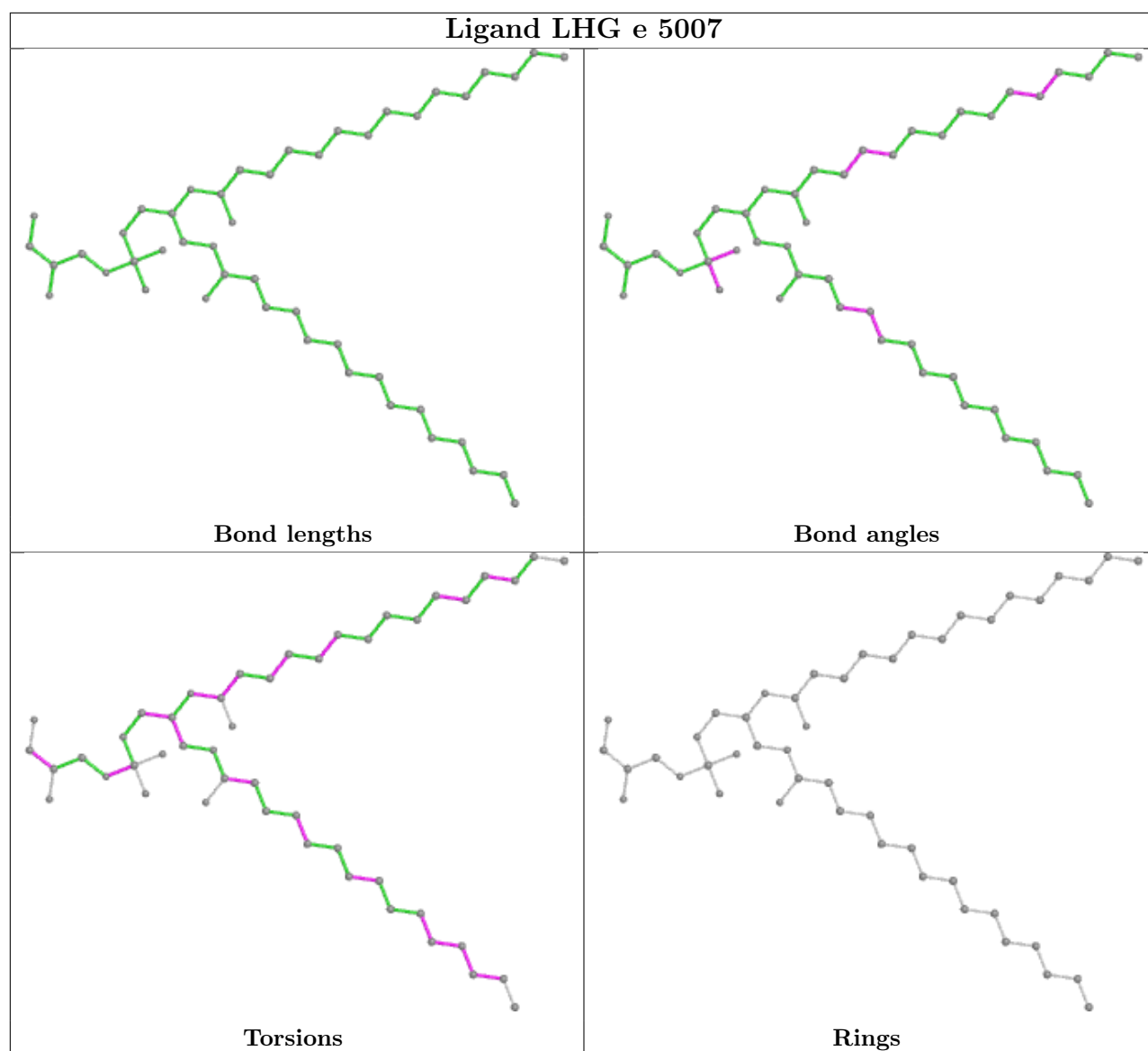


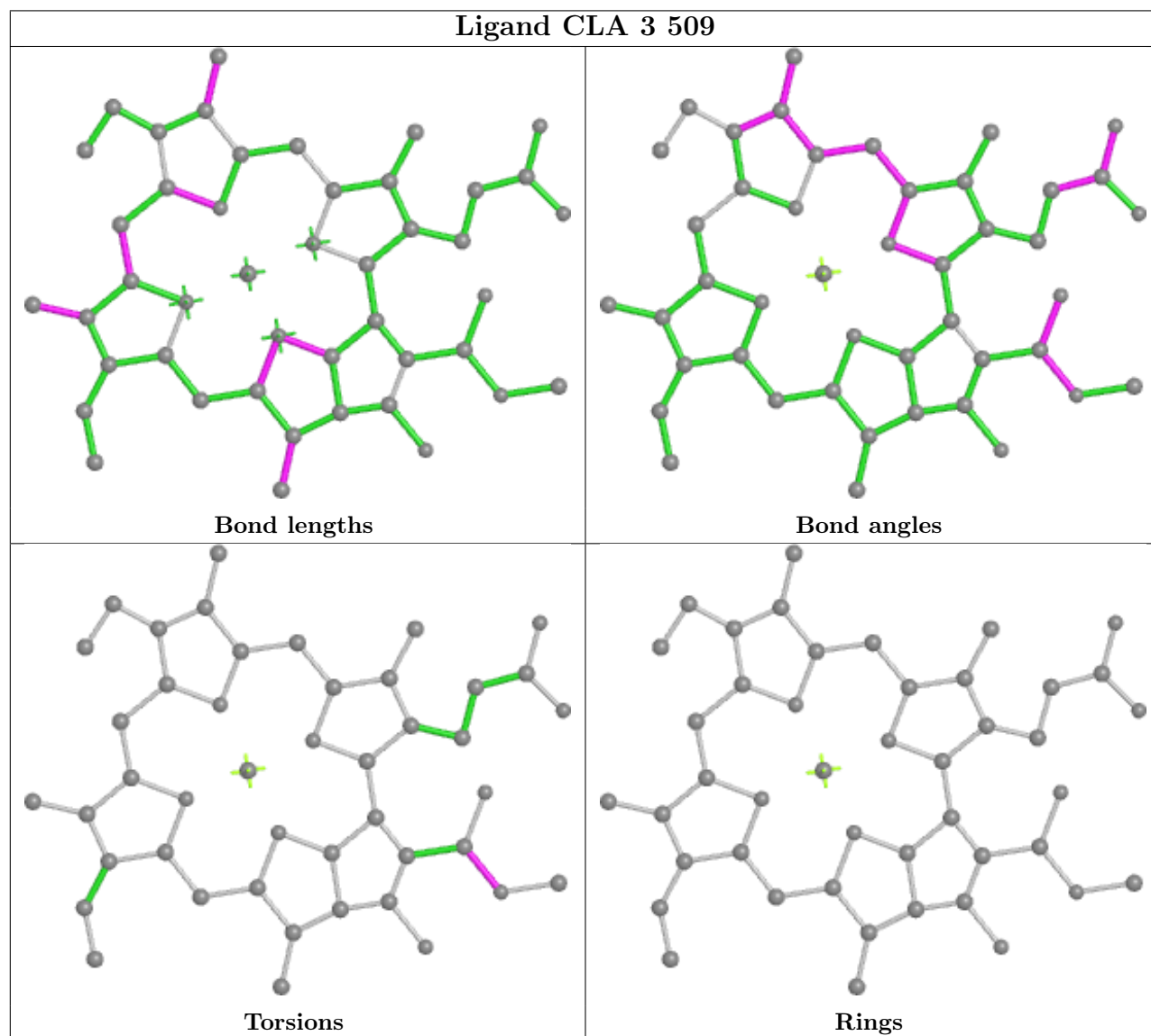
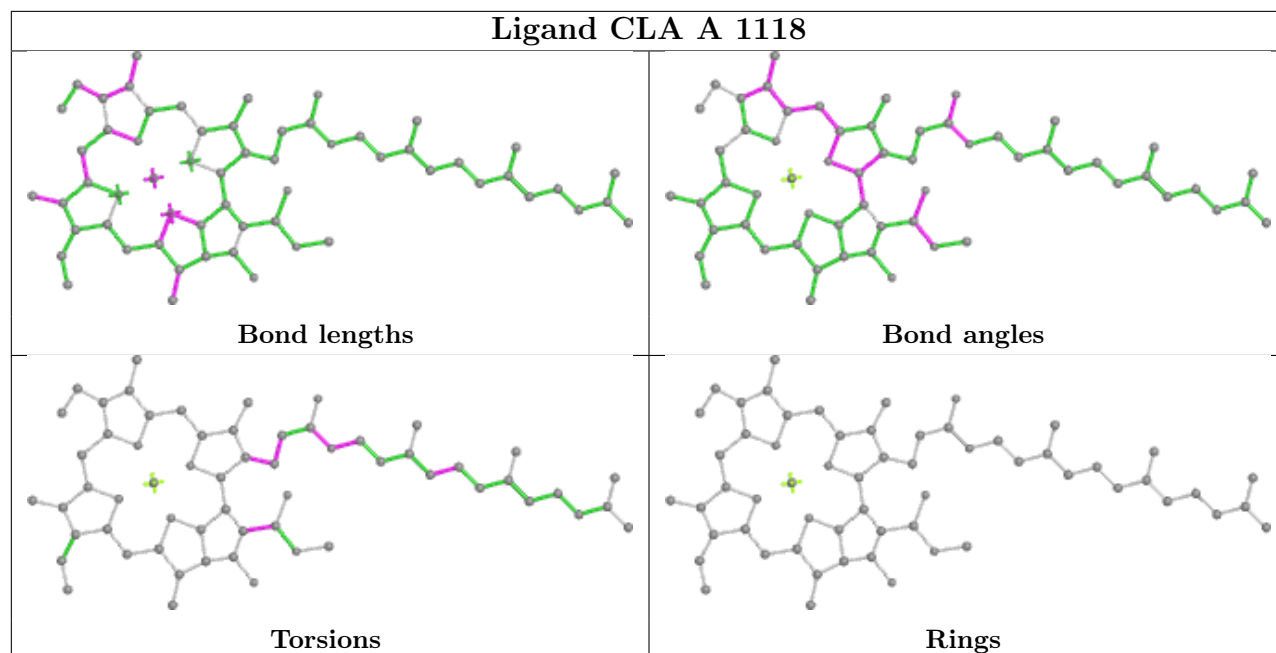


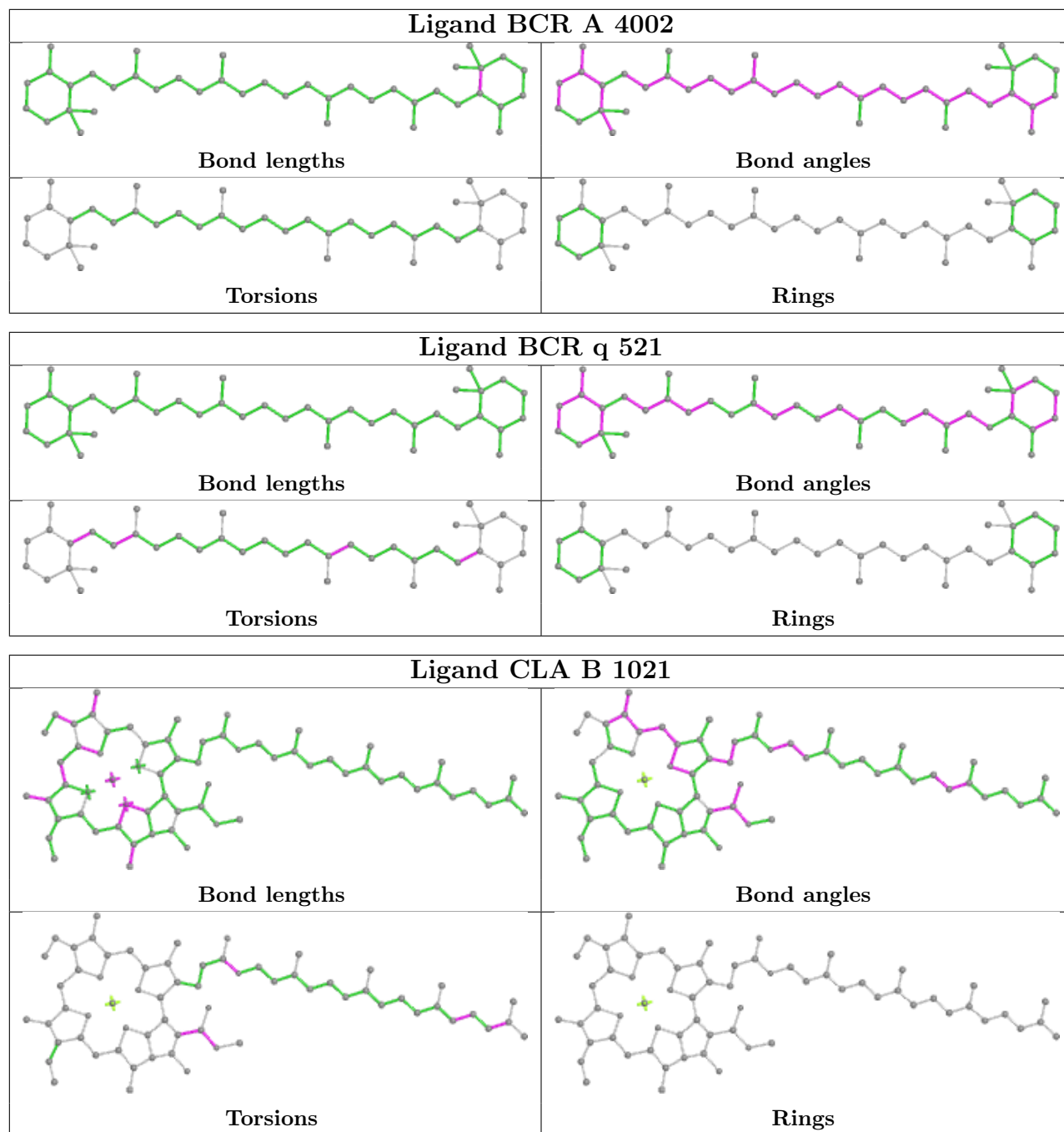


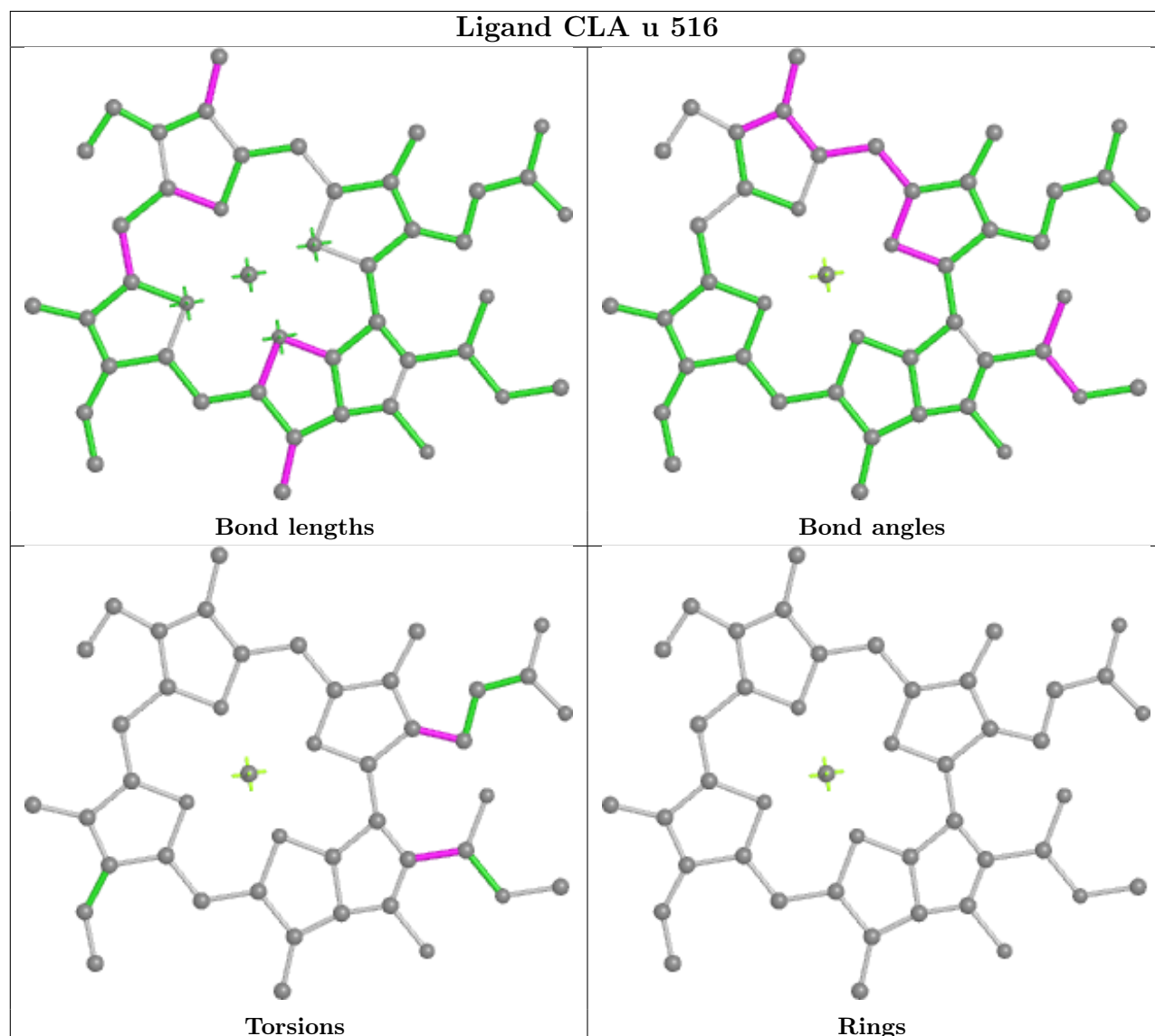
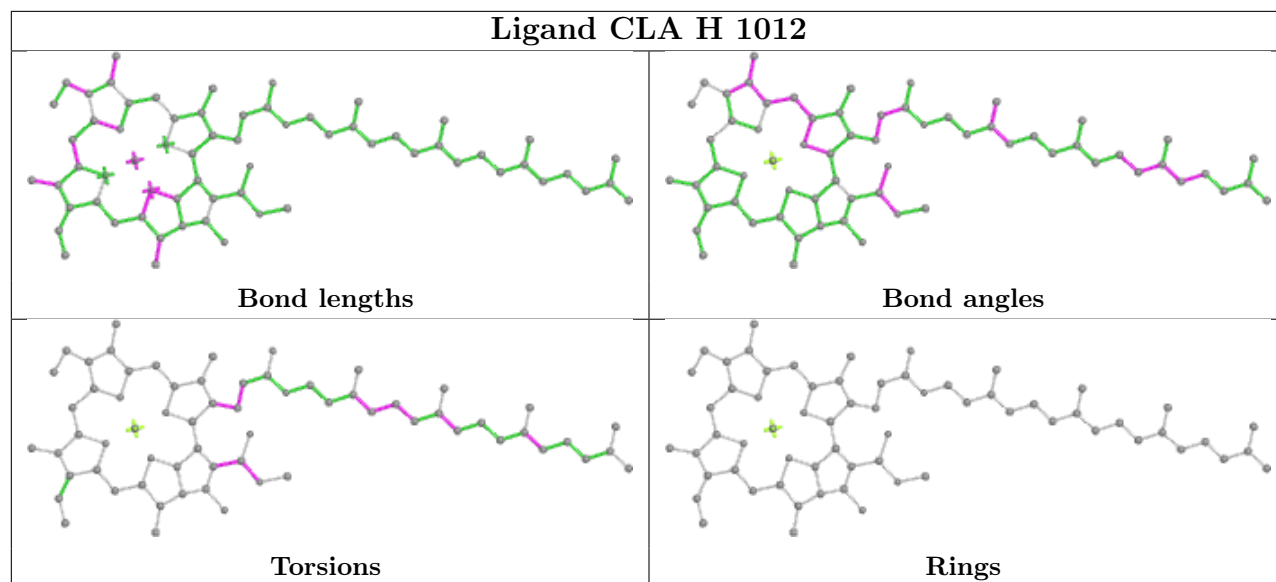


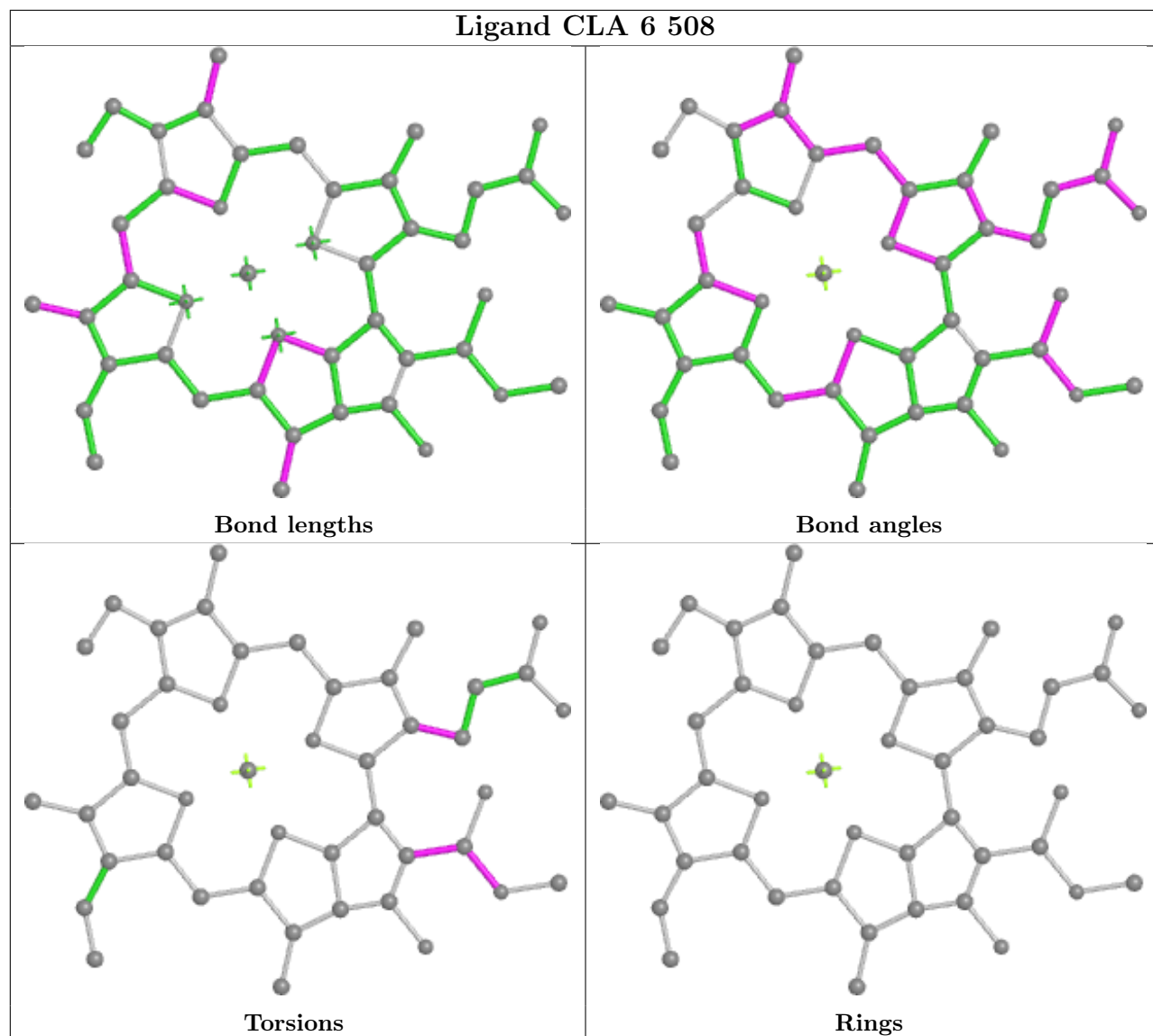


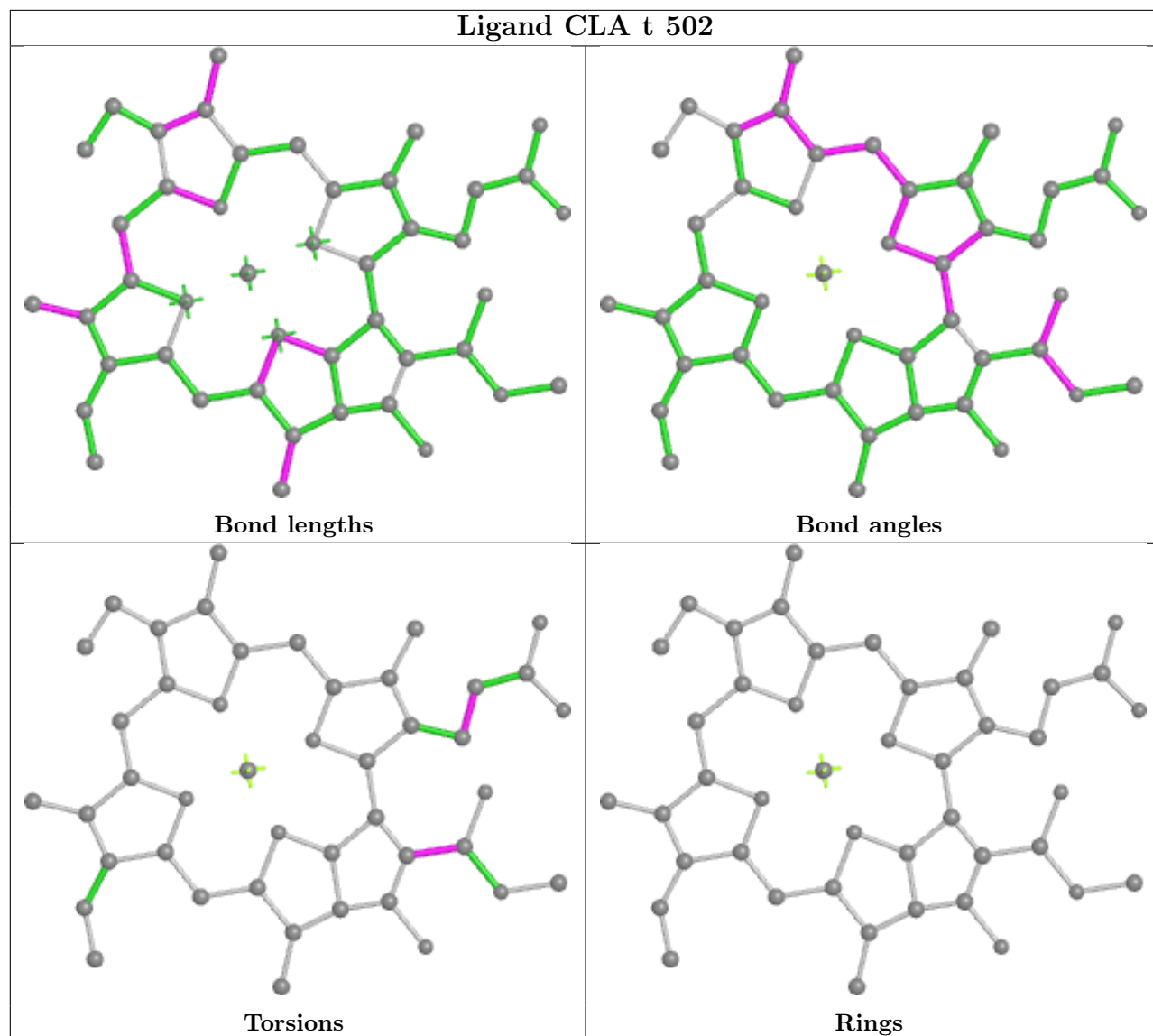


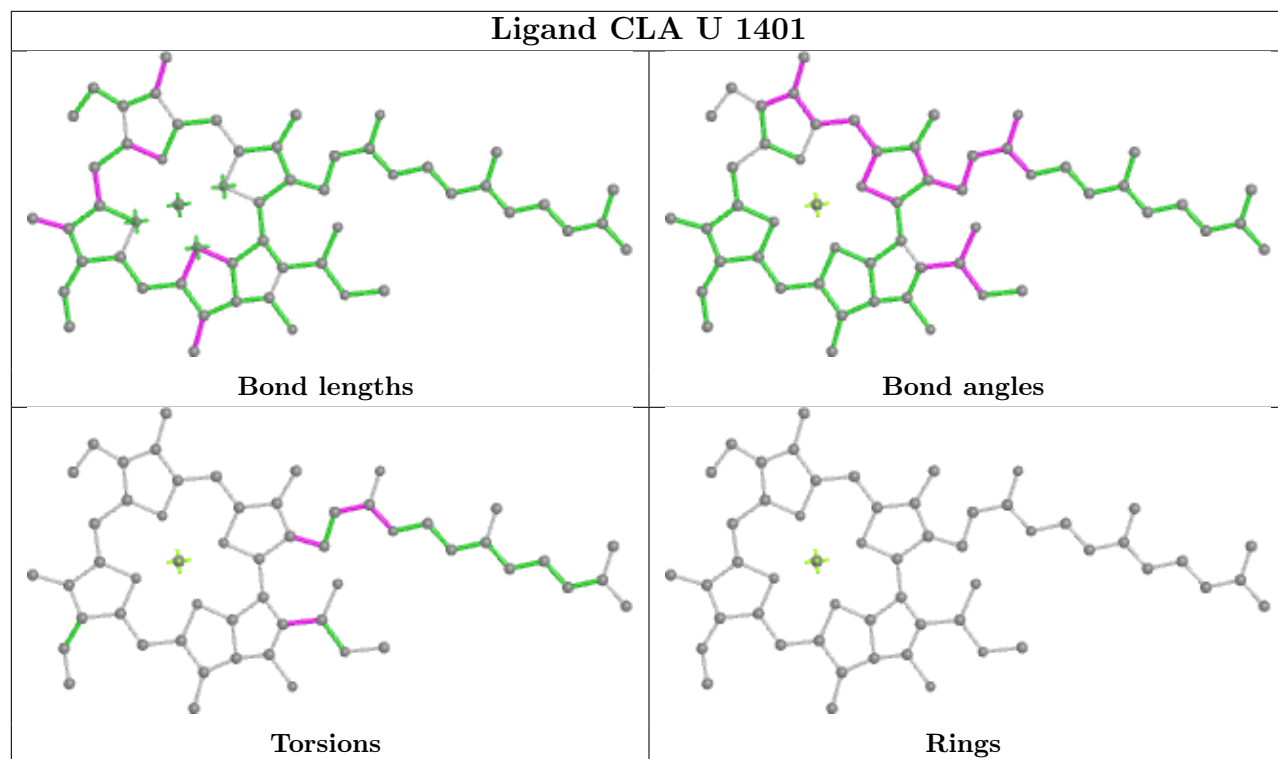


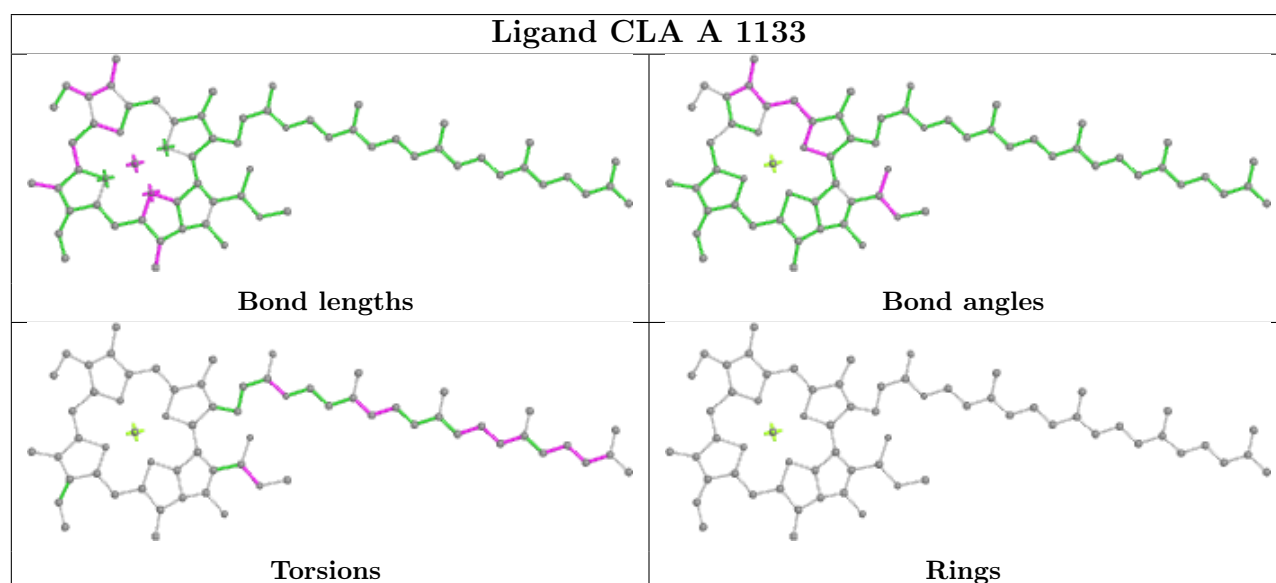
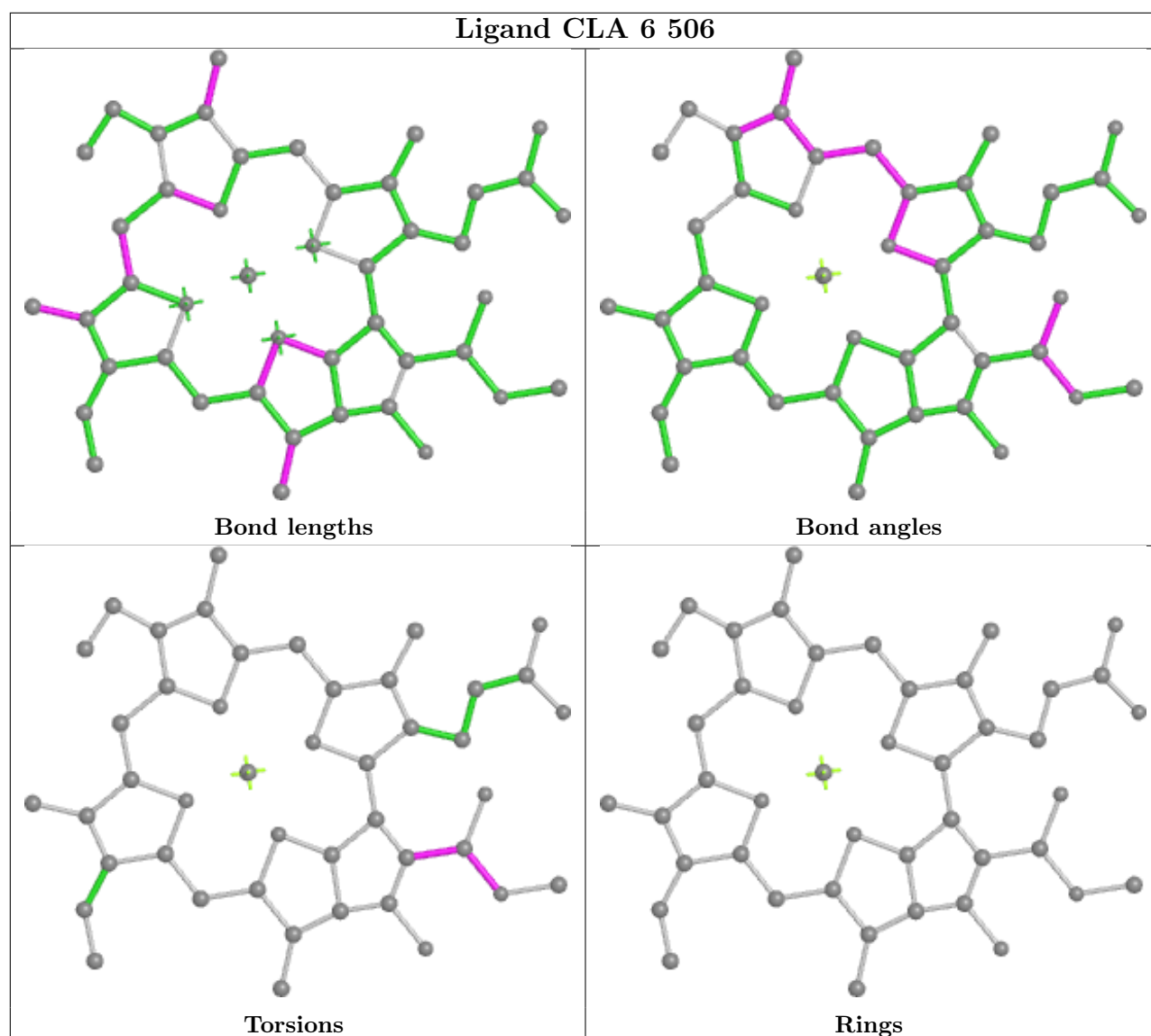


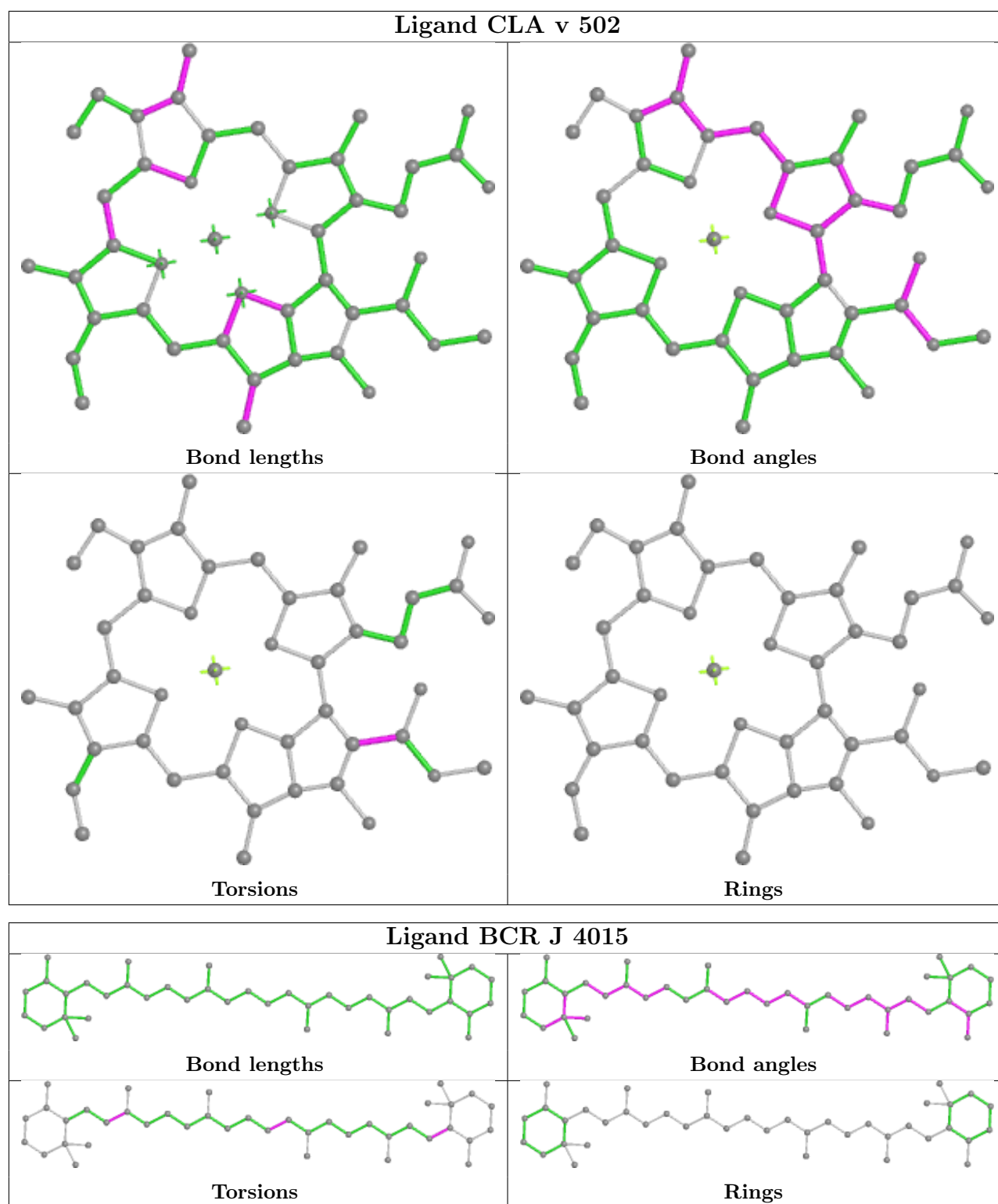


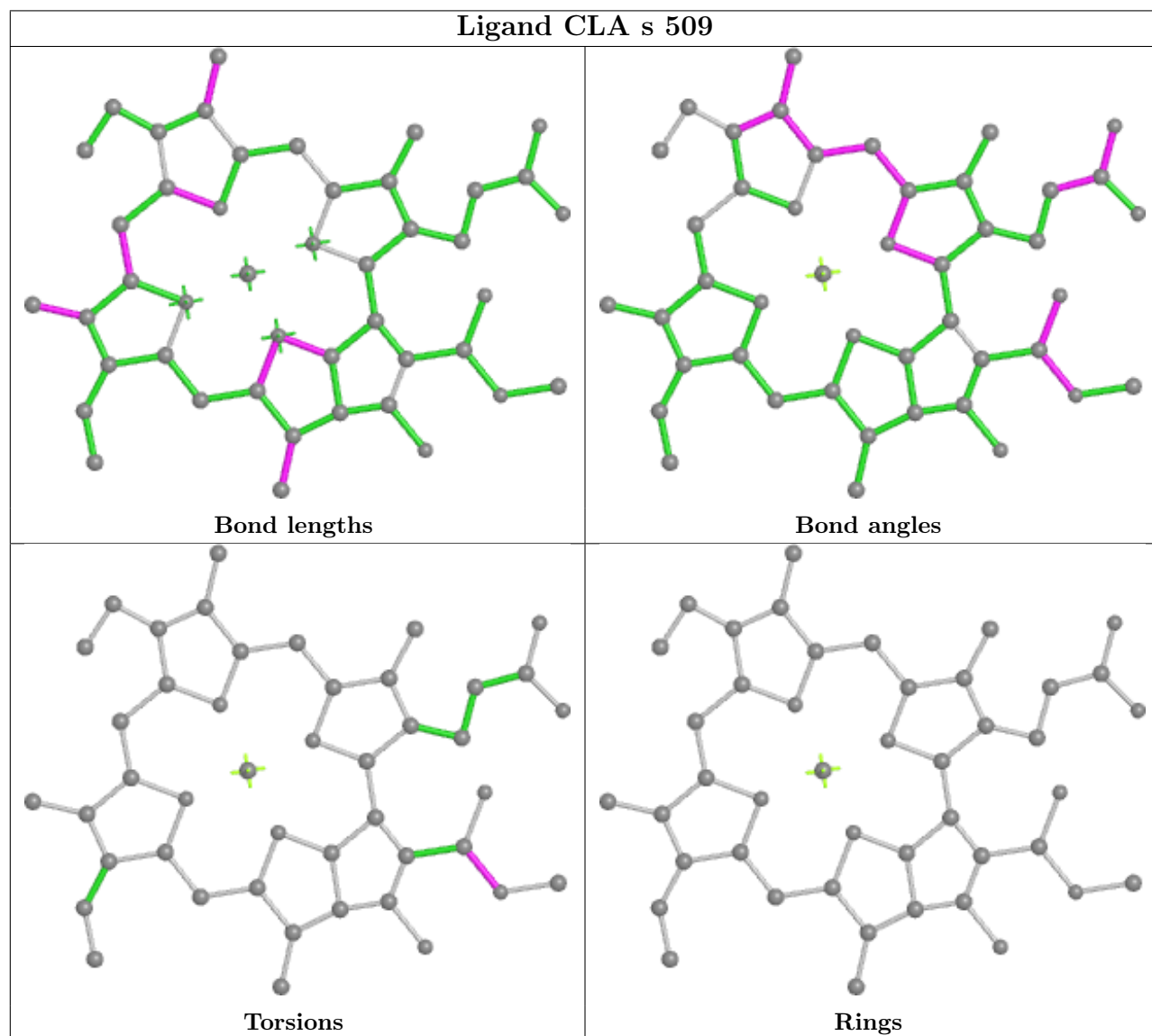
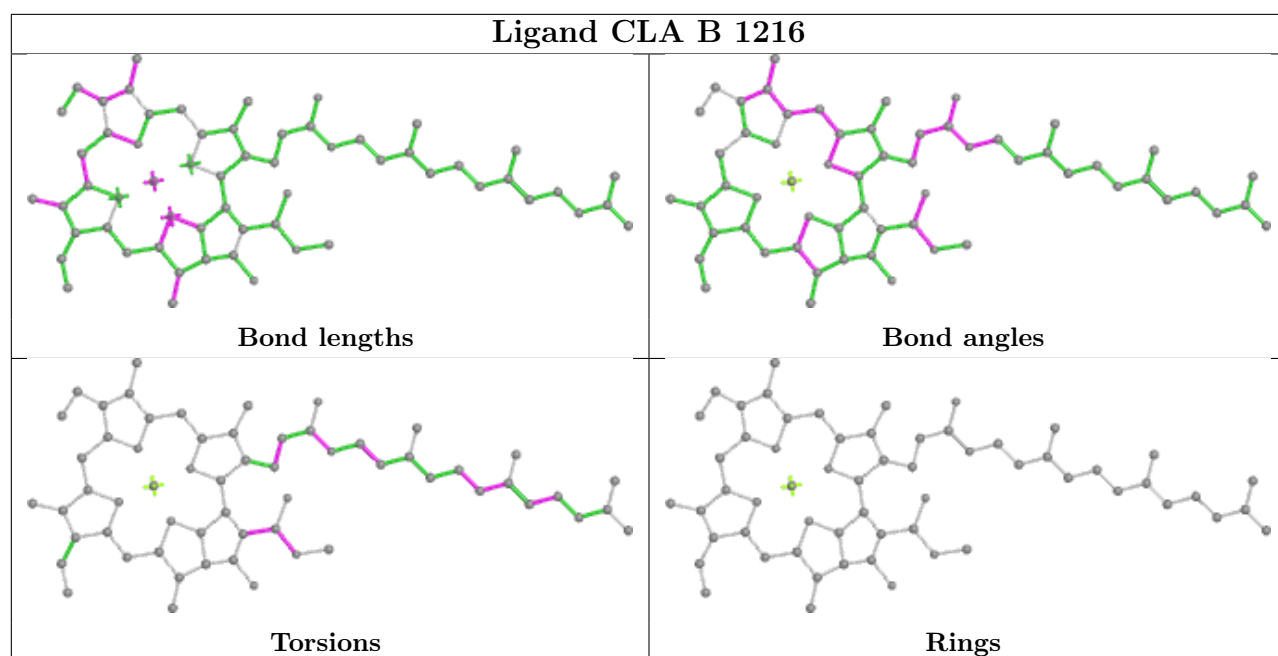


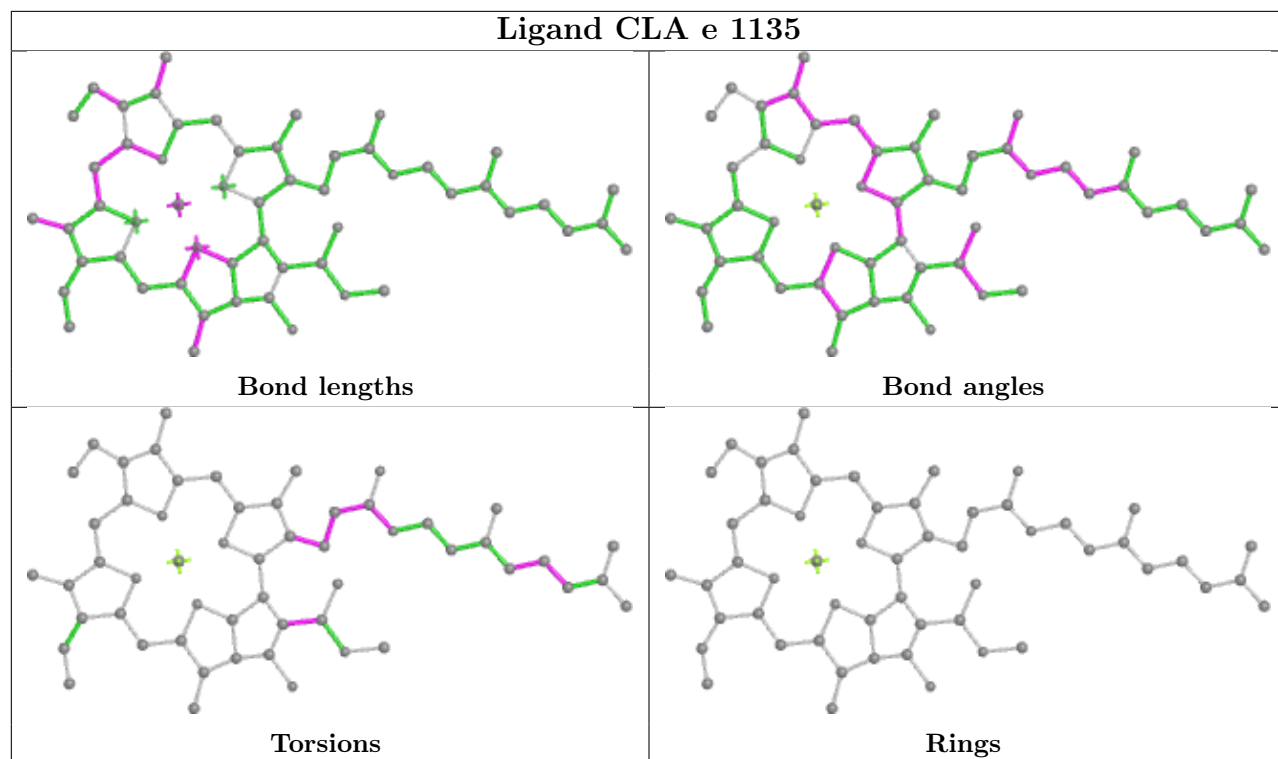


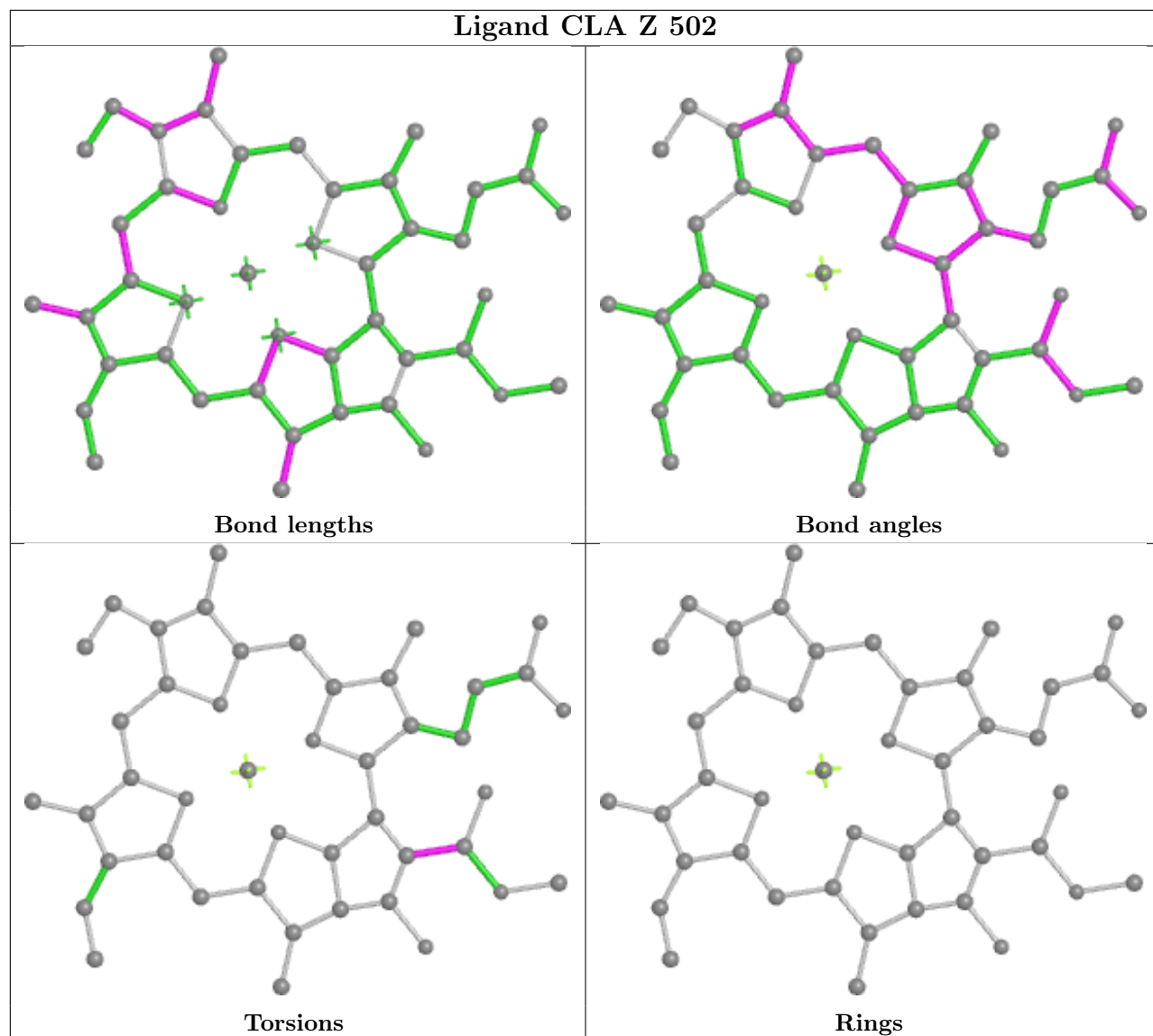


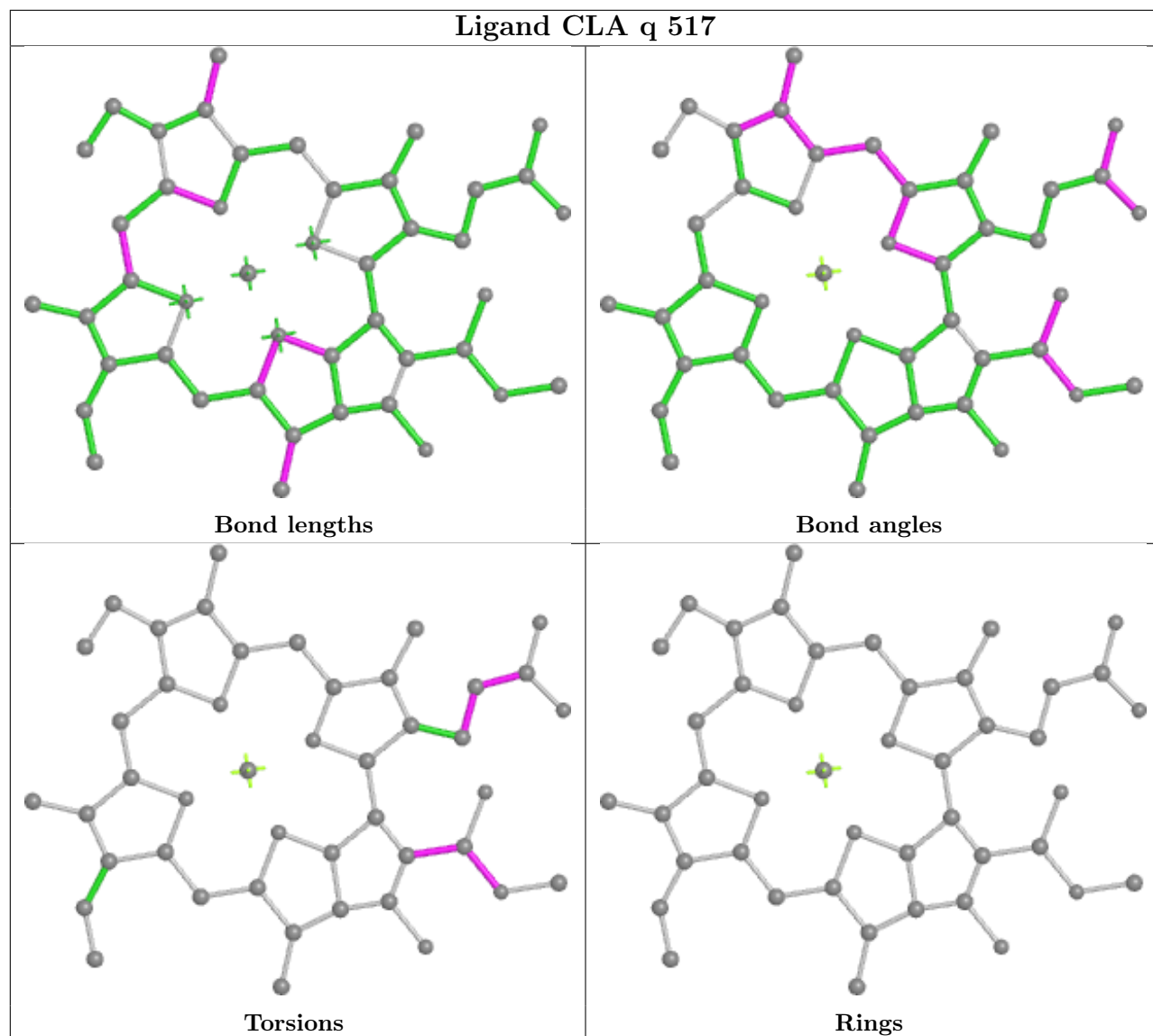


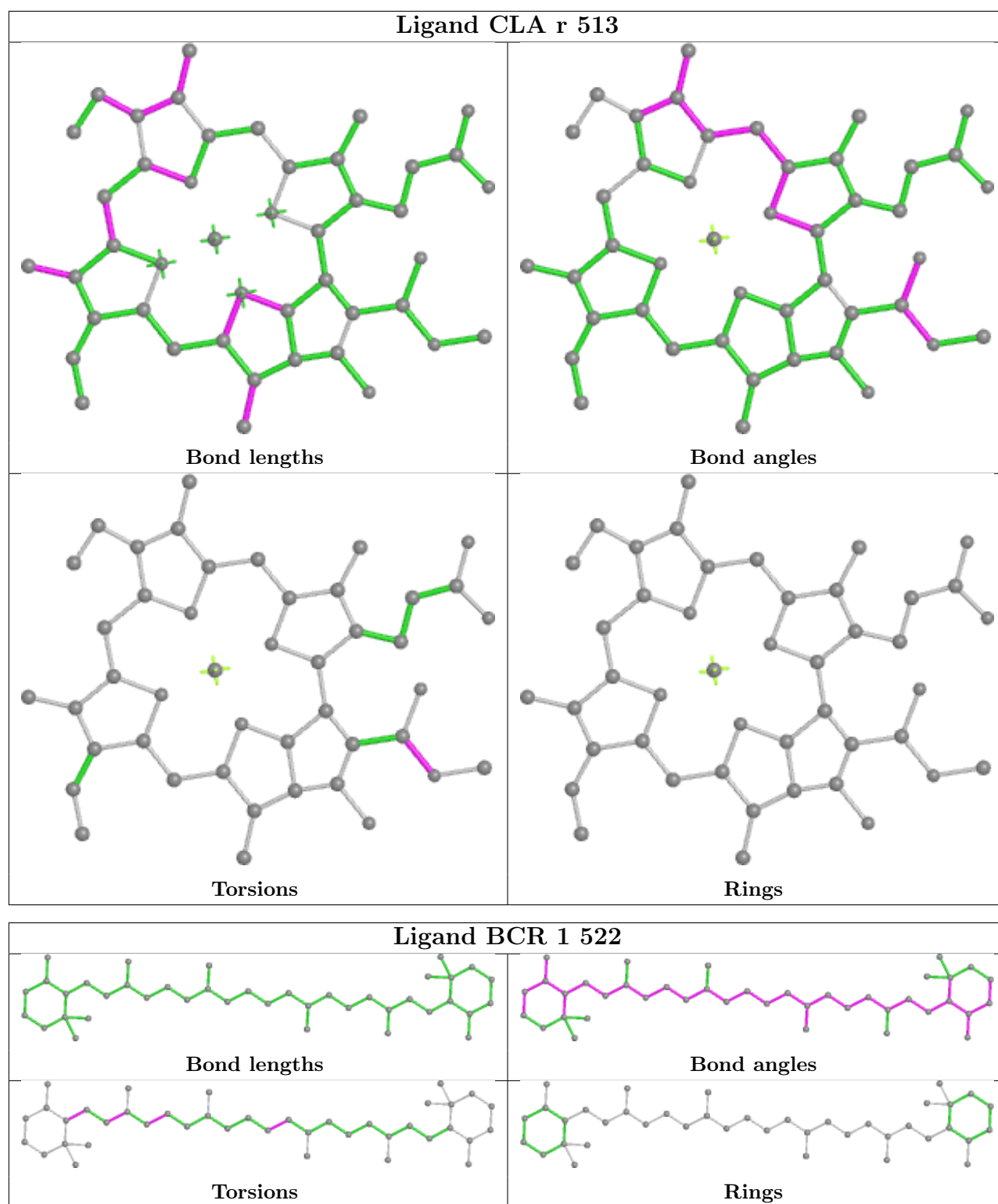


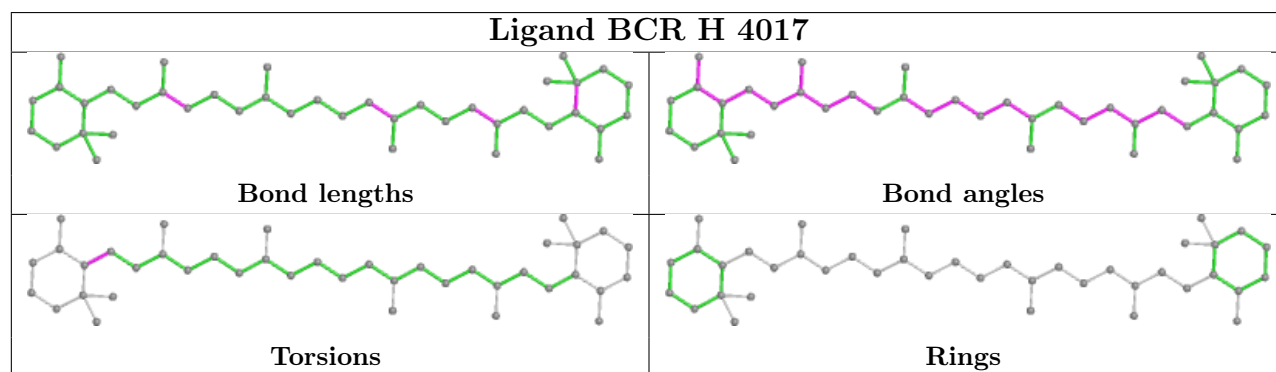
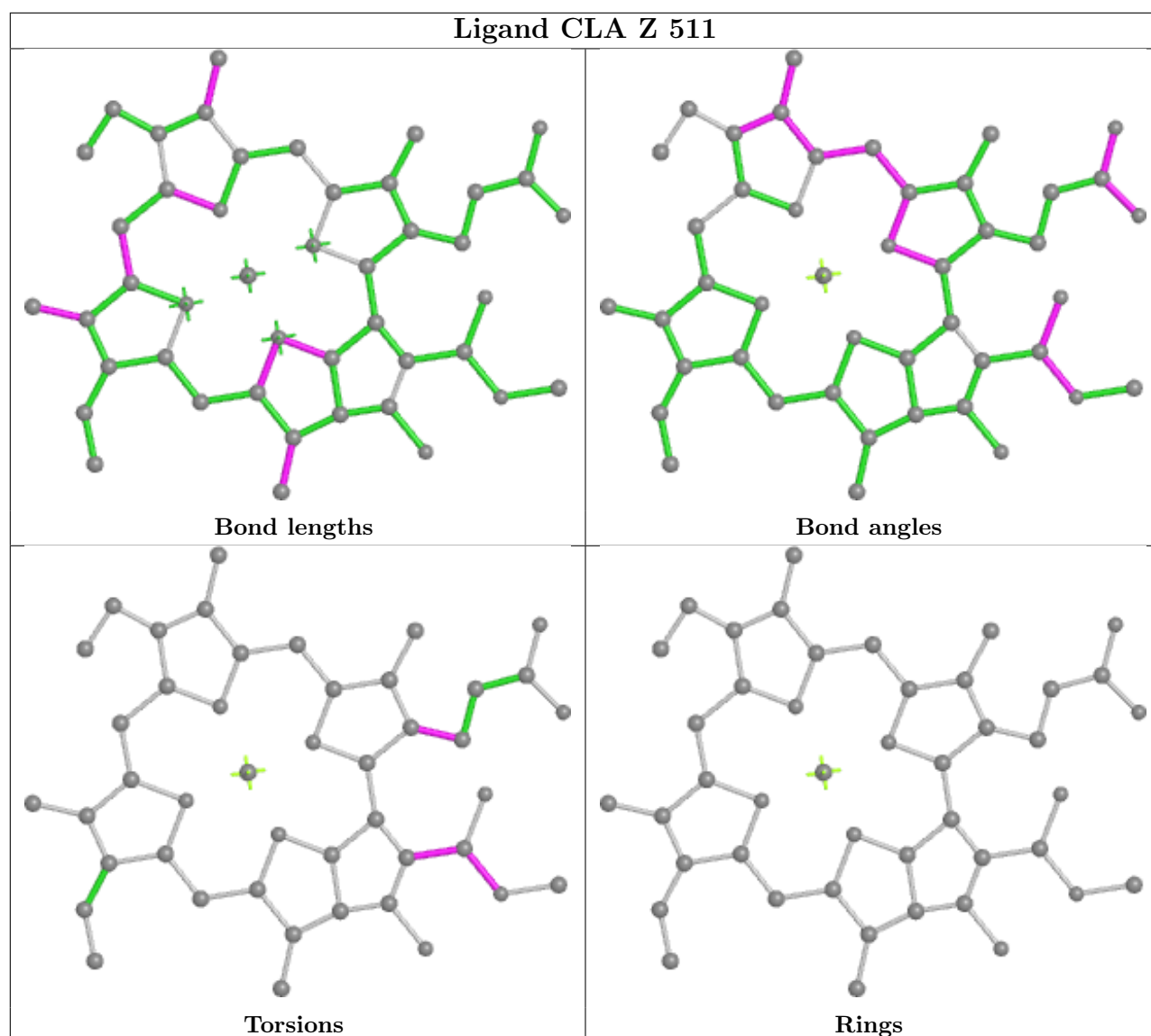


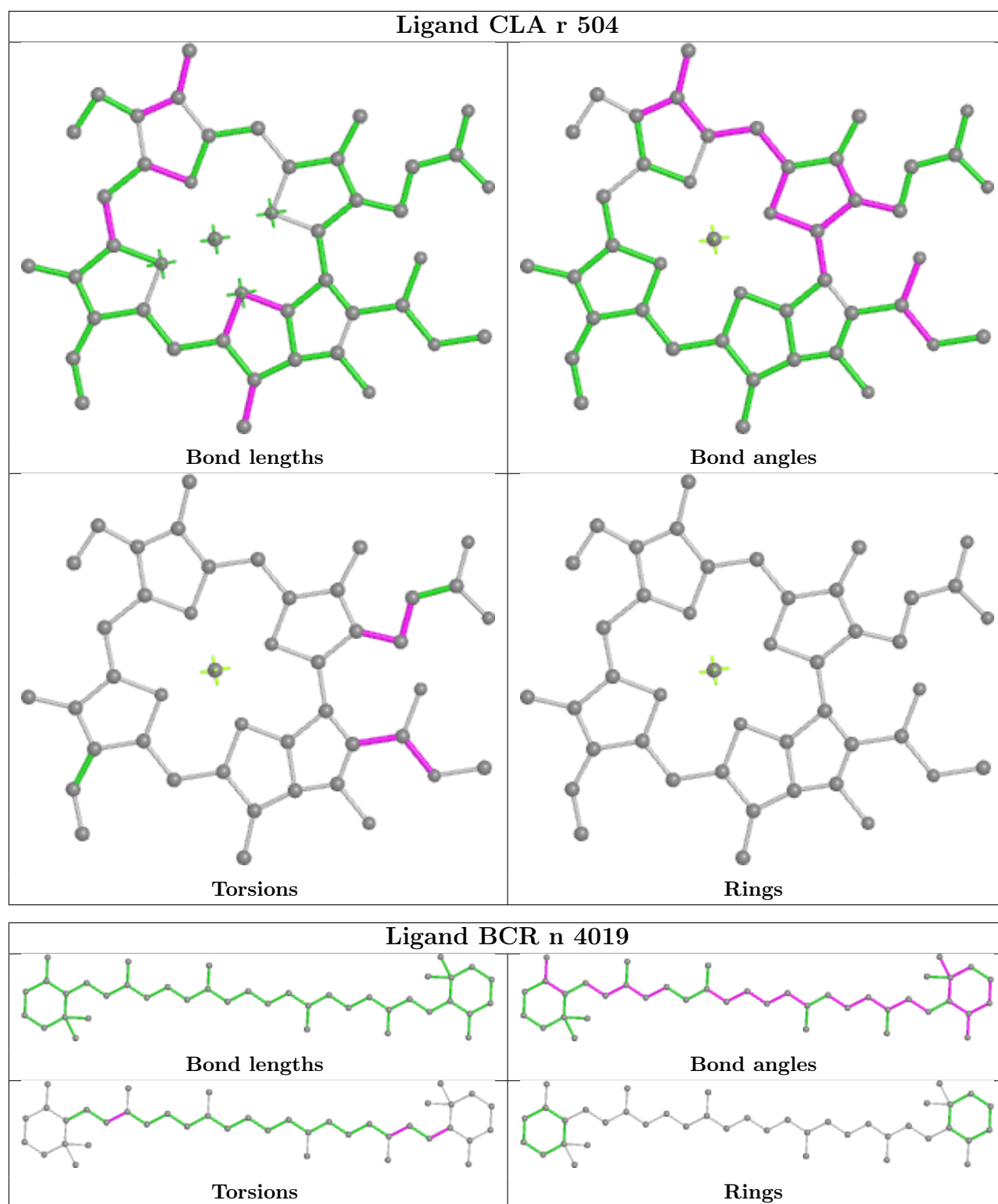


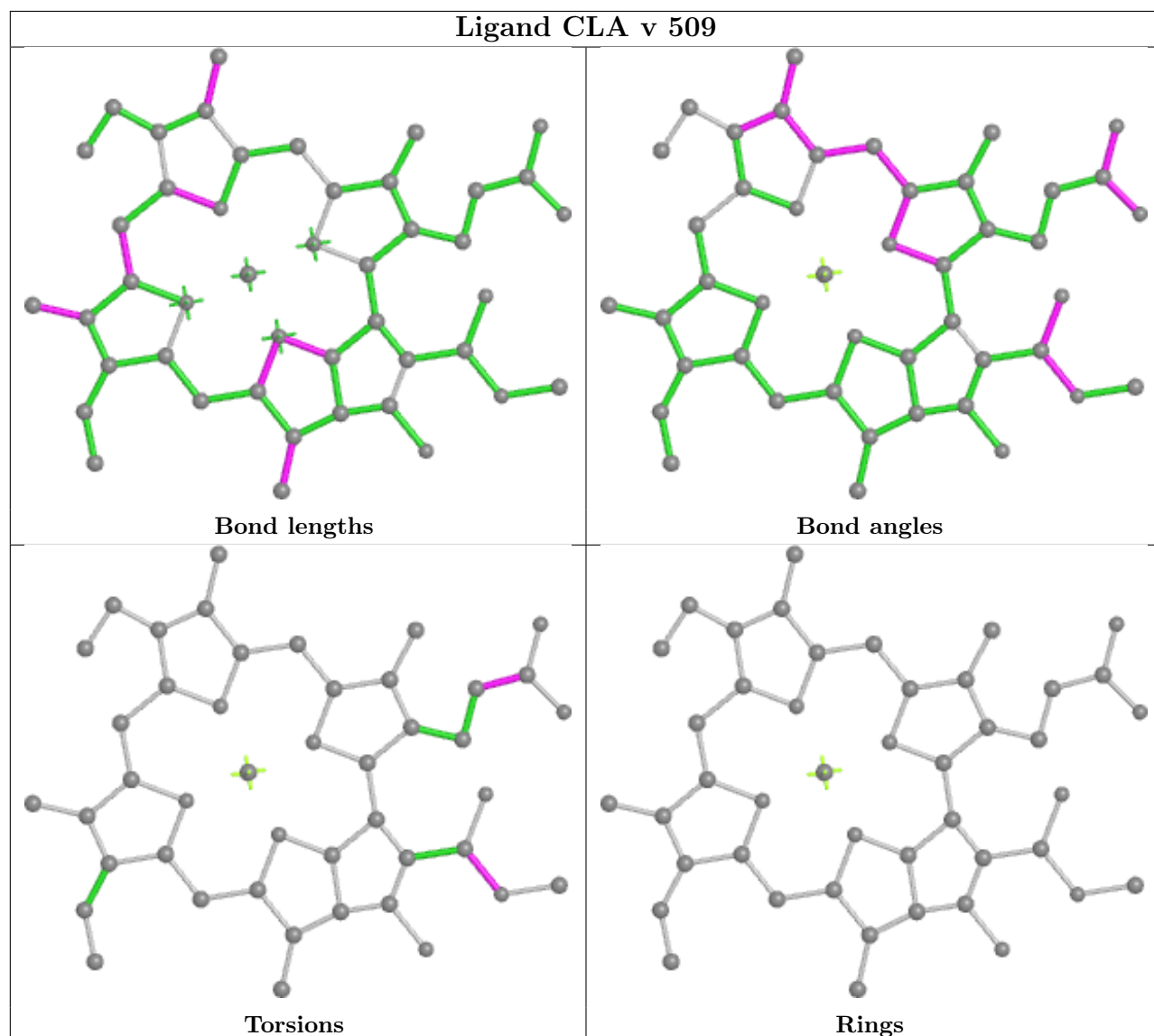
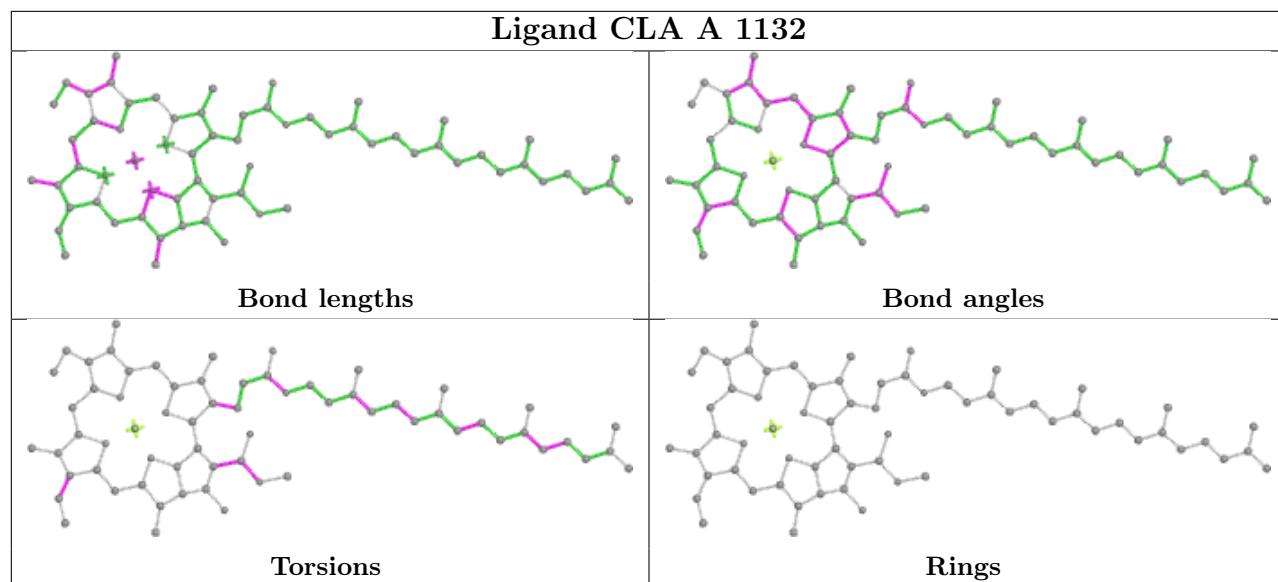


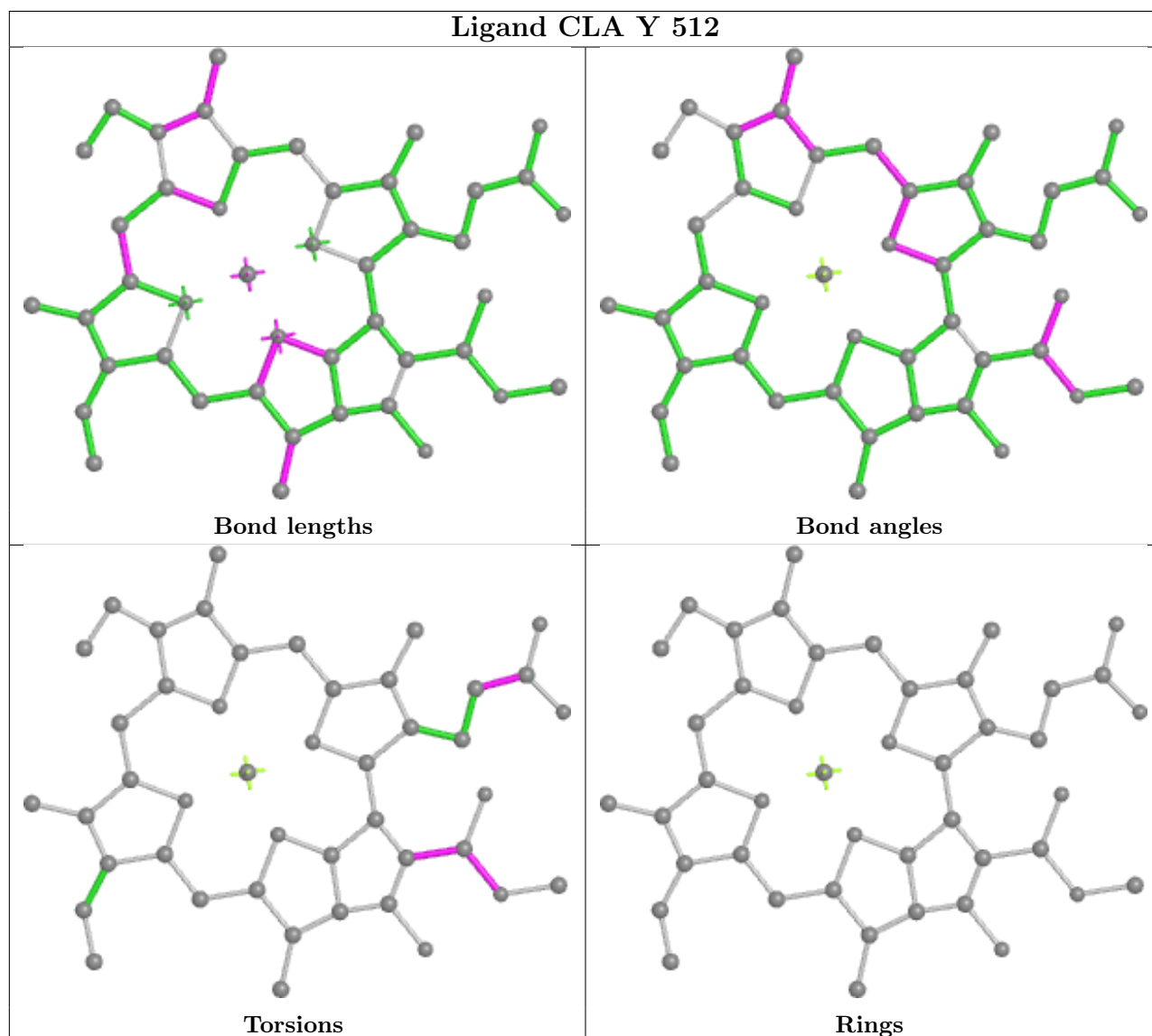
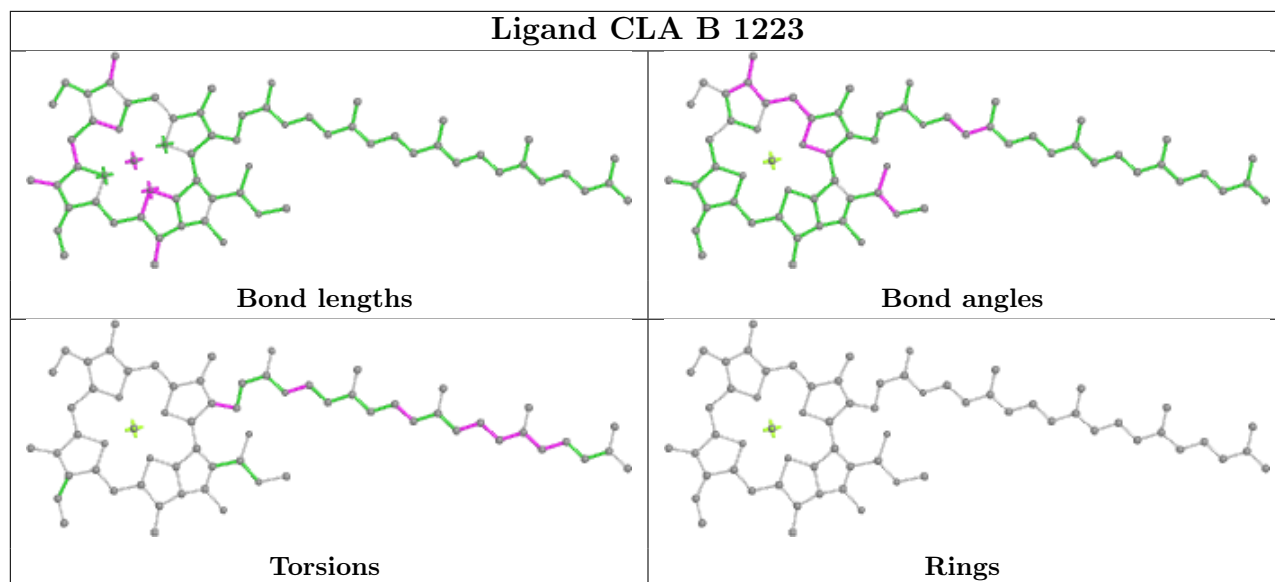


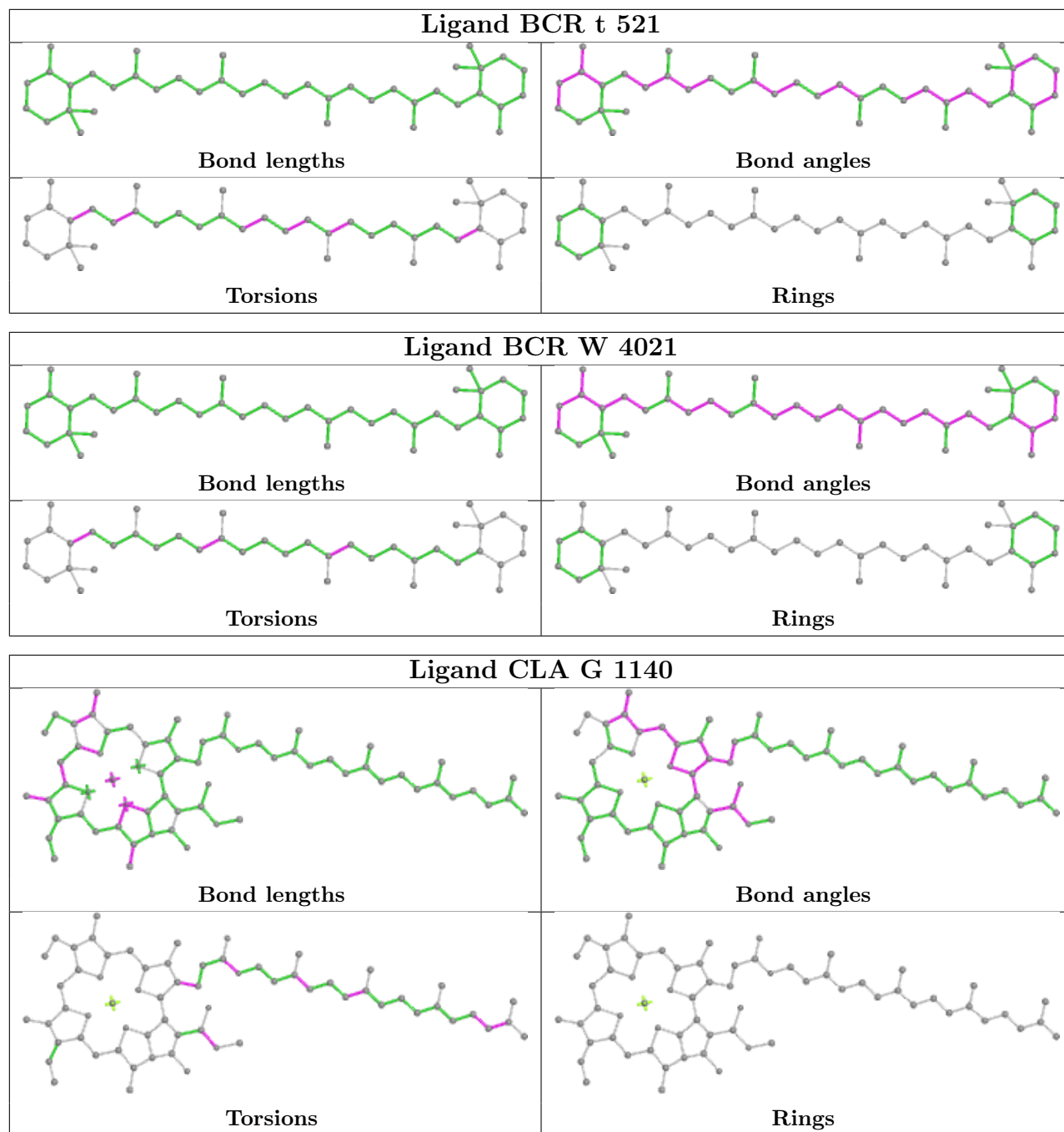


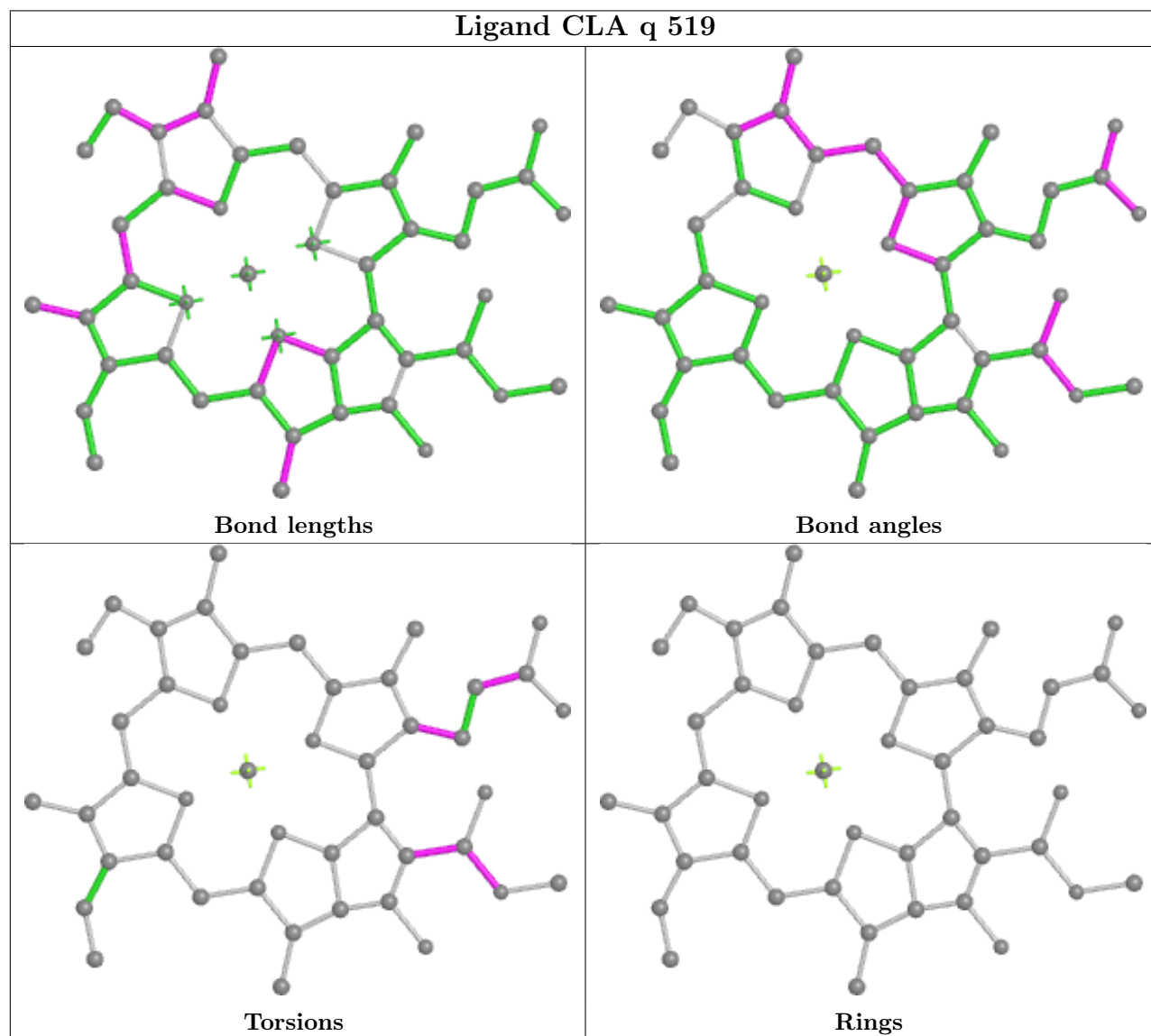
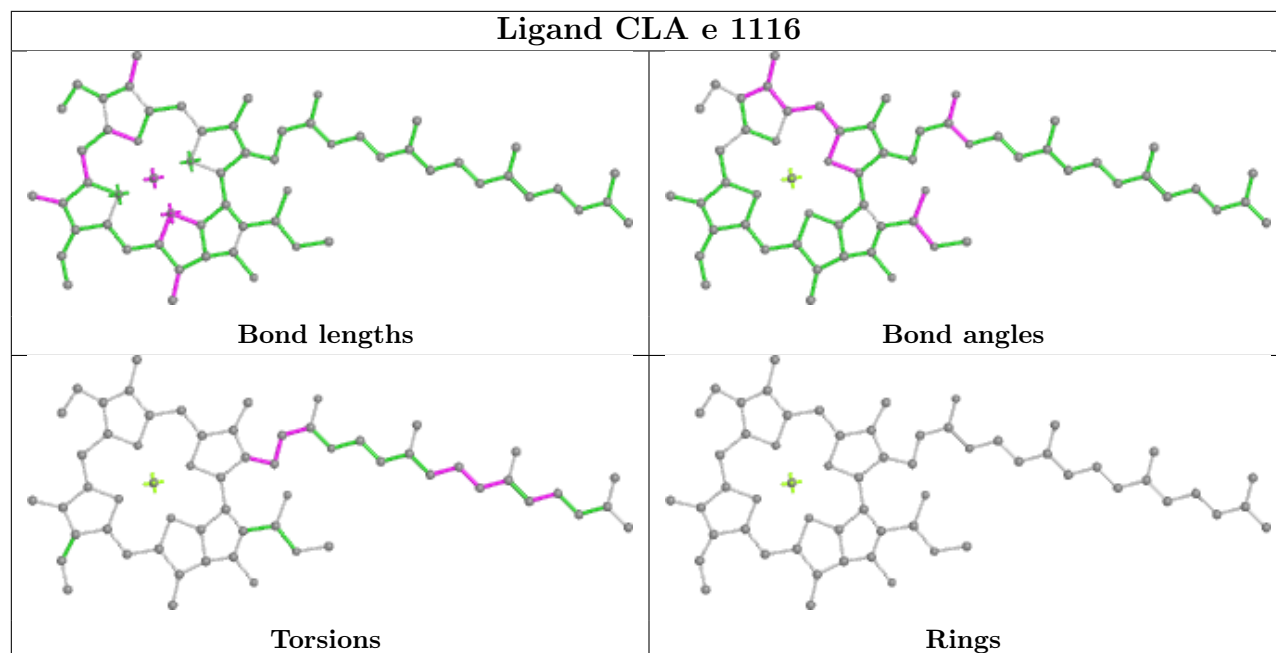


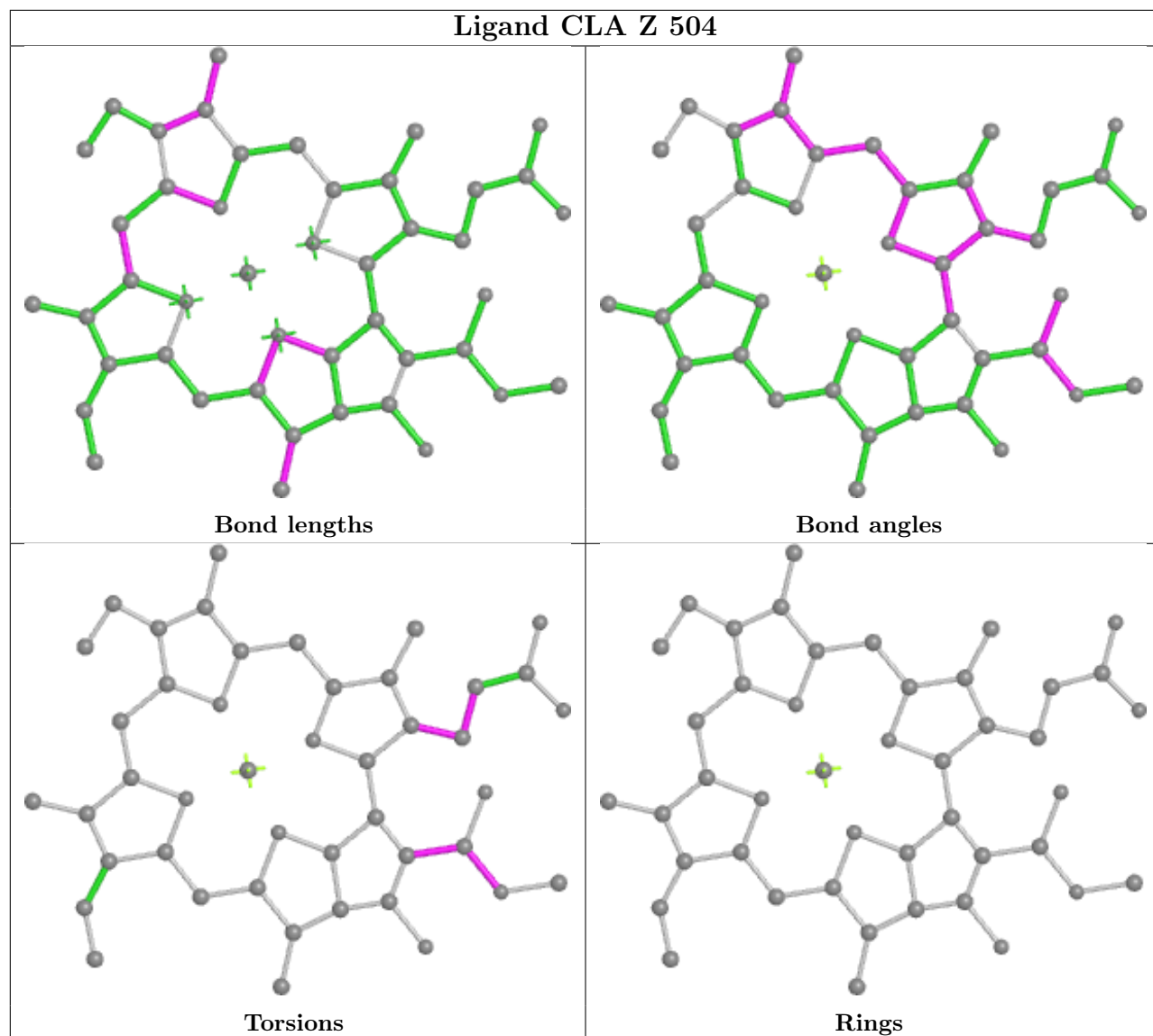


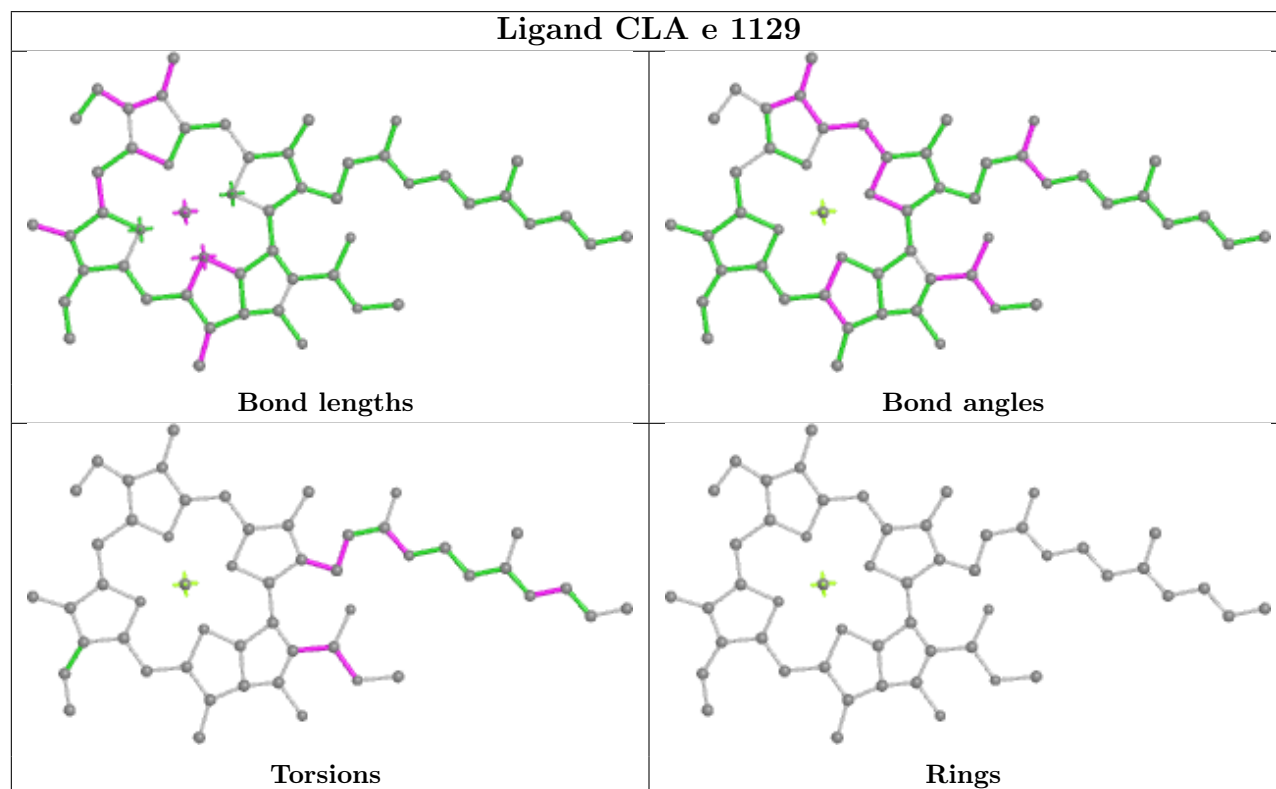
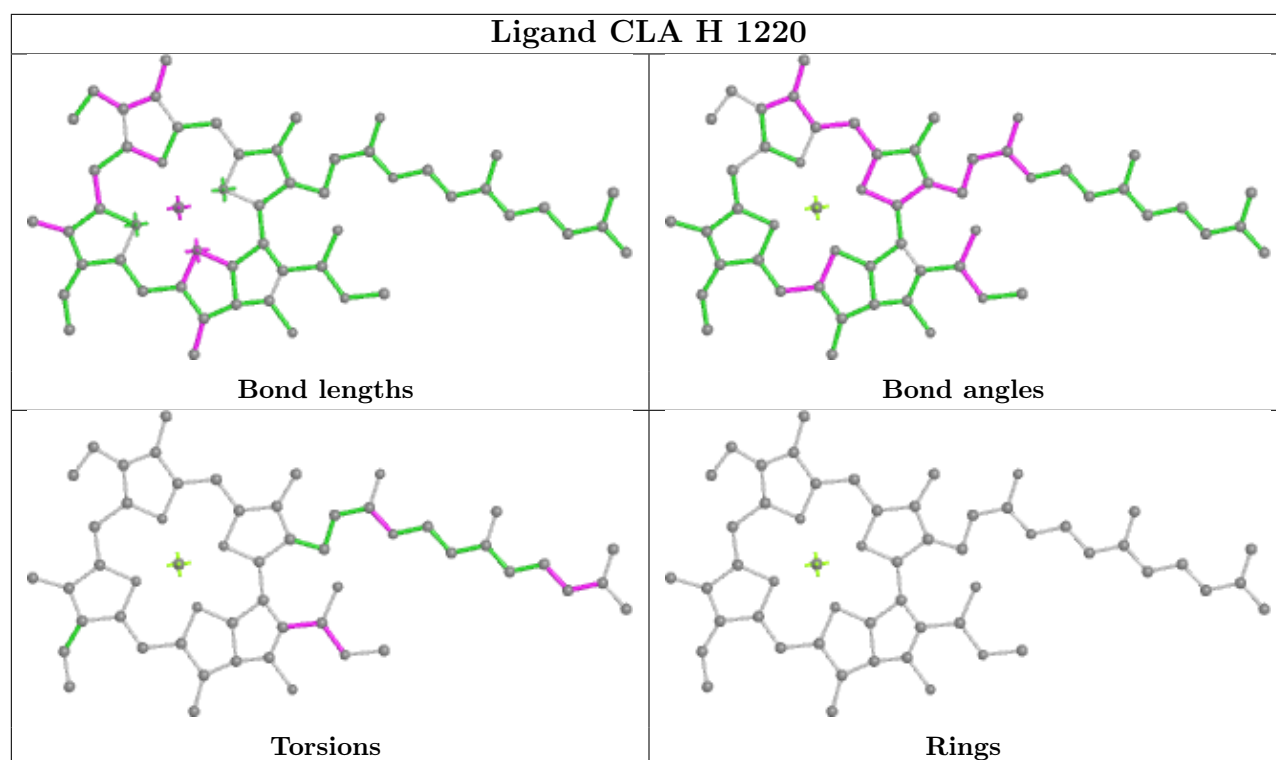


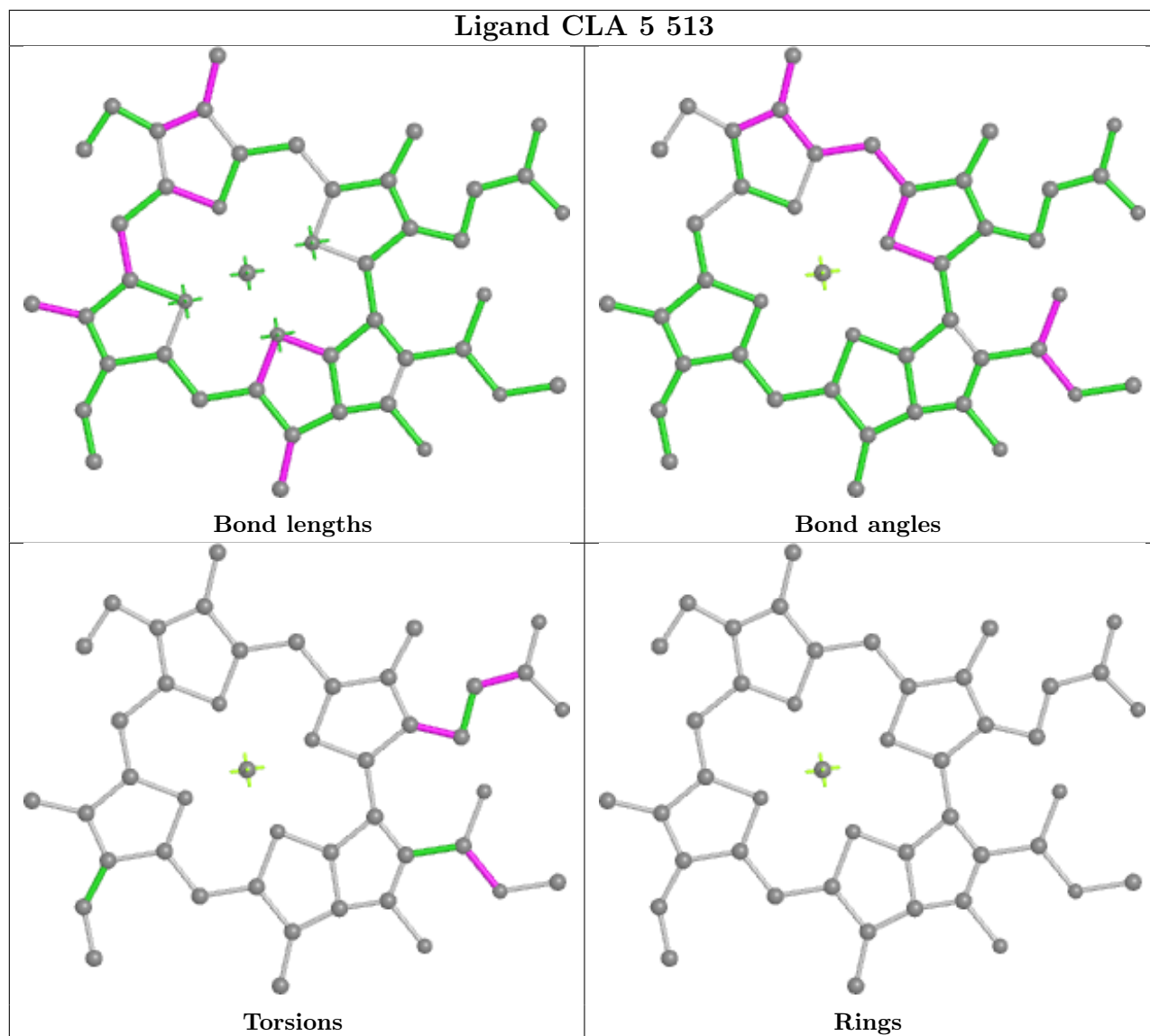
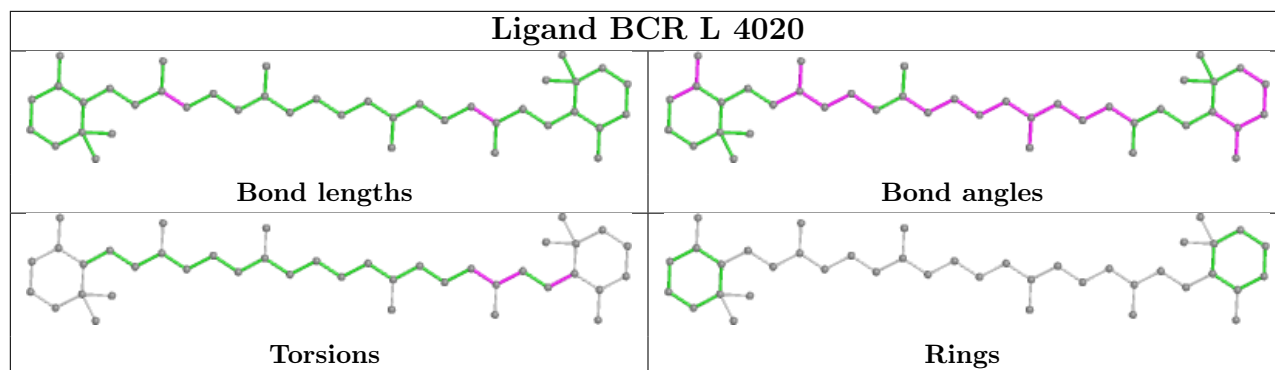


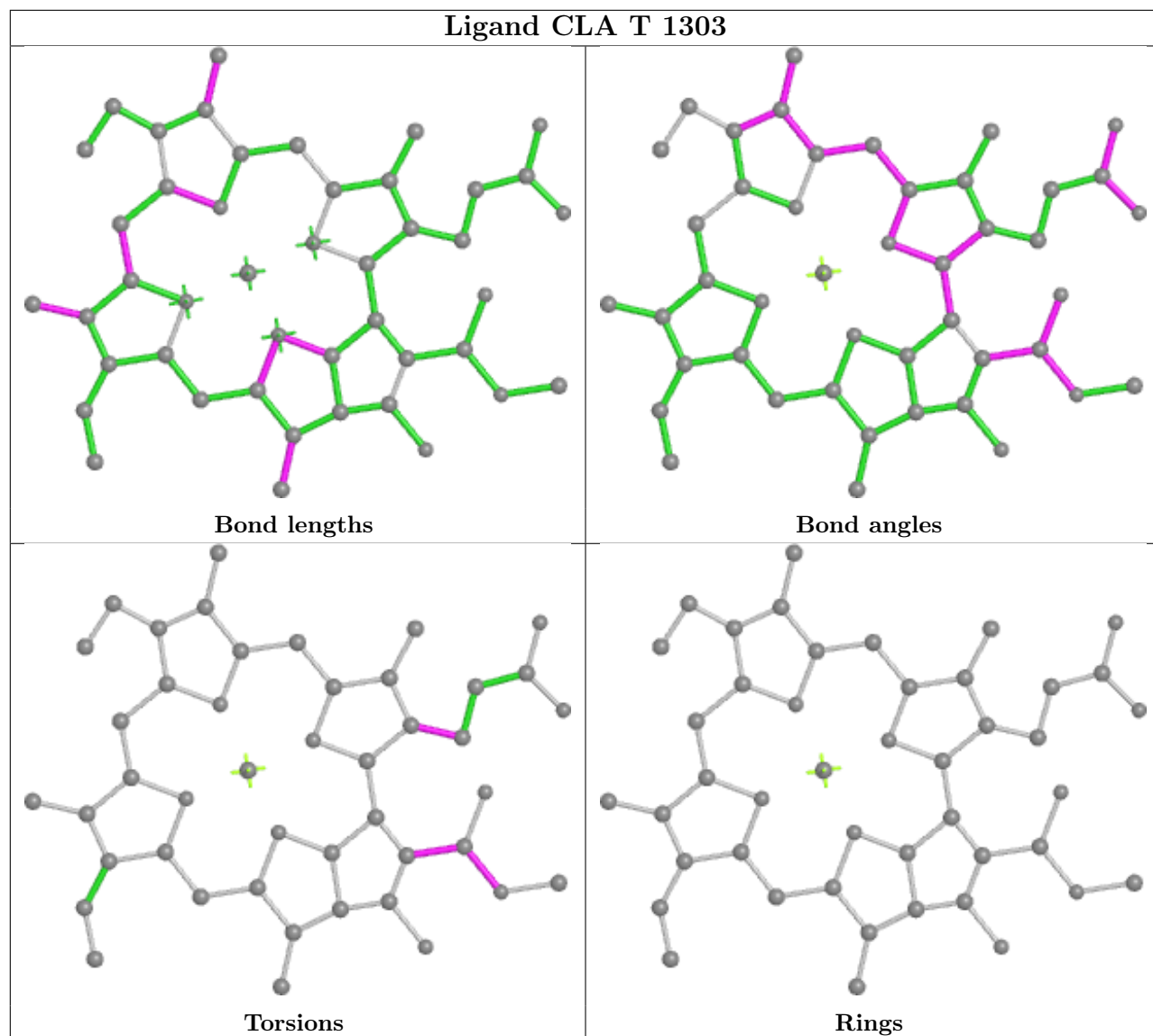


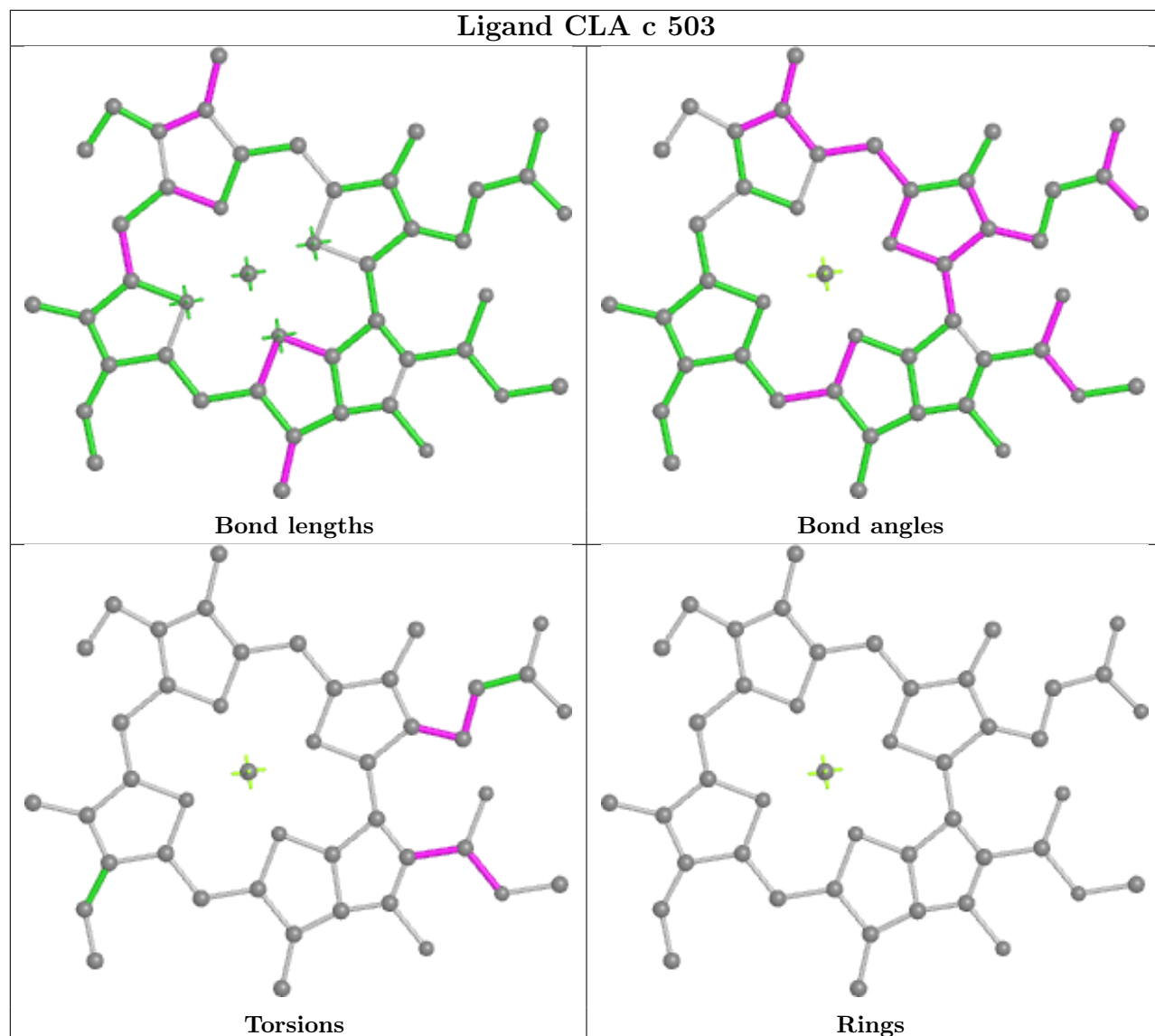


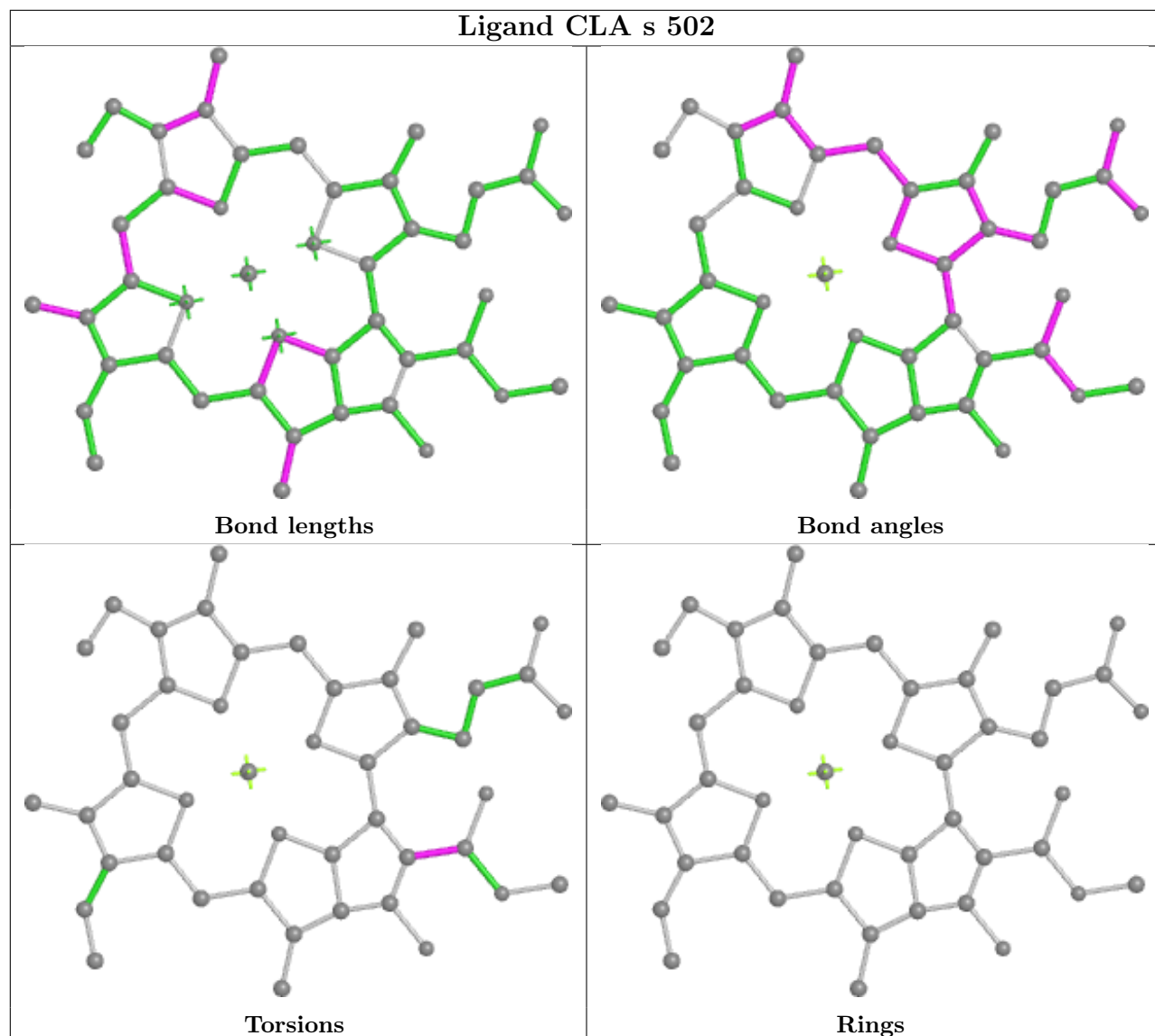


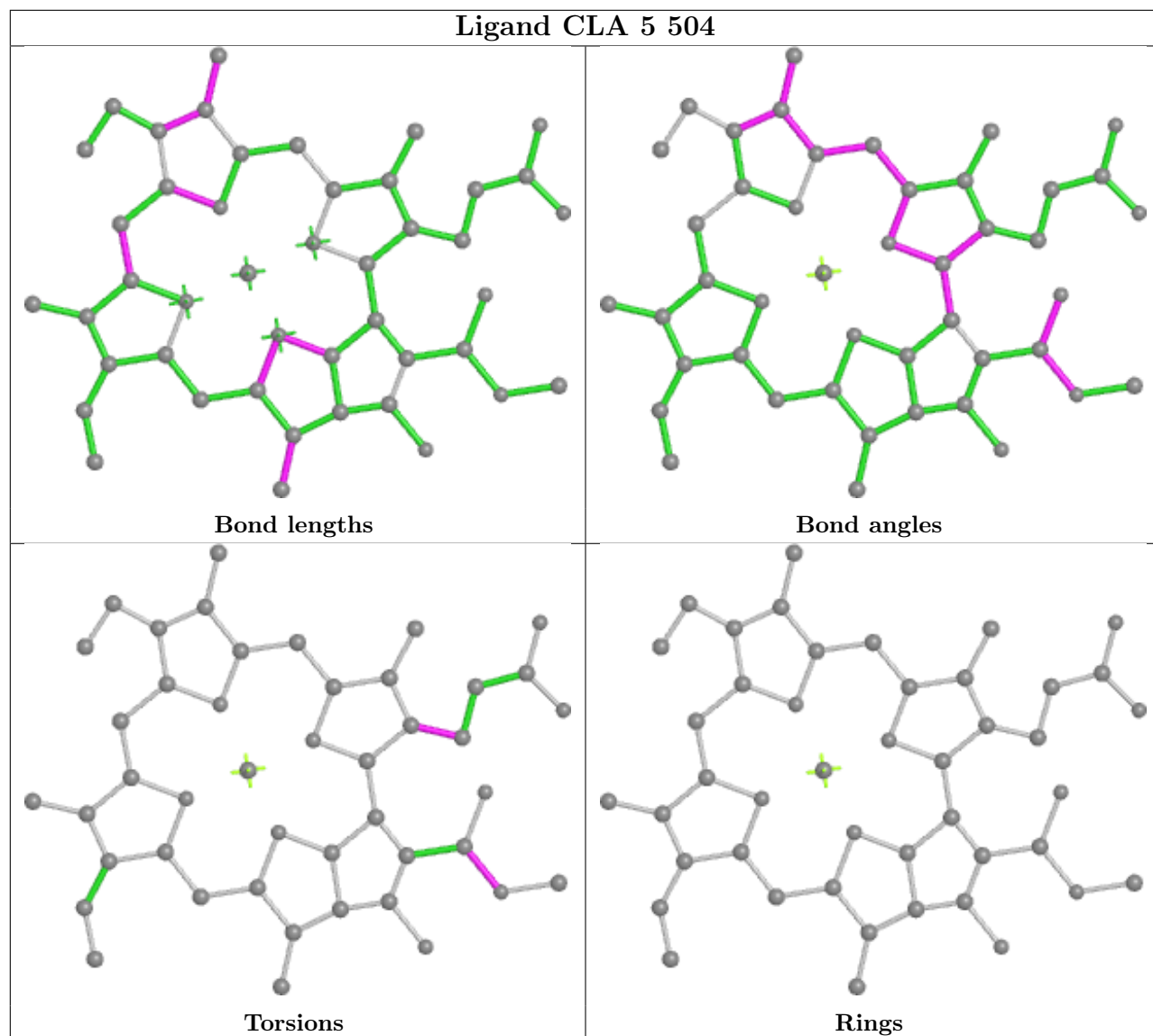




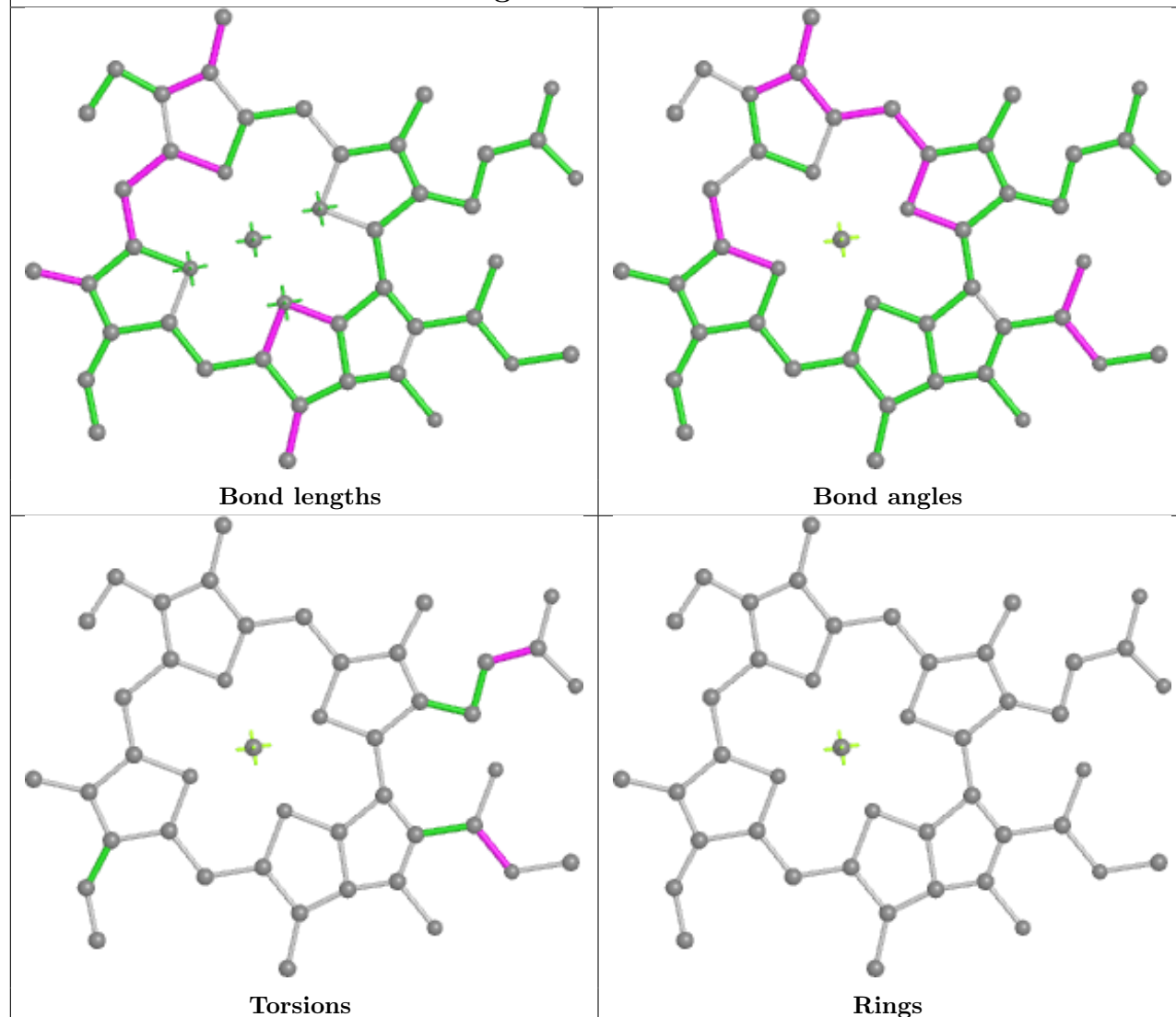




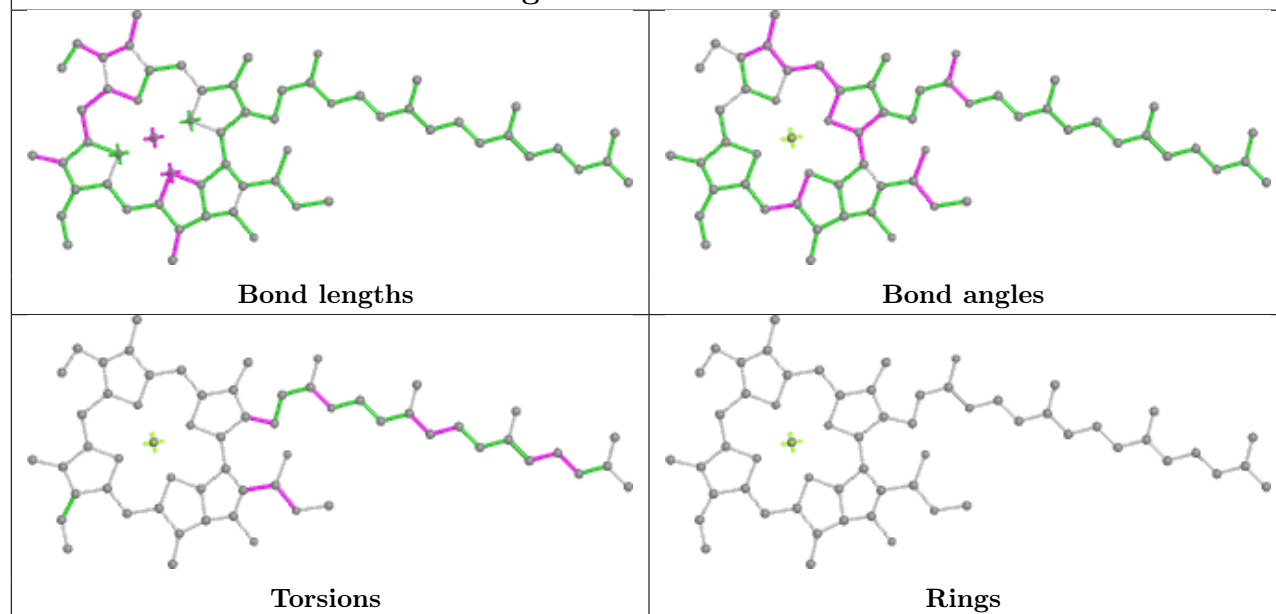


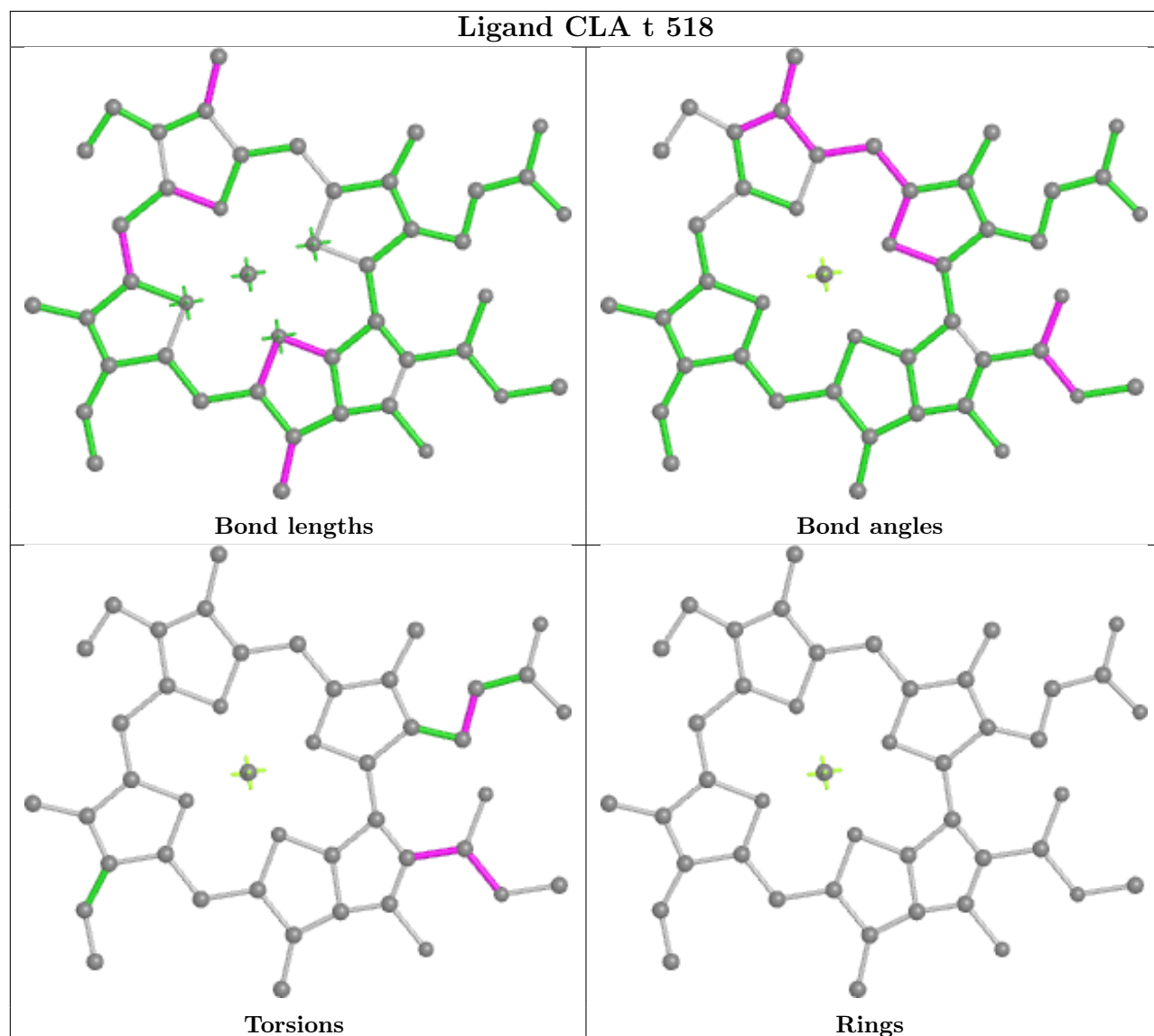
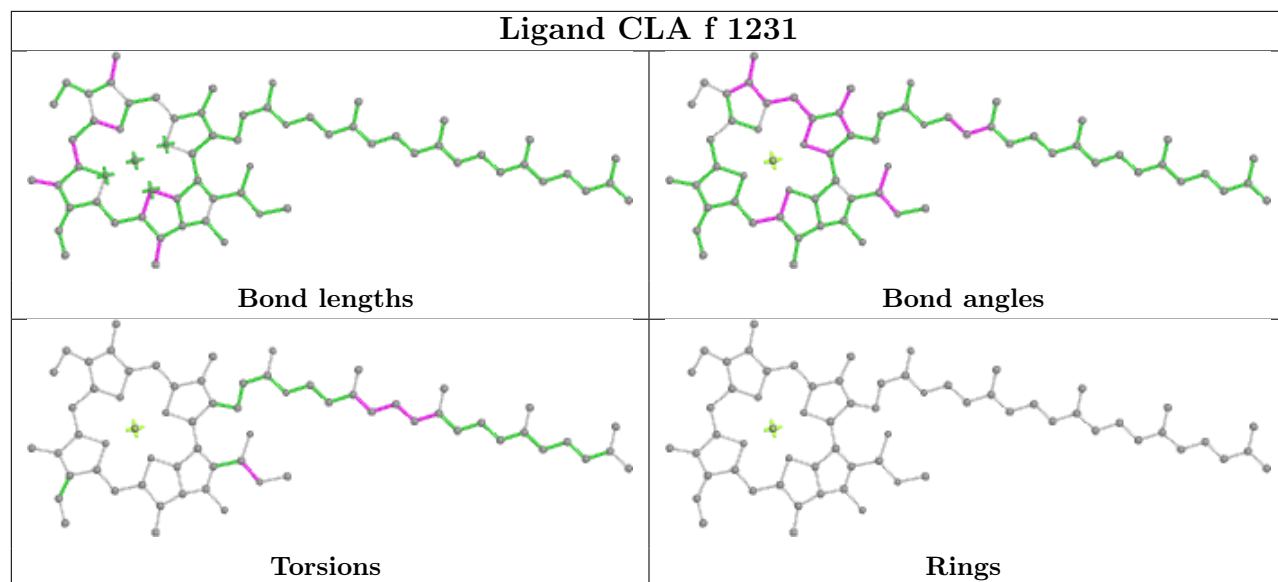


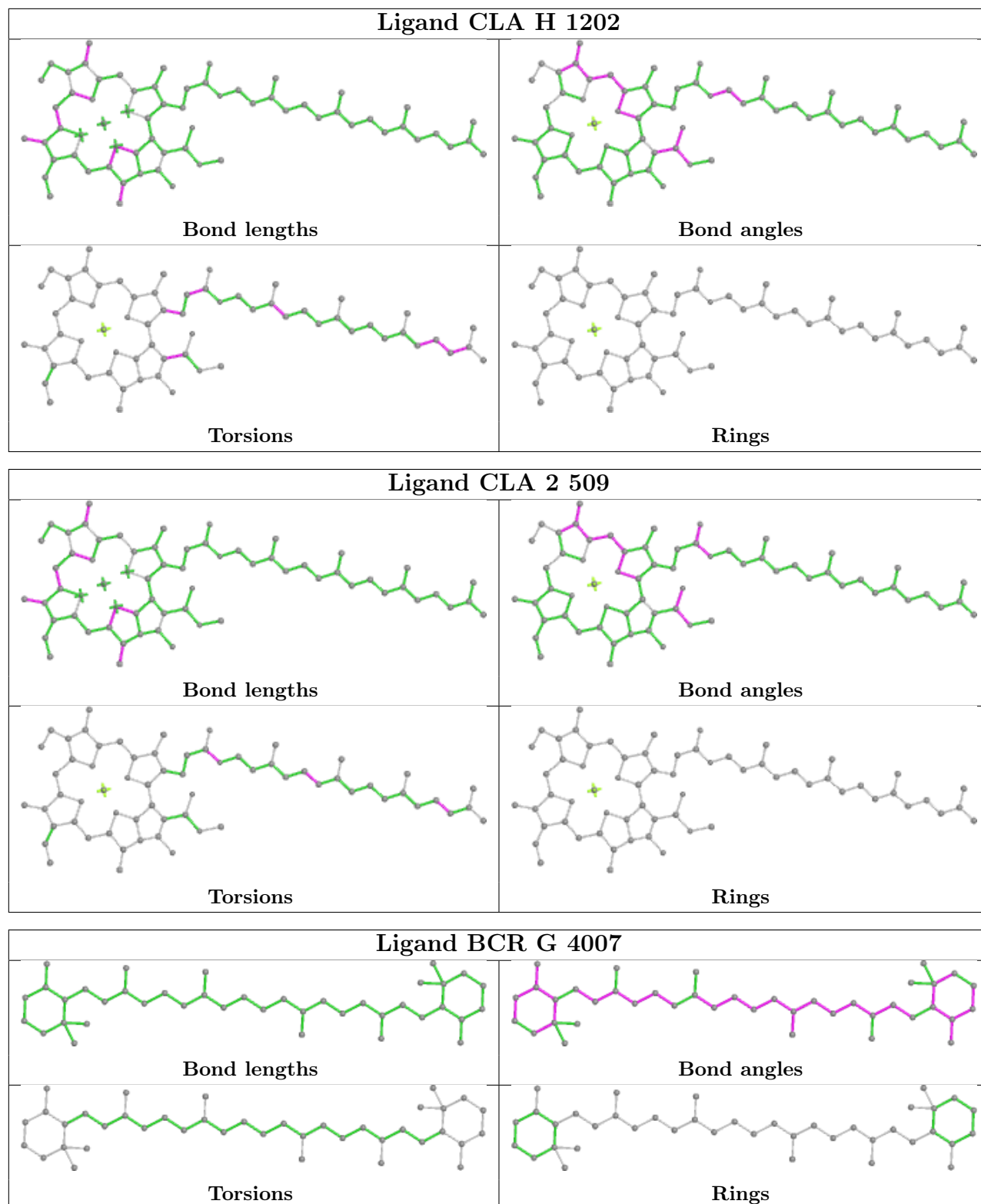
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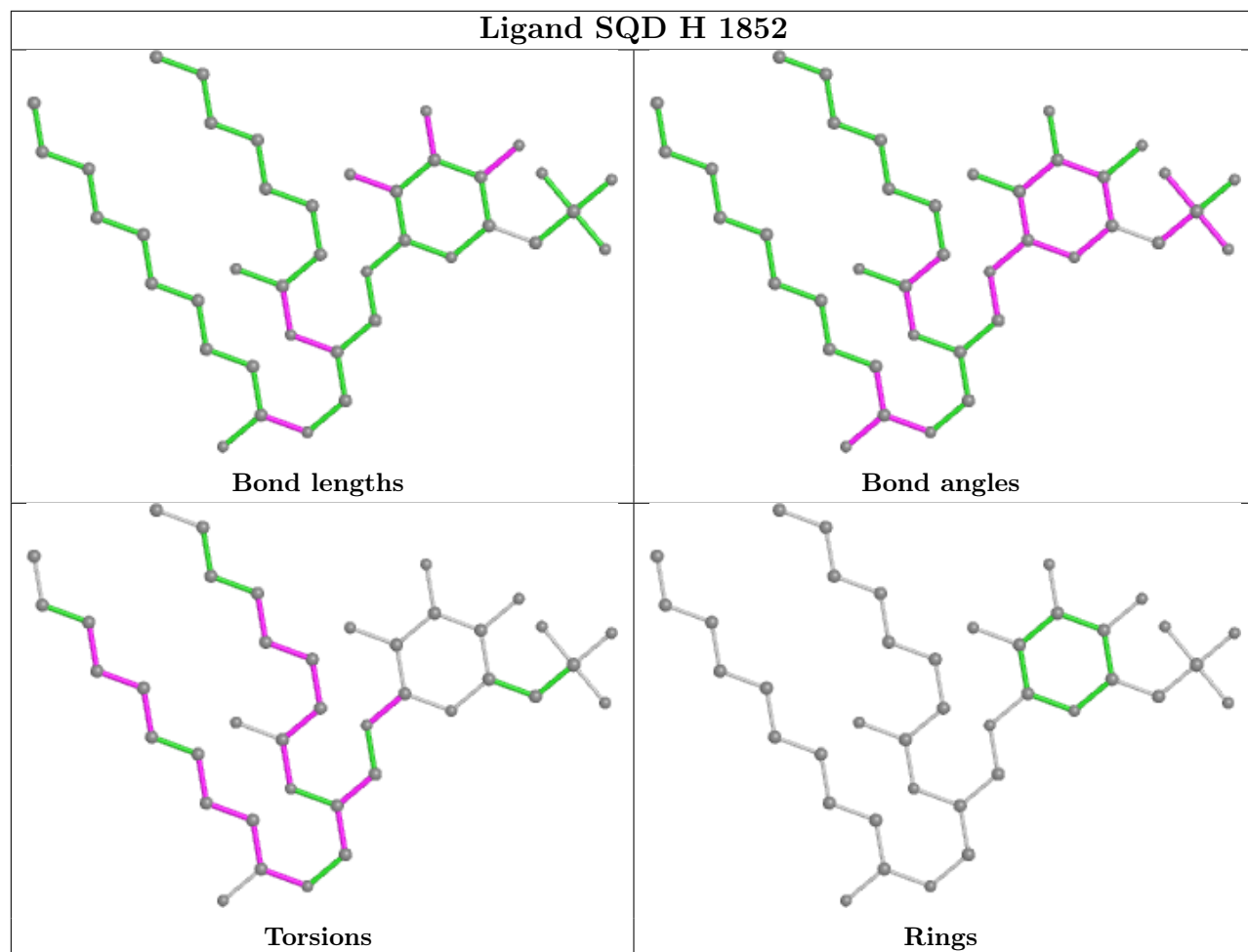


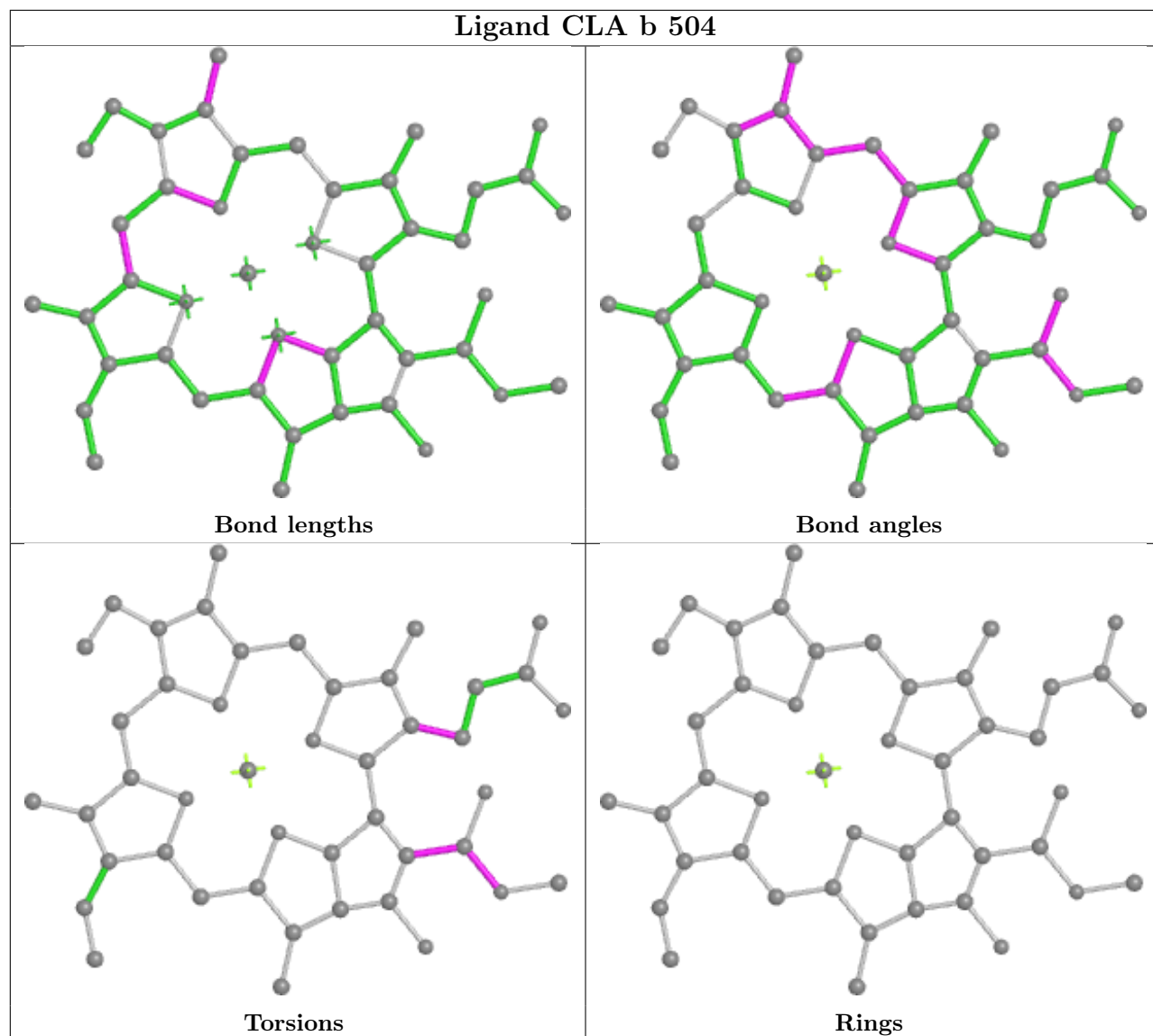
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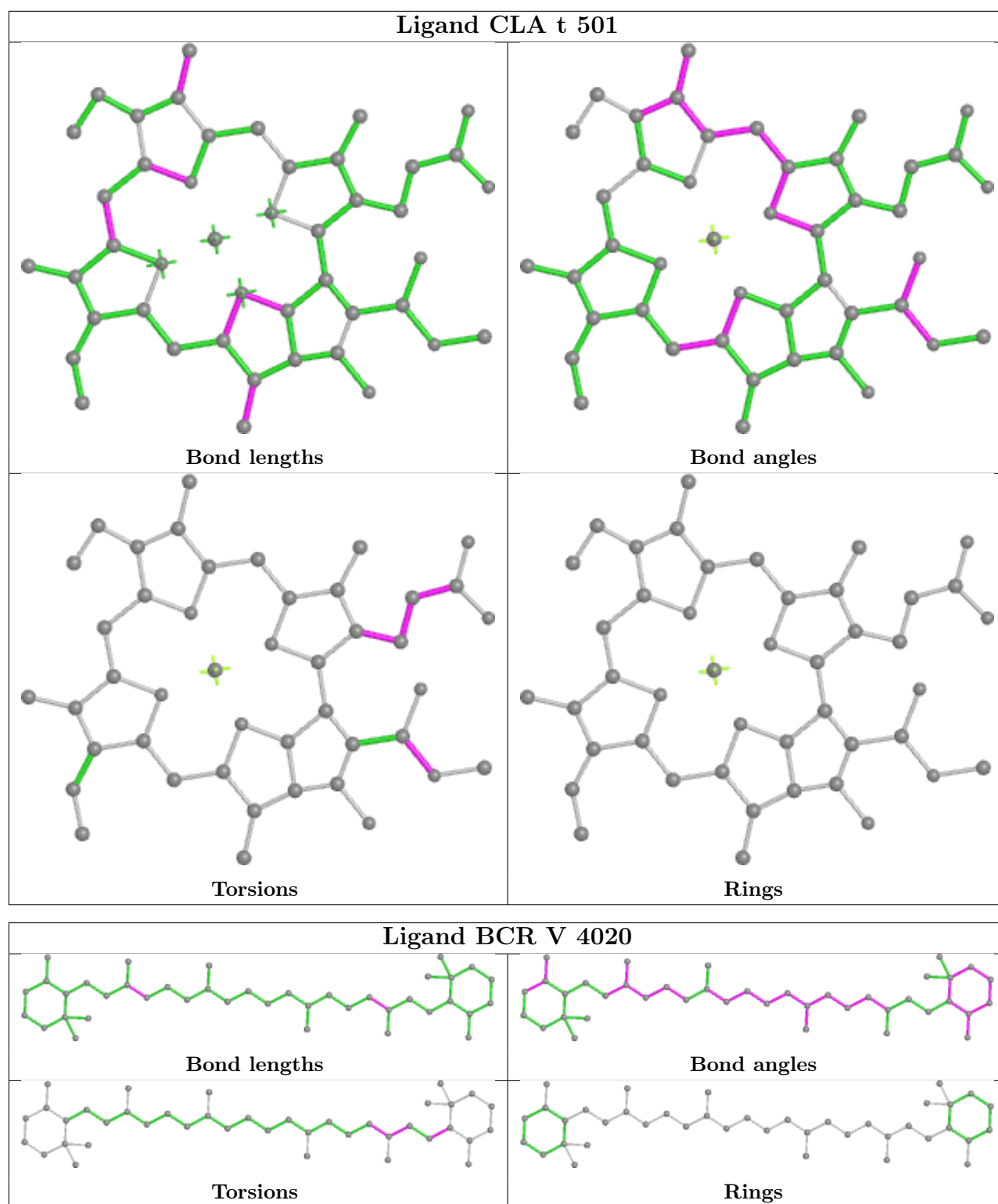


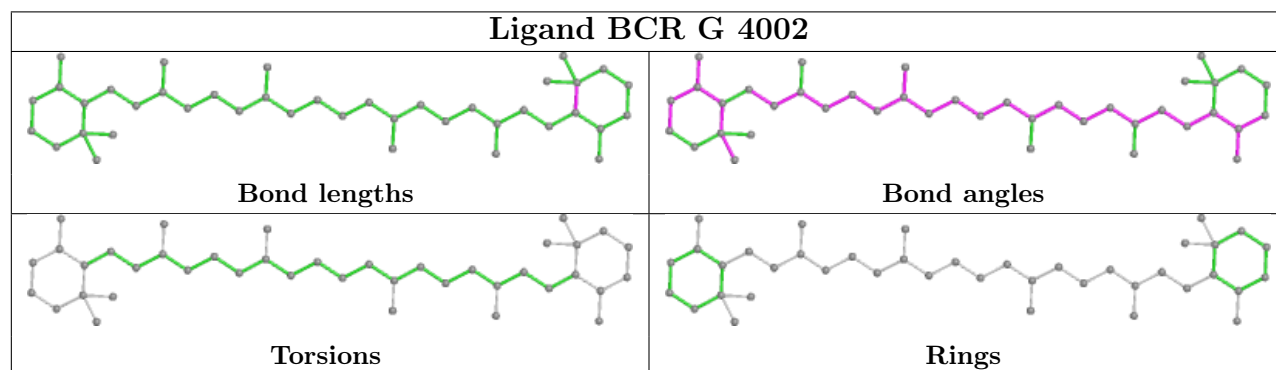
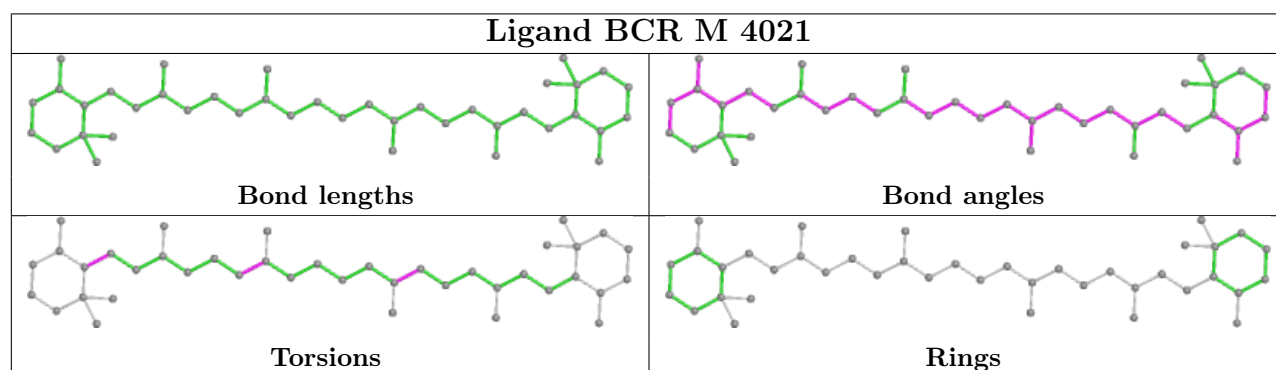
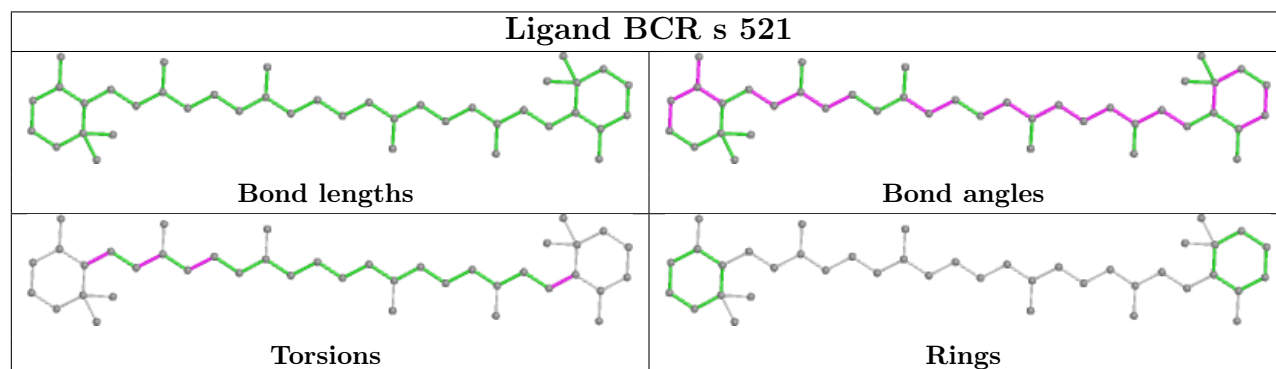
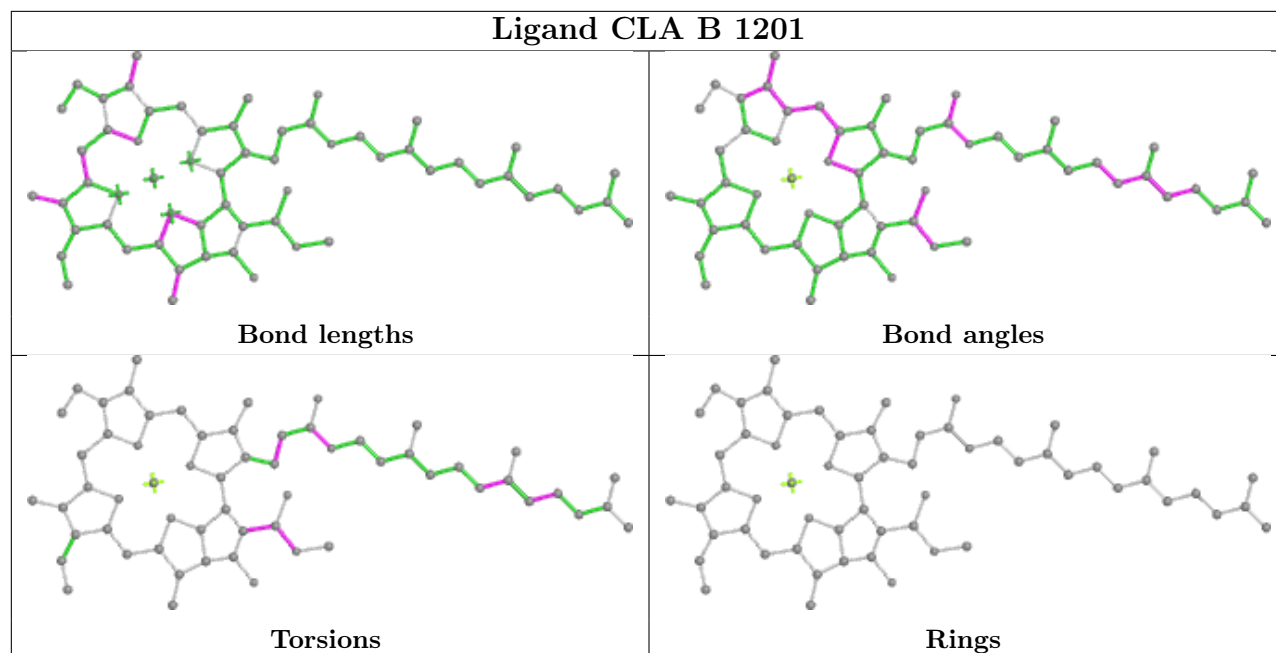


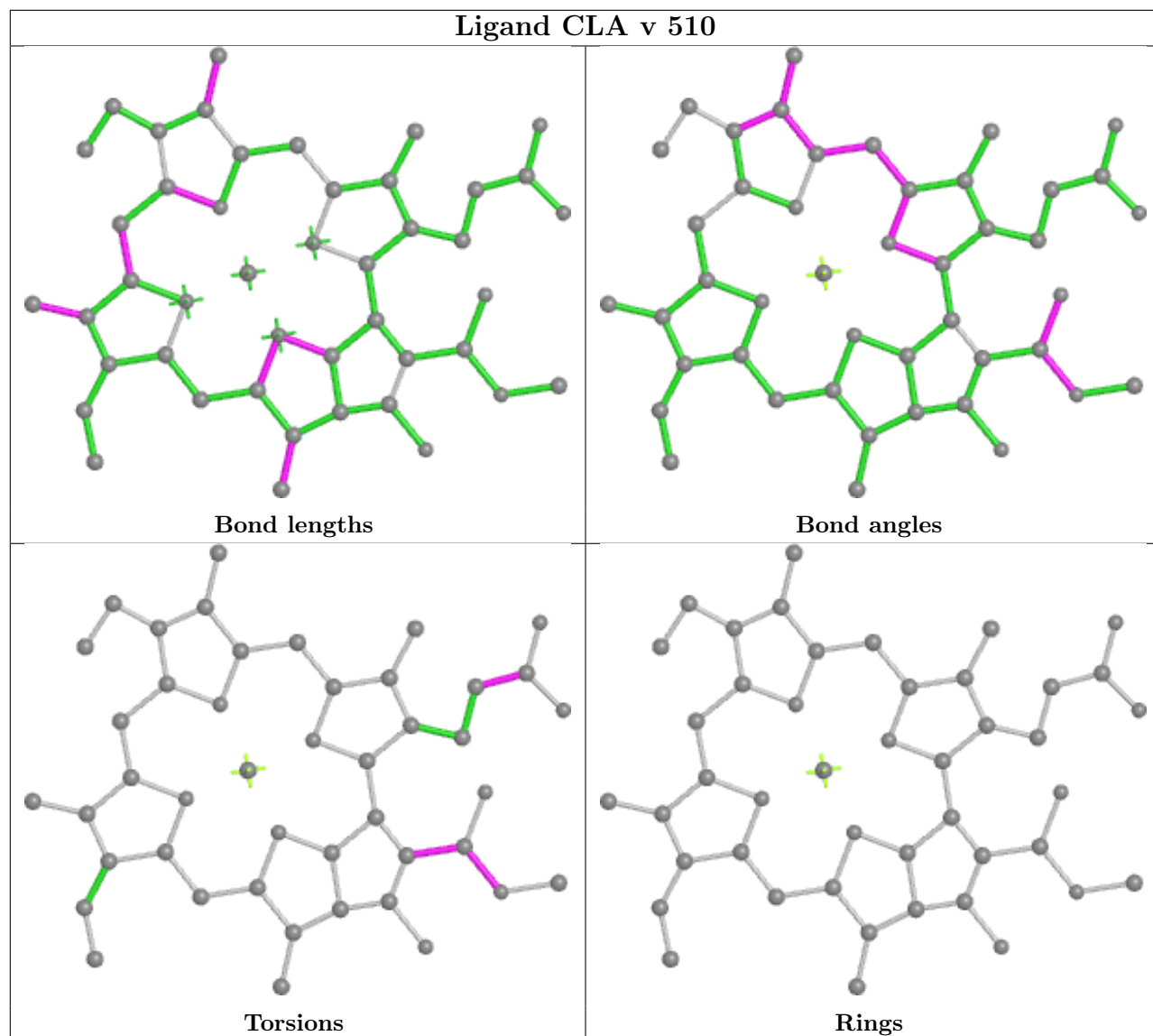


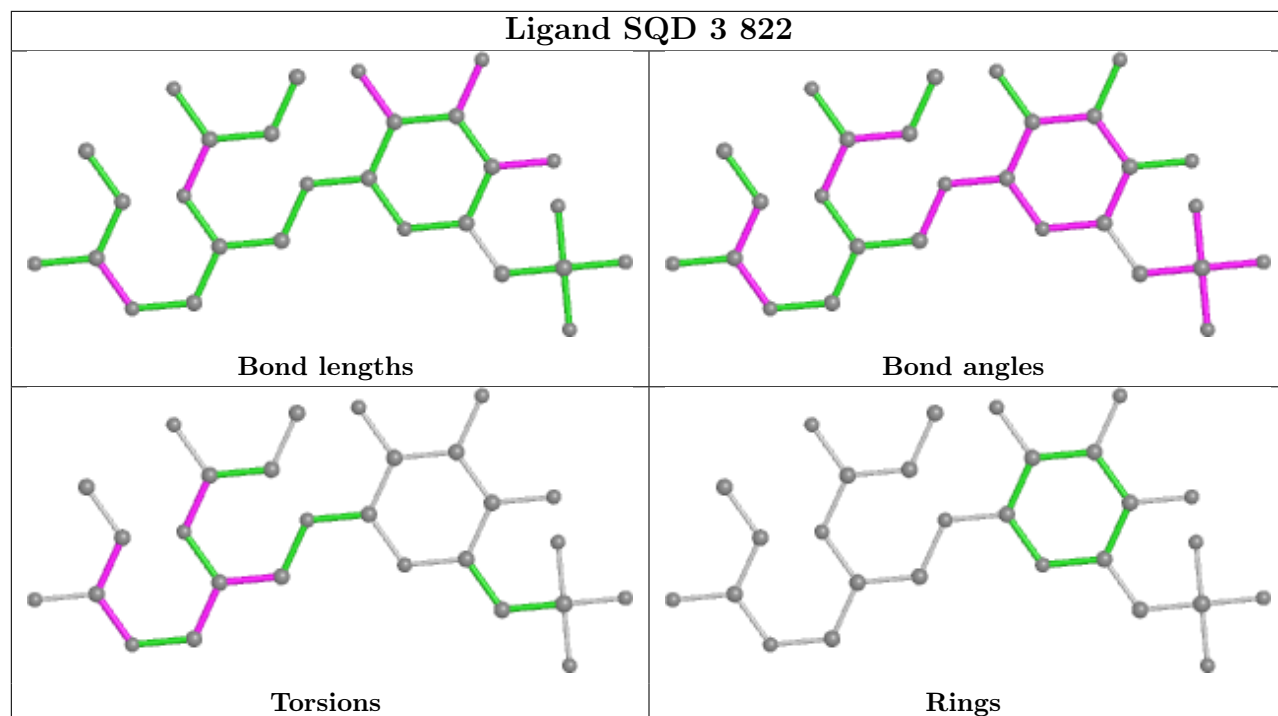


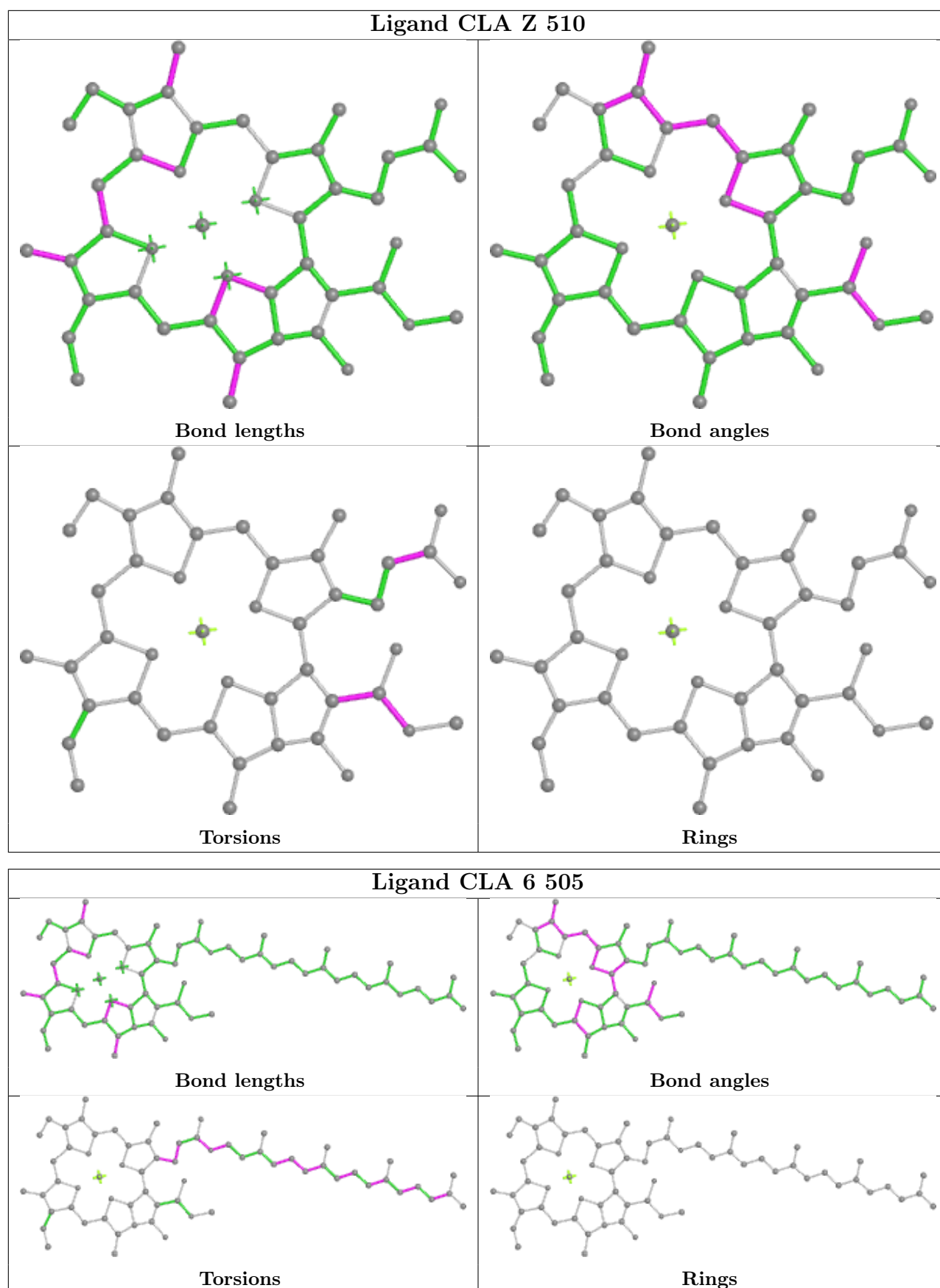


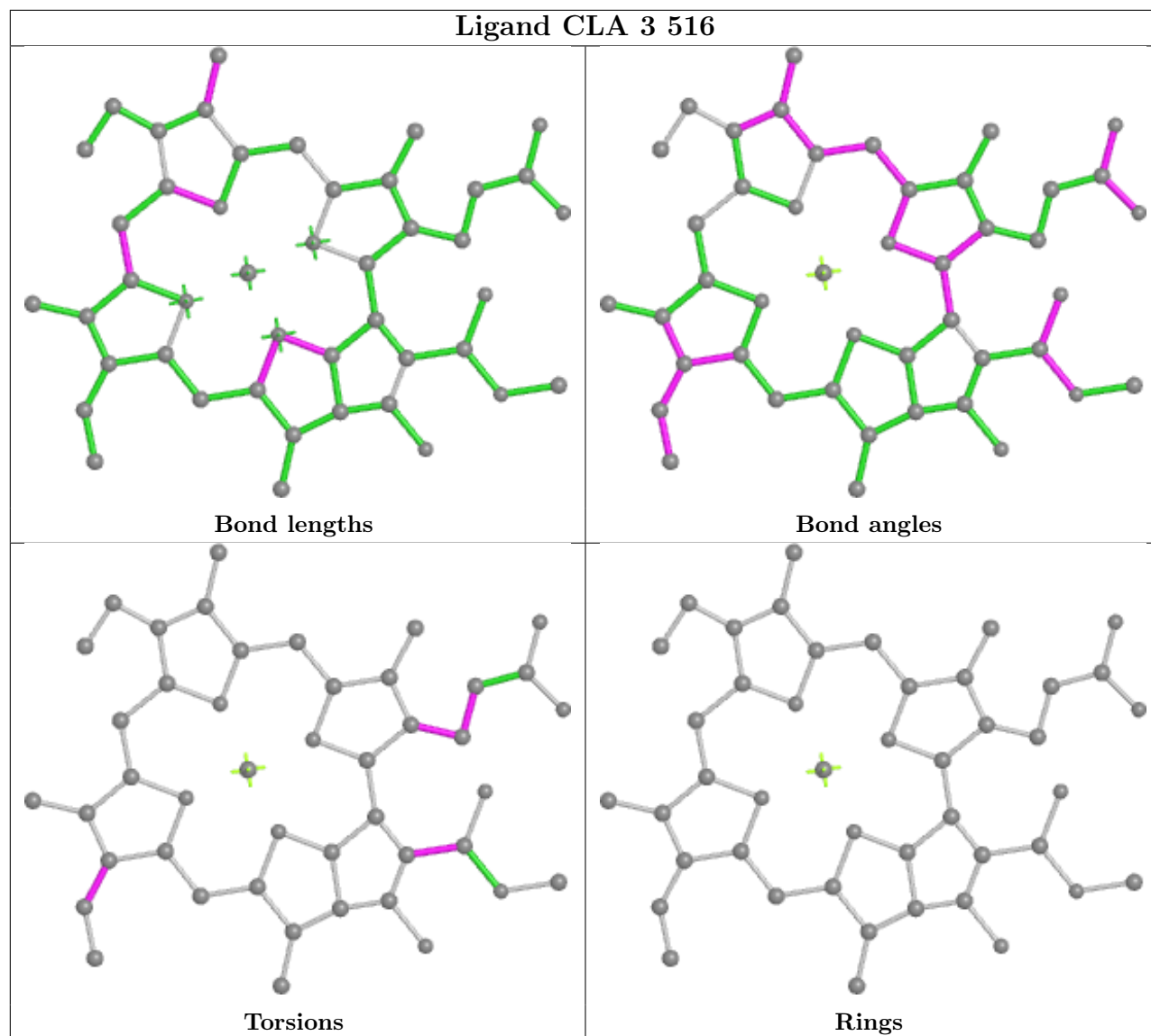
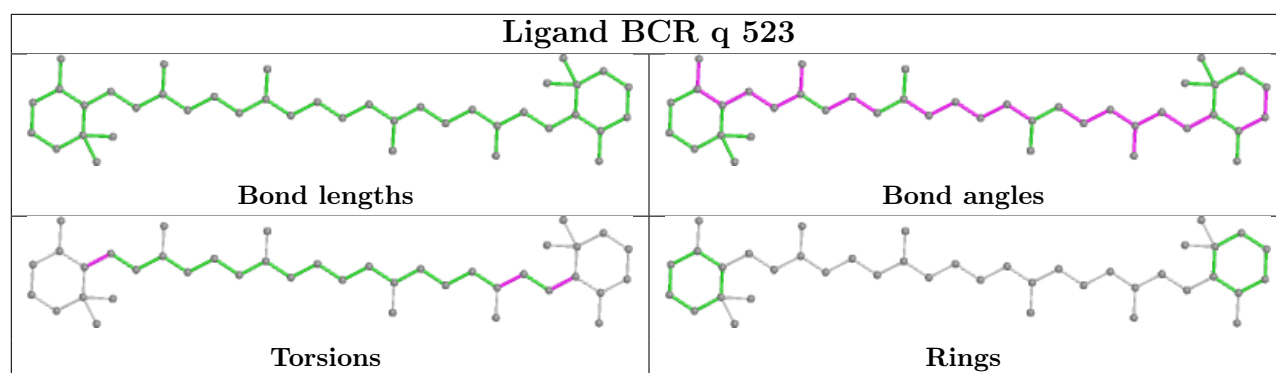


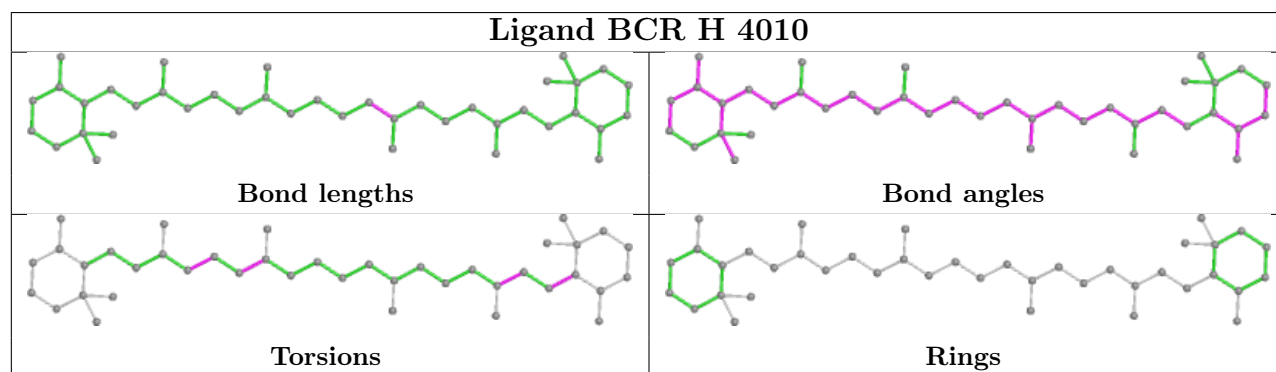
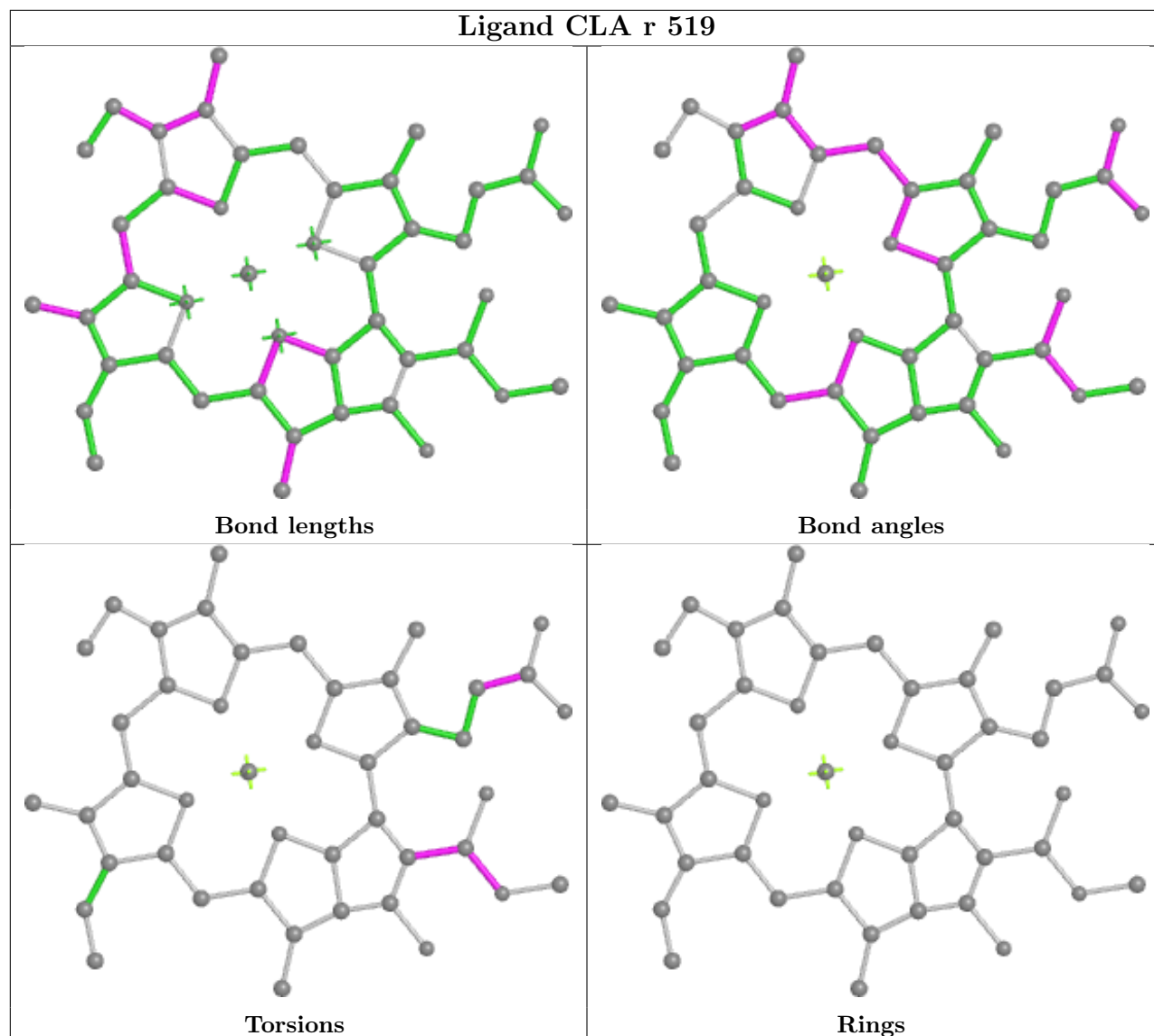


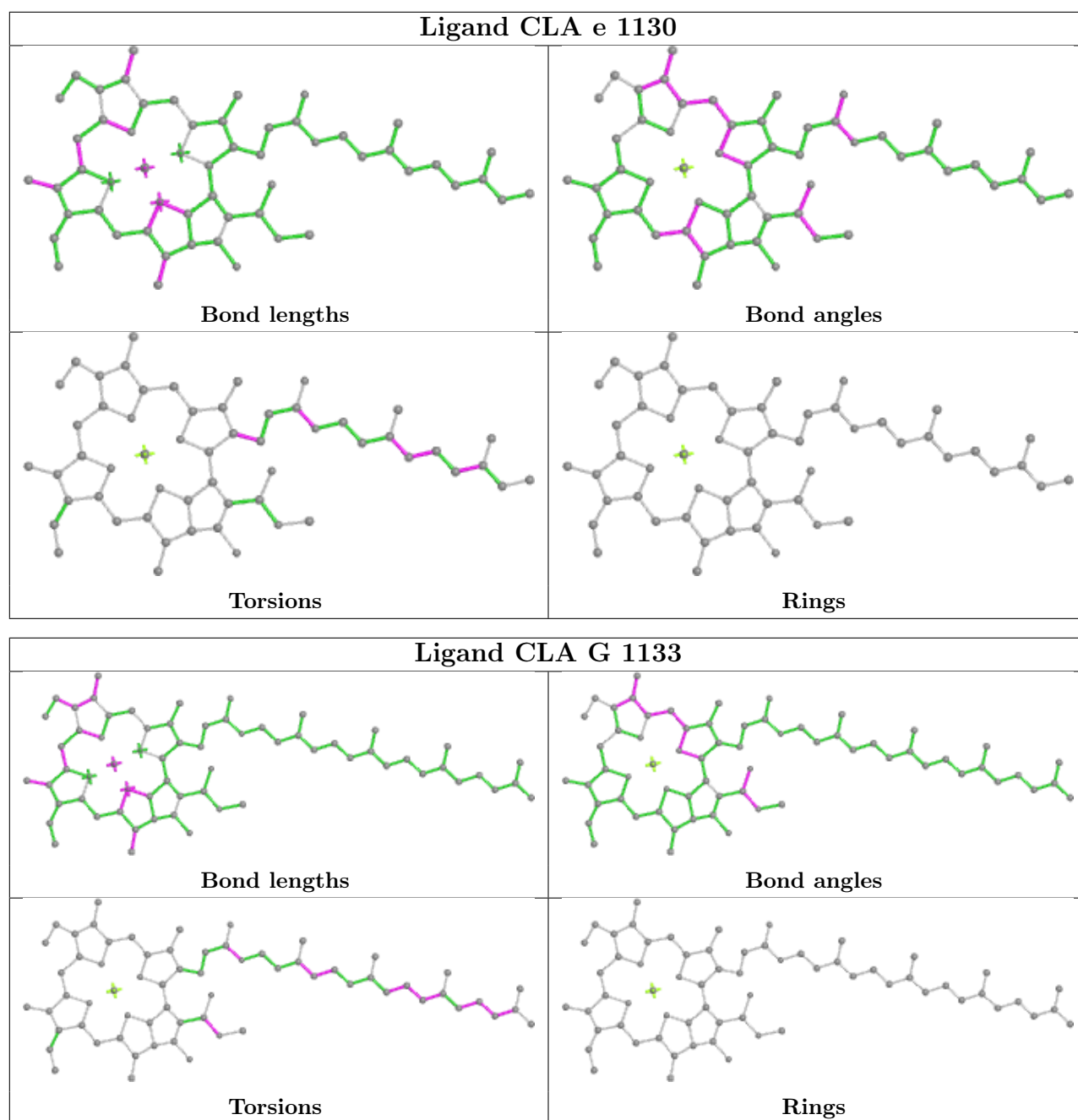


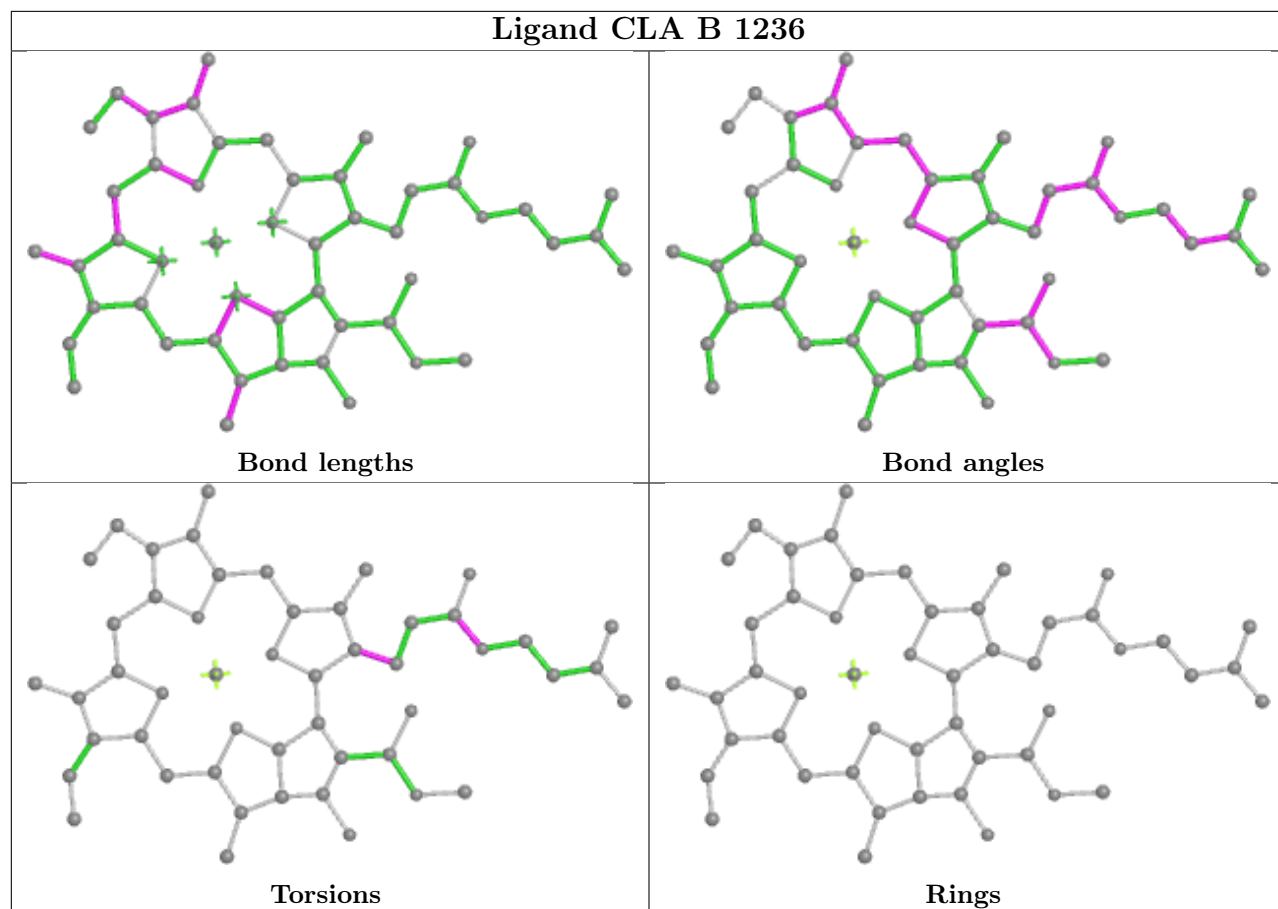


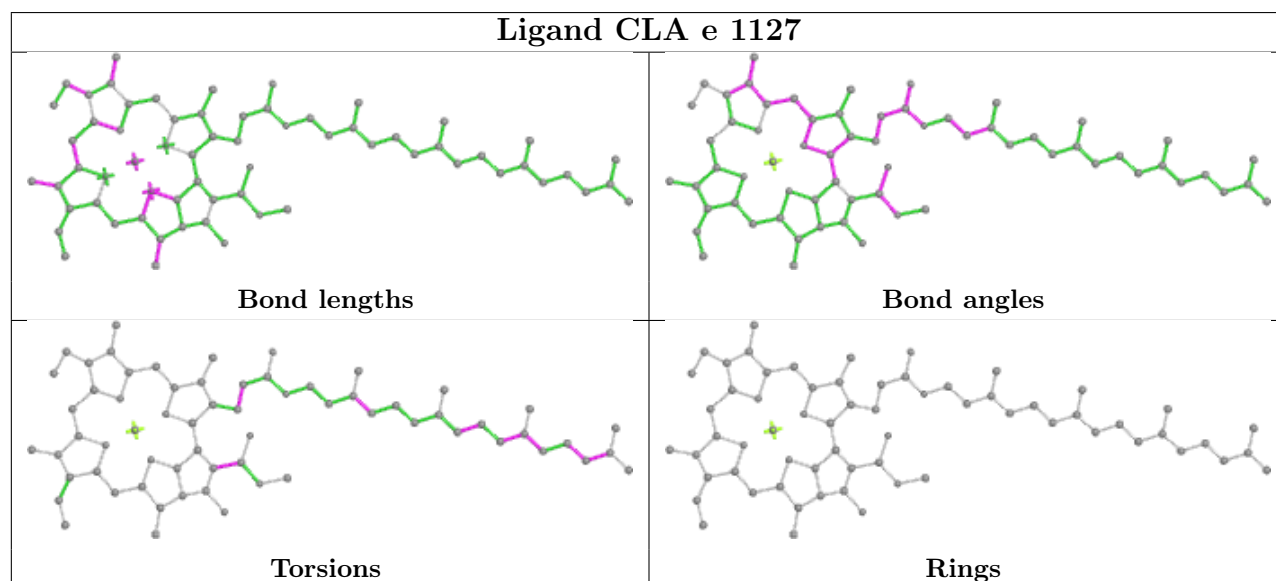
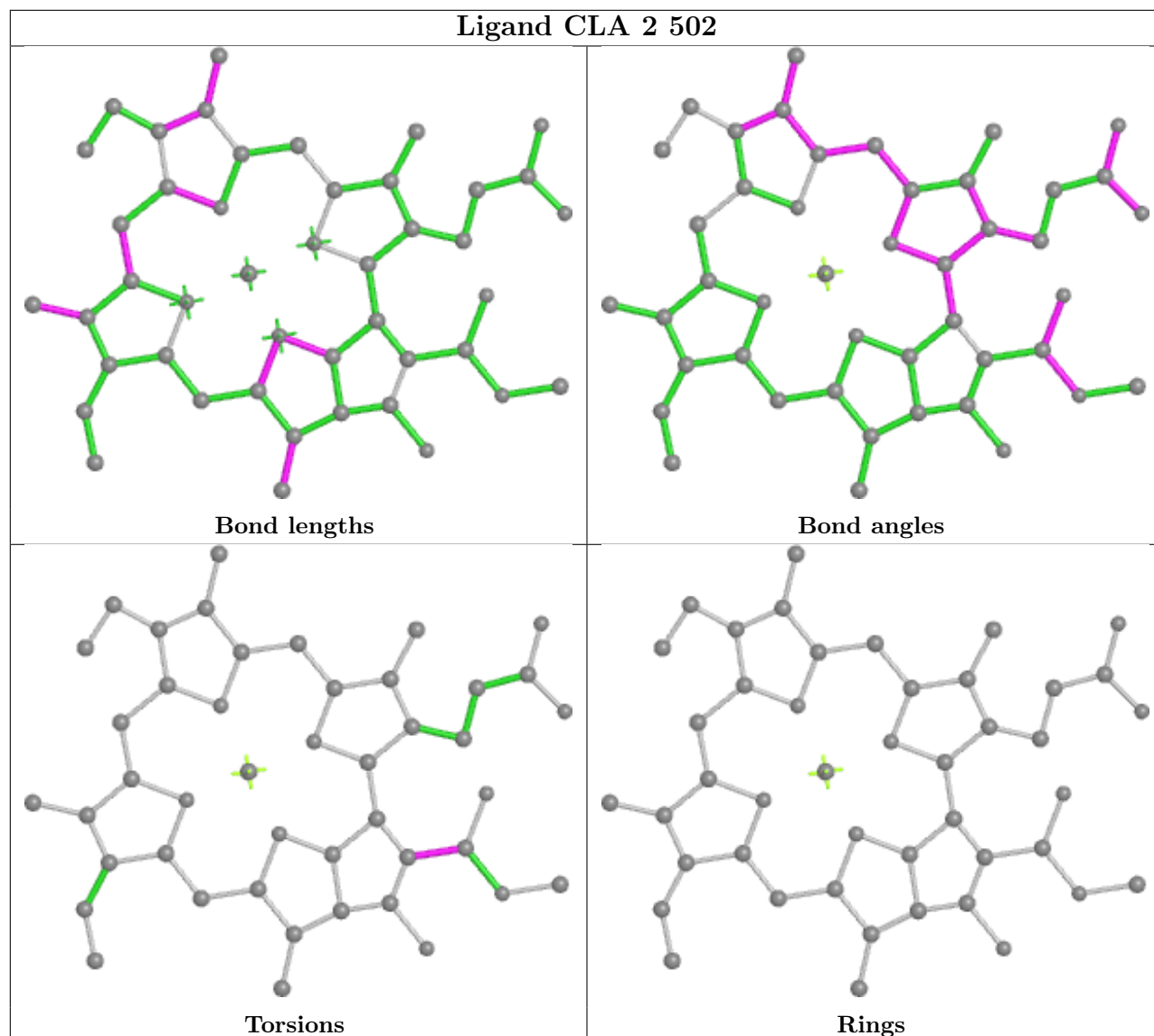


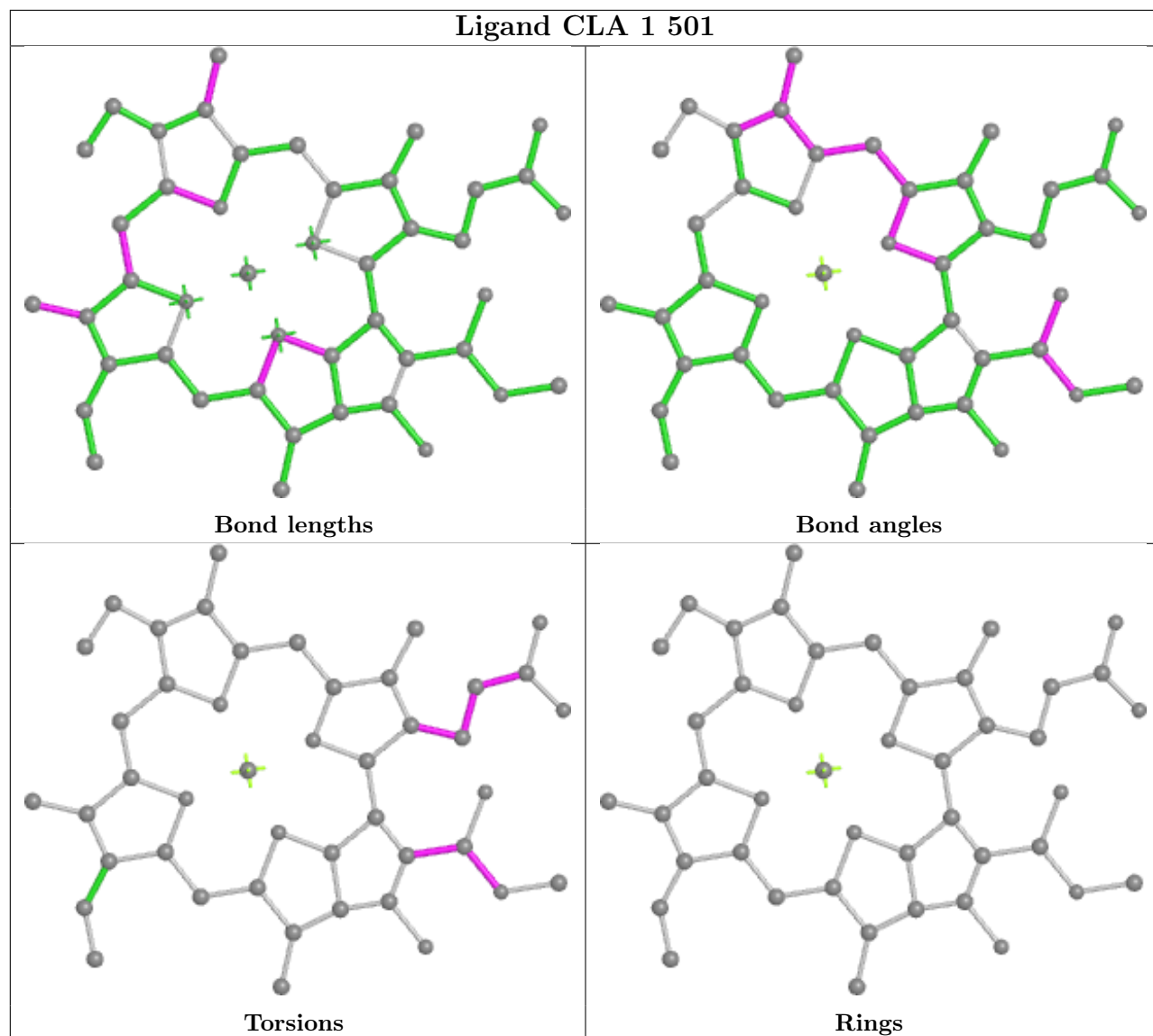


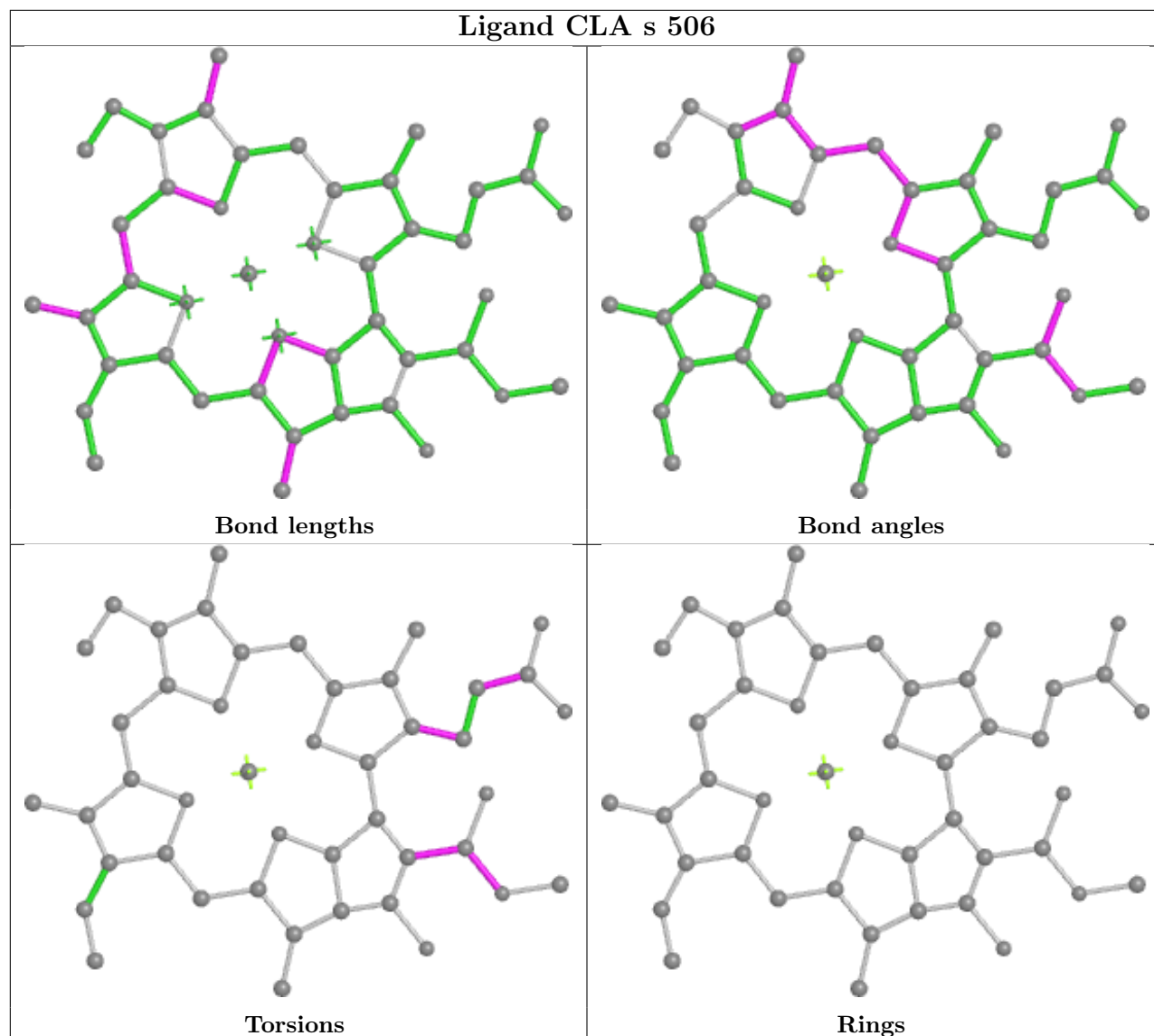


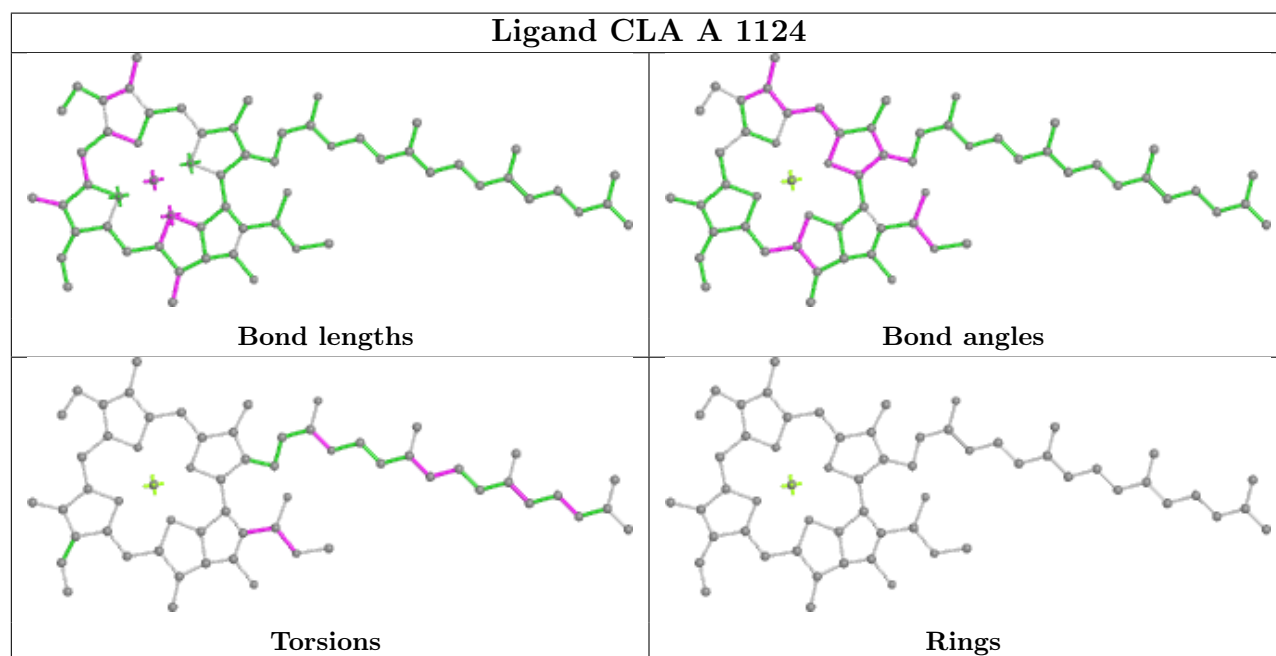
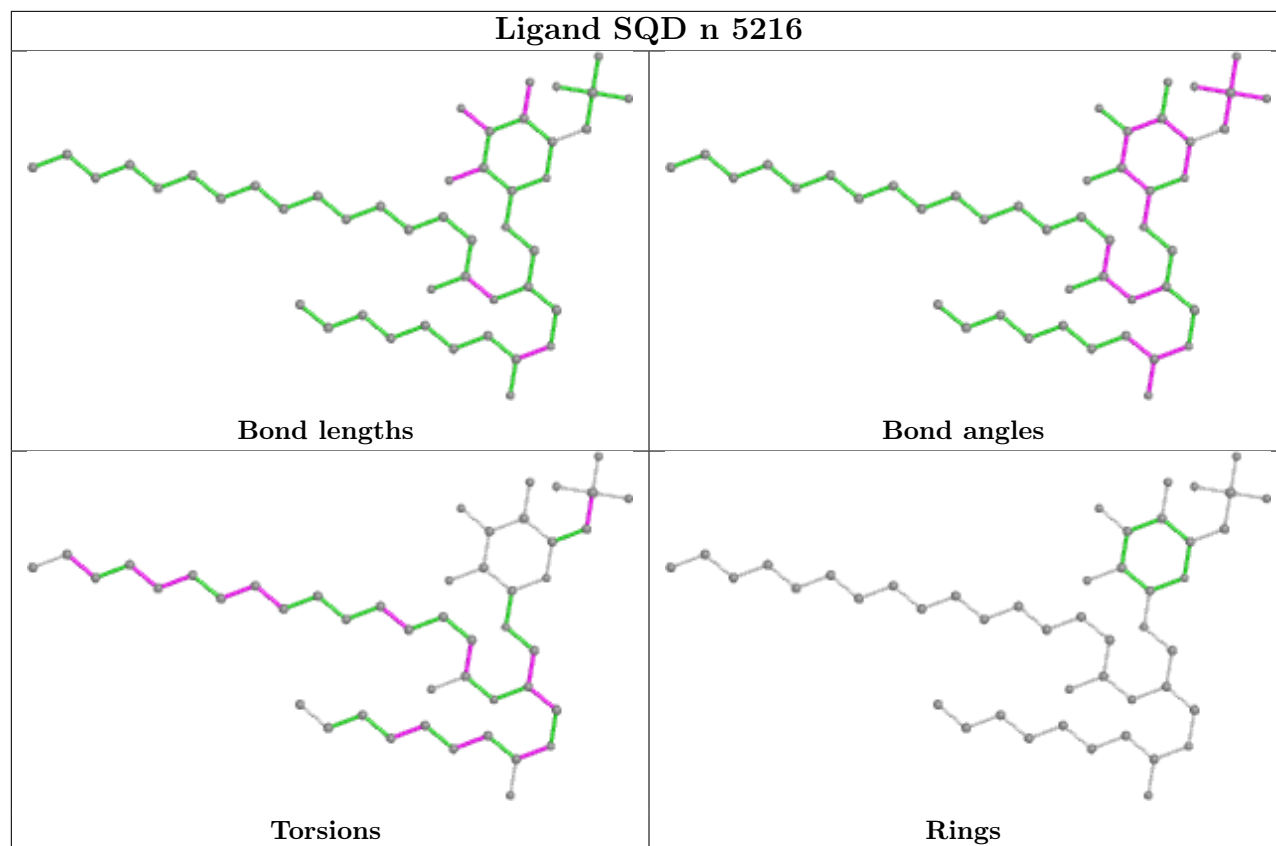


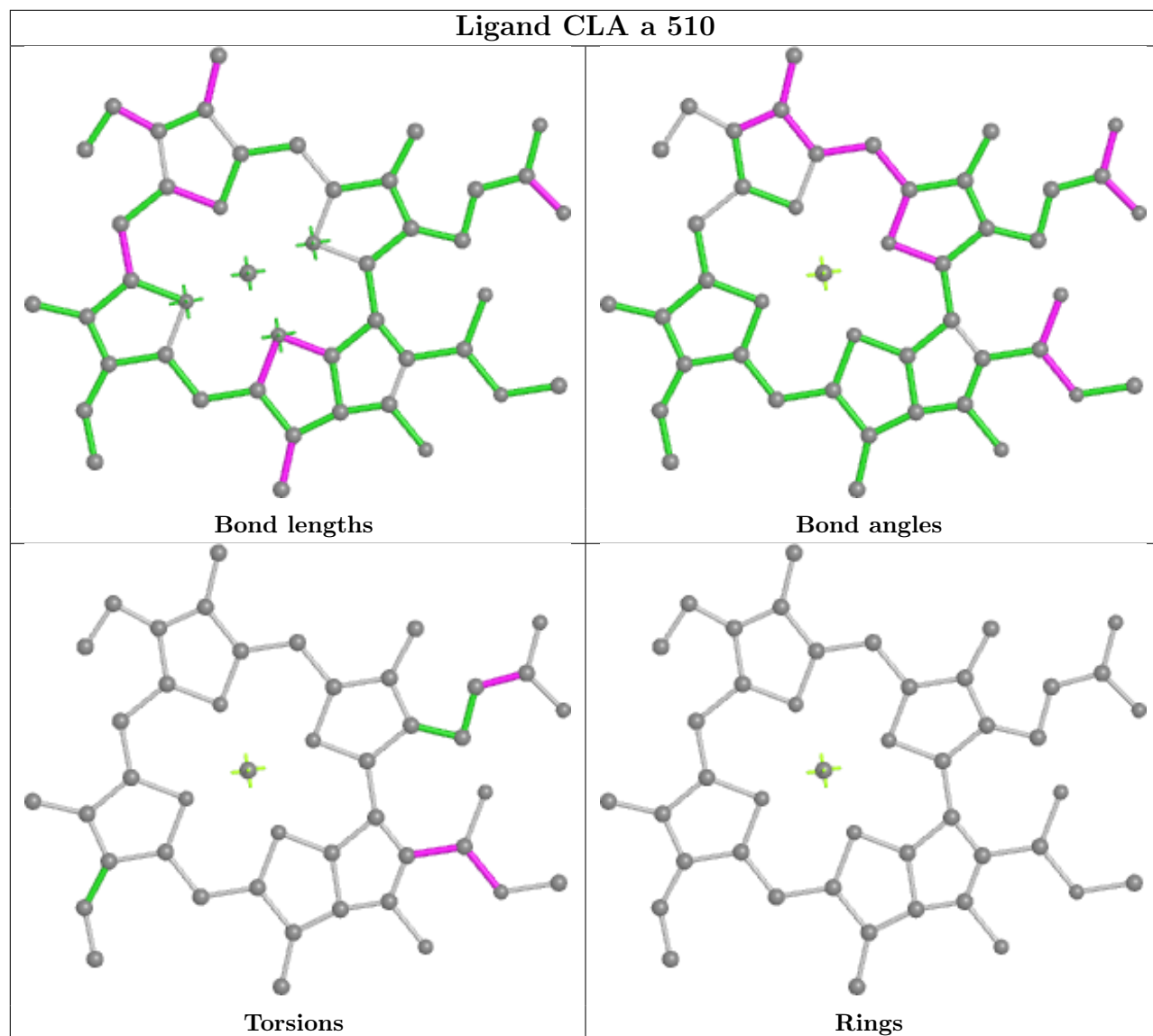


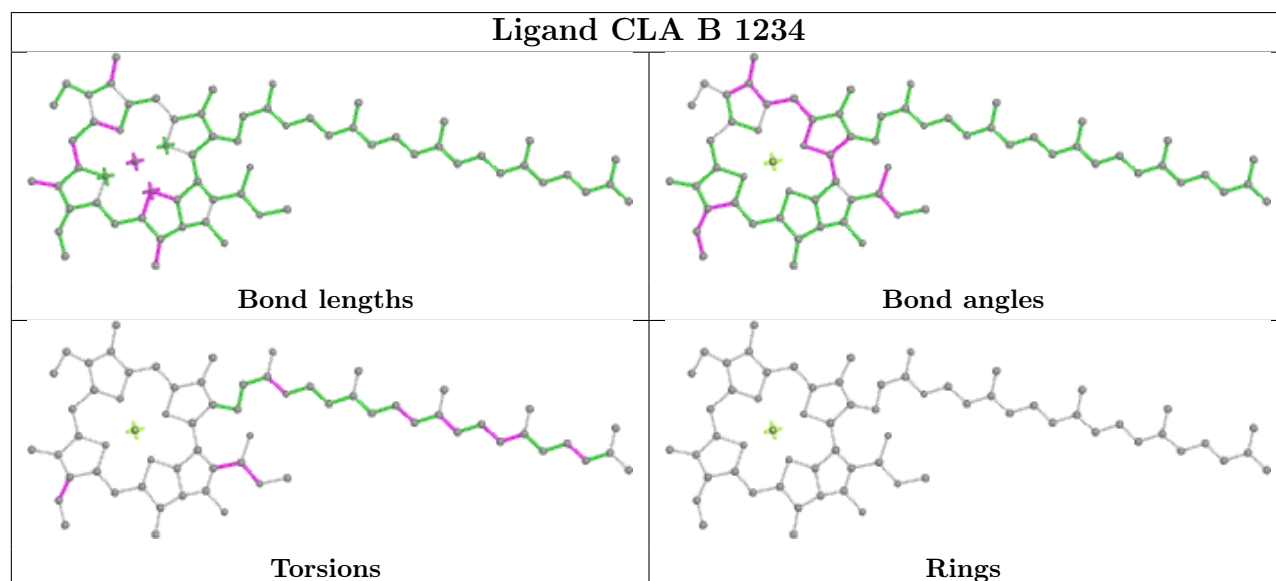
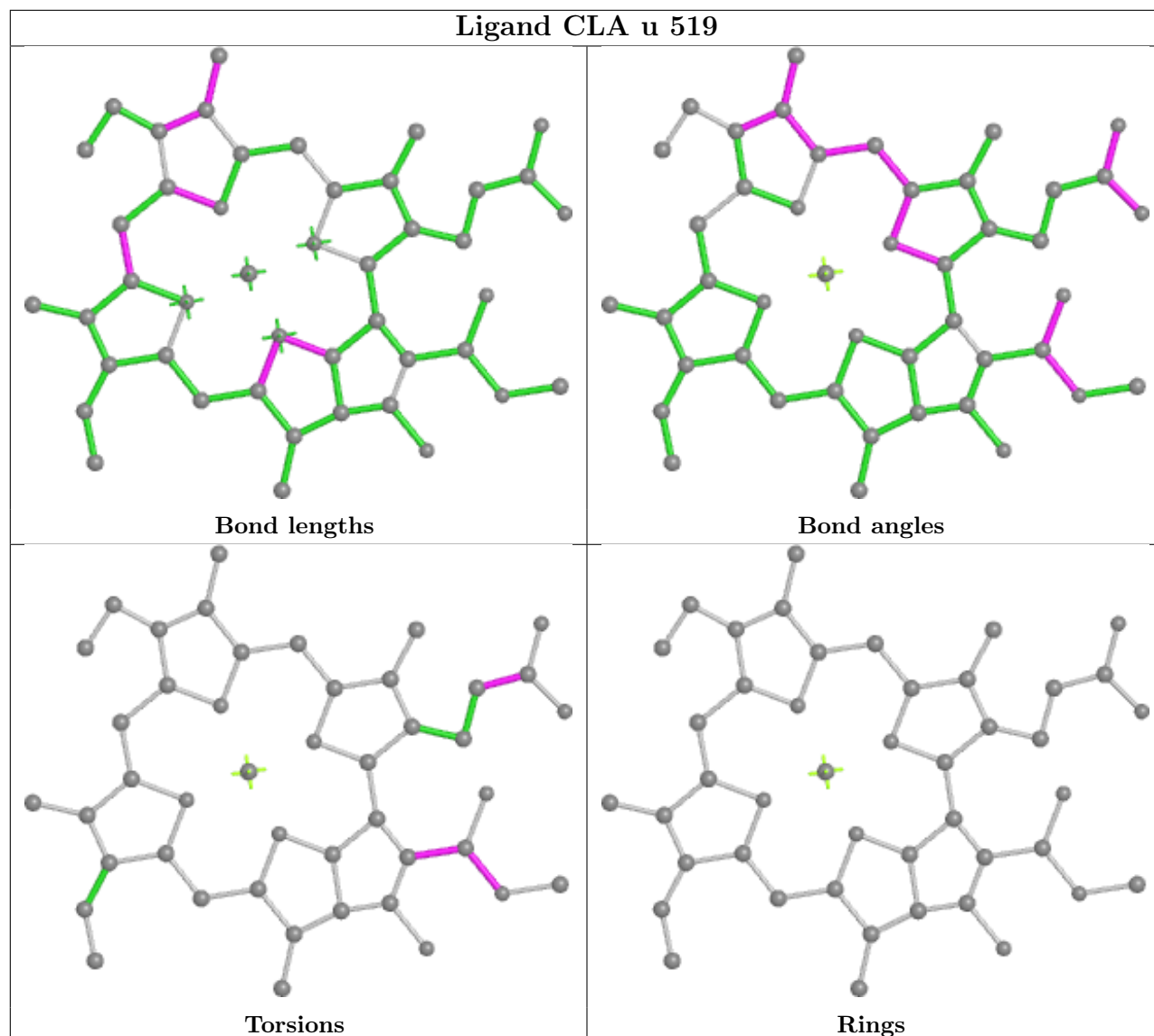


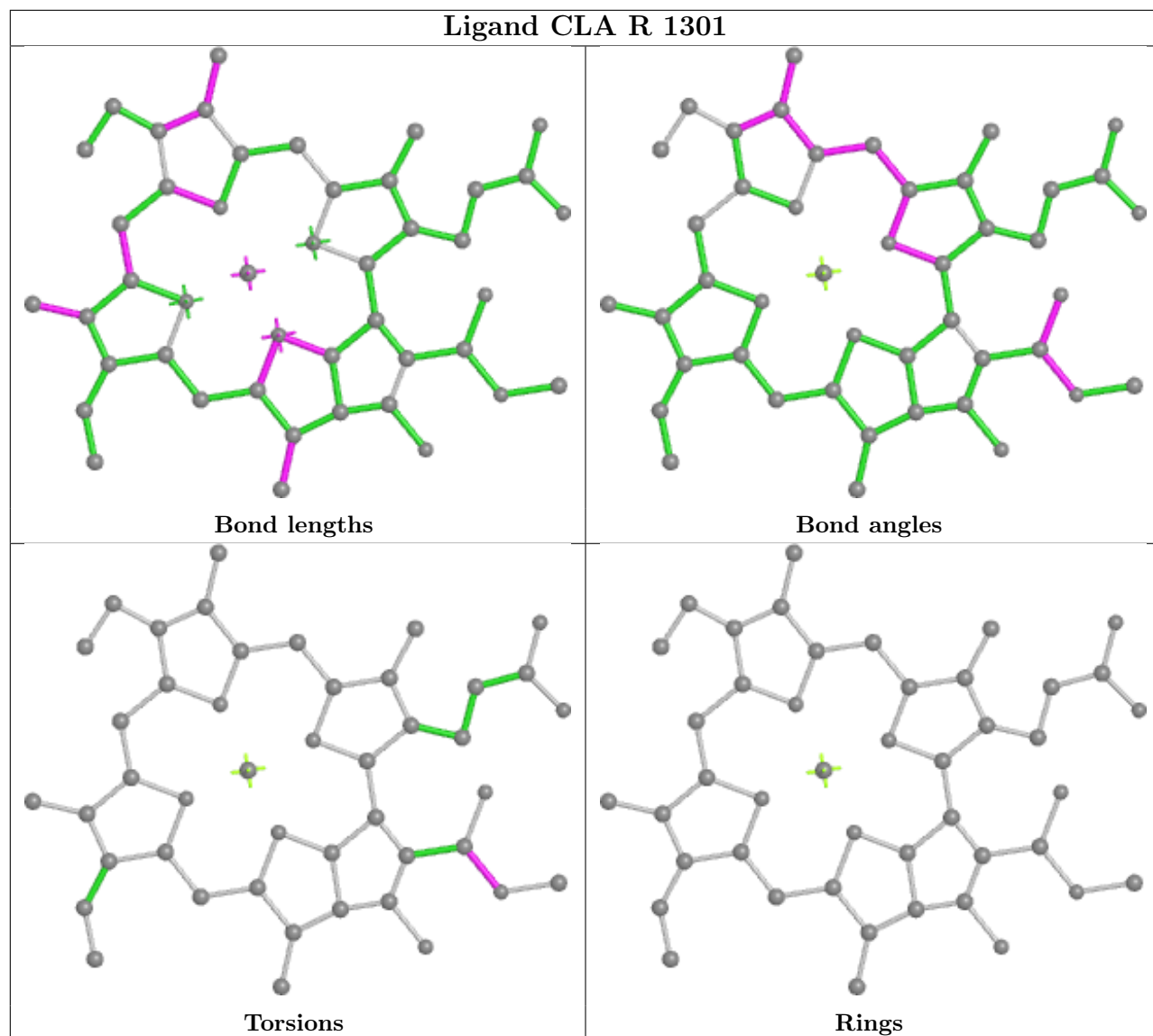


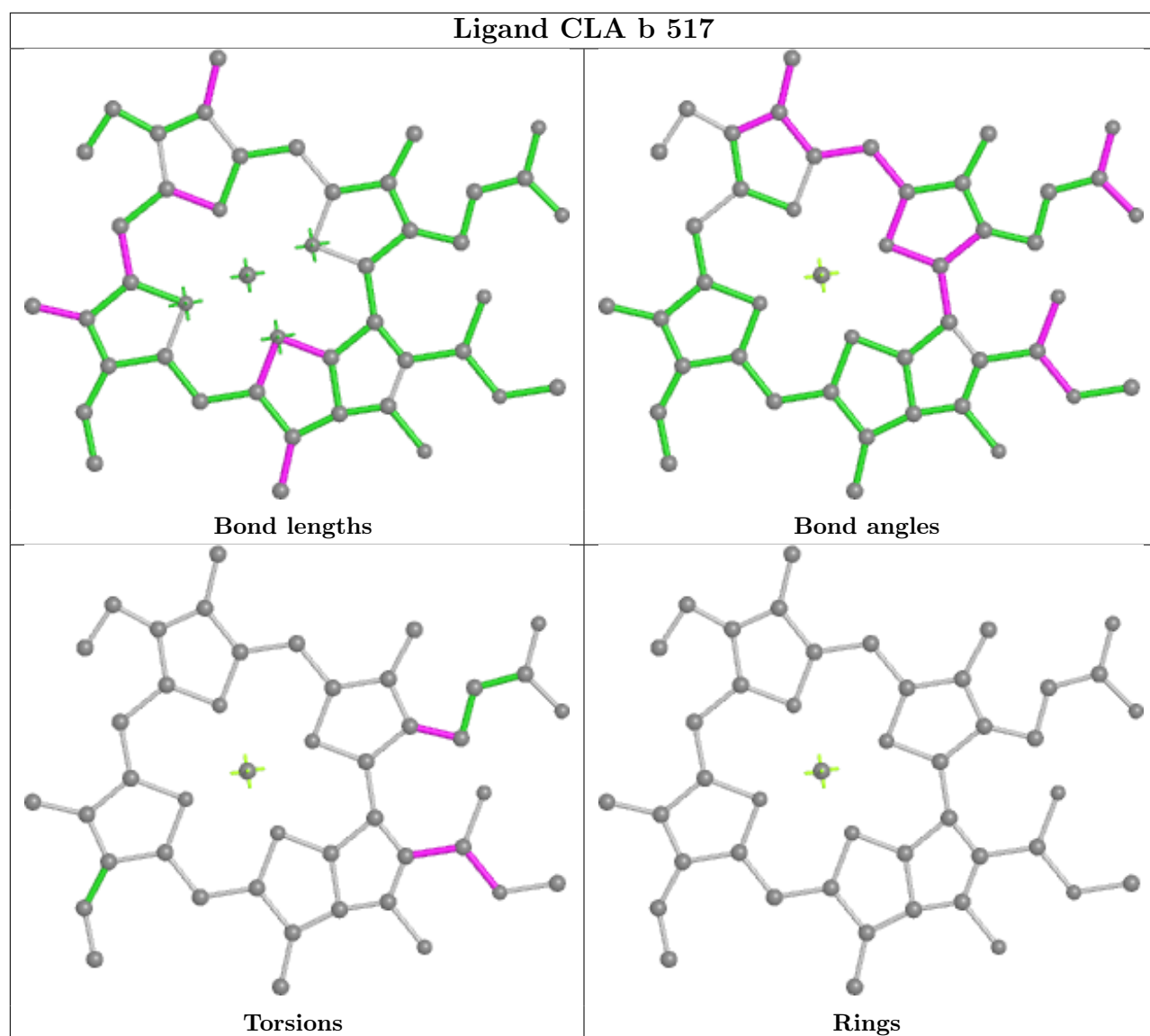


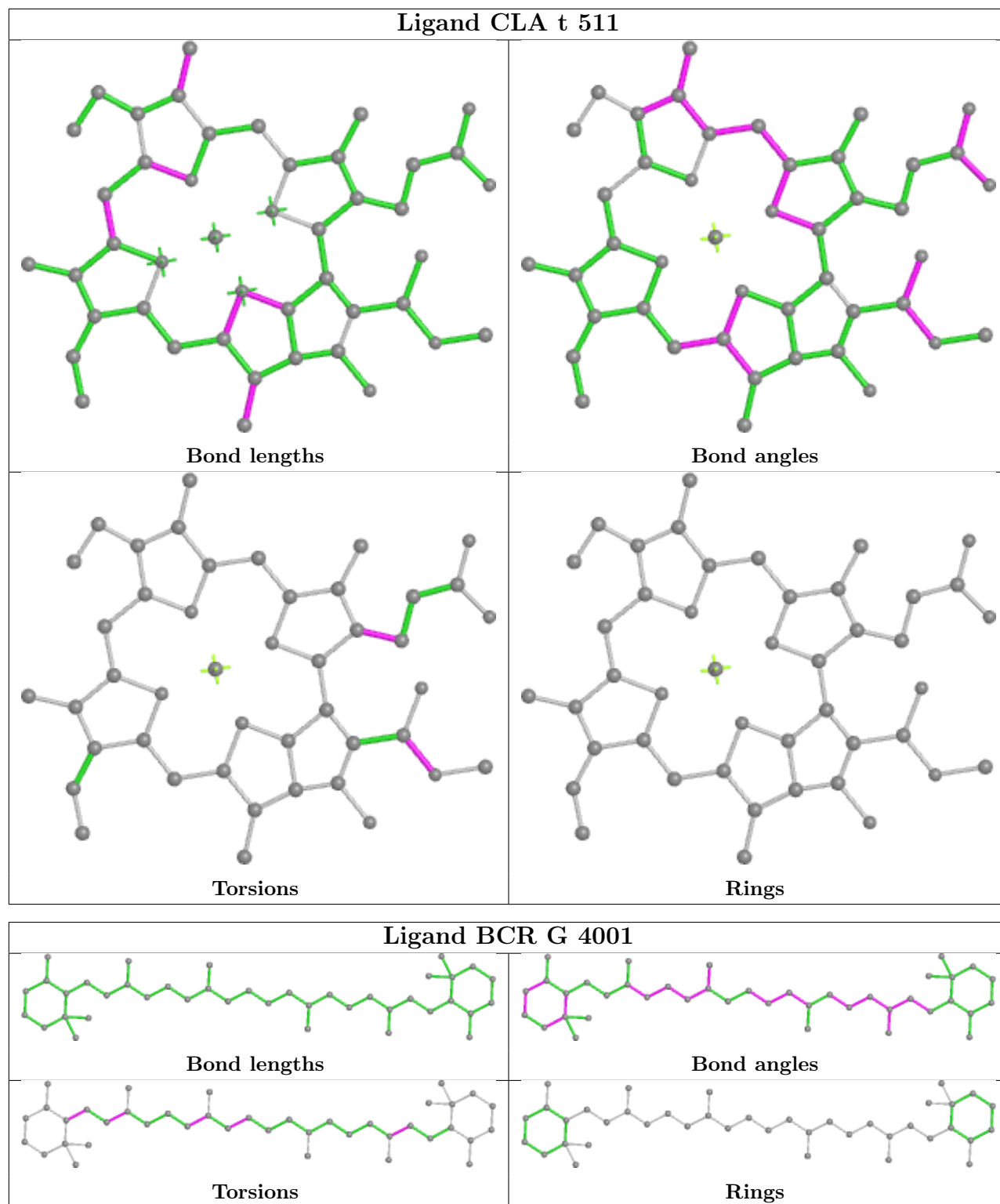


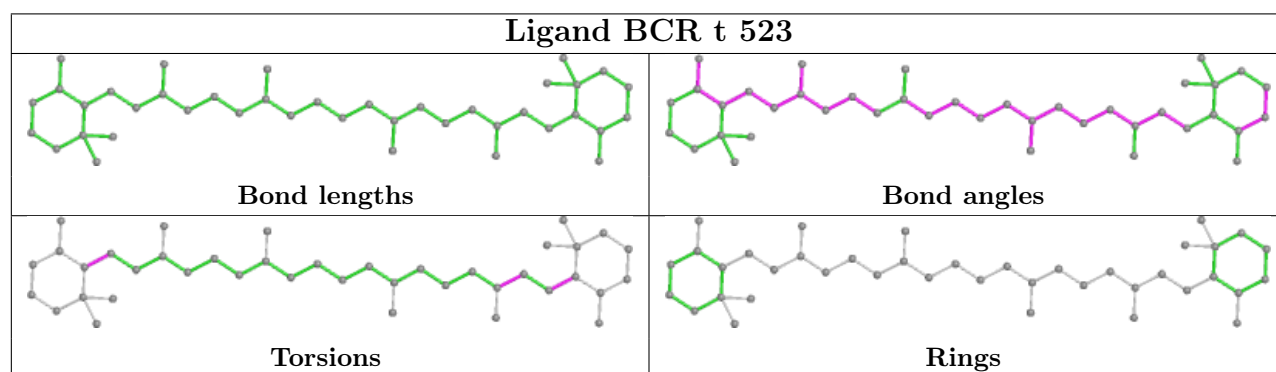
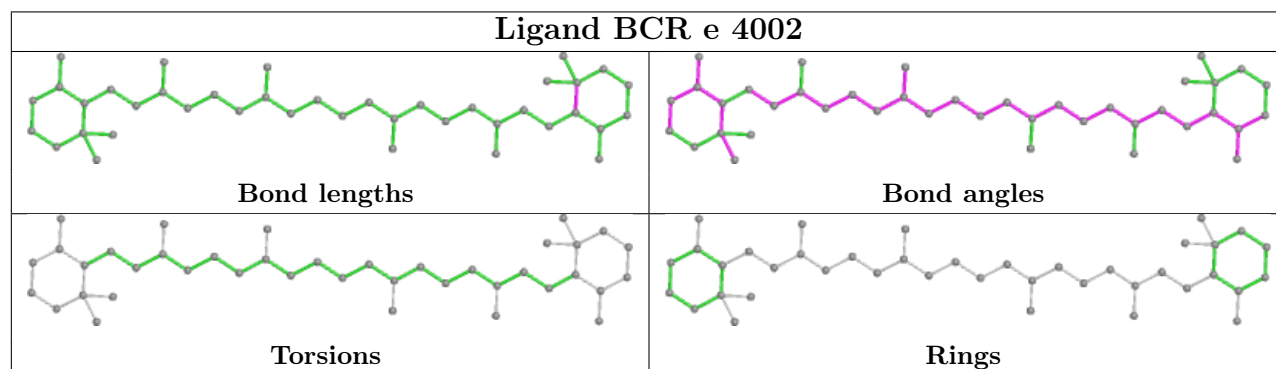
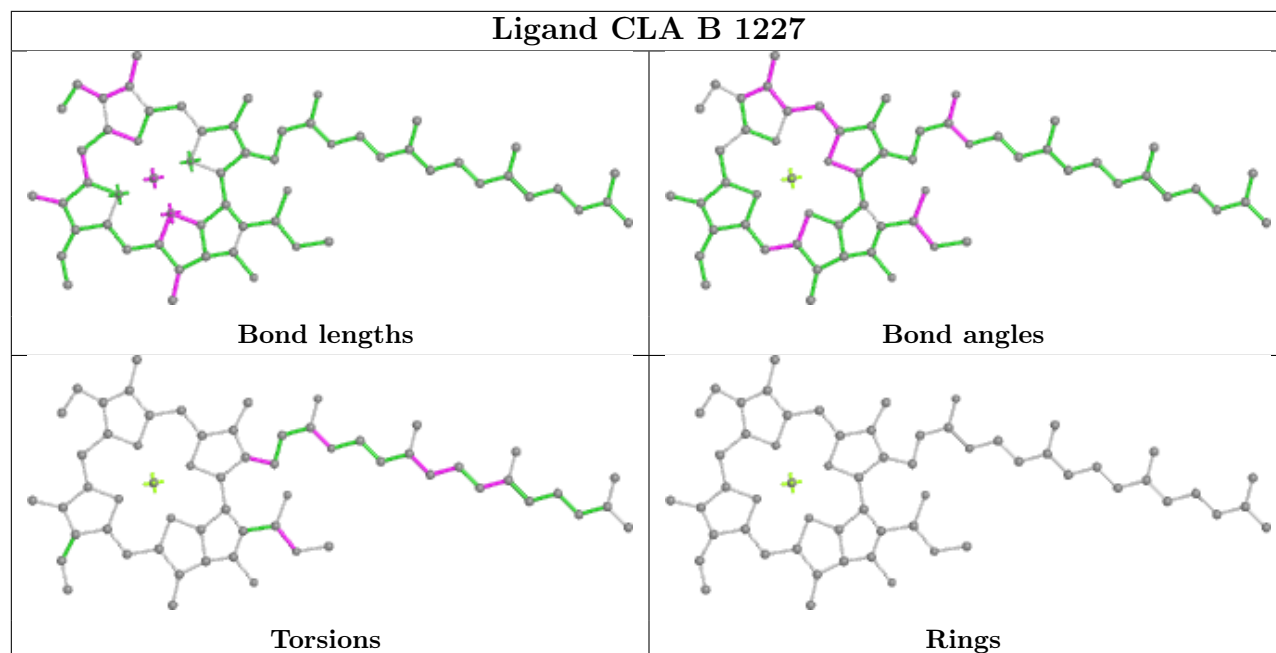


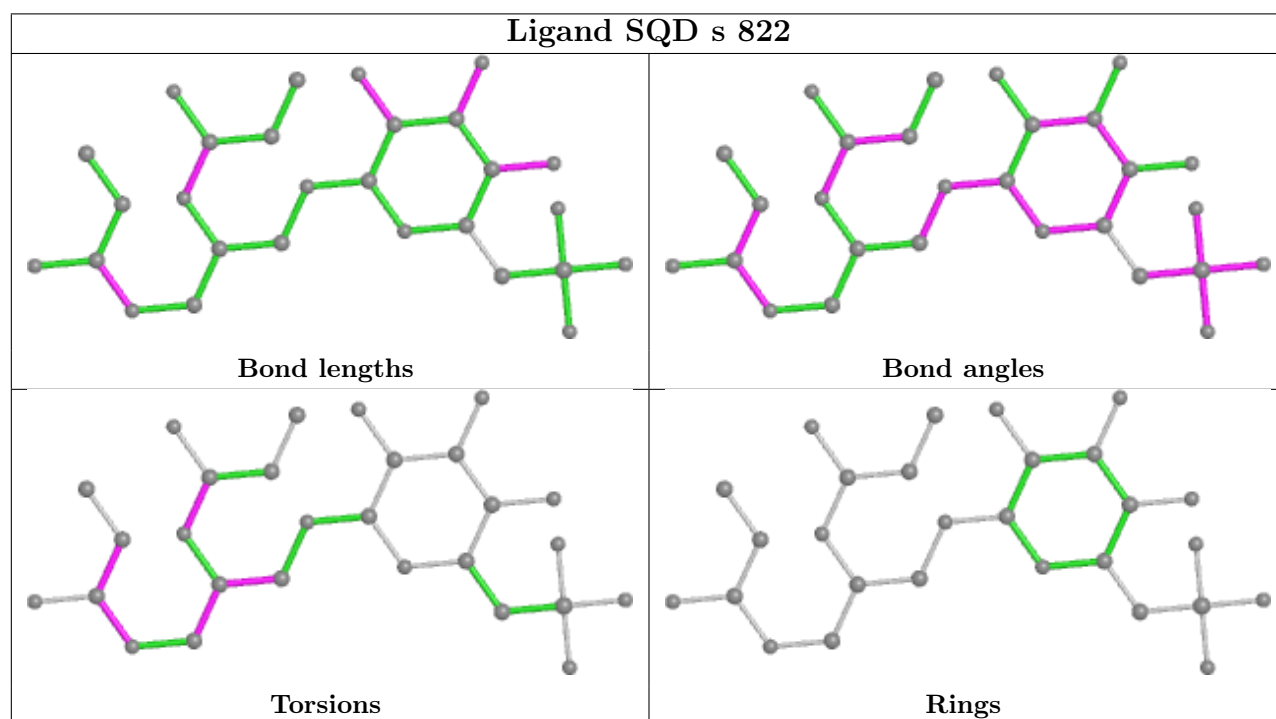
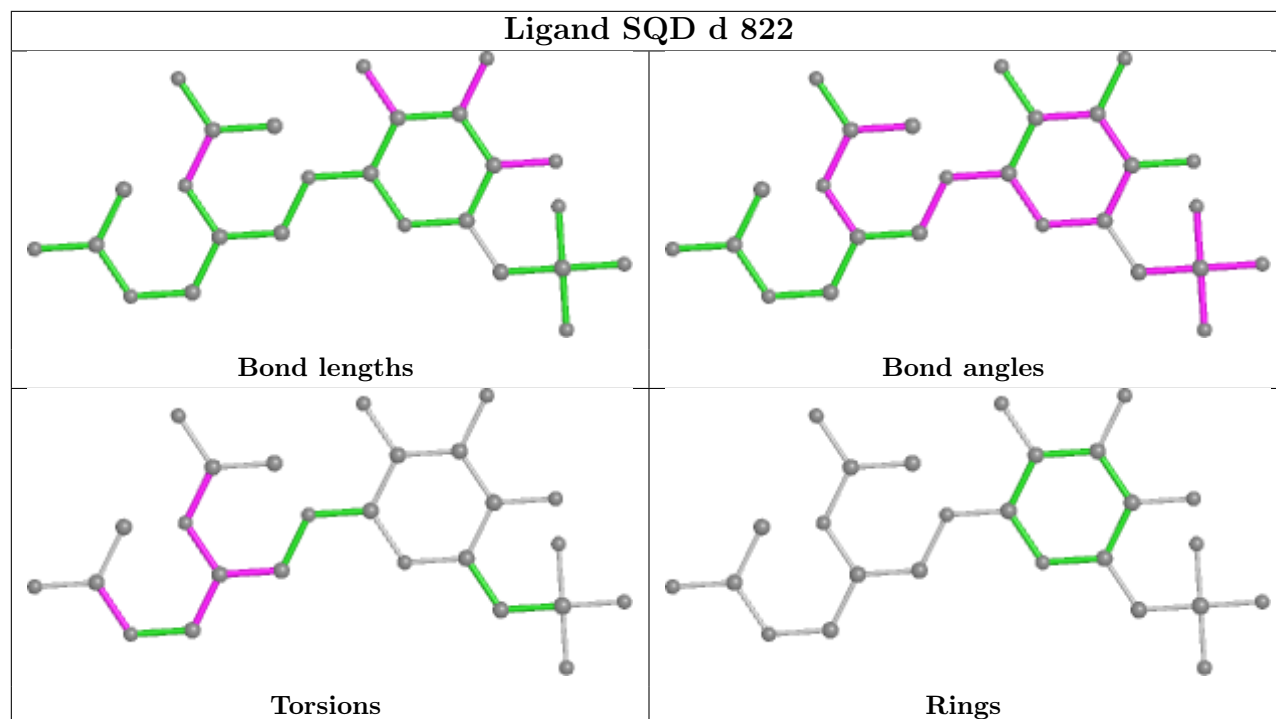


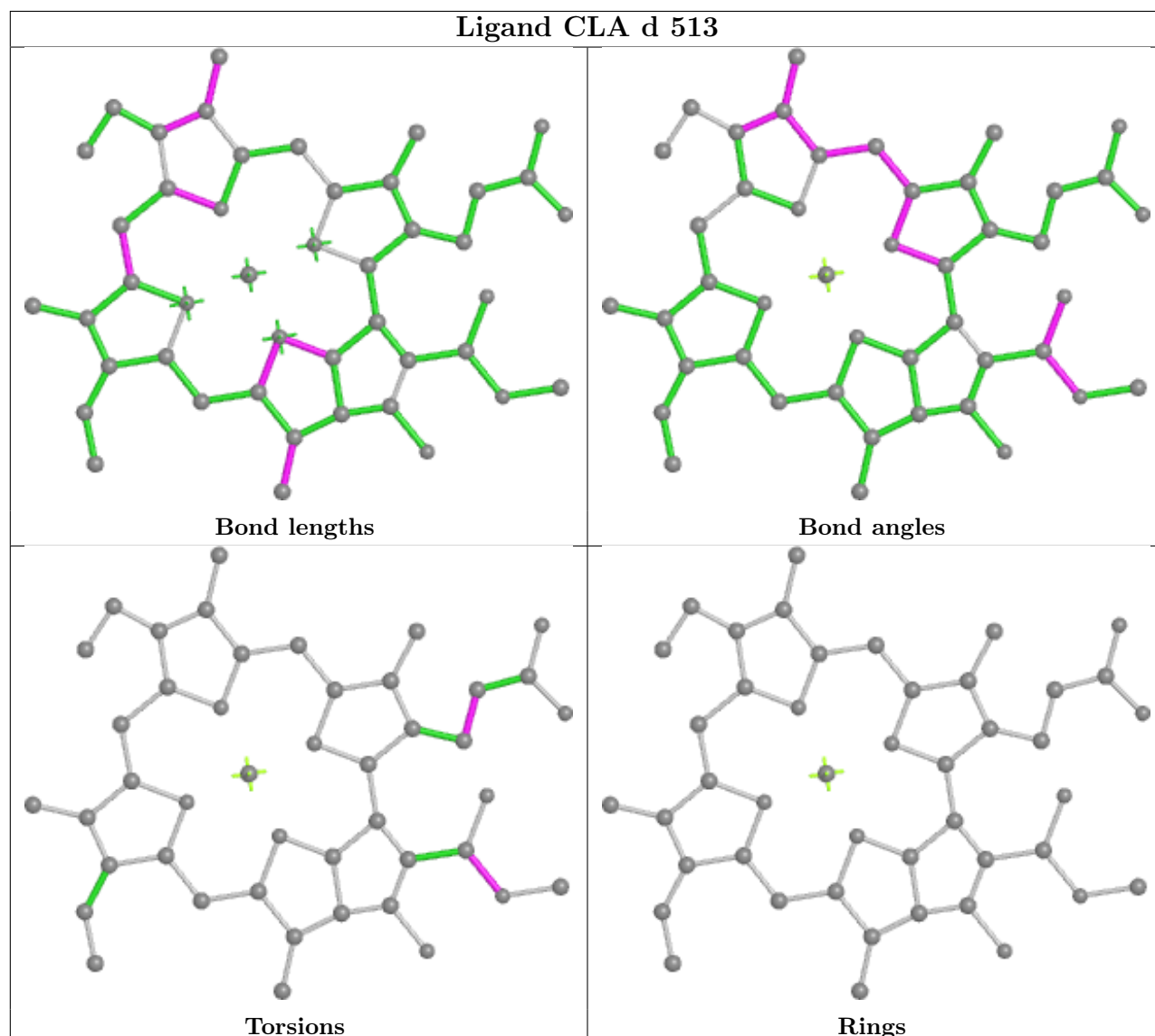
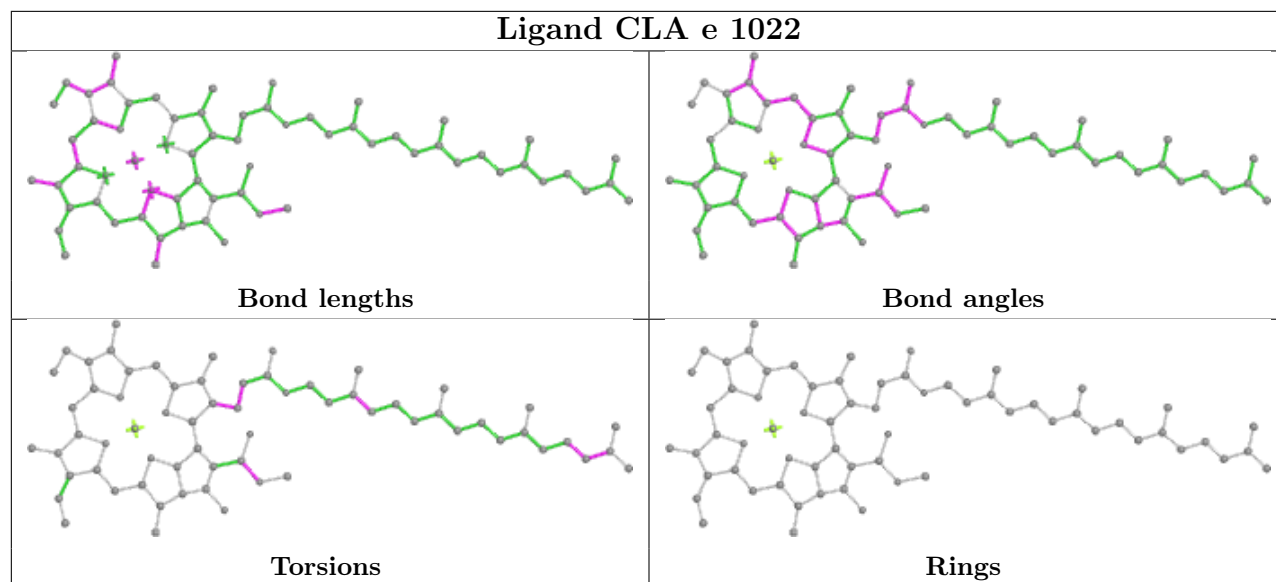


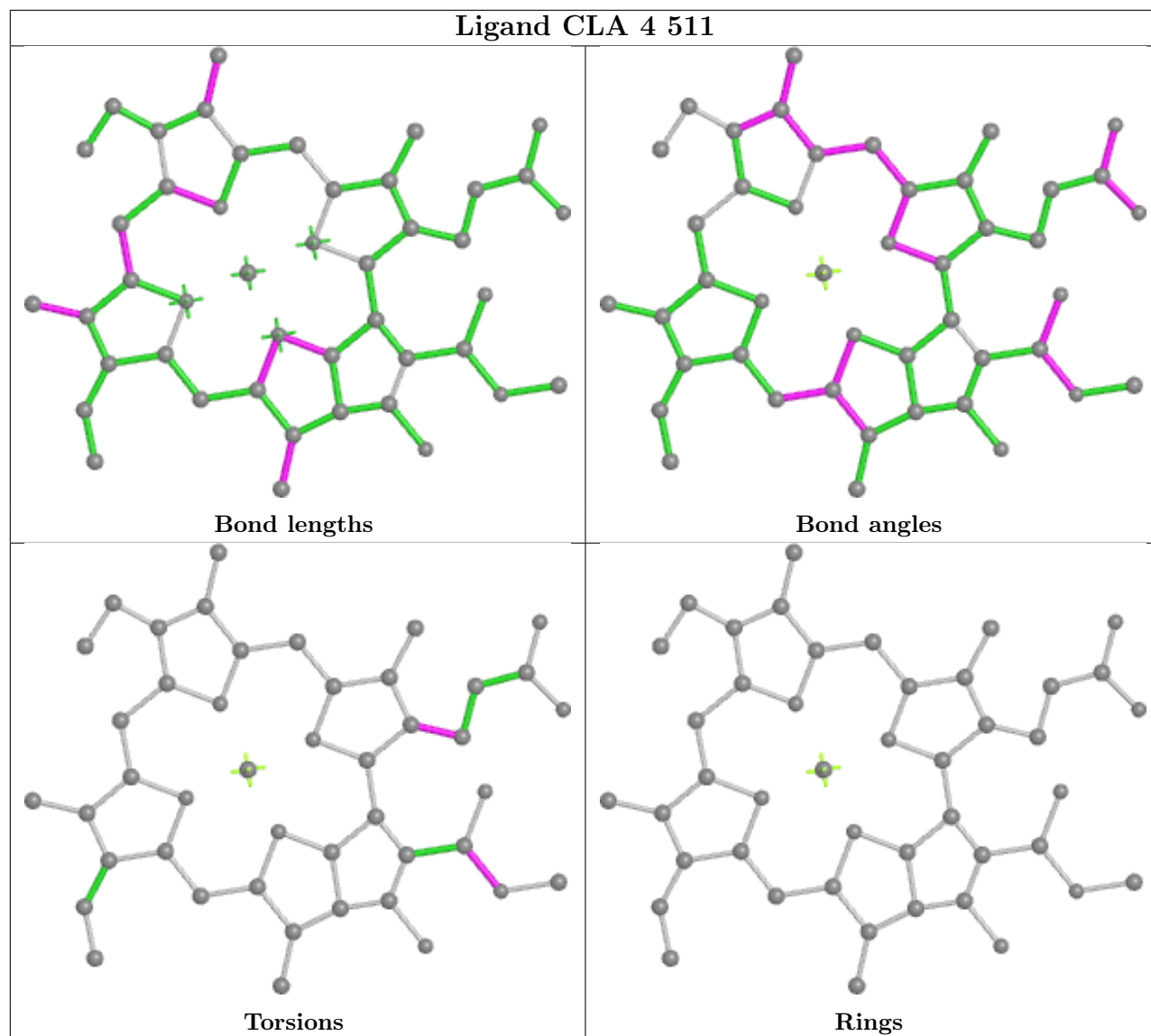
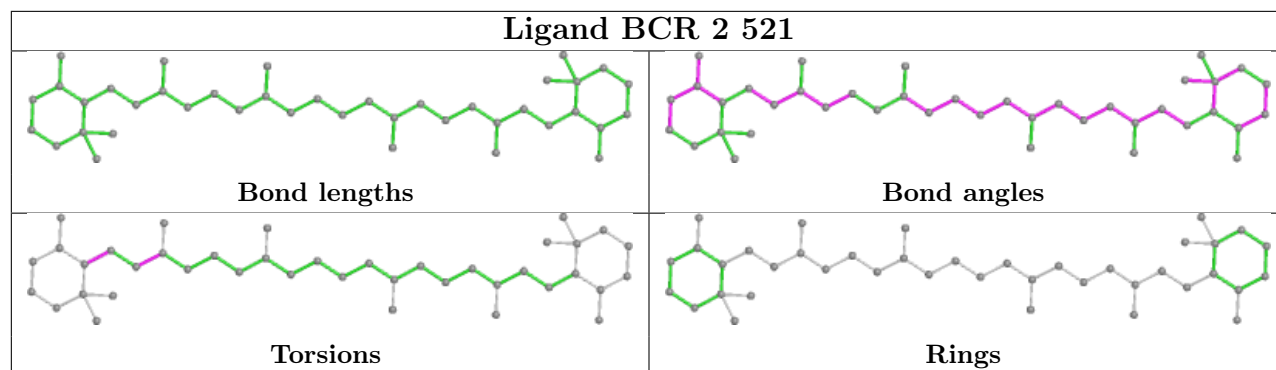


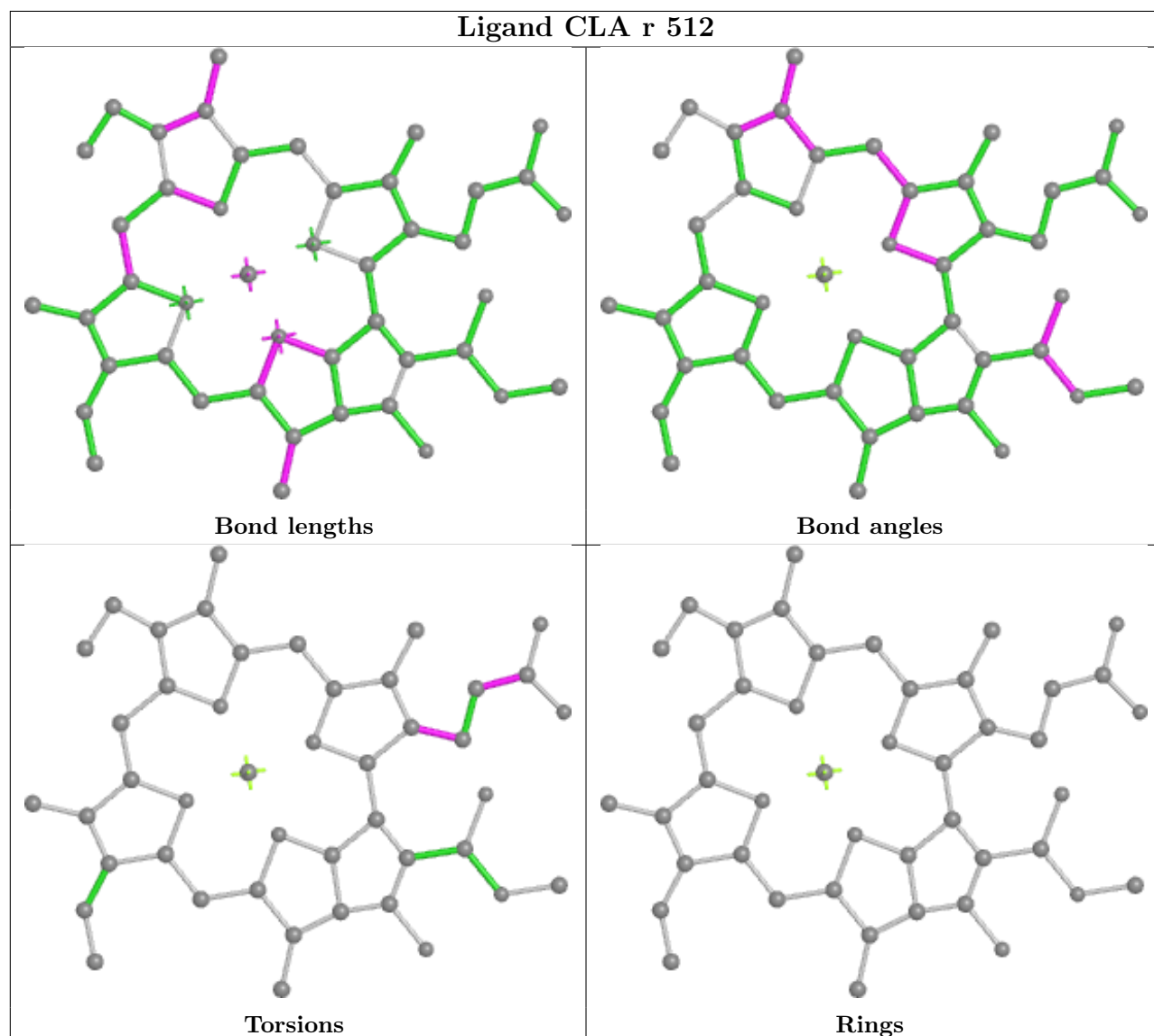
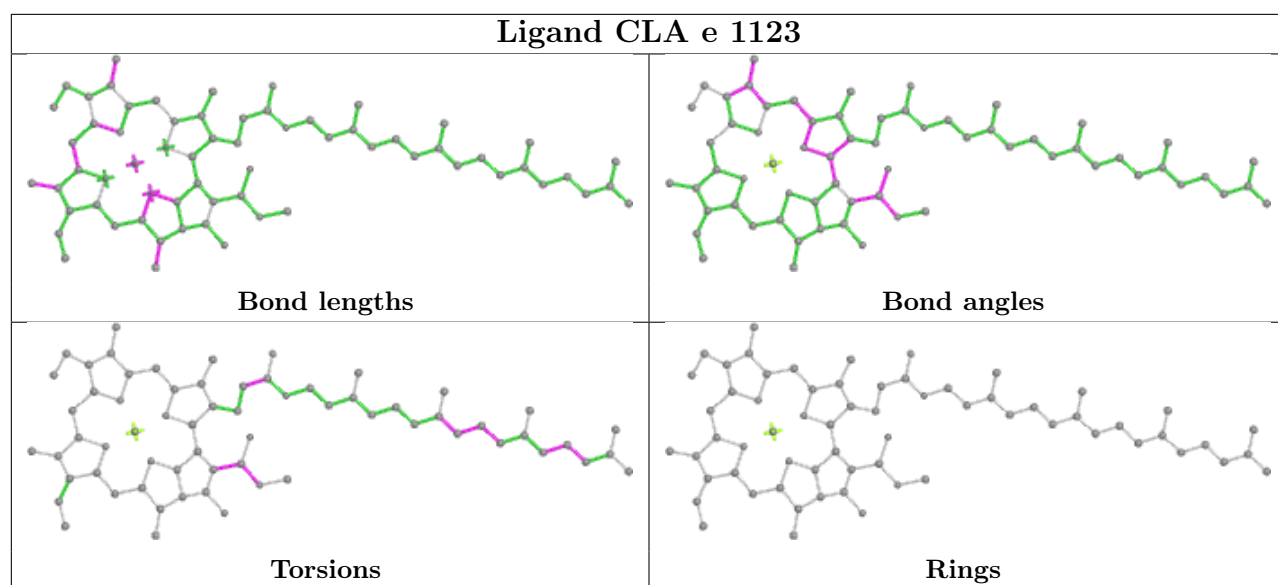


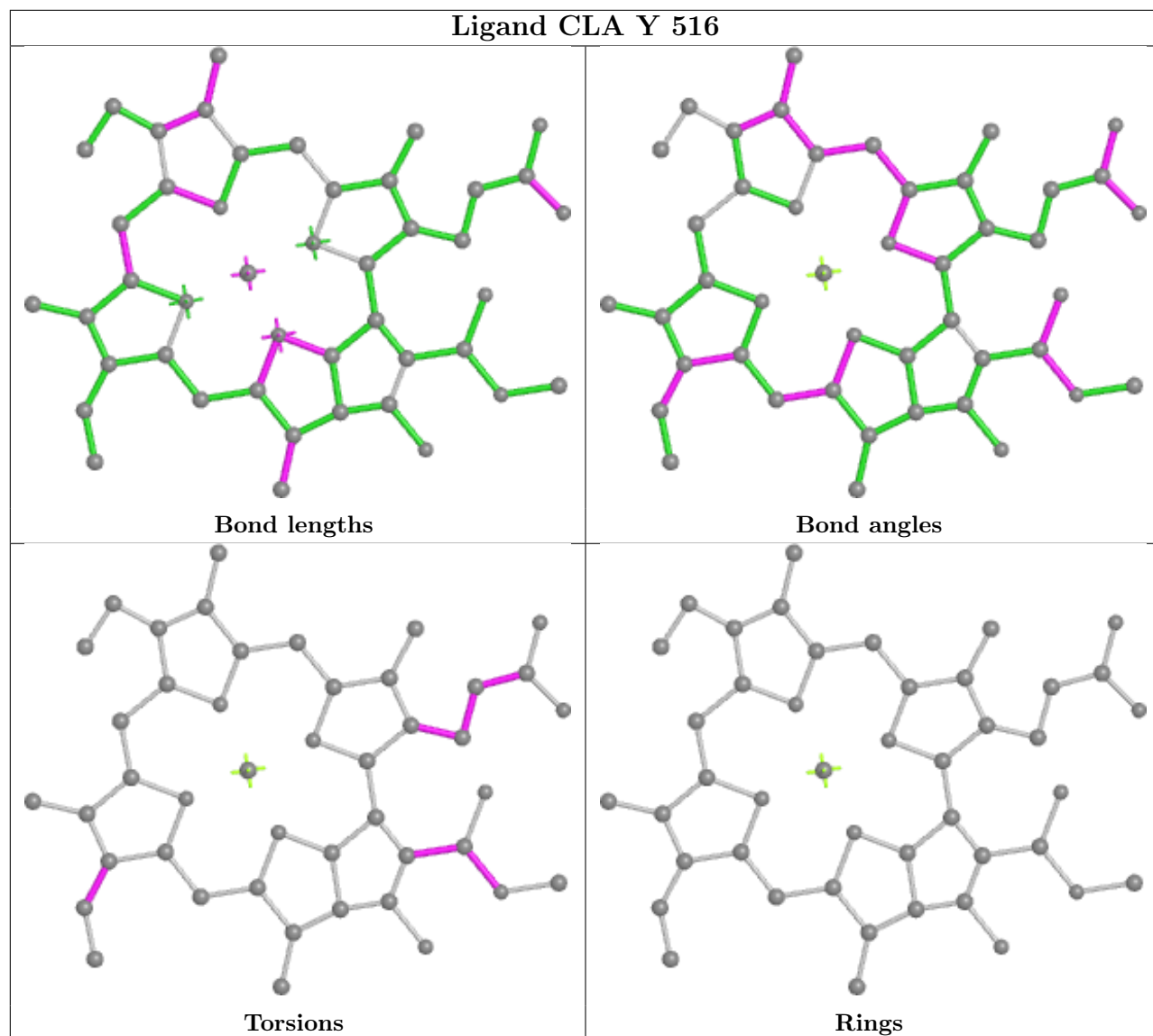


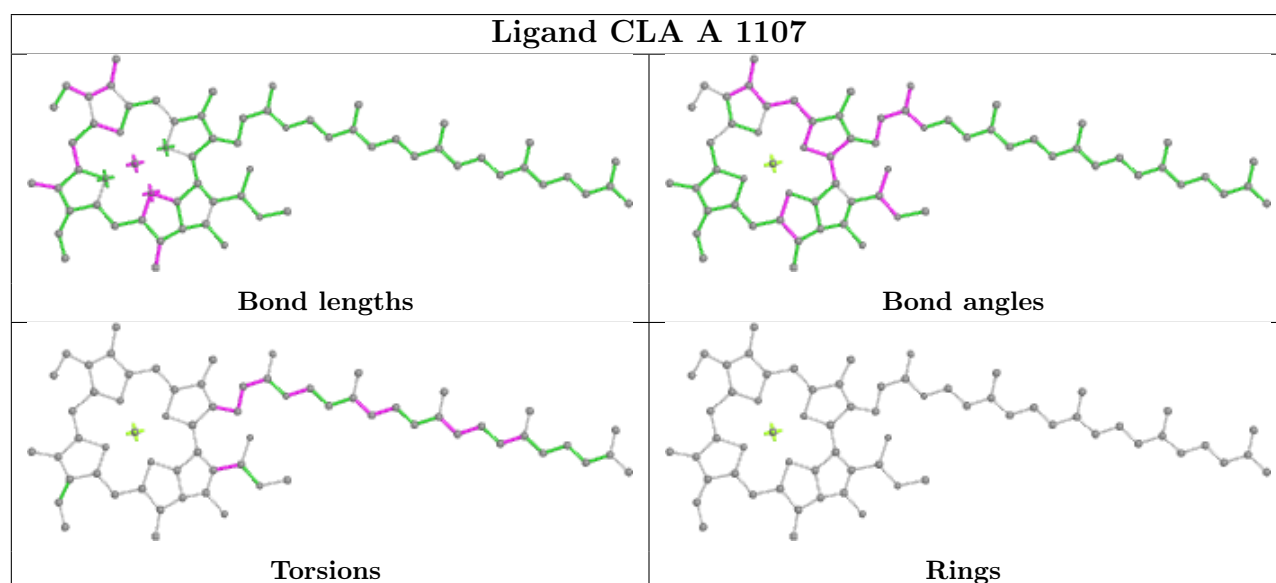
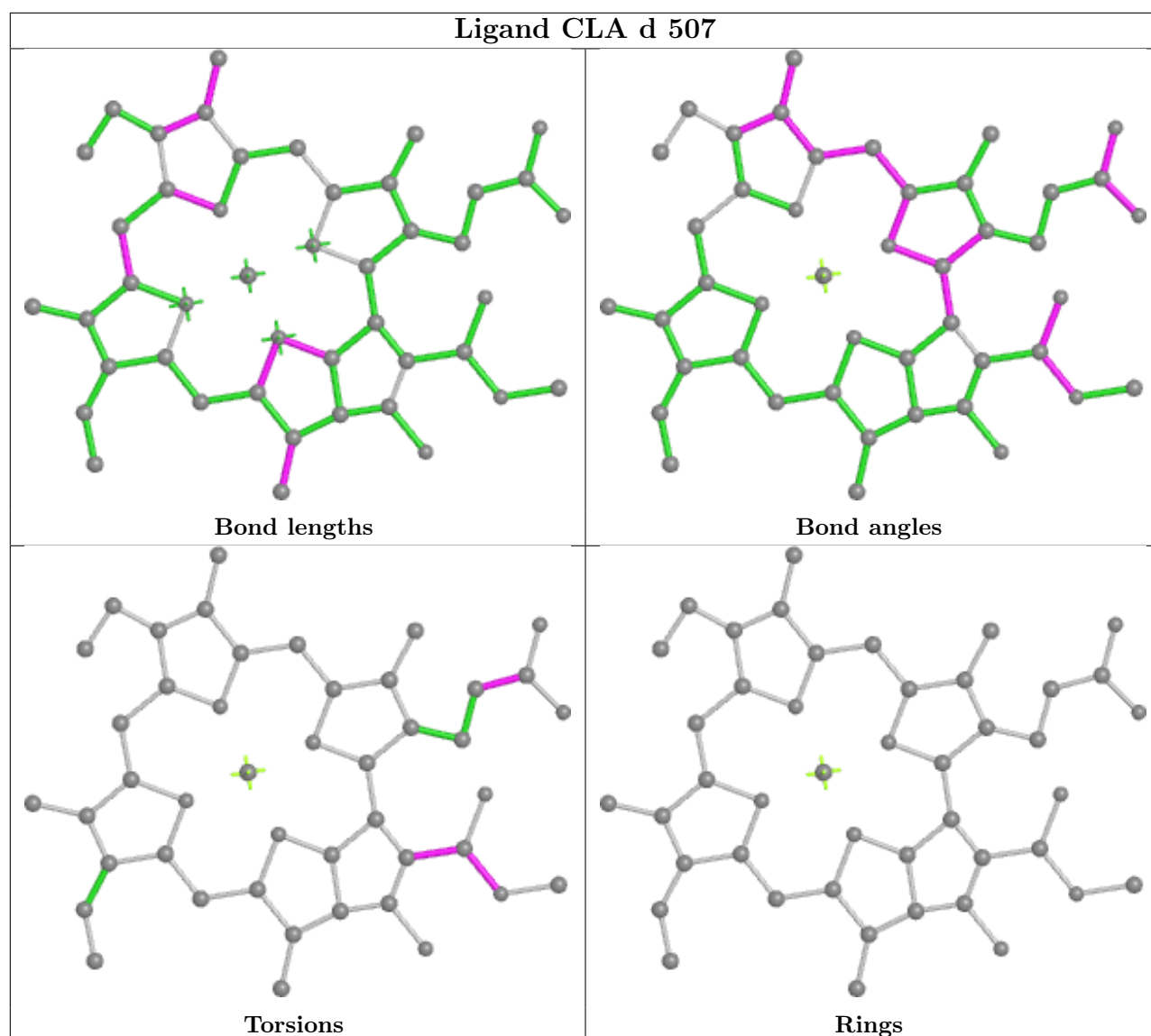


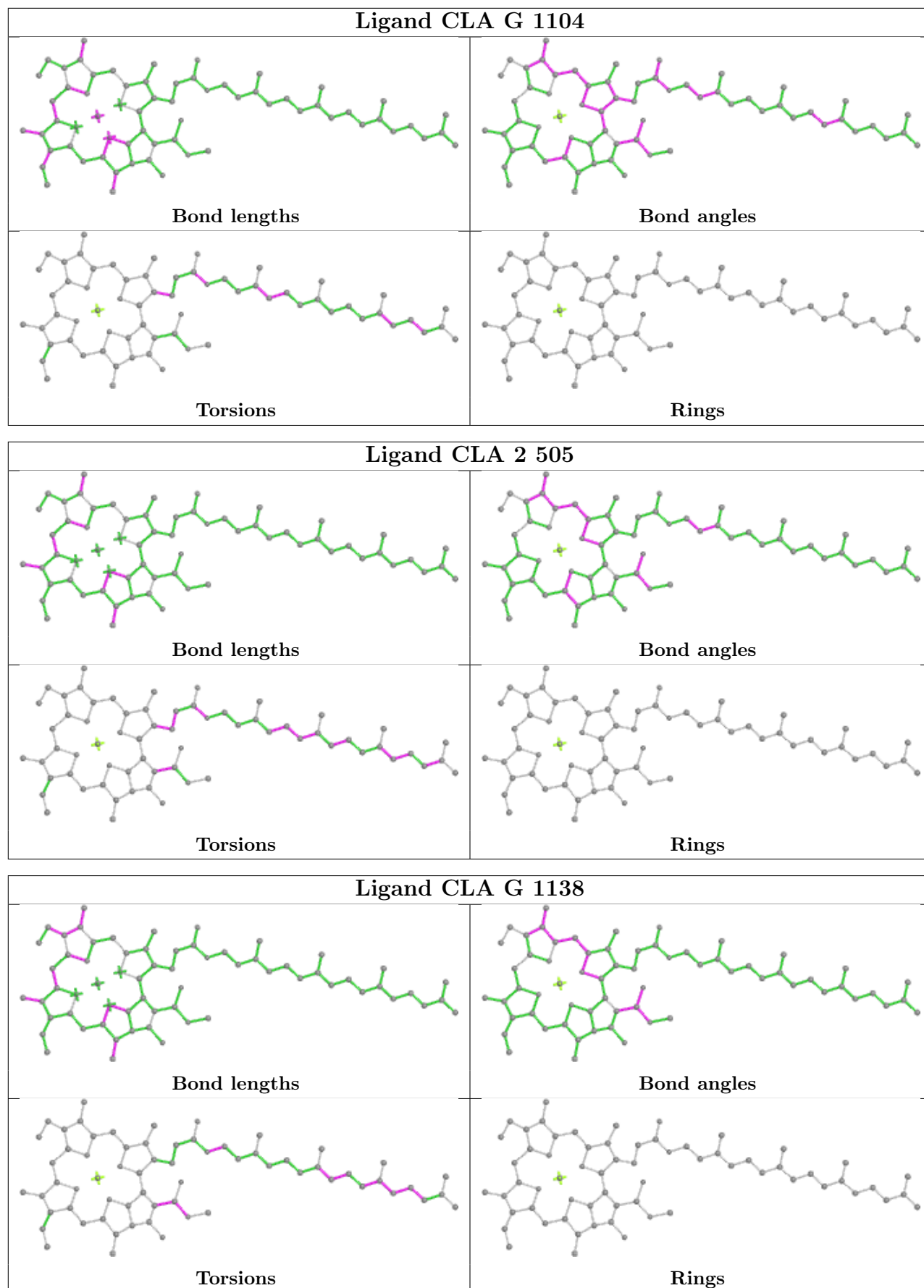


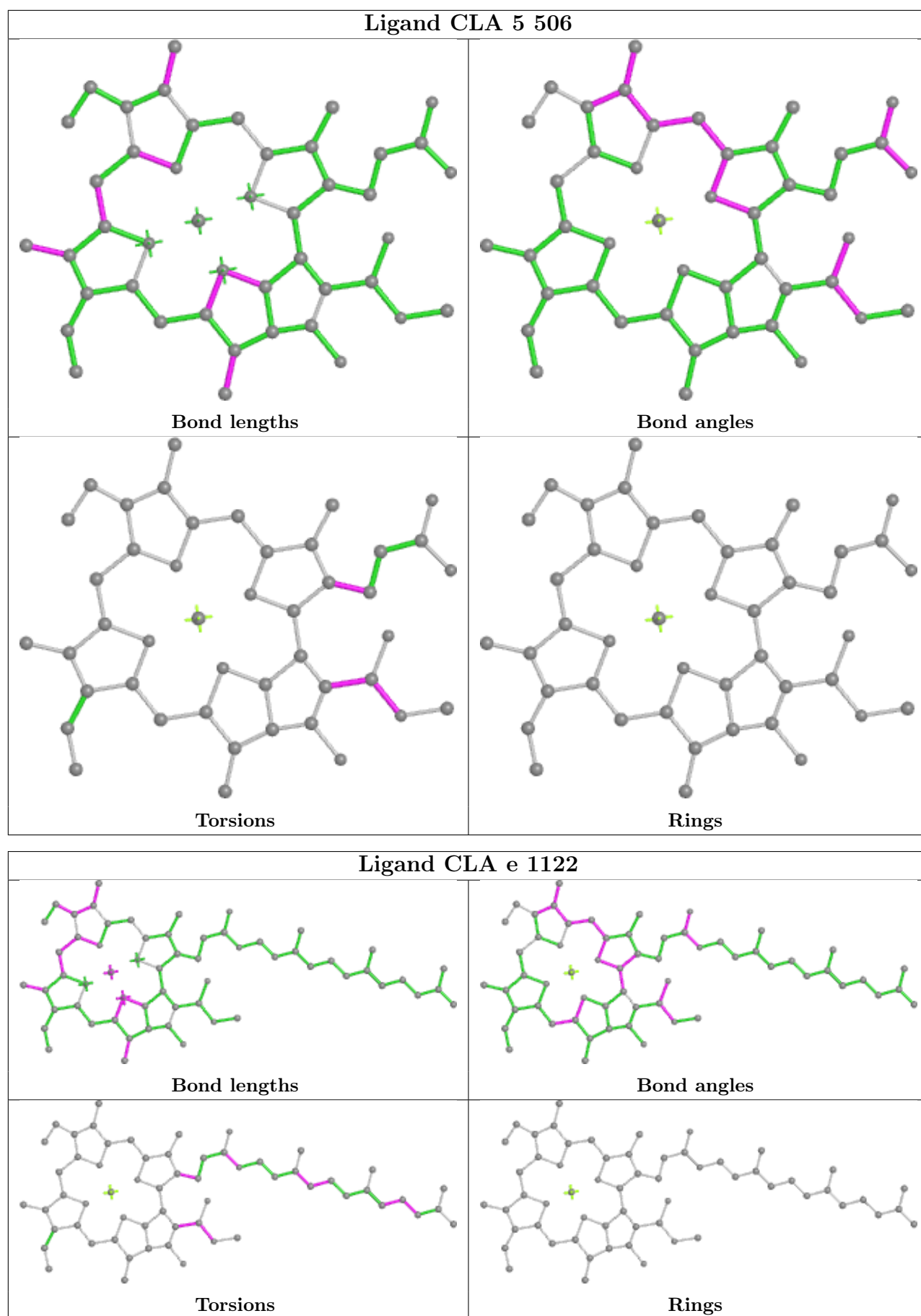


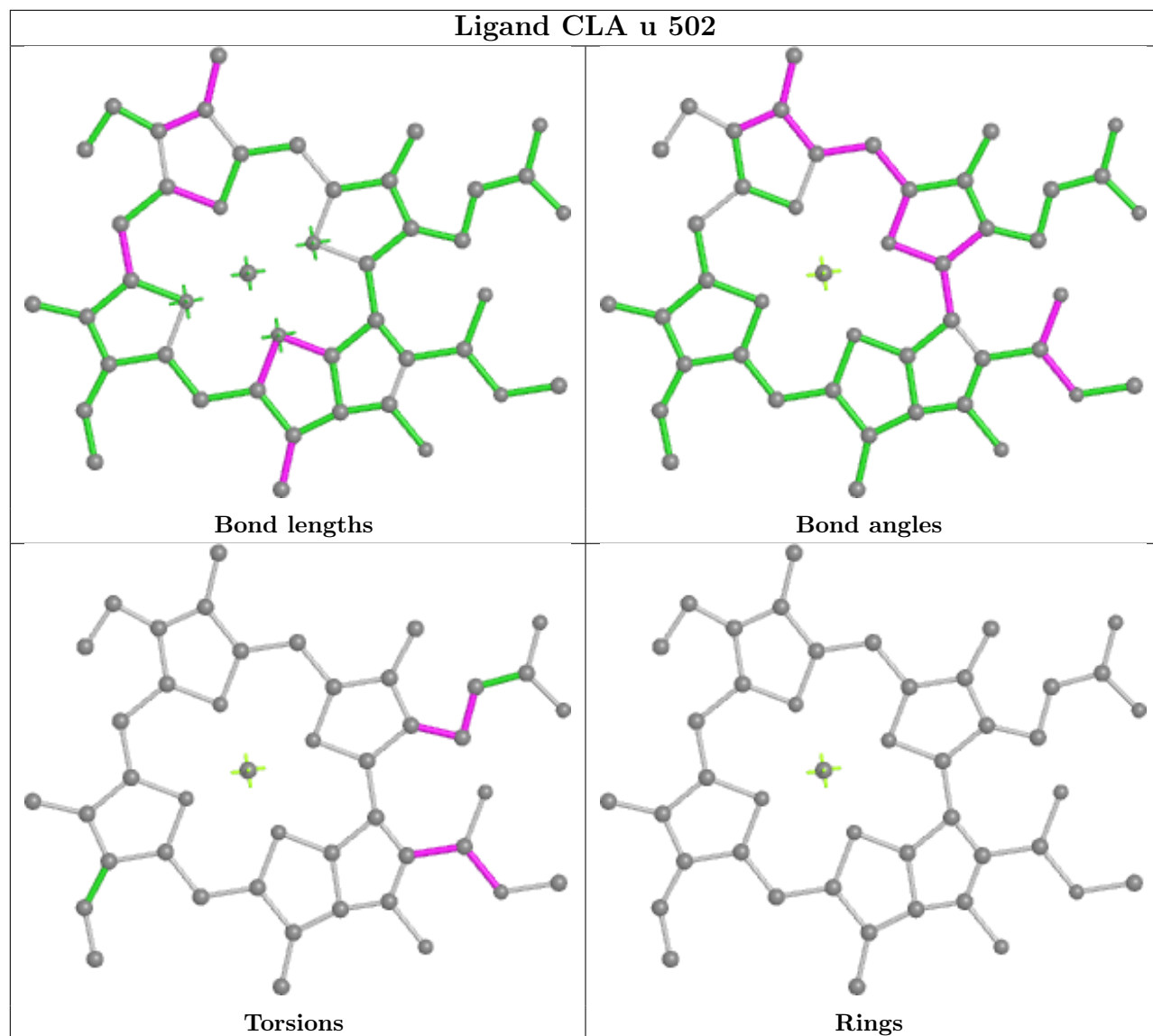


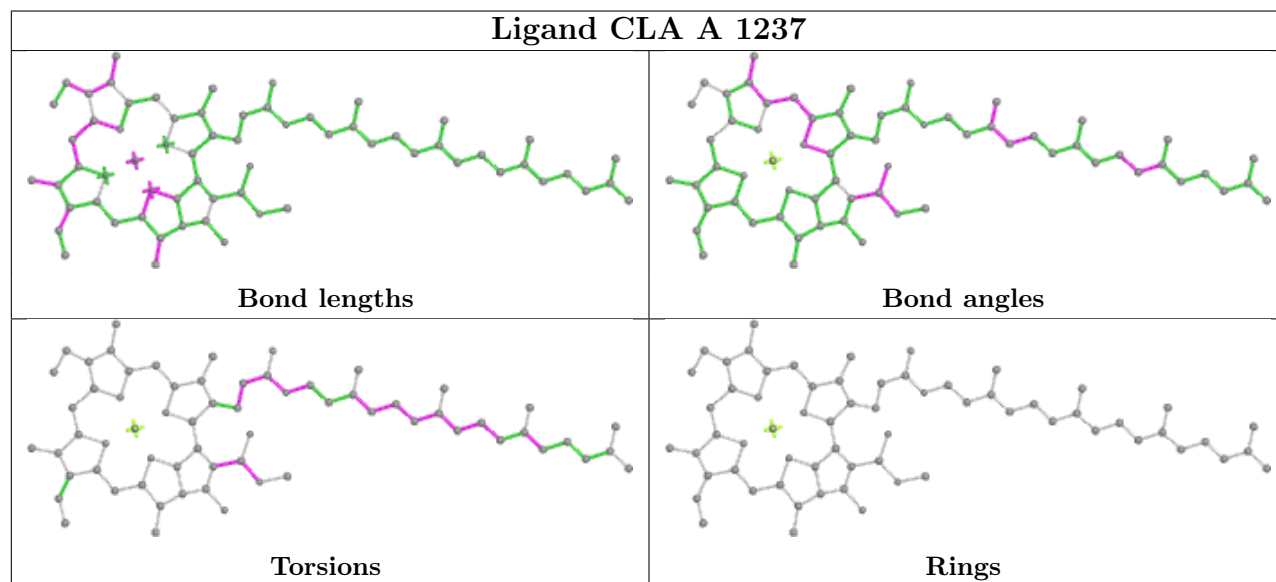
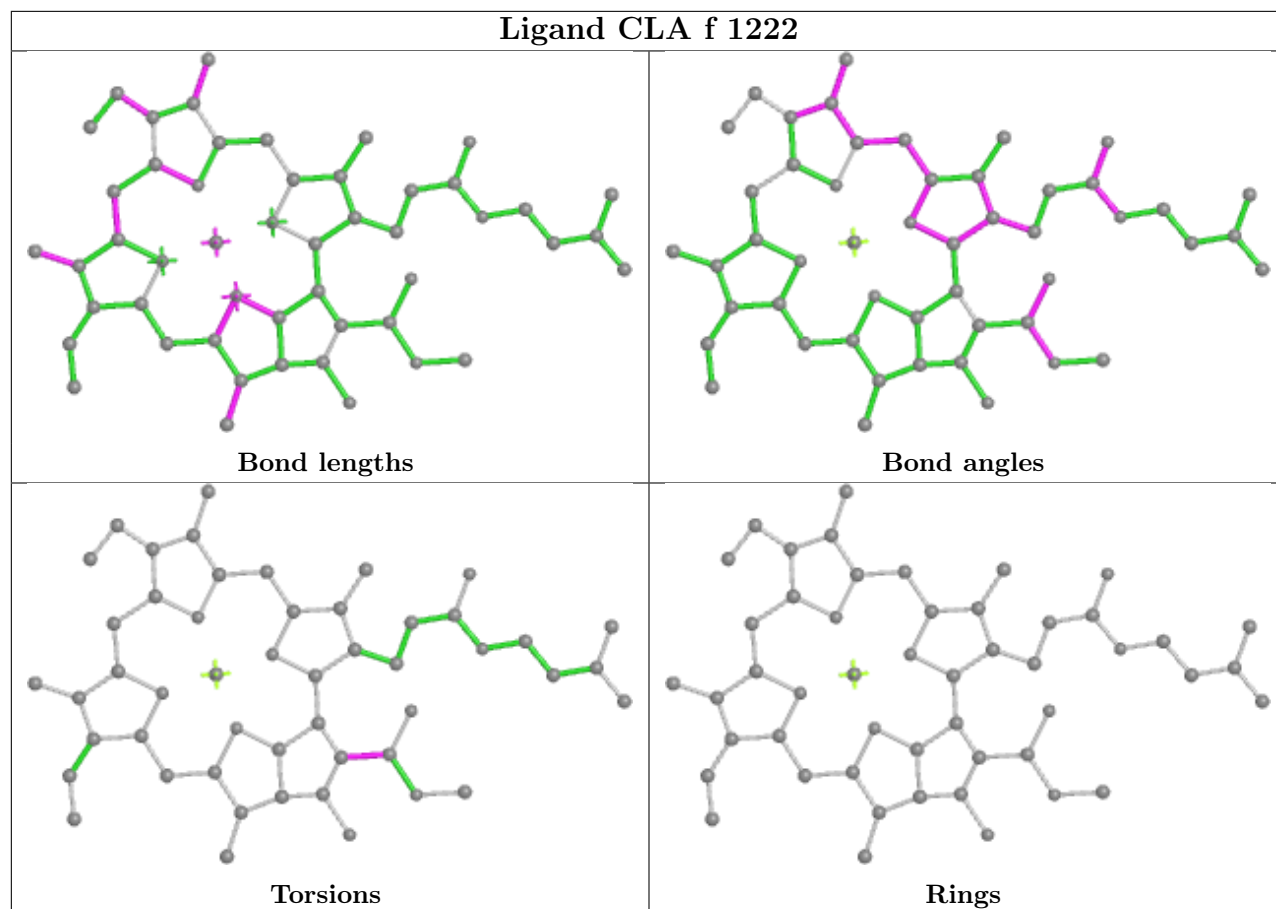


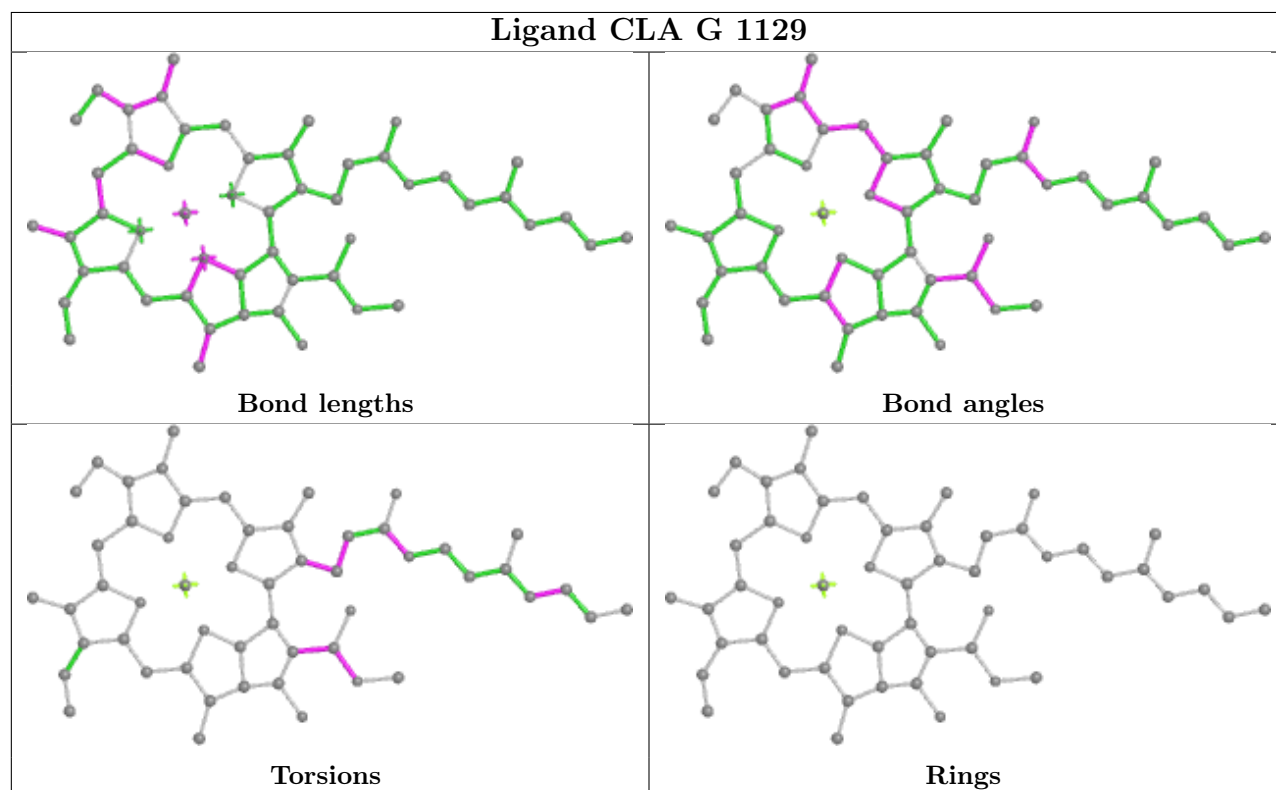
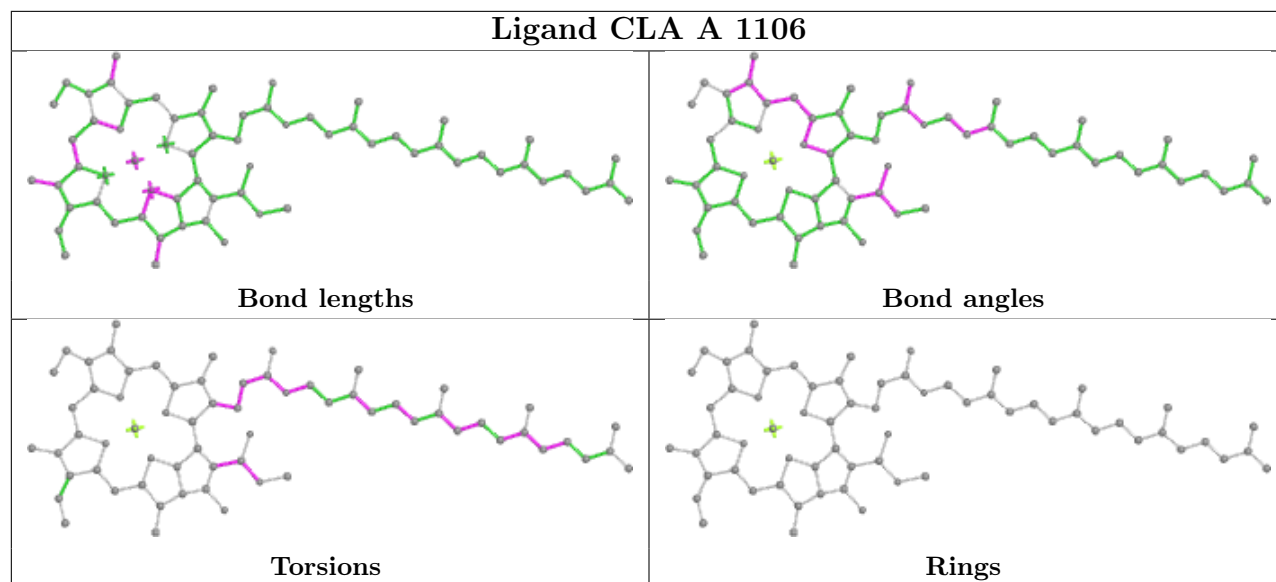


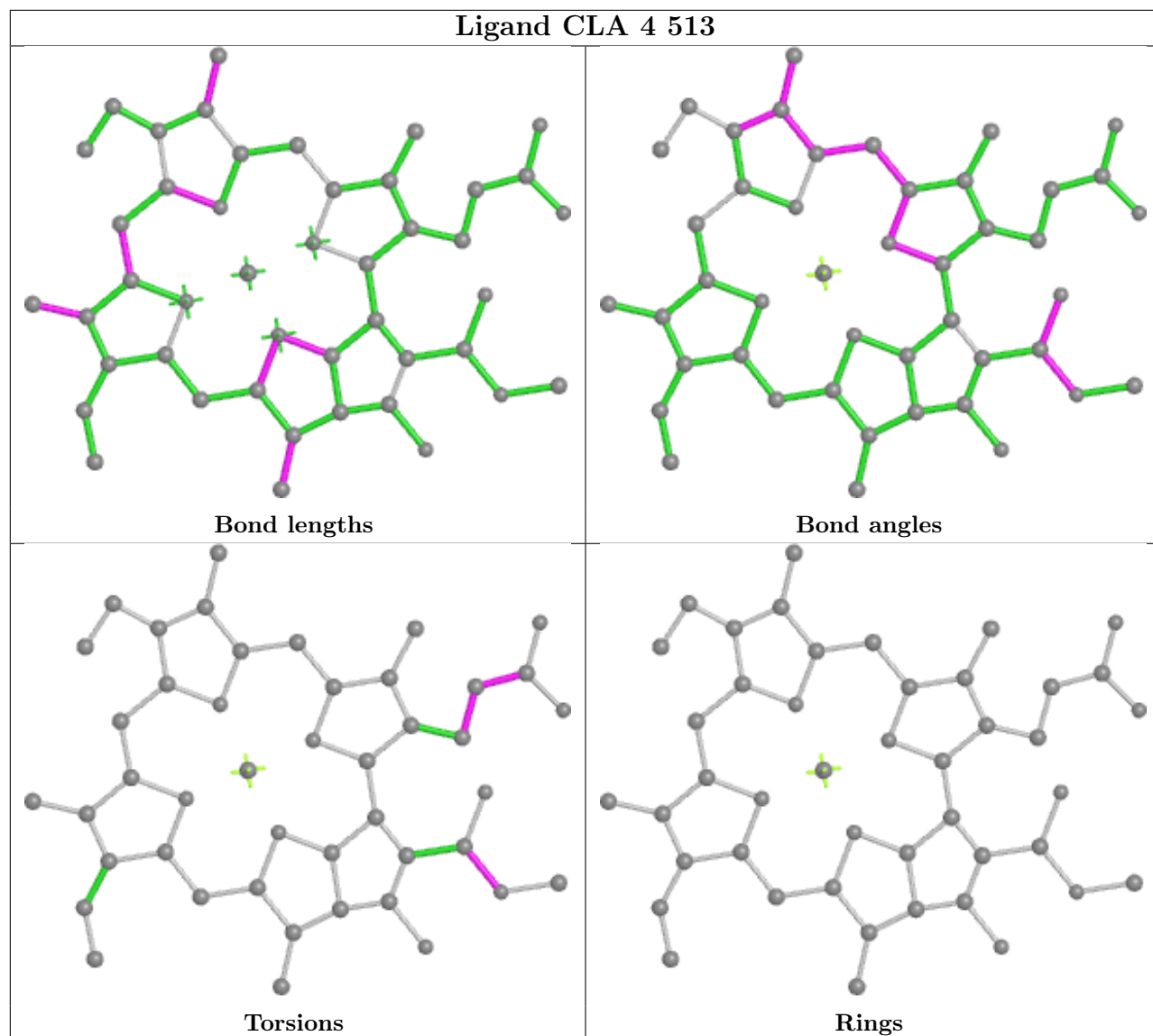


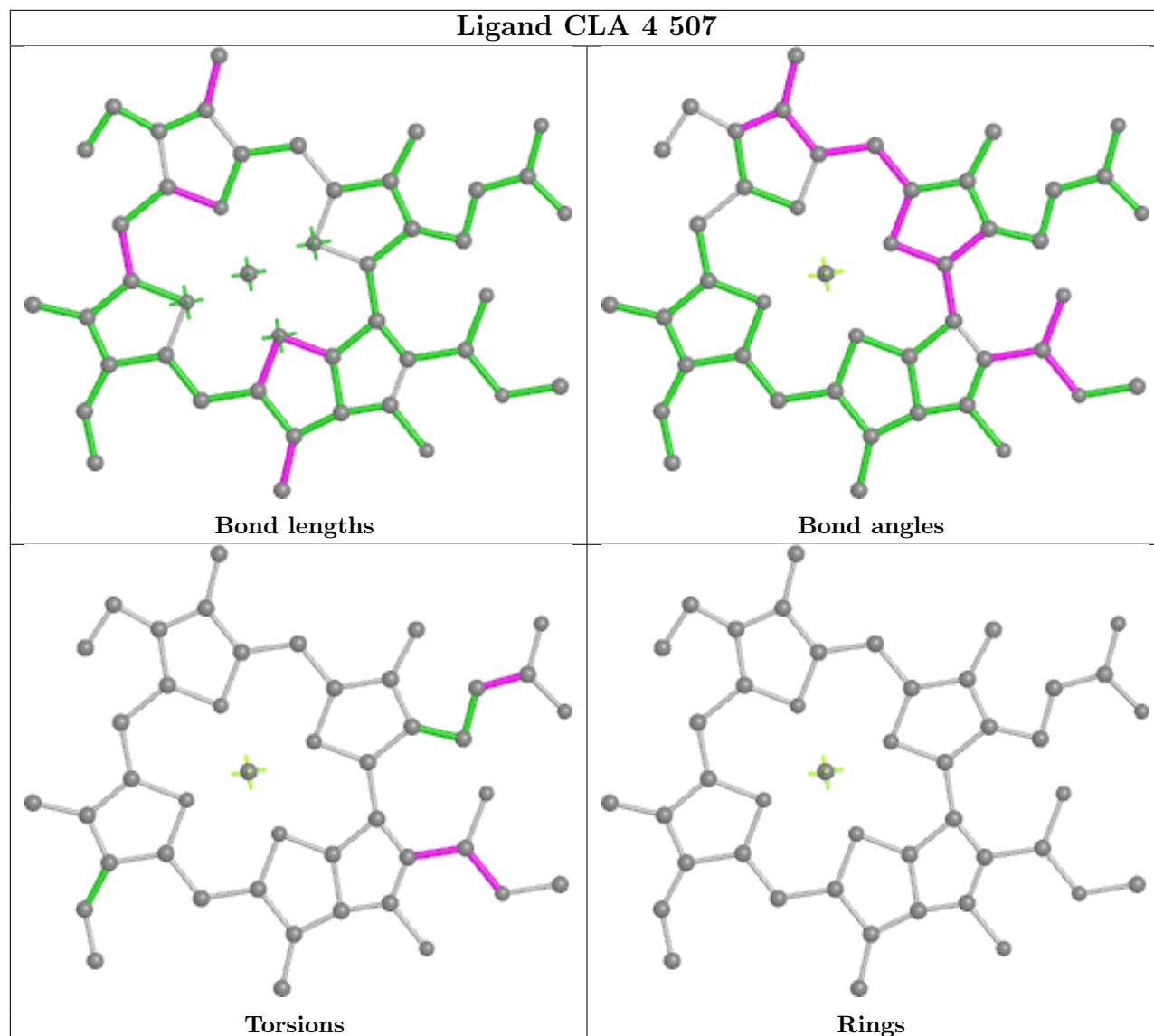


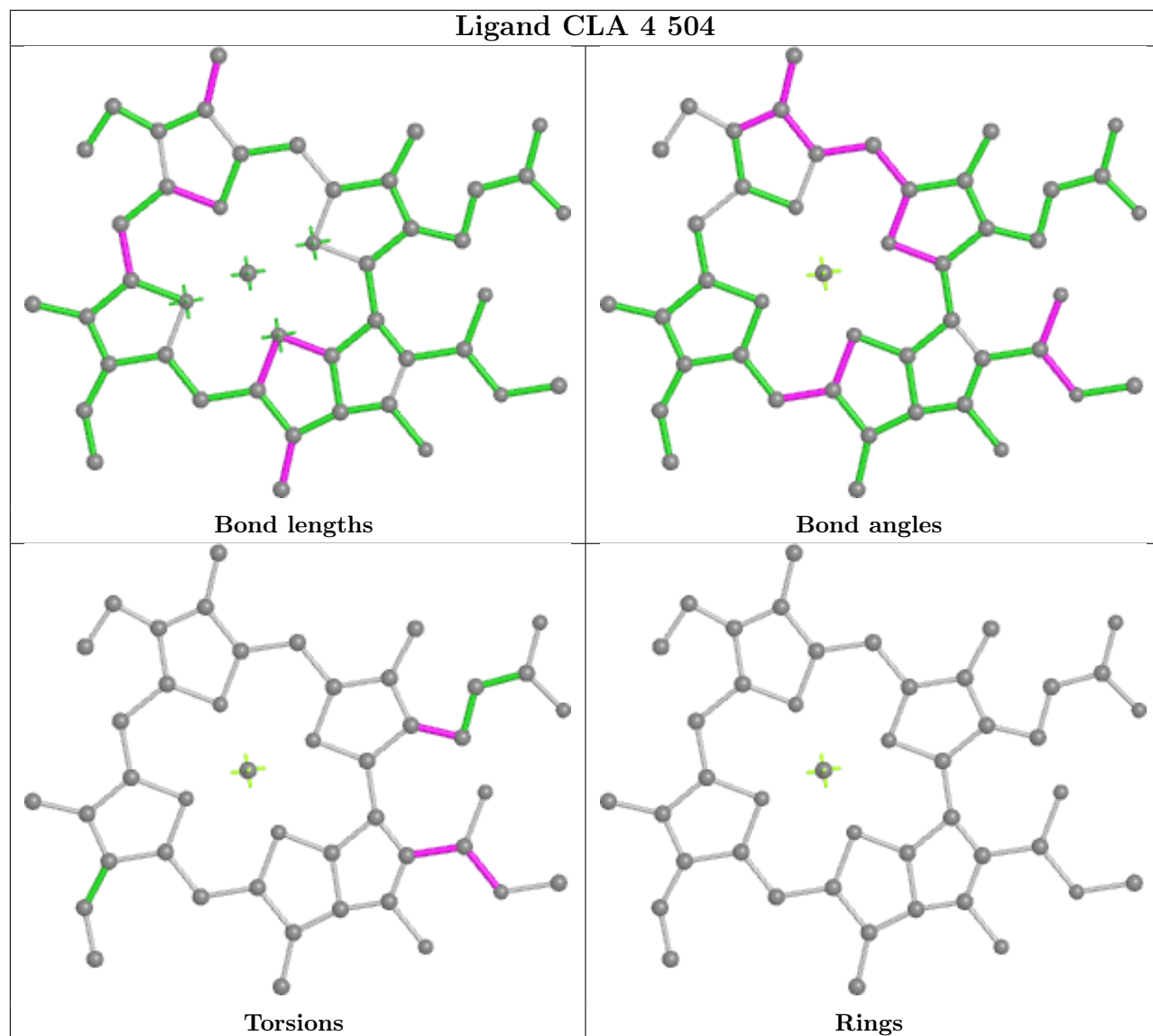


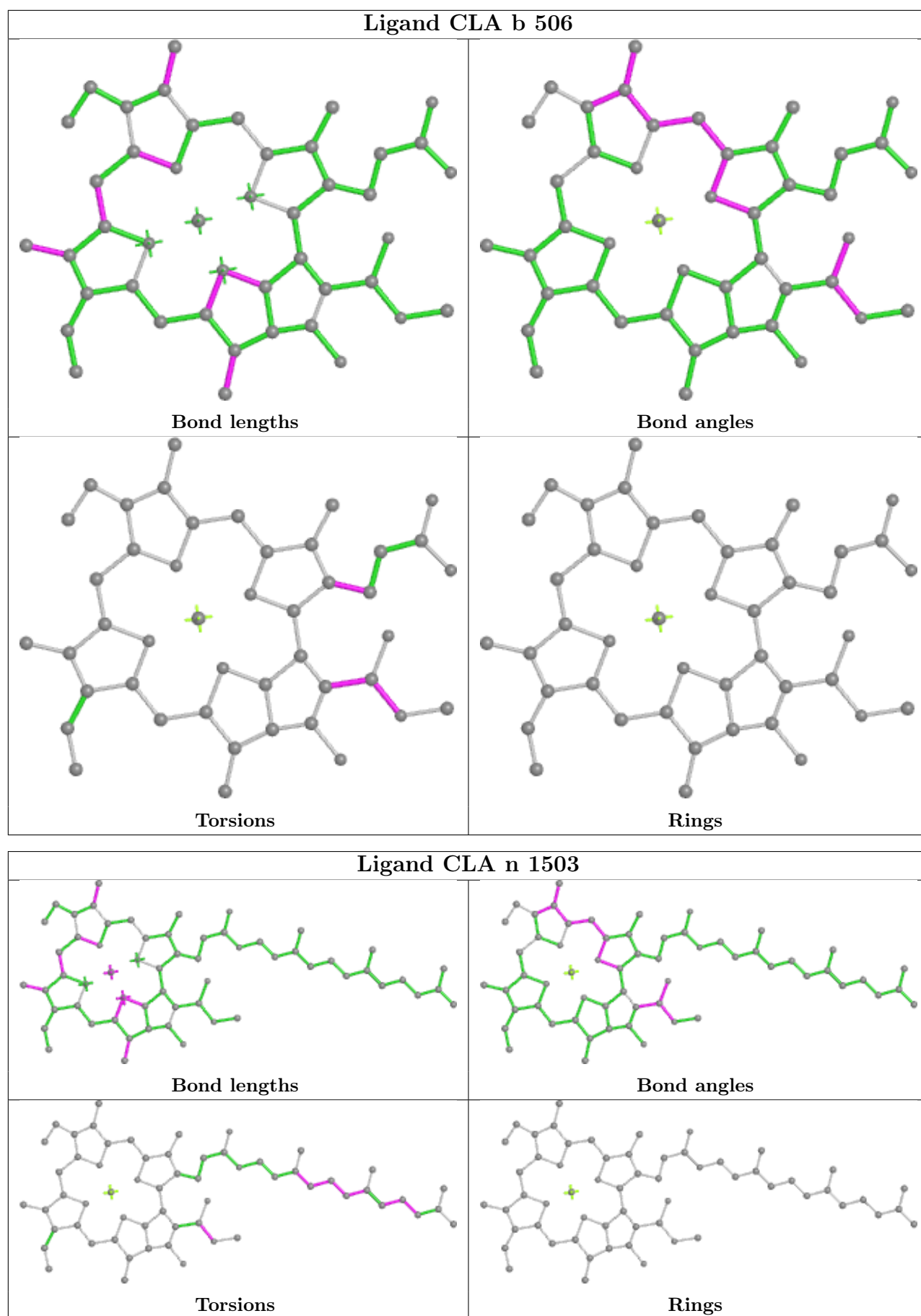


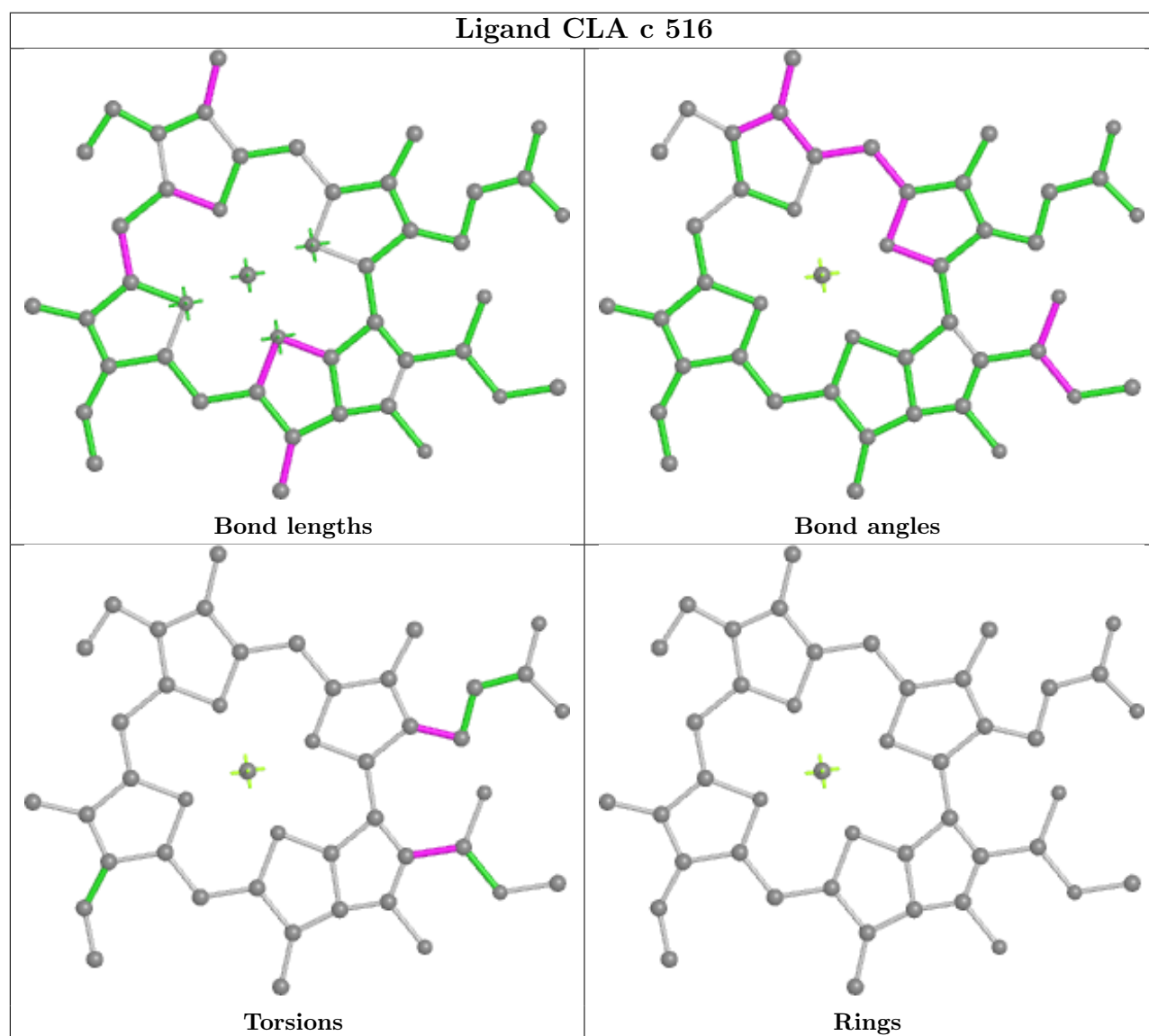
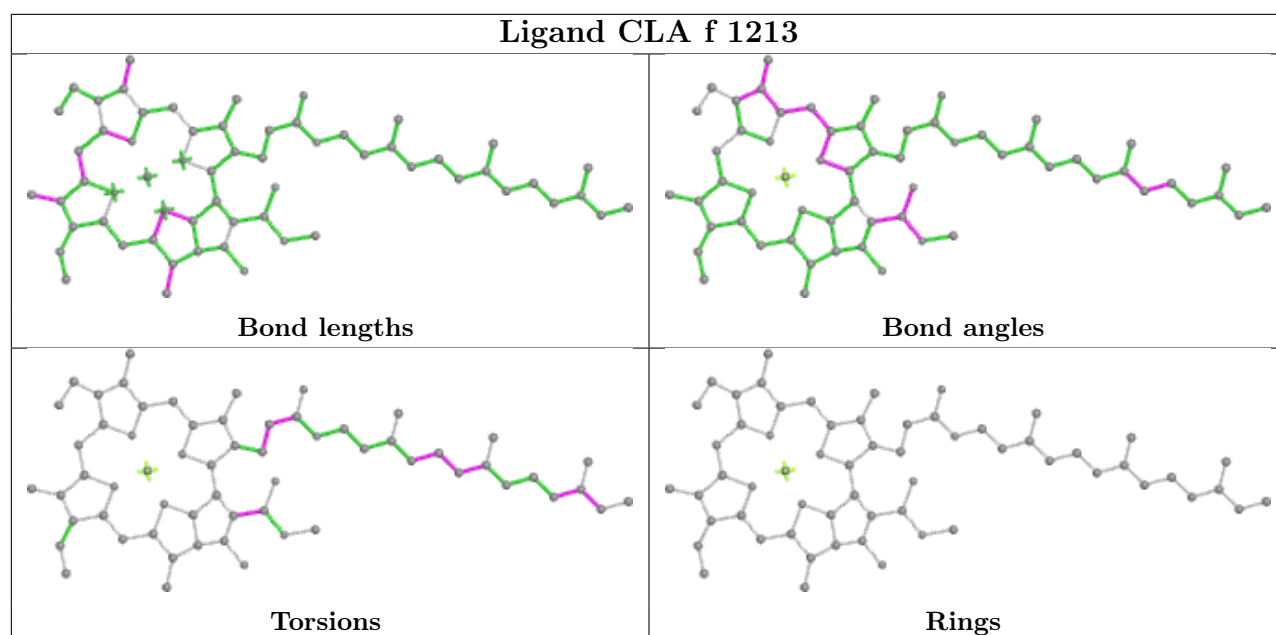


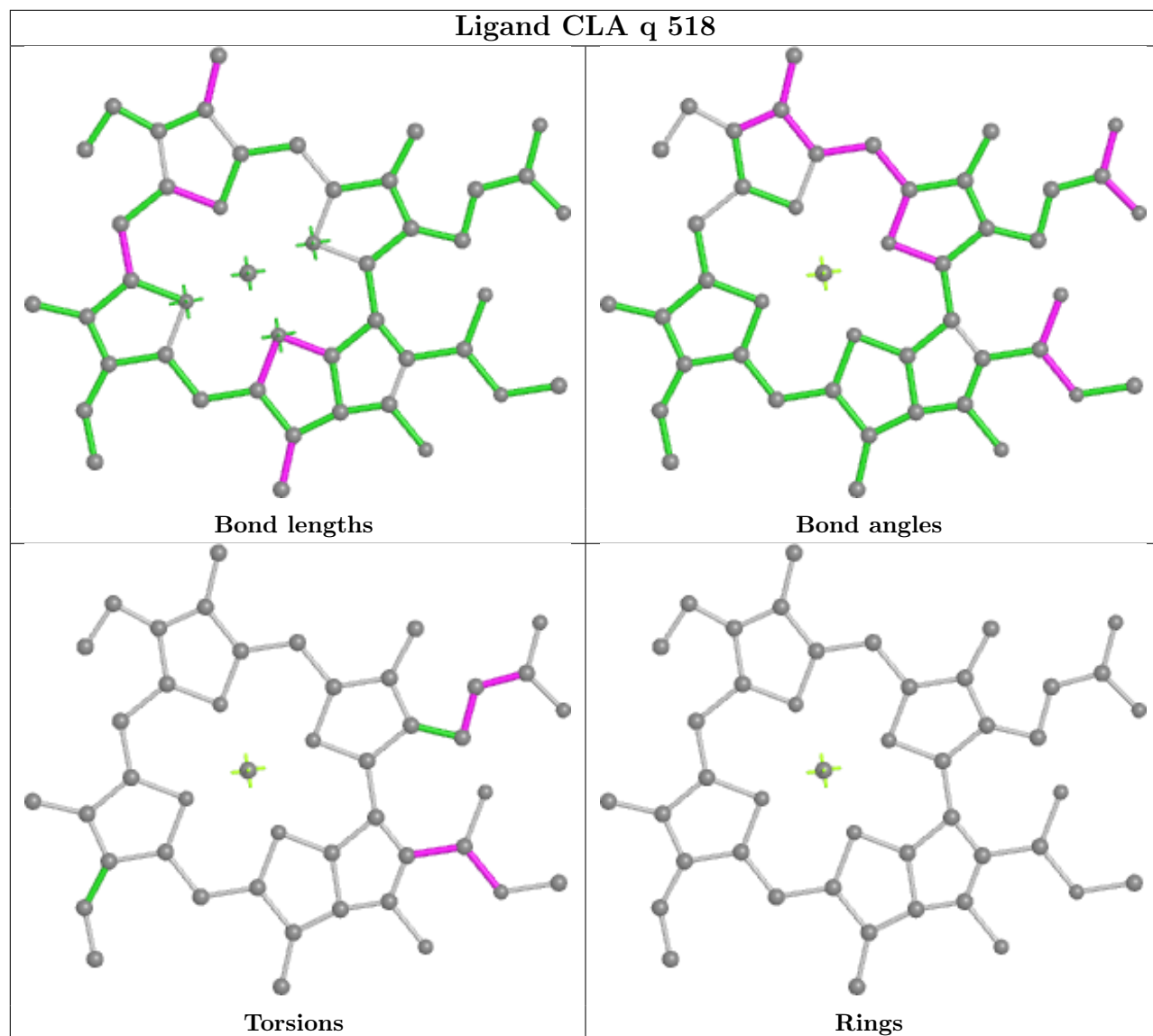


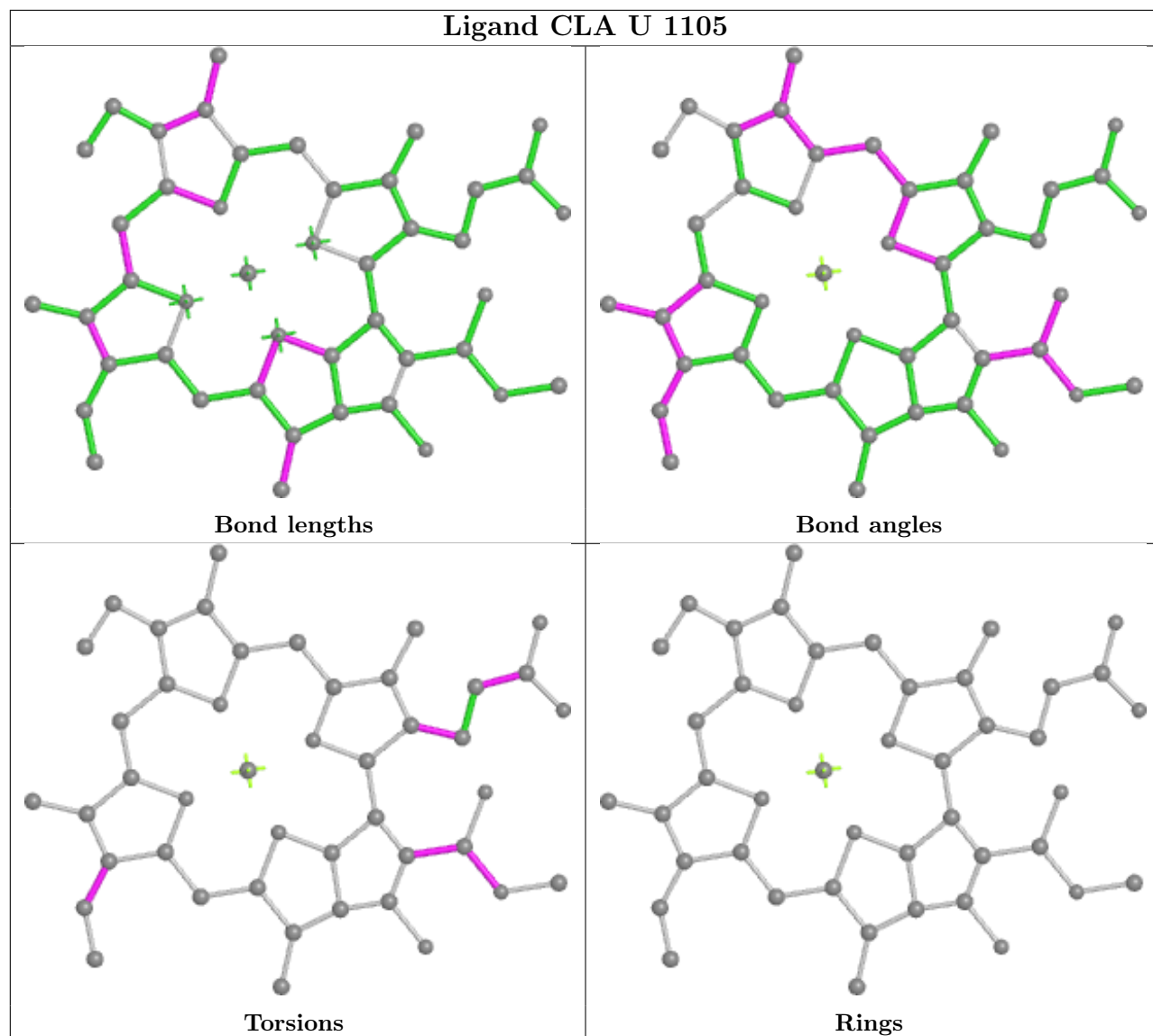


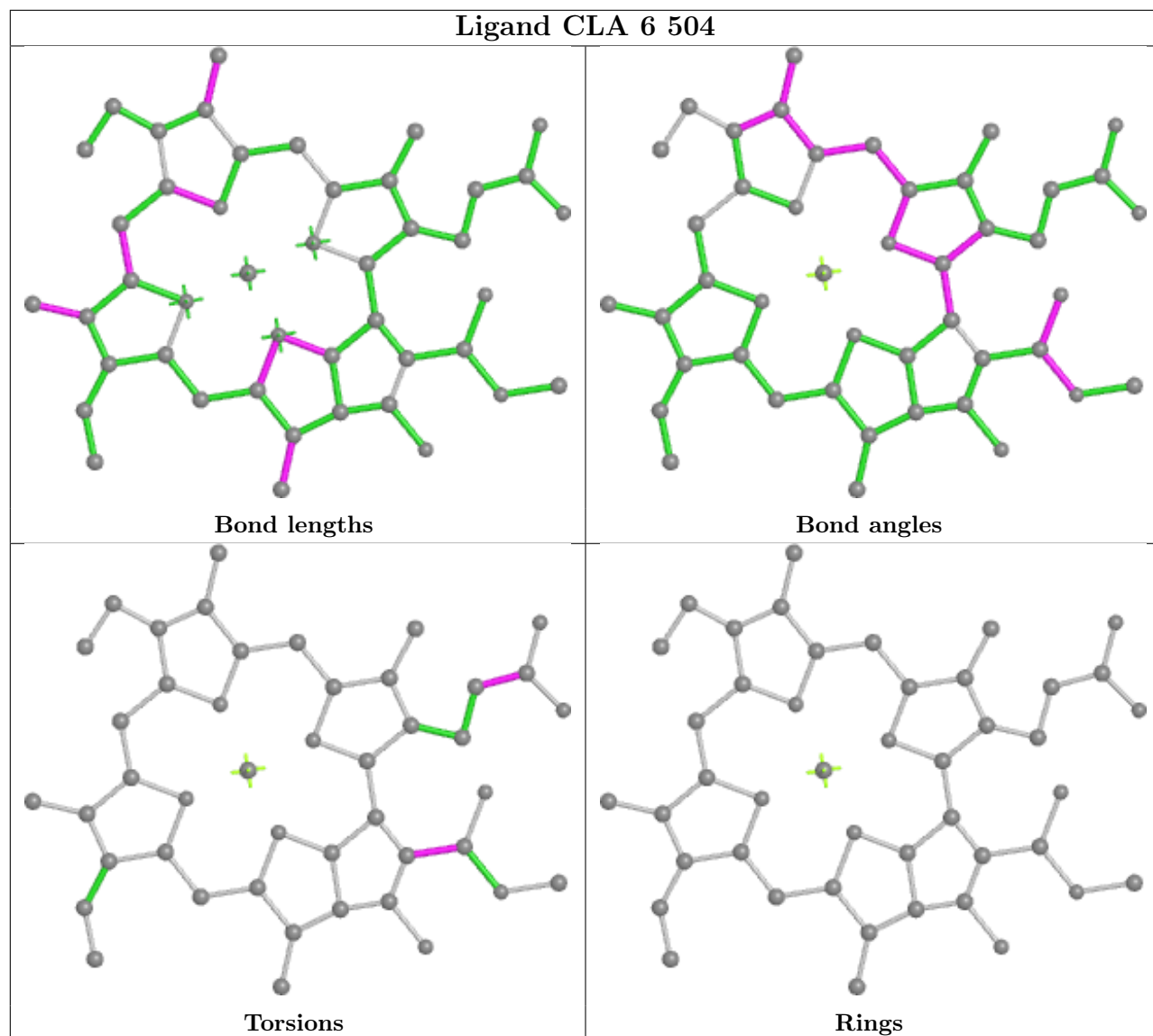


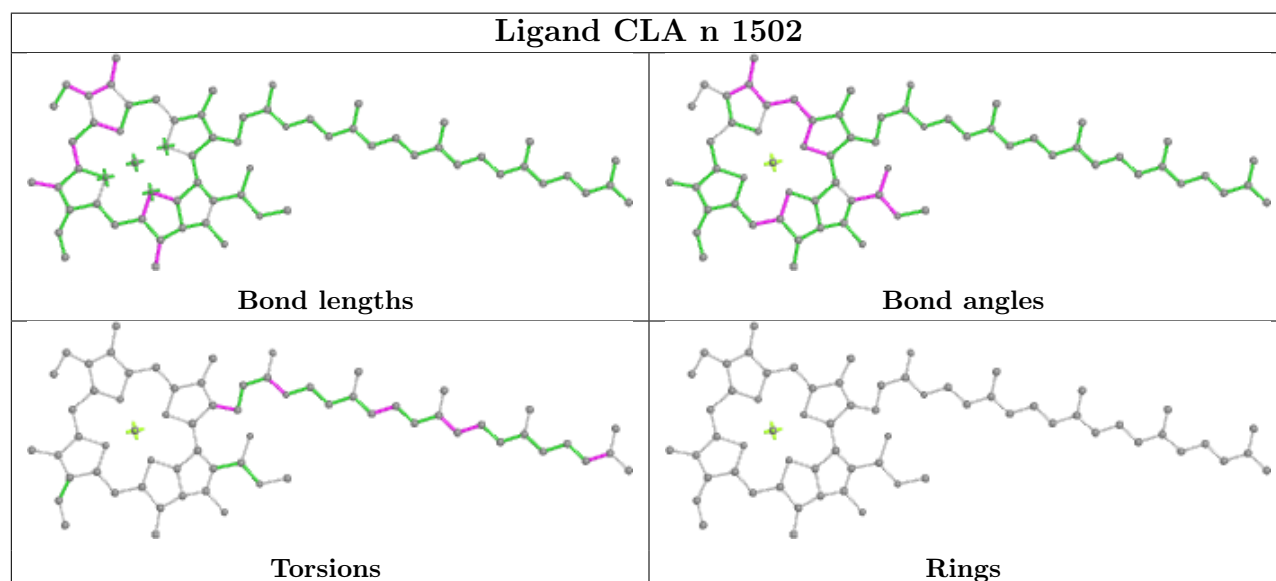
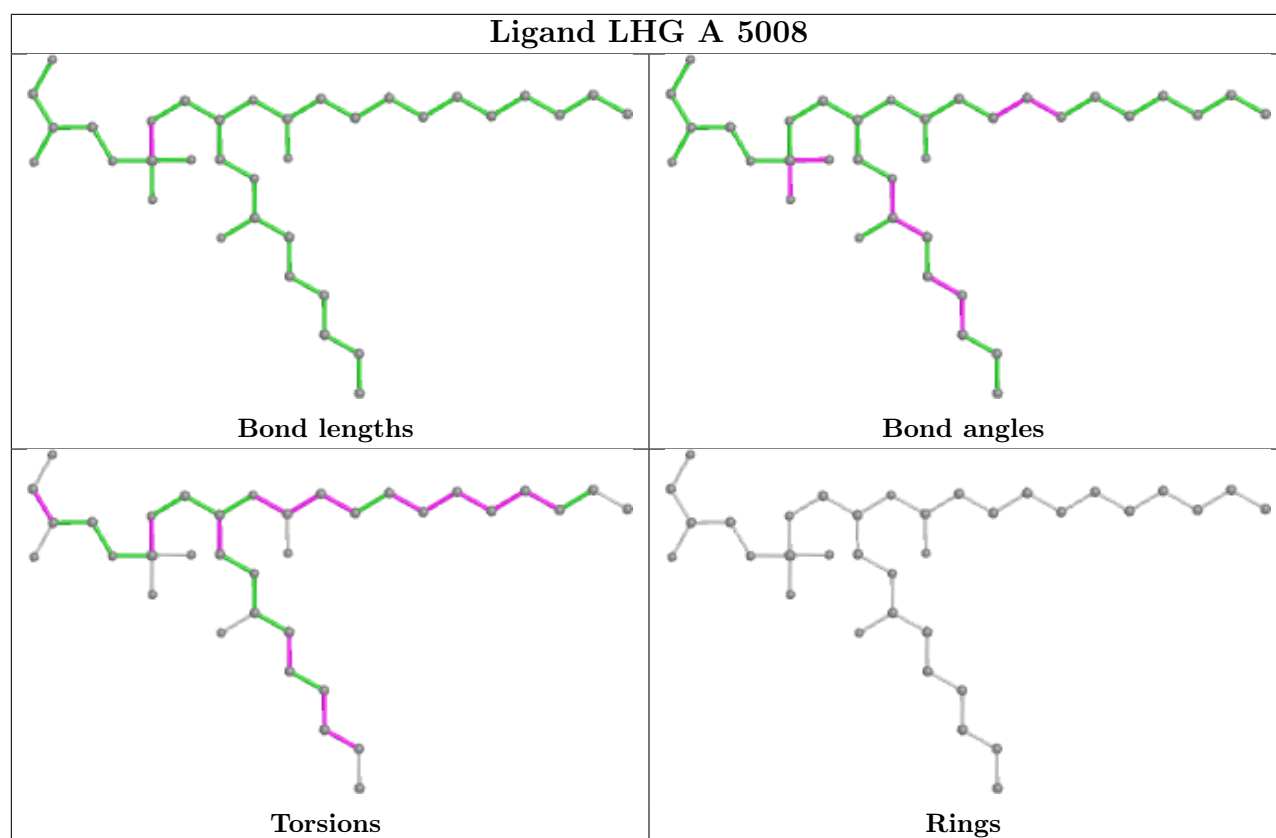


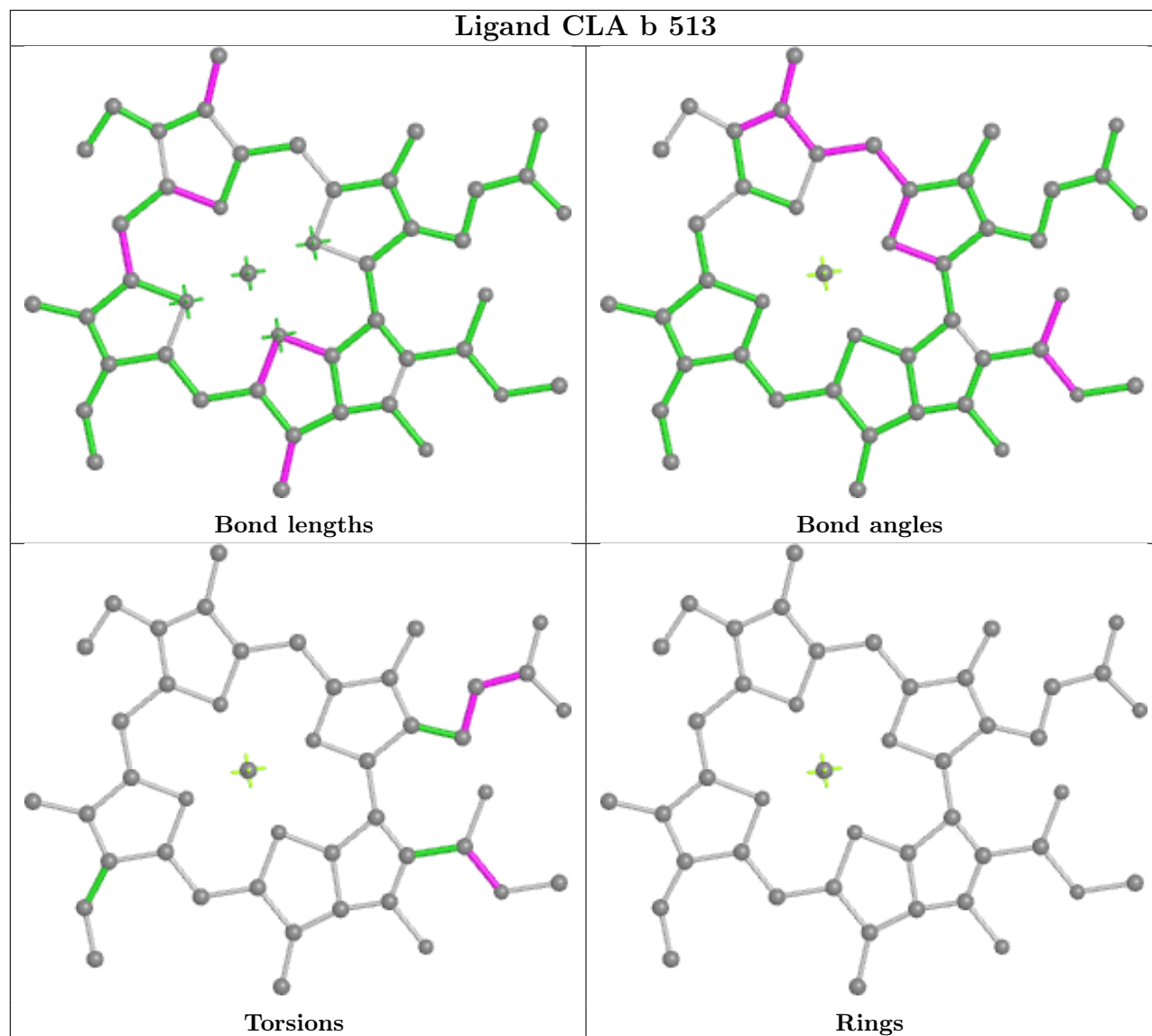


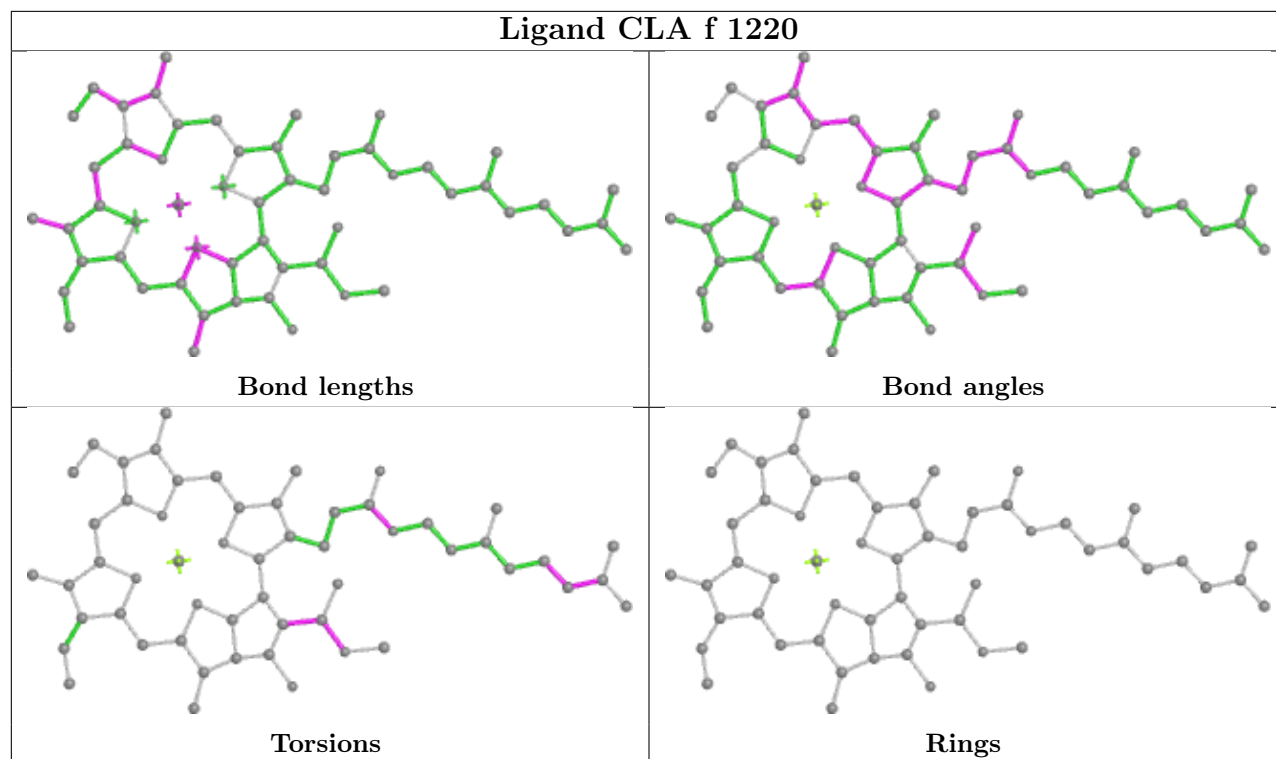


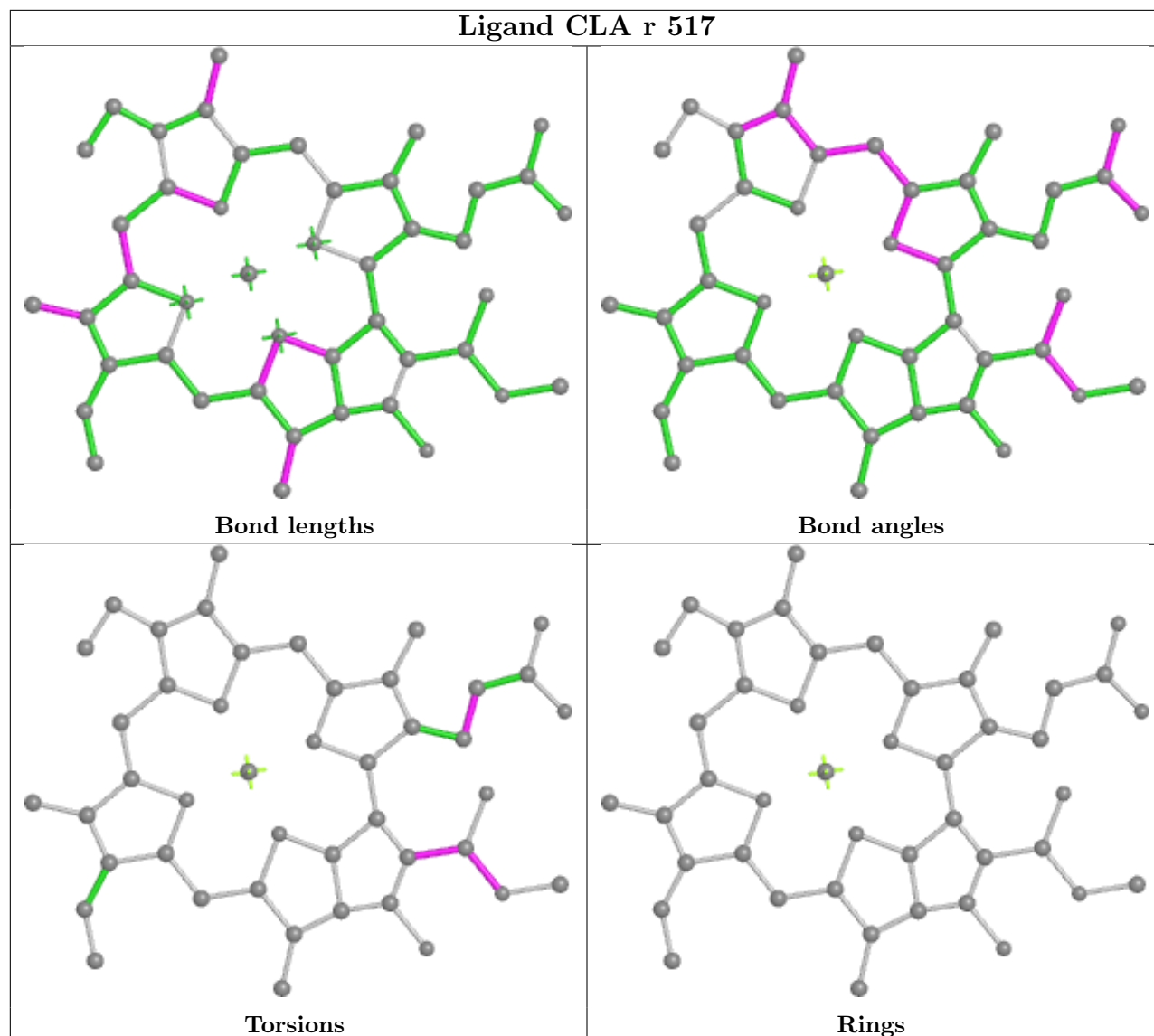


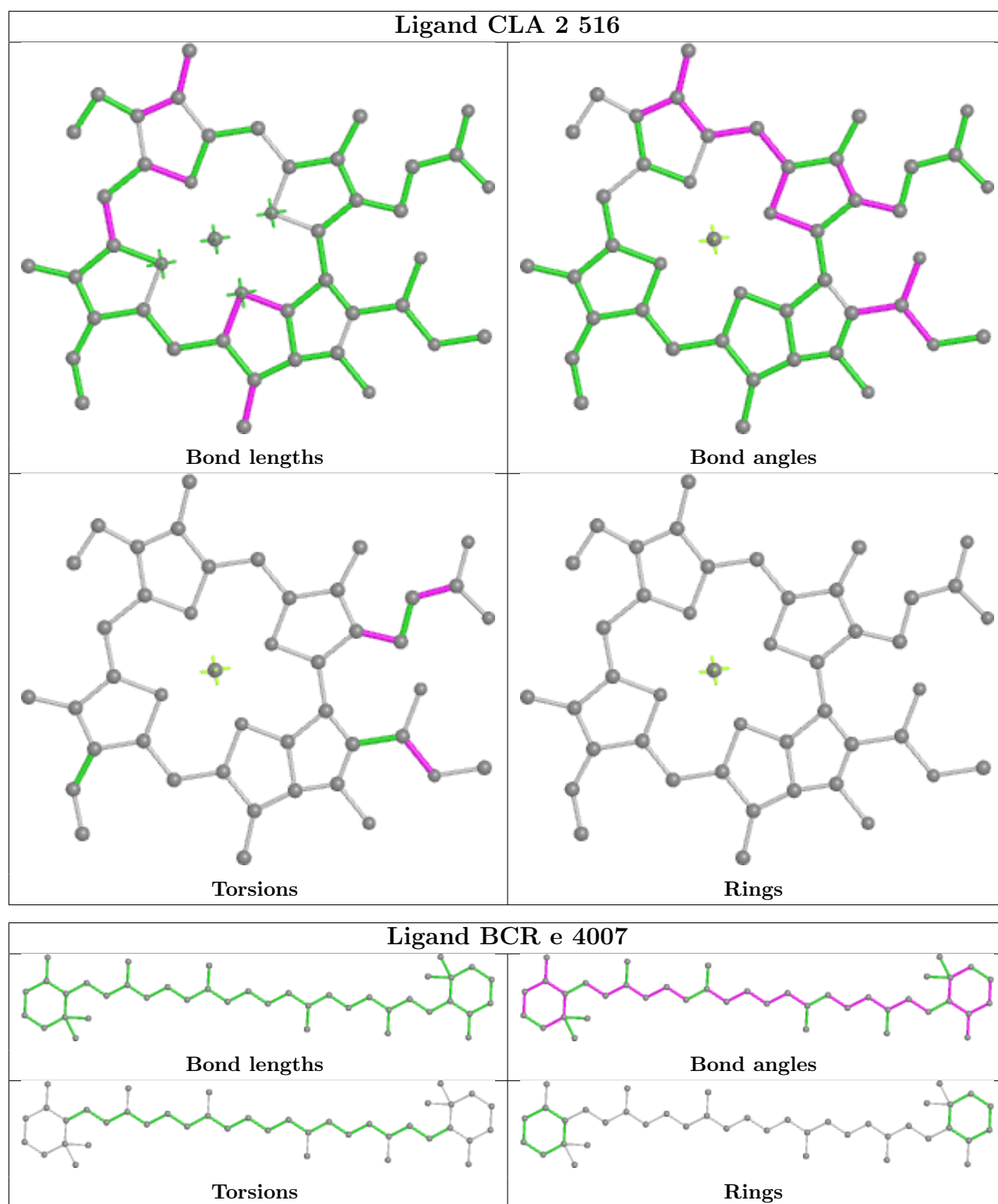


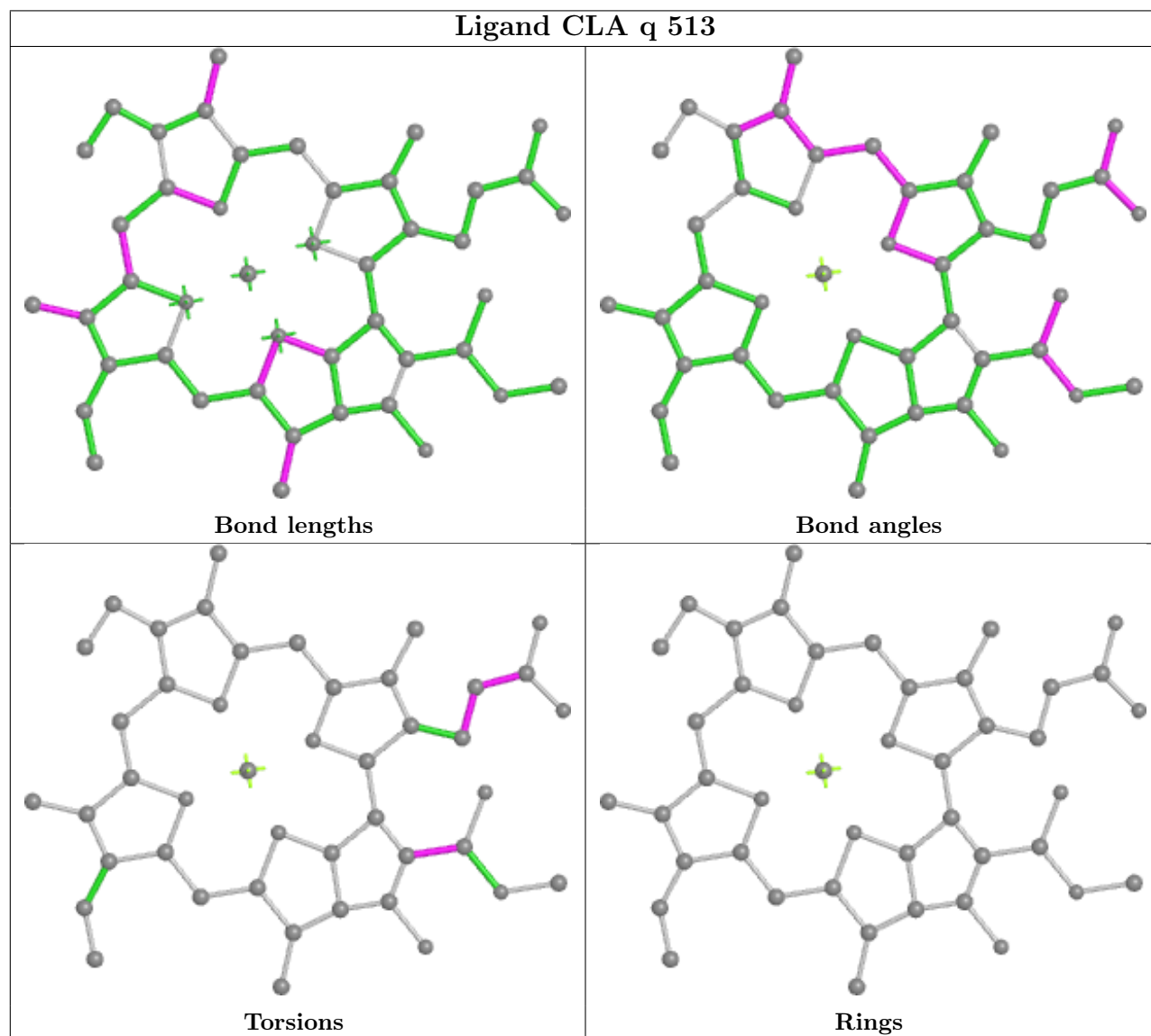
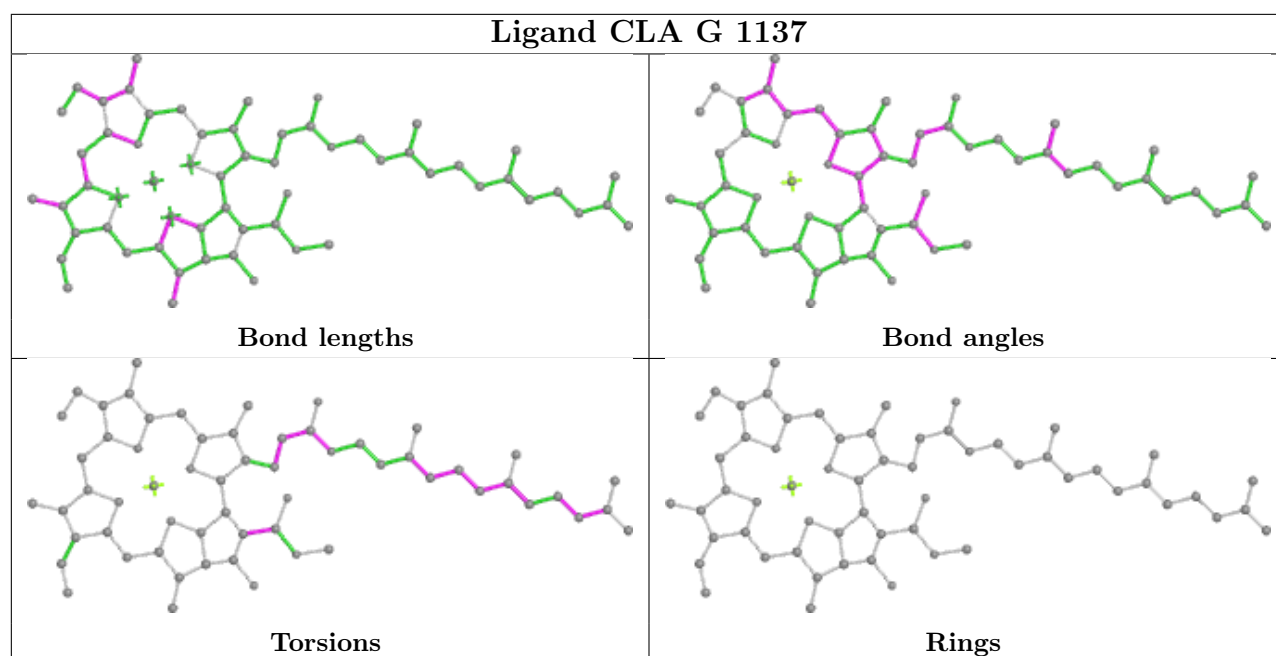


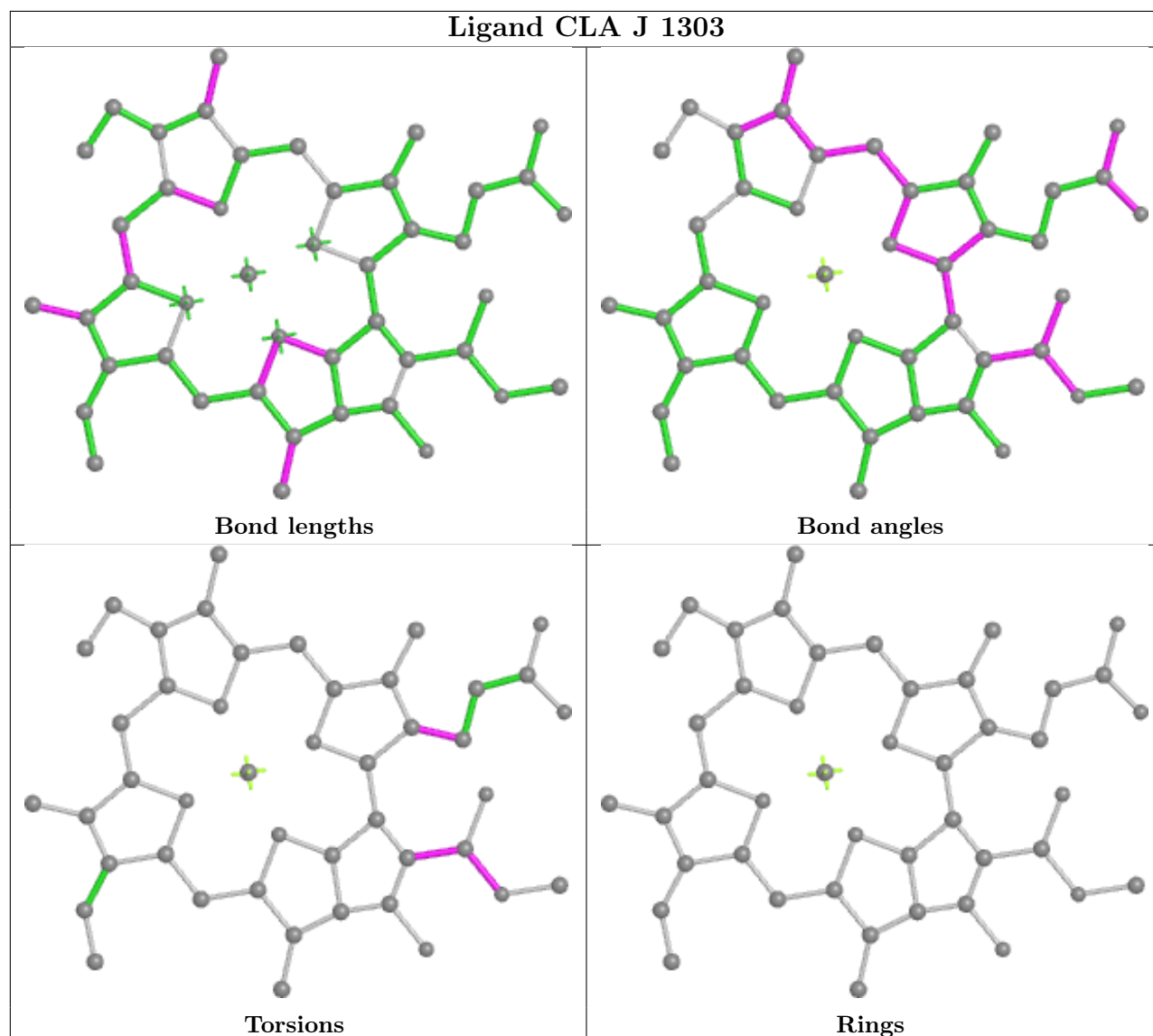
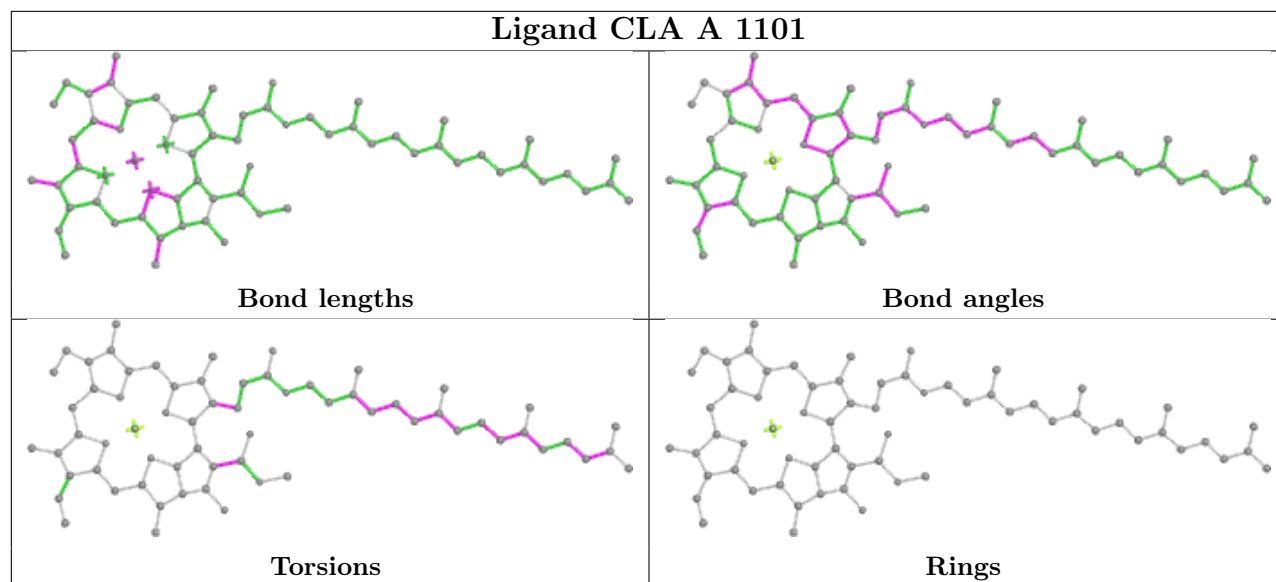


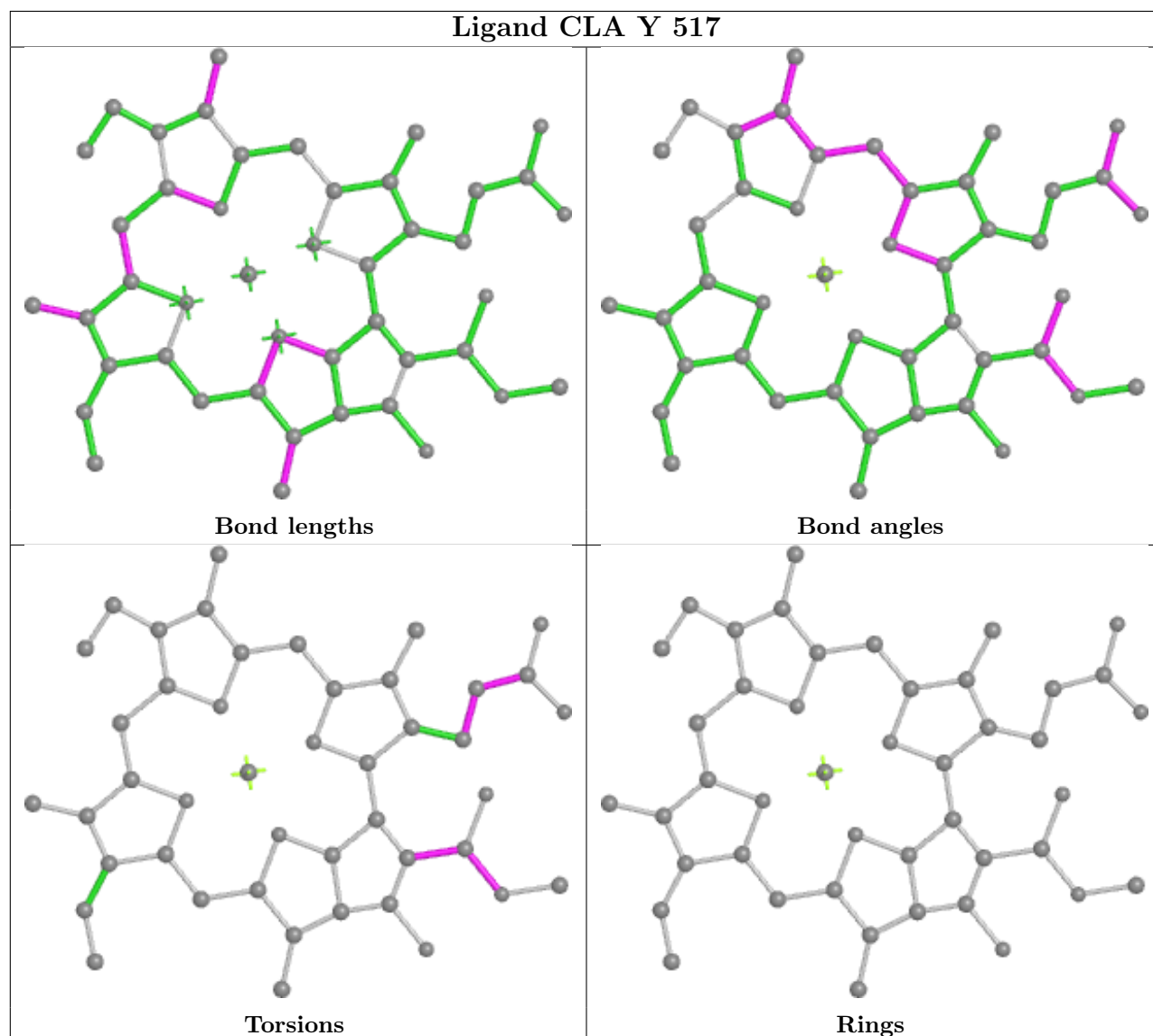
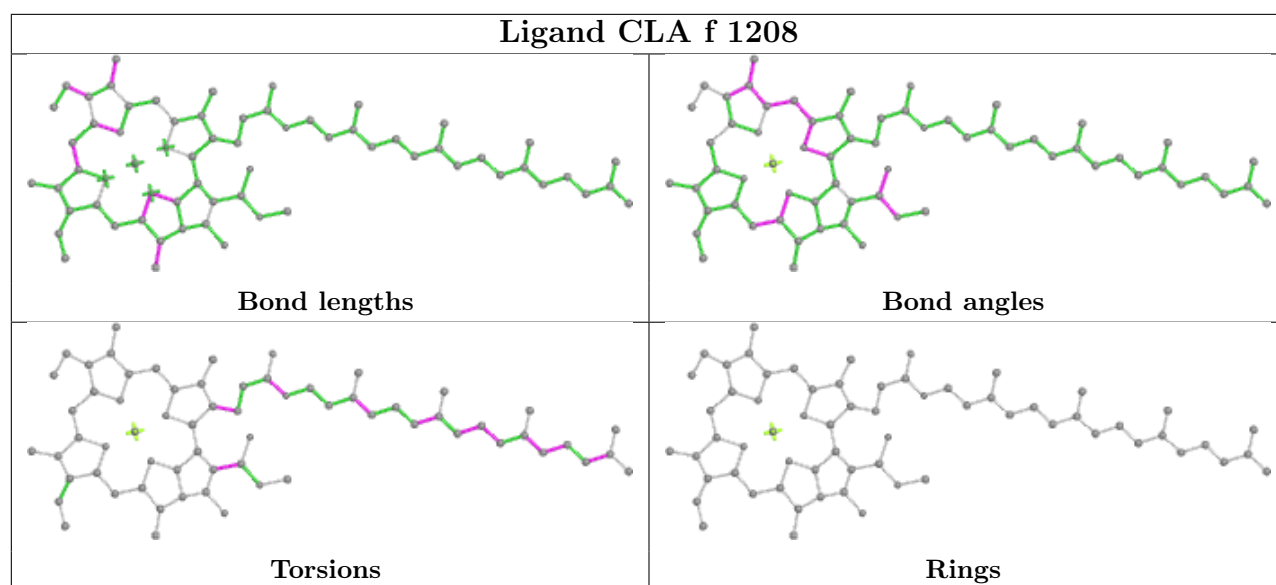


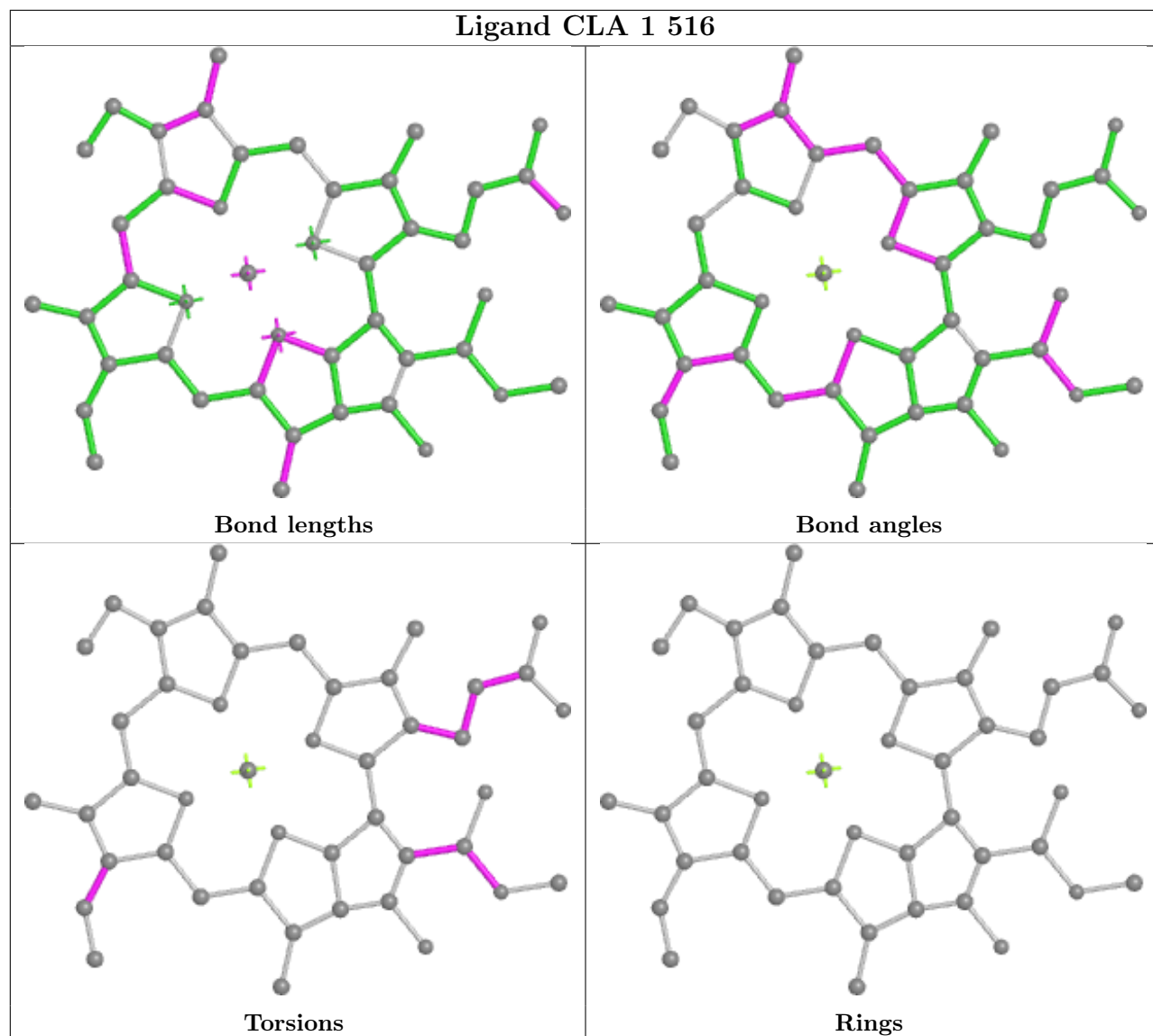


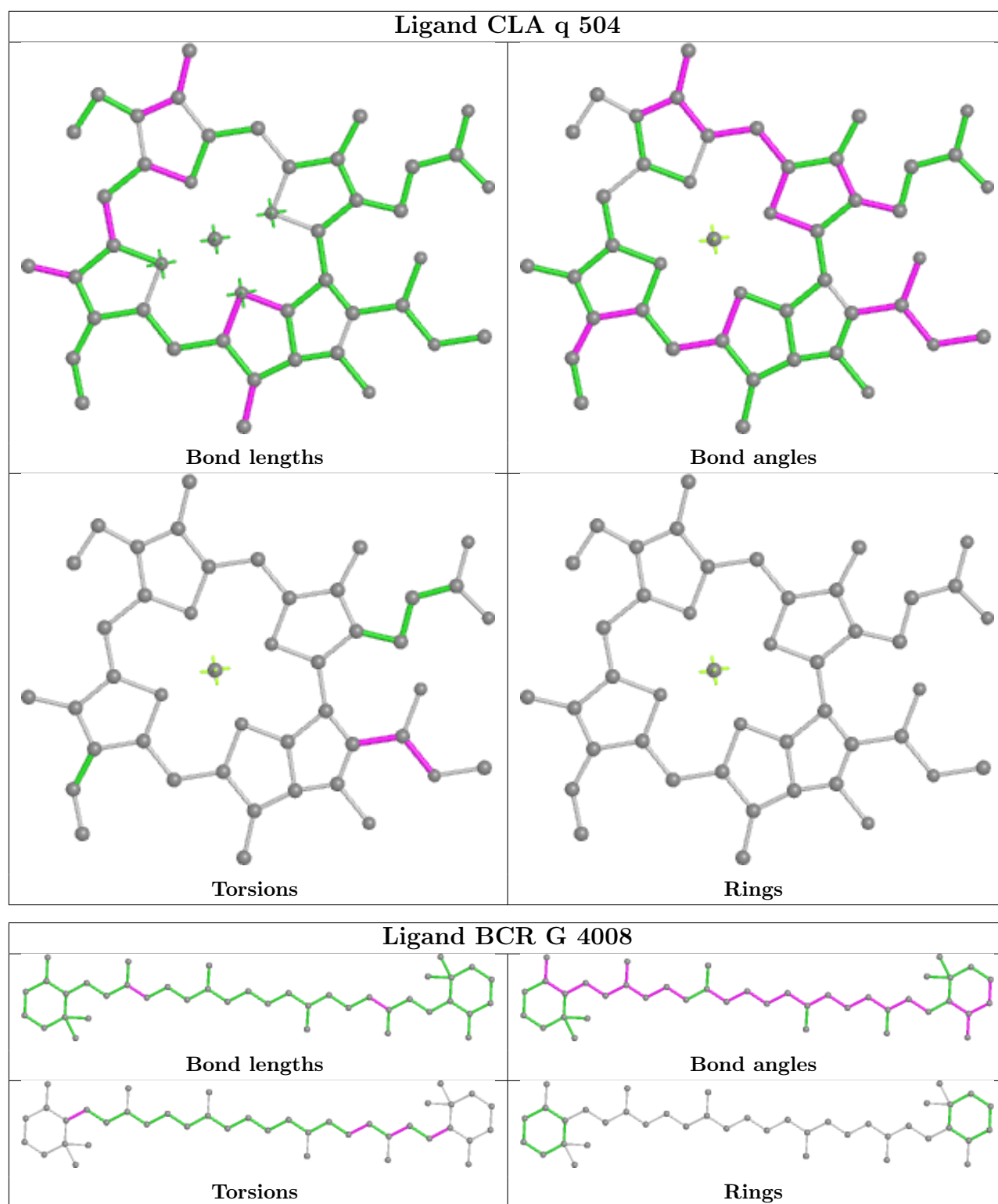


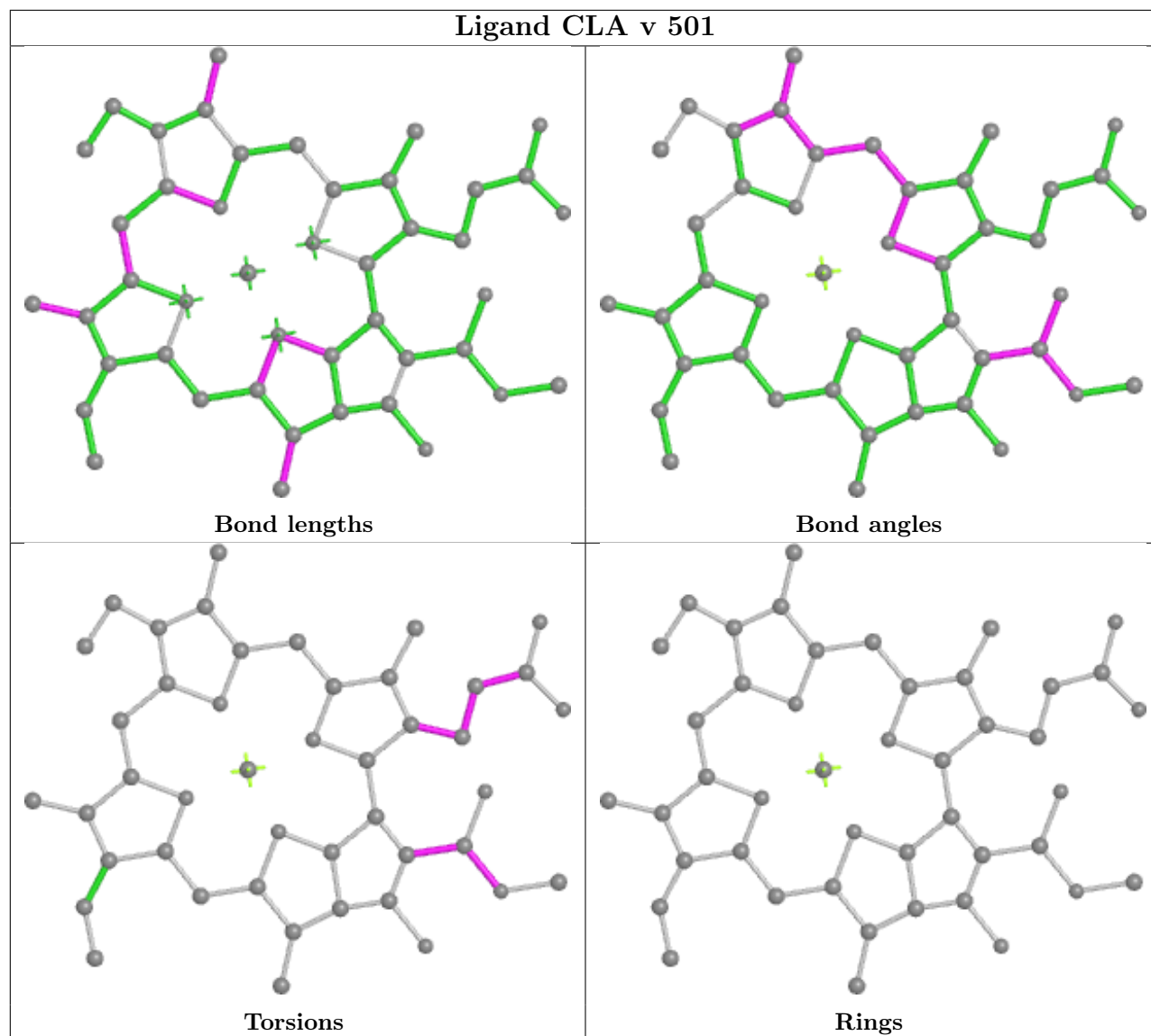
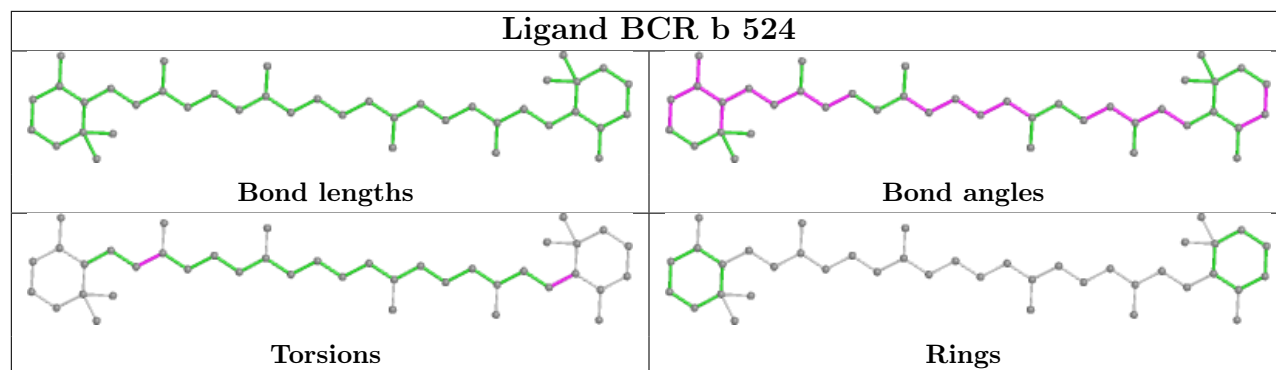


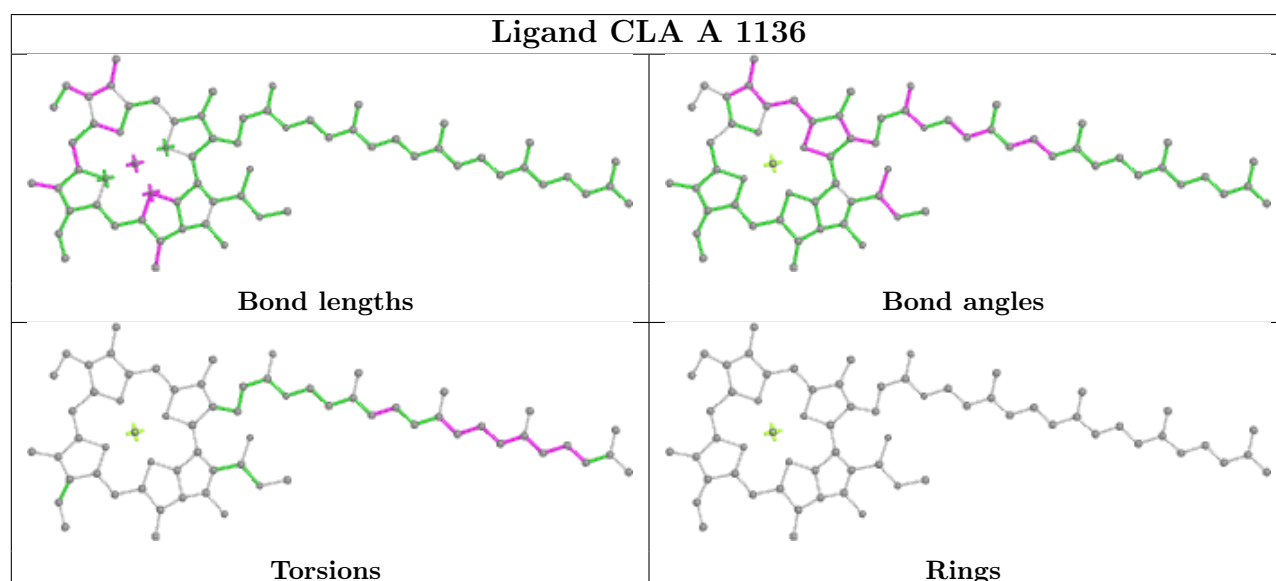
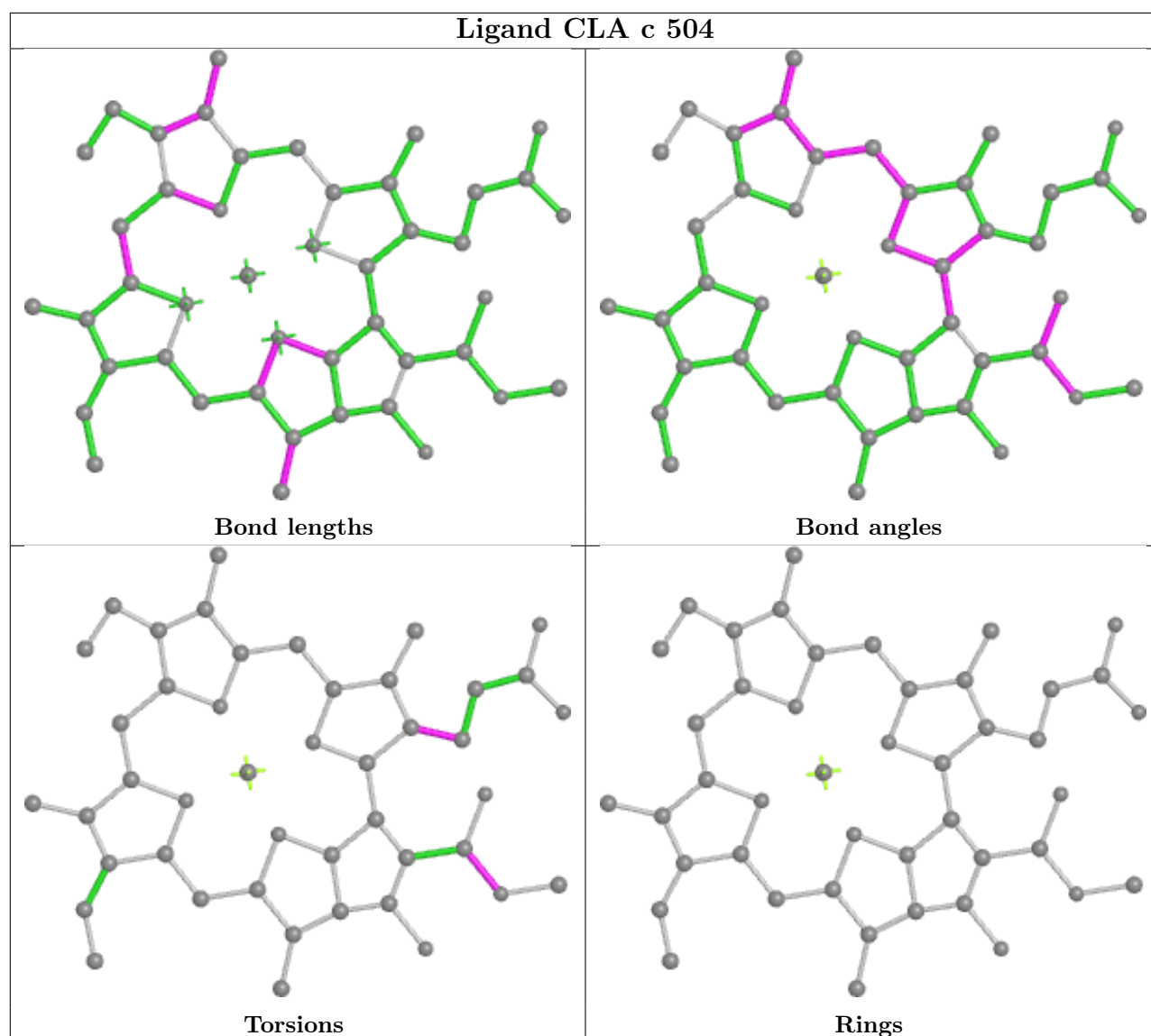


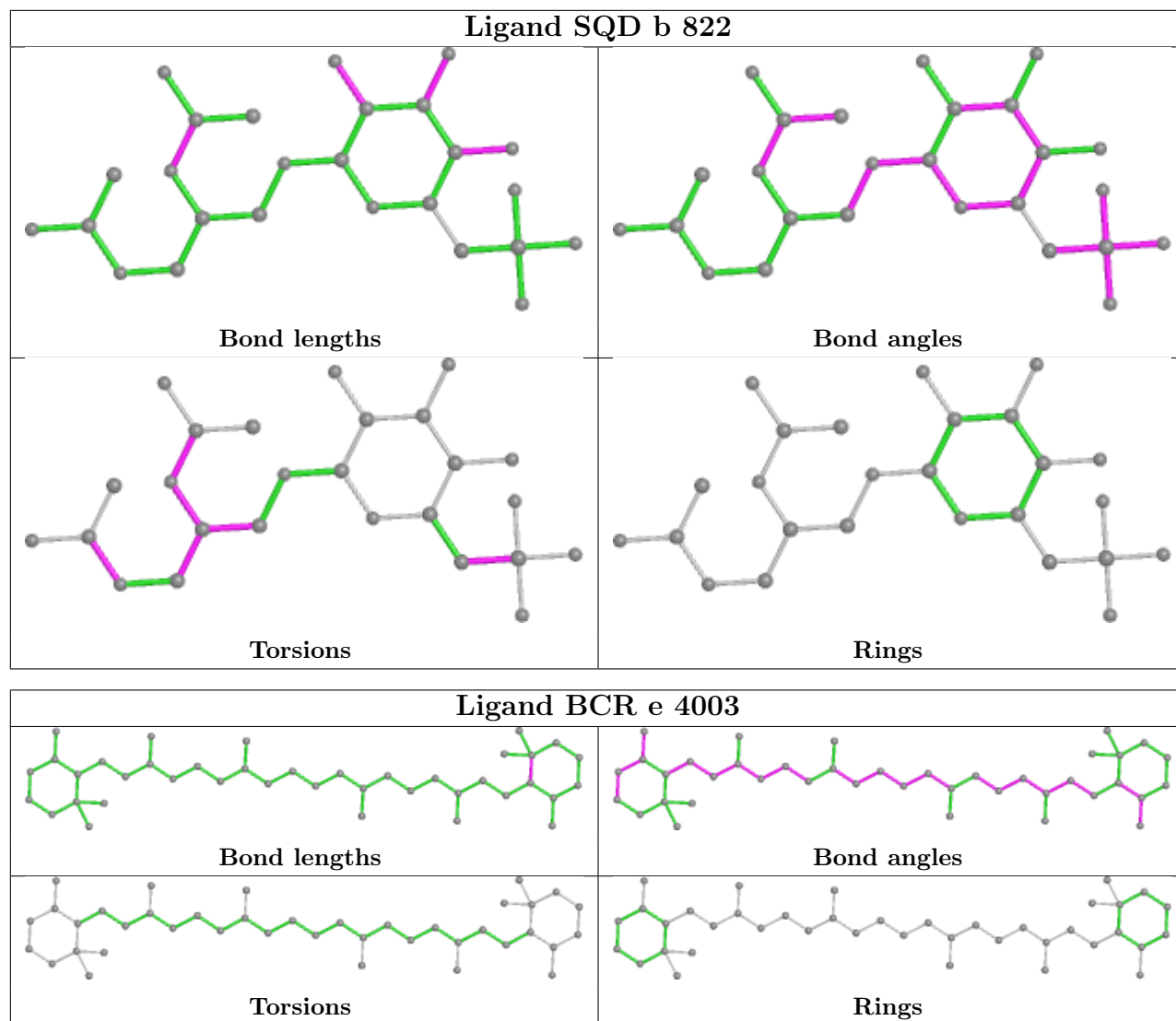


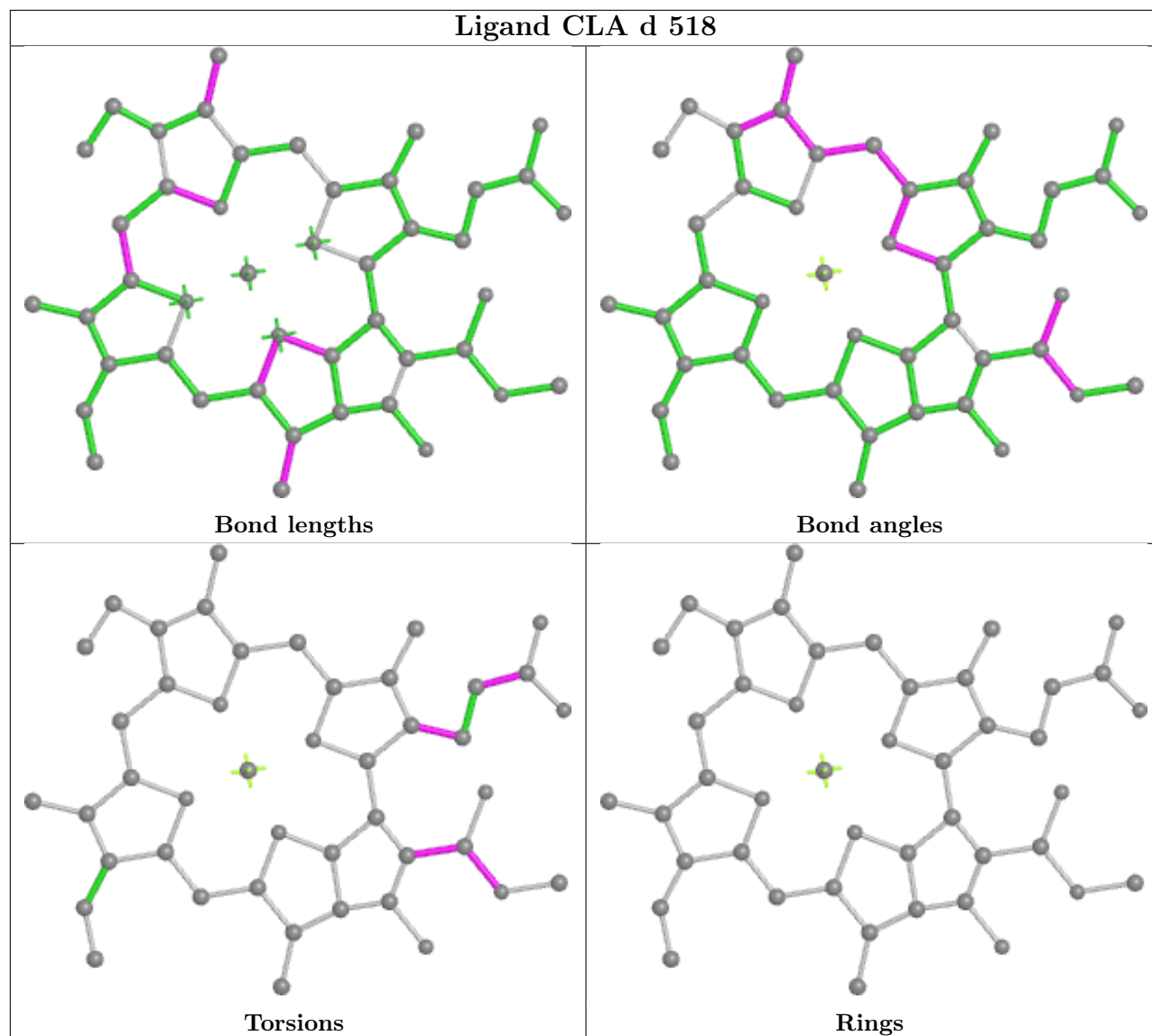


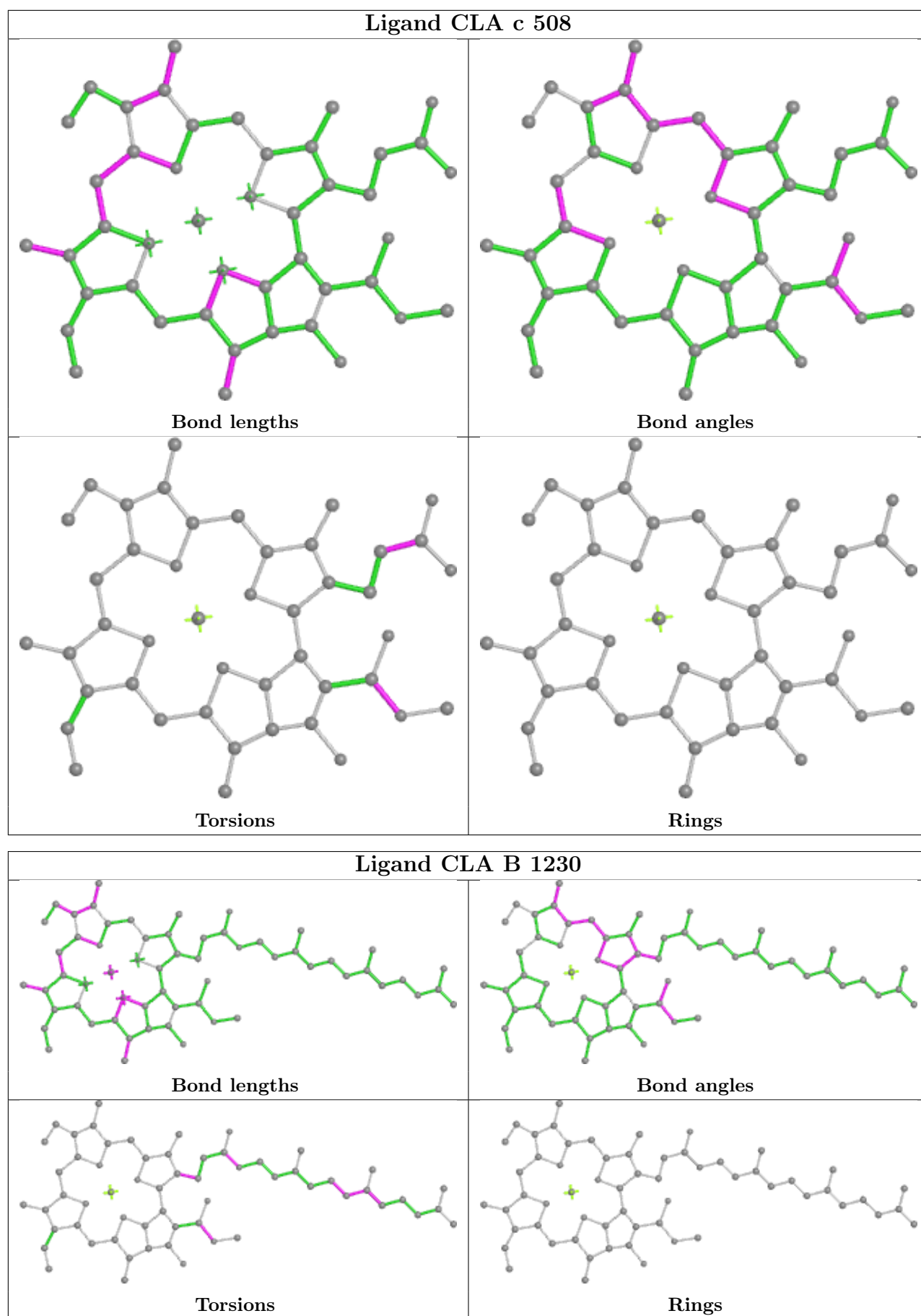


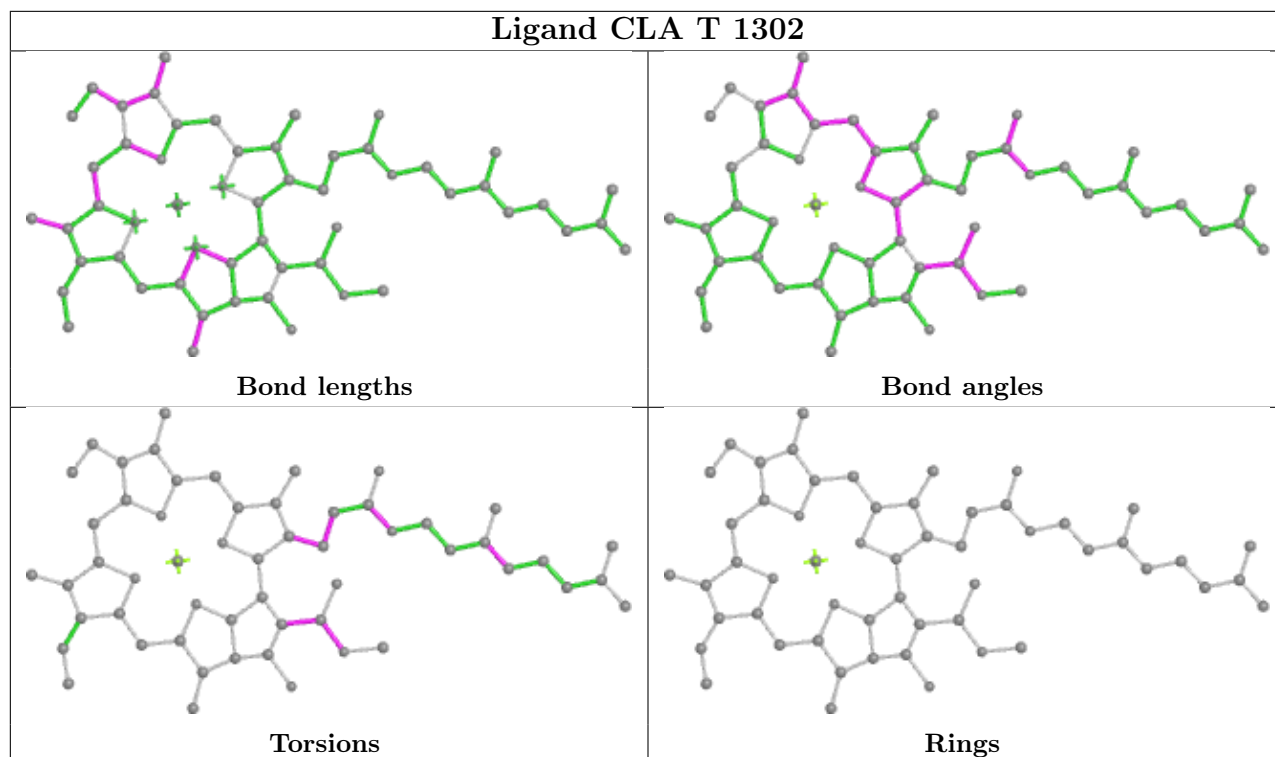
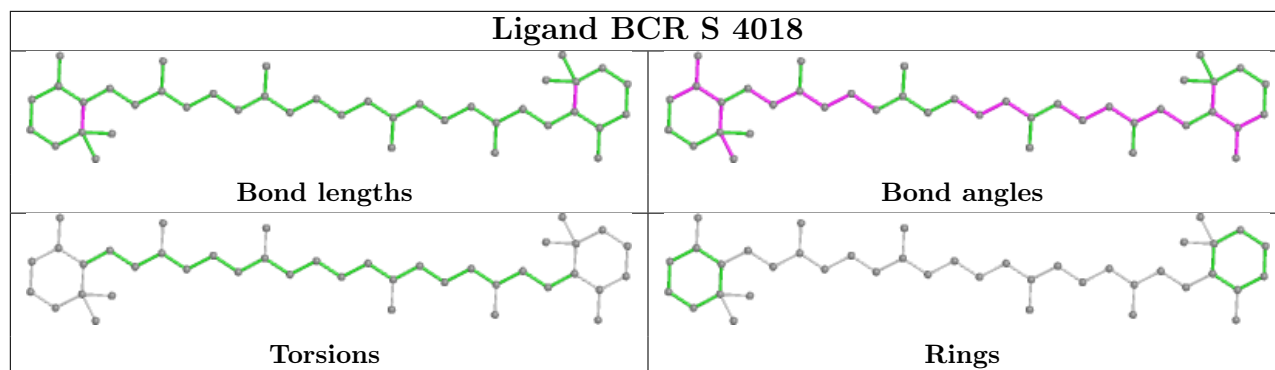


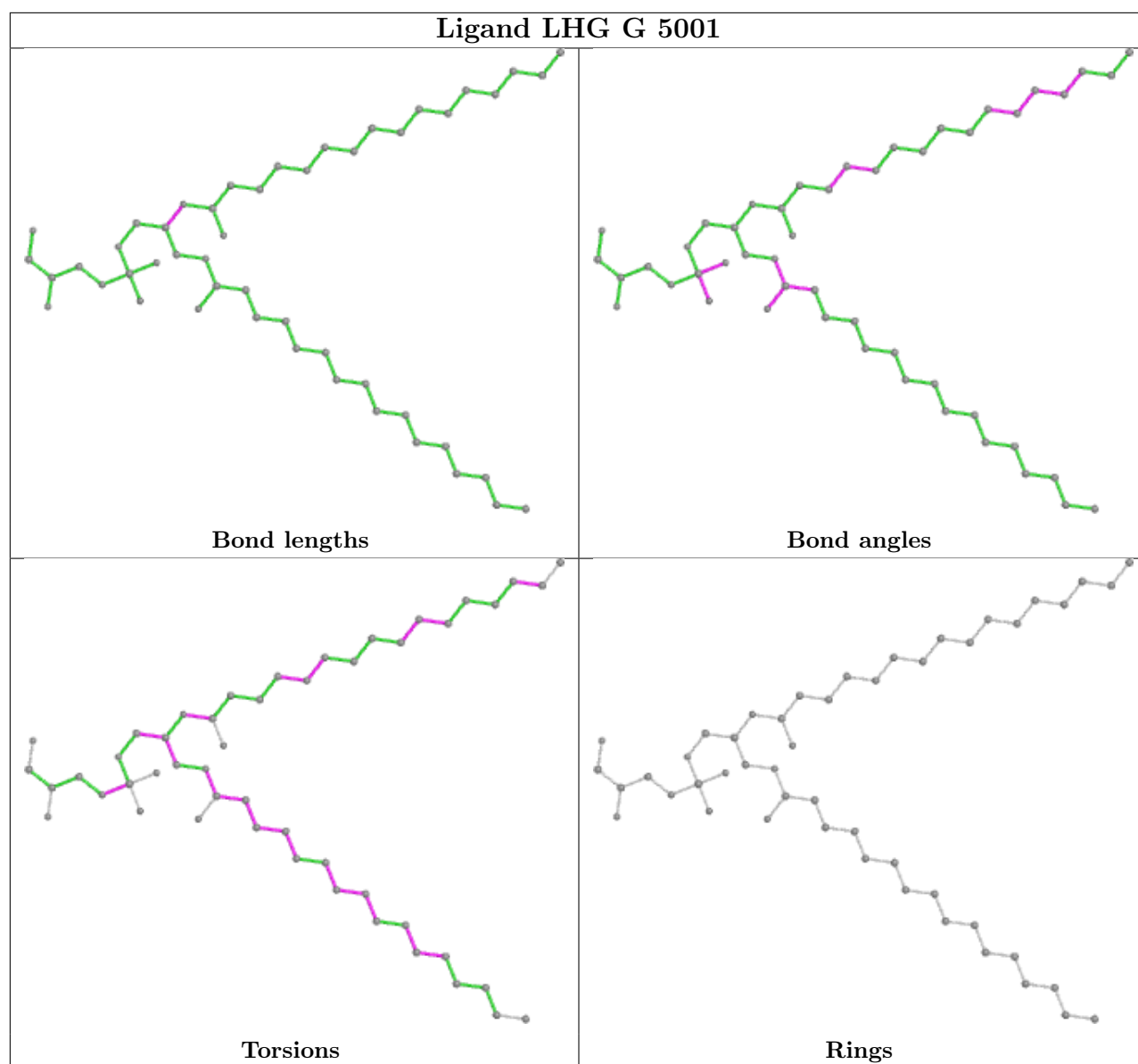


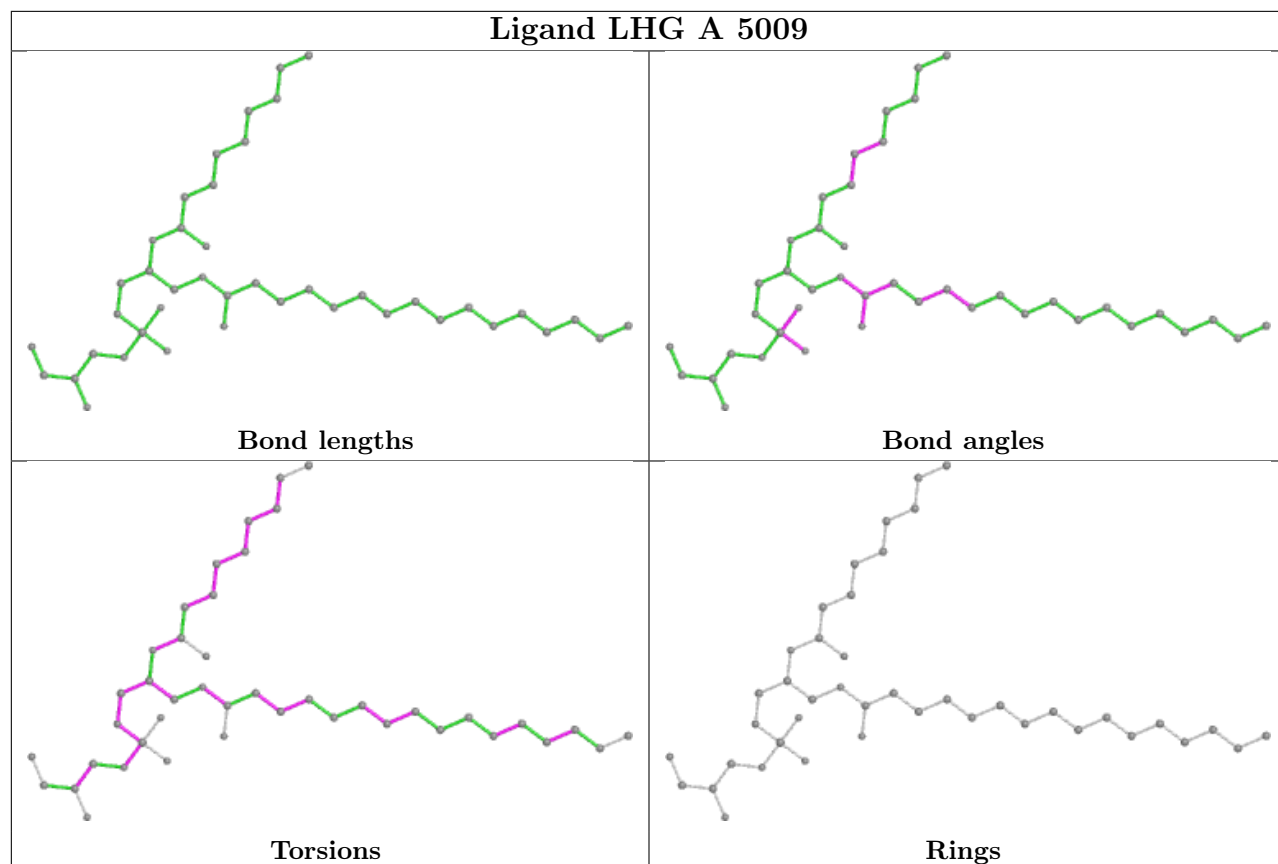


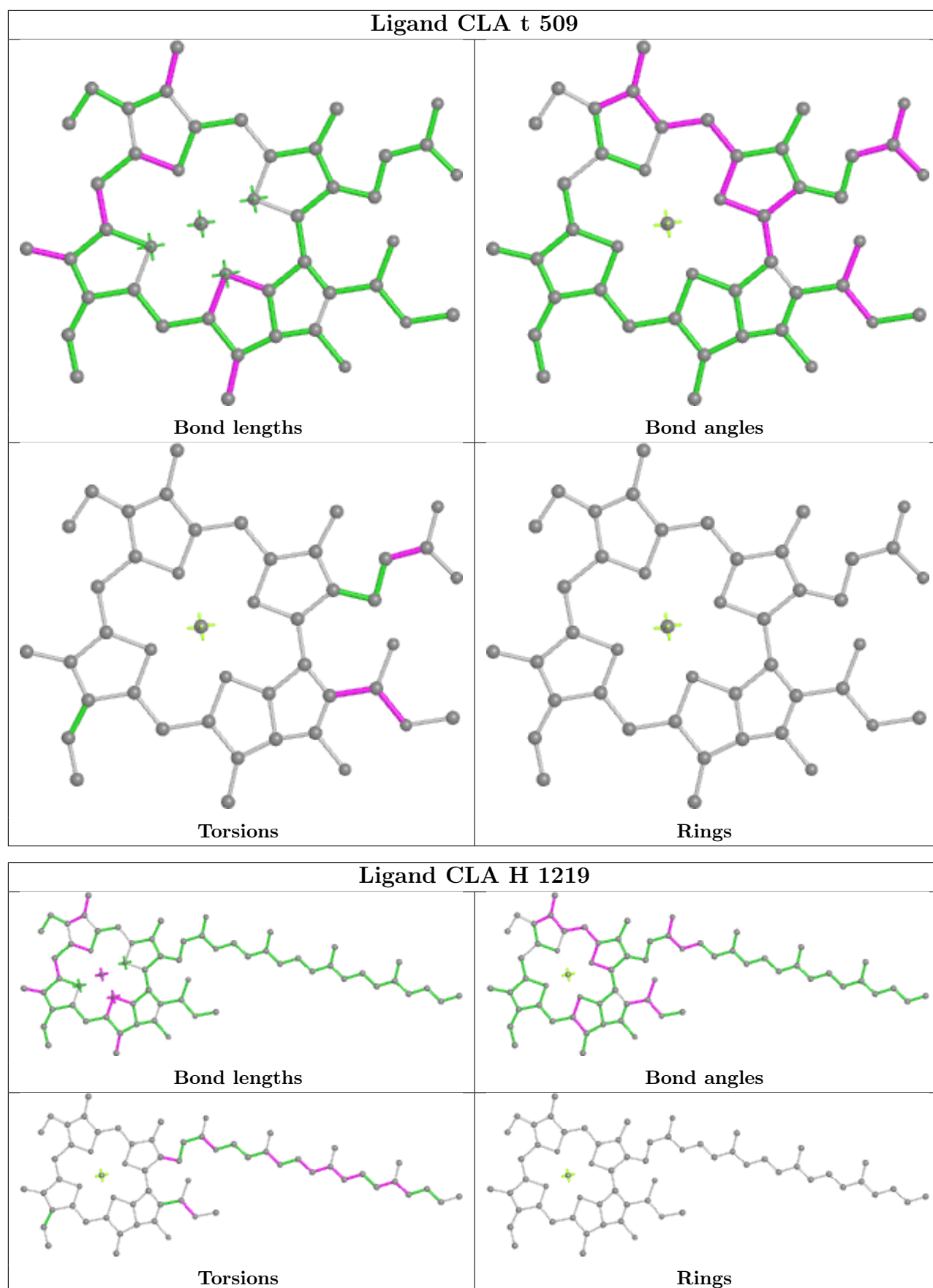


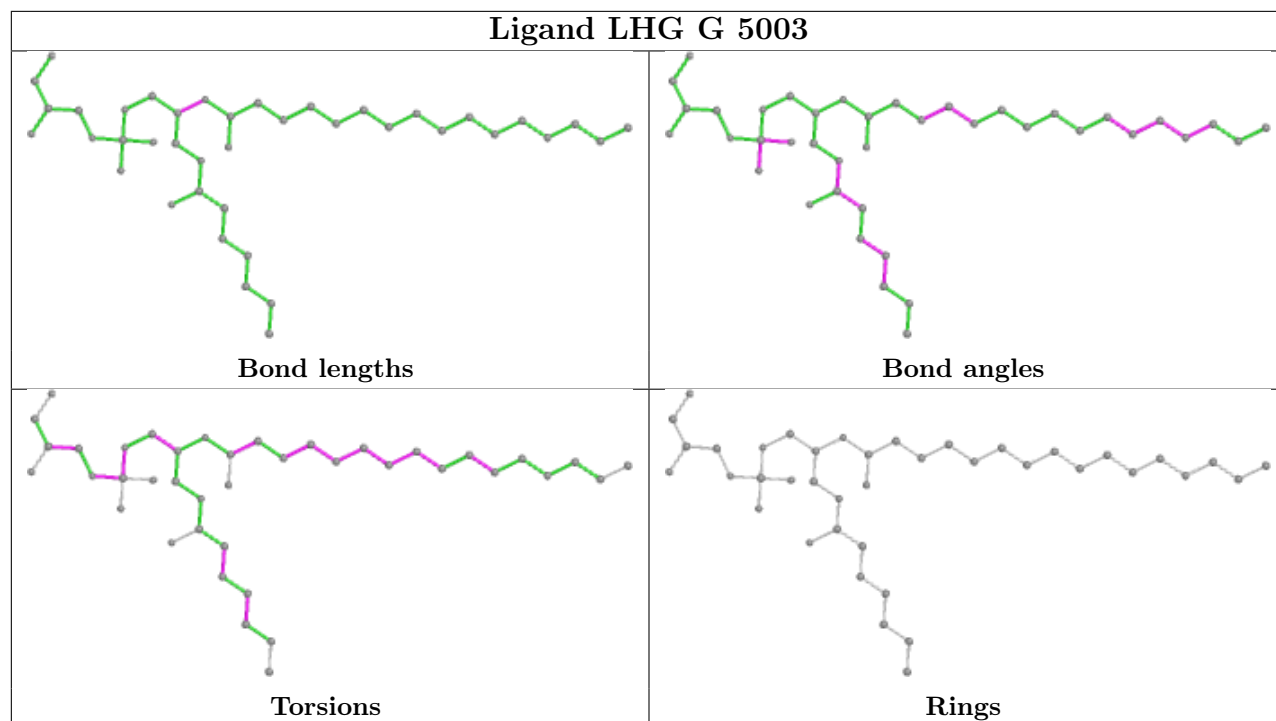


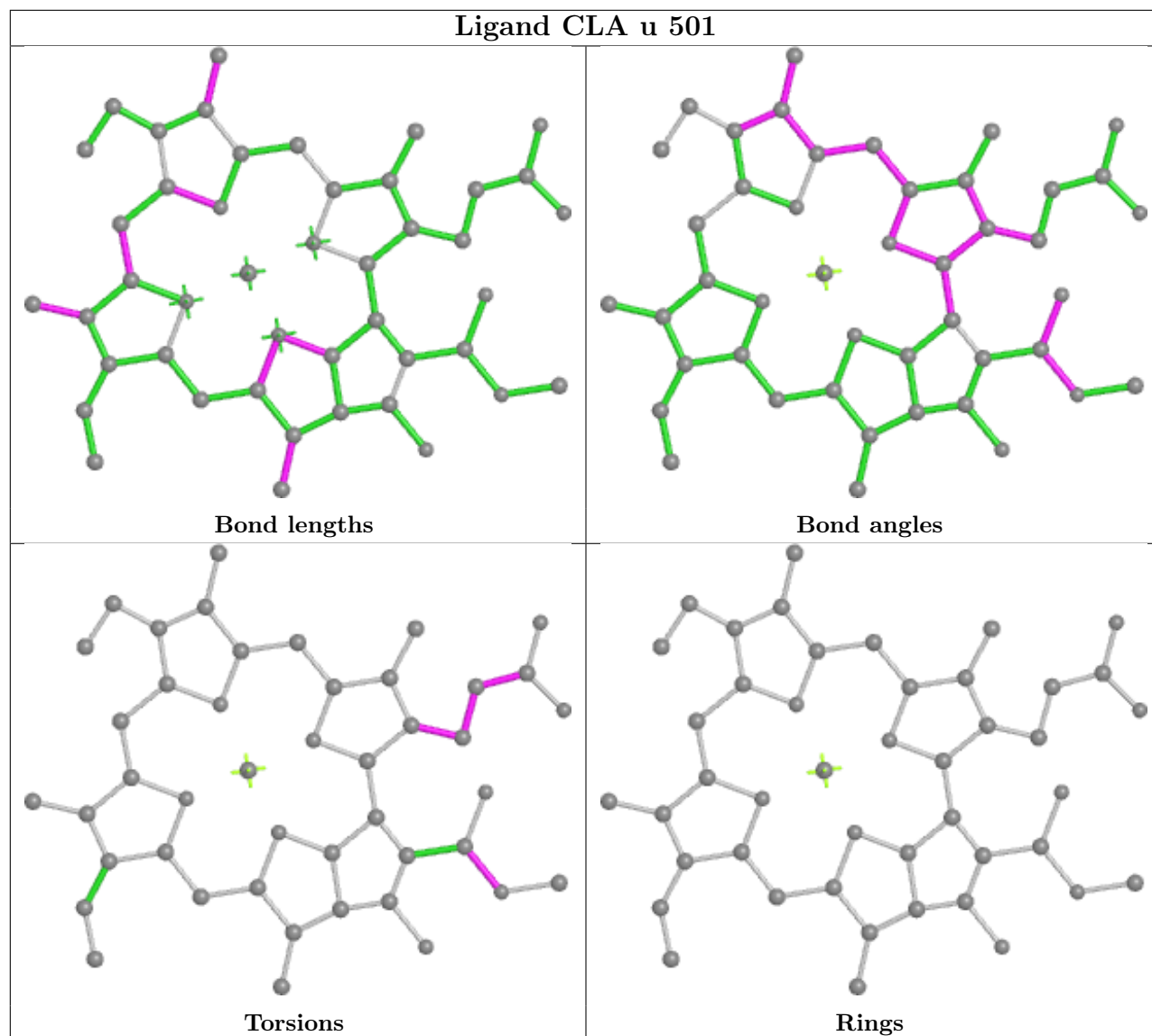


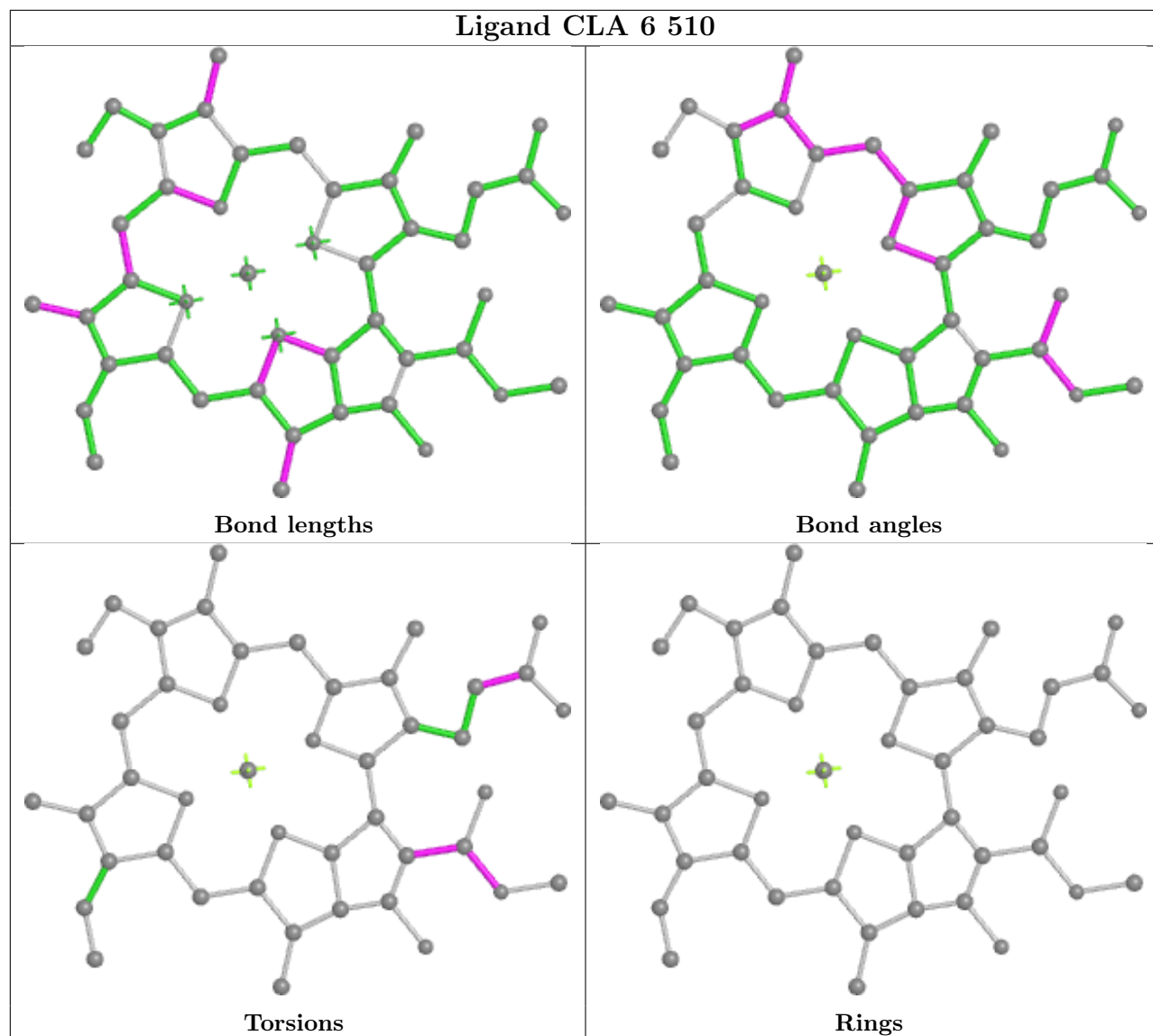


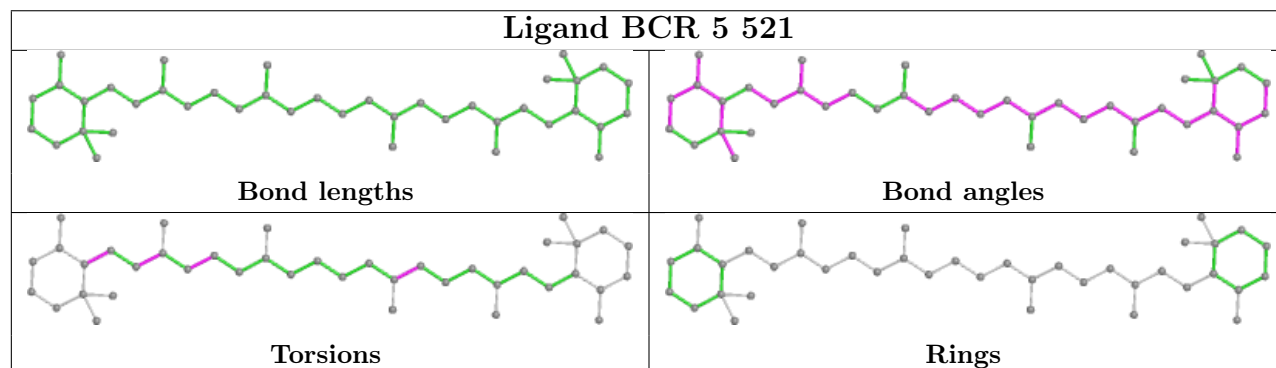
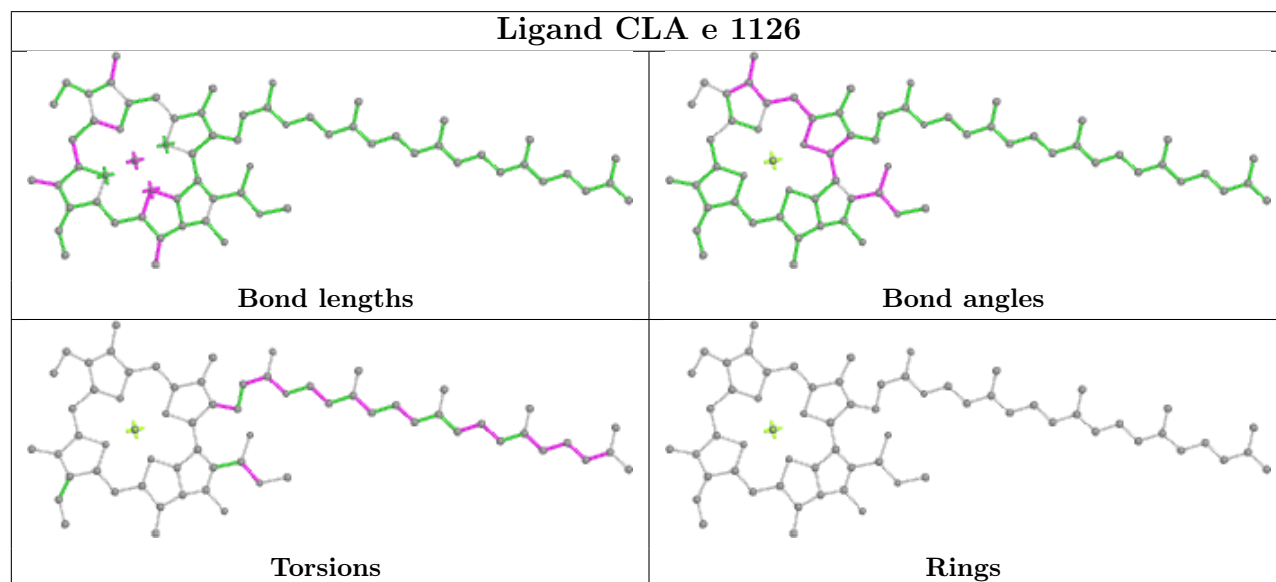
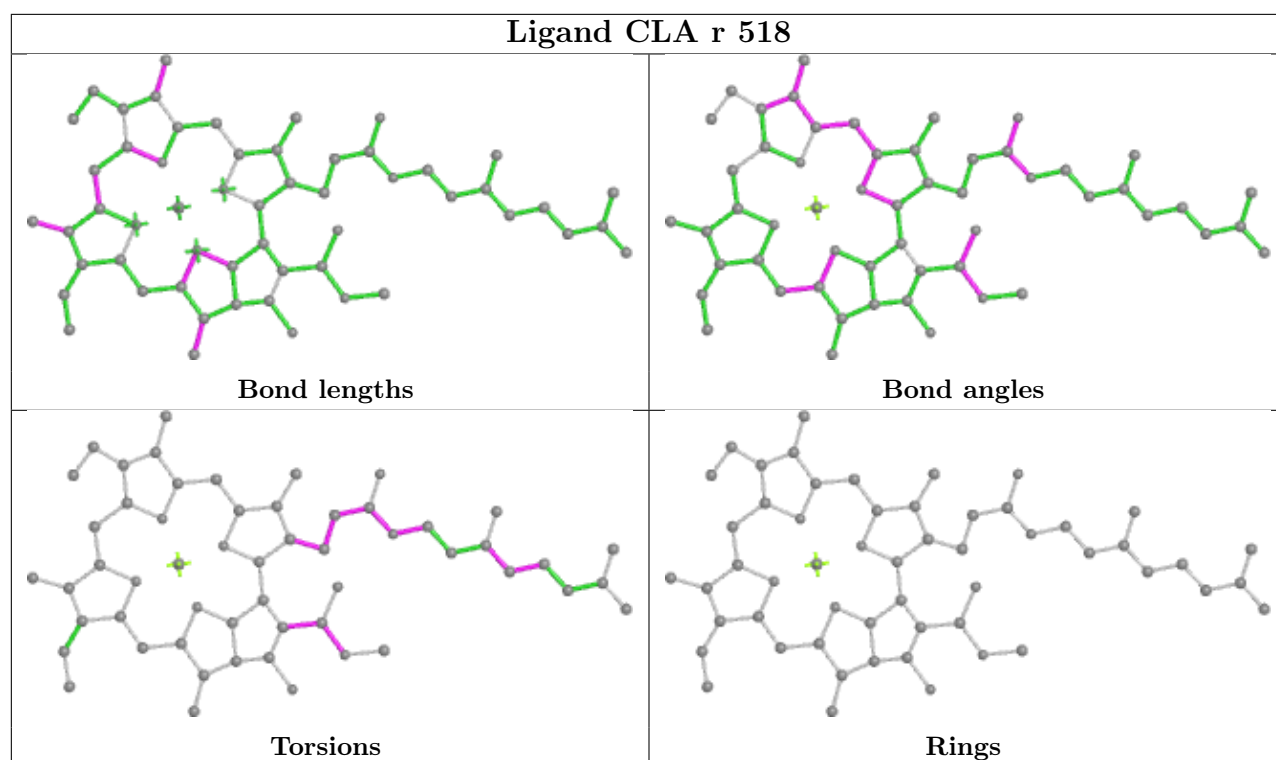


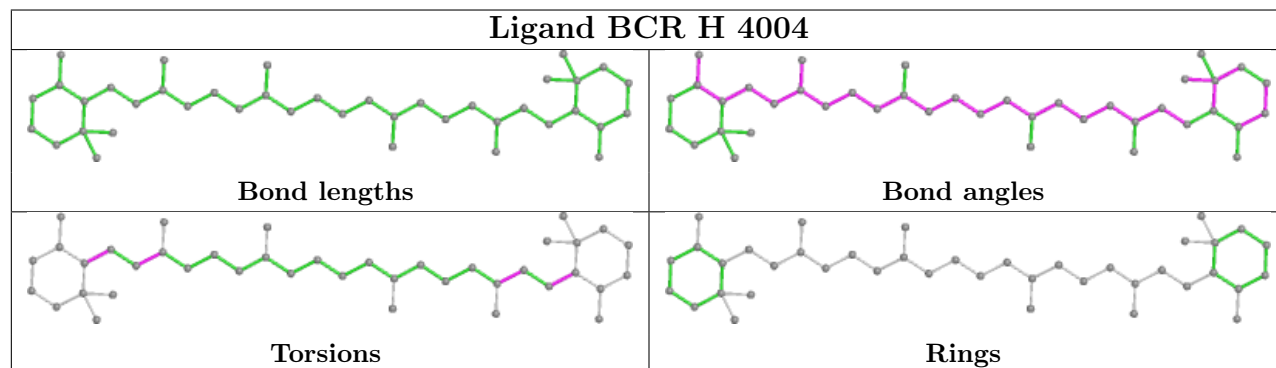
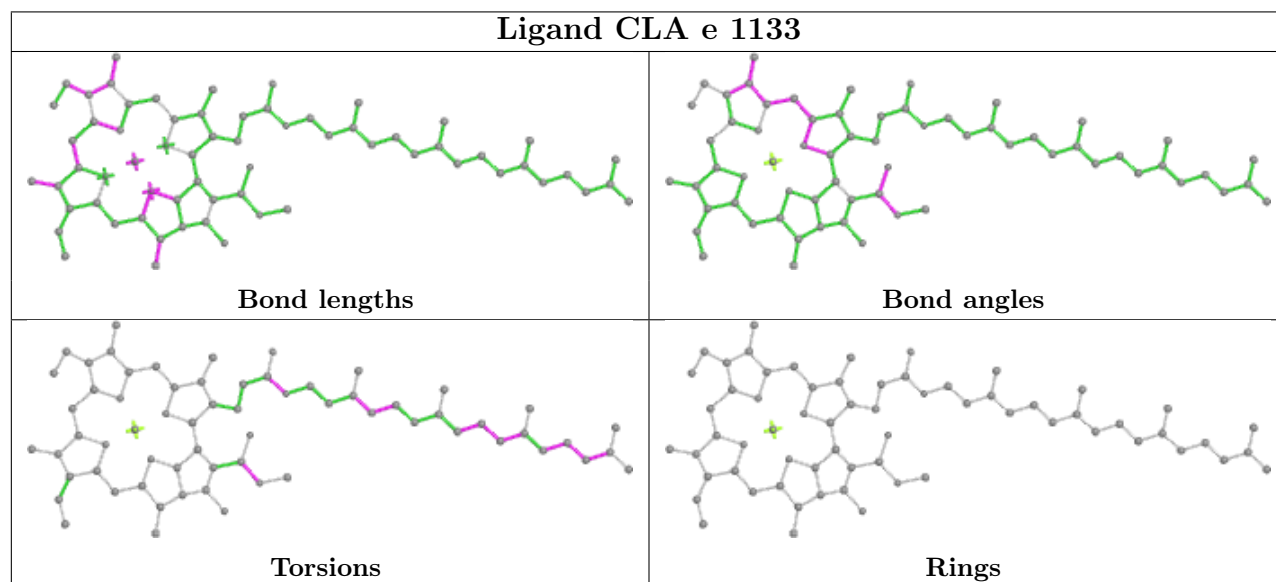
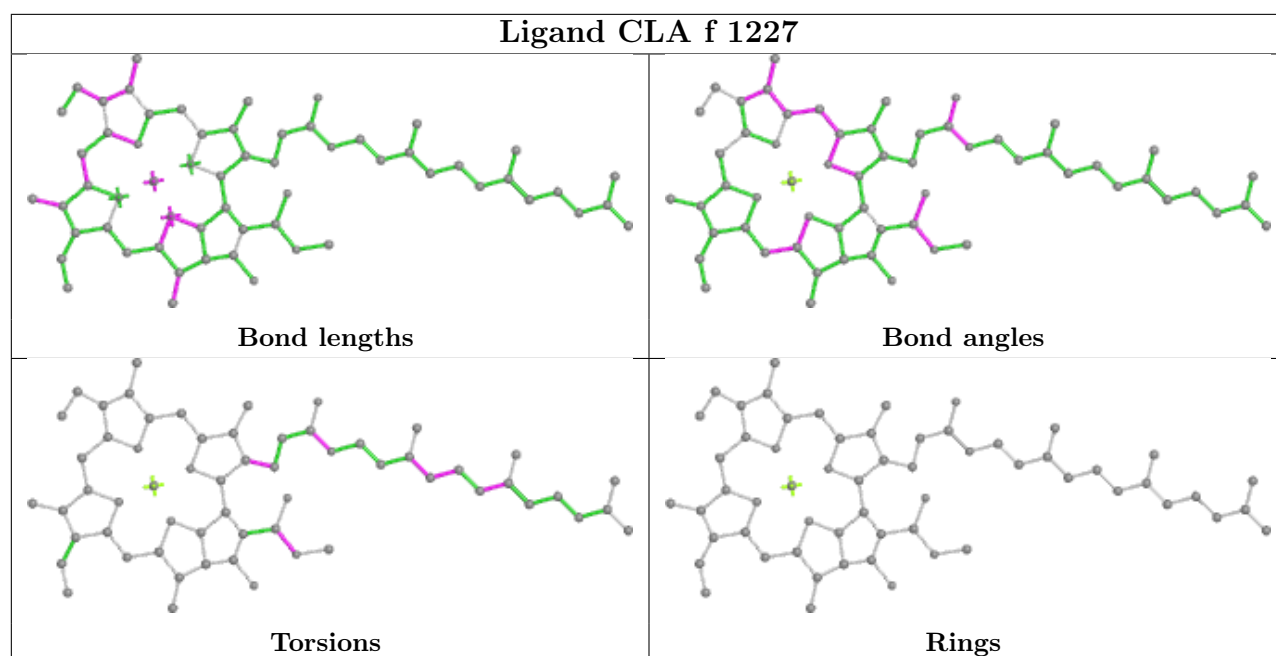


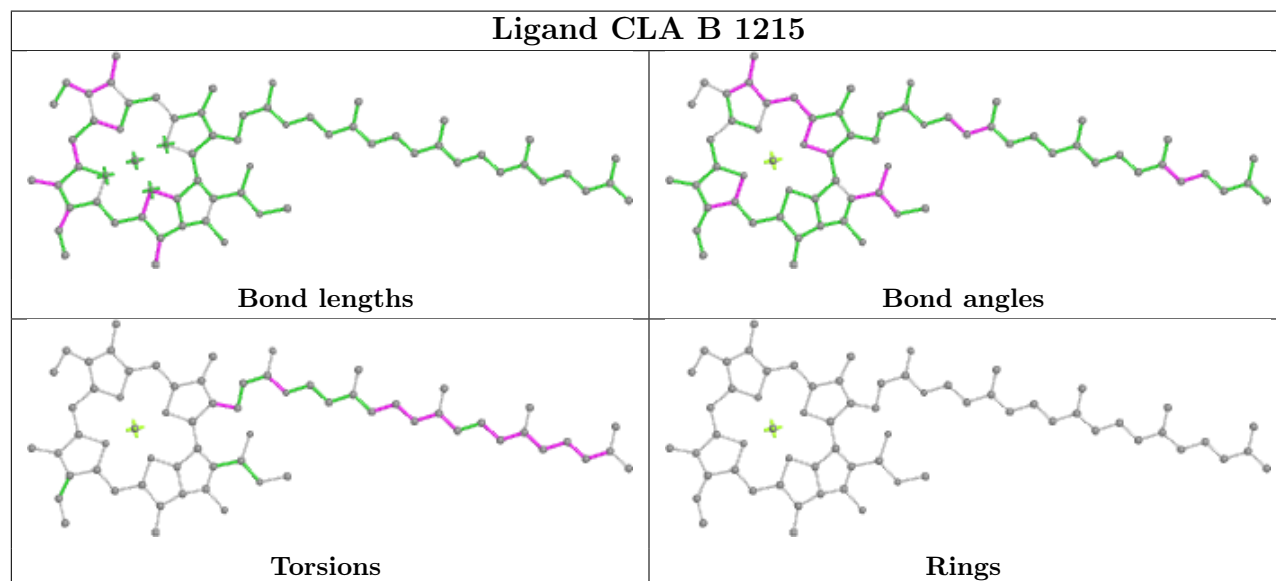
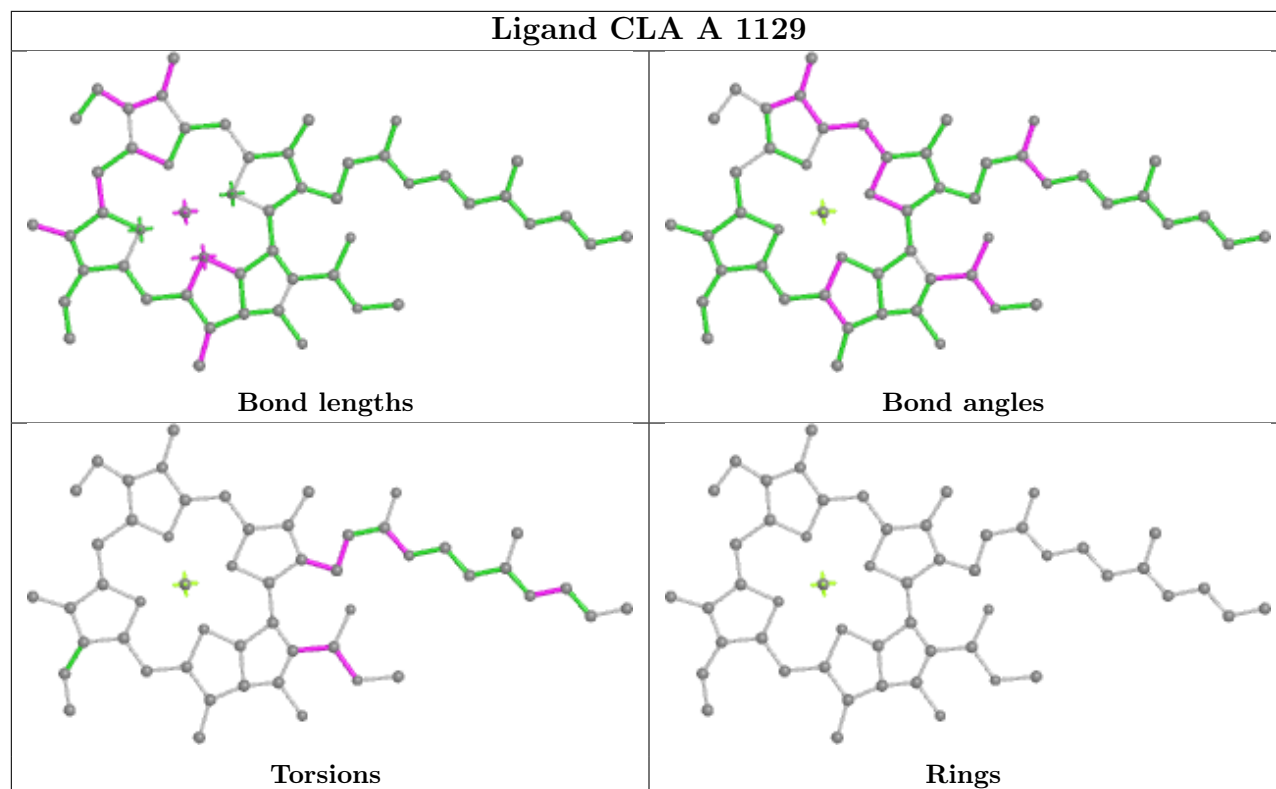


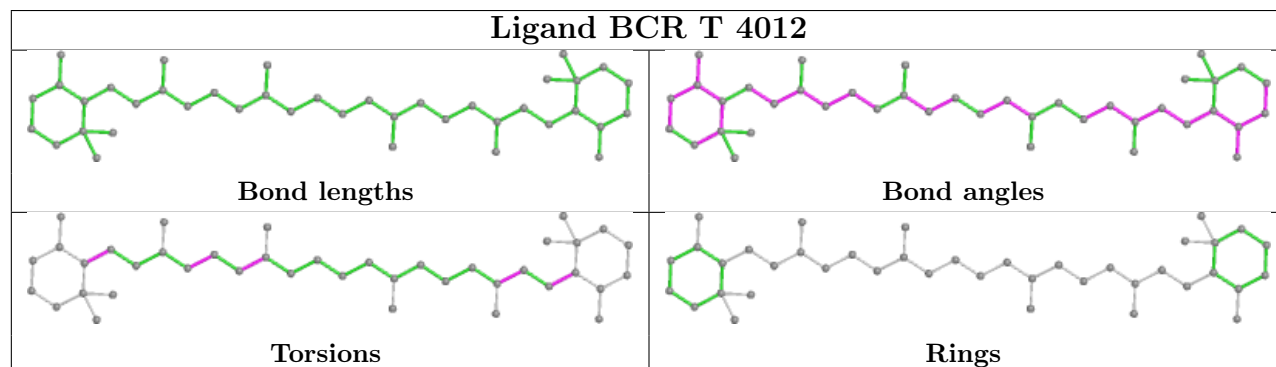
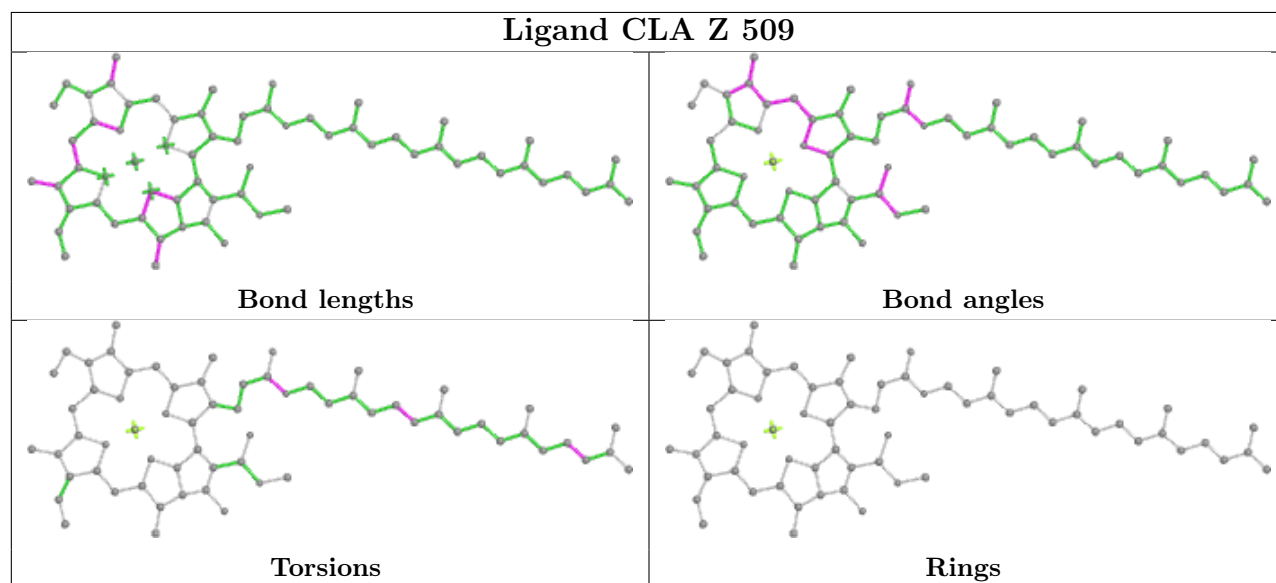
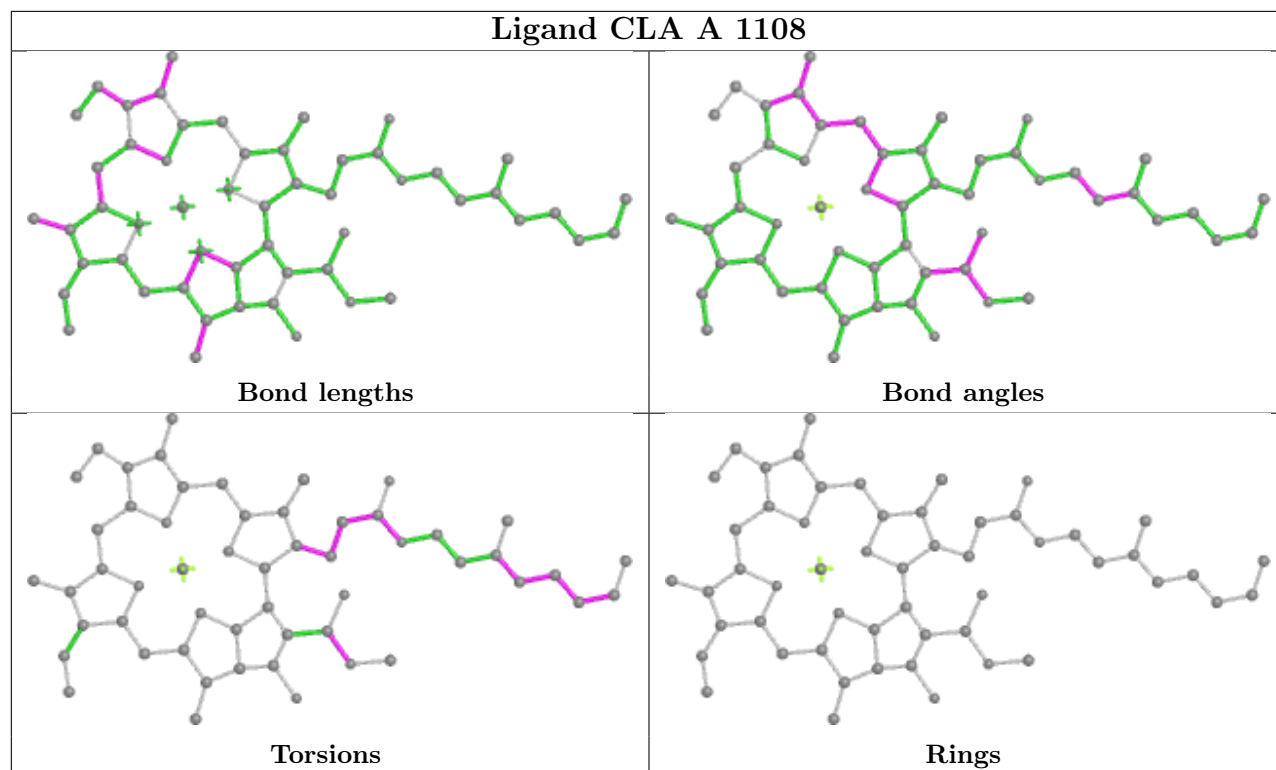


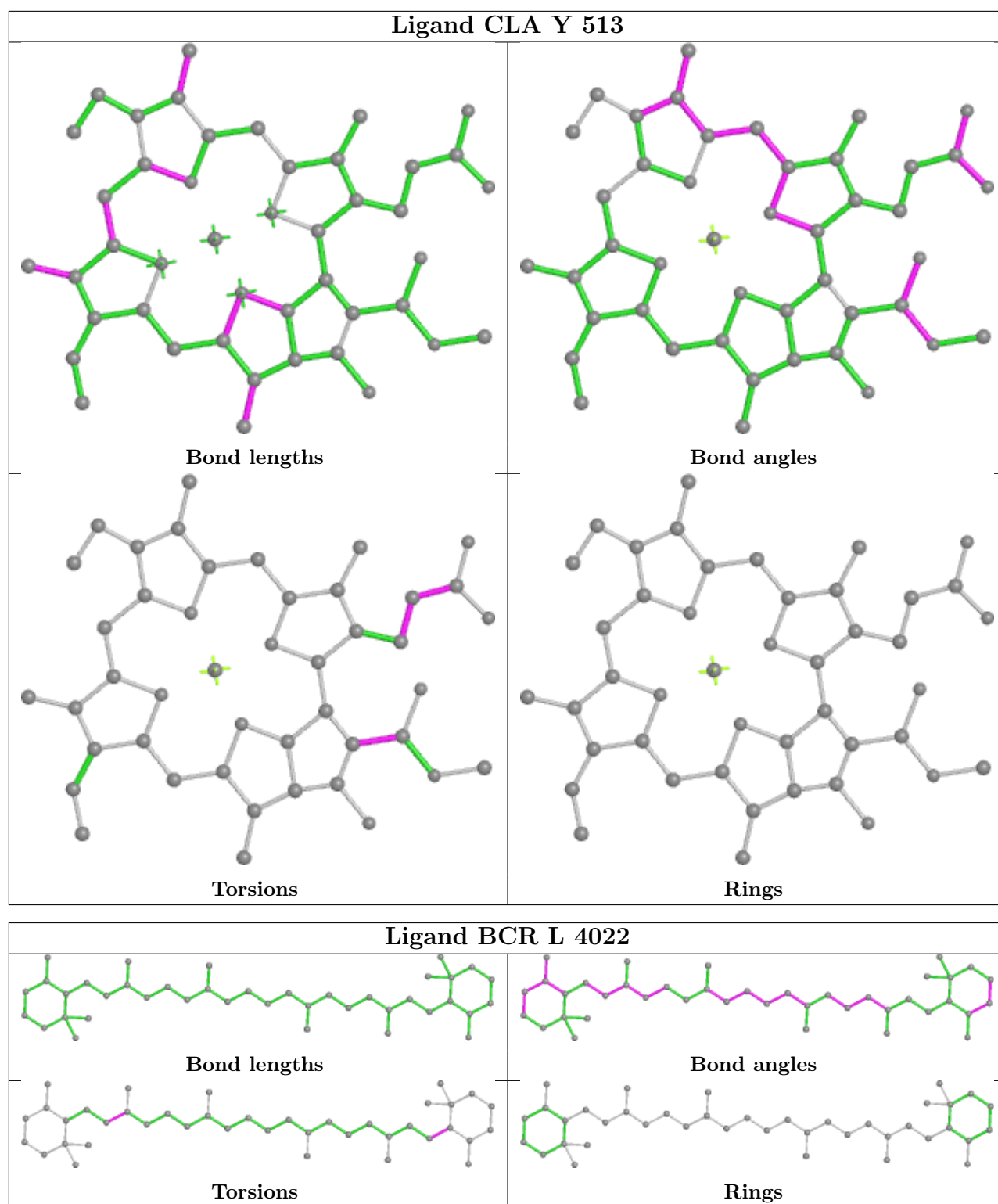


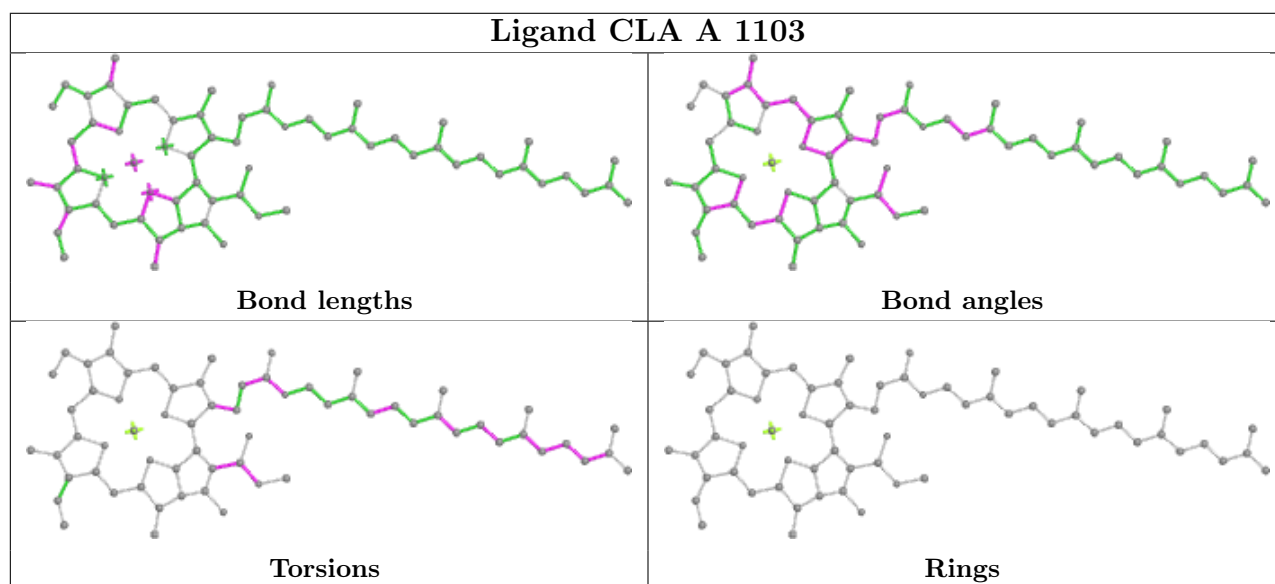
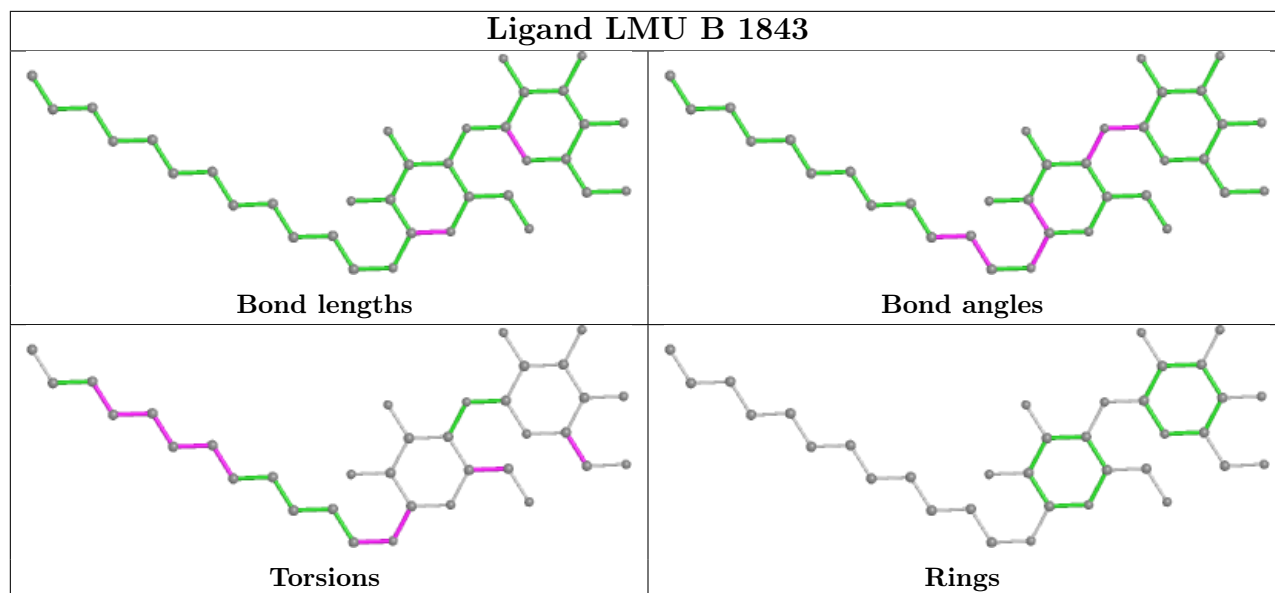


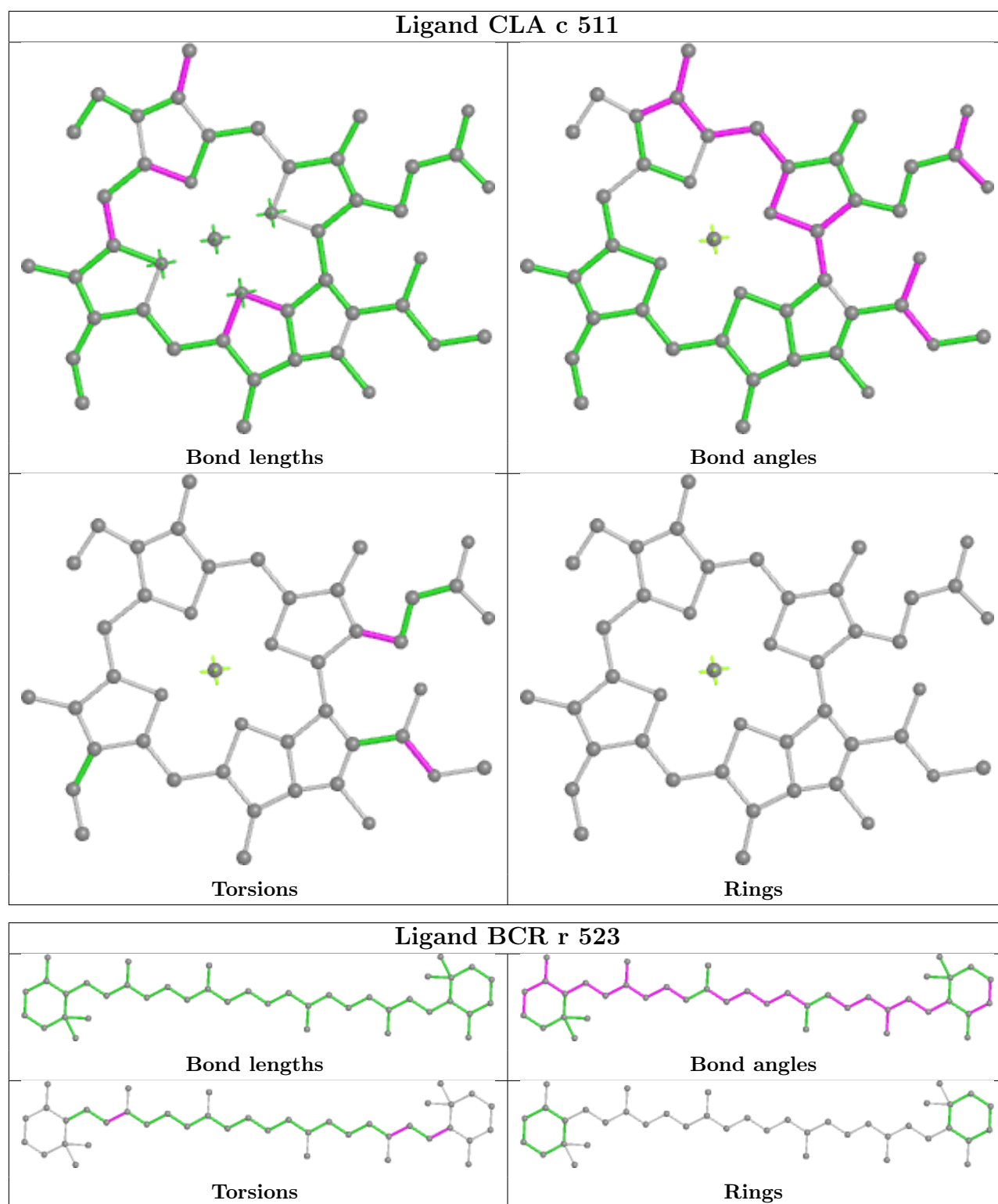


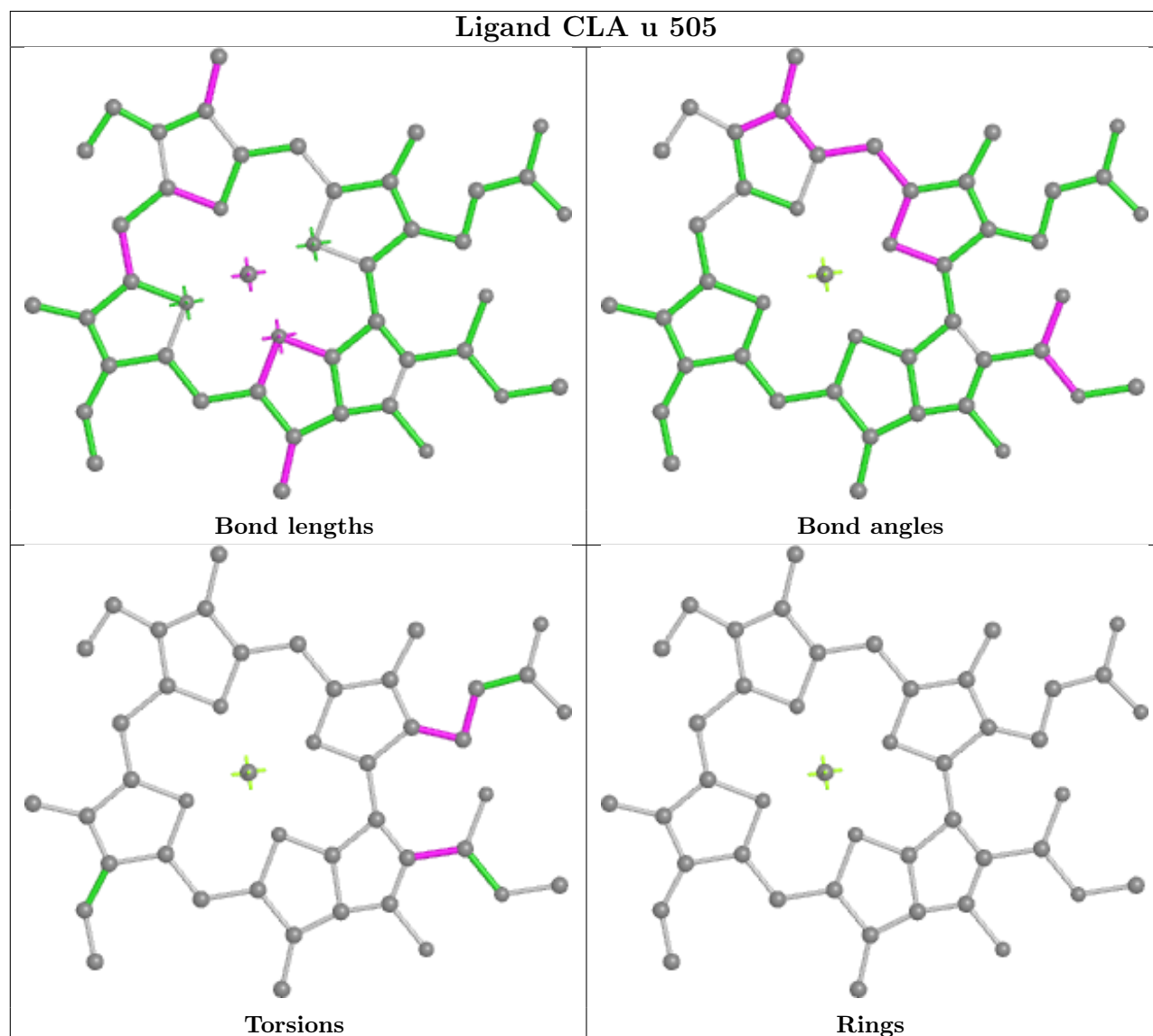
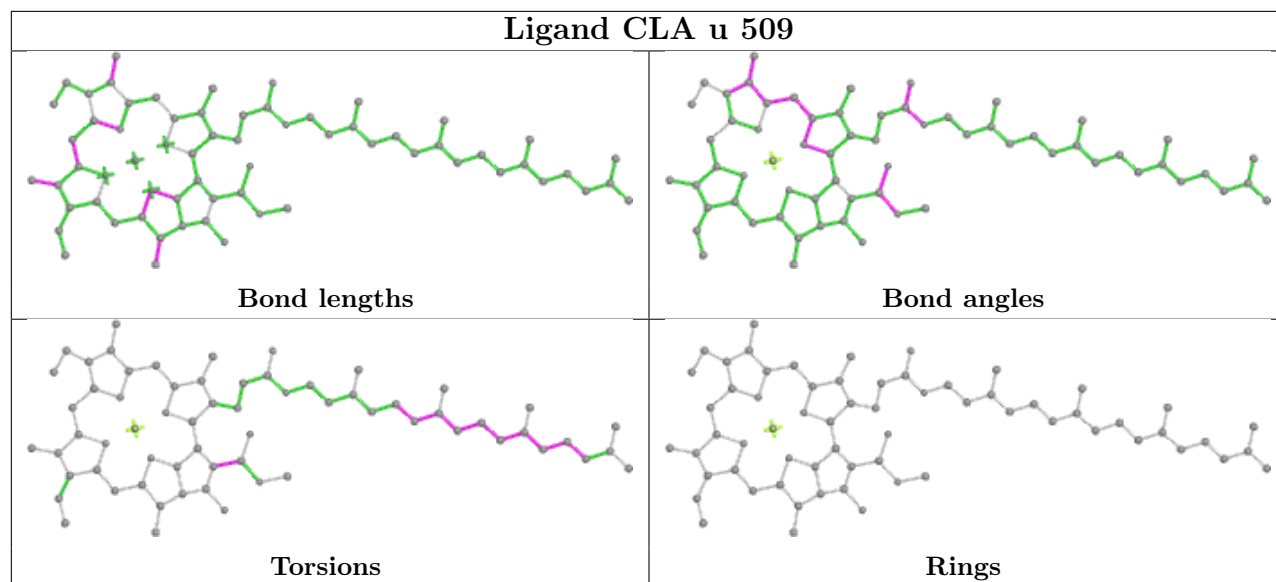


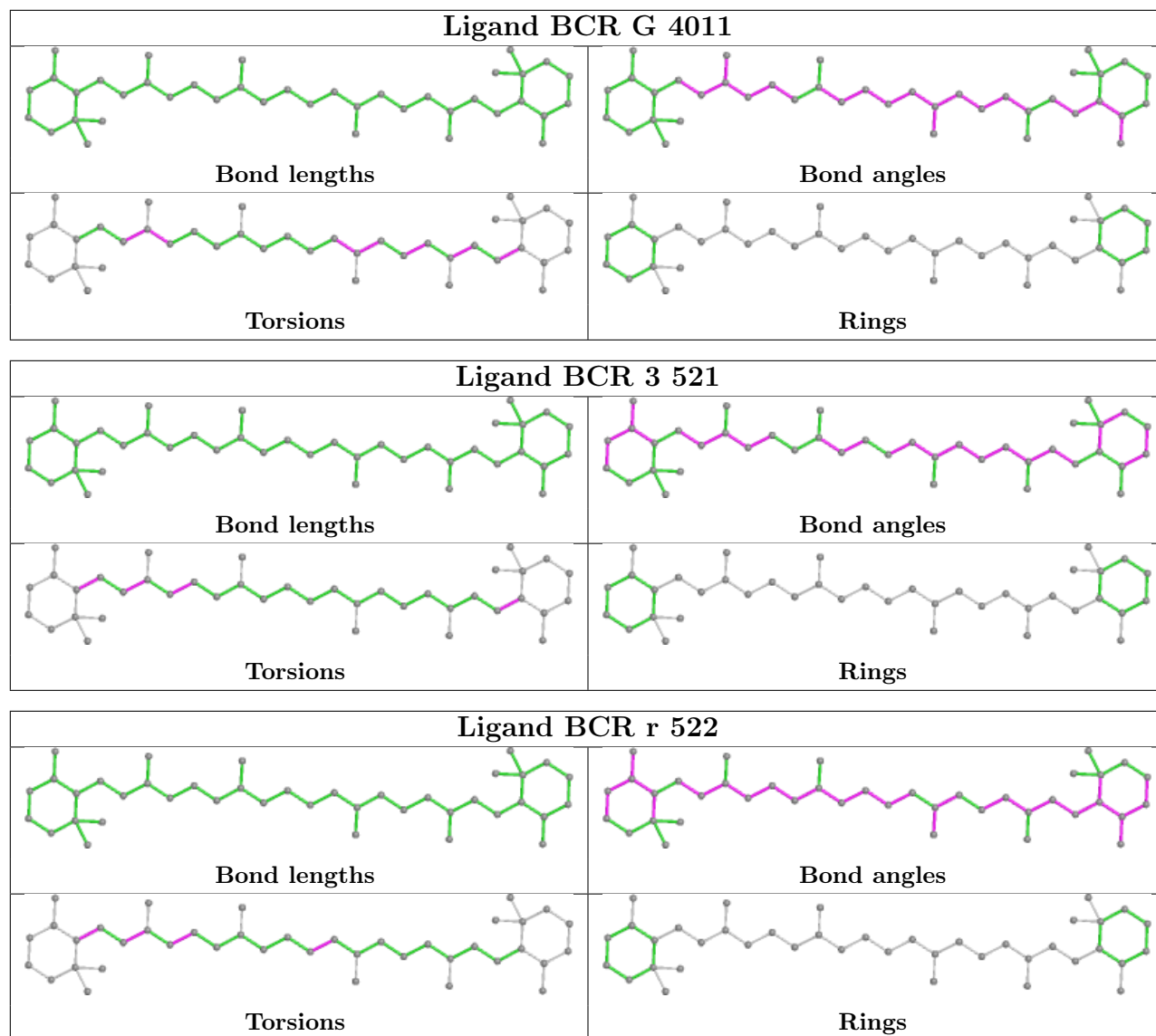


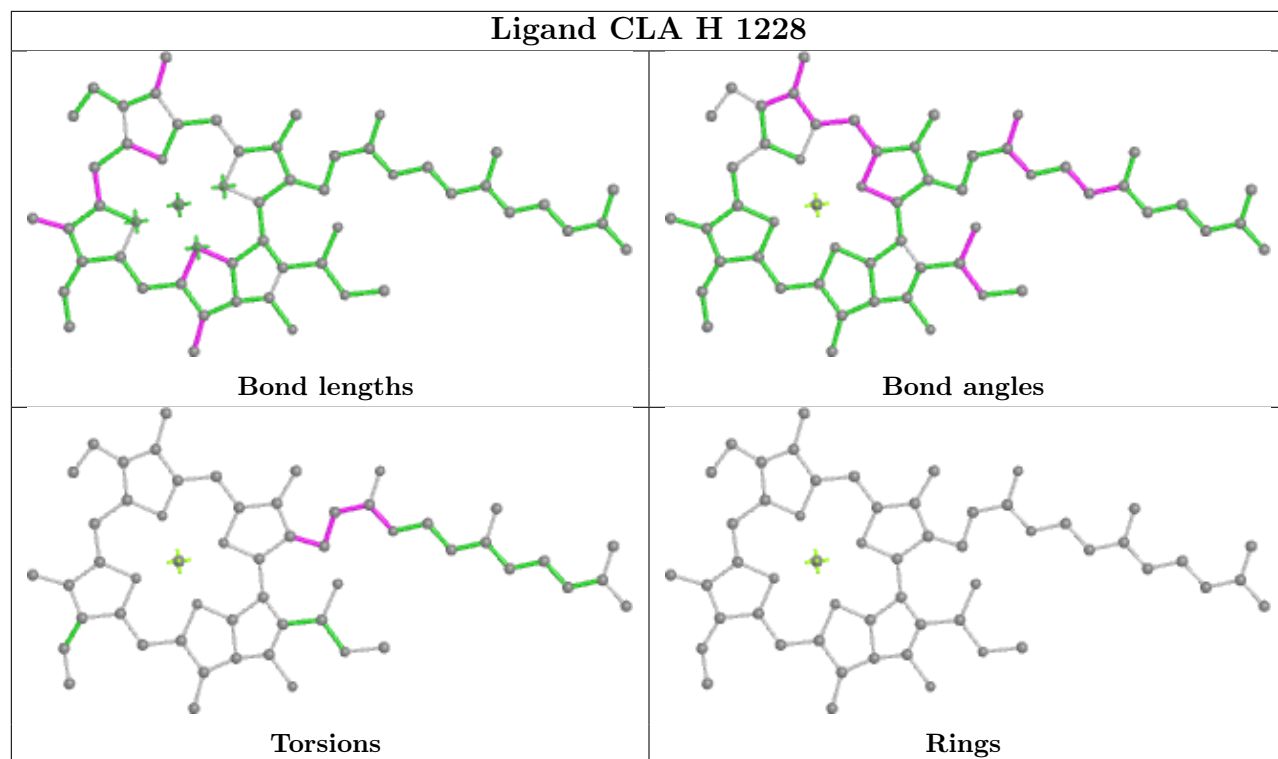


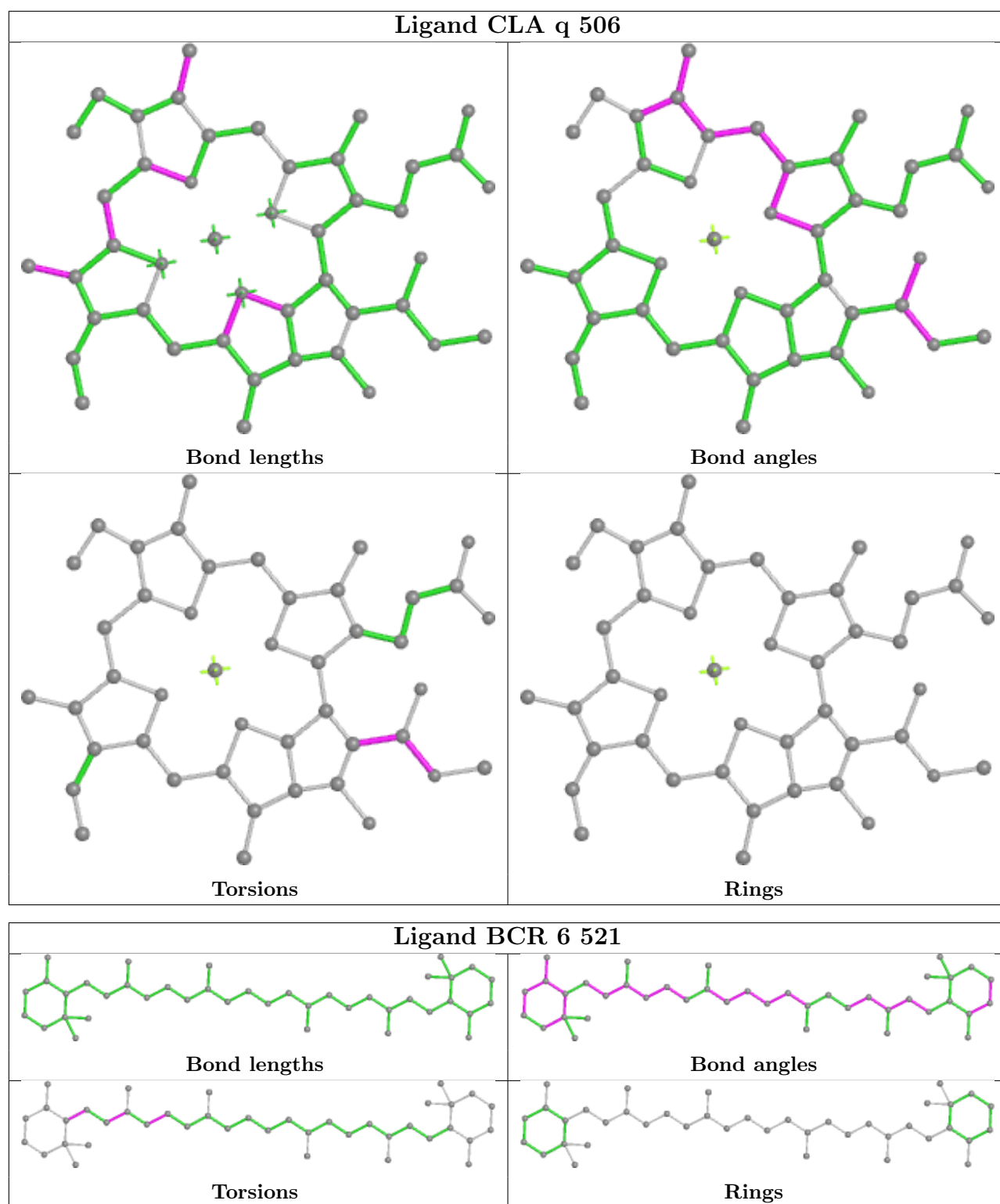


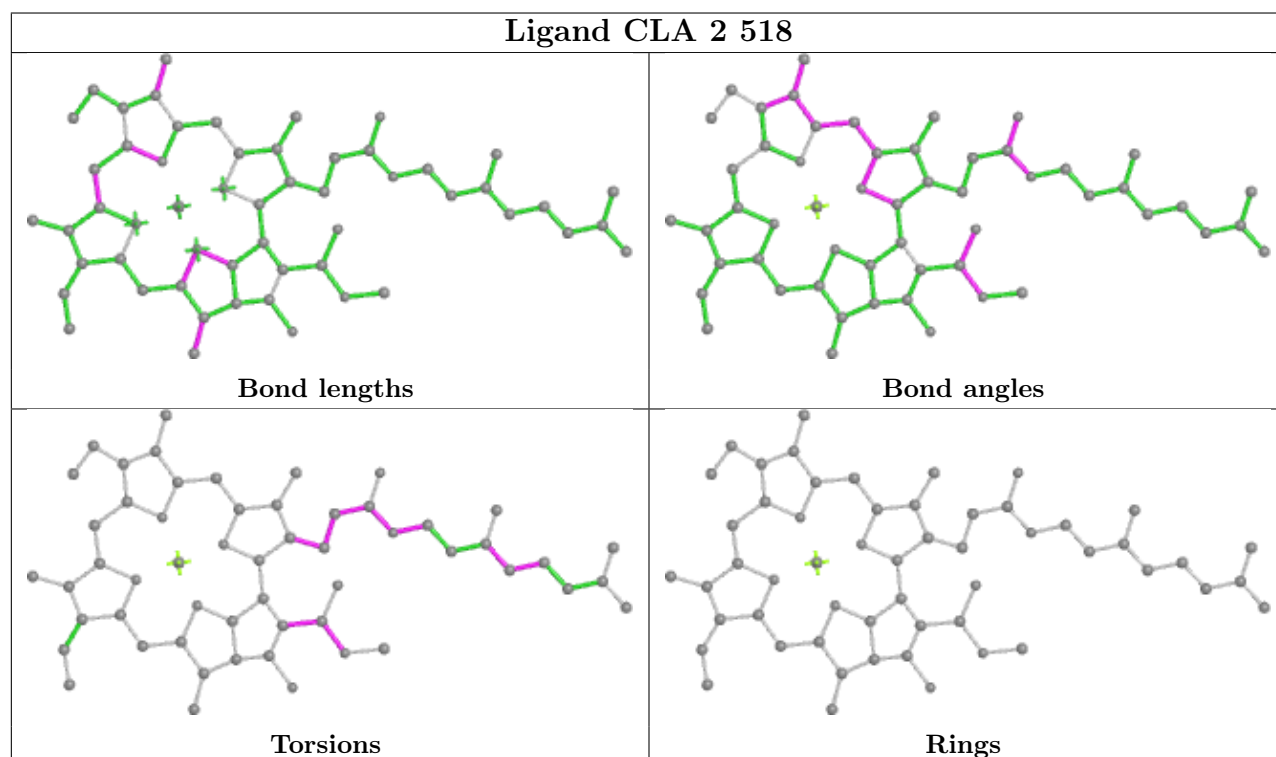
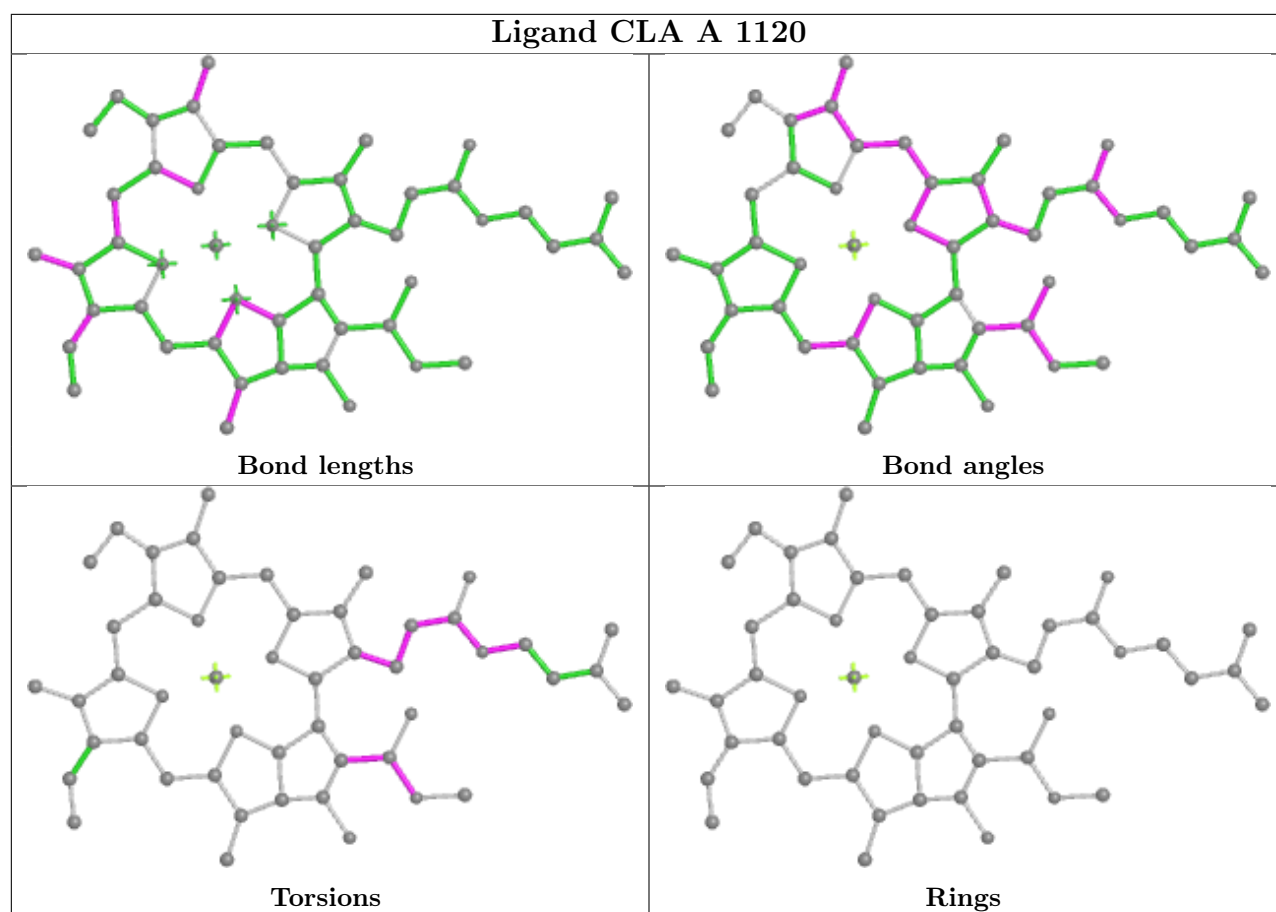


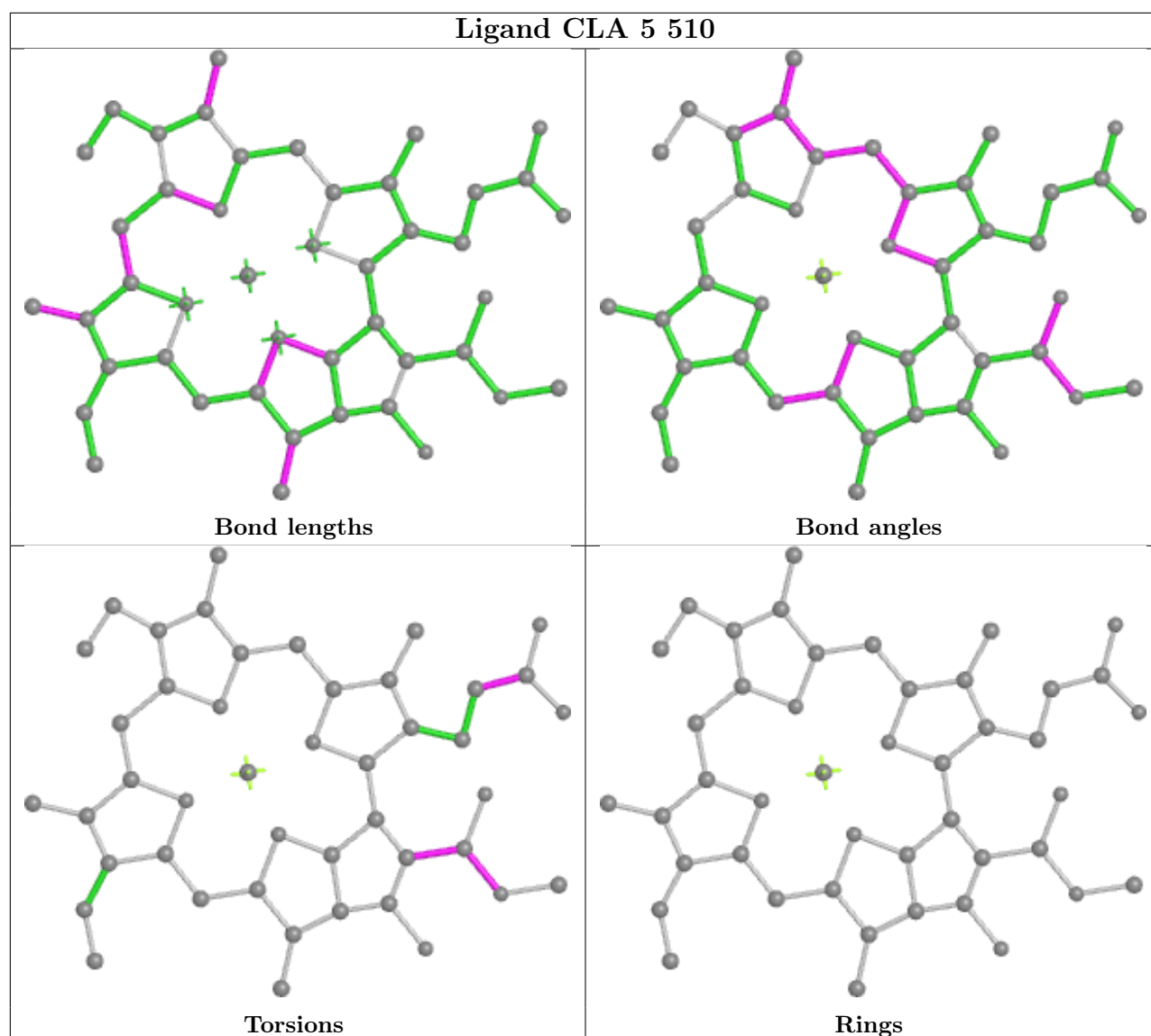


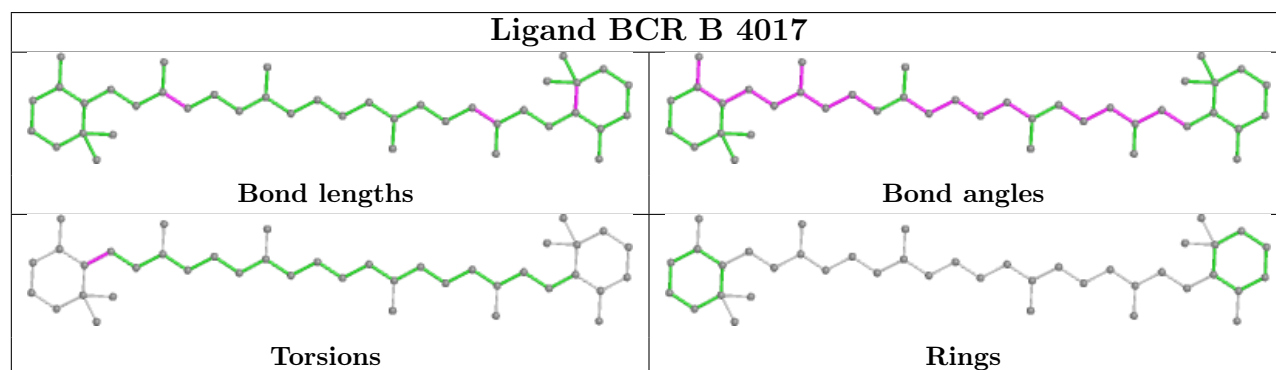
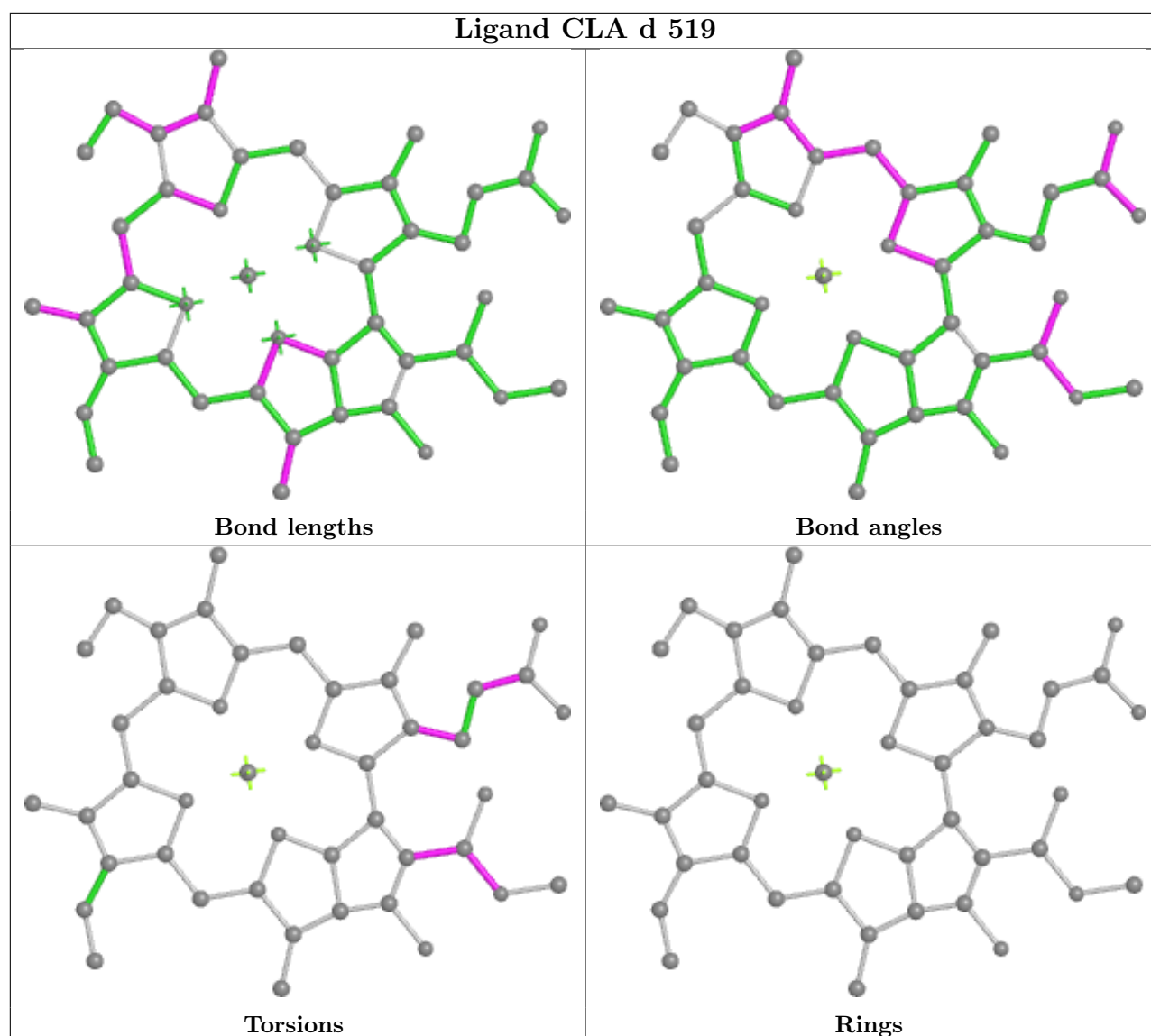


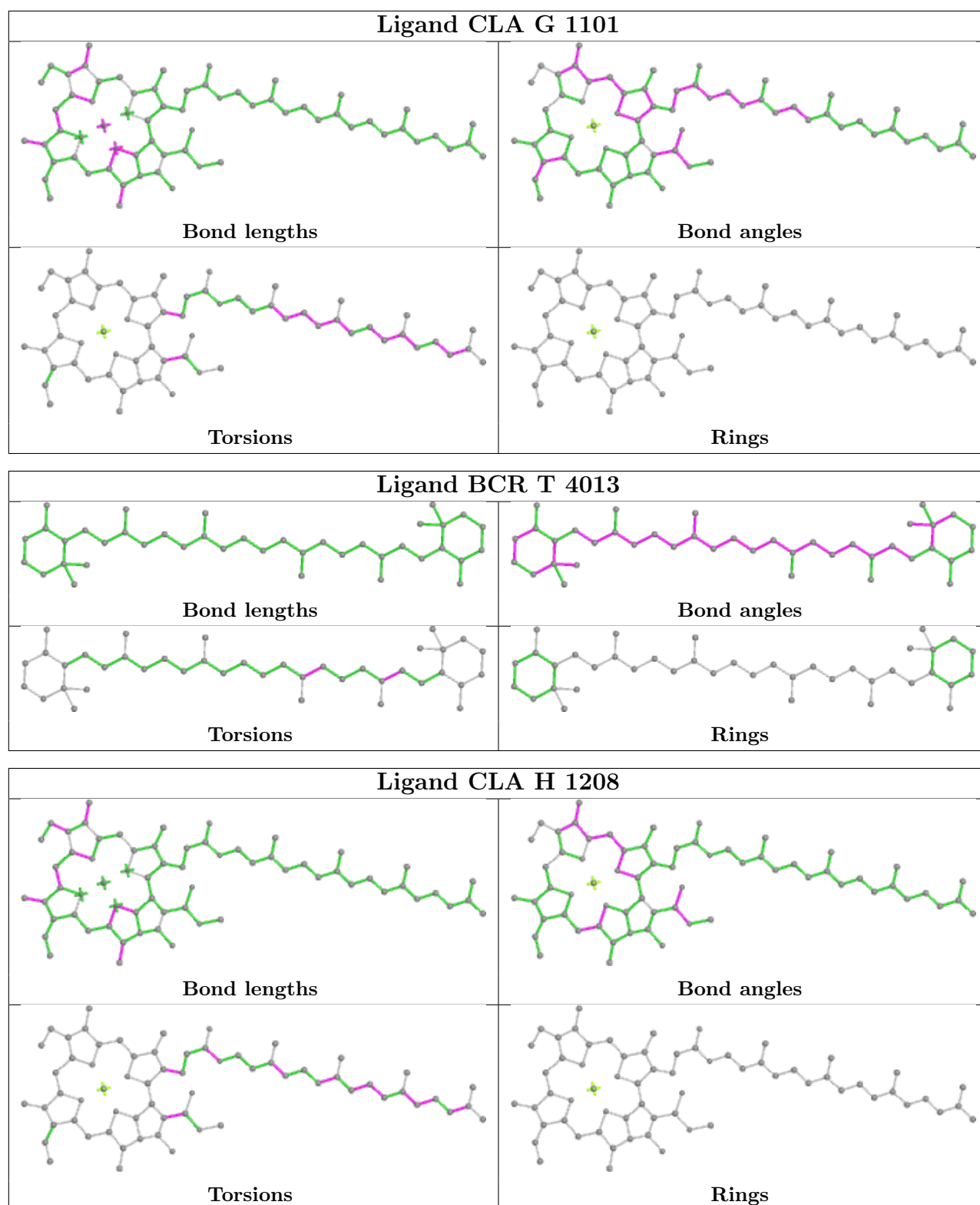


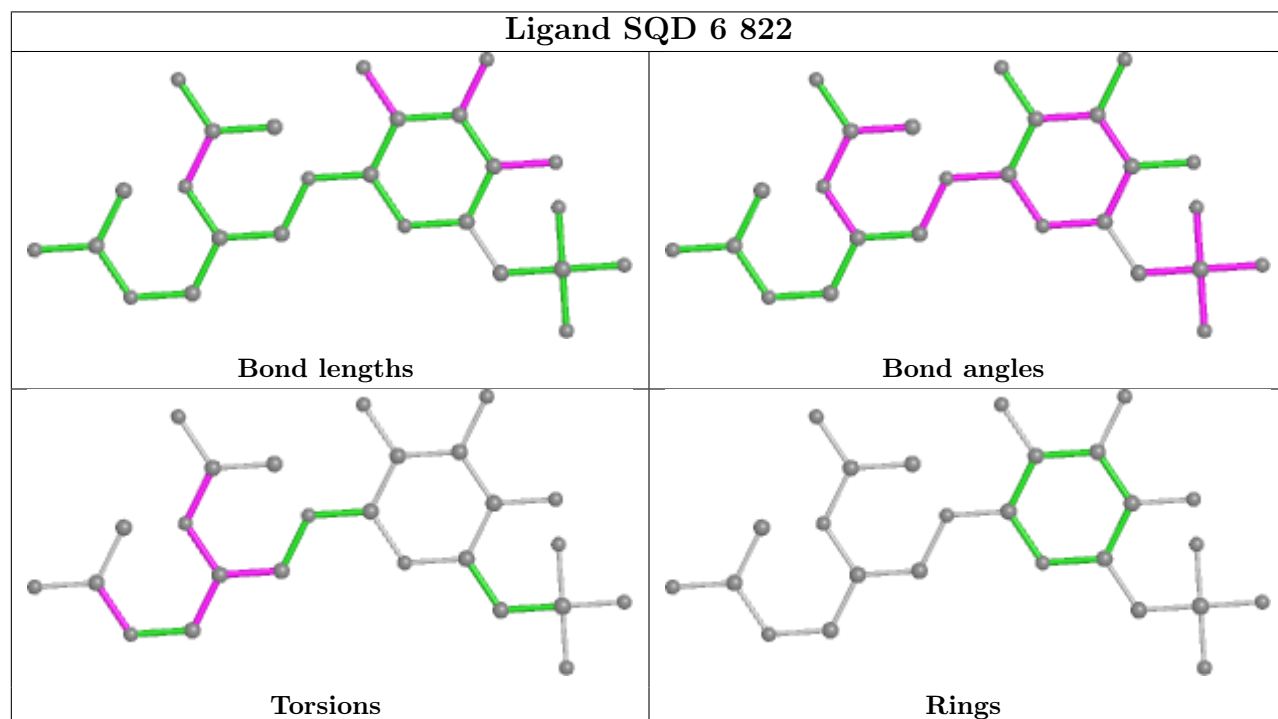
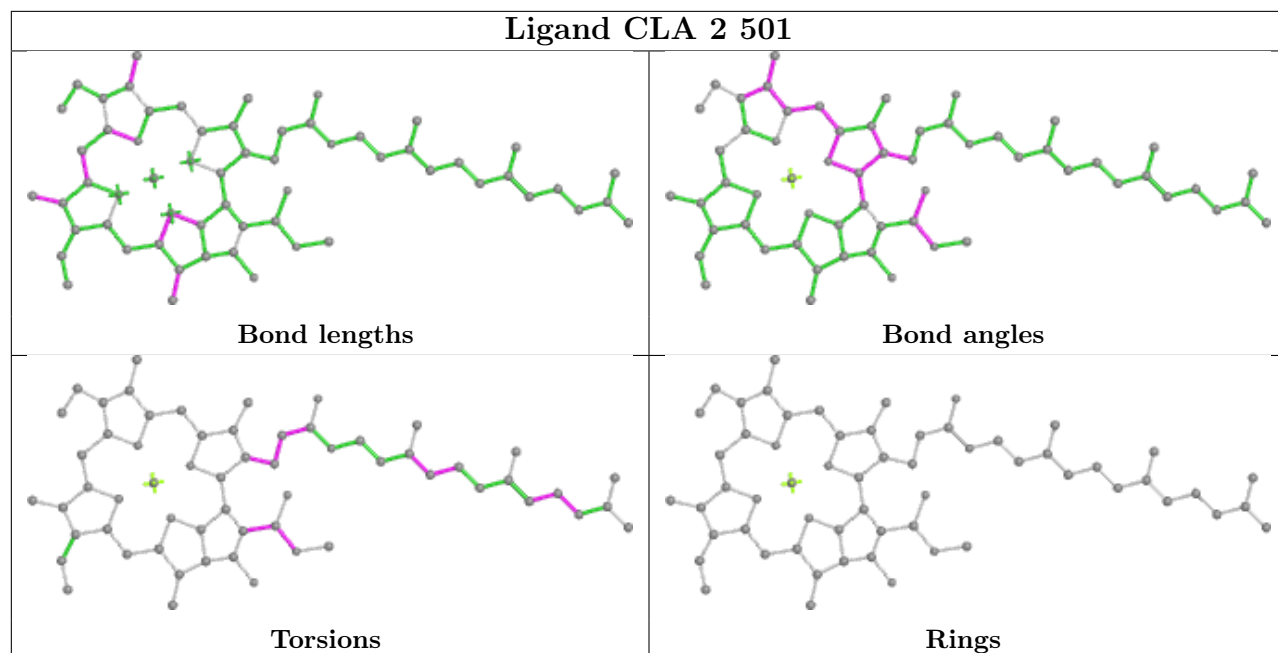


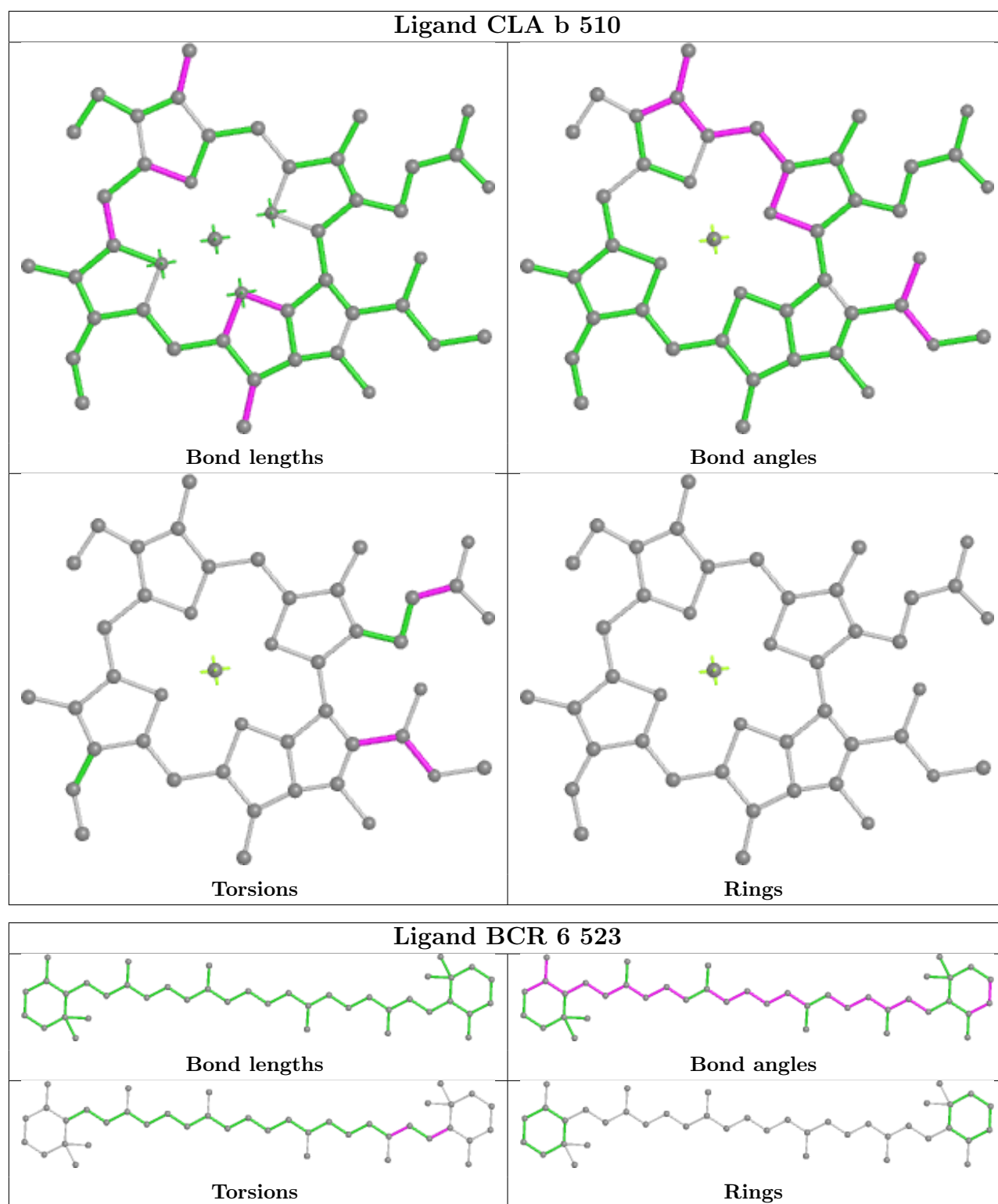


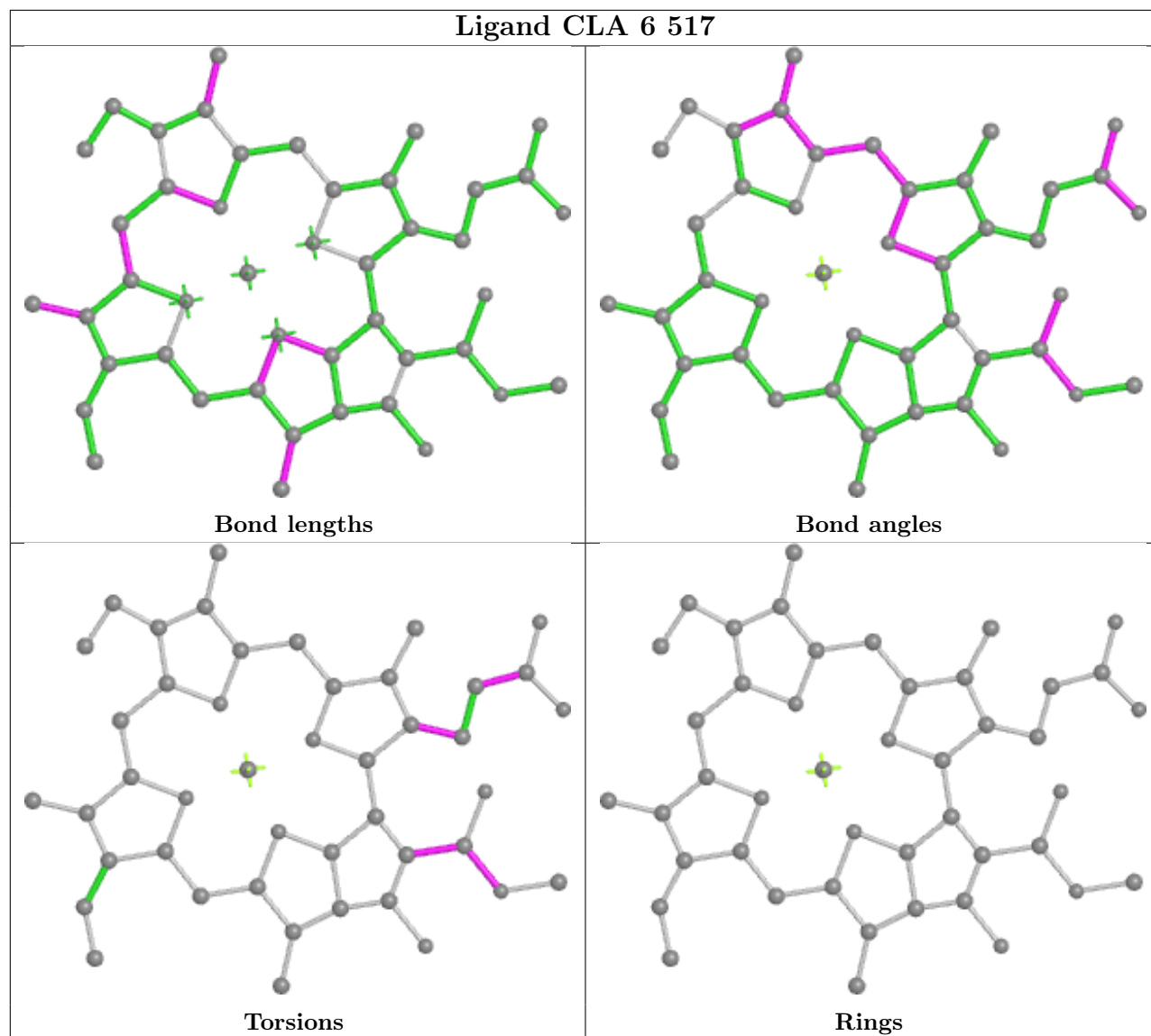
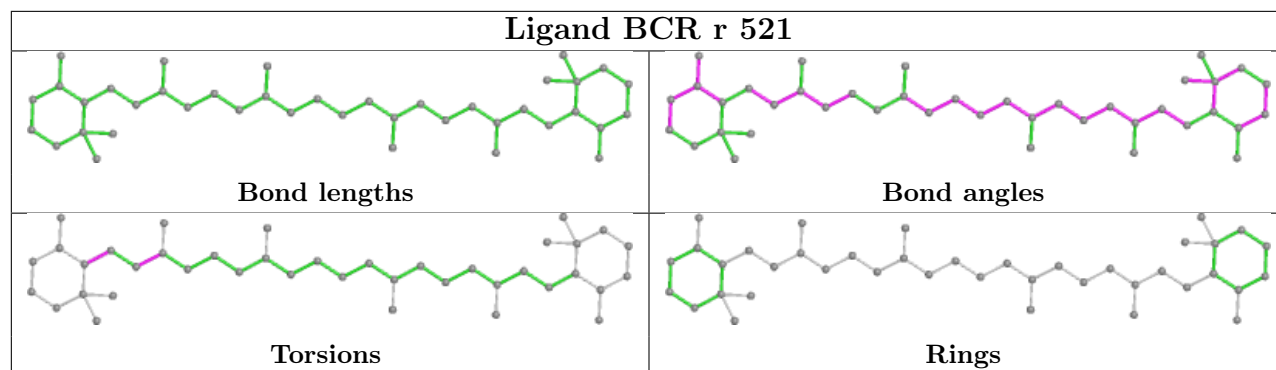


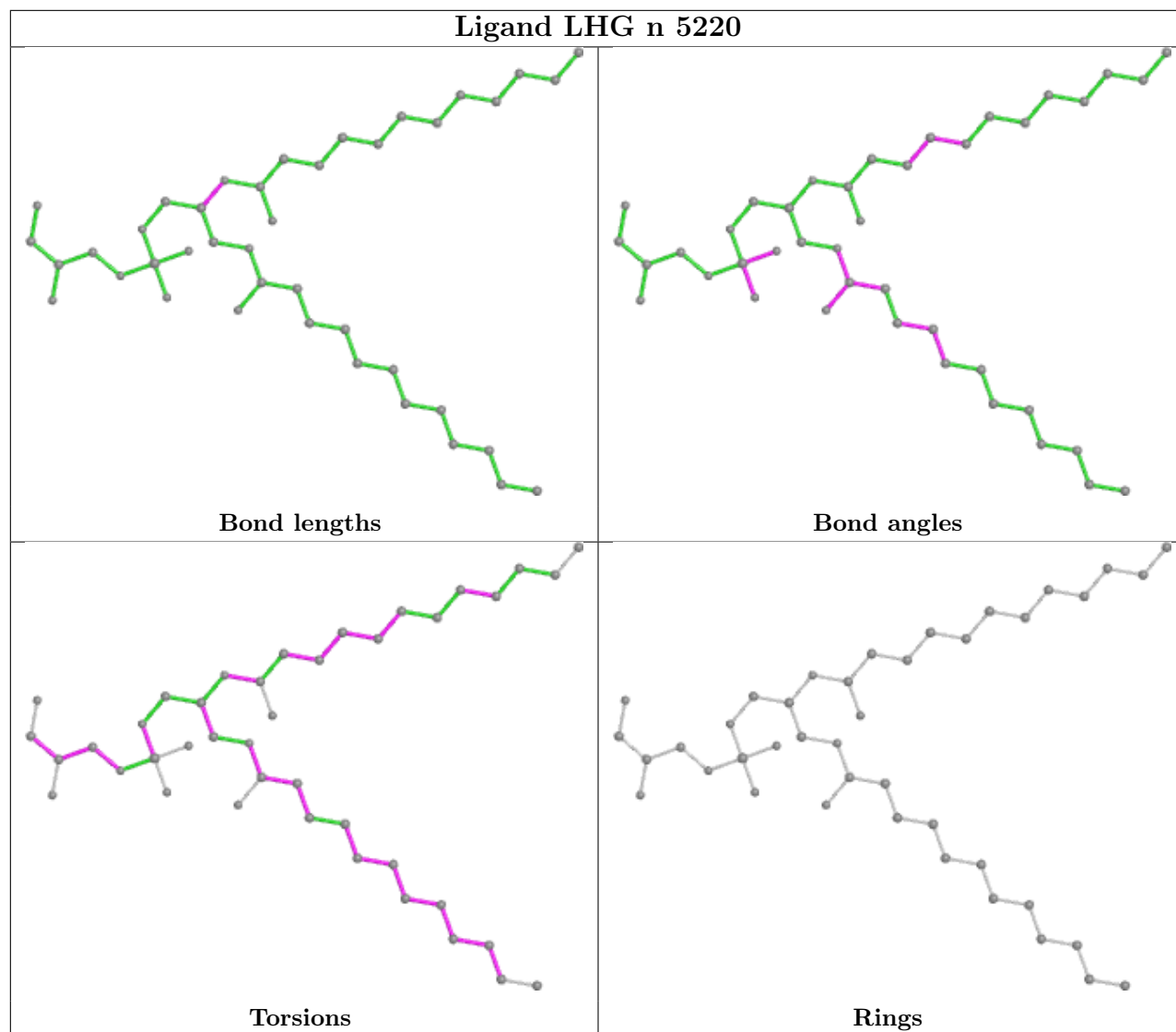
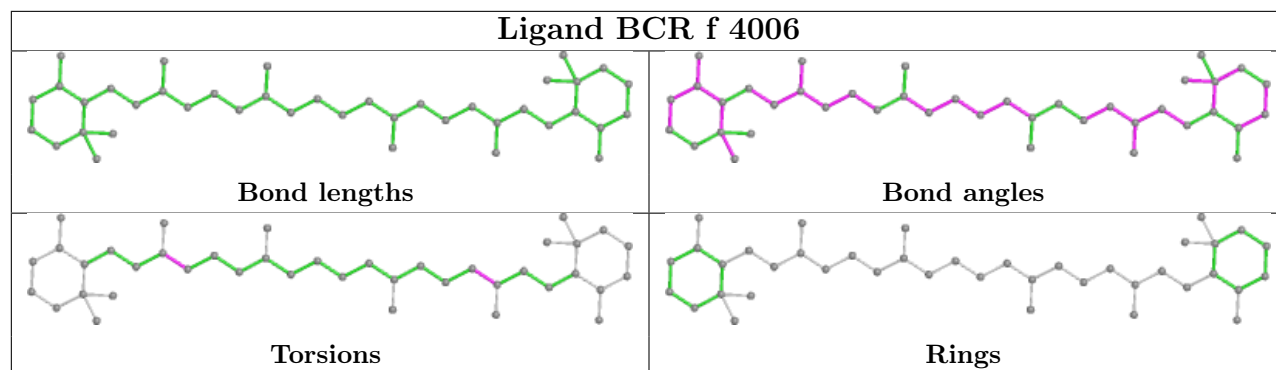


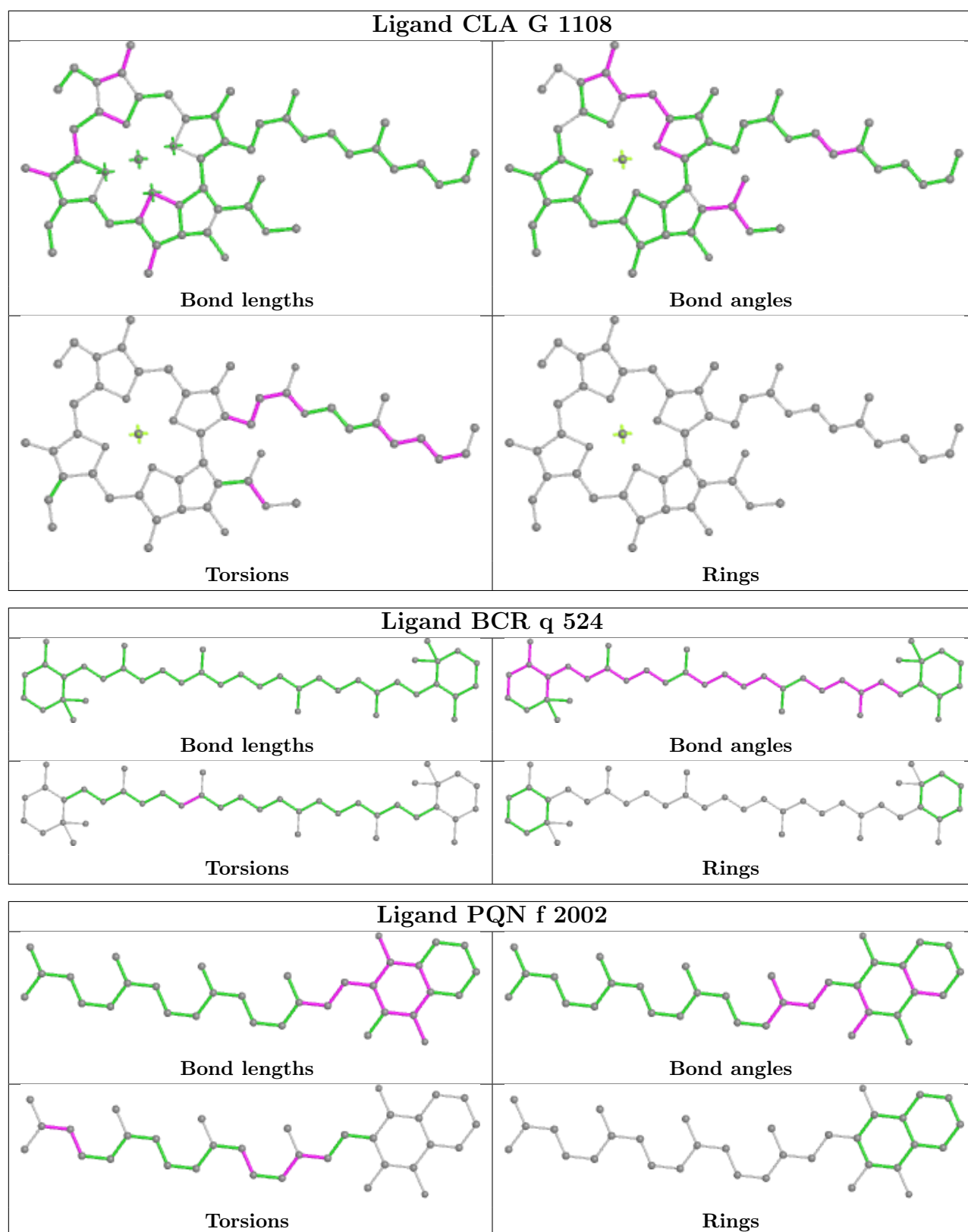


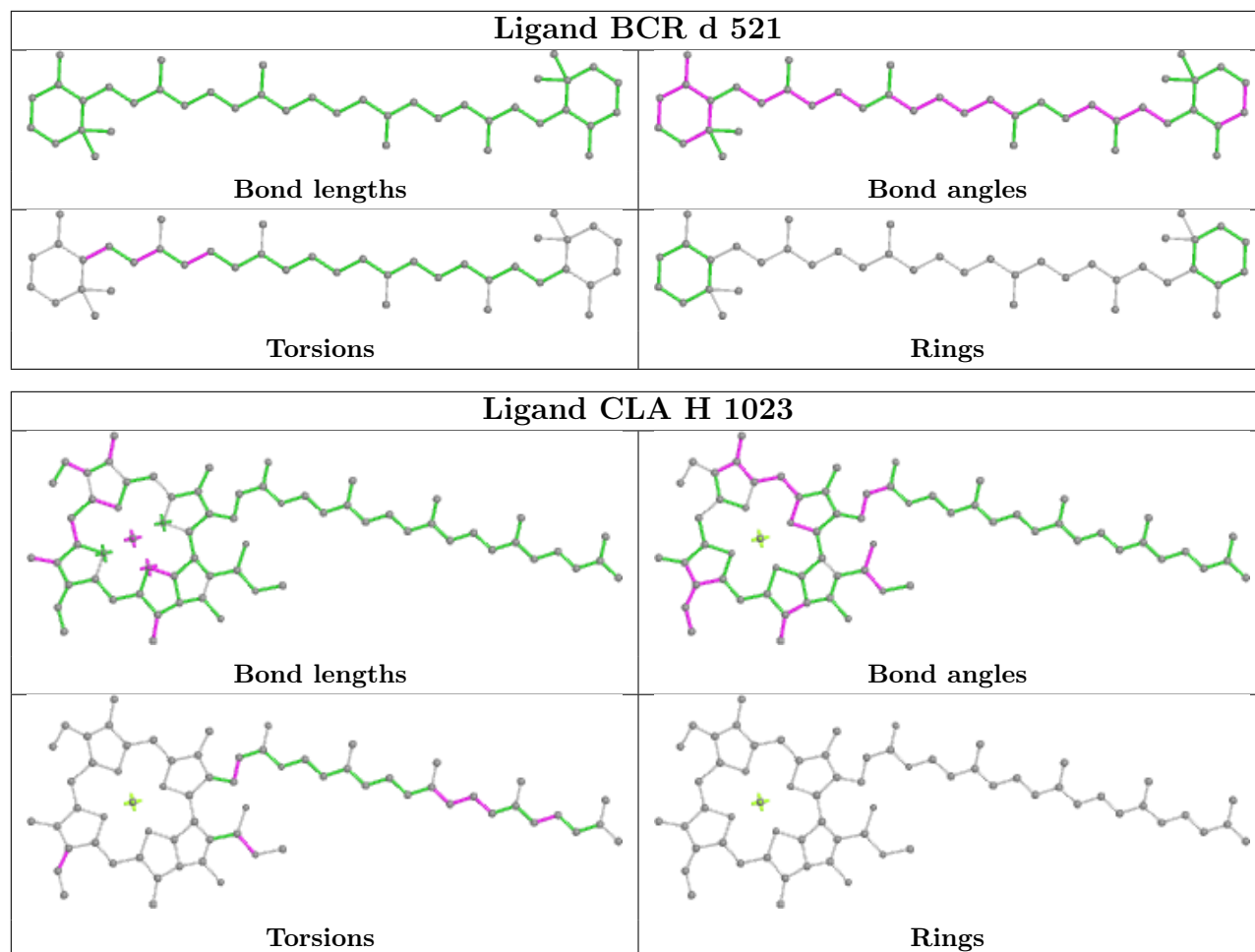


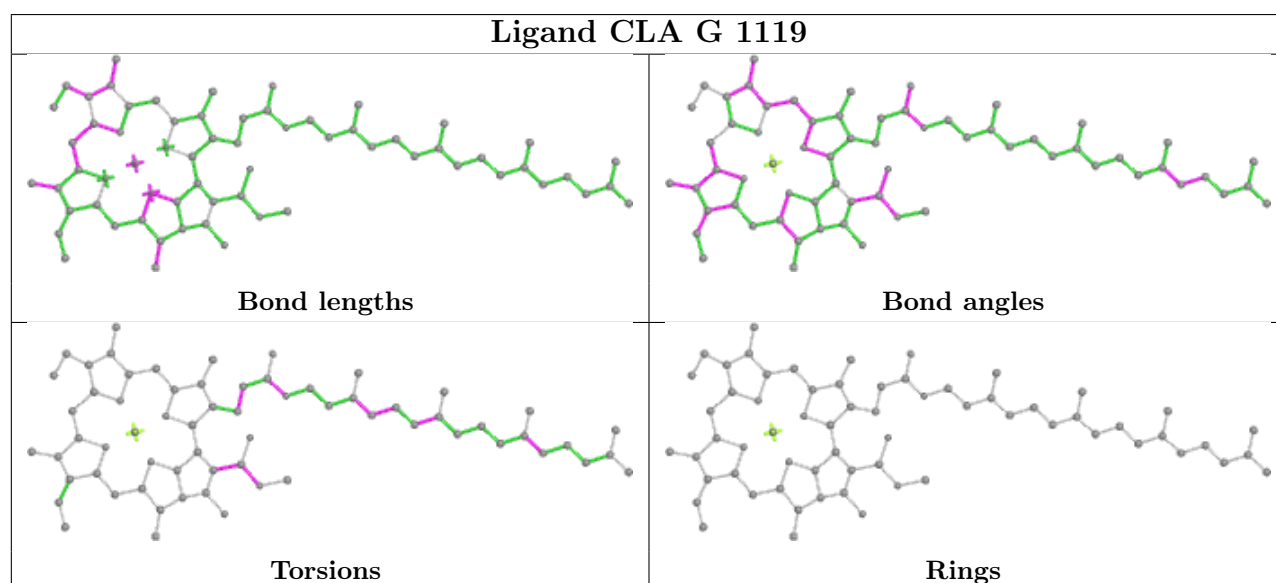
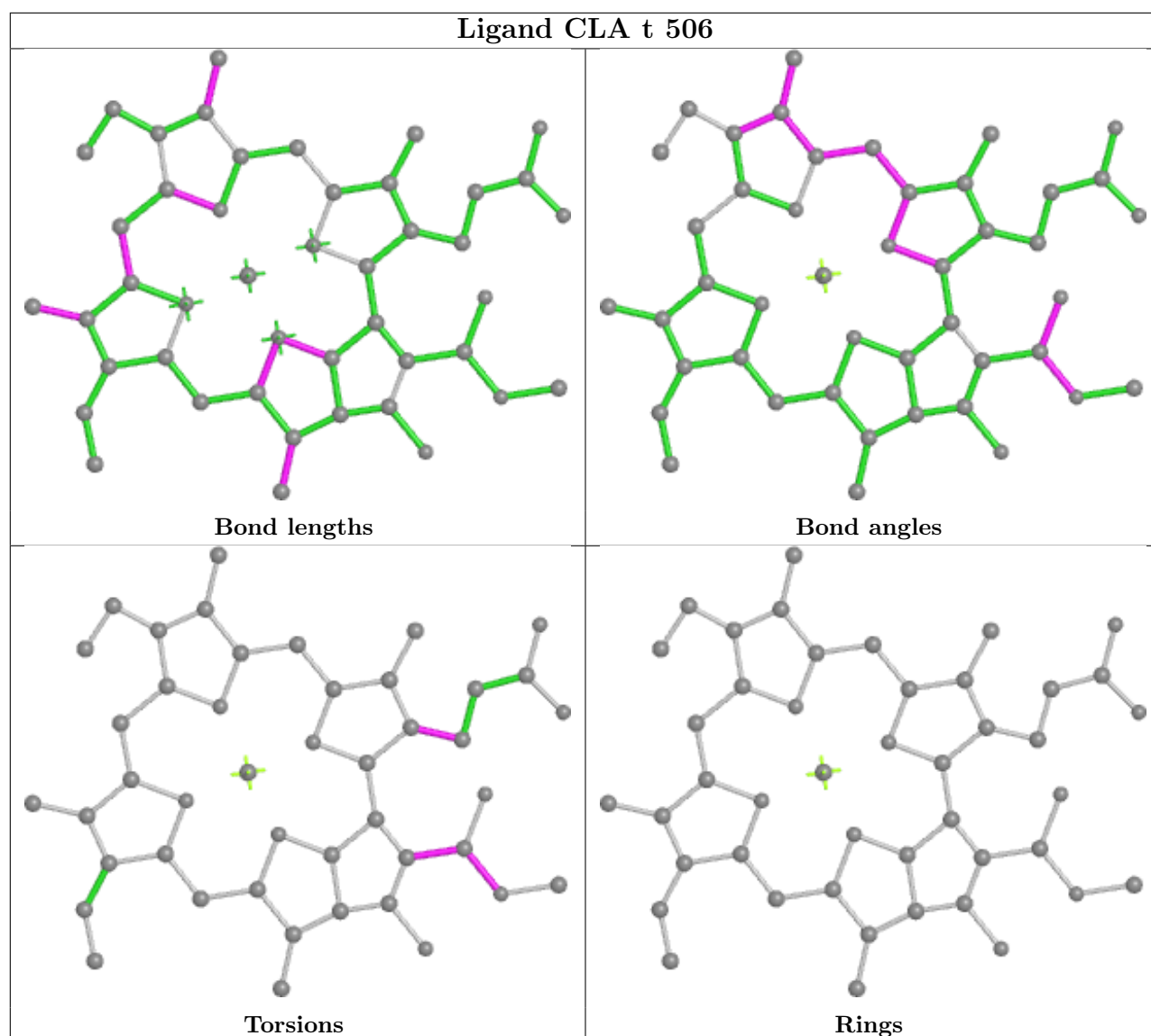


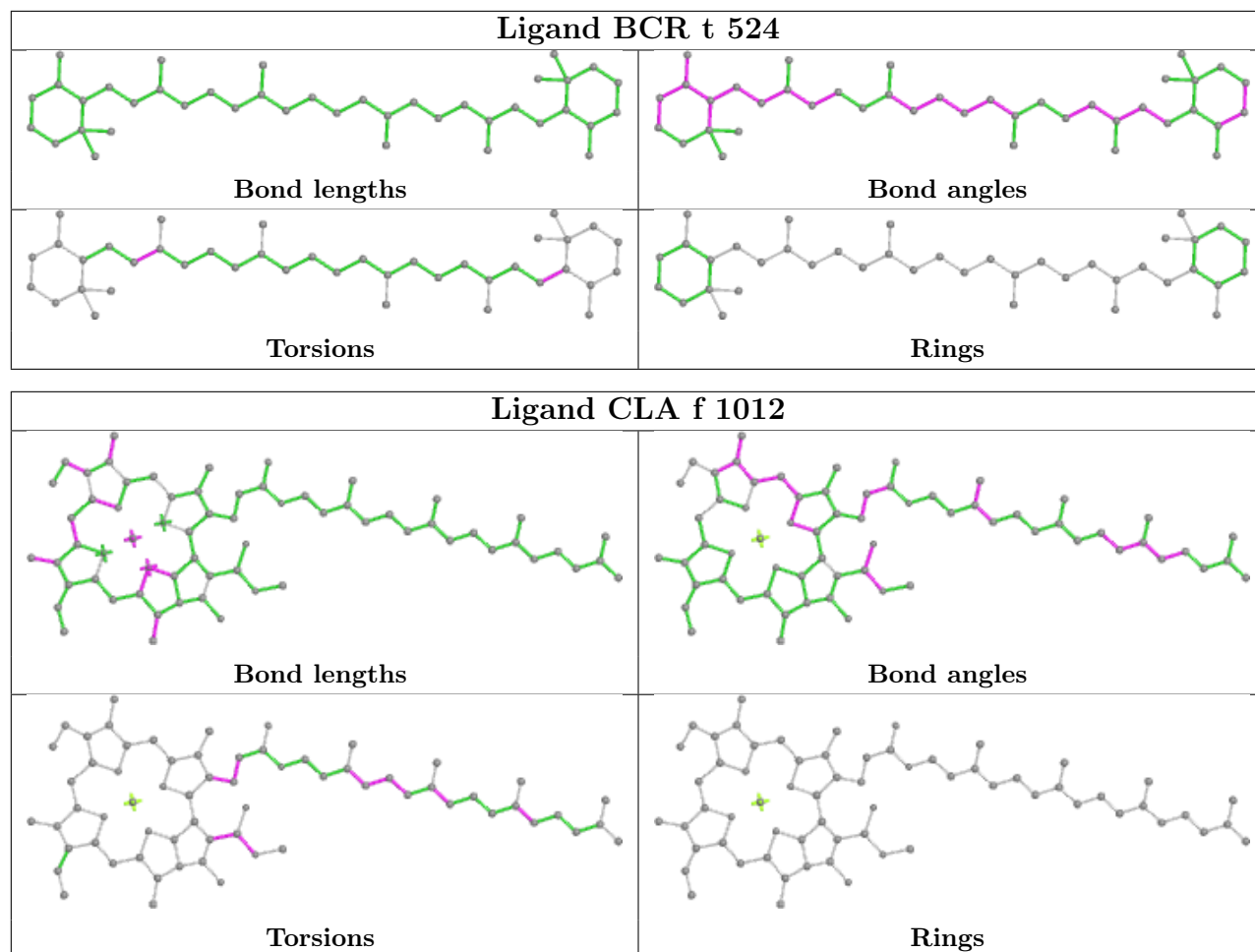


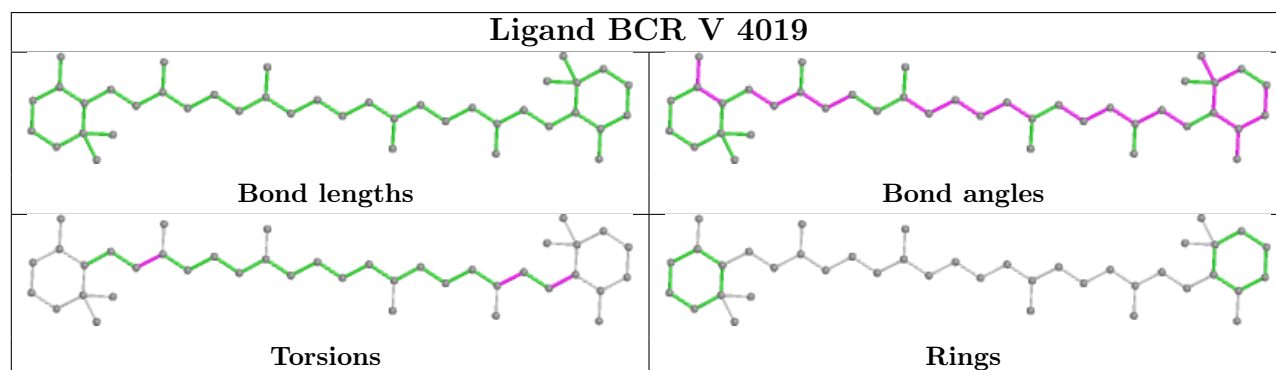
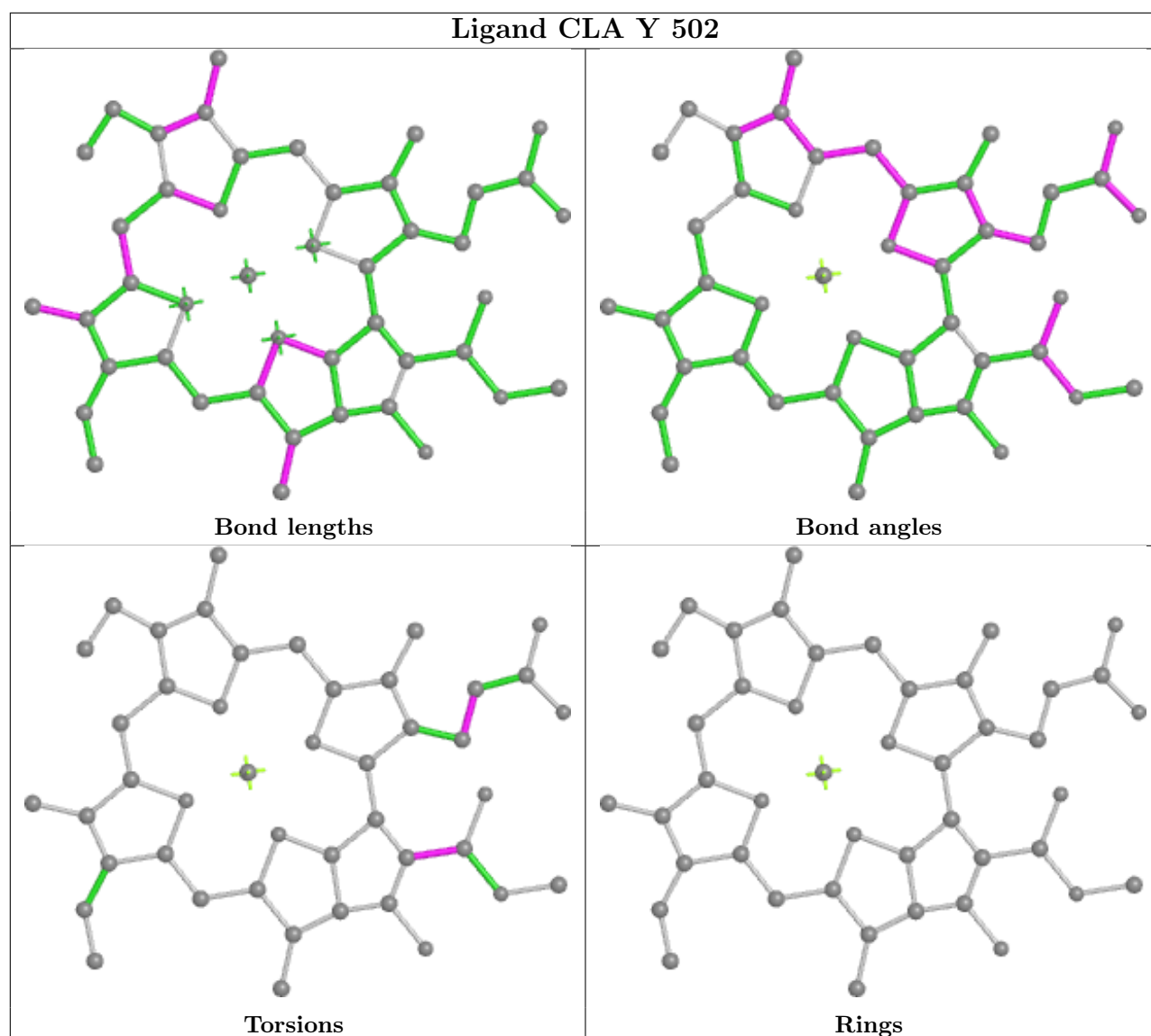


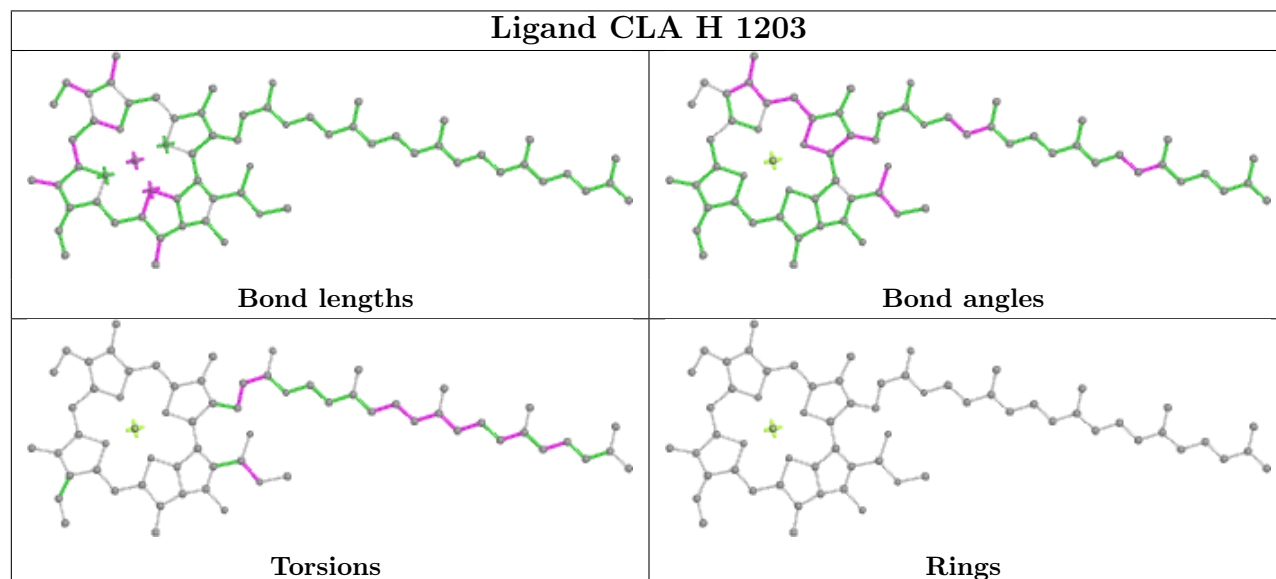
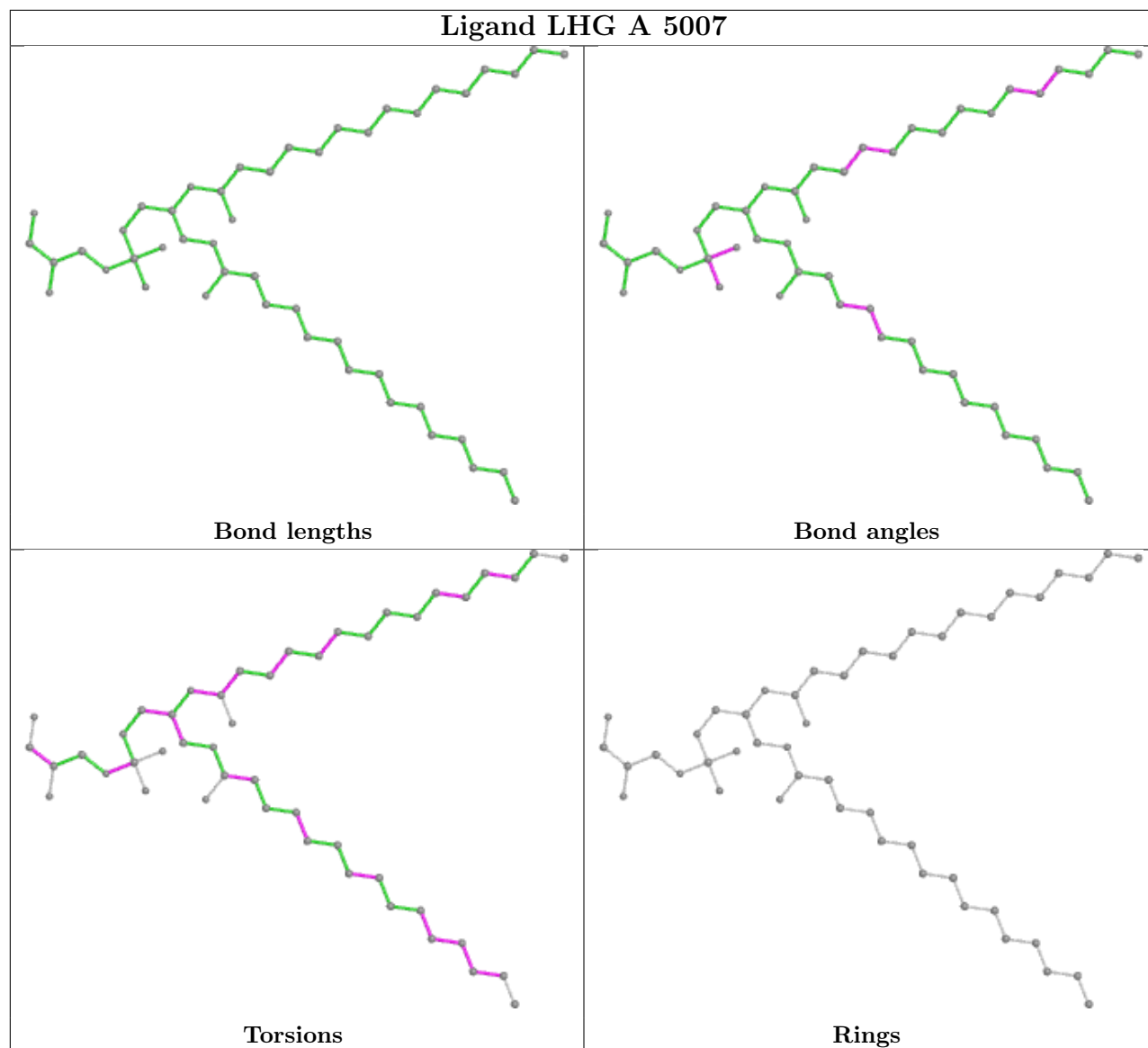


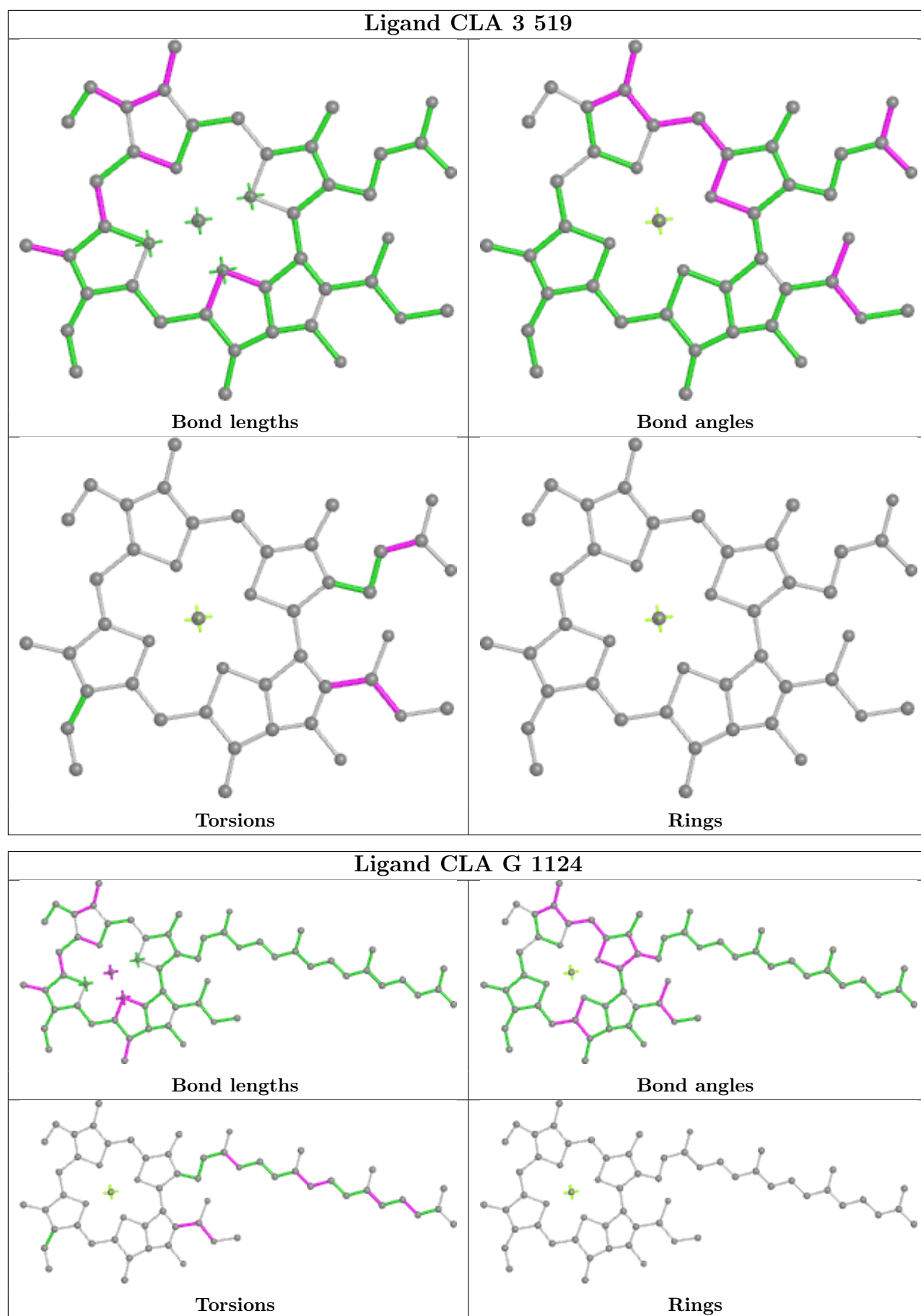


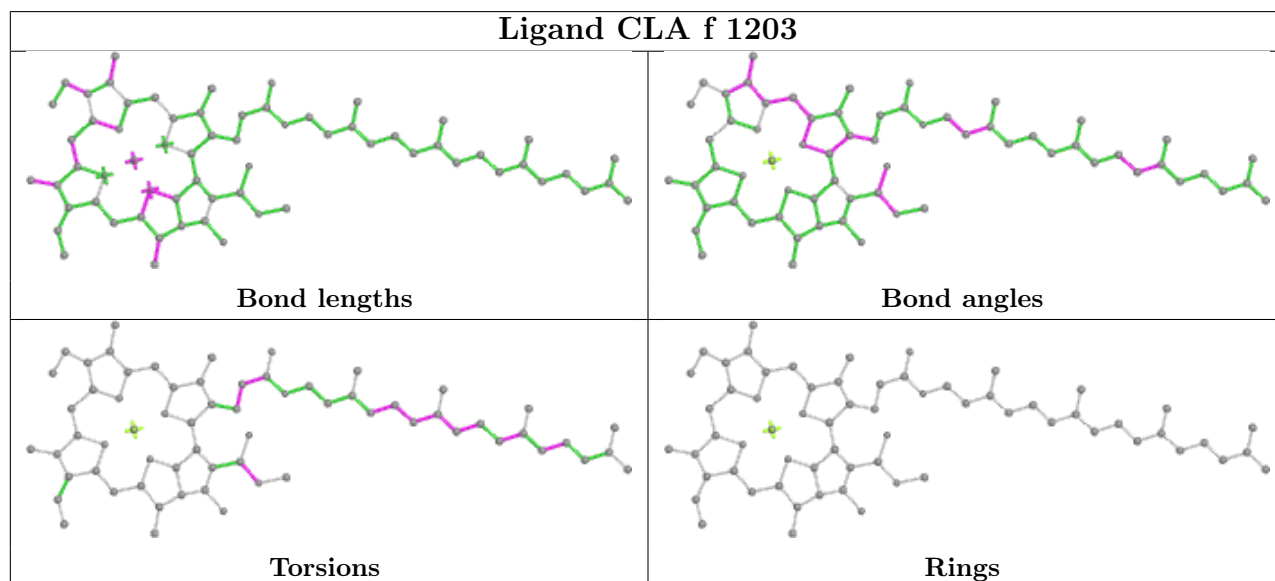
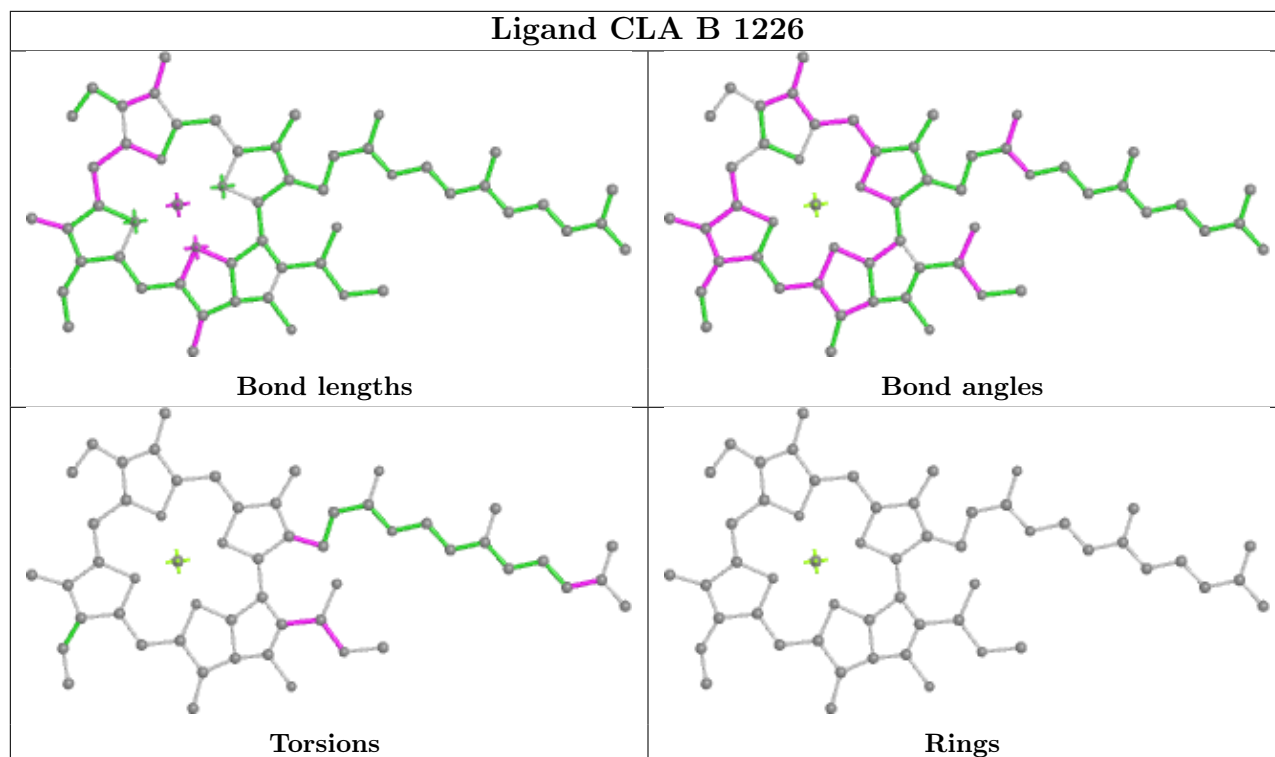
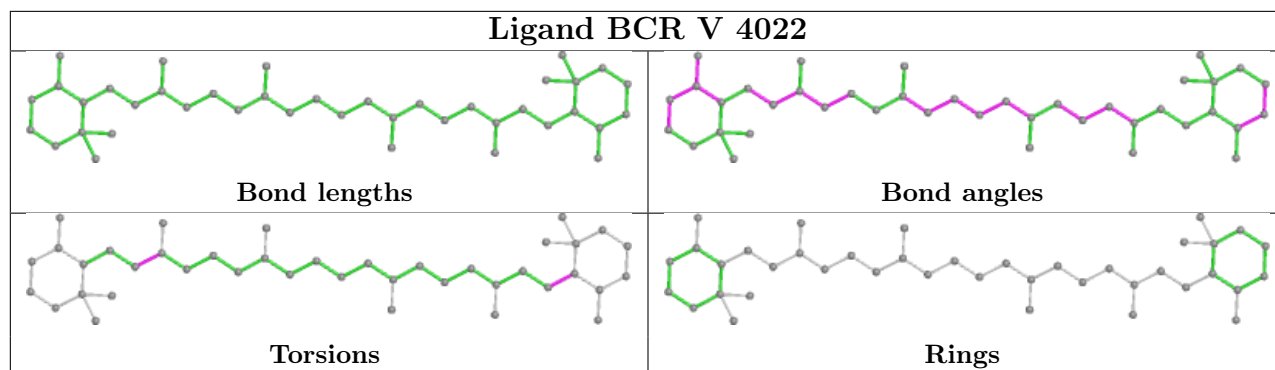


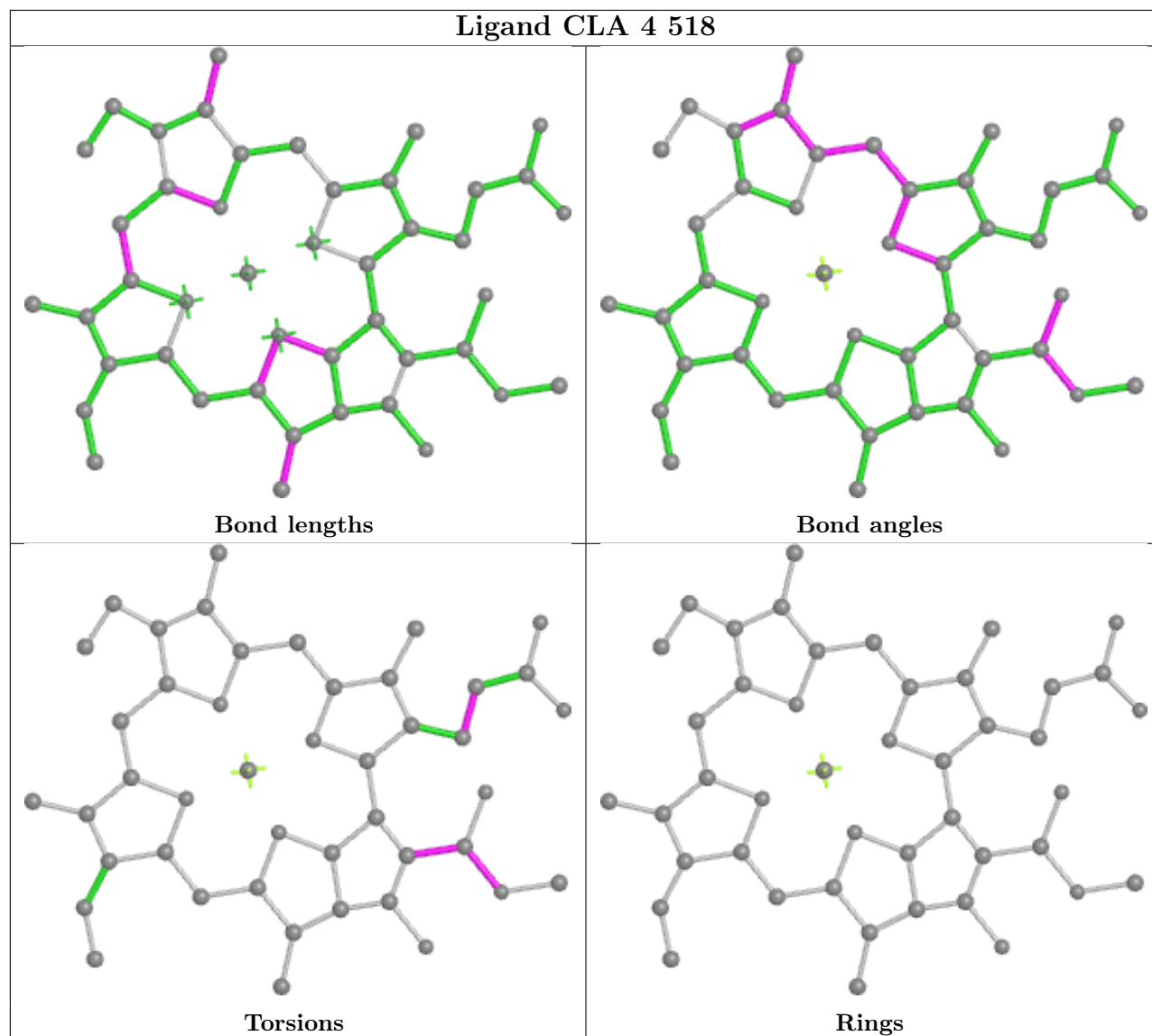


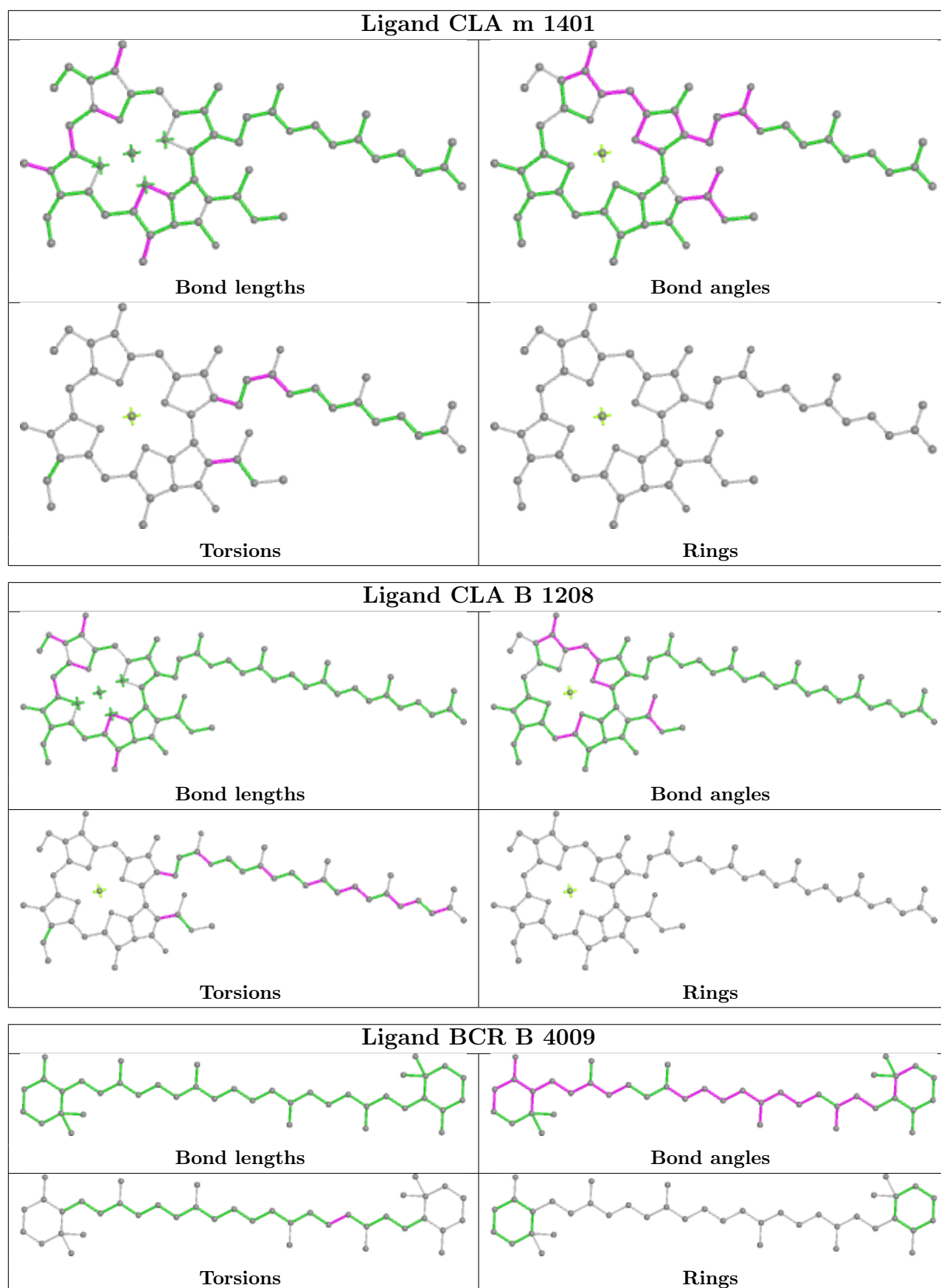


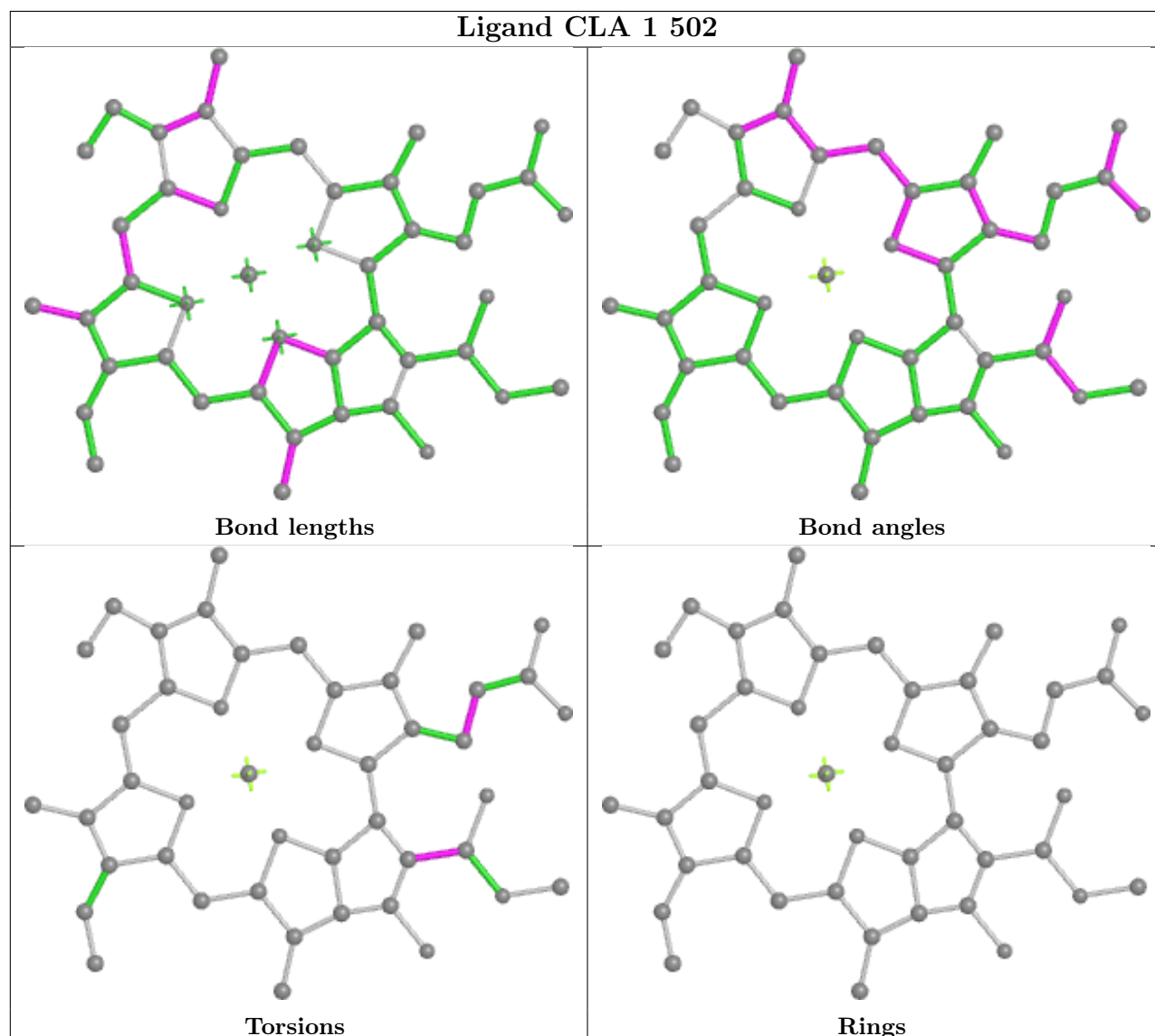
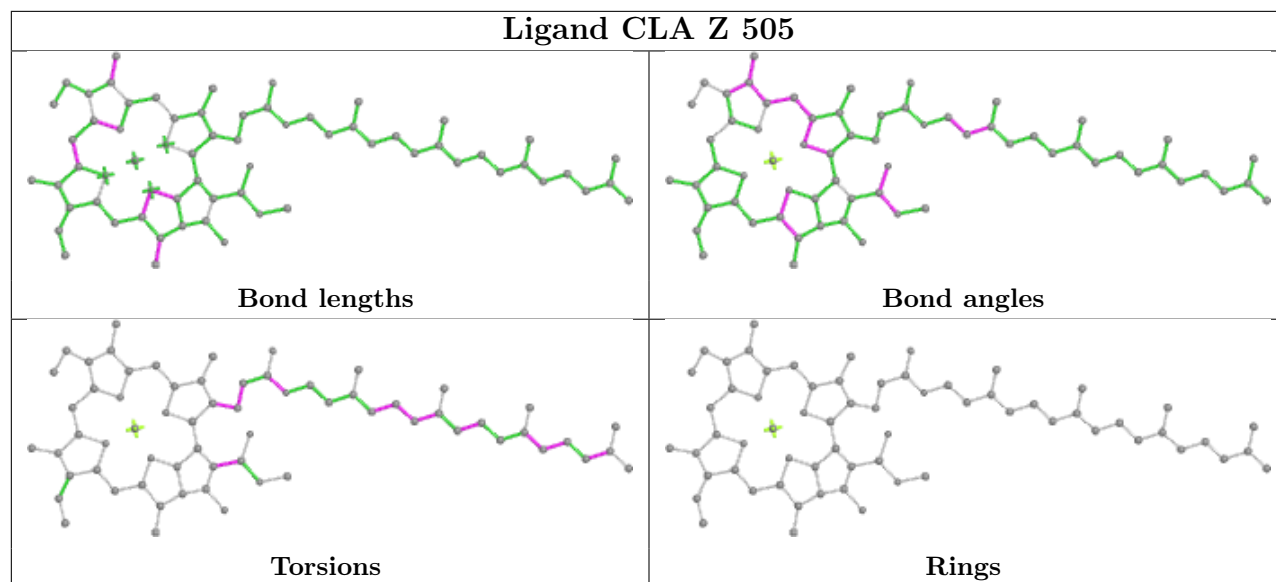


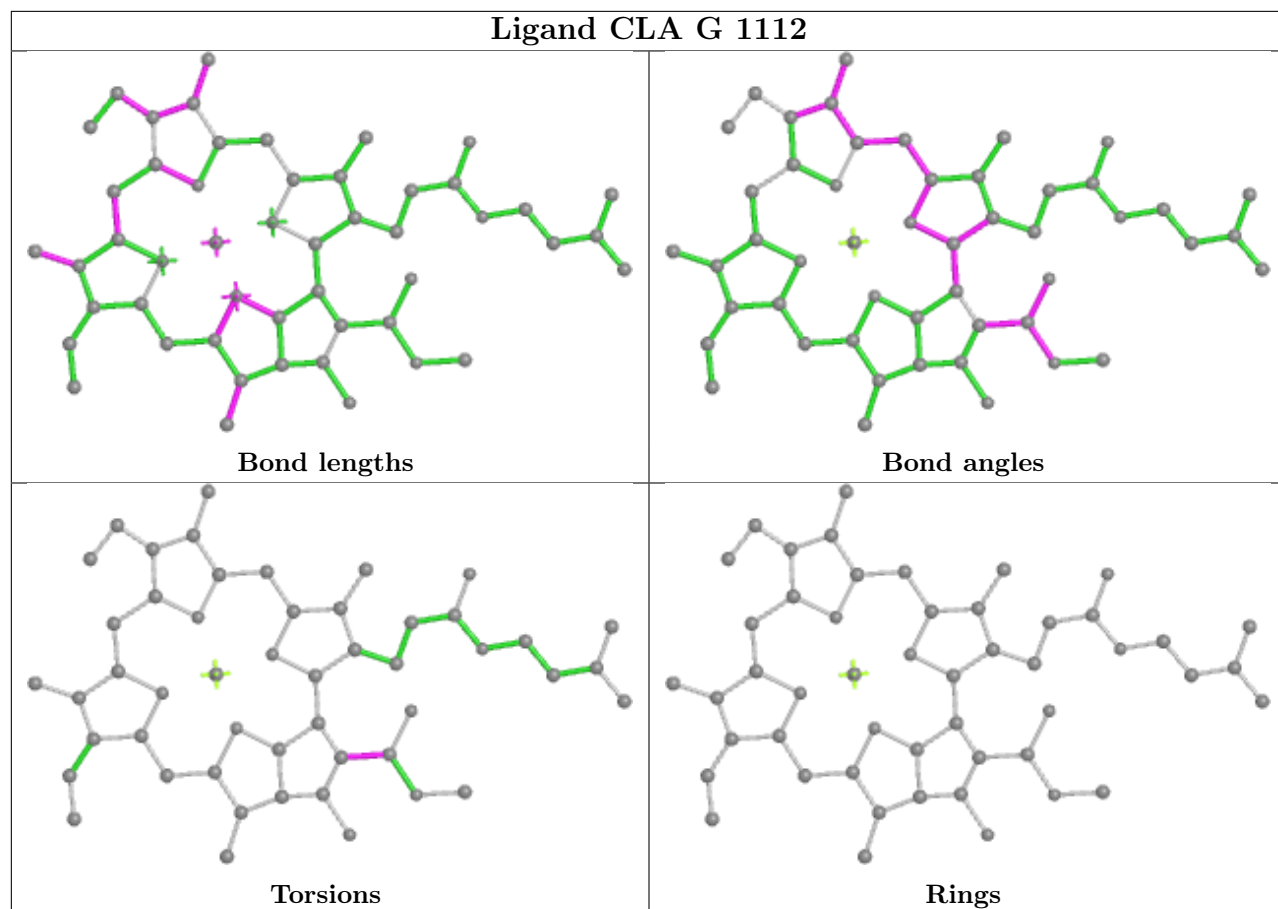


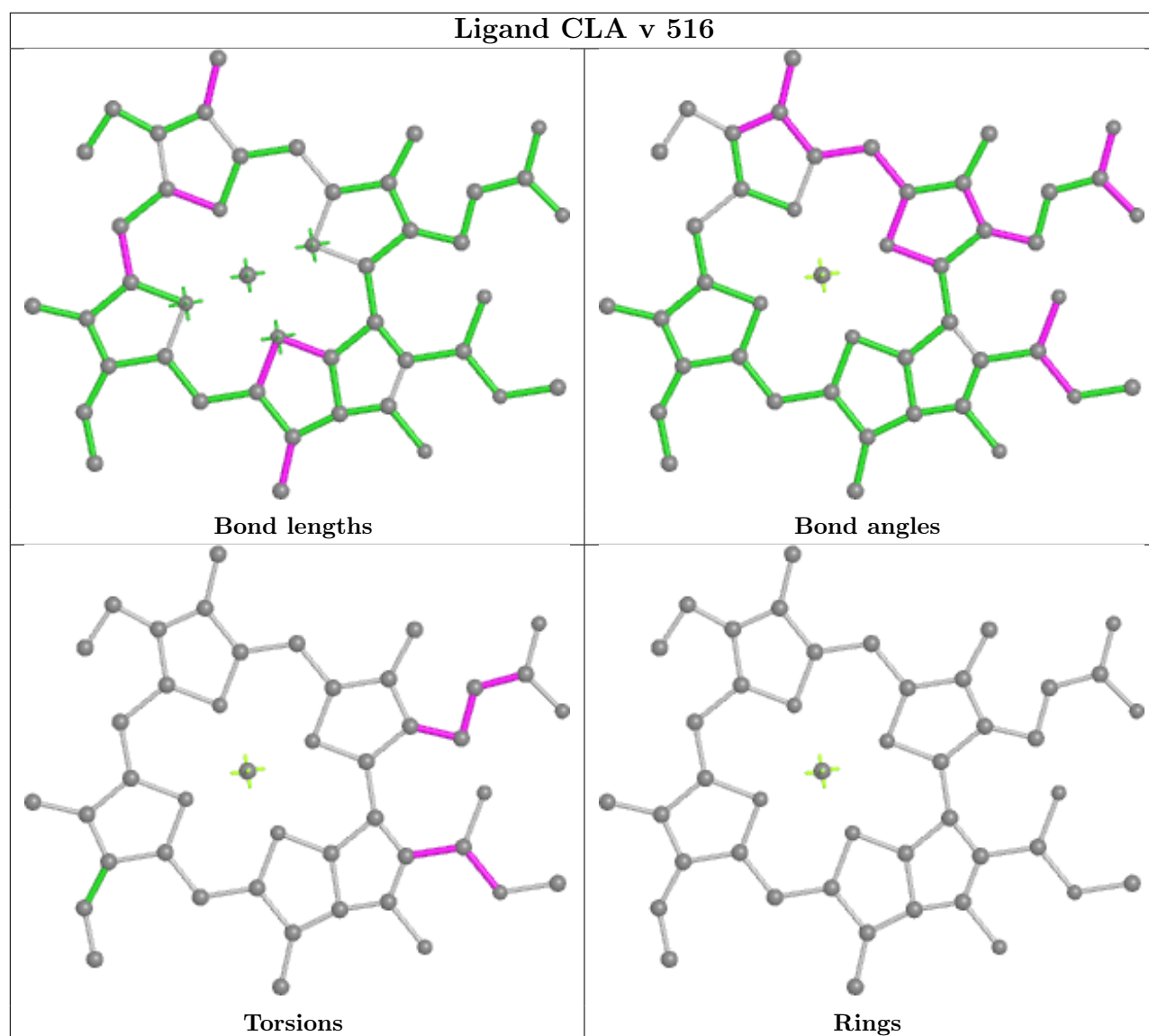


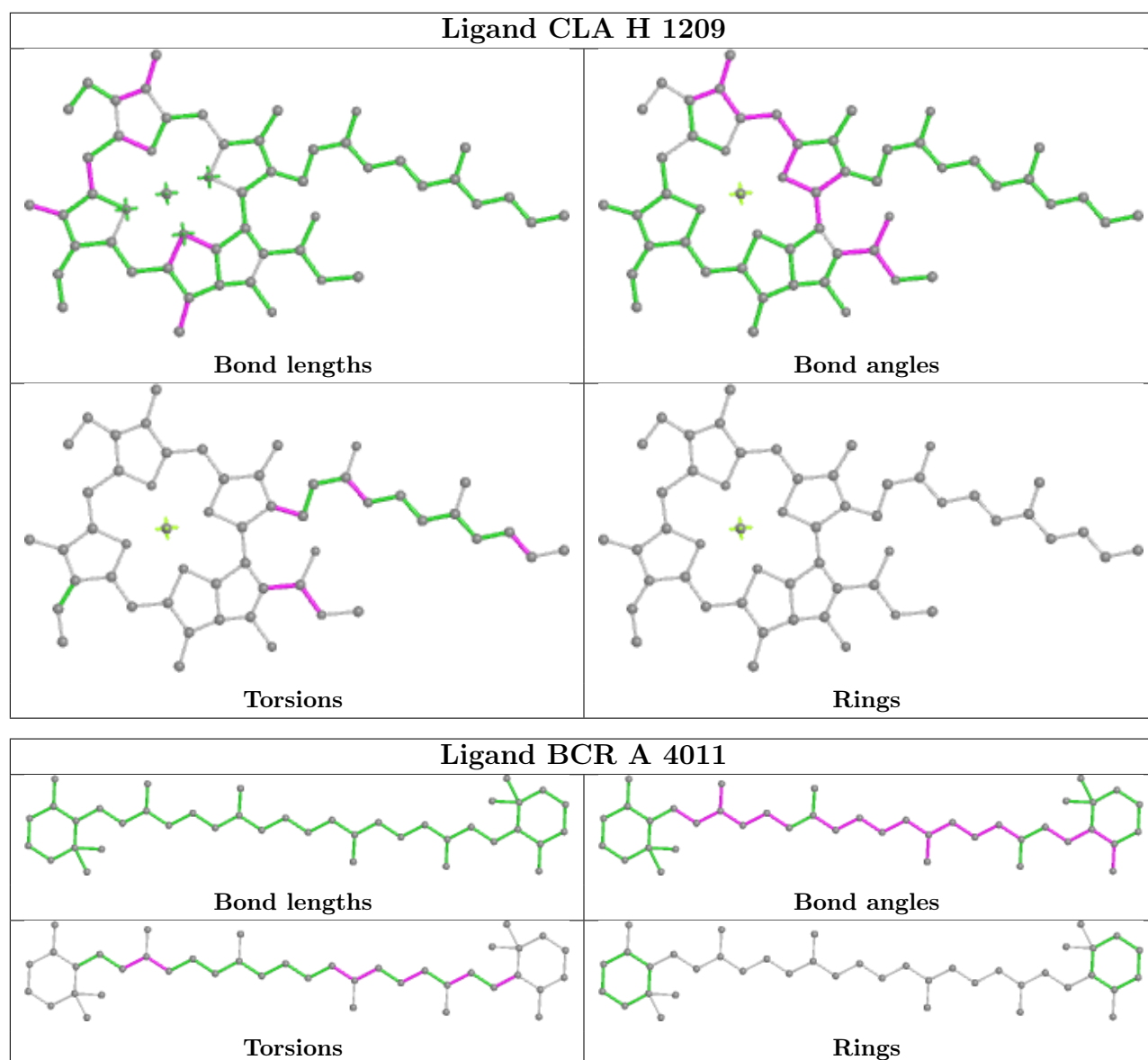


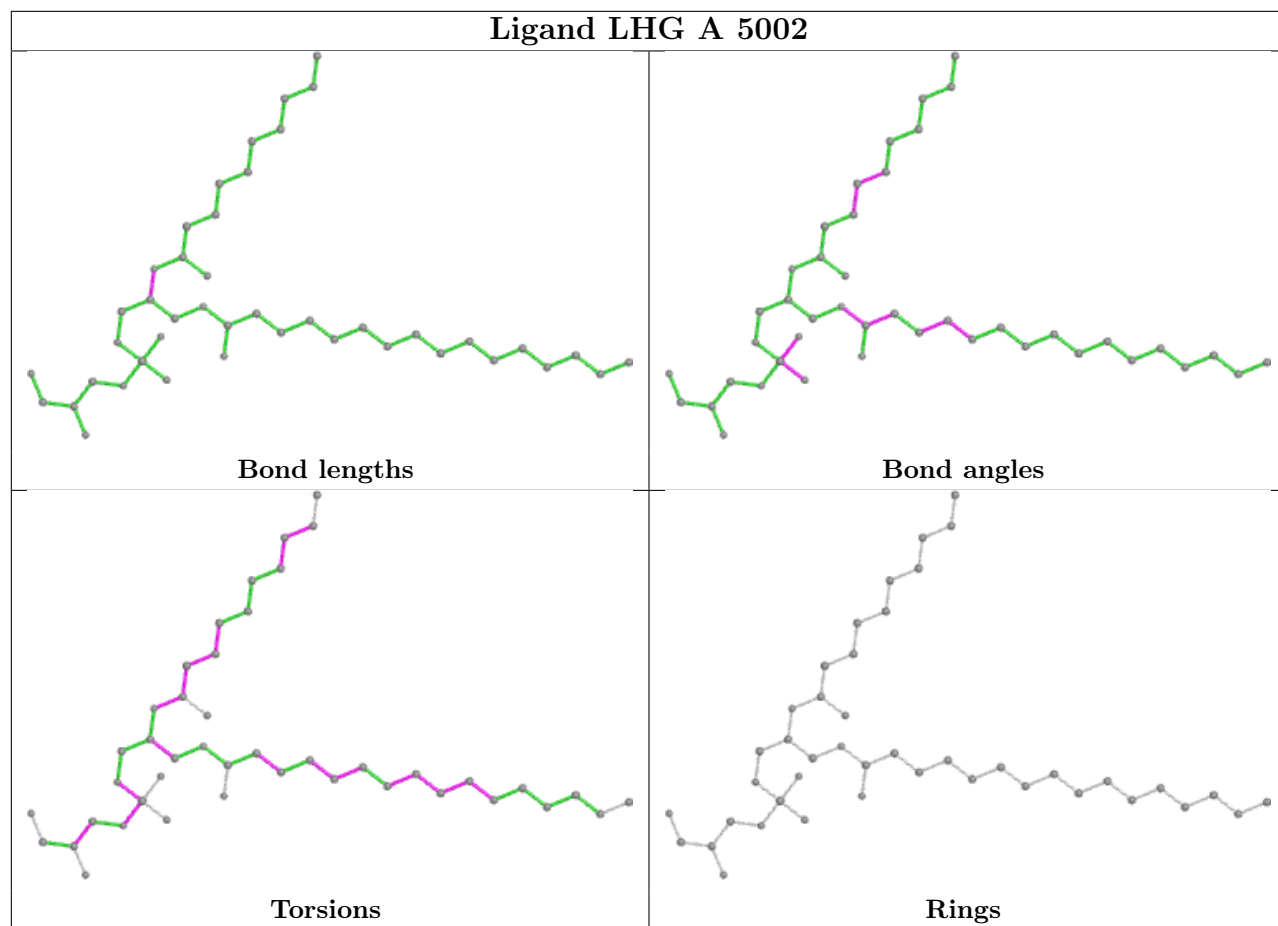


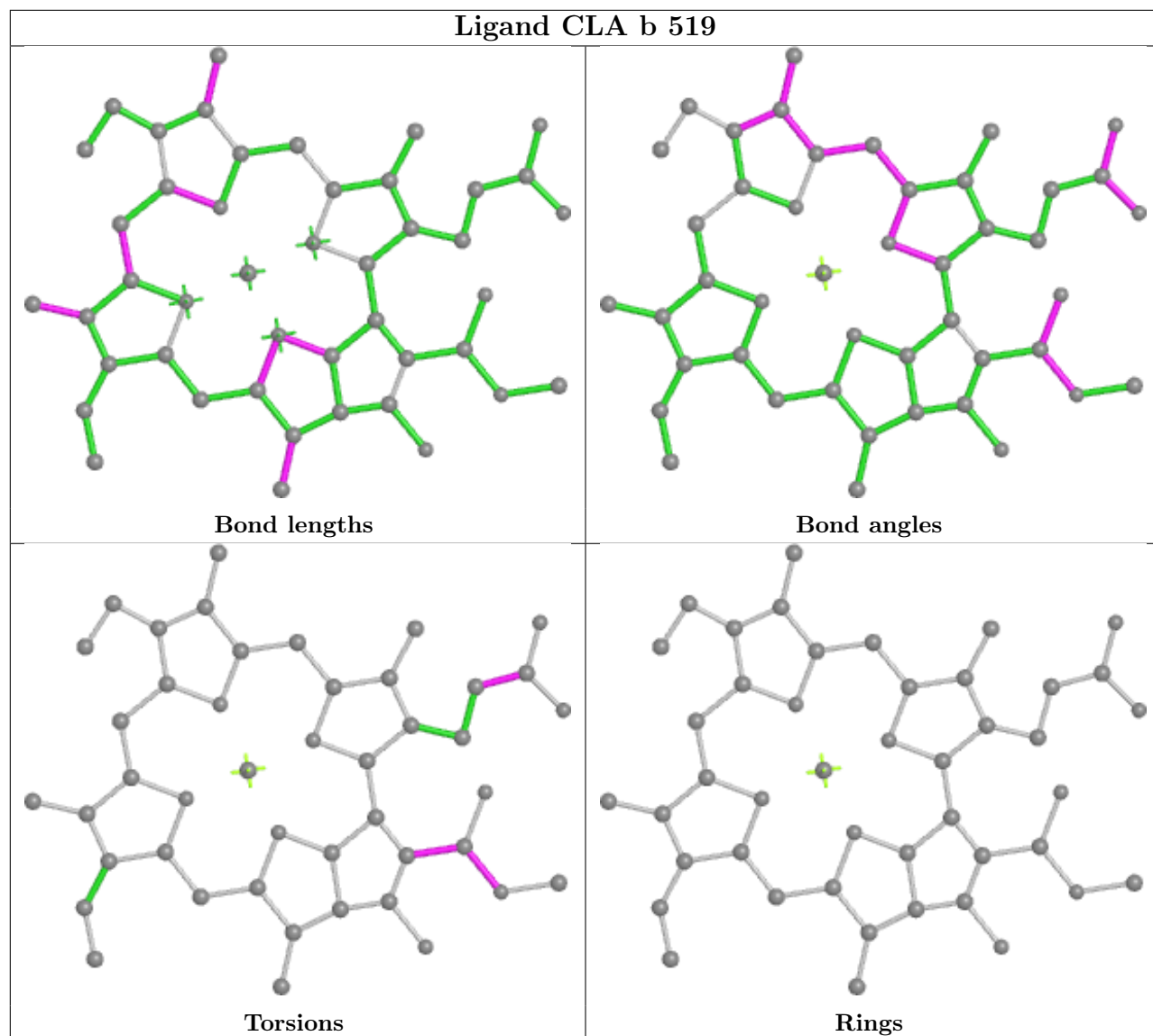


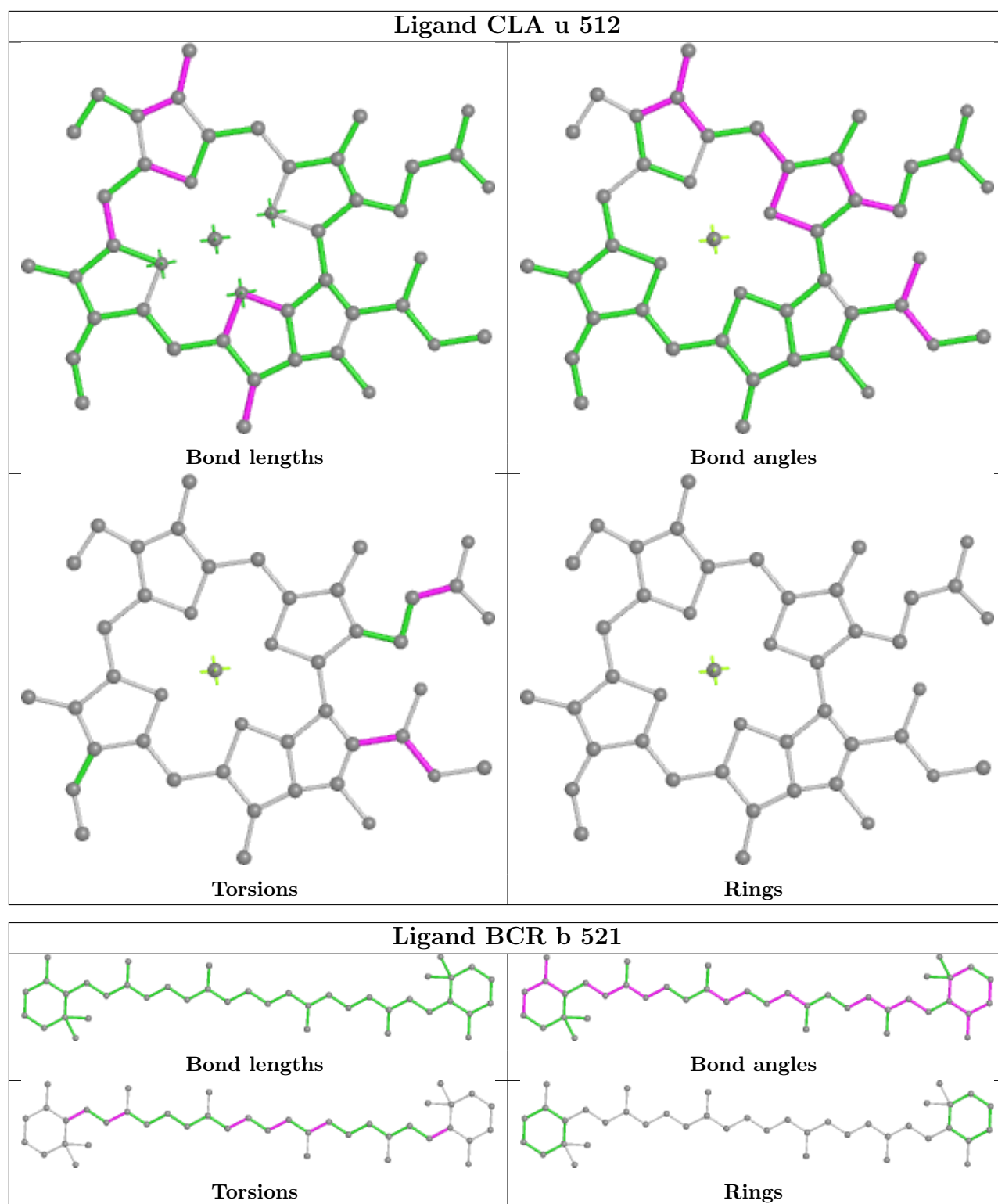


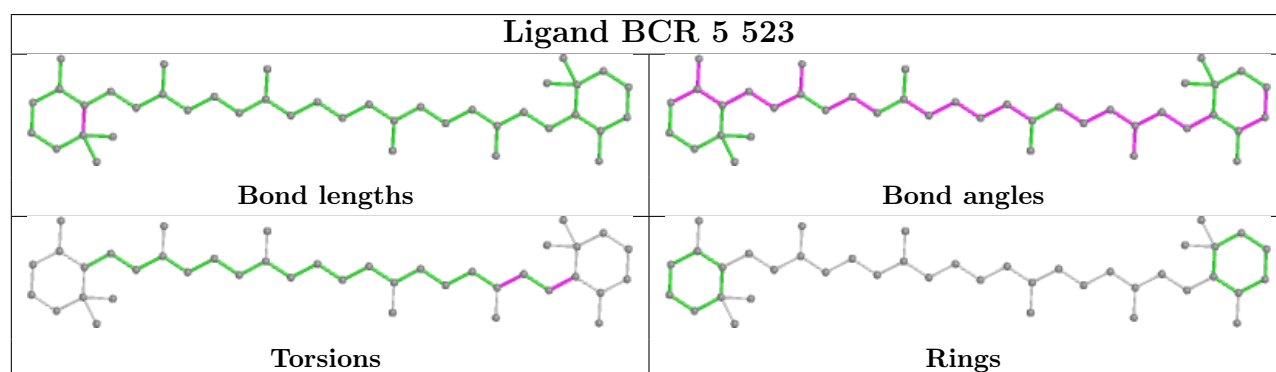
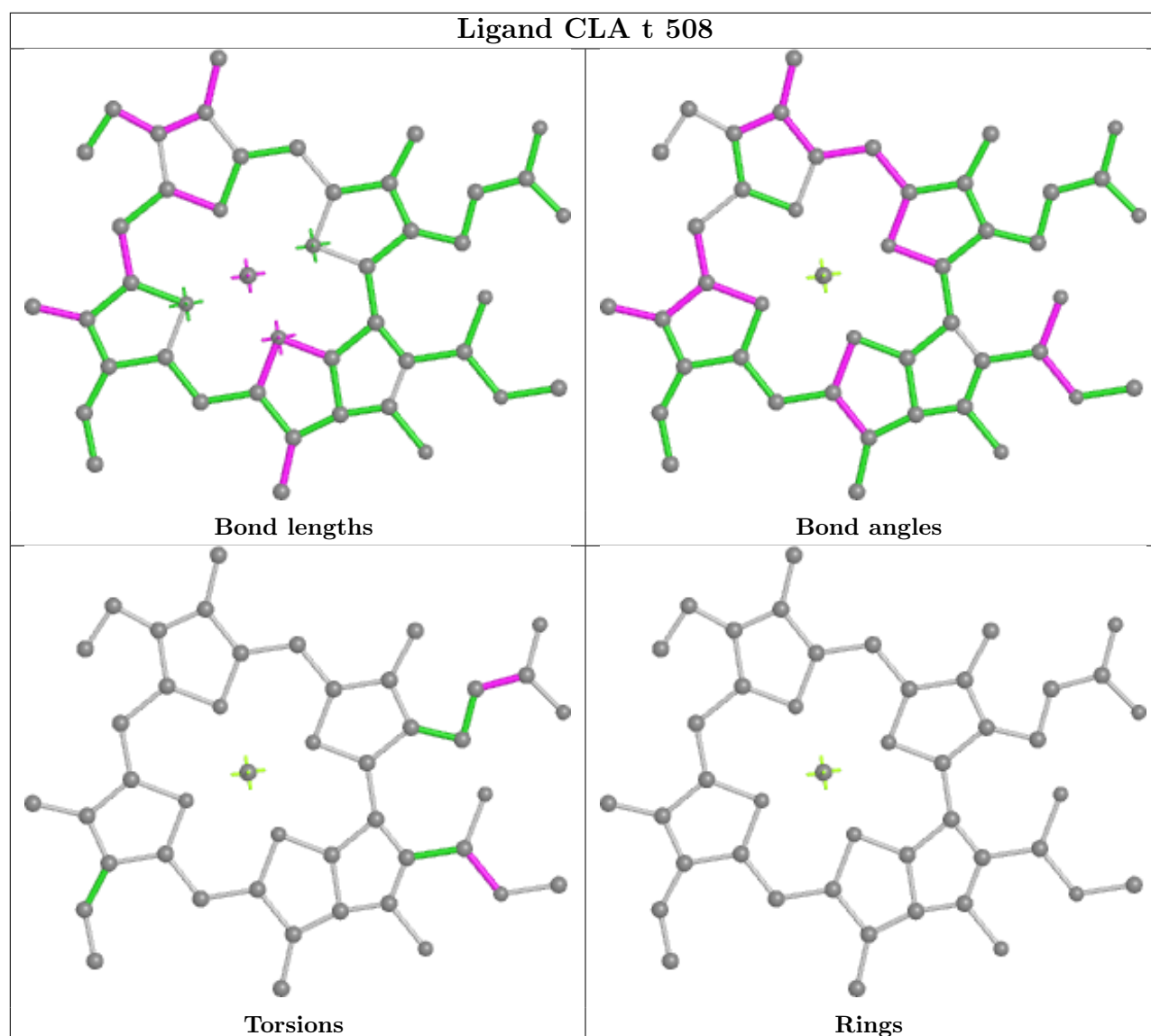


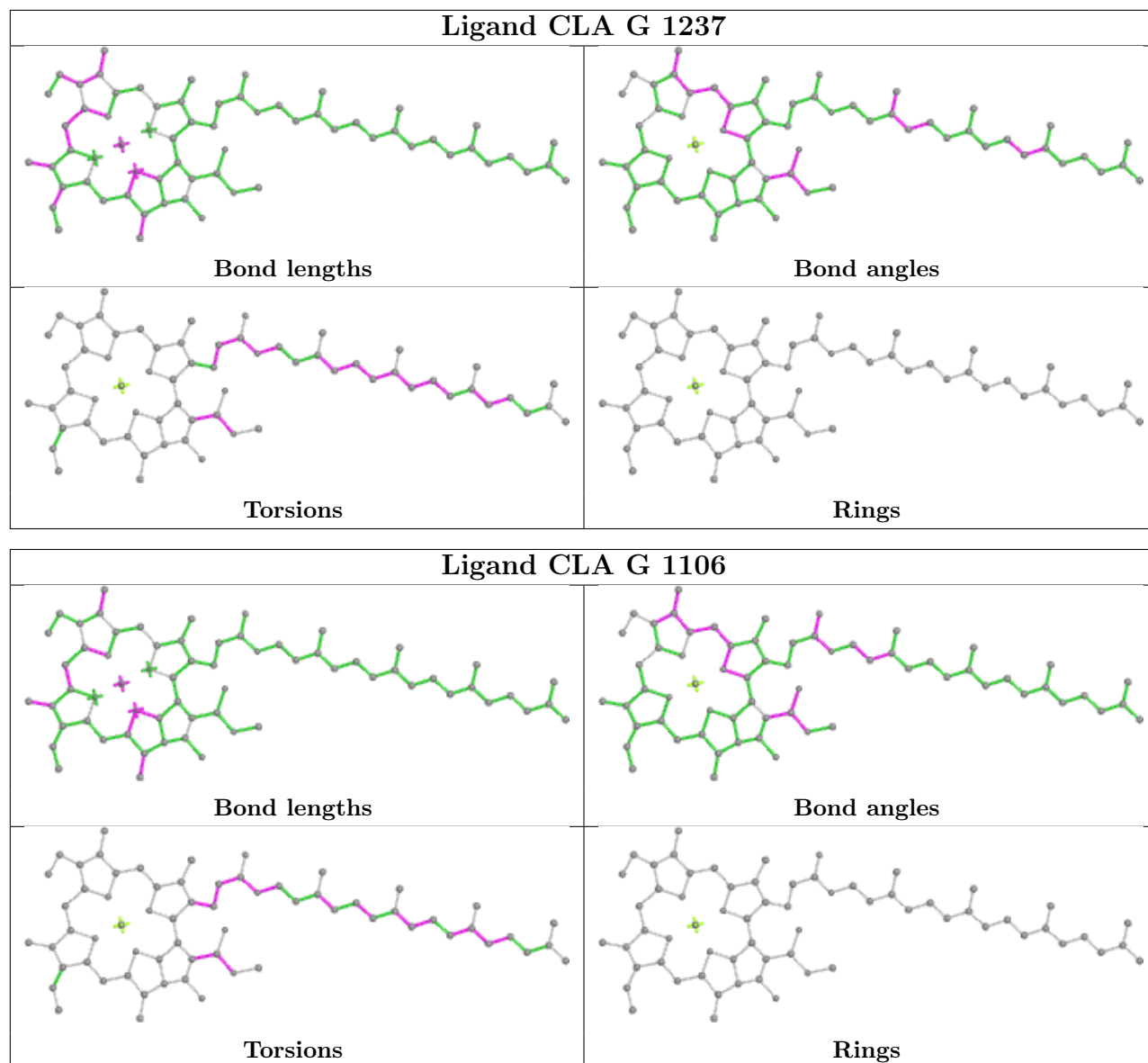


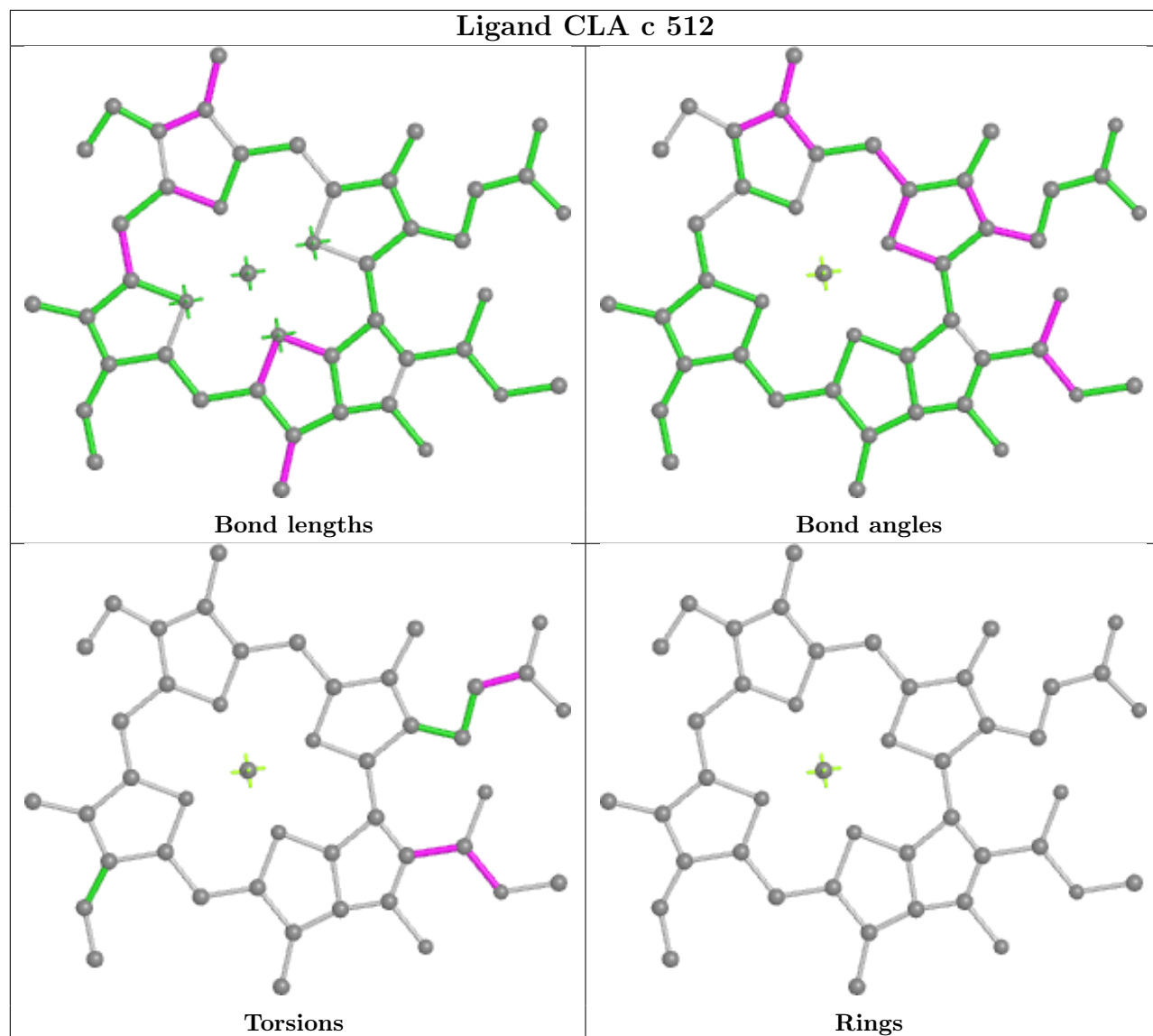


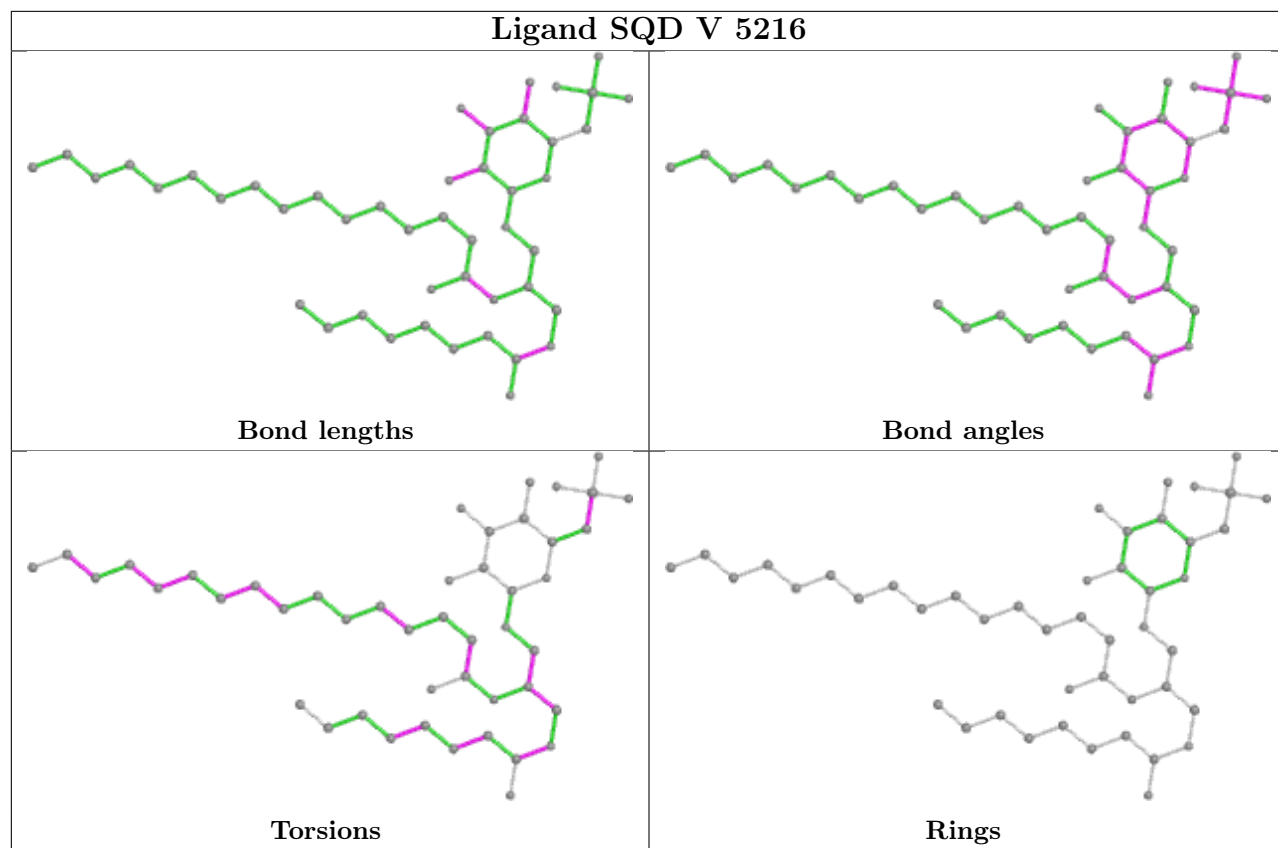


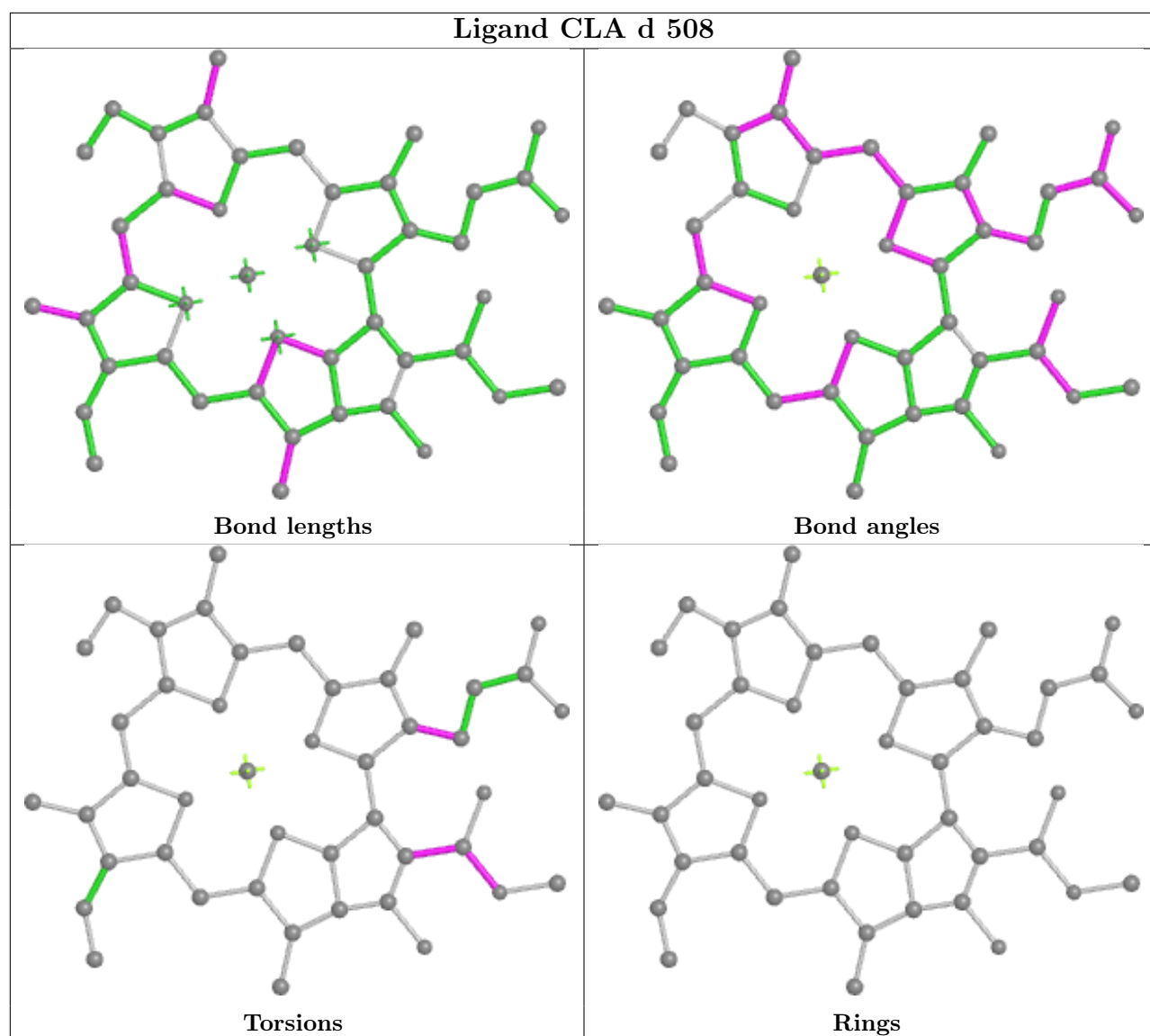


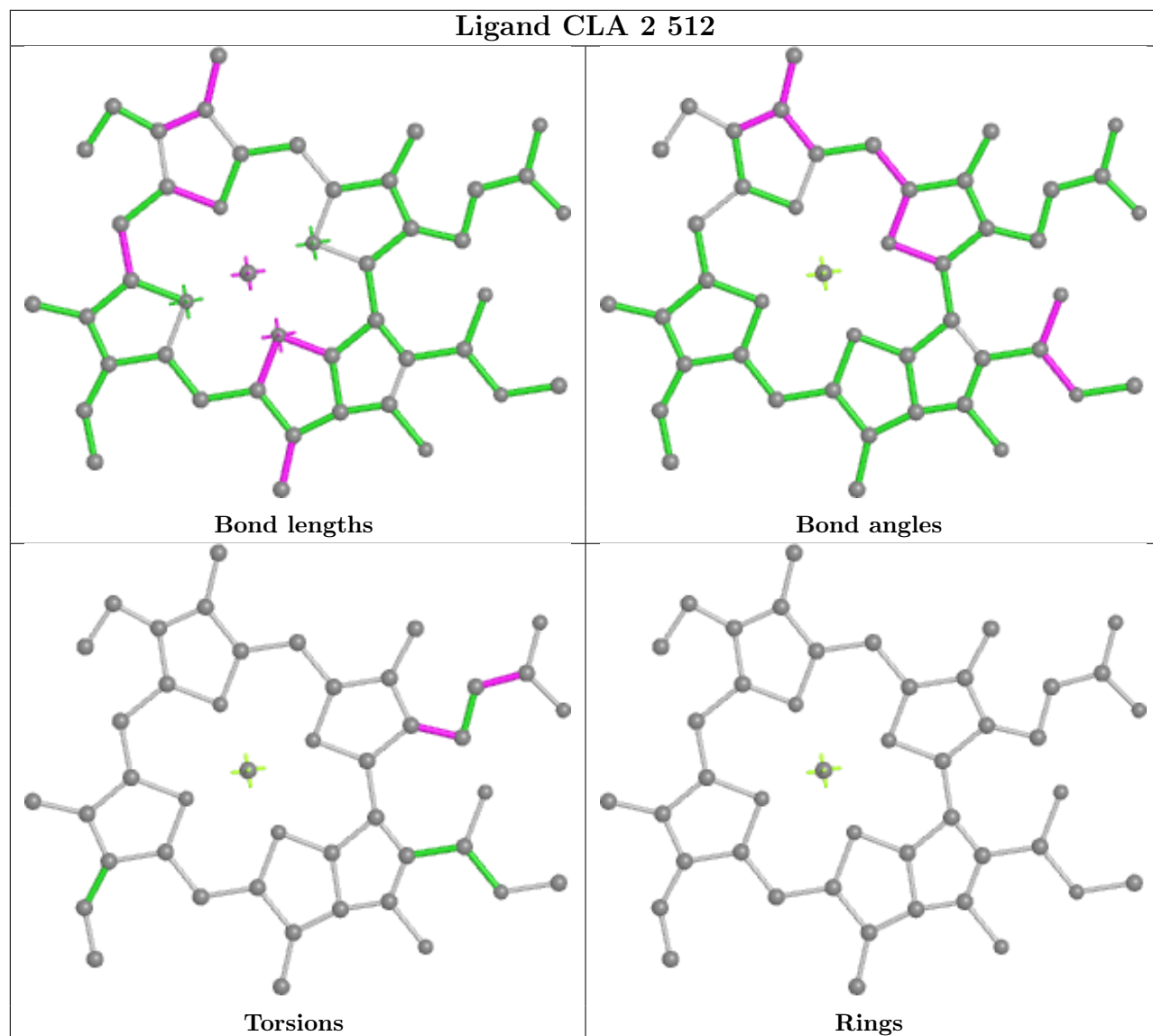


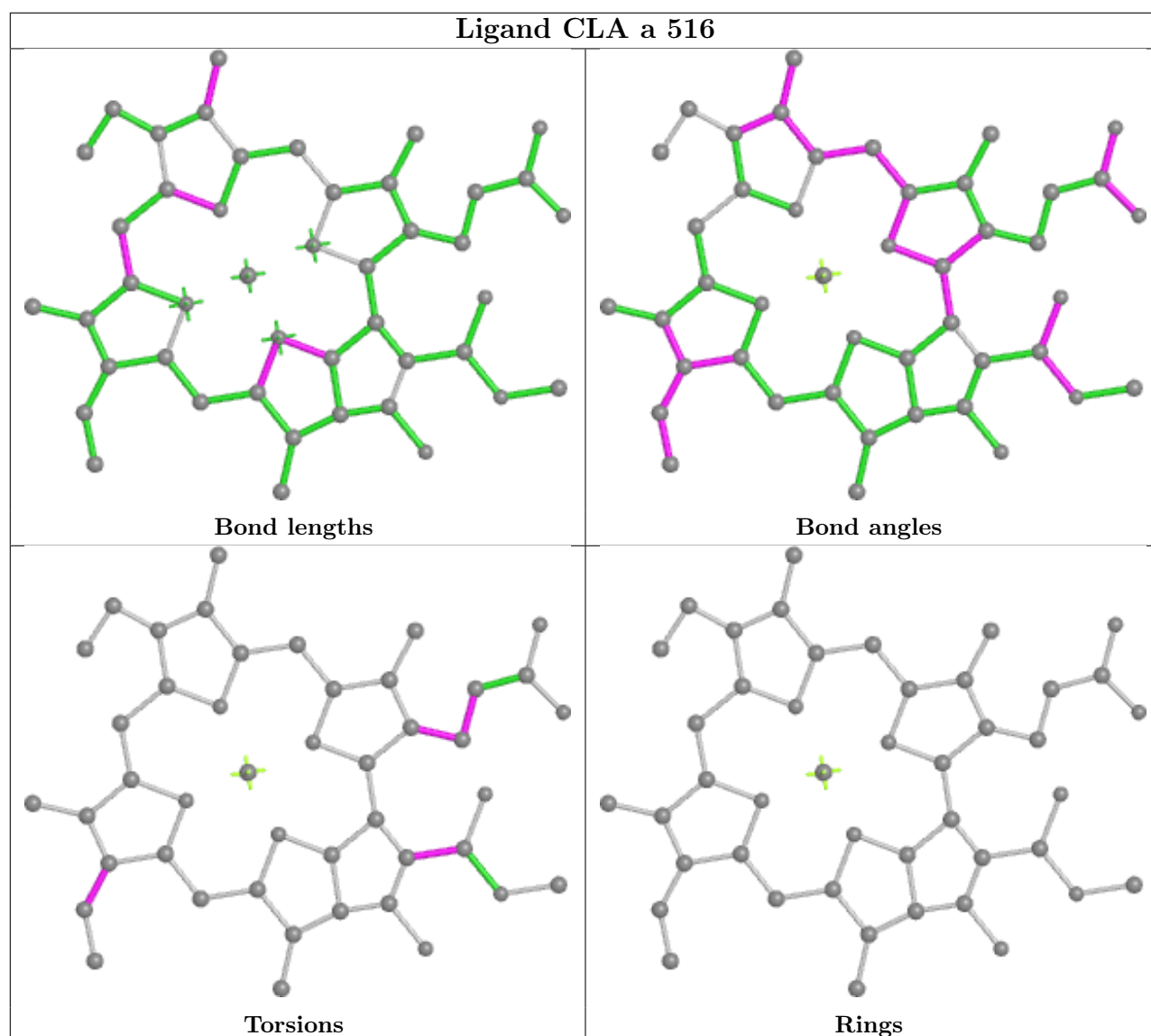


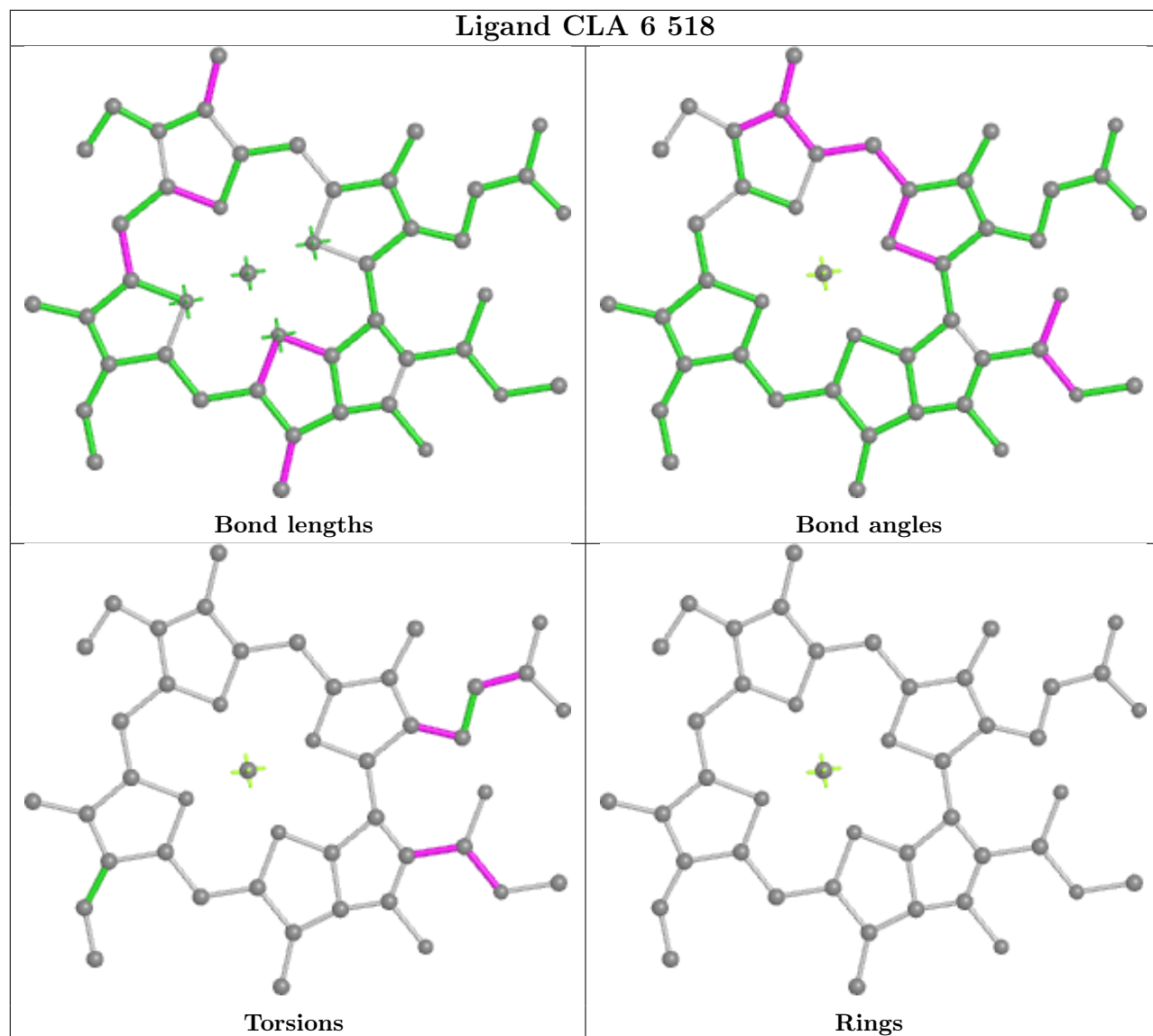


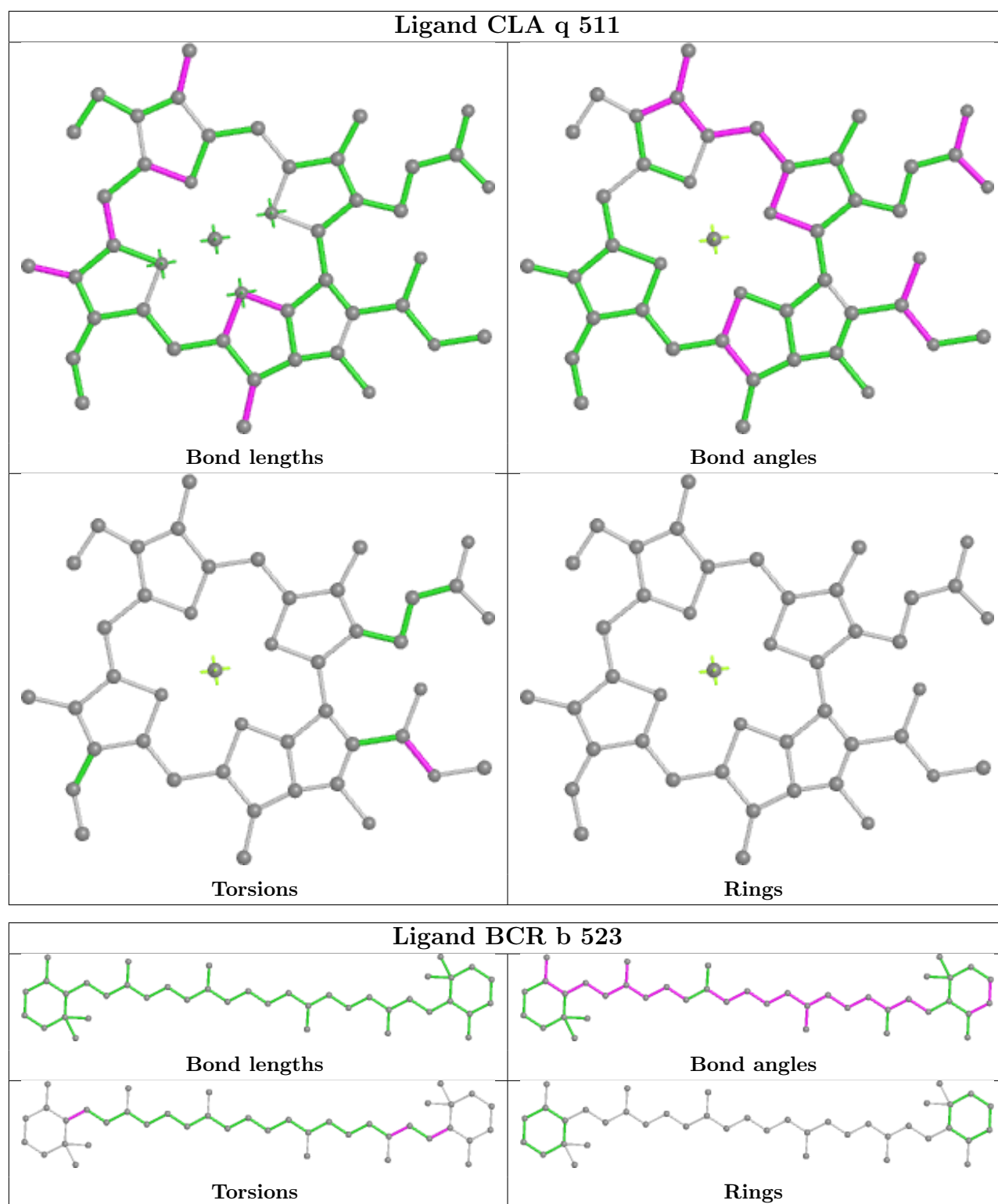


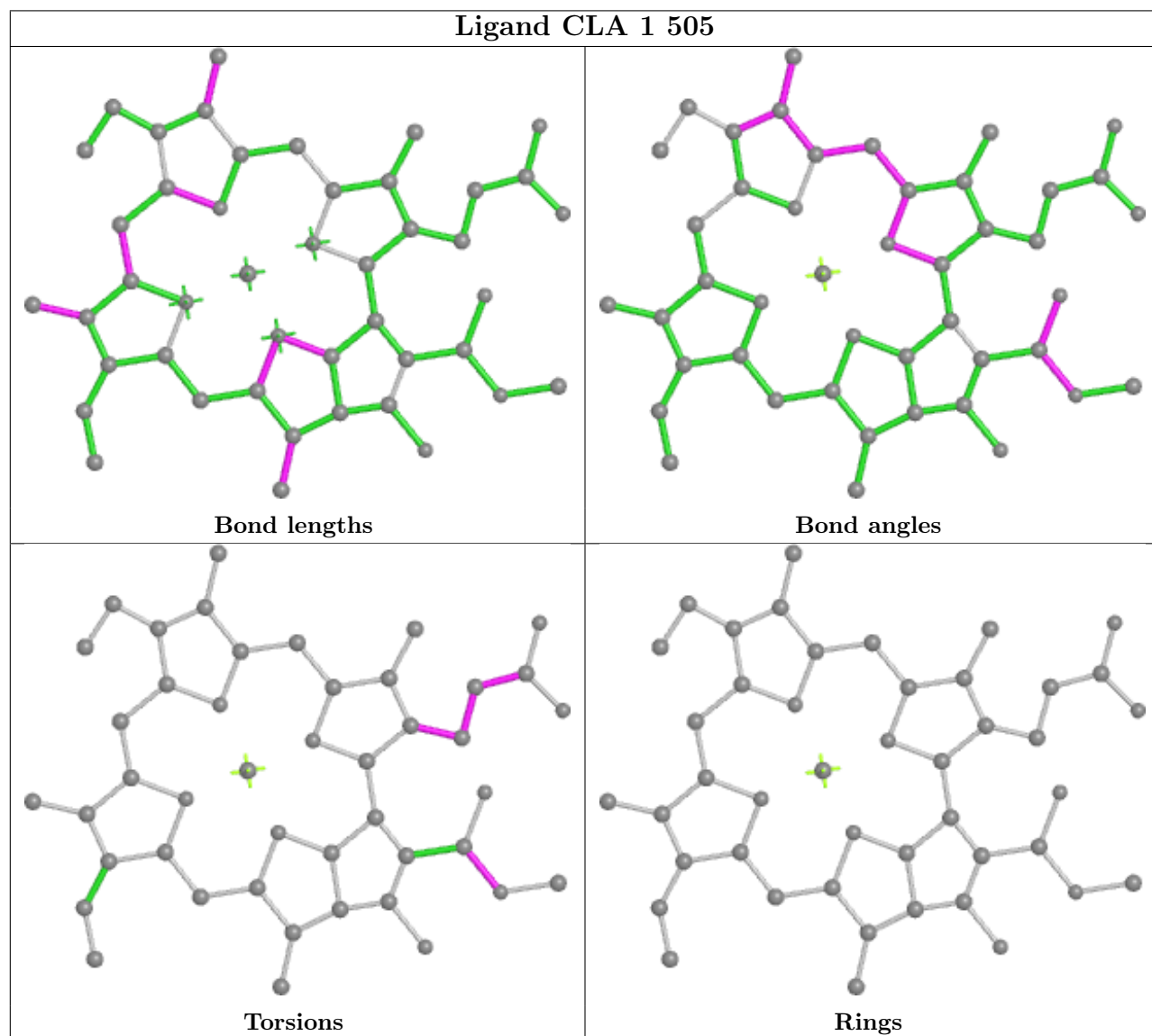
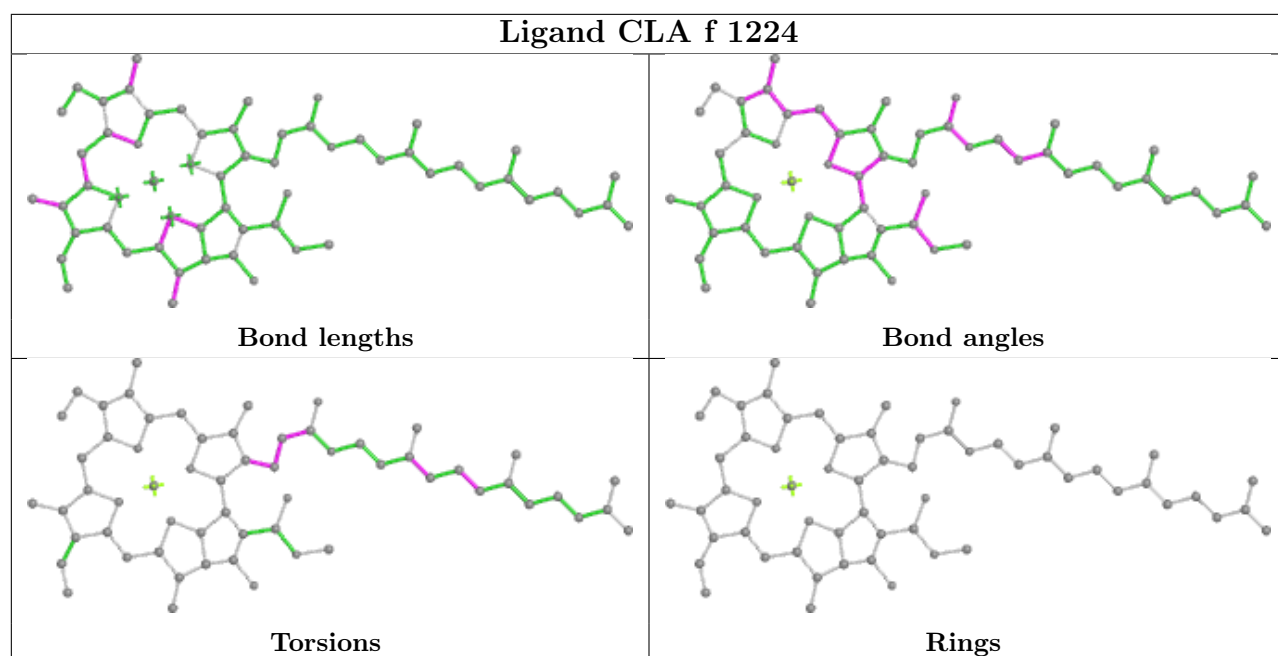


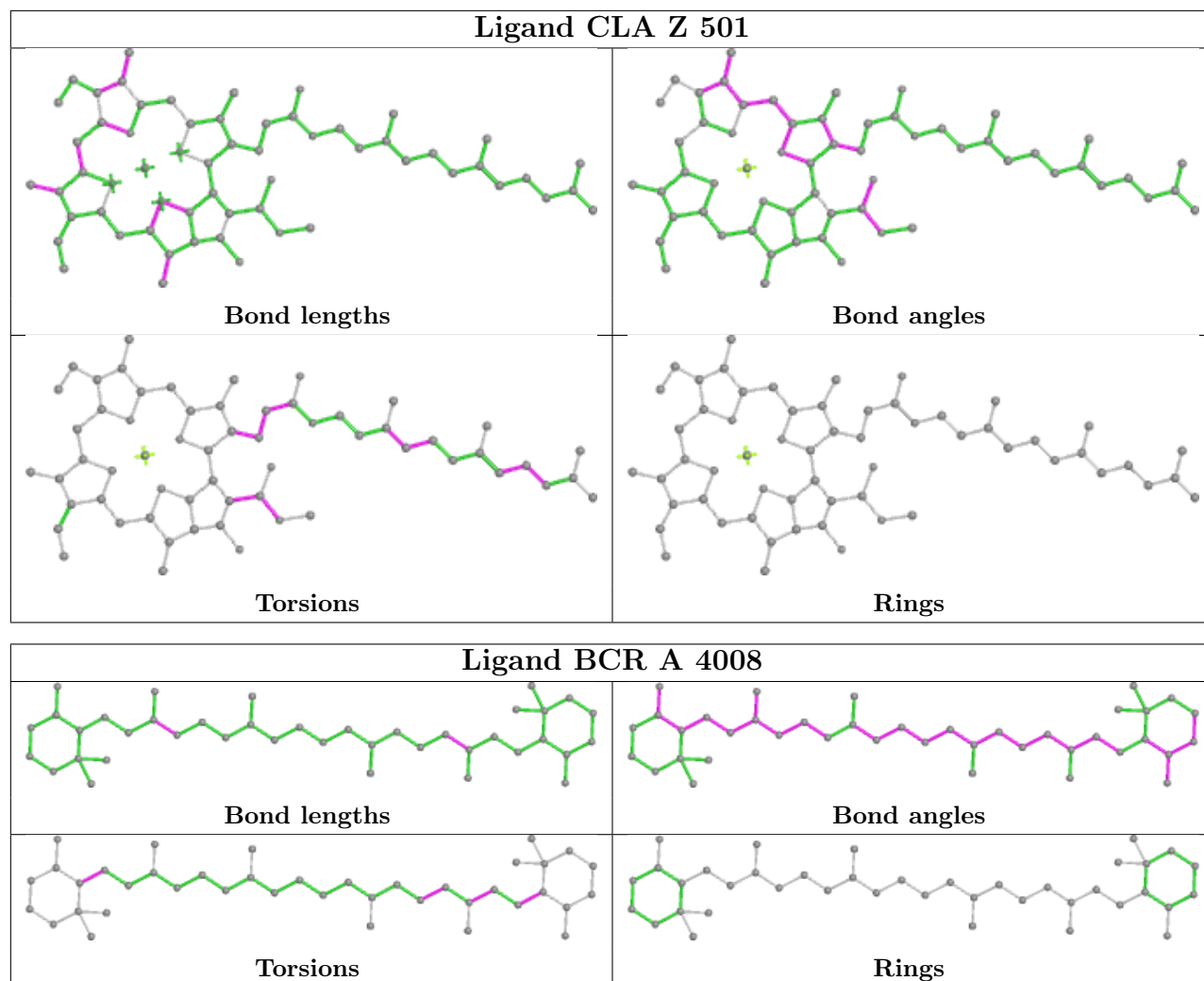


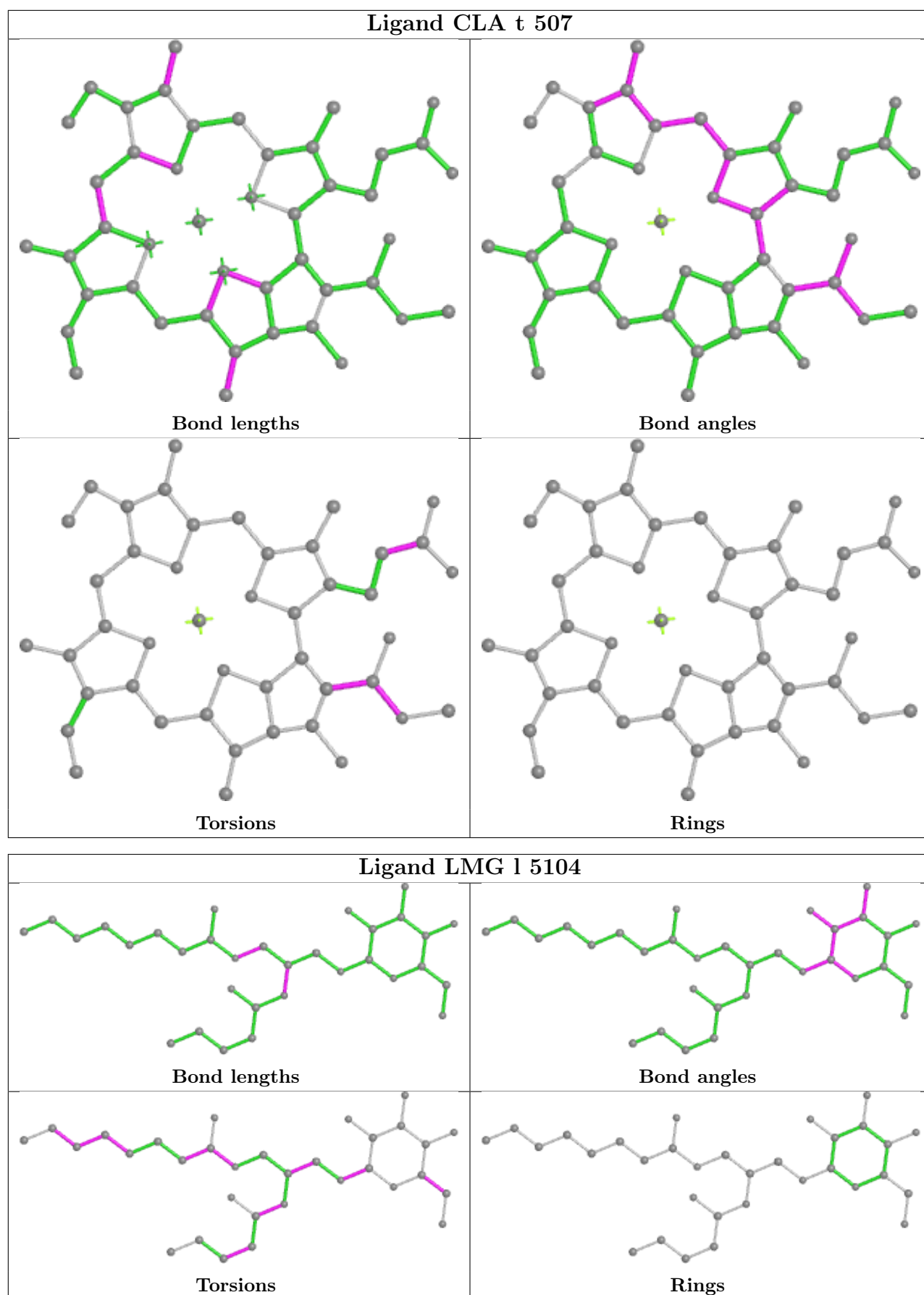


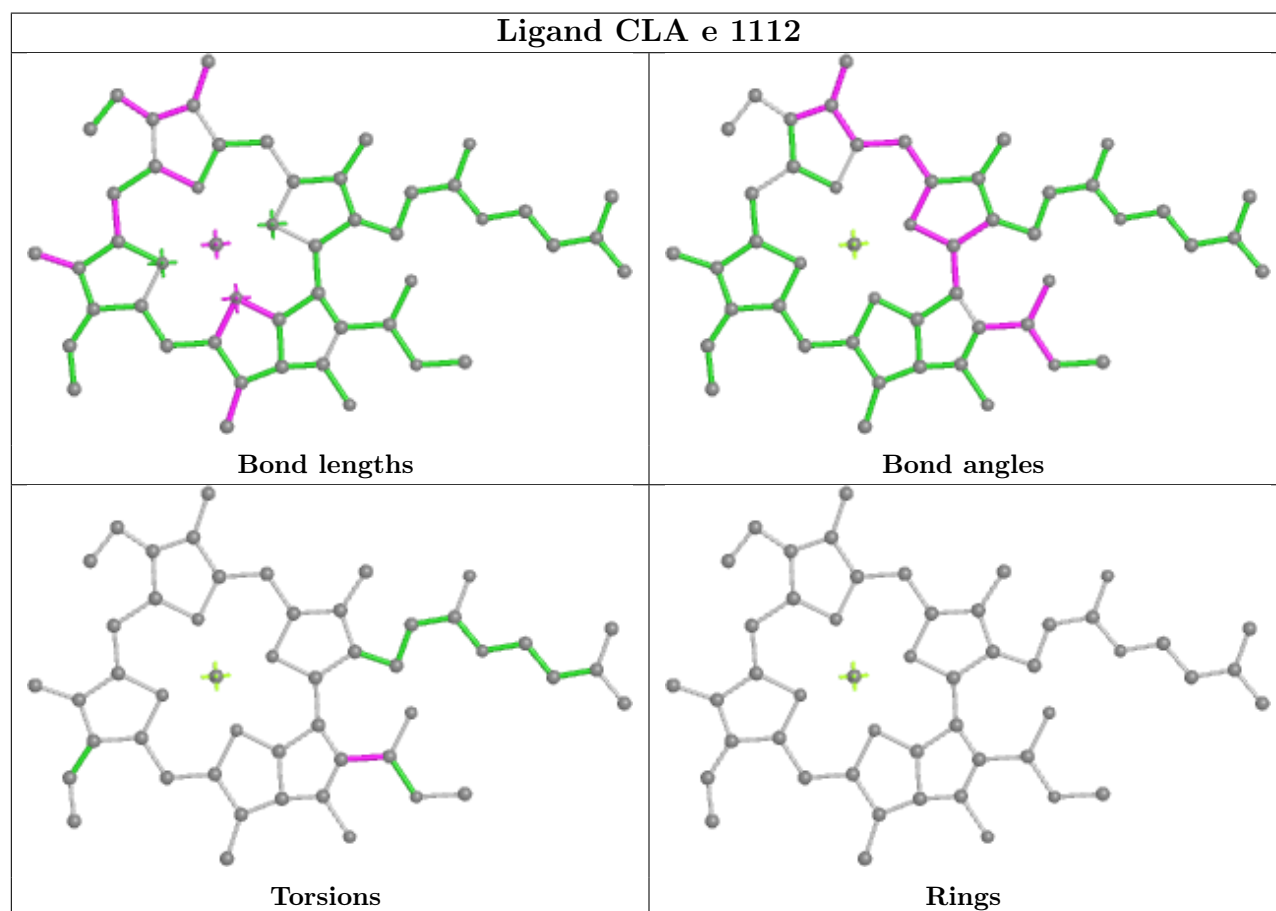
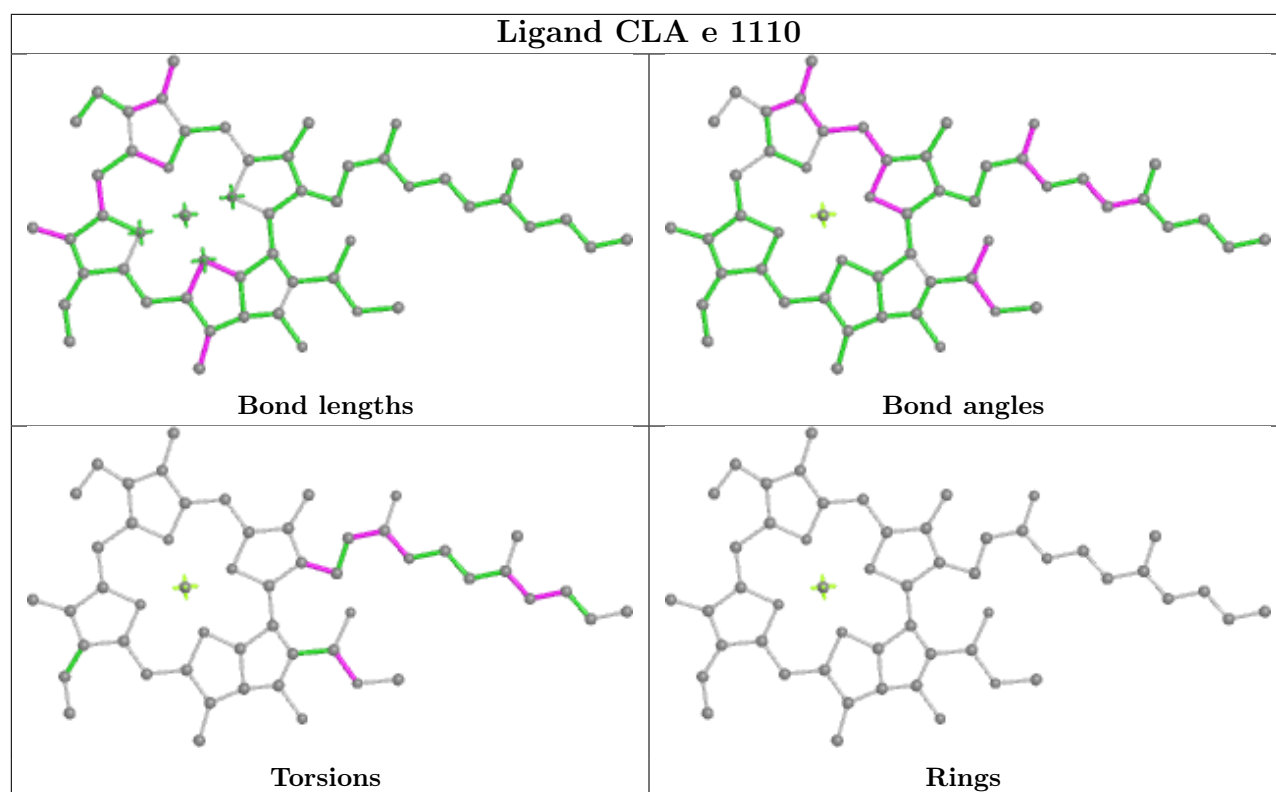


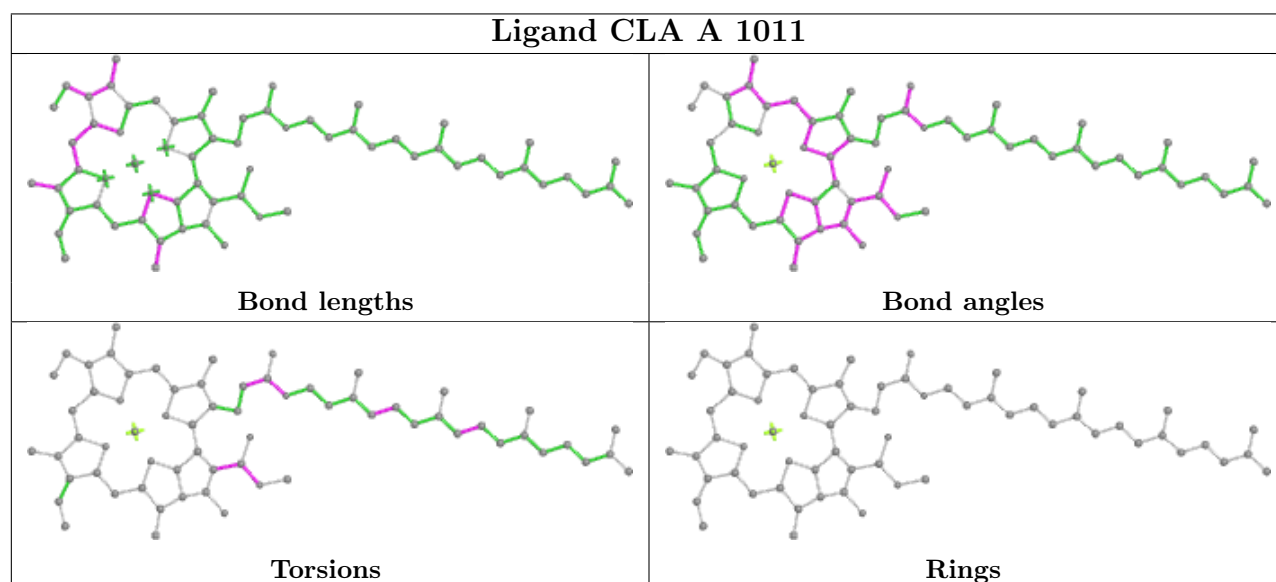
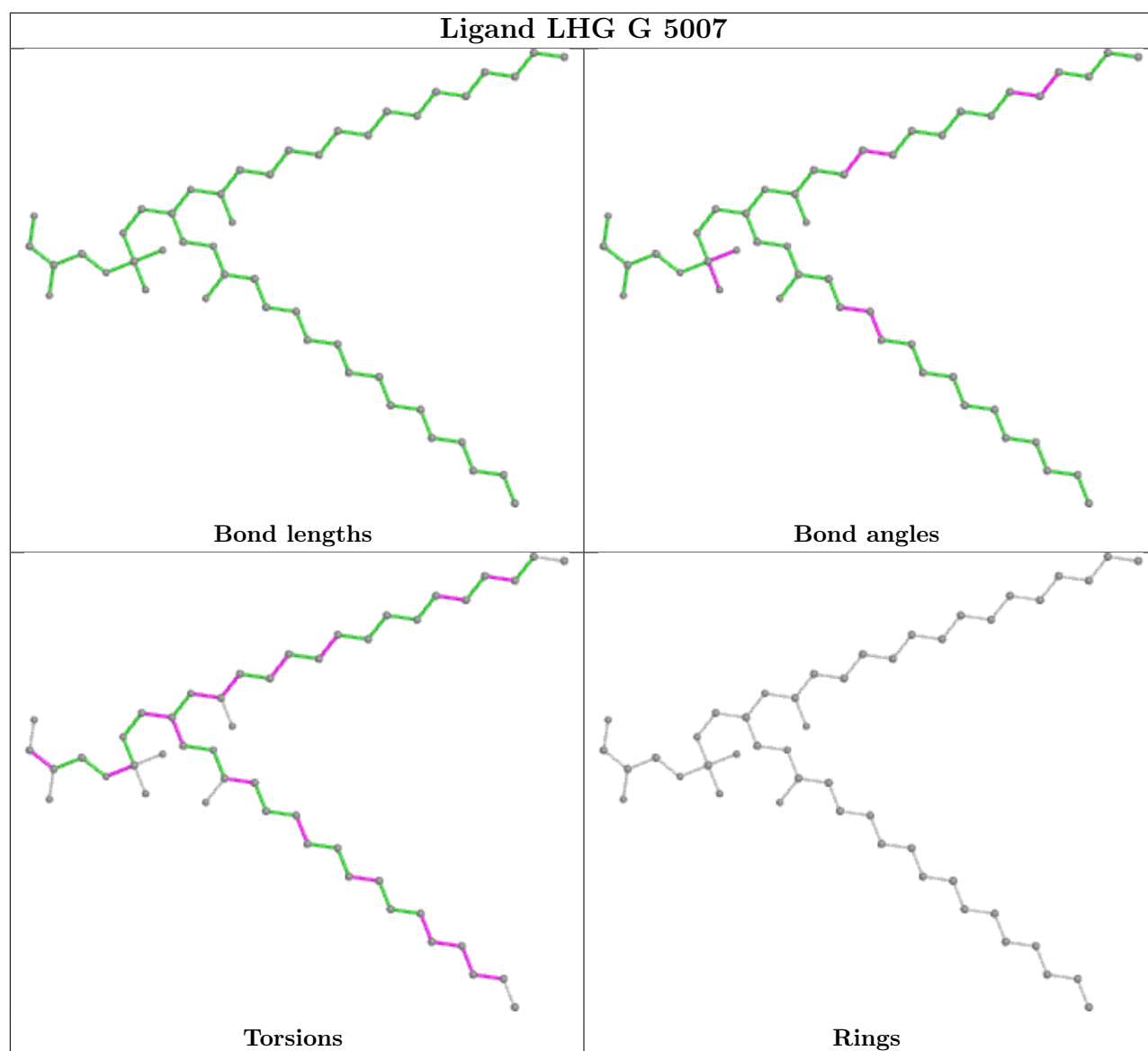


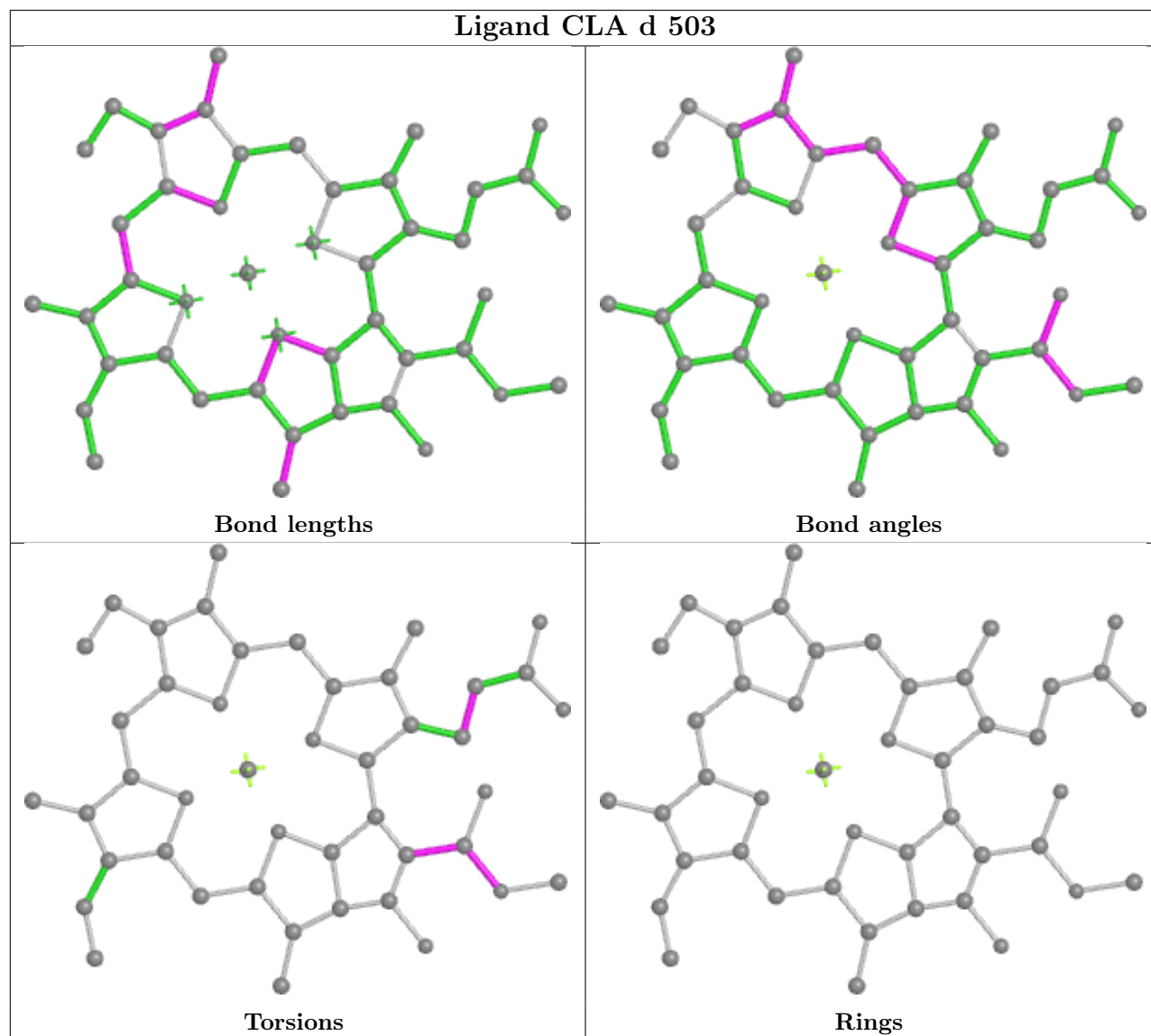
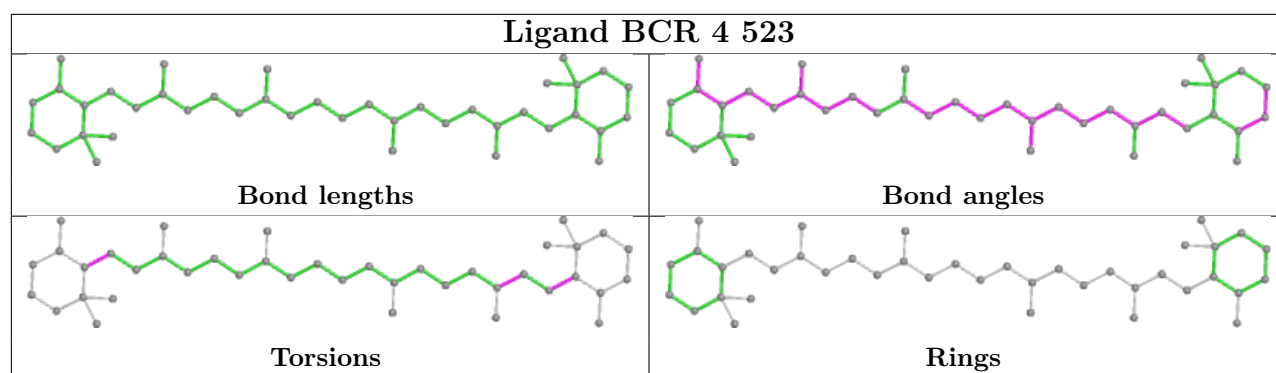


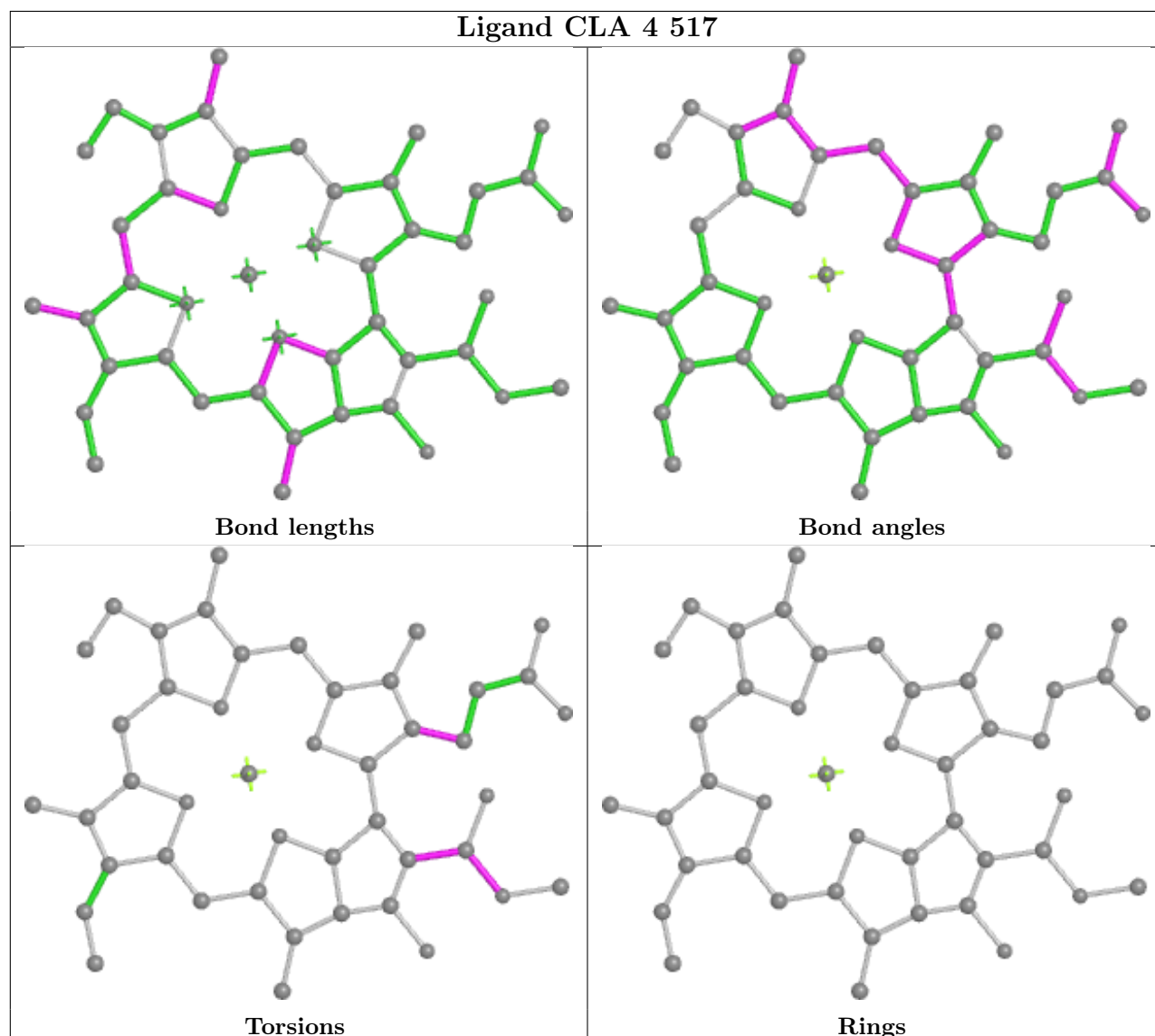
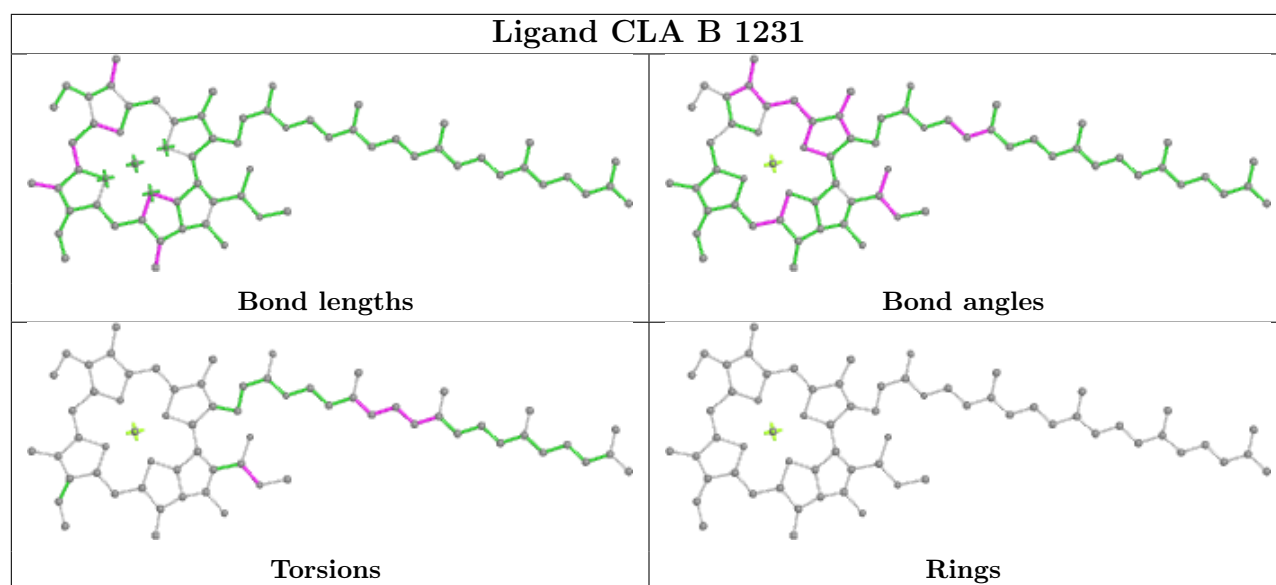


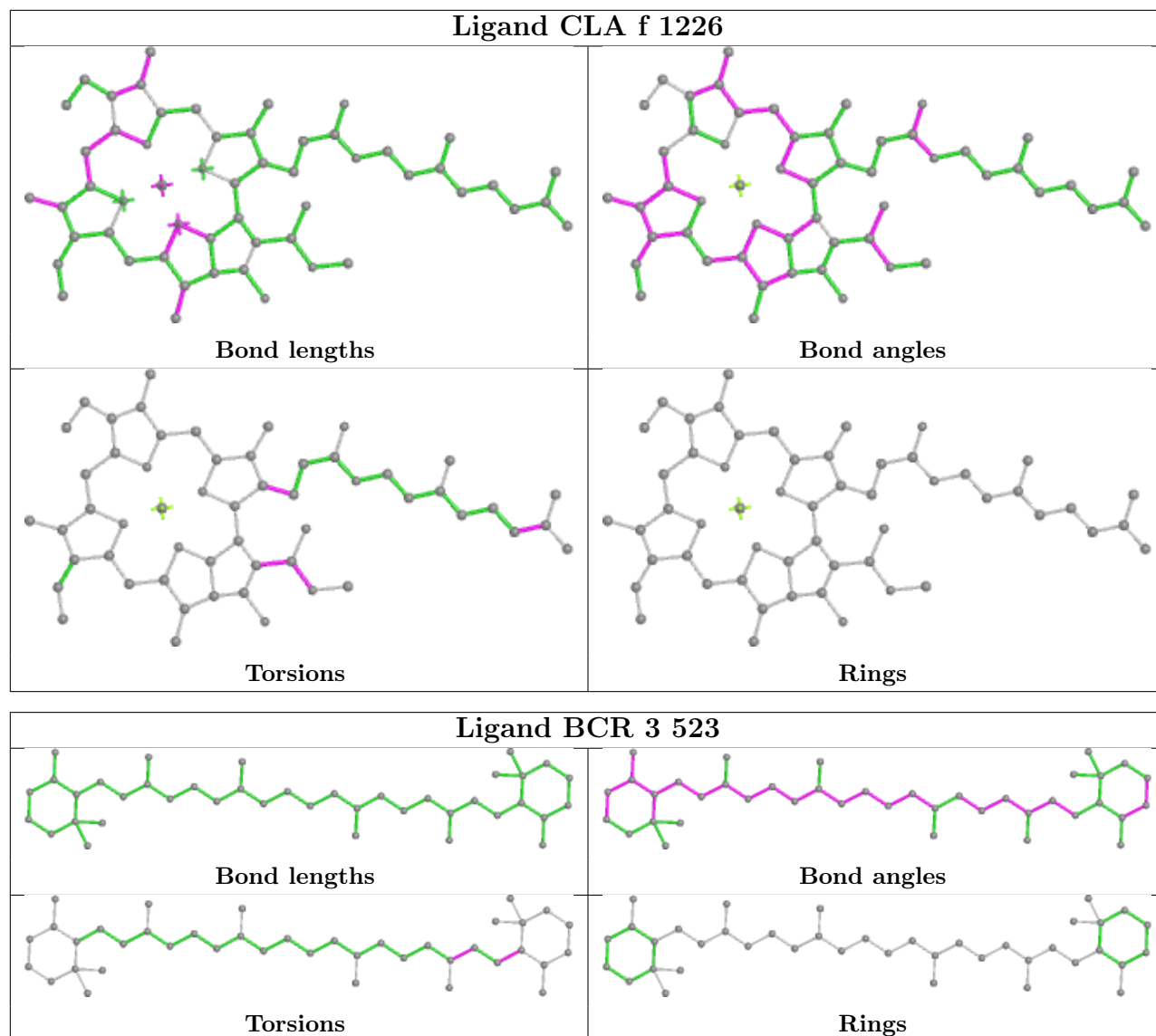


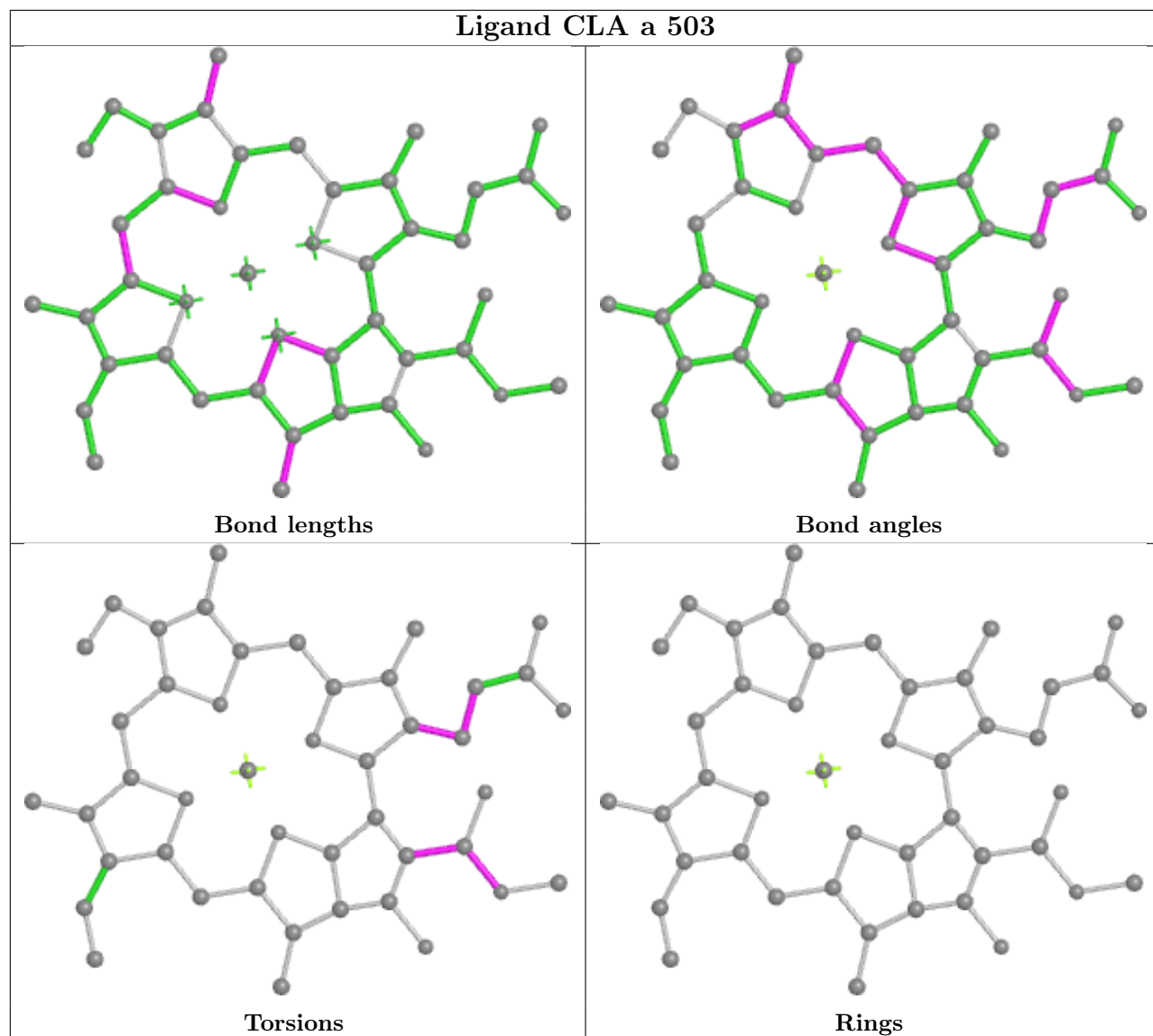


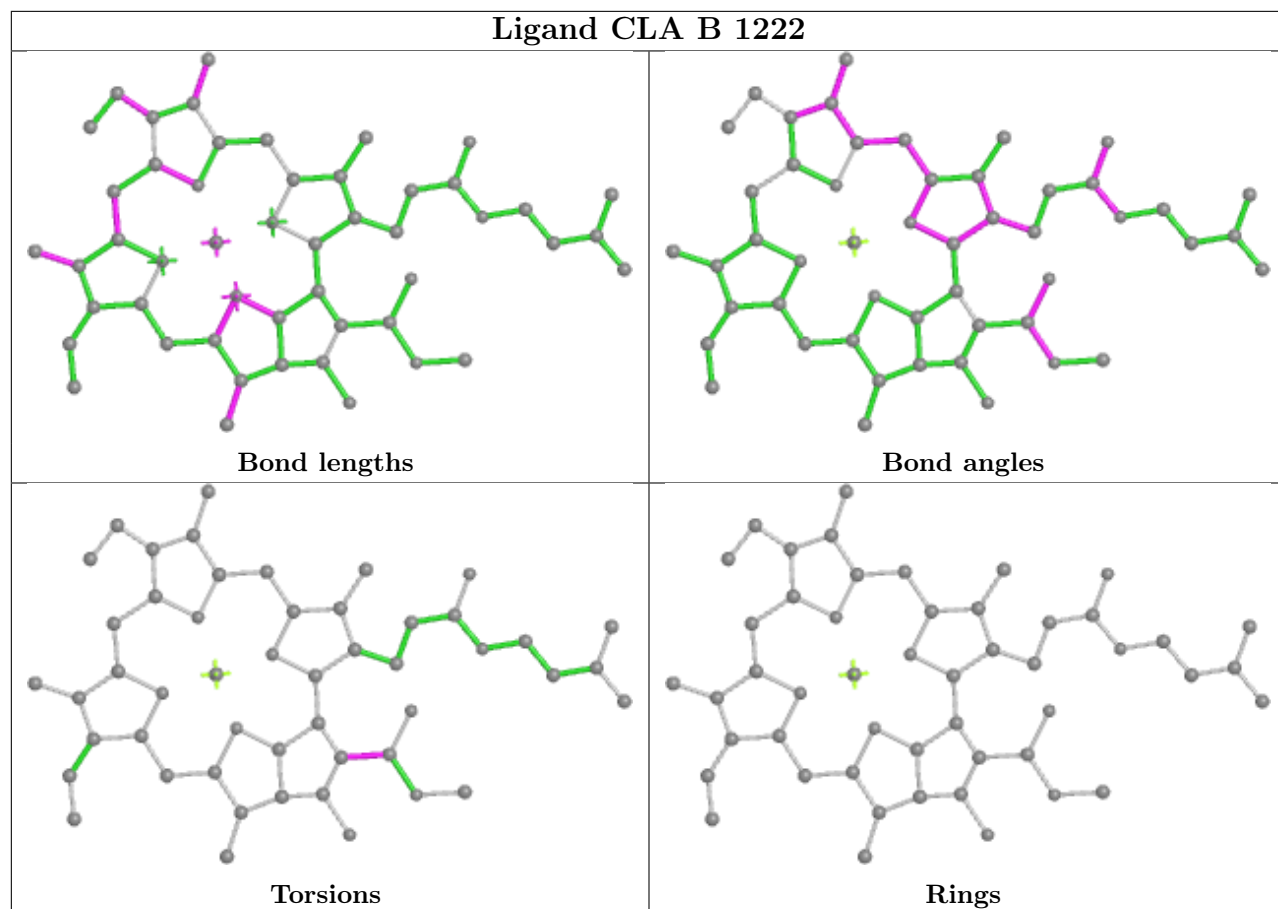


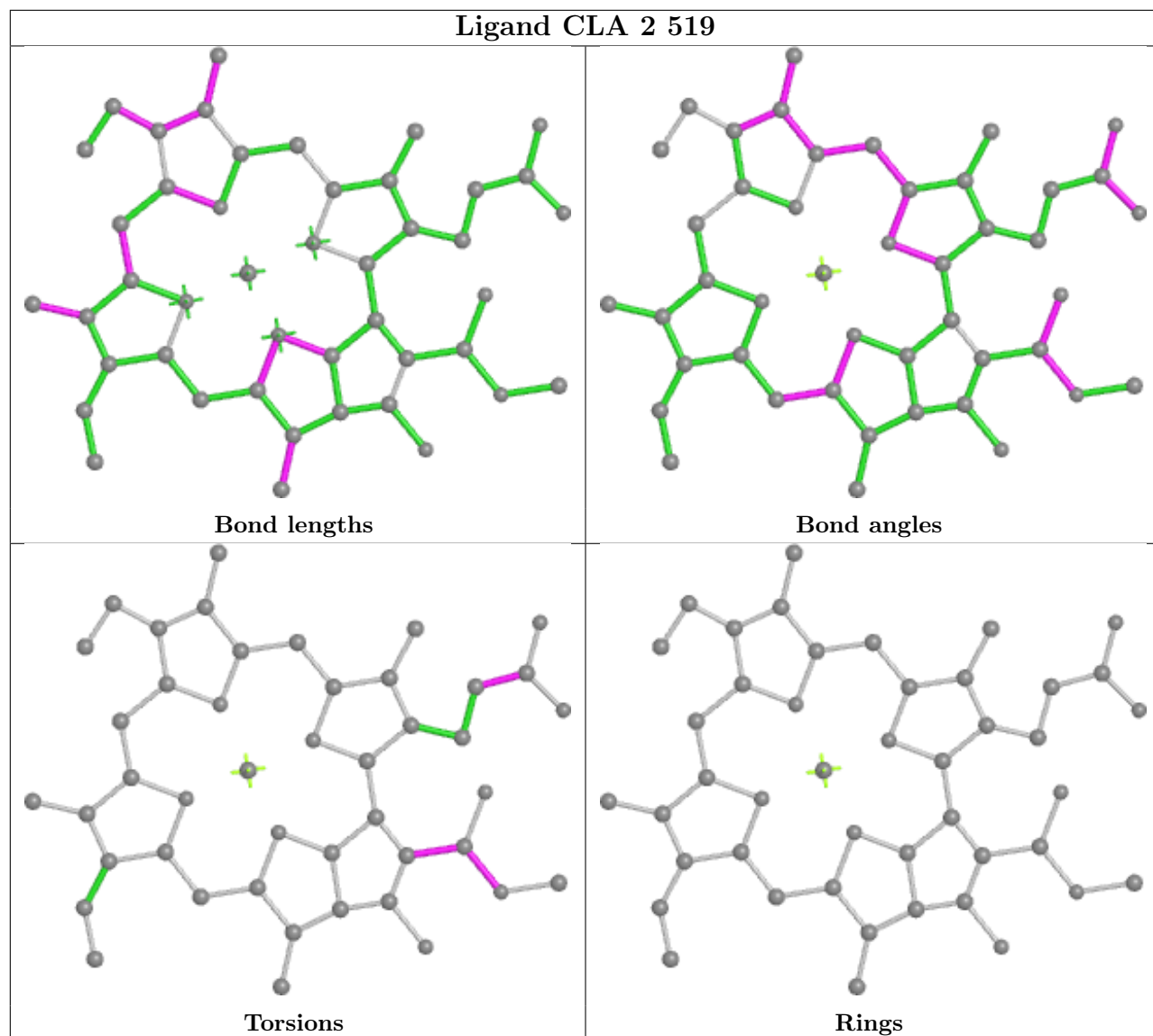


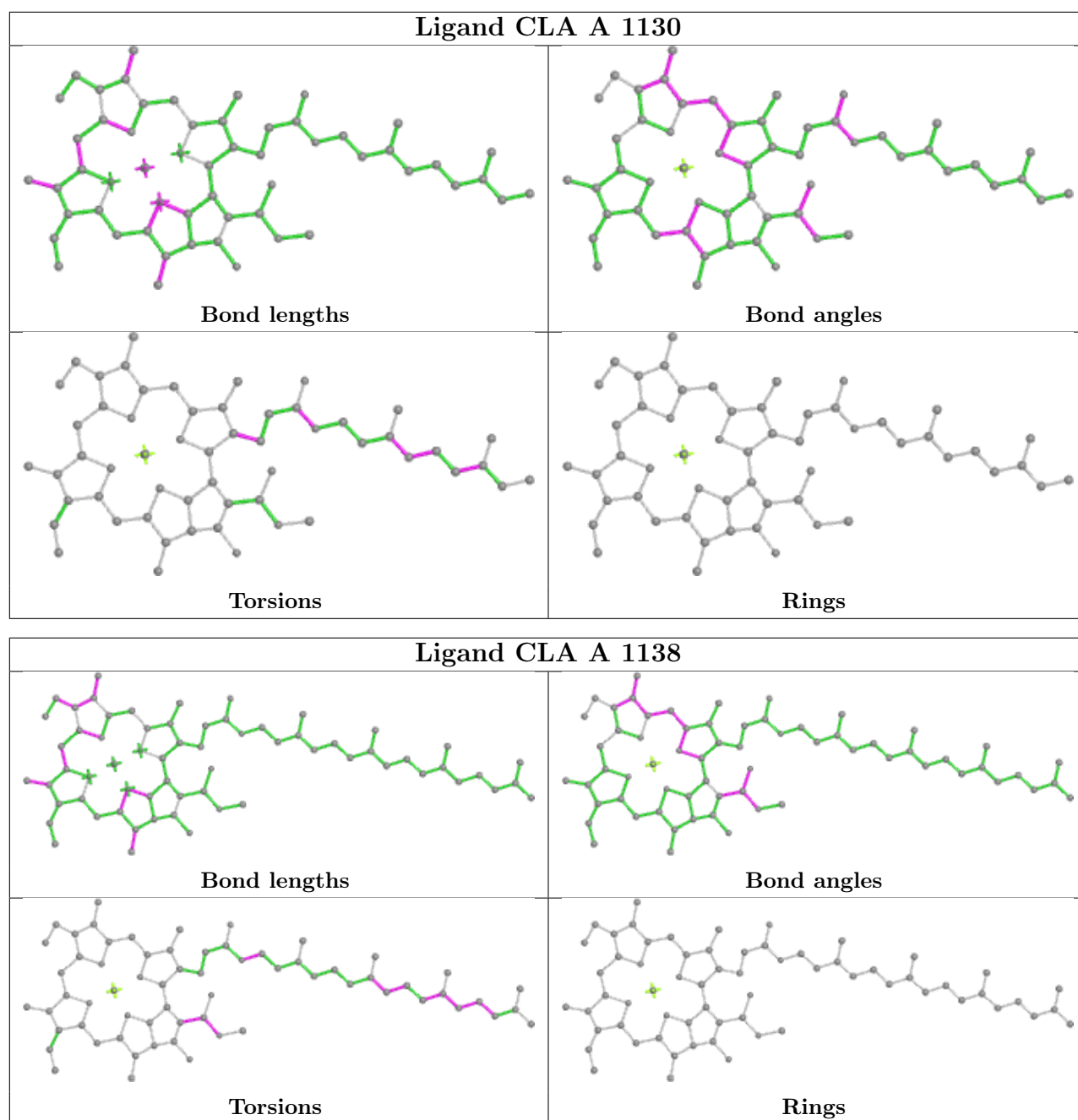


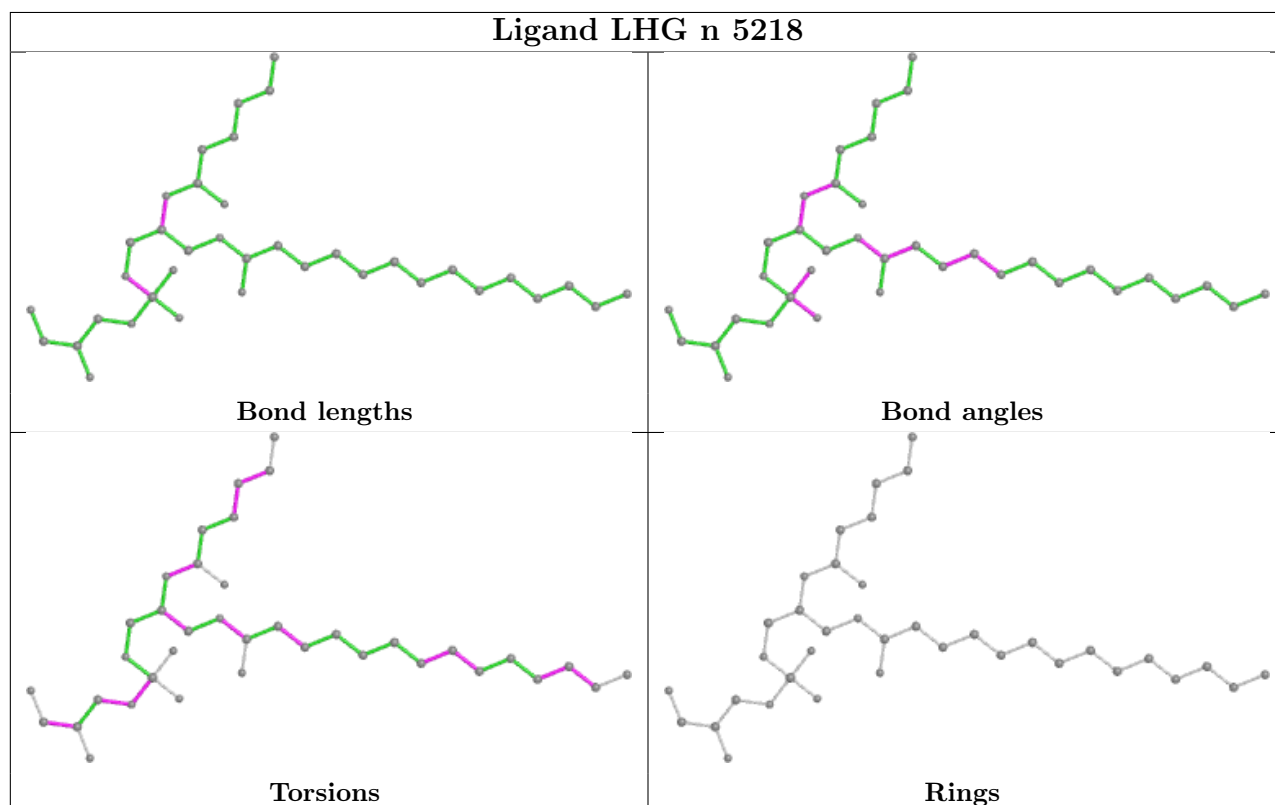
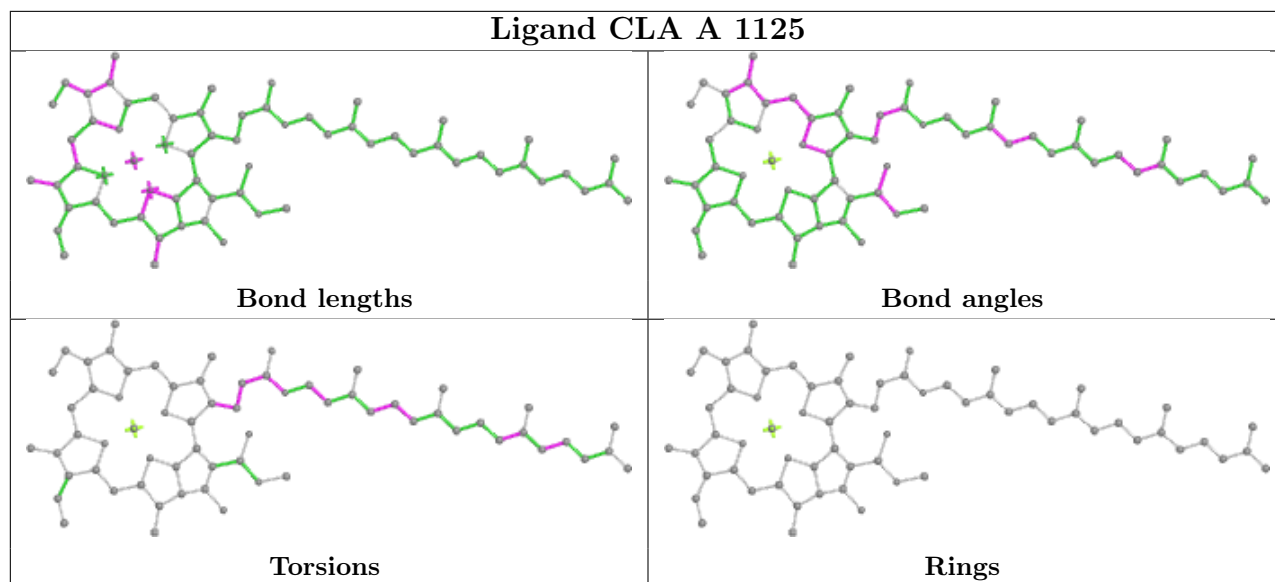


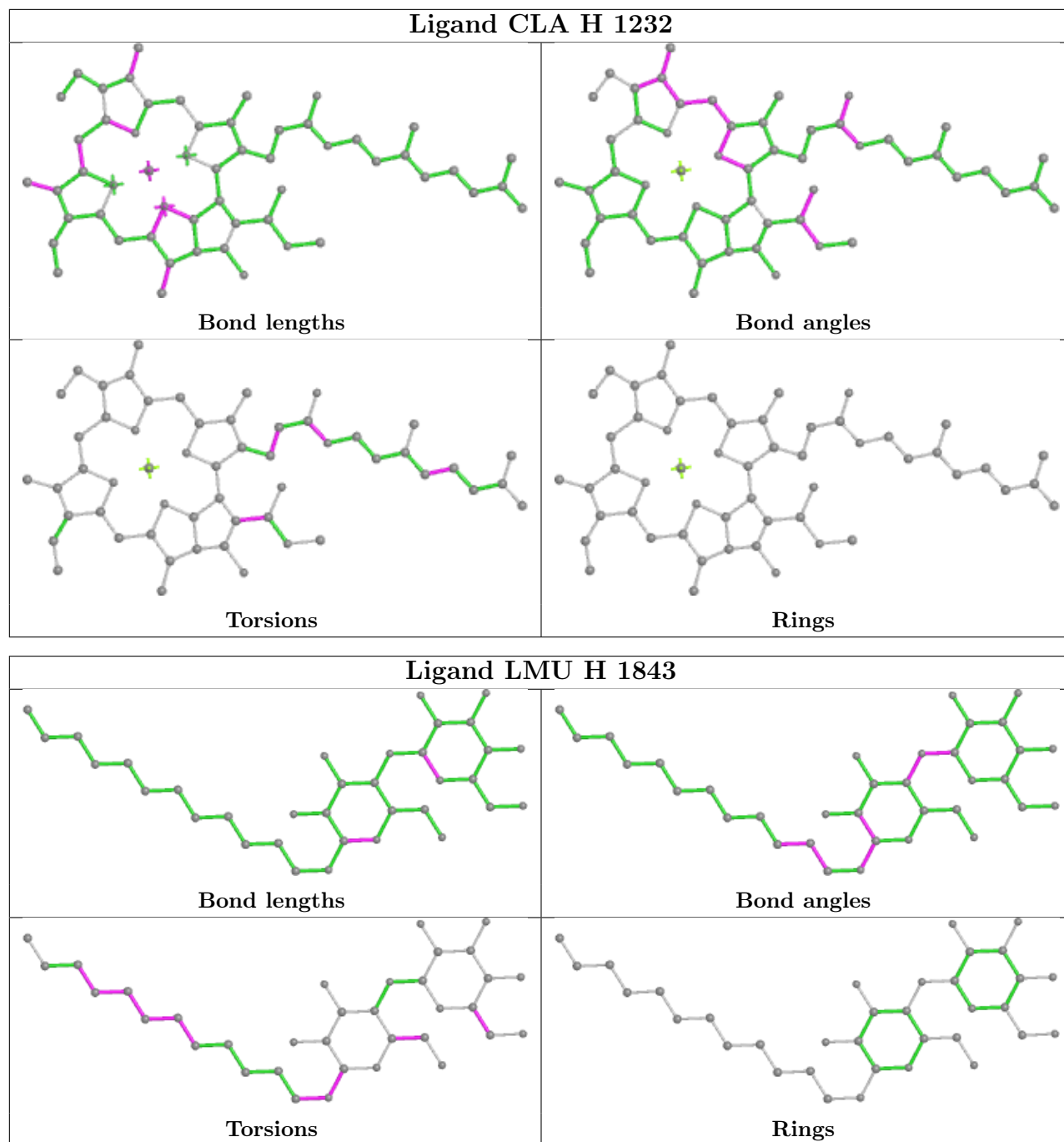


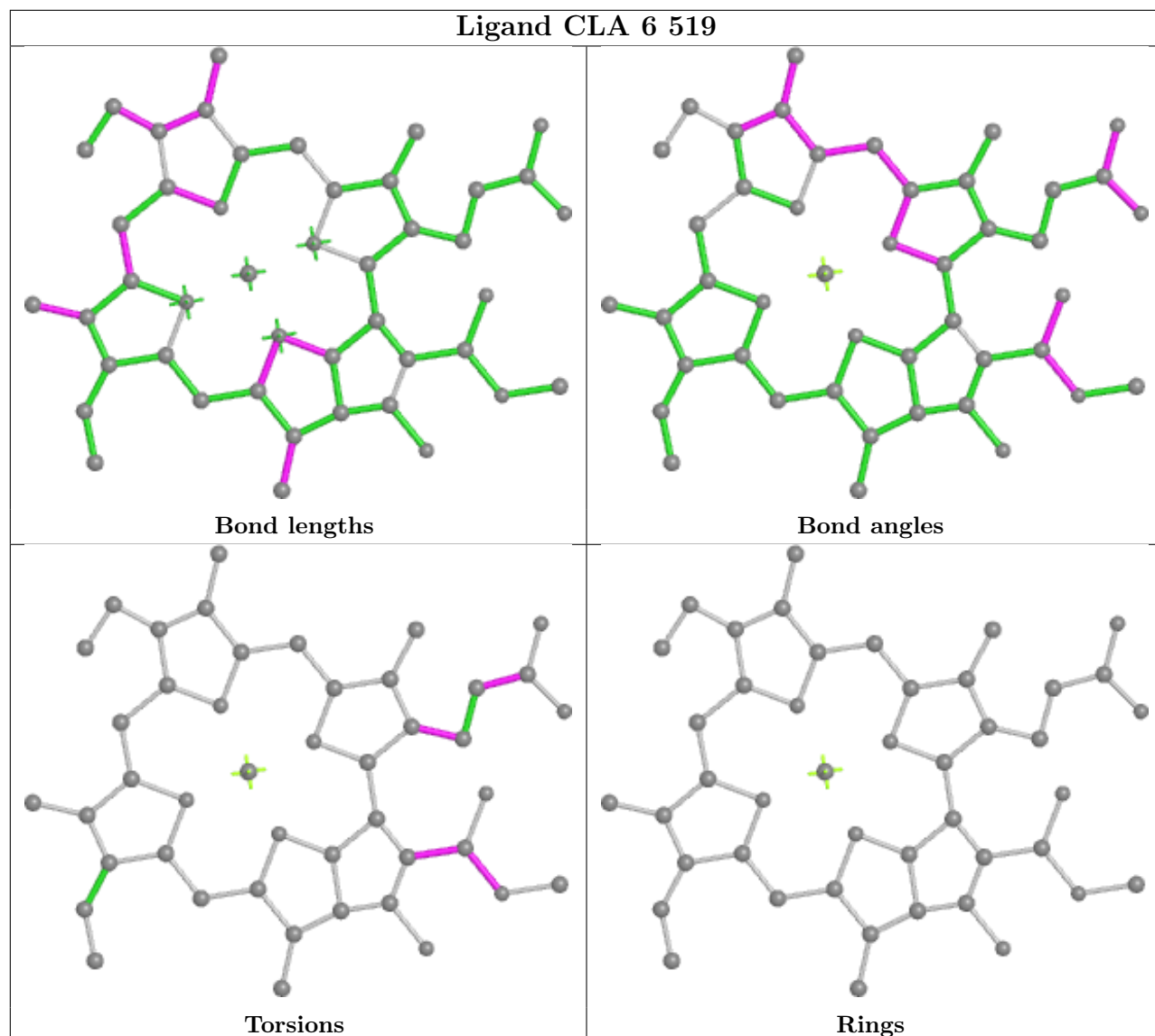


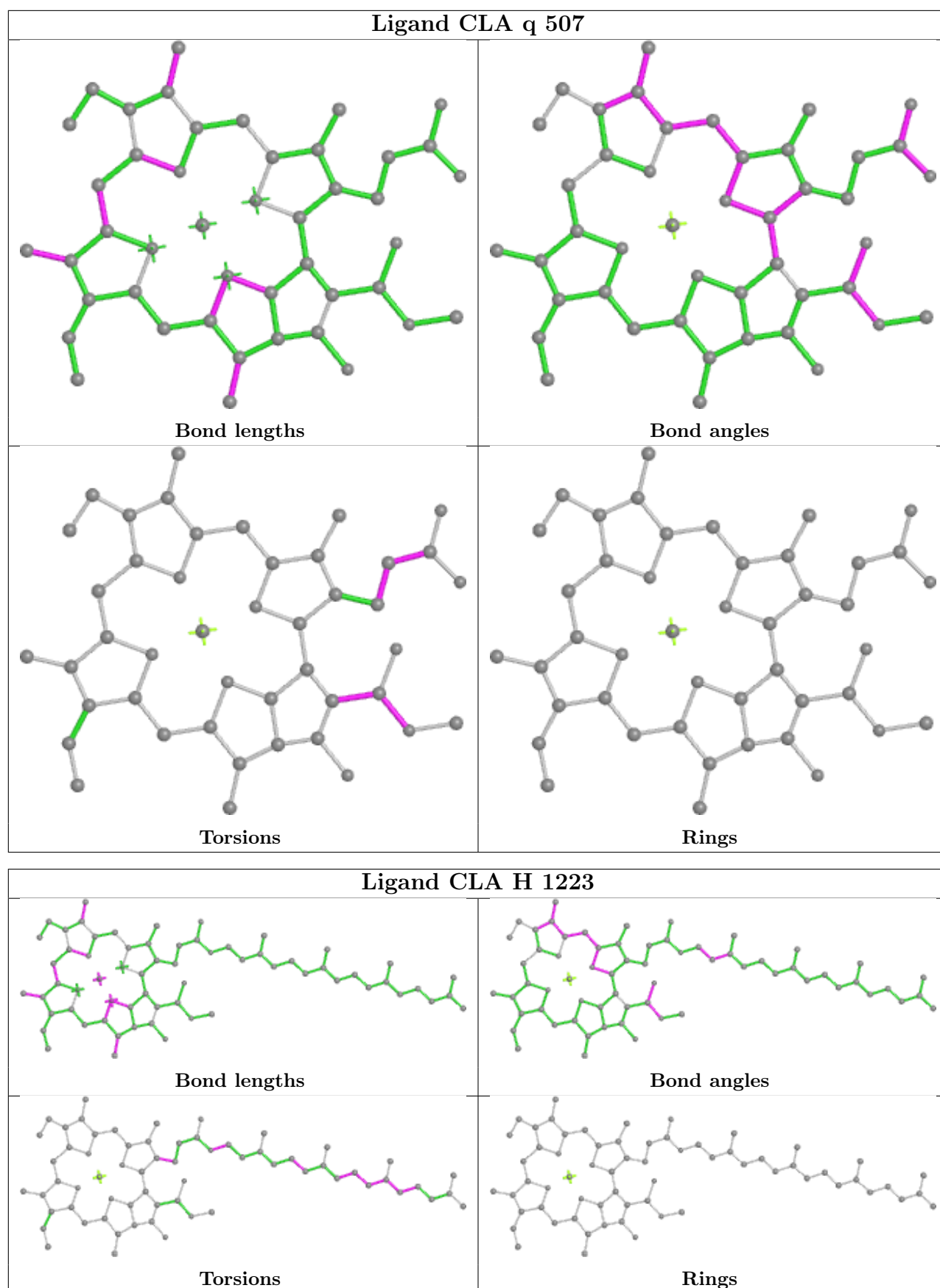


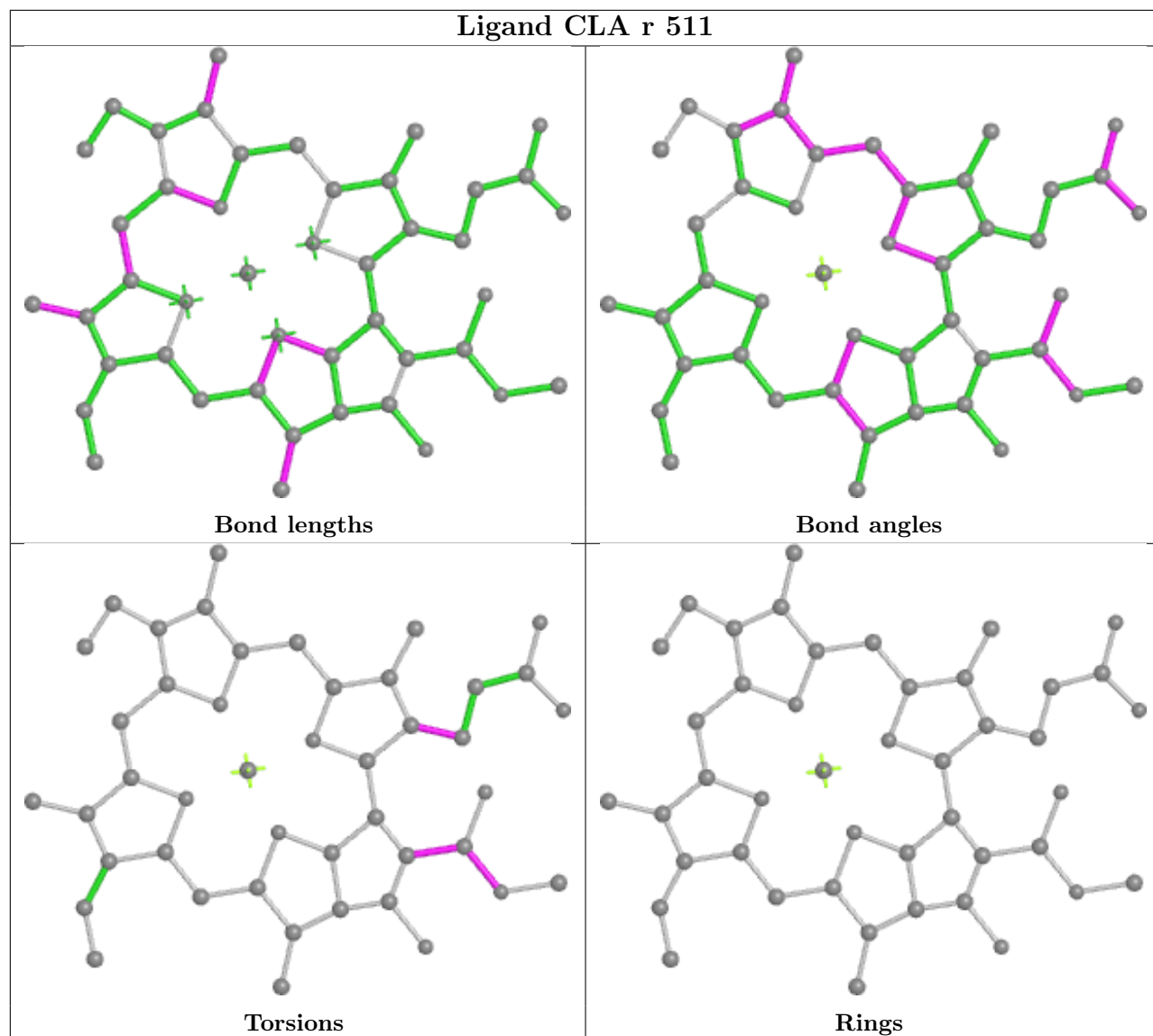


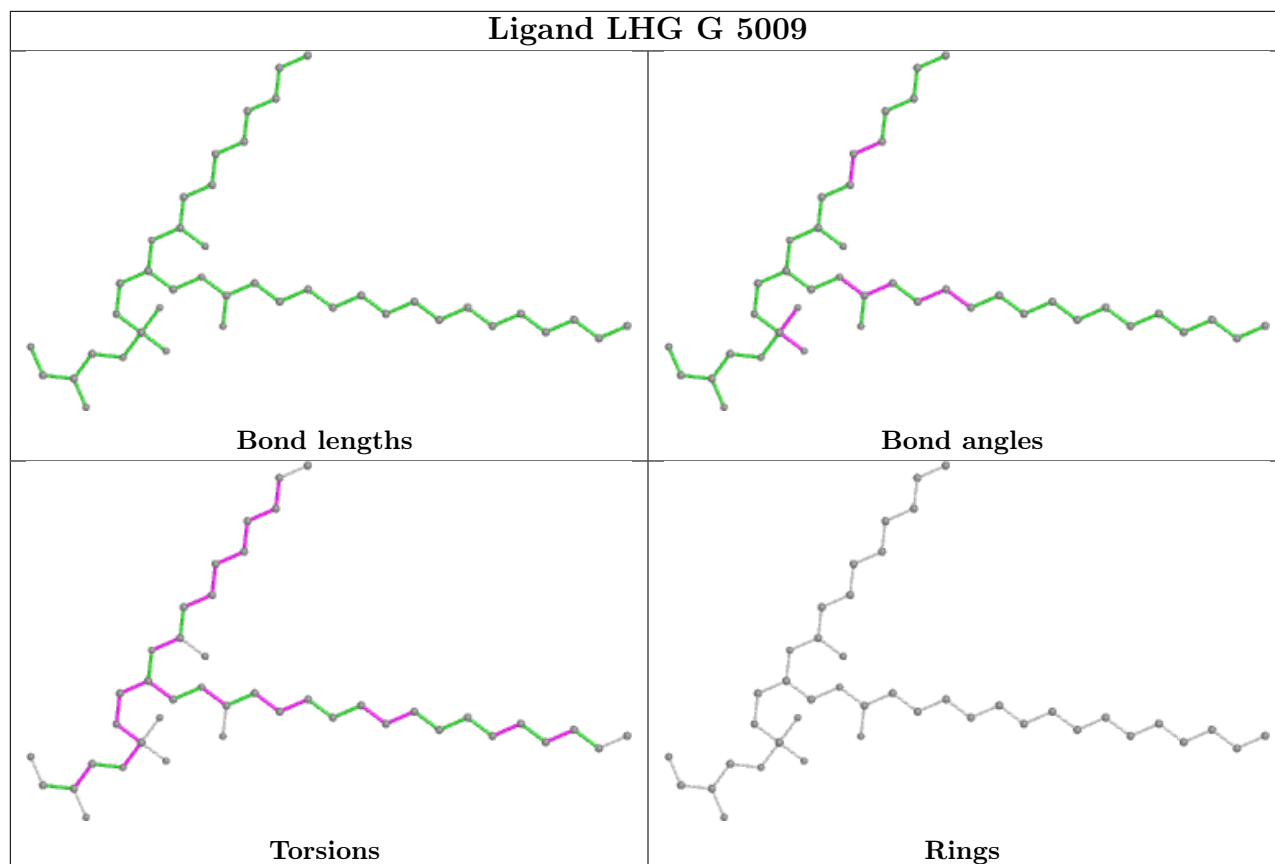


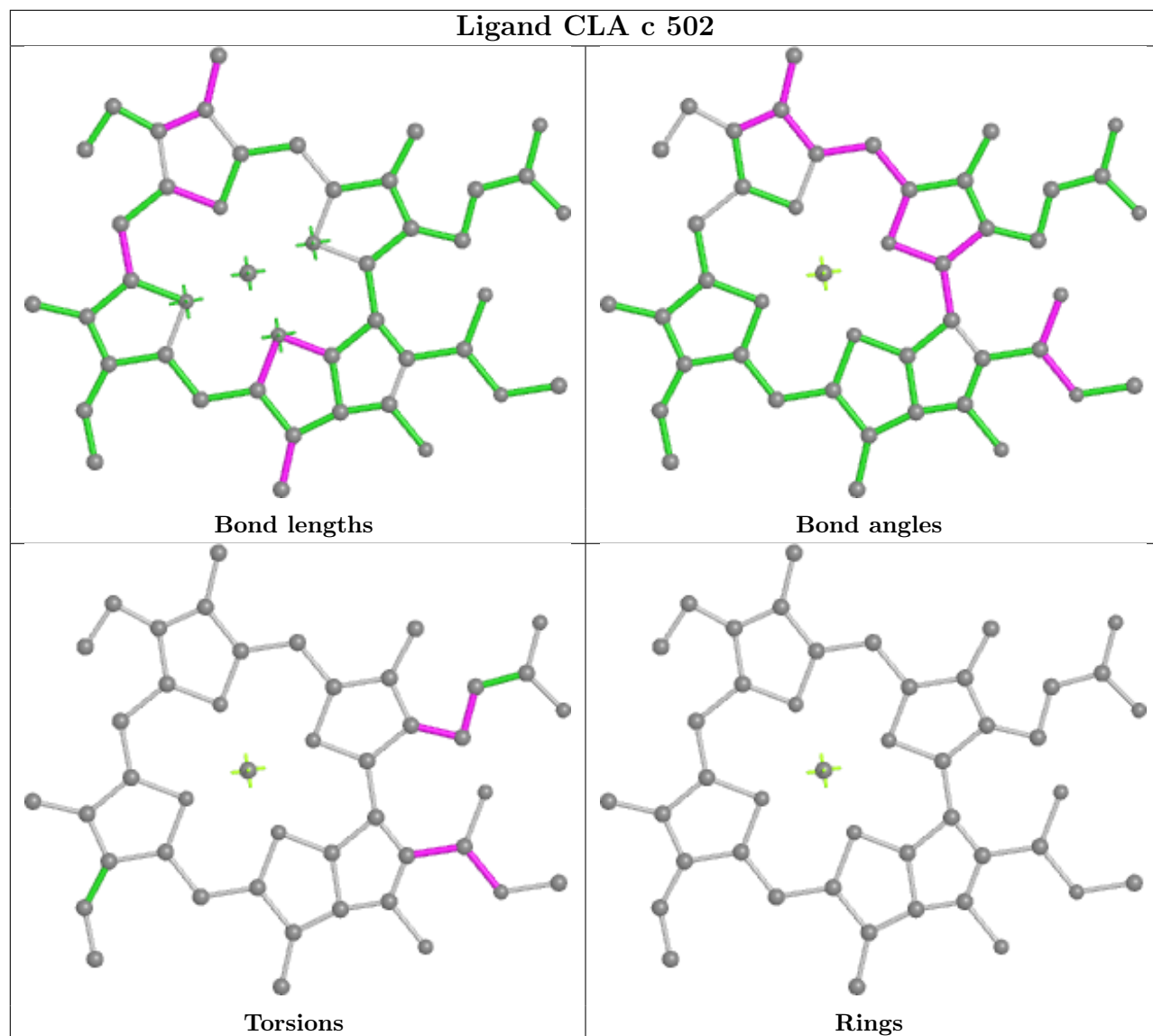


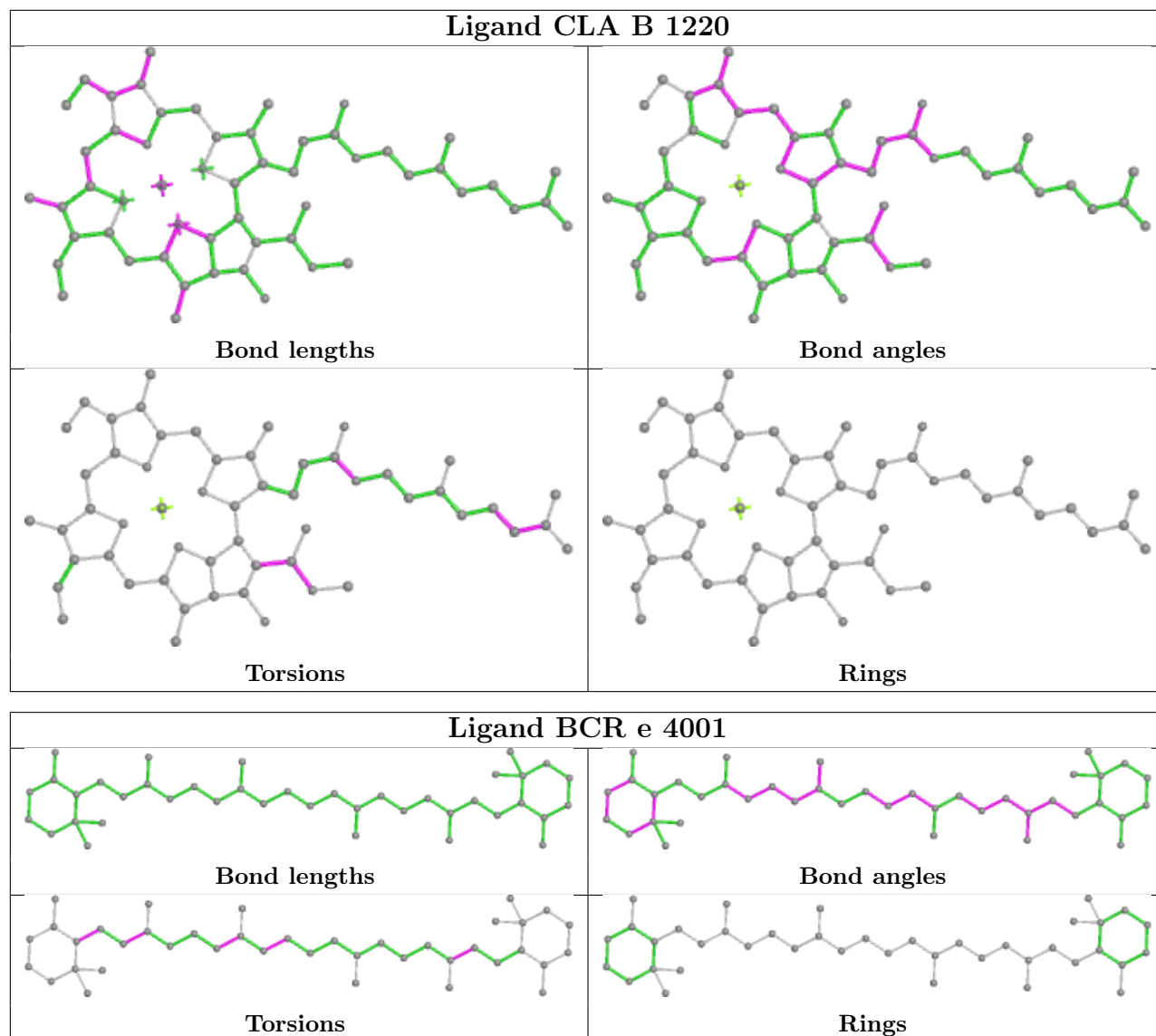


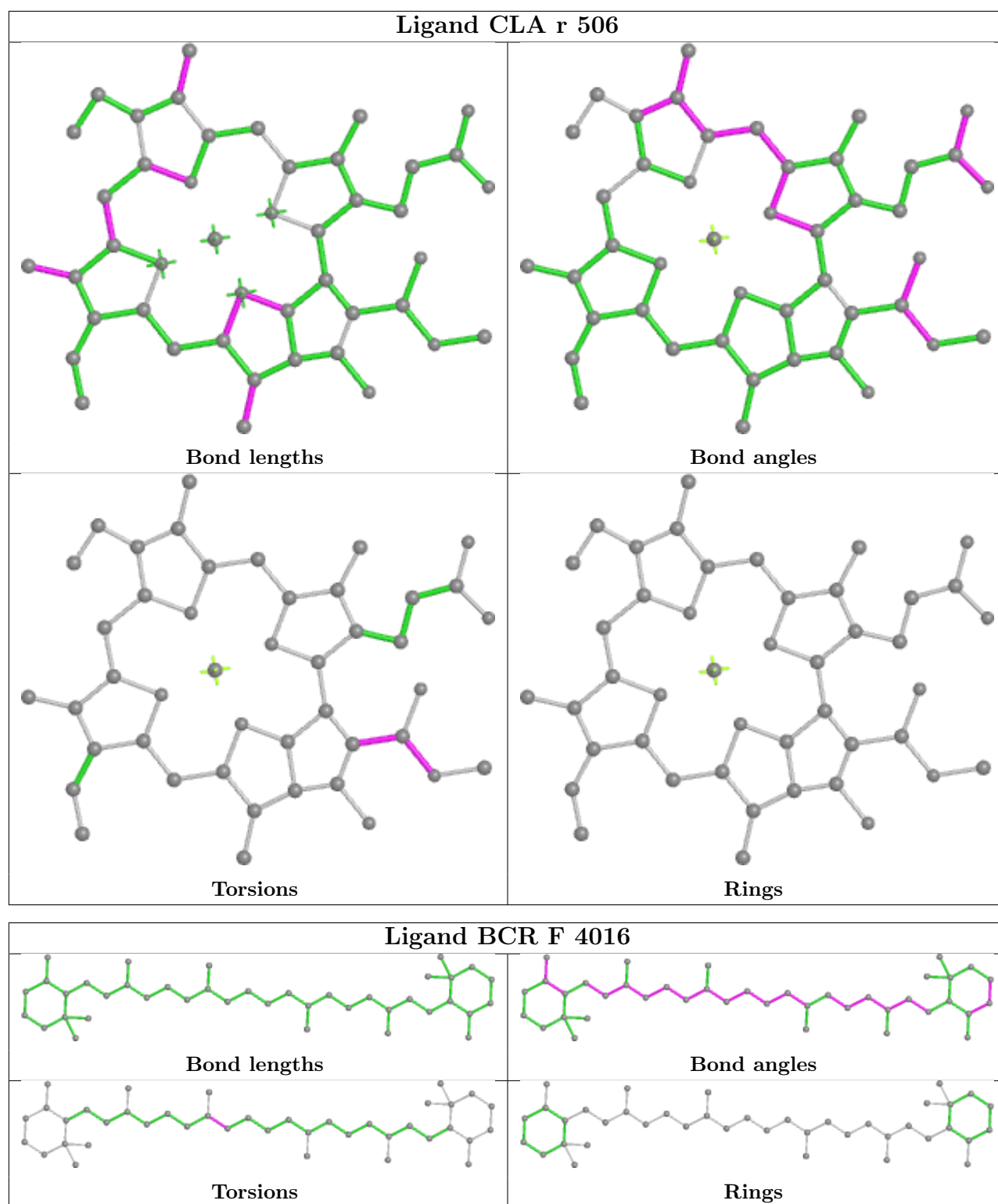


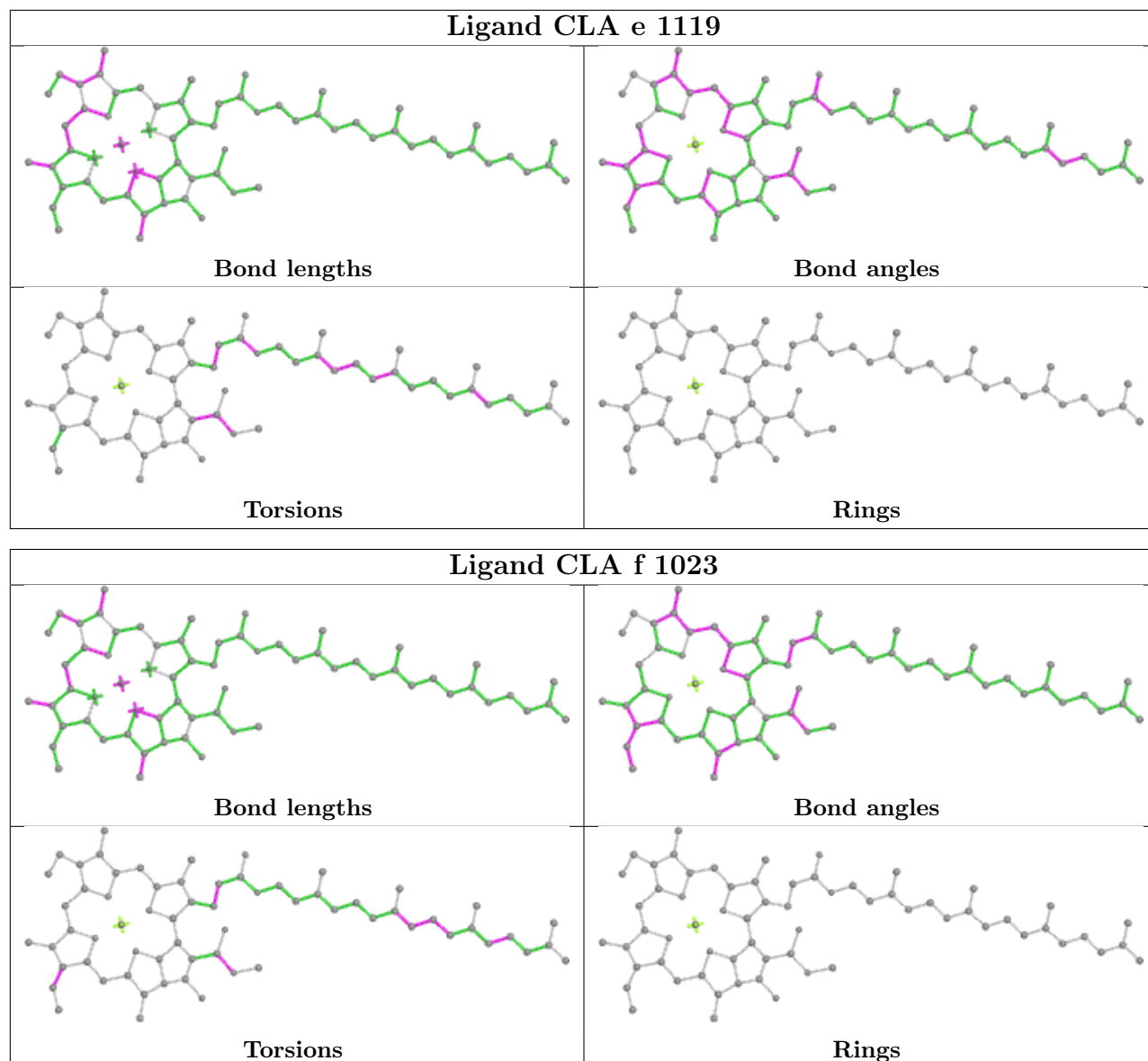


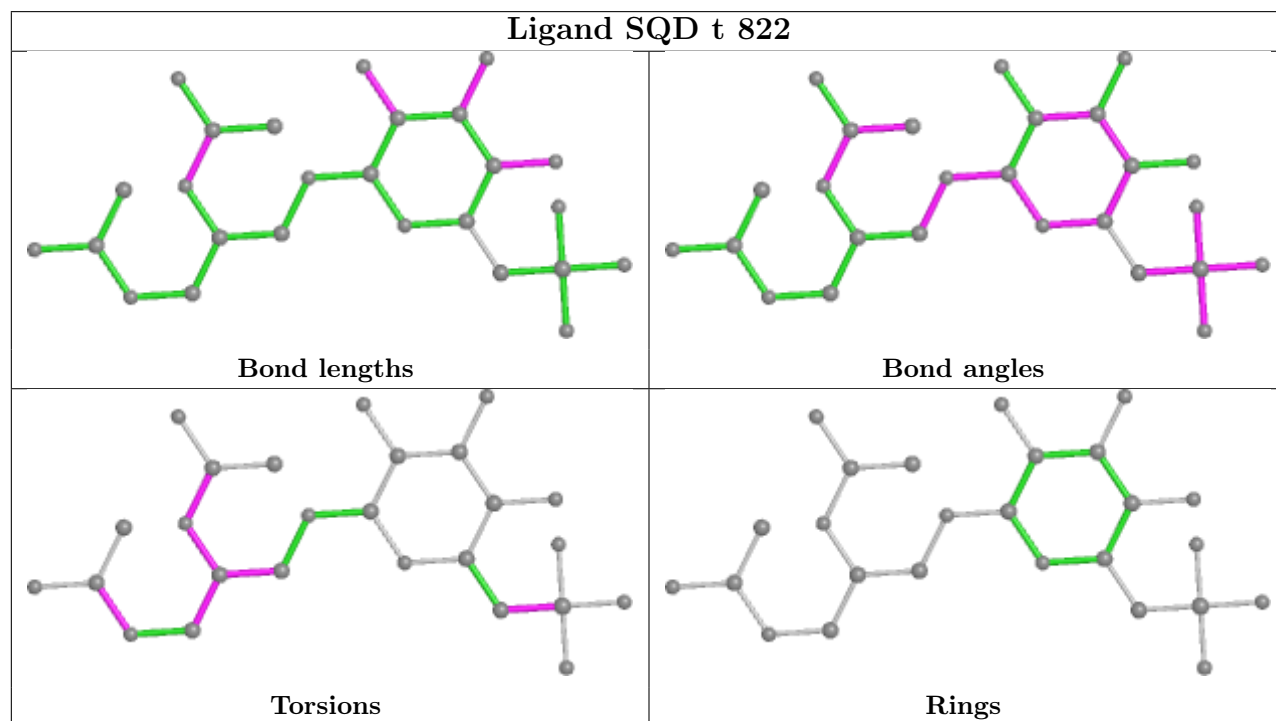
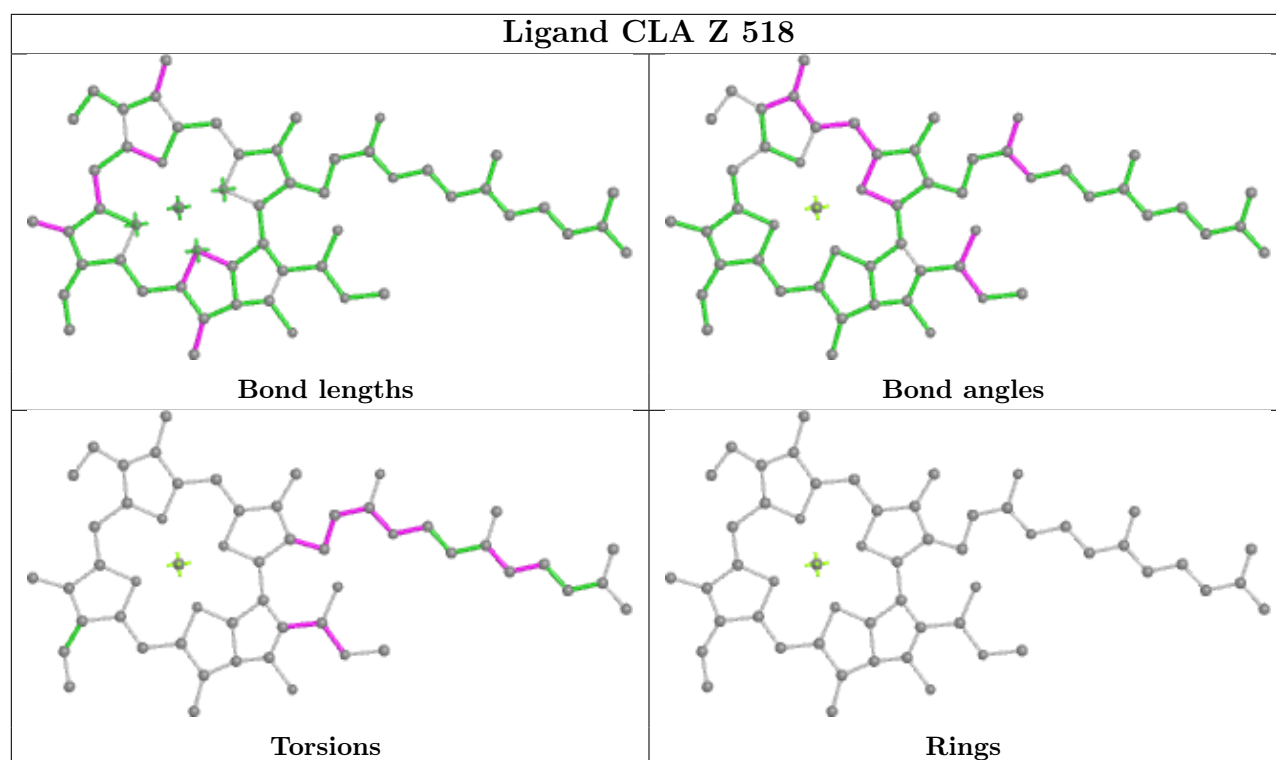


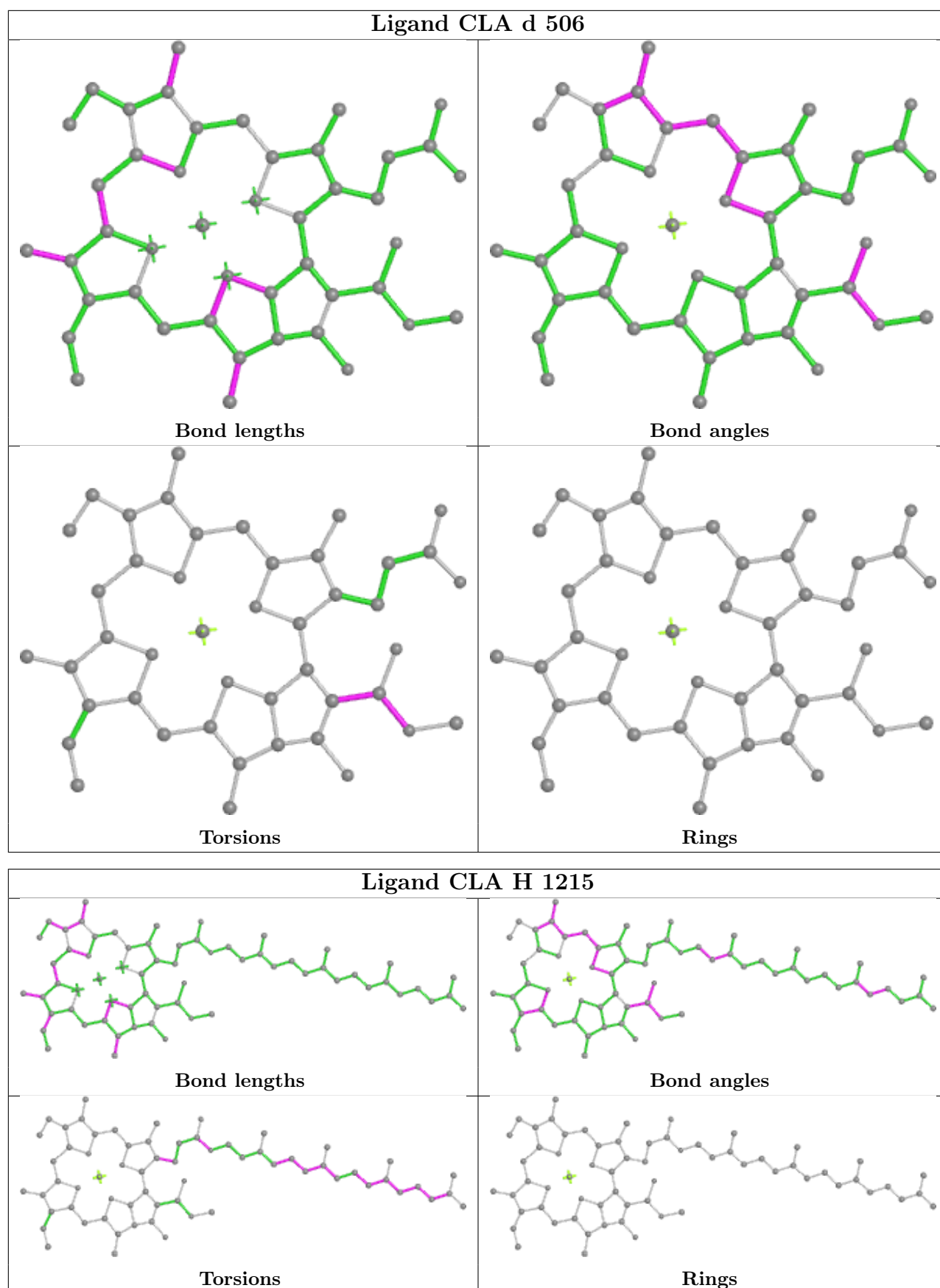


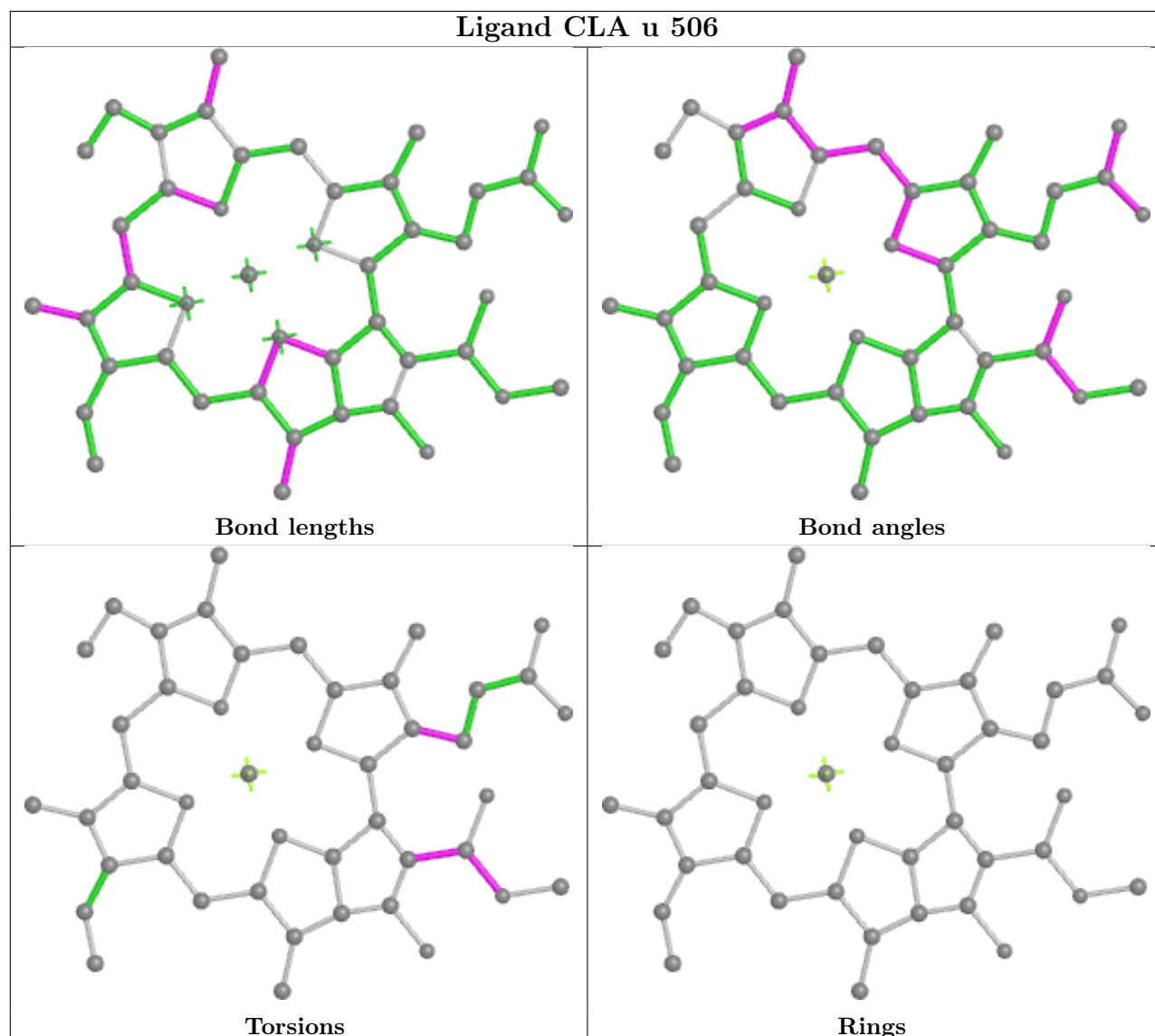
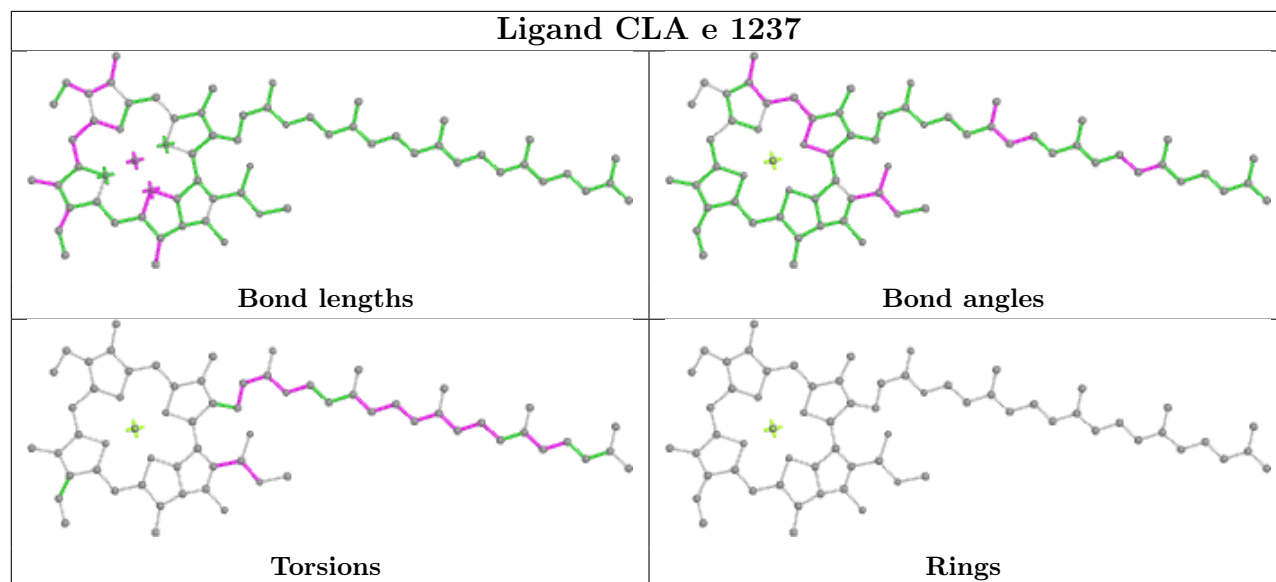


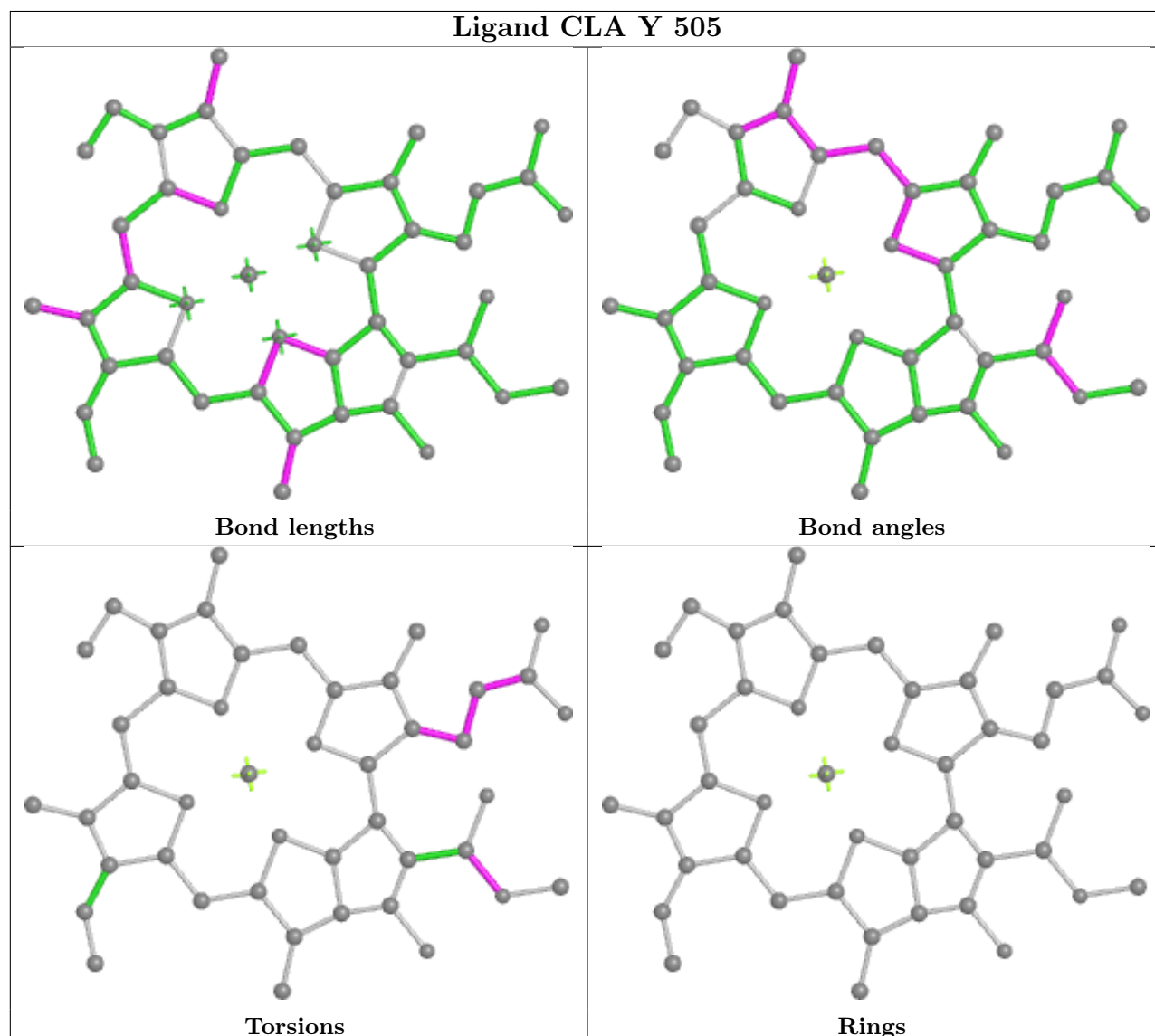
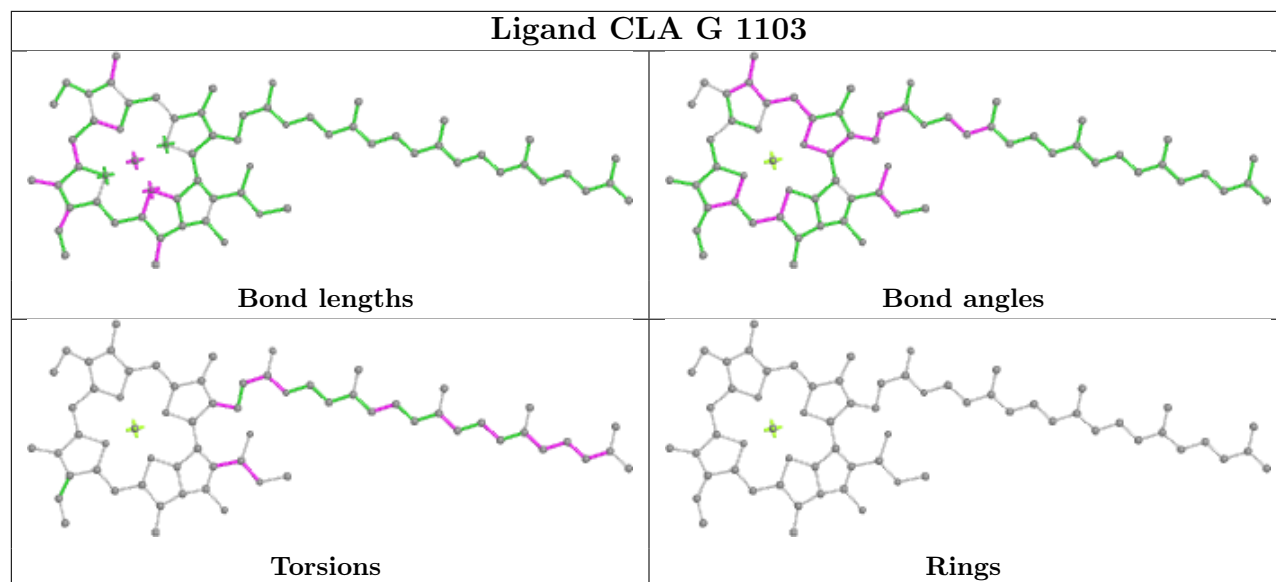


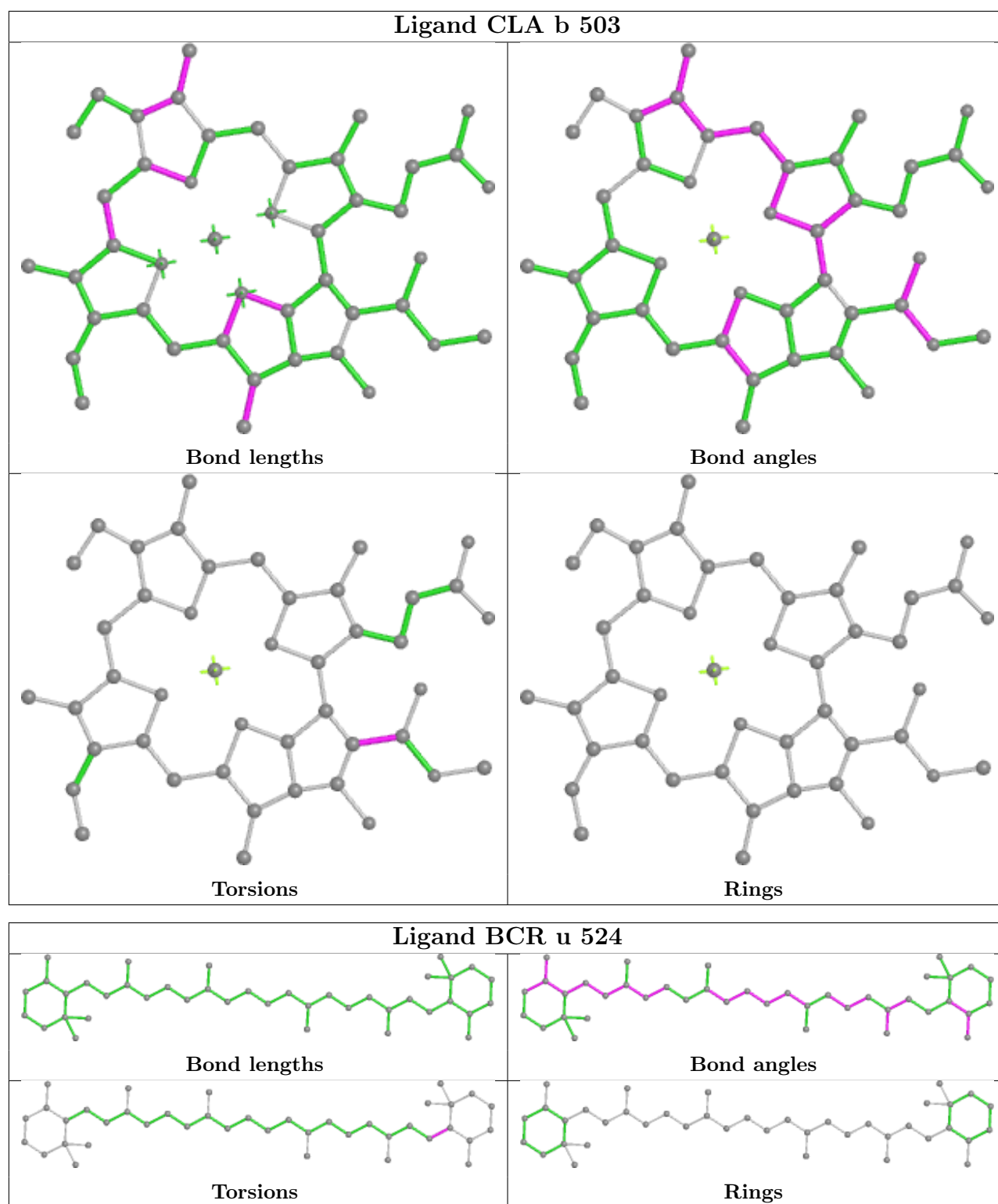


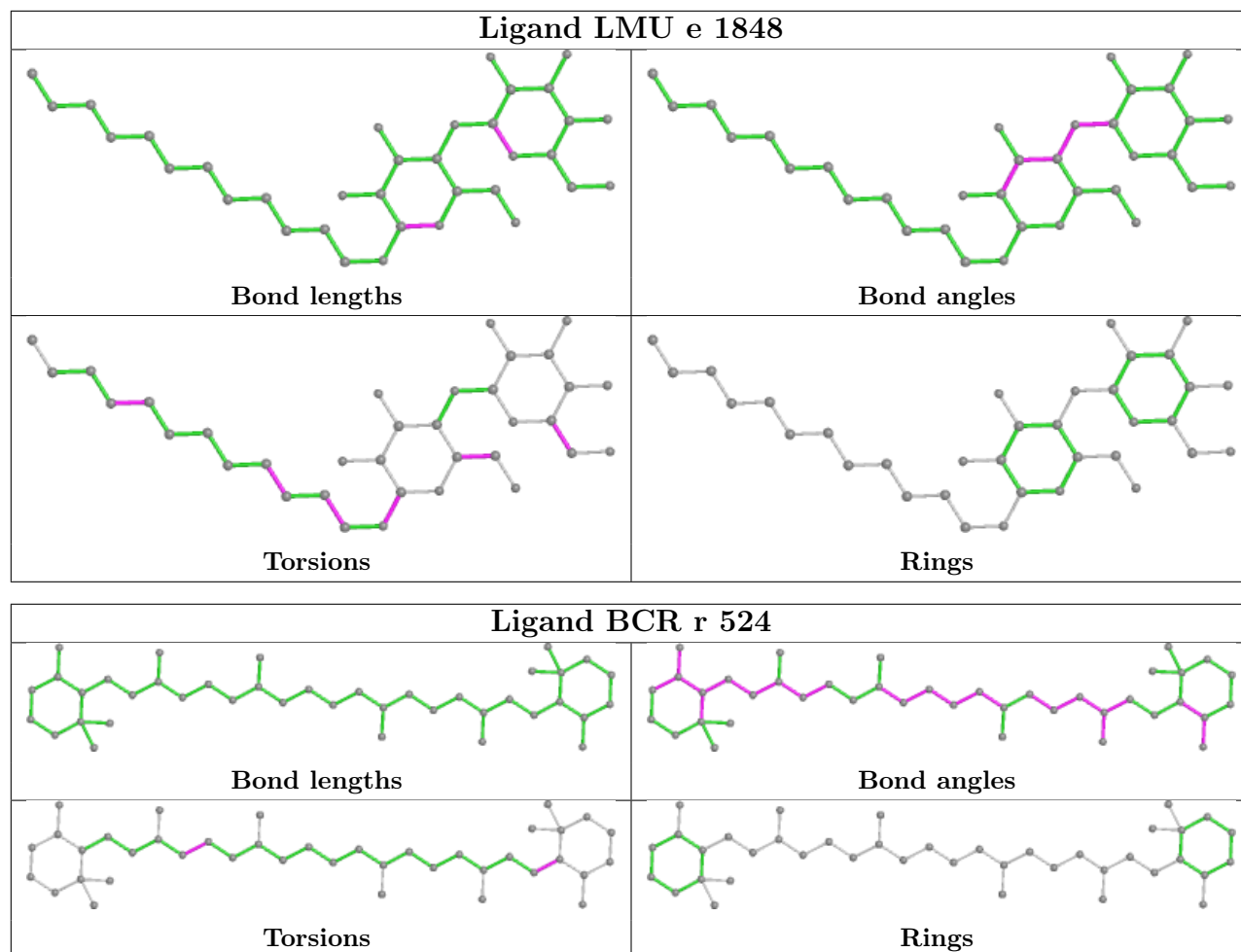


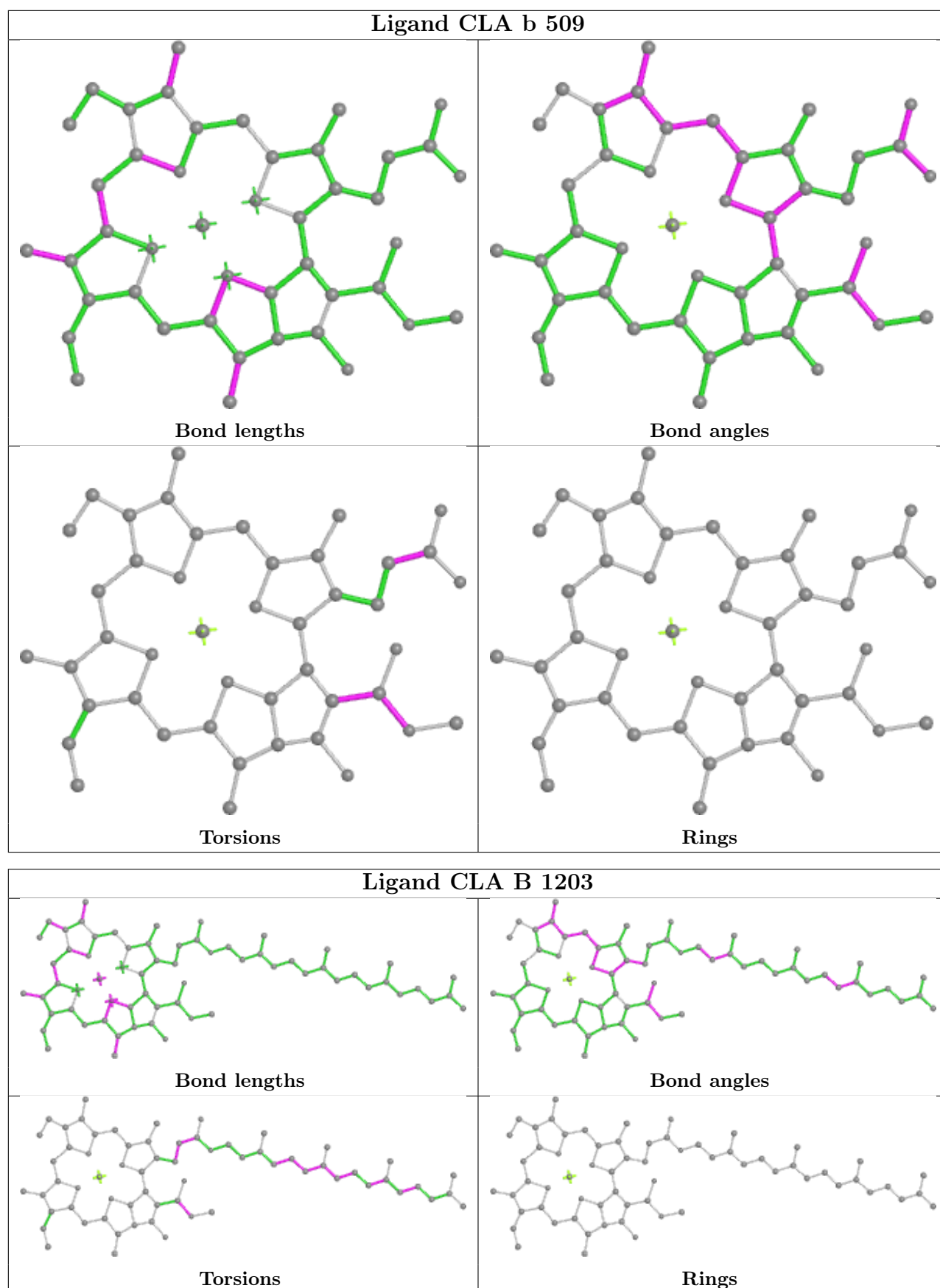


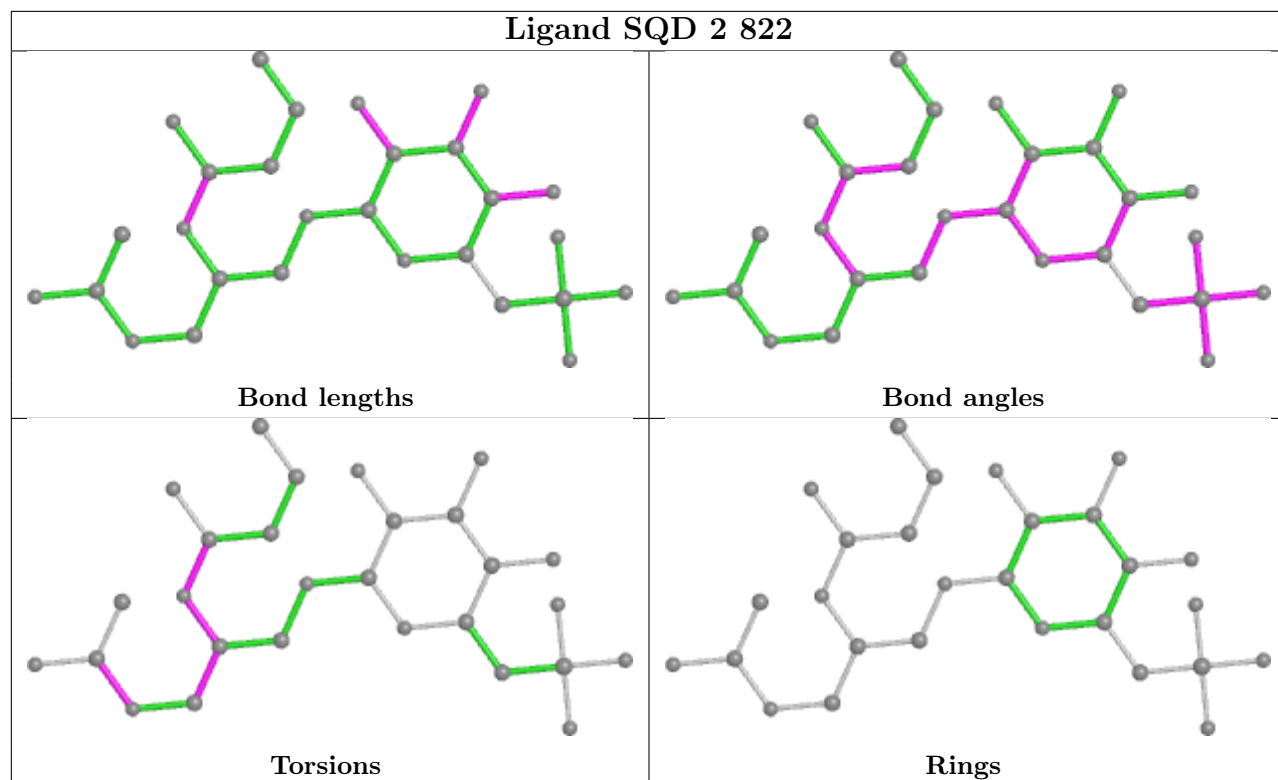


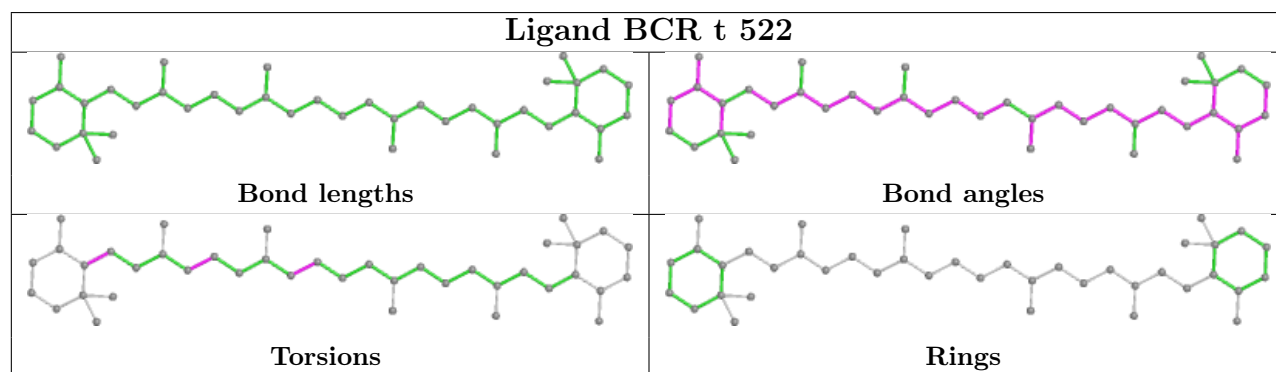
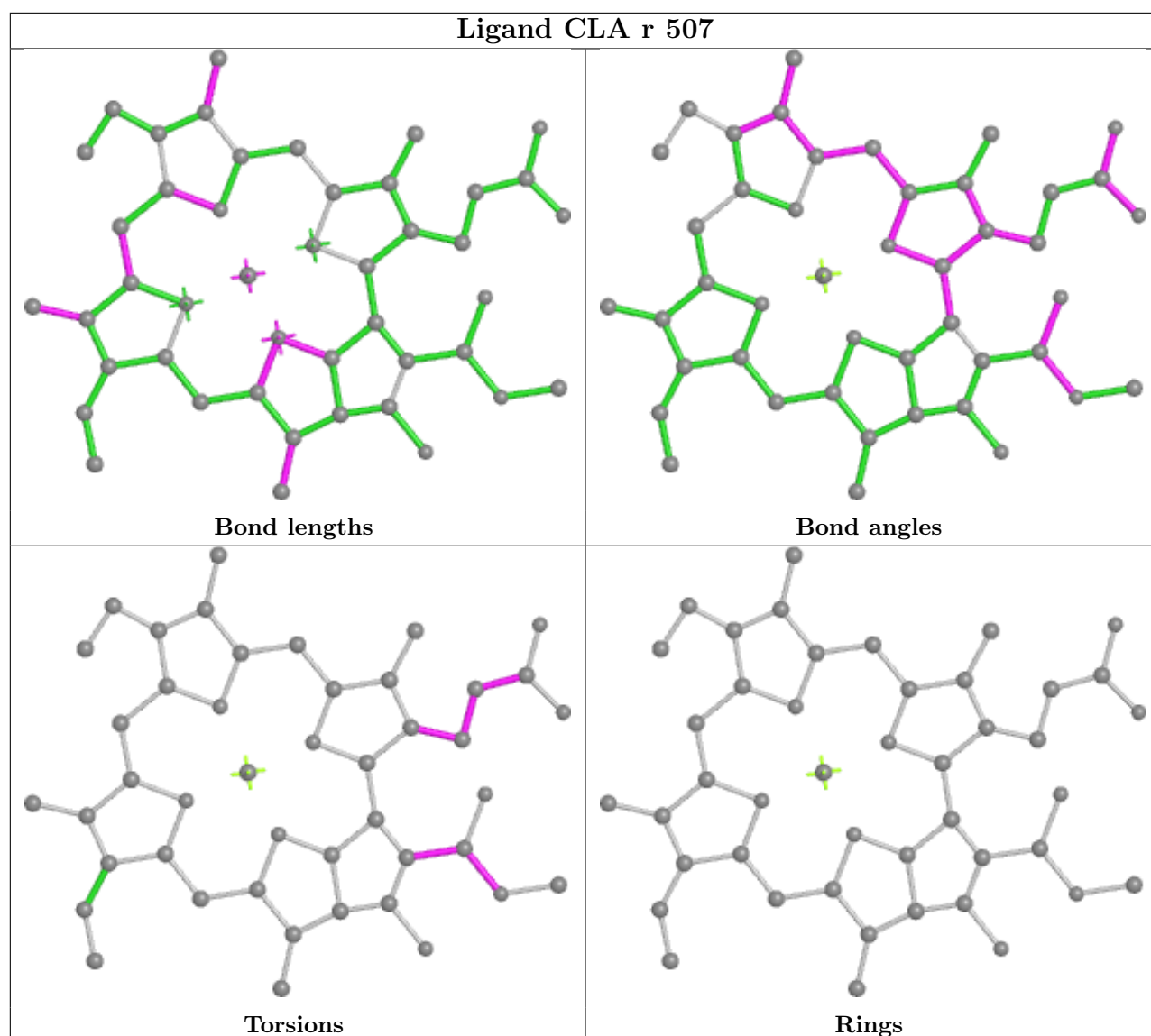


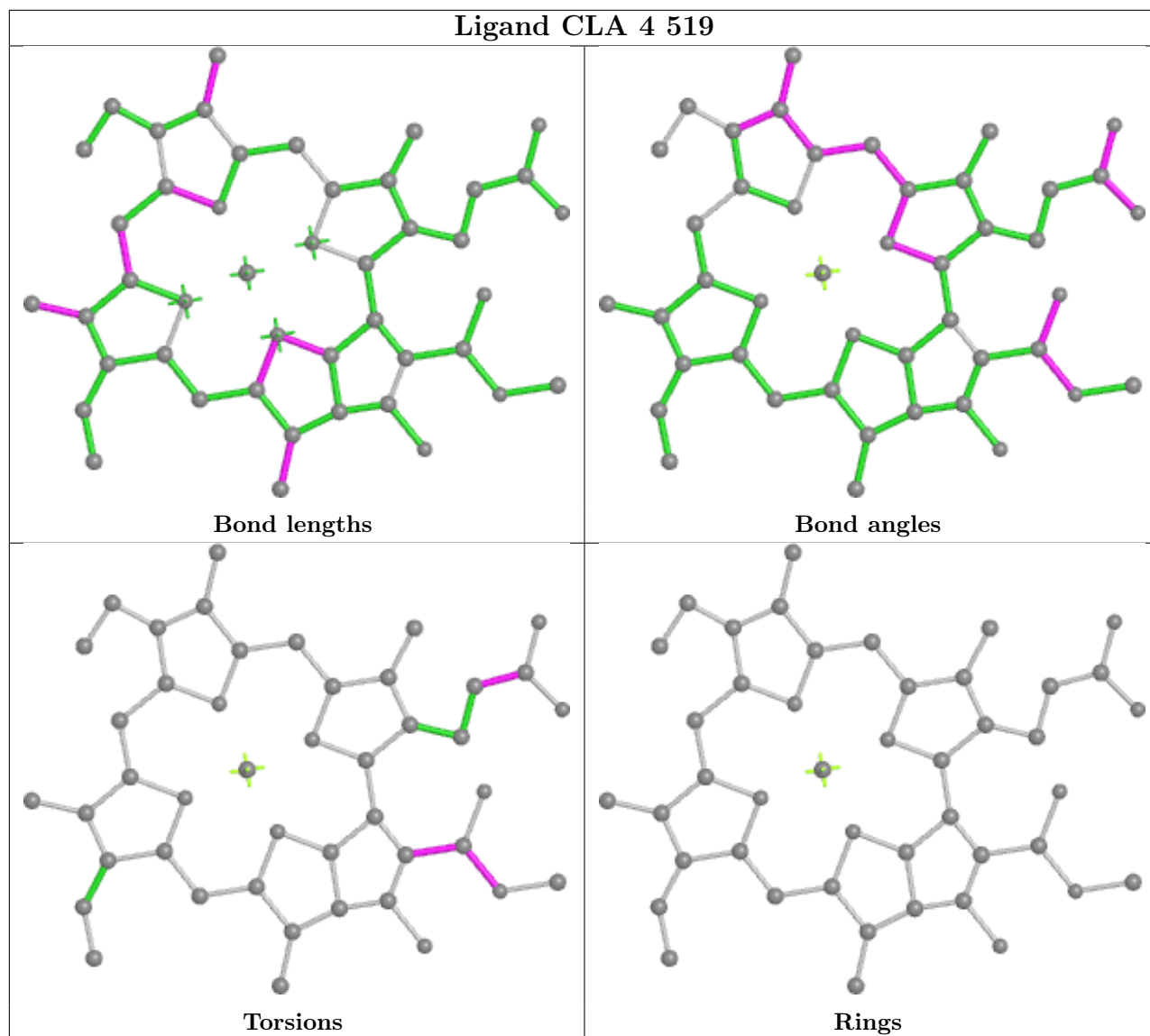
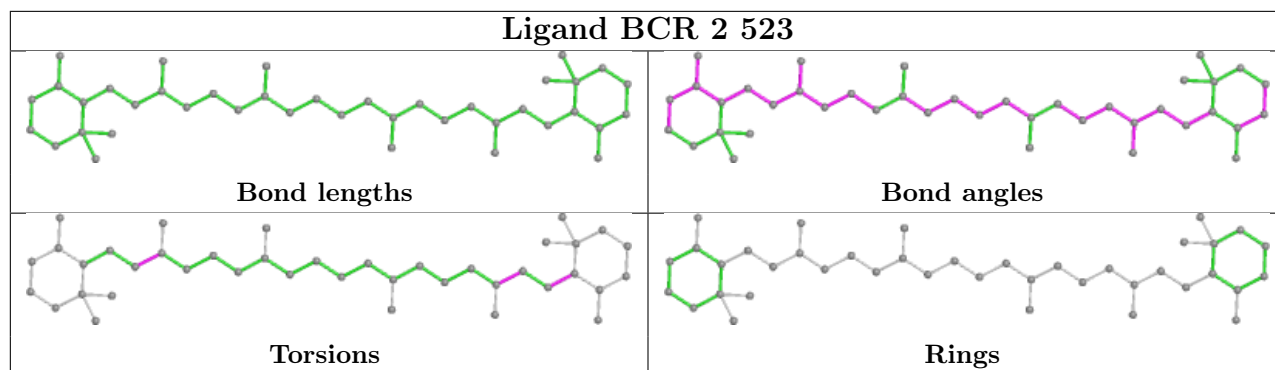


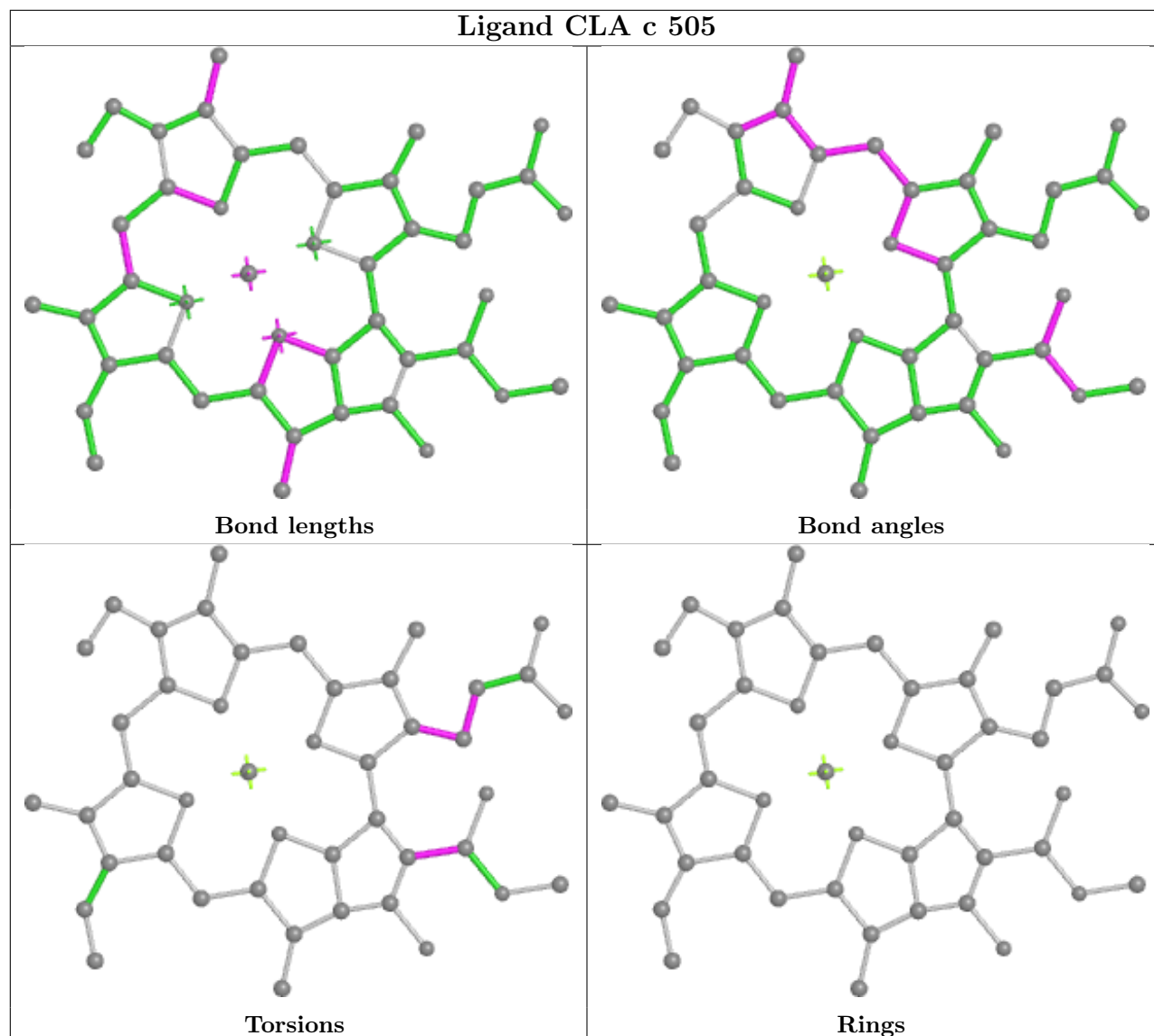


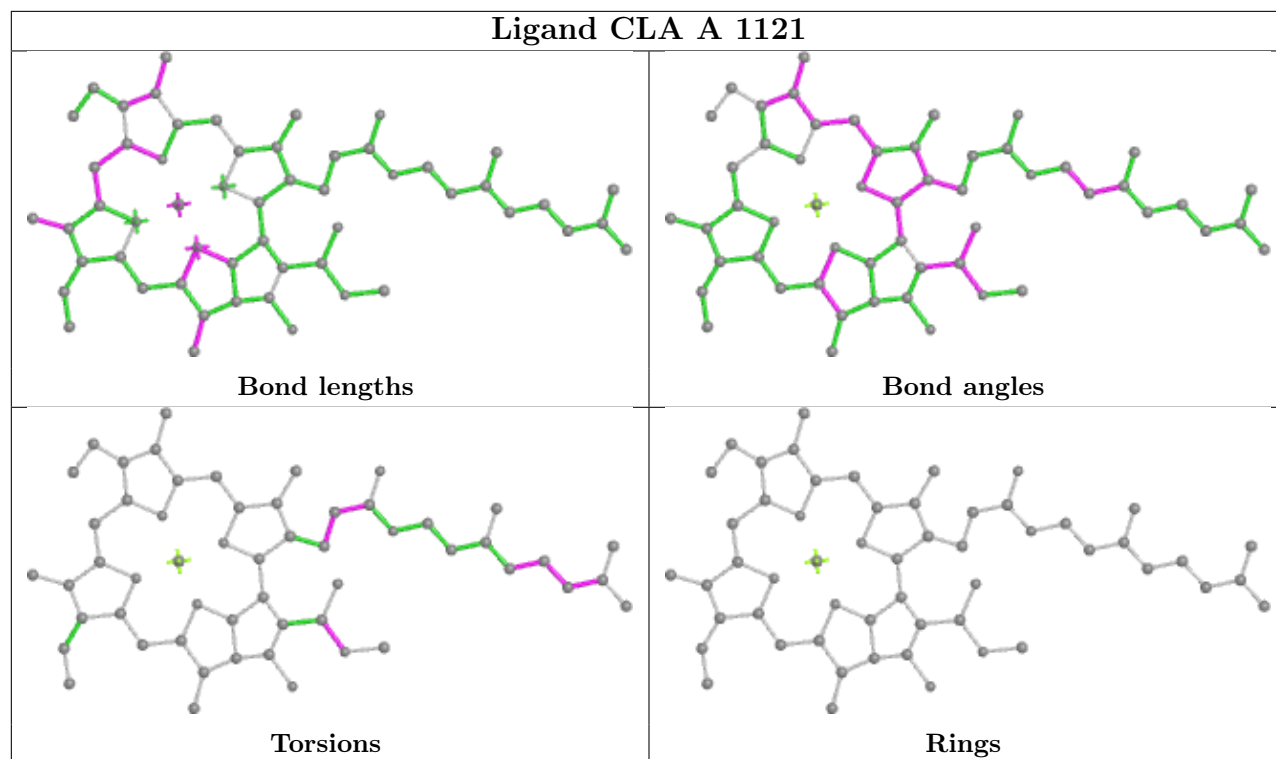


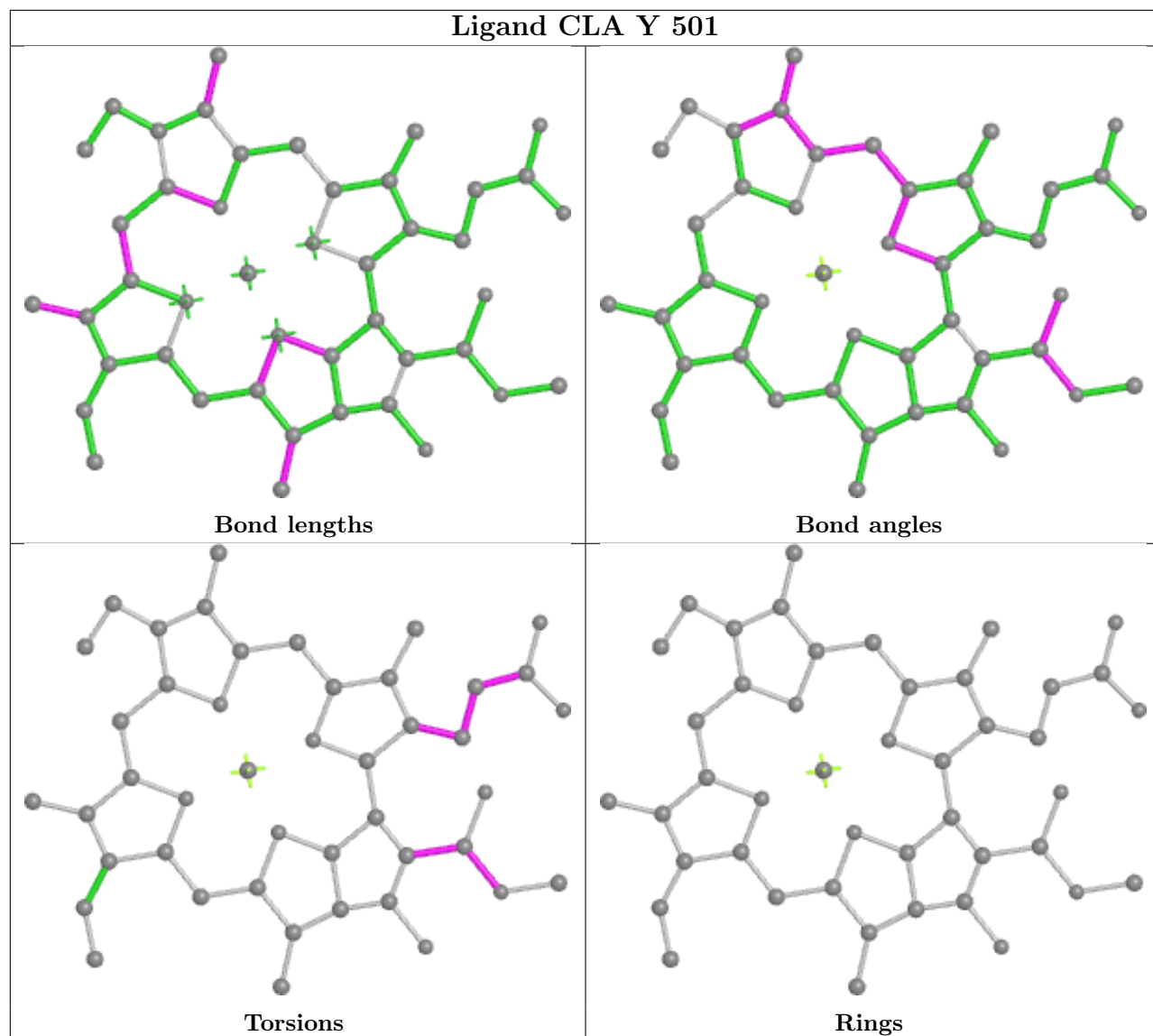


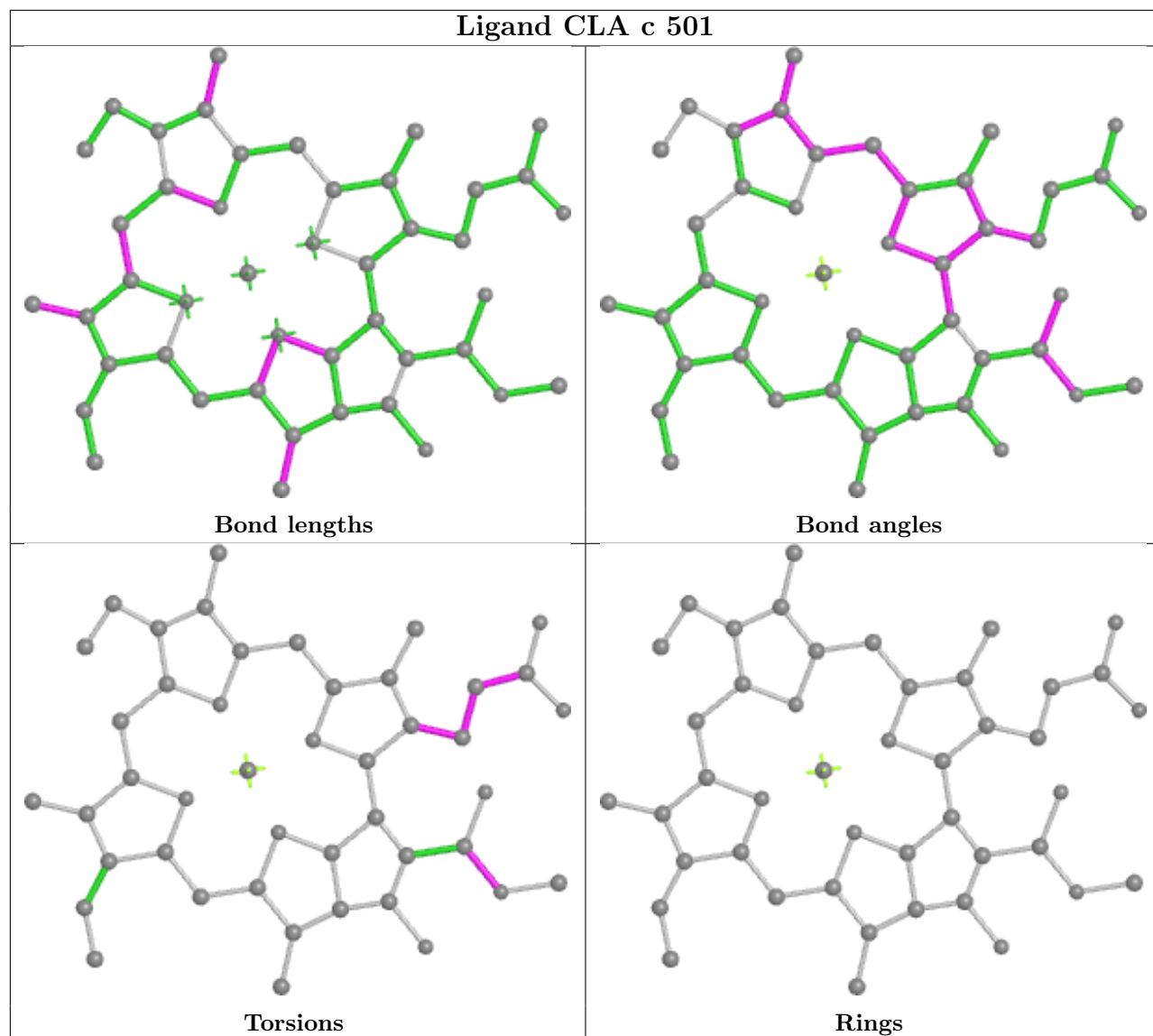


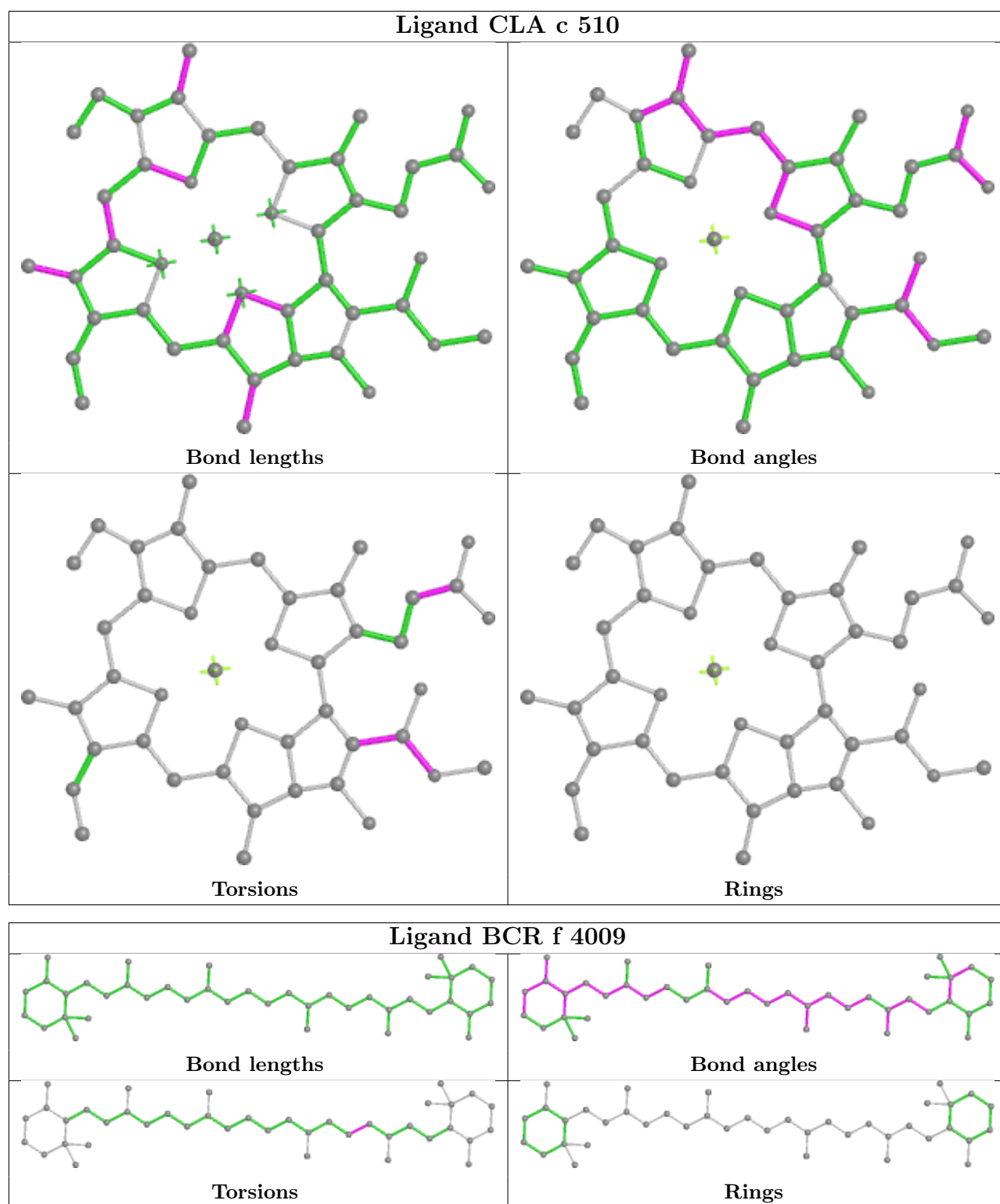


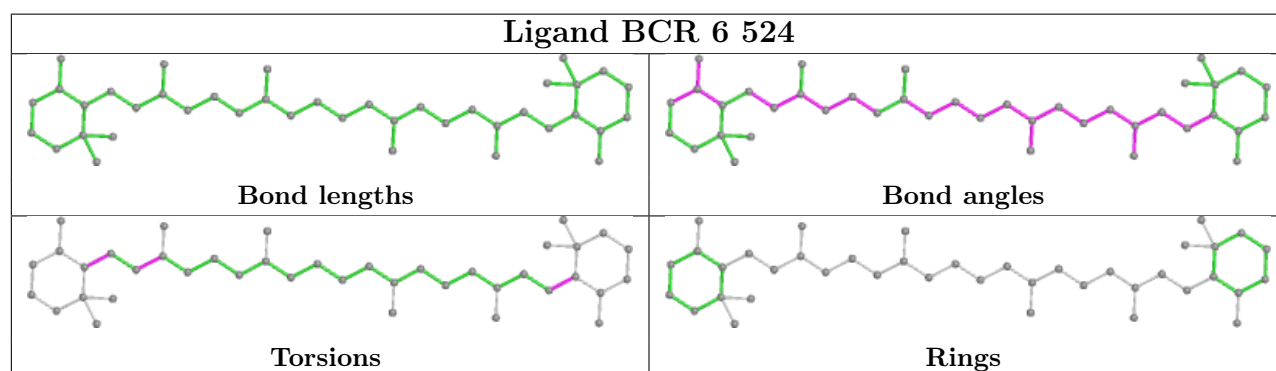
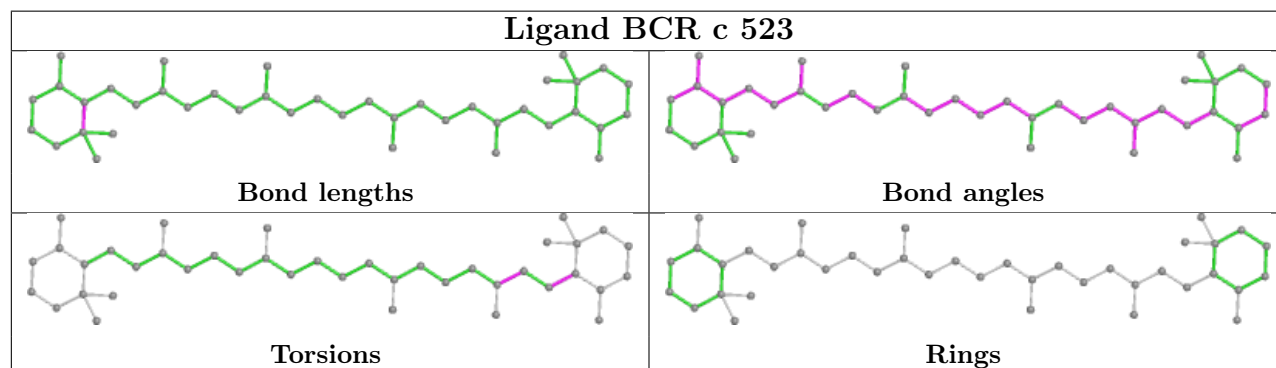
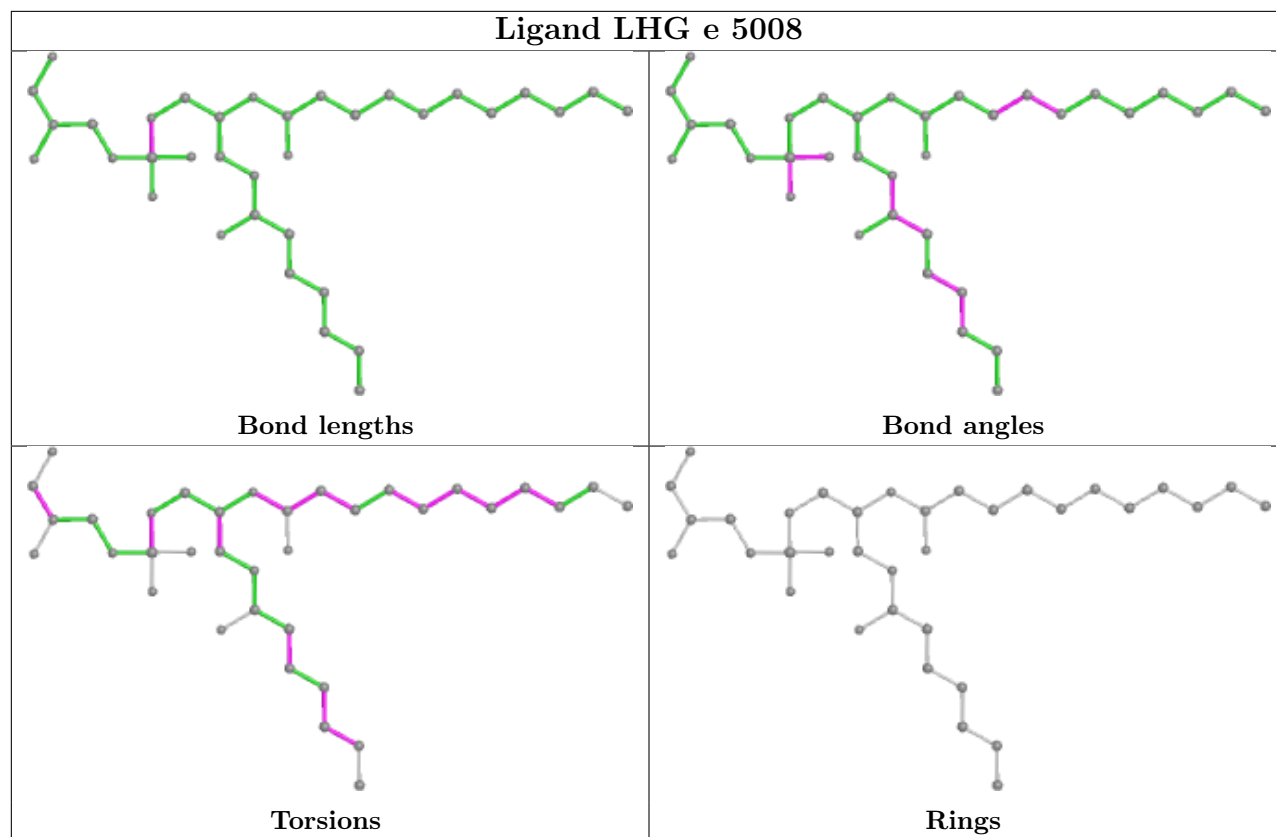


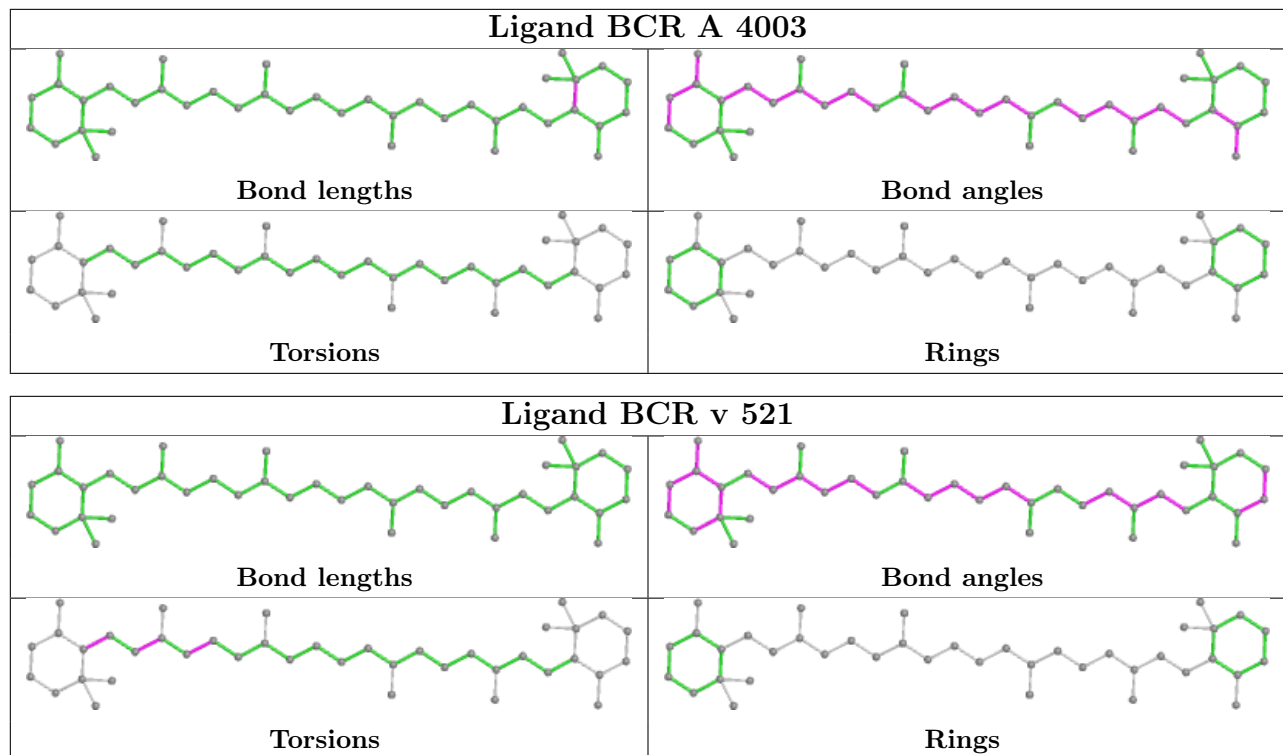


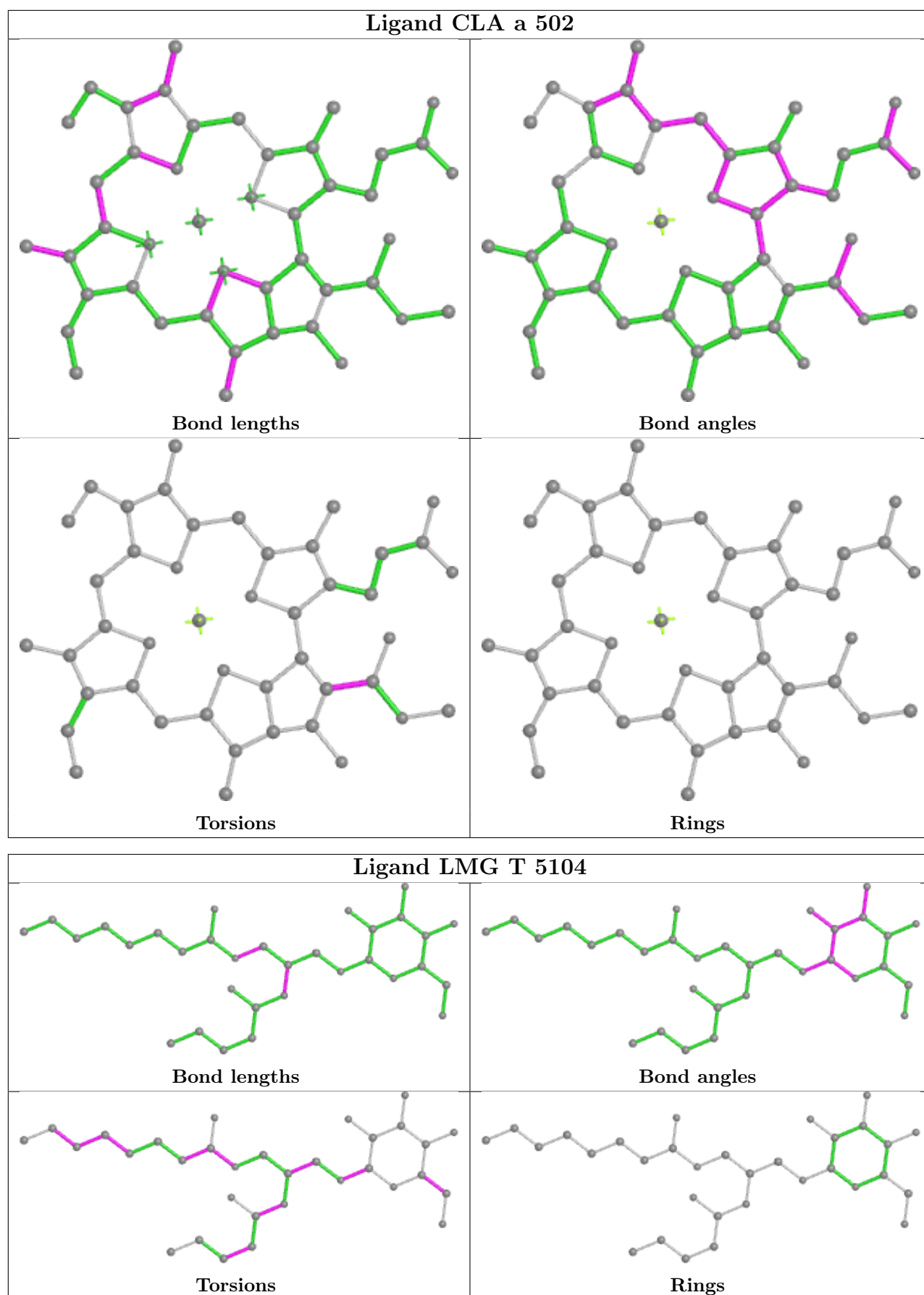


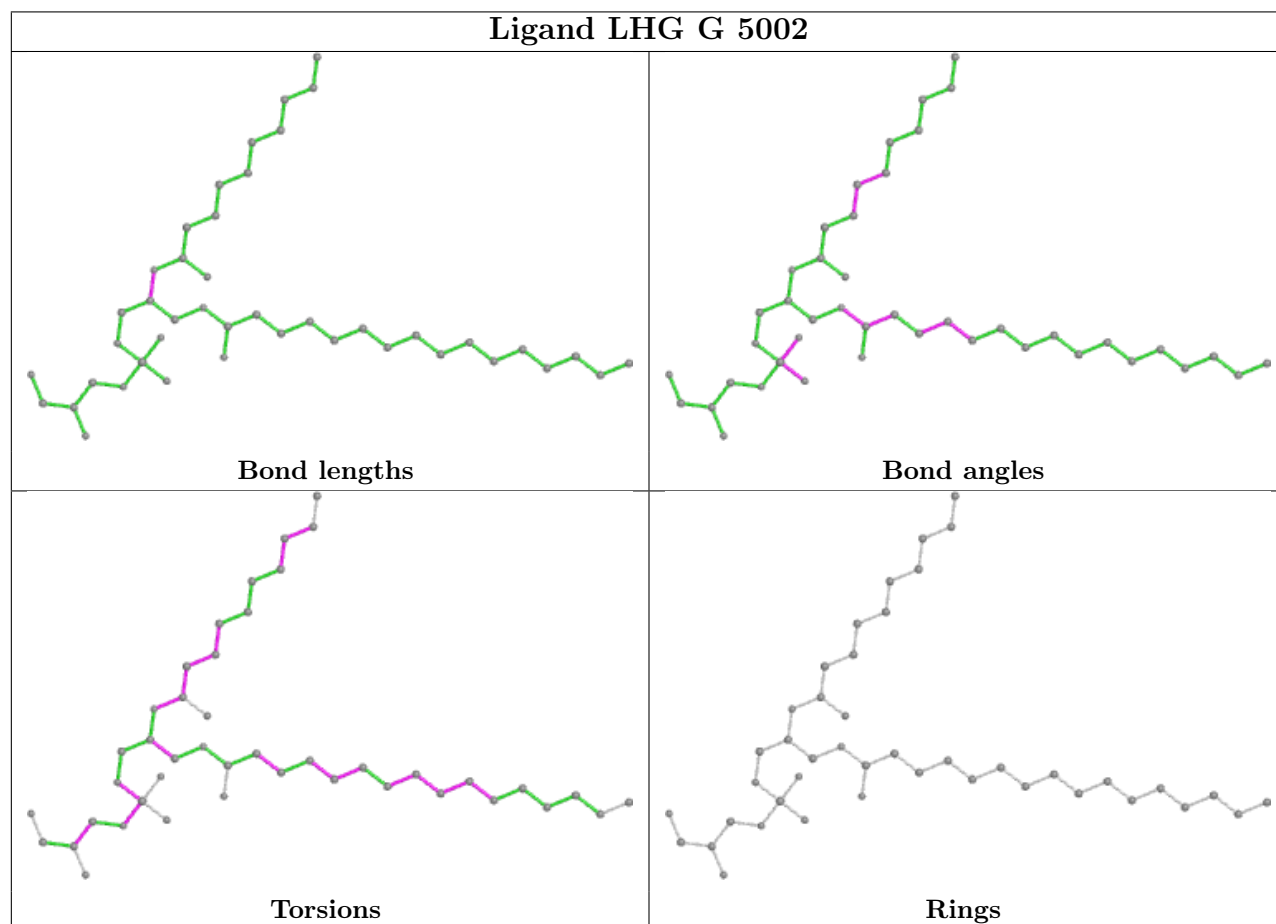
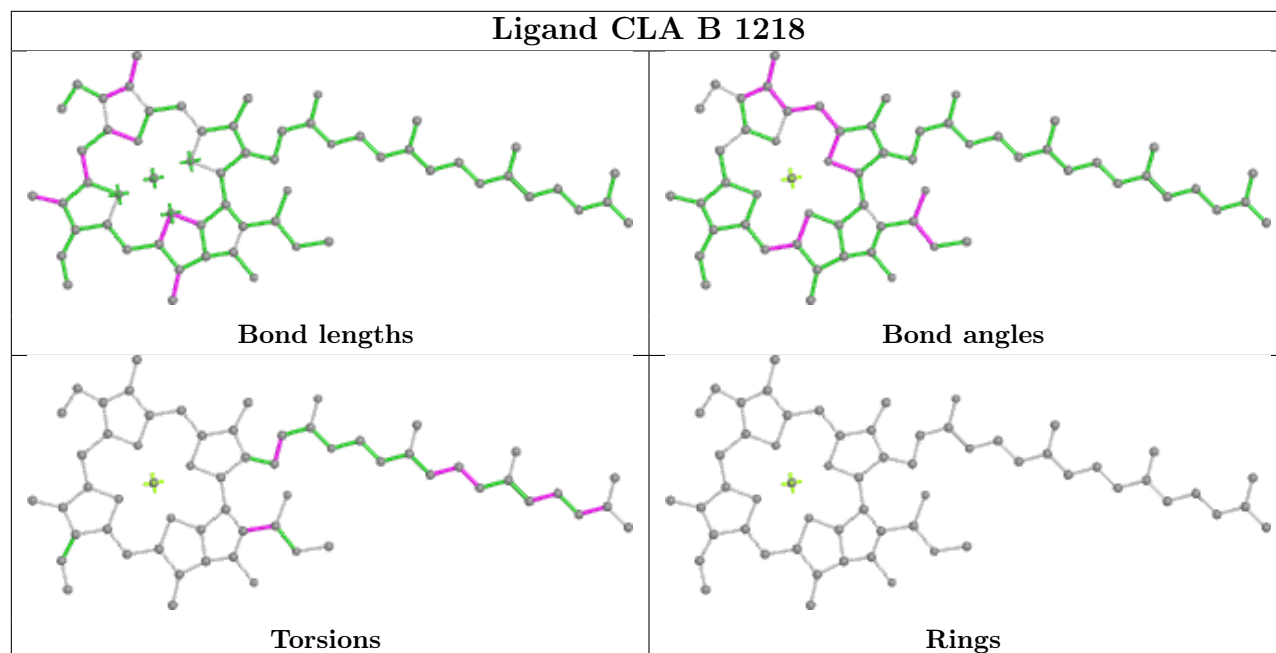


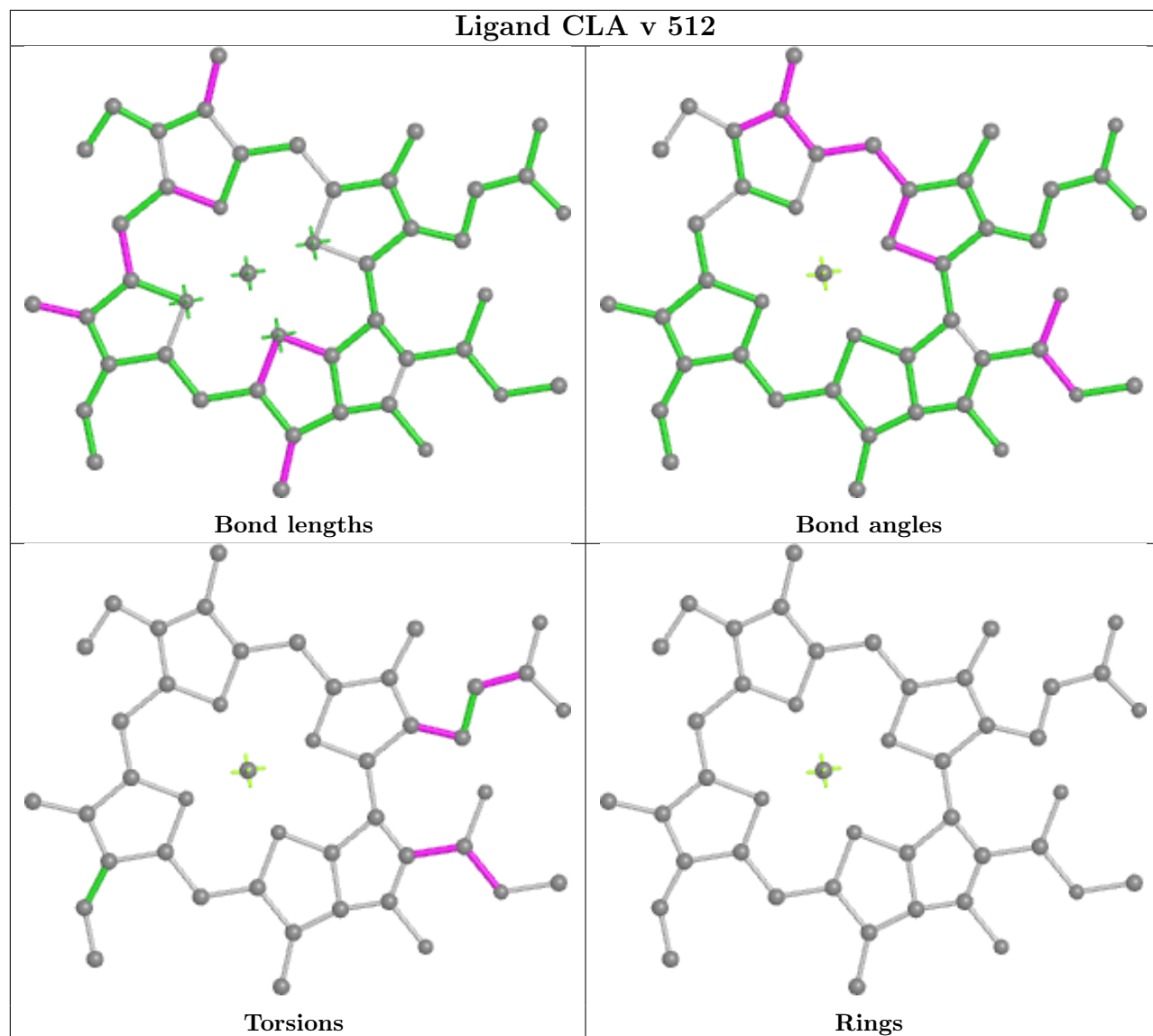


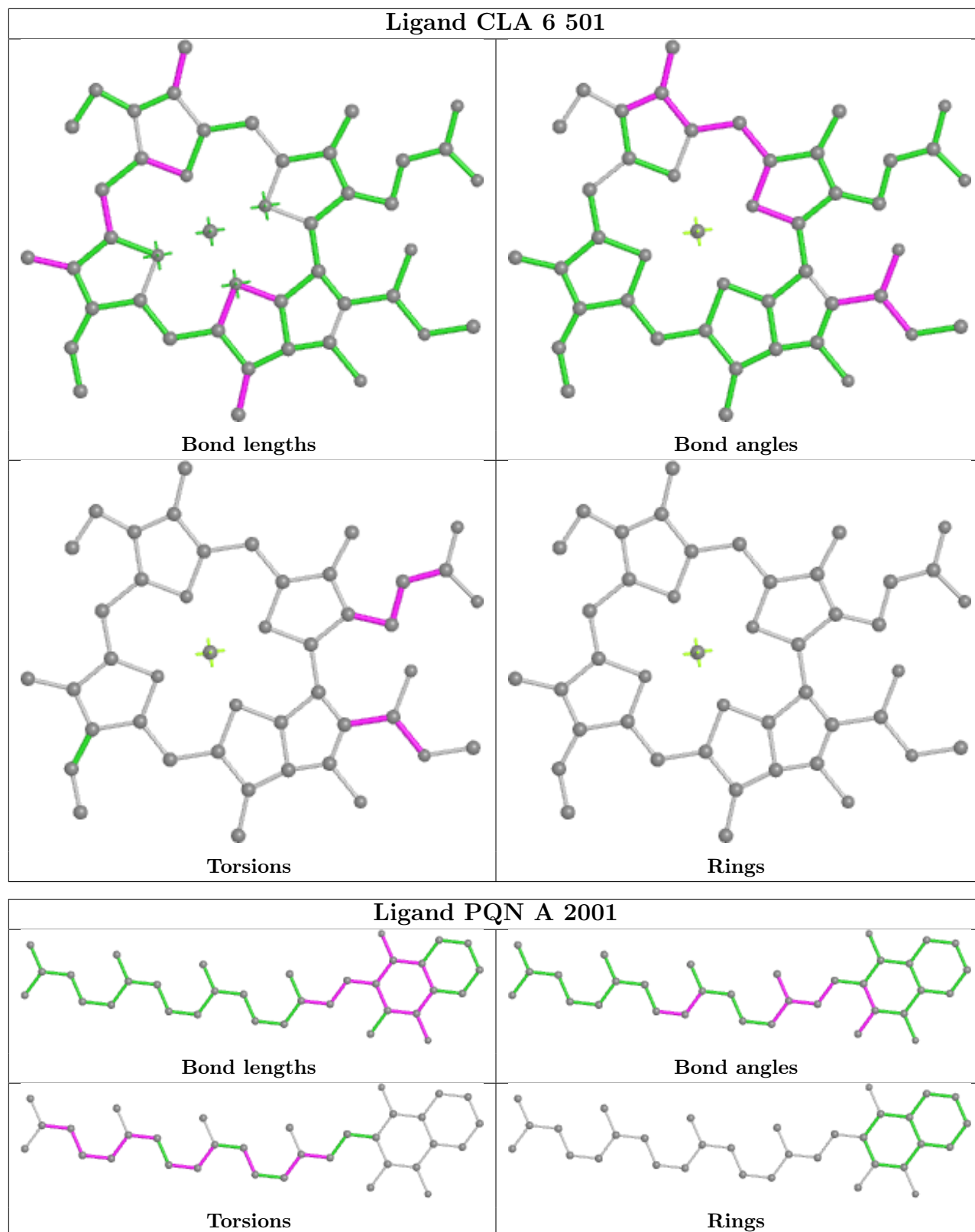


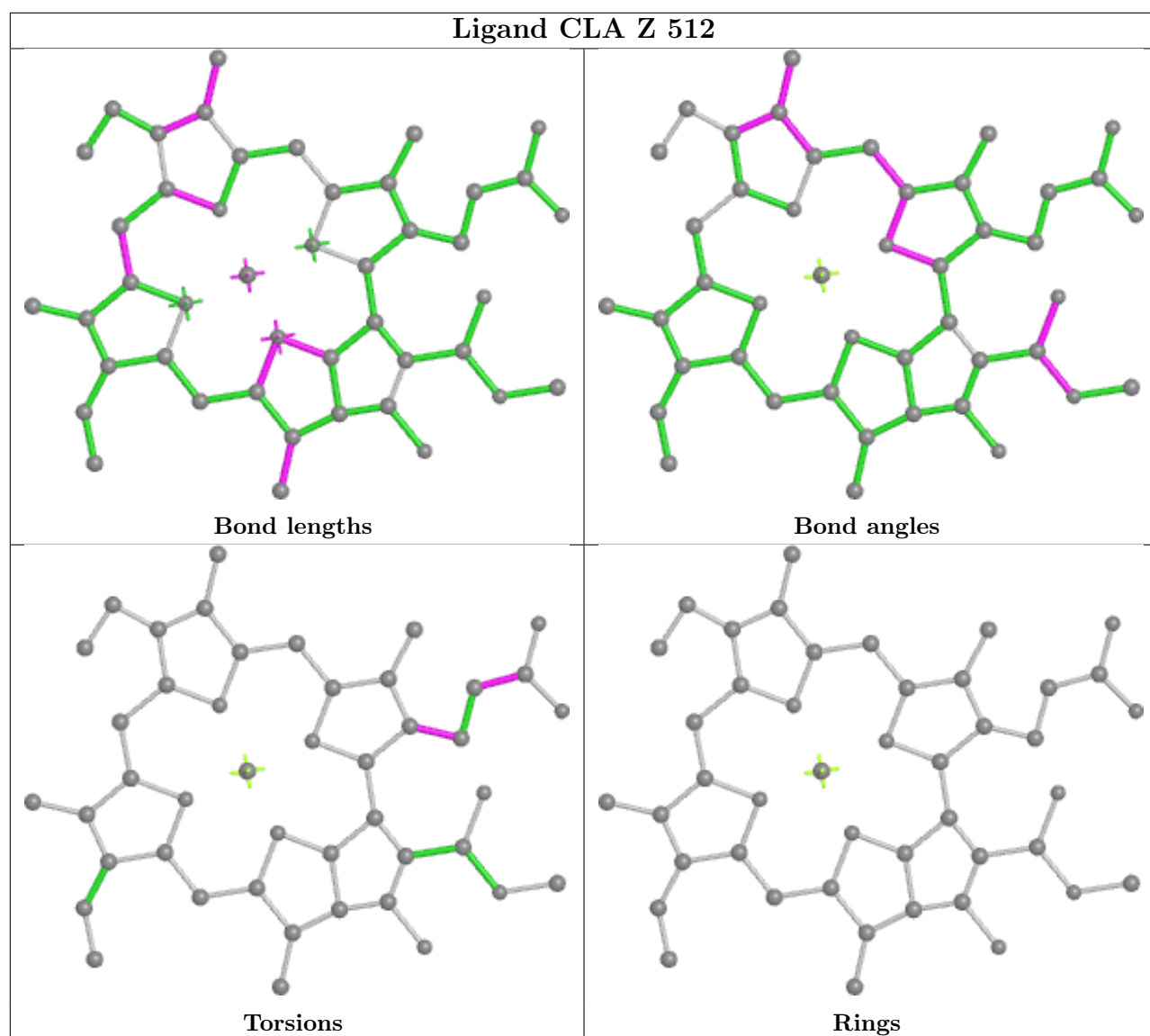


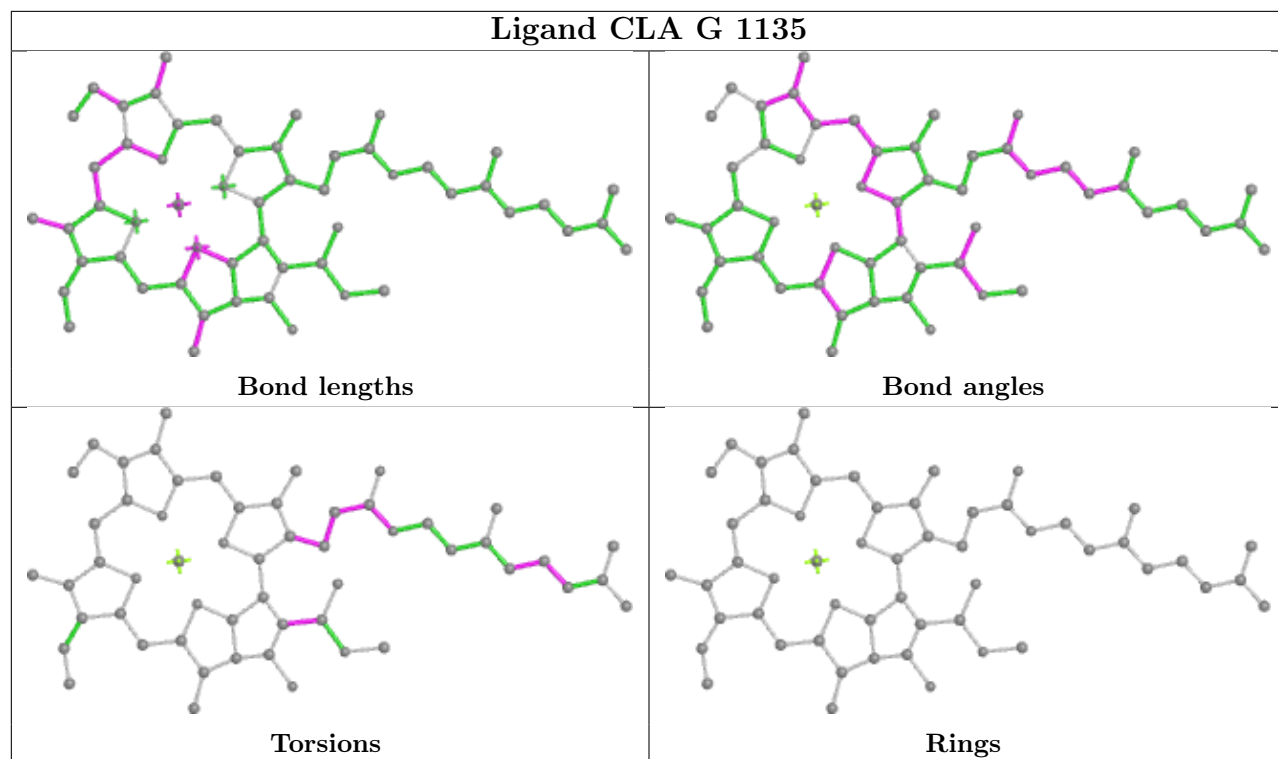


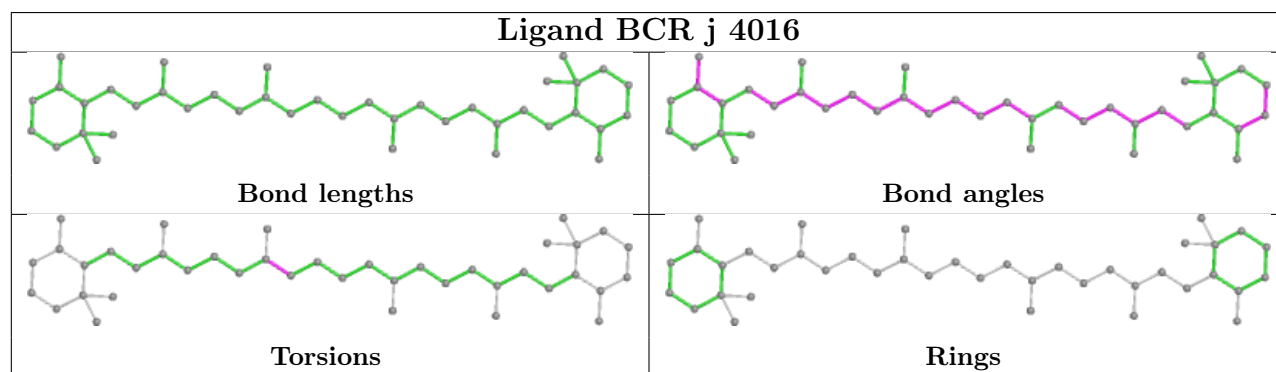
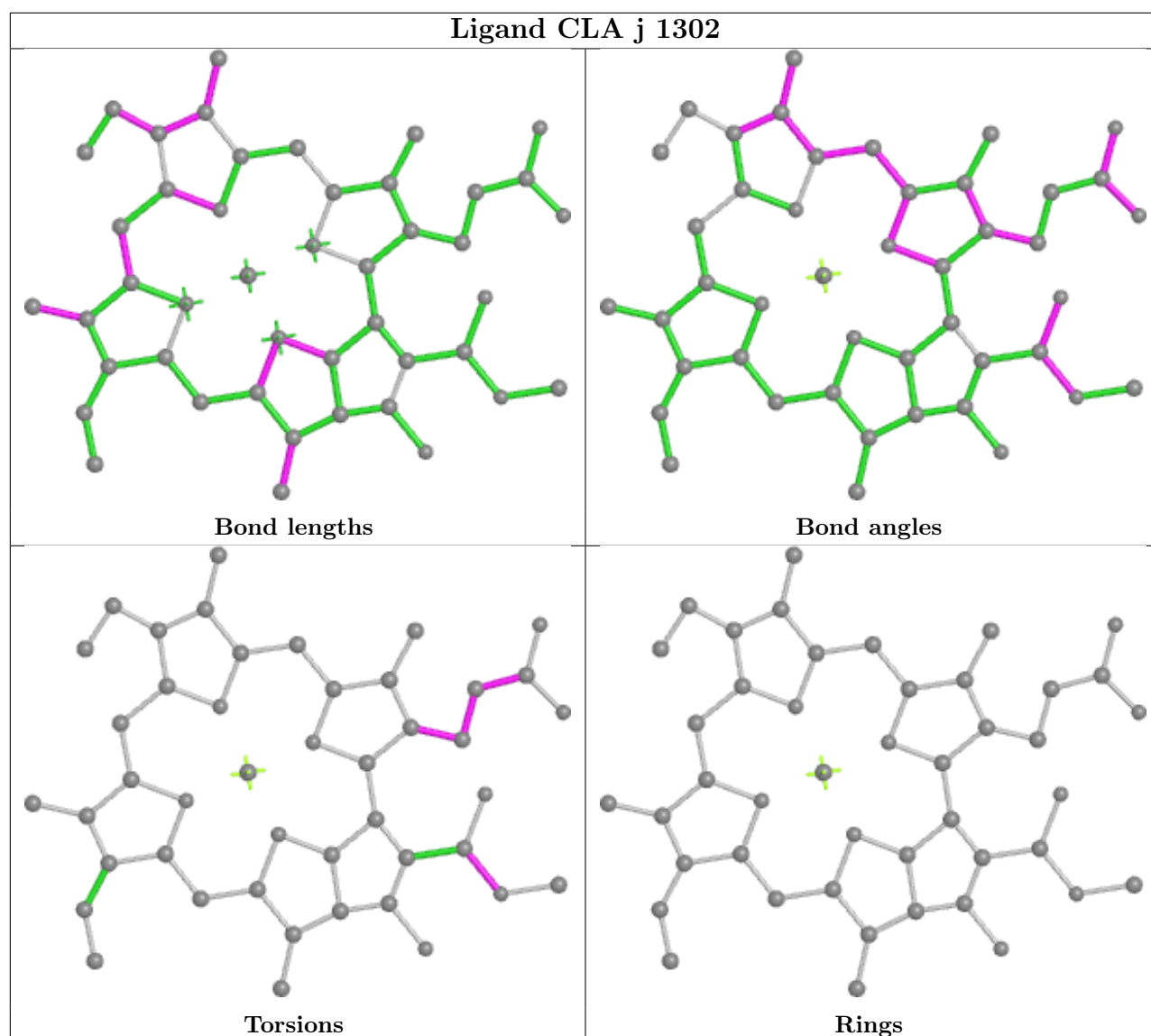


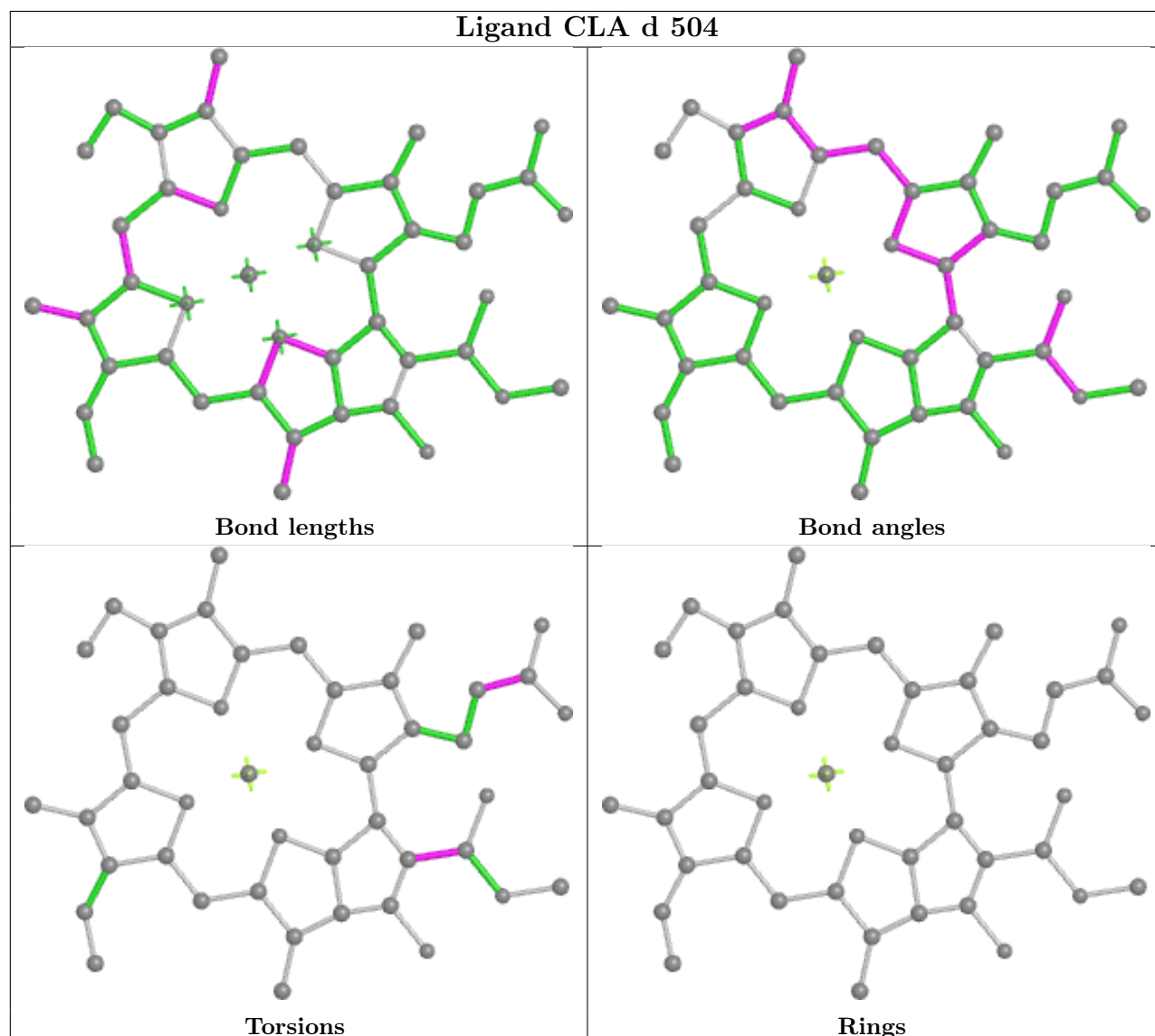
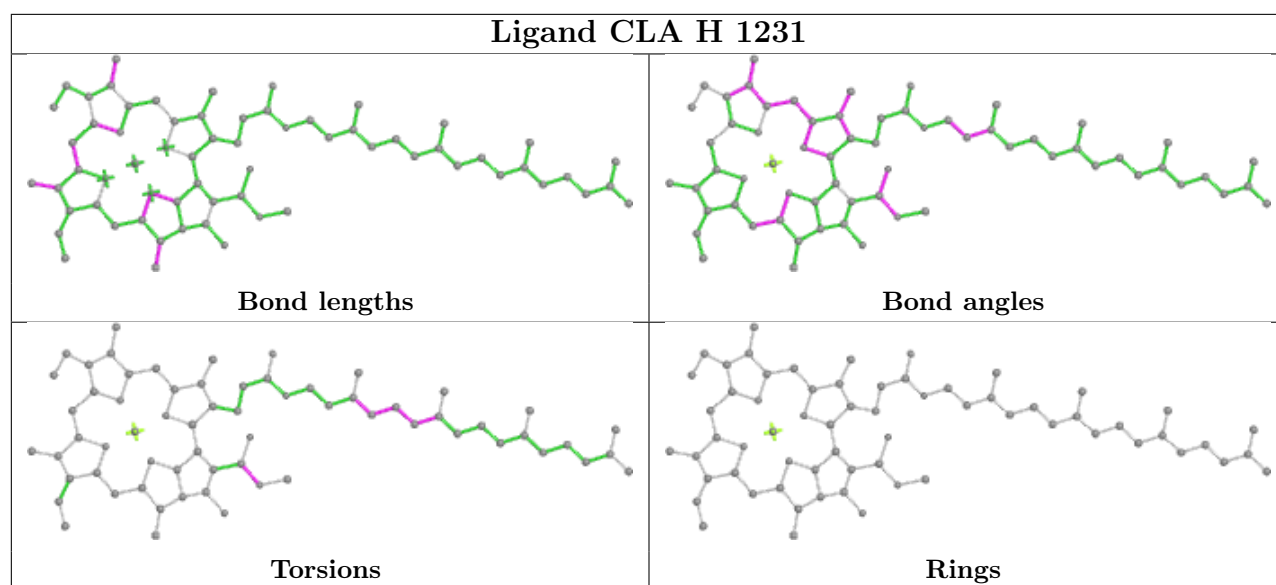


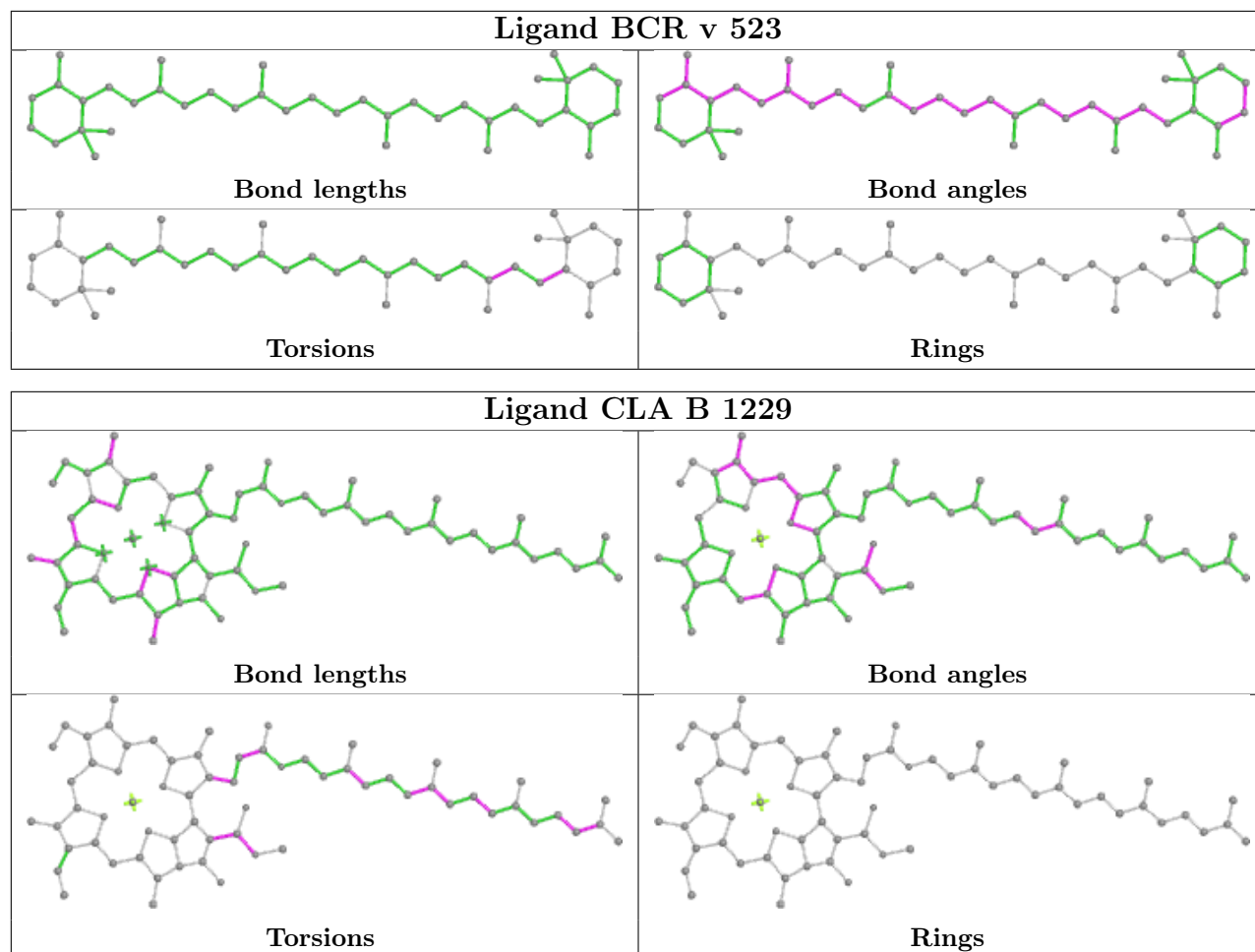


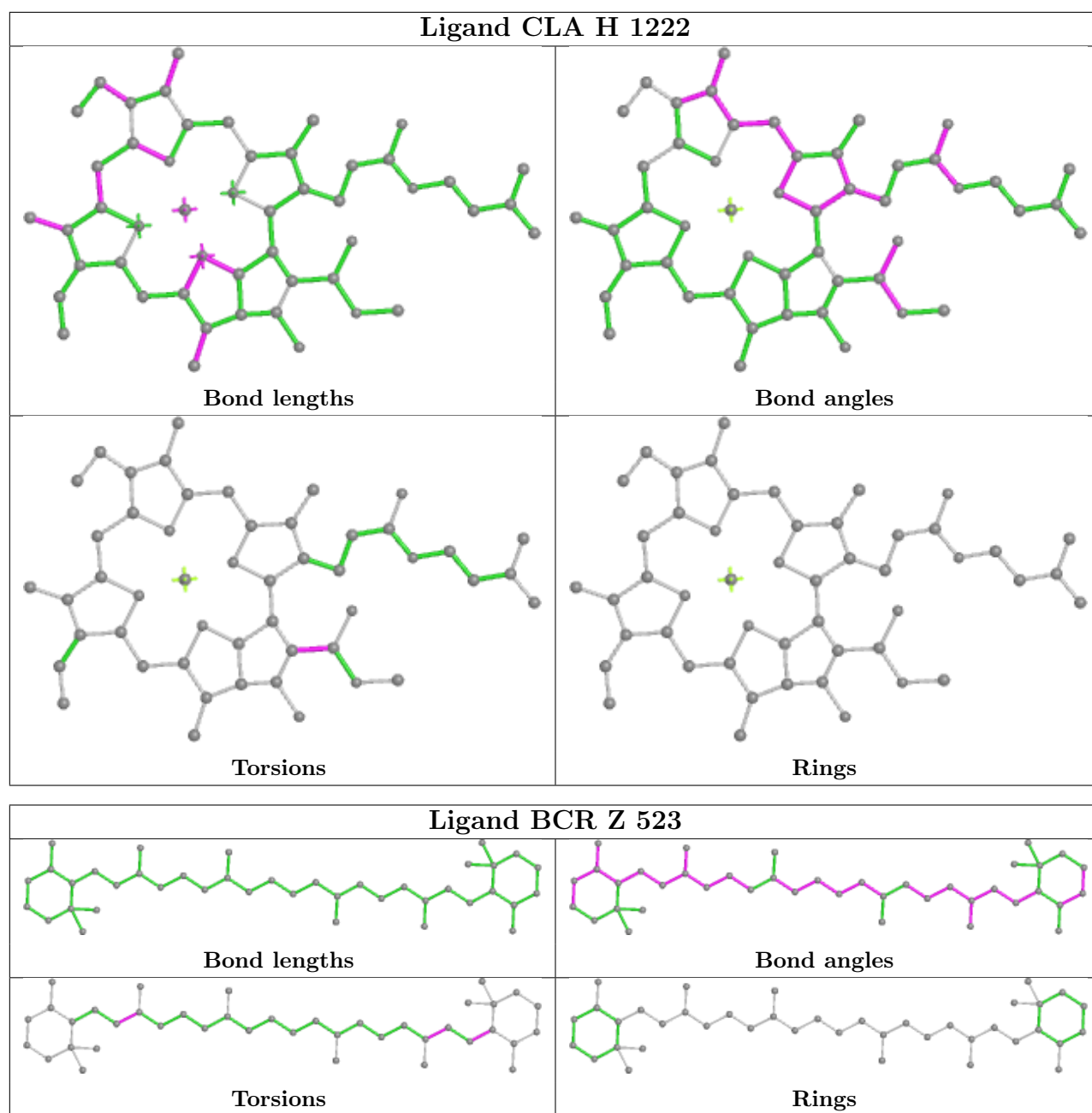


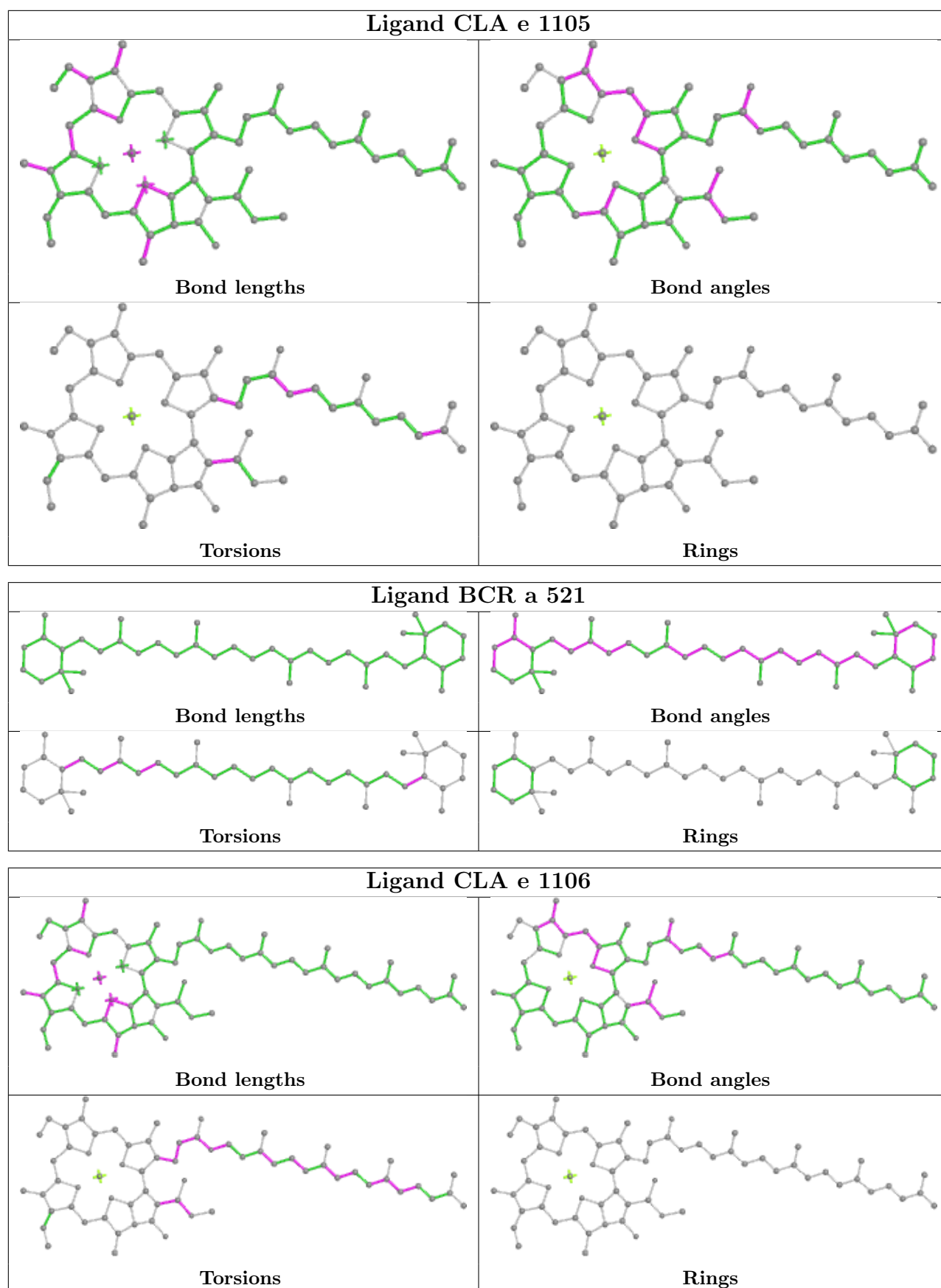


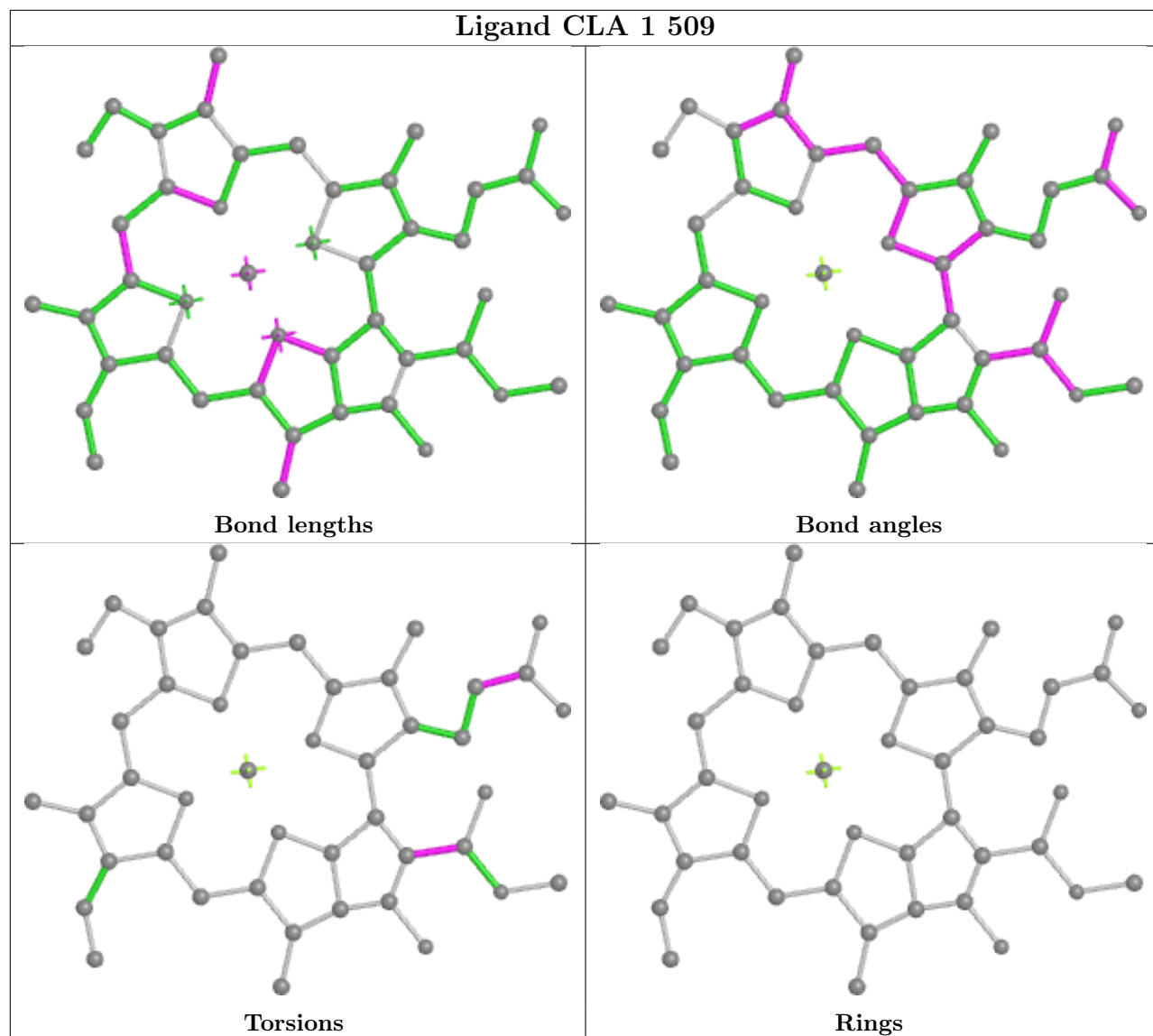


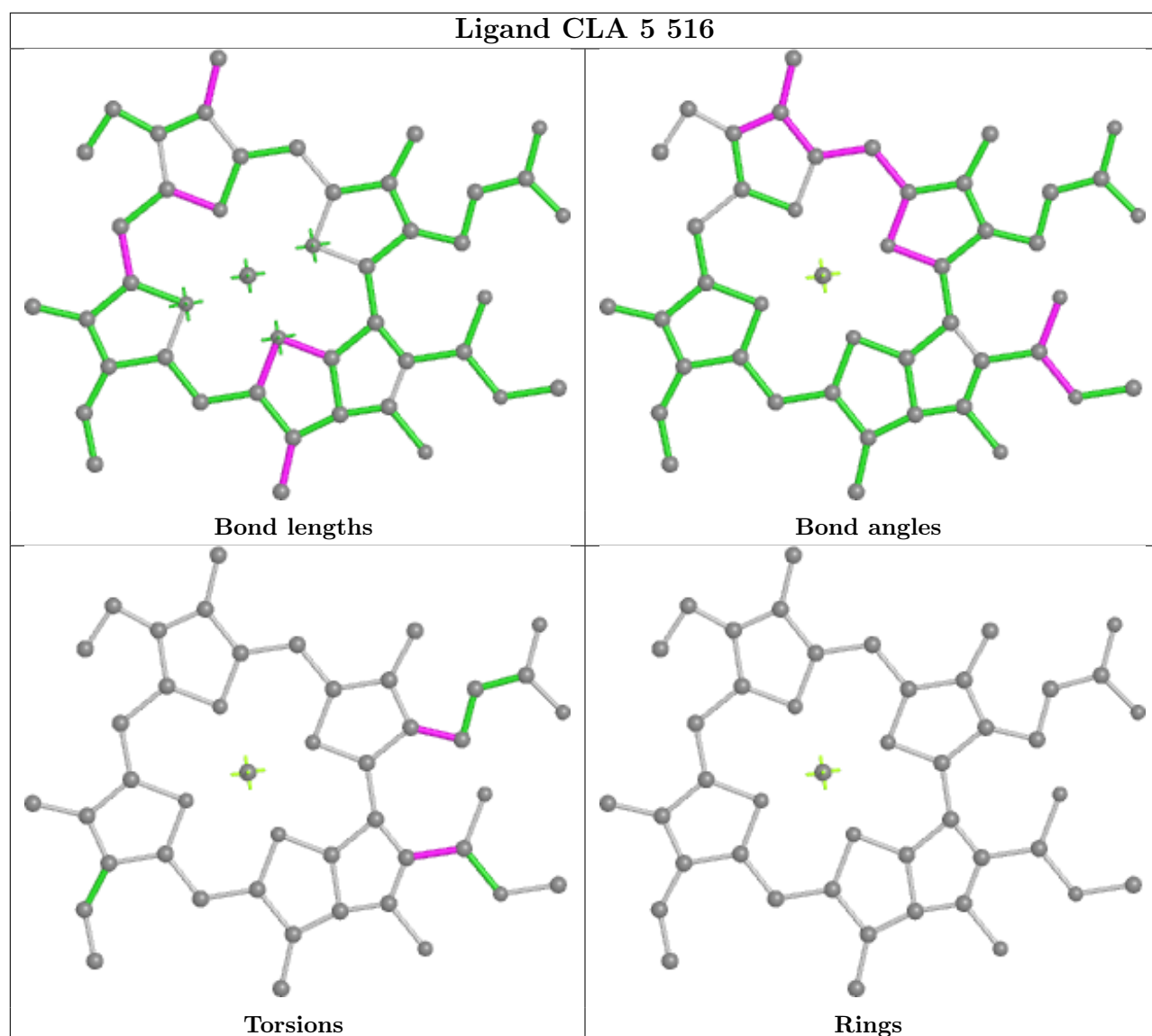


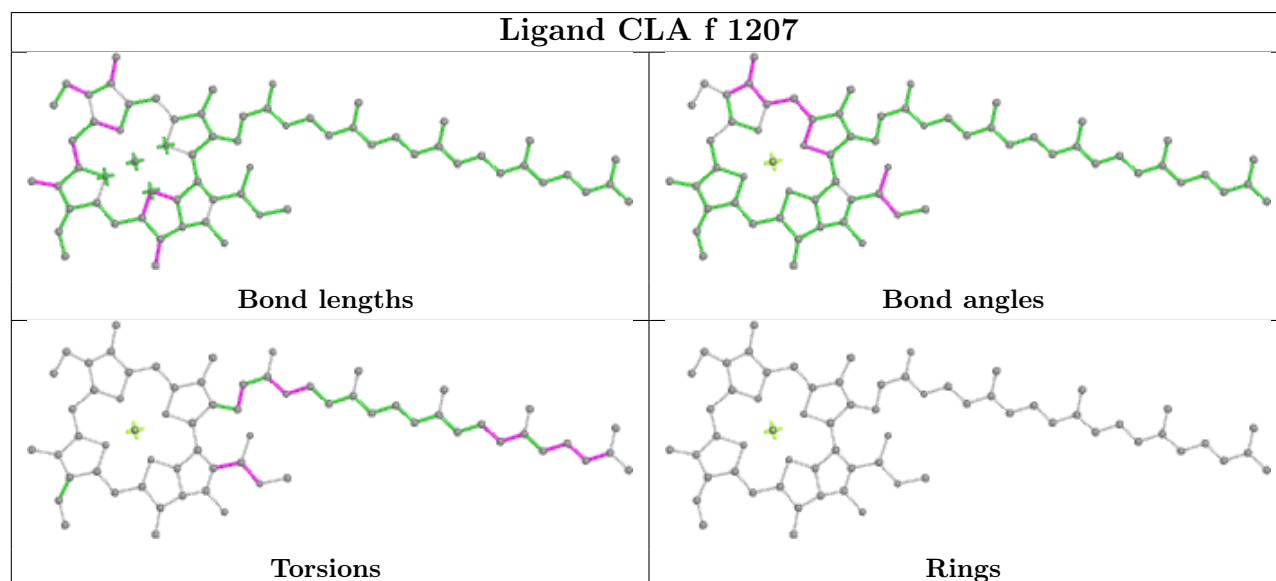
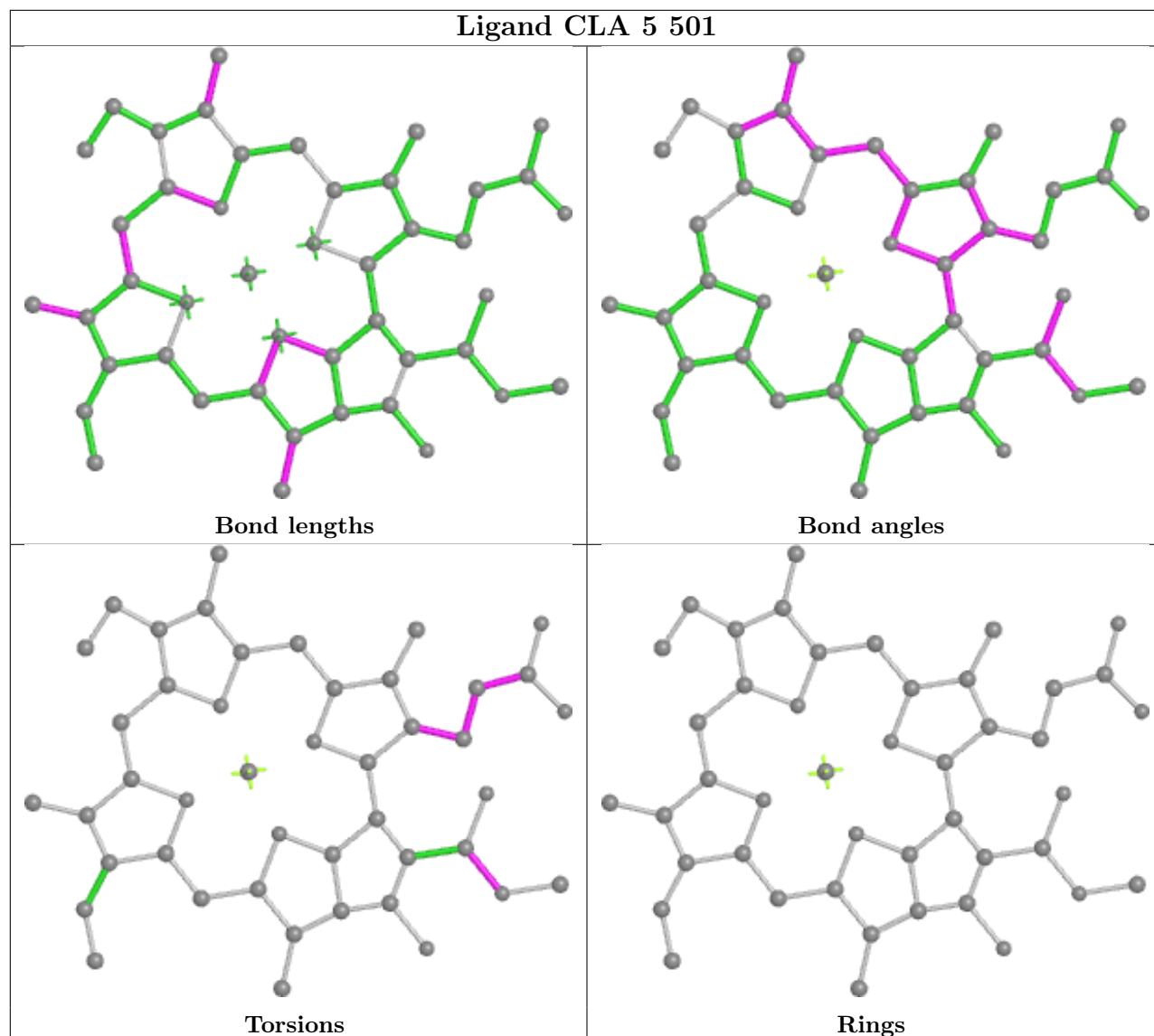


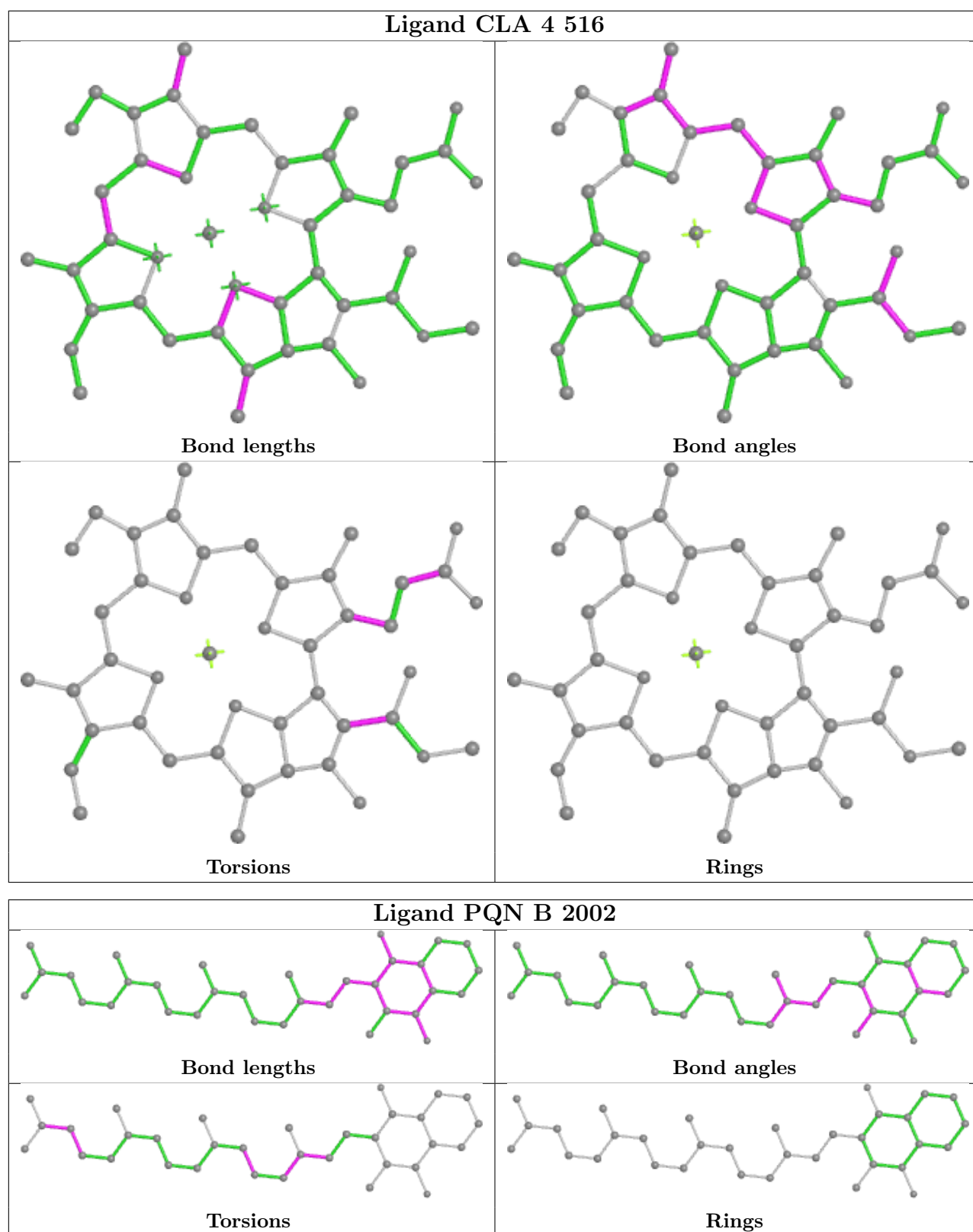


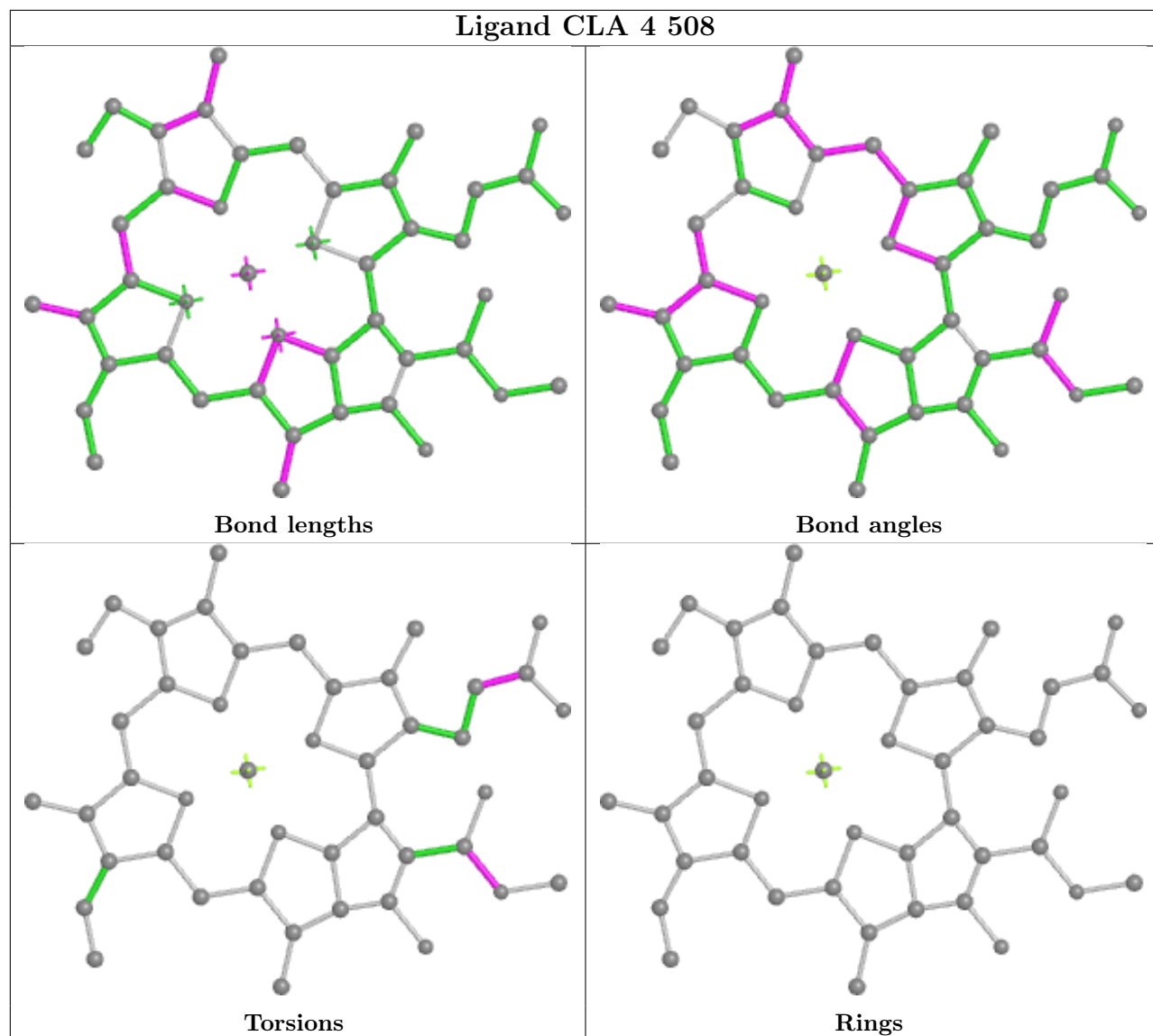


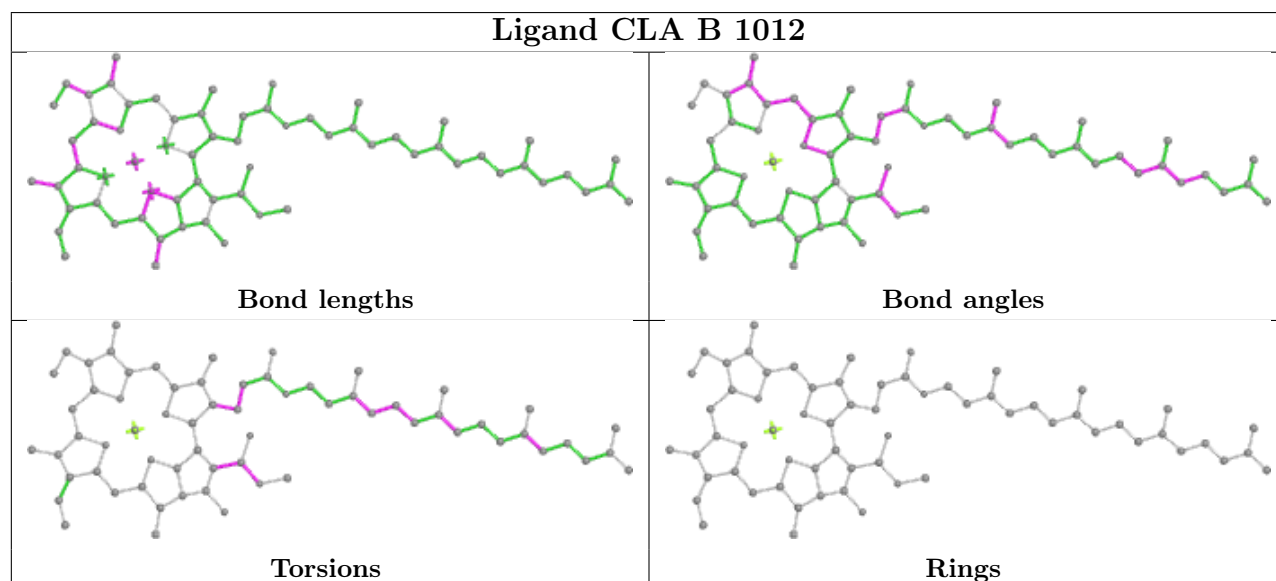
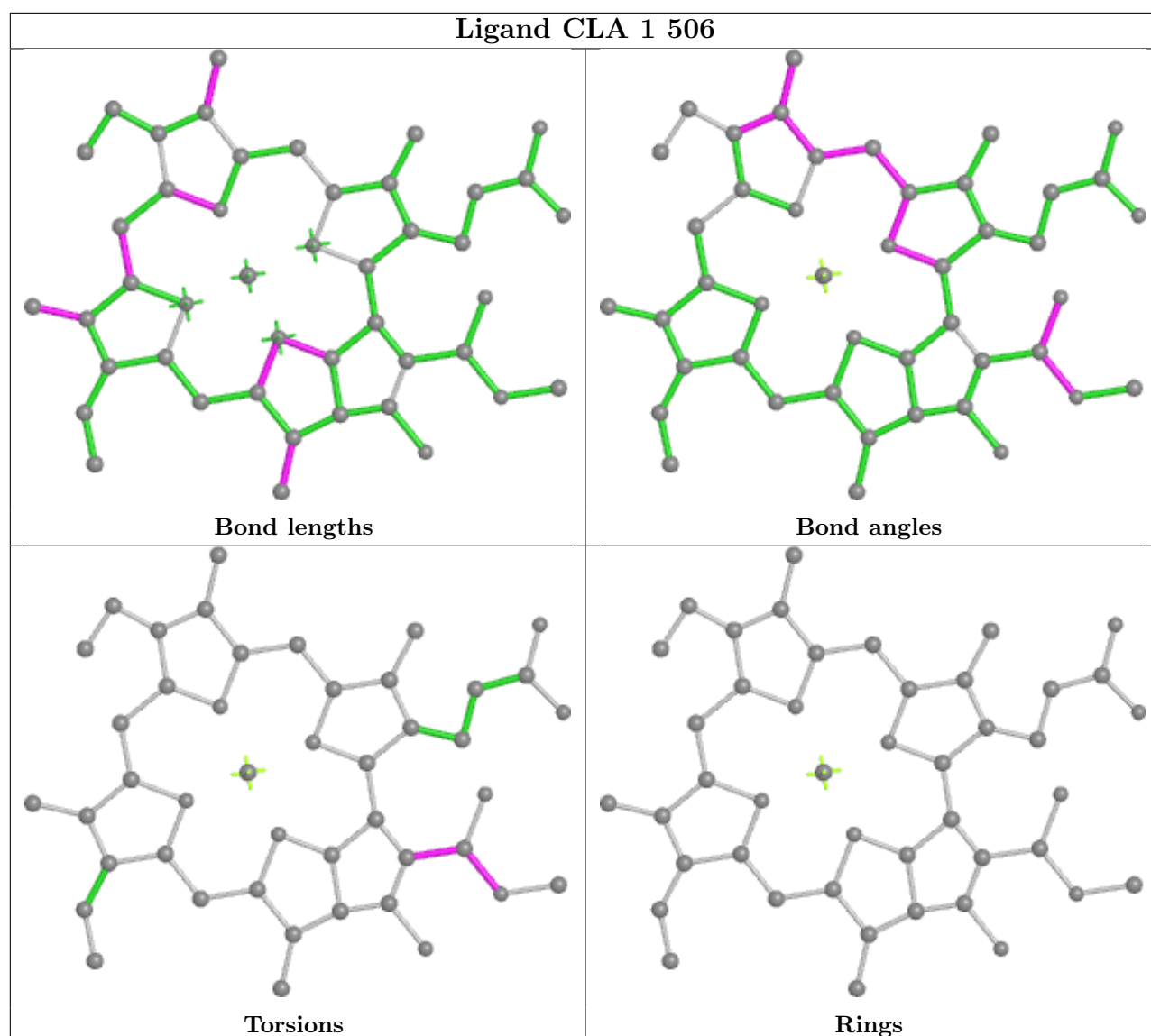


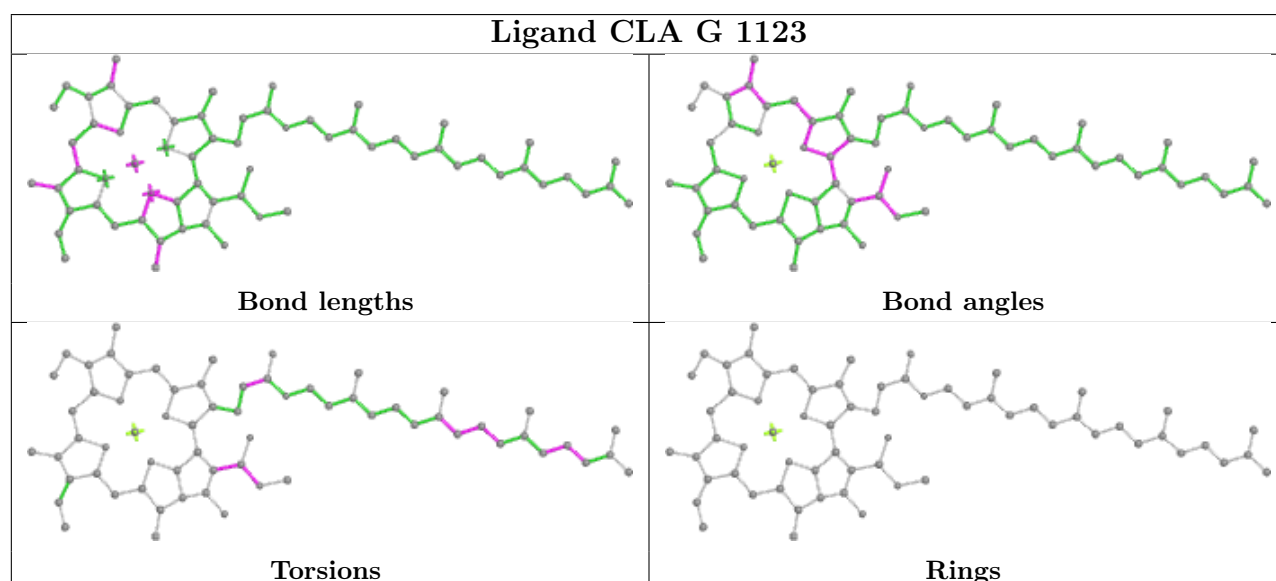
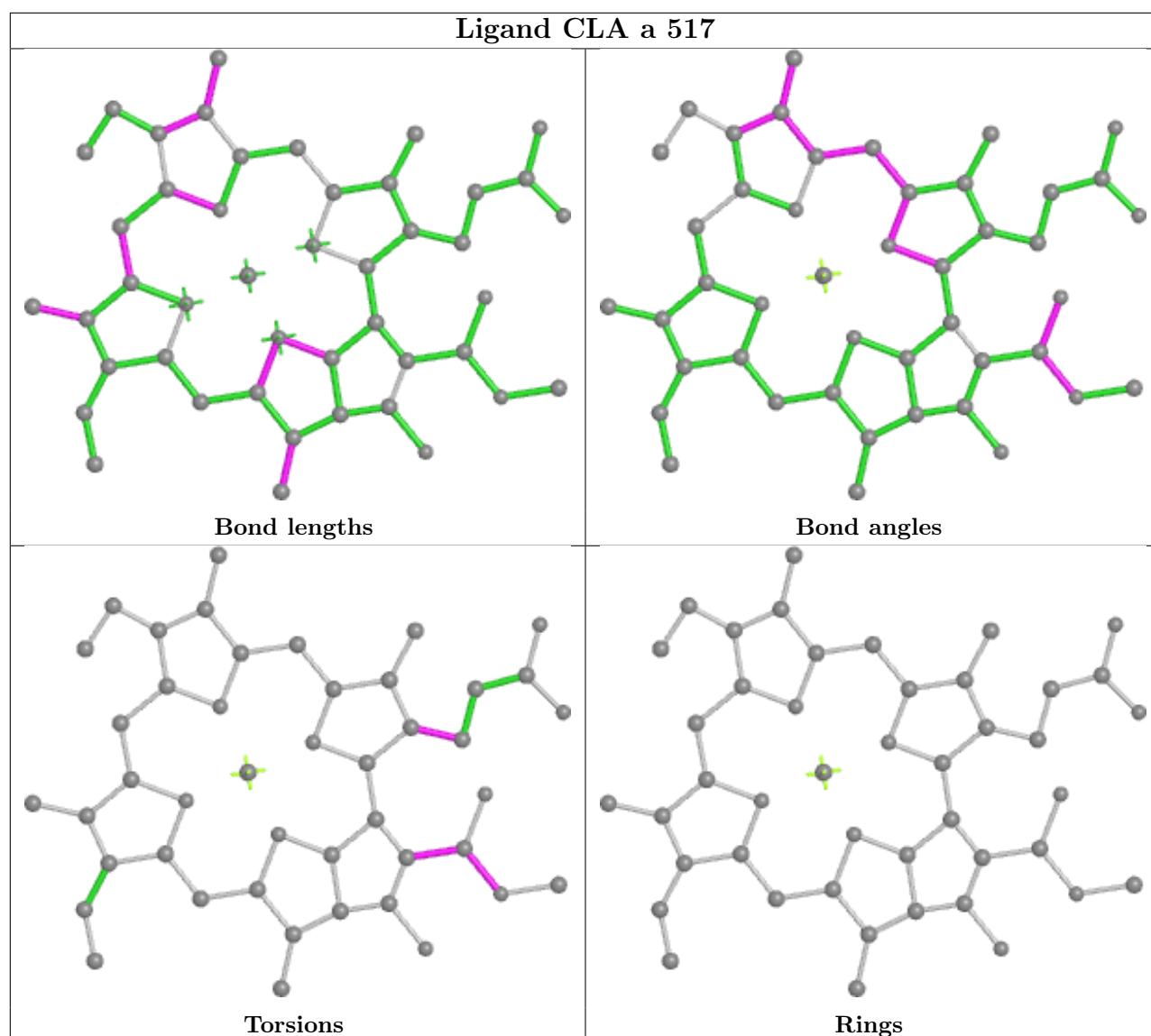


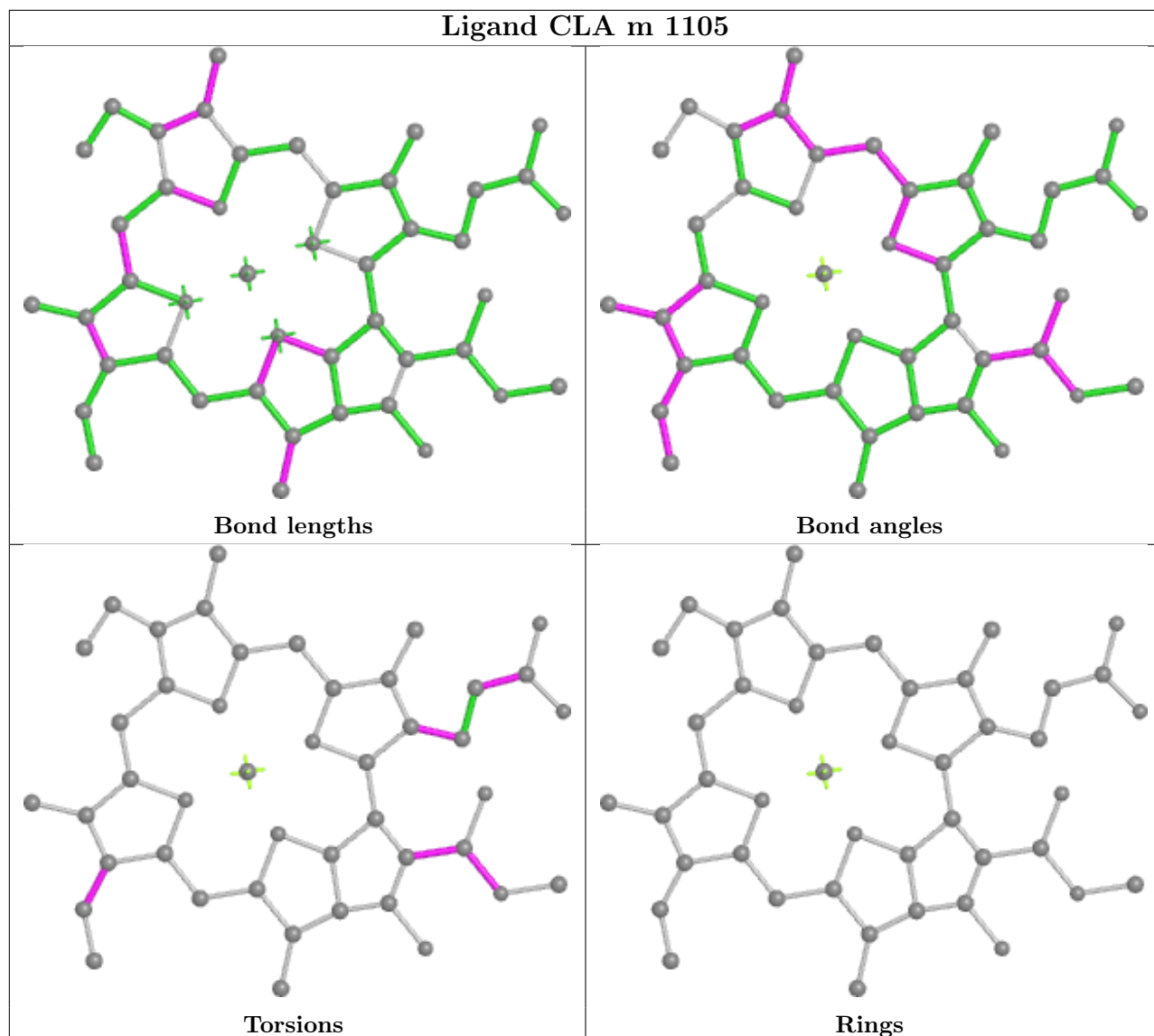


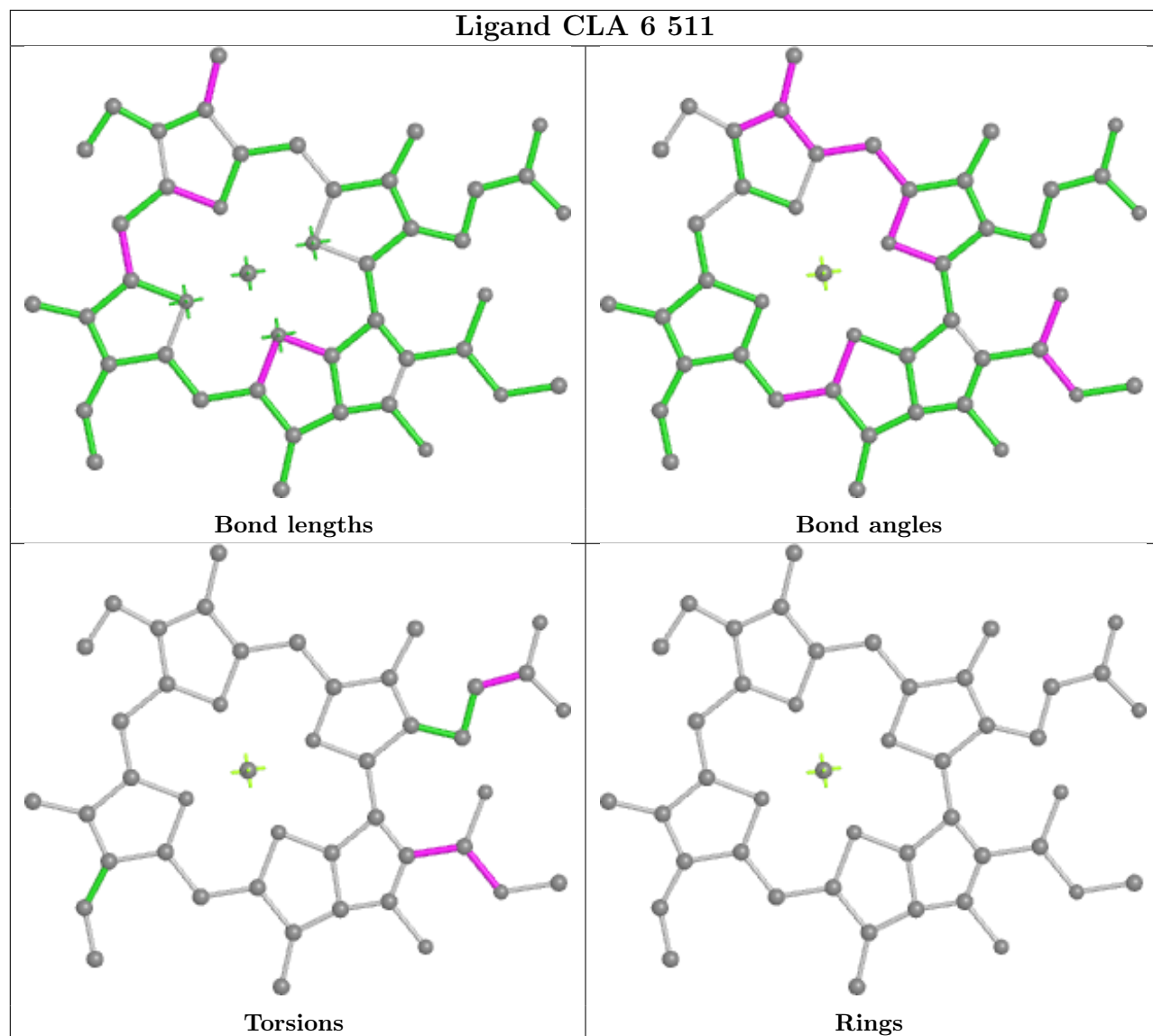


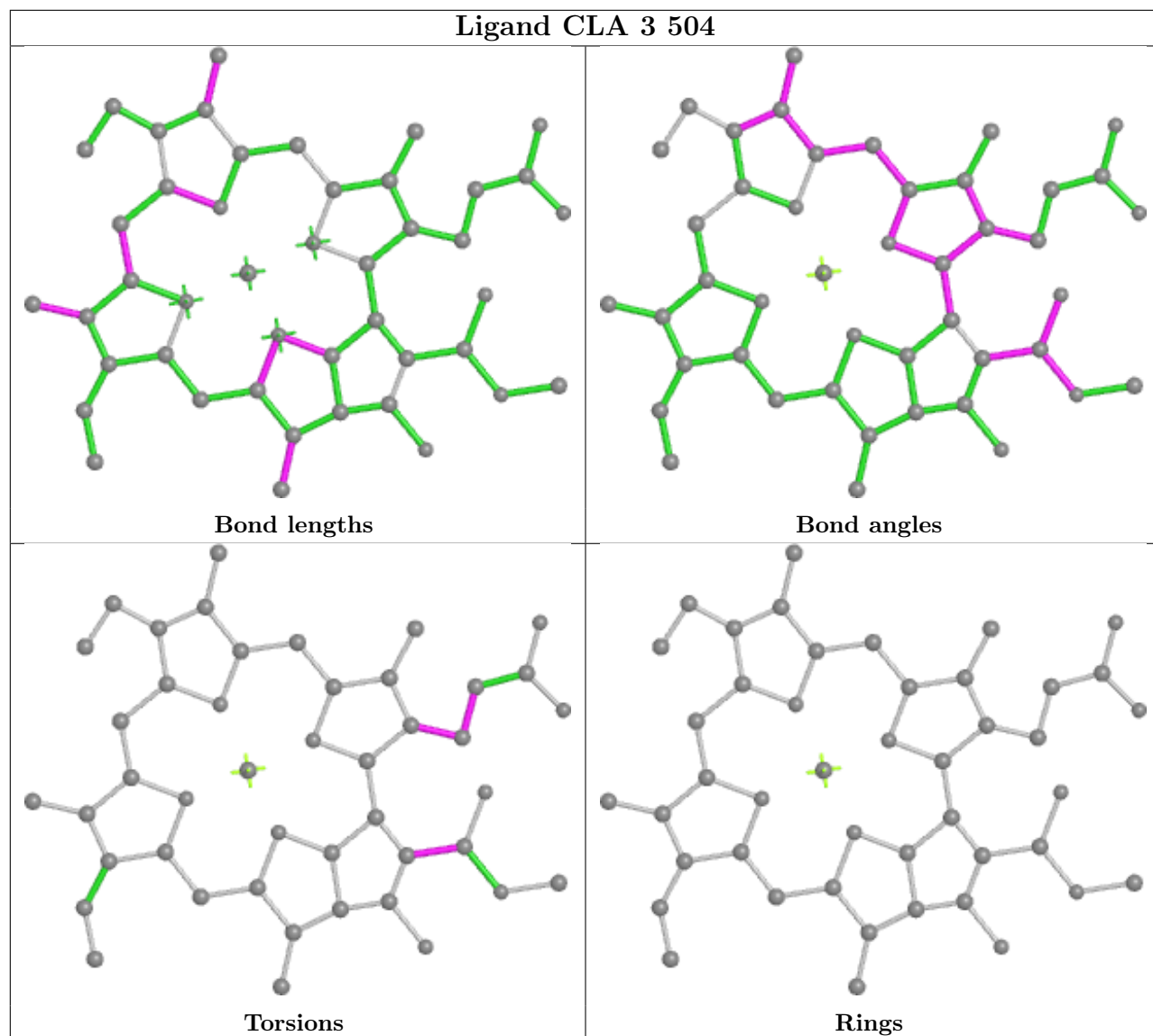


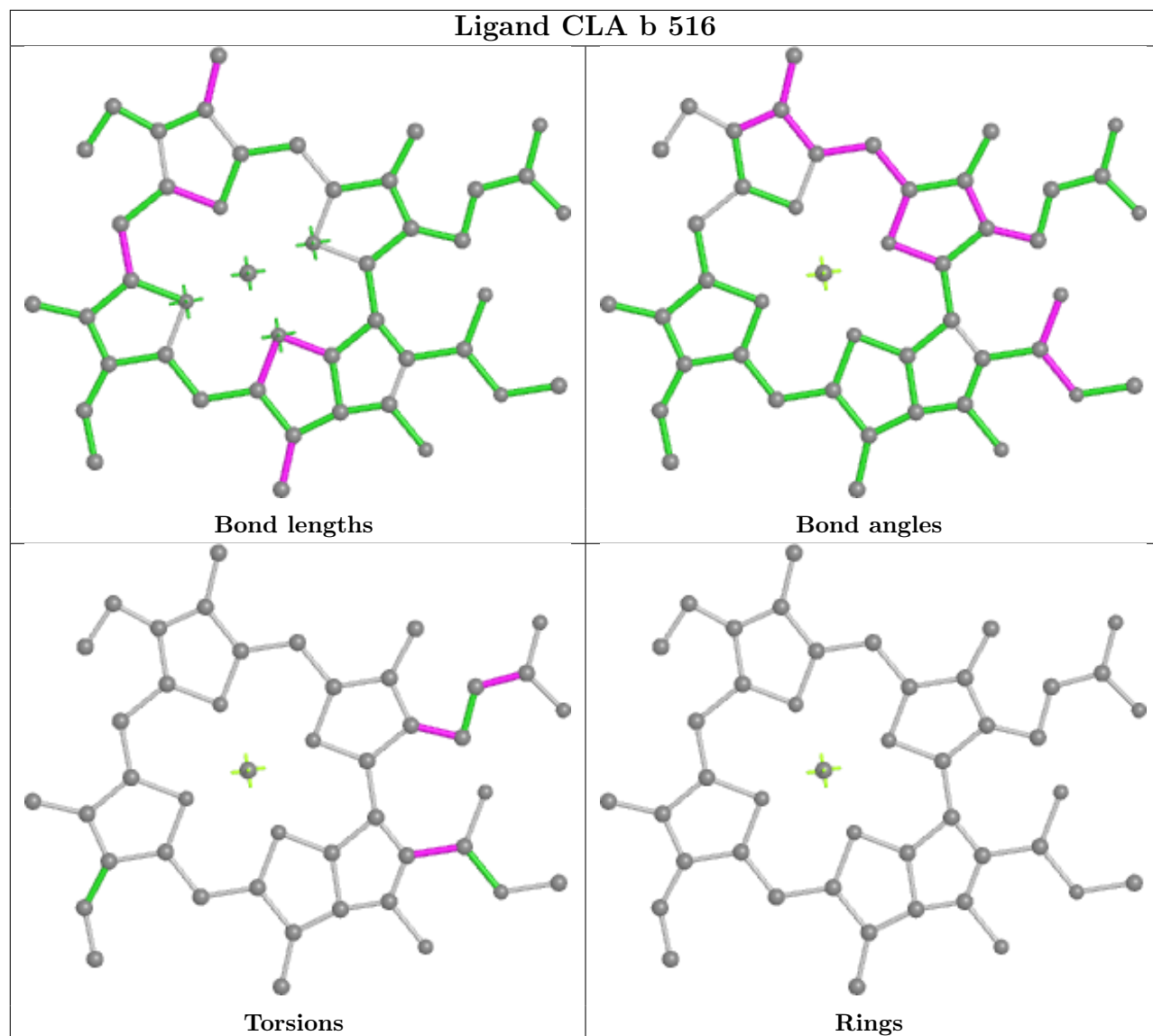


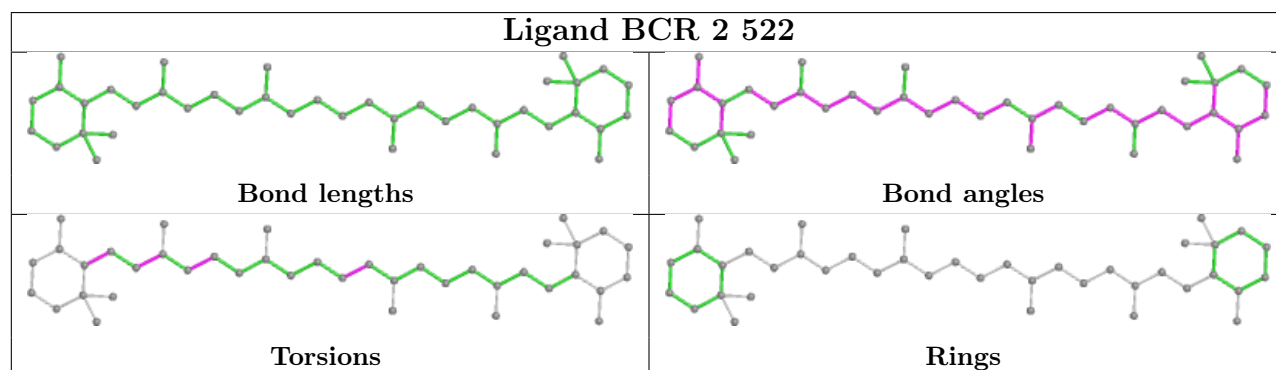
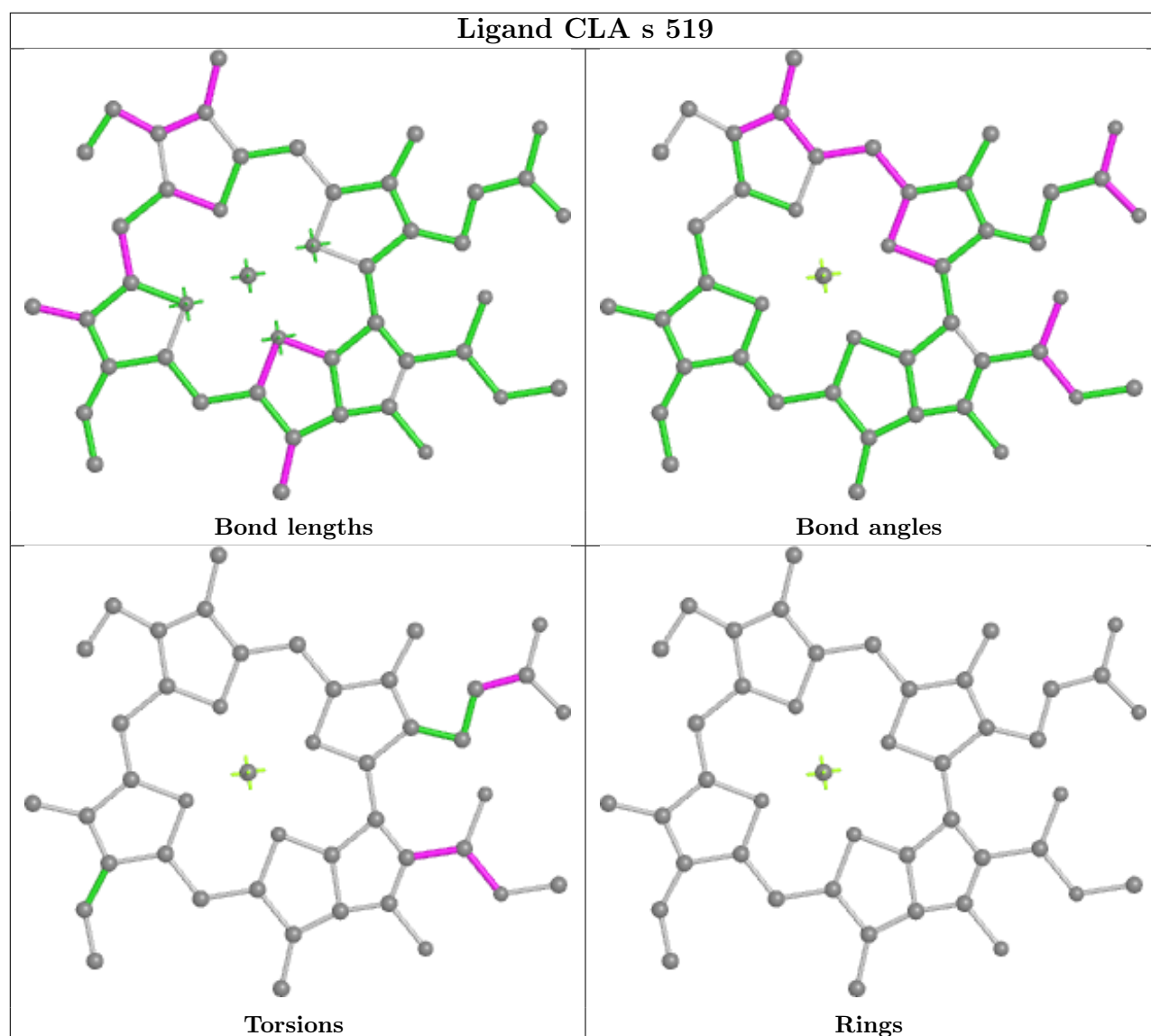


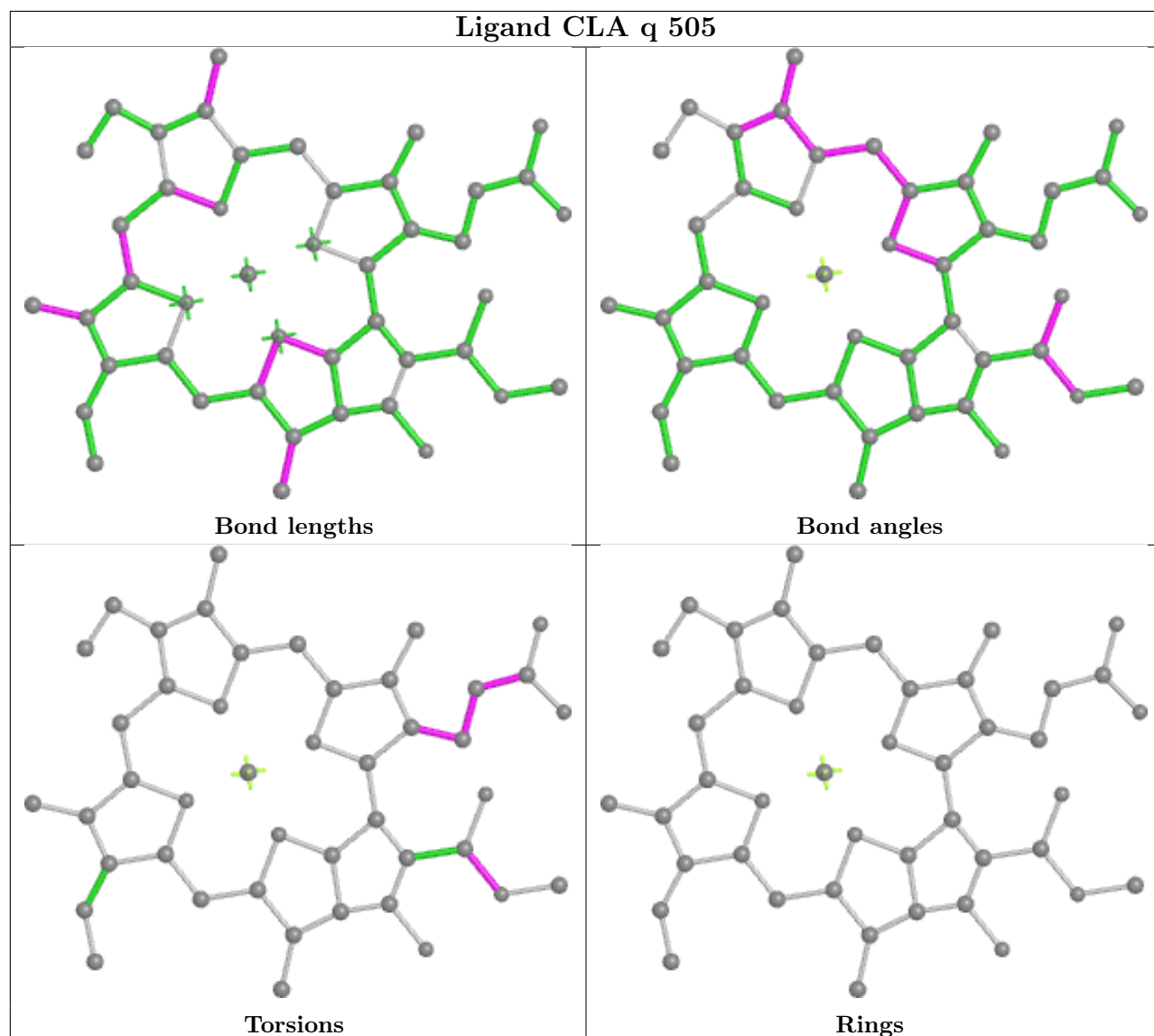
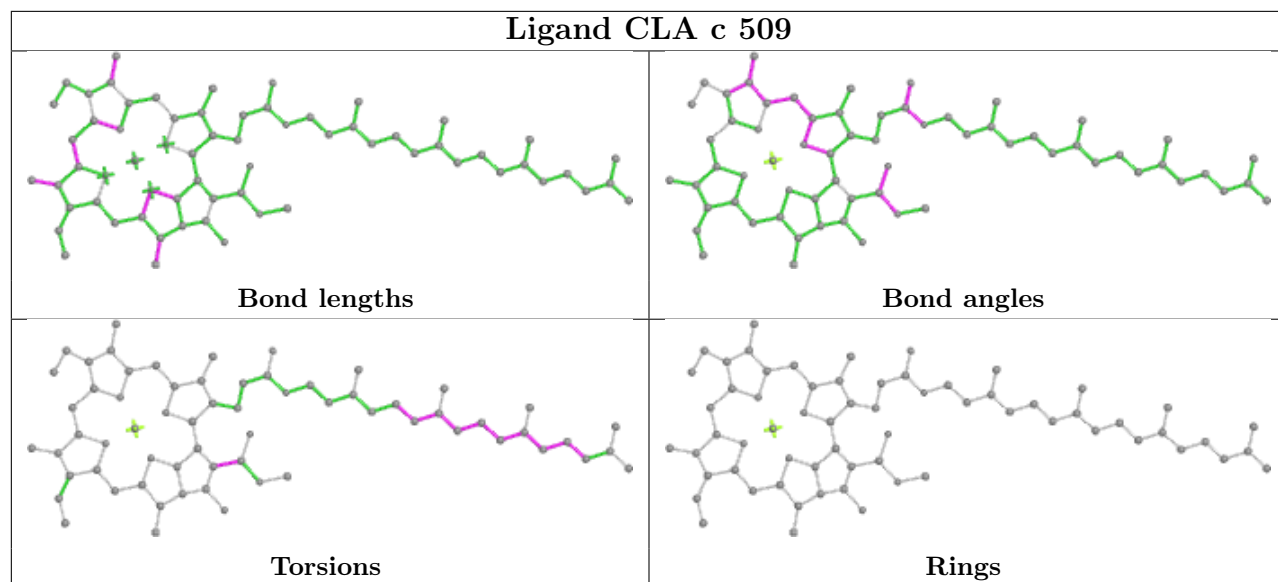


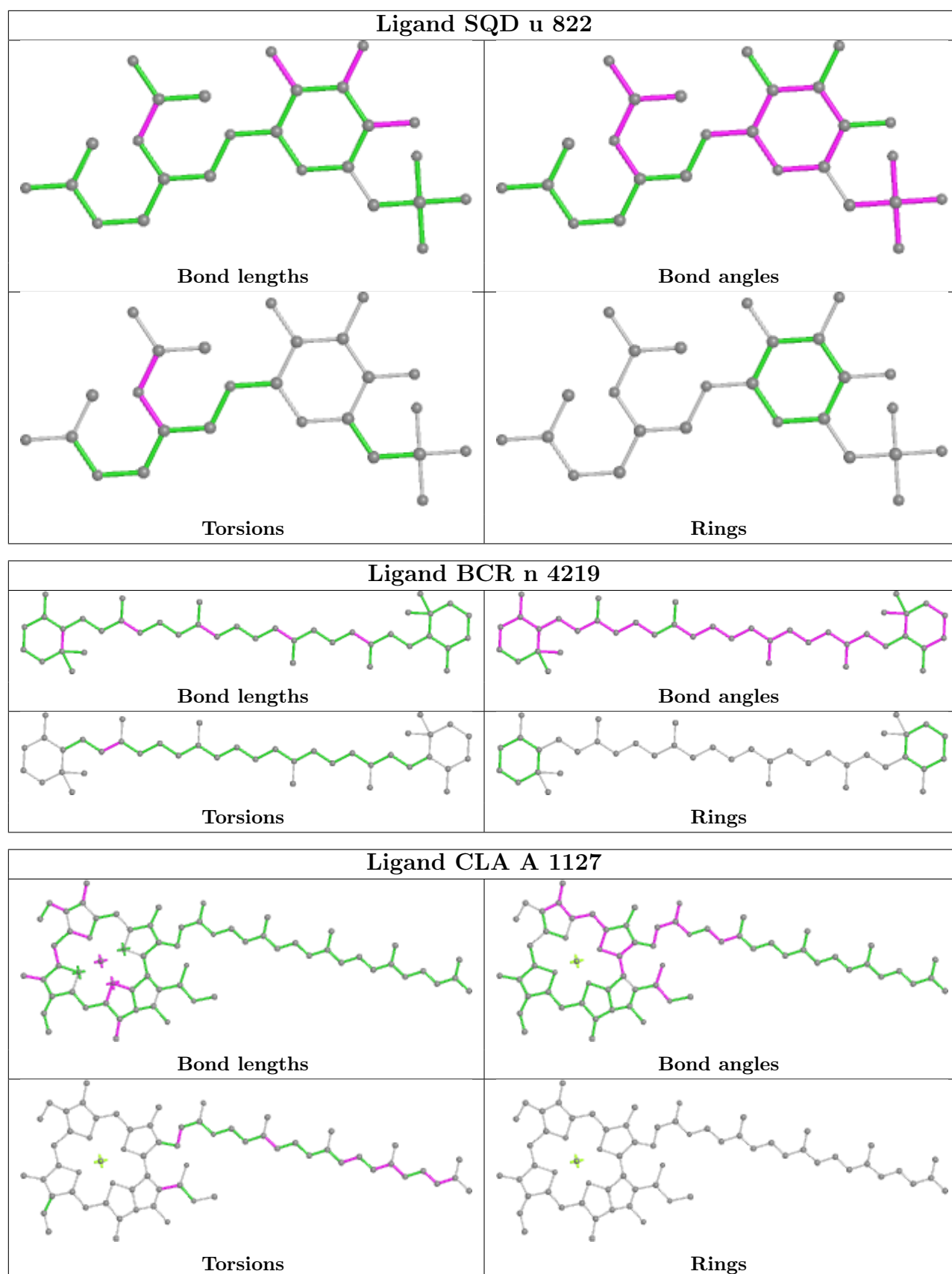


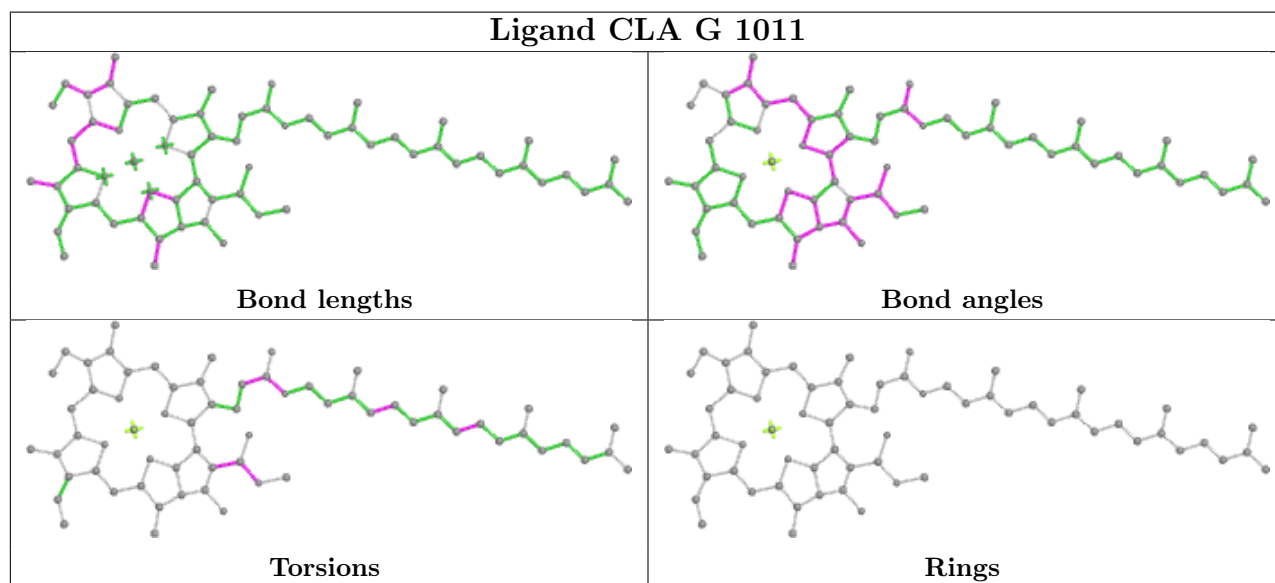
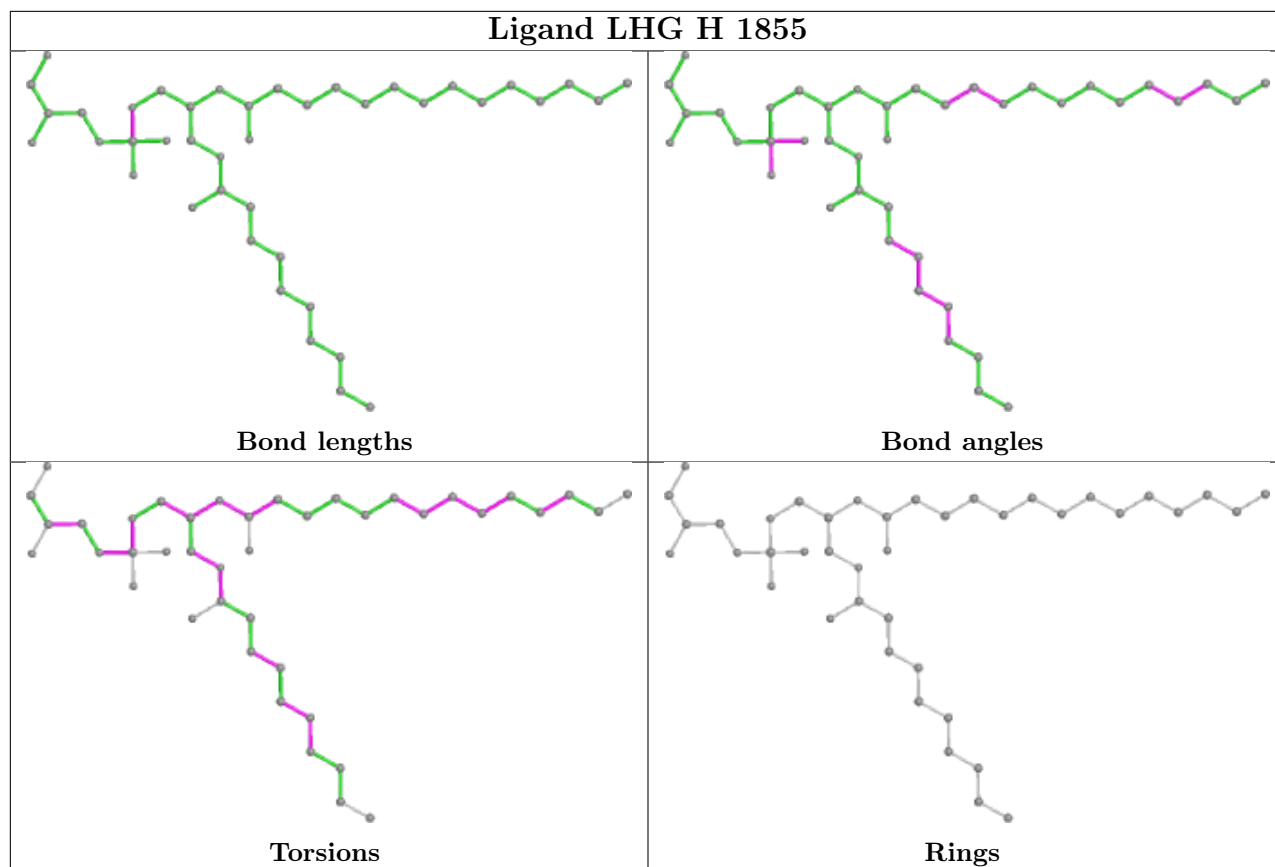


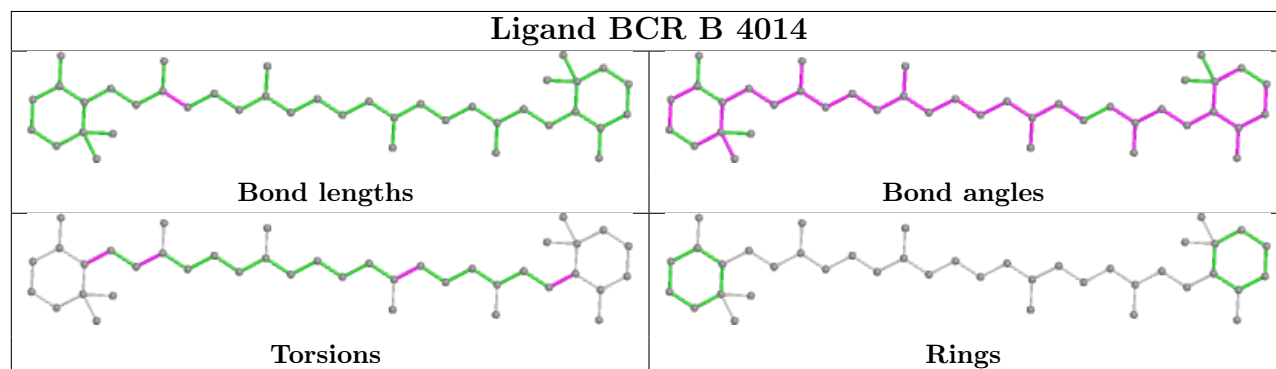
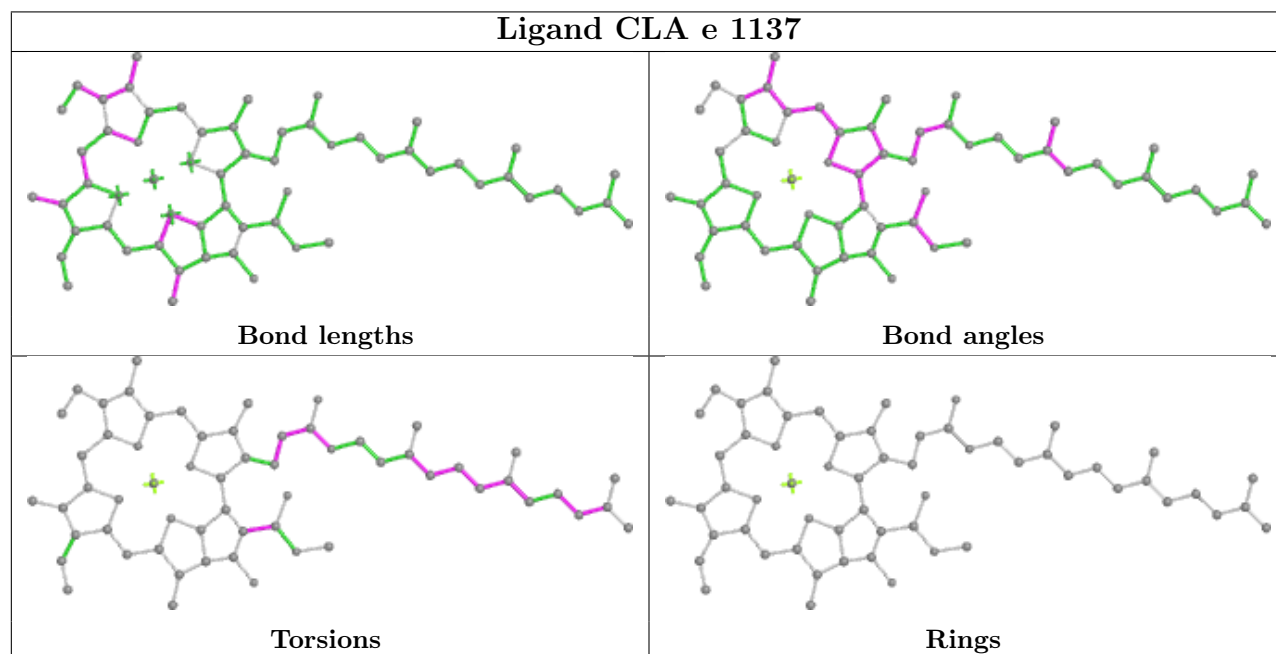
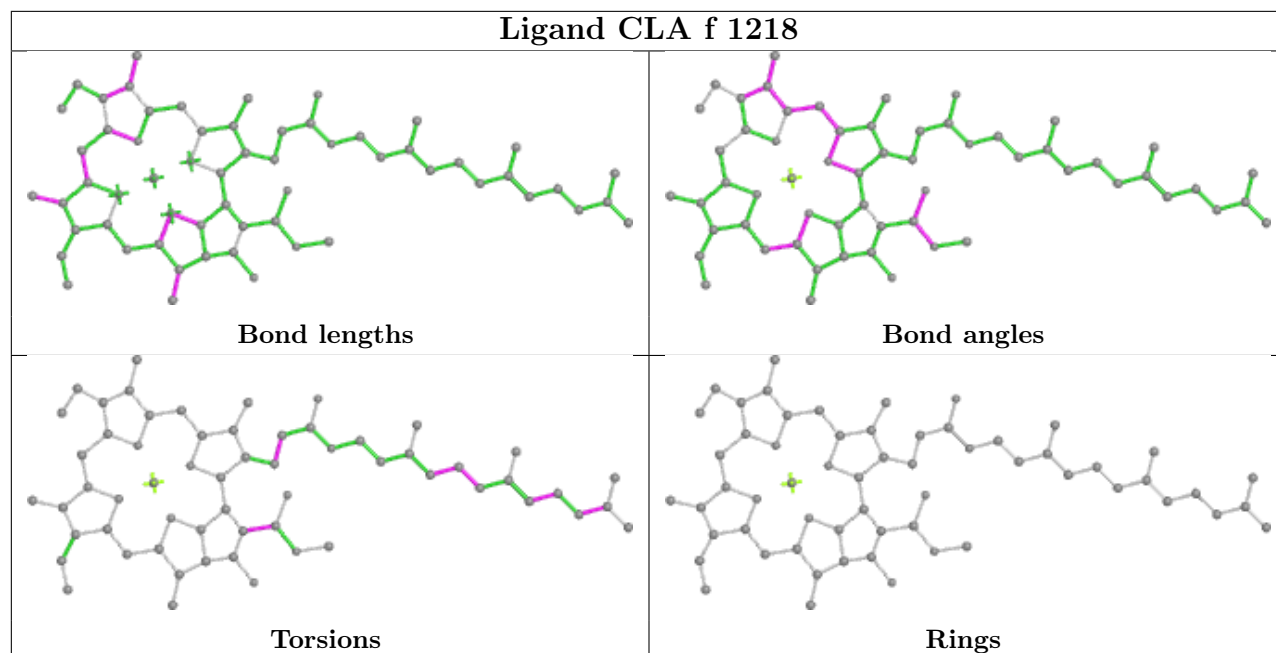


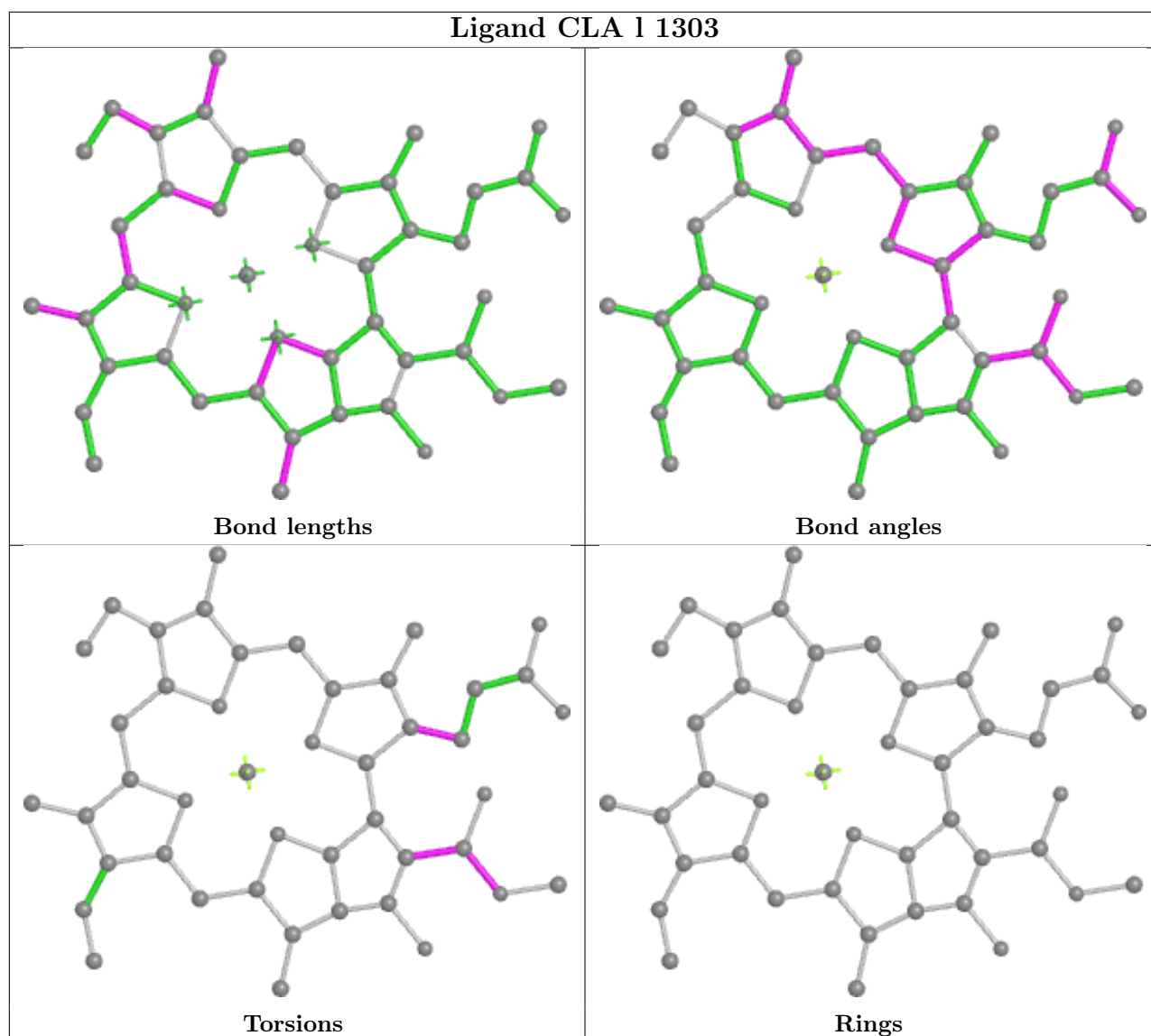
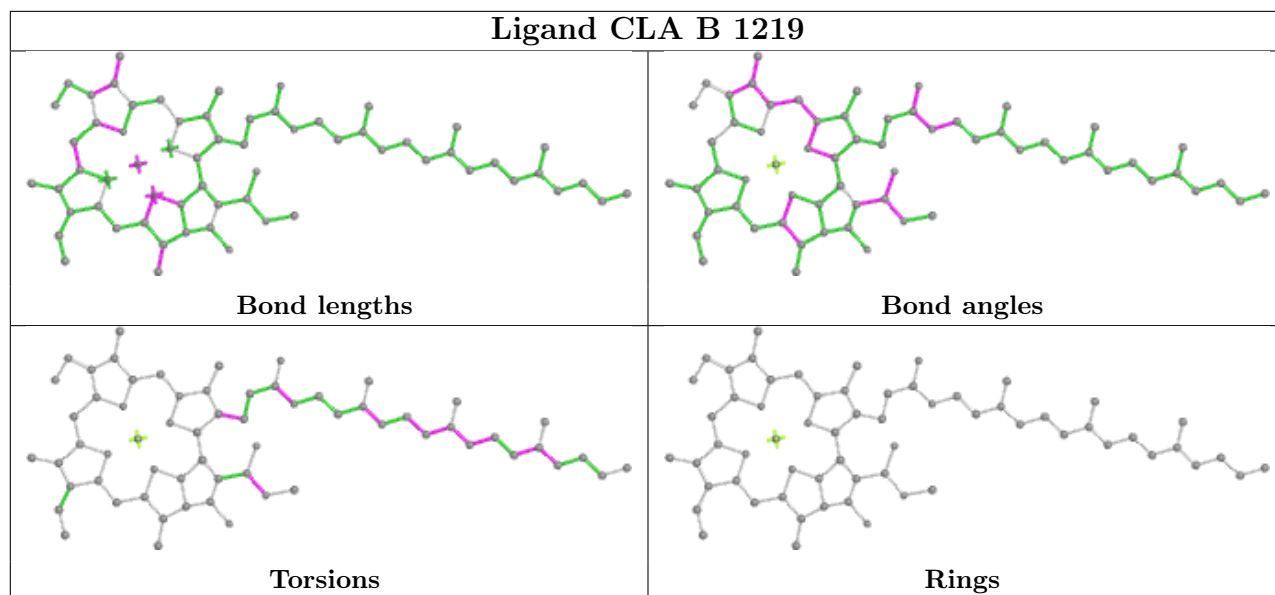


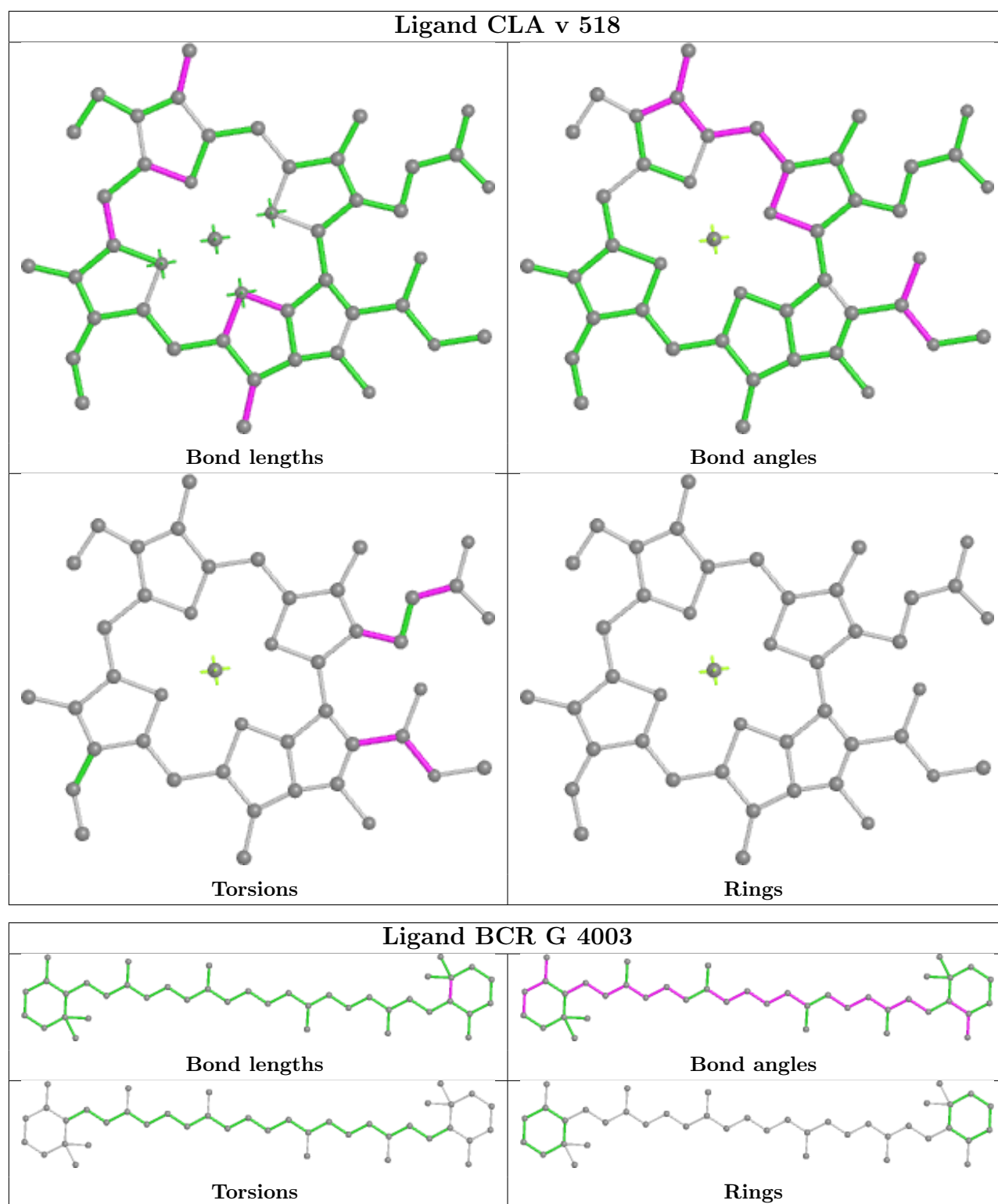


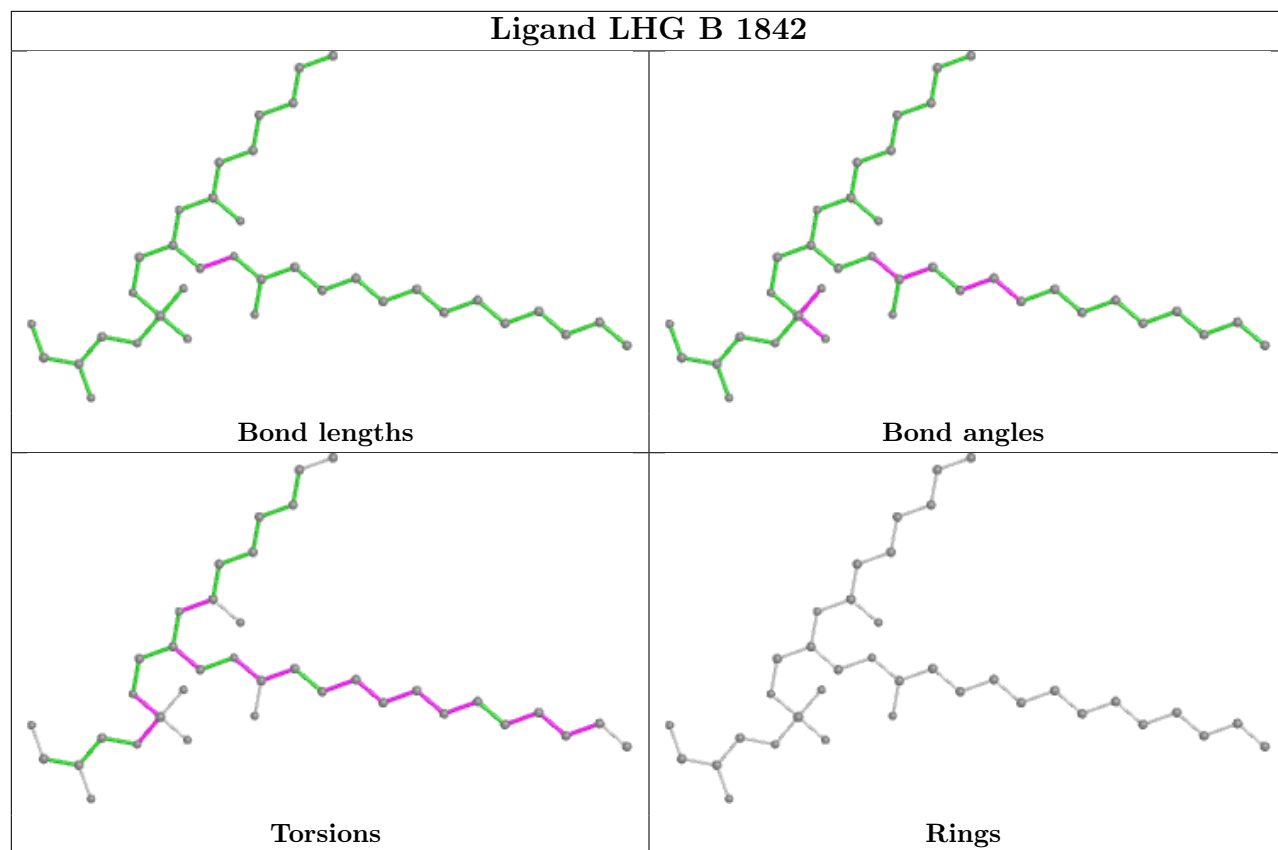


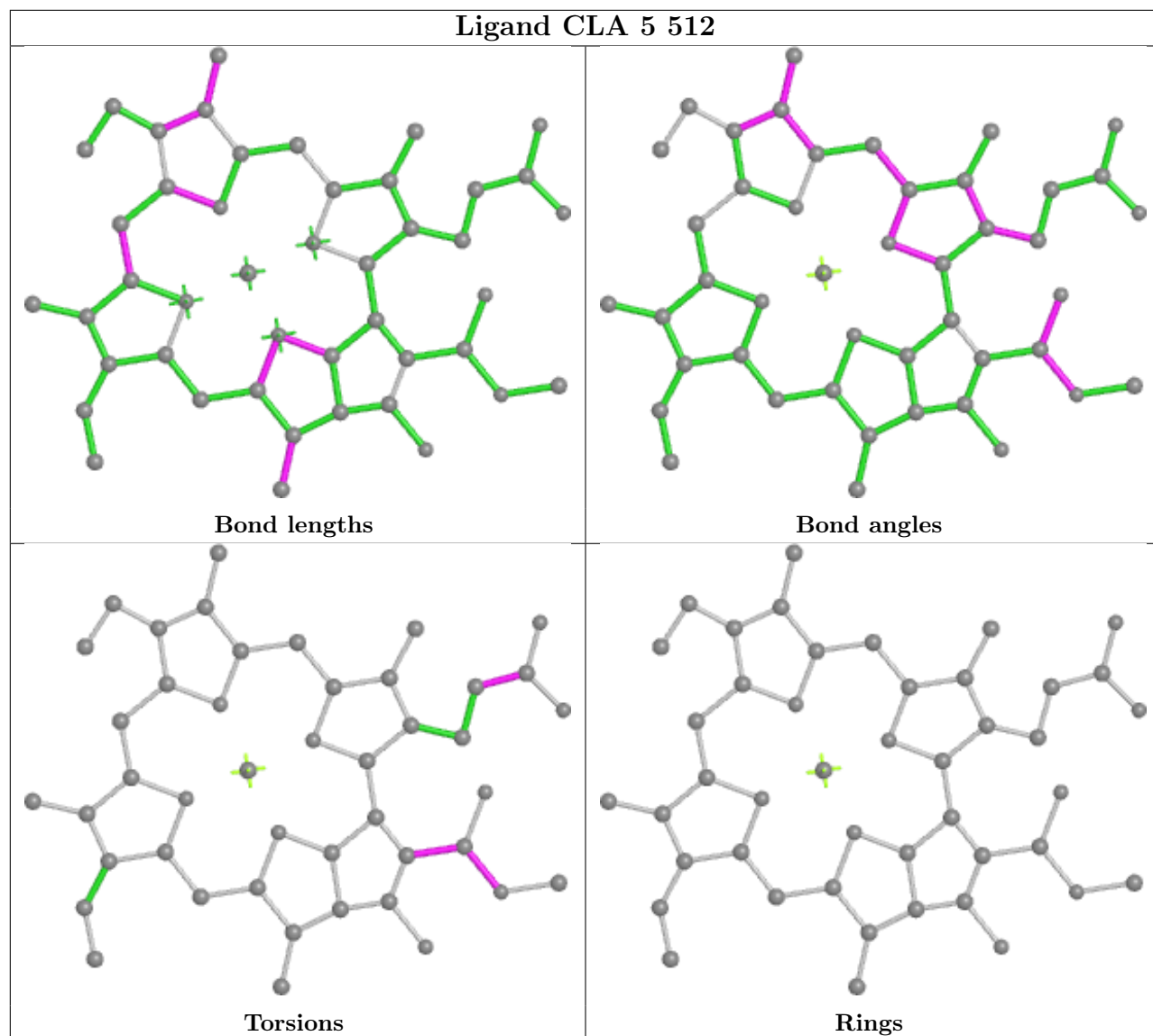


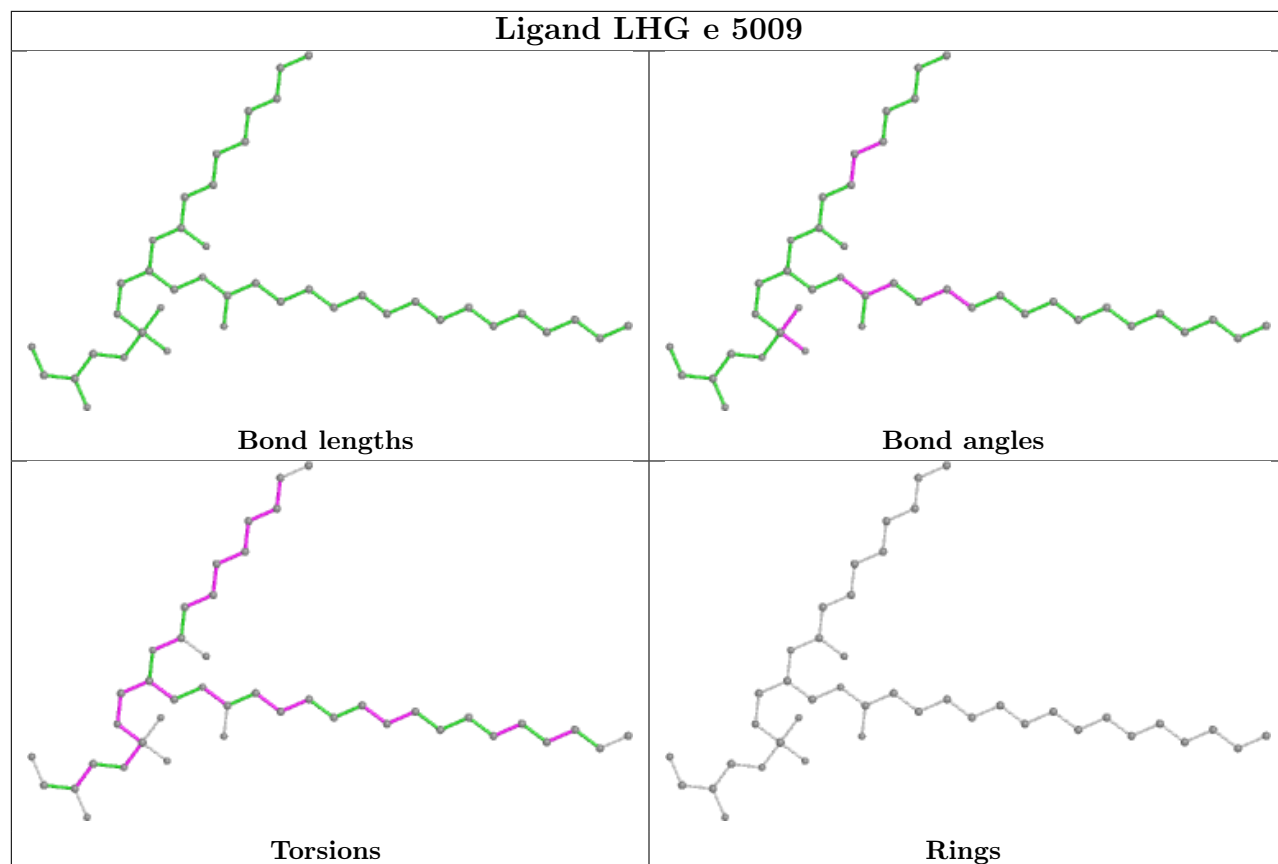


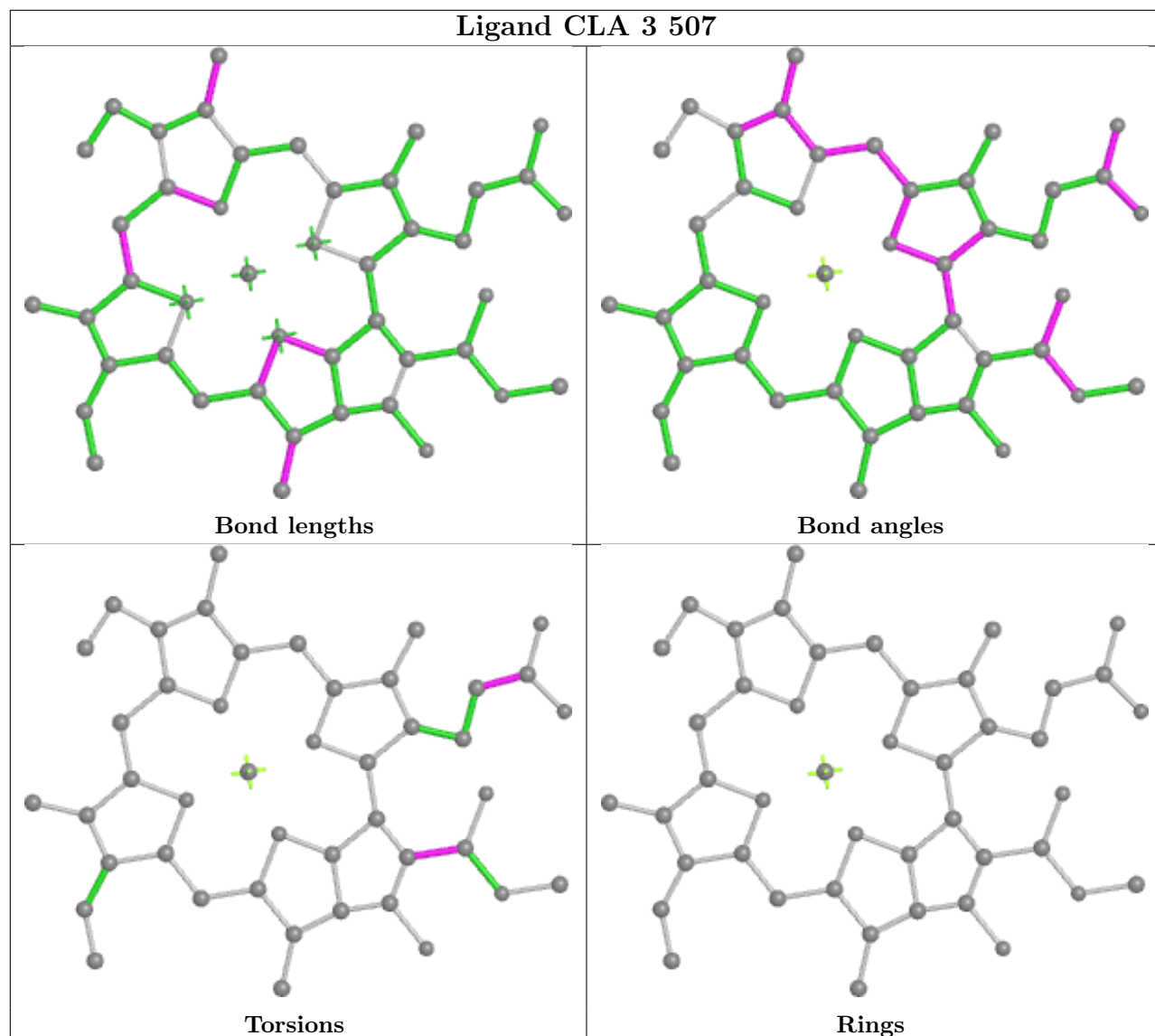


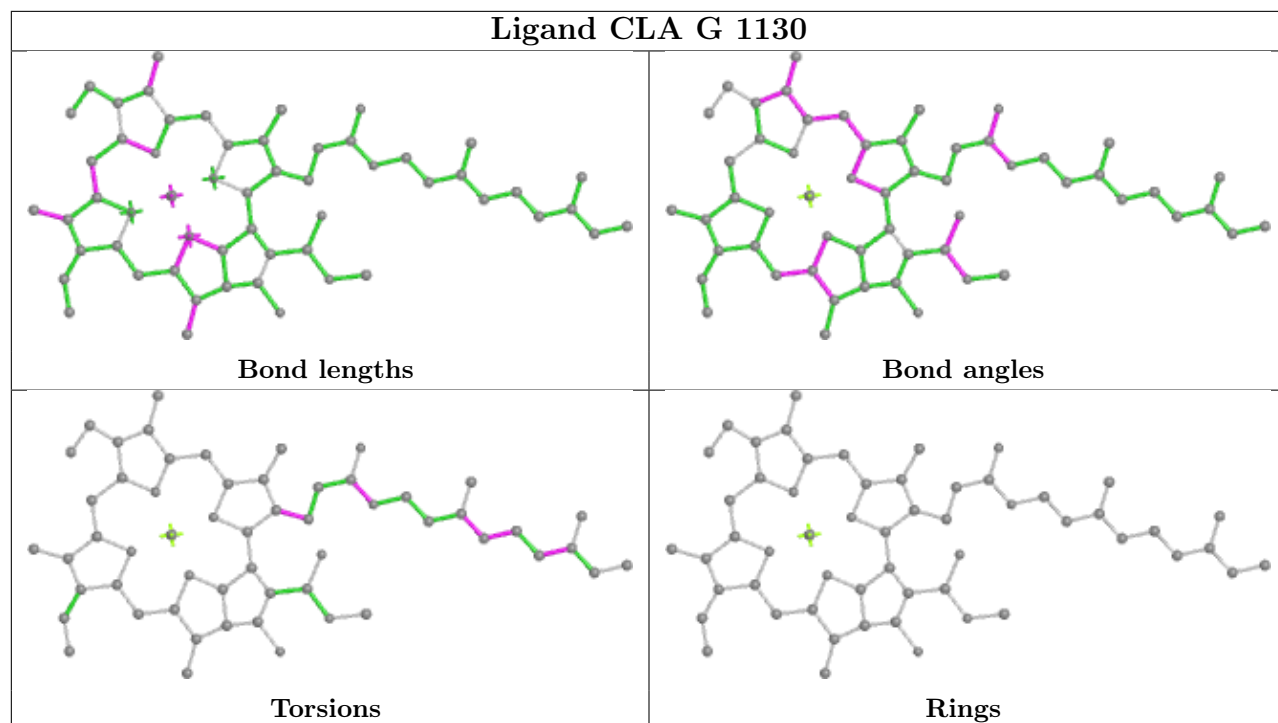


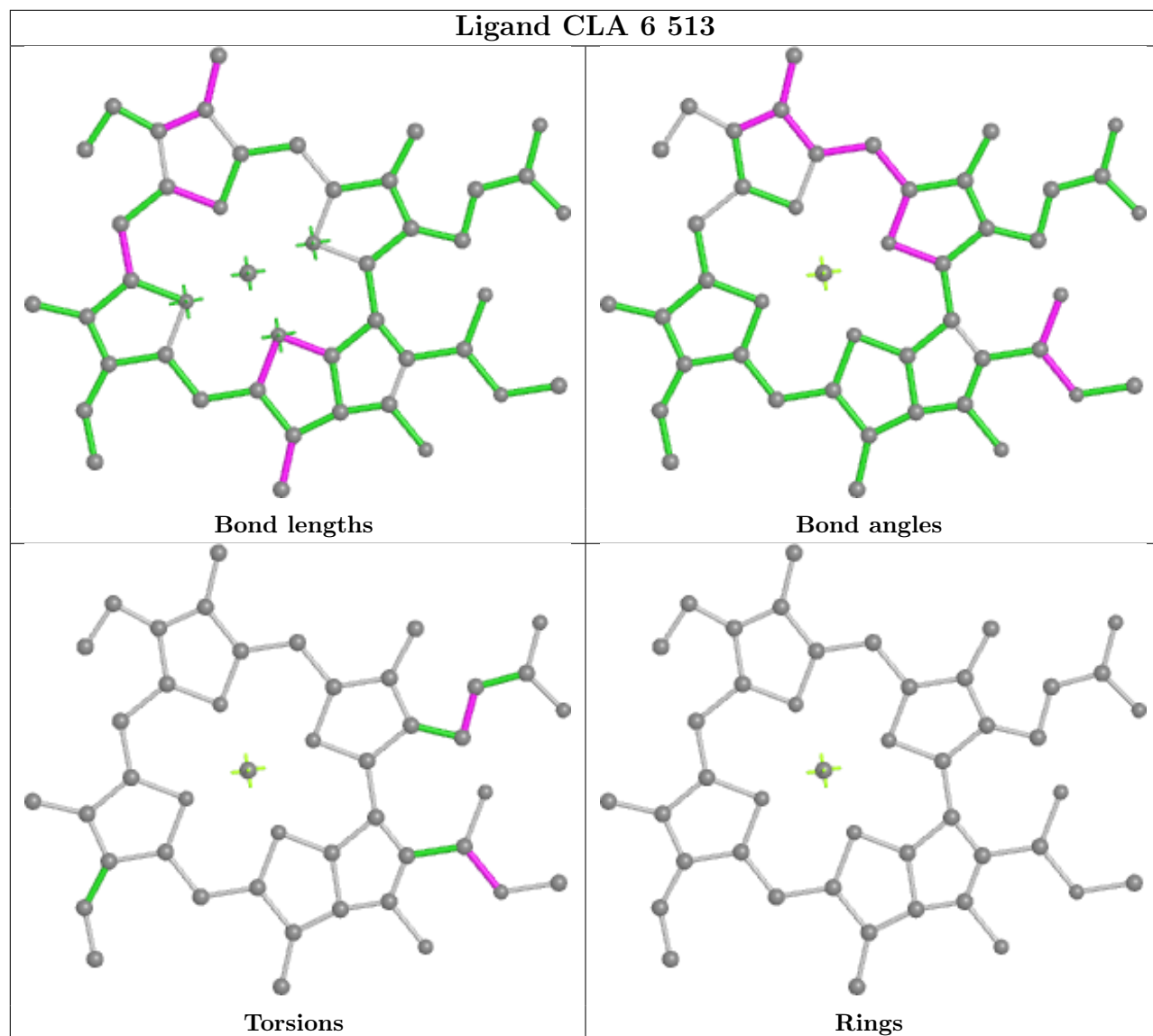


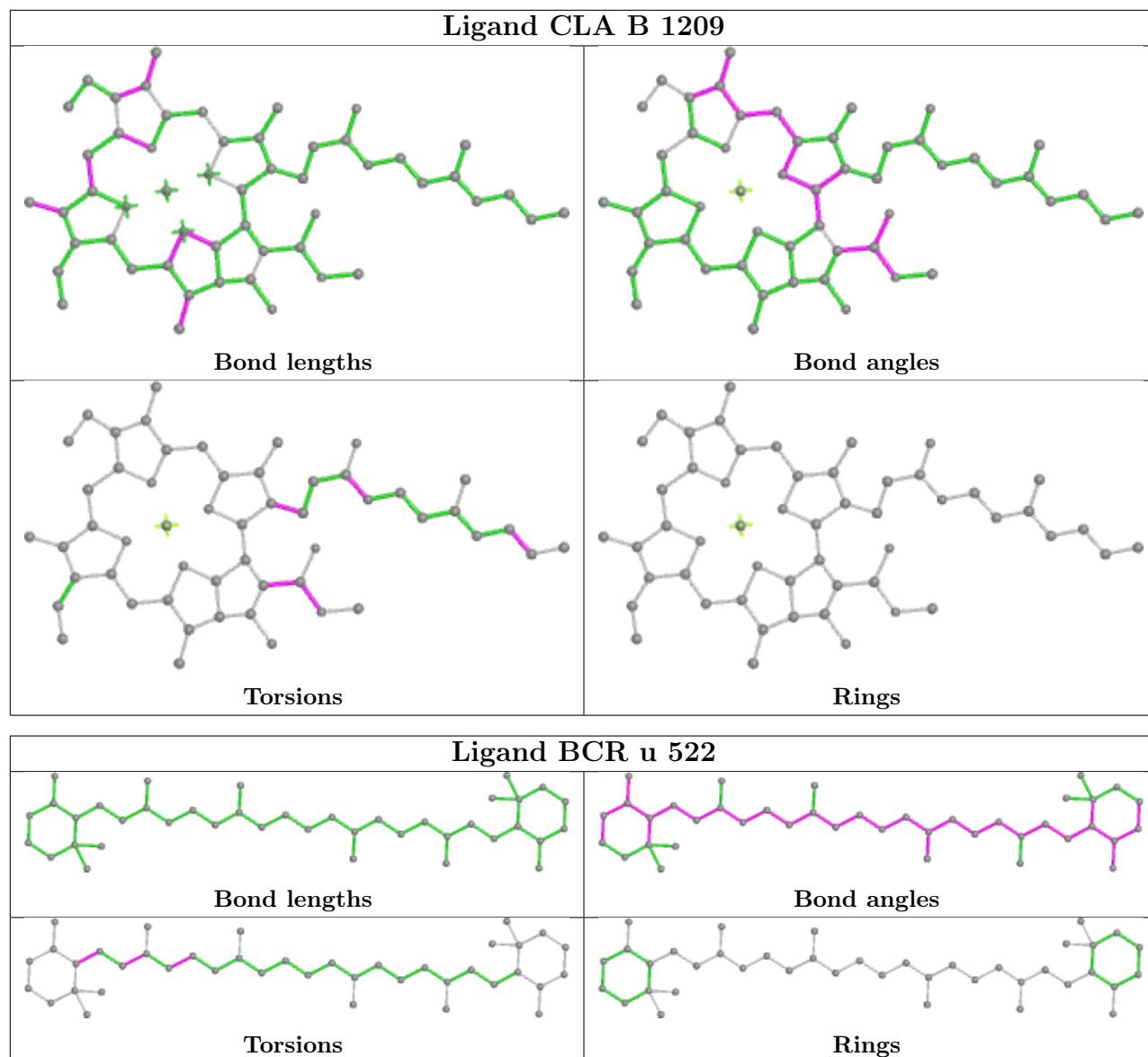


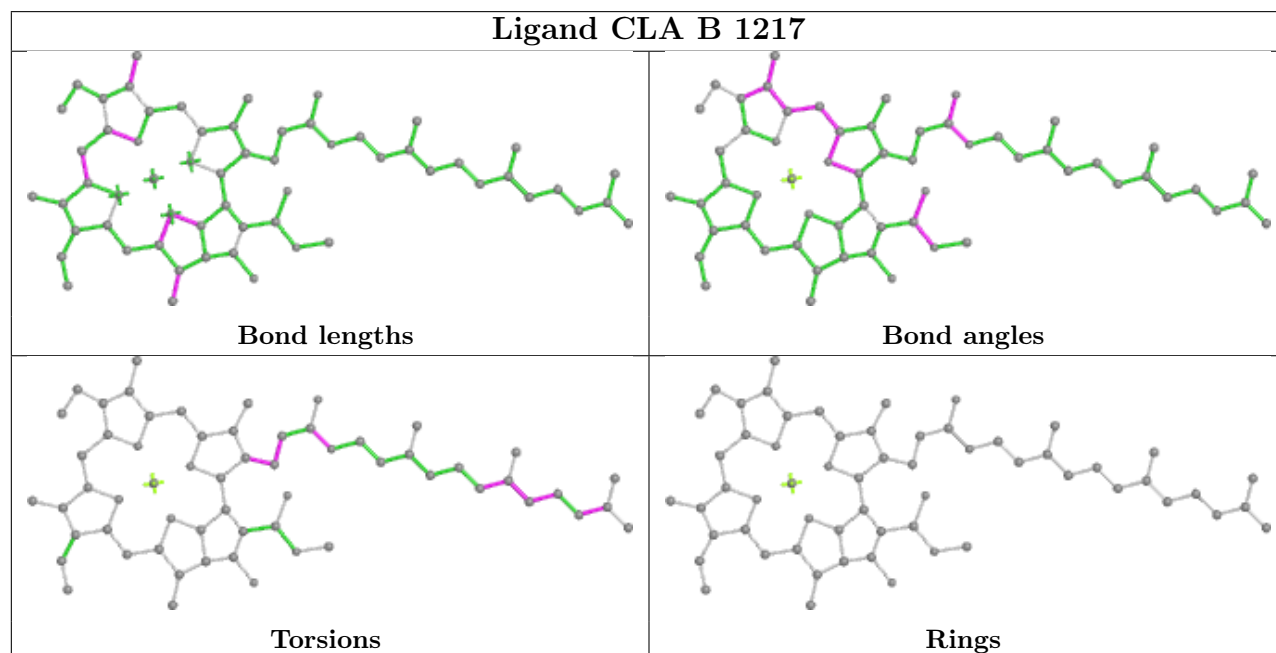
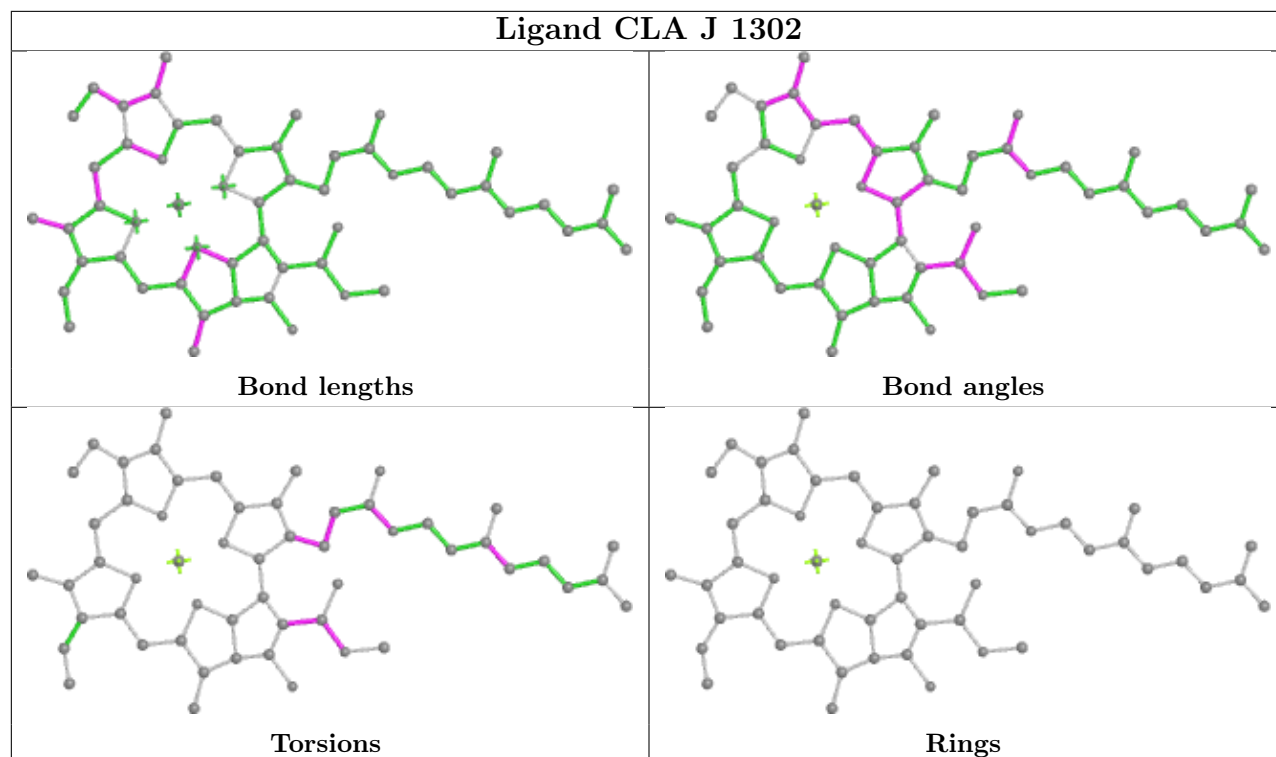


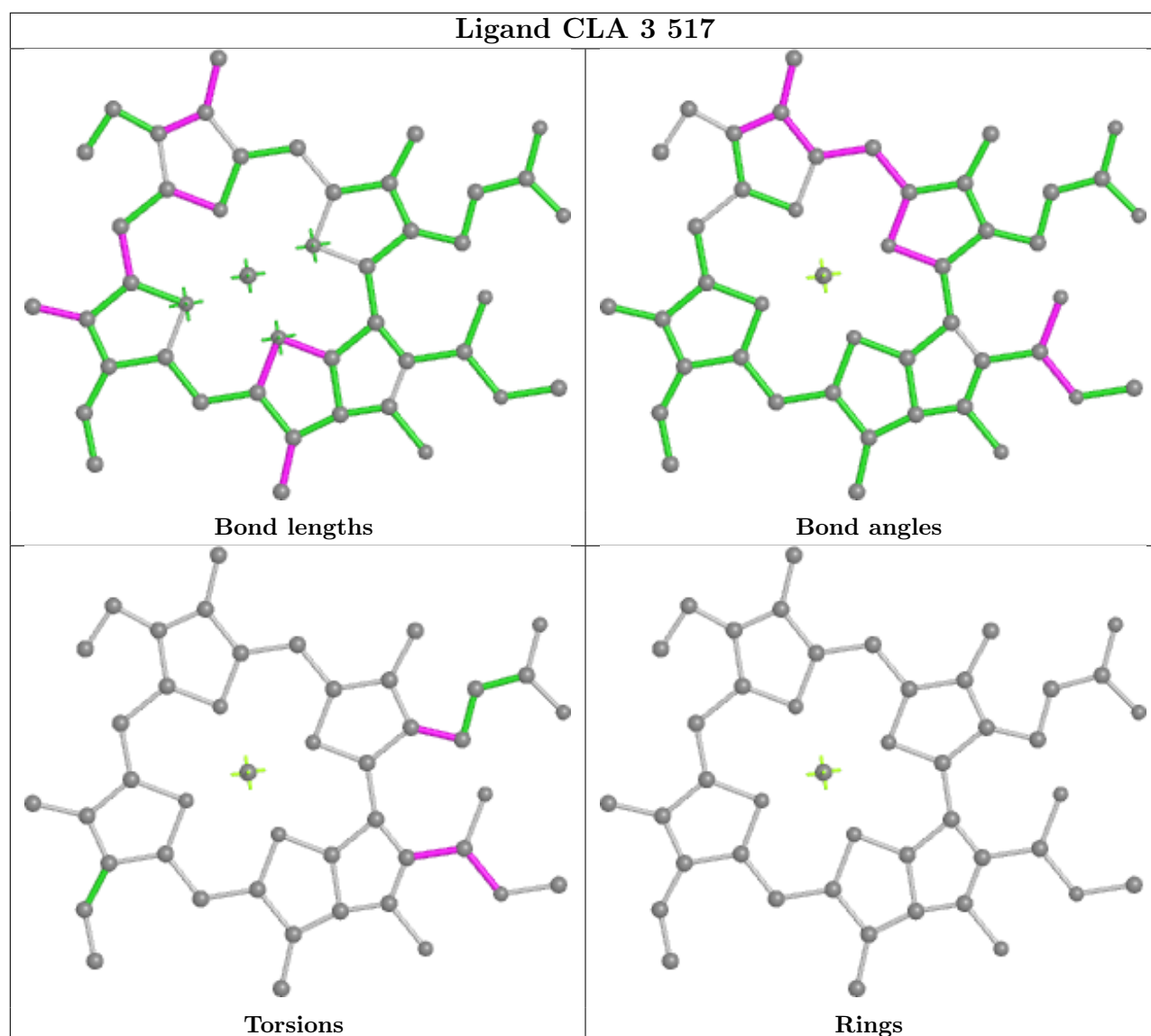




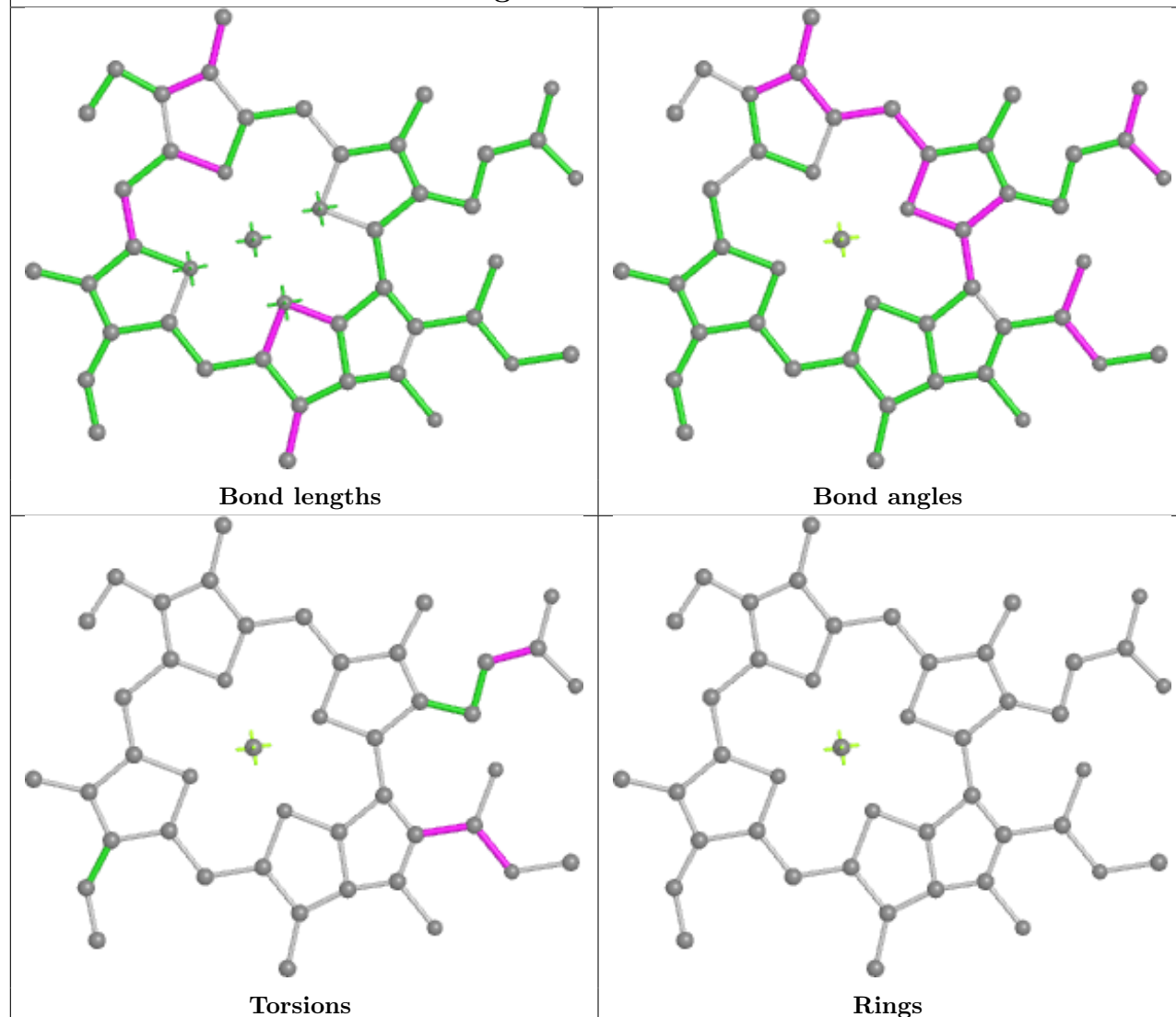




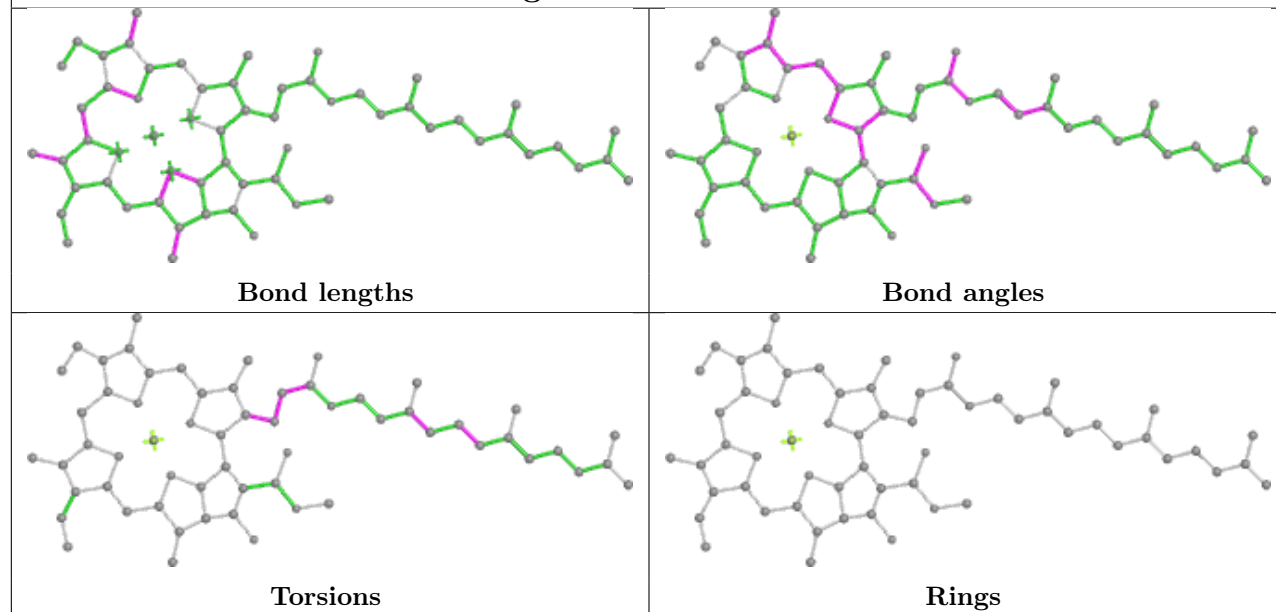


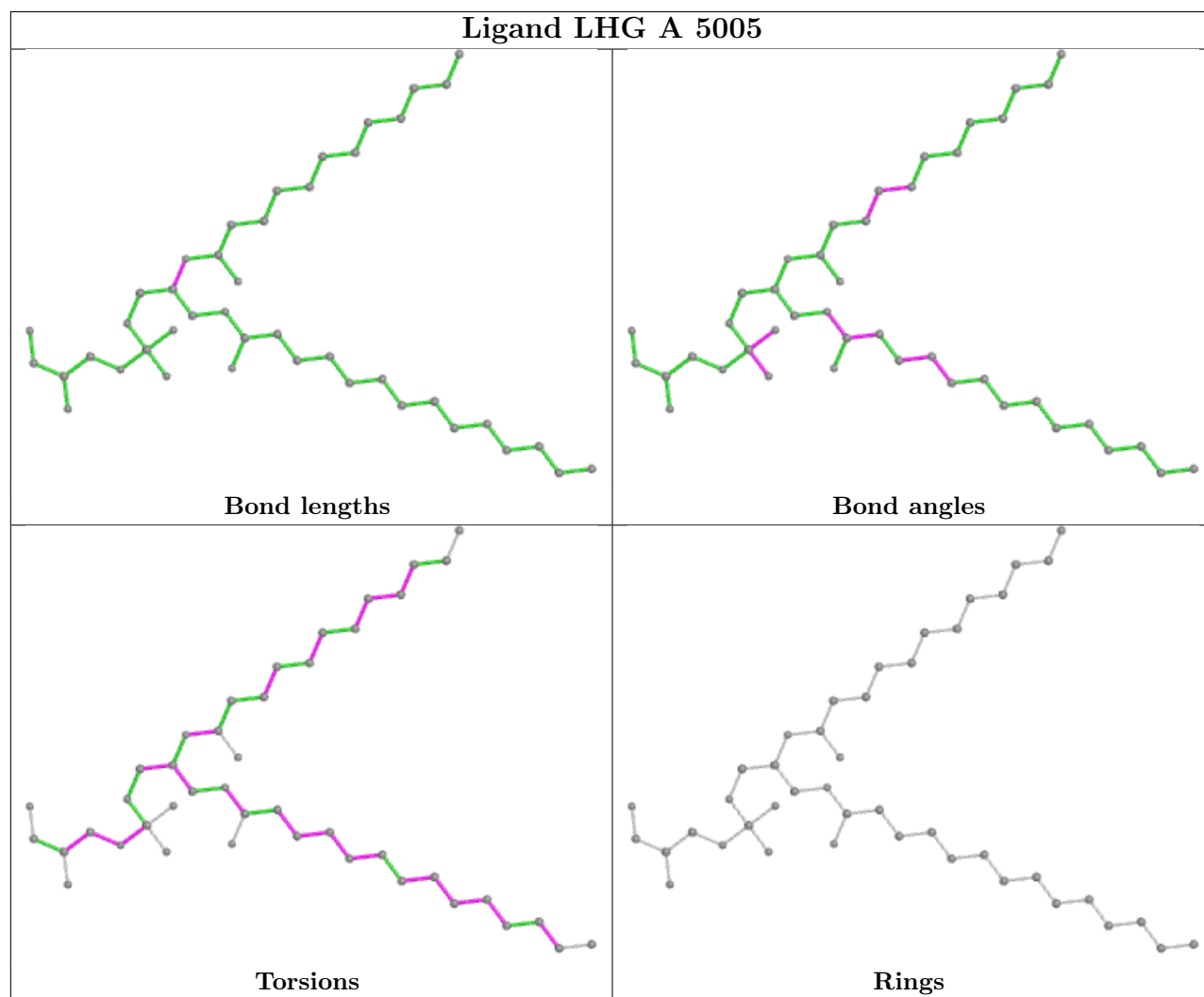
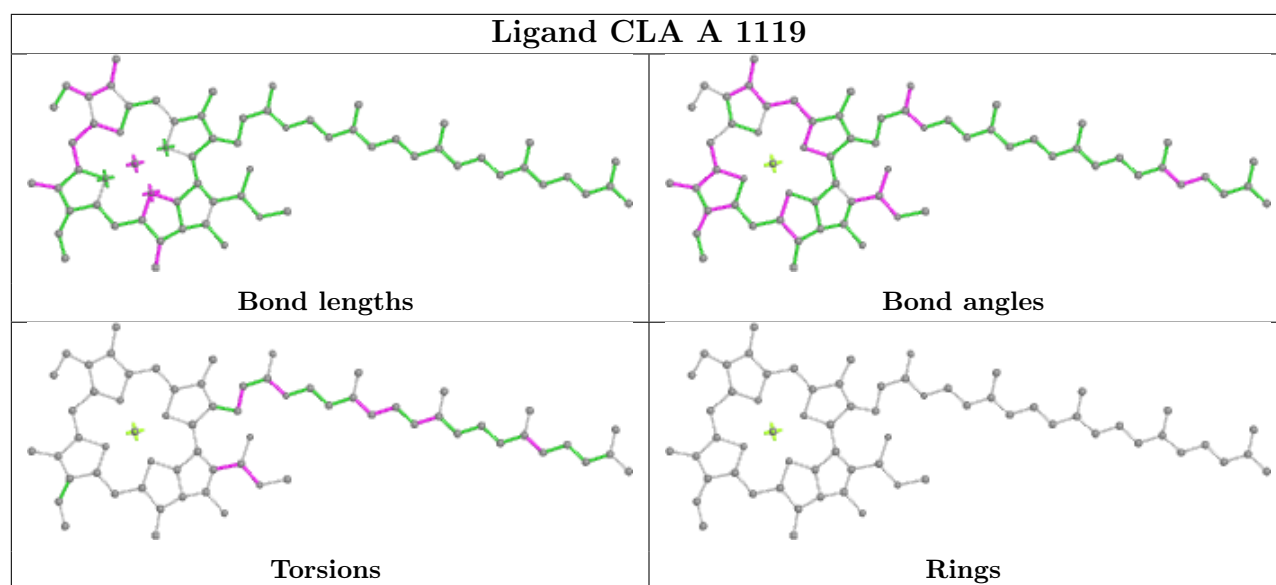


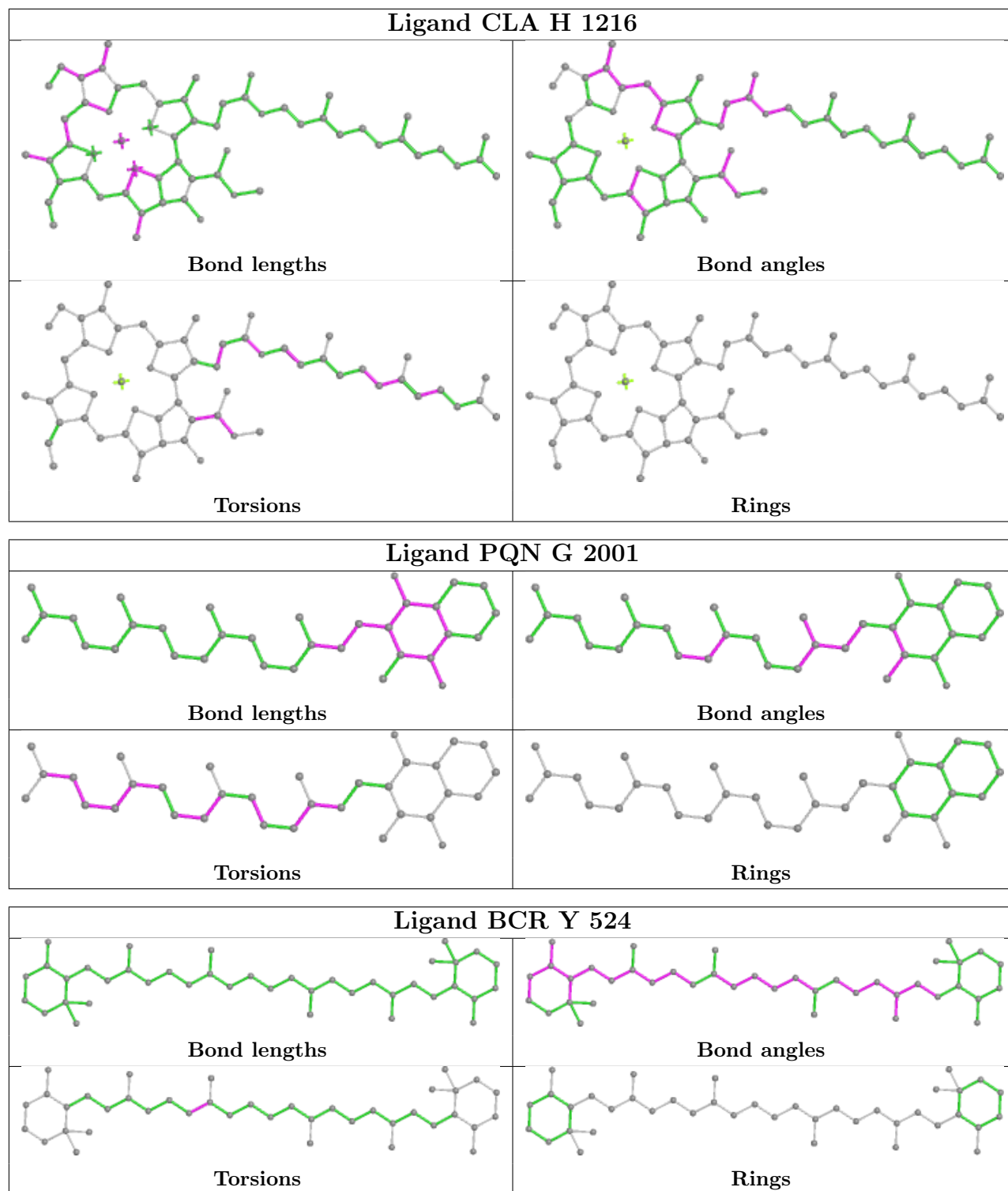
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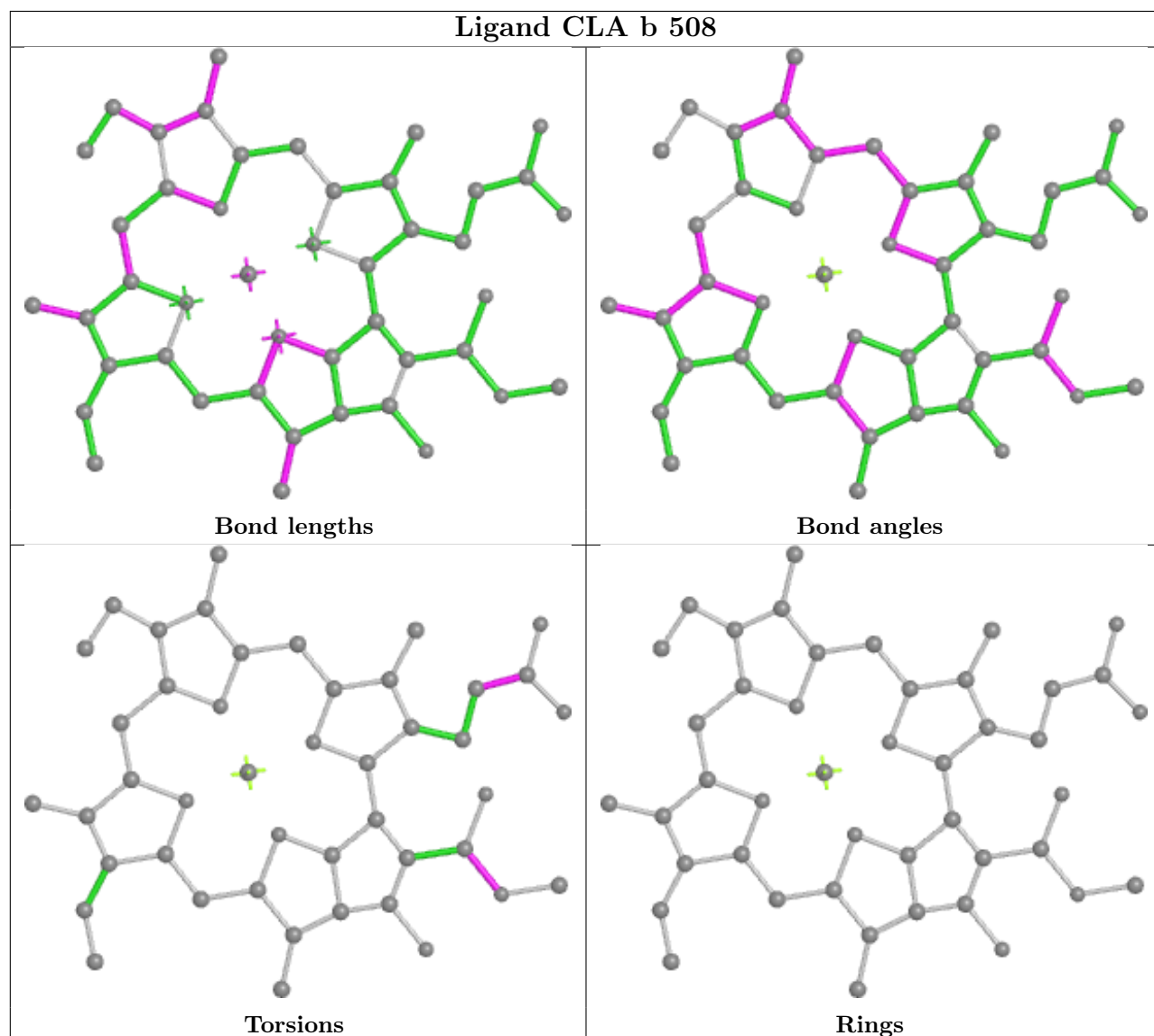
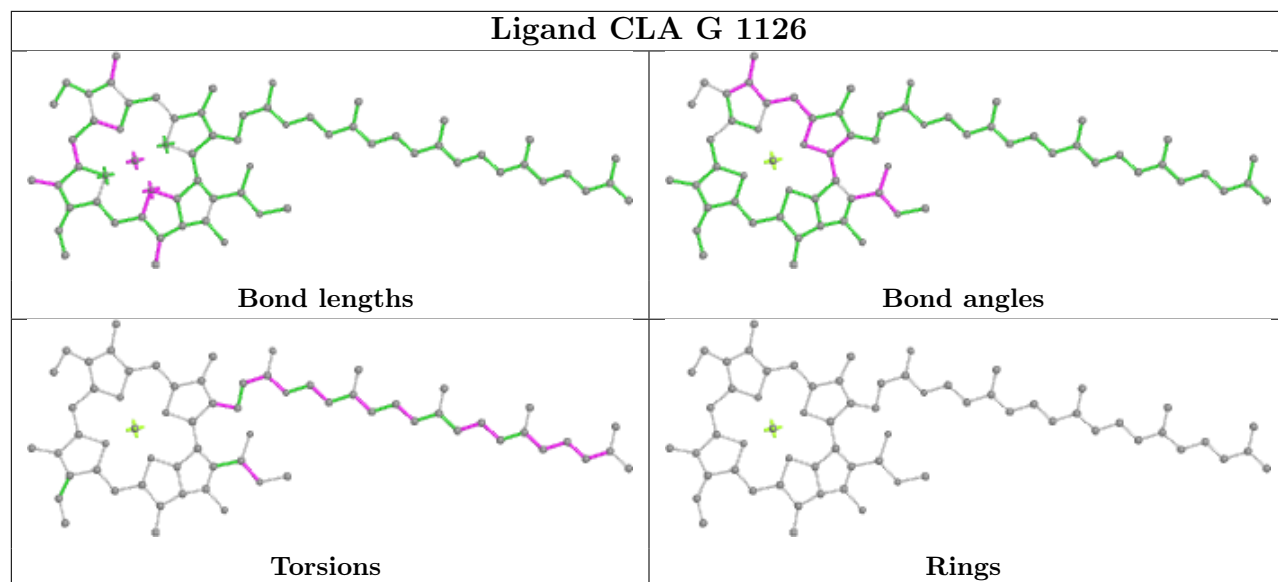


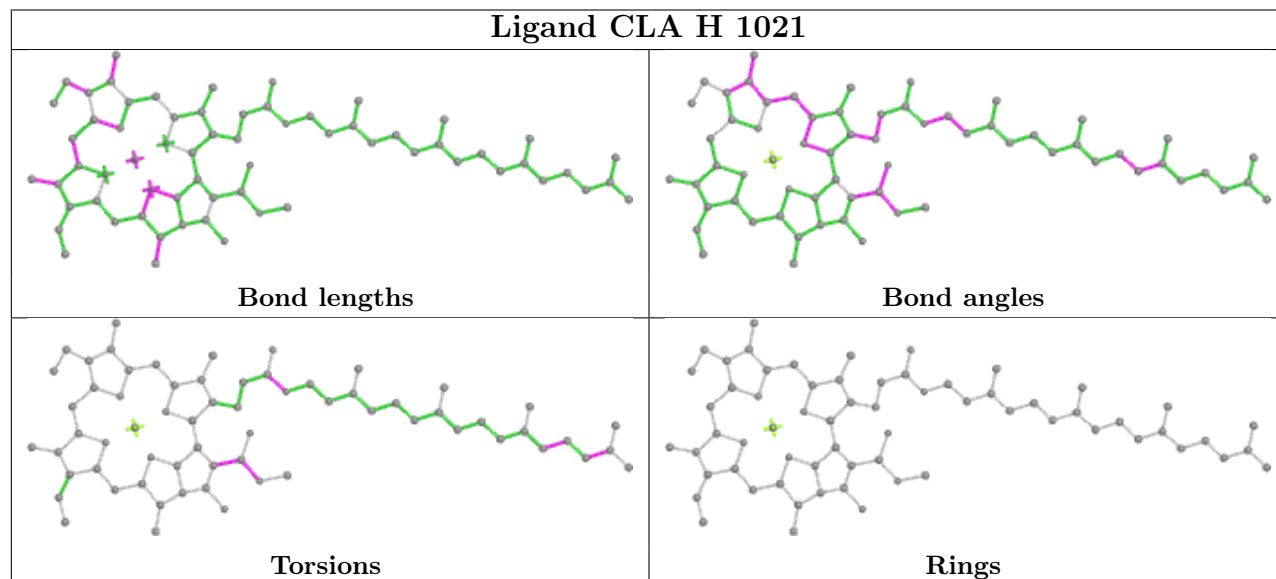
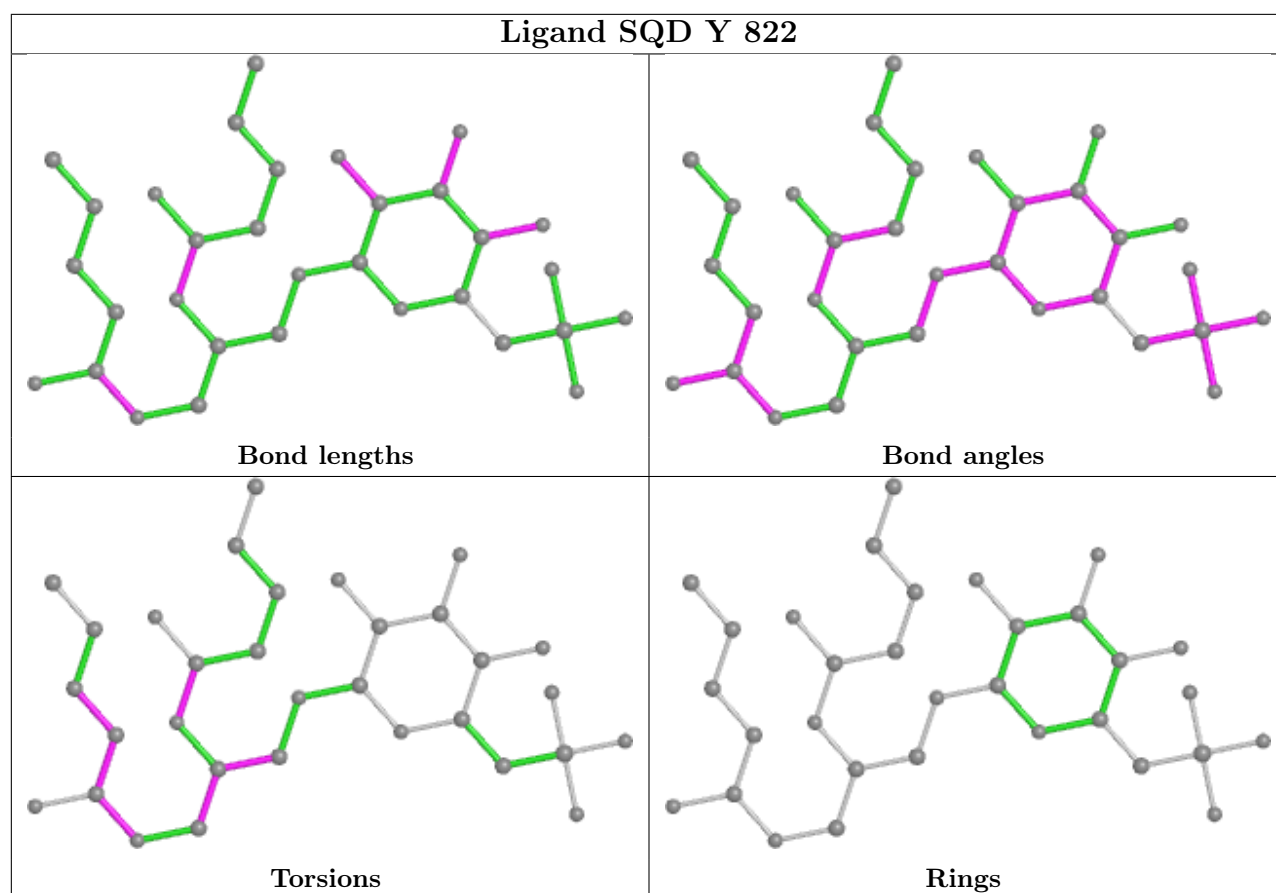
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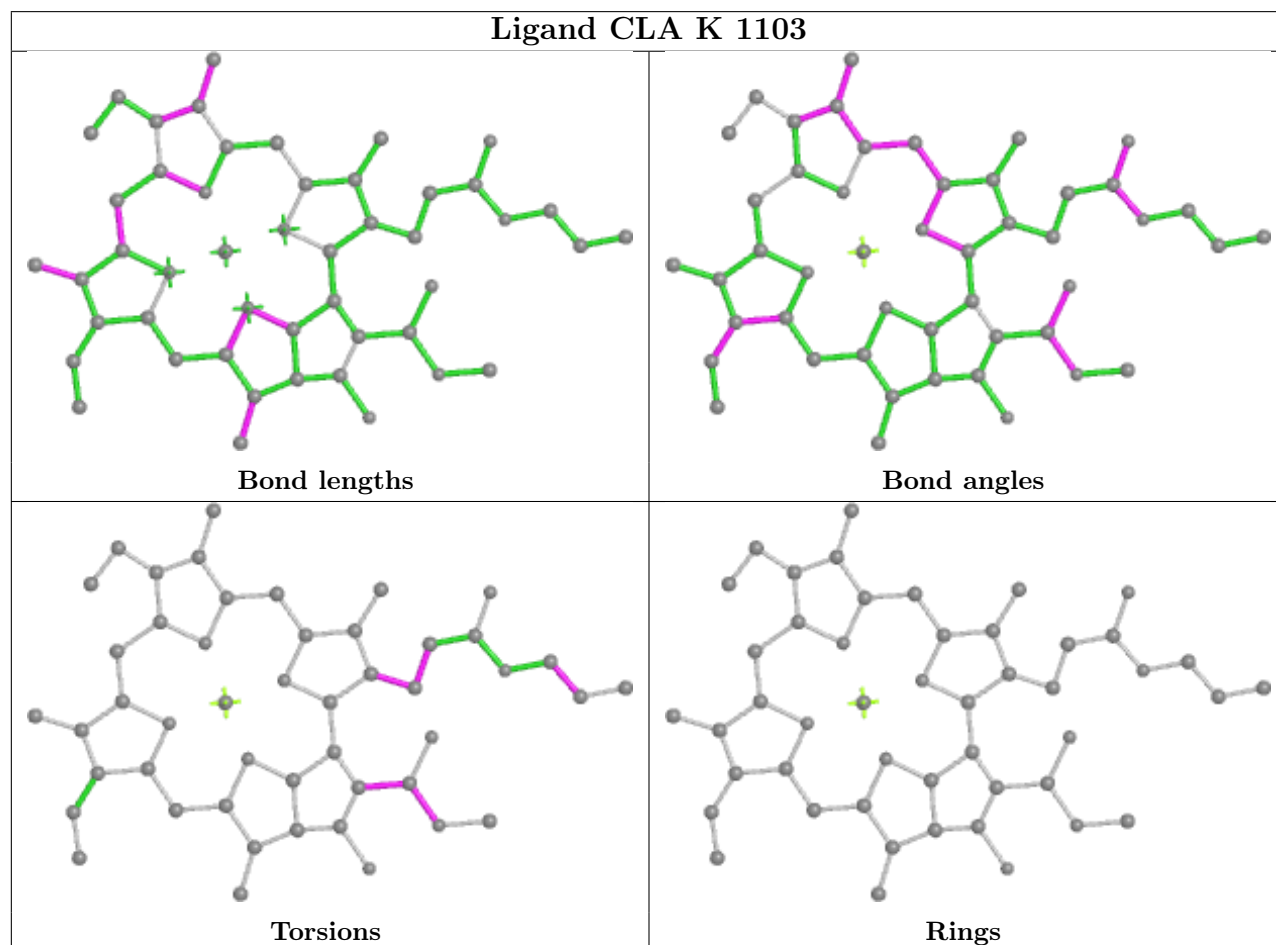
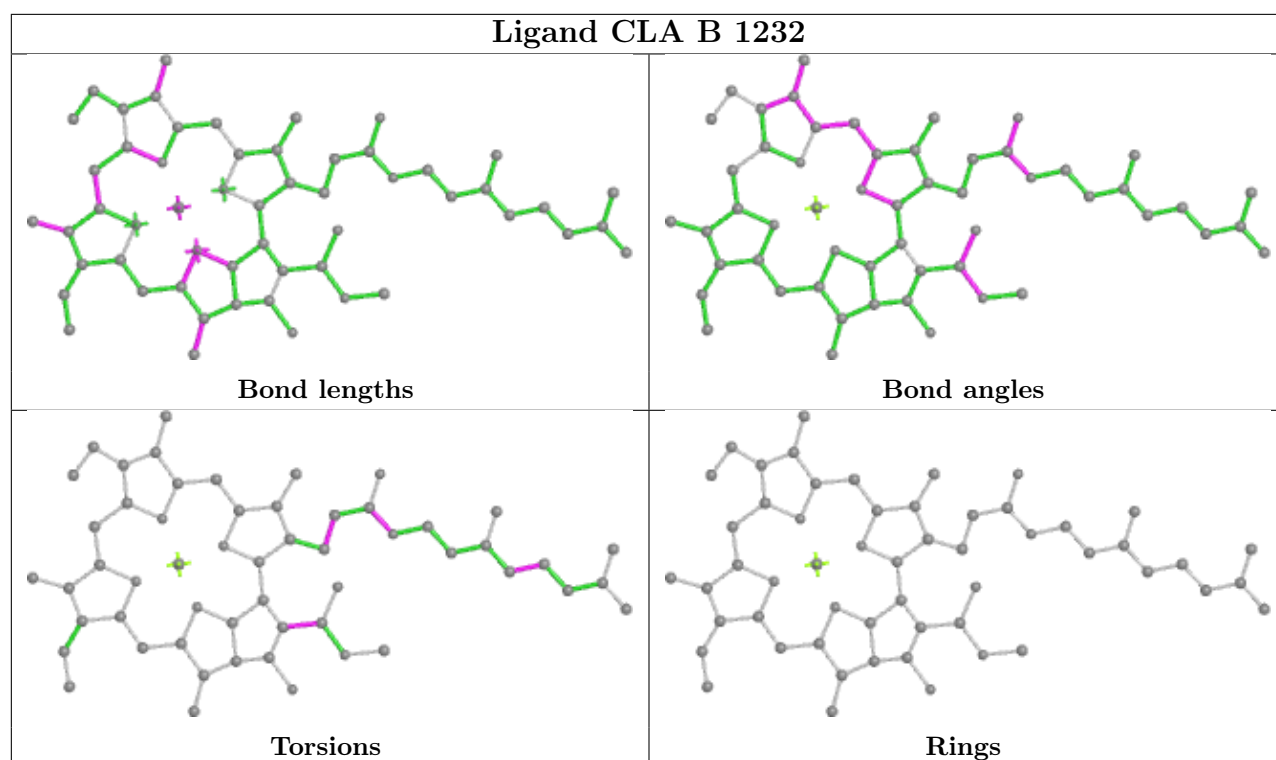


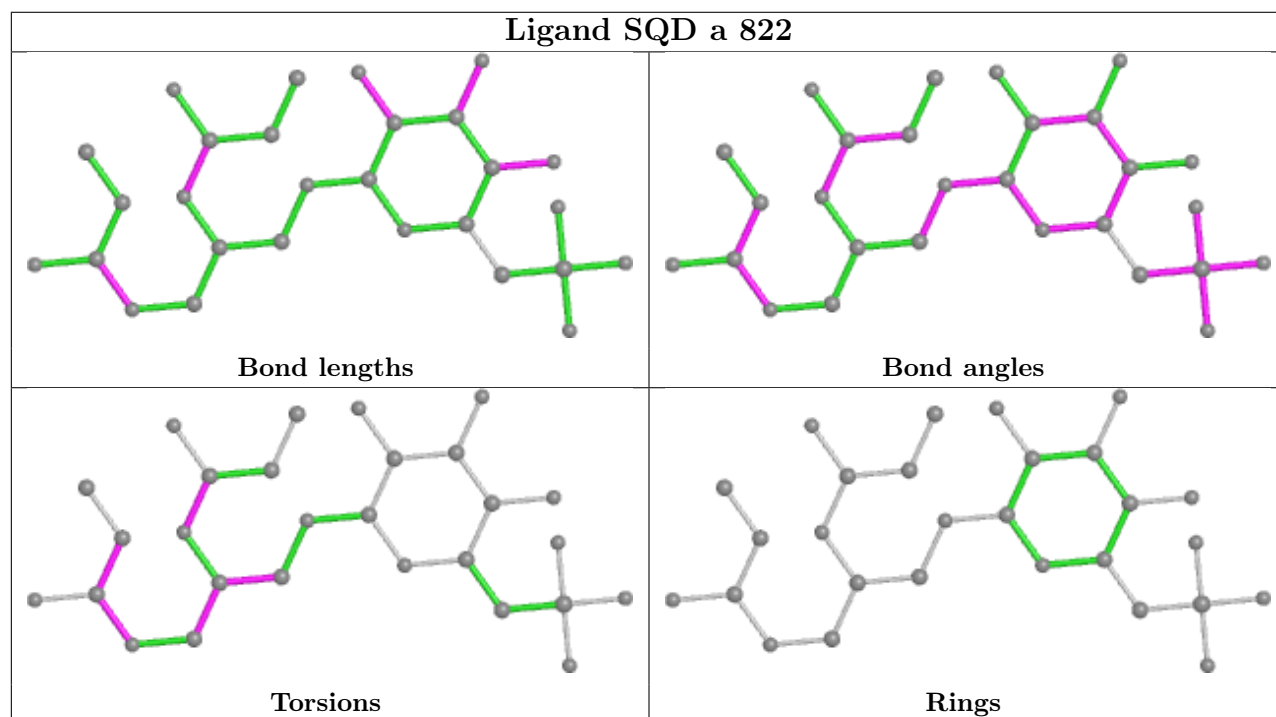
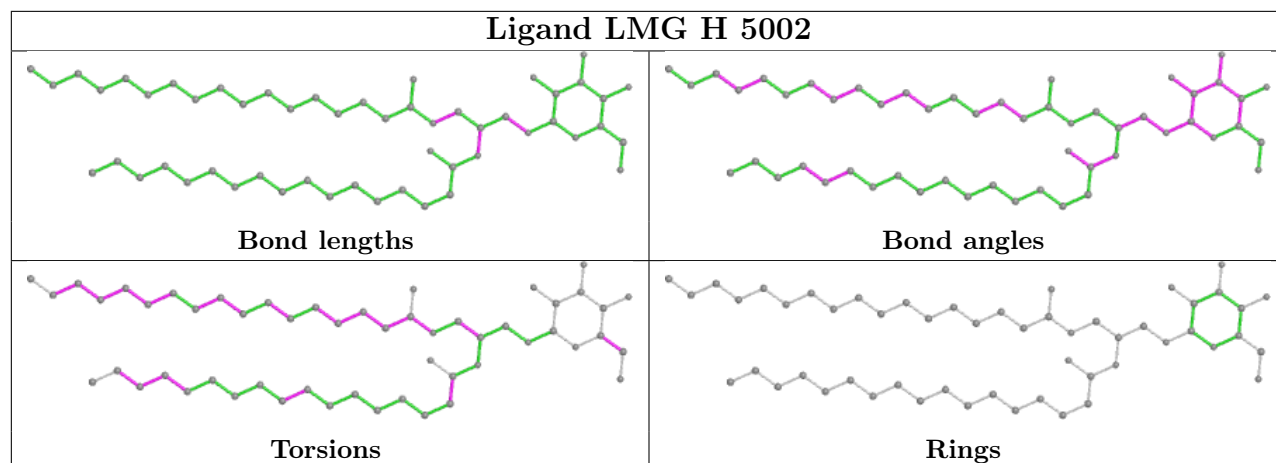


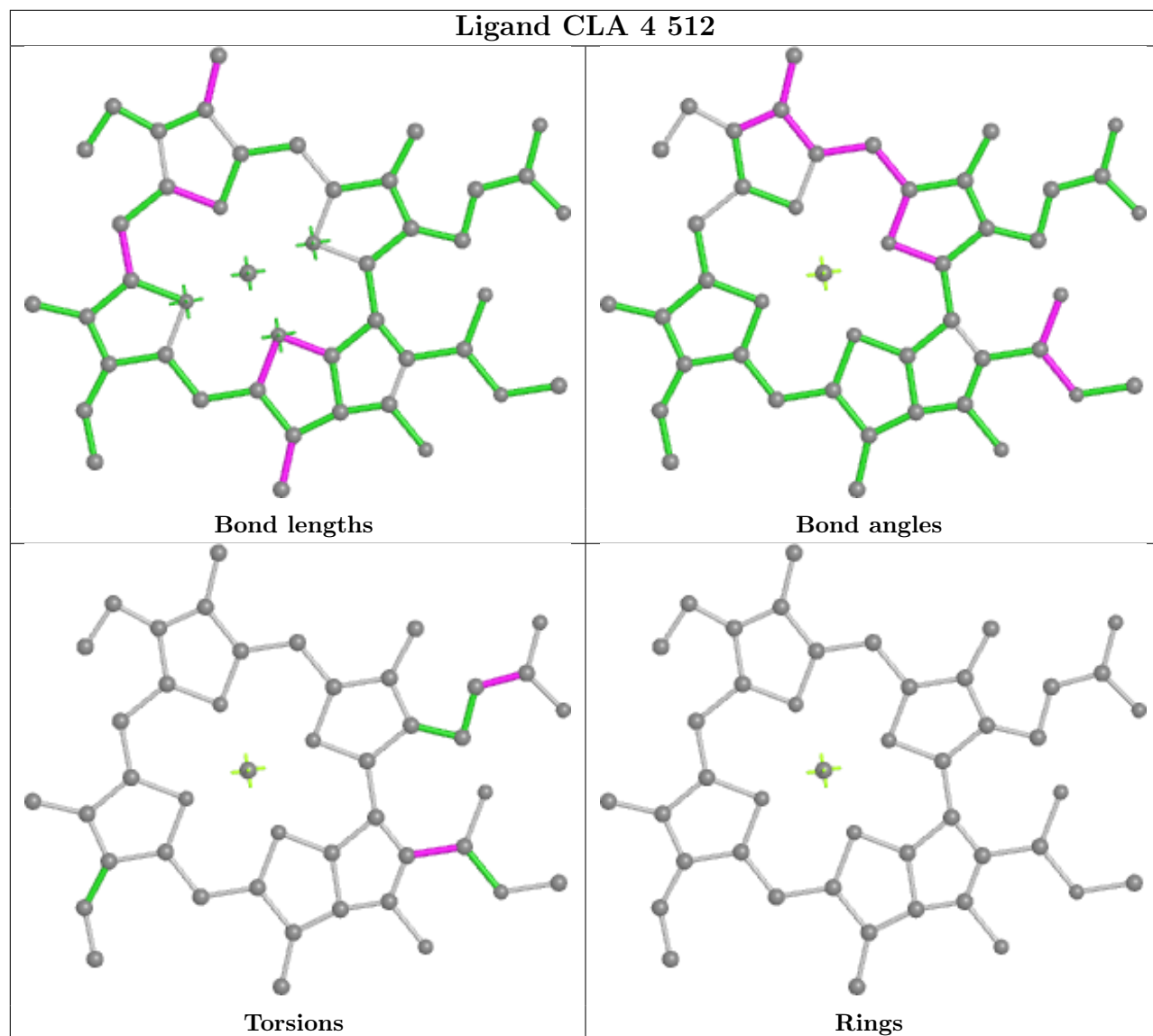


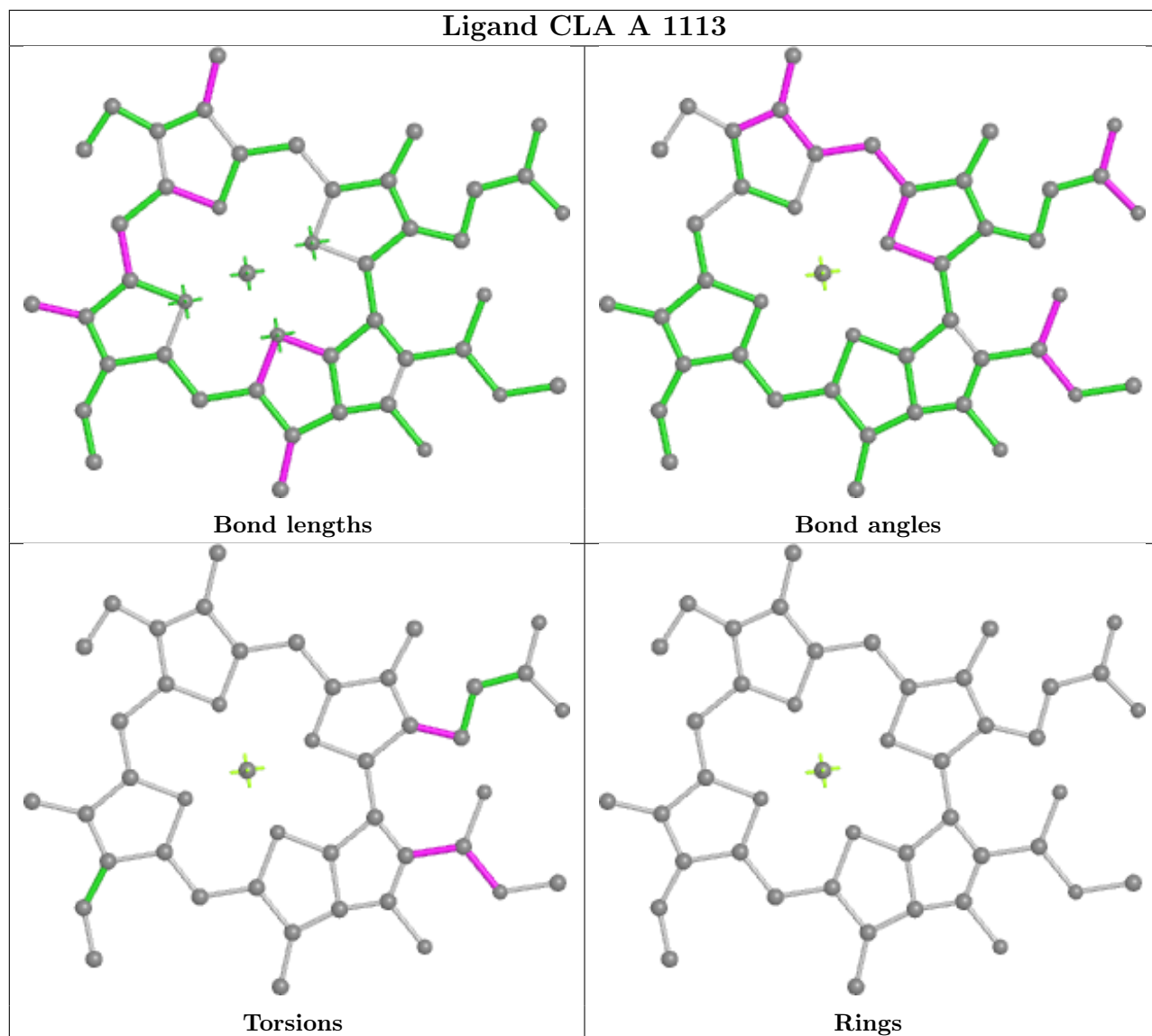


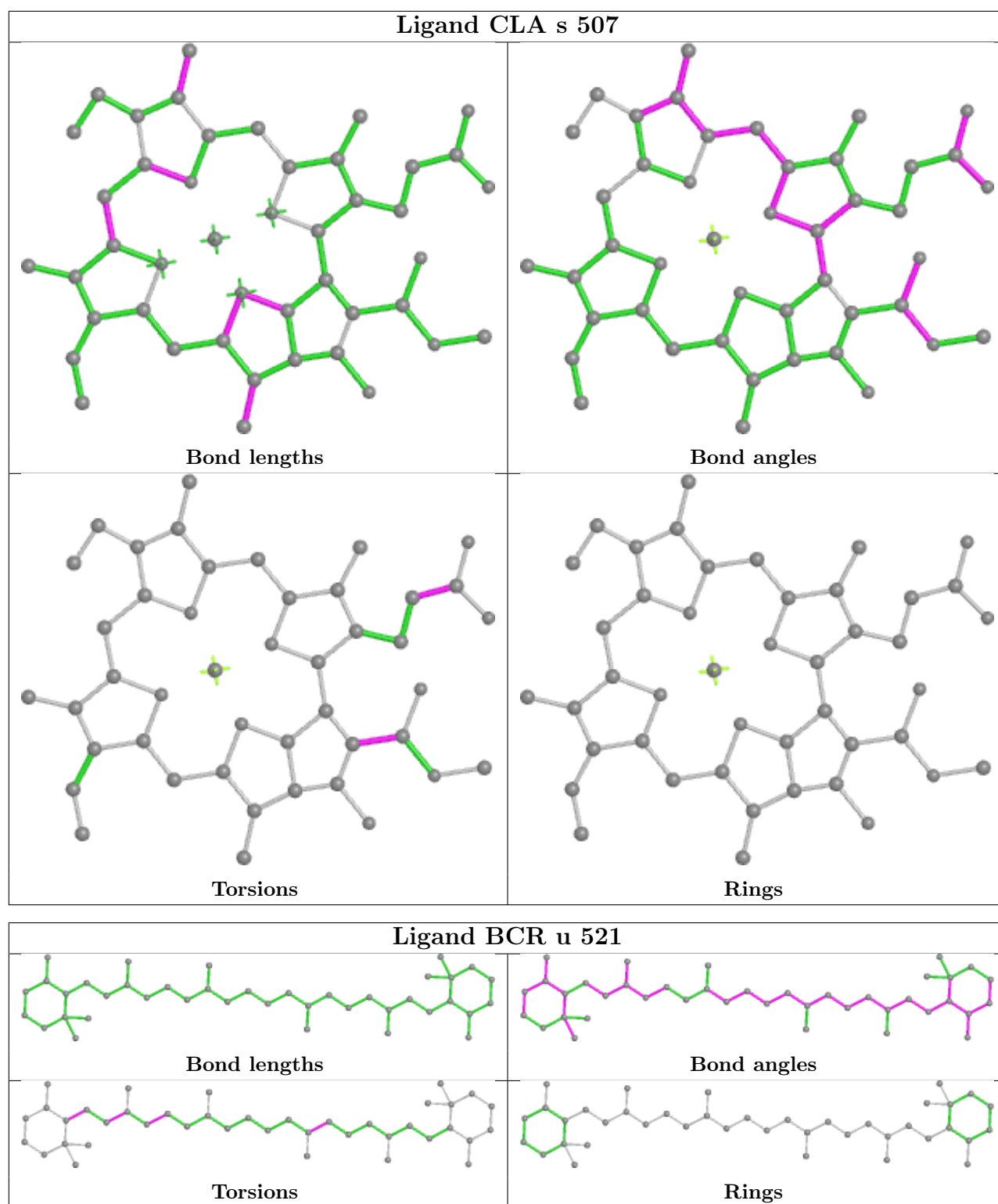


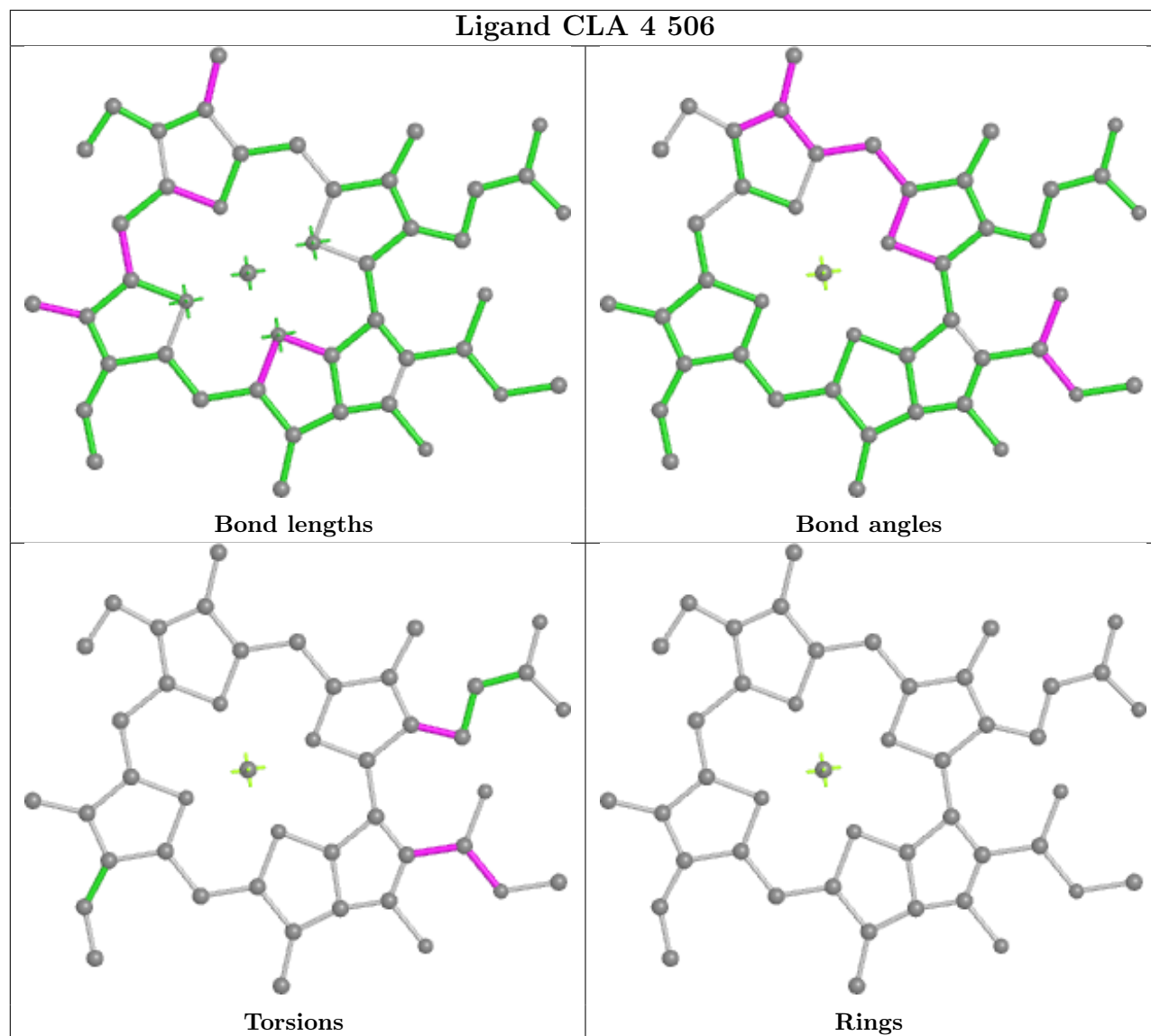
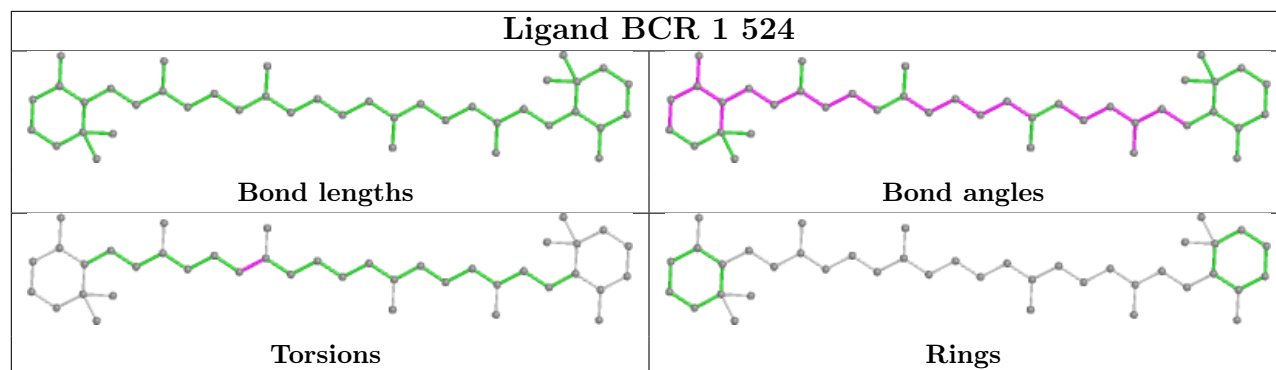


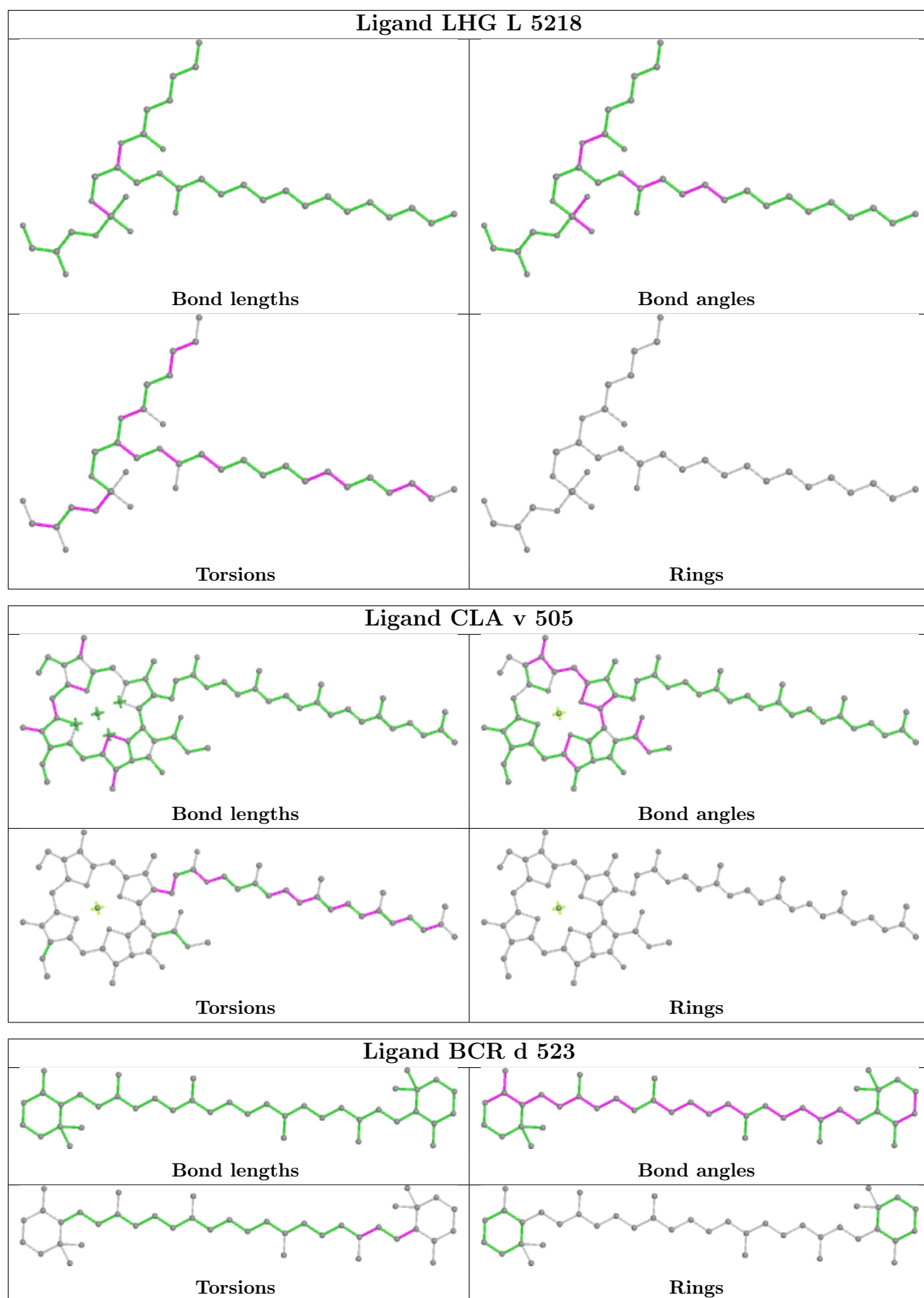


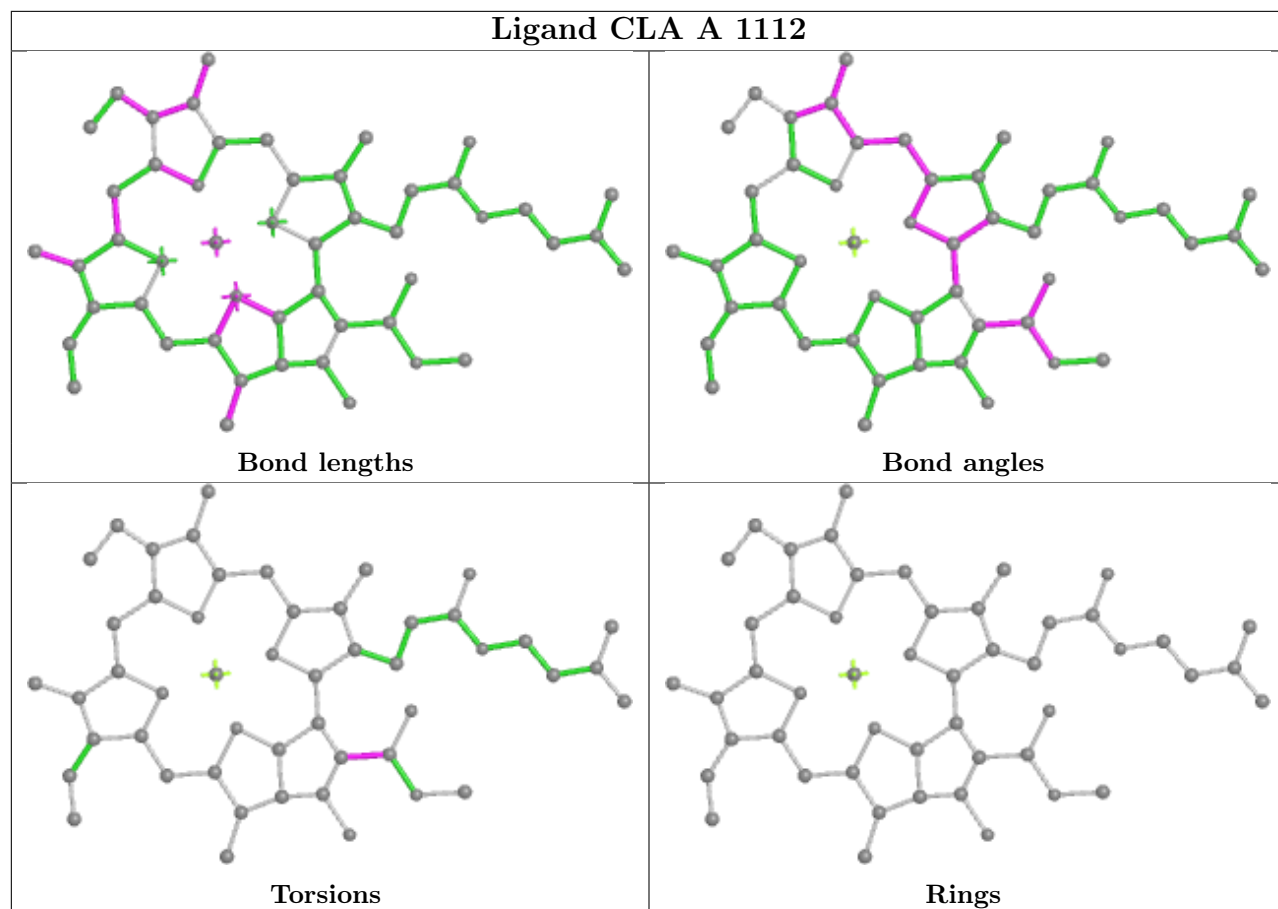


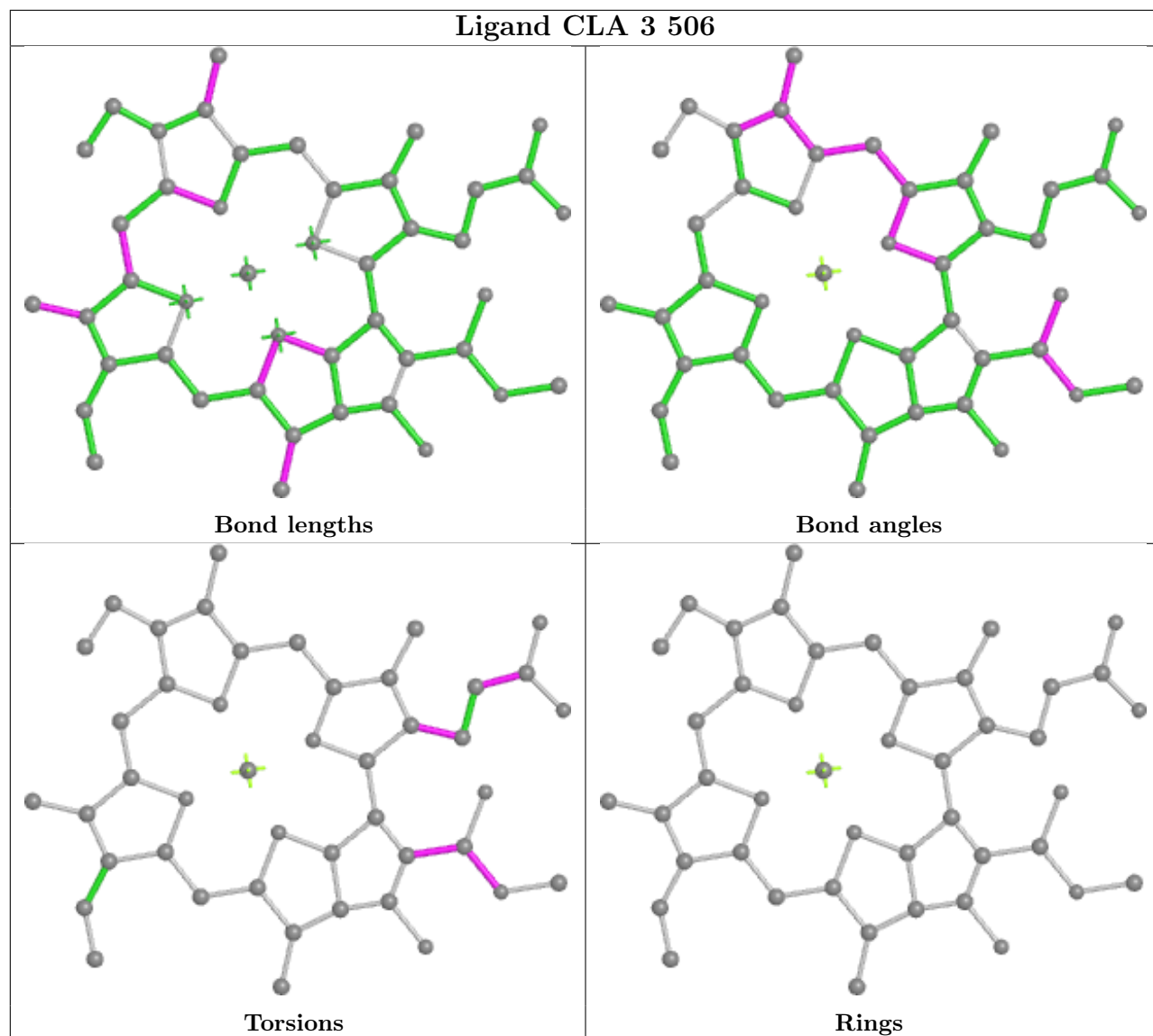


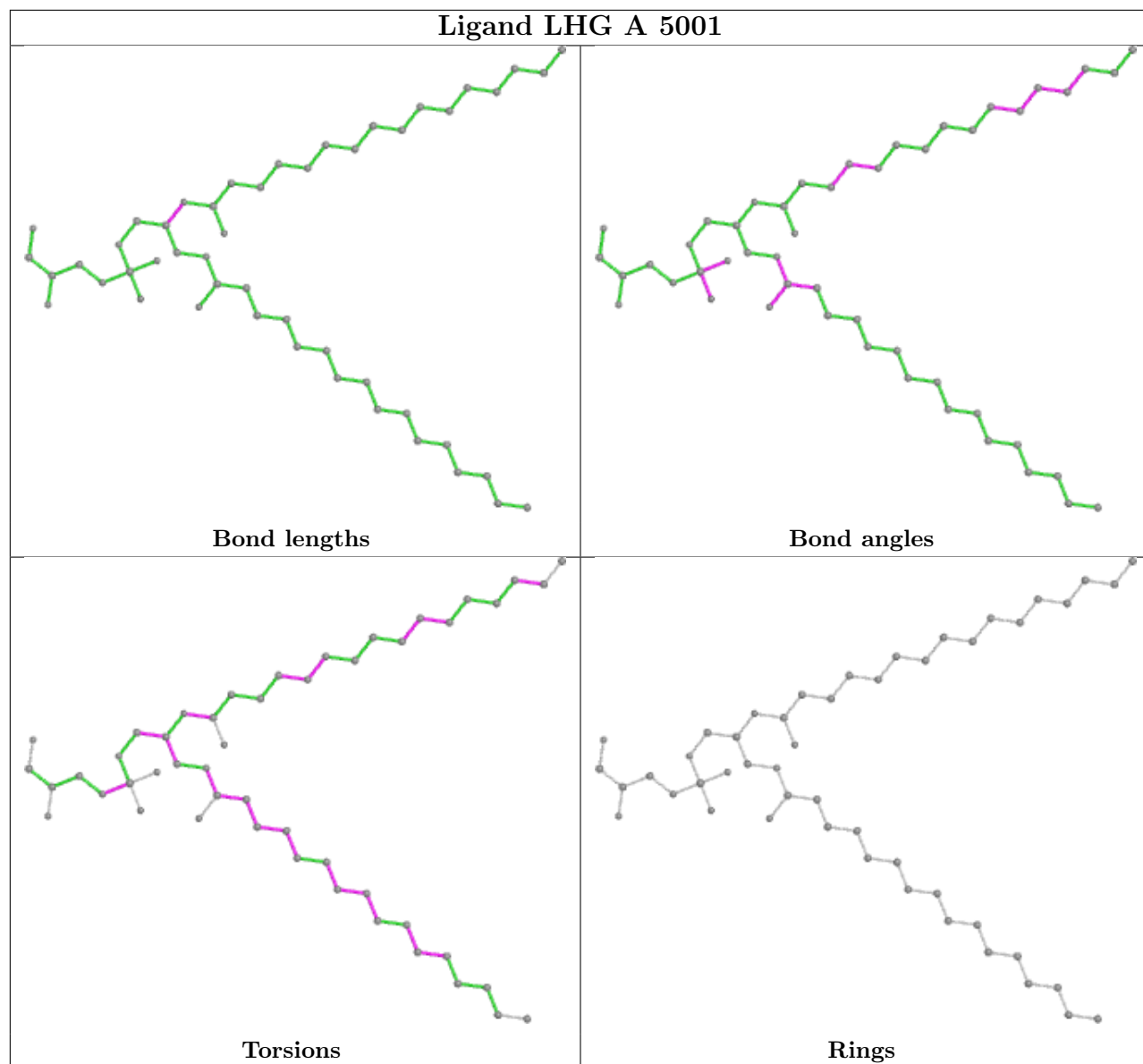


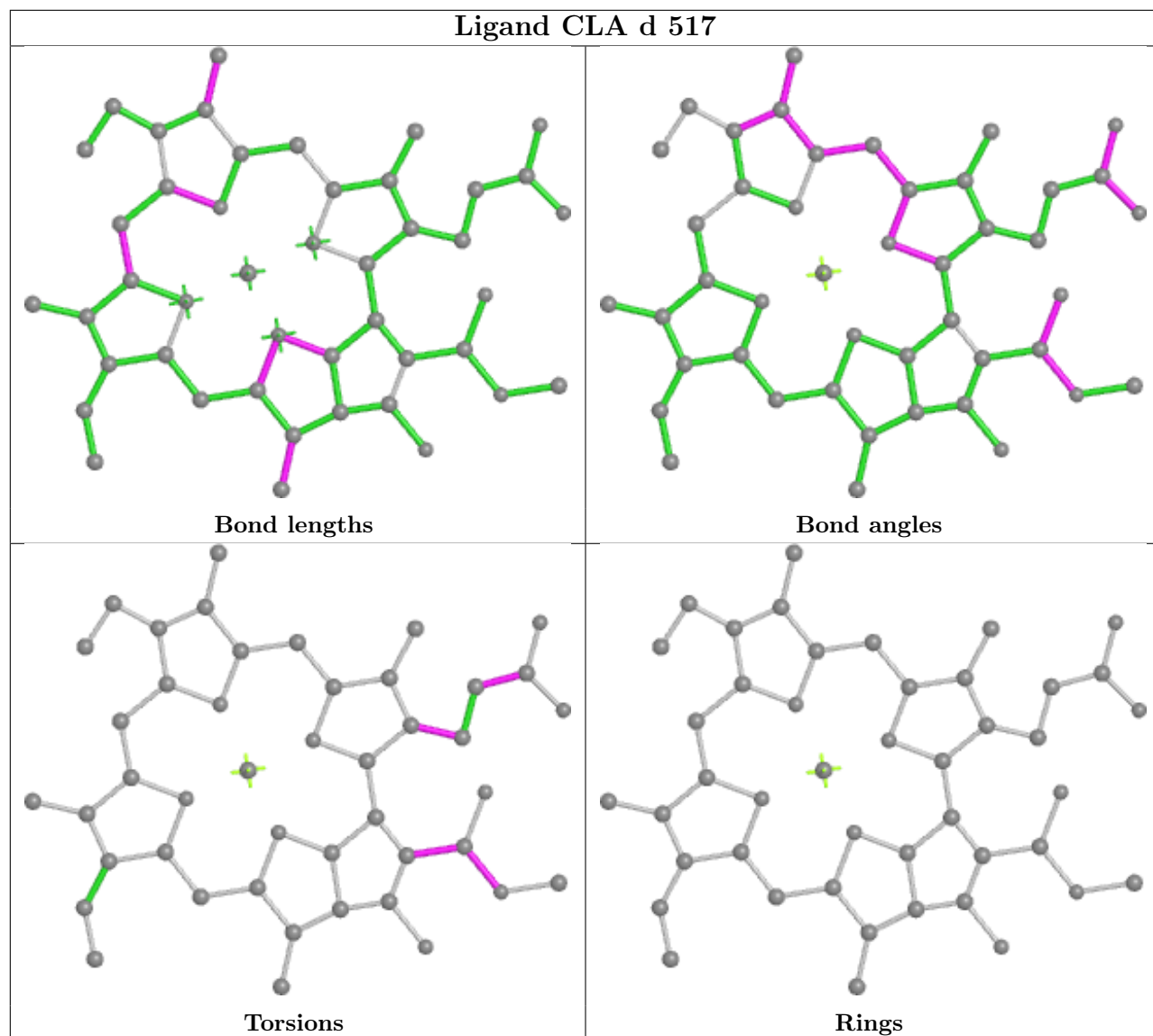


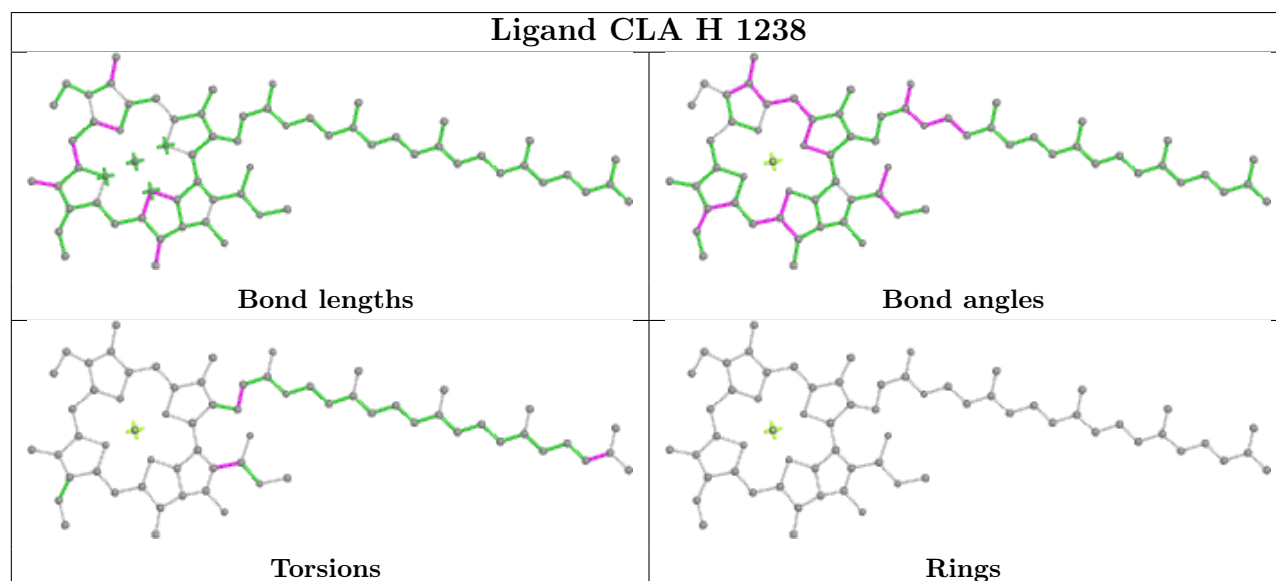
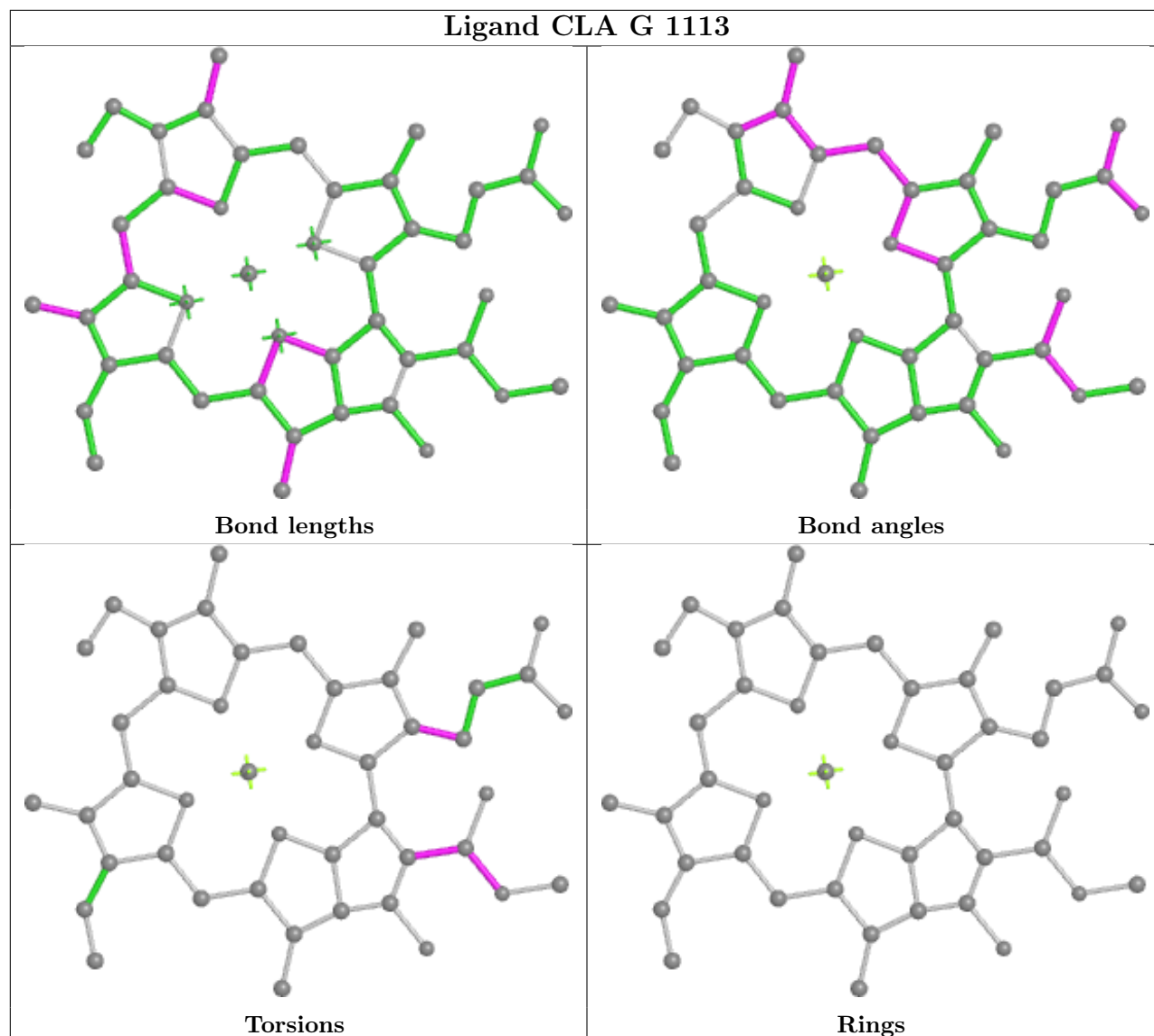


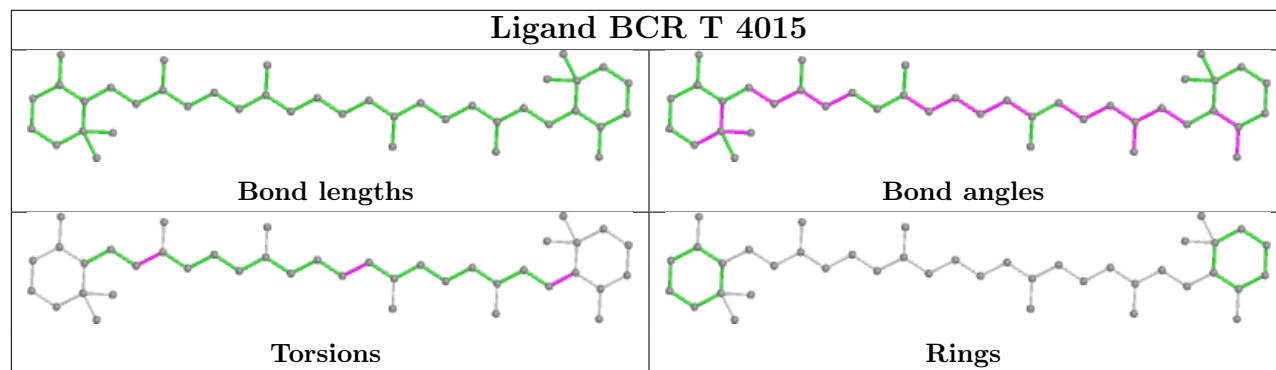
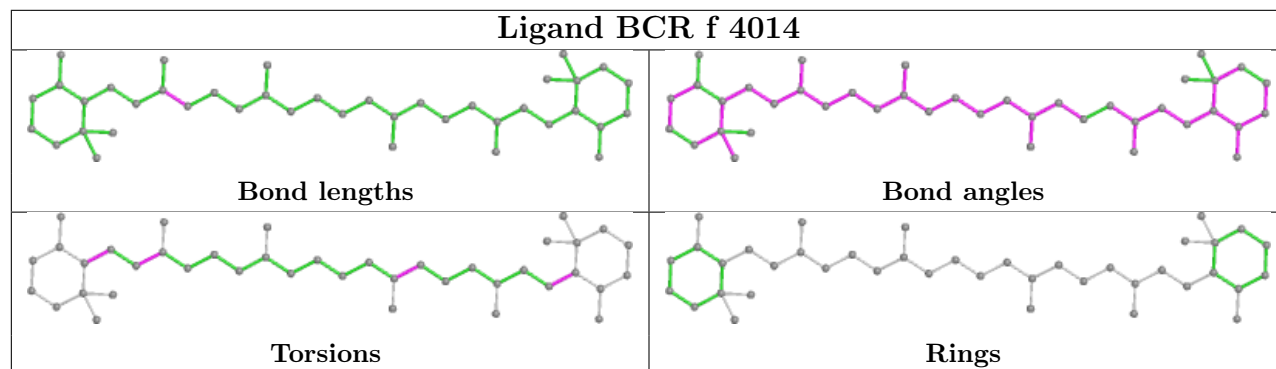
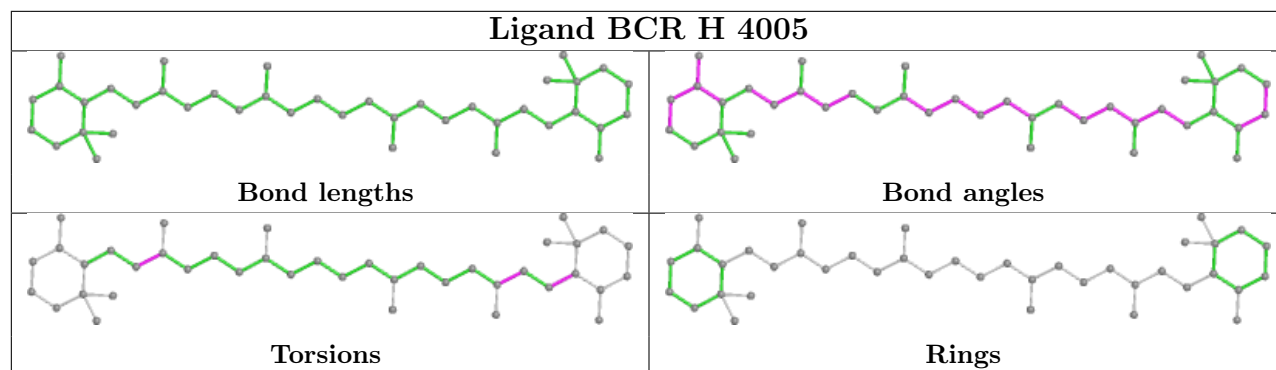
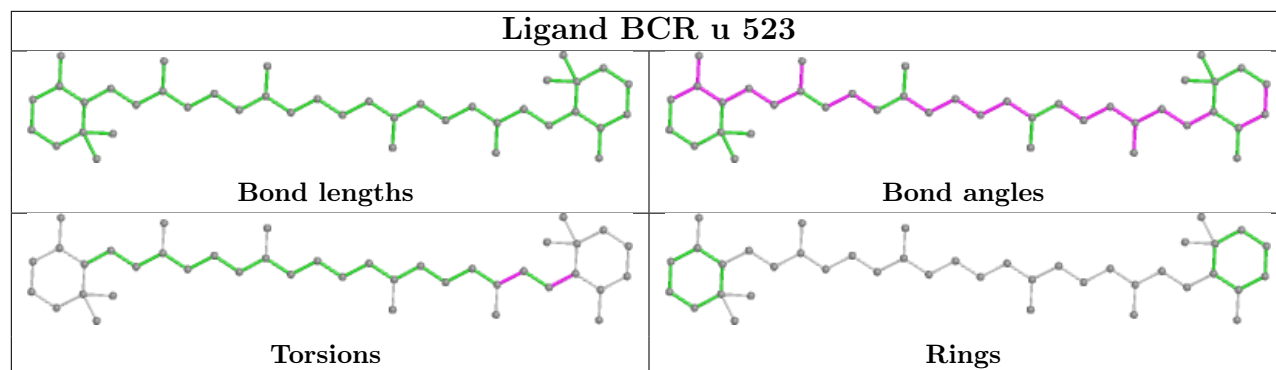


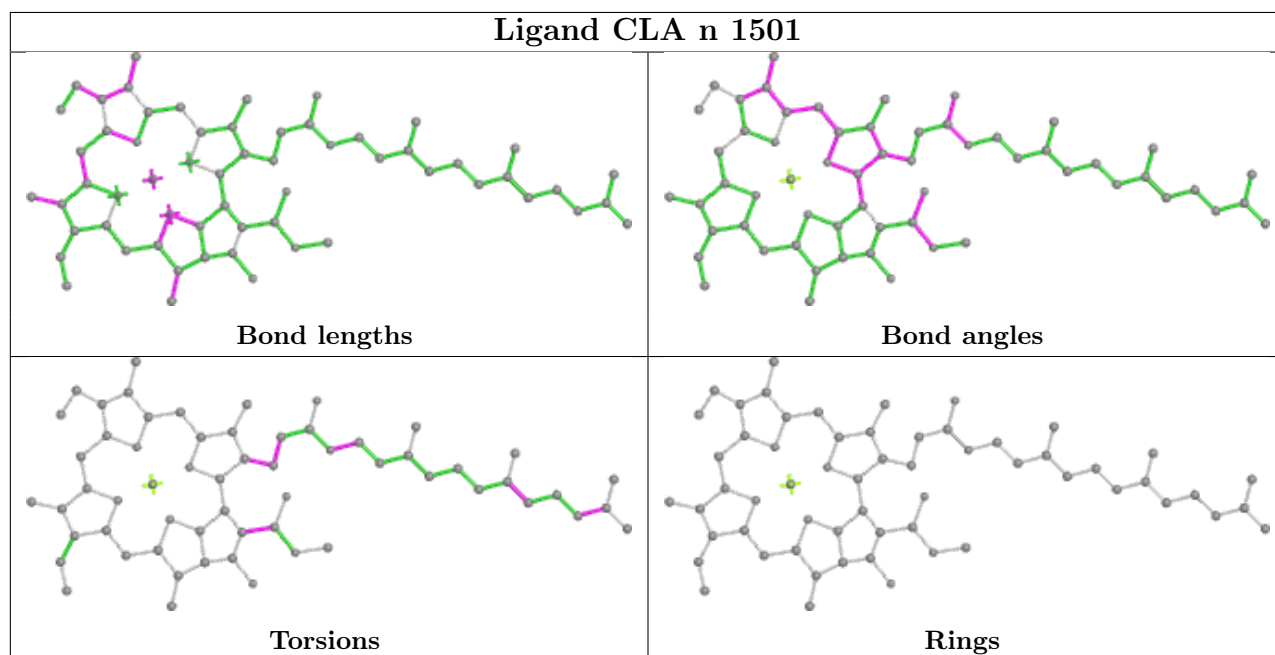
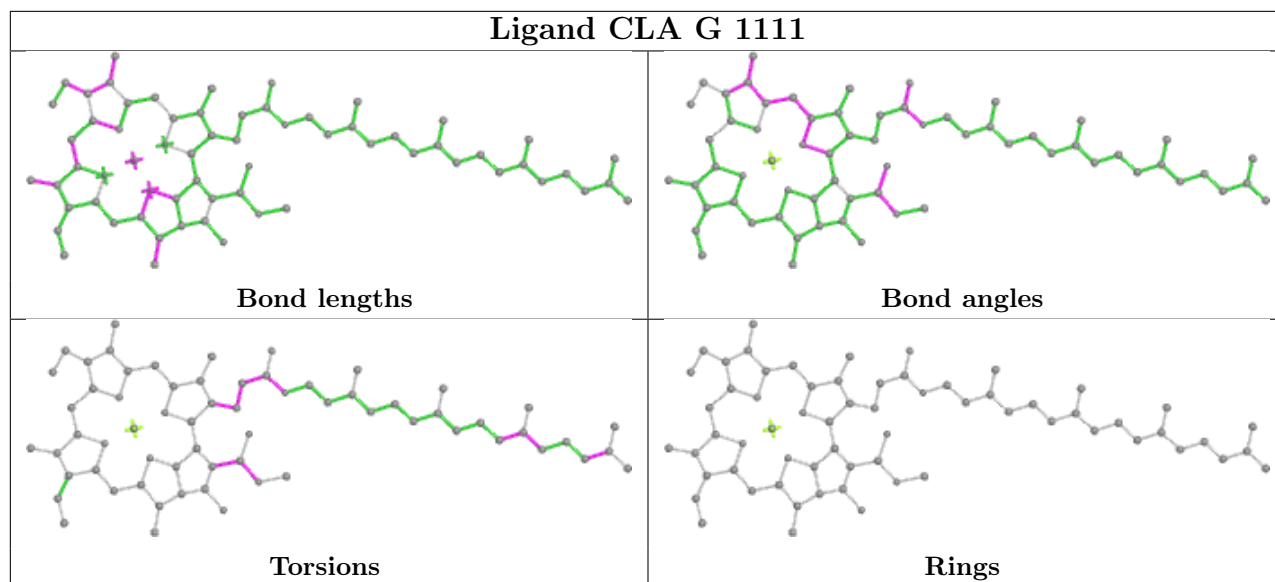


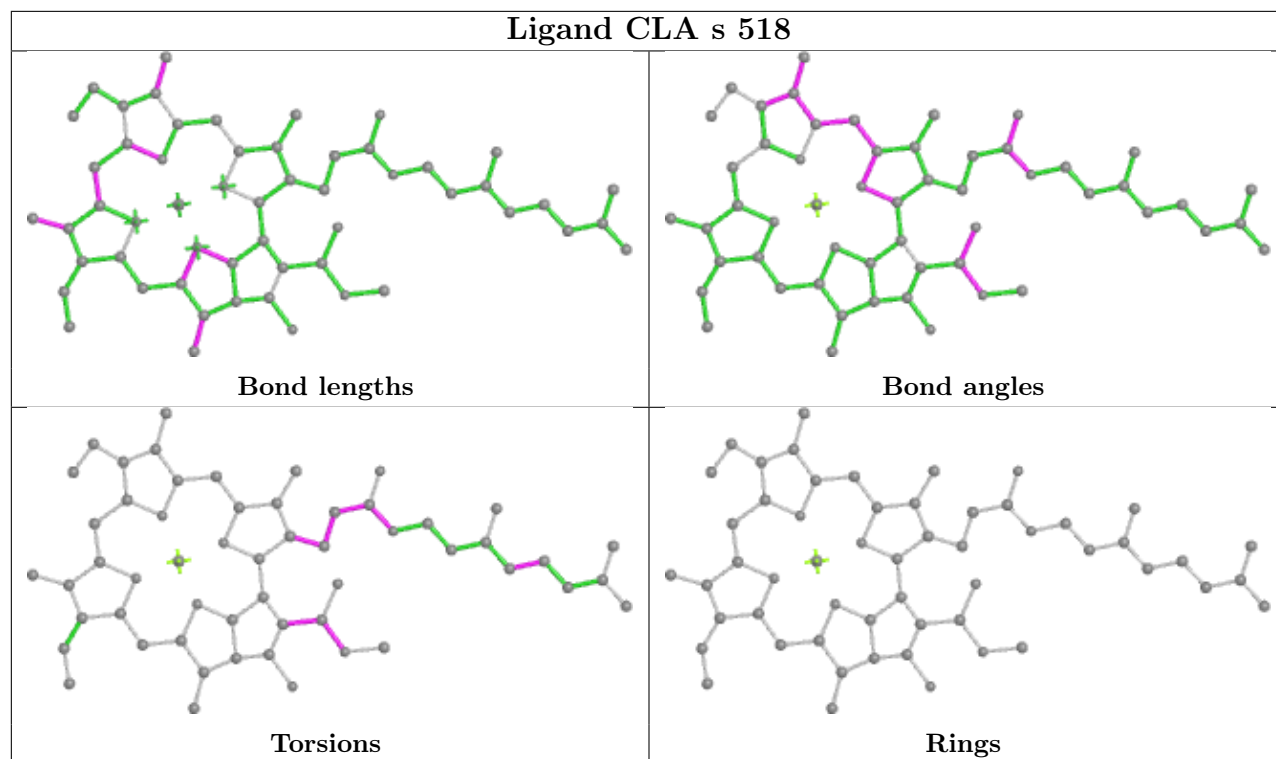


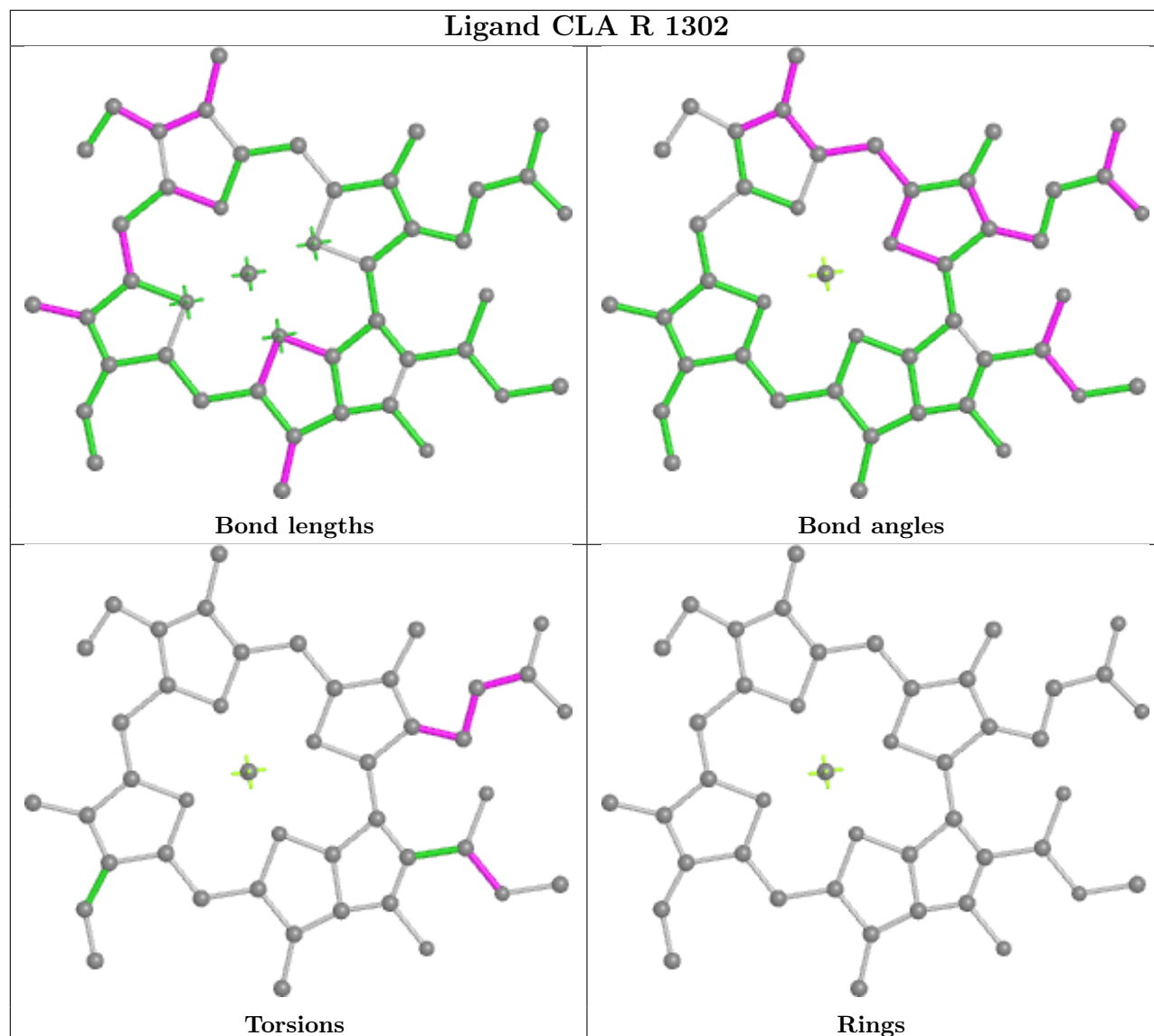


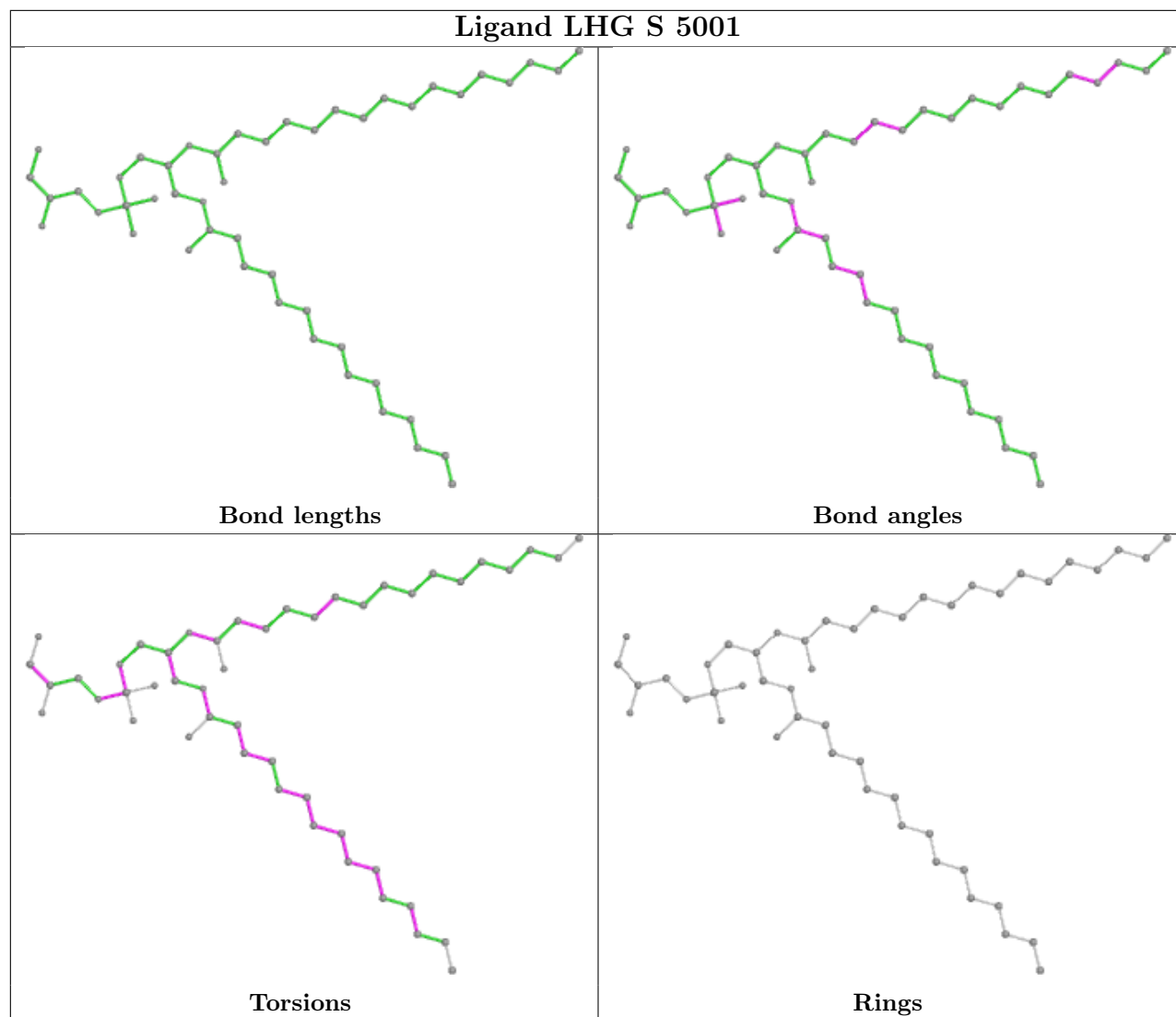


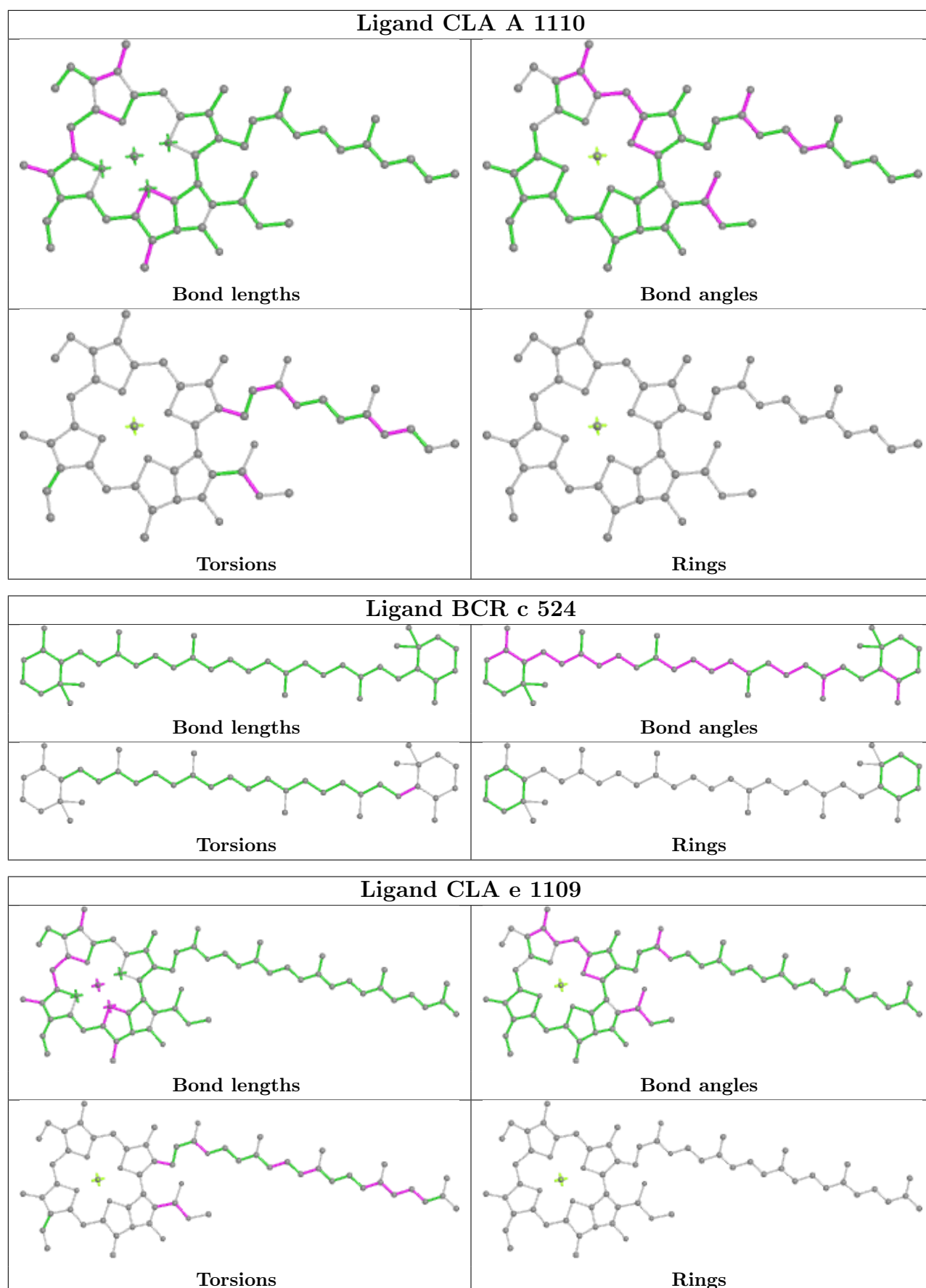


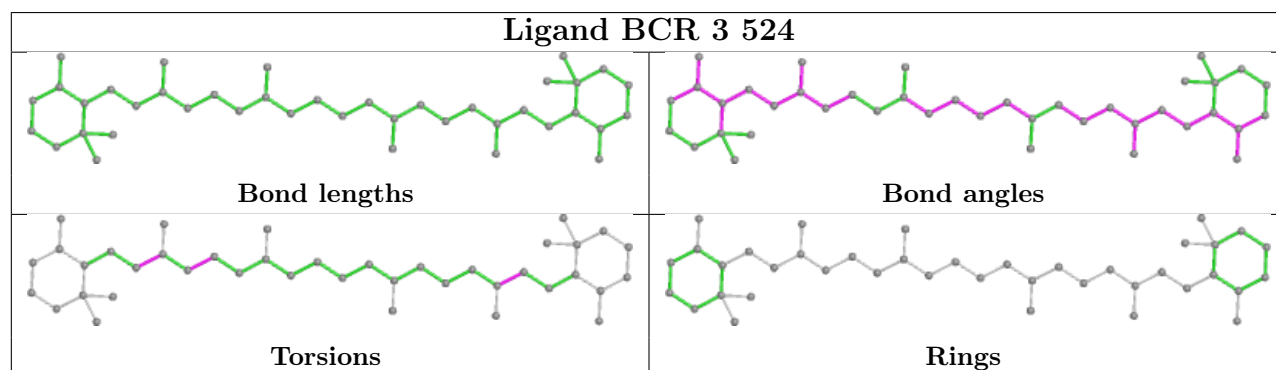
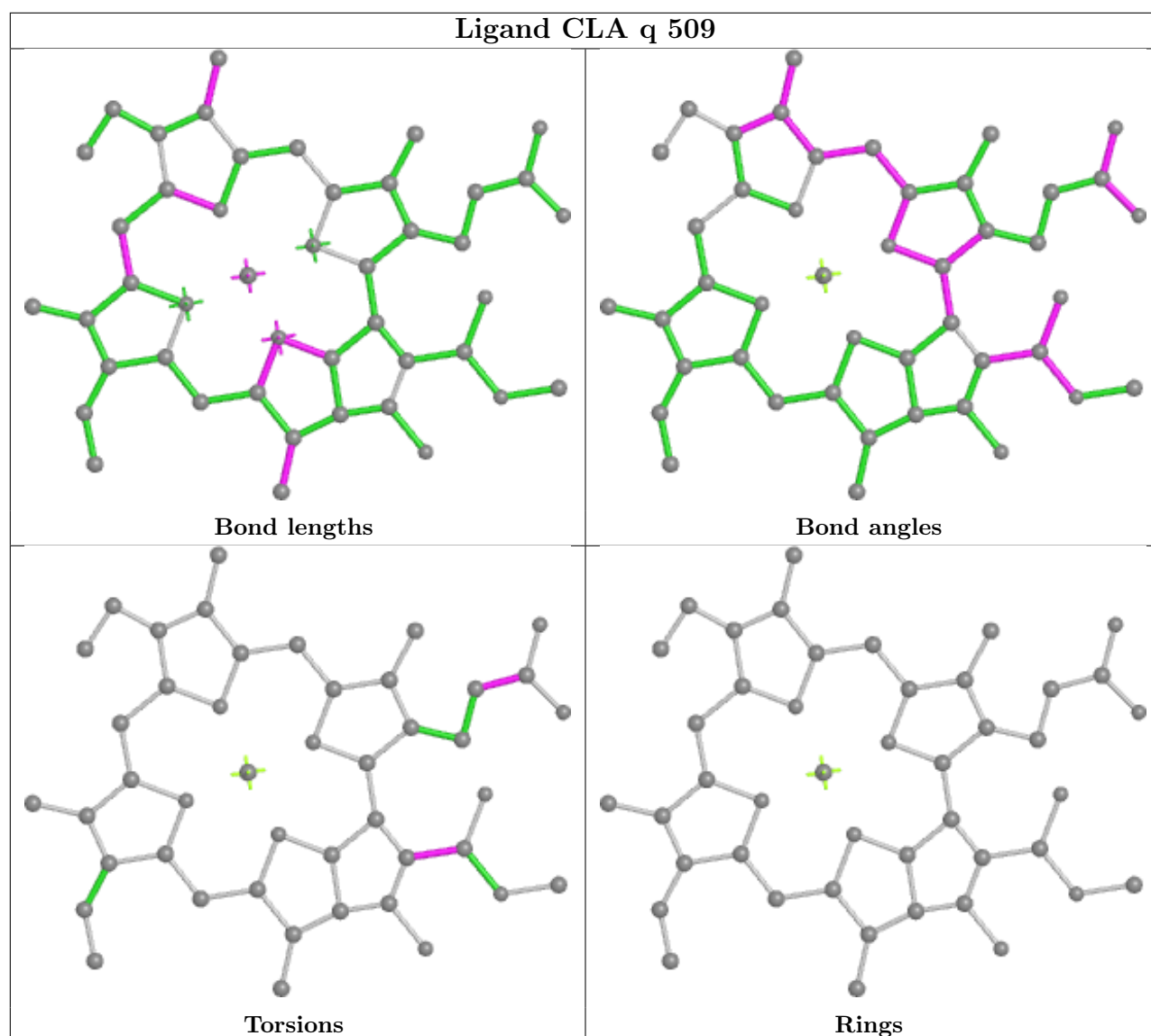


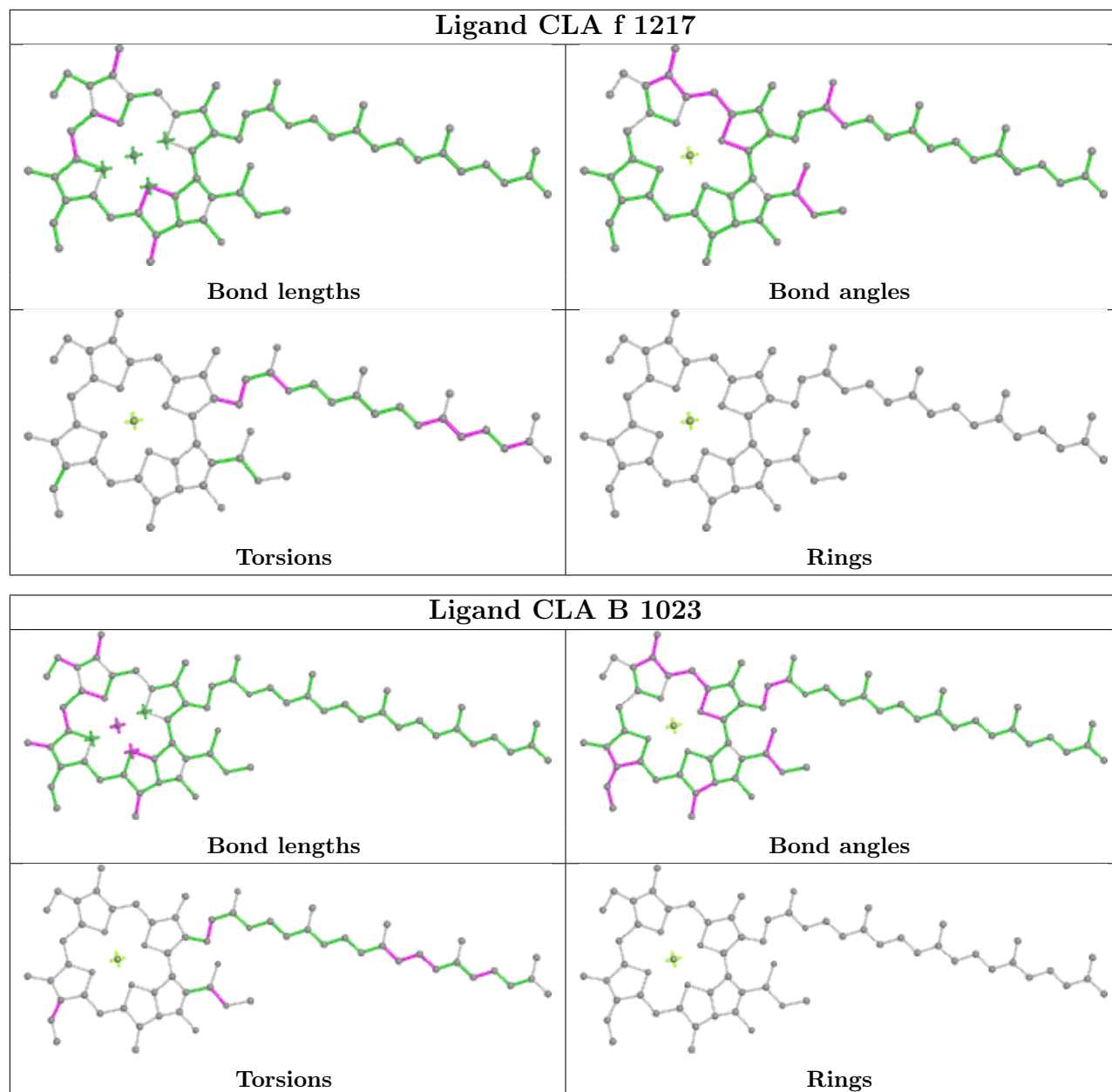


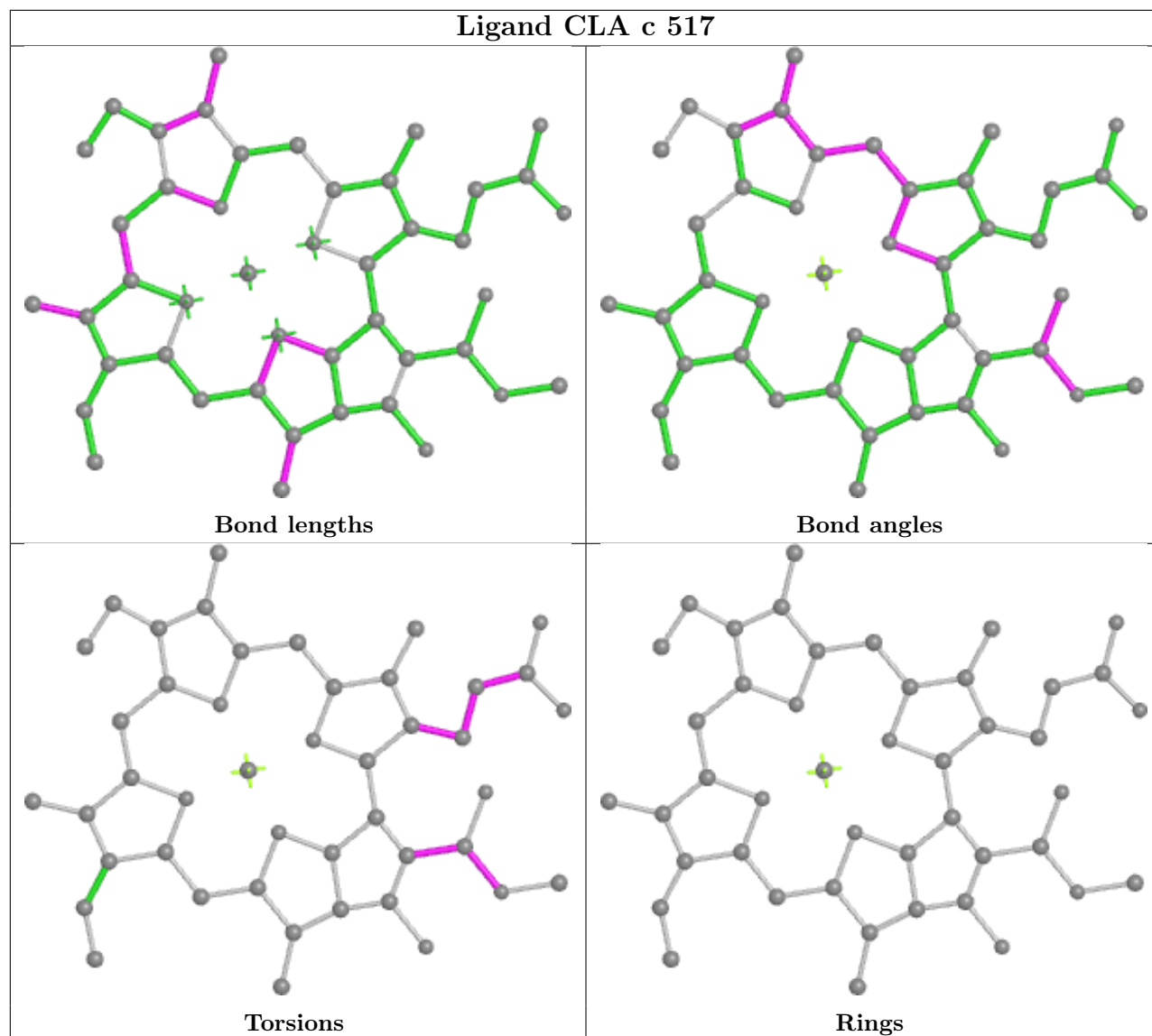


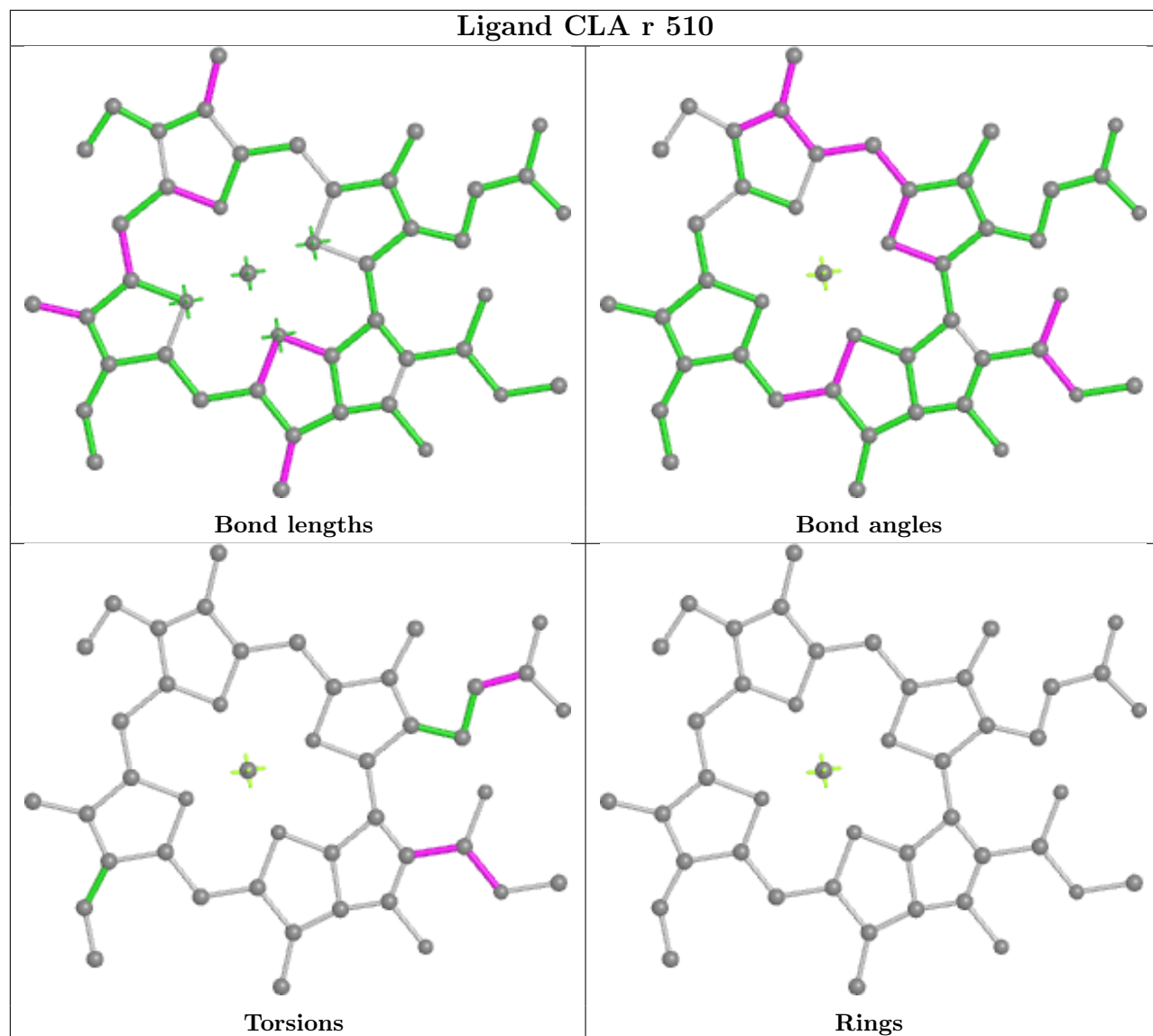


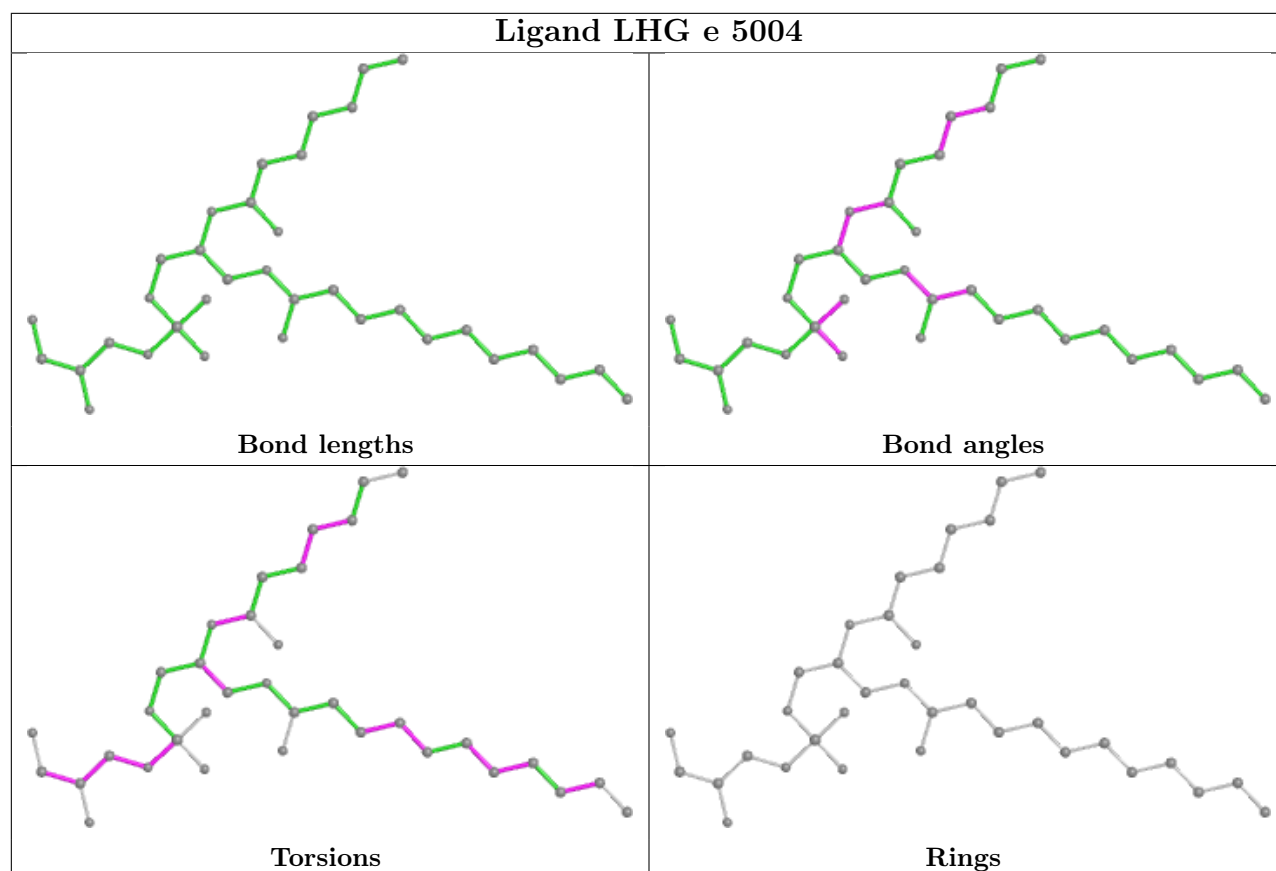
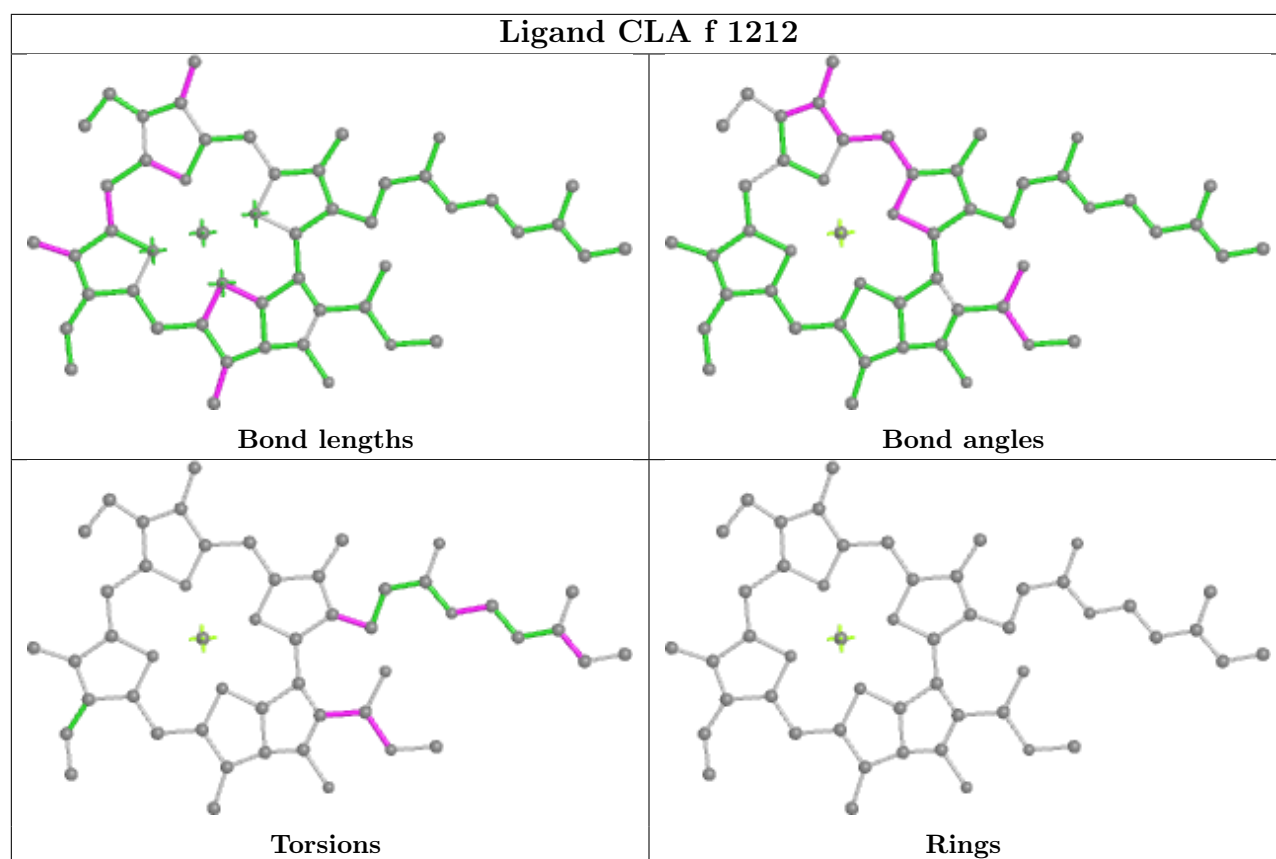


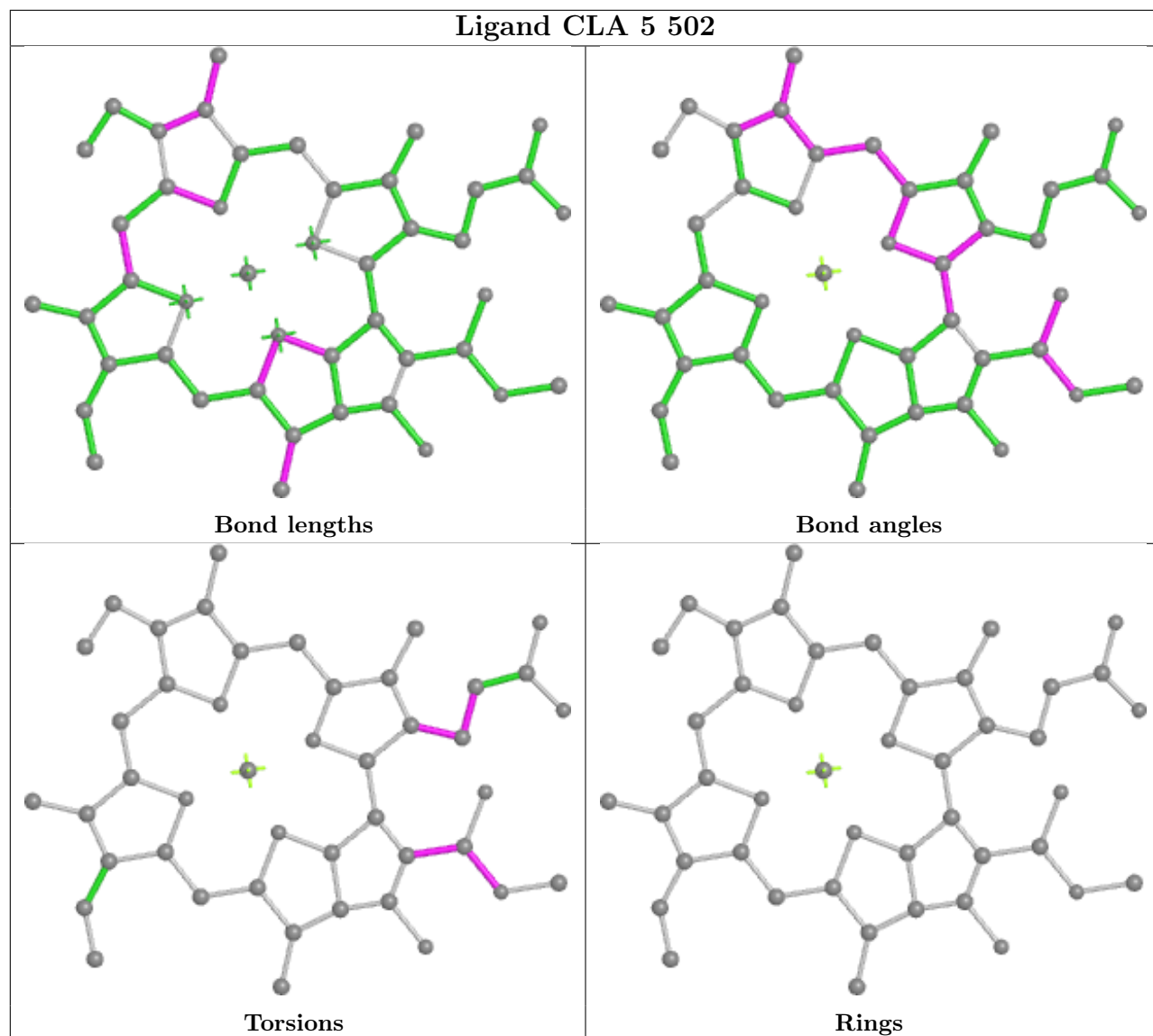


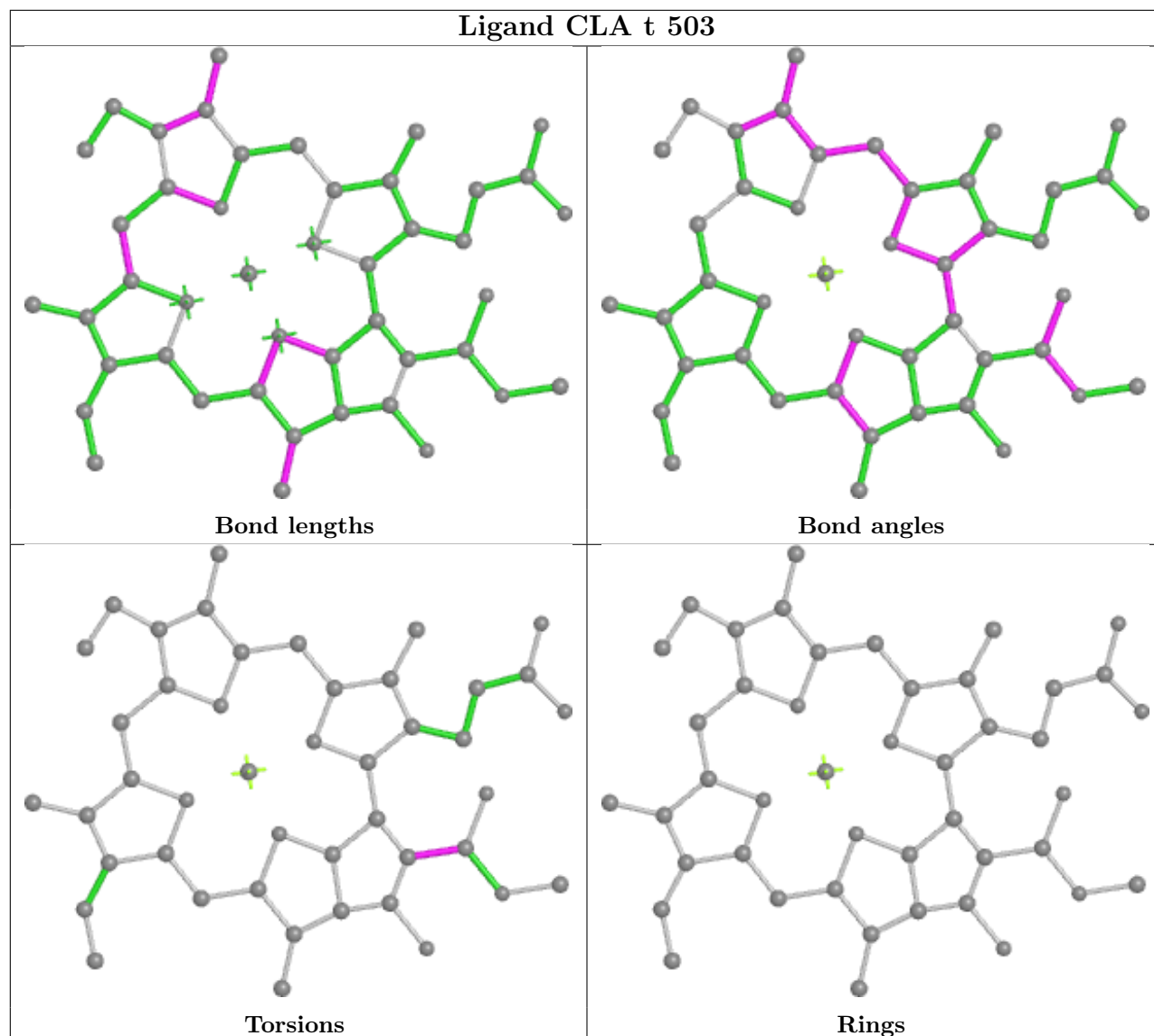


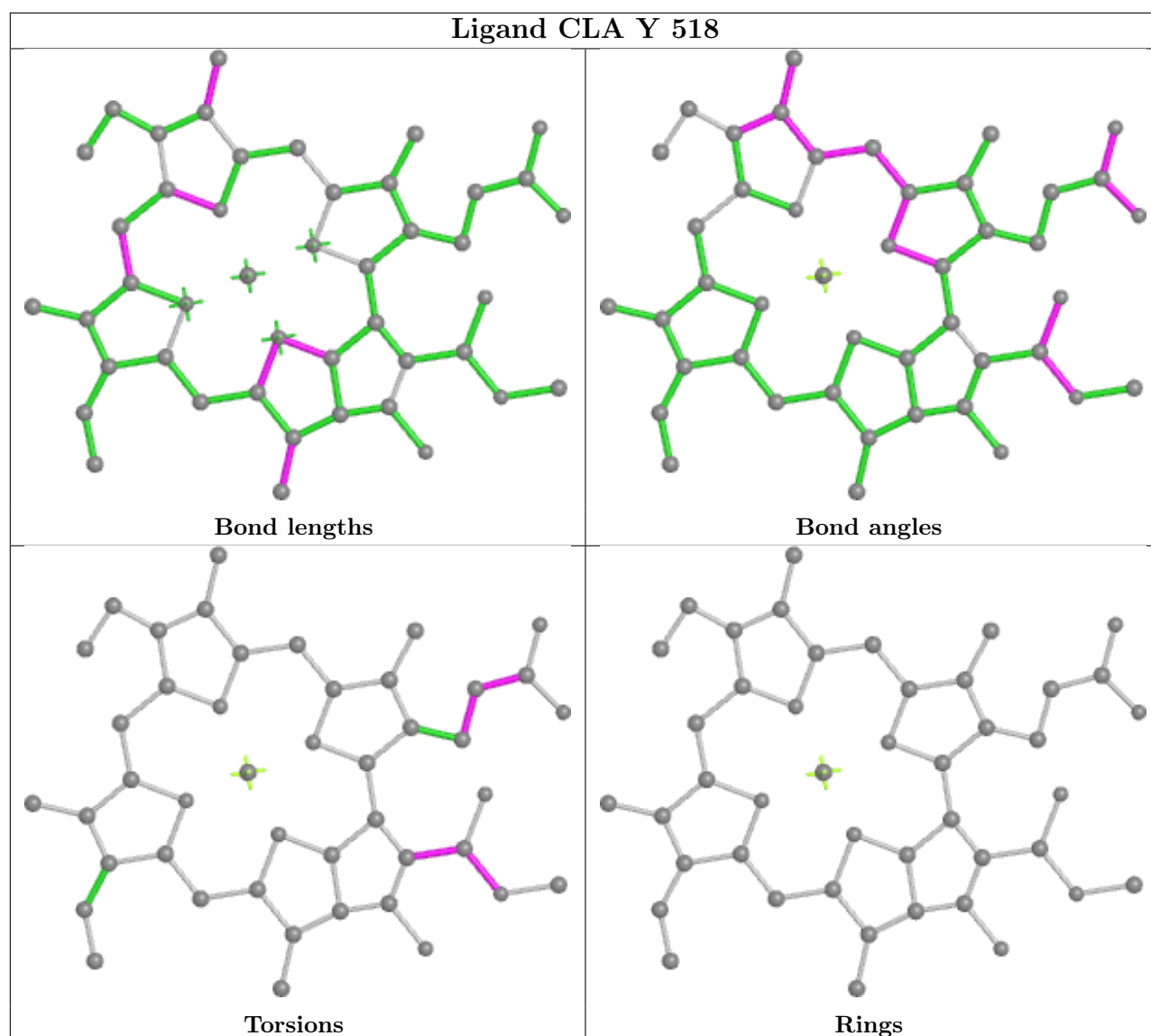


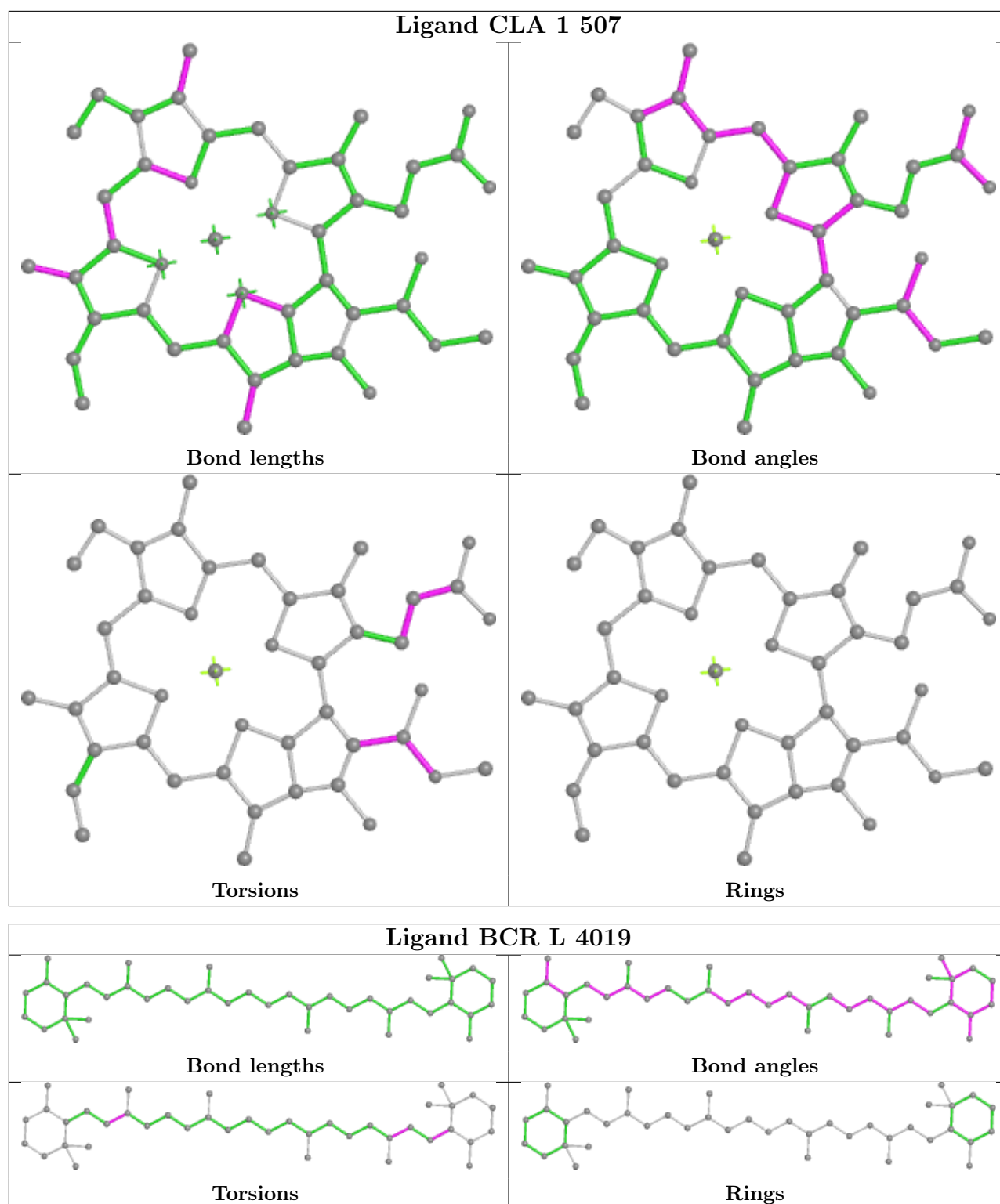


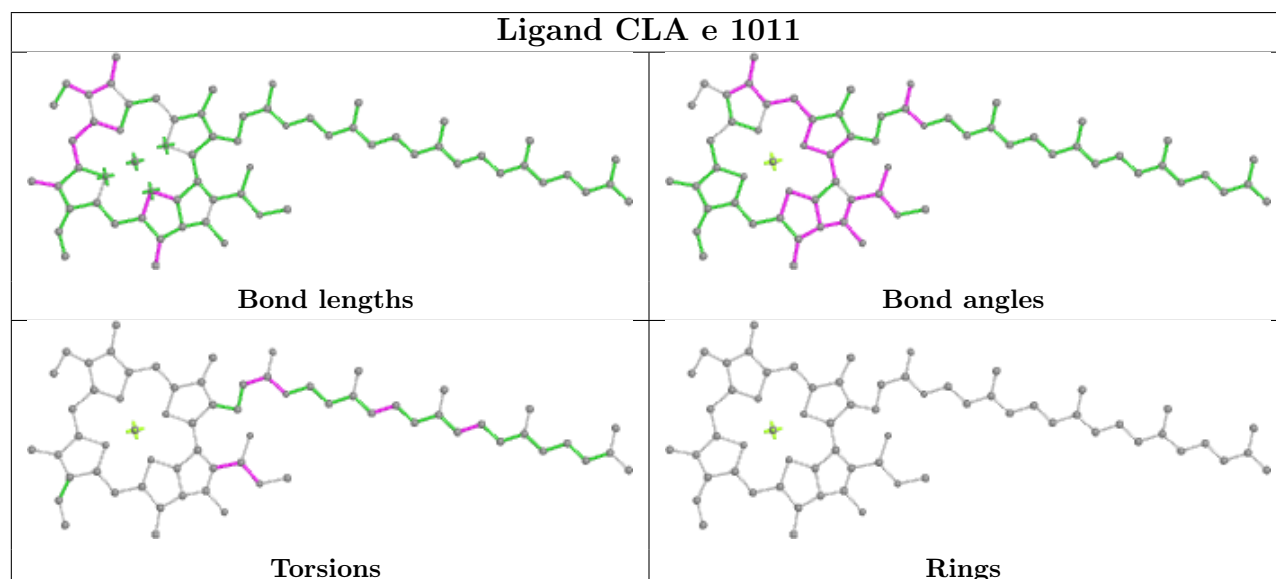
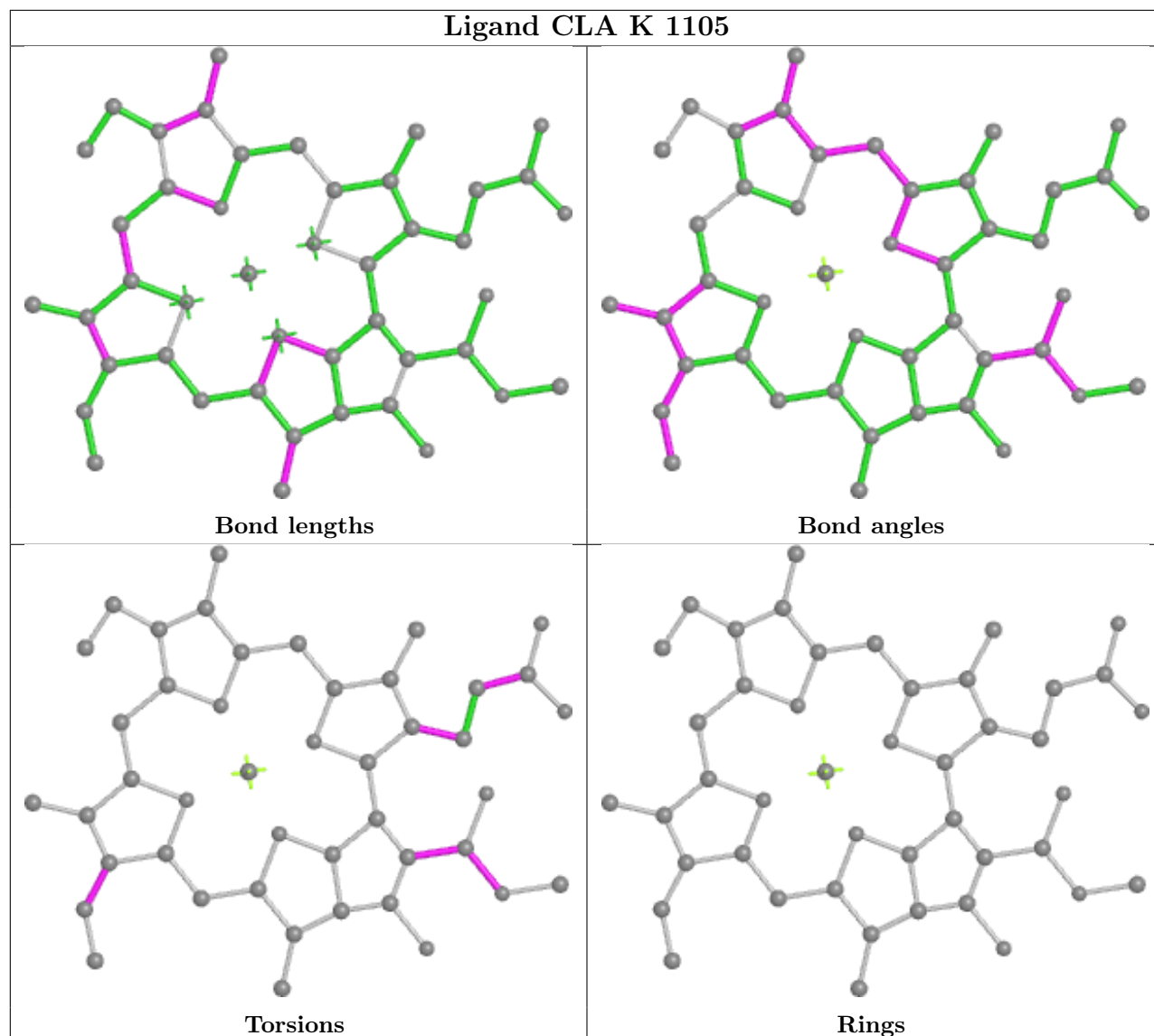


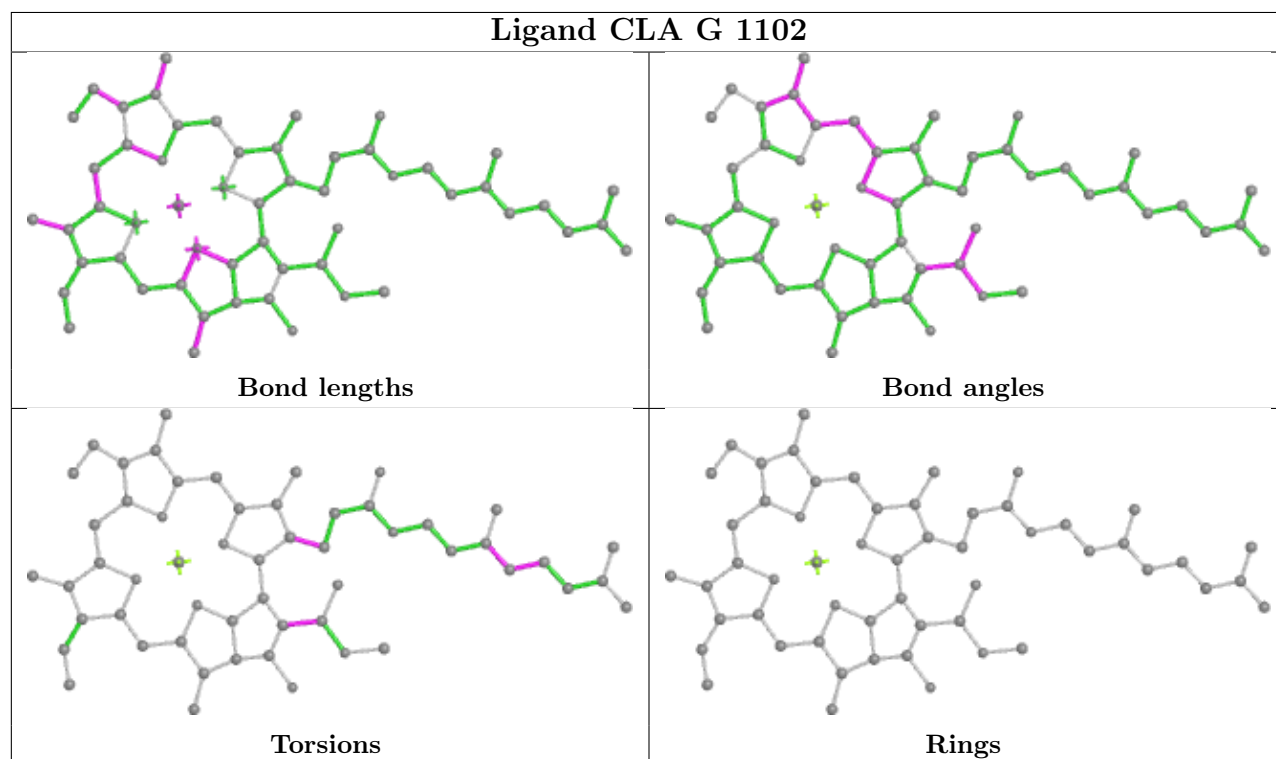
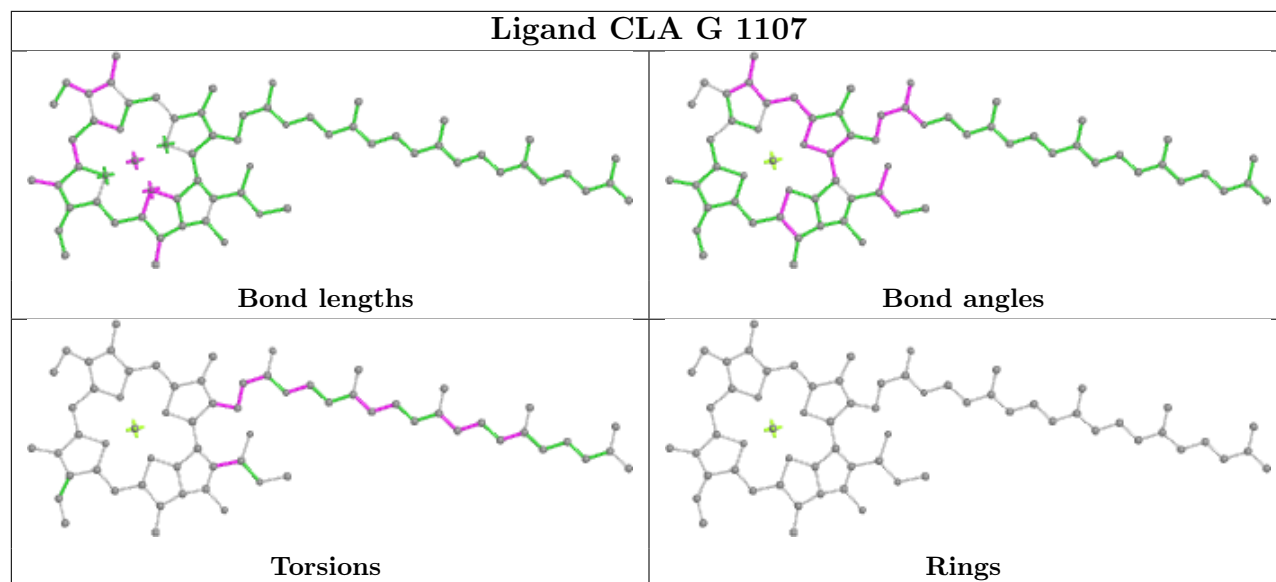


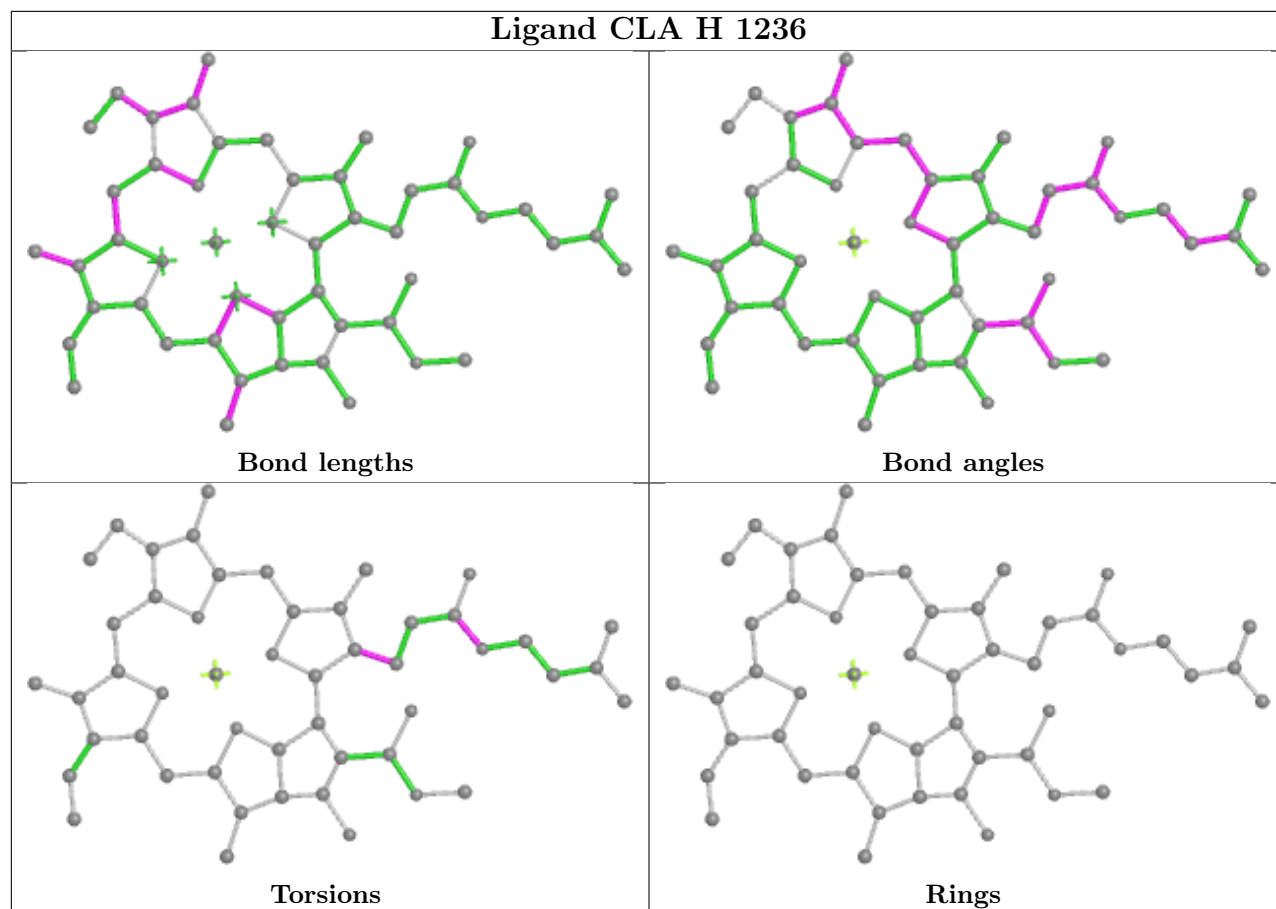


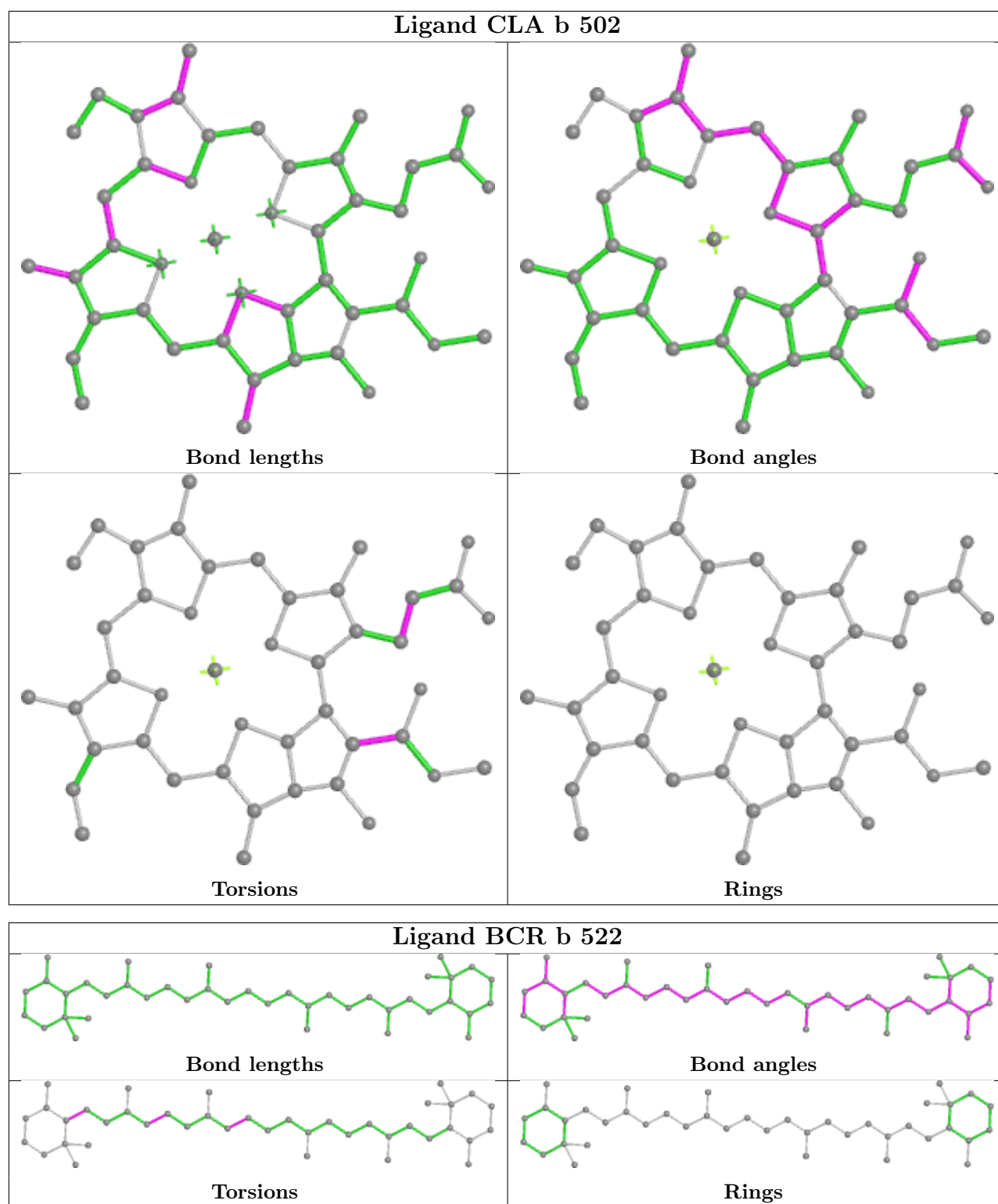


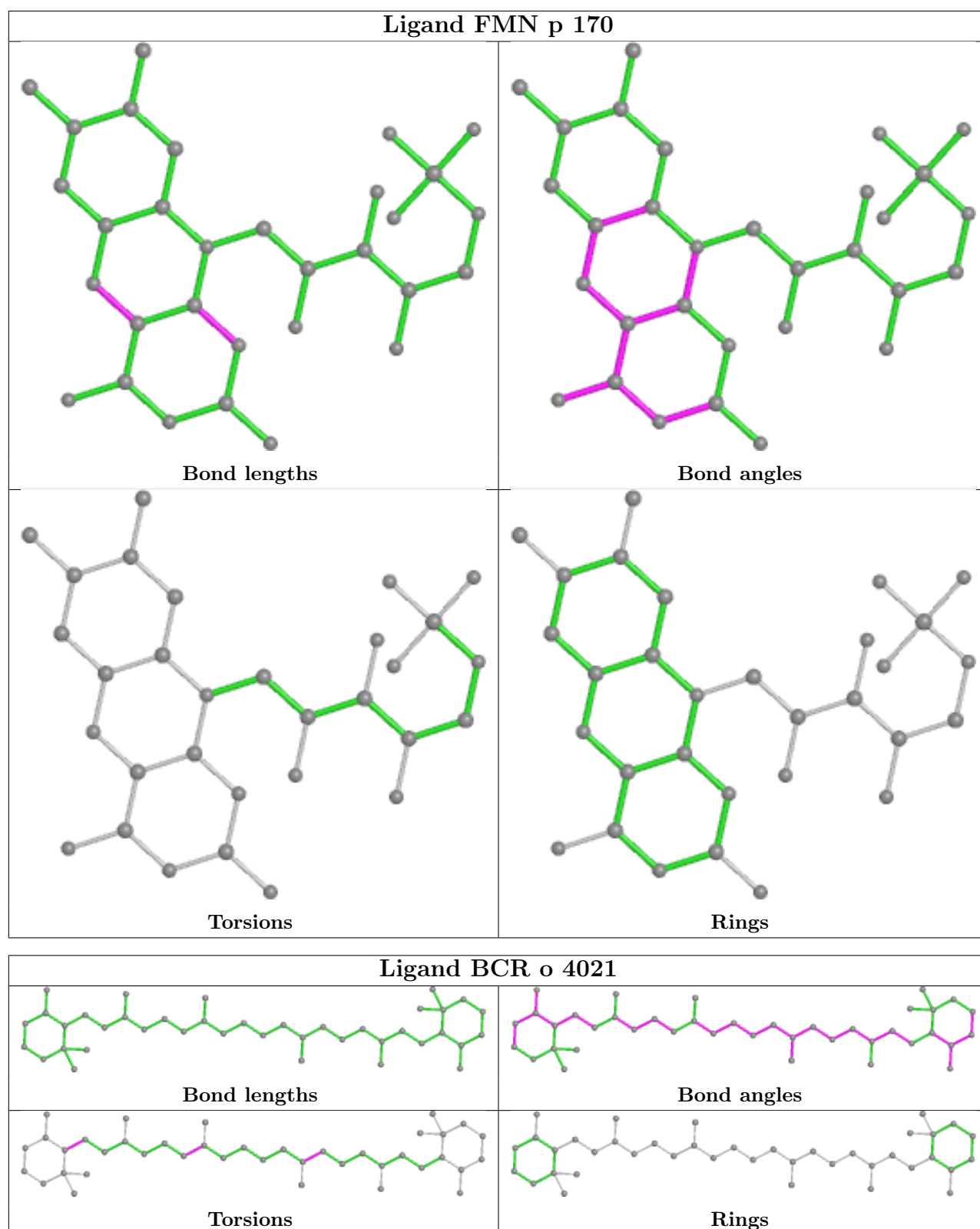


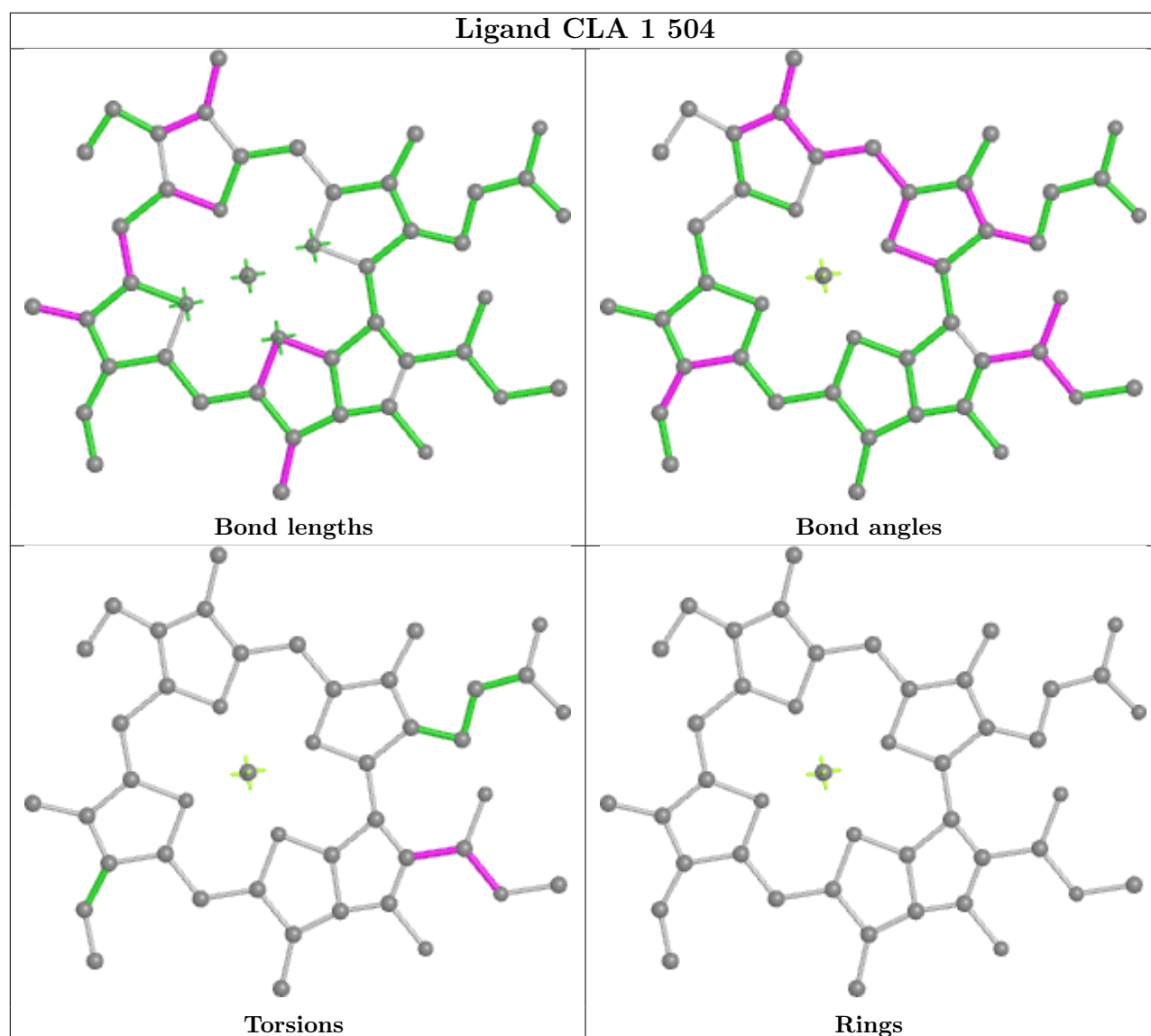


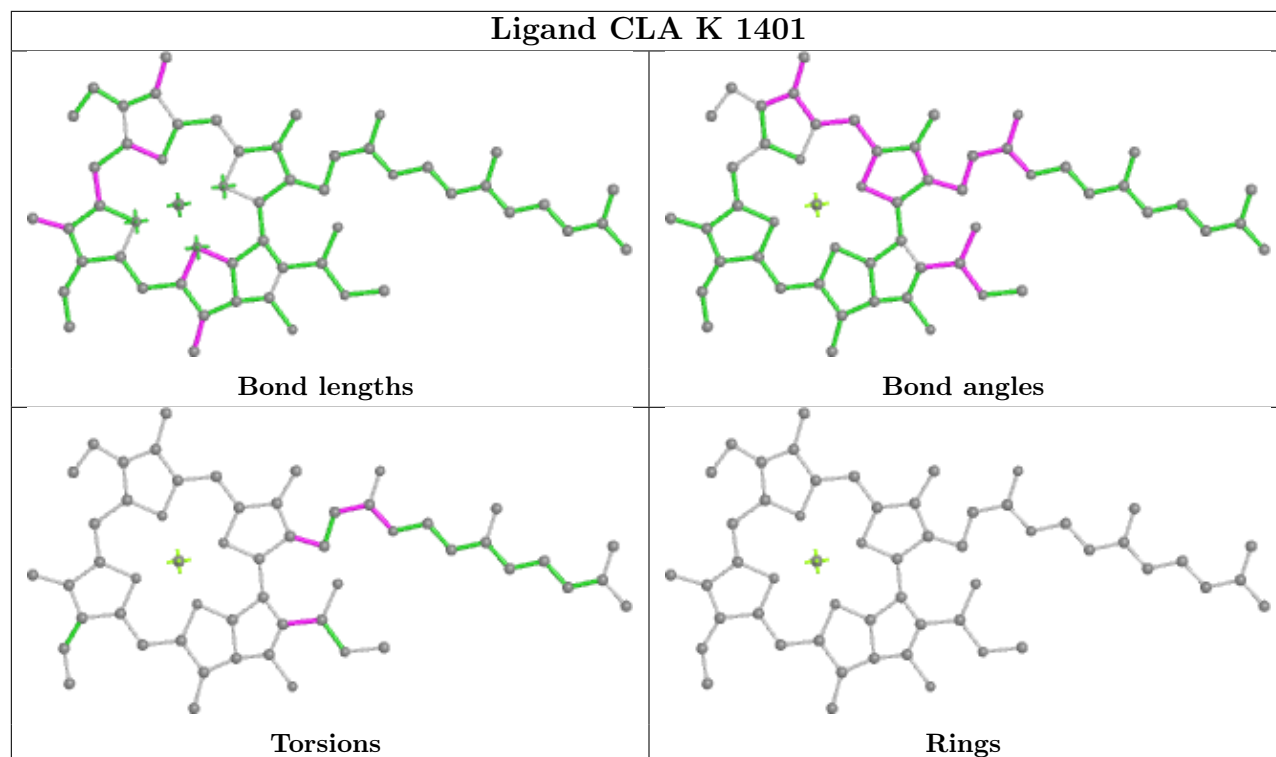


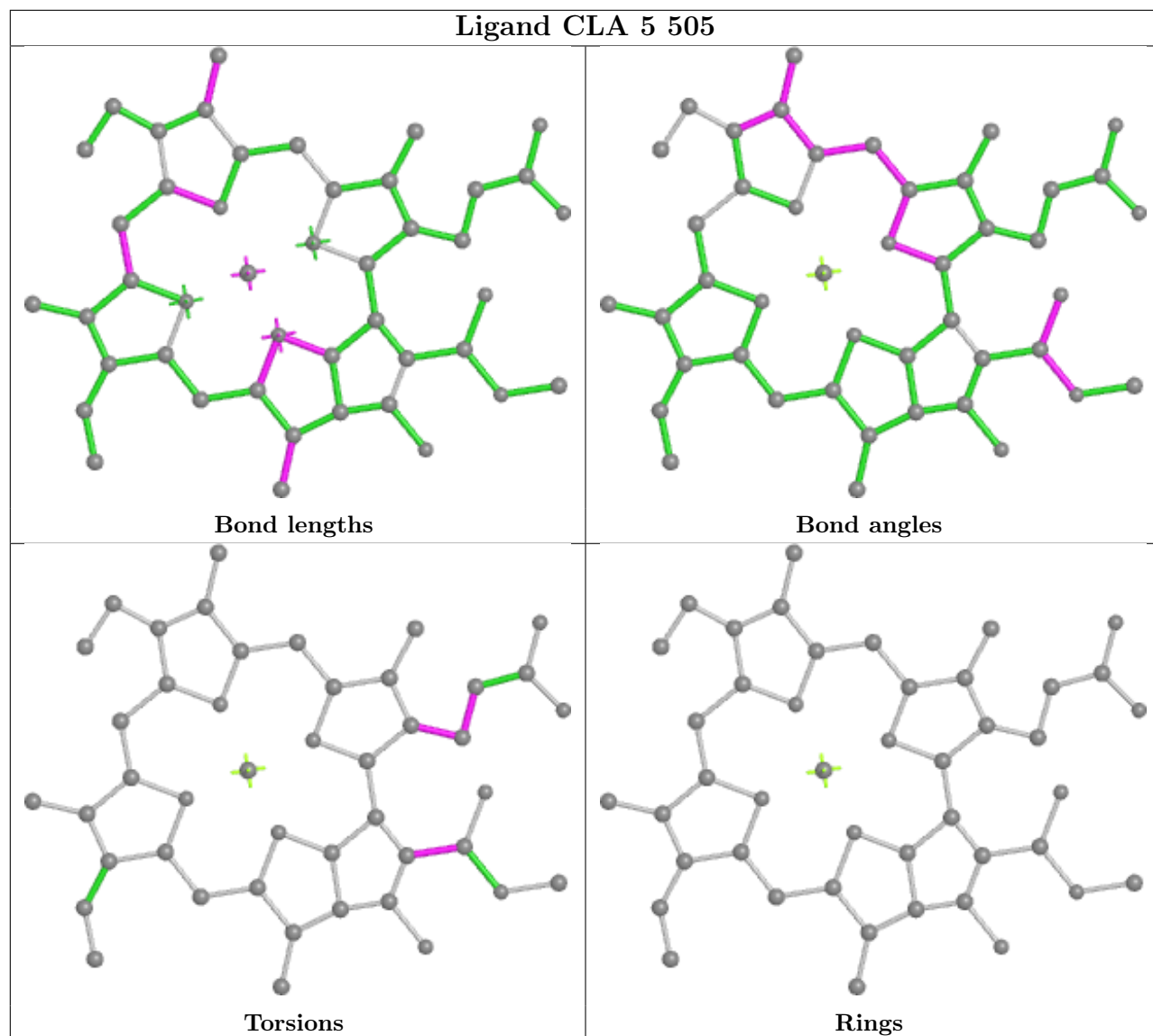


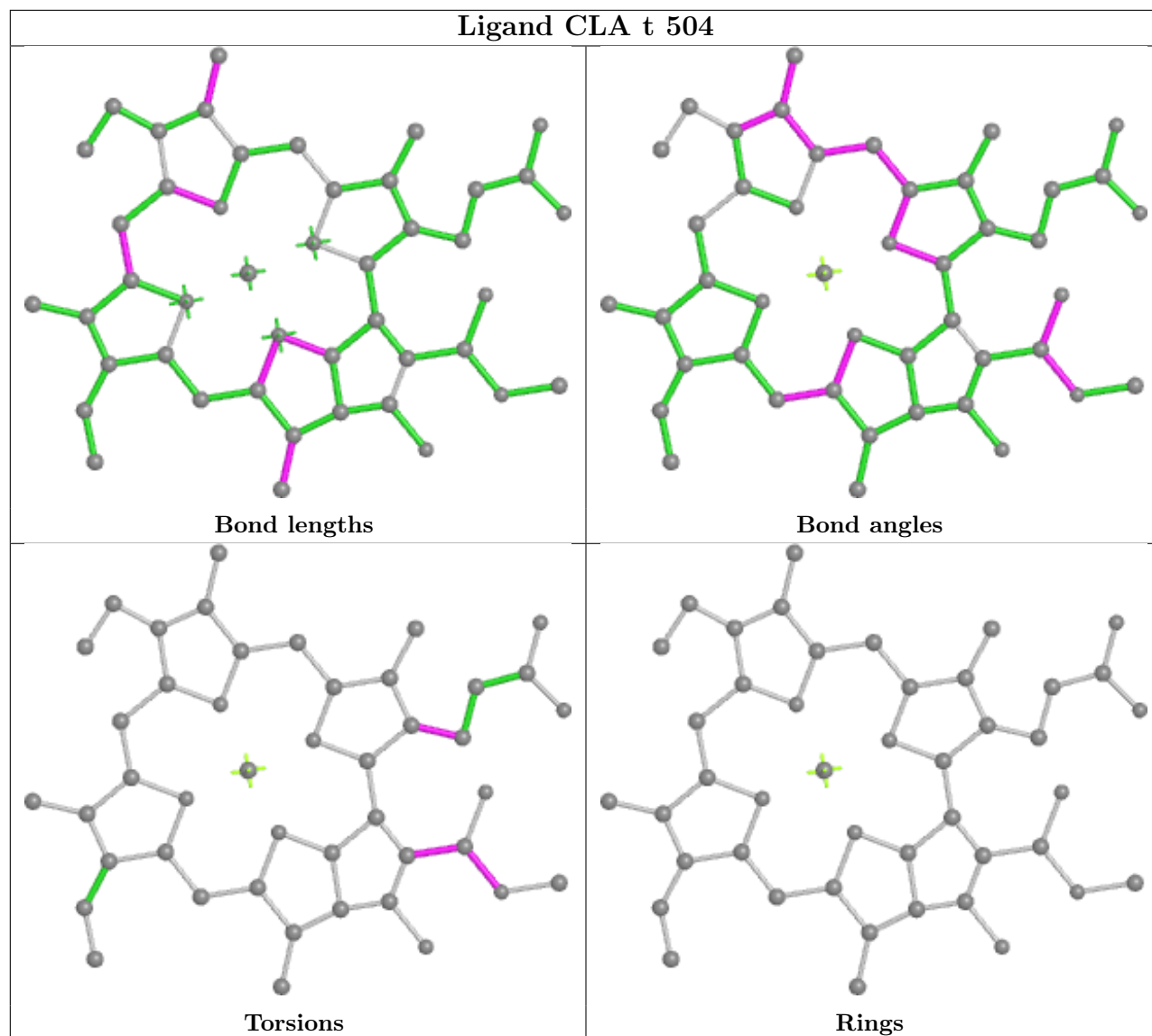


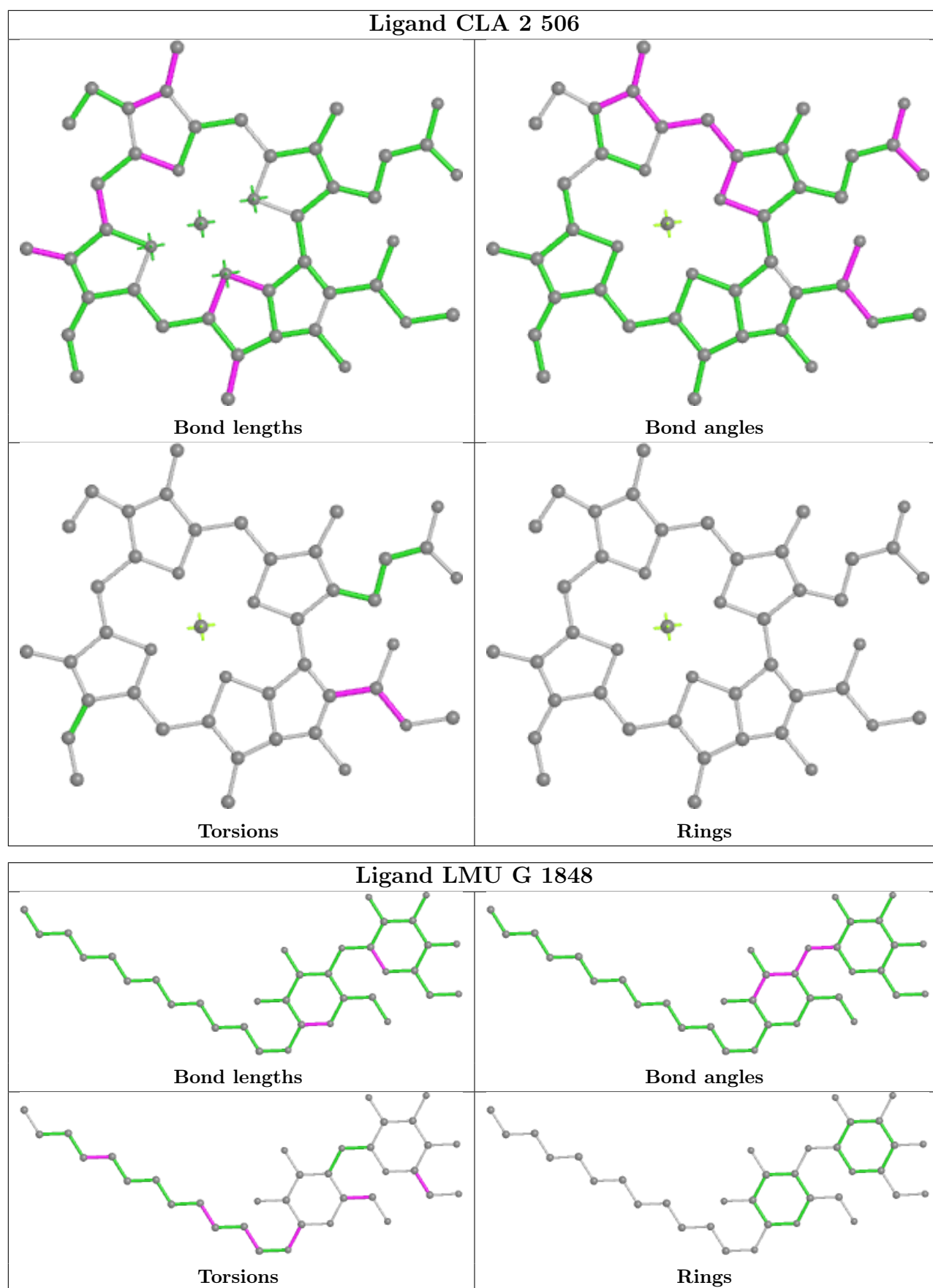


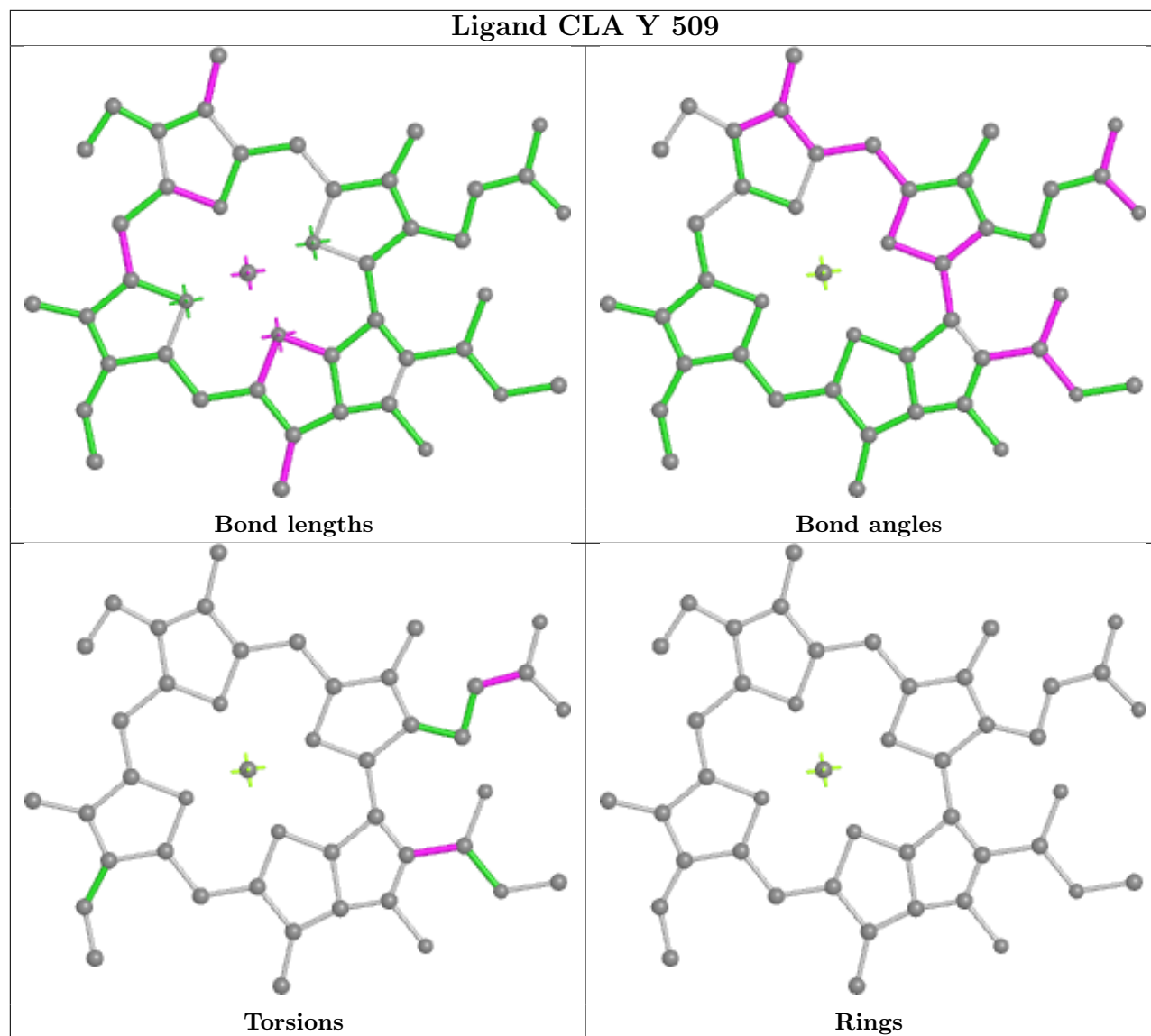
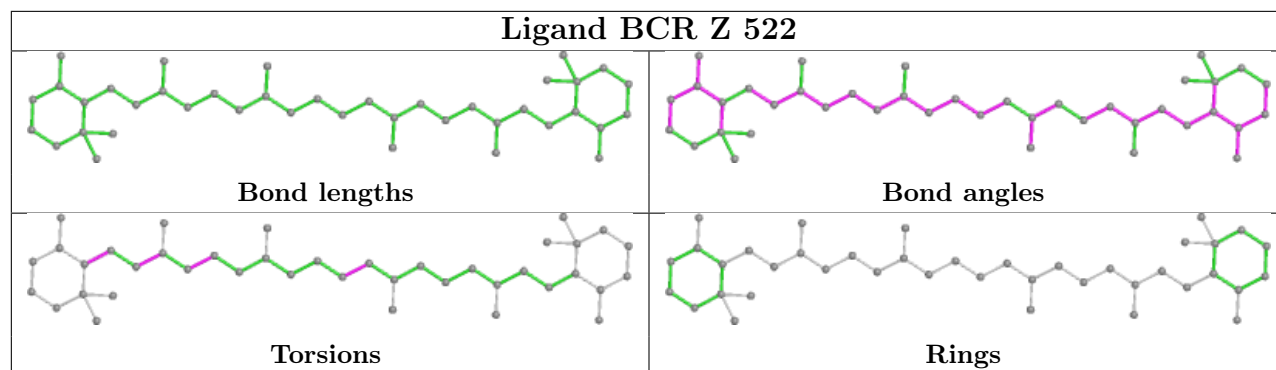


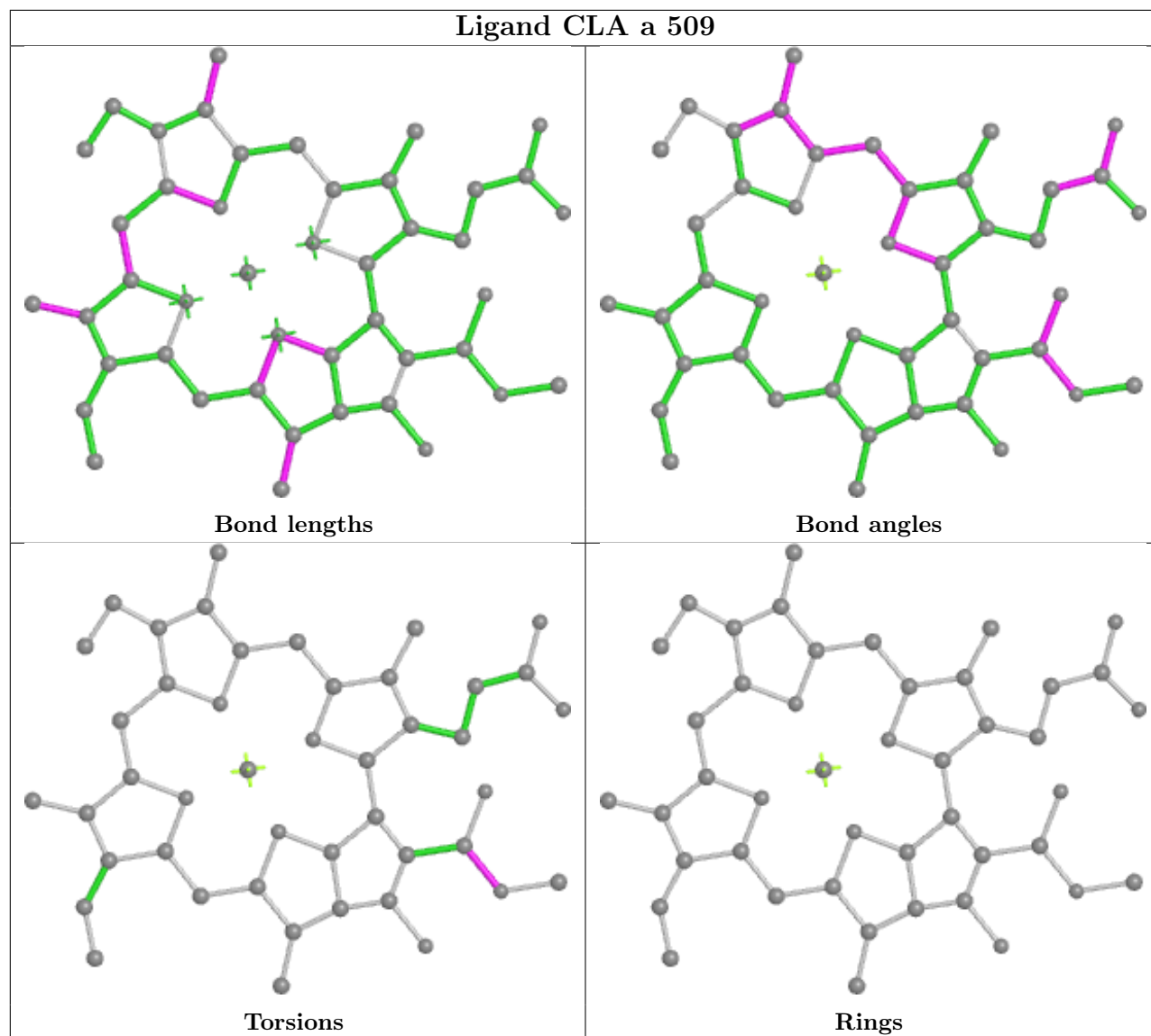
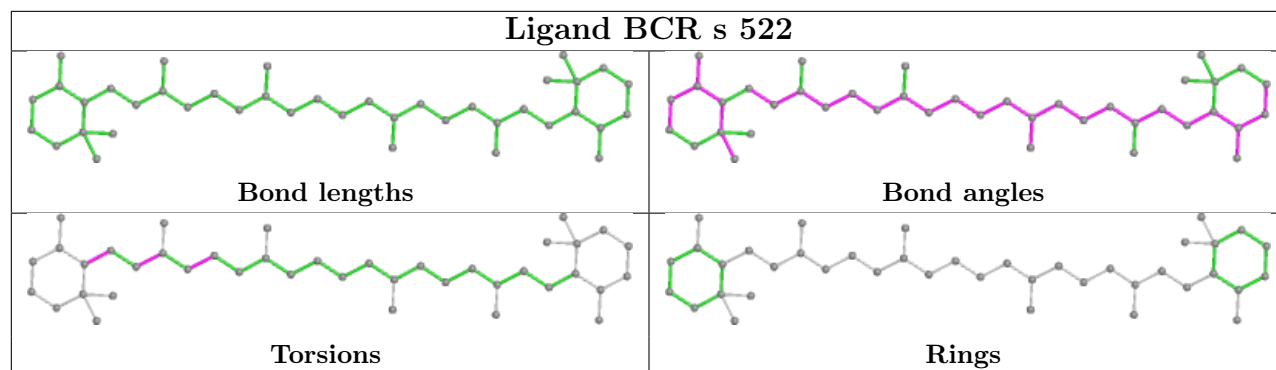


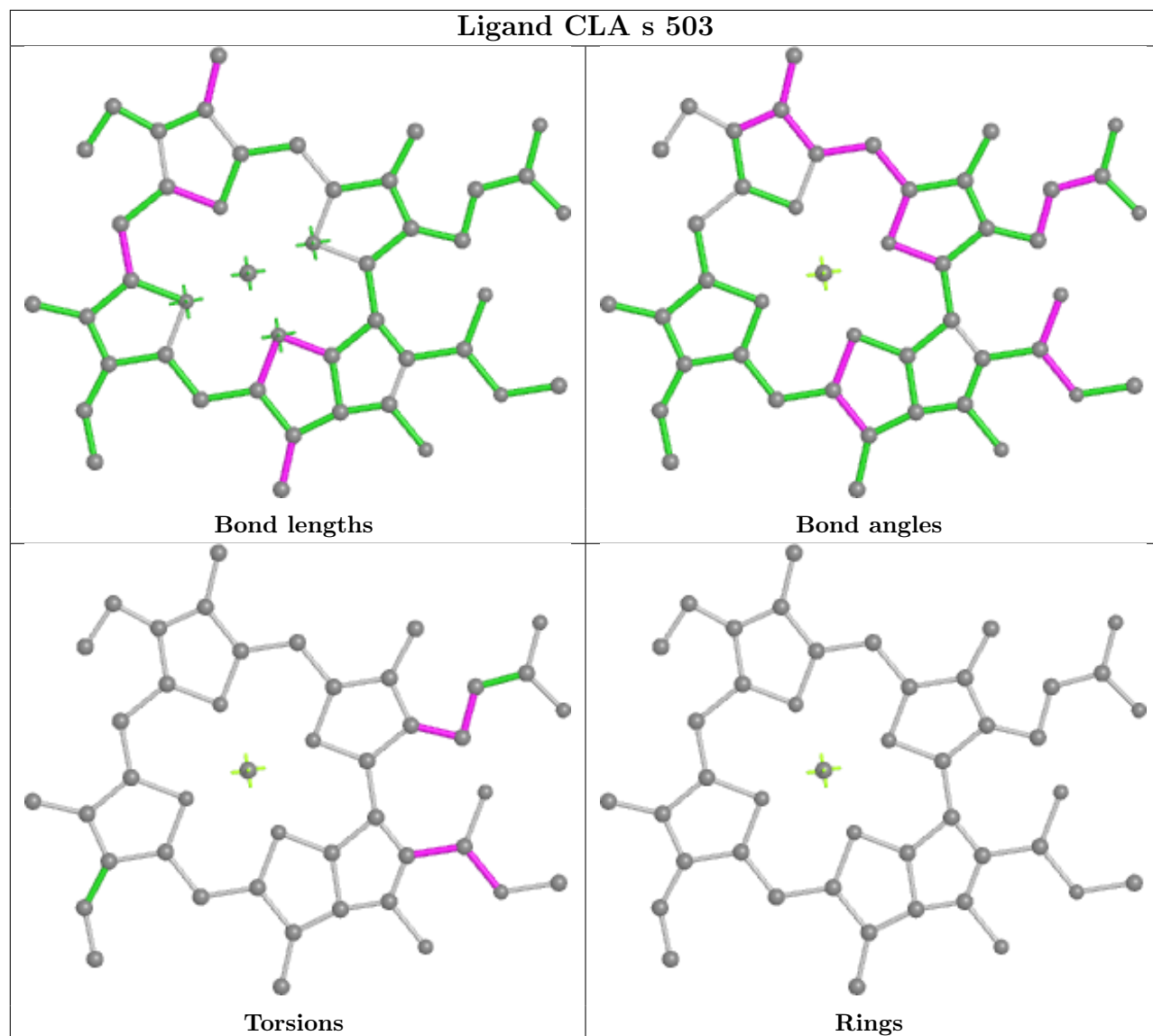


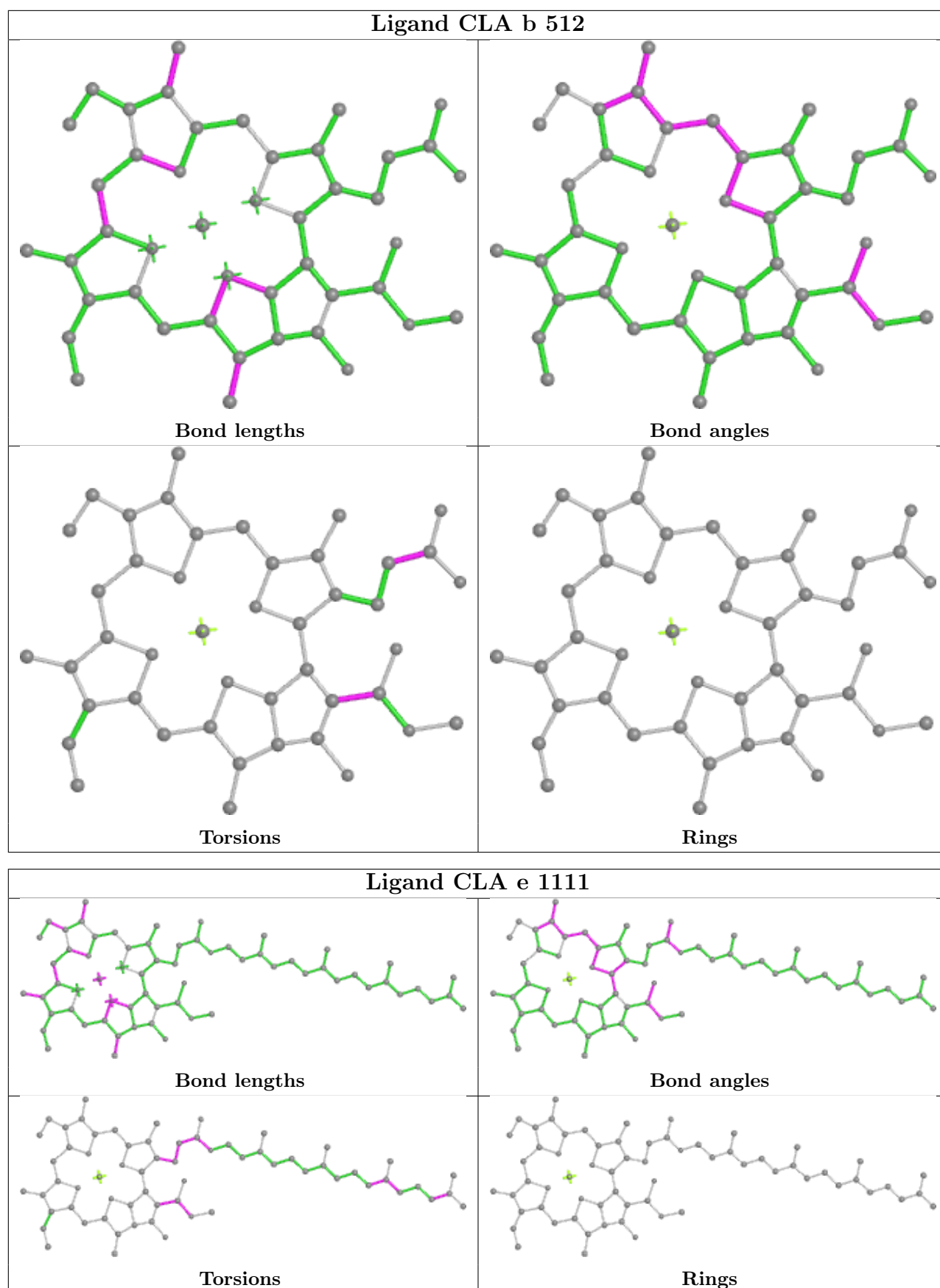


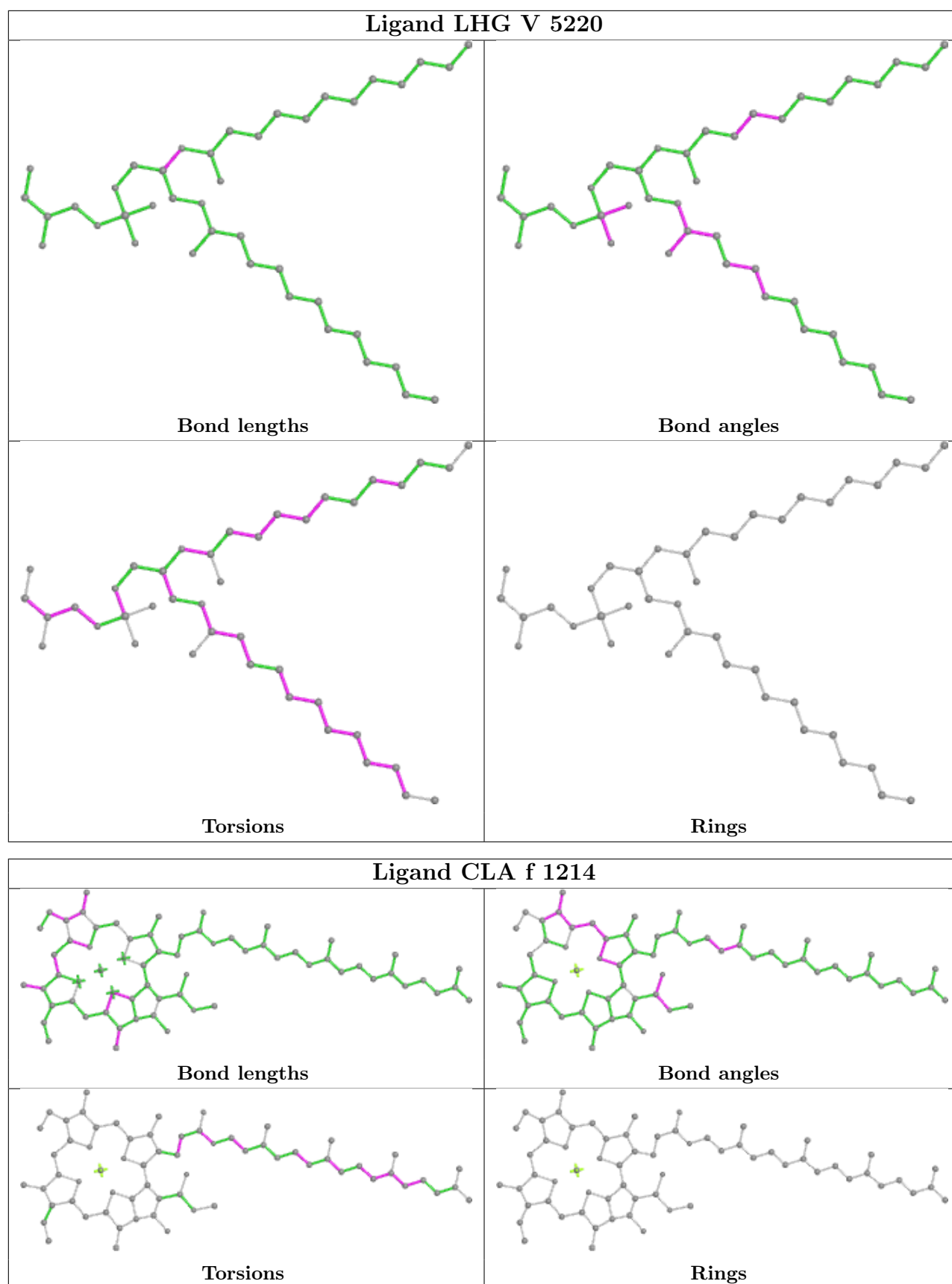


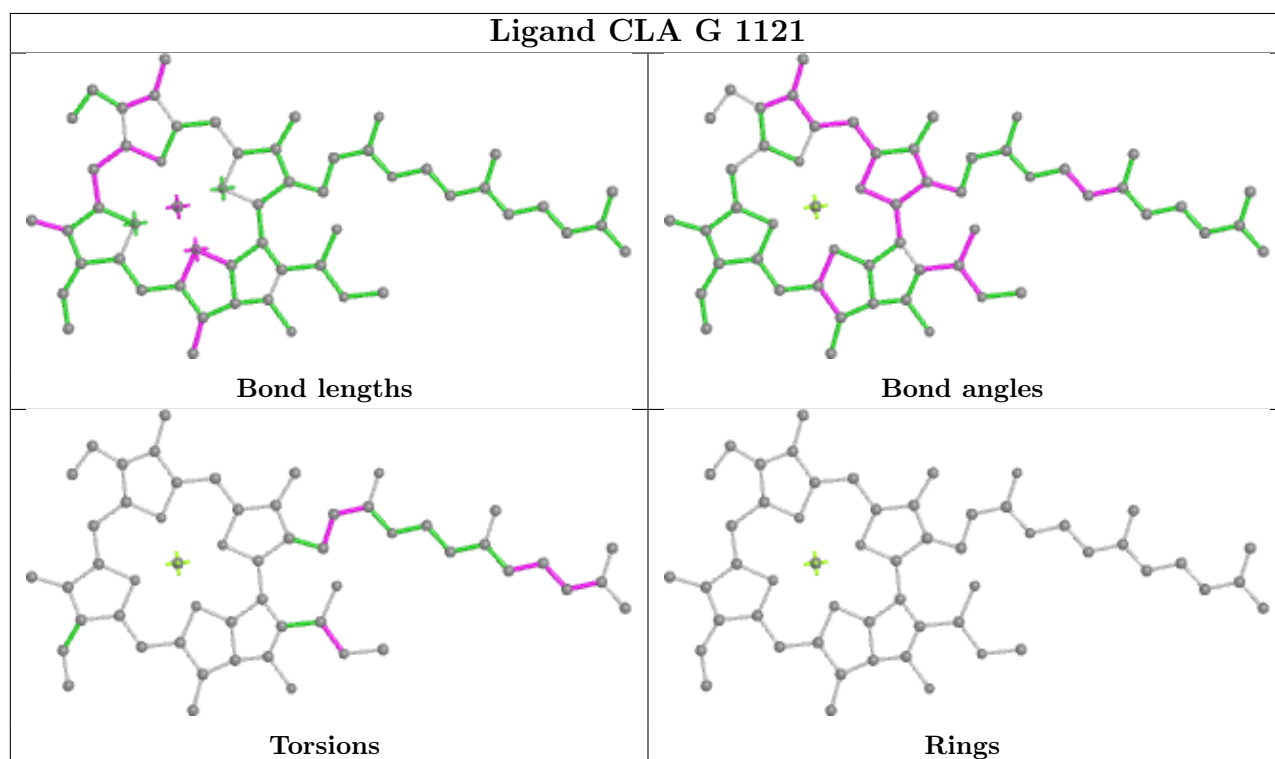
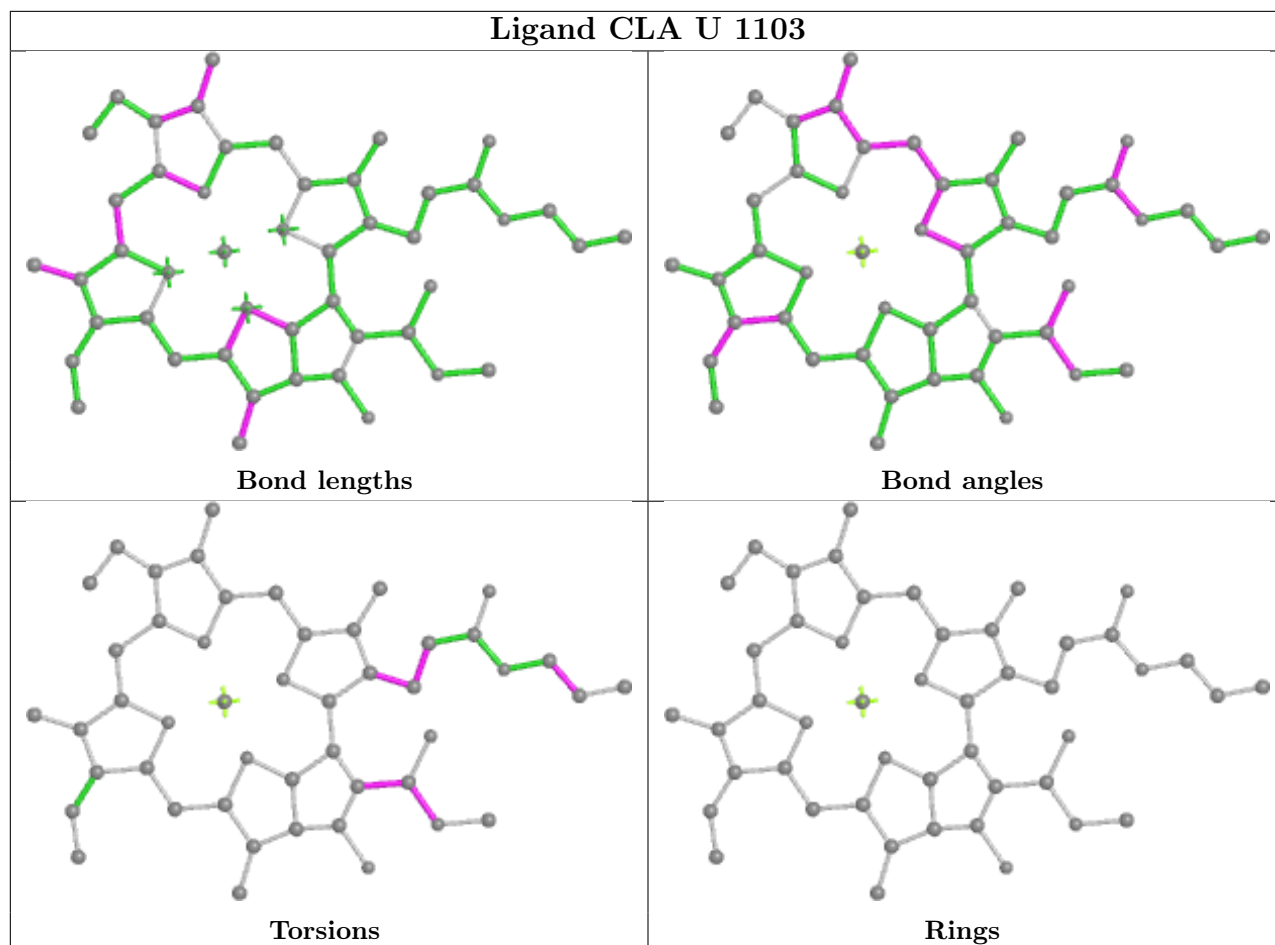


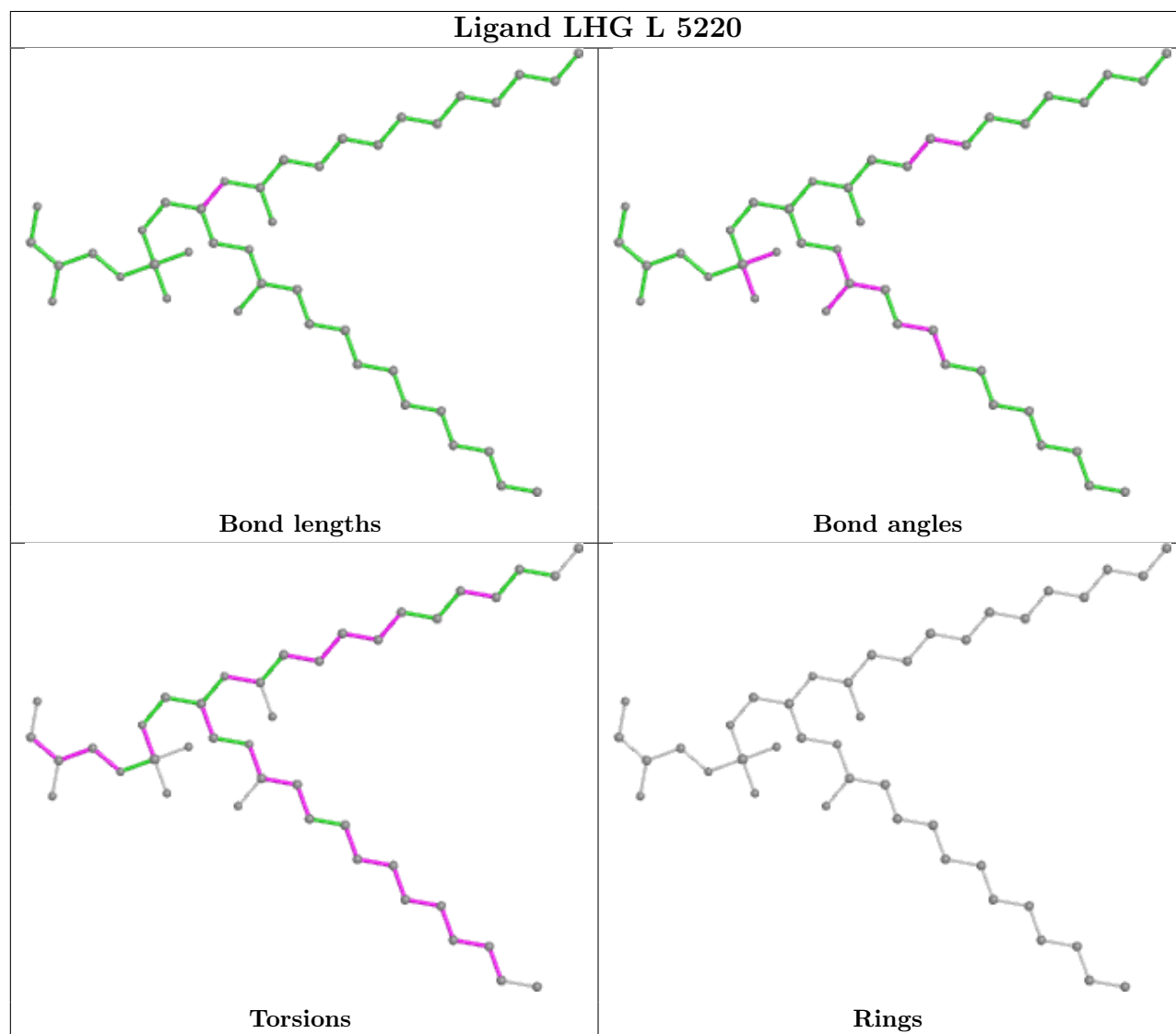
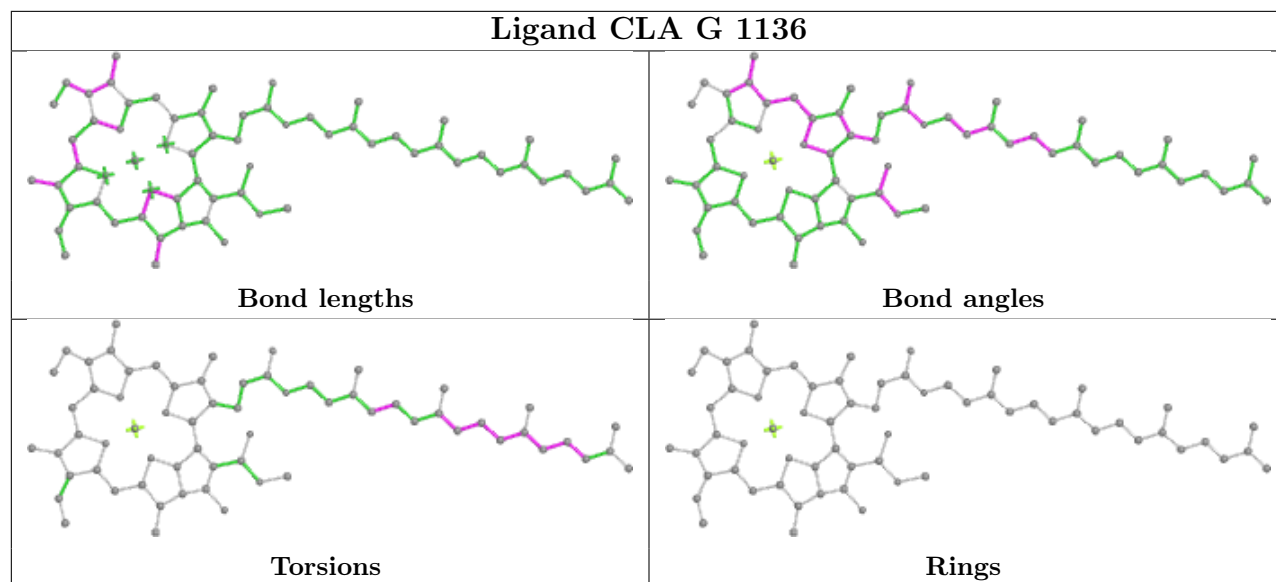


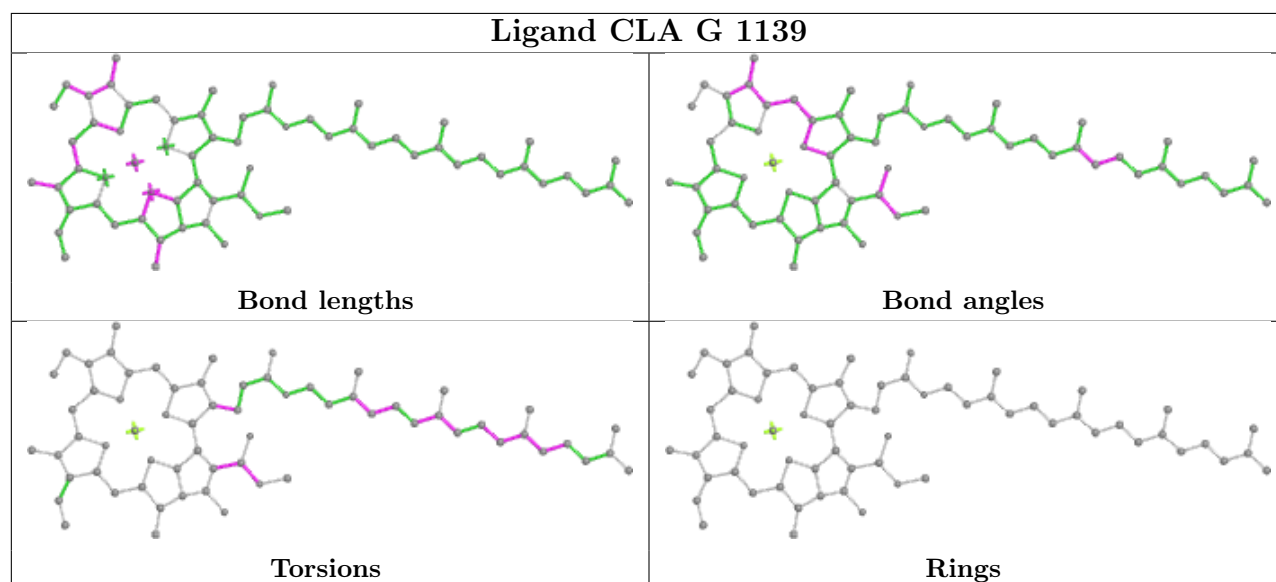
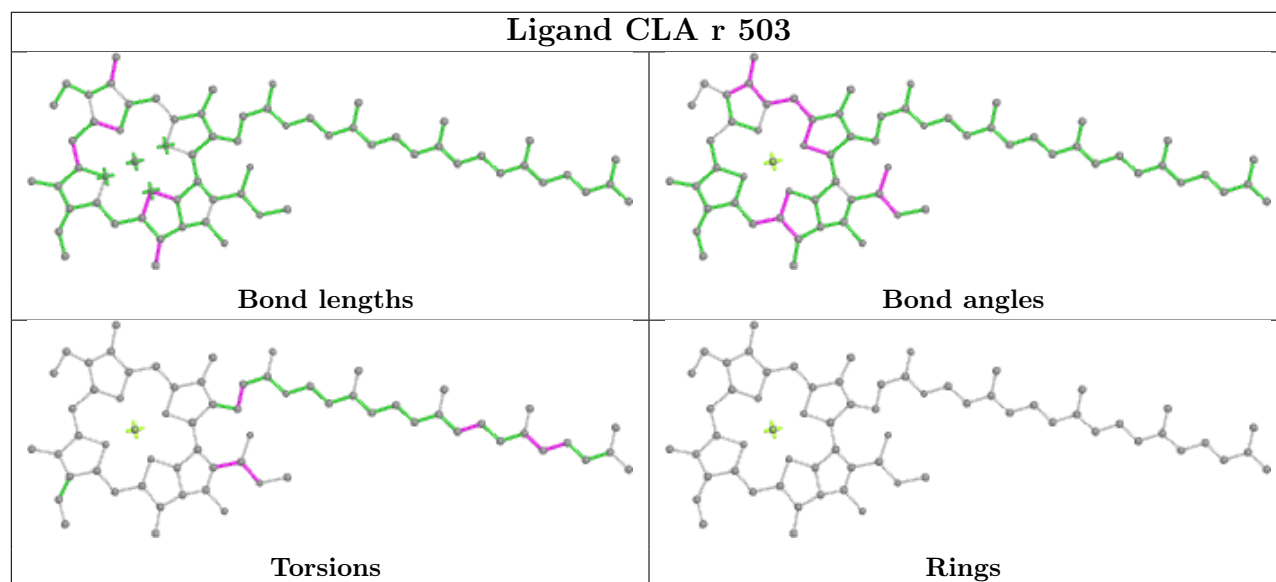
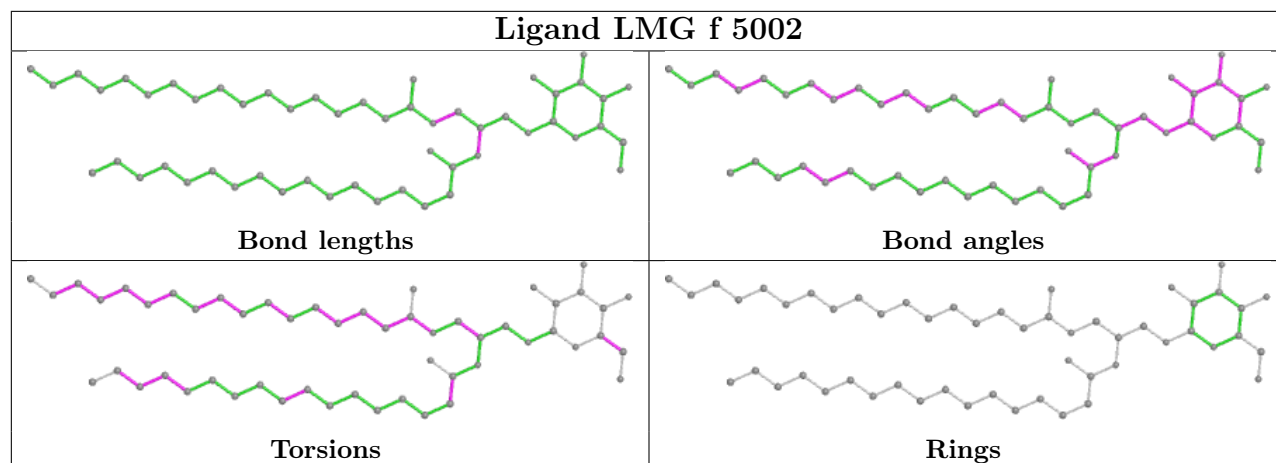


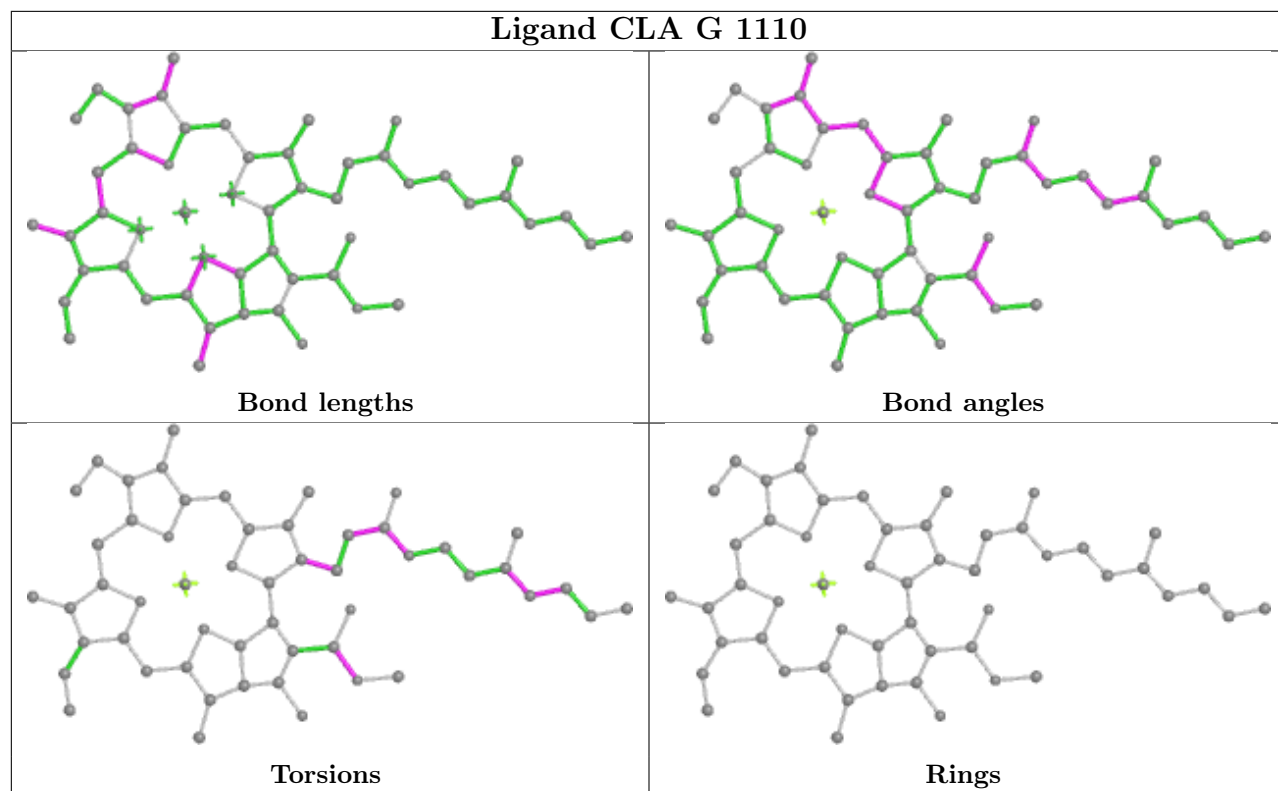


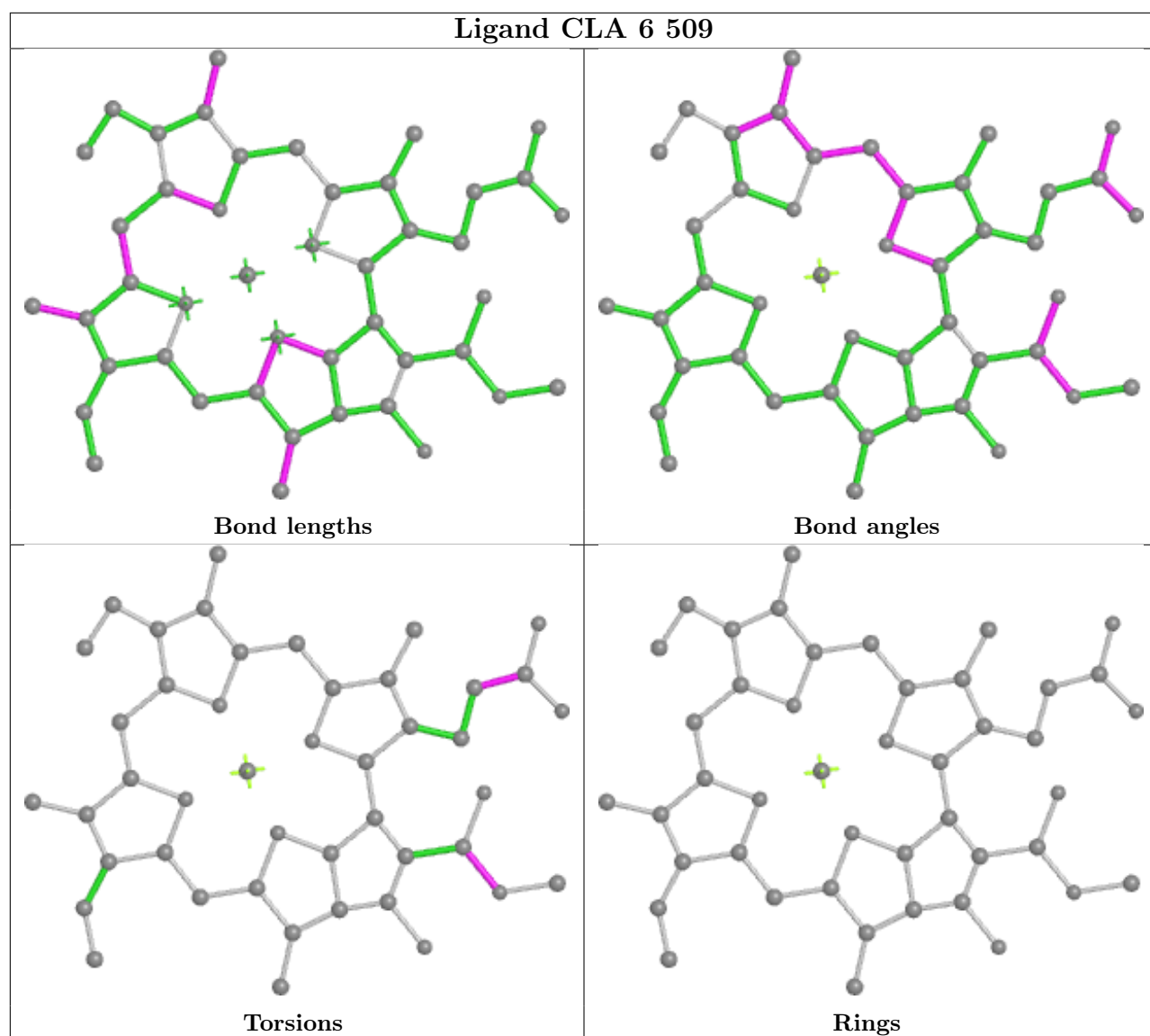


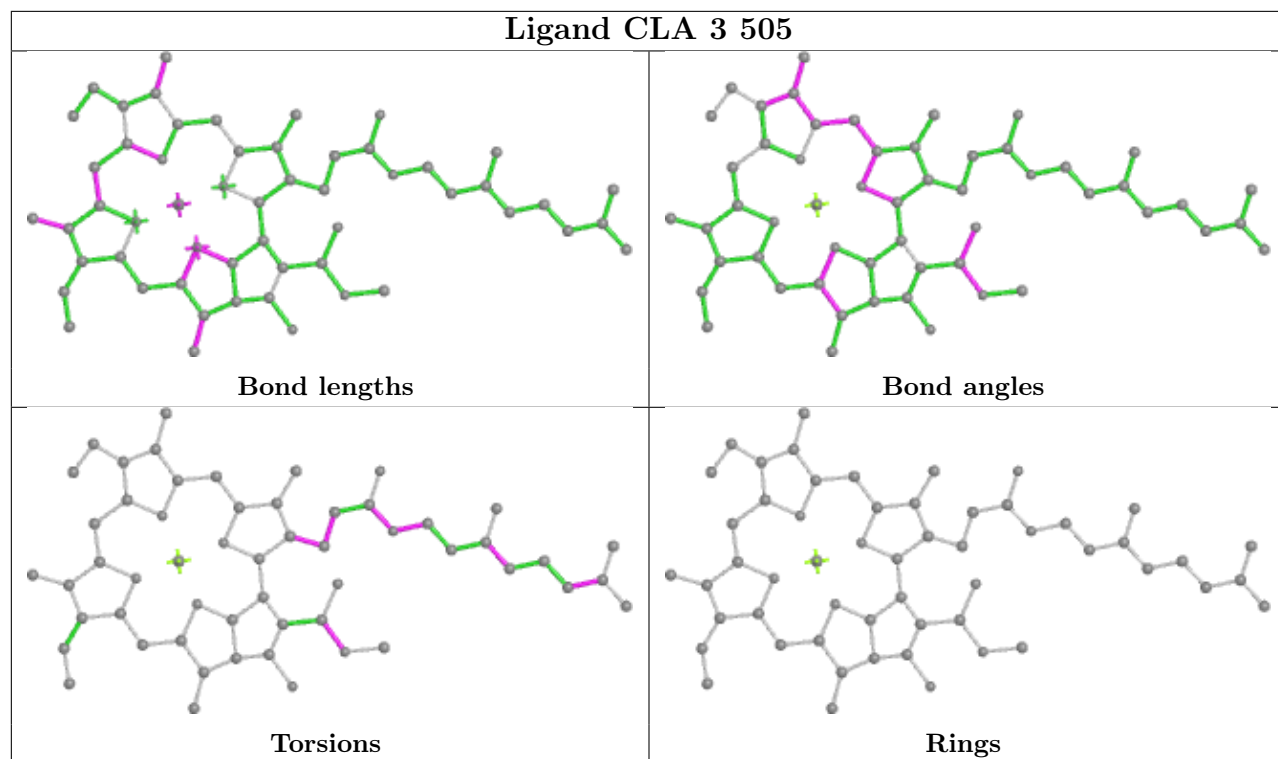


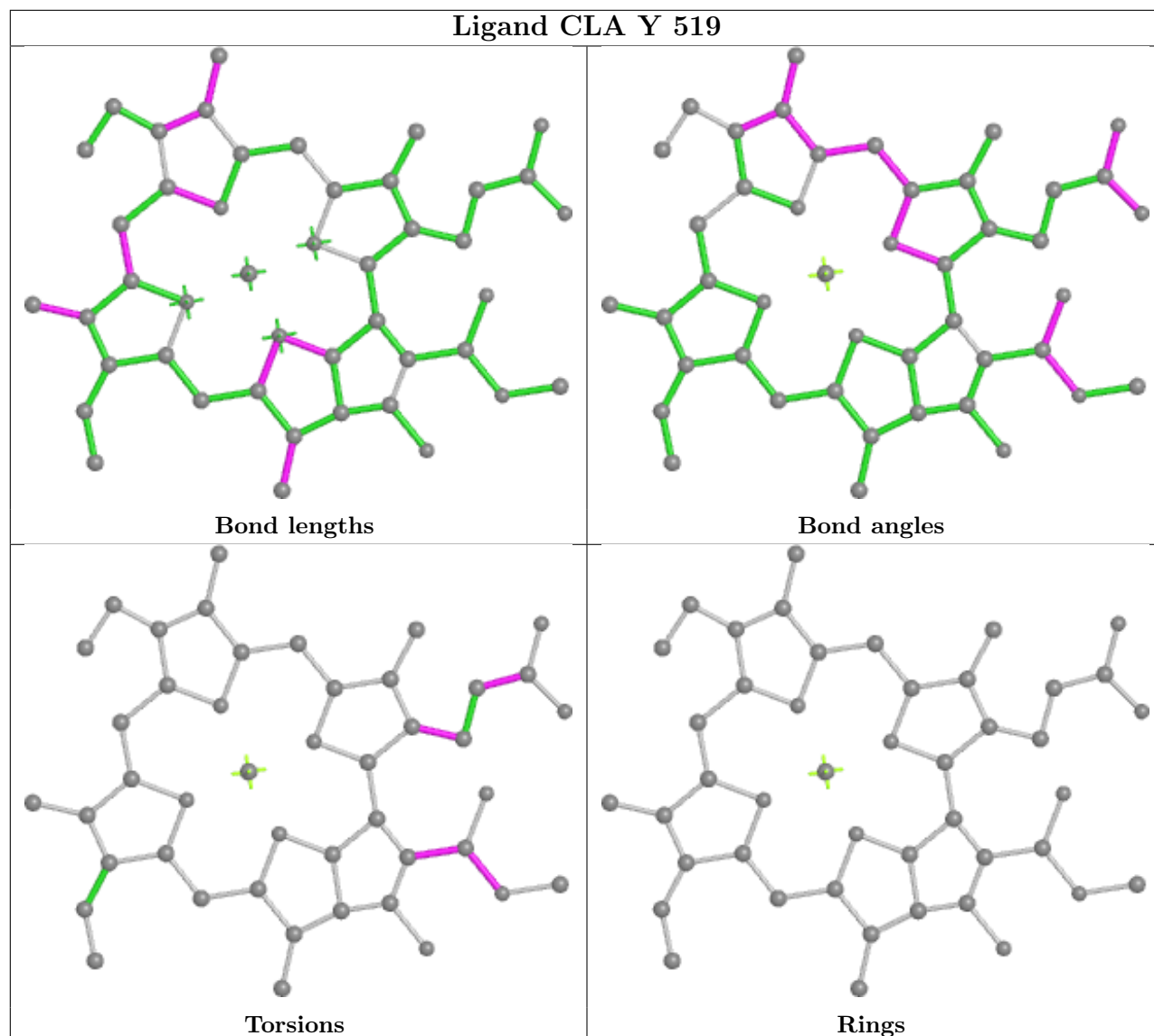


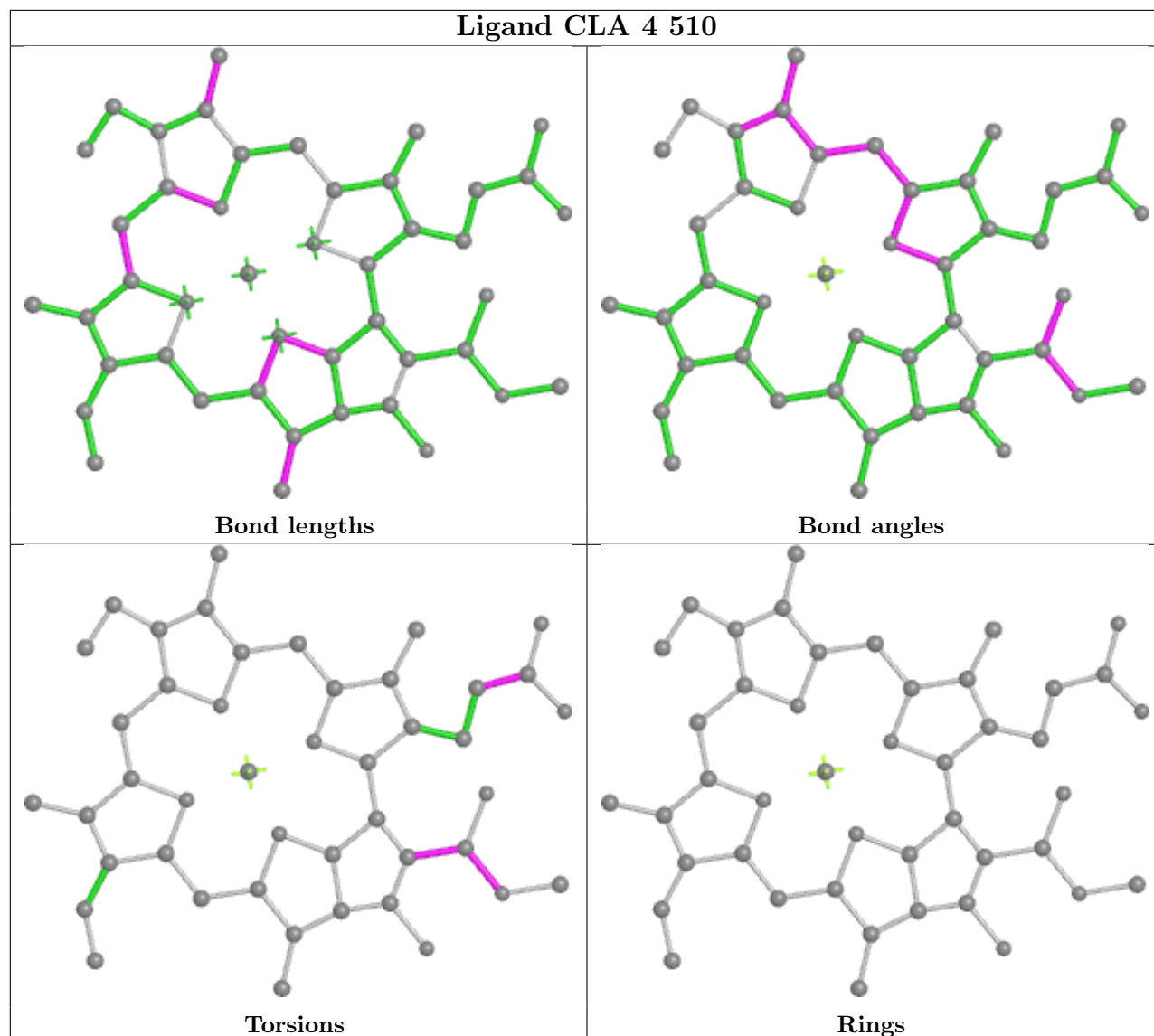


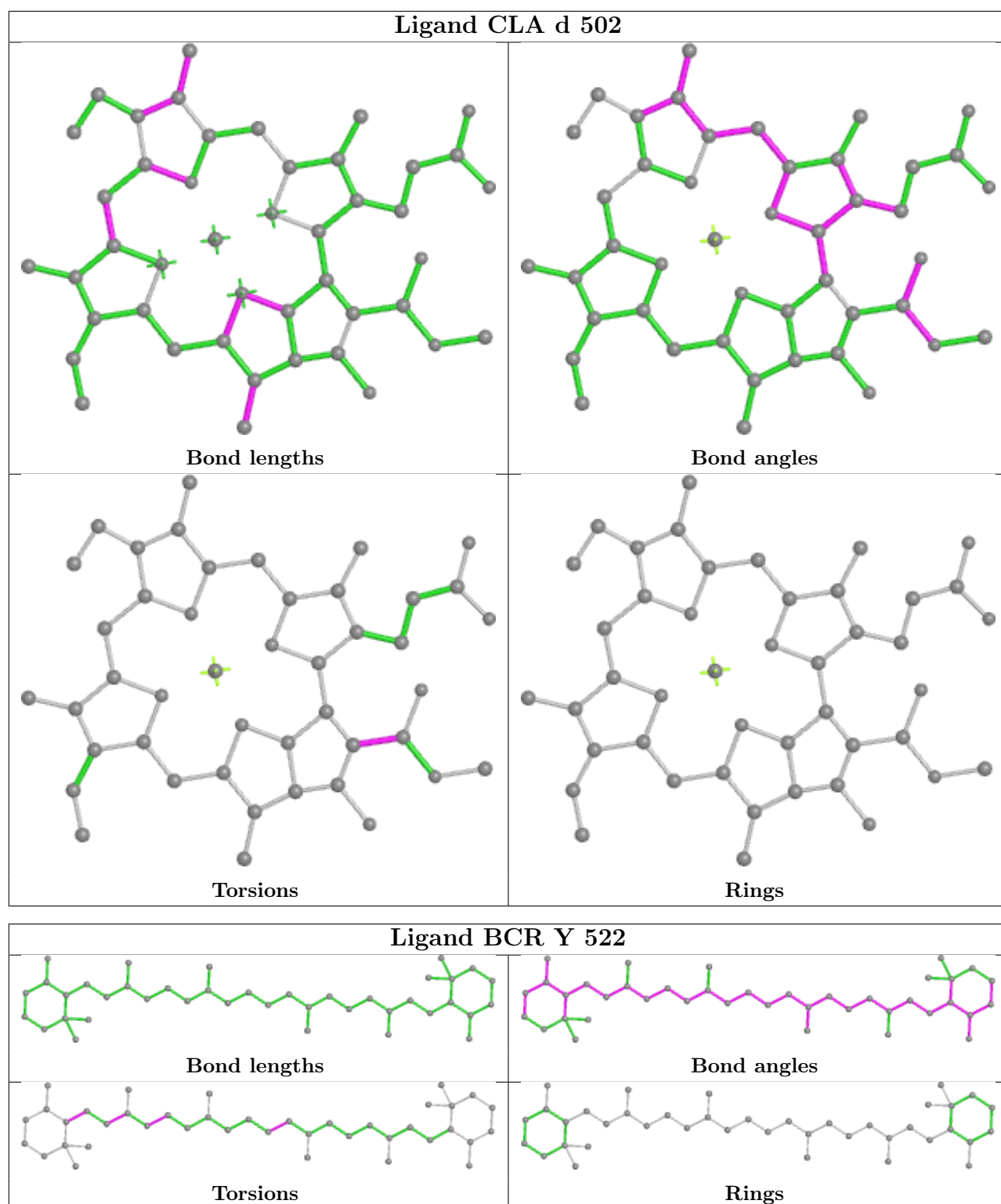


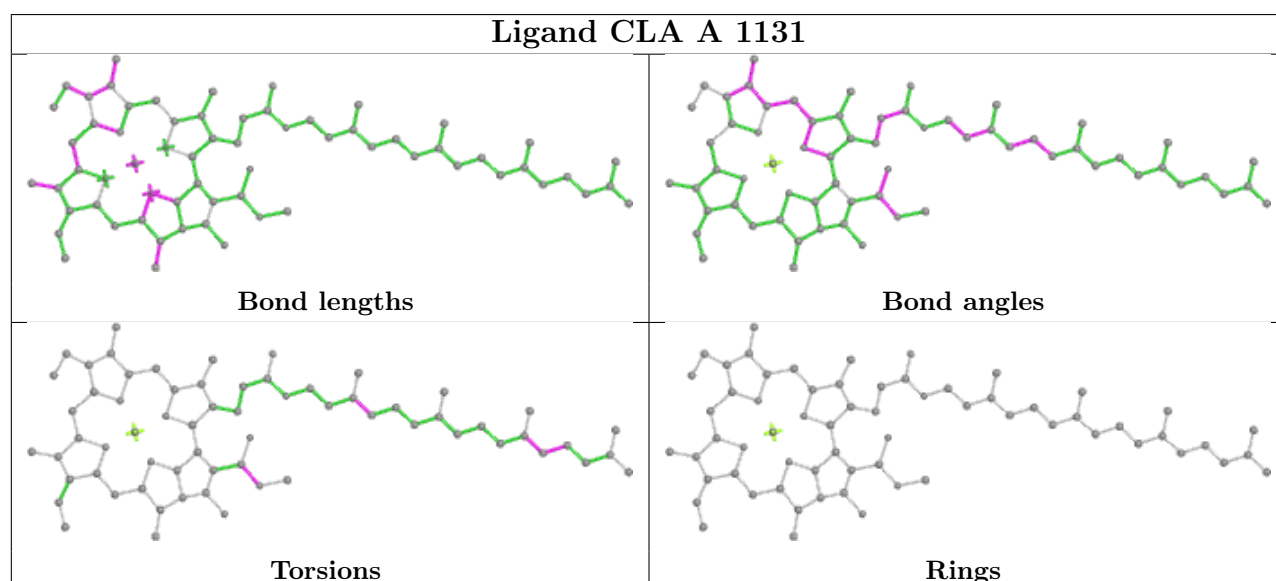
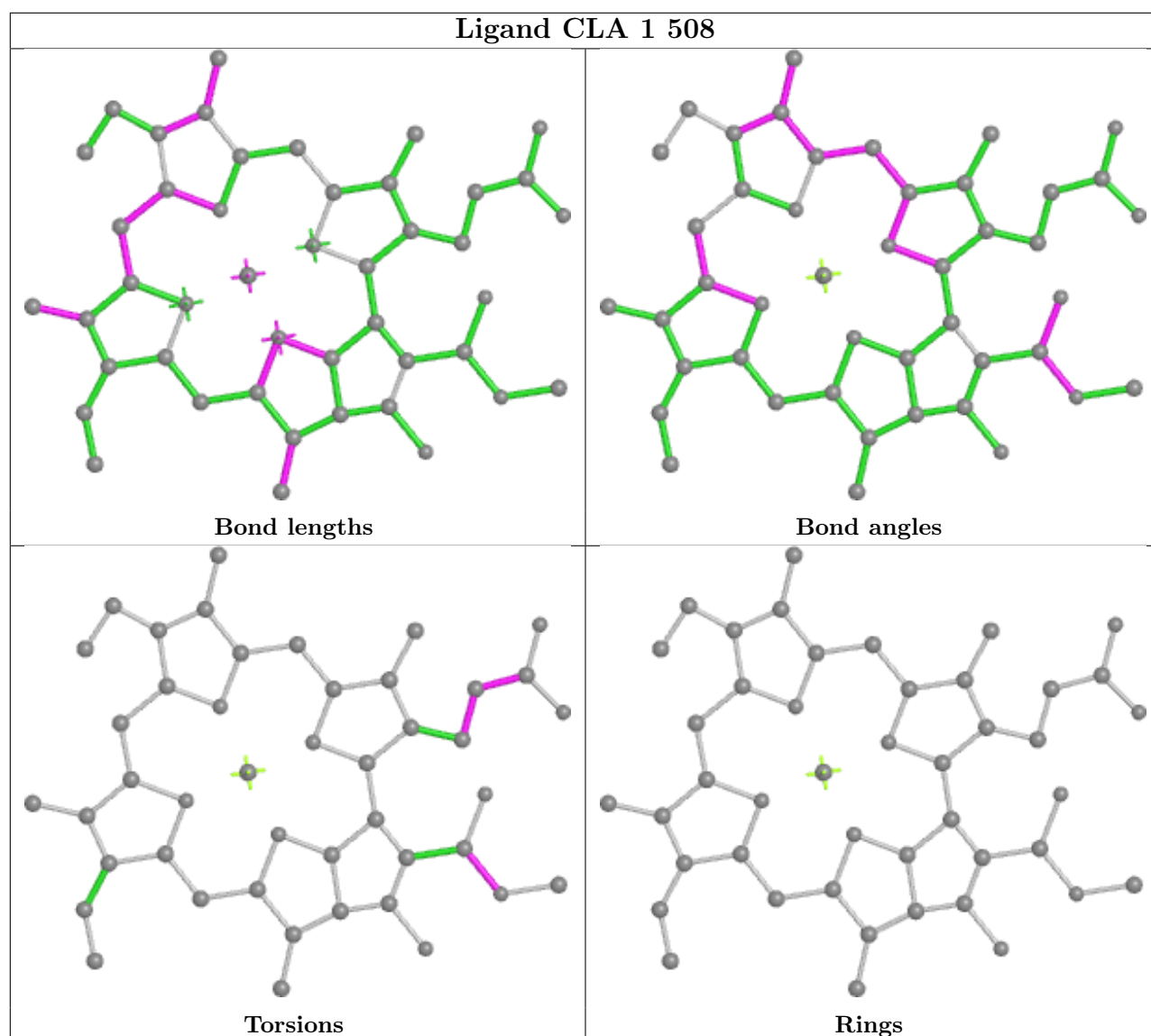


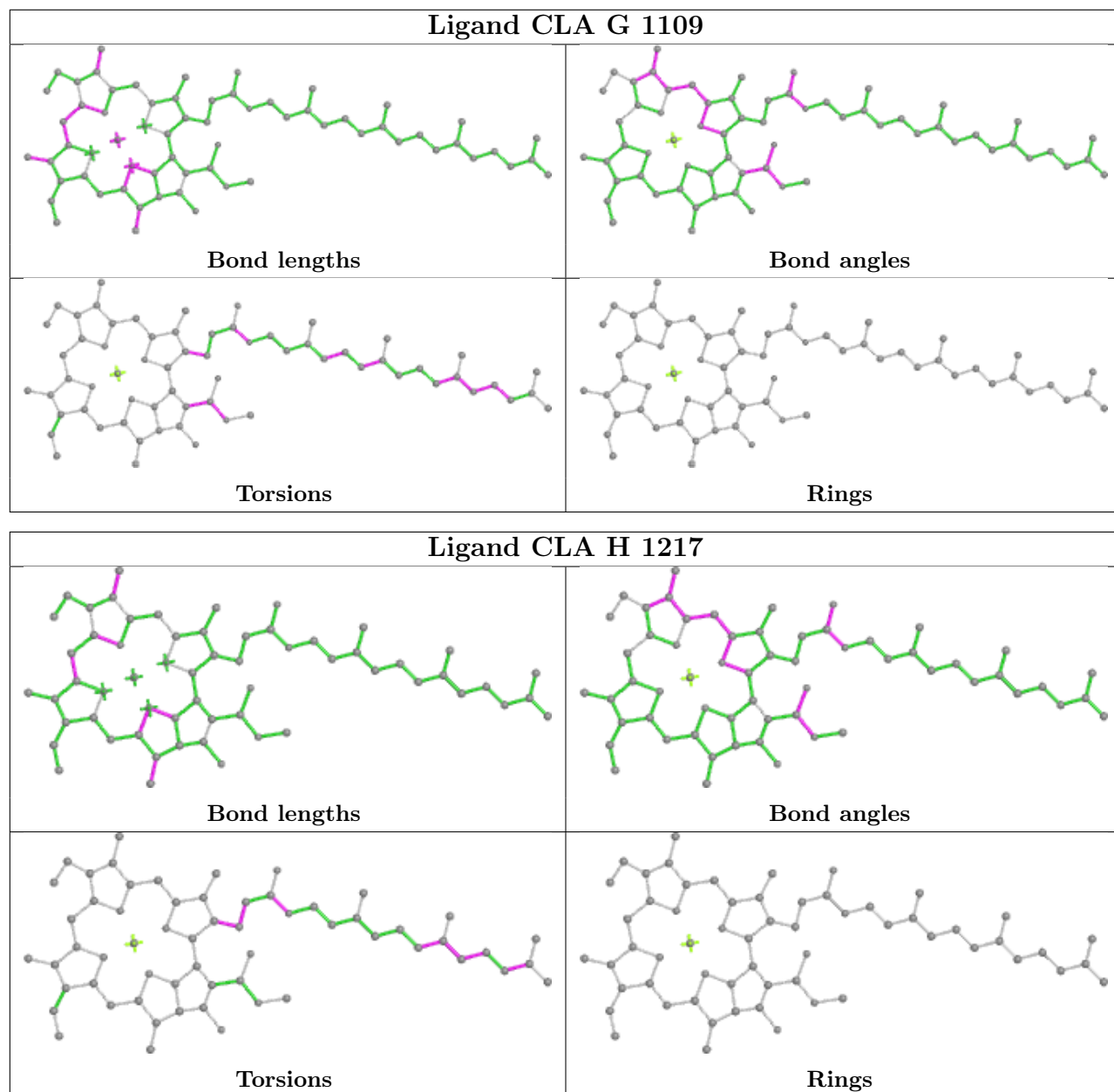


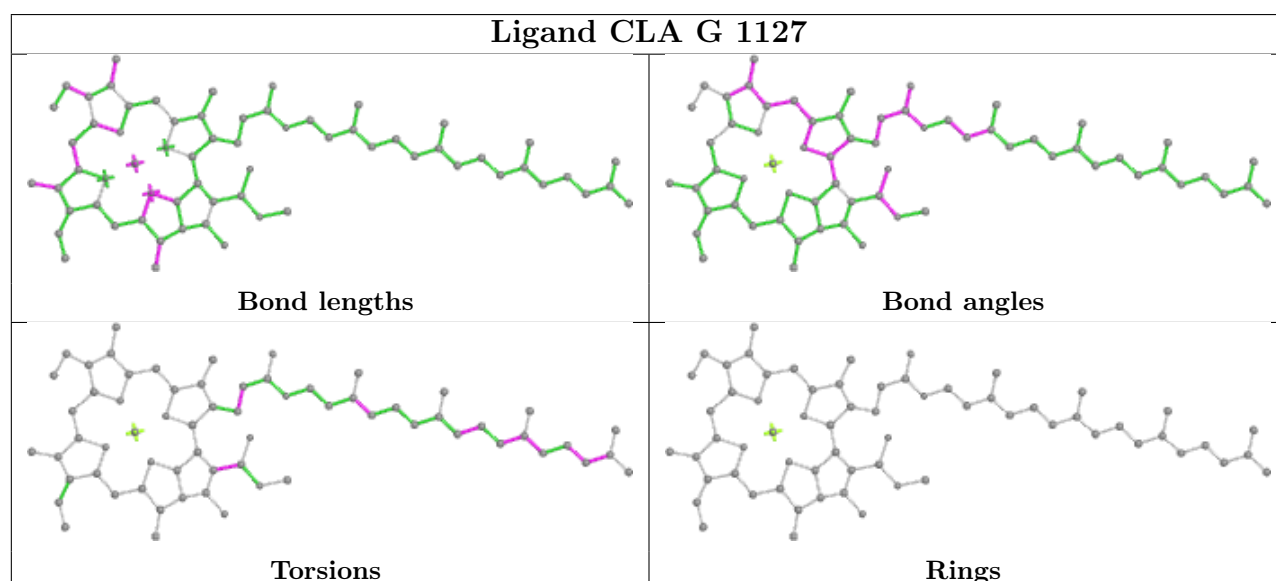
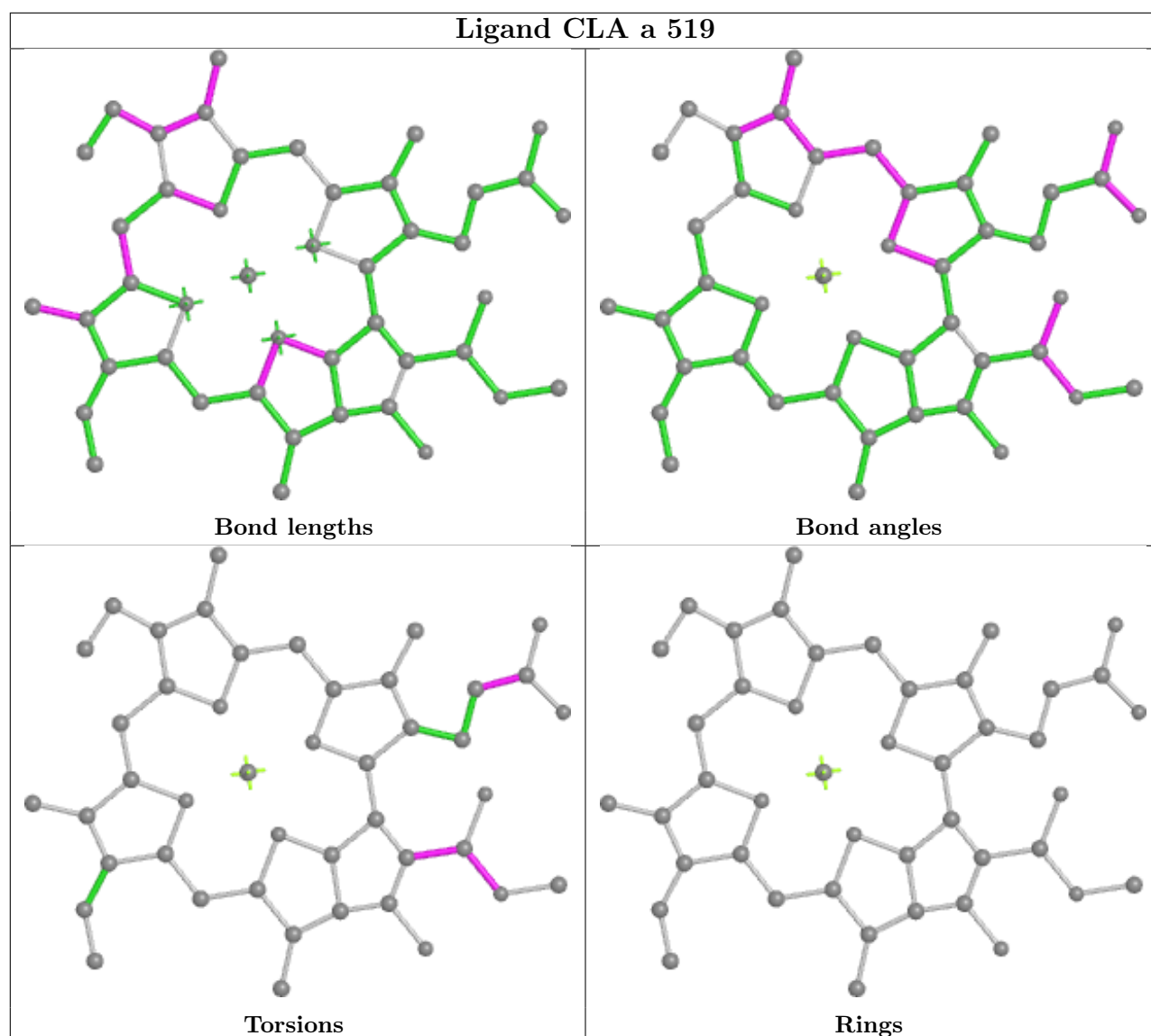


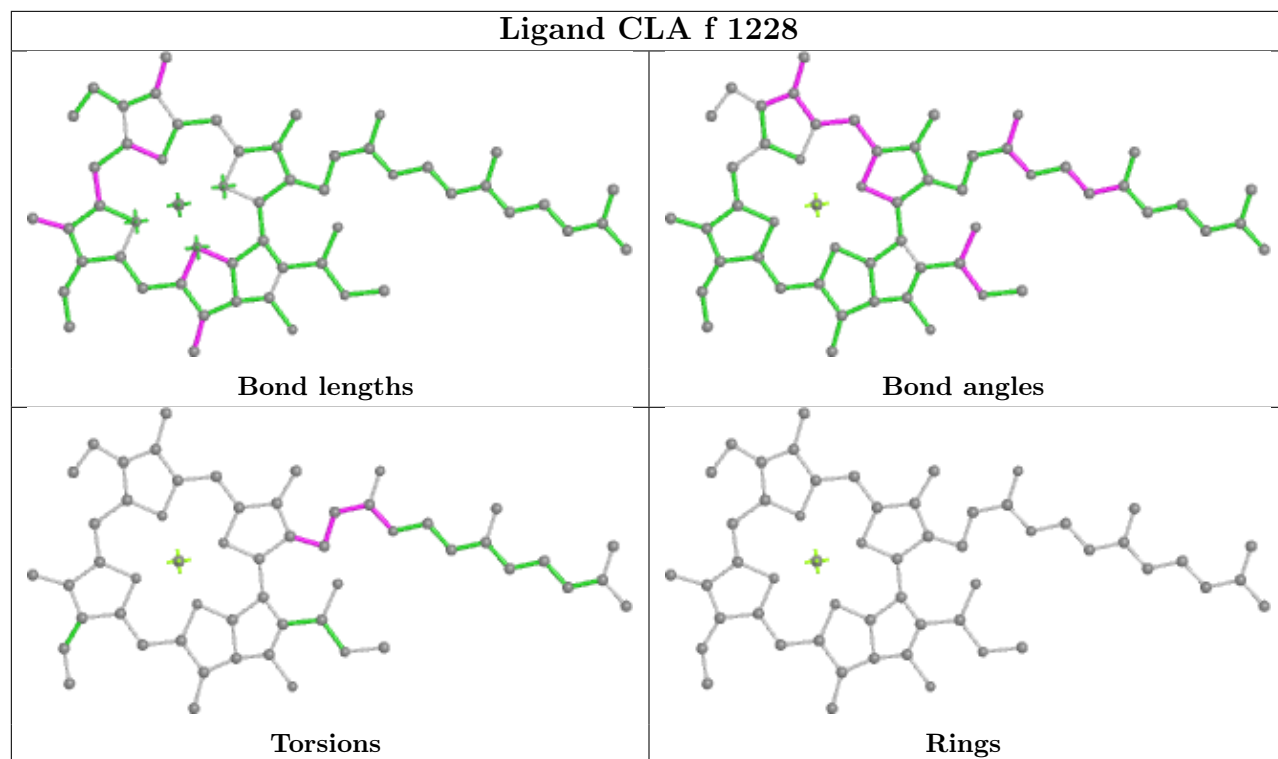


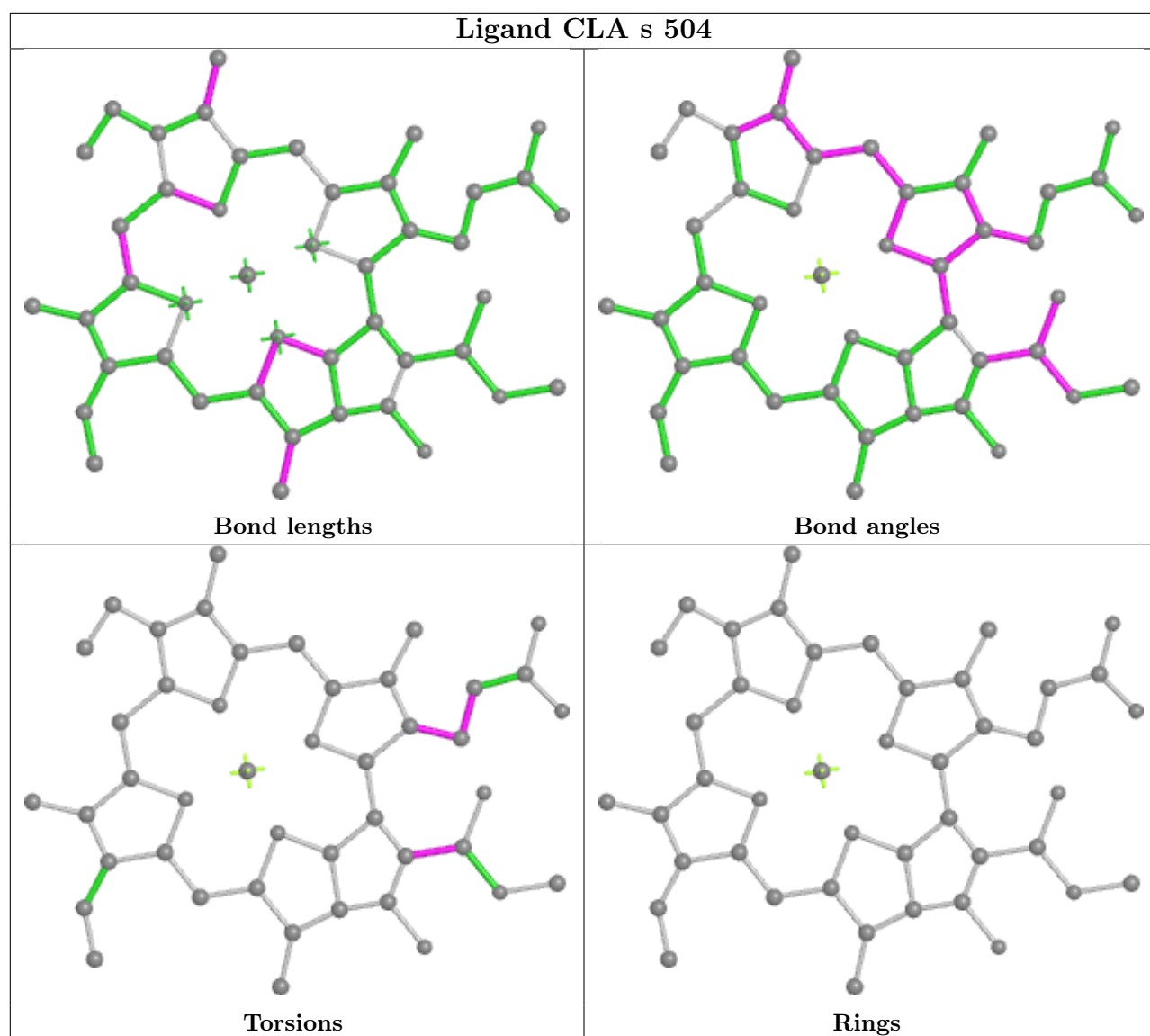


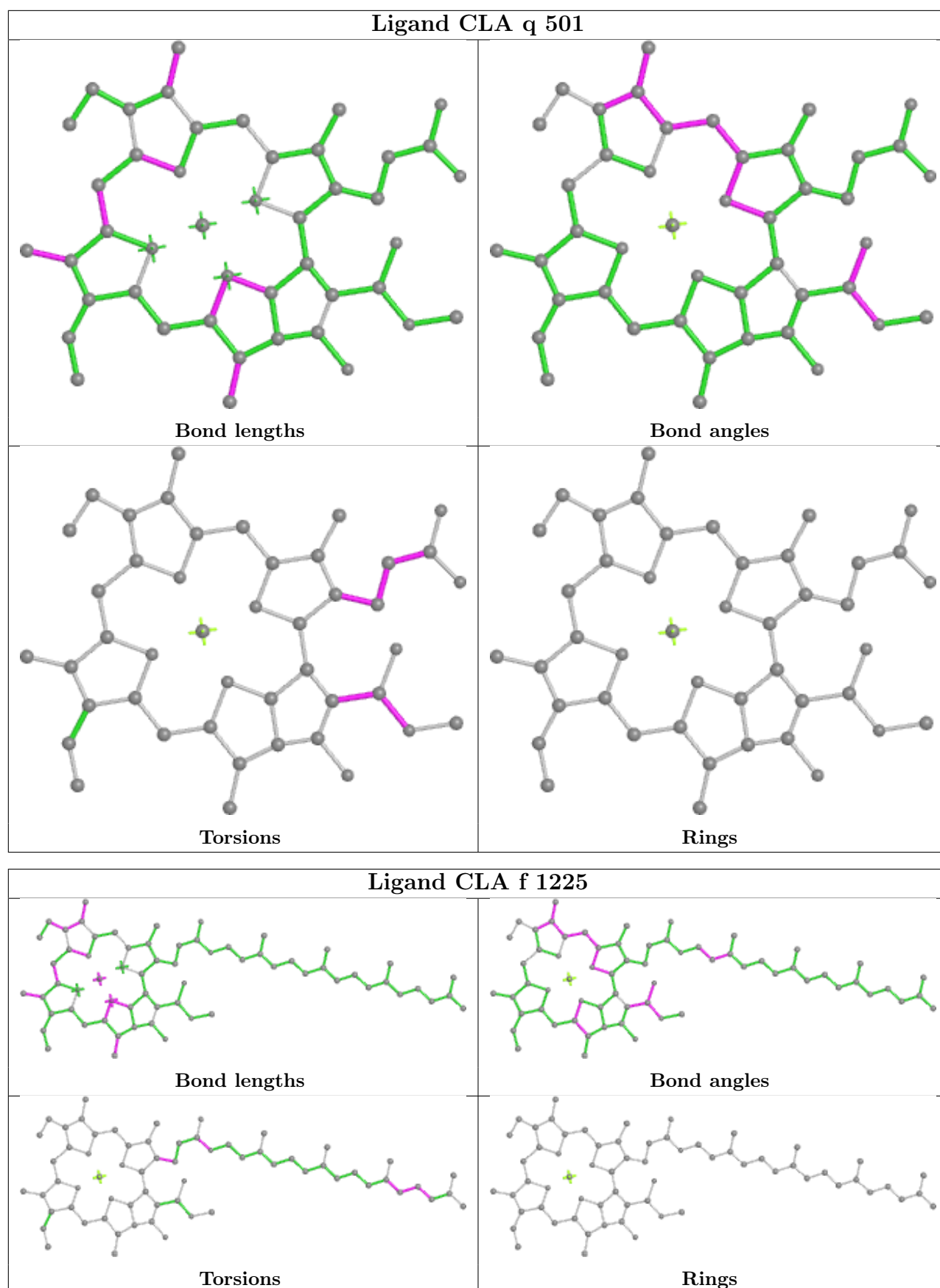


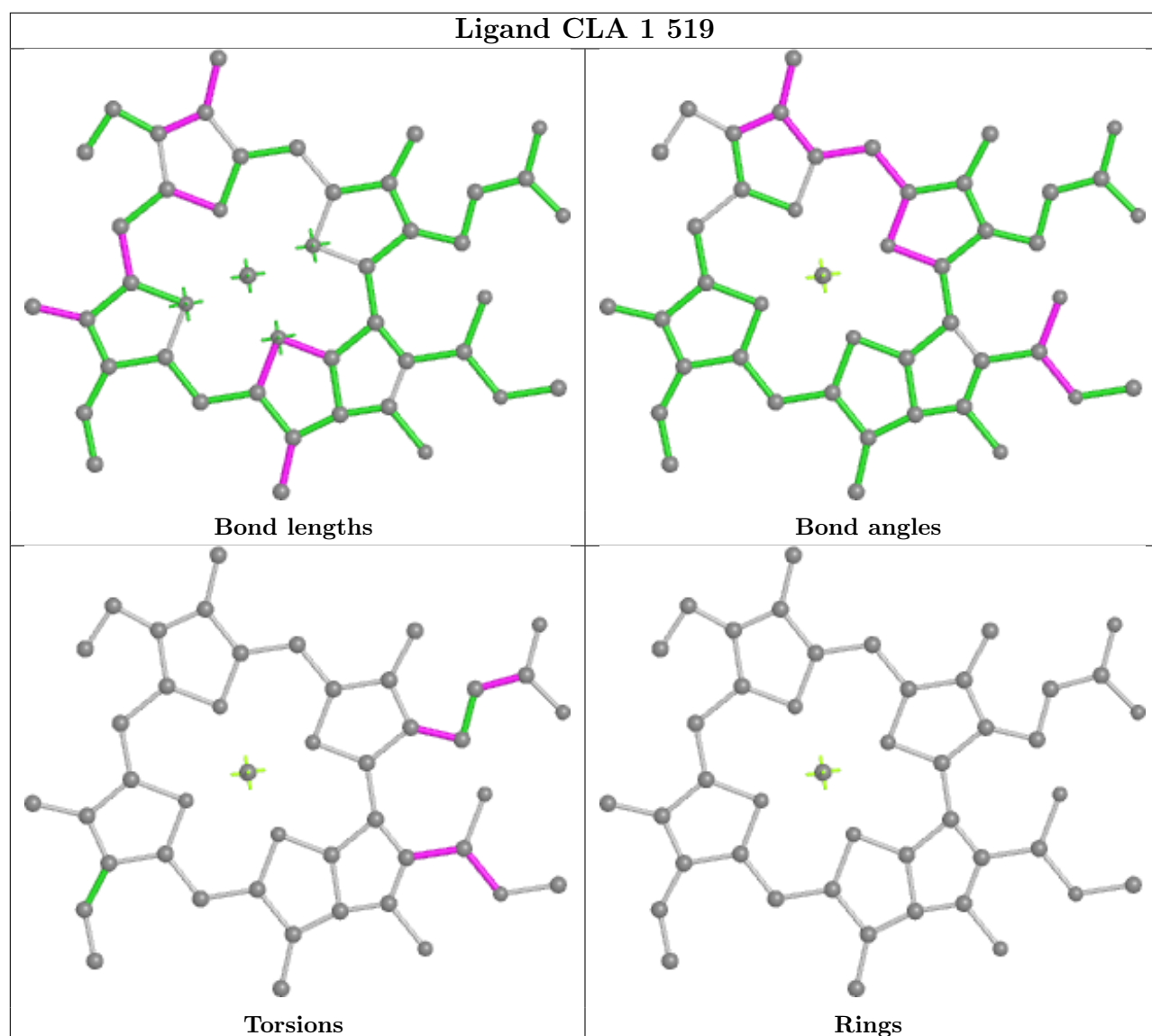


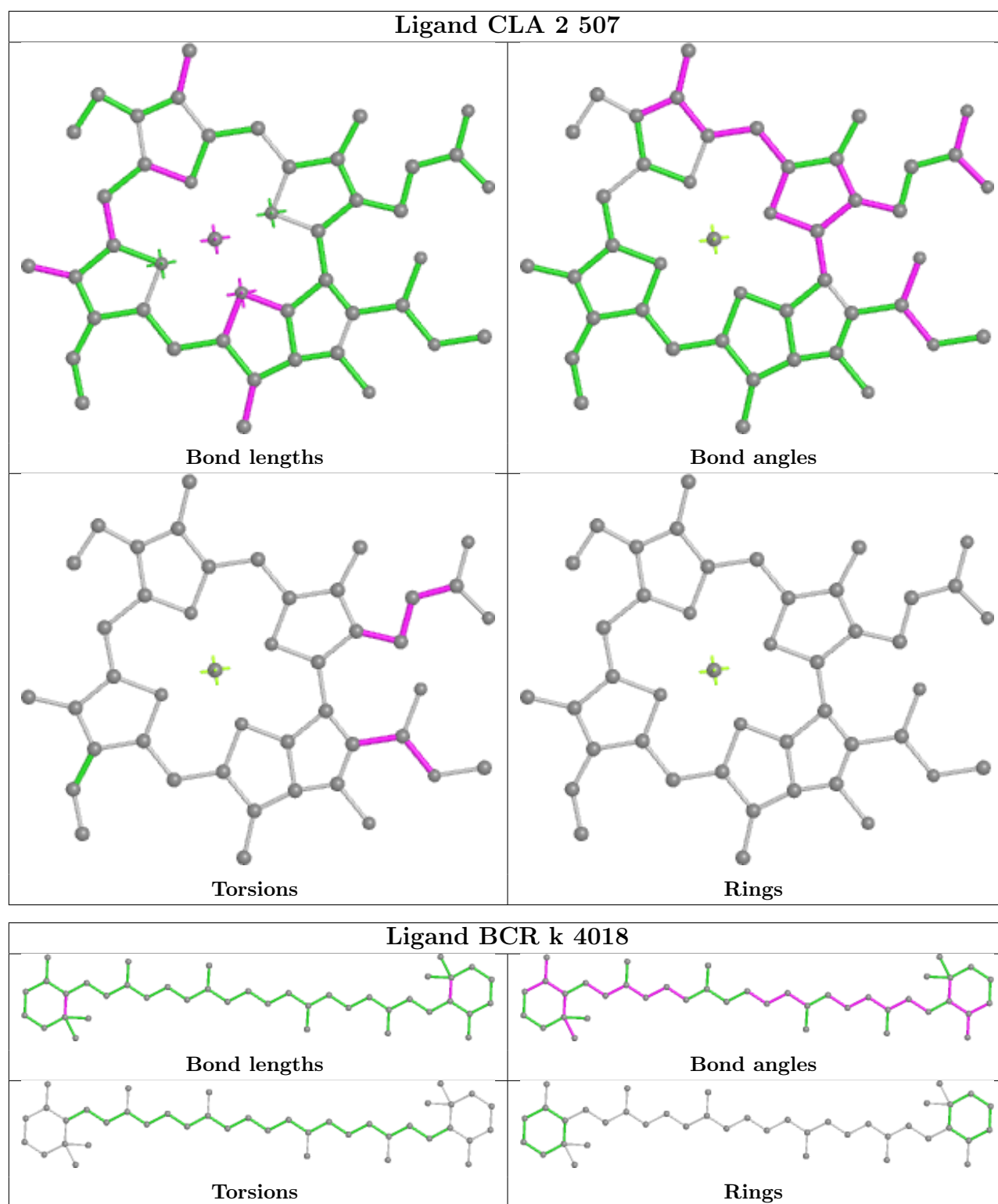


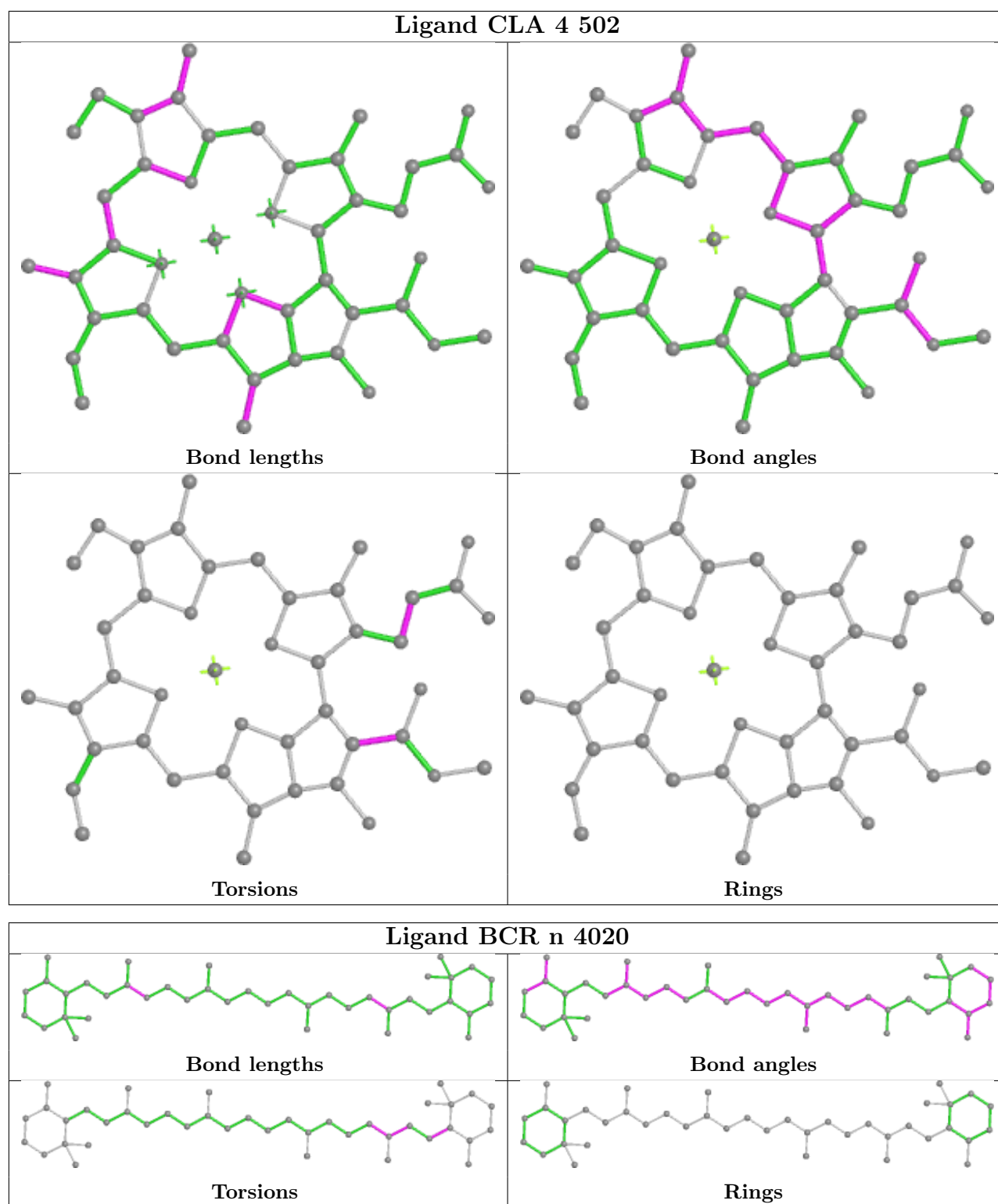


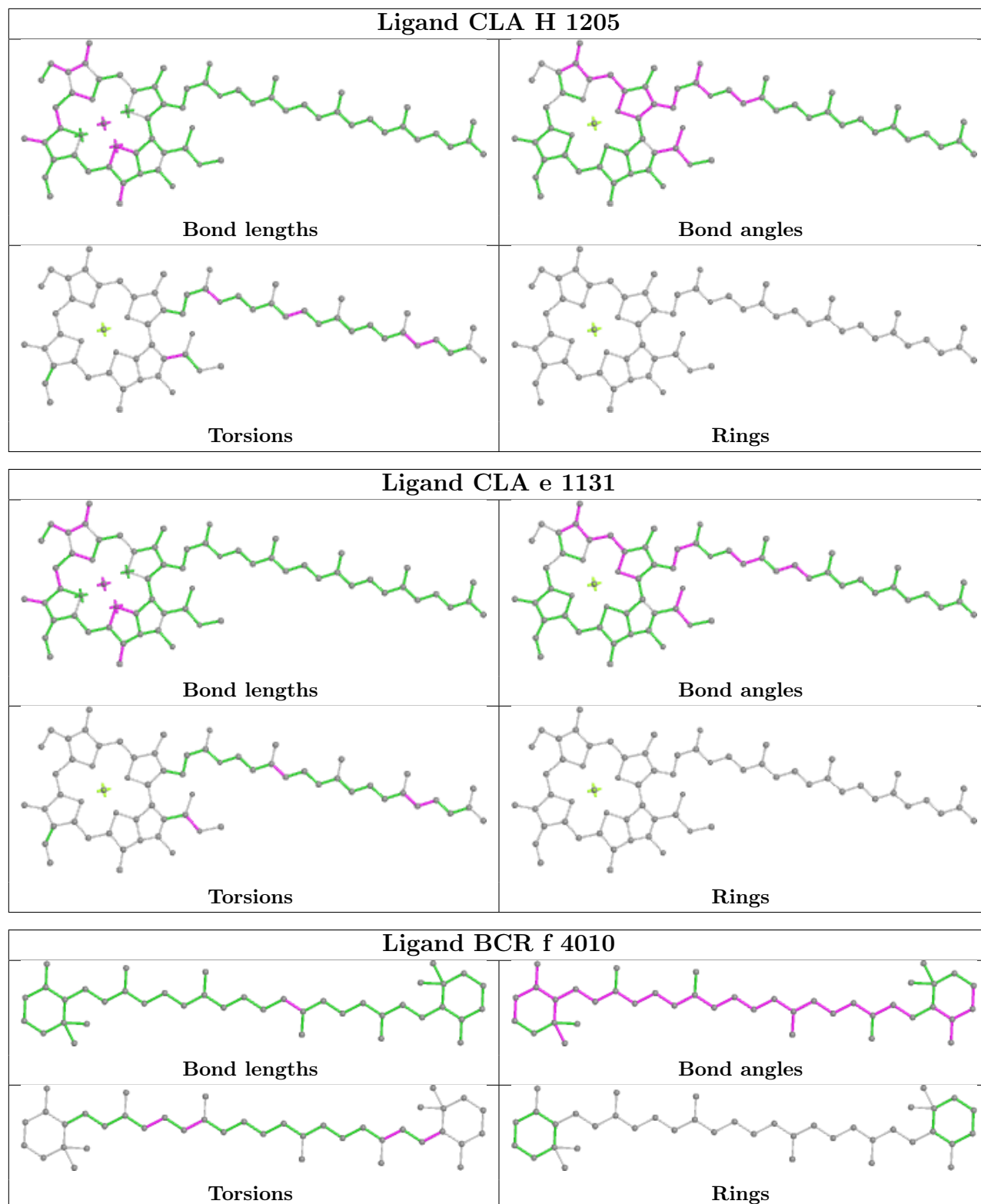


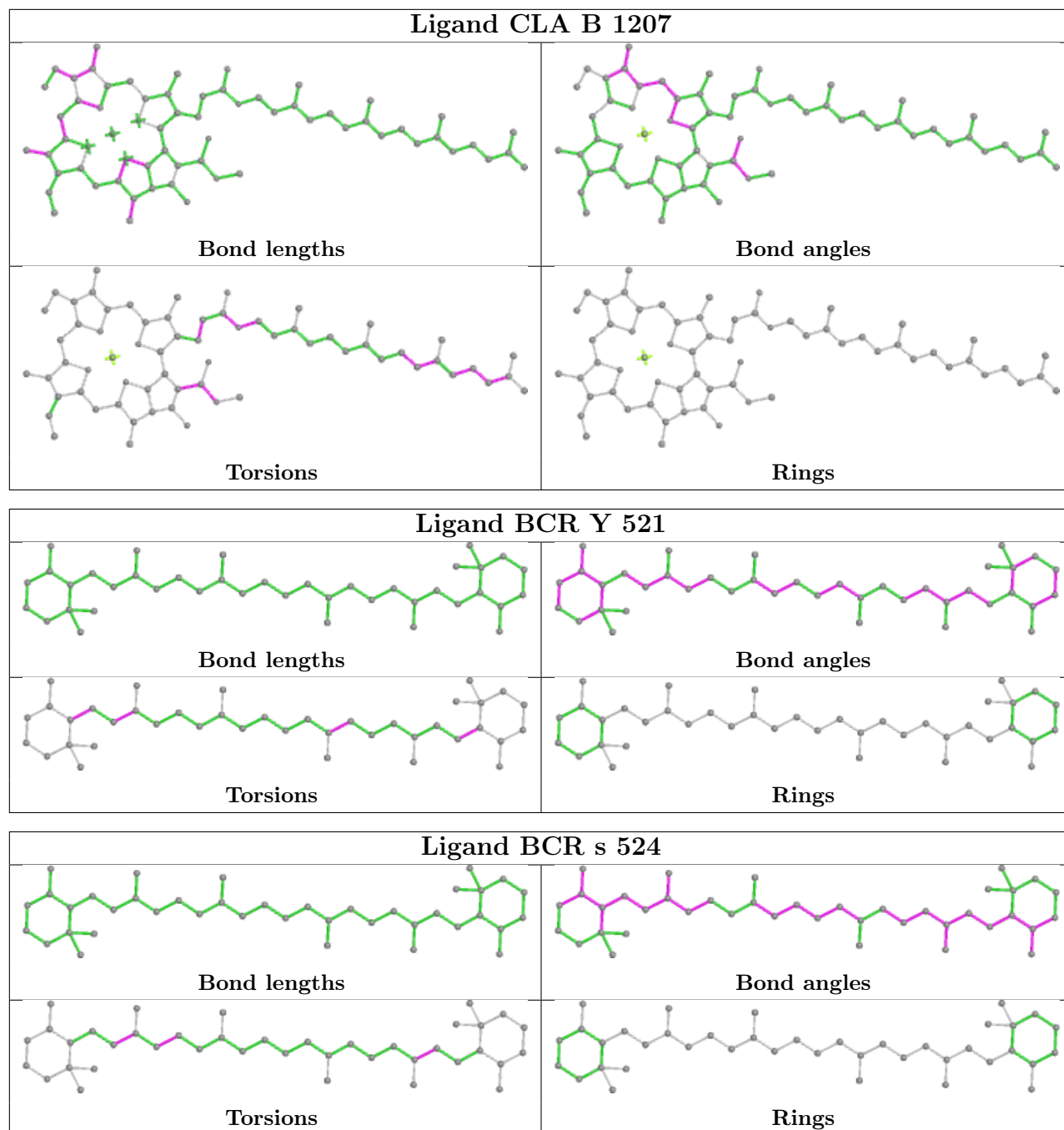


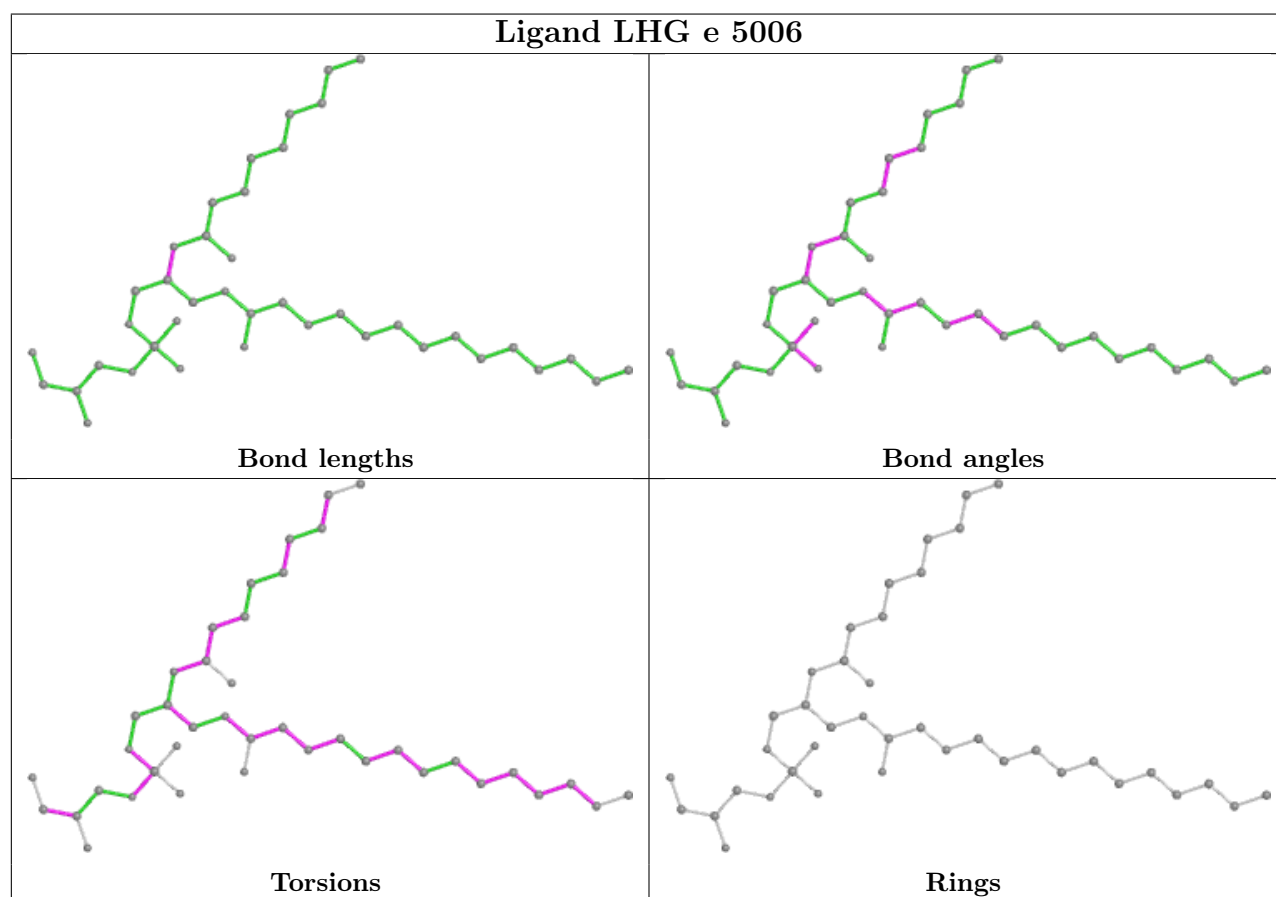
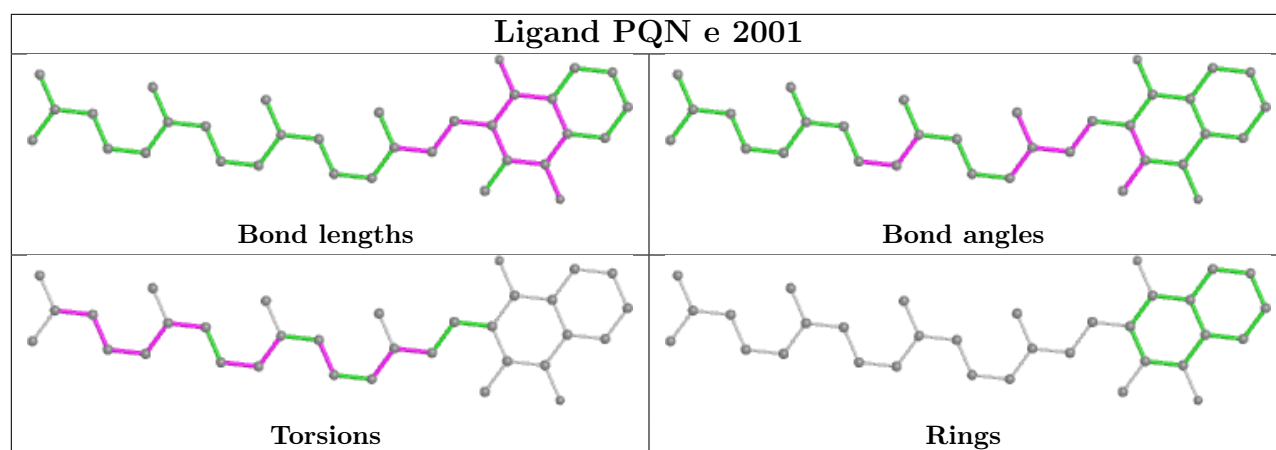


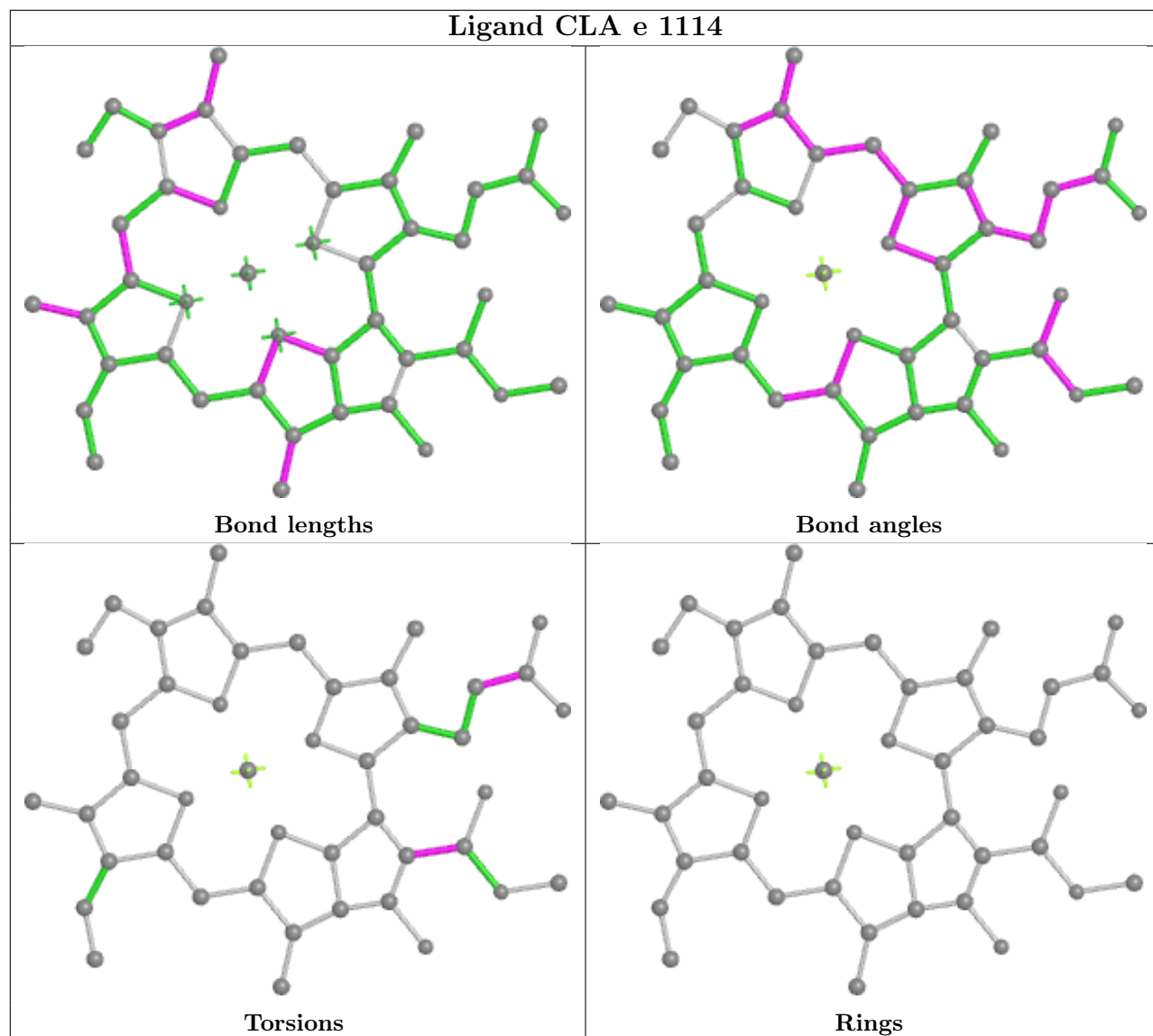


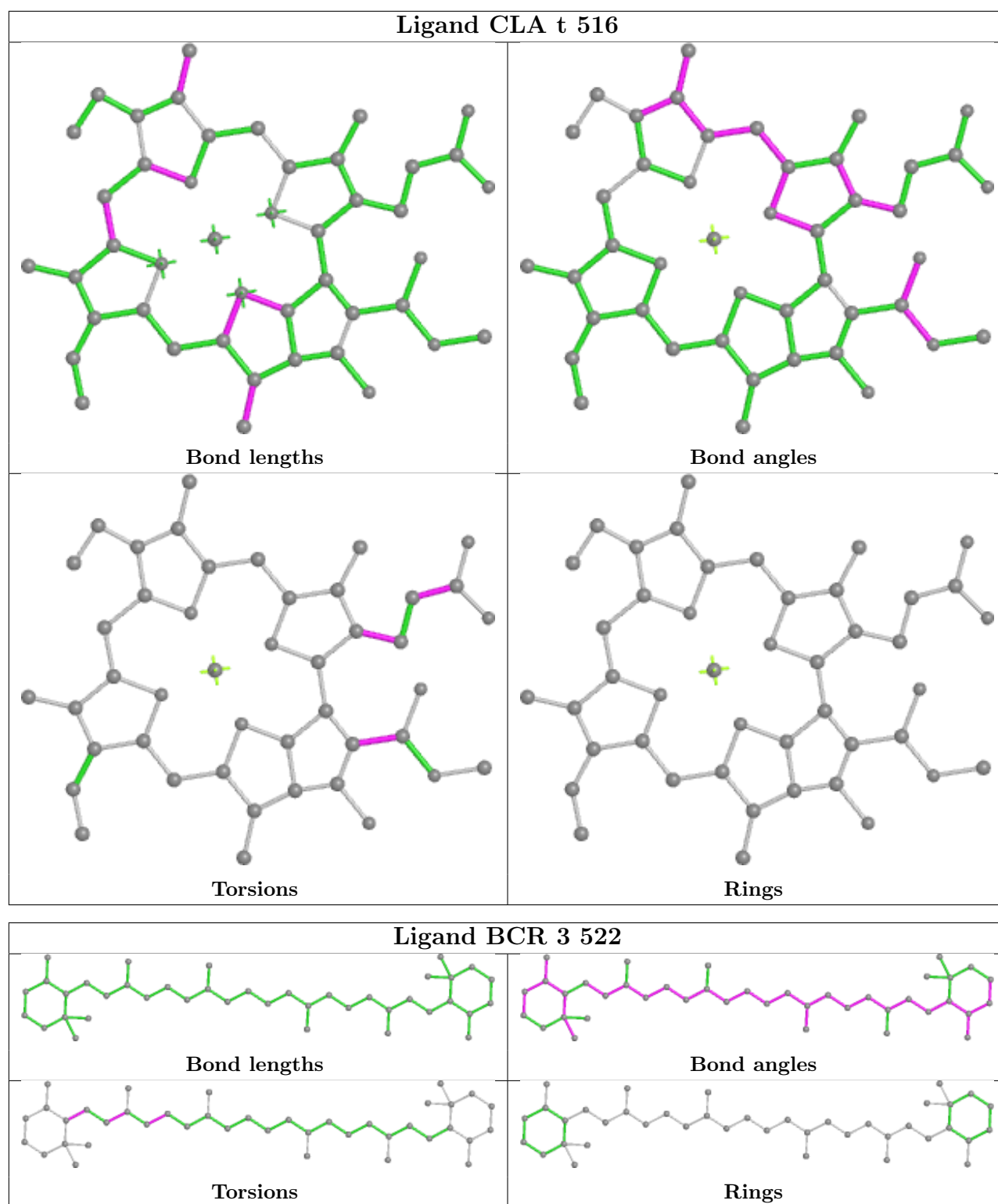


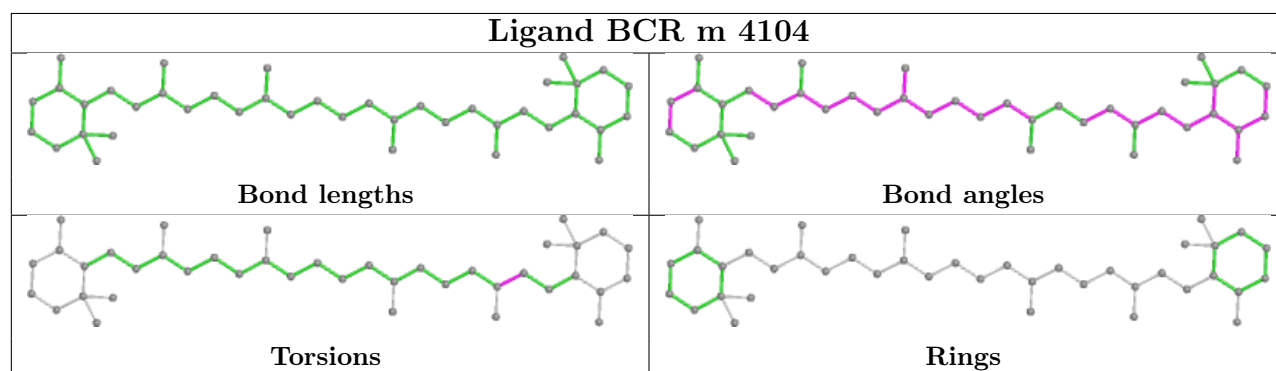
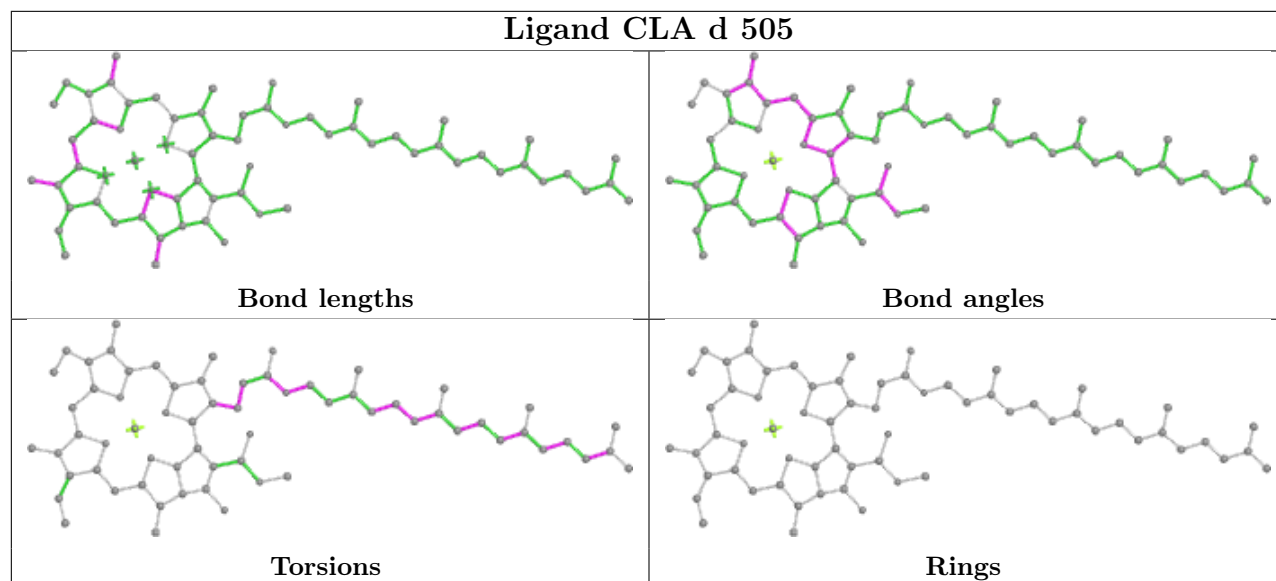
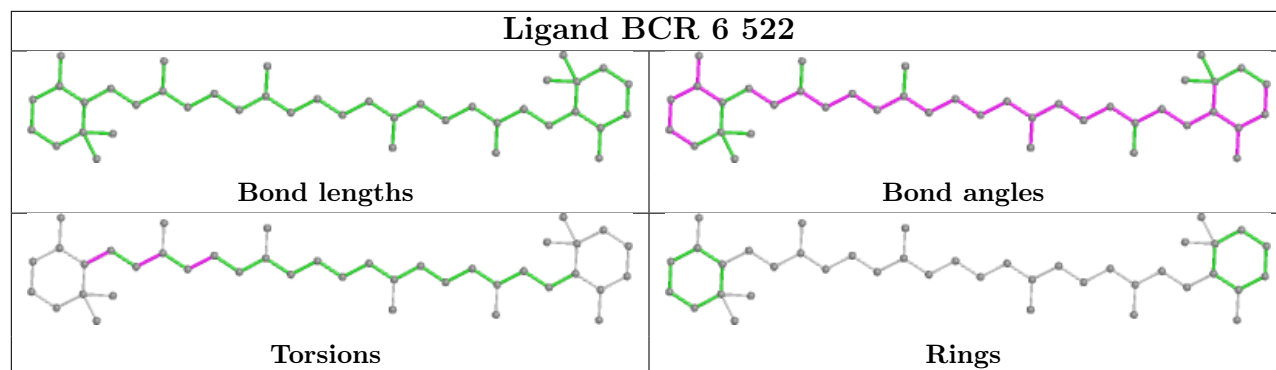


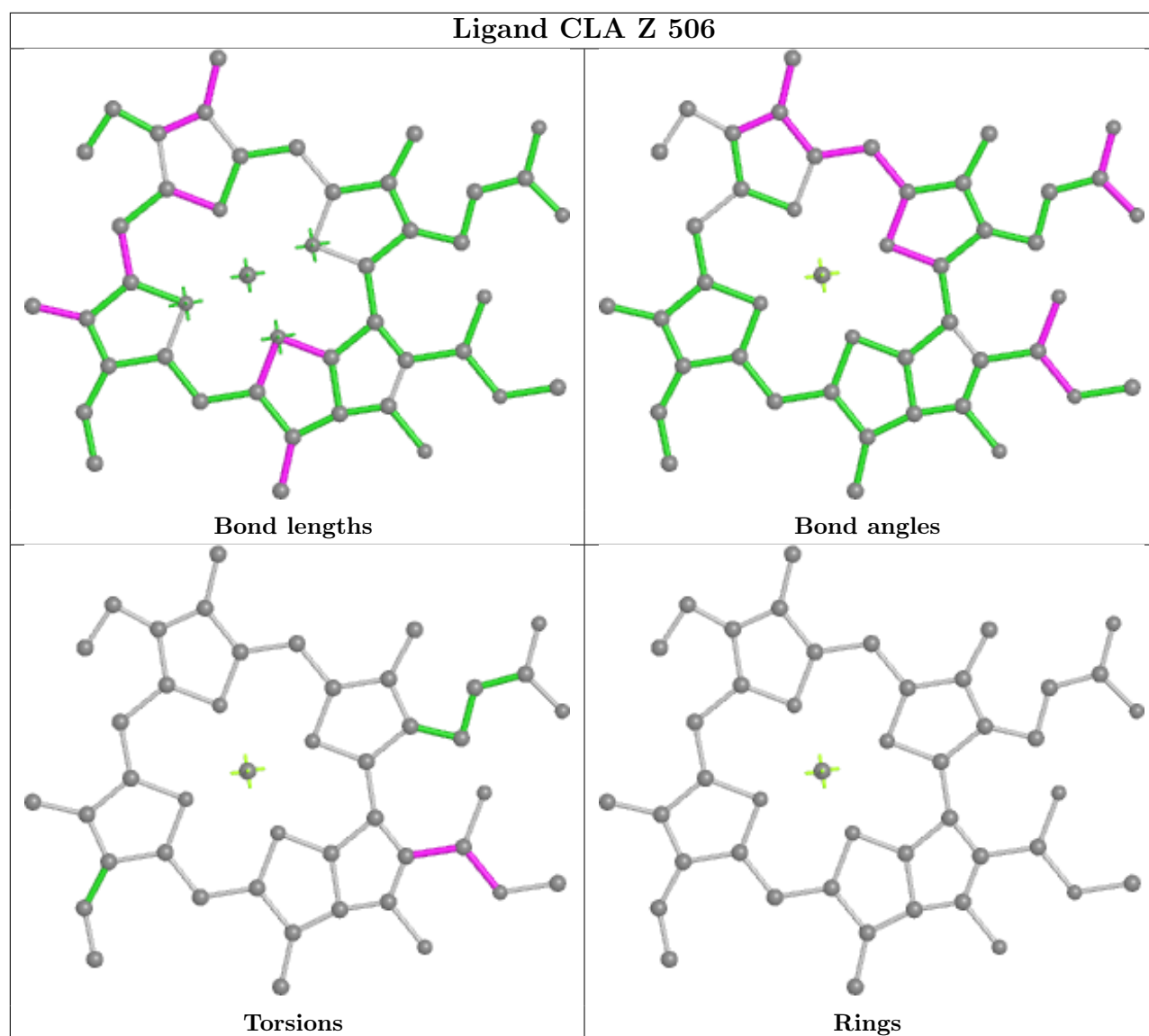


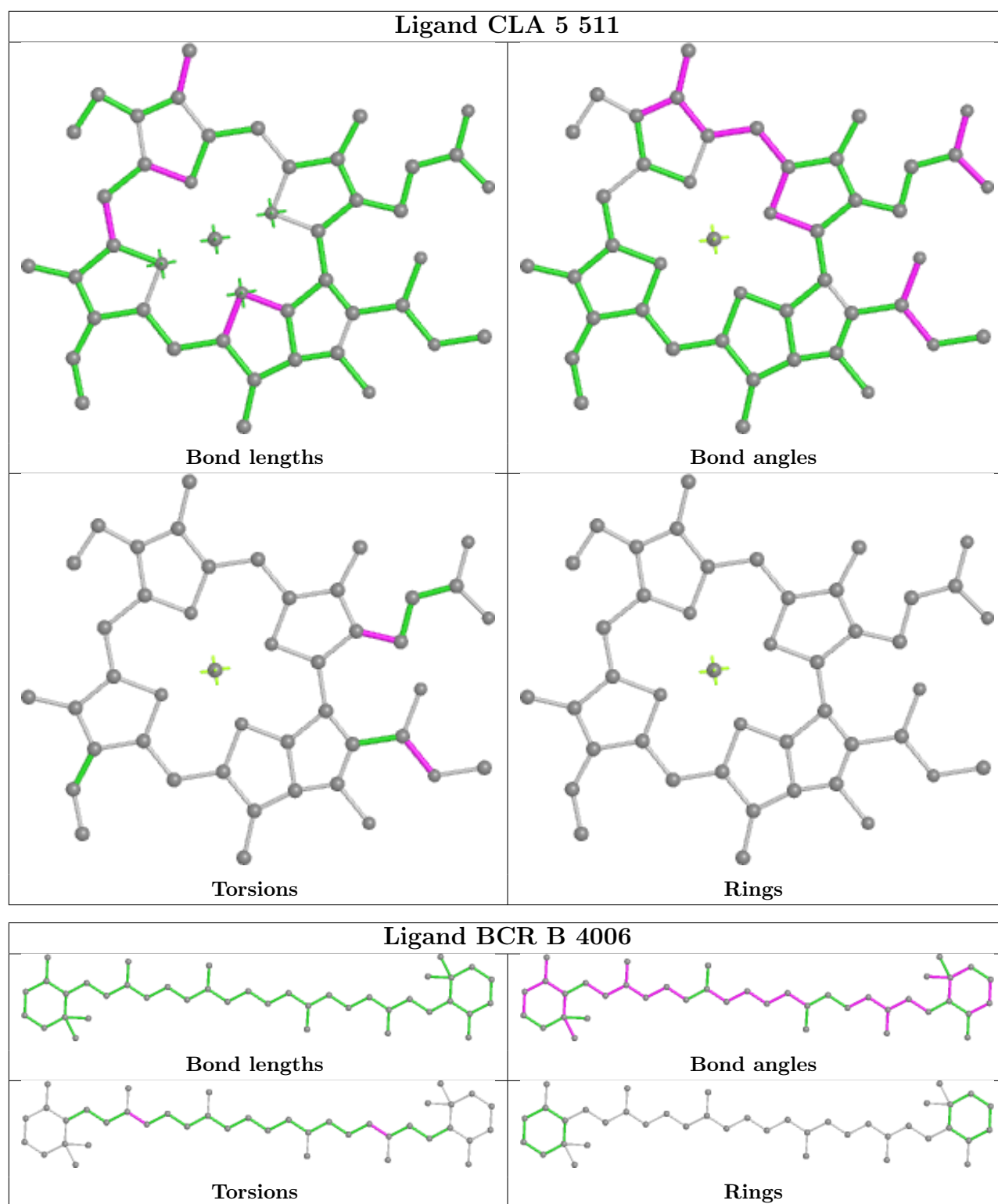


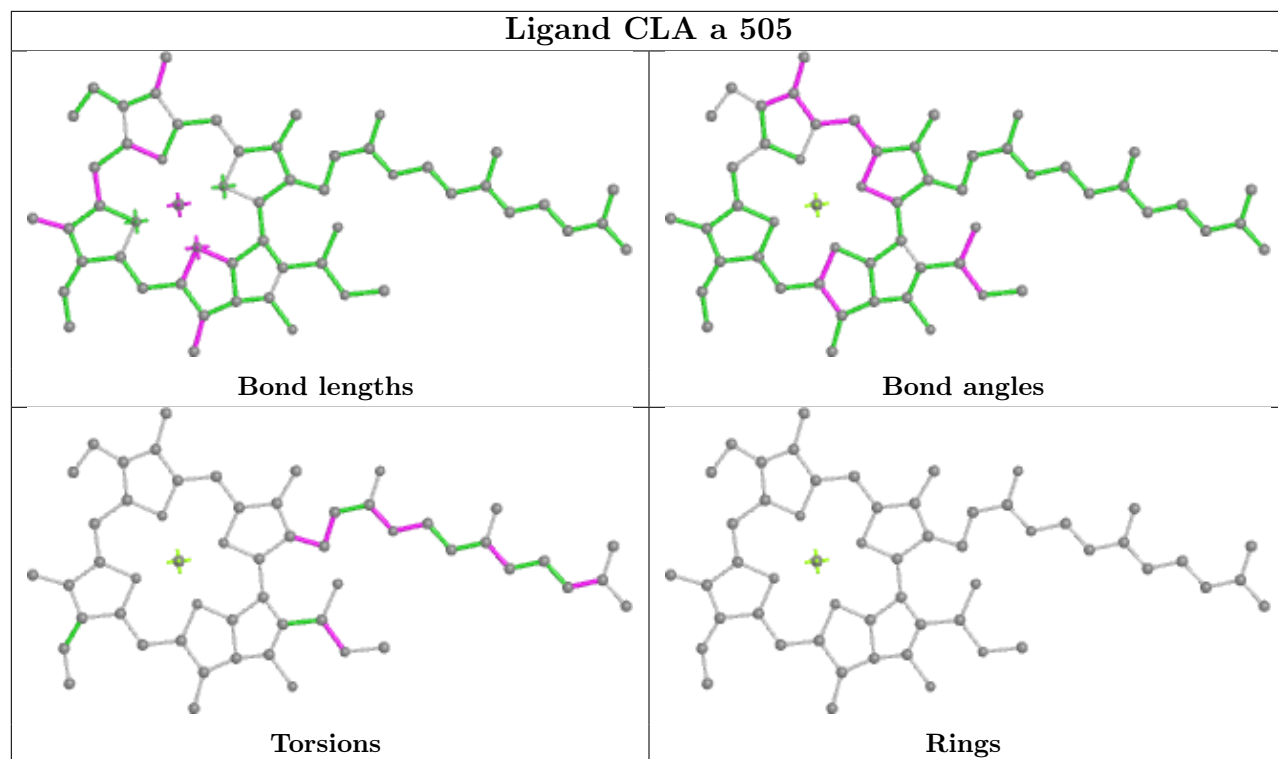


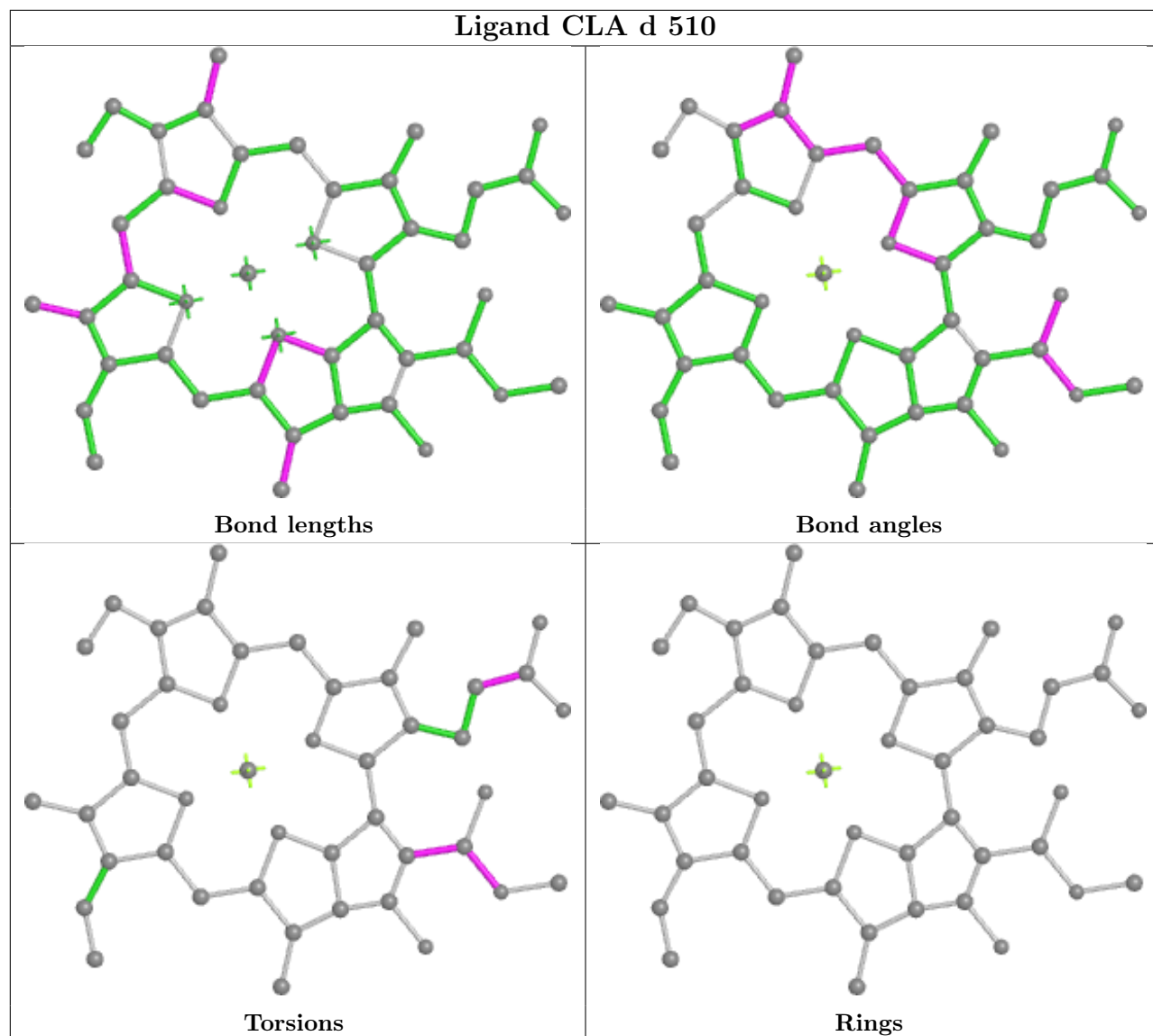


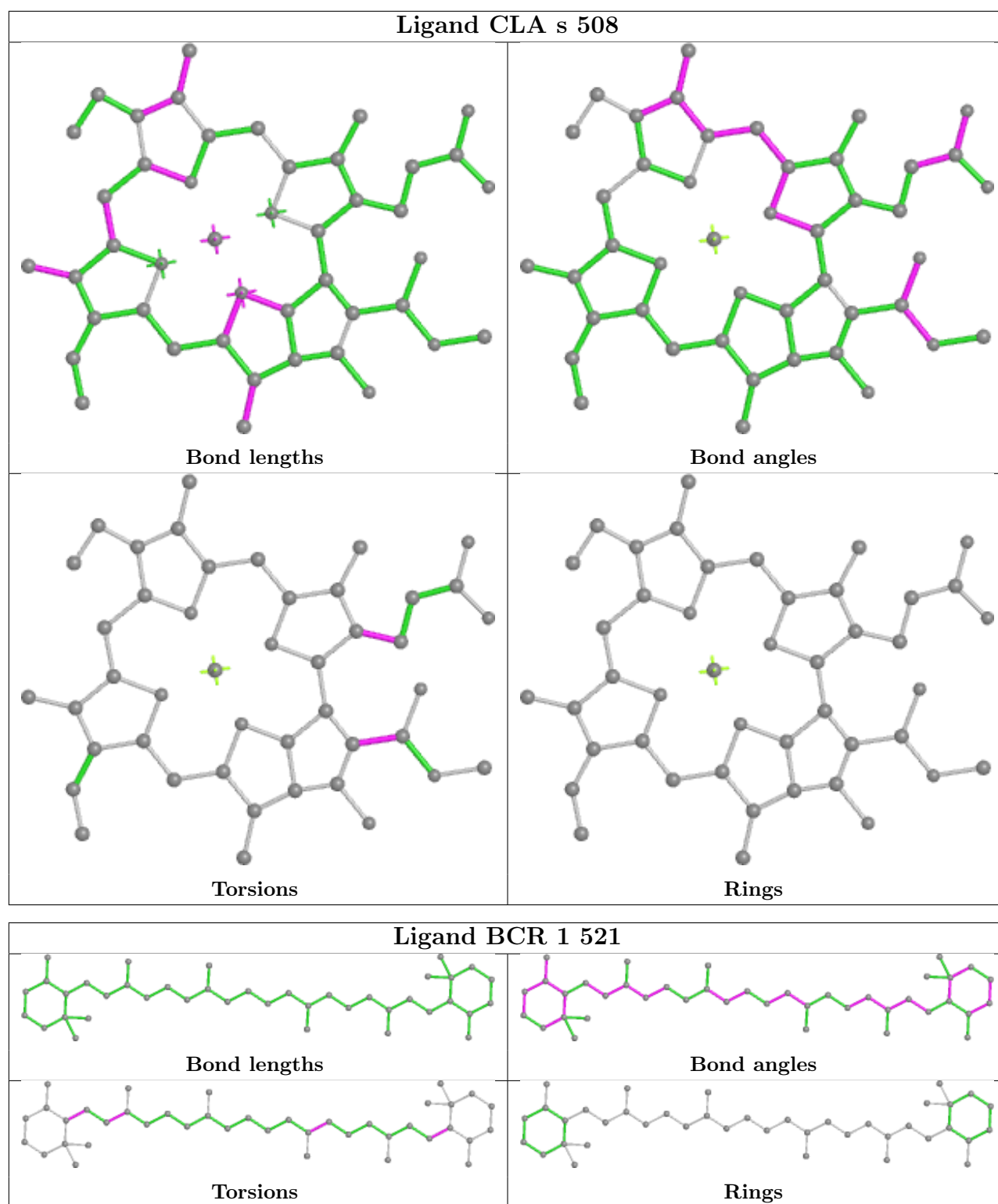


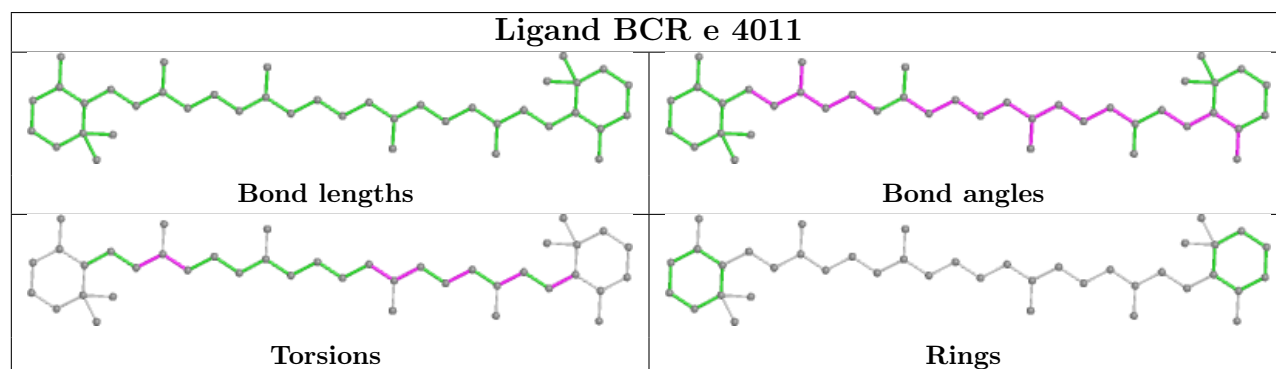
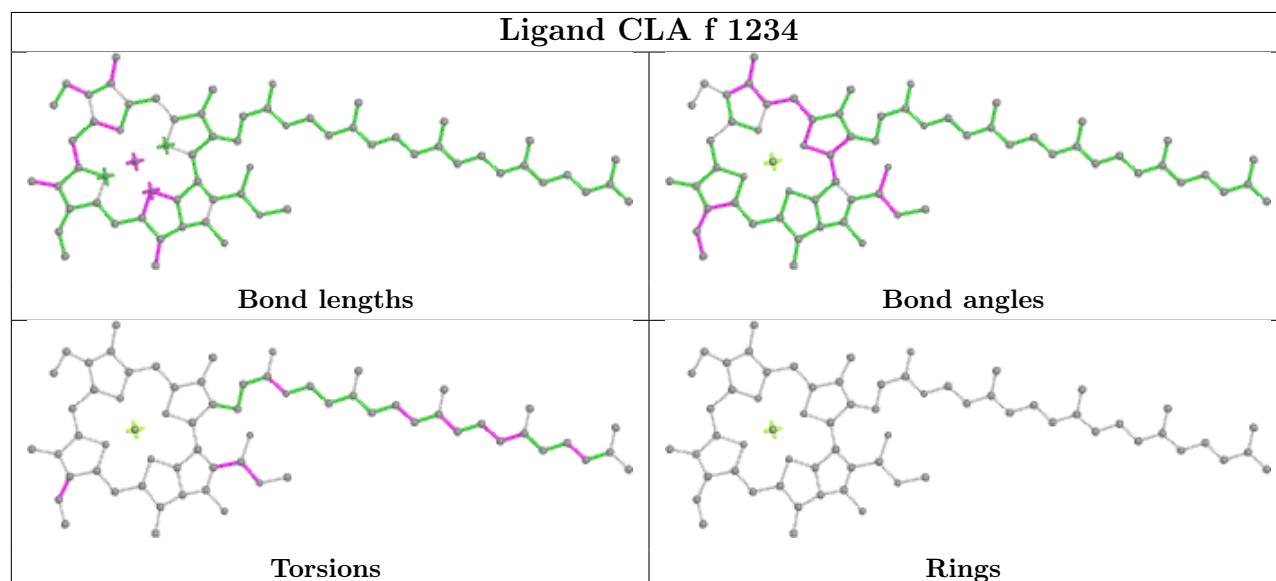
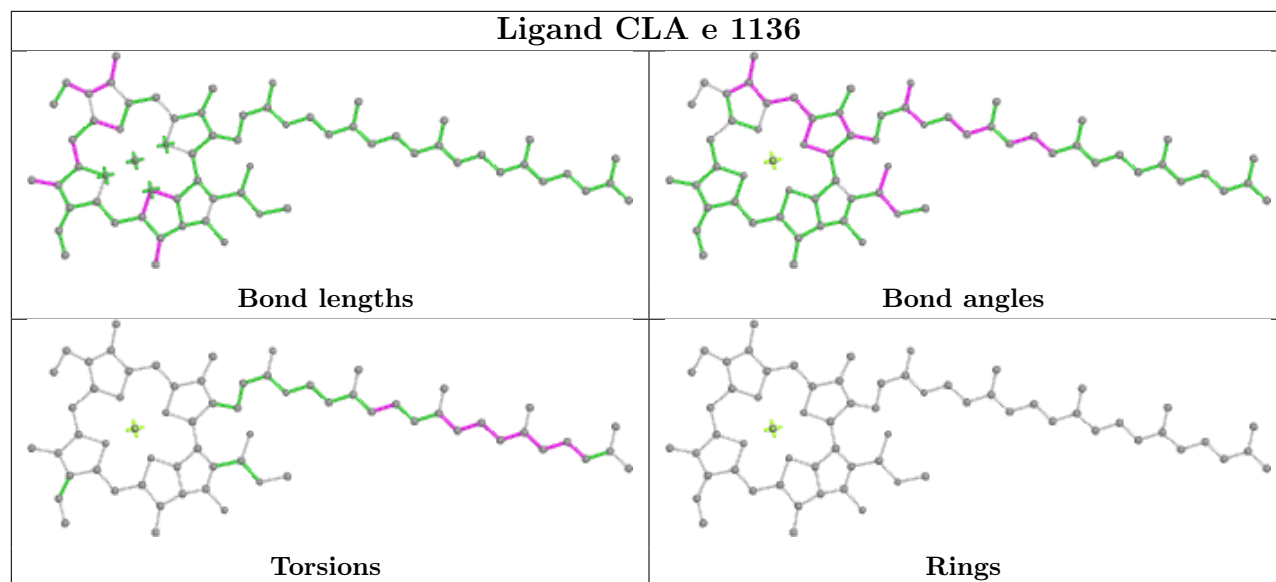


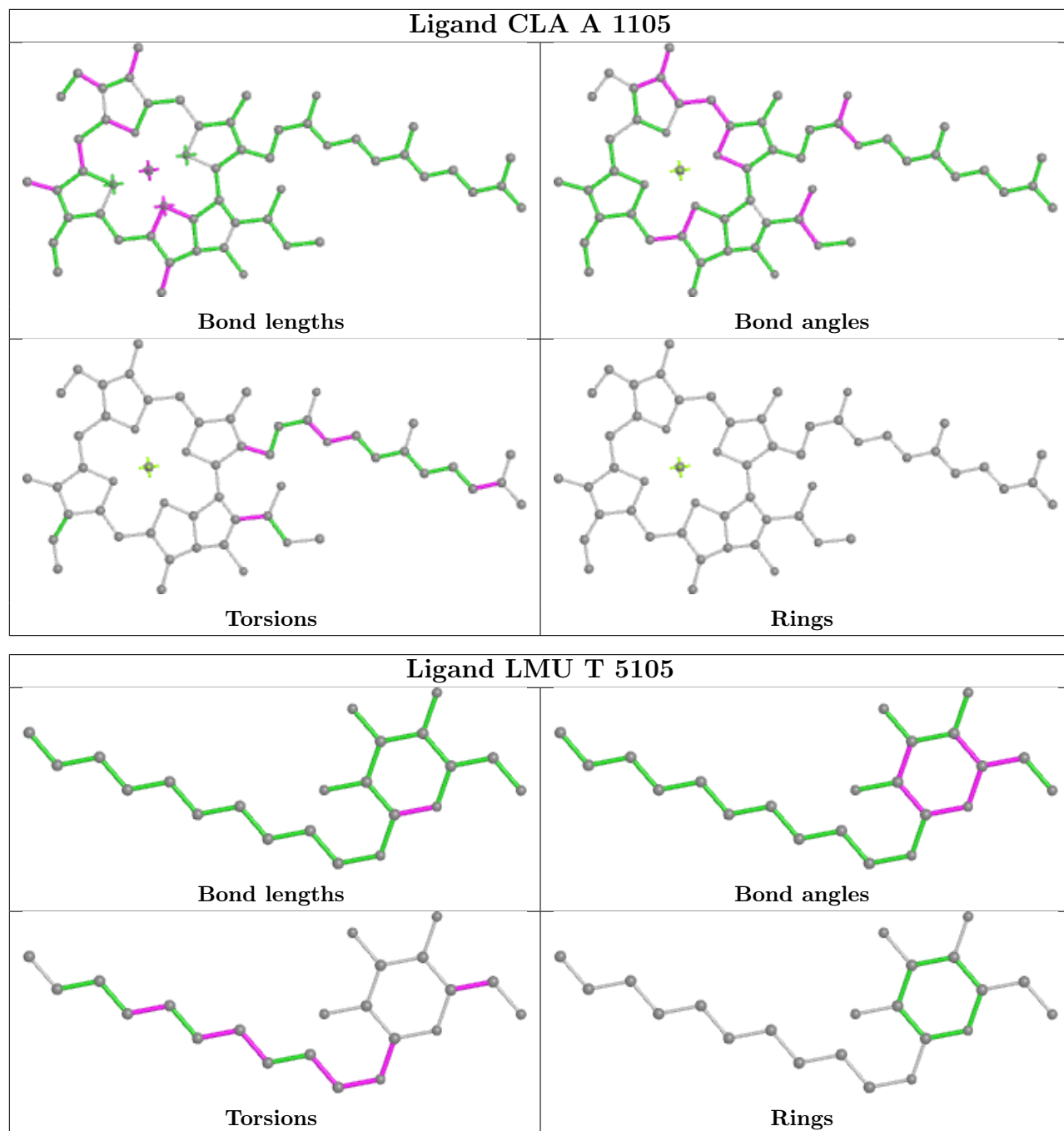


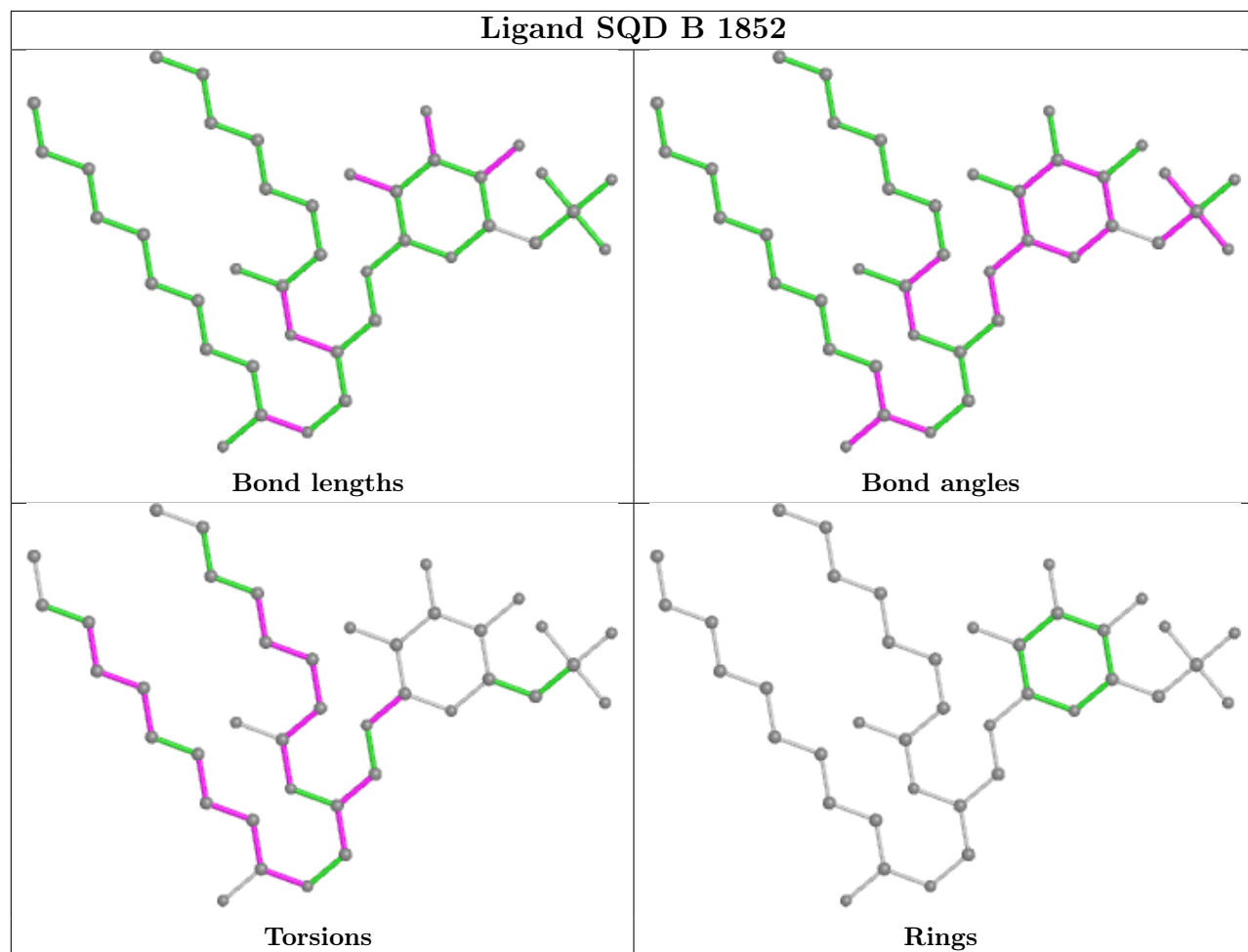


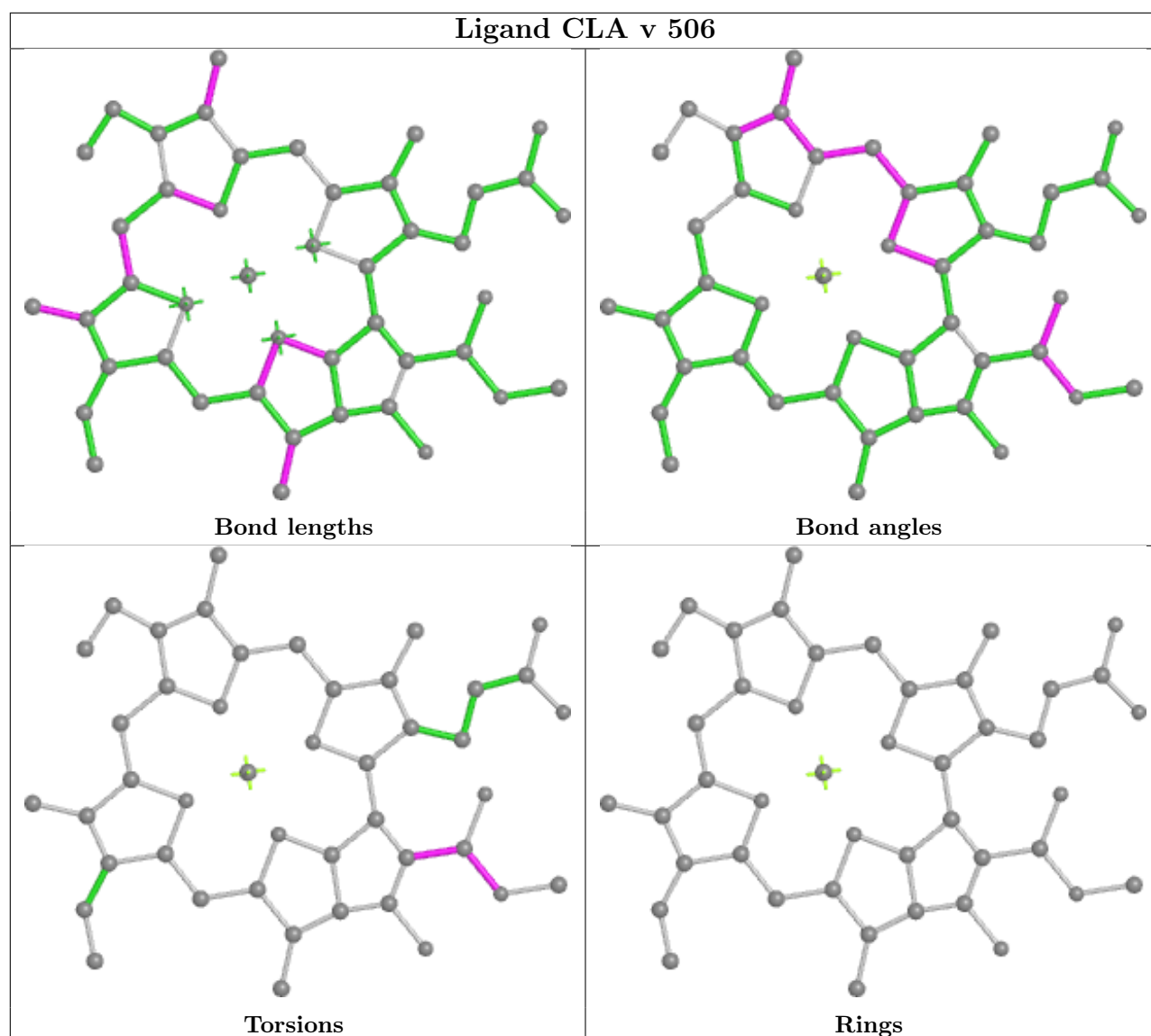


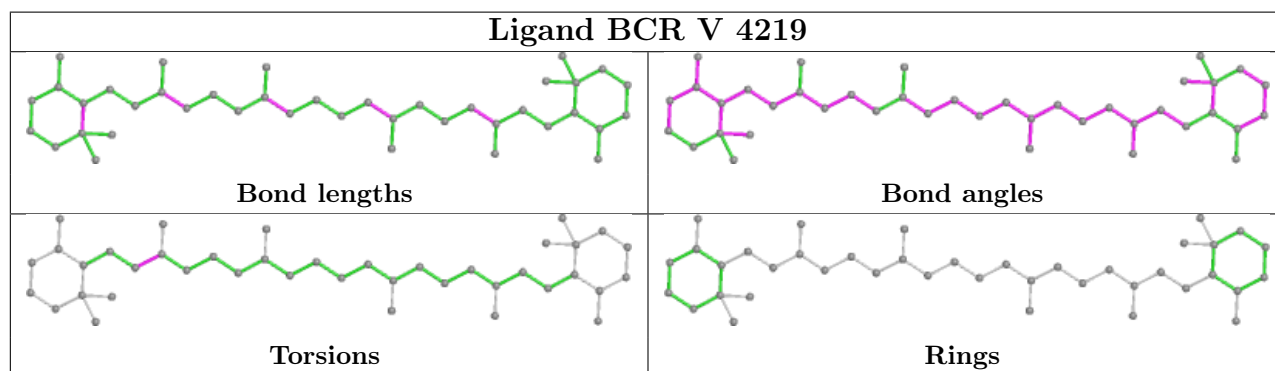
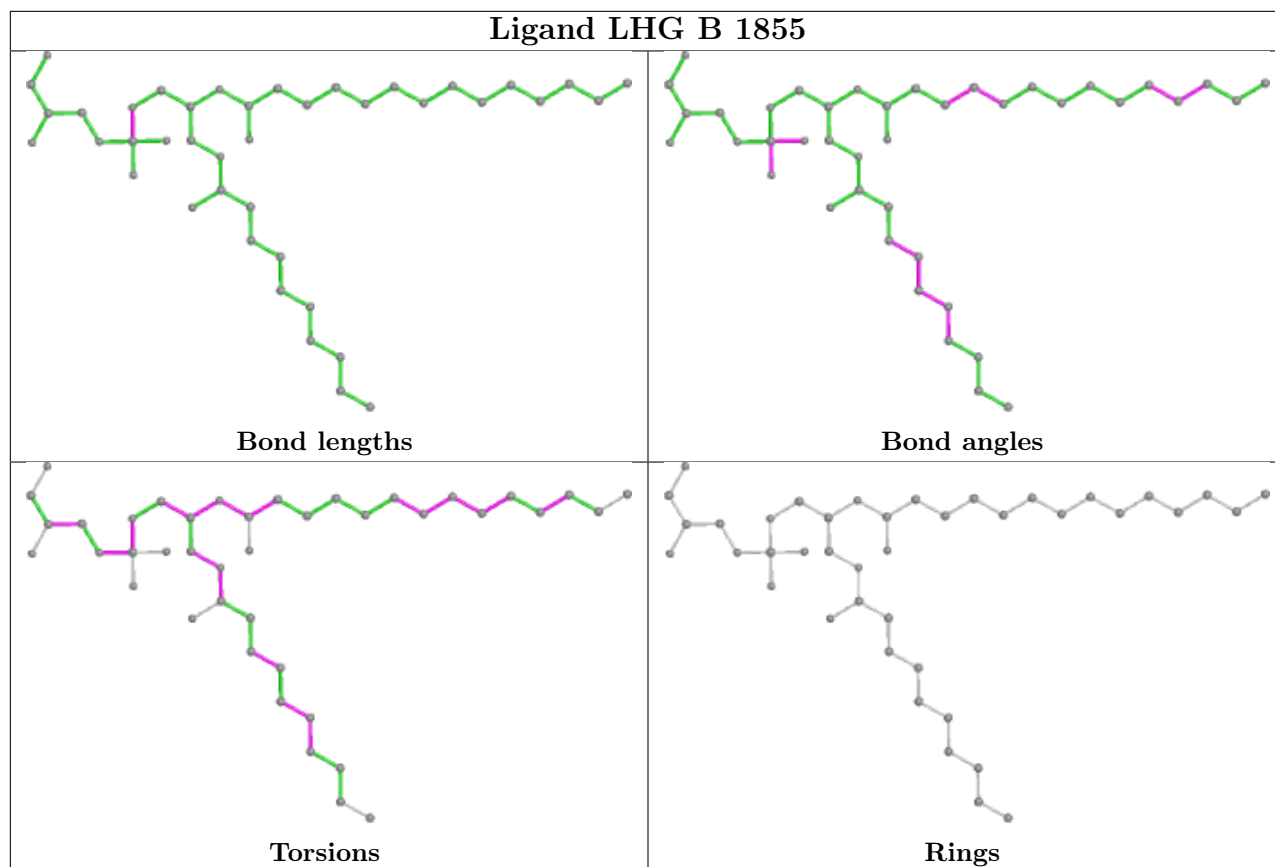


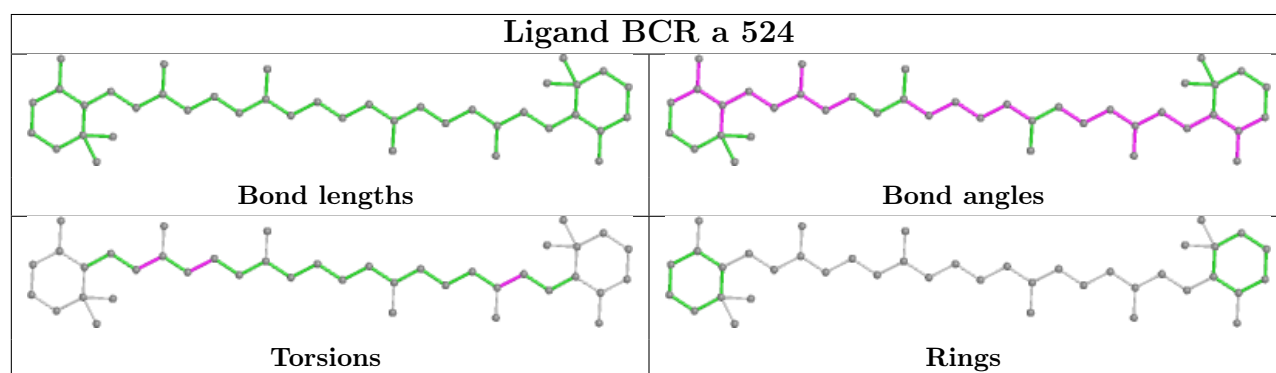
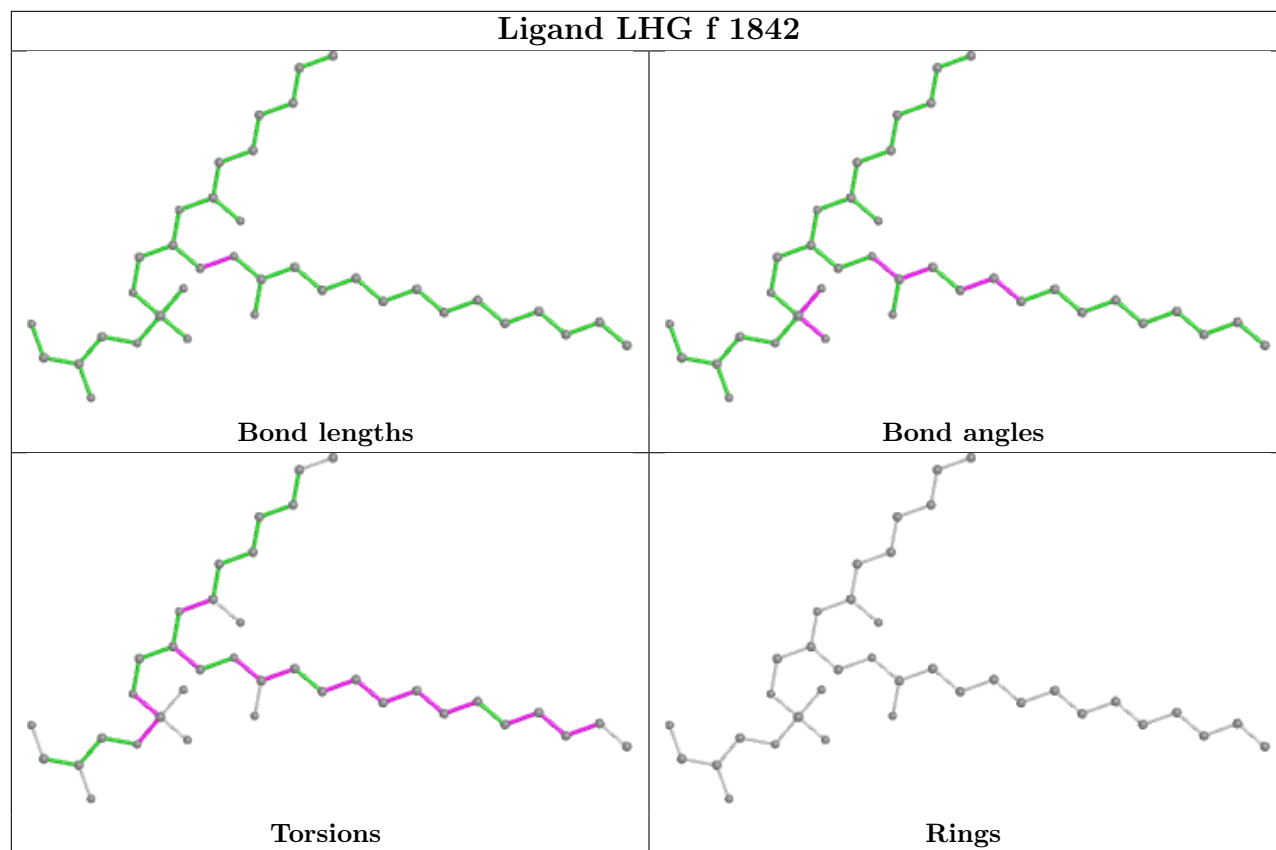


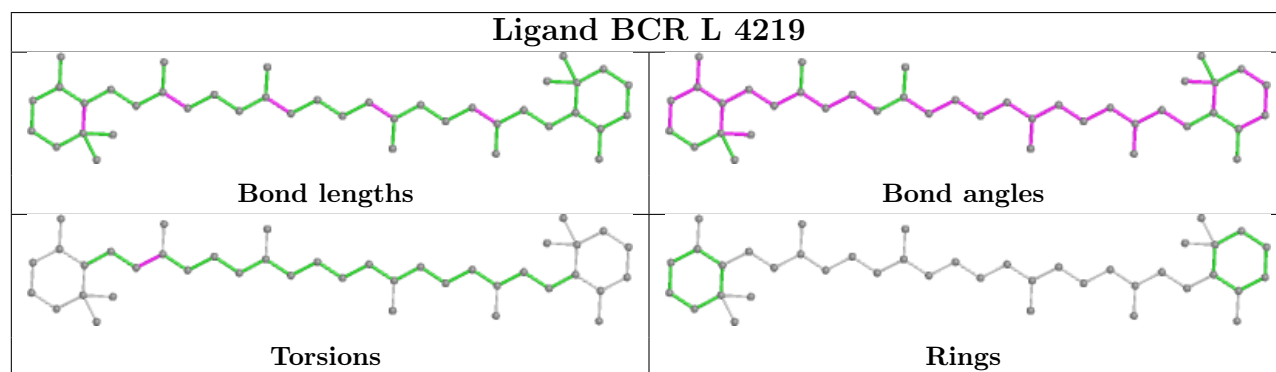
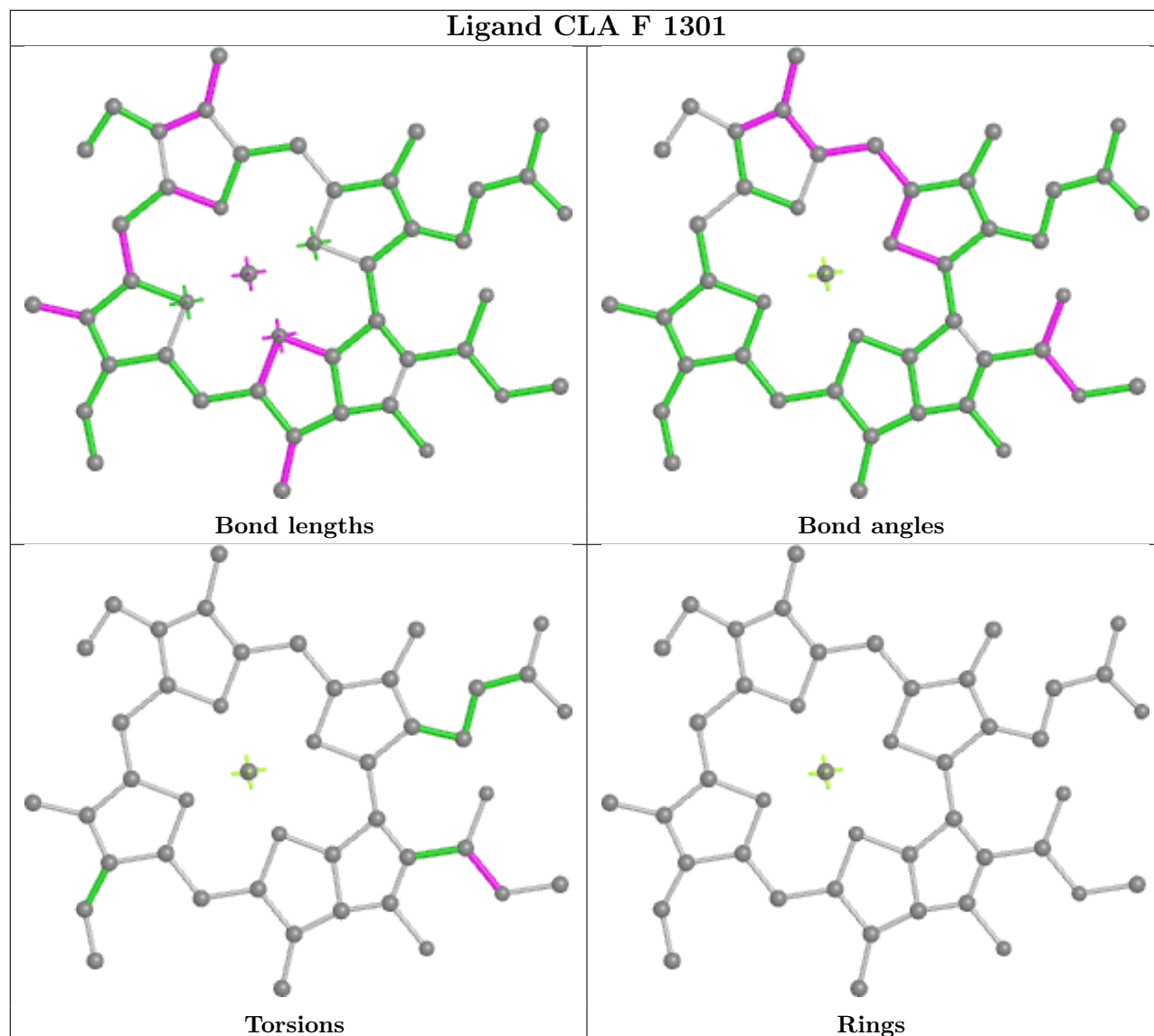


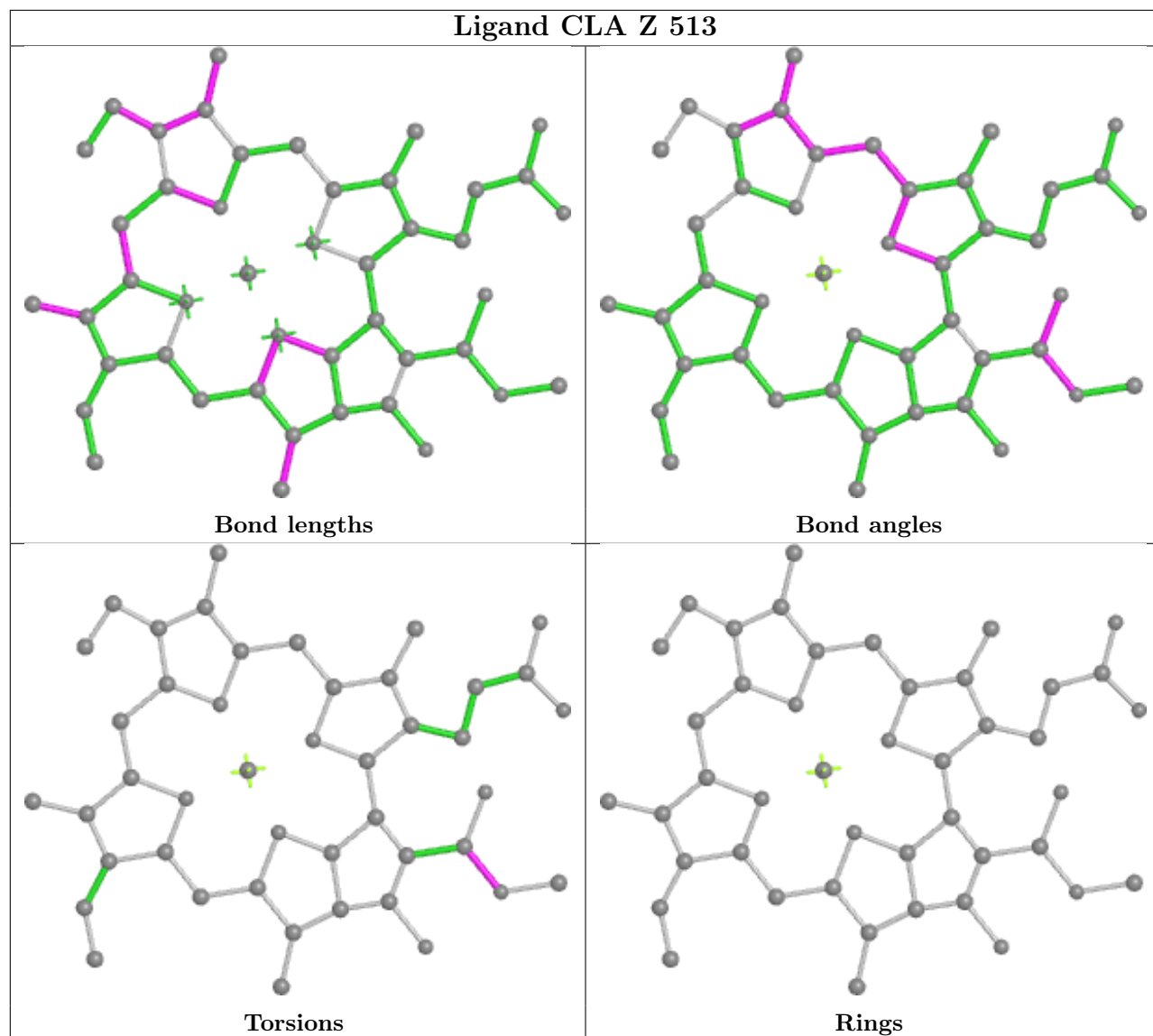


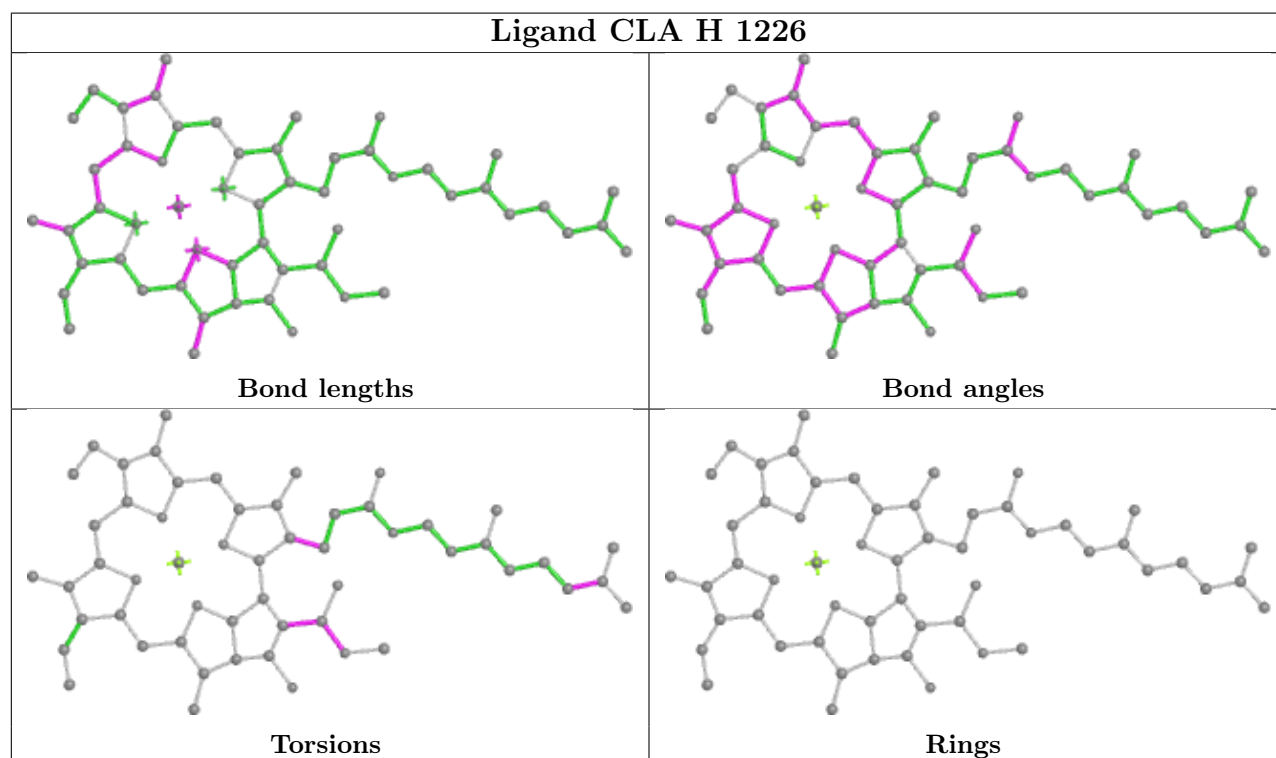
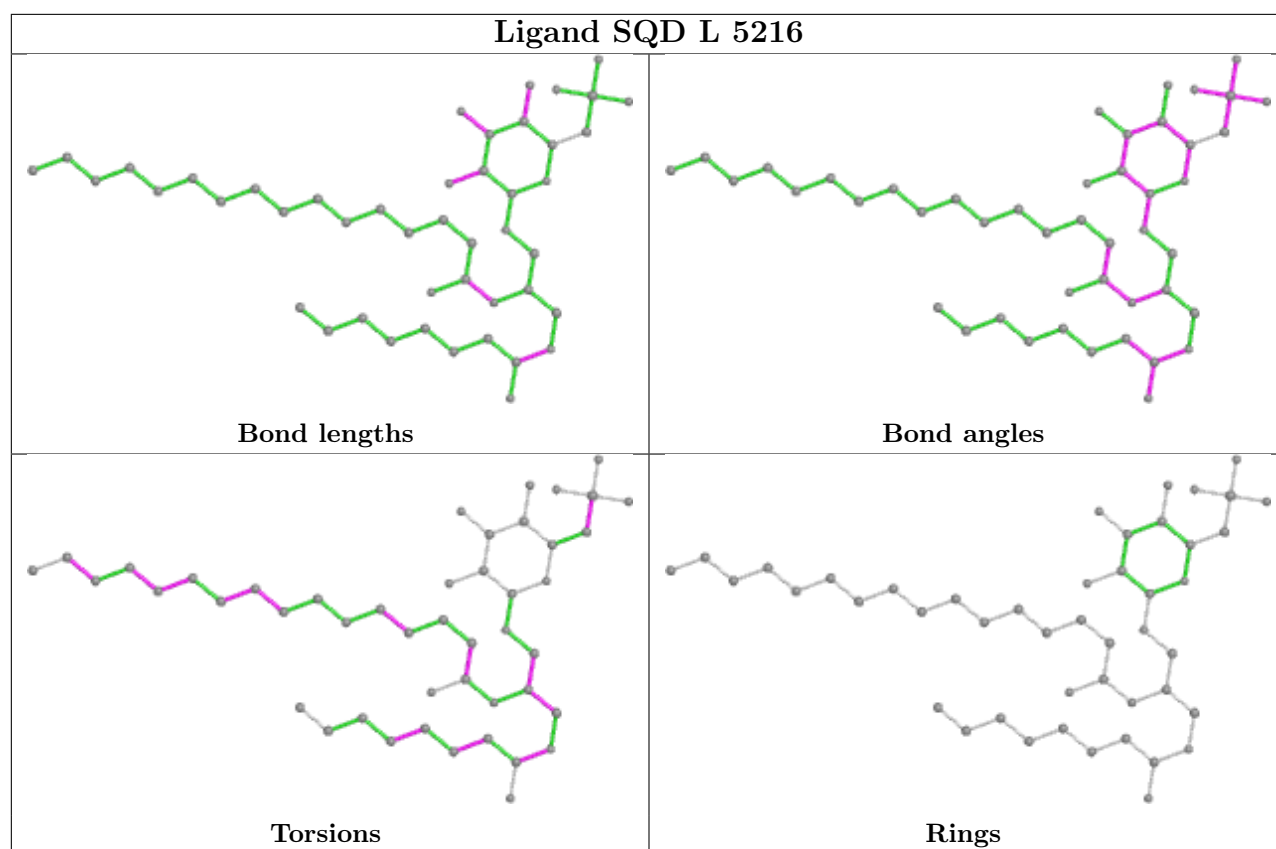


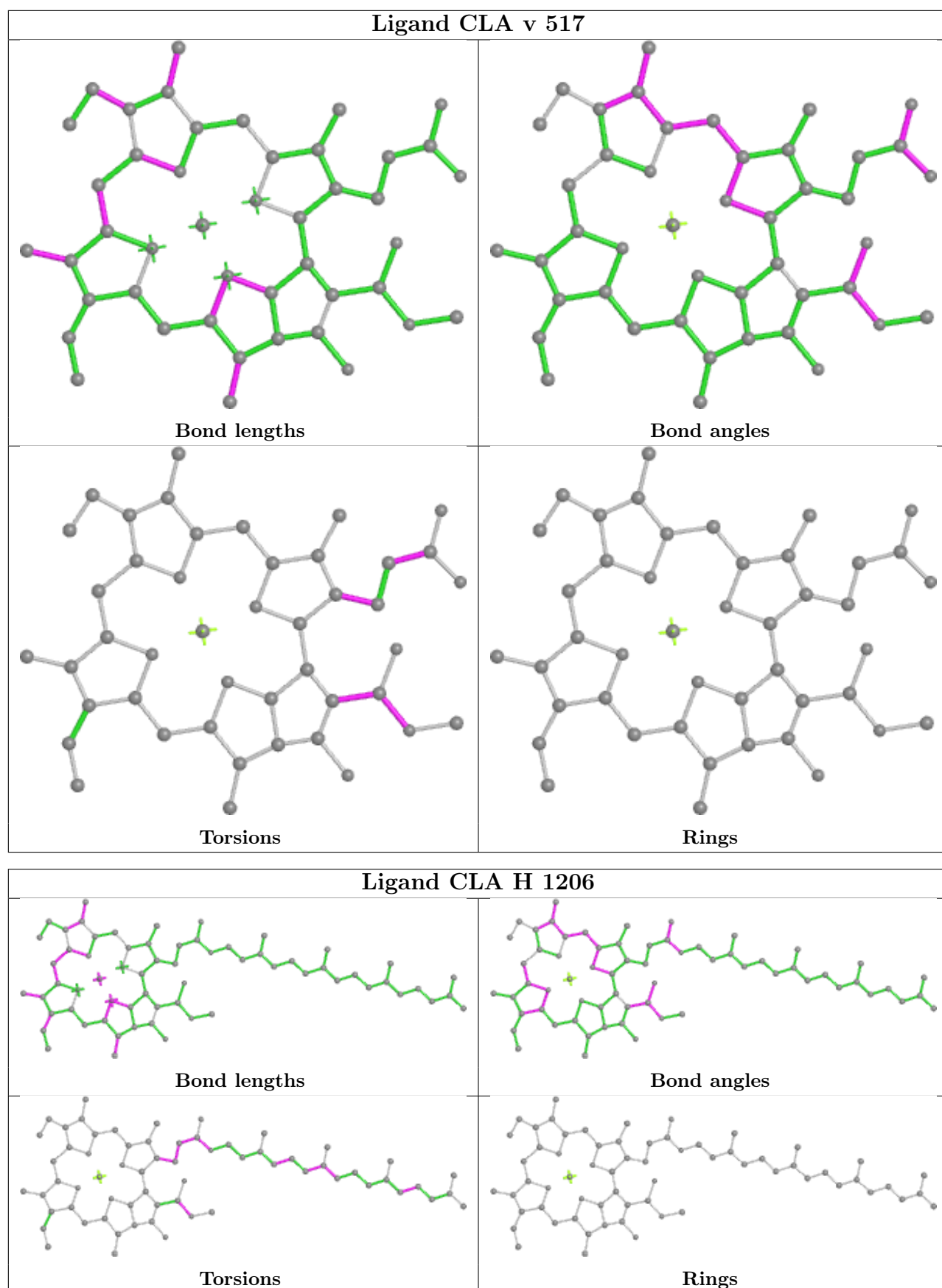


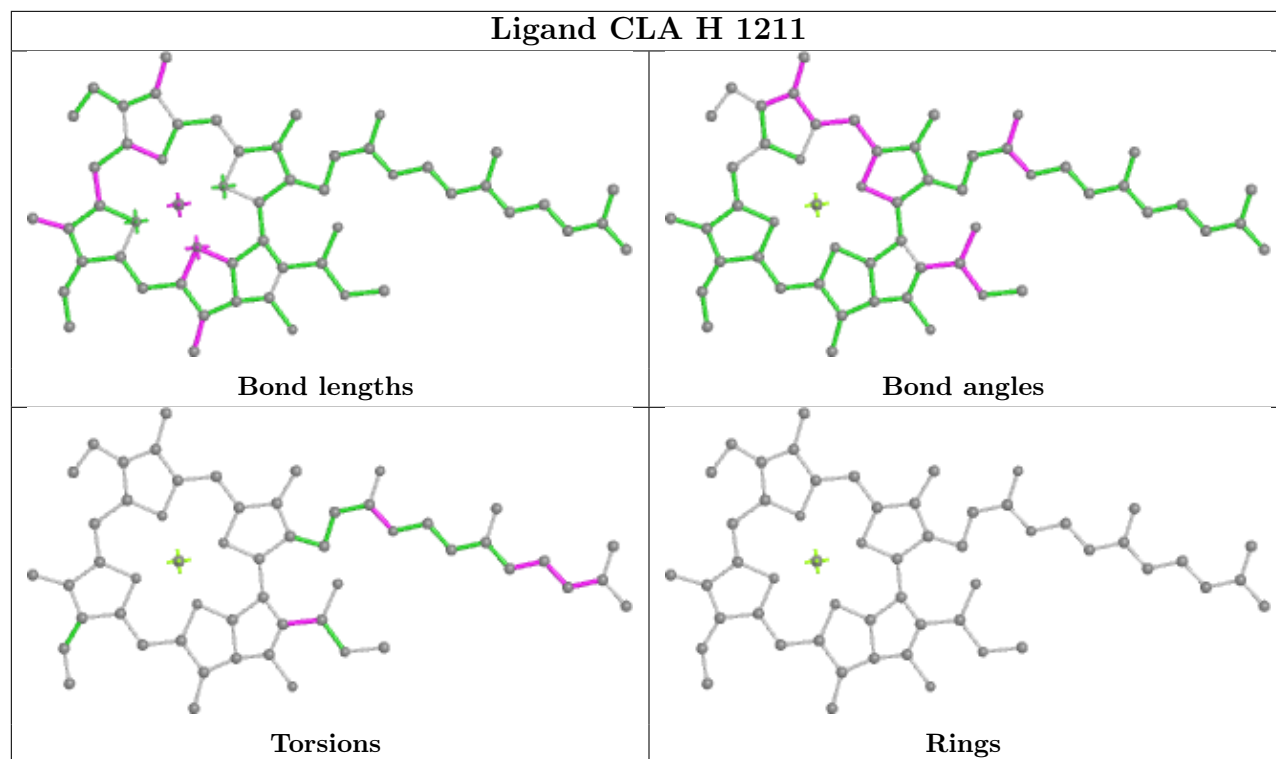


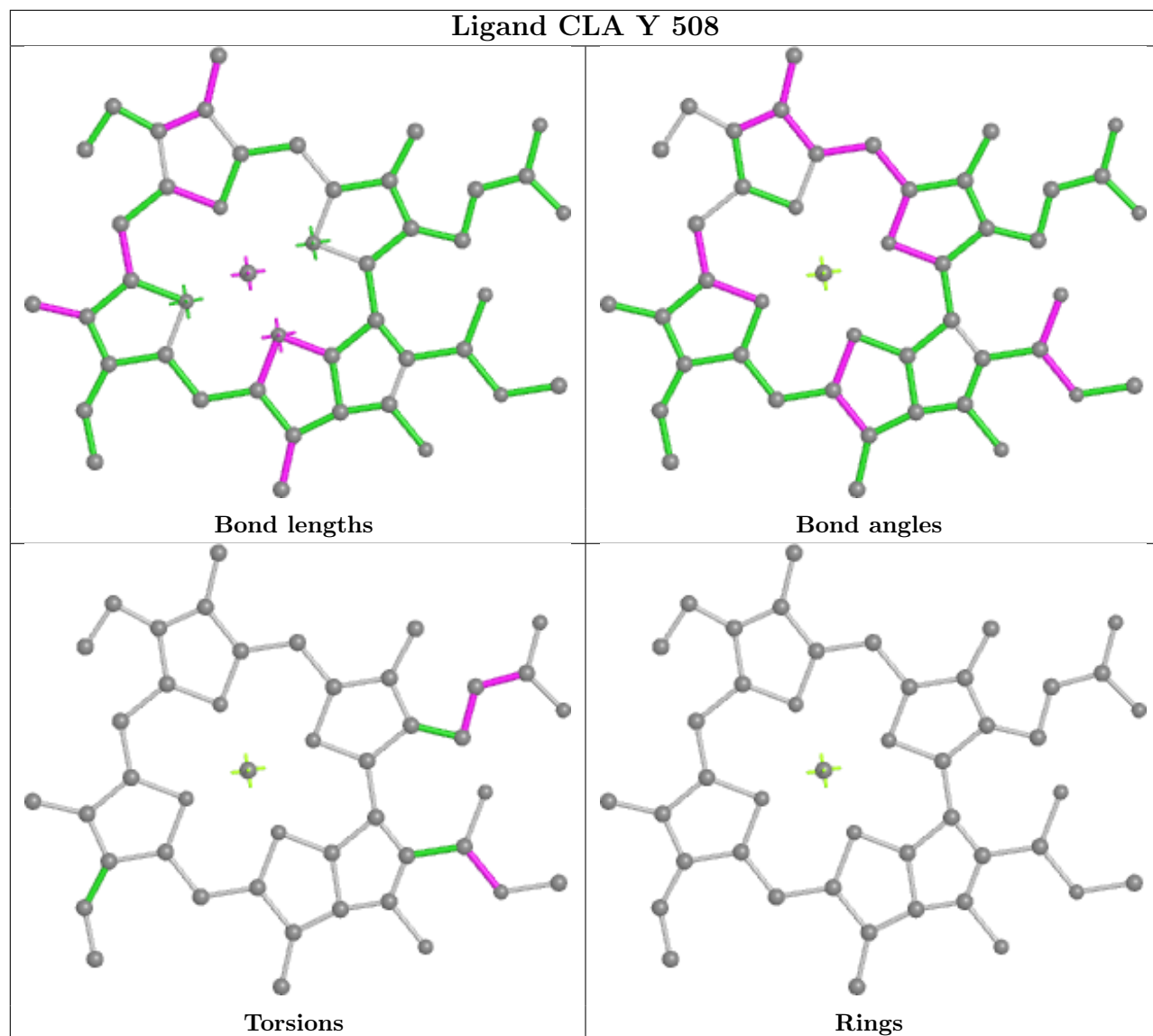


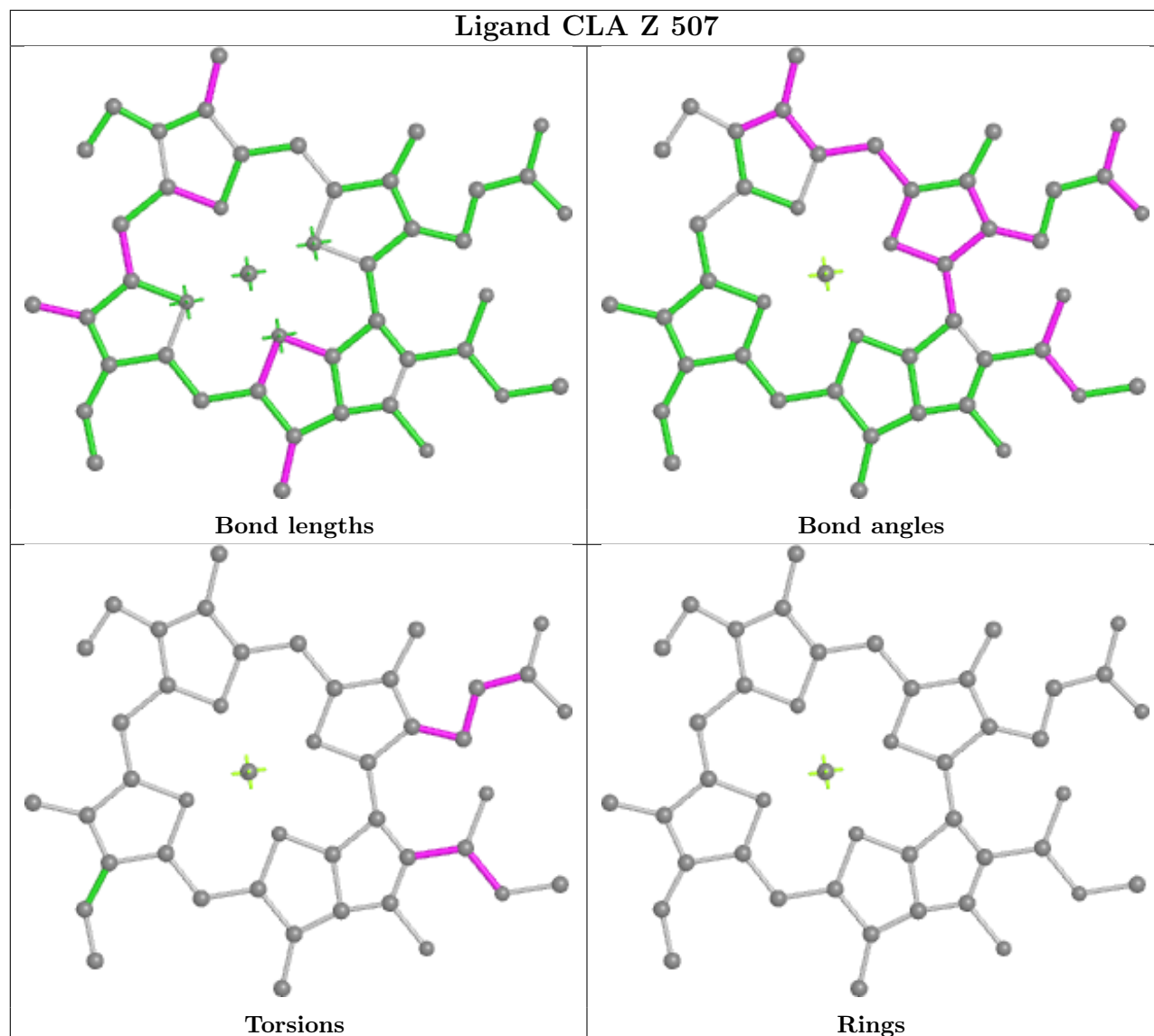


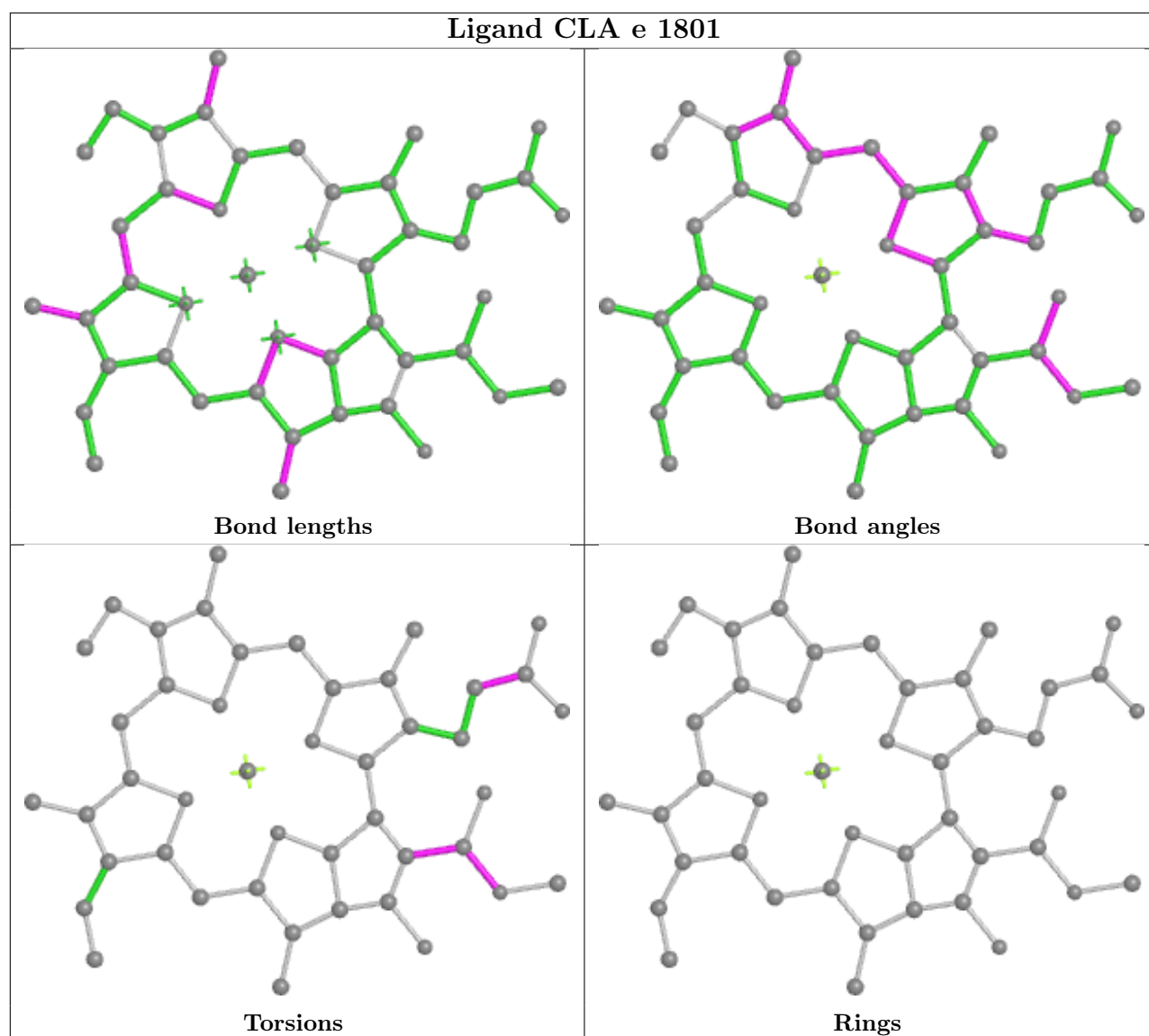


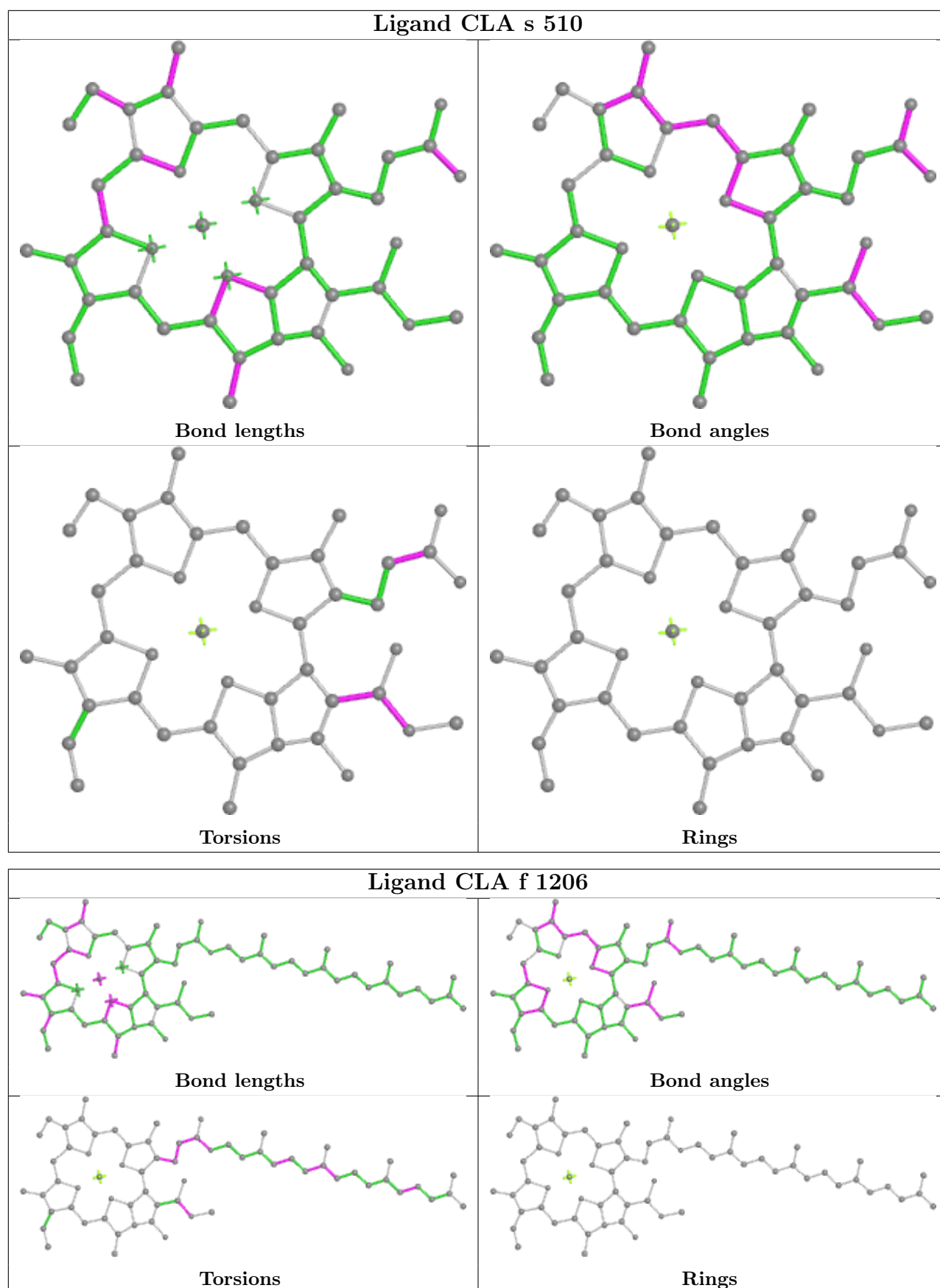


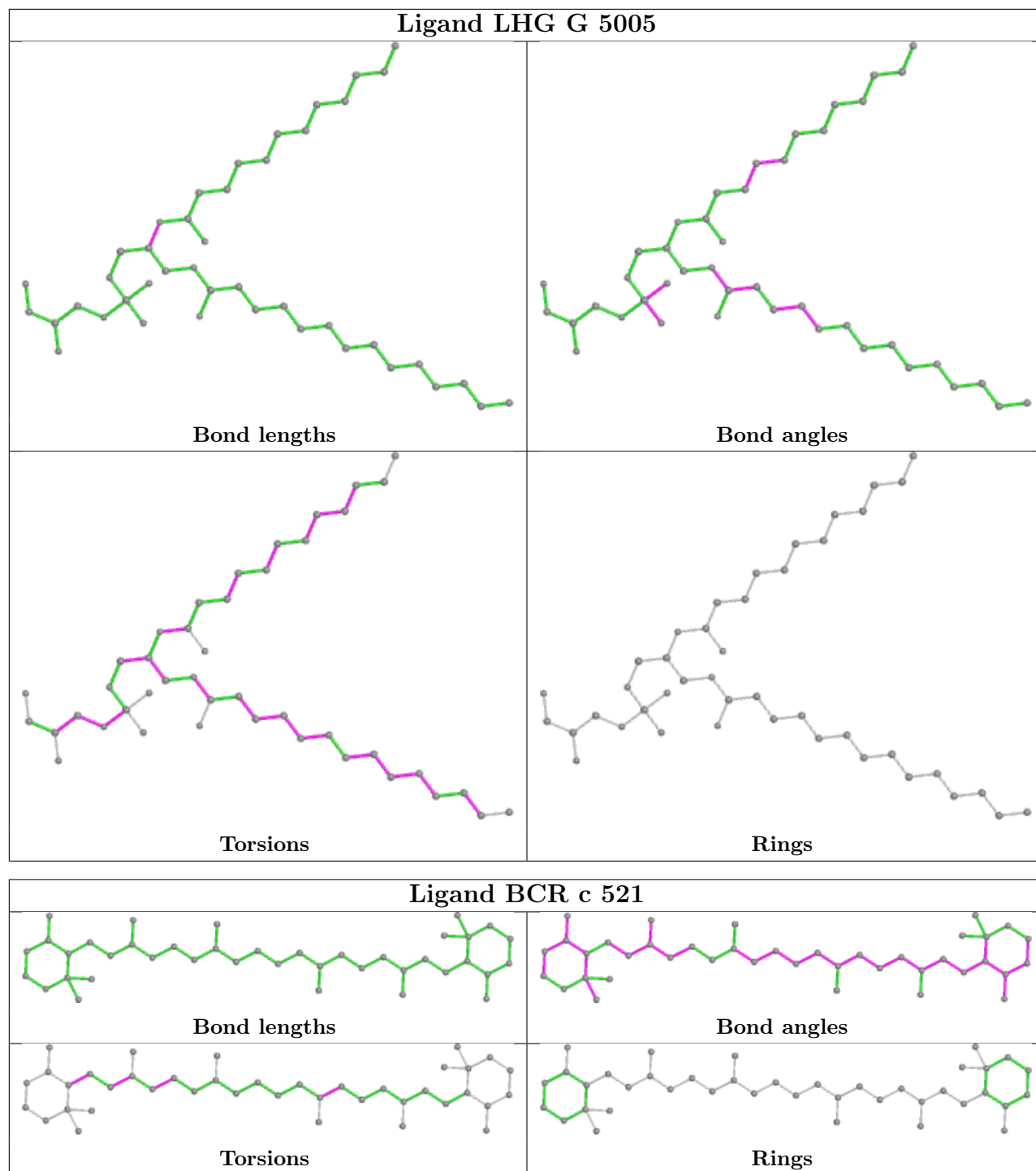


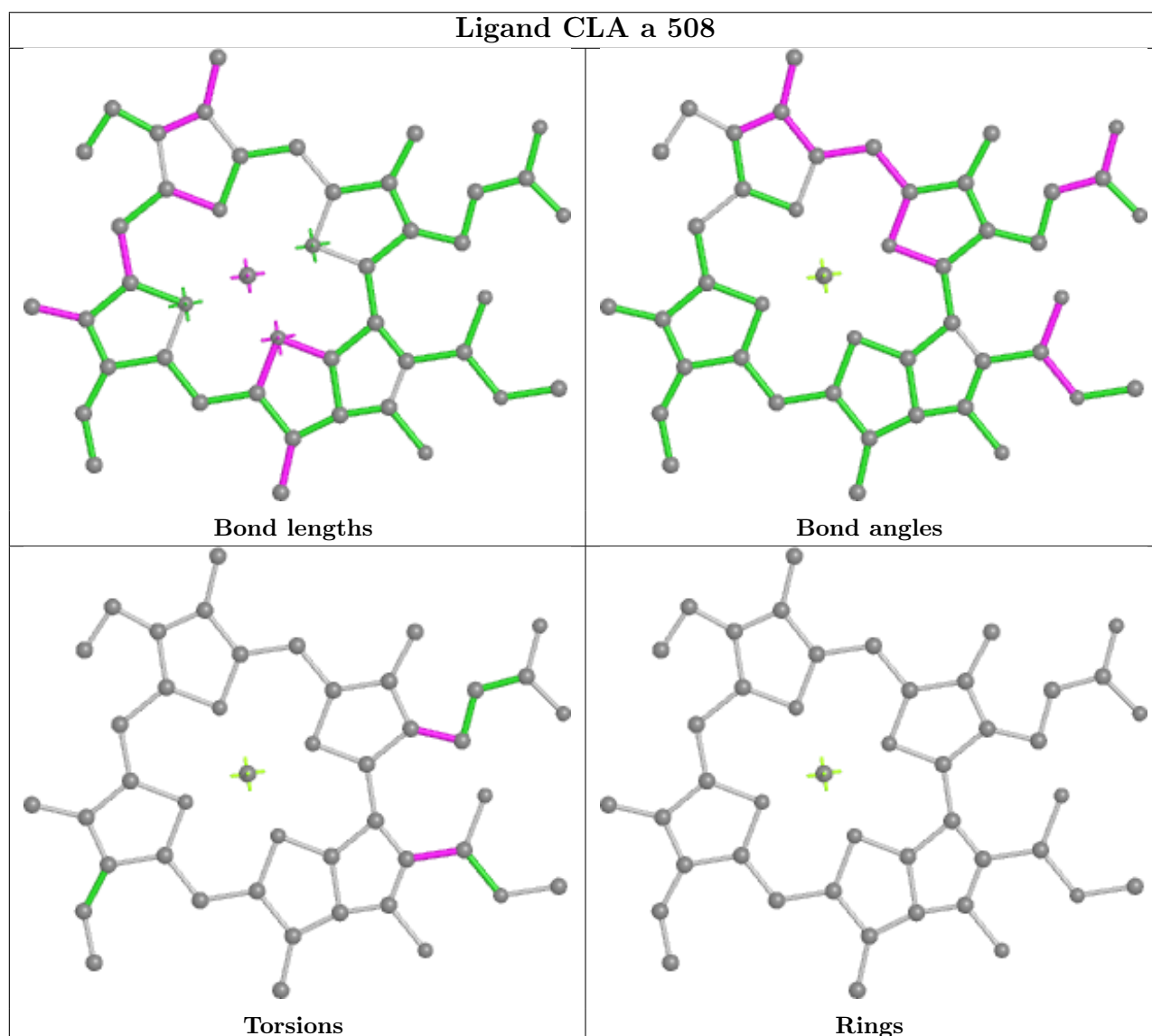
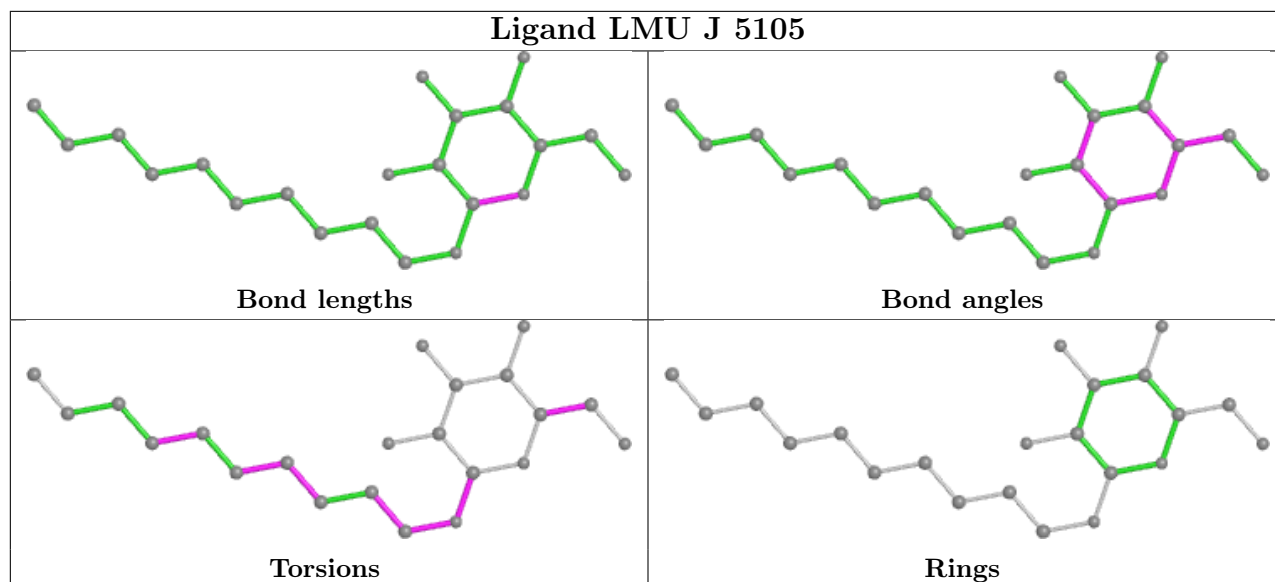


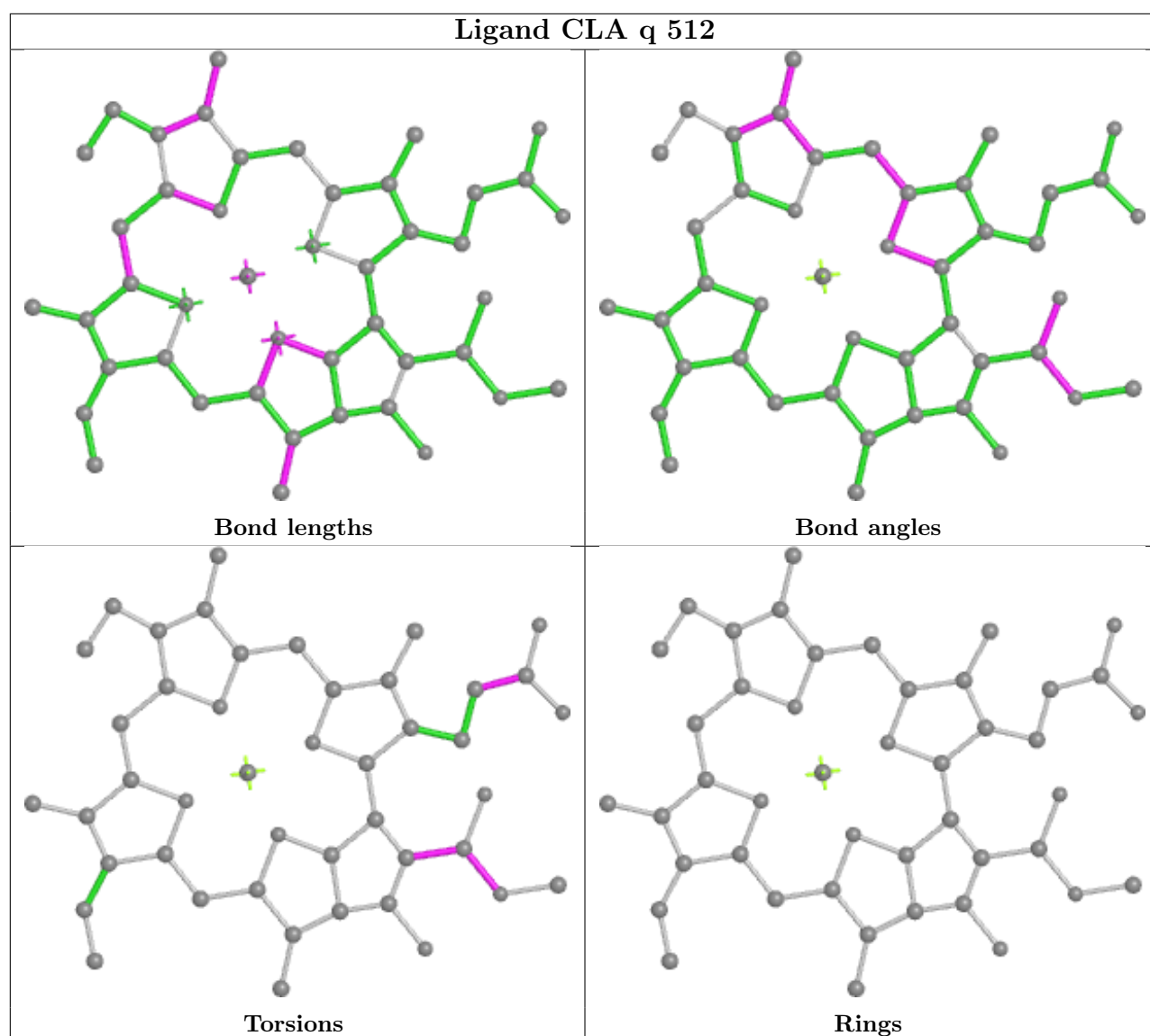
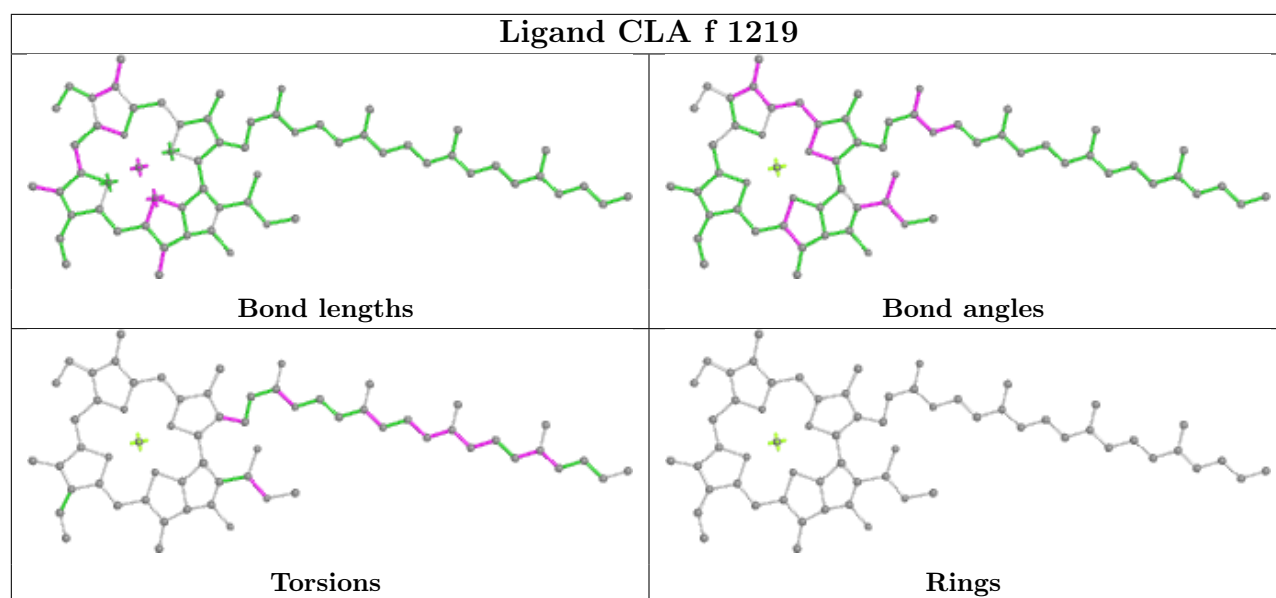


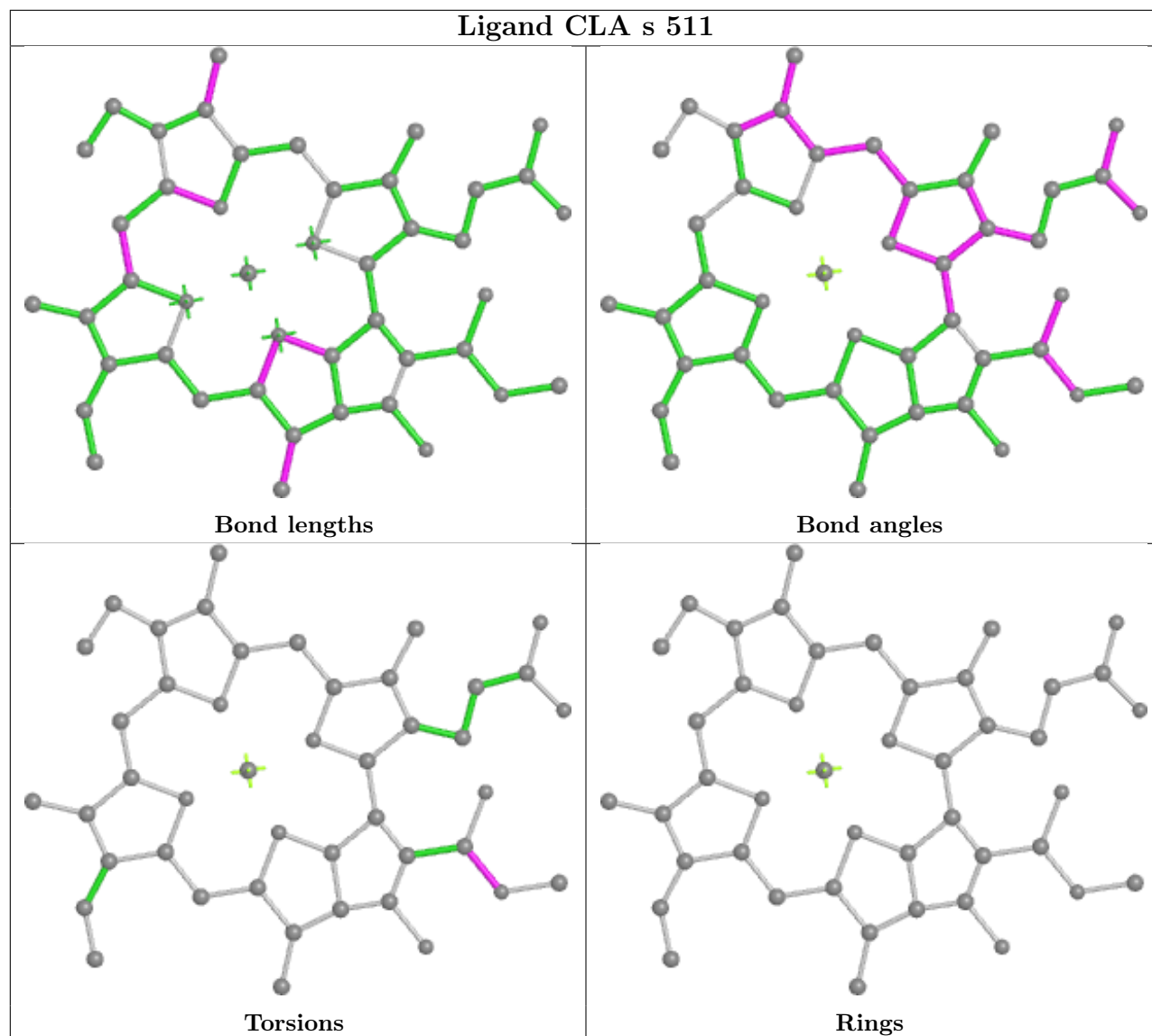


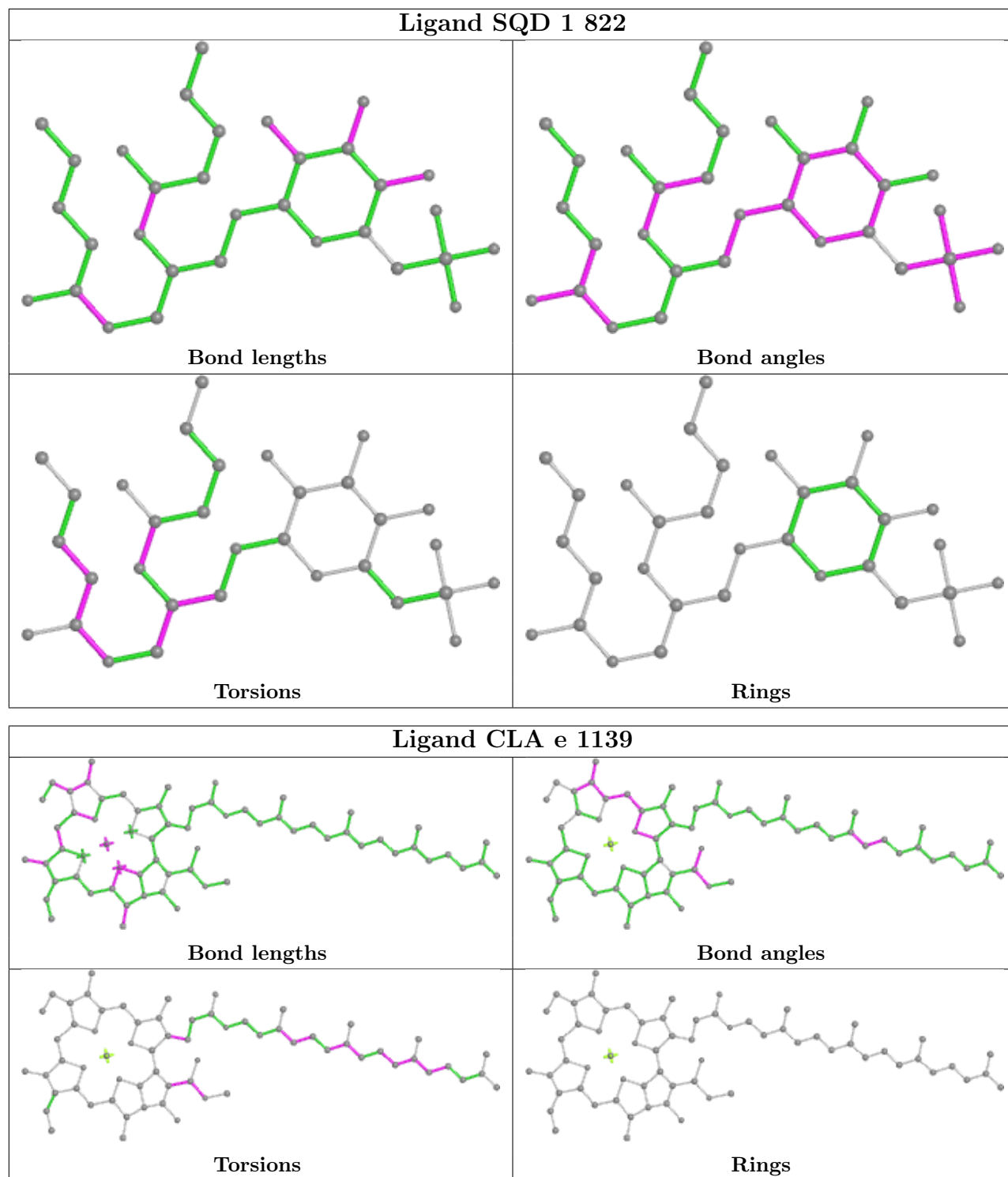


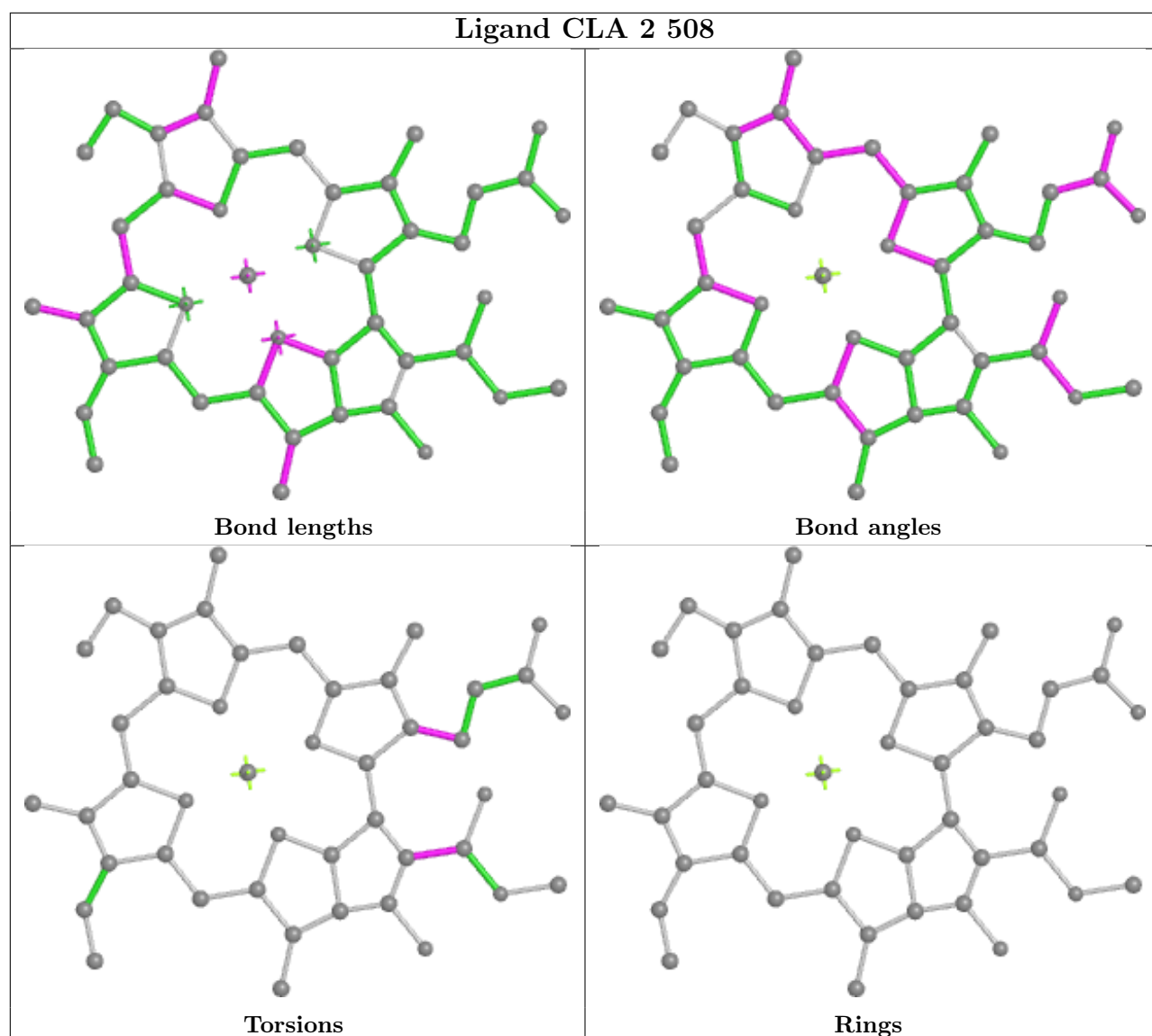


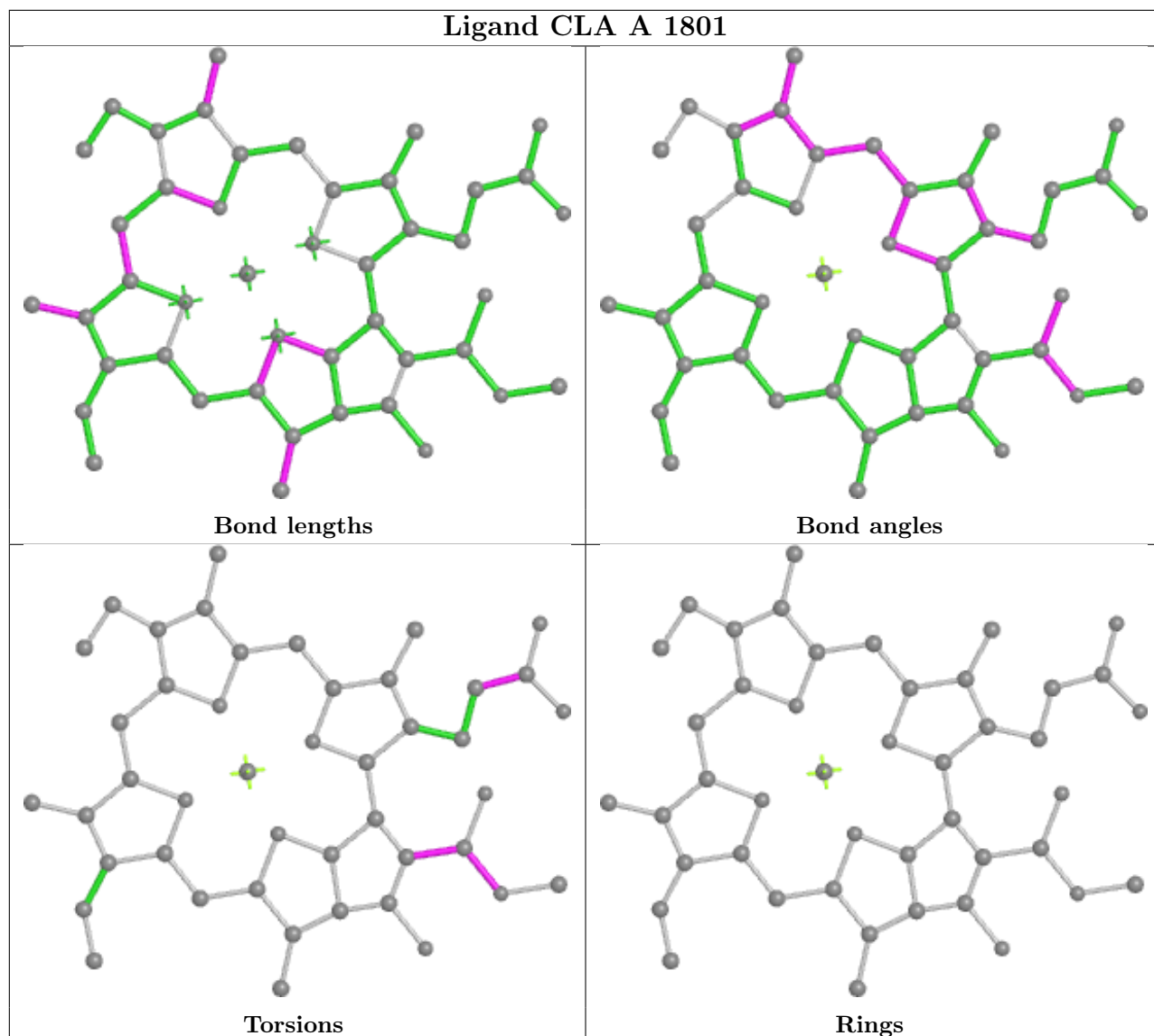


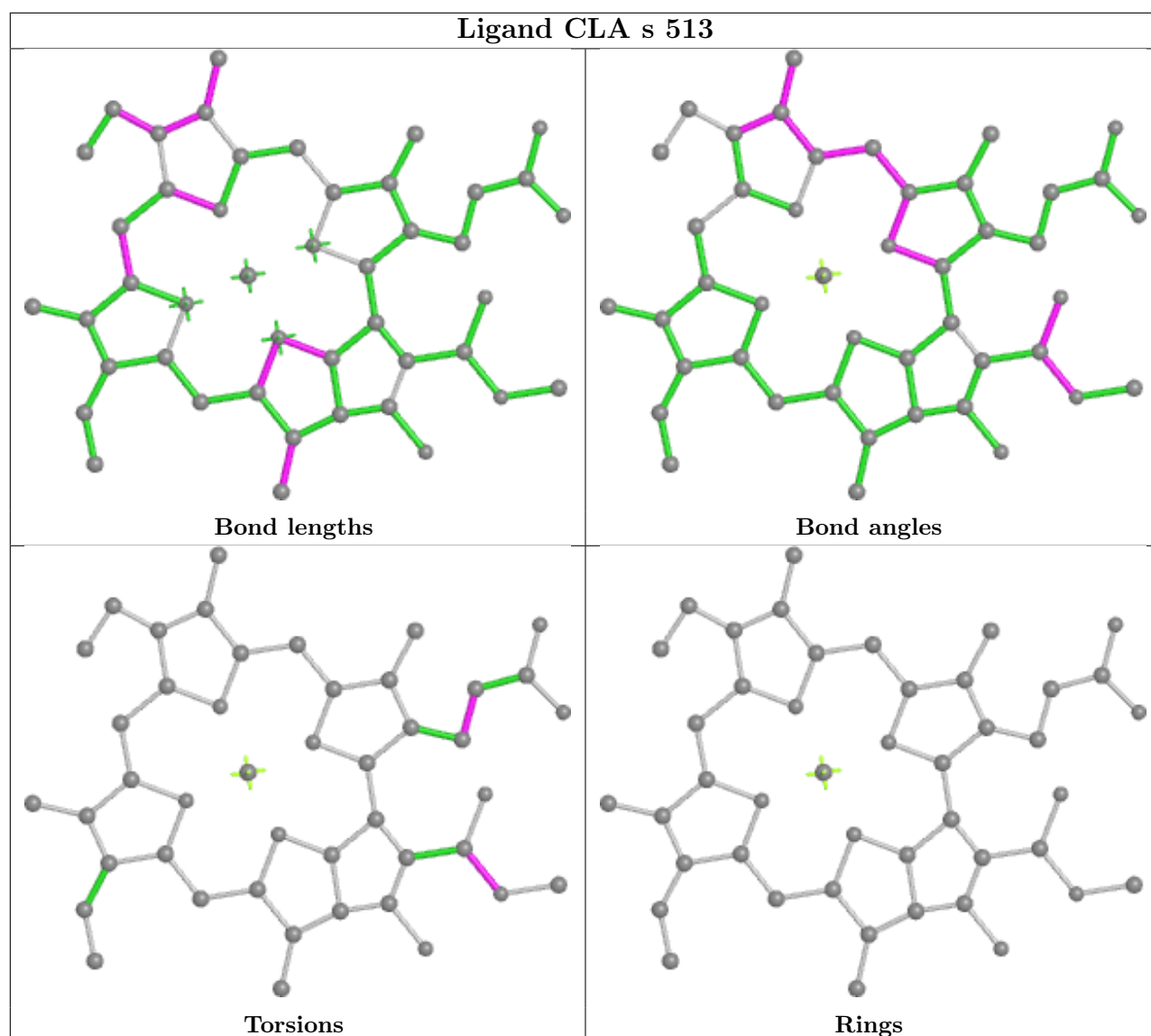


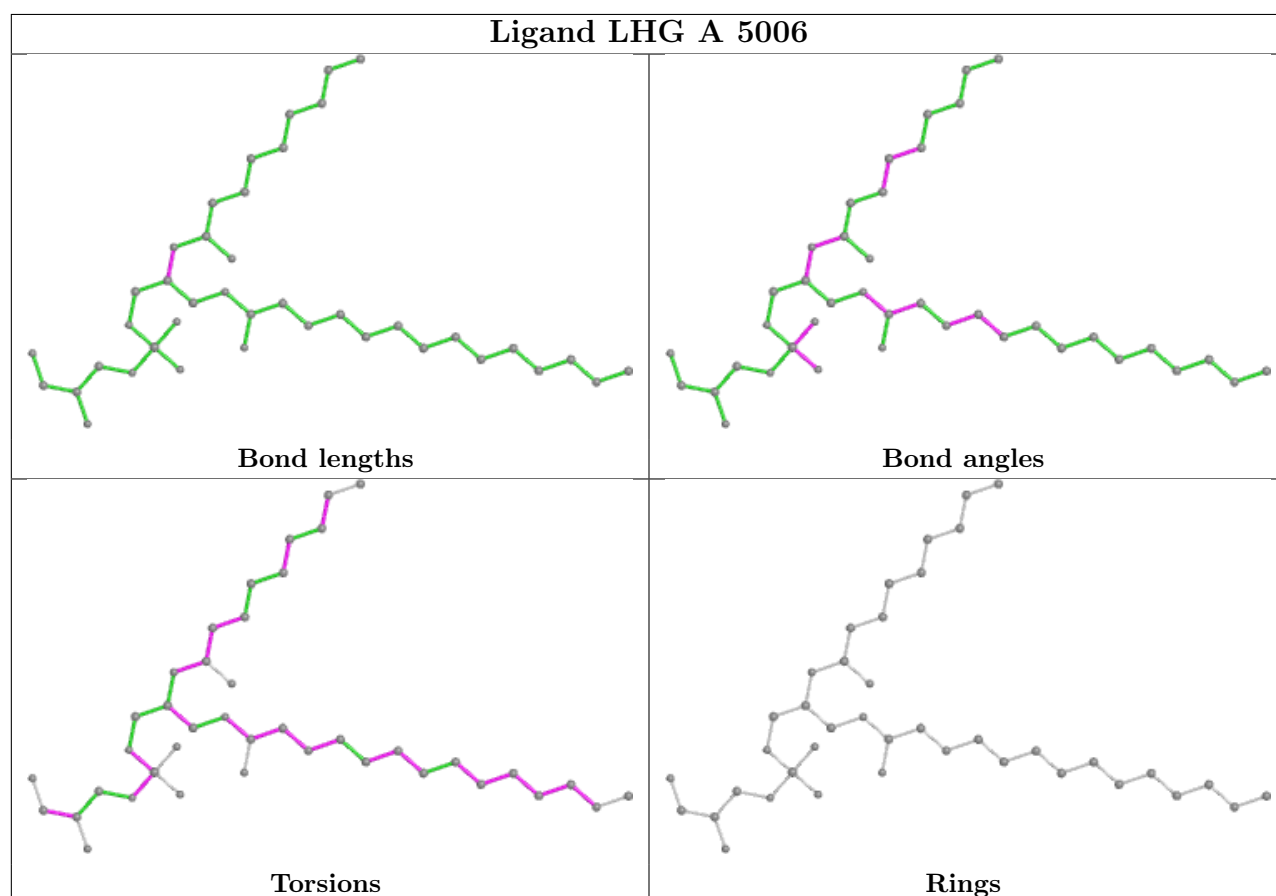
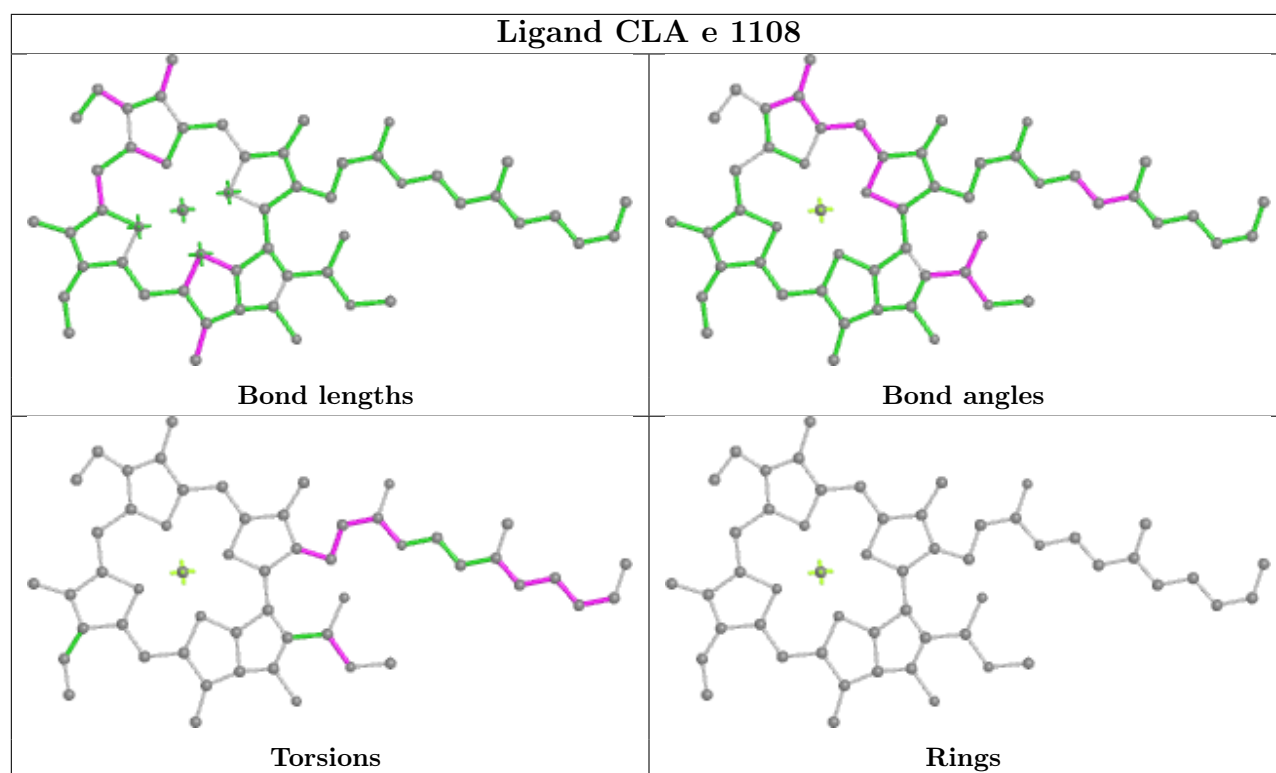


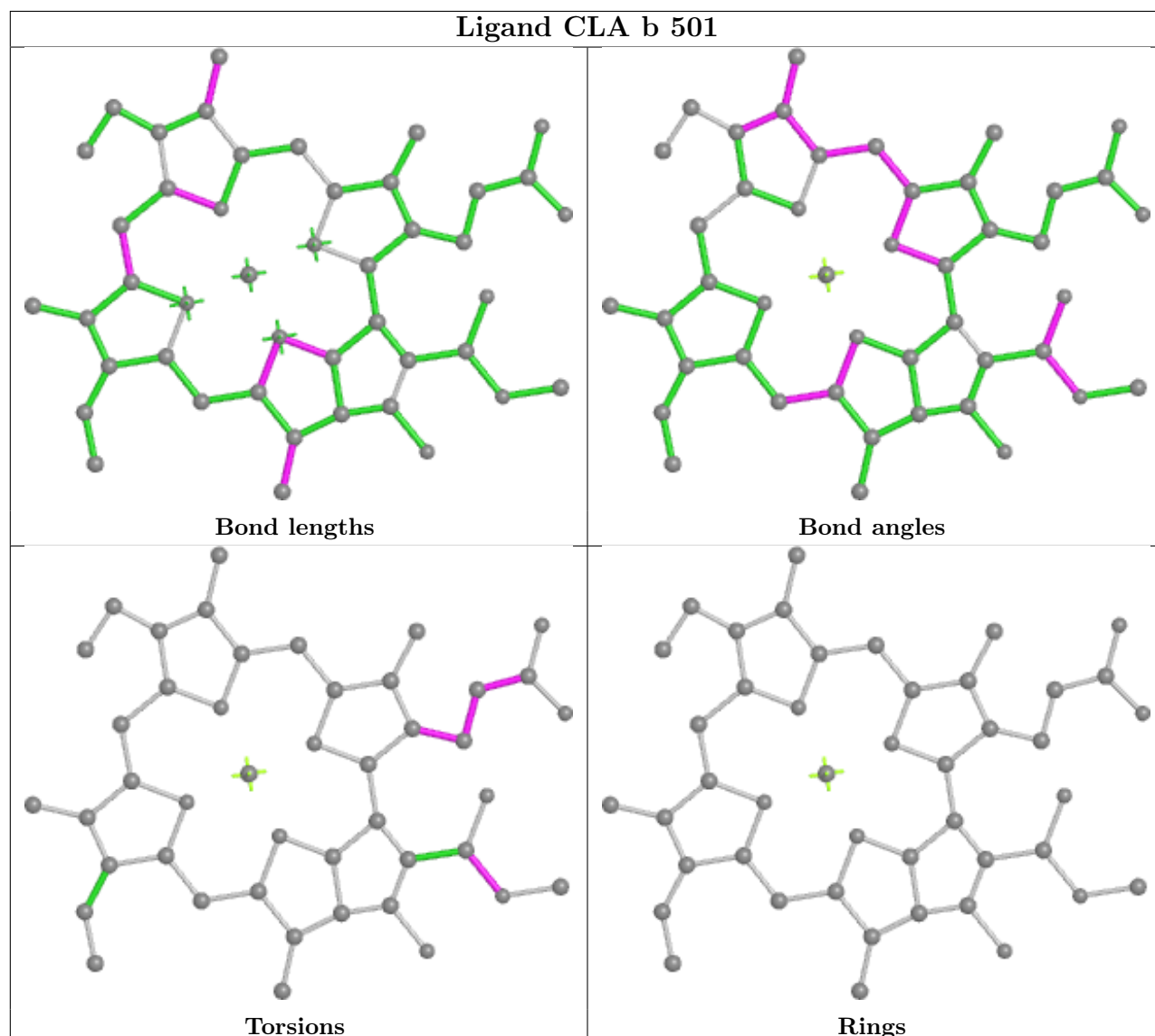
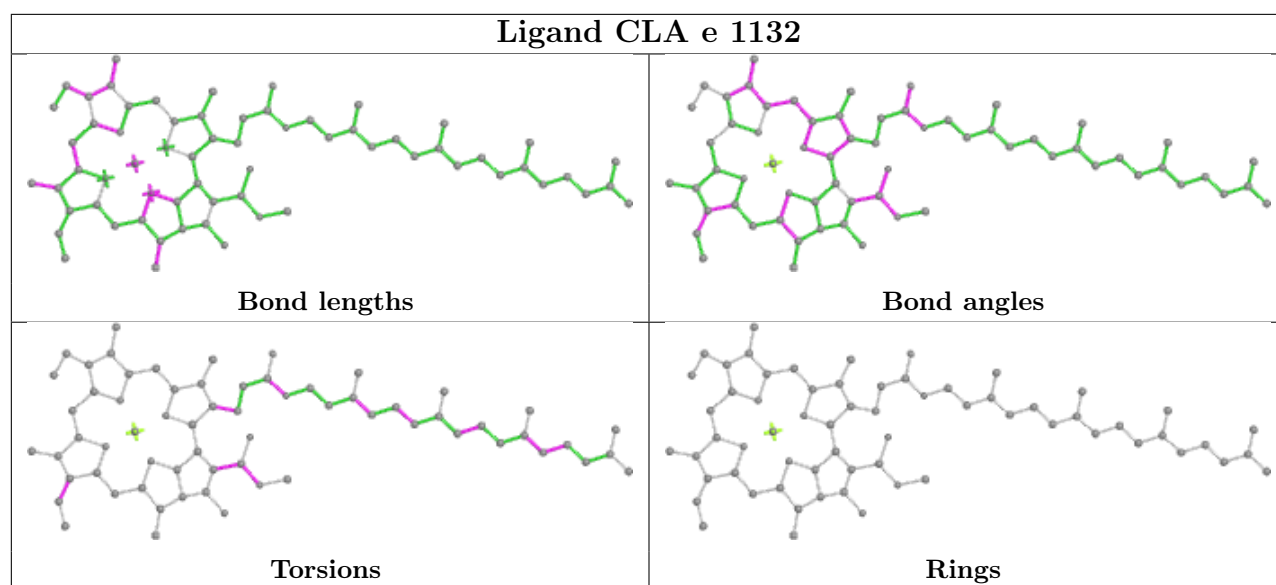


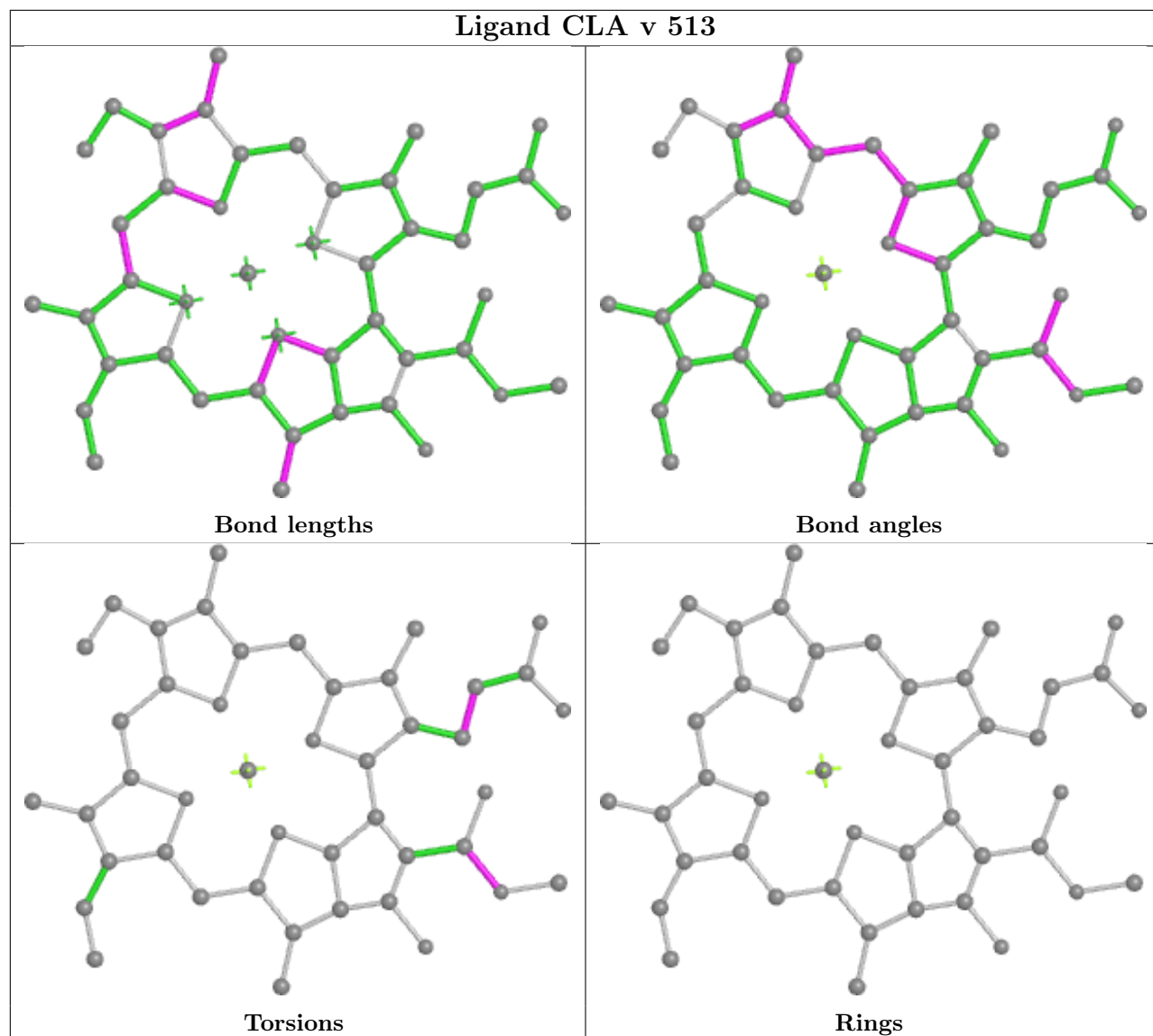


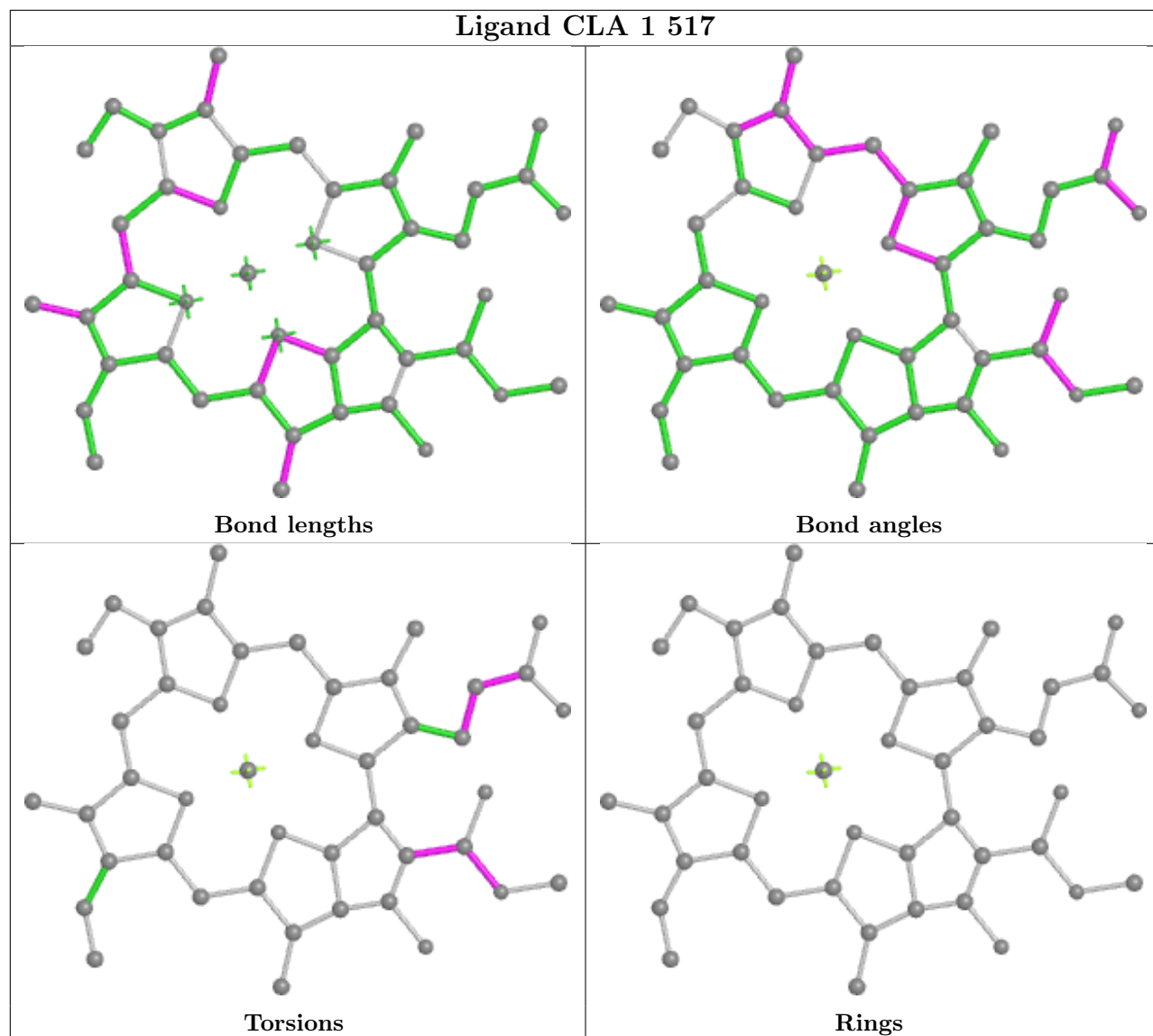


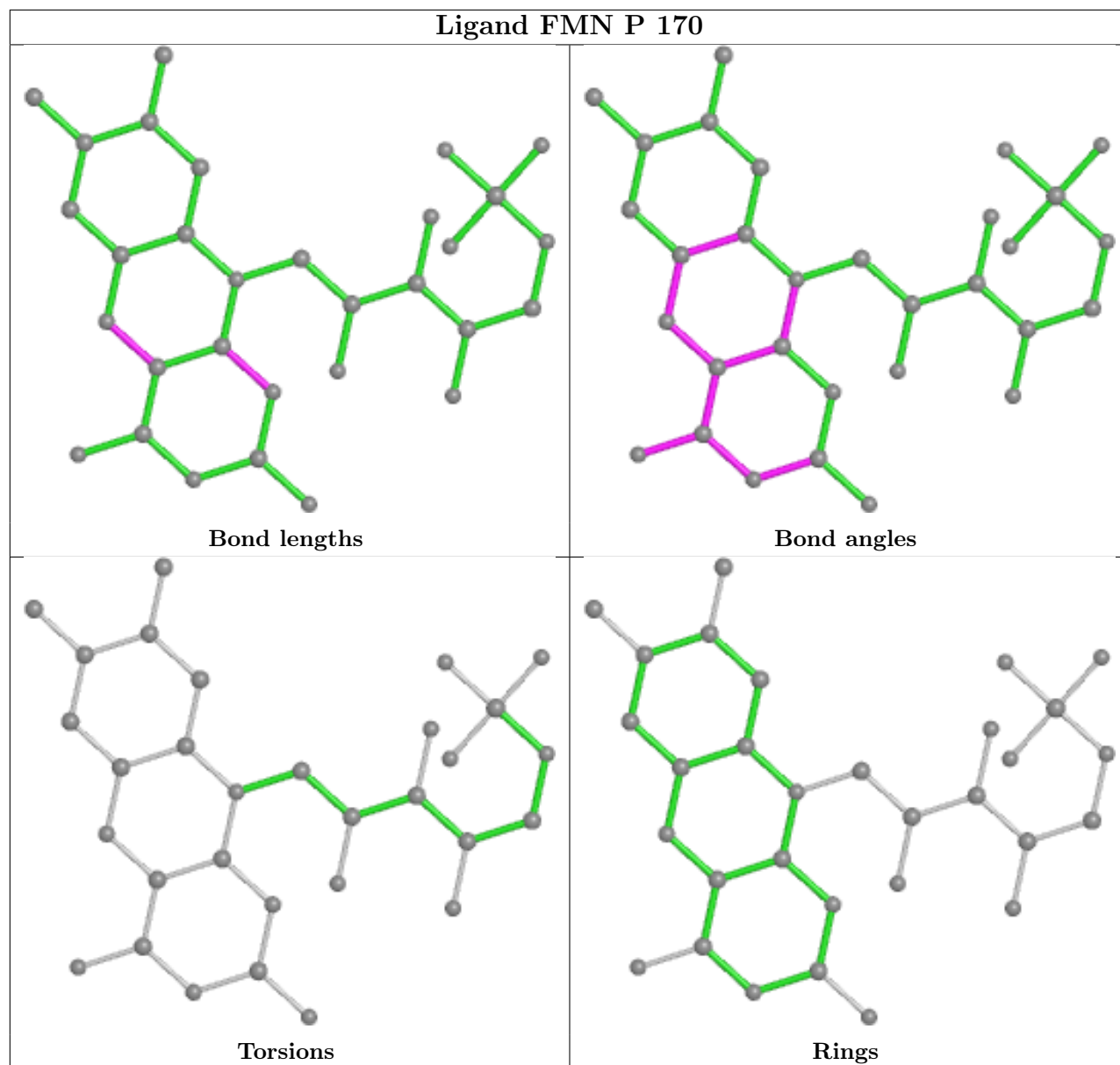


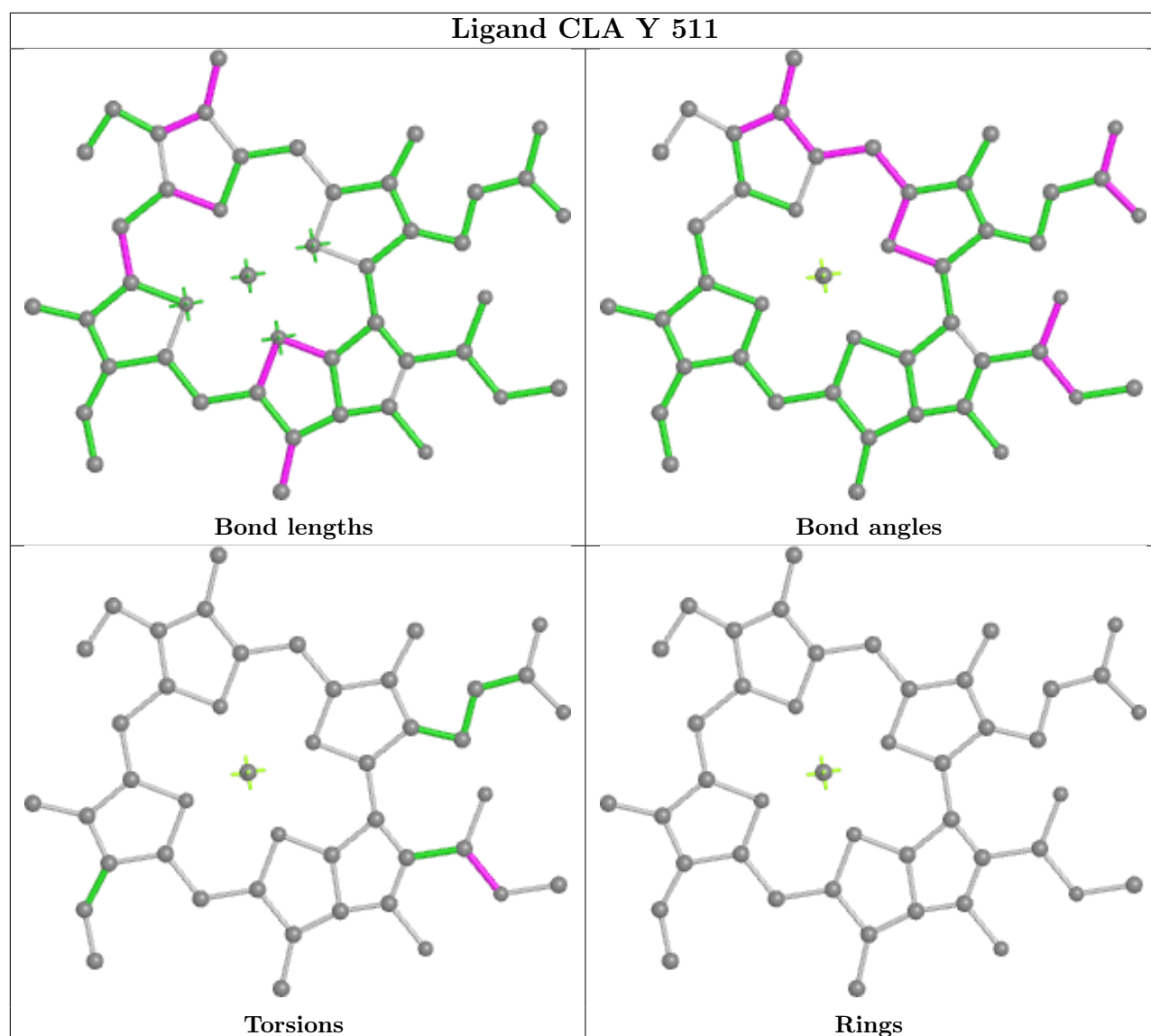


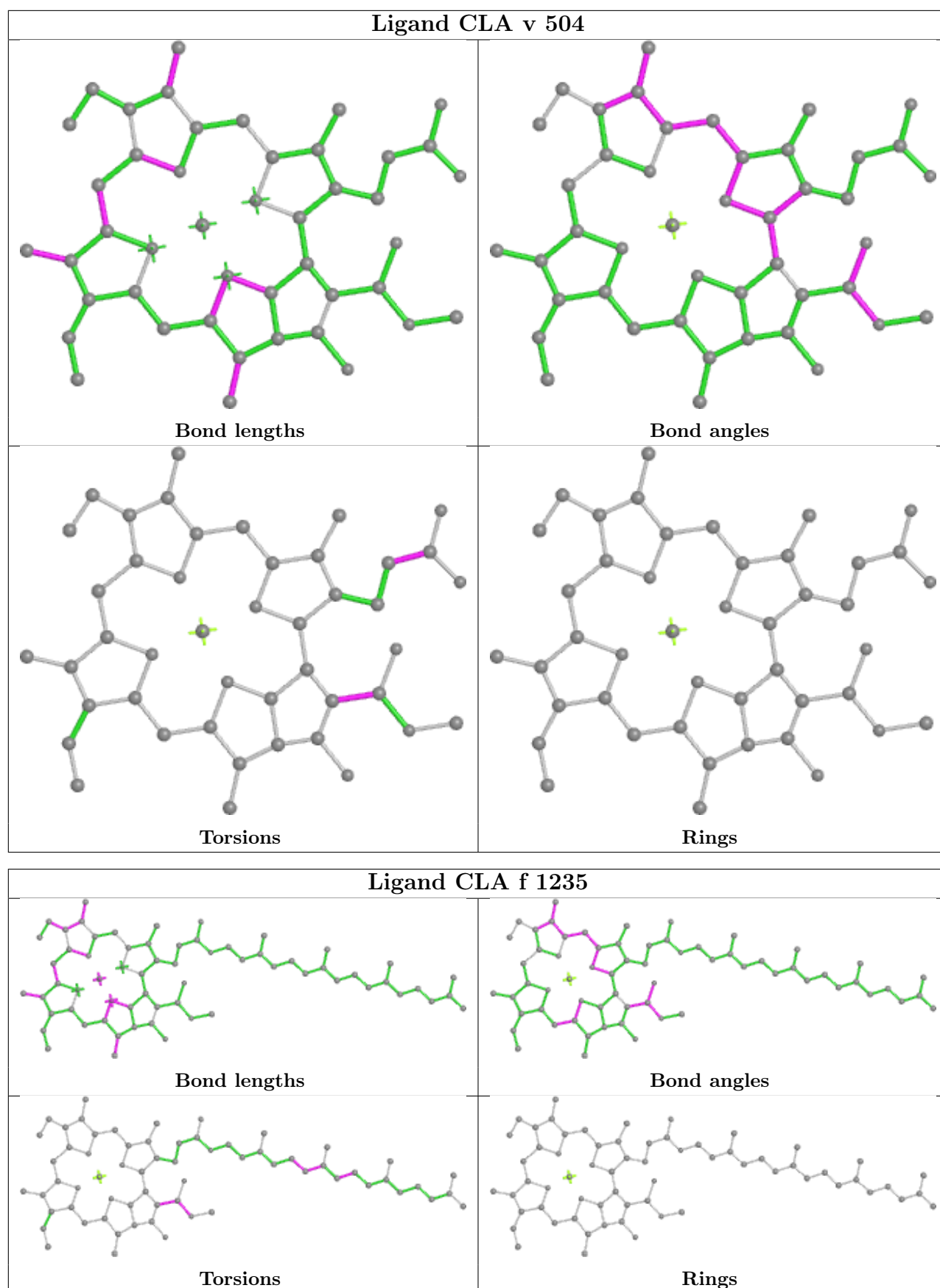


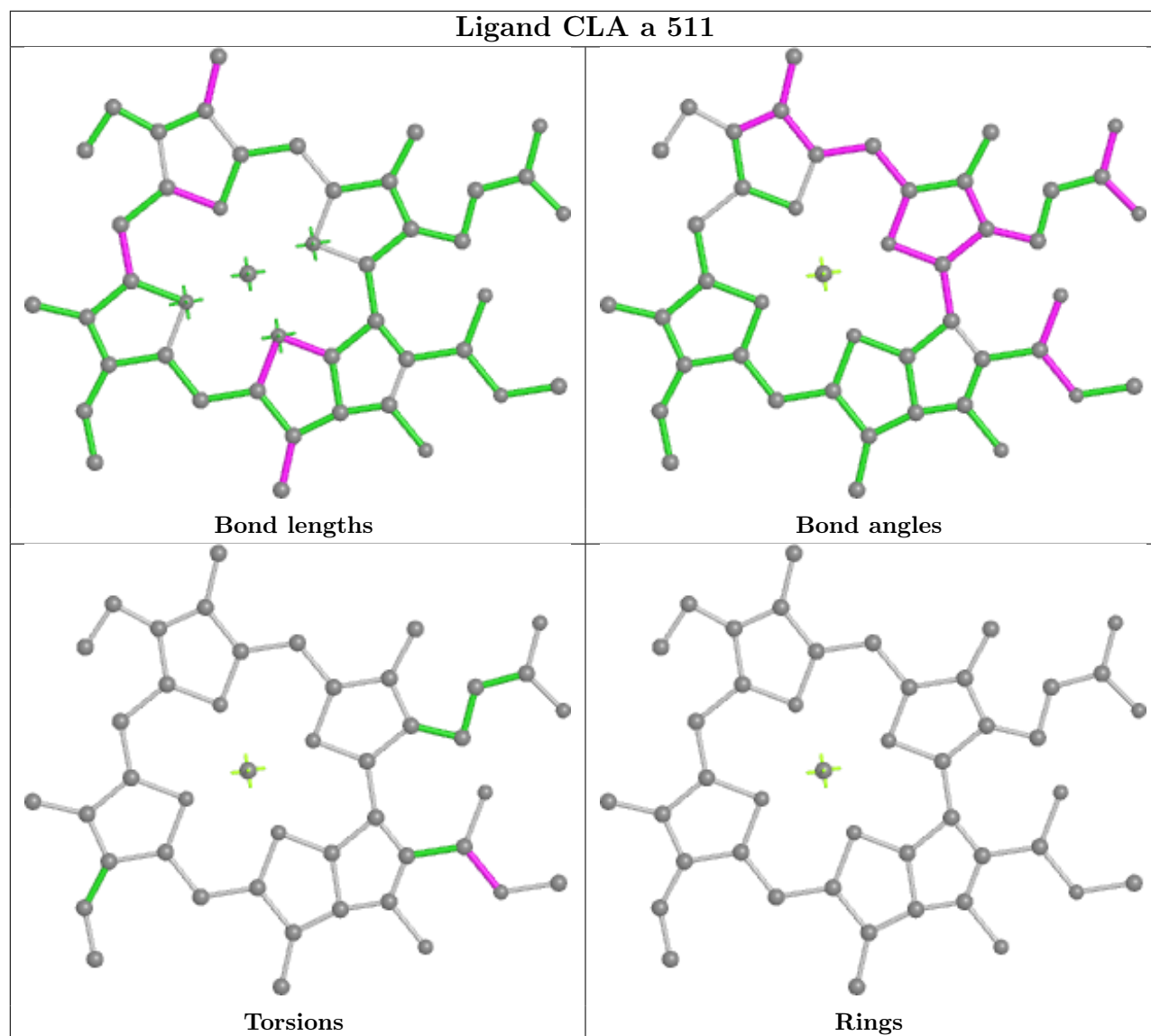
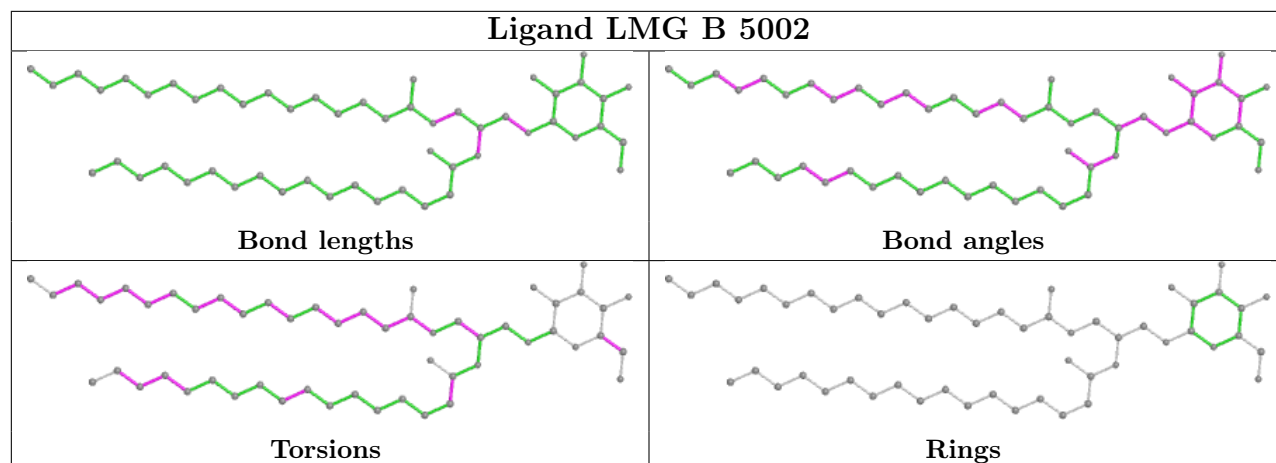


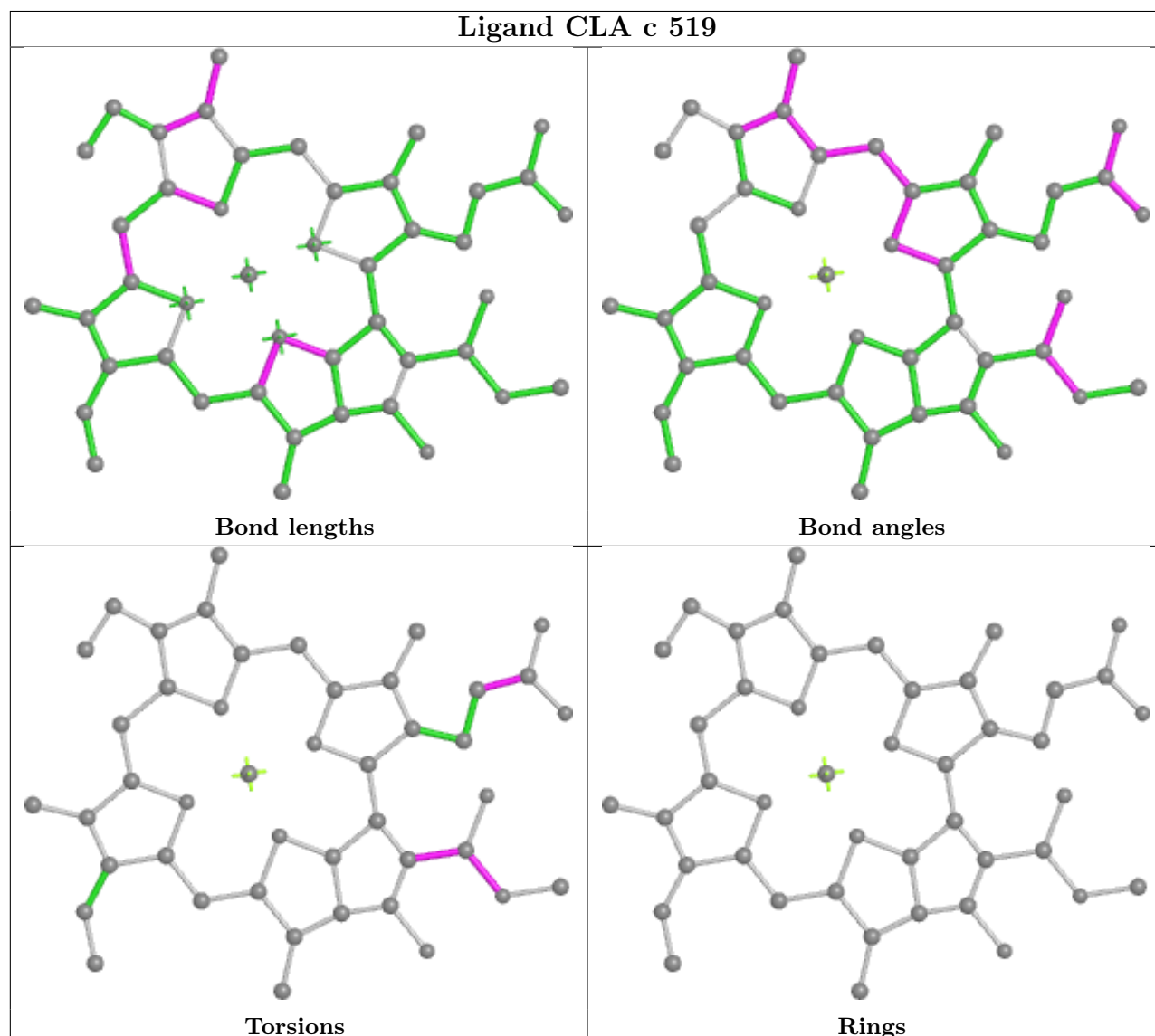
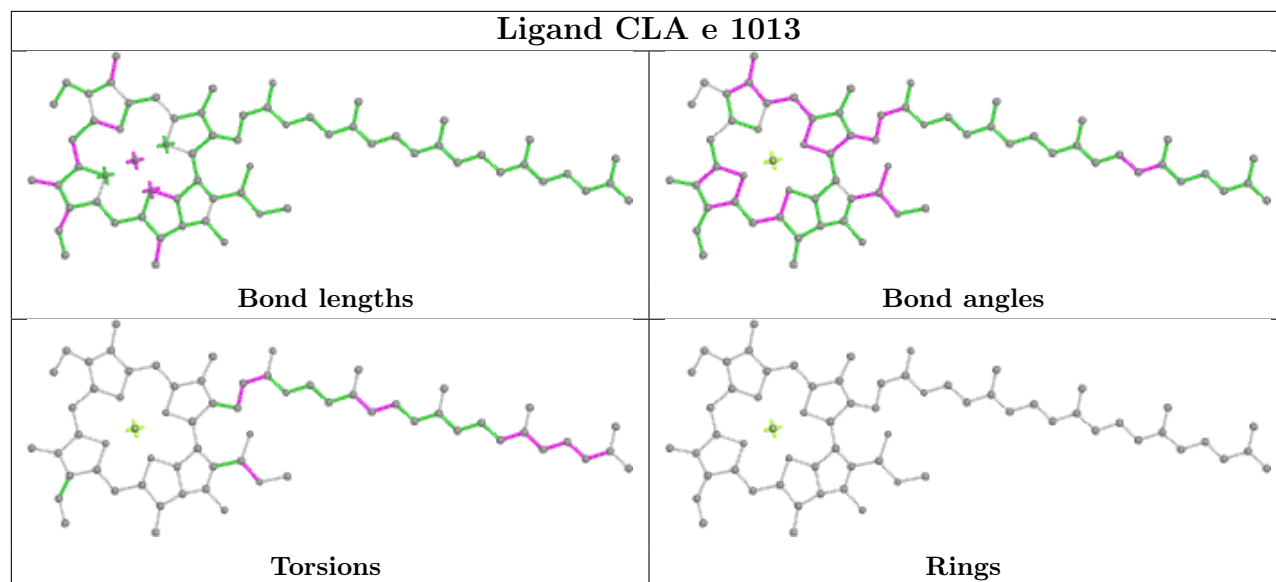


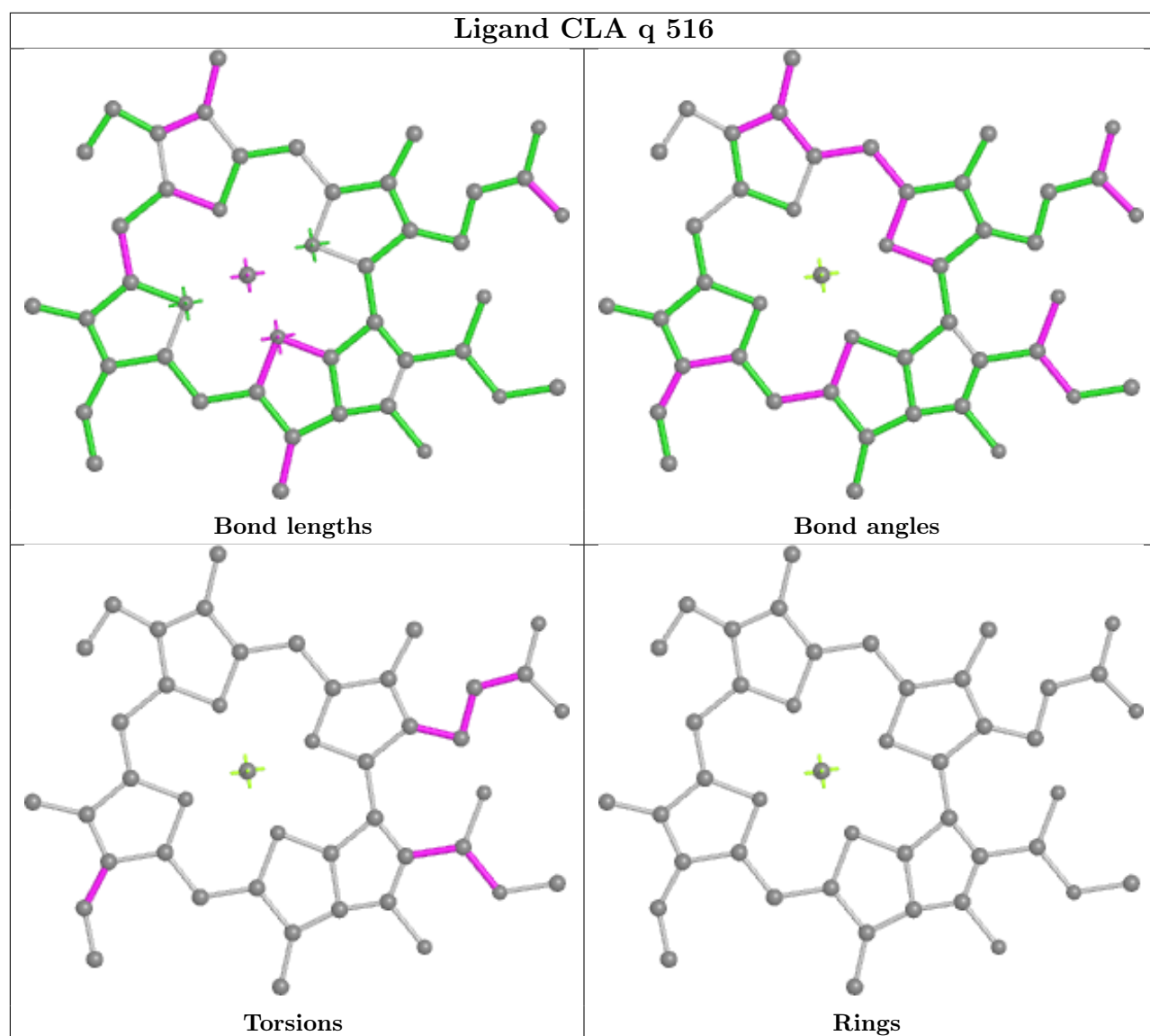


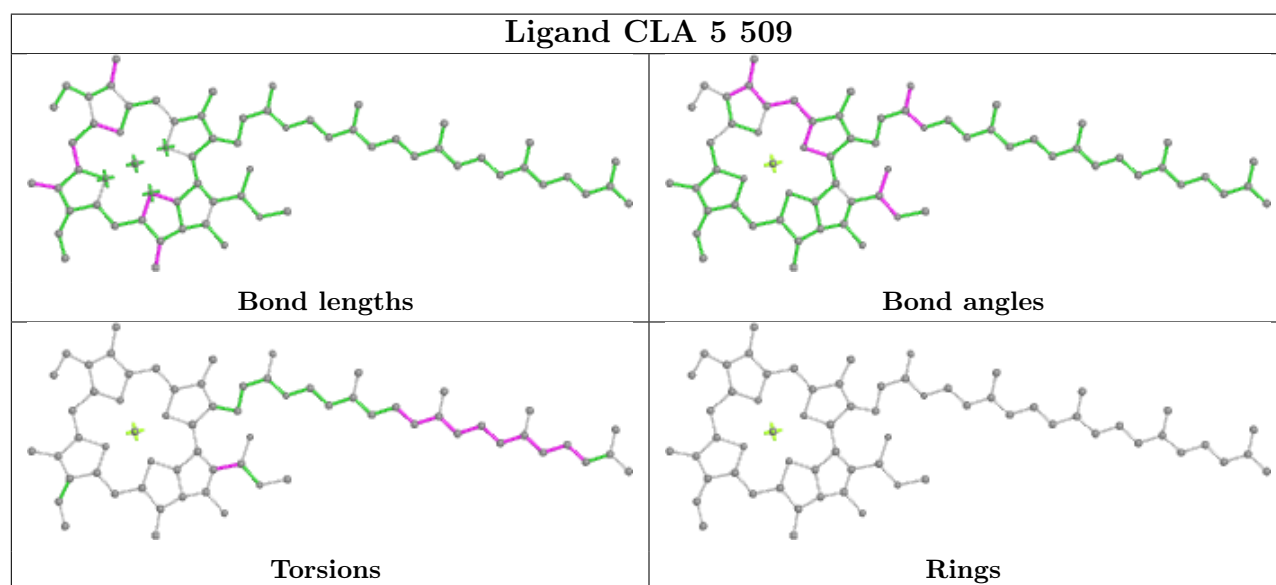
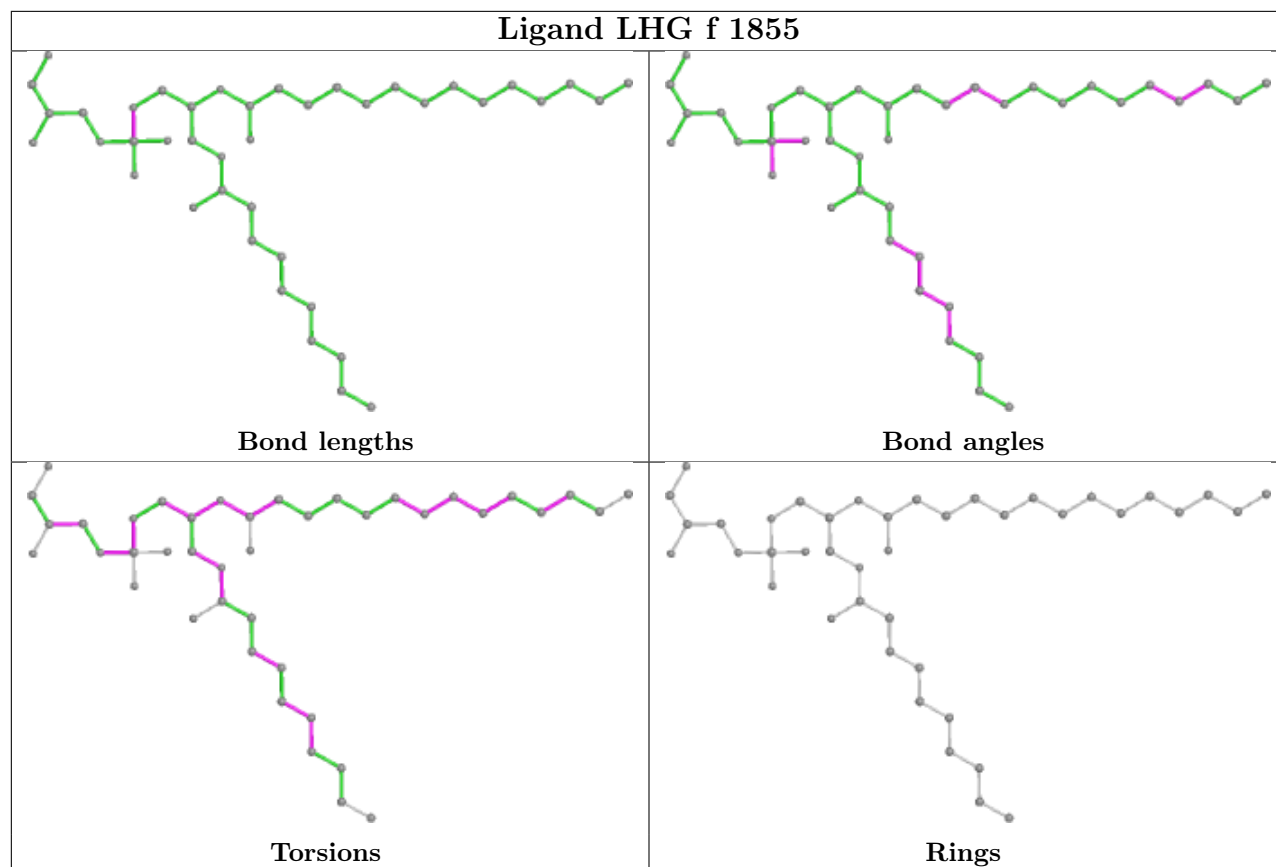


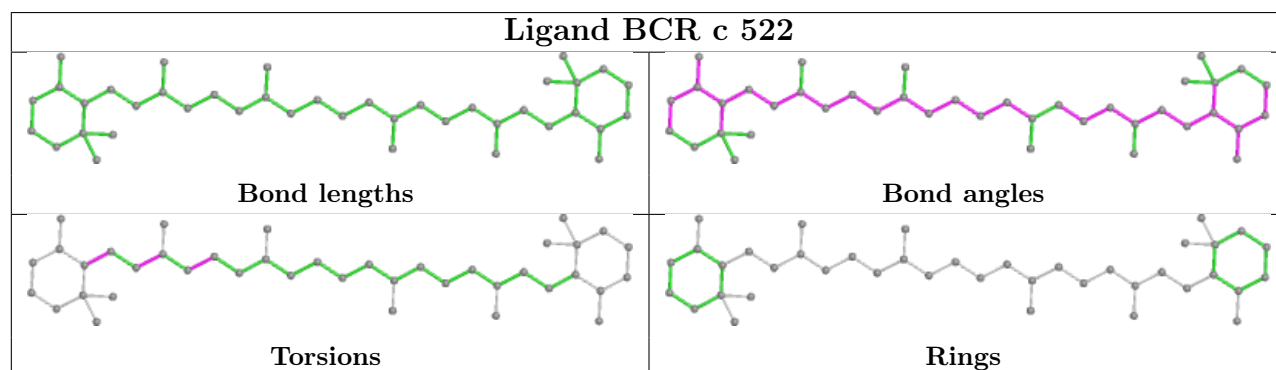
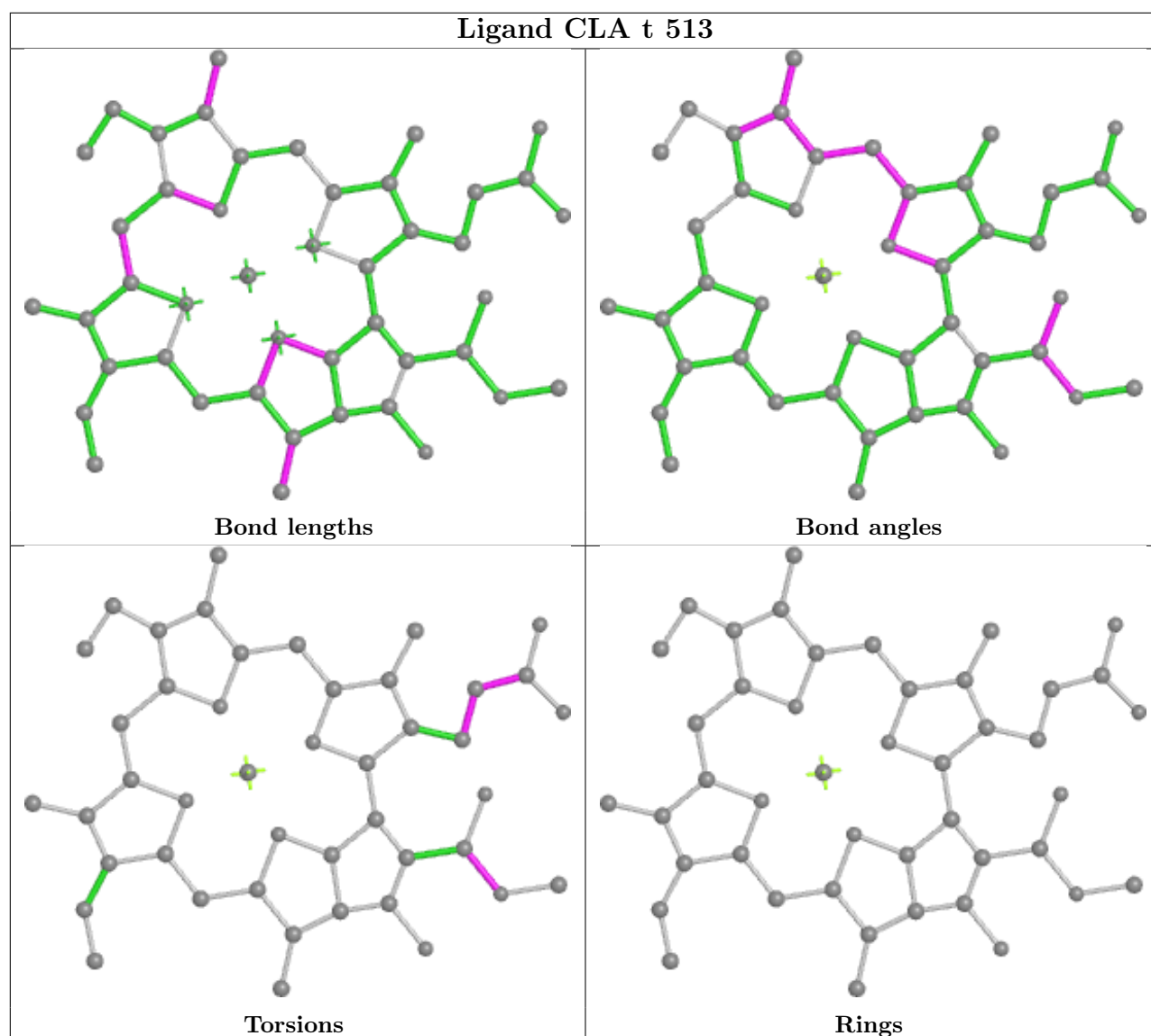


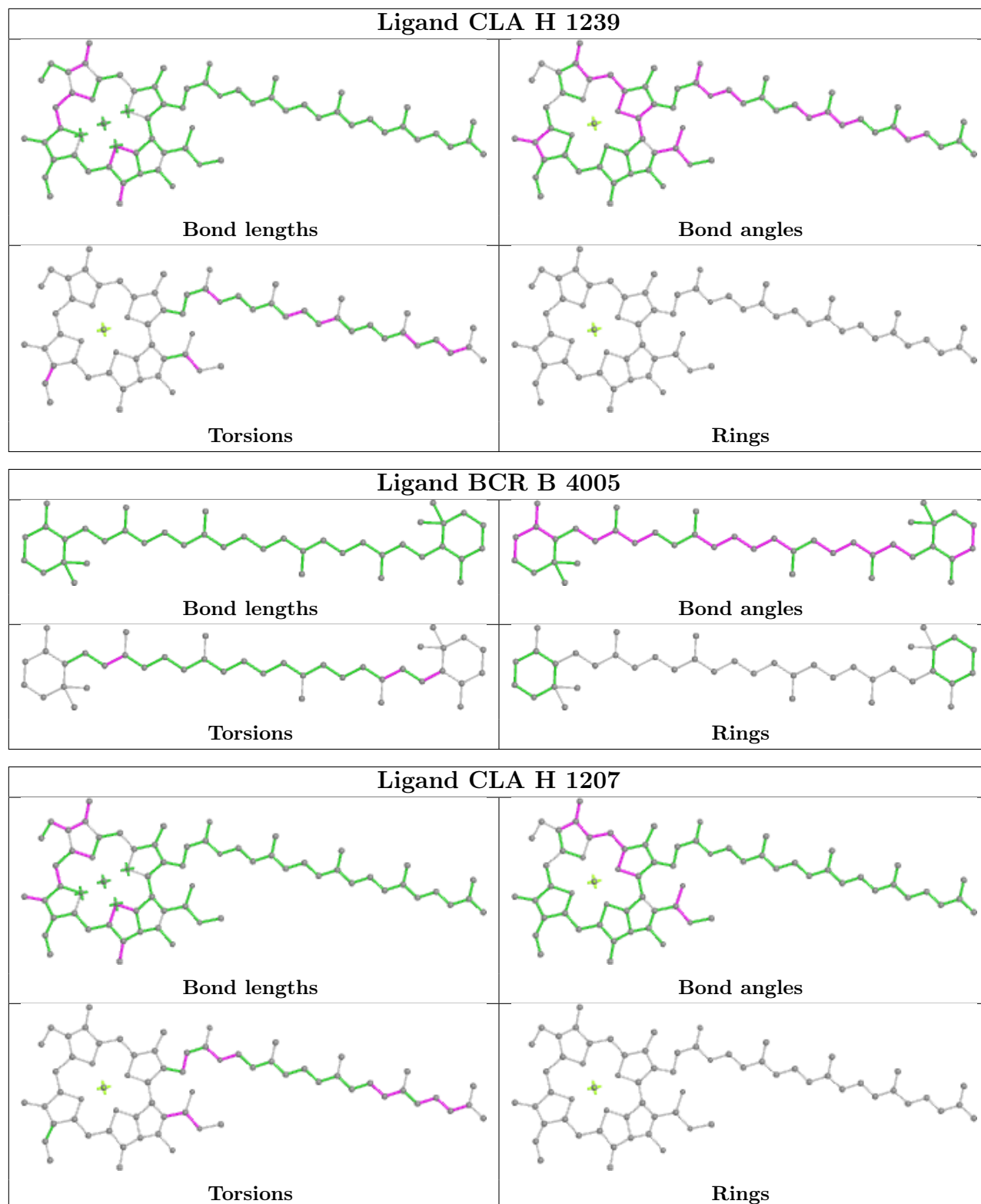


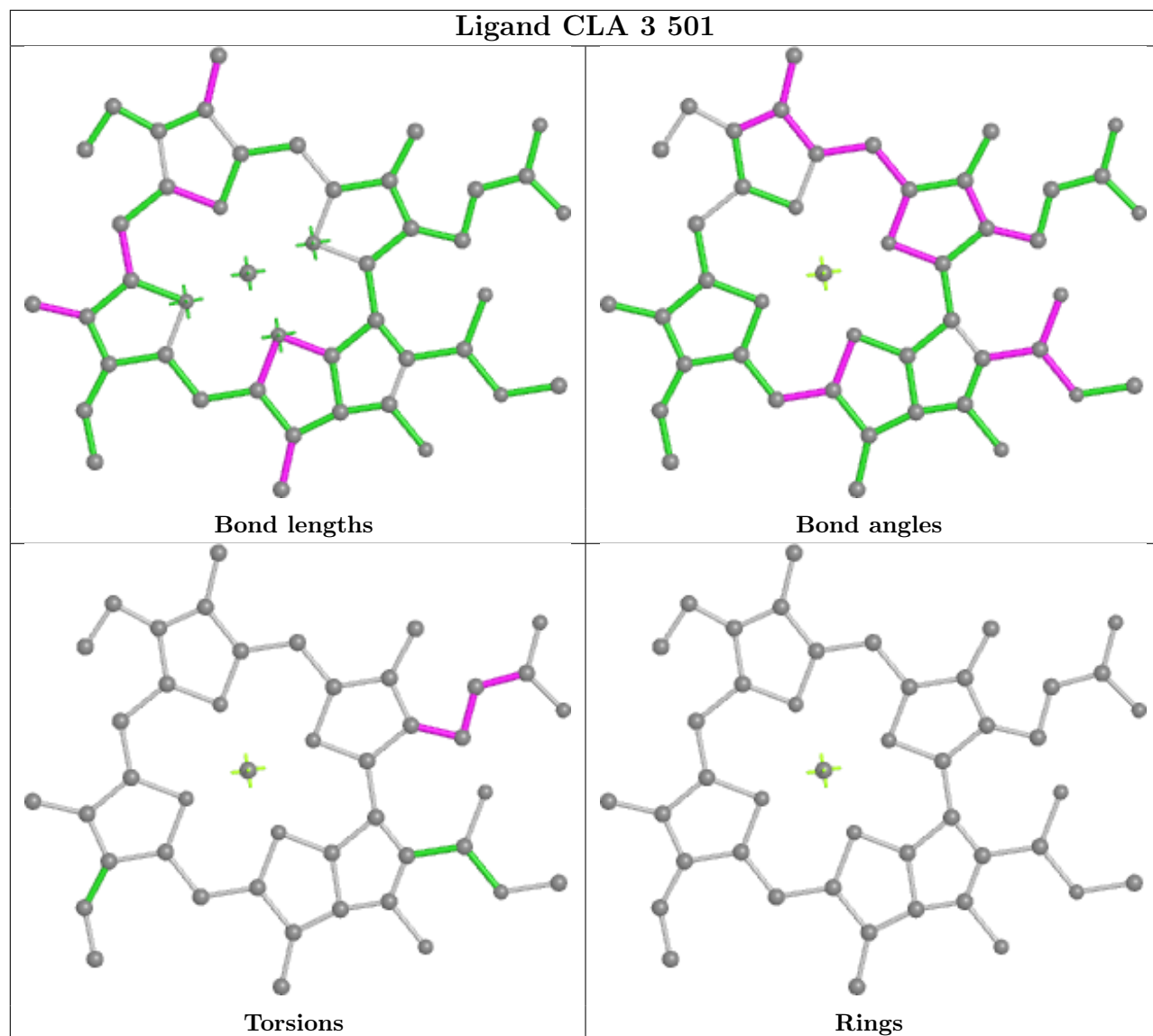


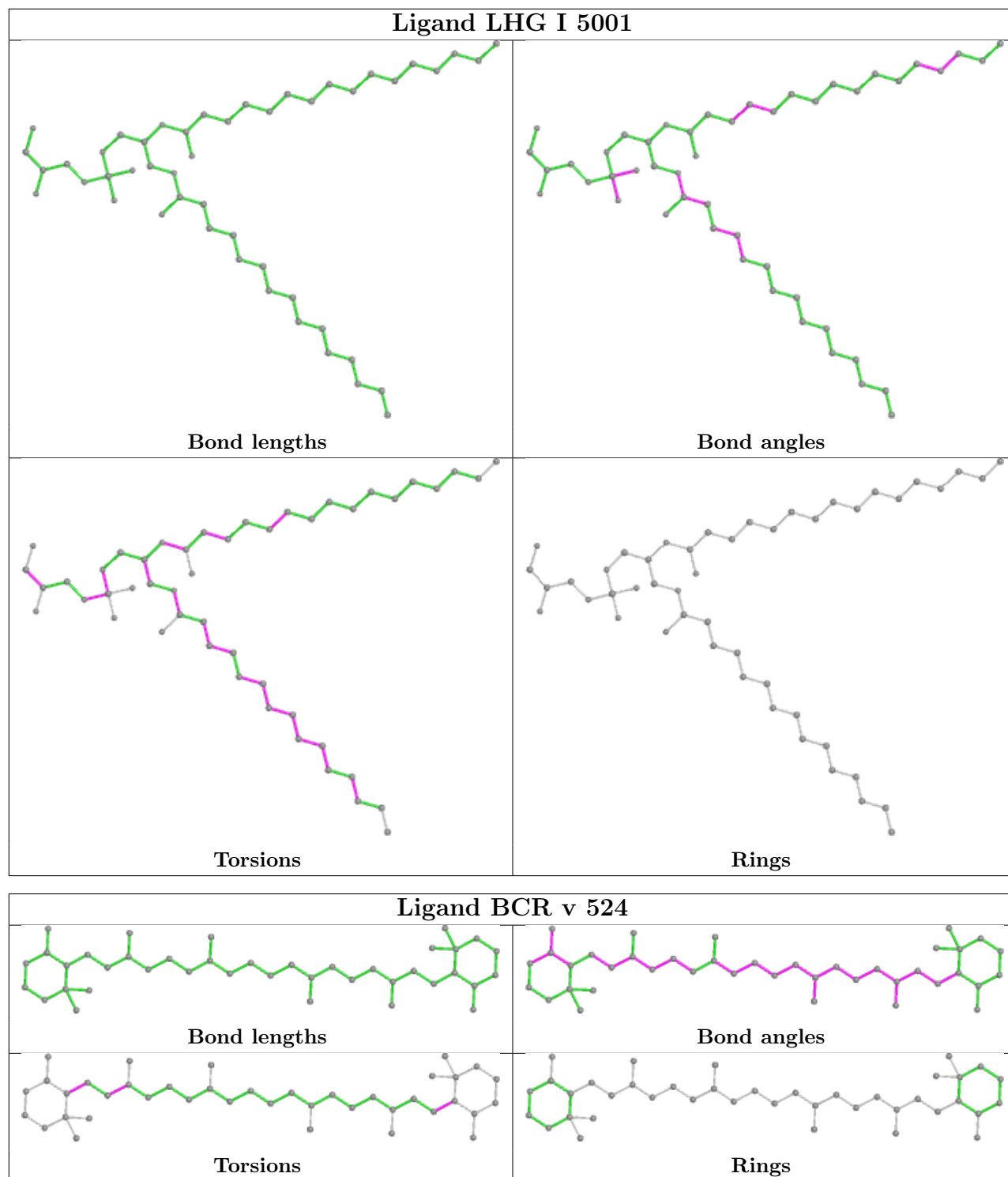


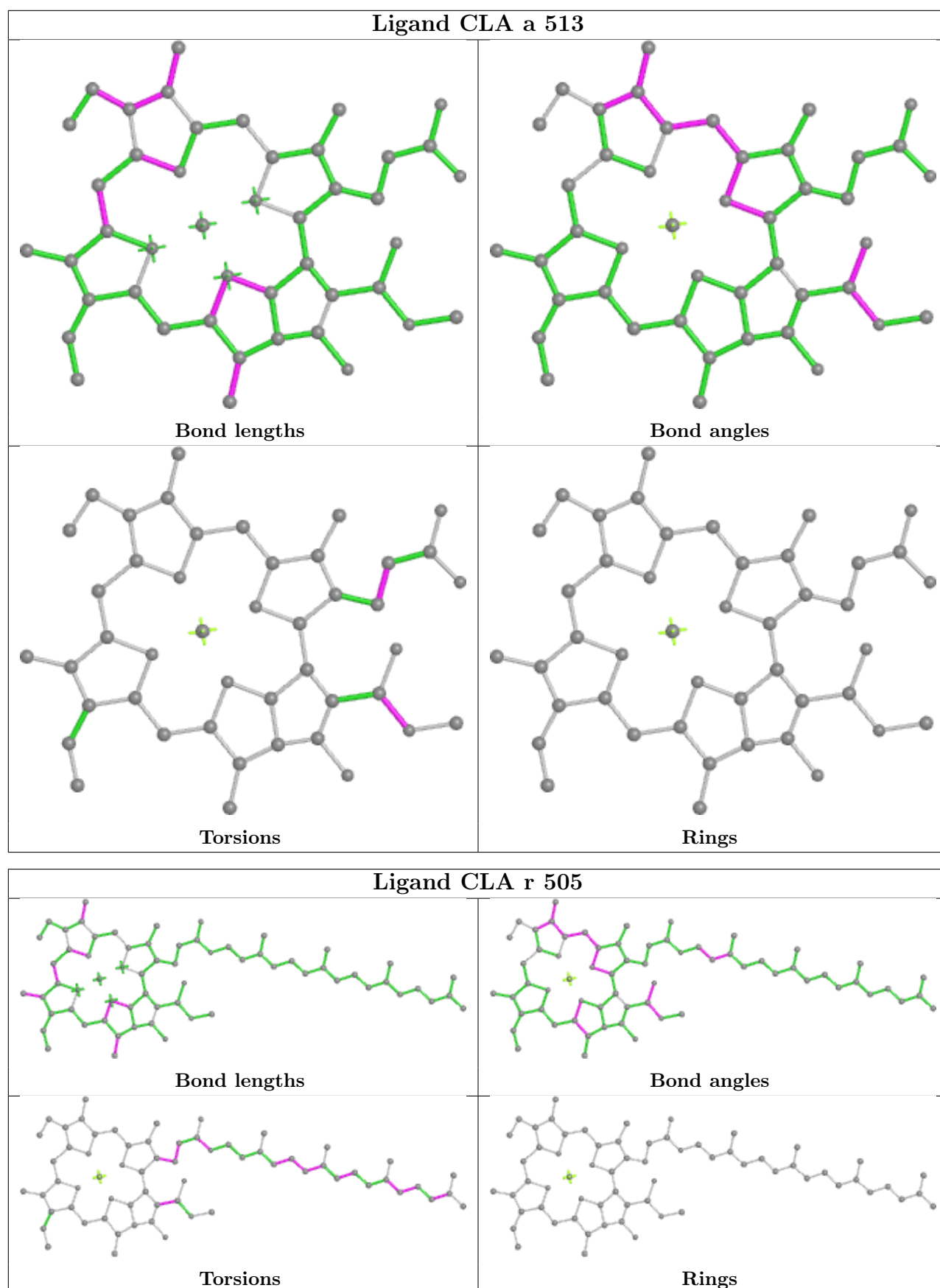


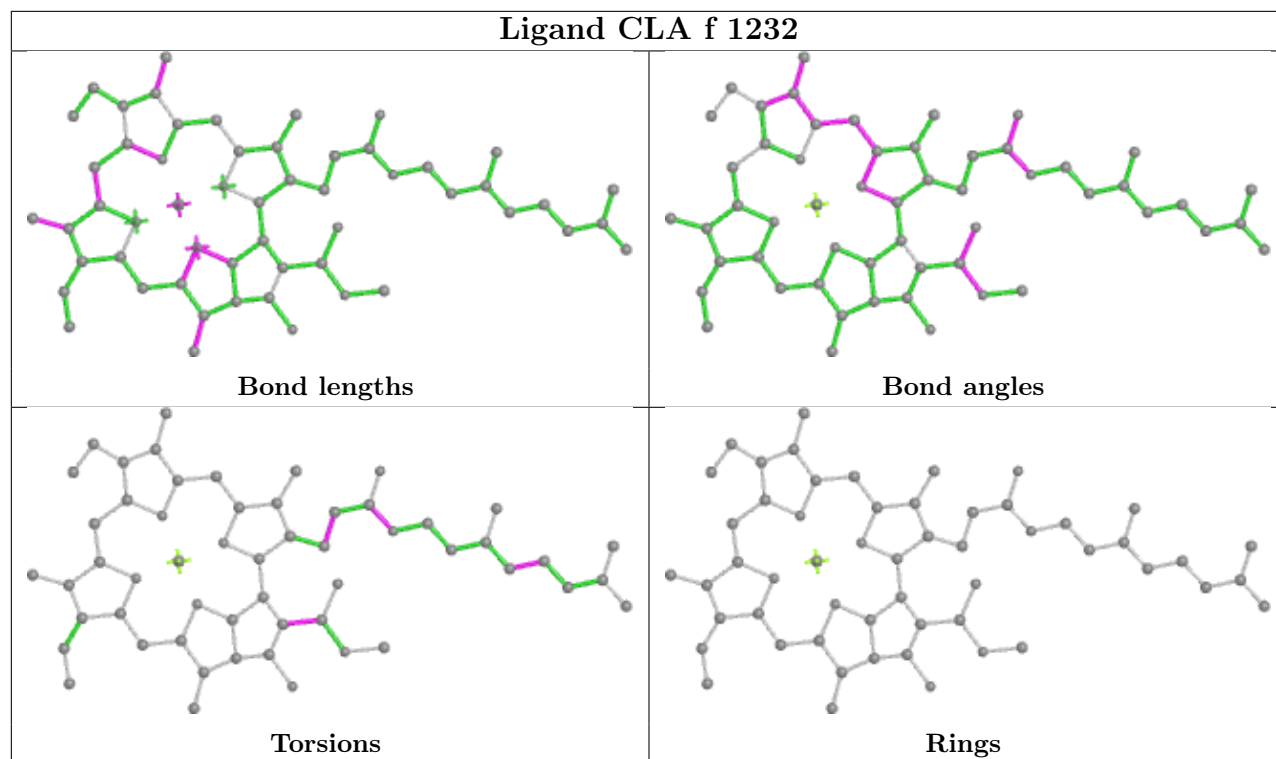


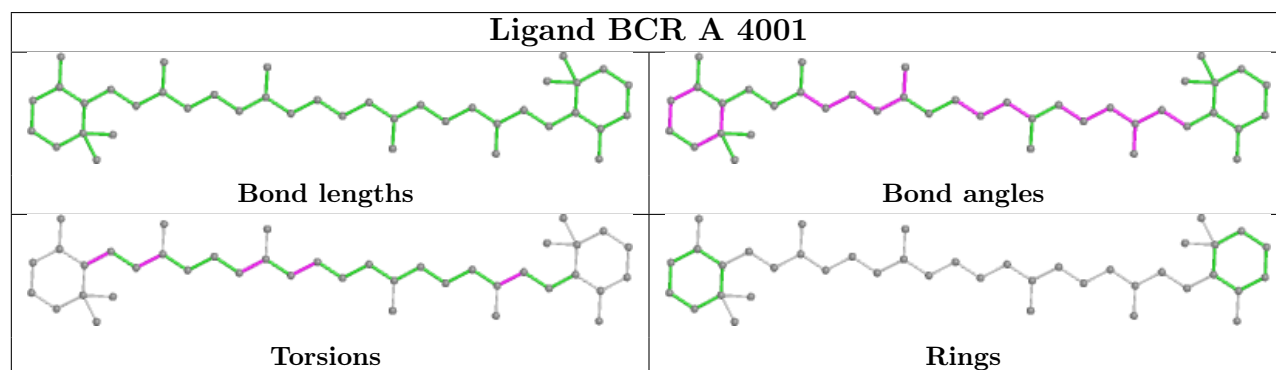
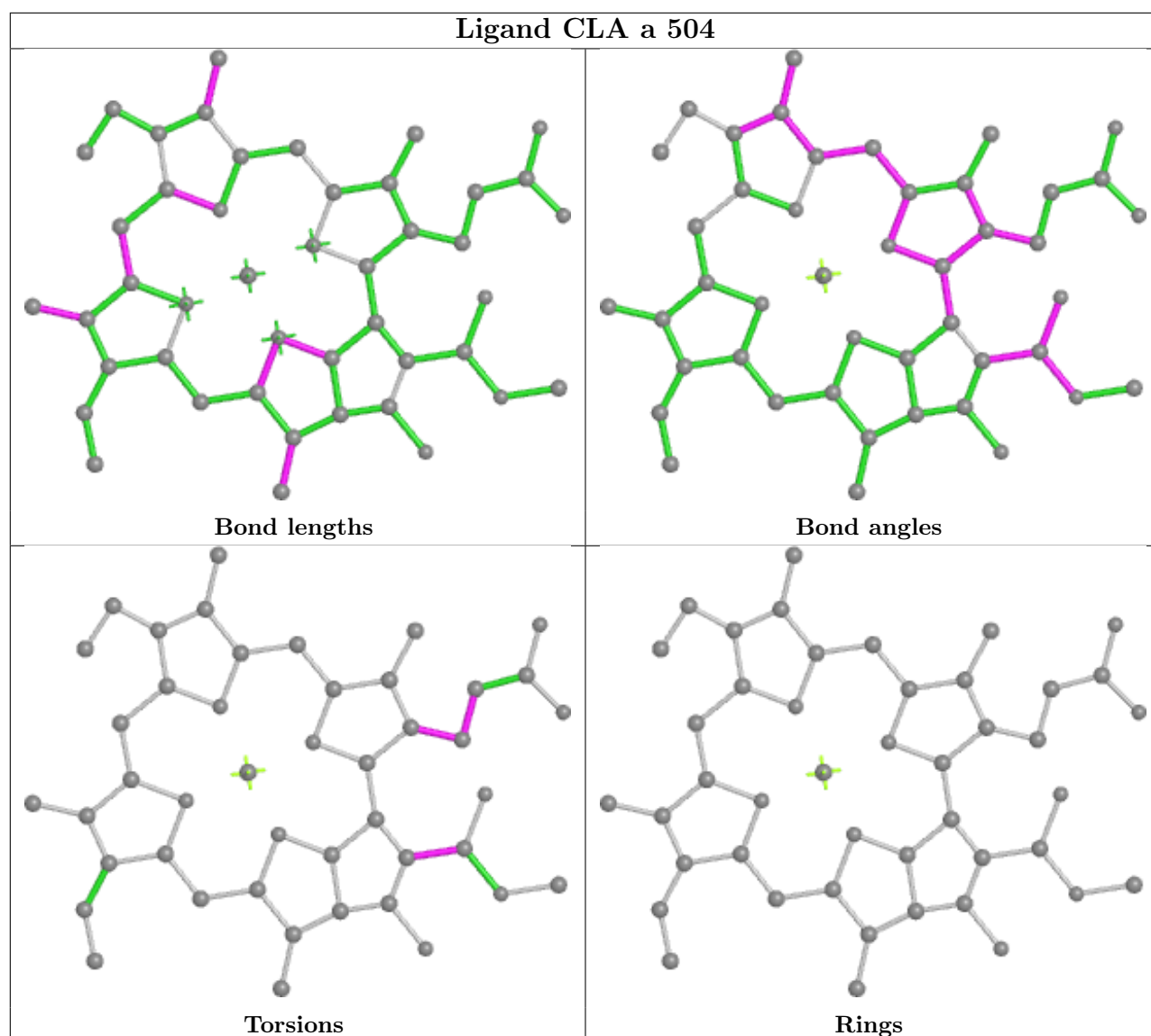


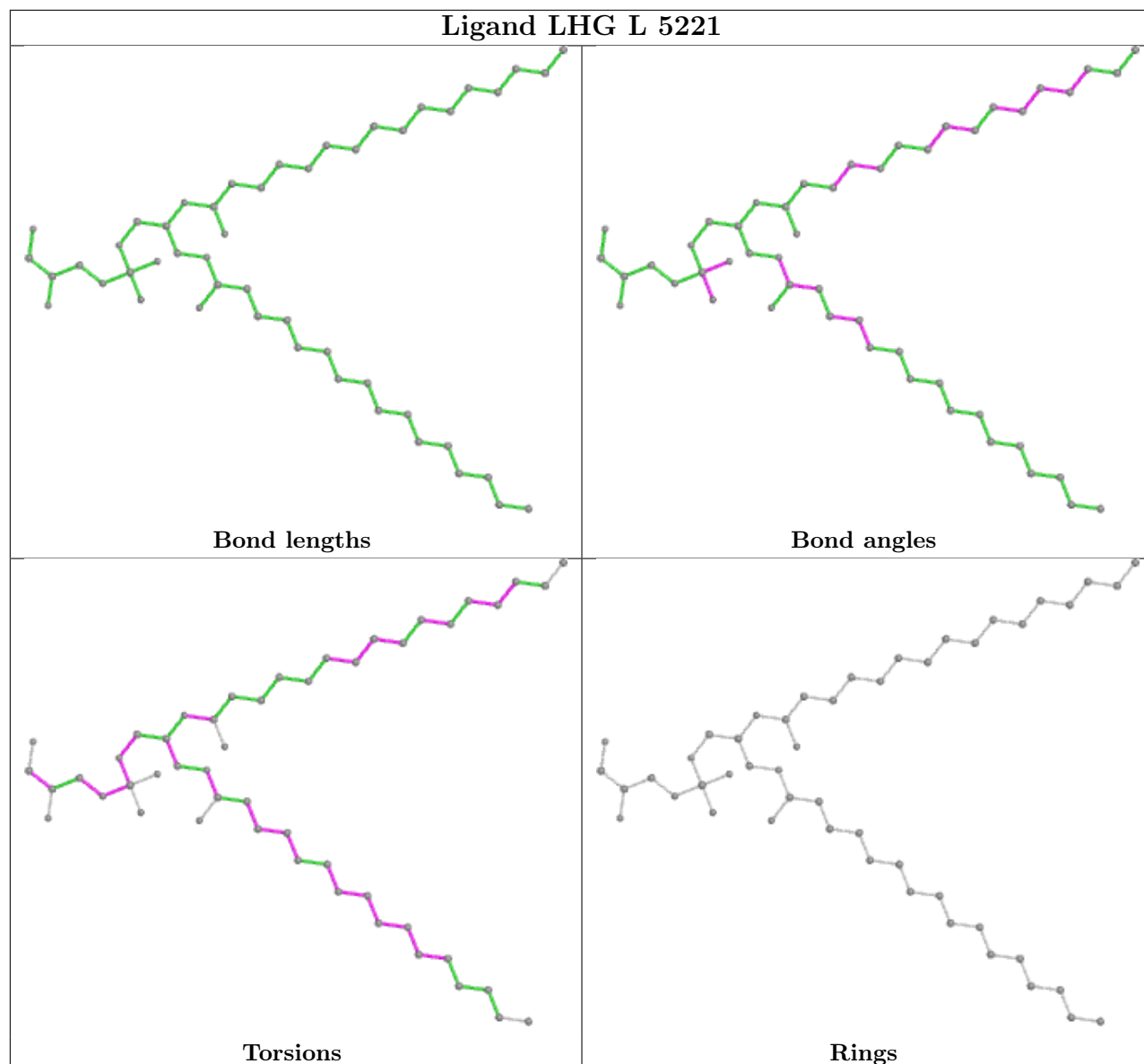
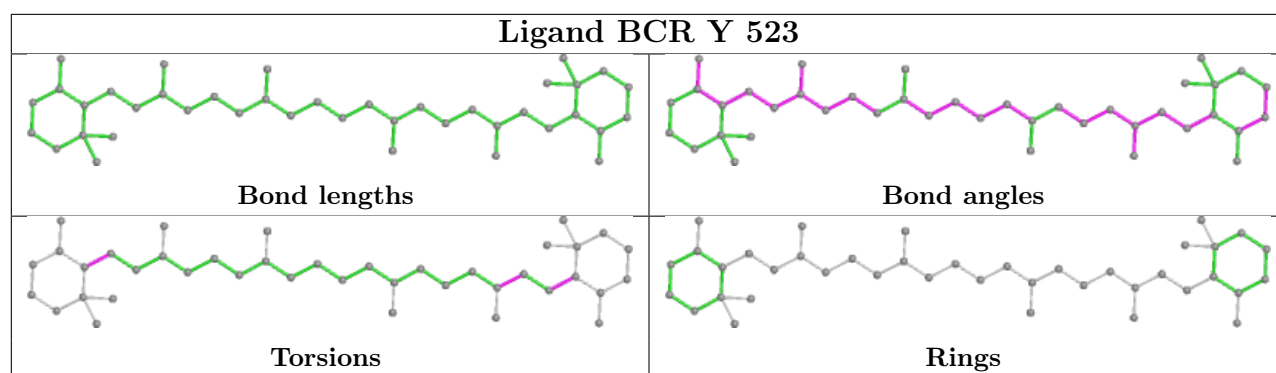


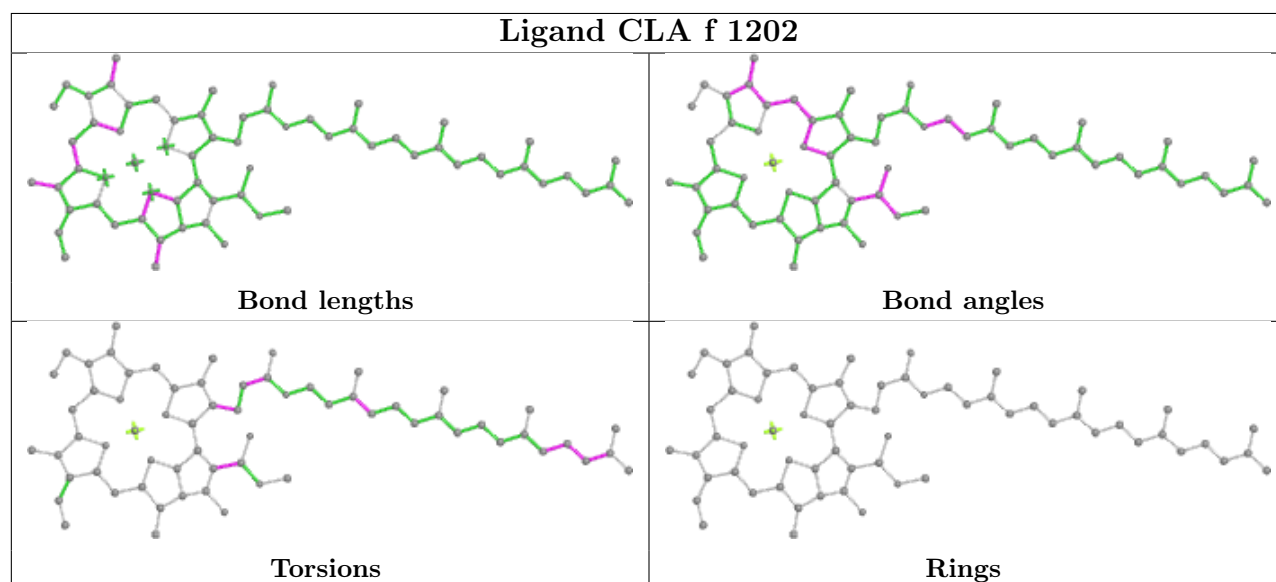
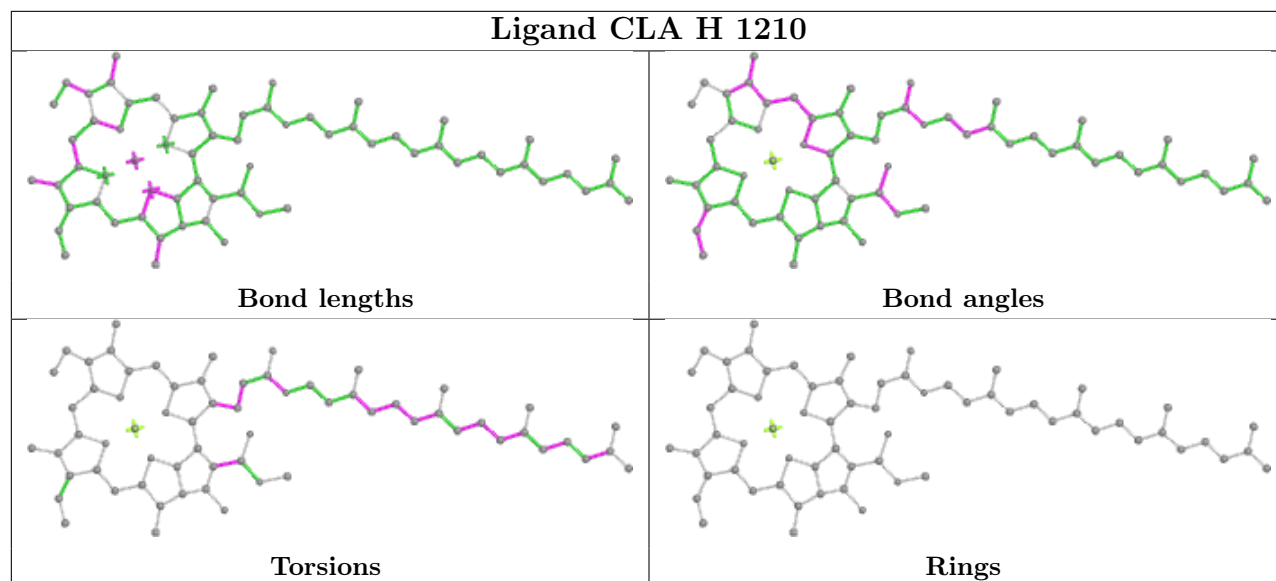
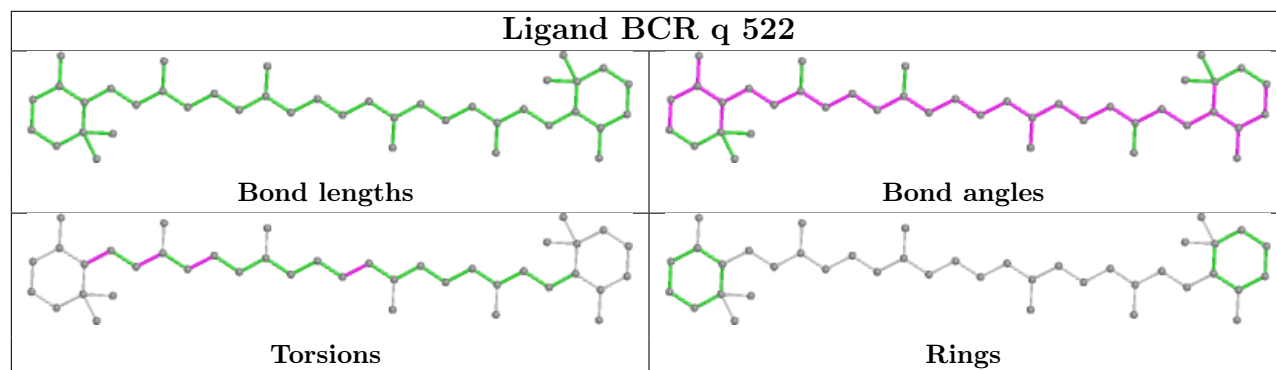


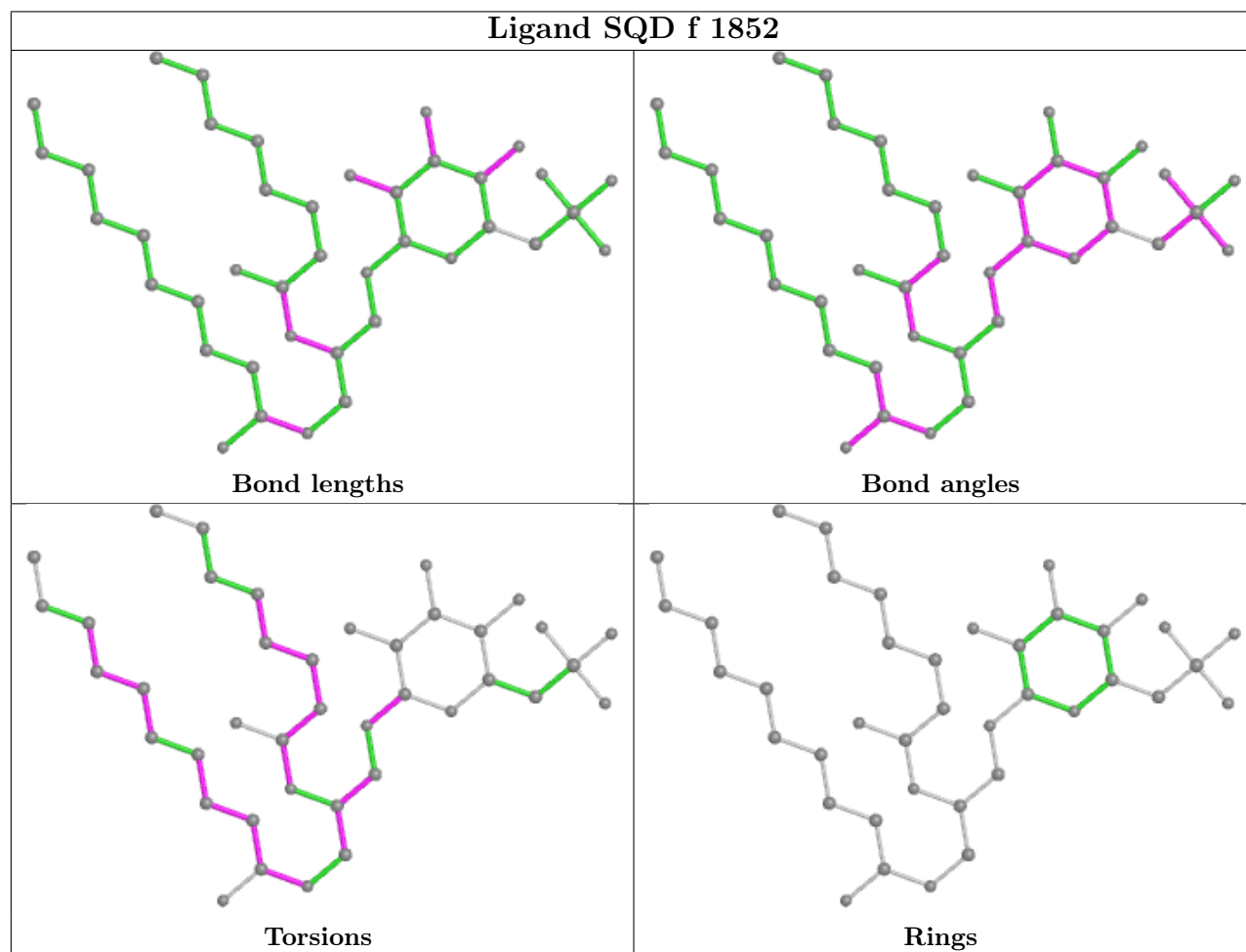
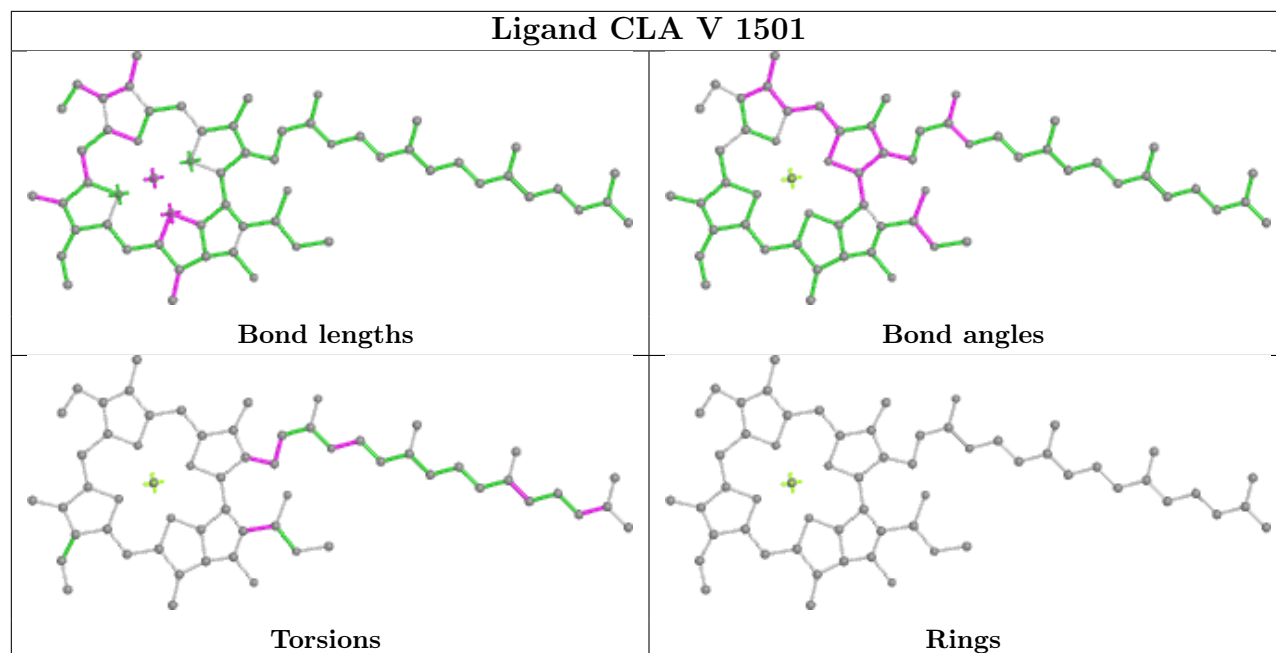


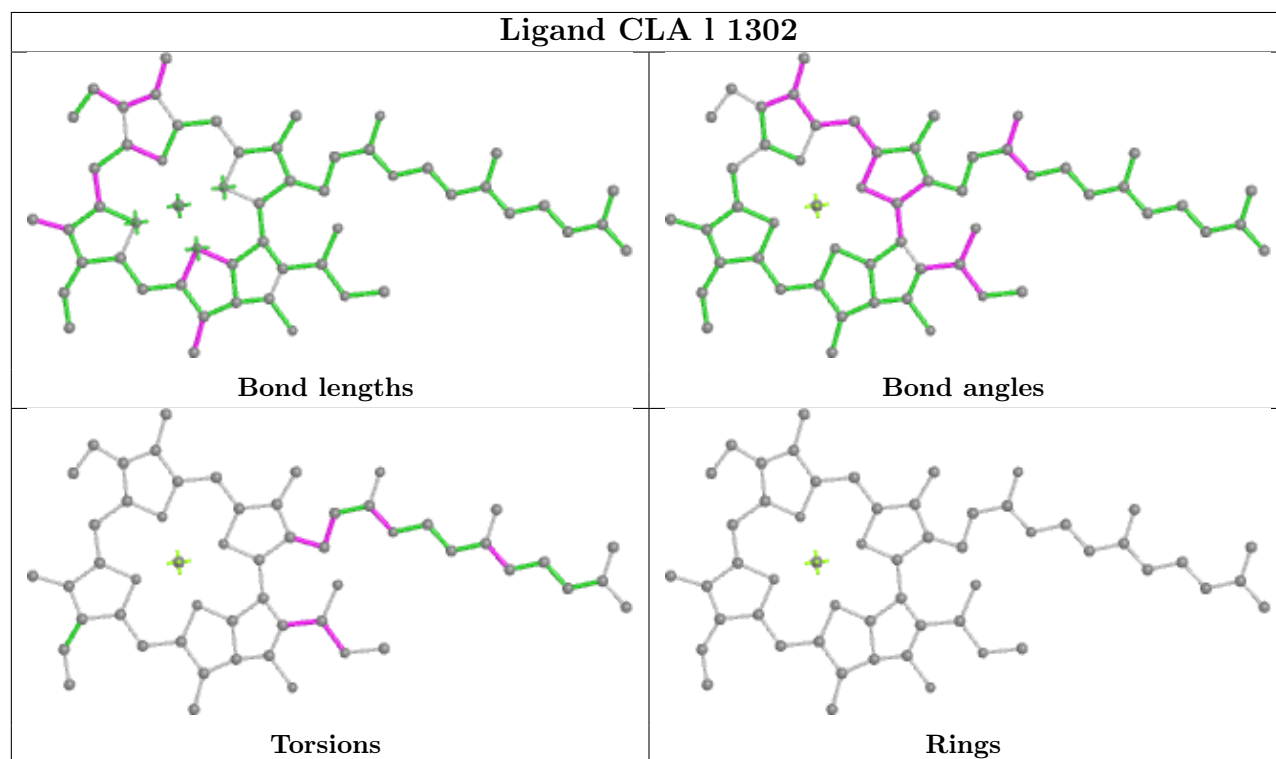
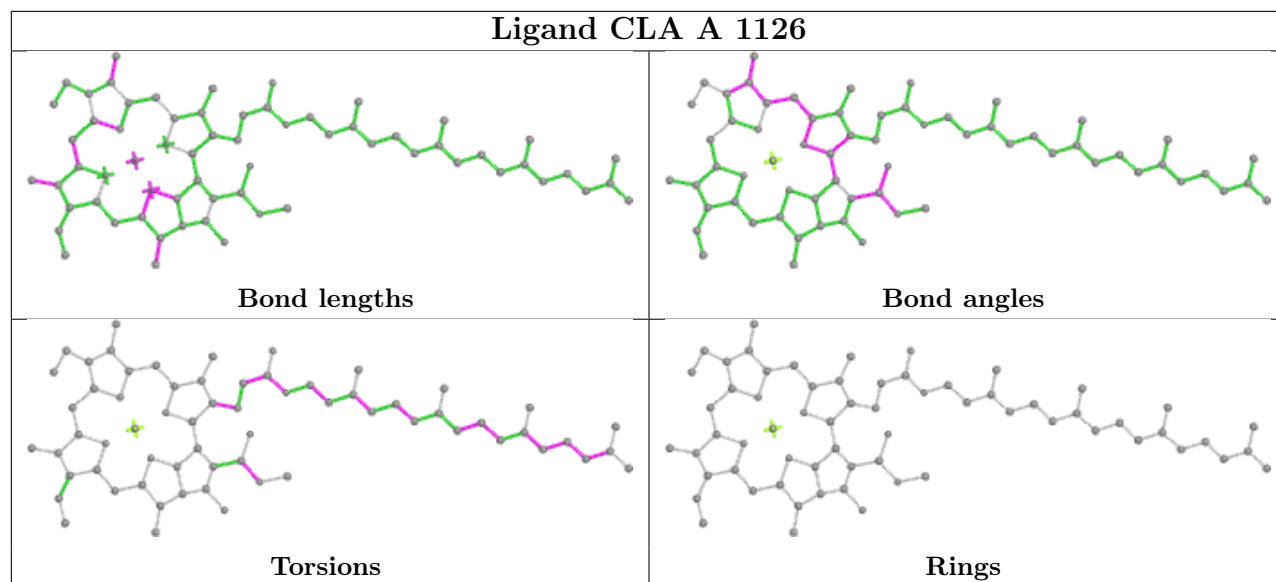


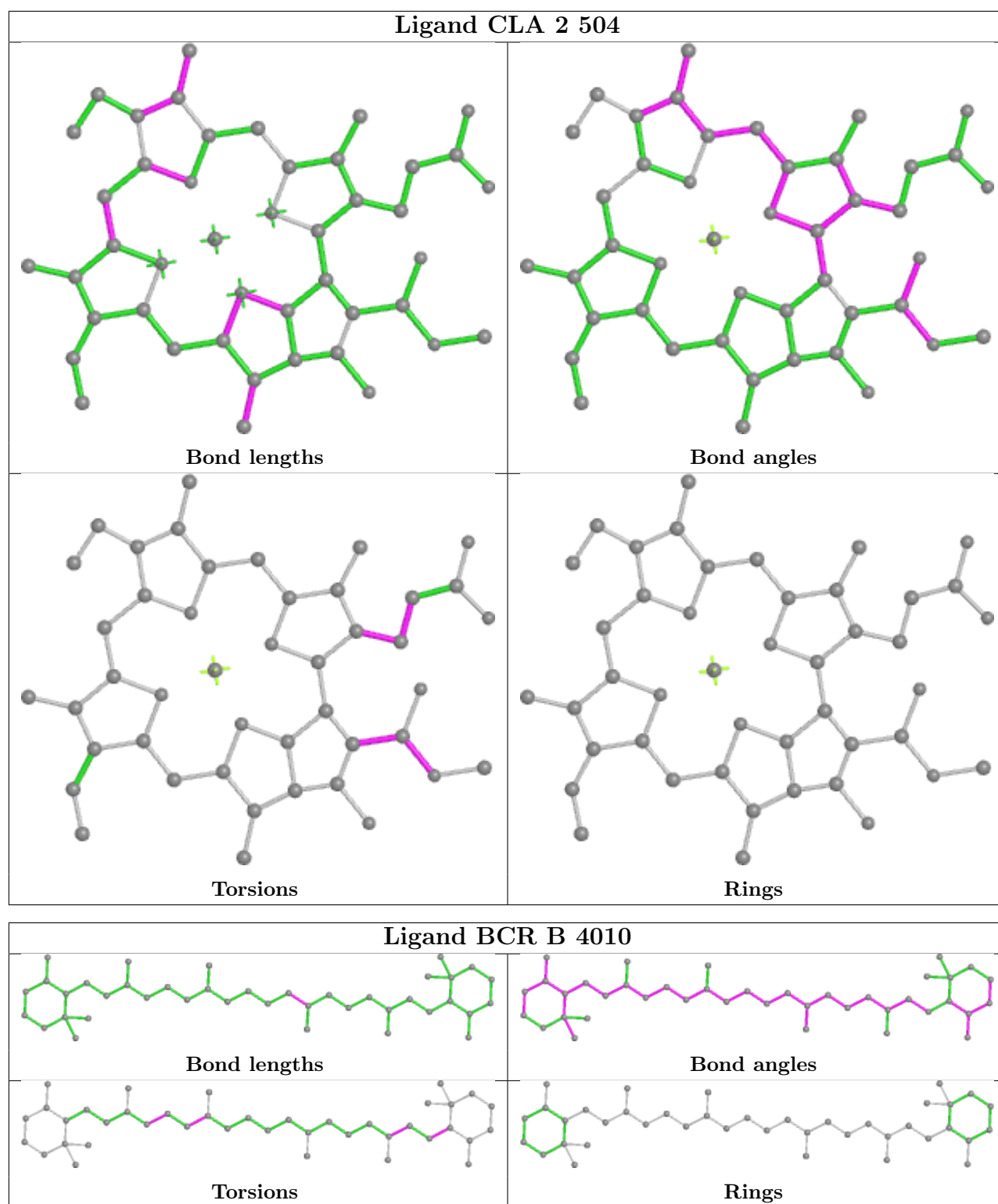


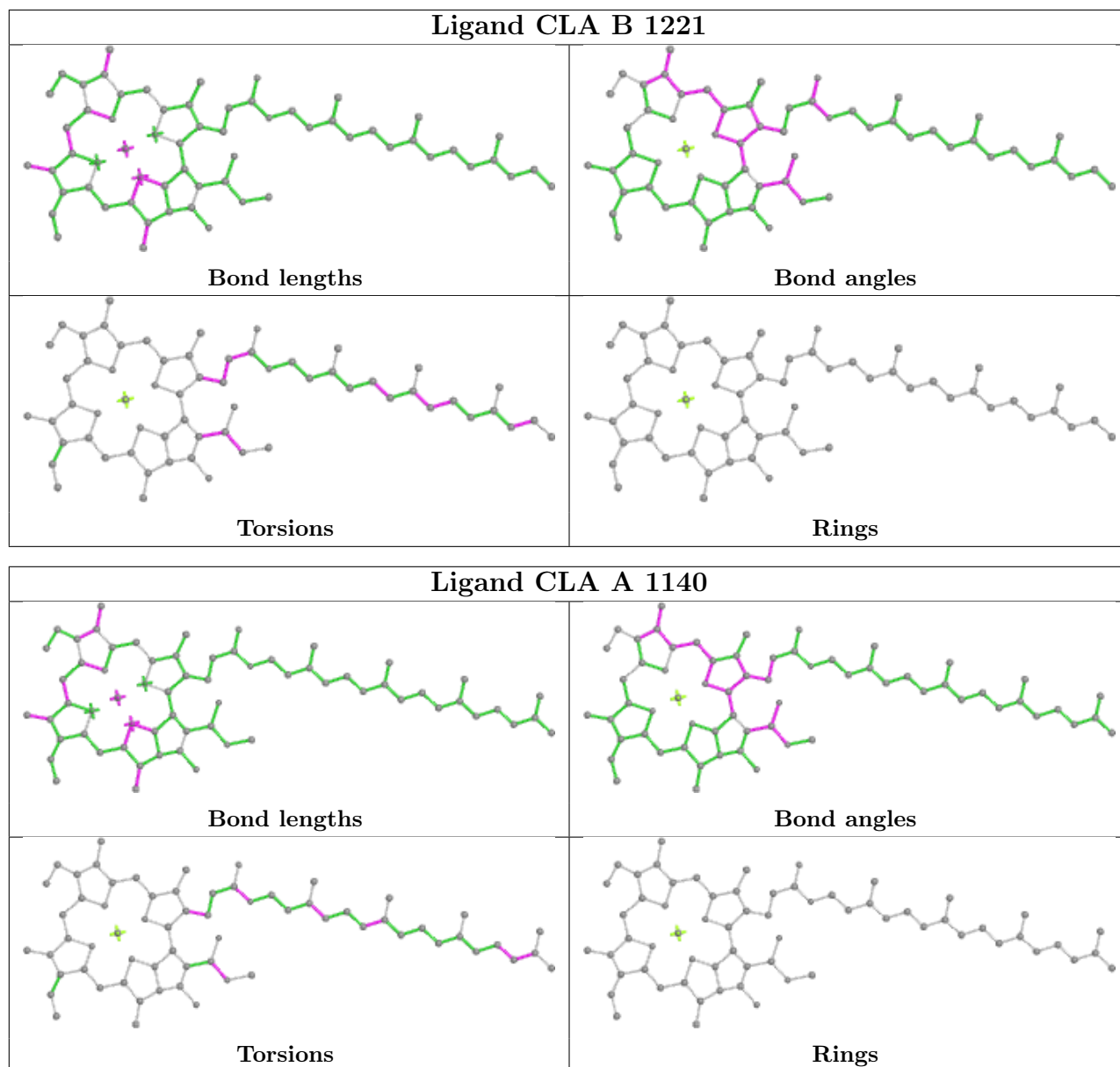


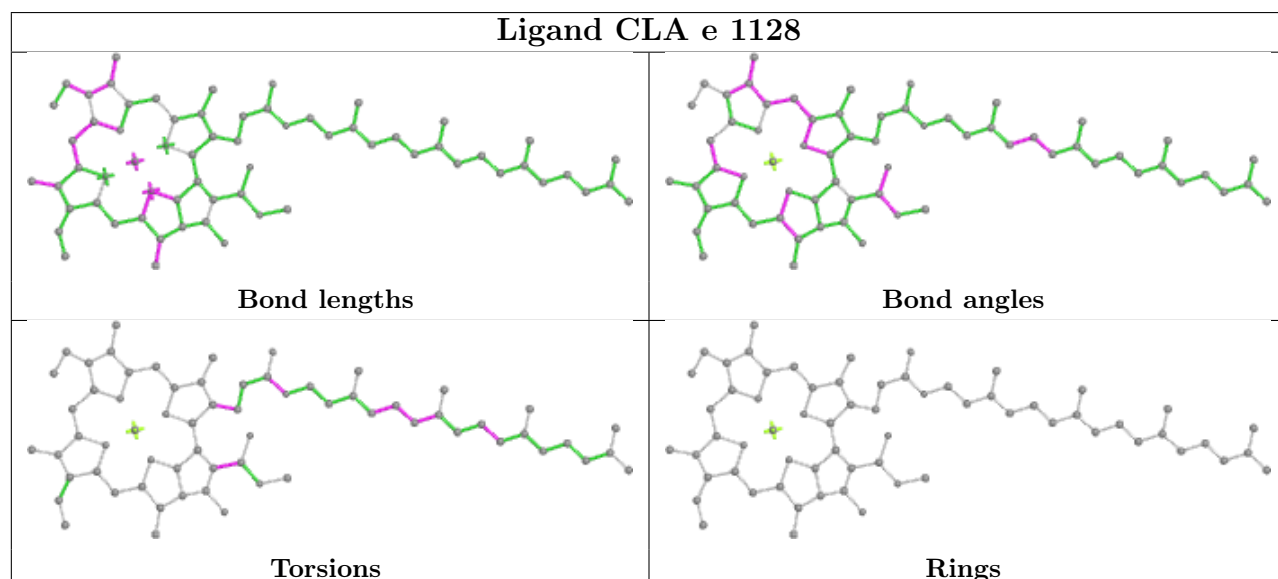
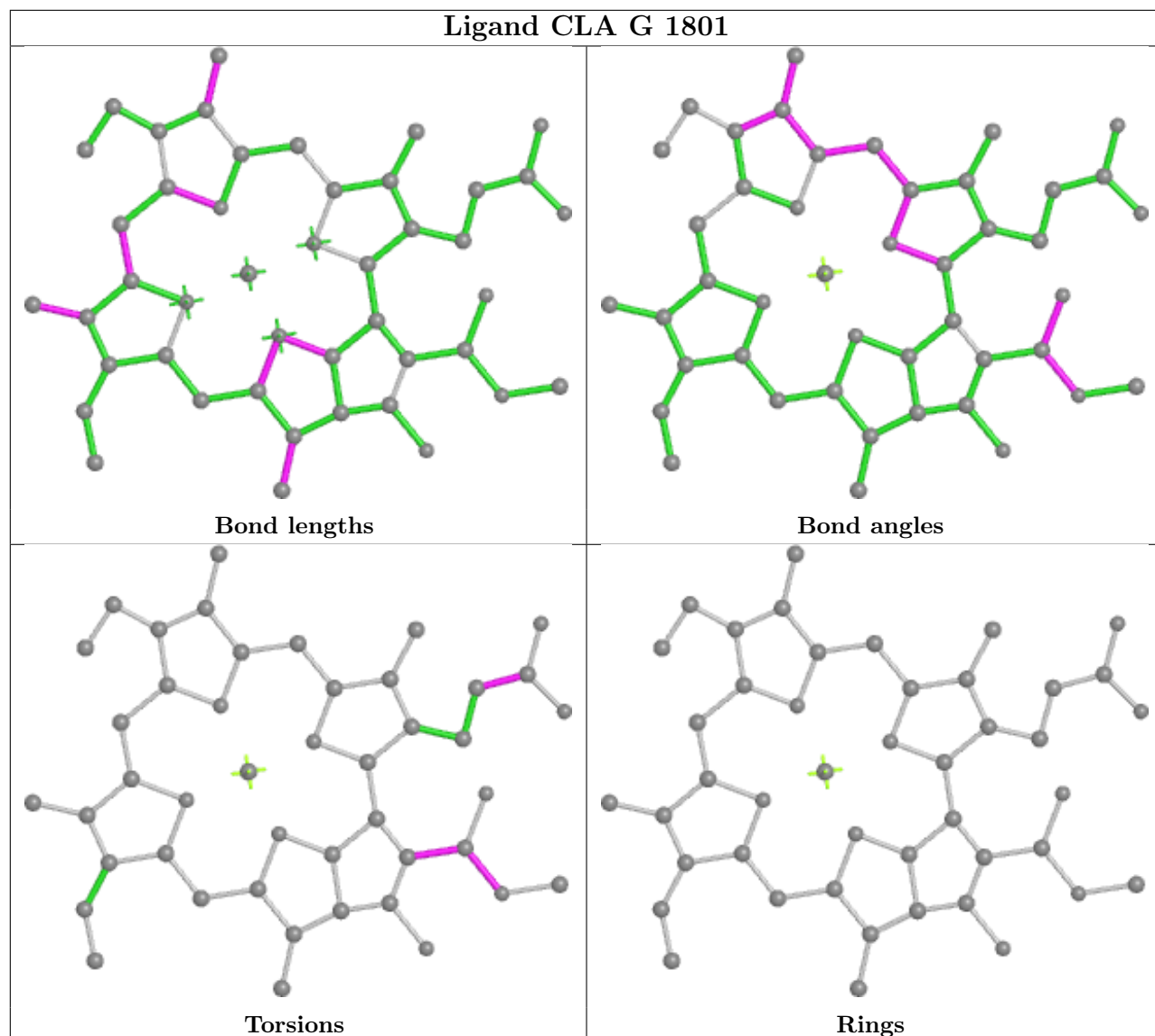


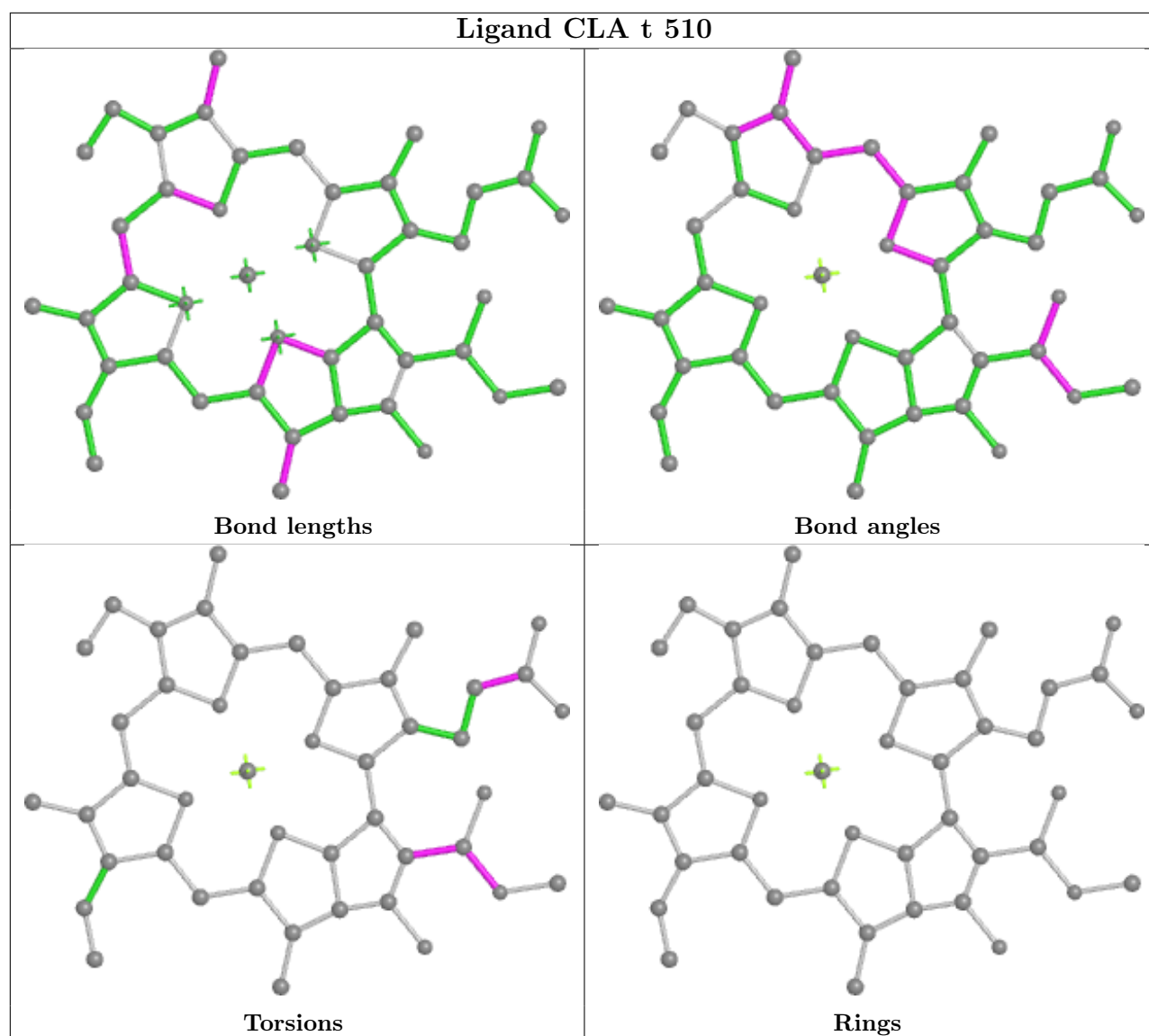


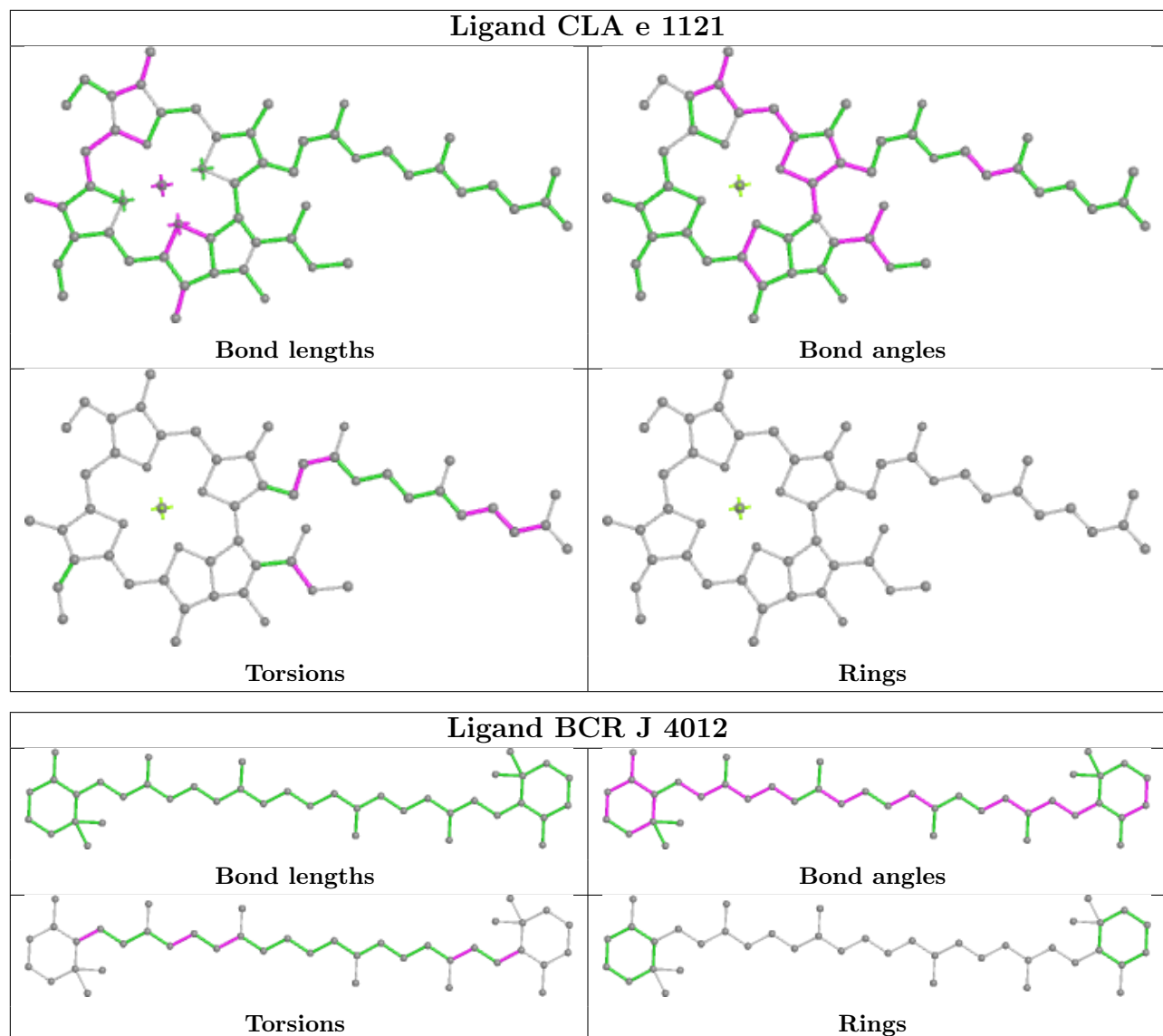


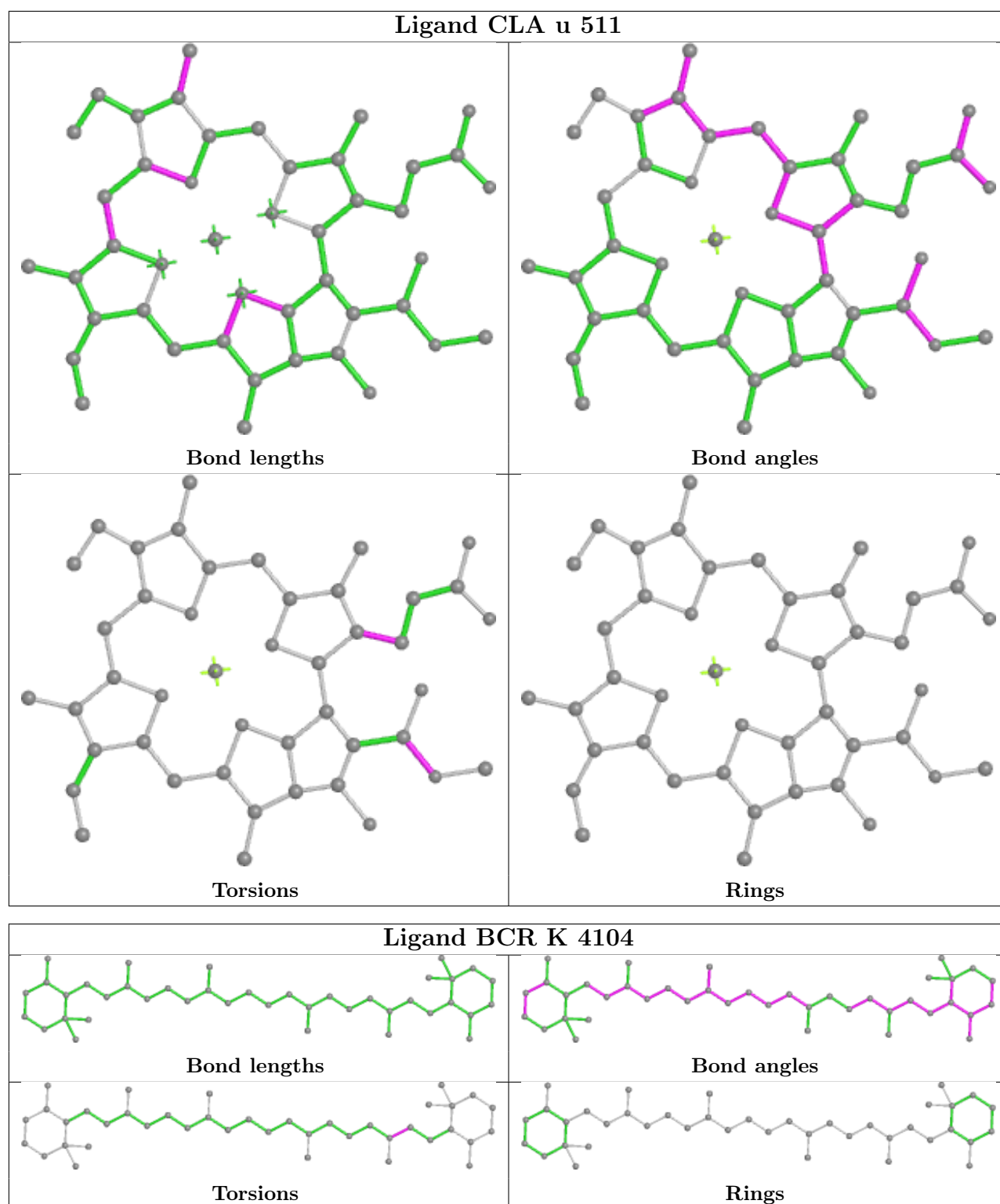


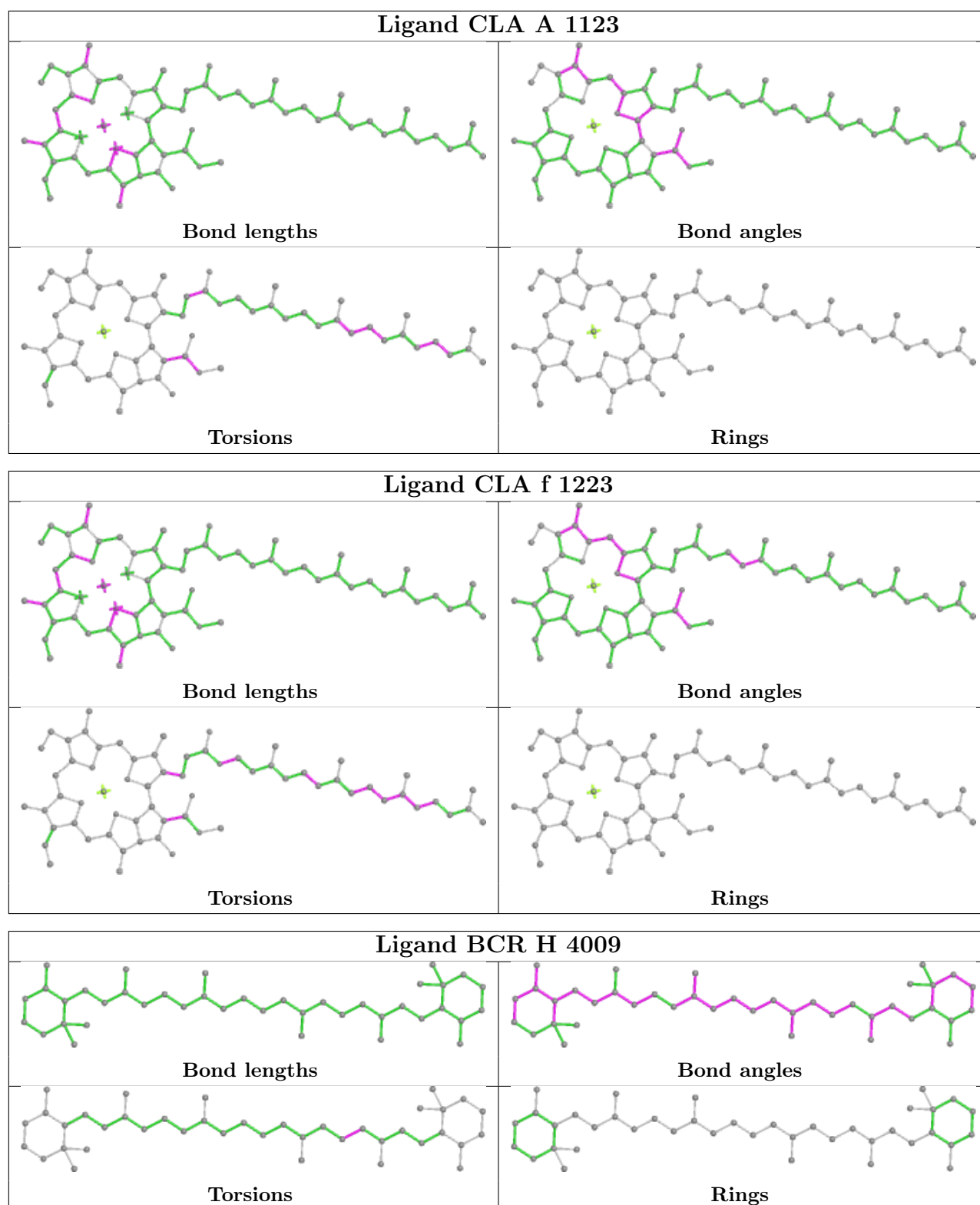


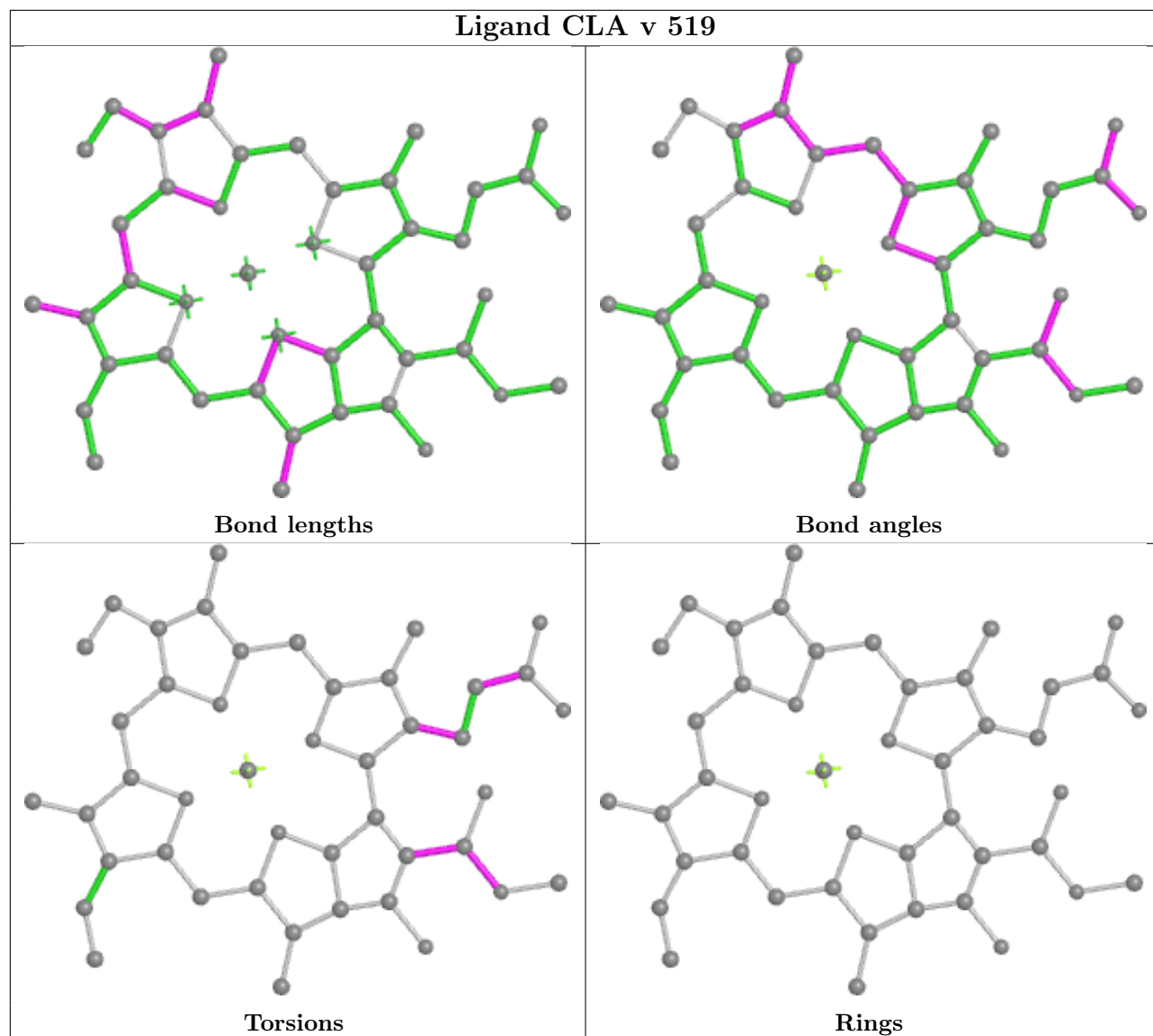


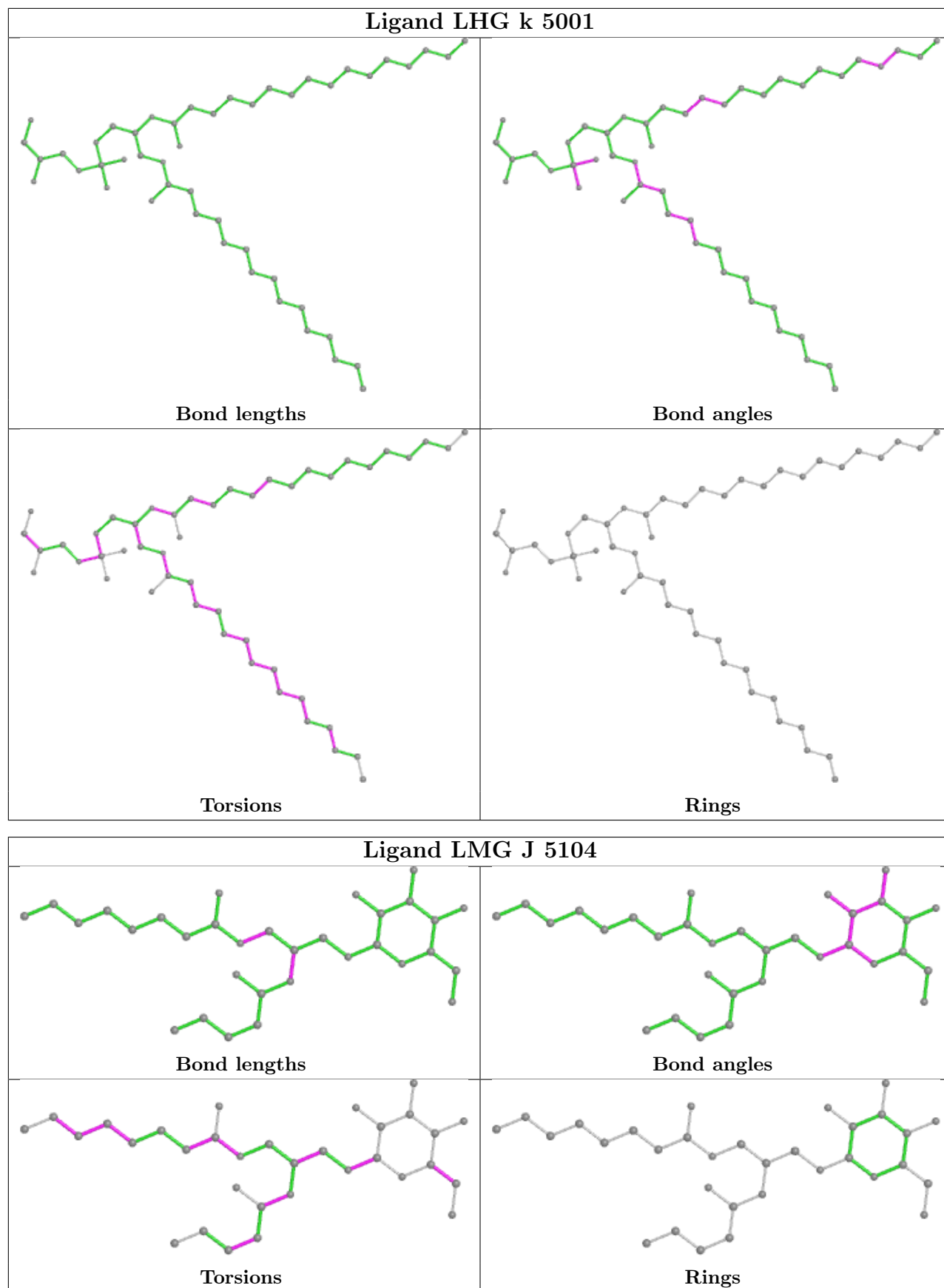


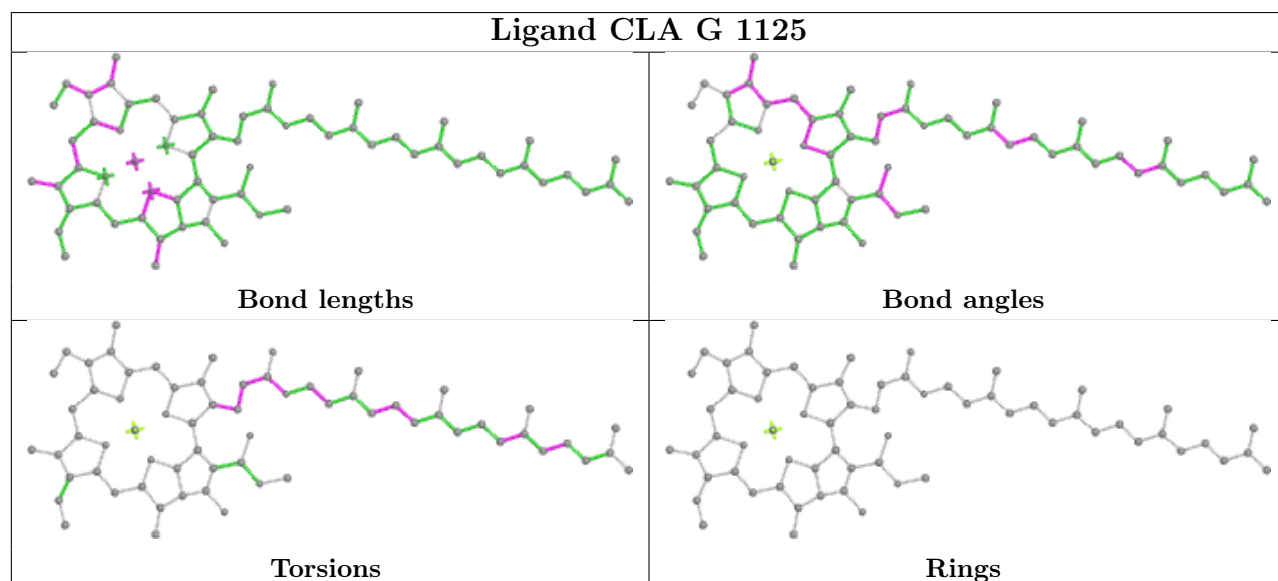
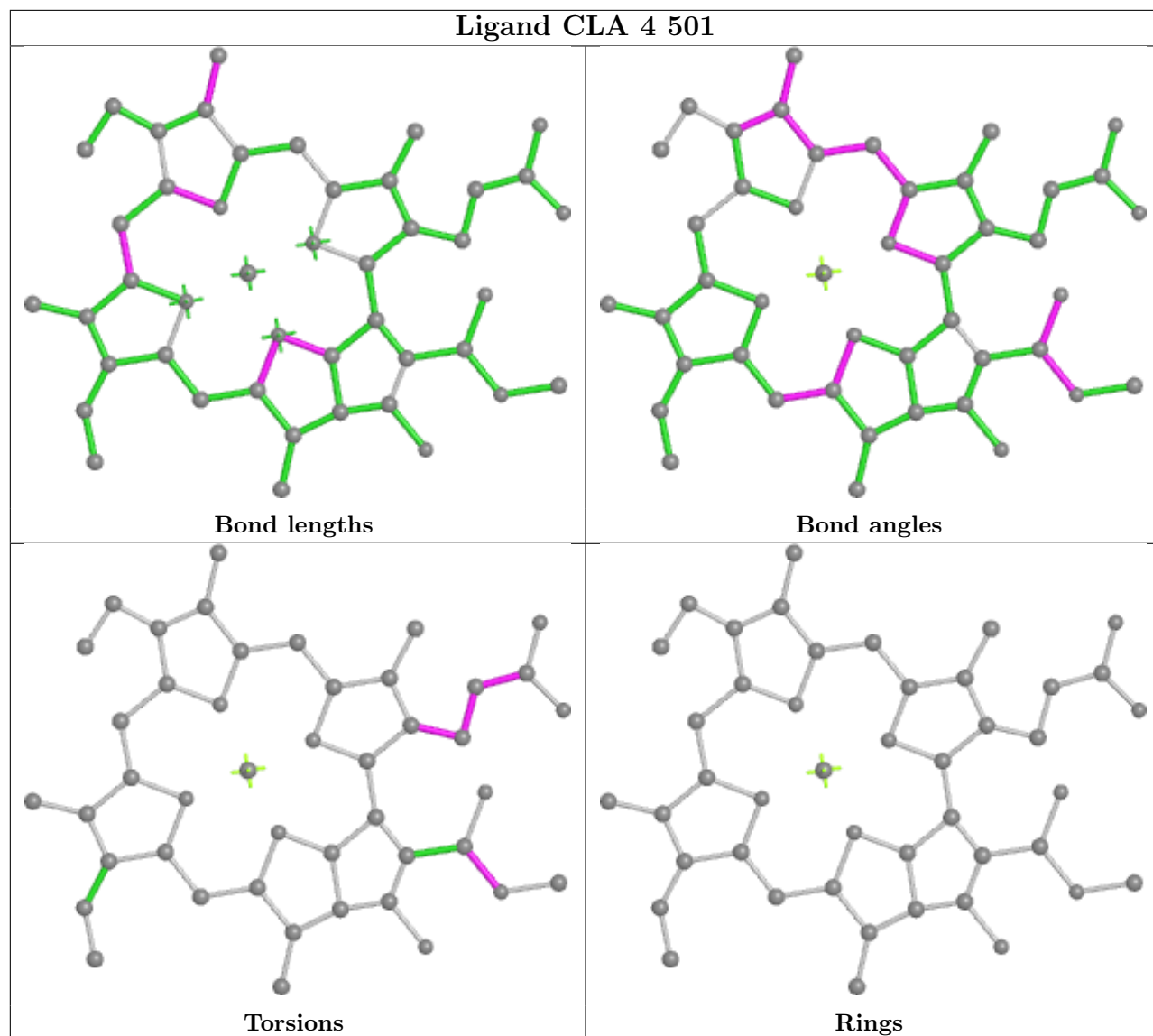


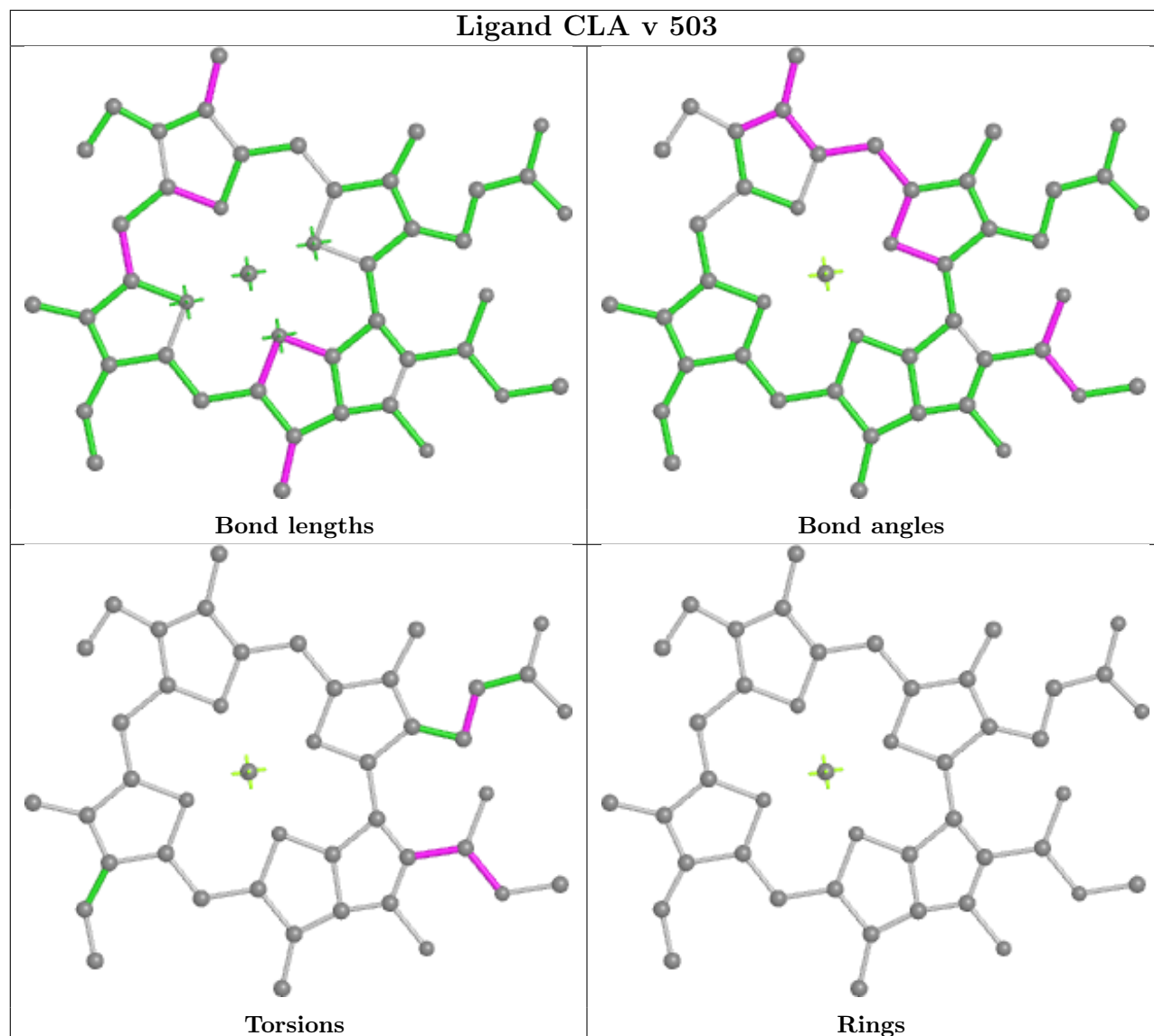


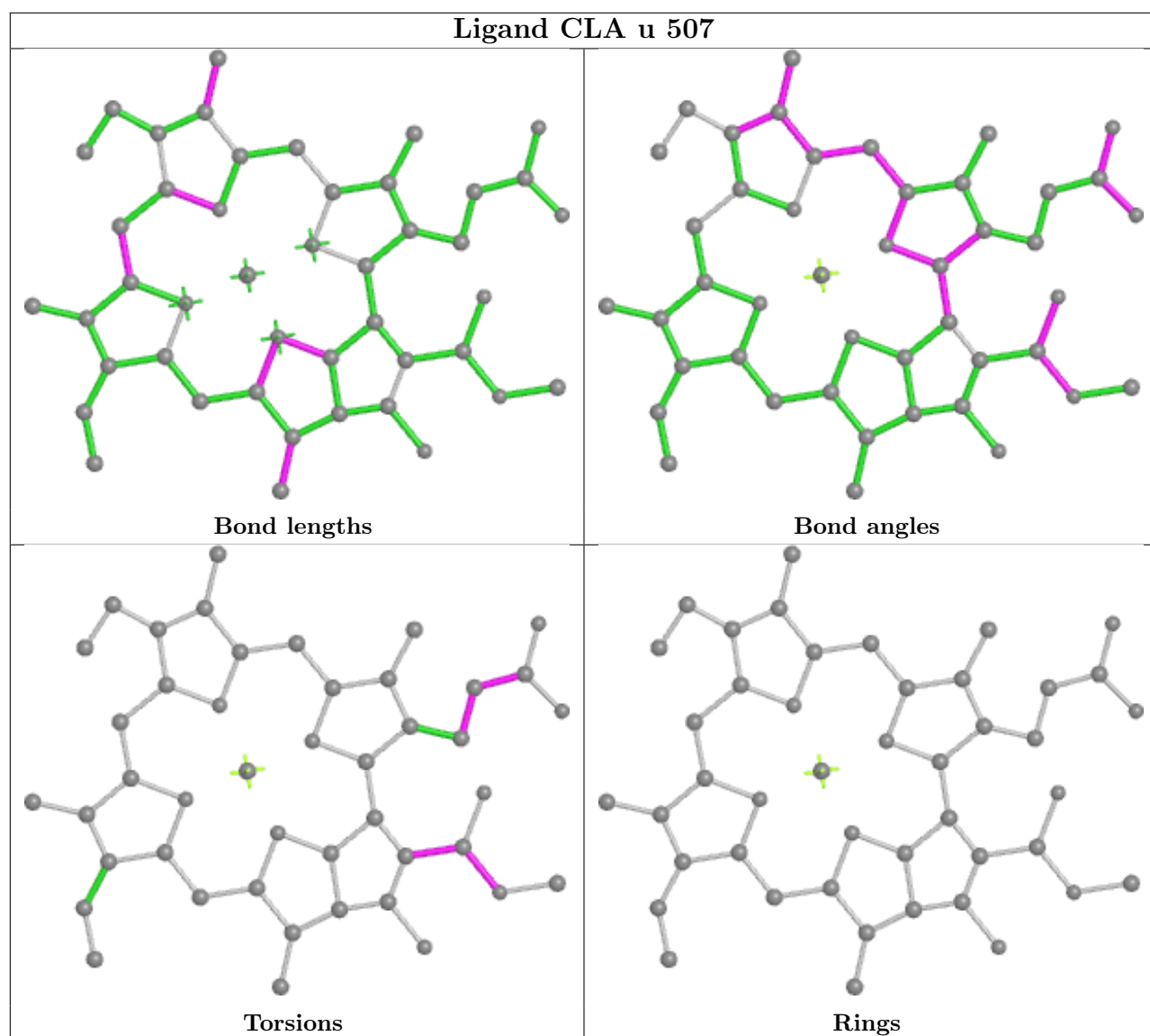


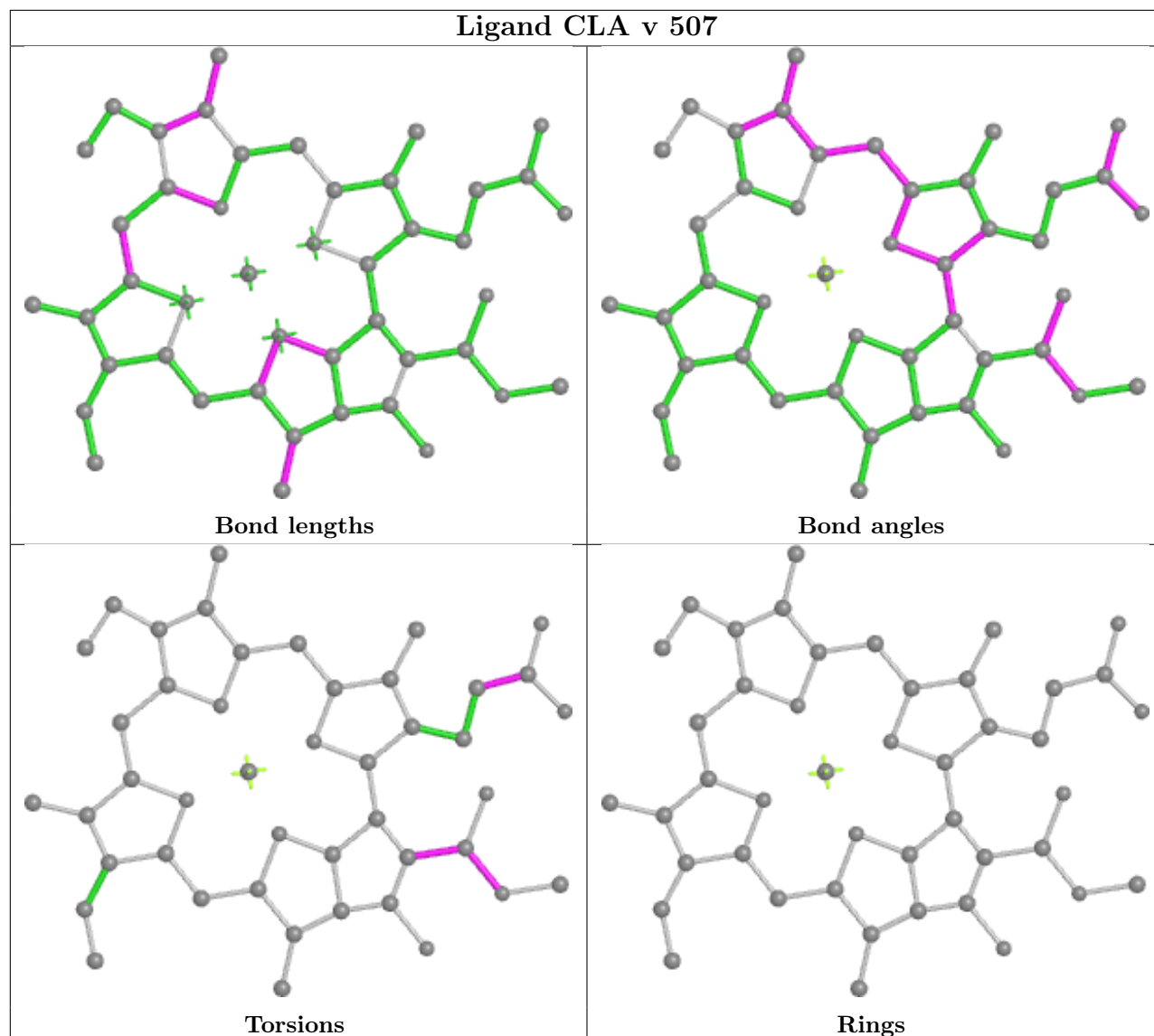


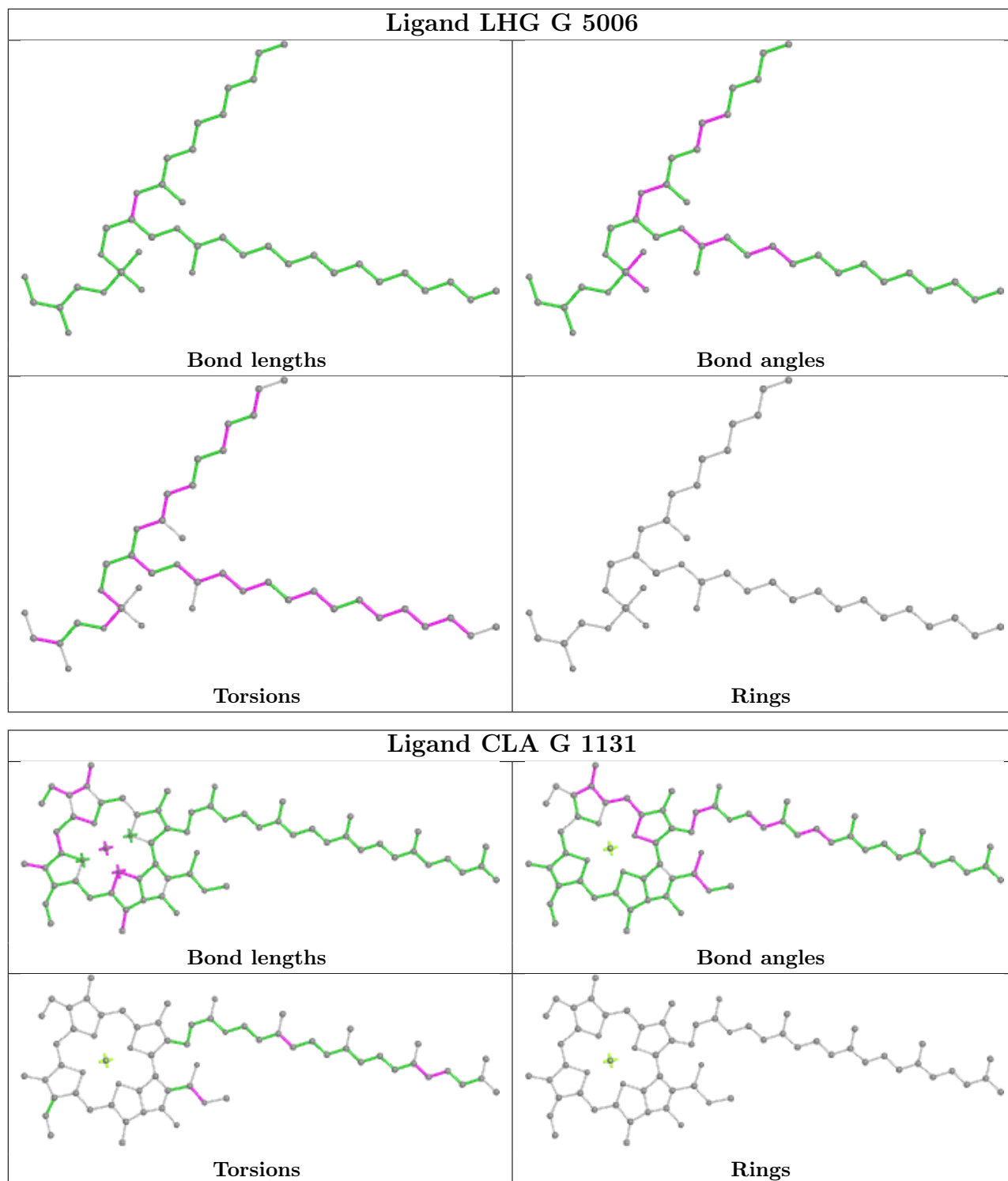


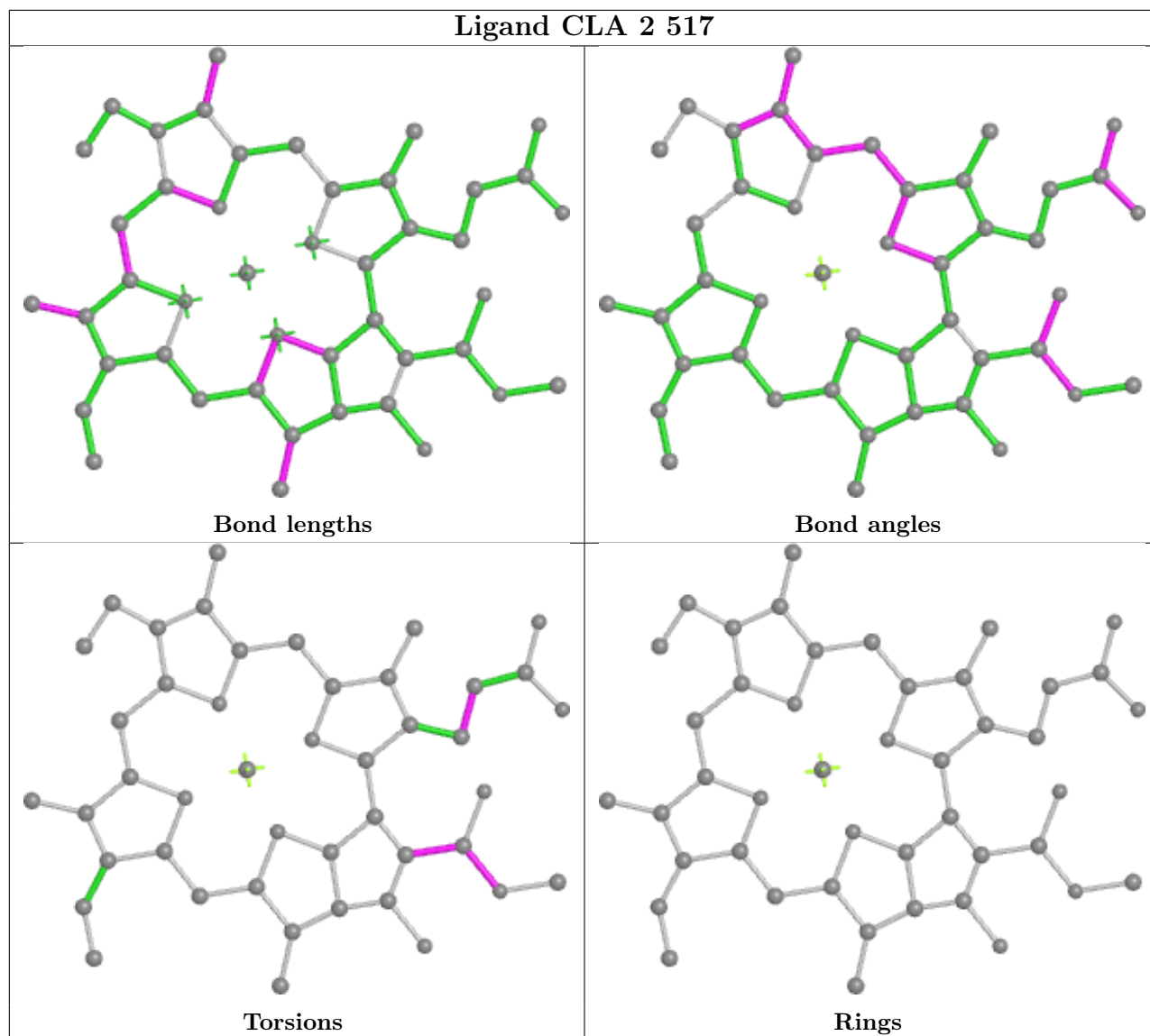
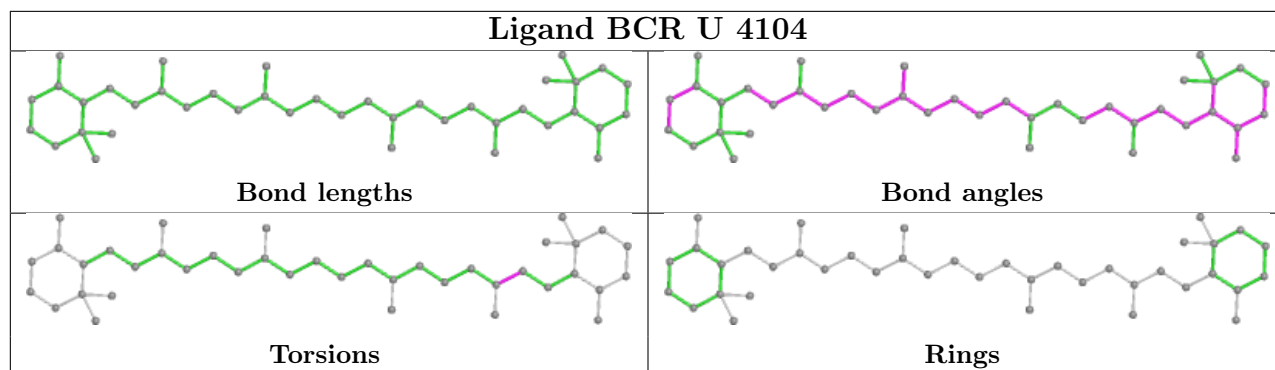


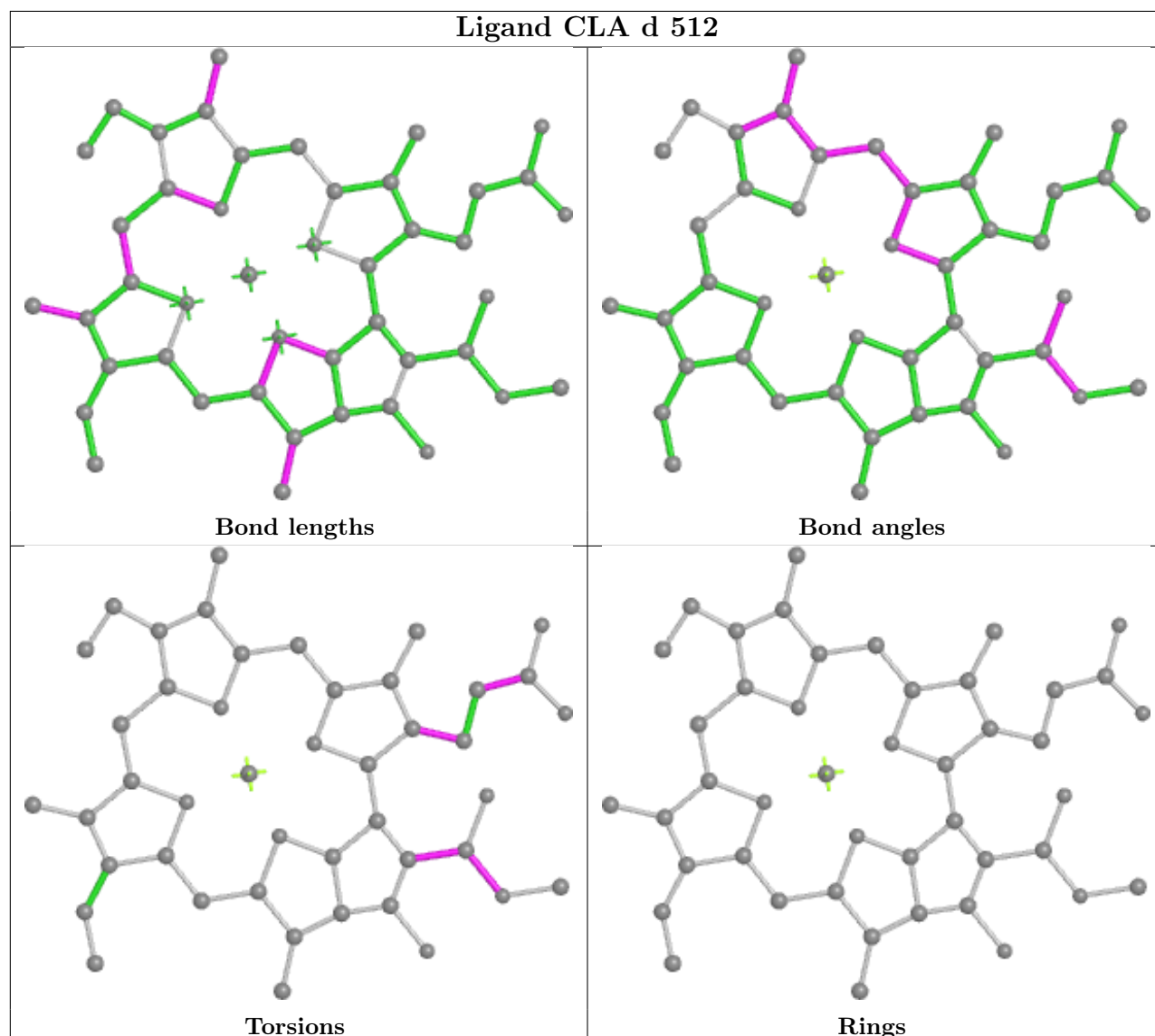
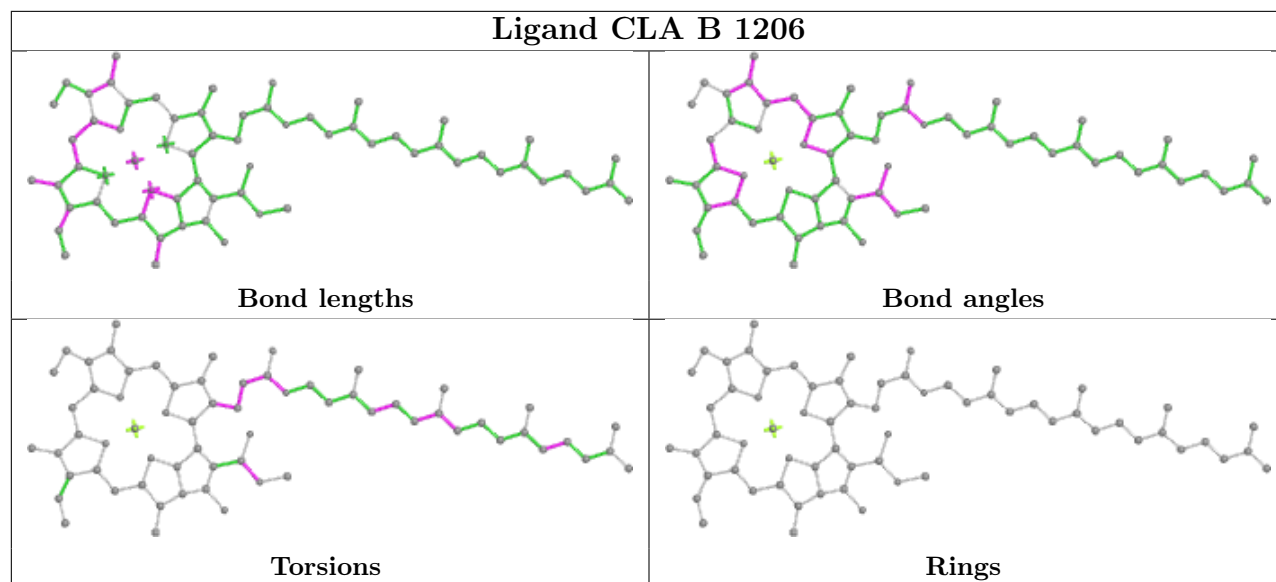


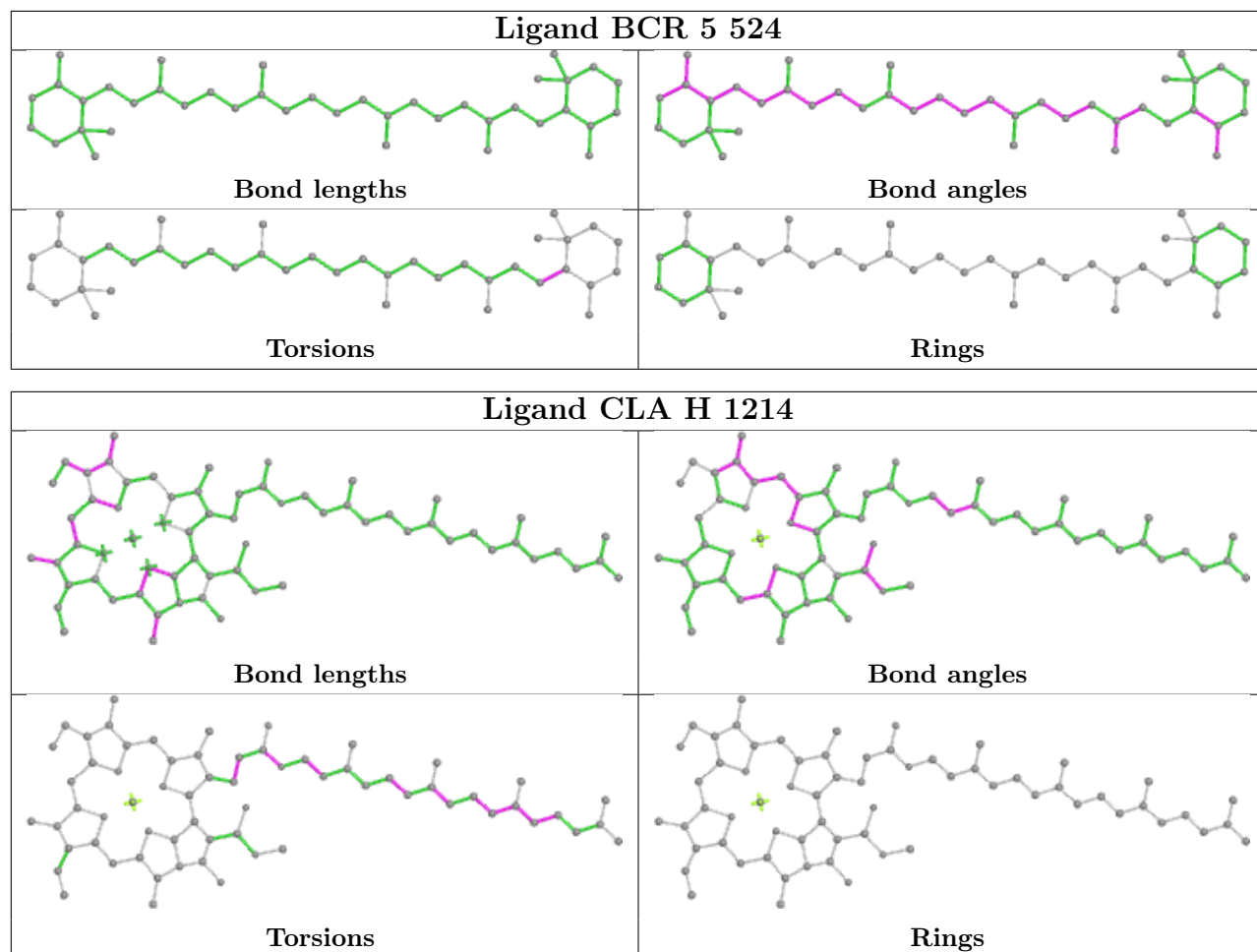


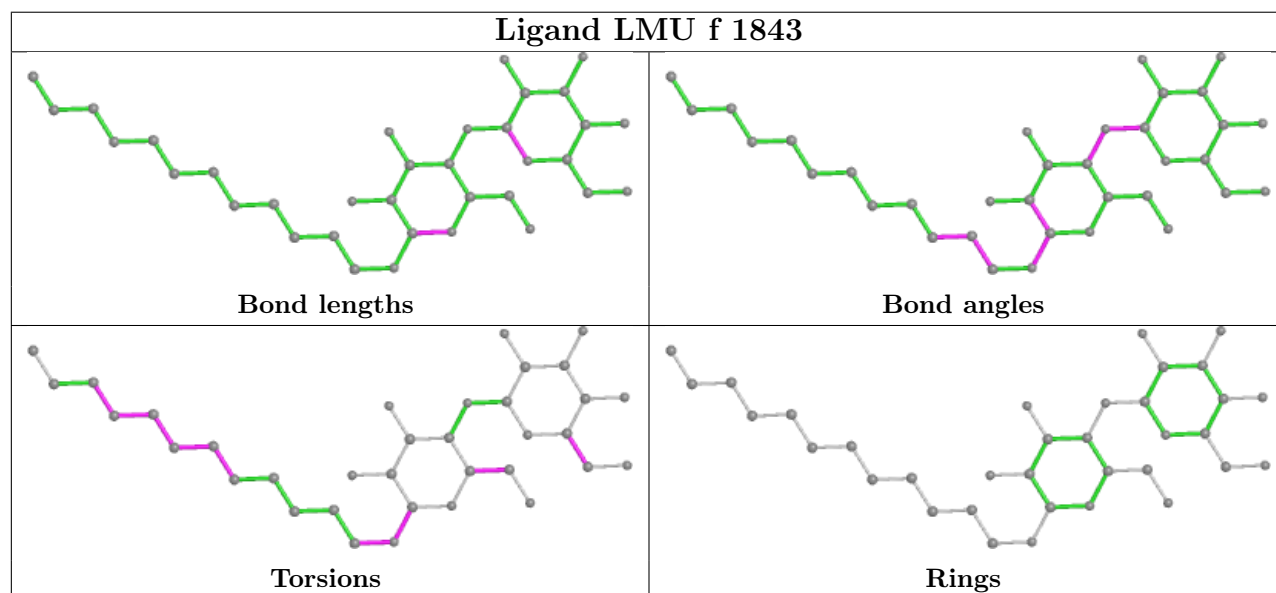
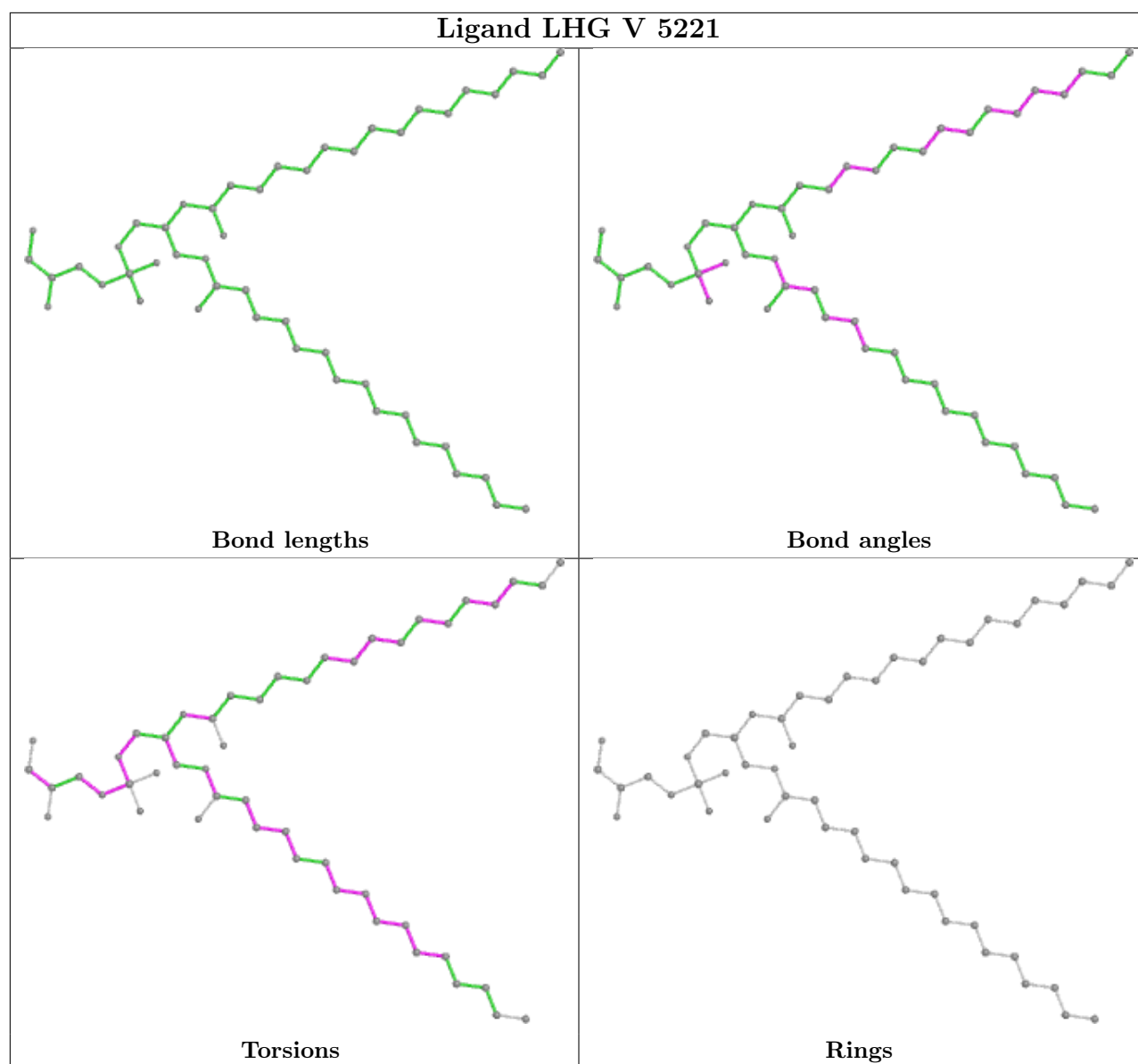


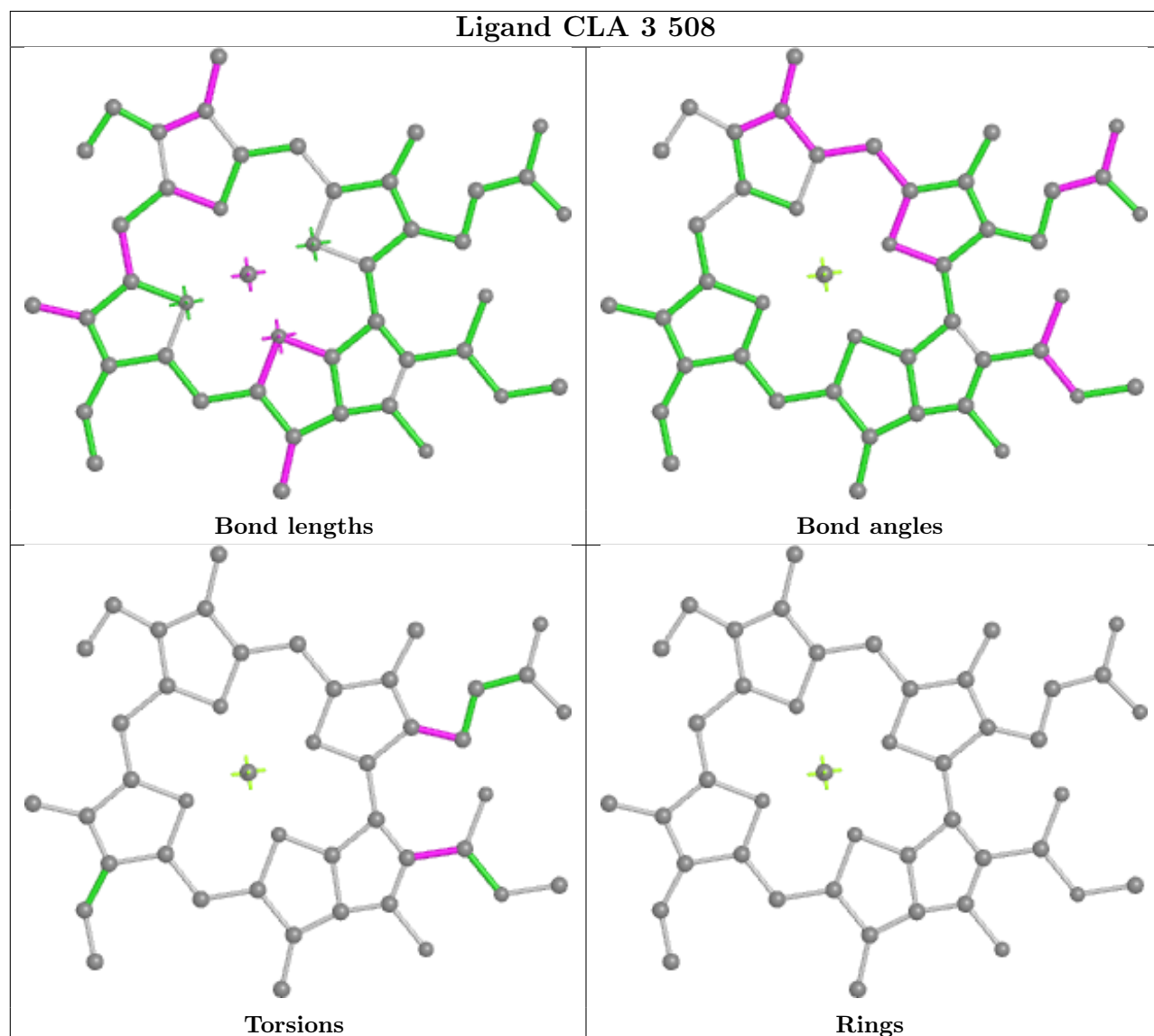
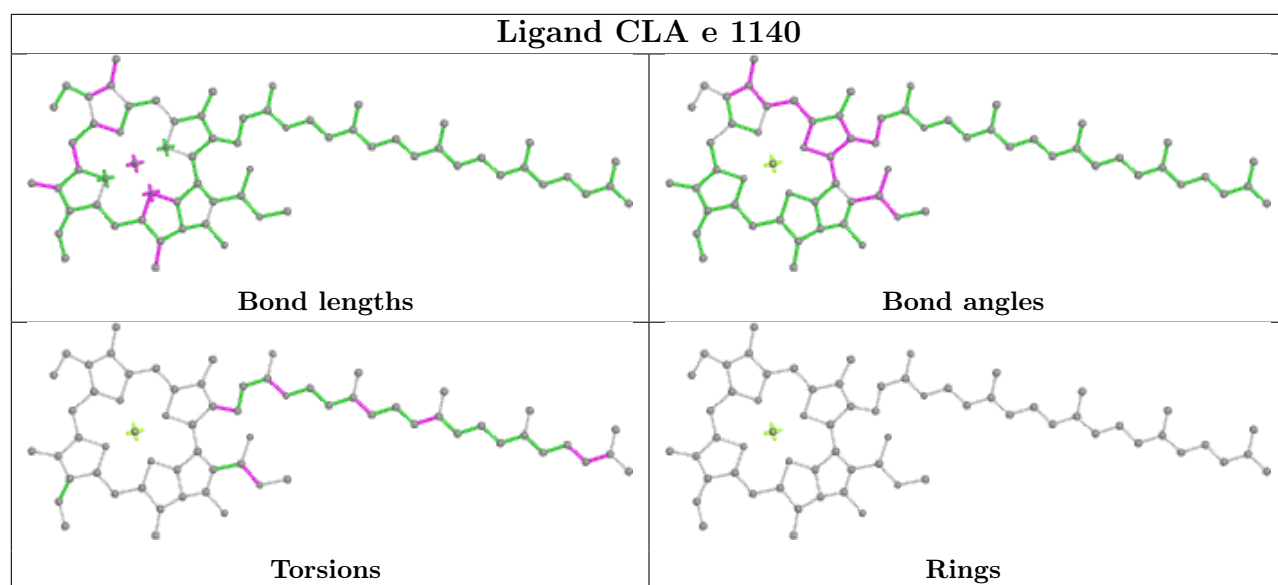


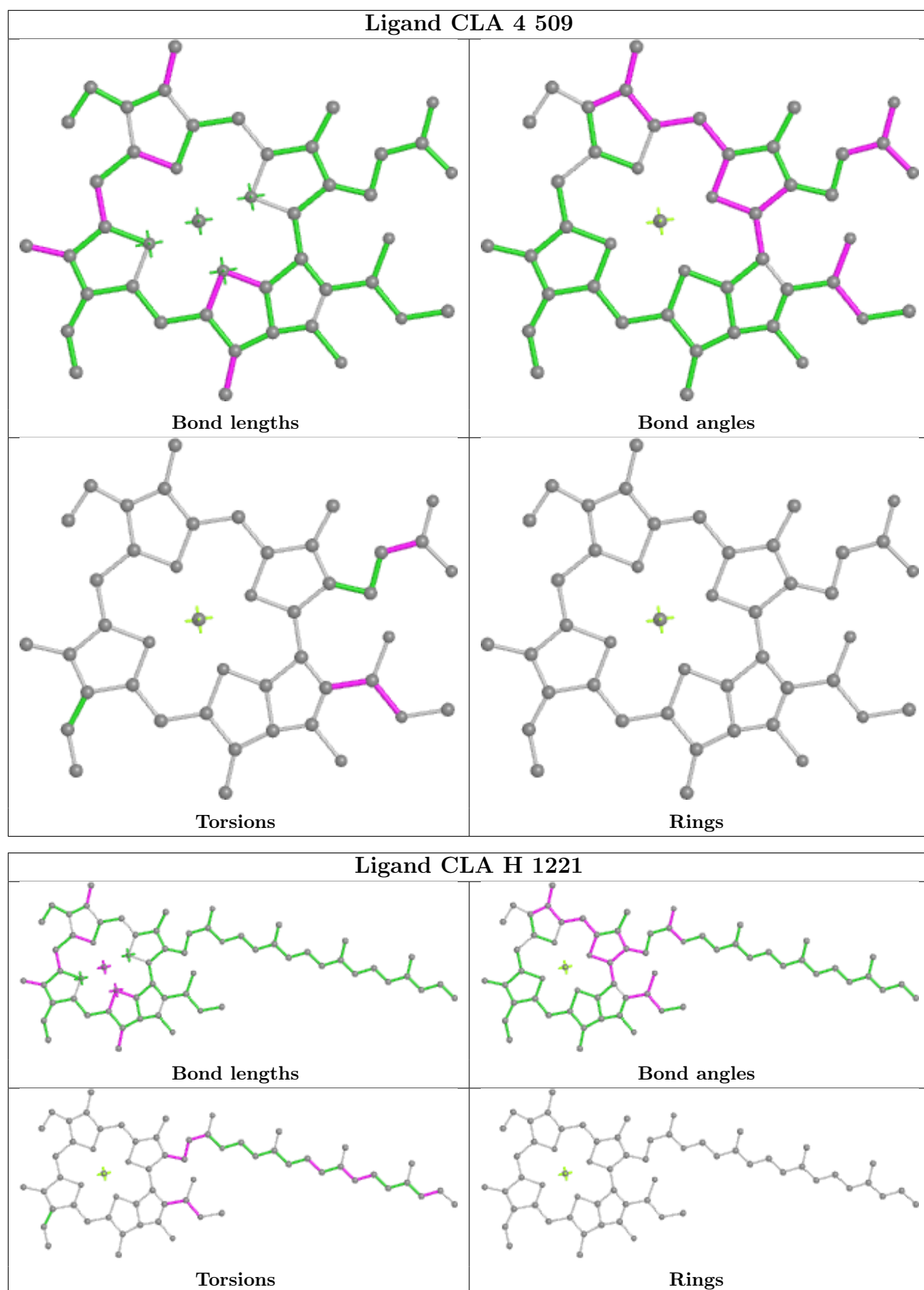


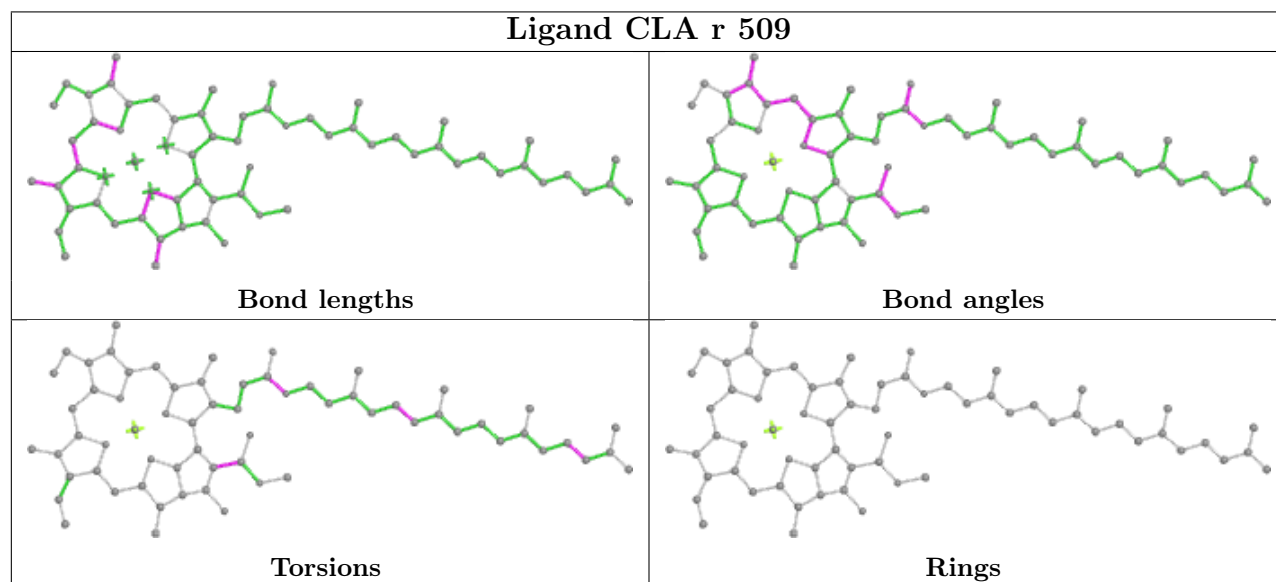
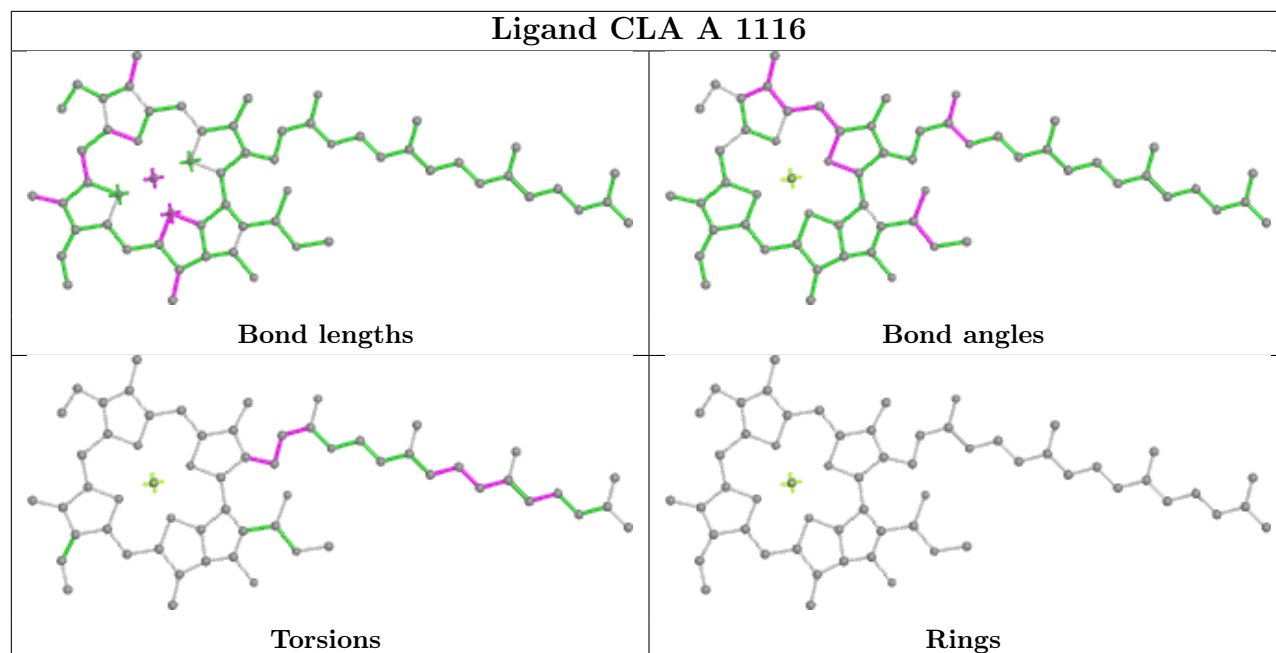


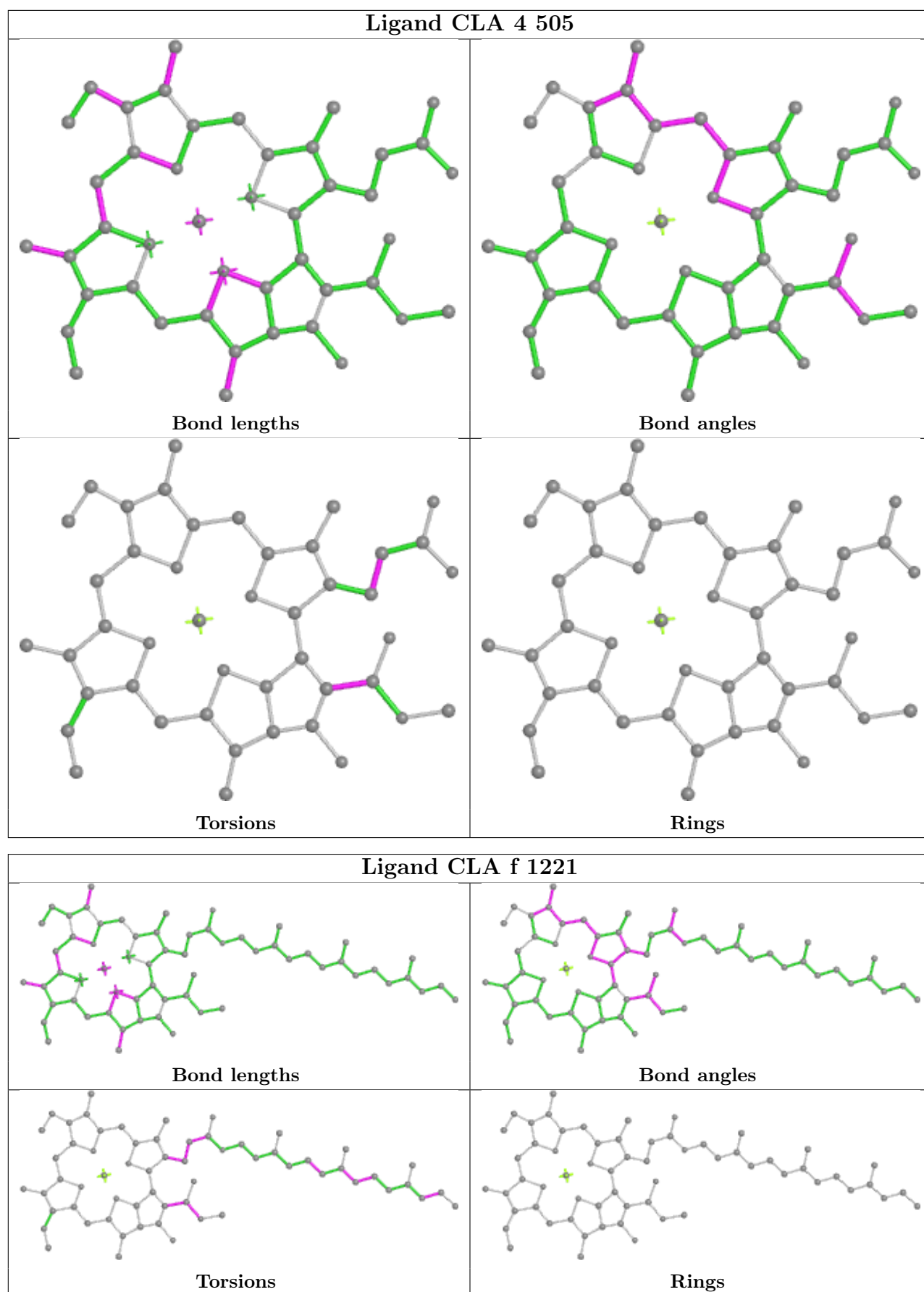


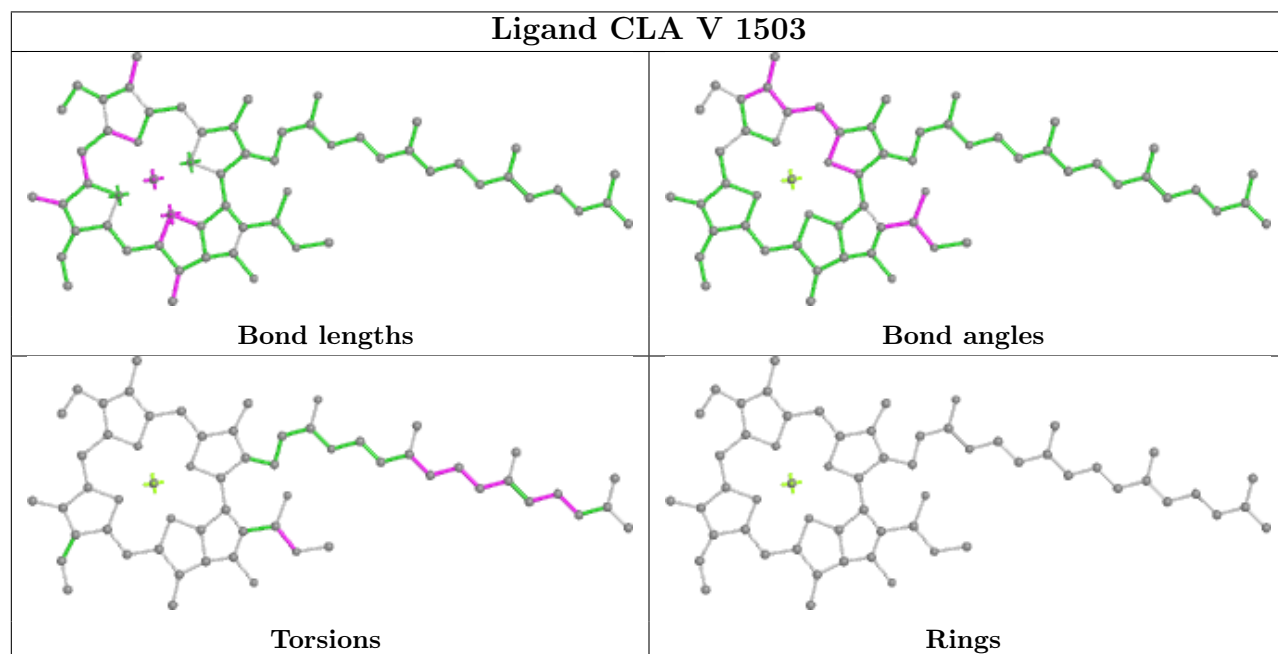
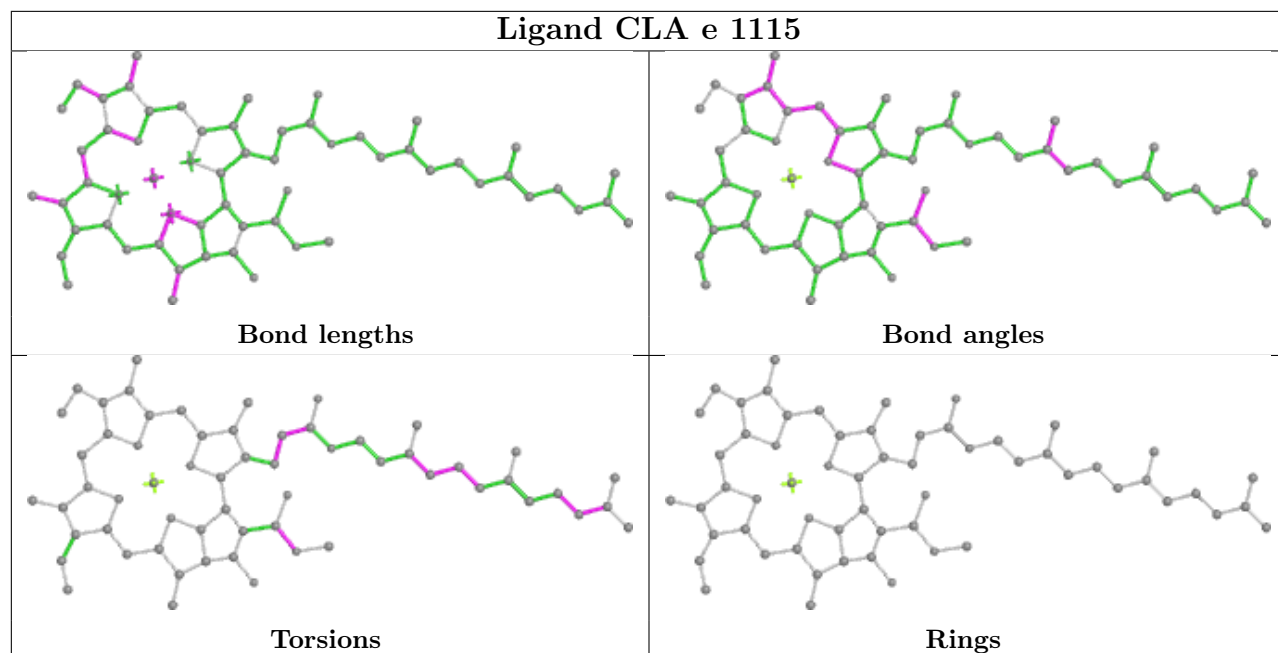


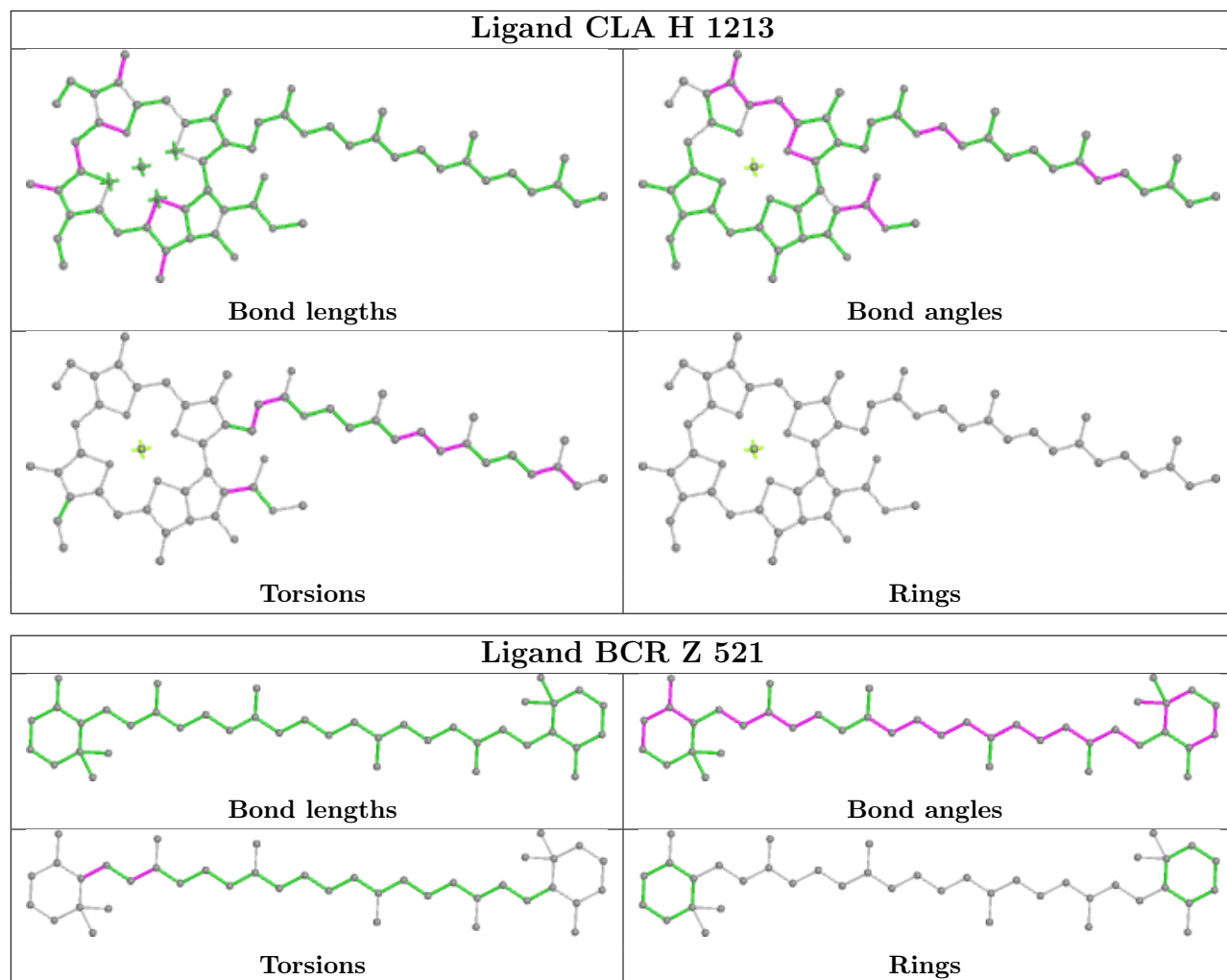


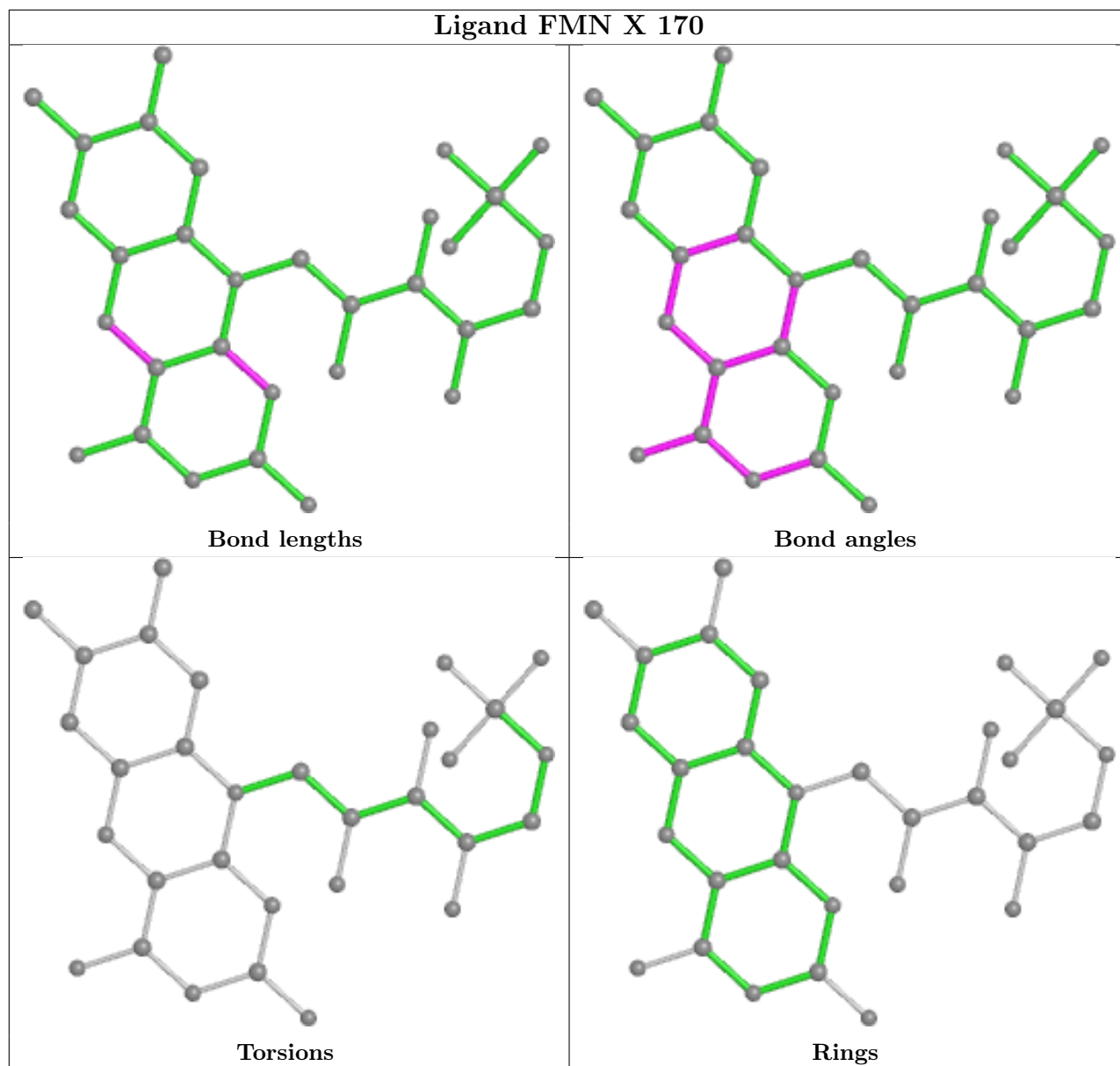


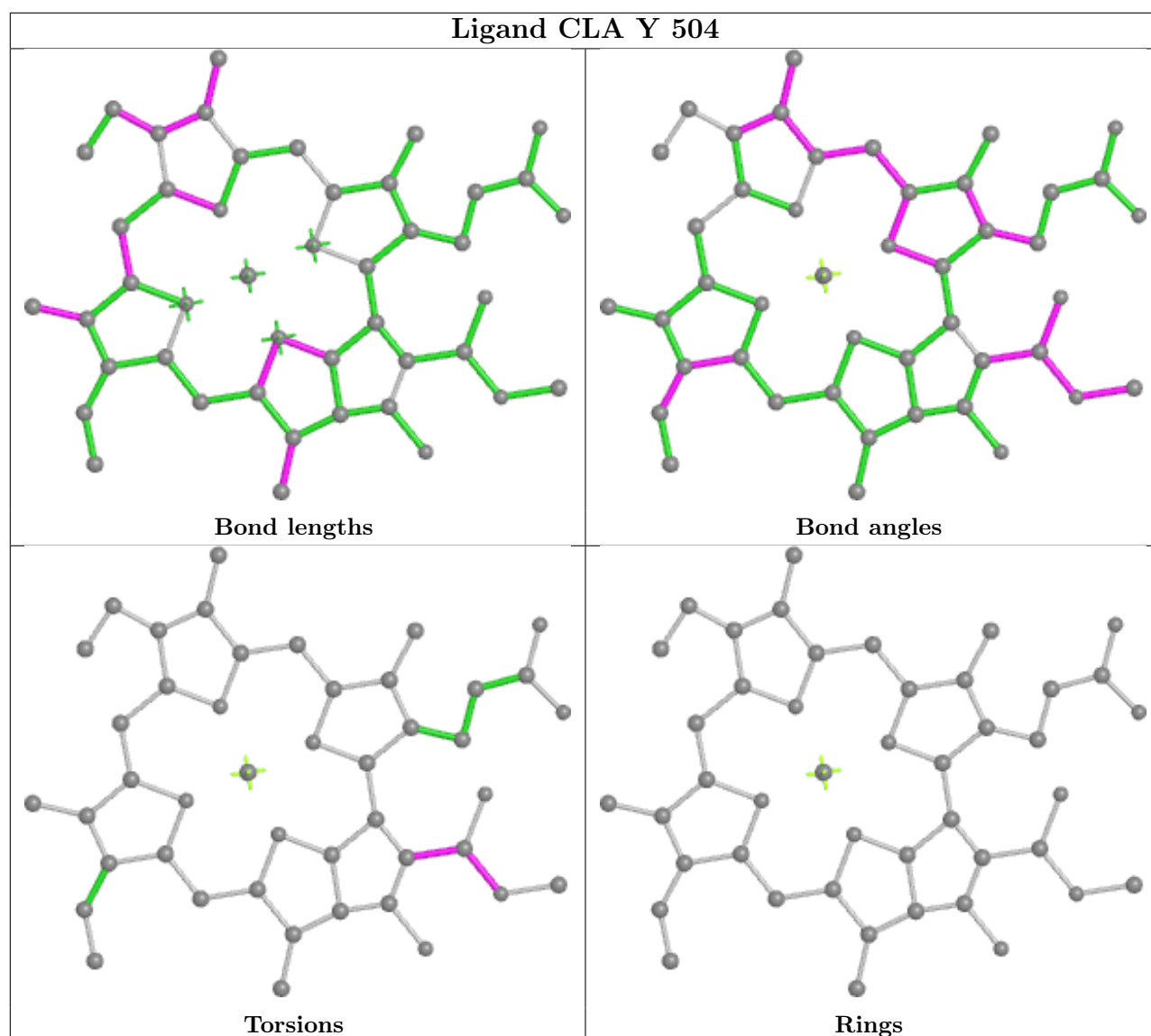


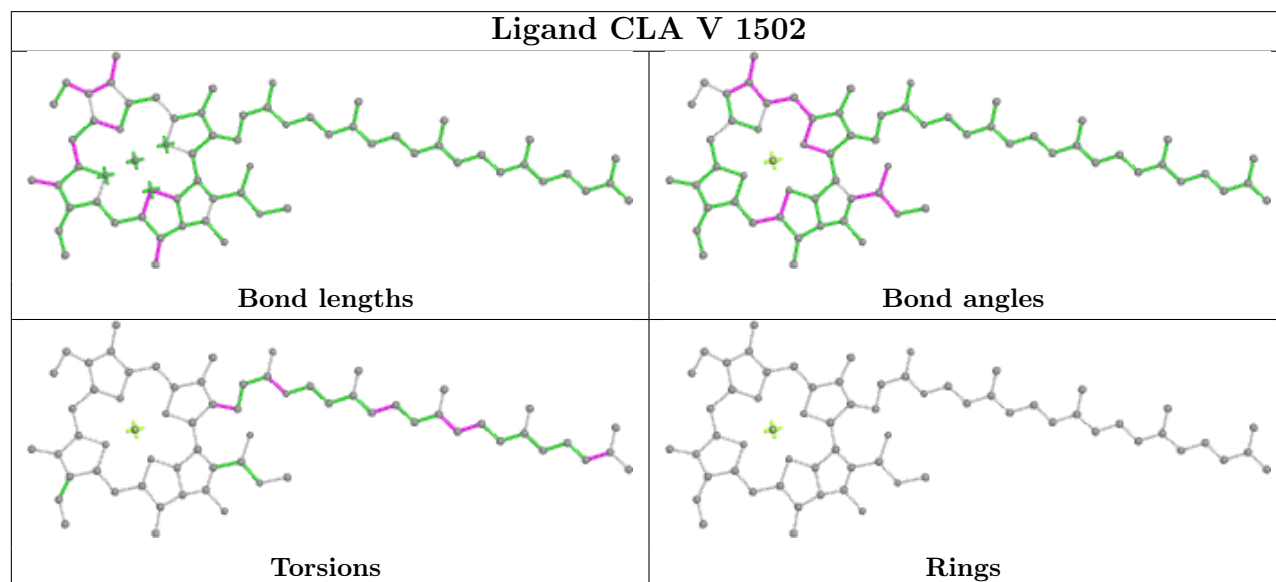
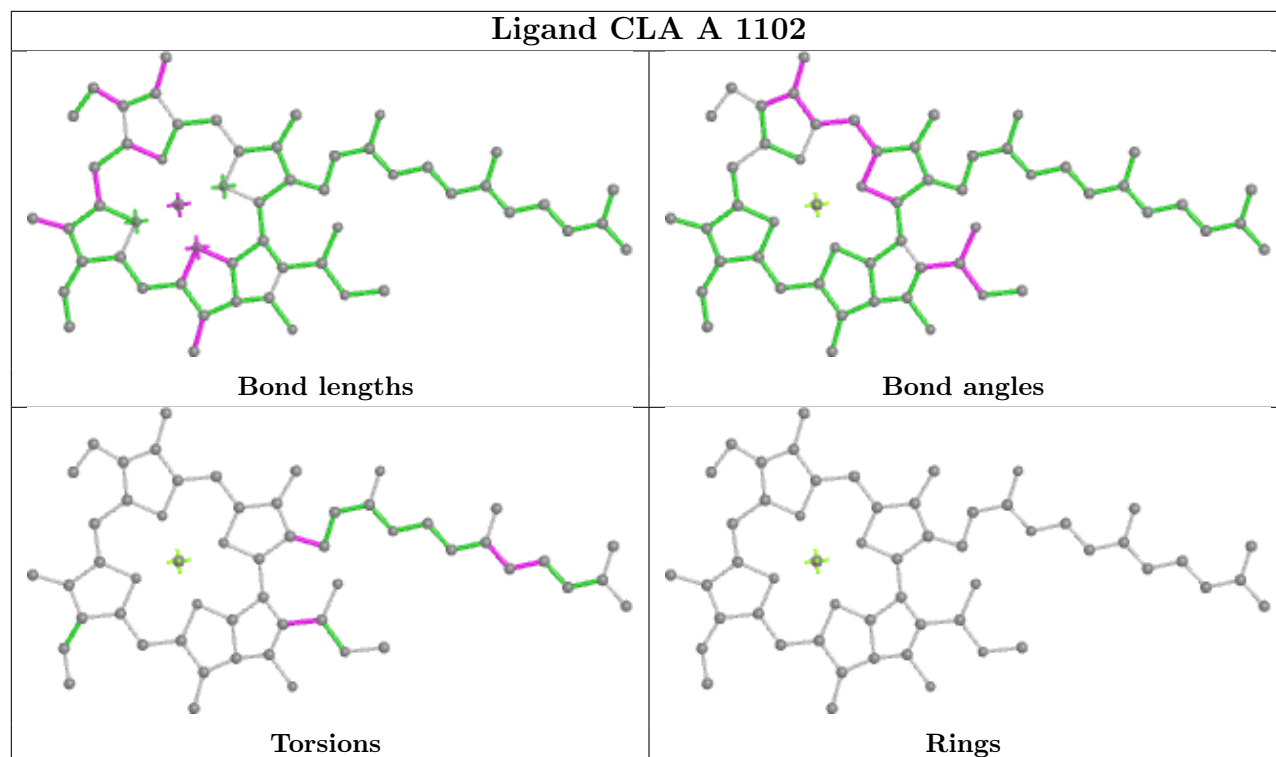


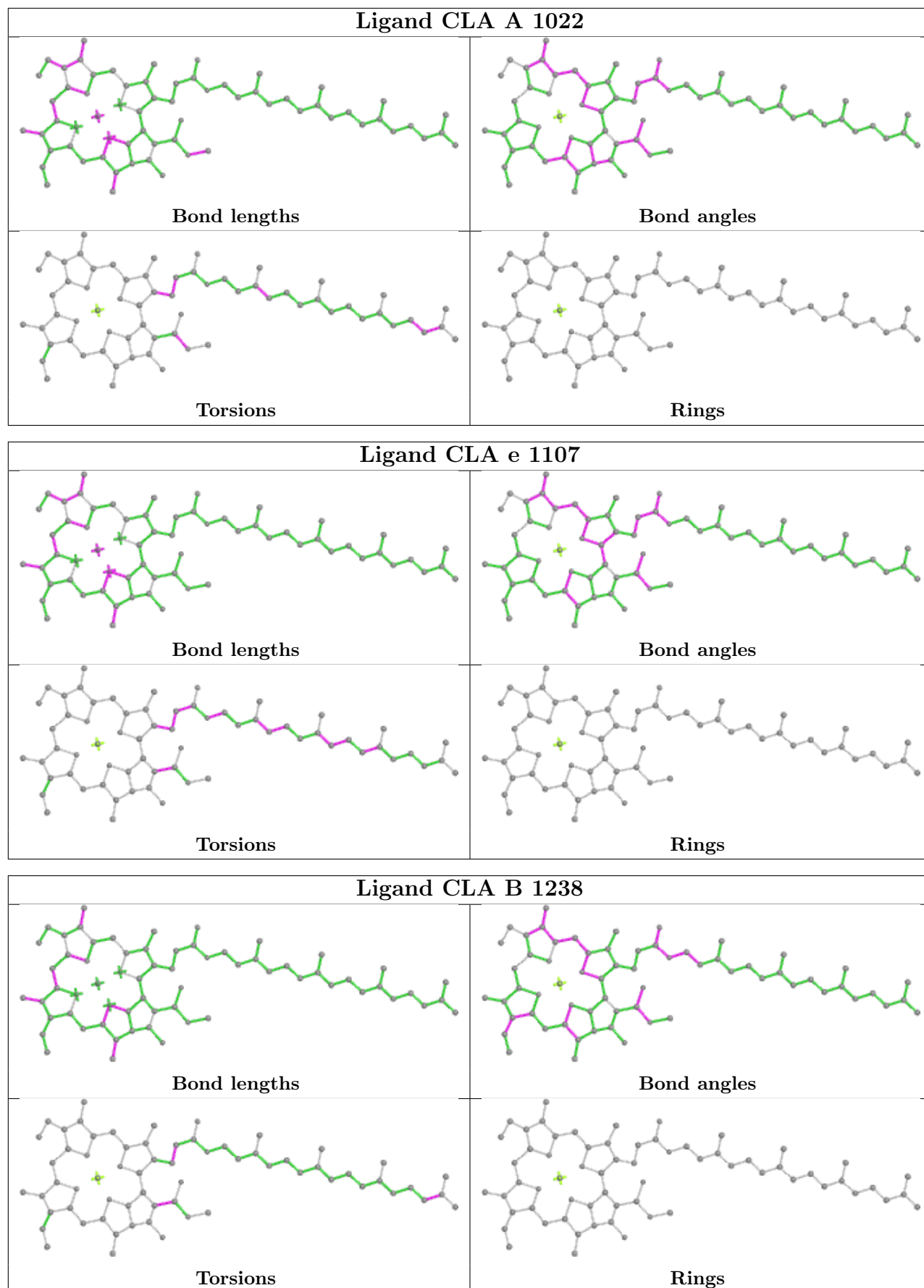


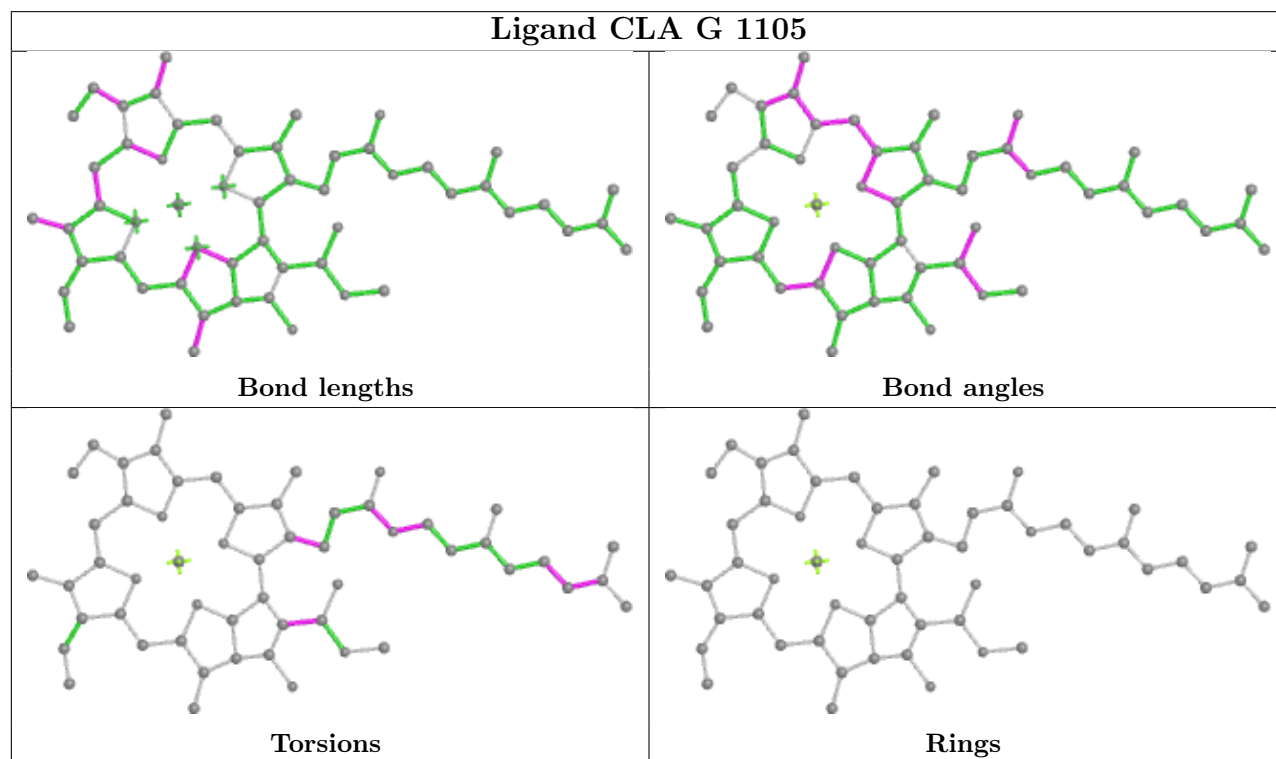
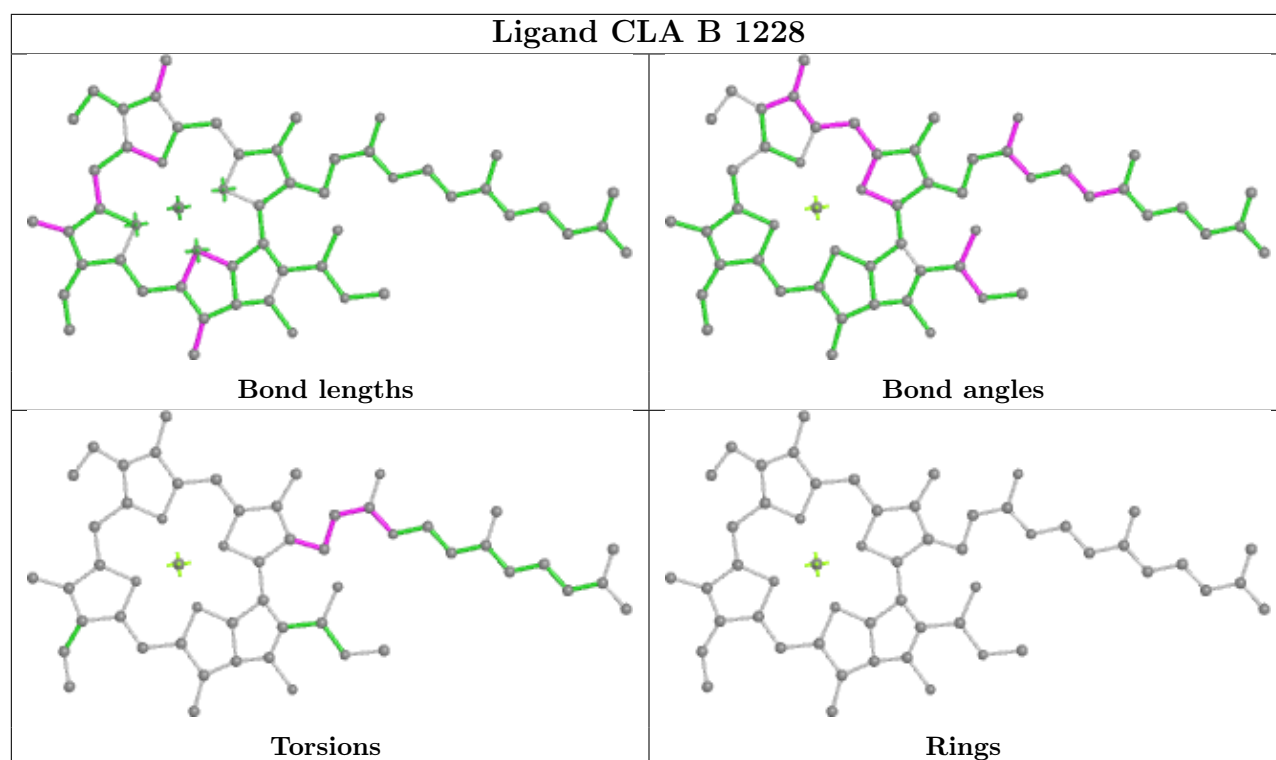


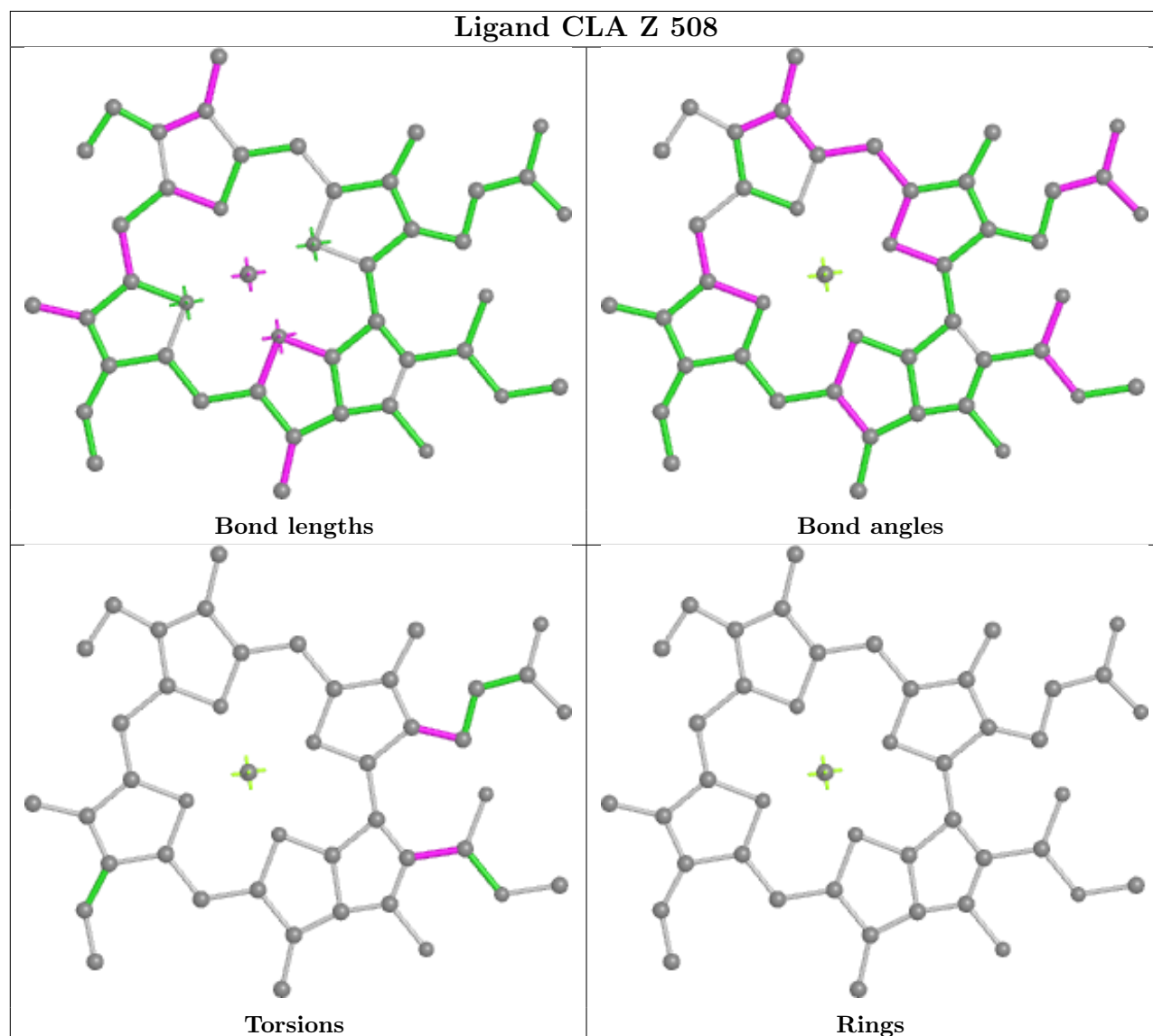
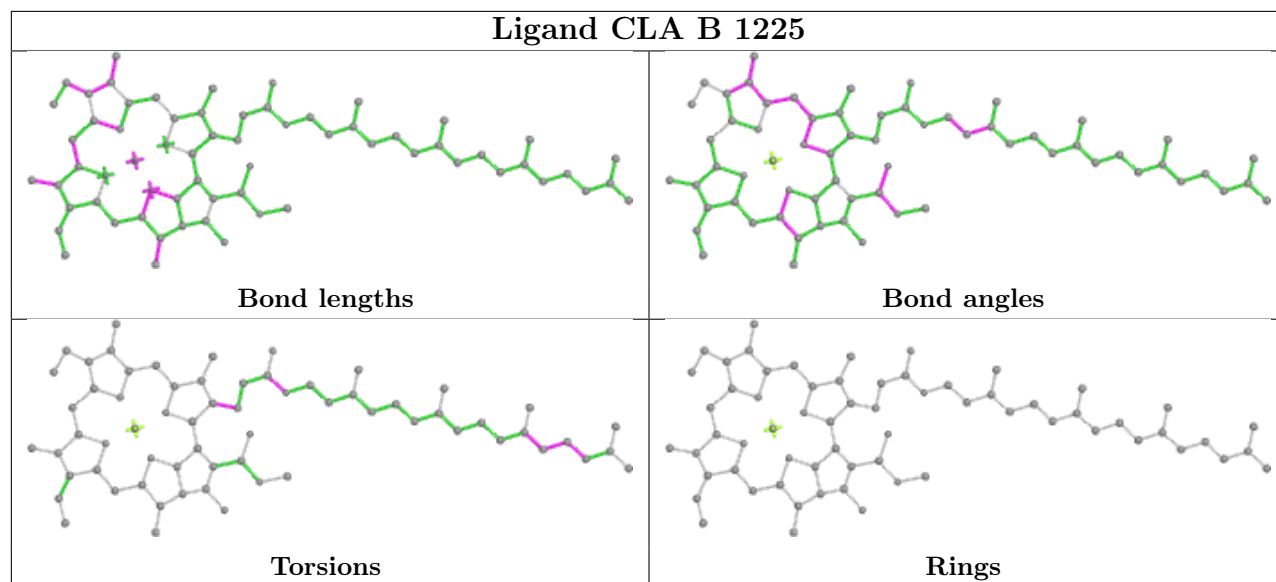


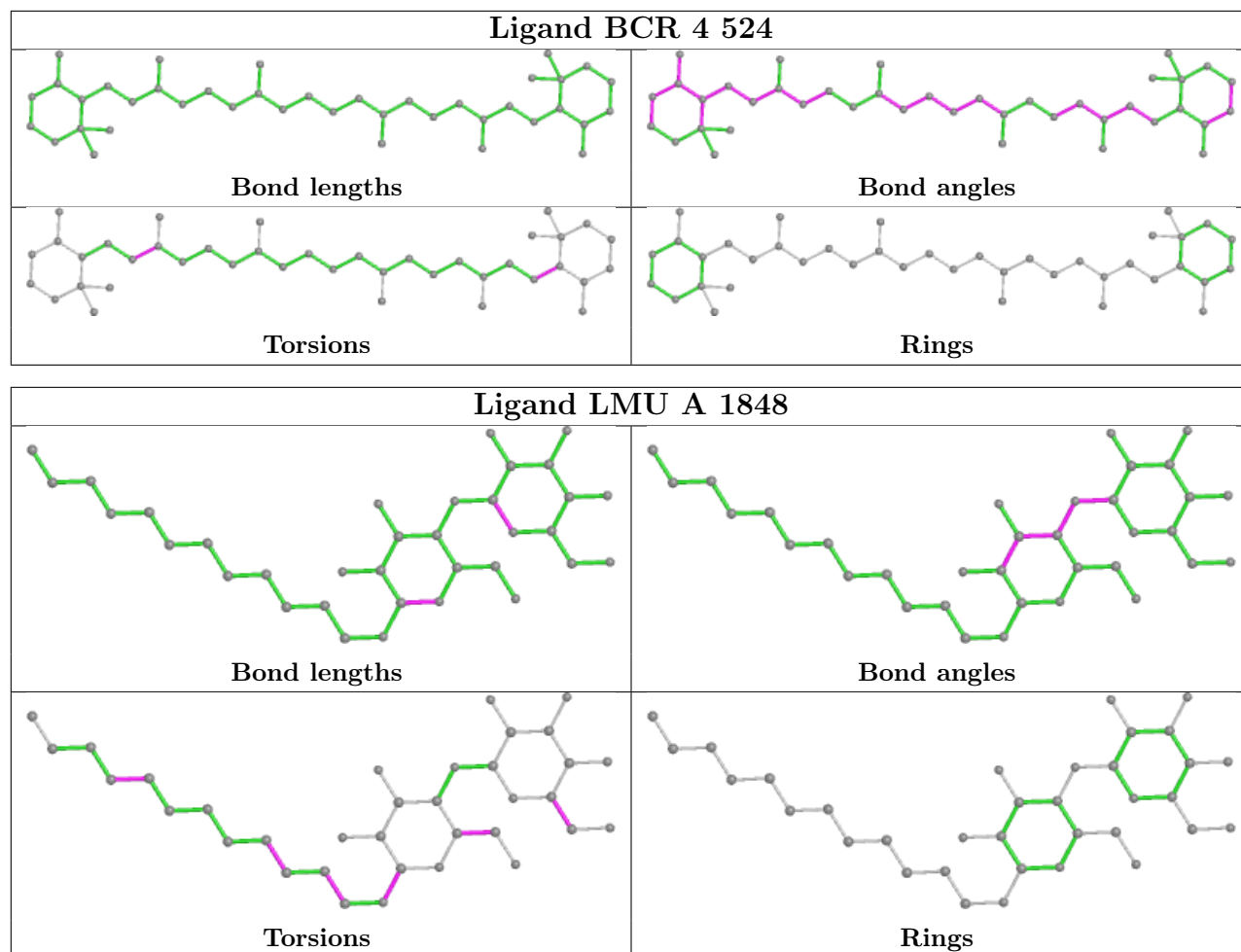




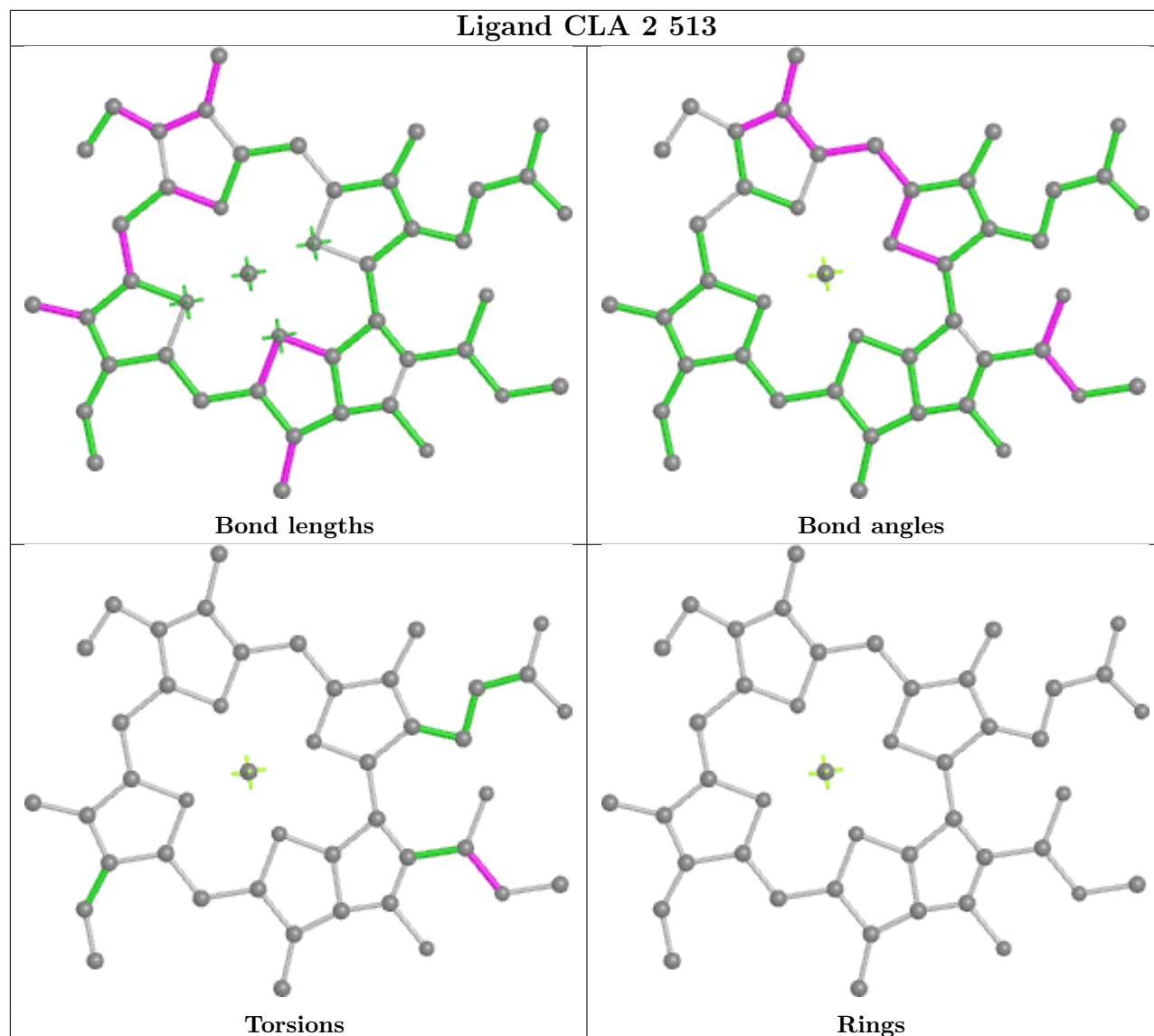




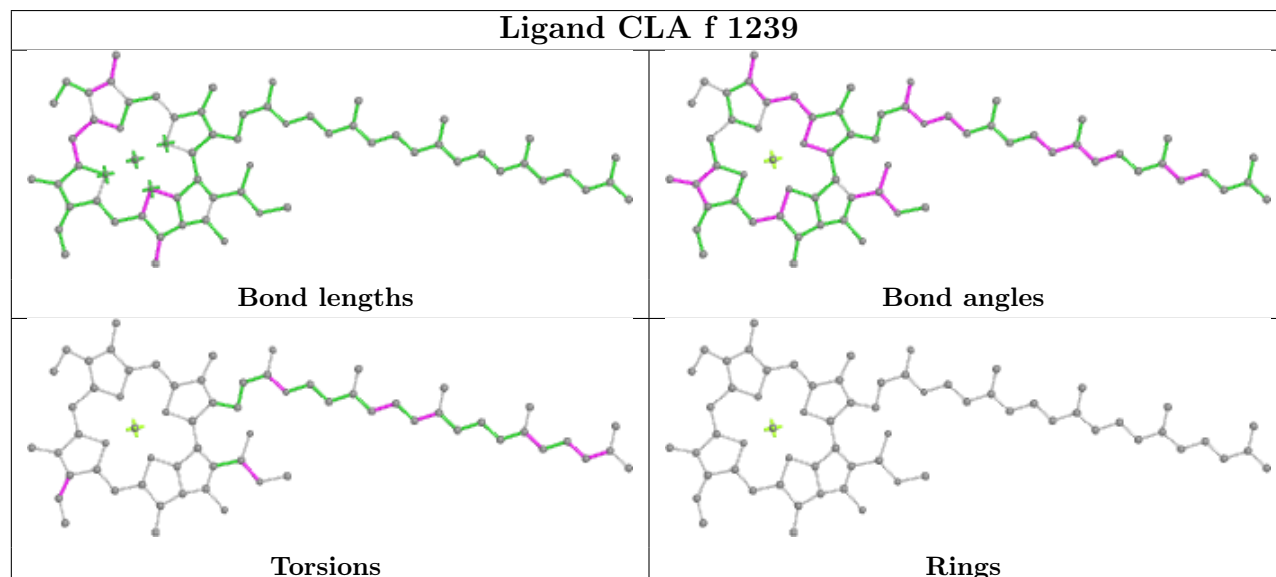


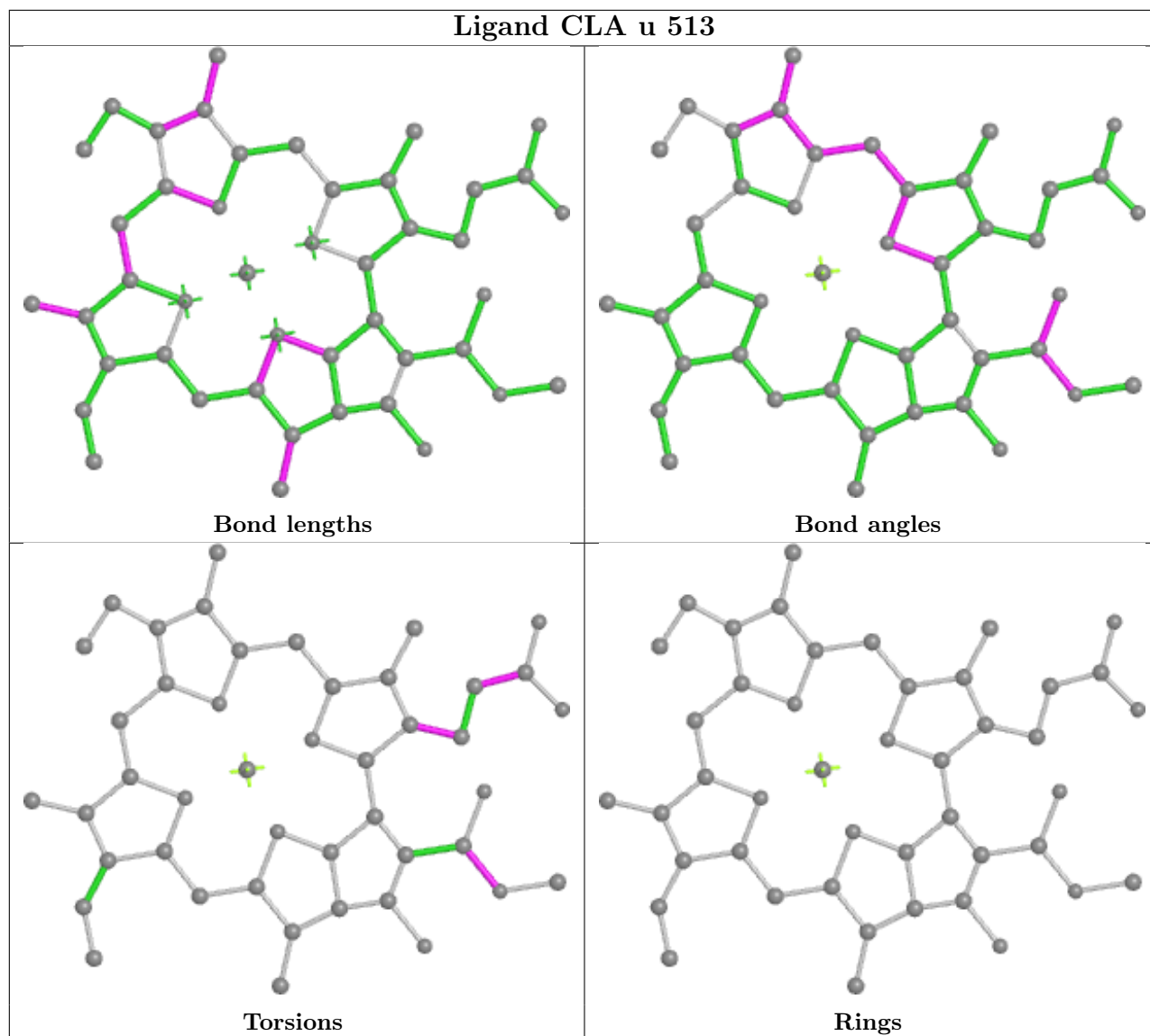
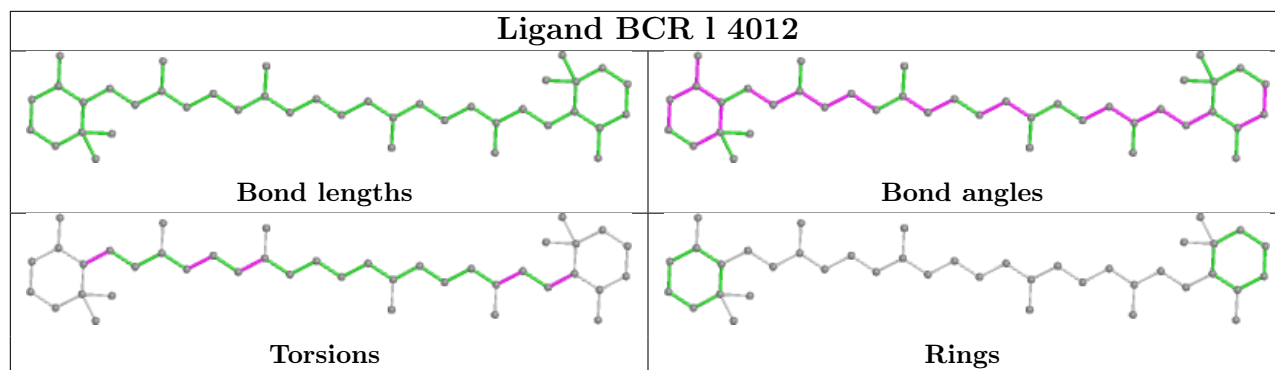


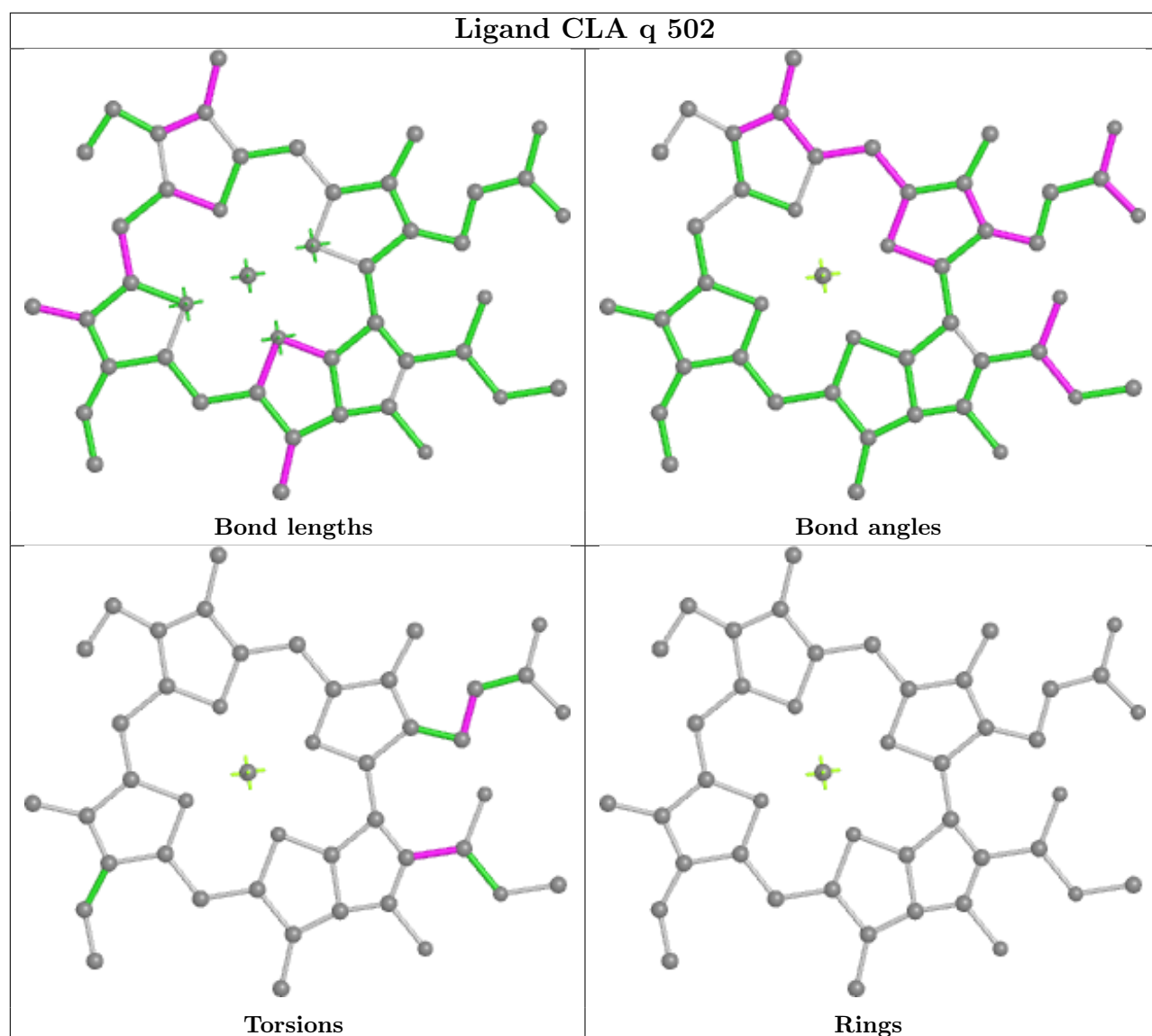
Ligand CLA 2 513

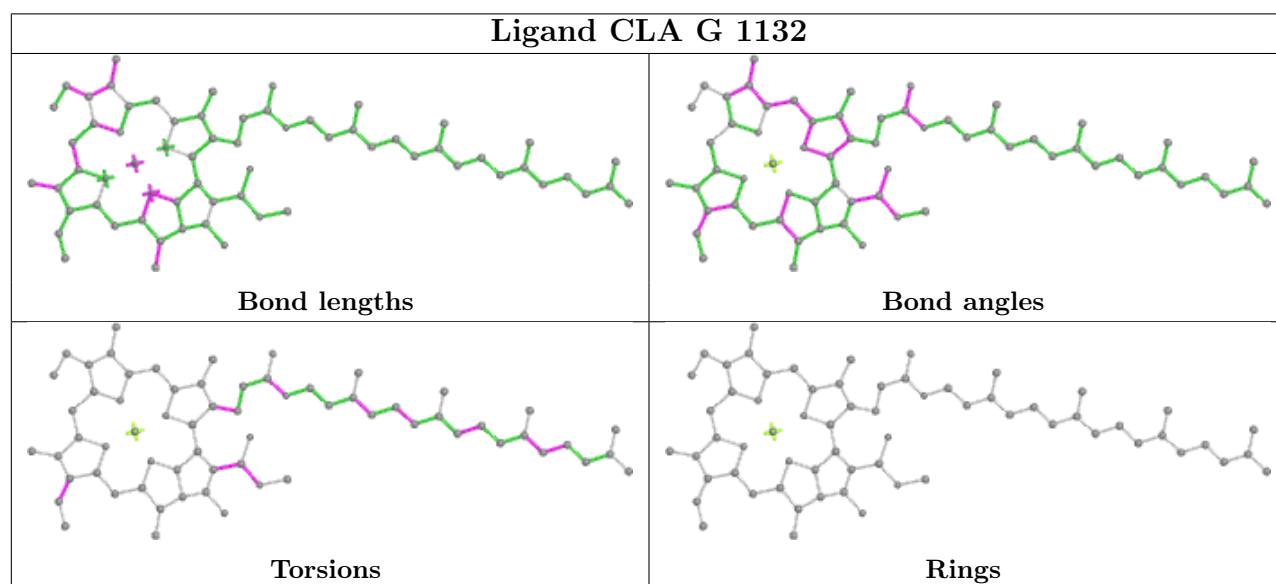
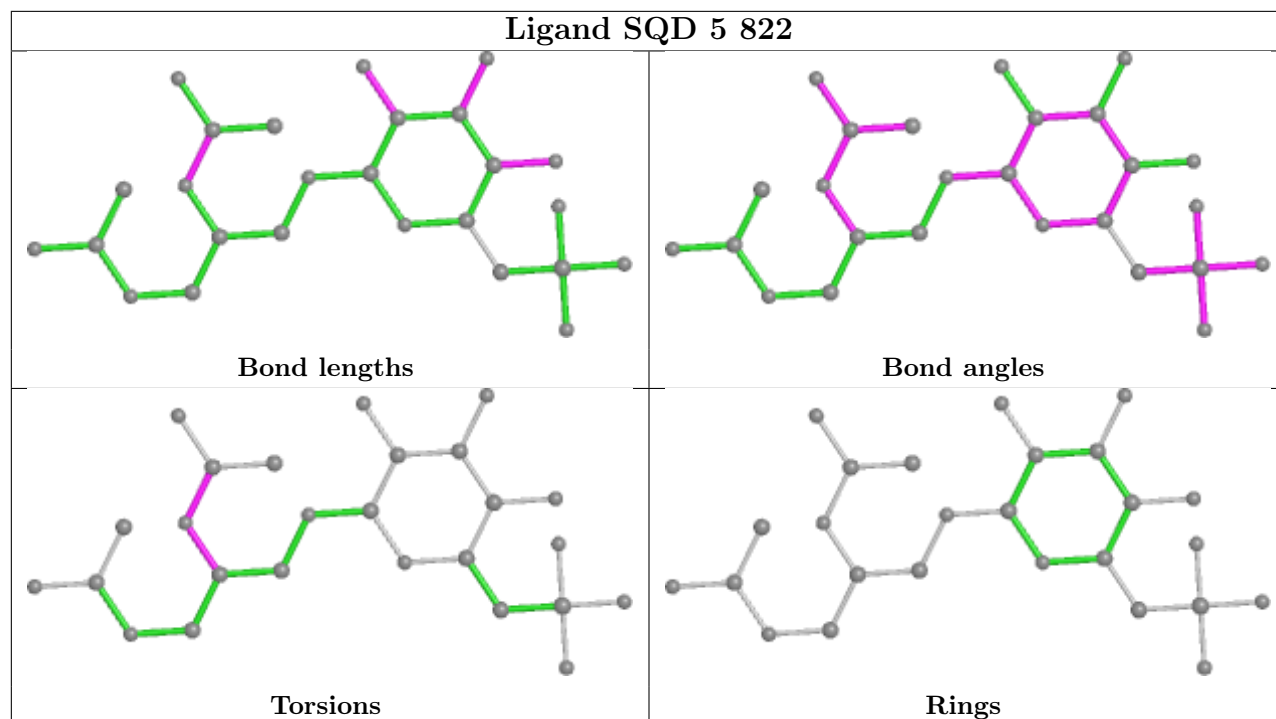


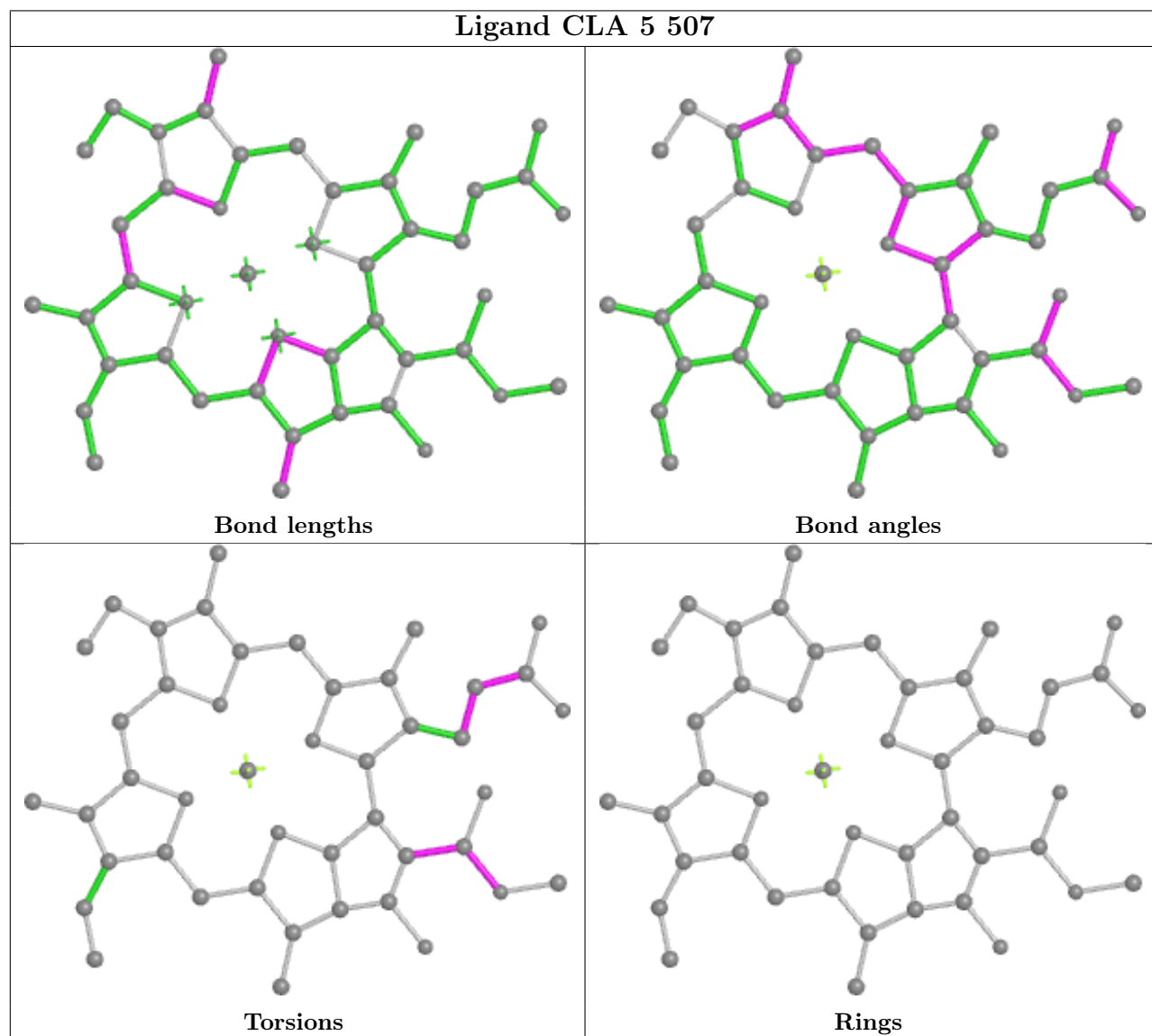
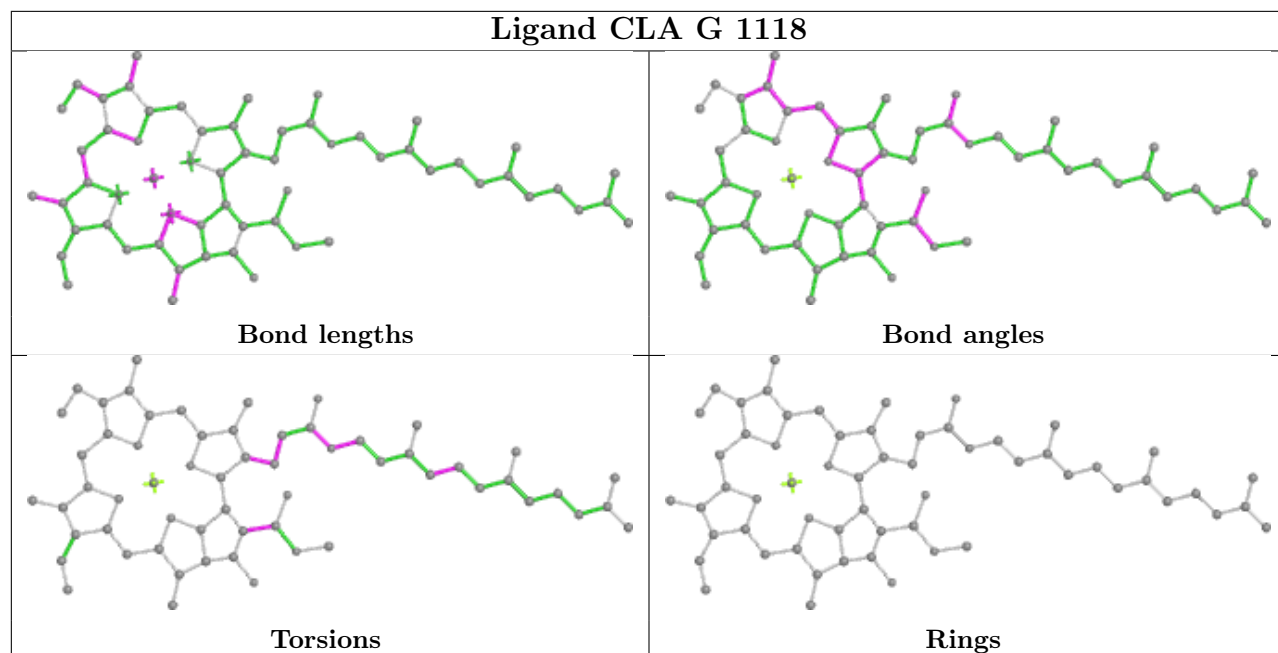
Ligand CLA f 1239

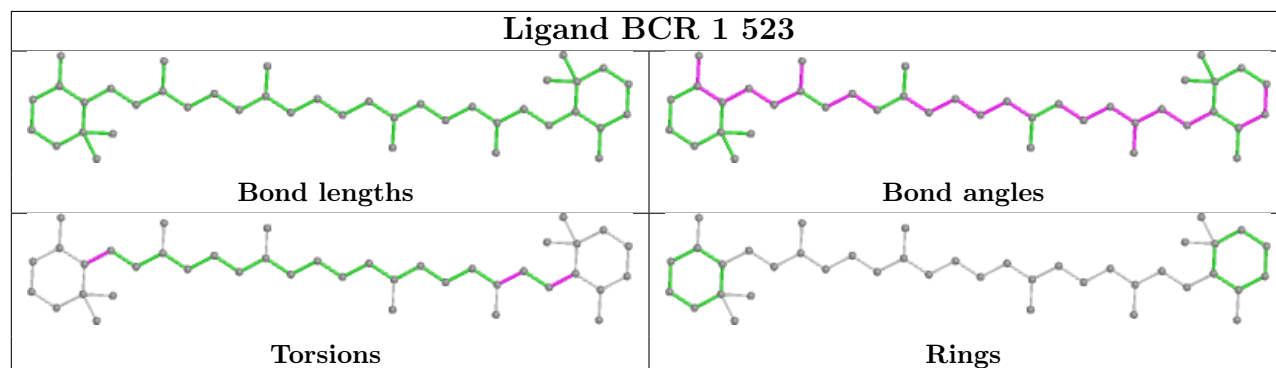
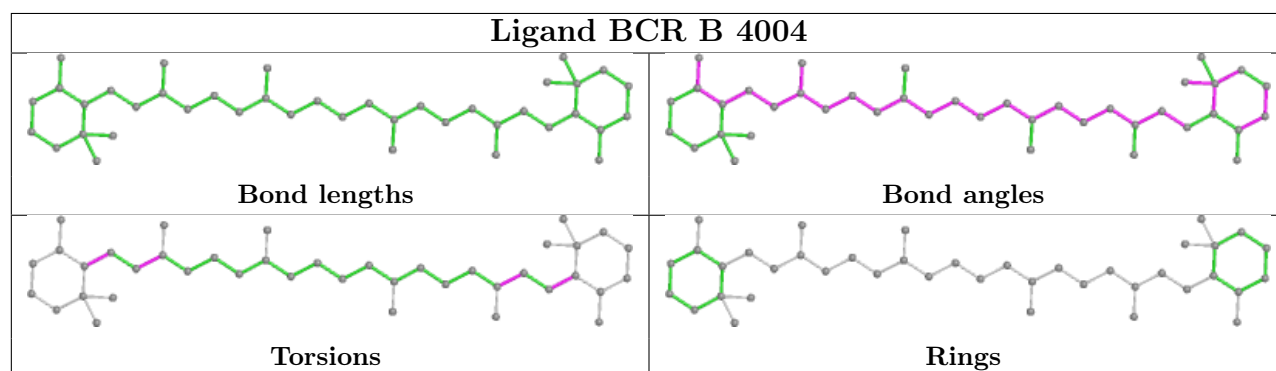
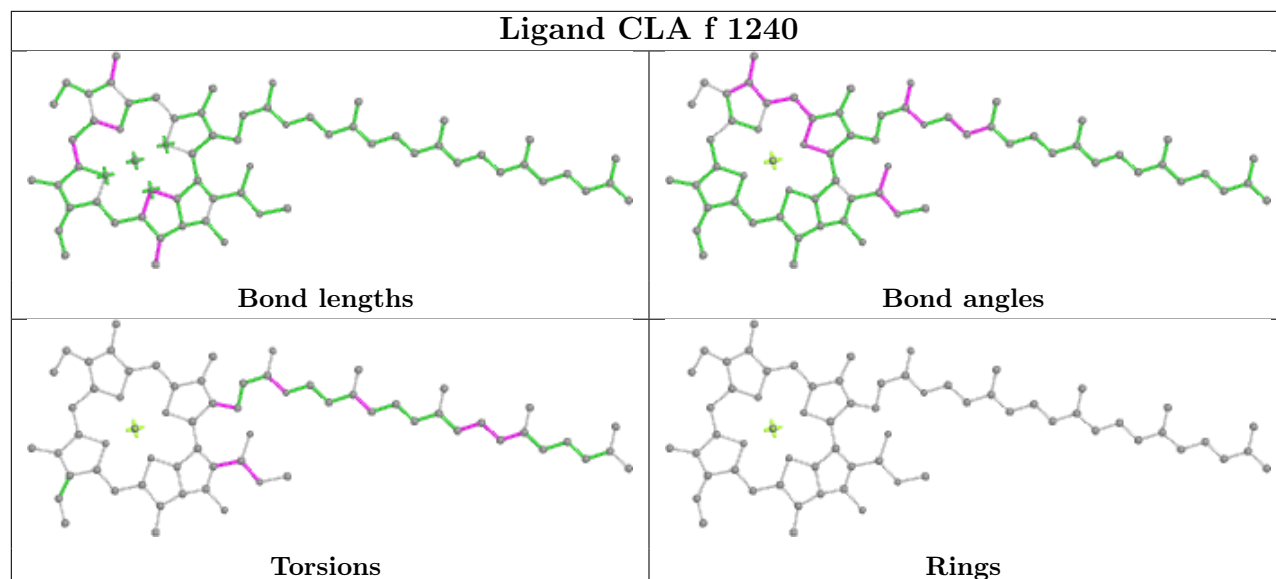
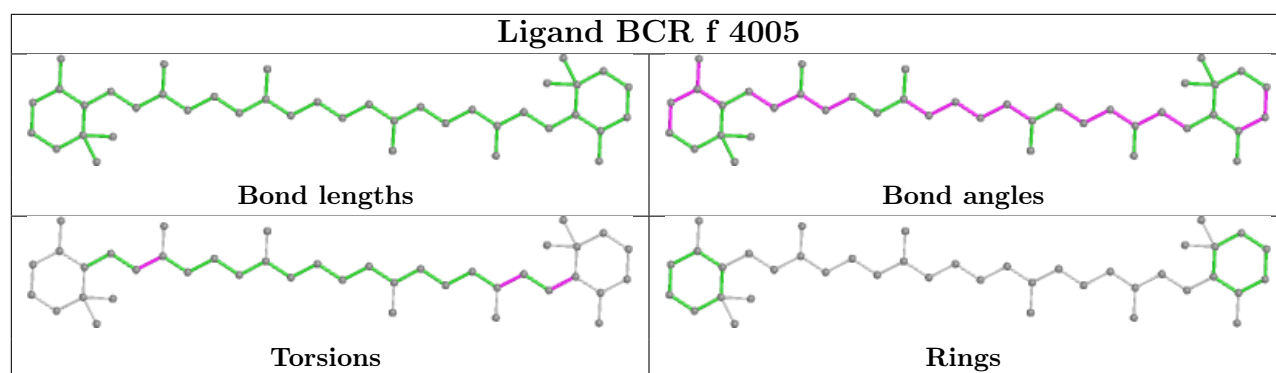


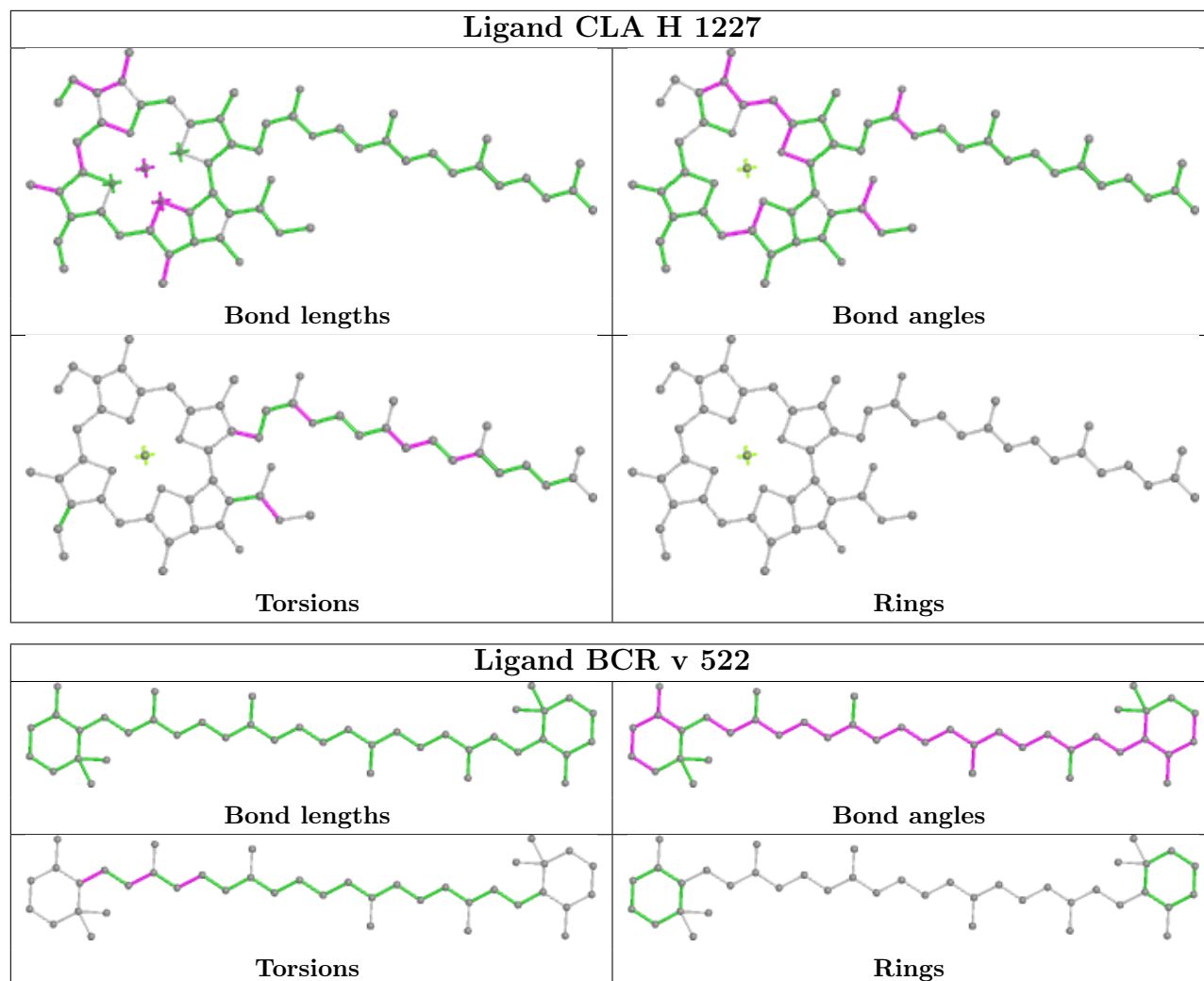


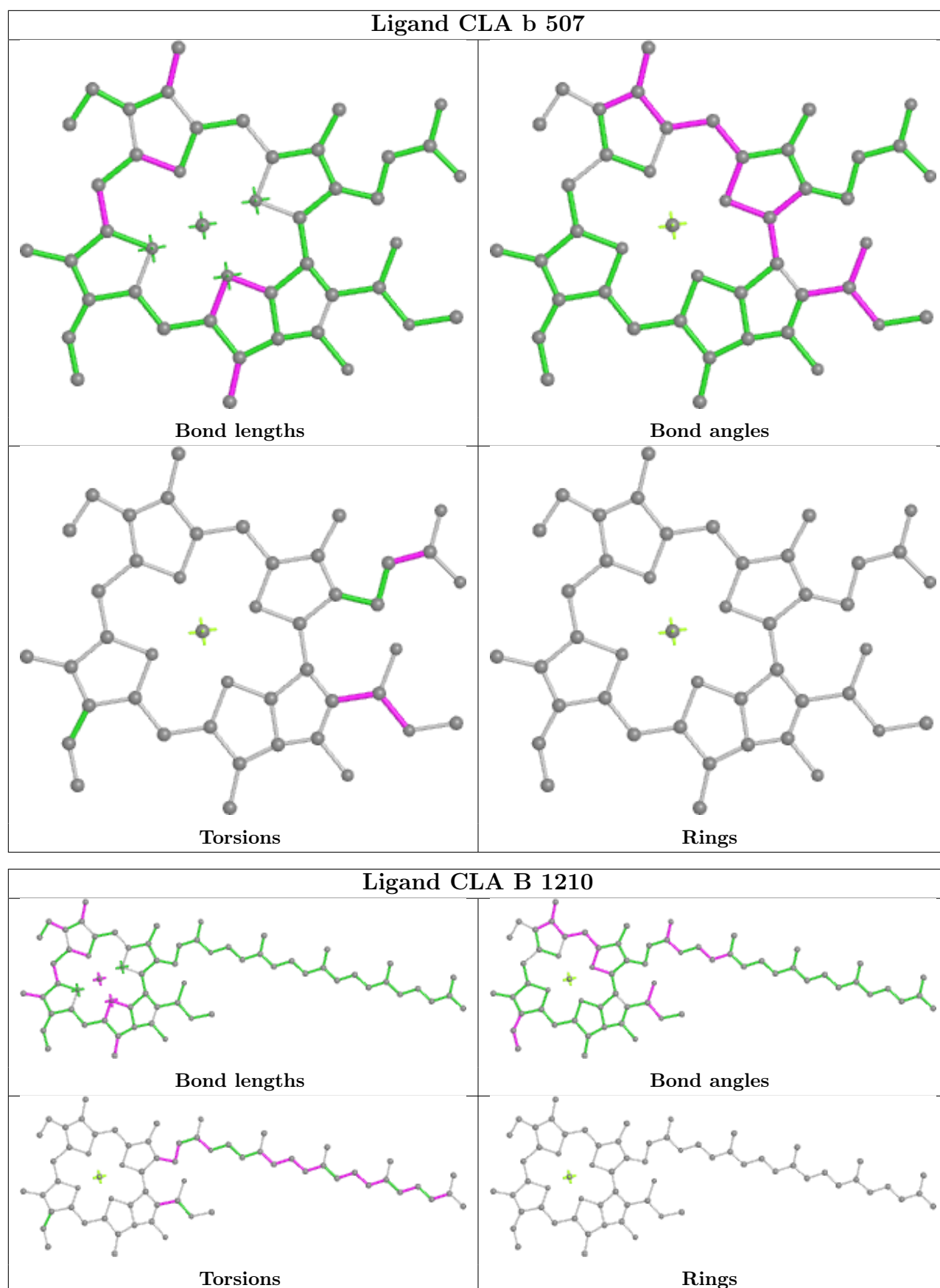


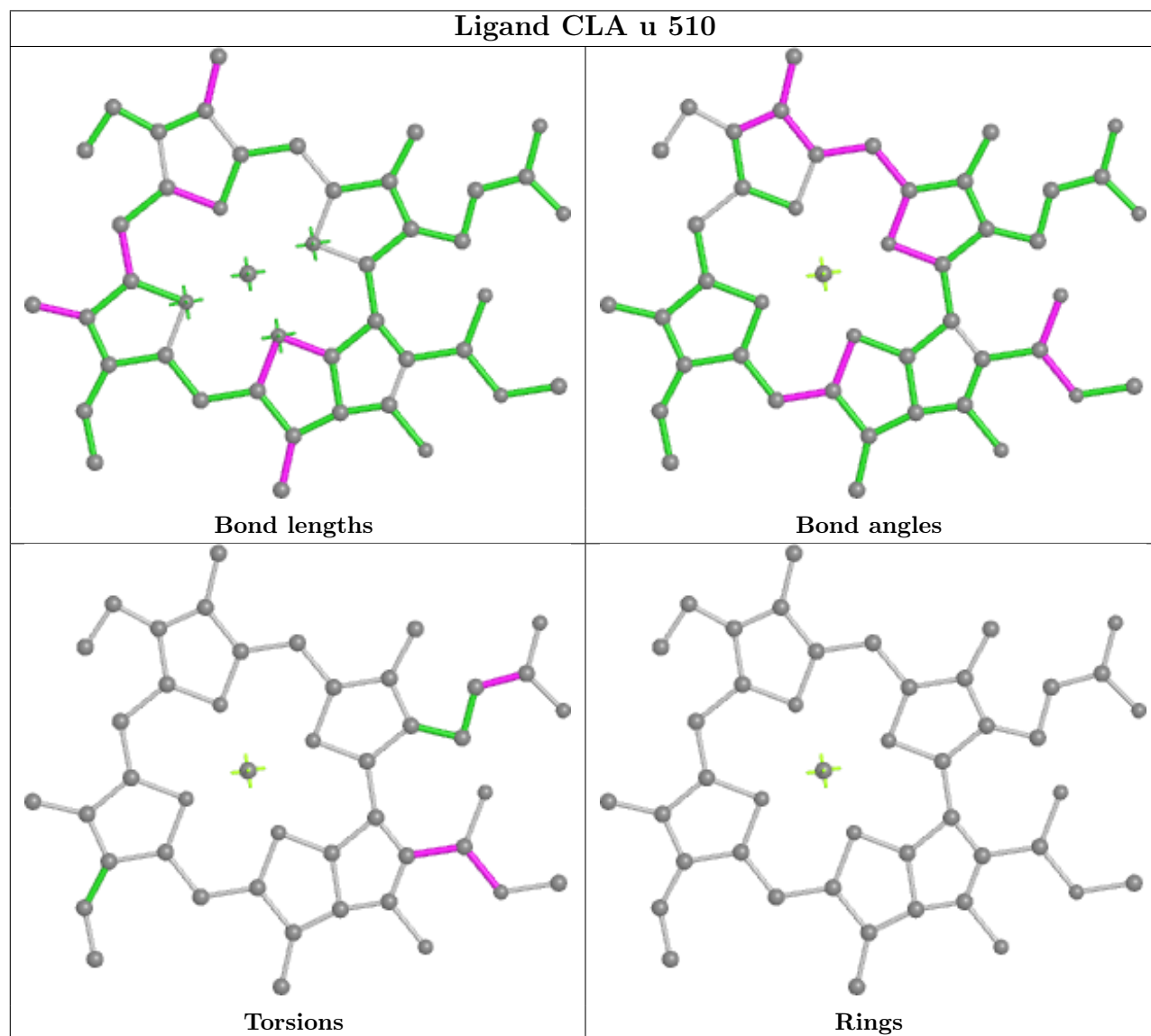
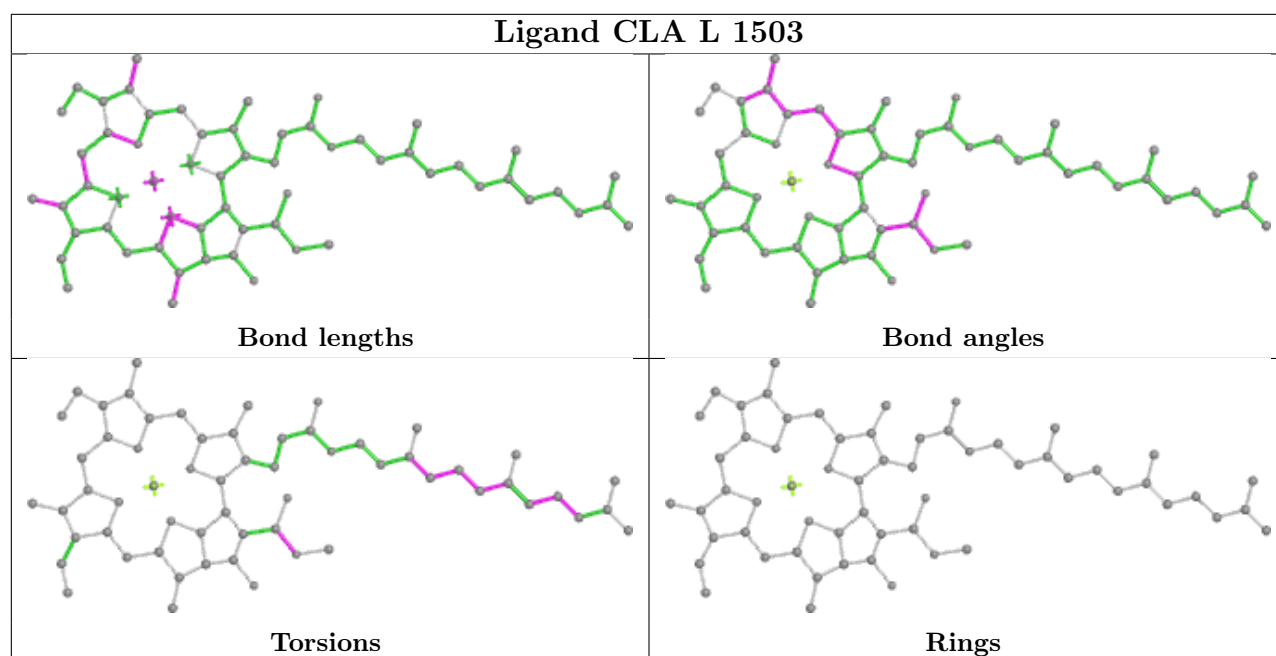


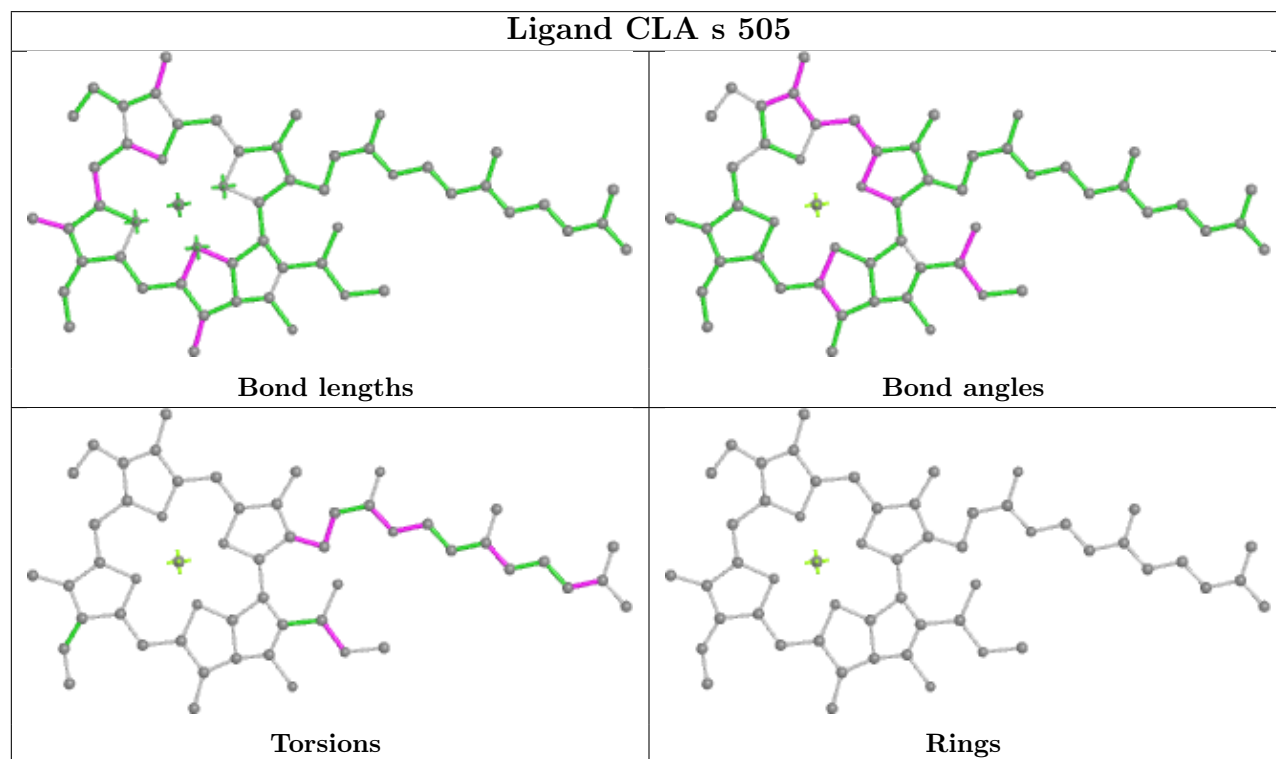
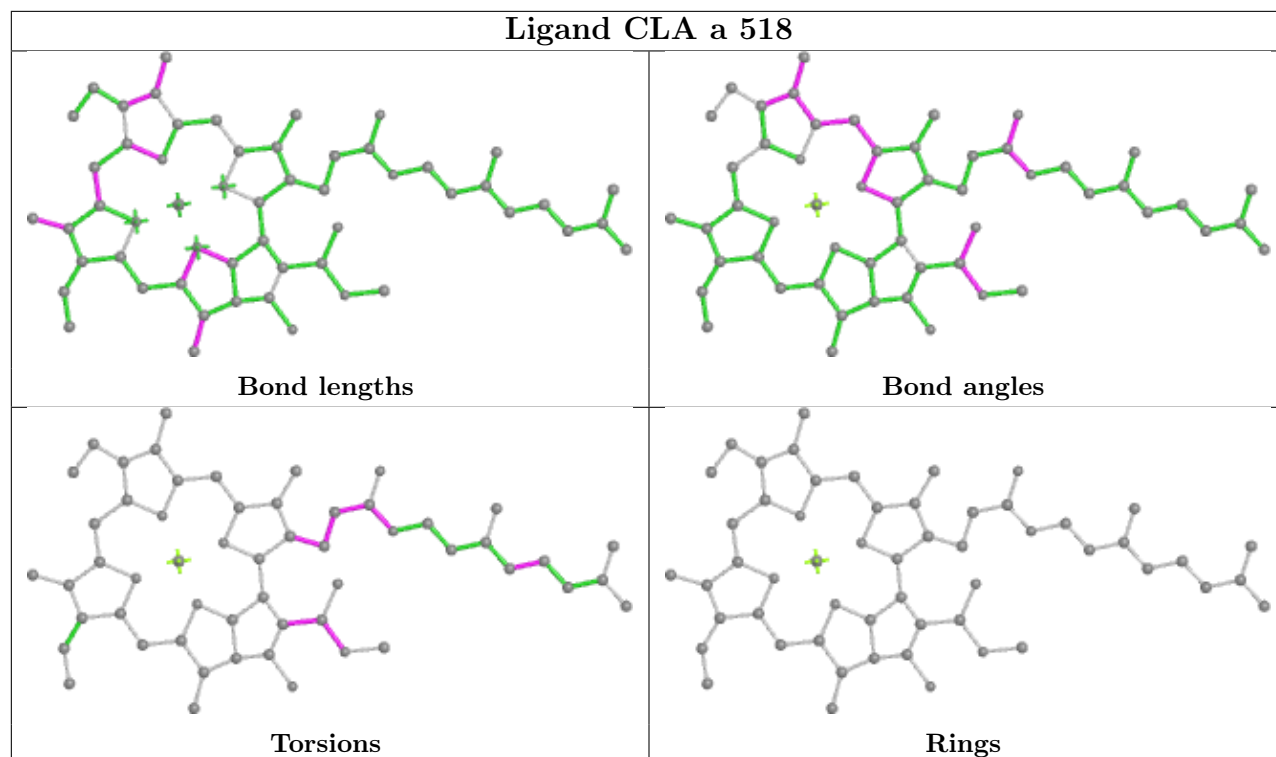


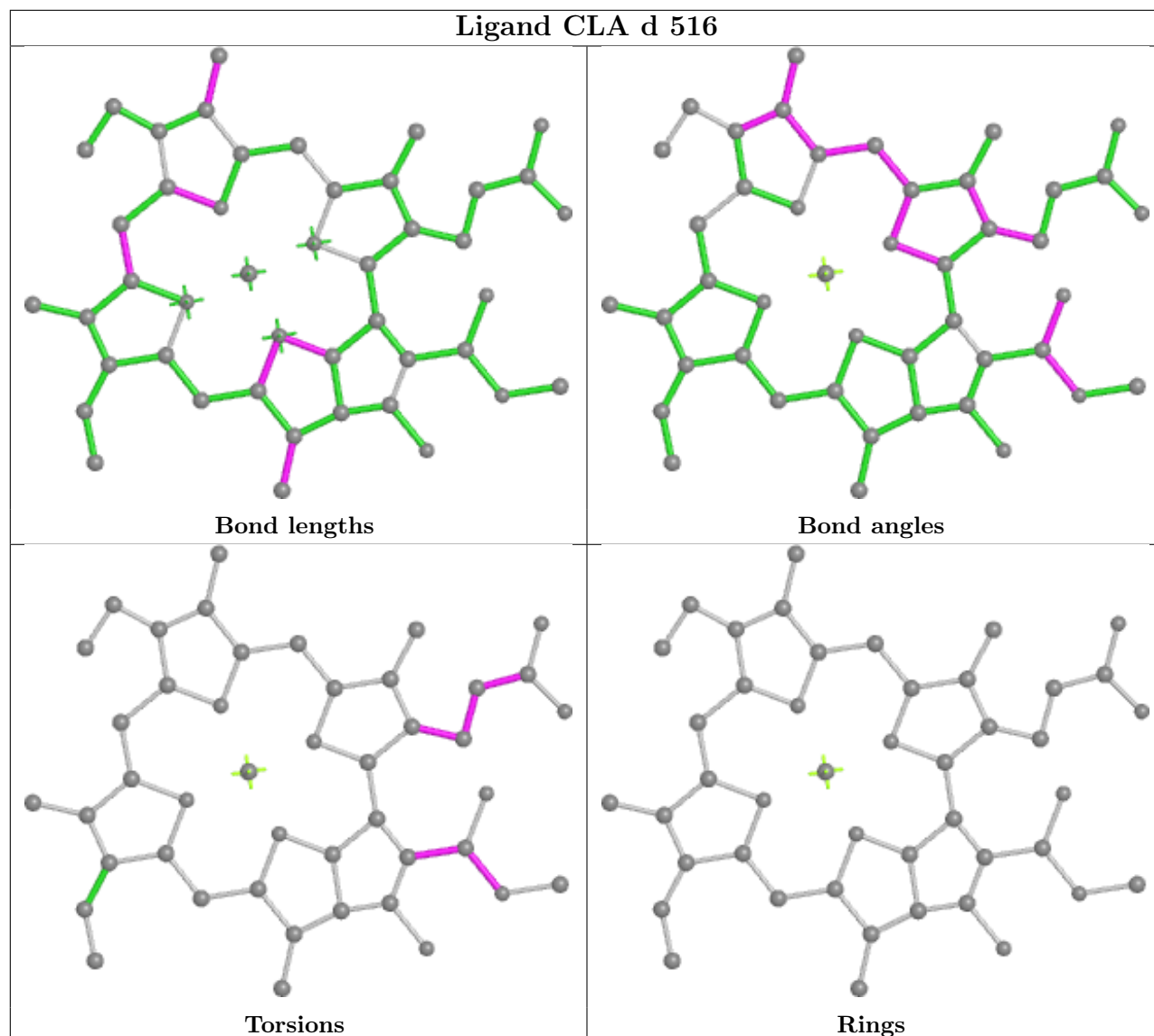


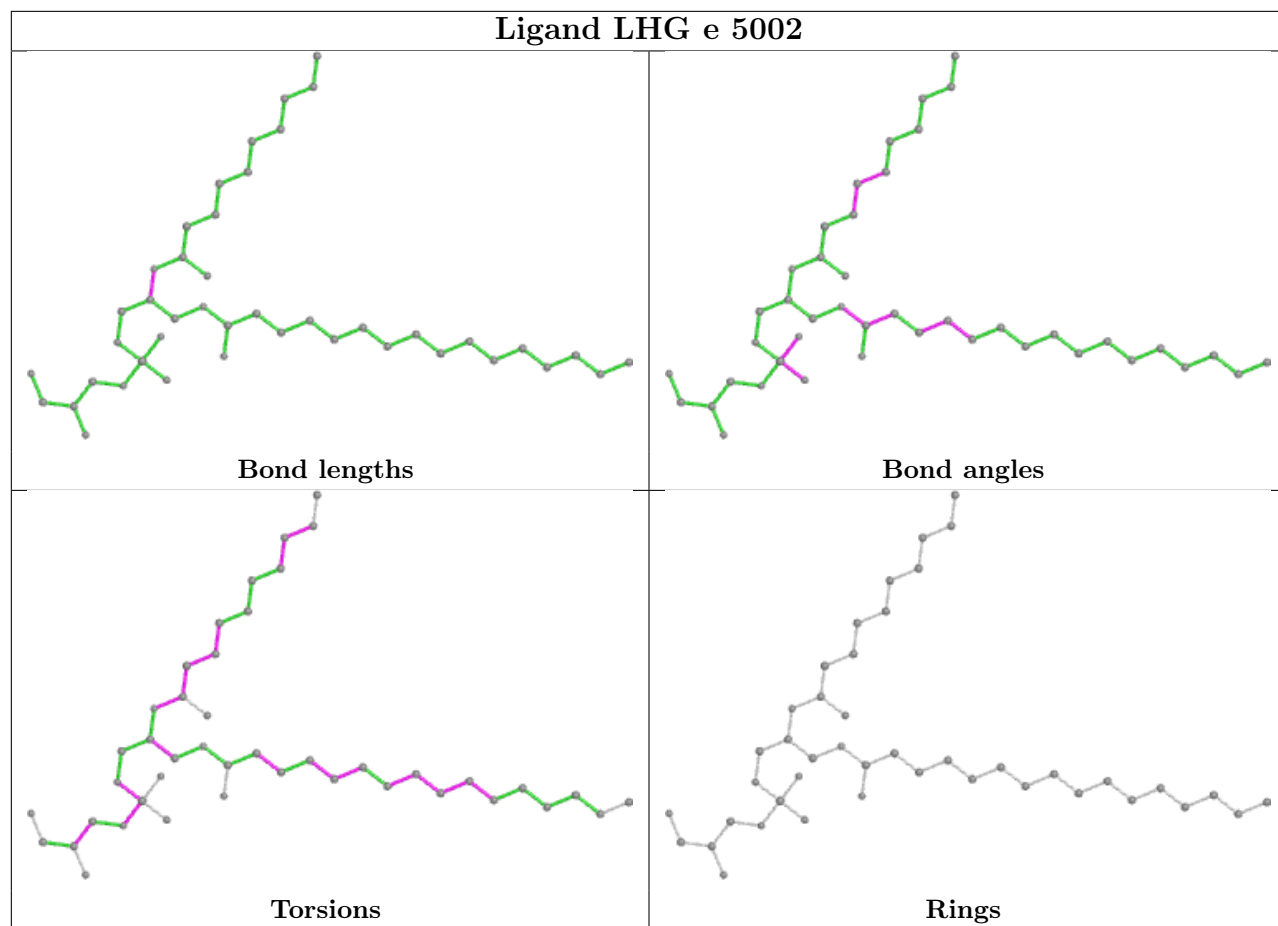


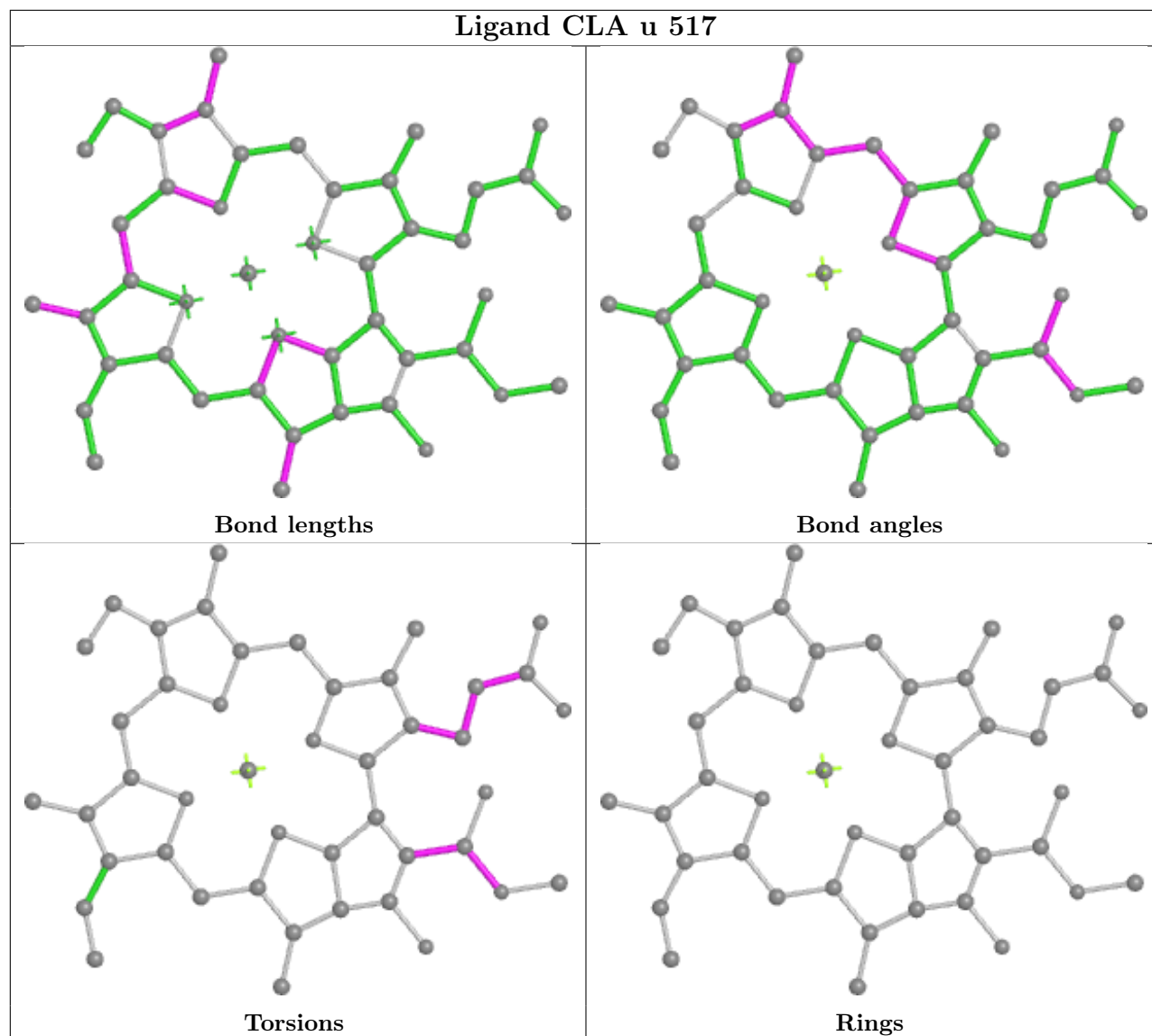


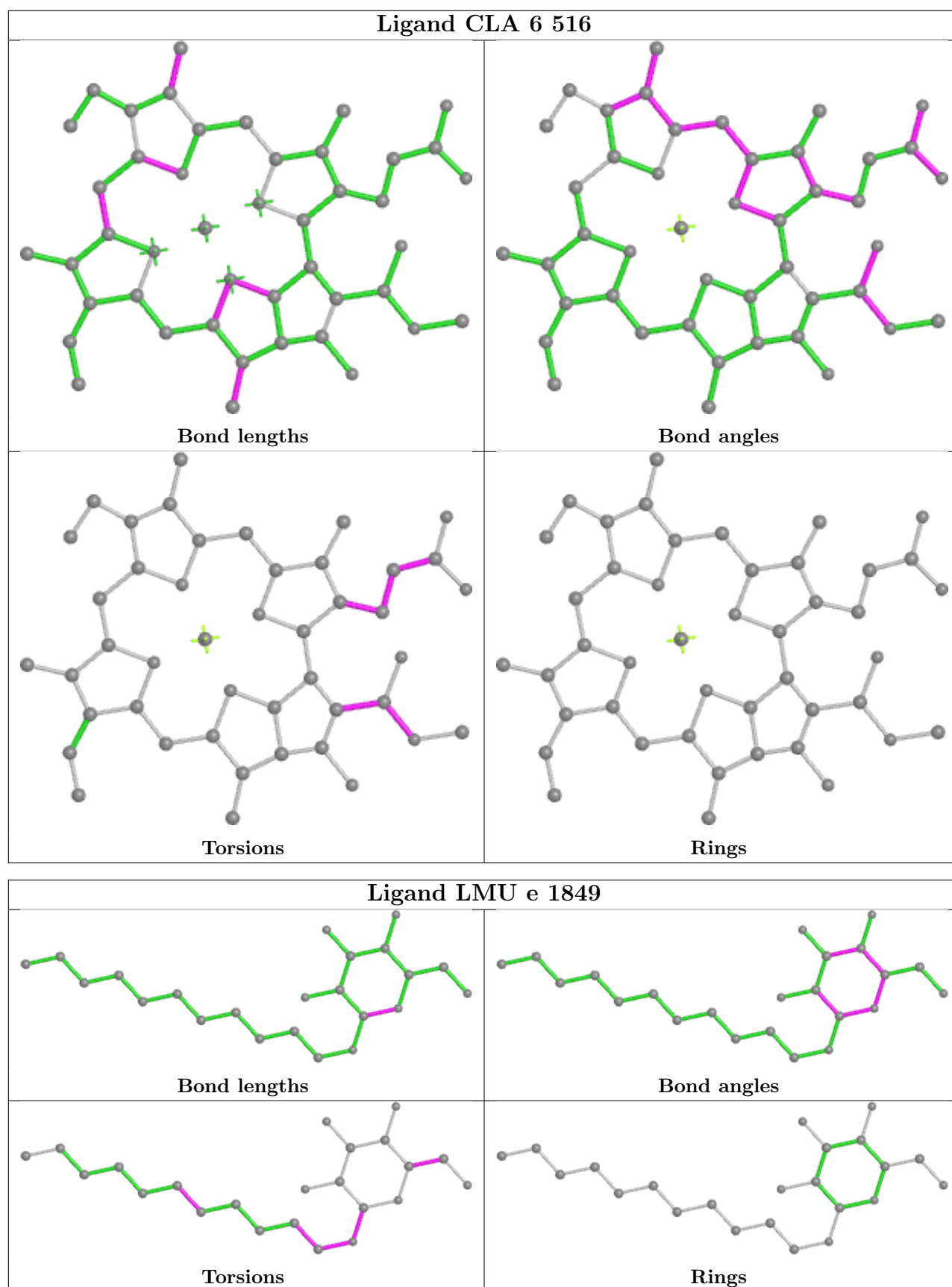


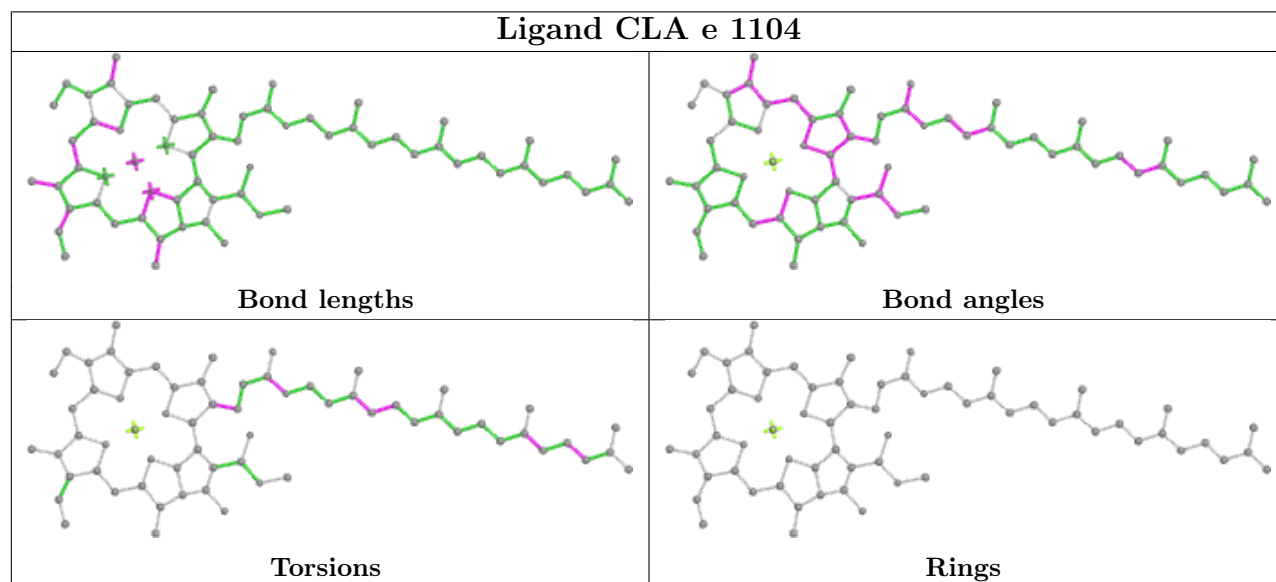
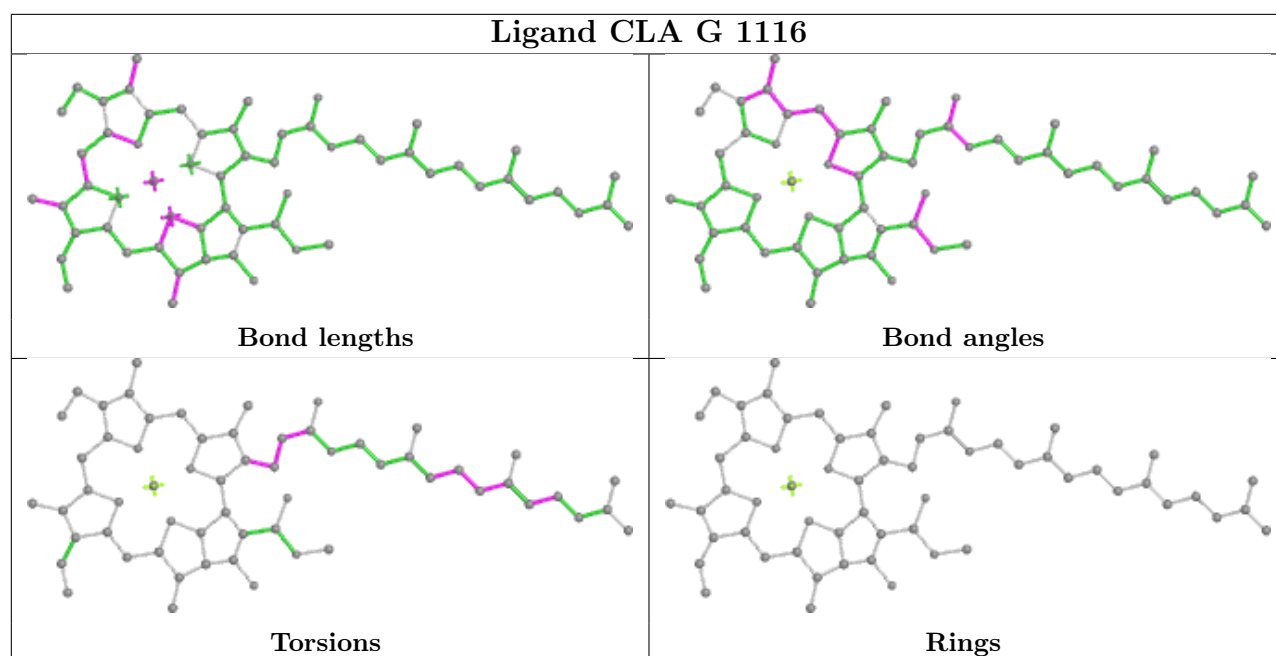


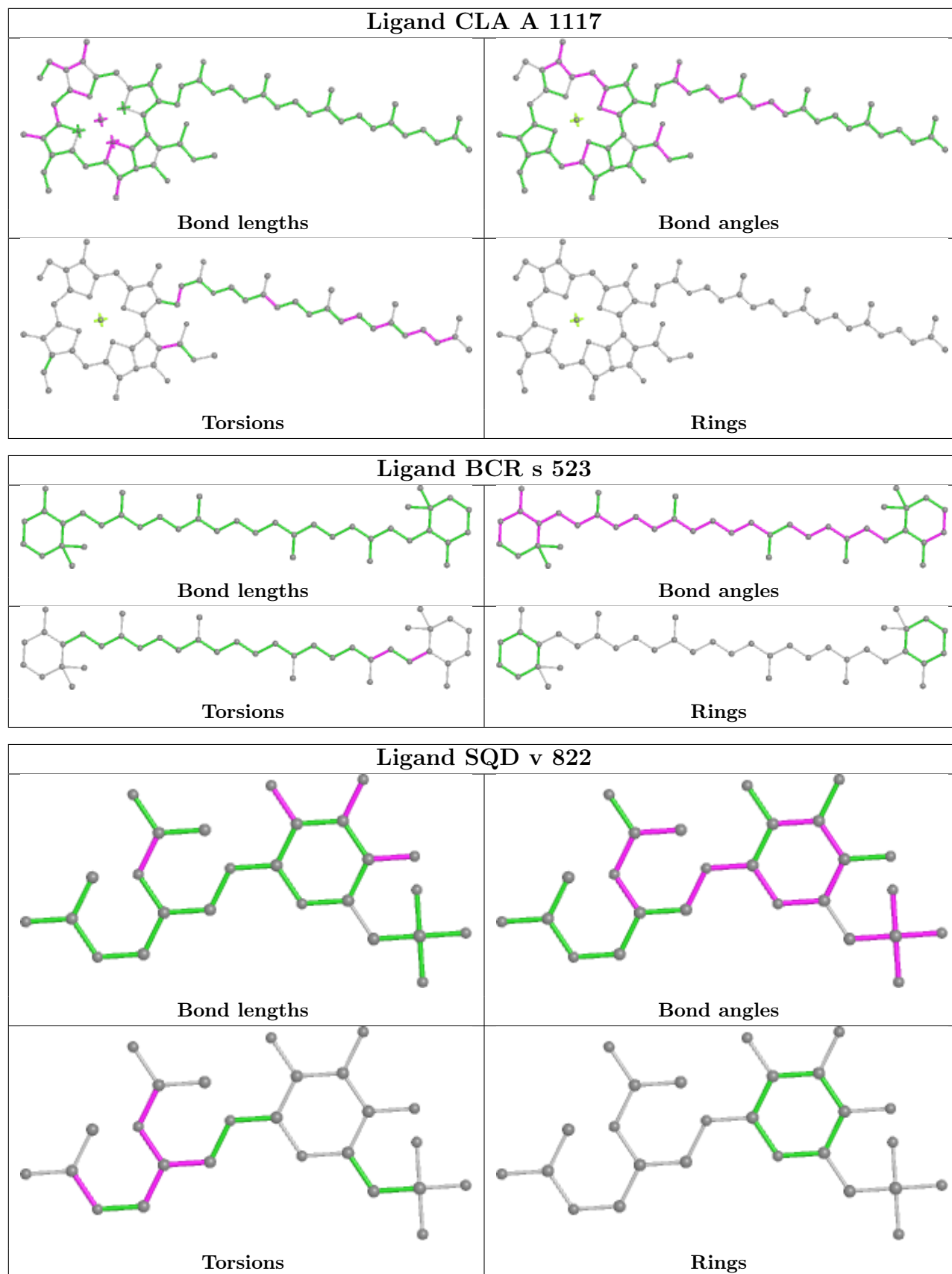


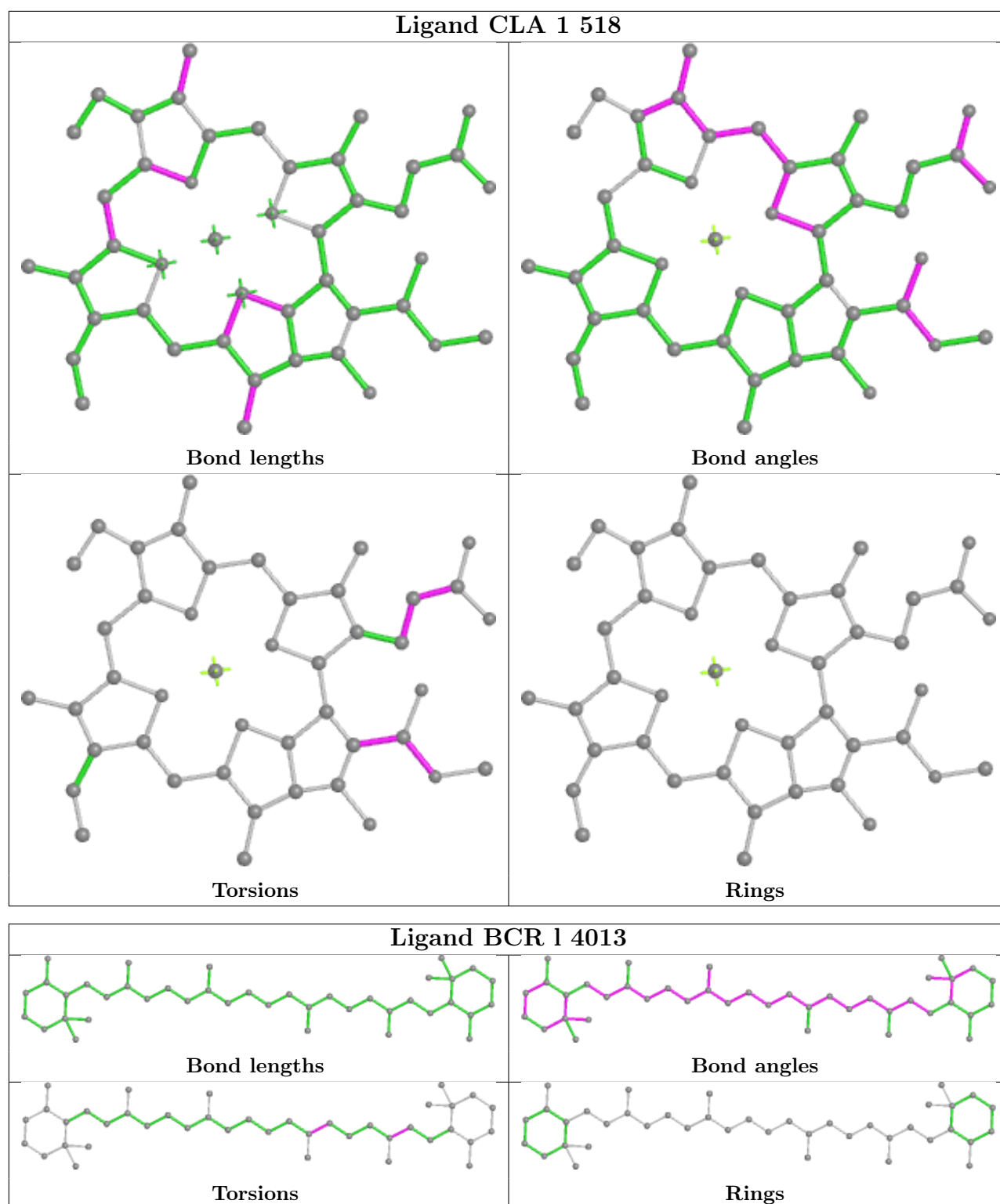


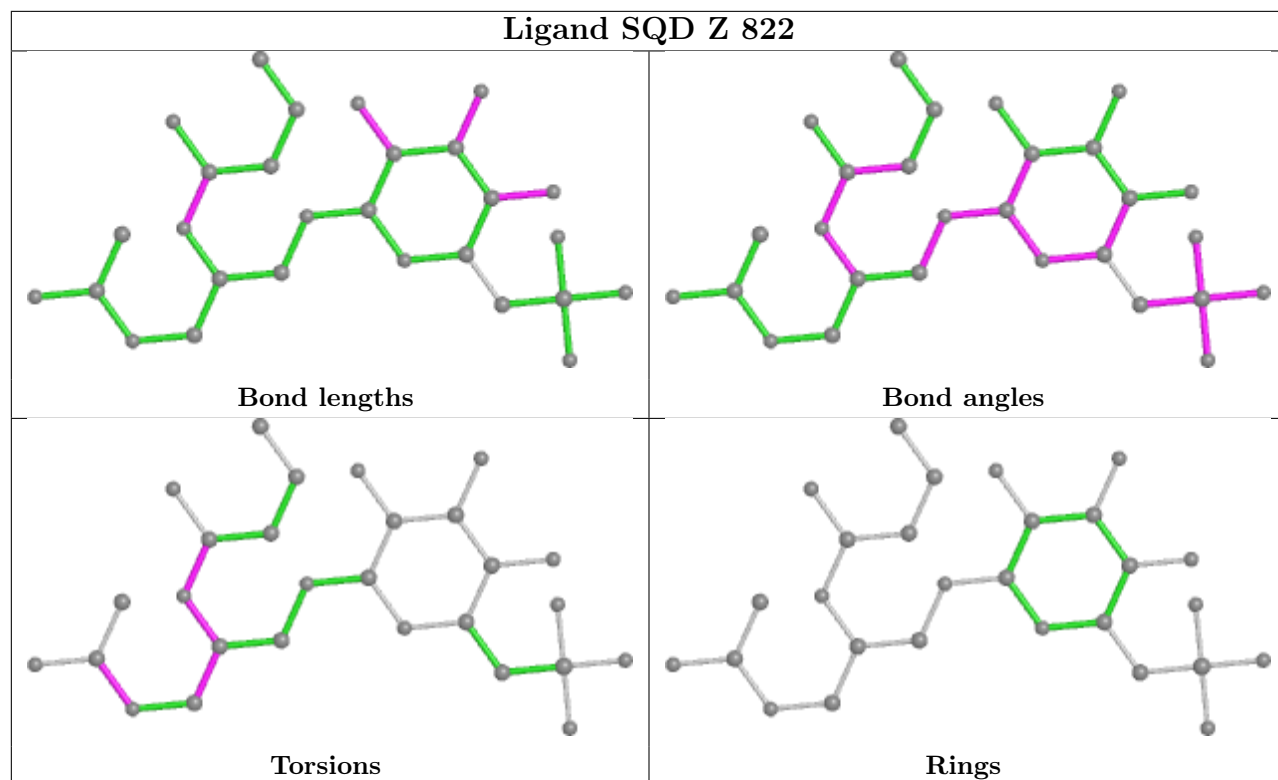


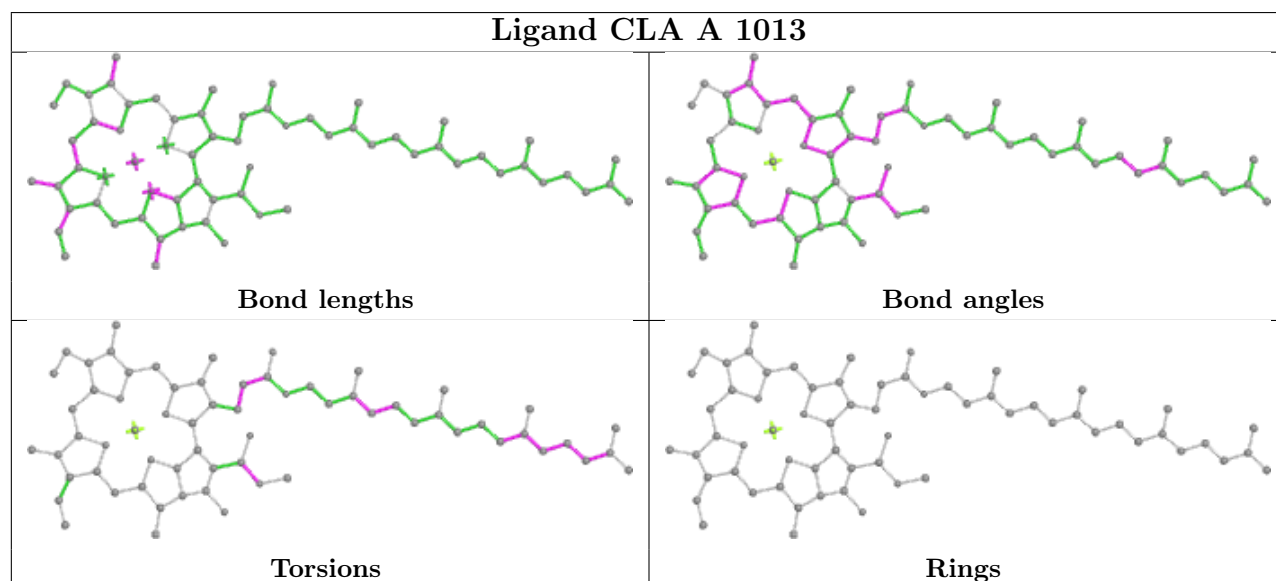
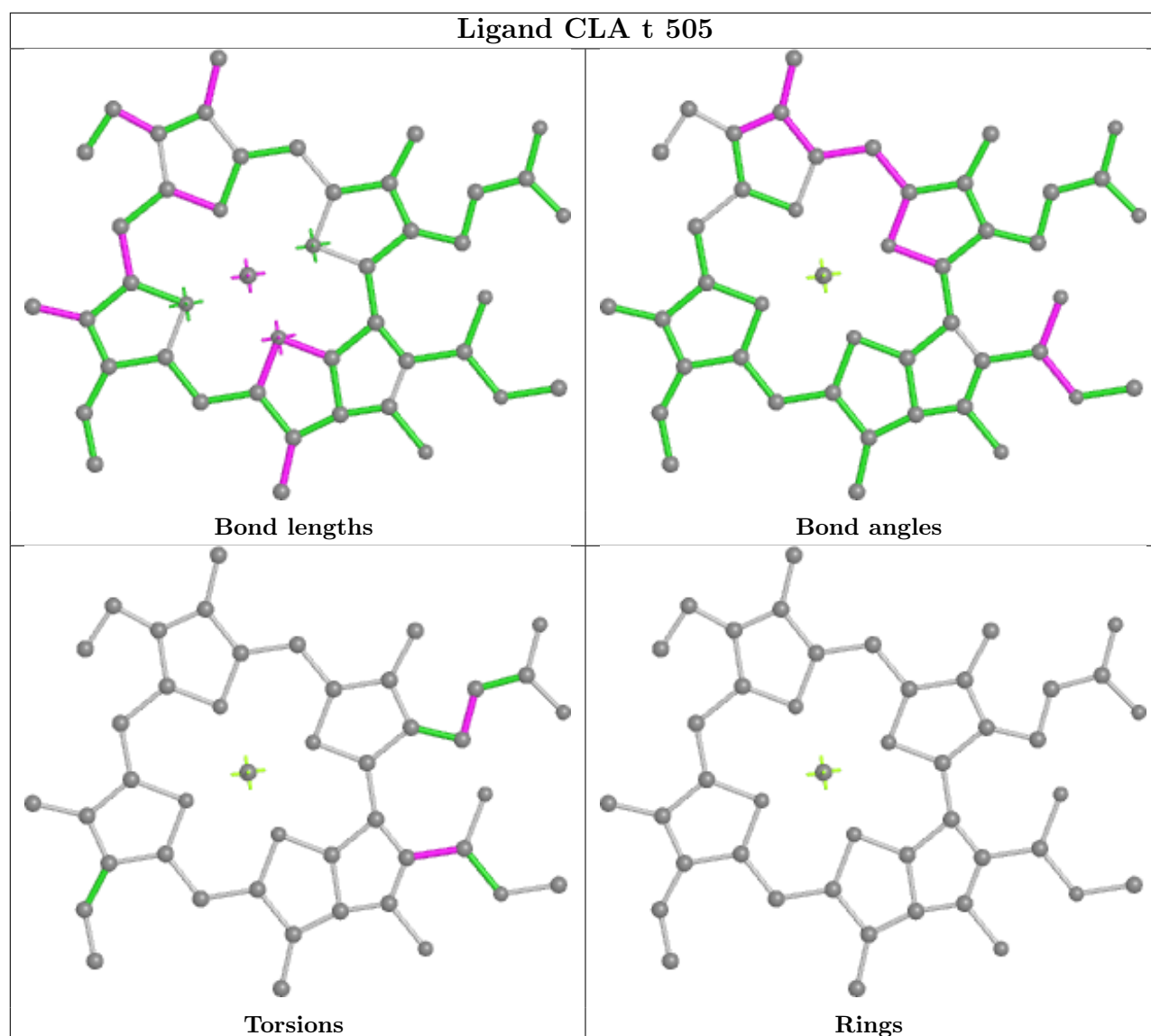


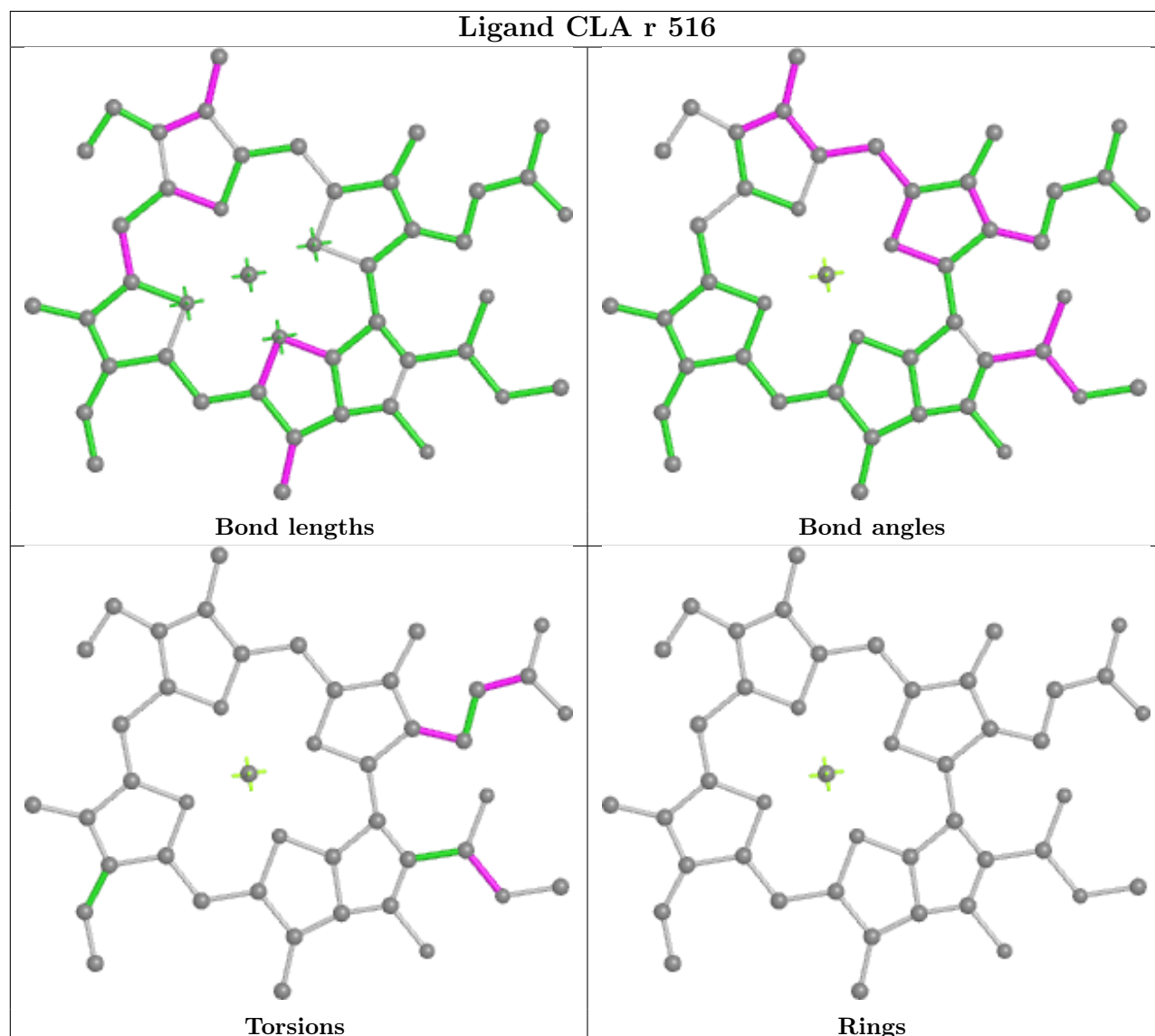
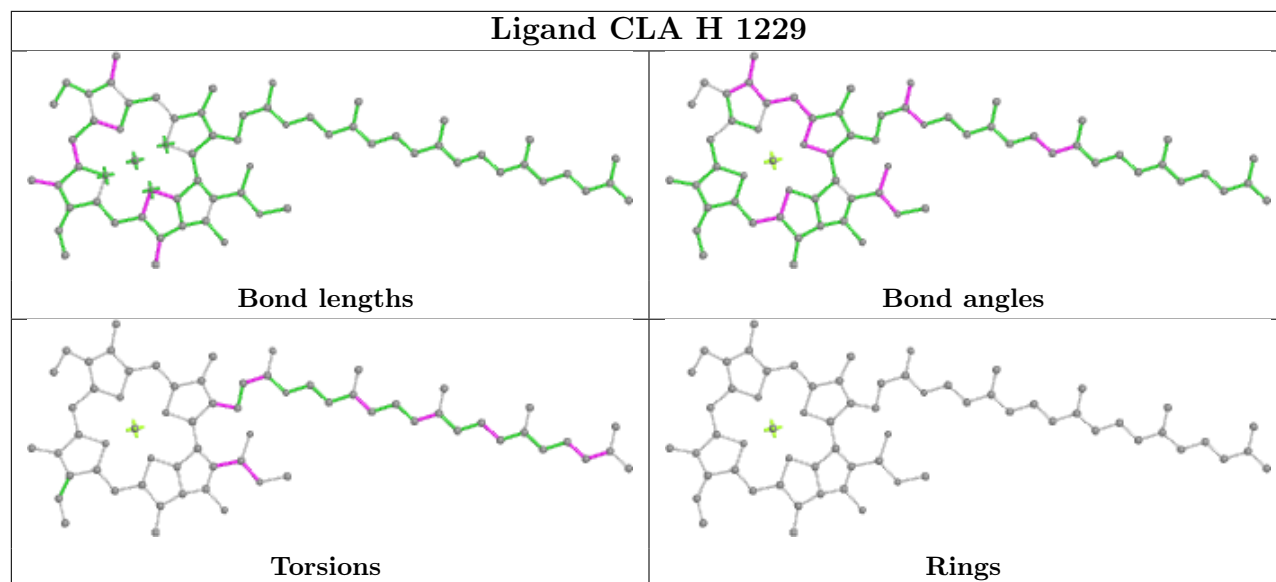


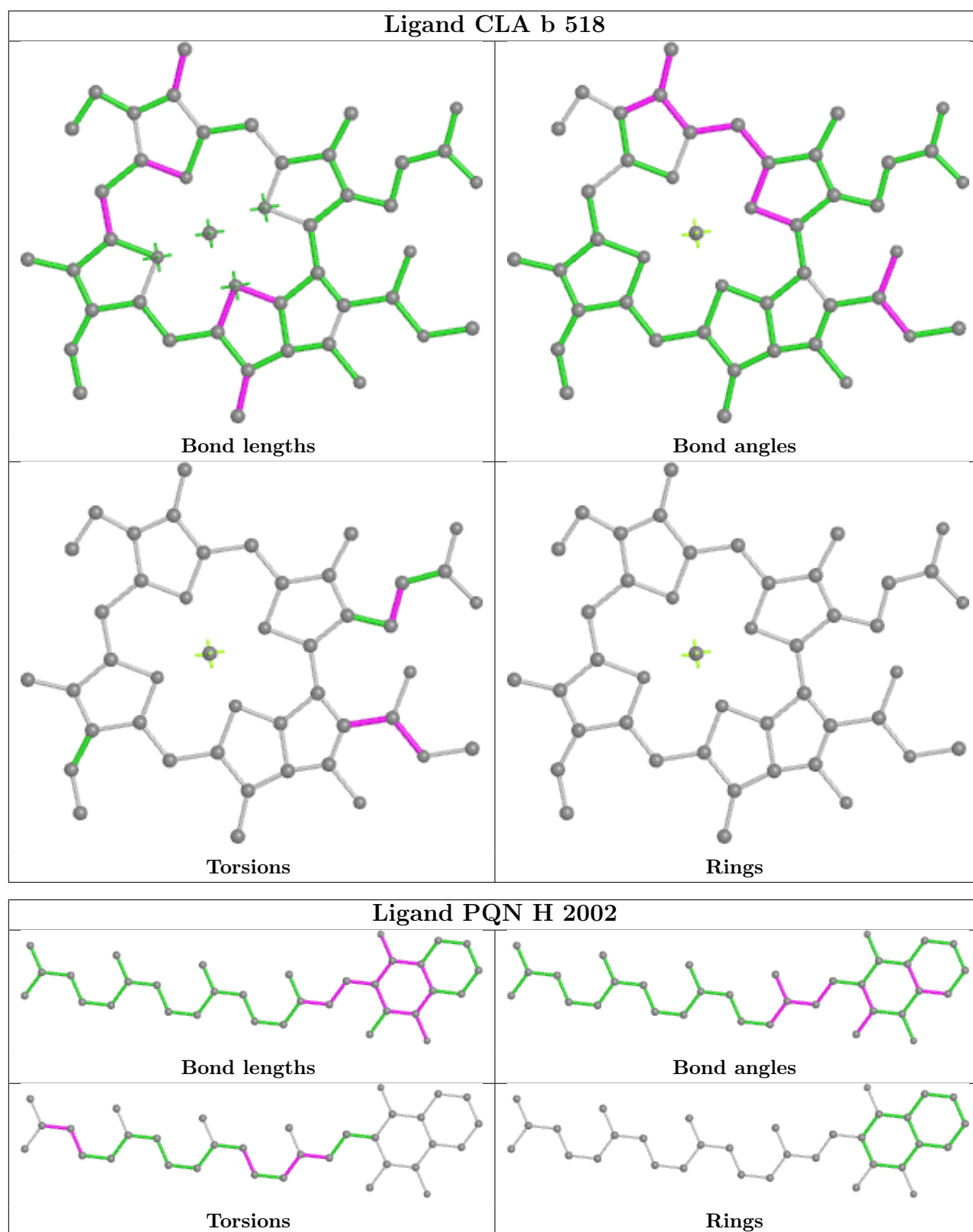


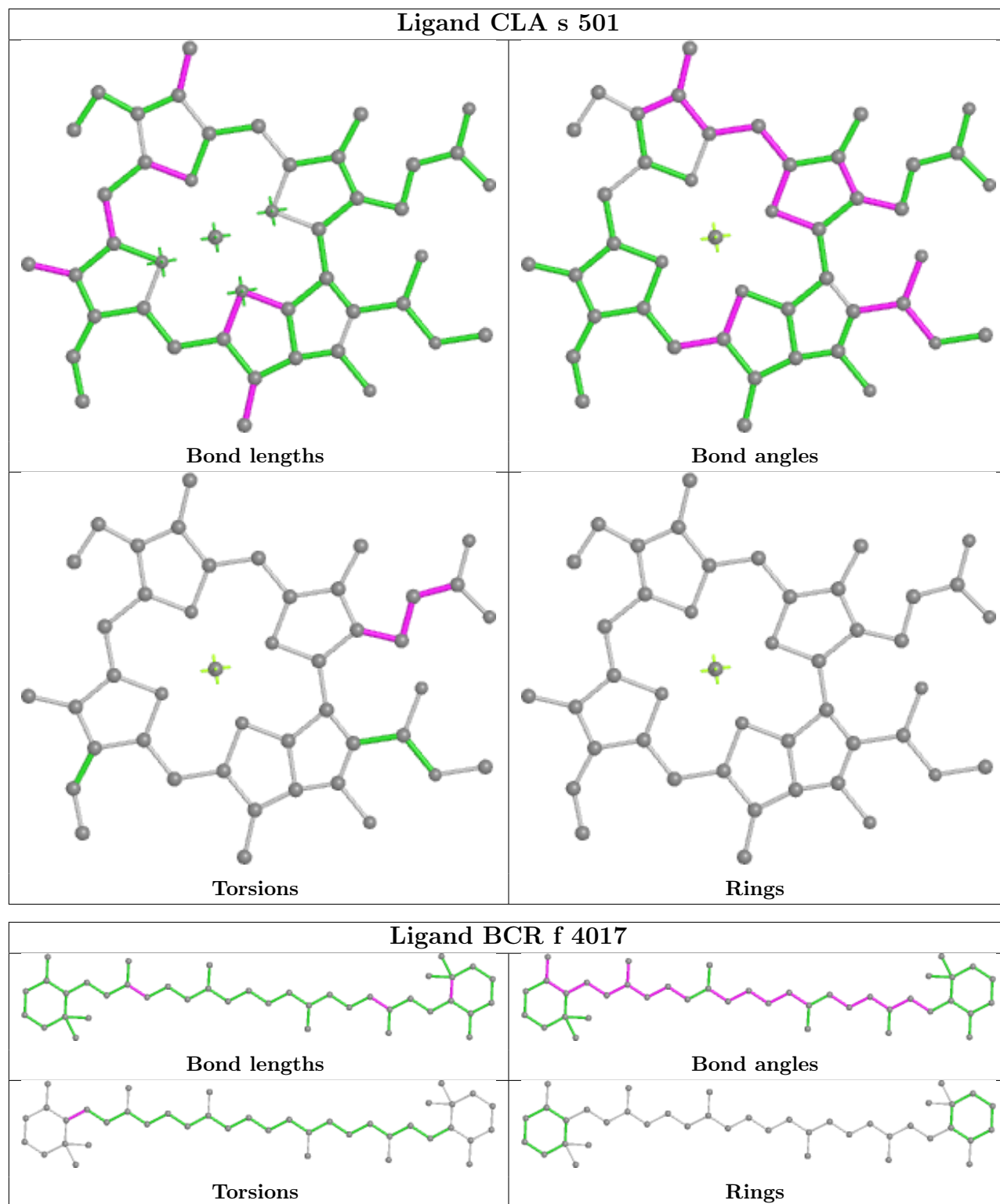


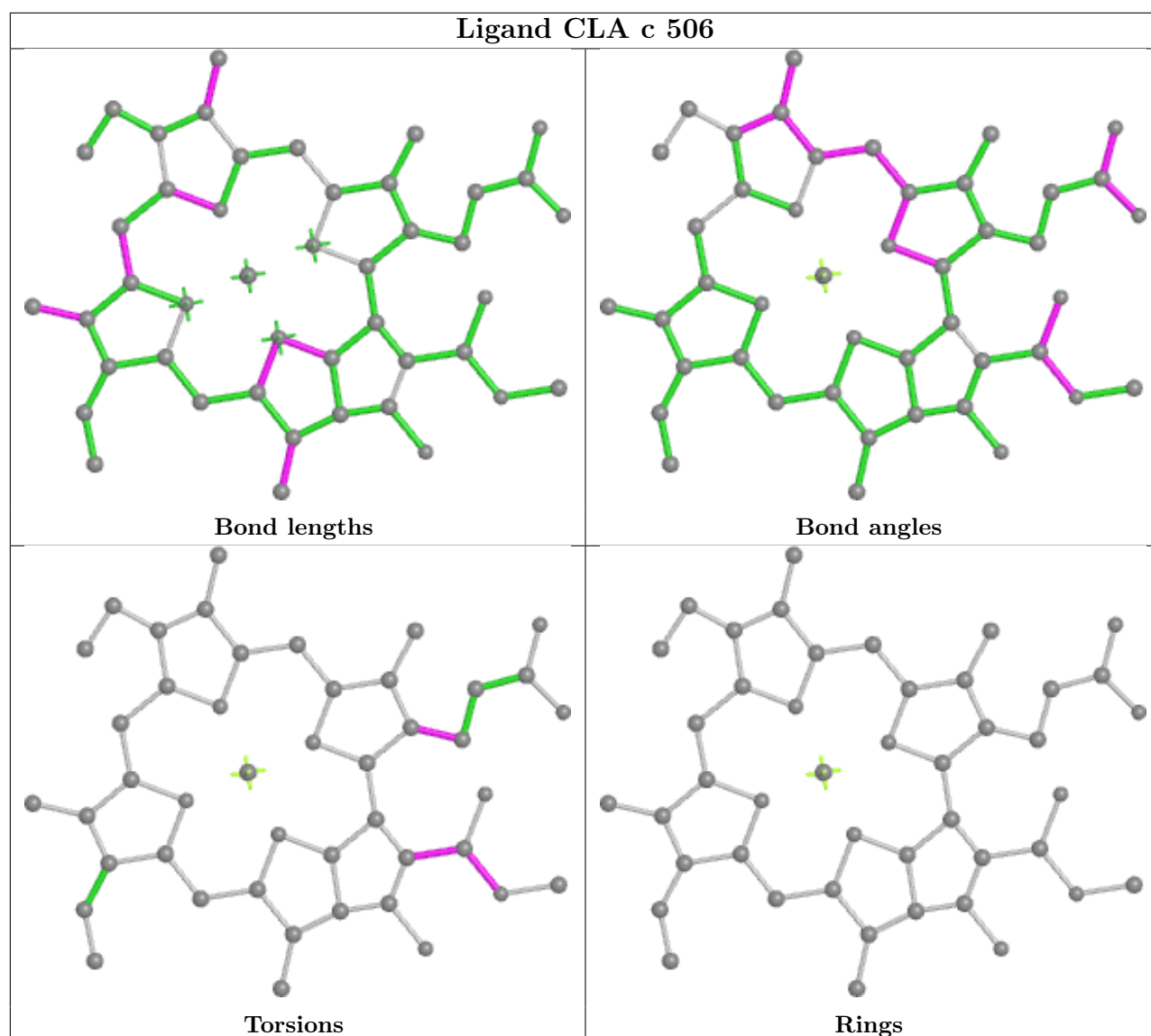


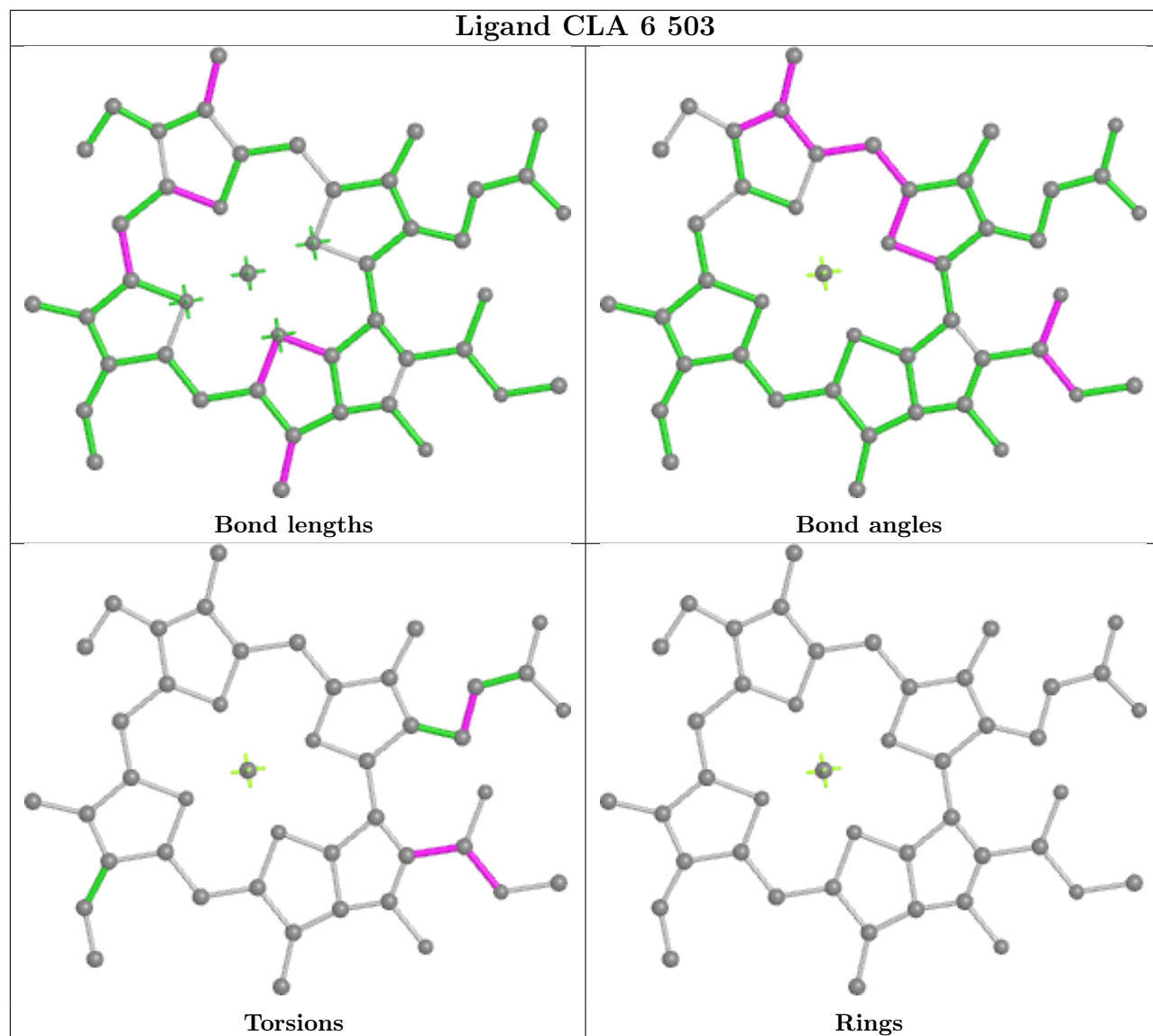


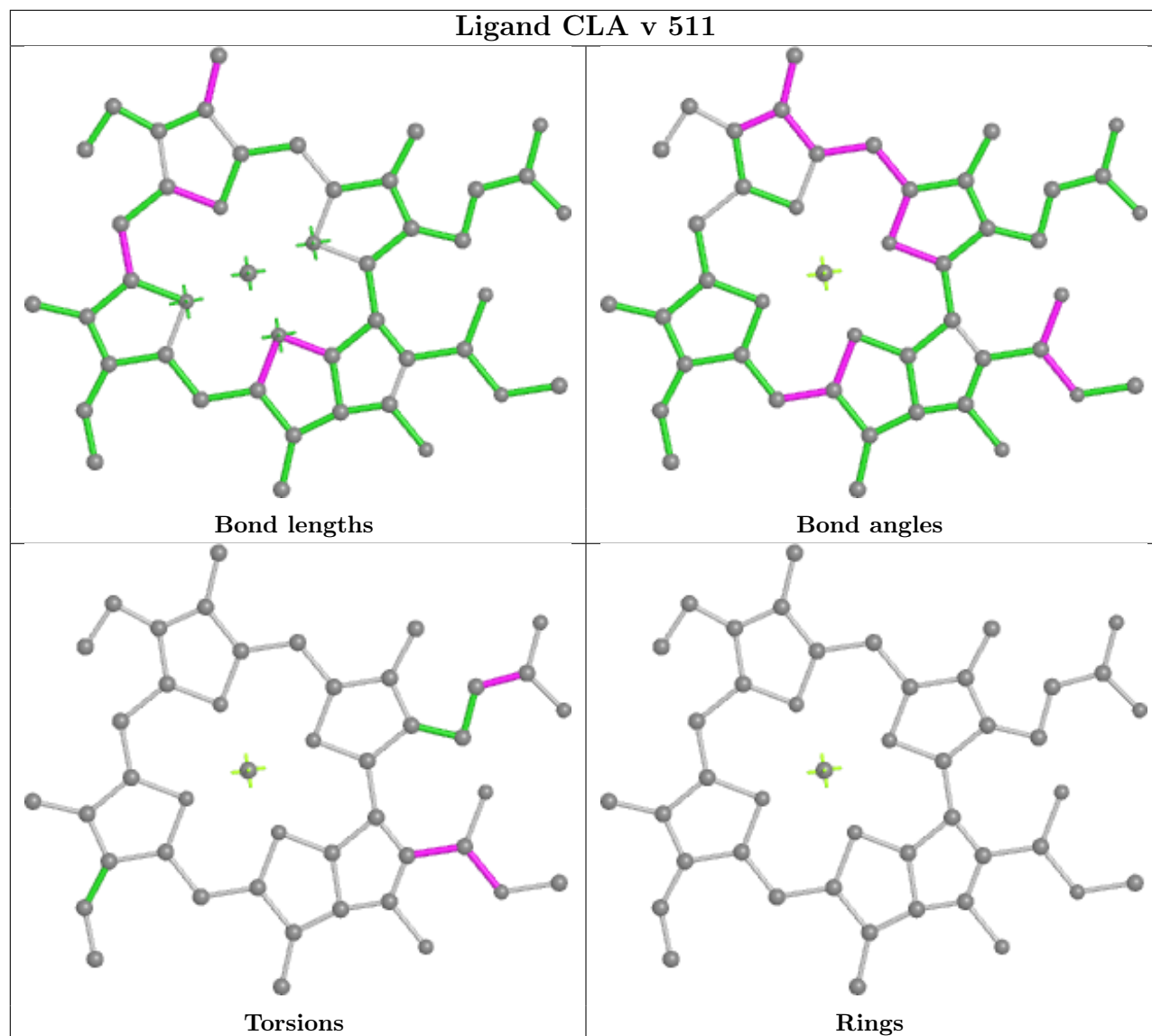


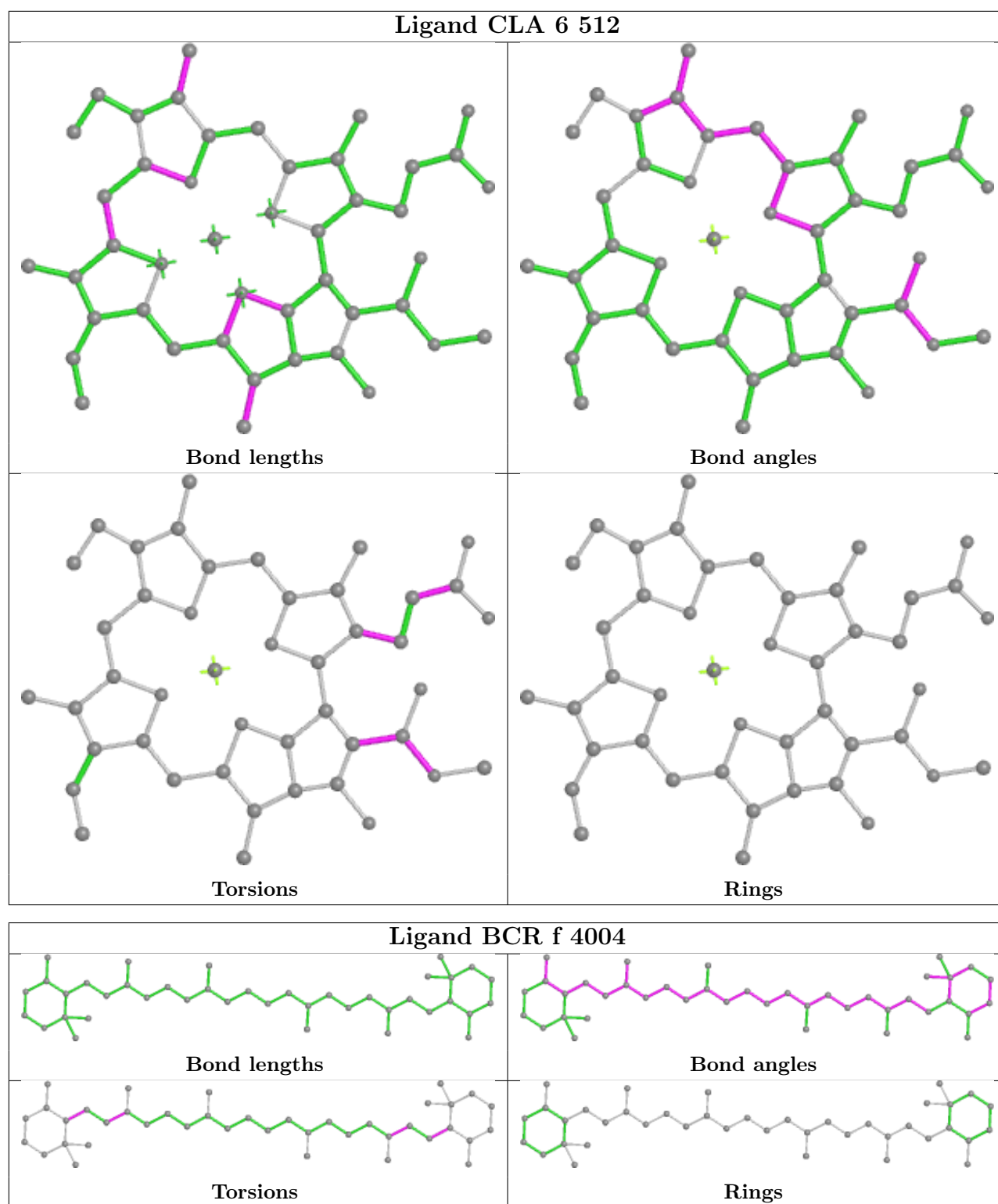


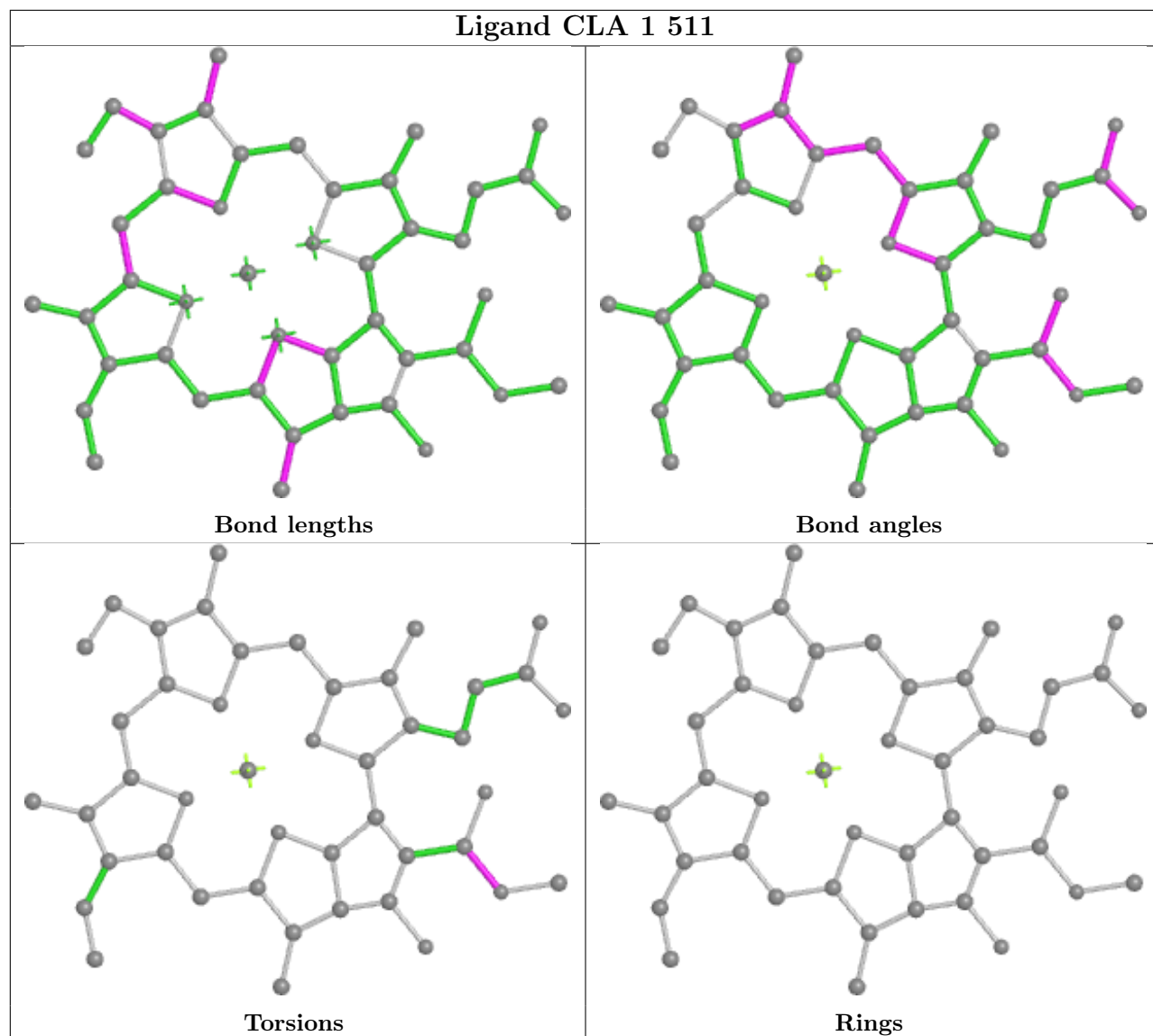


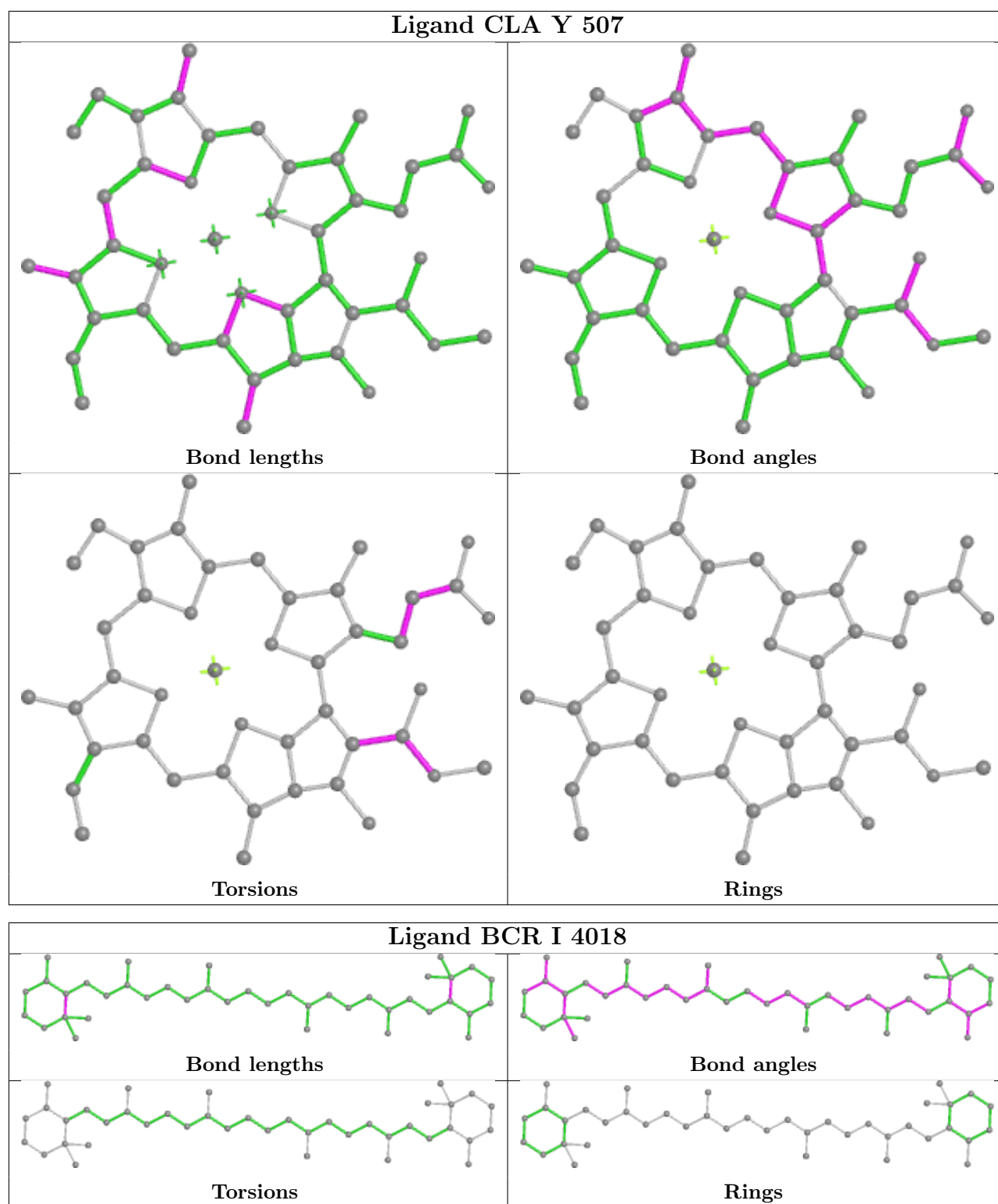


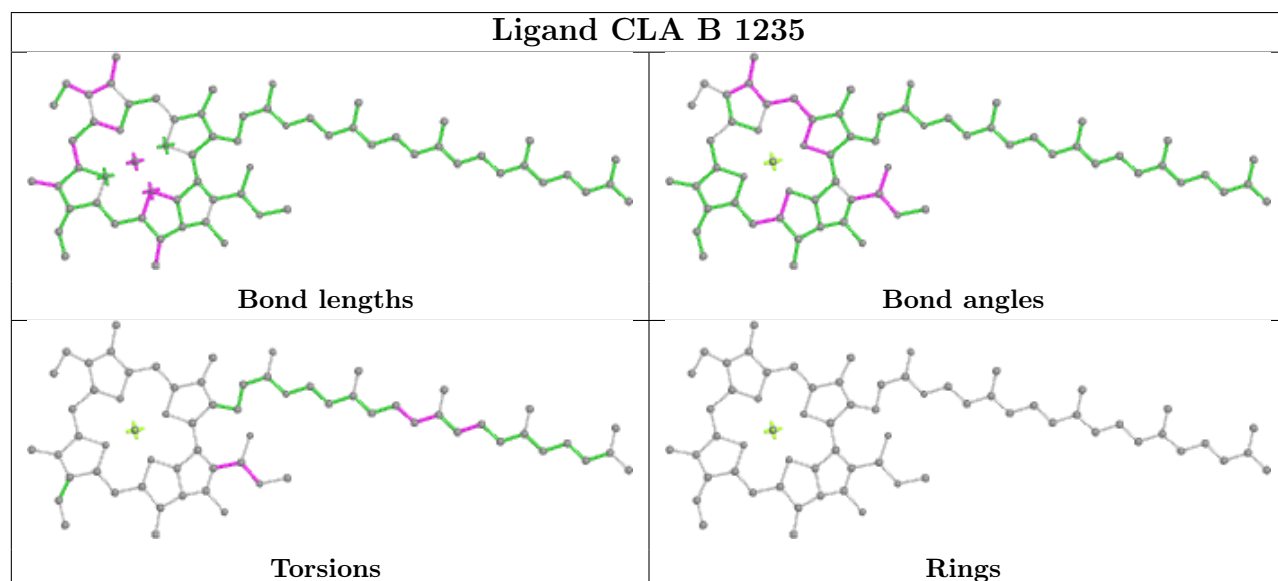
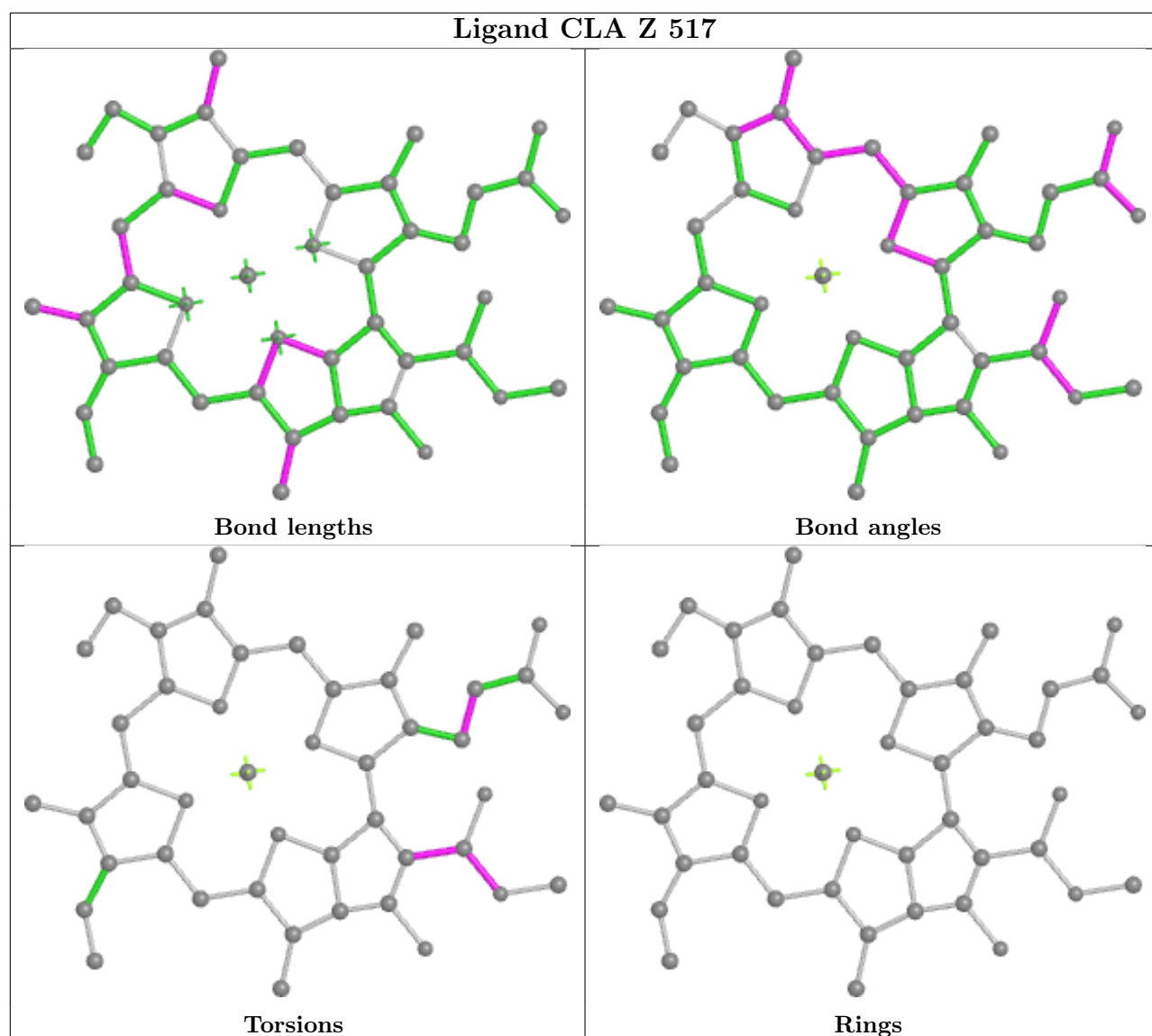


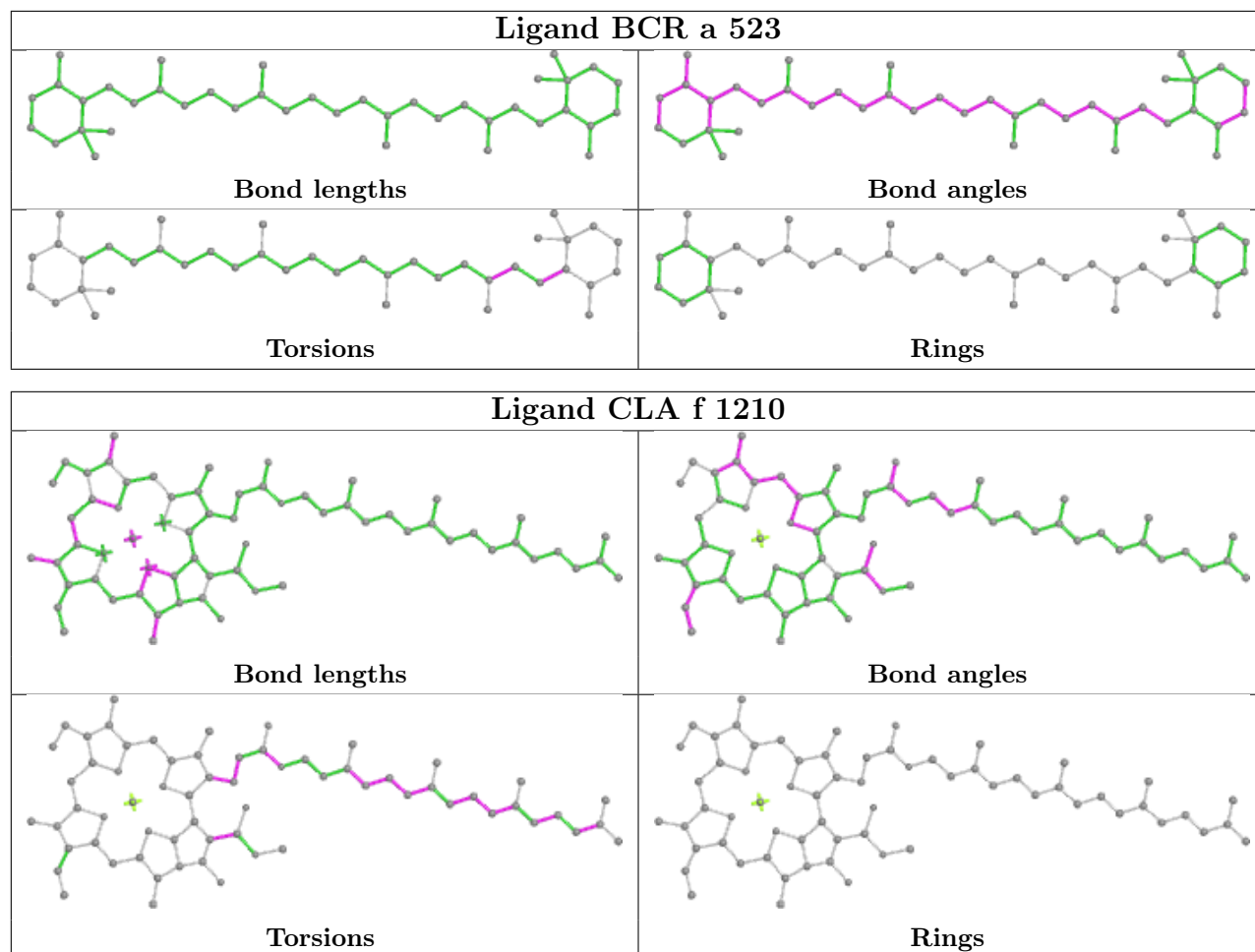


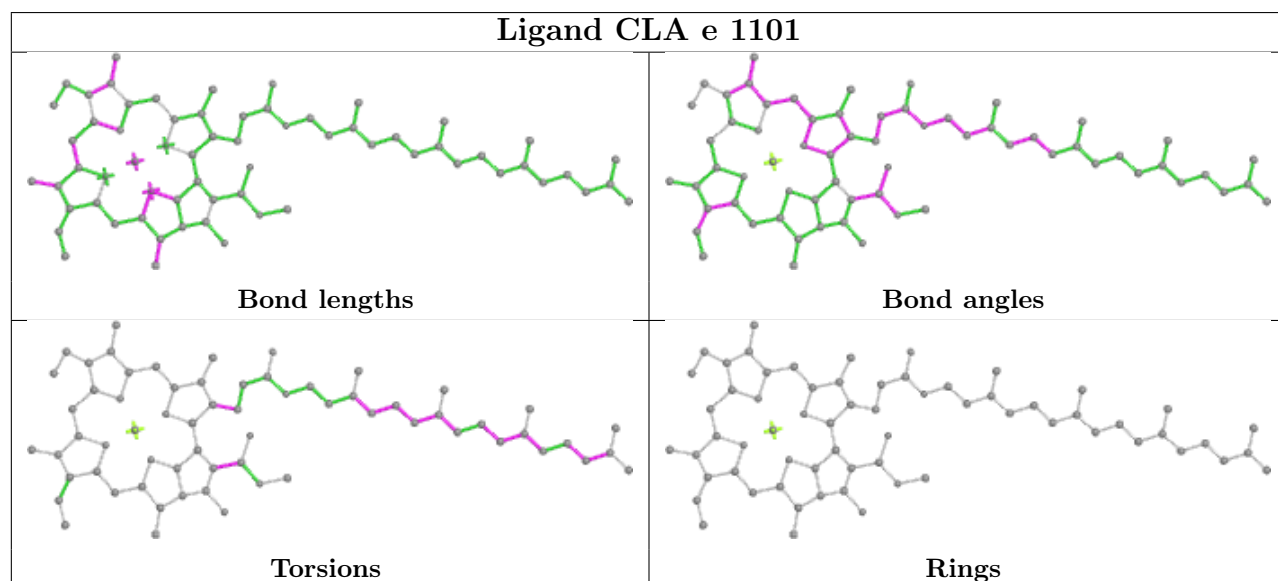
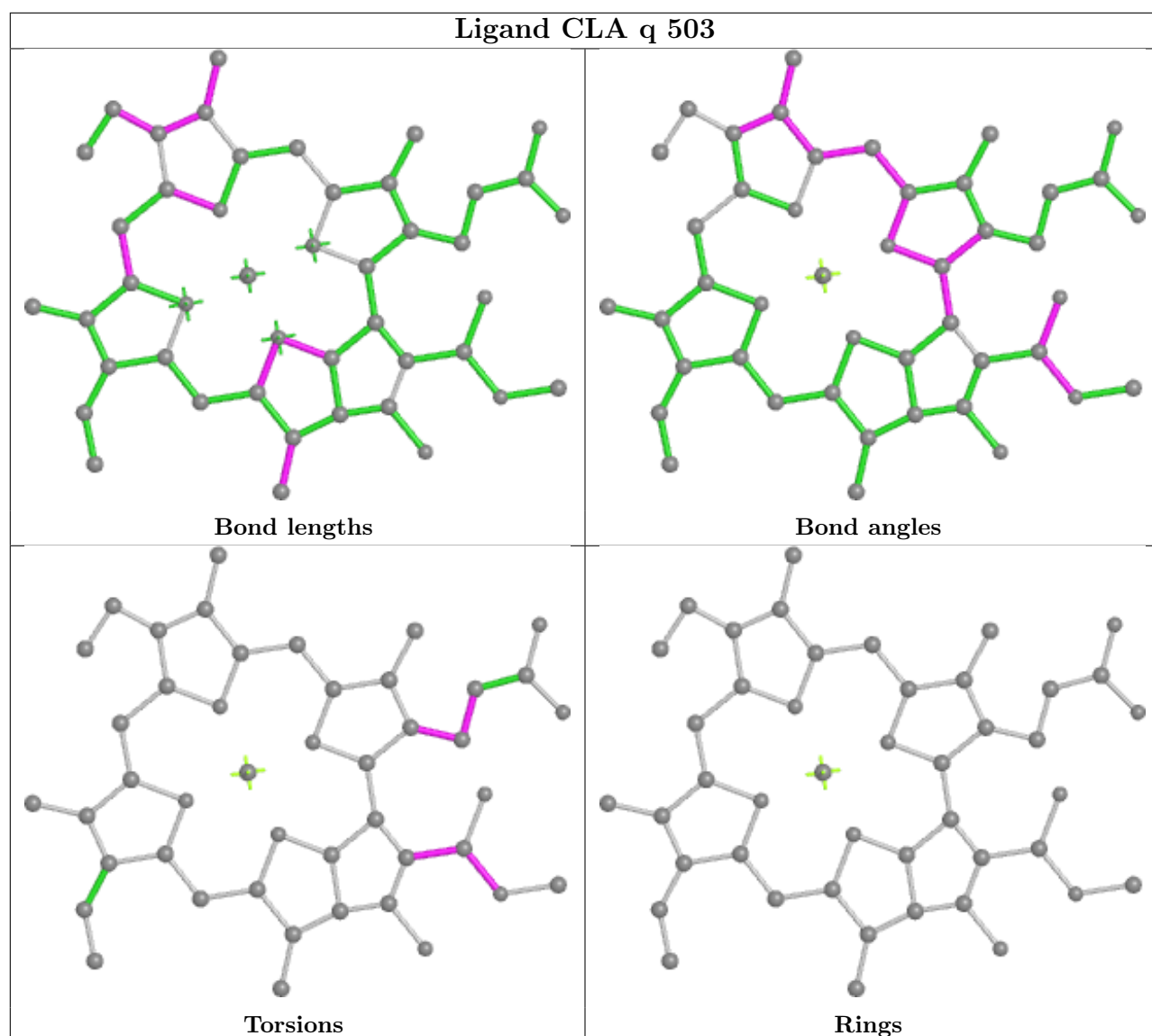


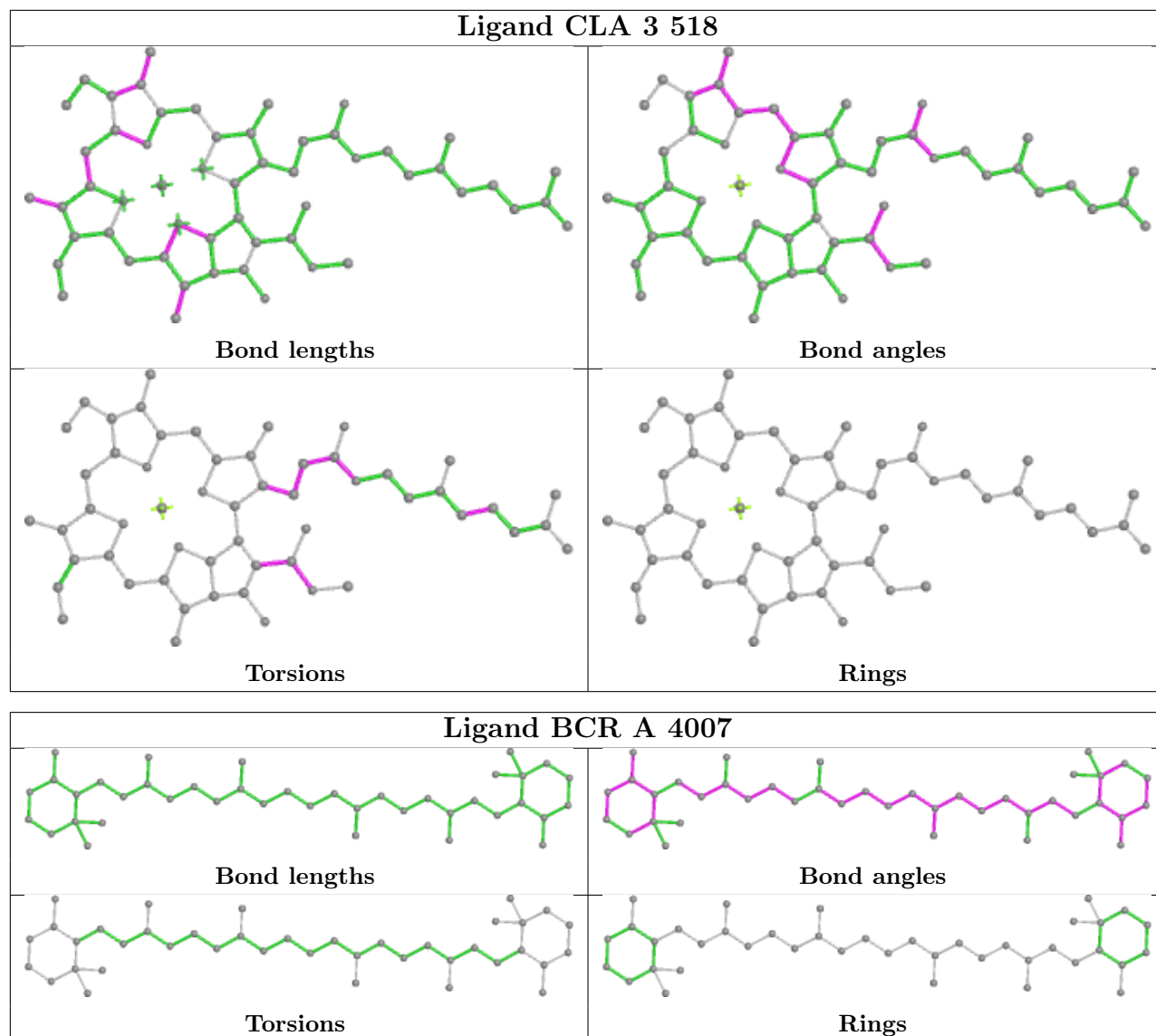




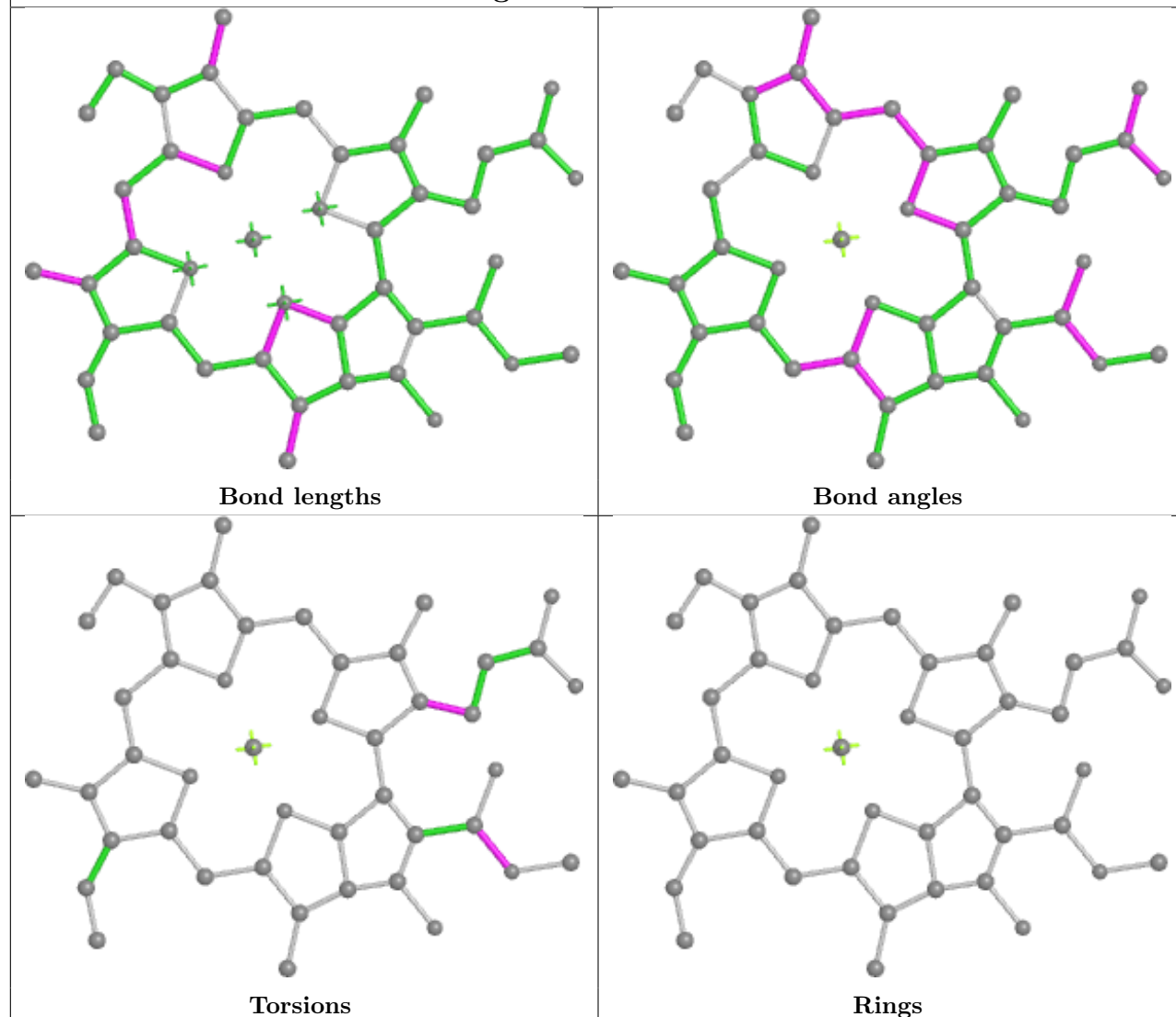




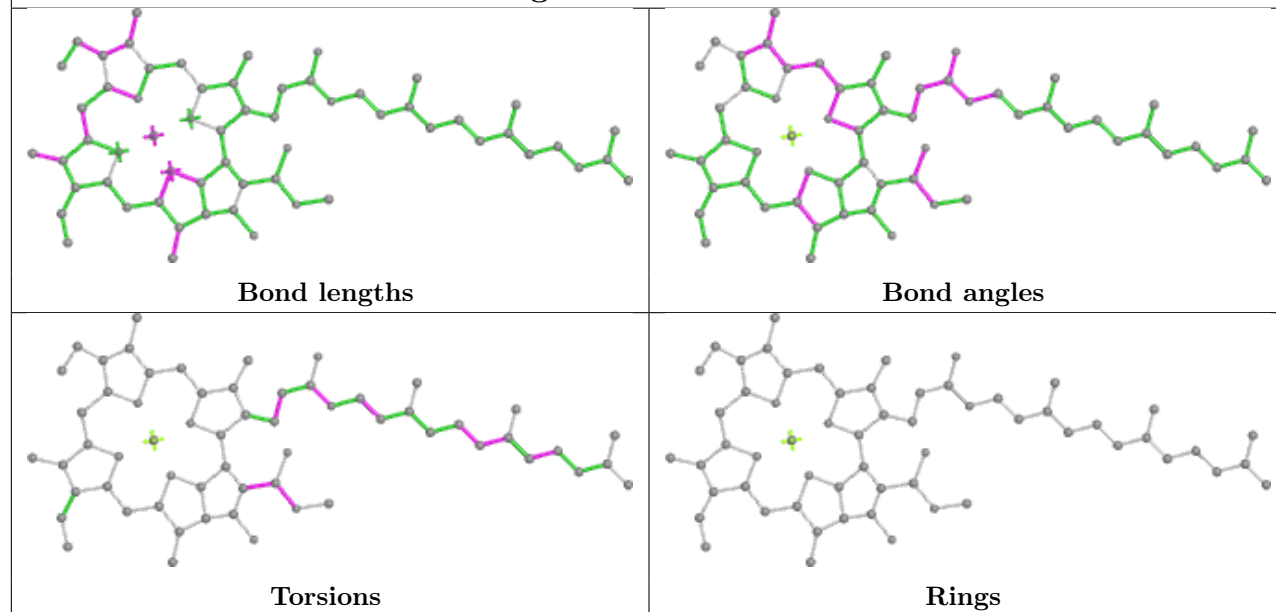


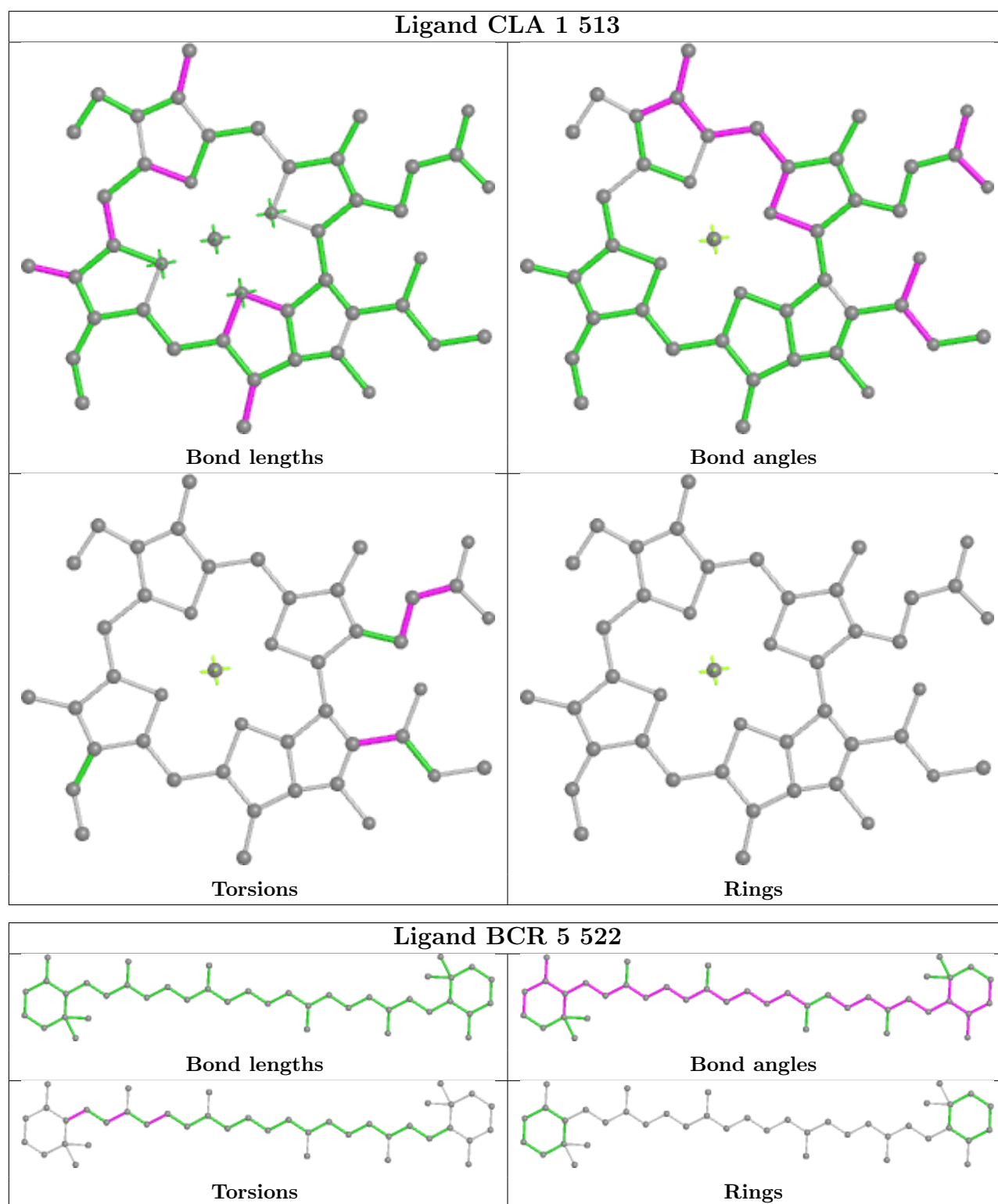


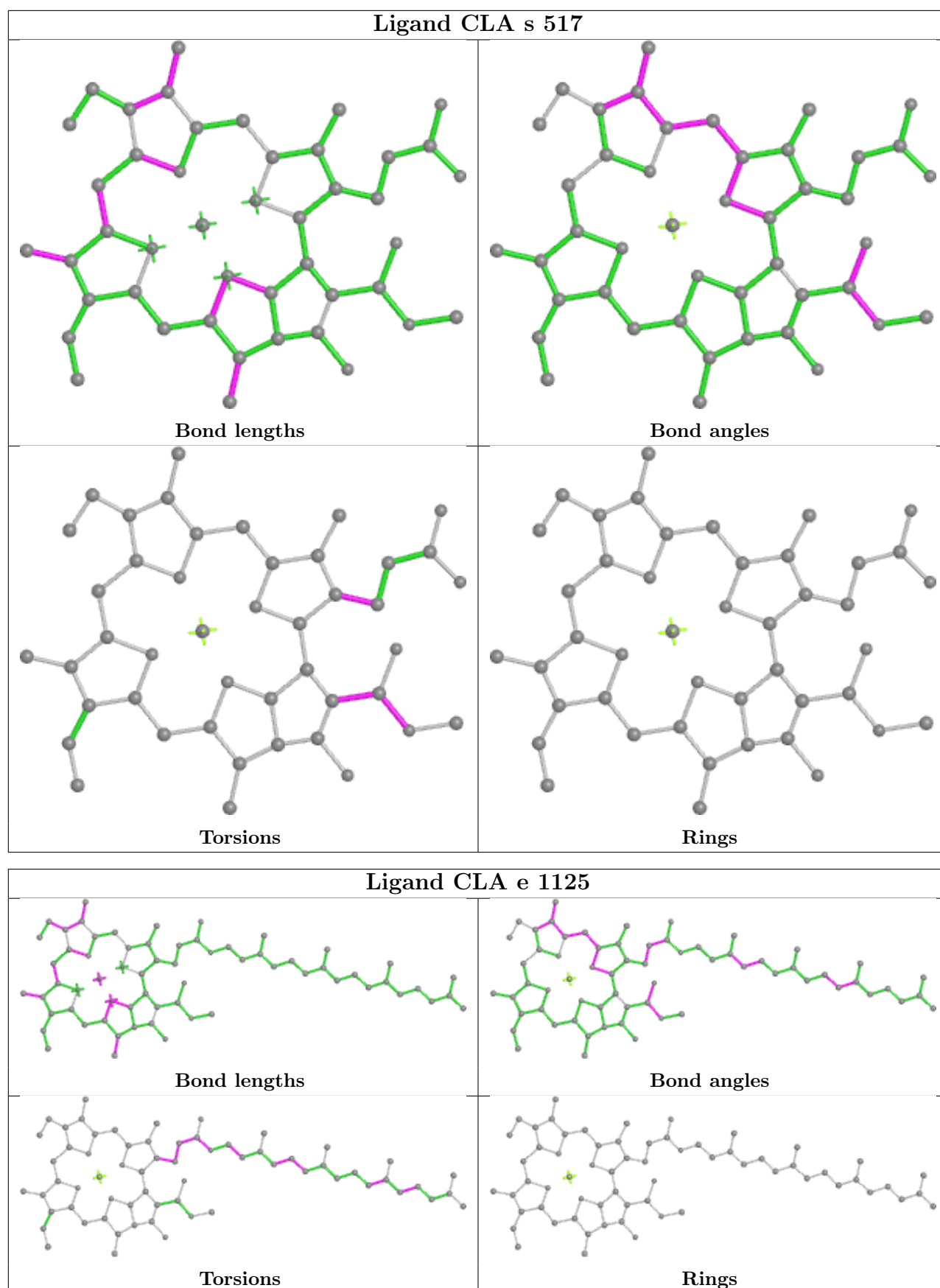
Ligand CLA b 511

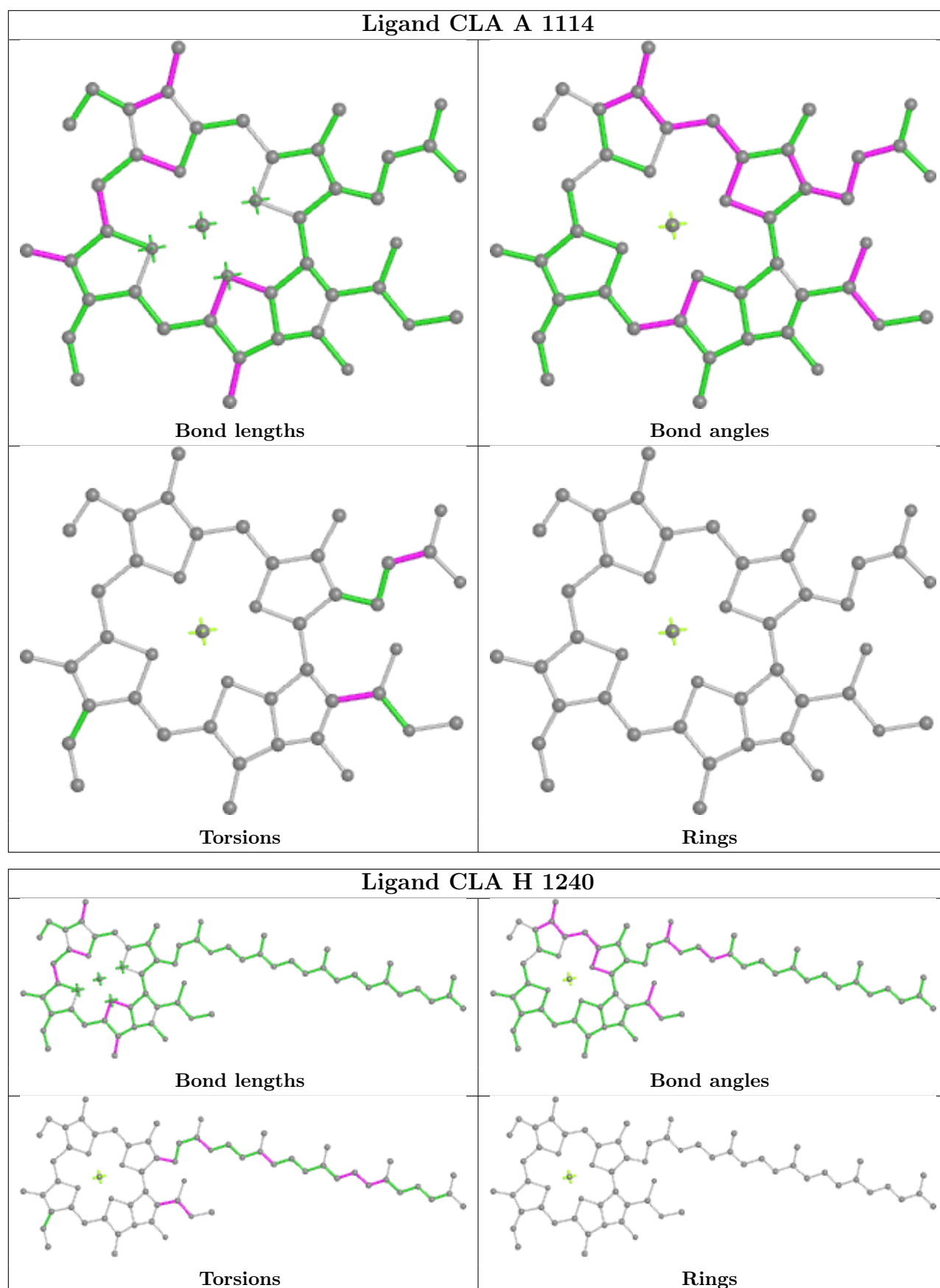


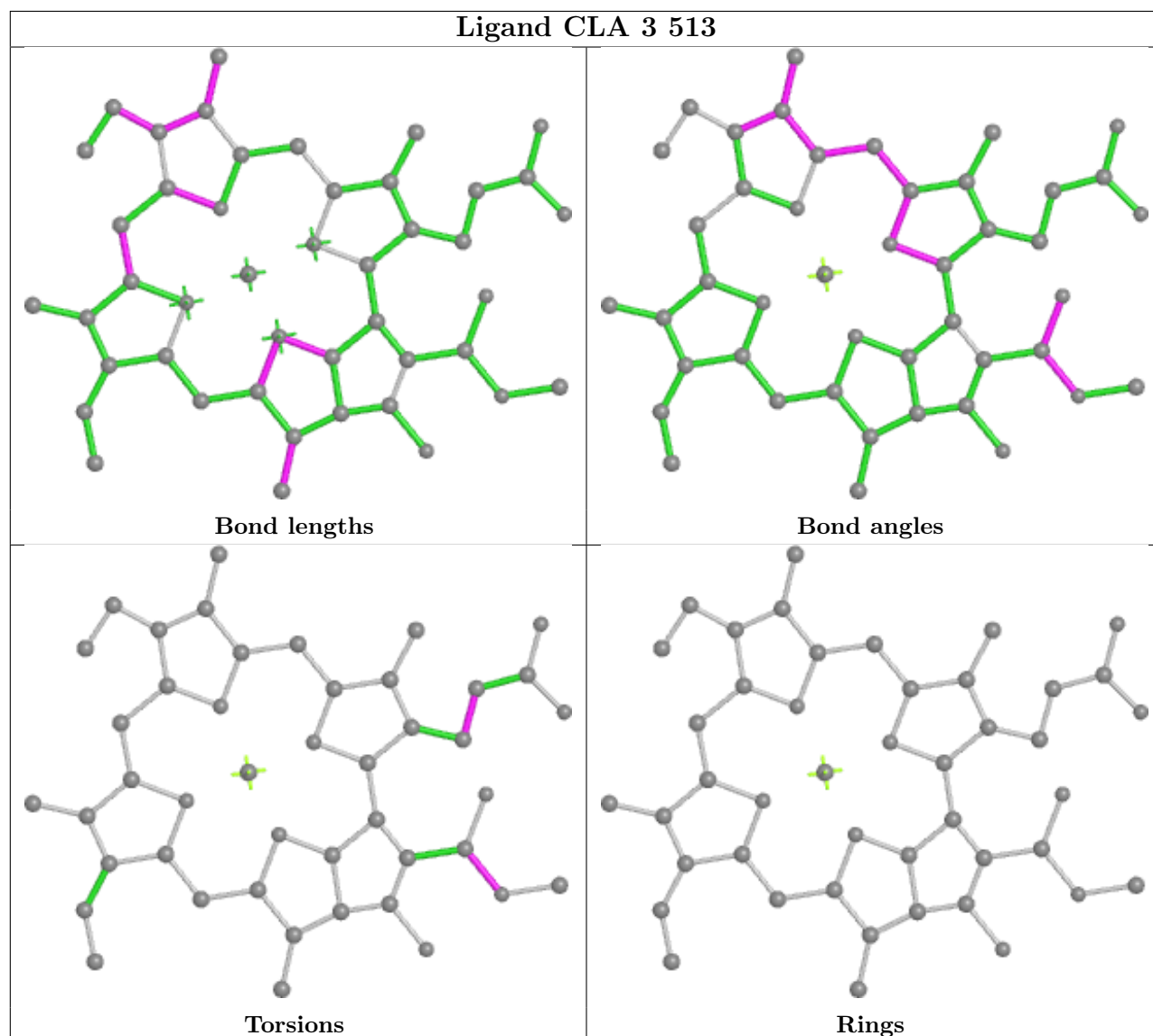
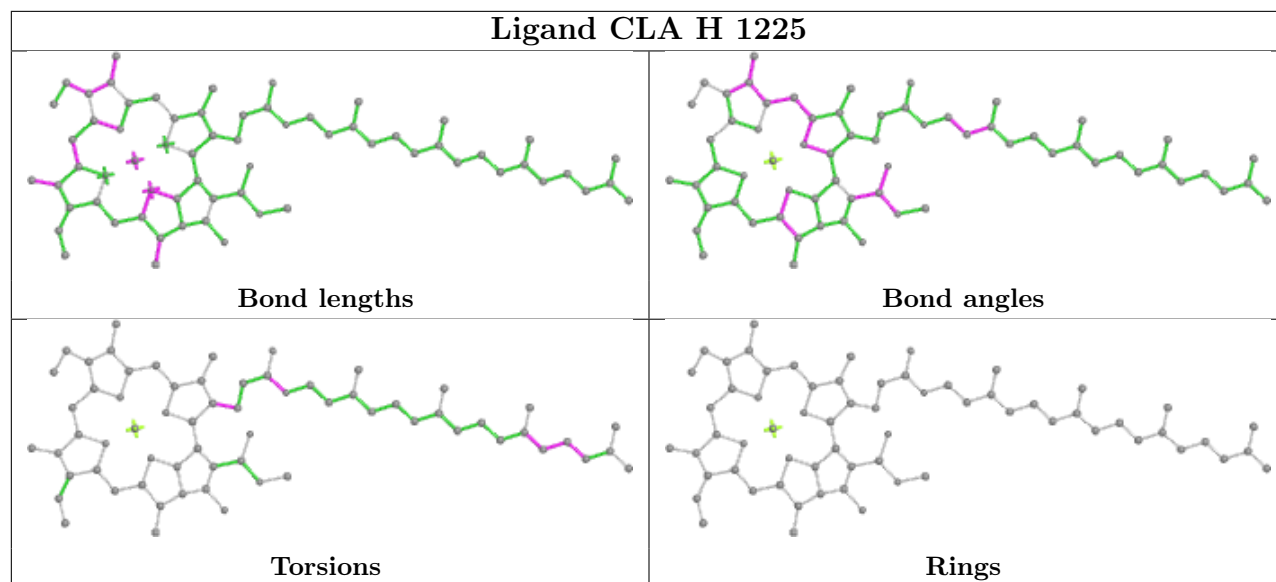
Ligand CLA f 1216

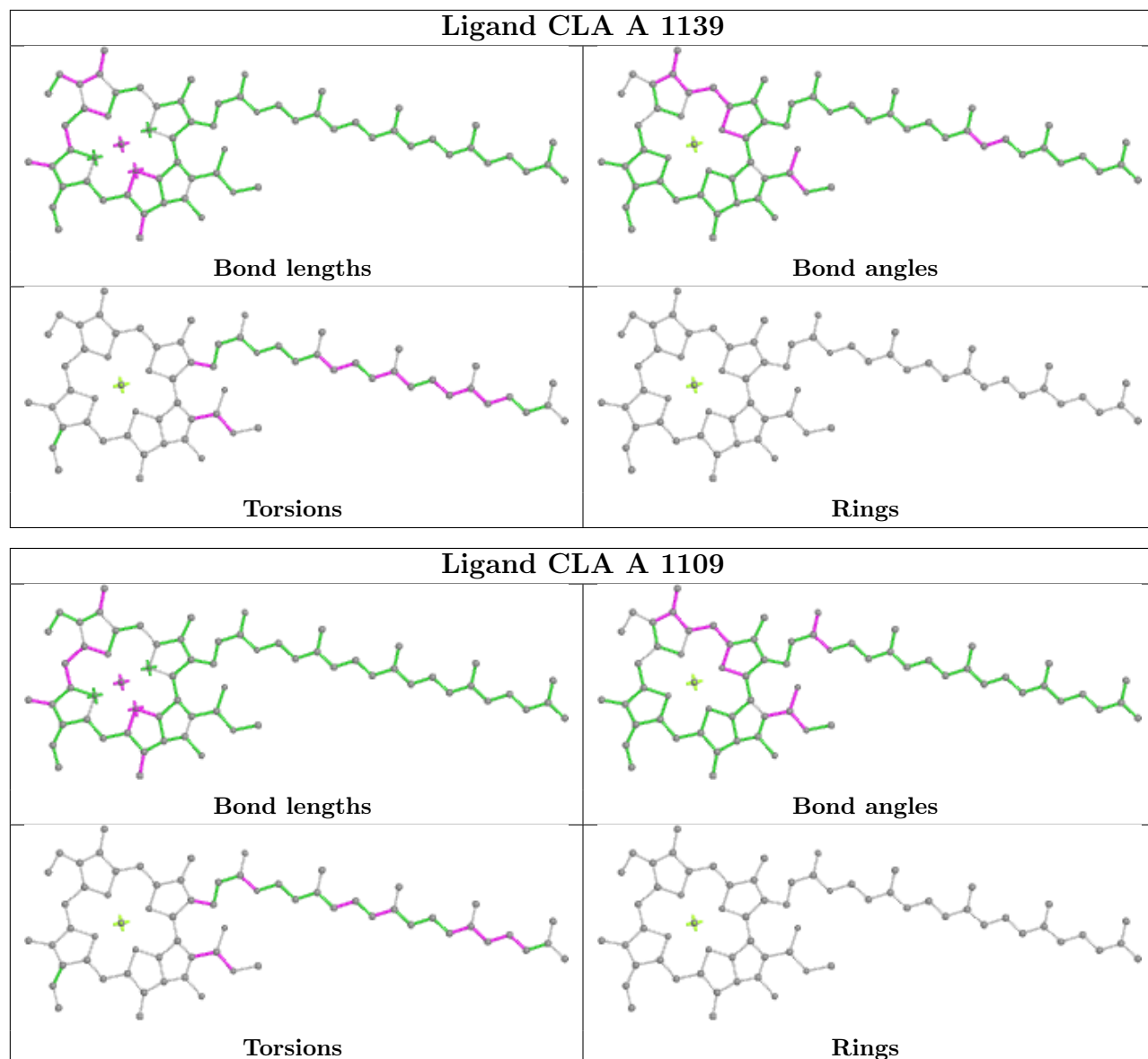


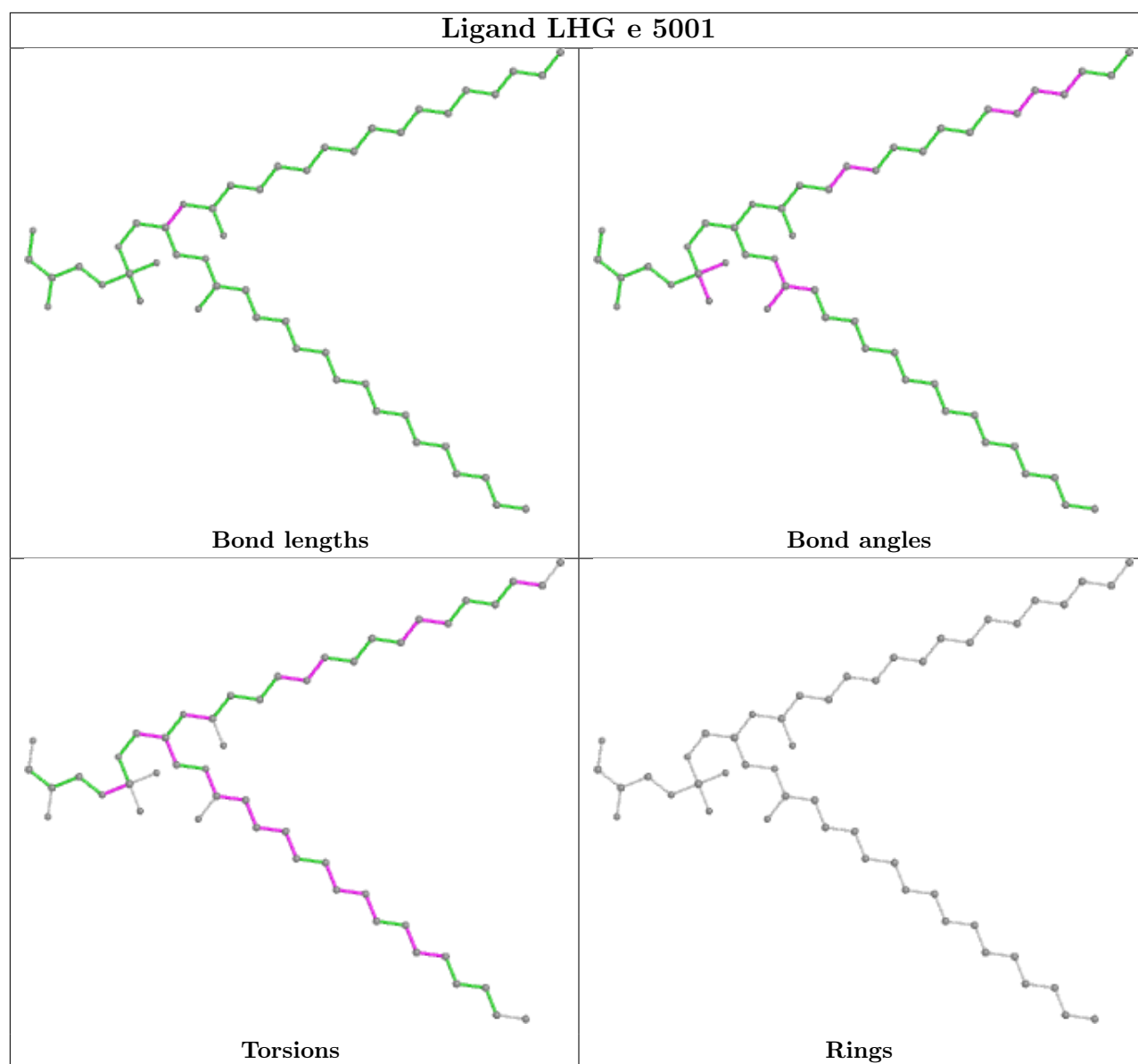


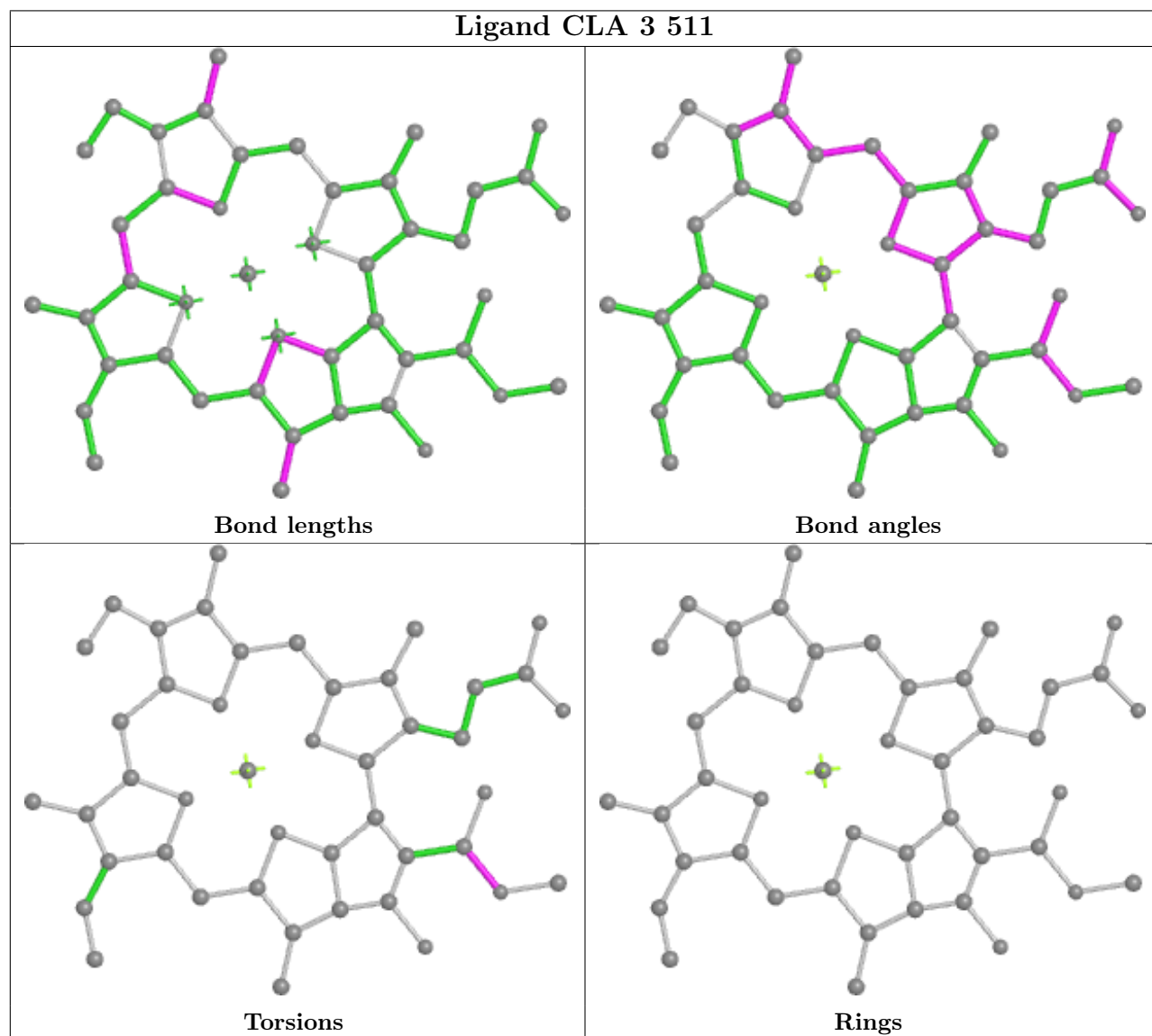
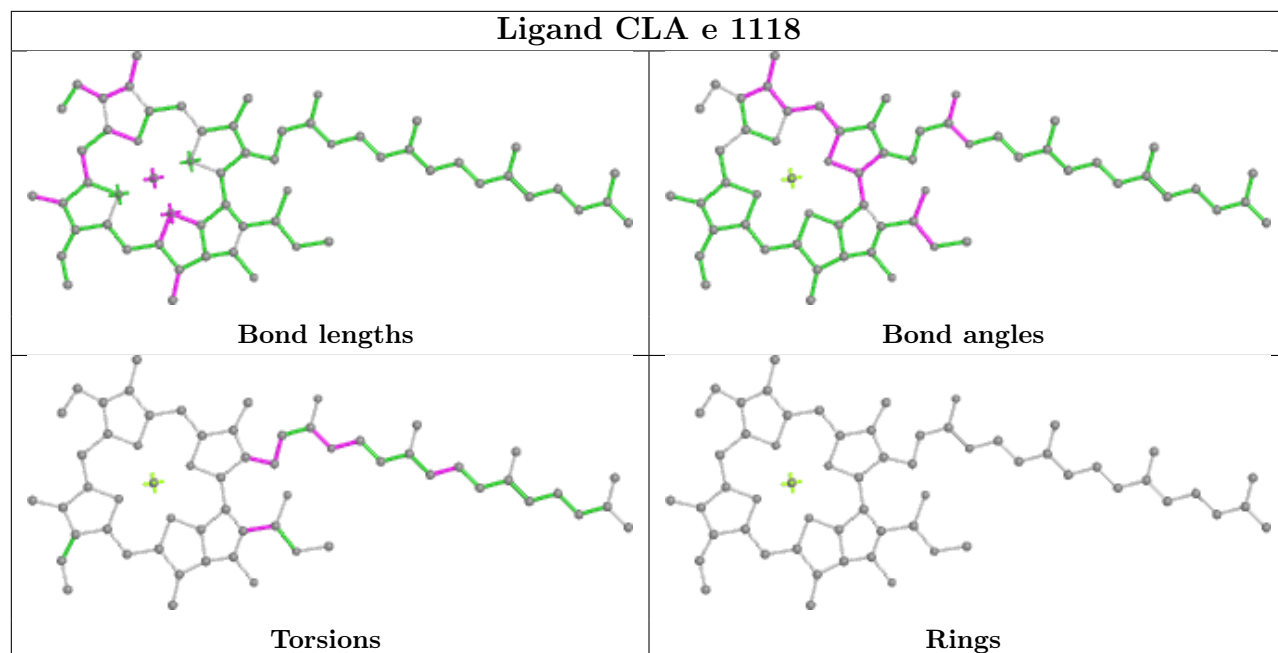


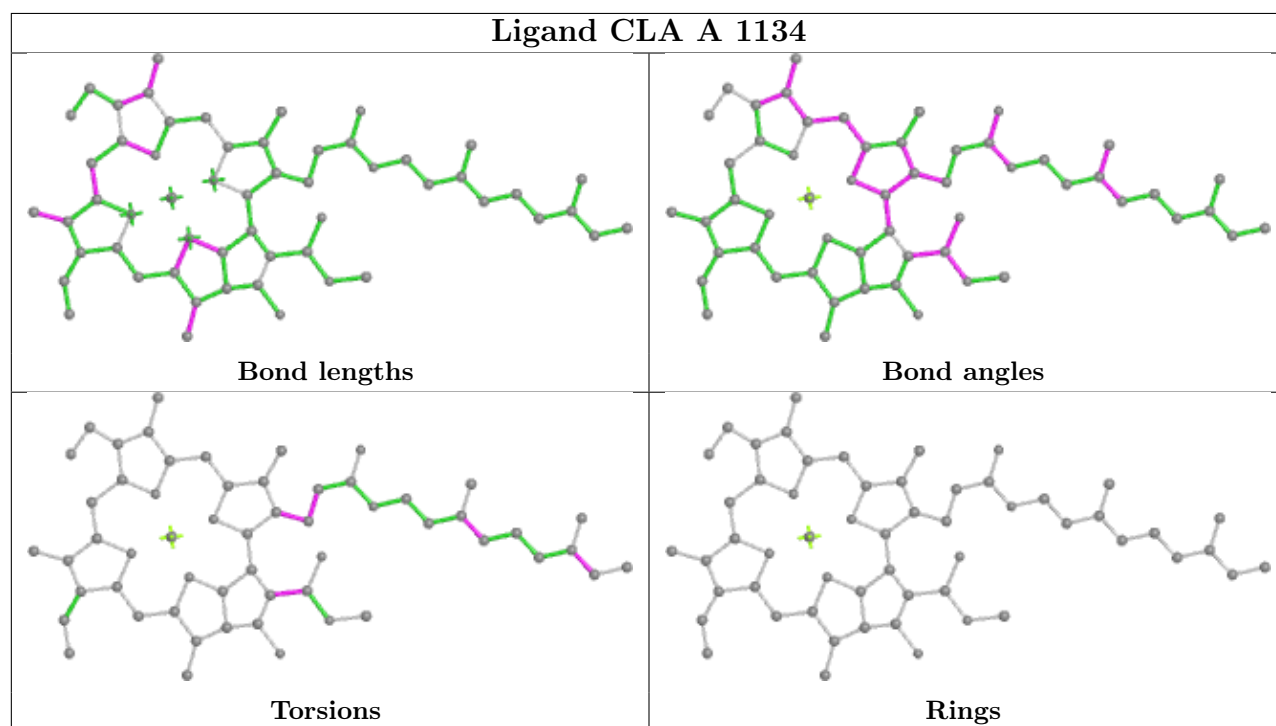
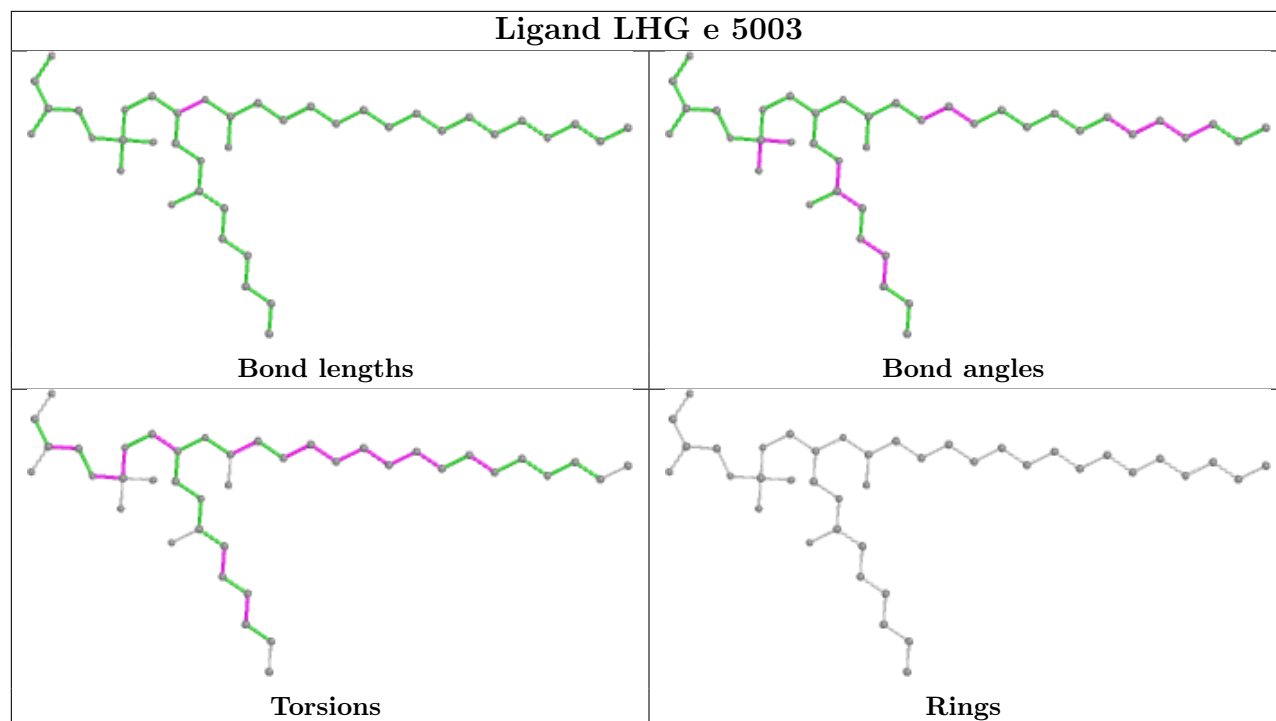


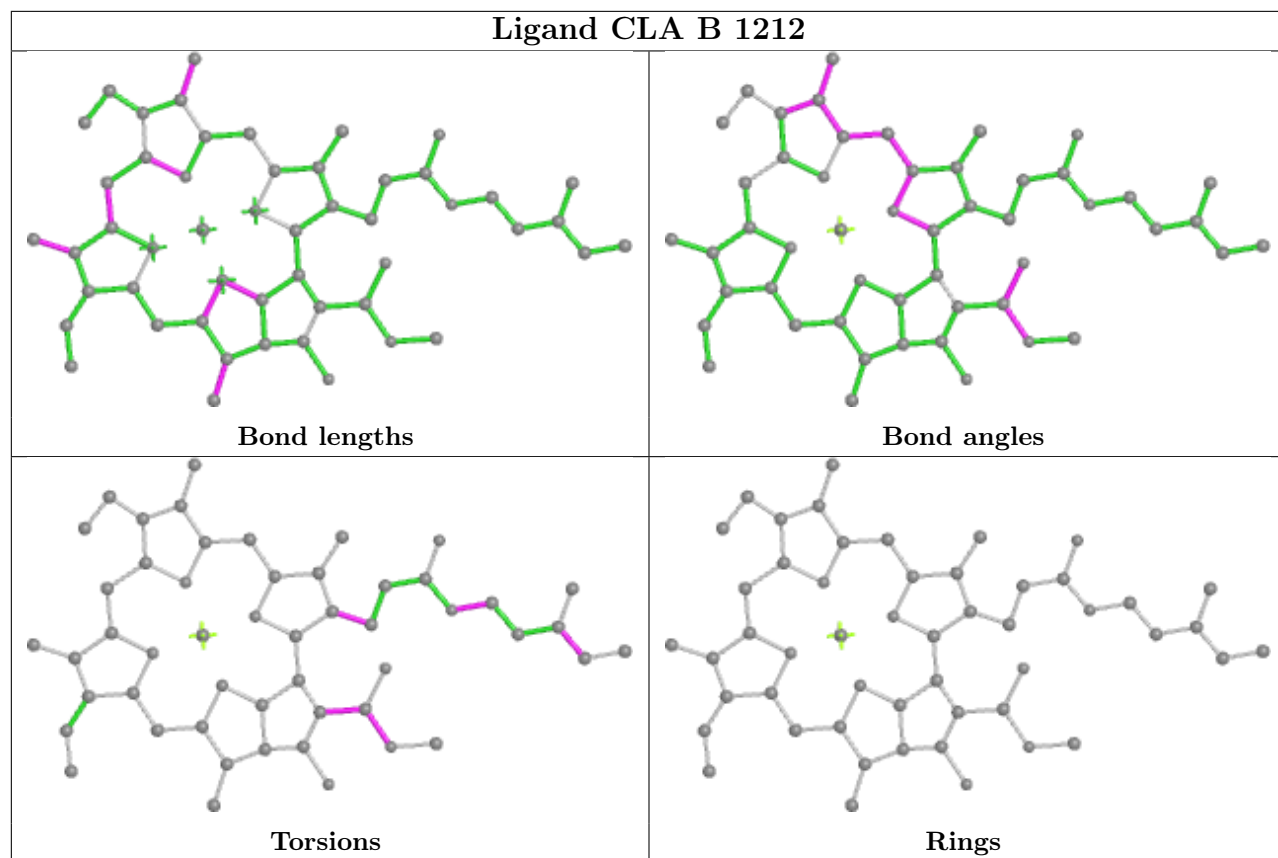


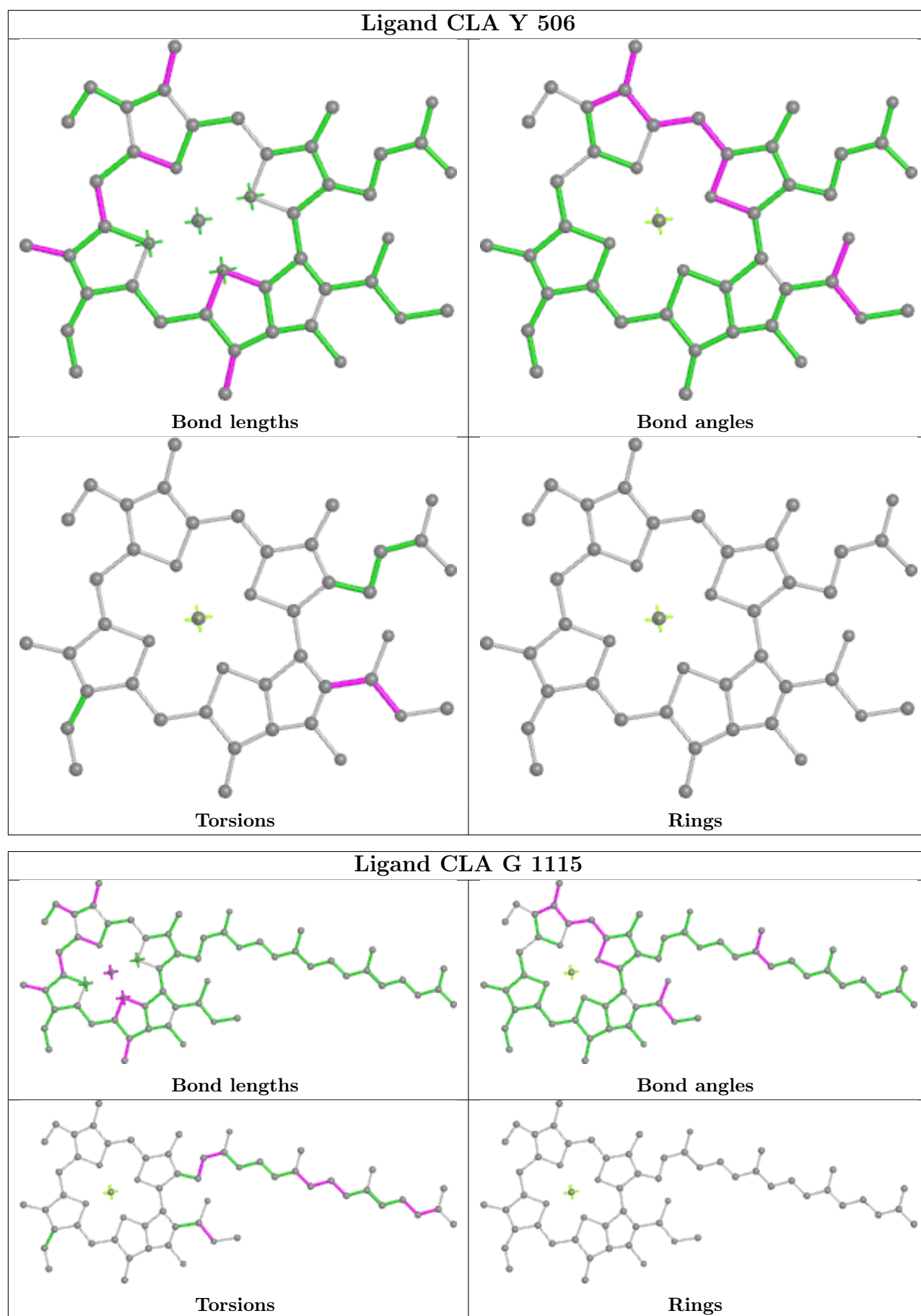


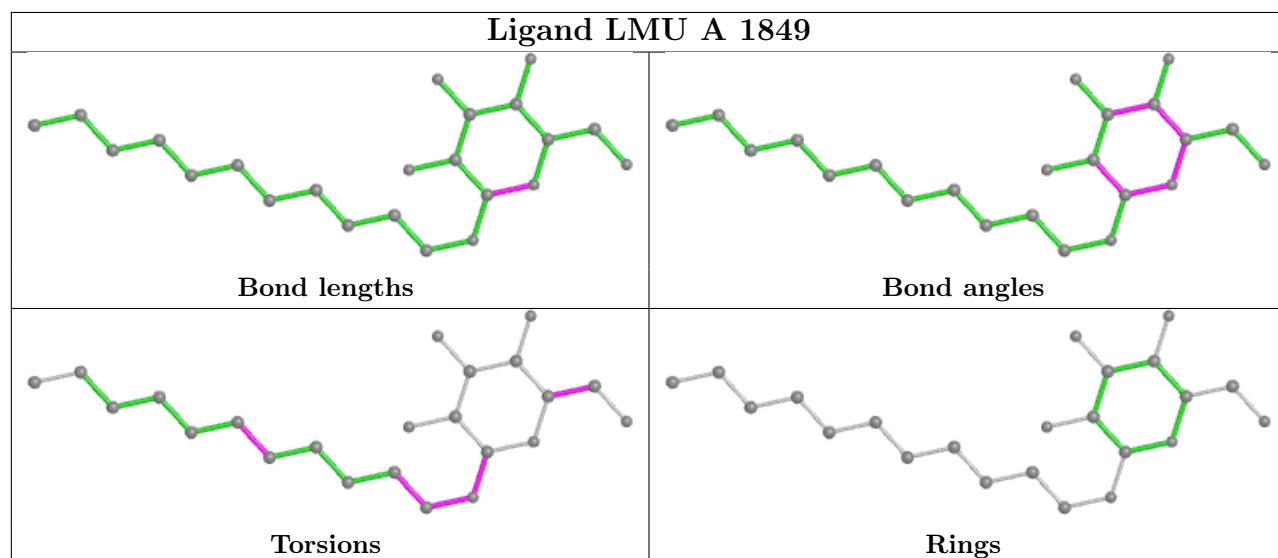
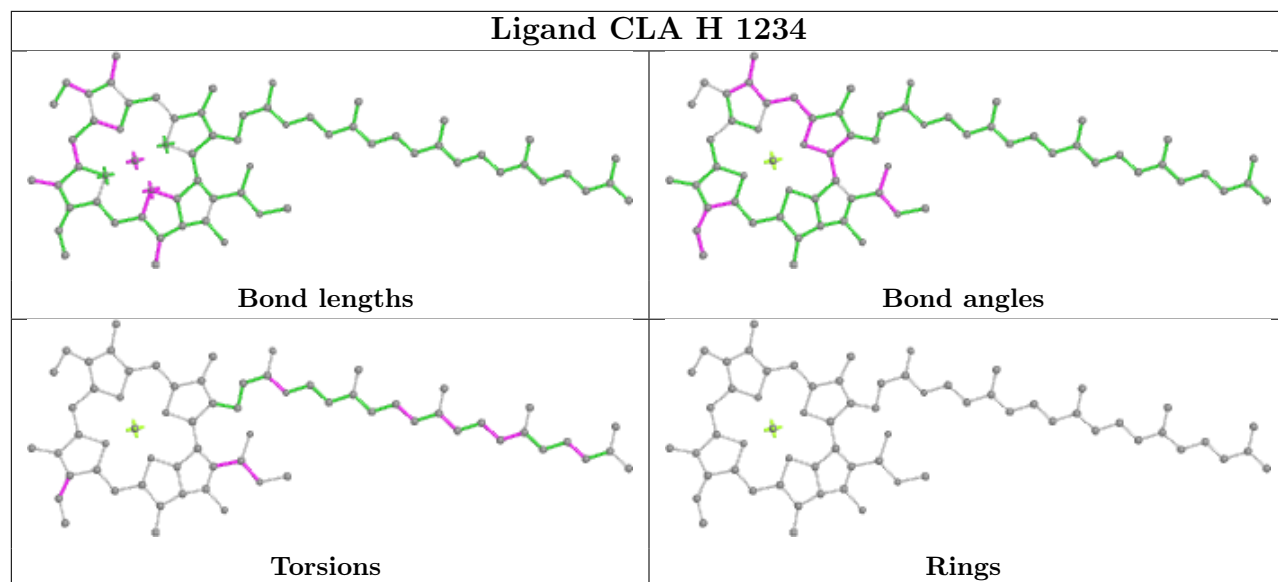


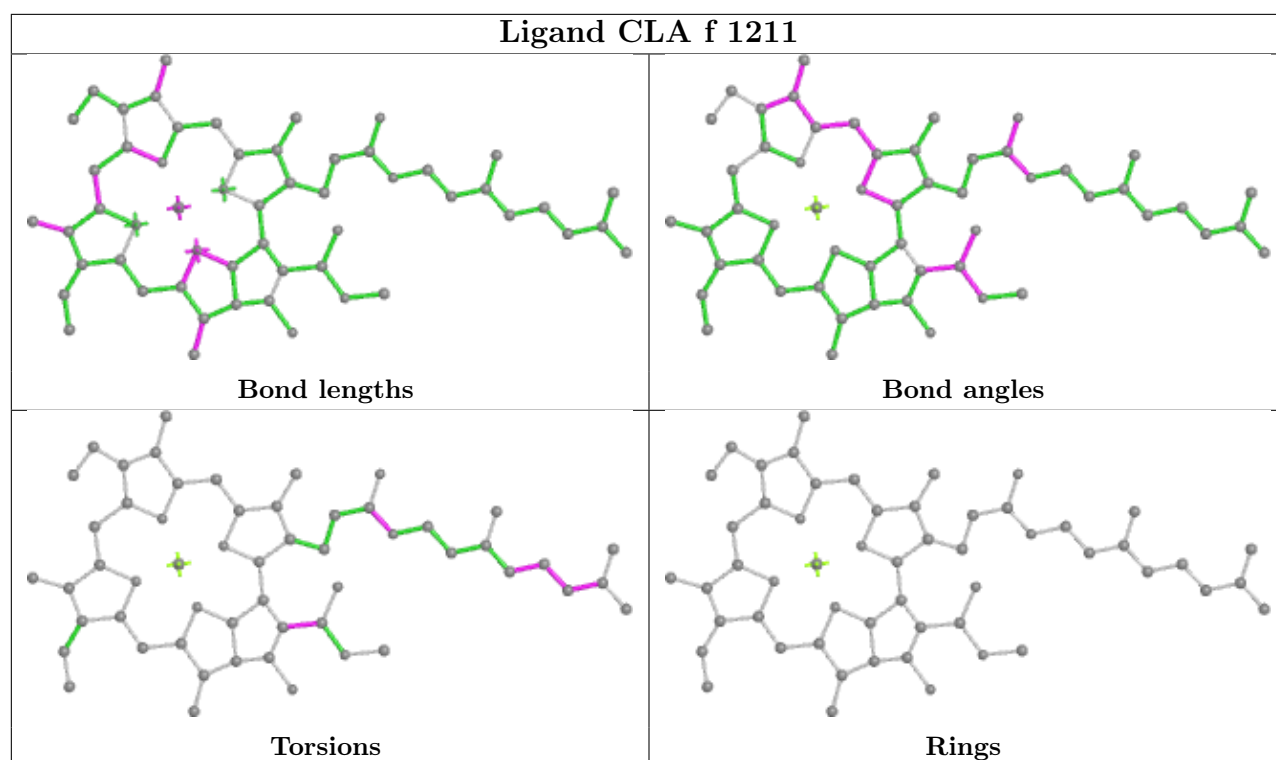












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

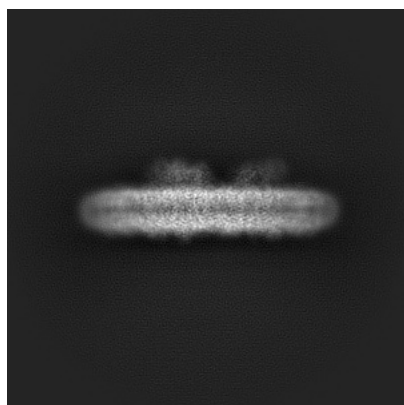
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-9994. These allow visual inspection of the internal detail of the map and identification of artifacts.

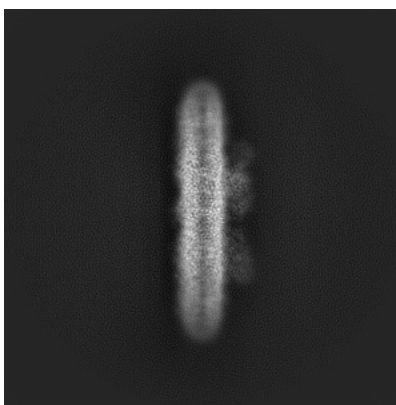
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections [i](#)

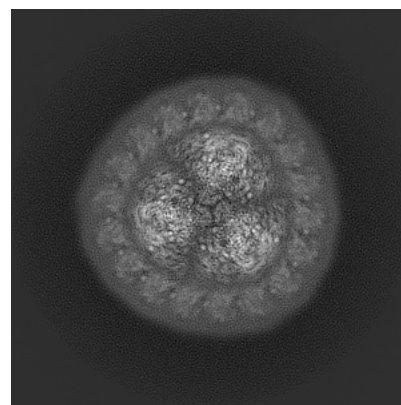
6.1.1 Primary map



X



Y

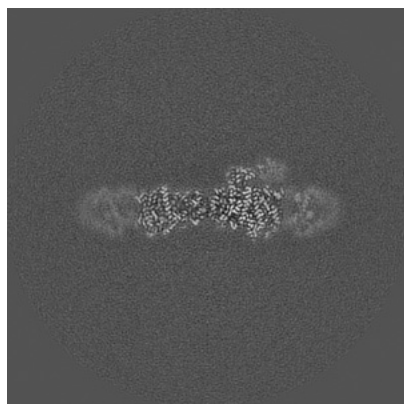


Z

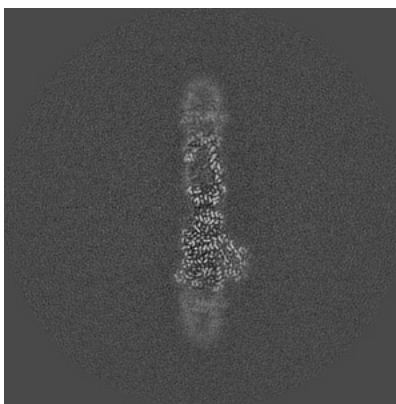
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

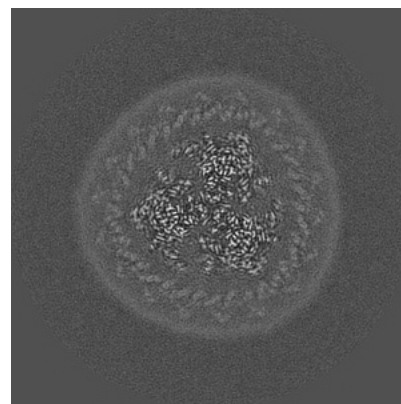
6.2.1 Primary map



X Index: 240



Y Index: 240

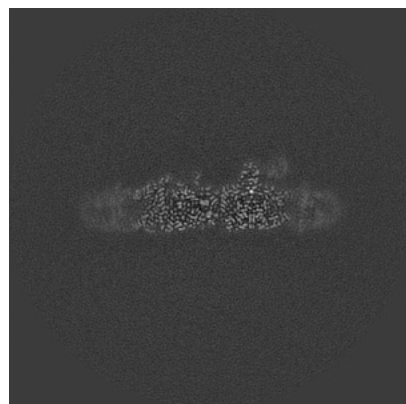


Z Index: 240

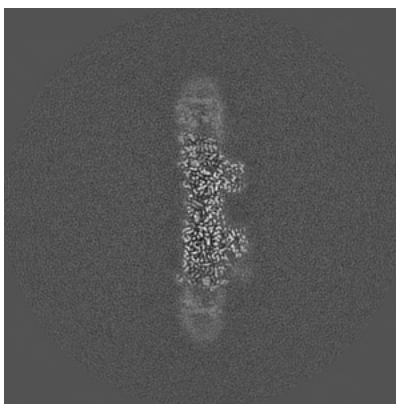
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

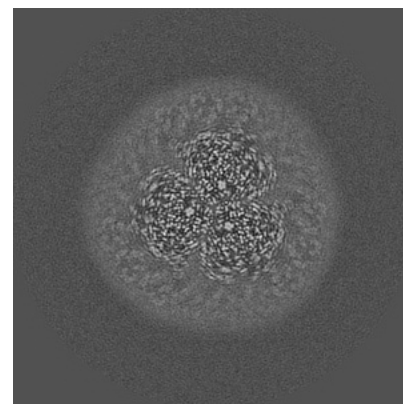
6.3.1 Primary map



X Index: 259



Y Index: 225



Z Index: 253

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

6.4 Orthogonal surface views [i](#)

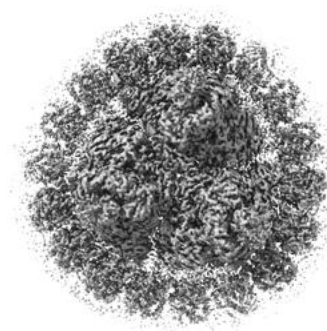
6.4.1 Primary map



X



Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.014. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

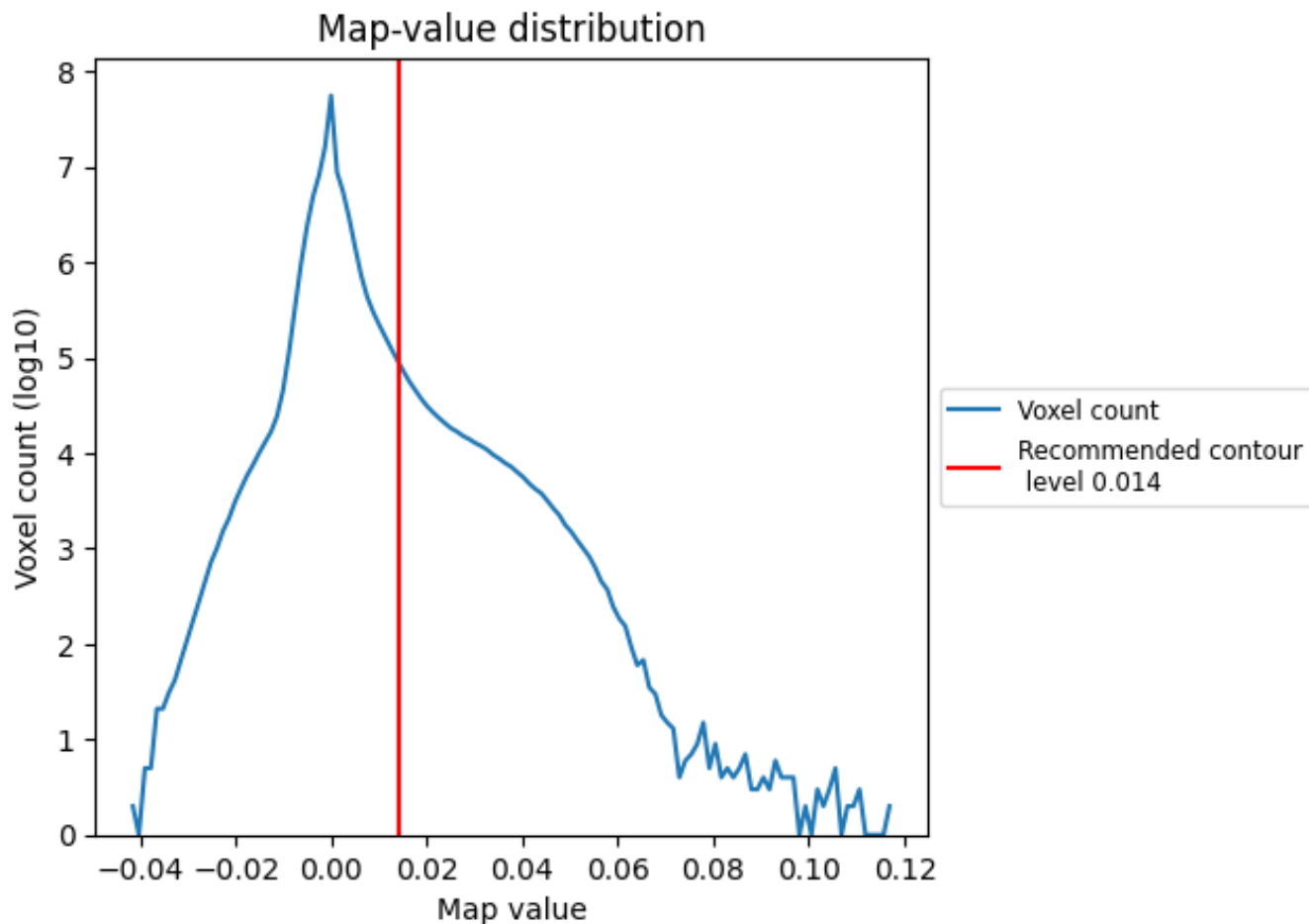
6.5 Mask visualisation

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

7 Map analysis [i](#)

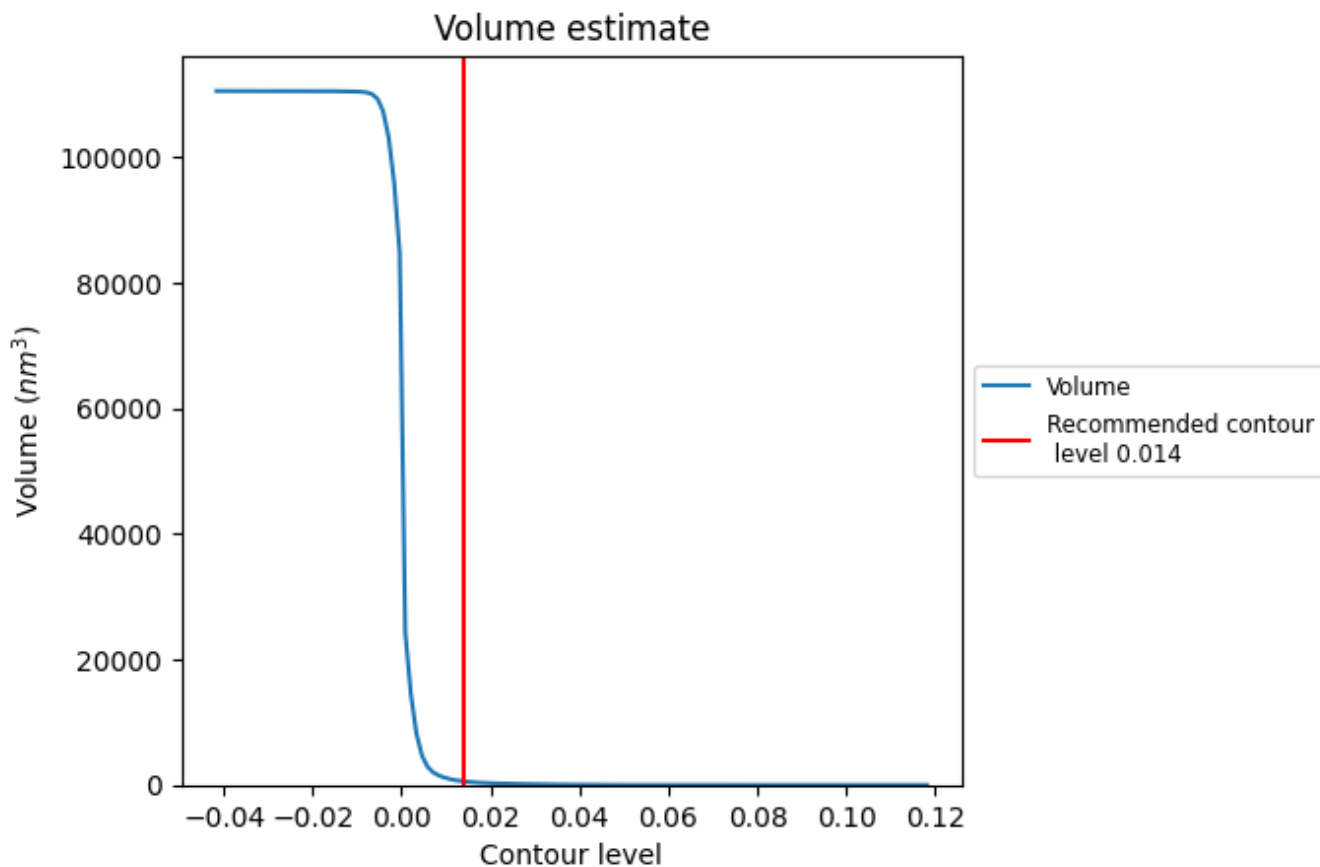
This section contains the results of statistical analysis of the map.

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.

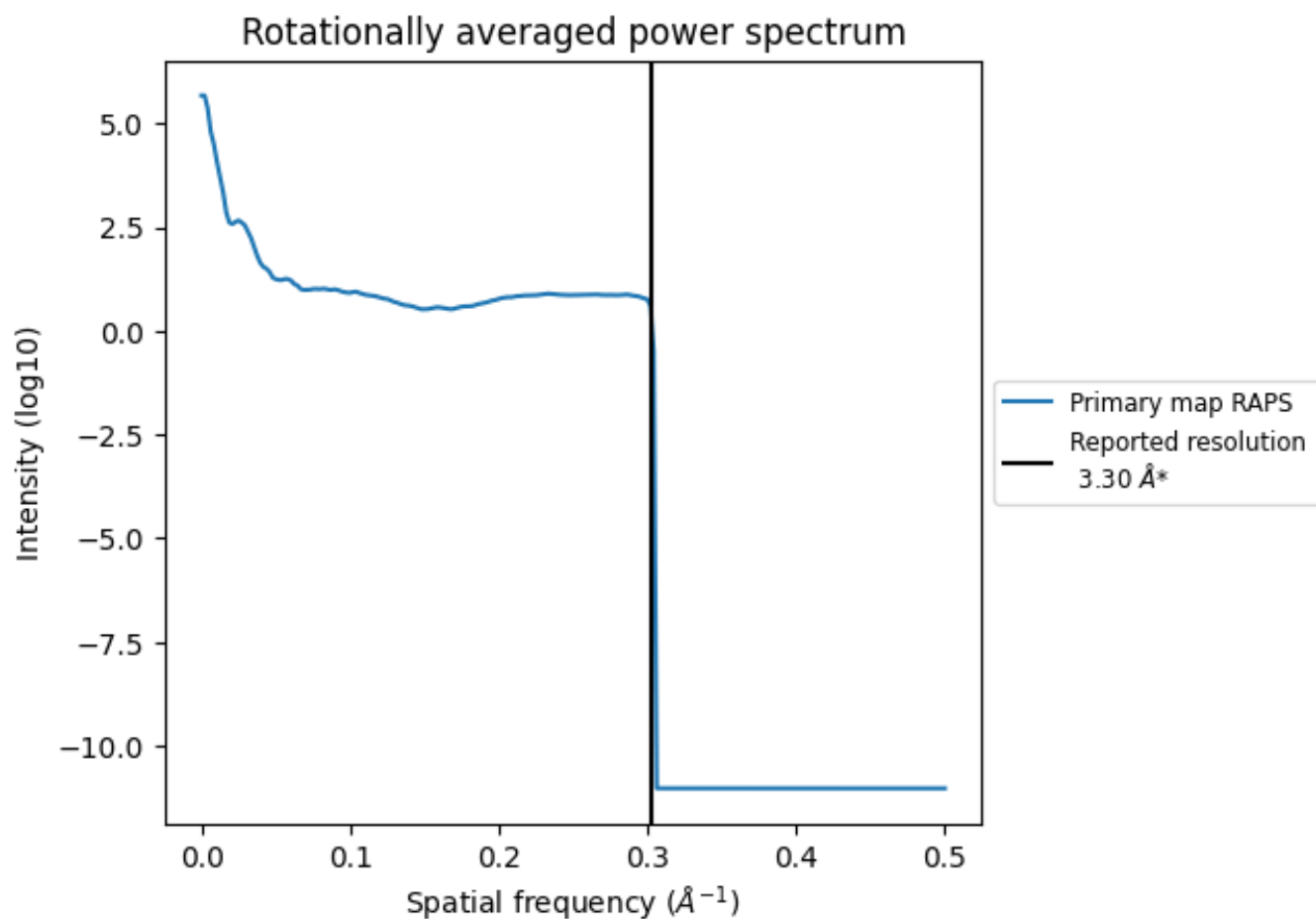
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 567 nm^3 ; this corresponds to an approximate mass of 512 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 0.303 Å⁻¹

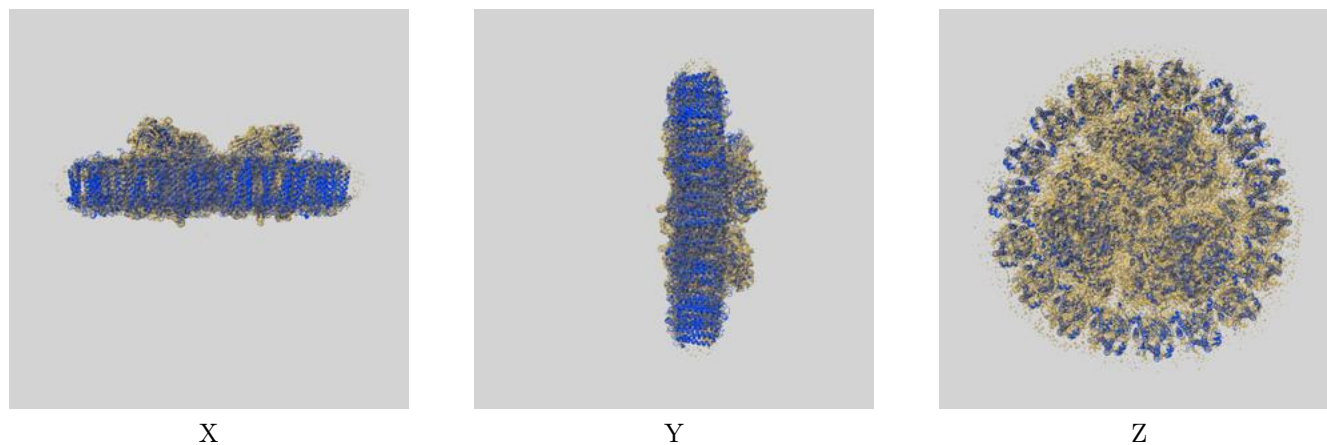
8 Fourier-Shell correlation

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

9 Map-model fit [i](#)

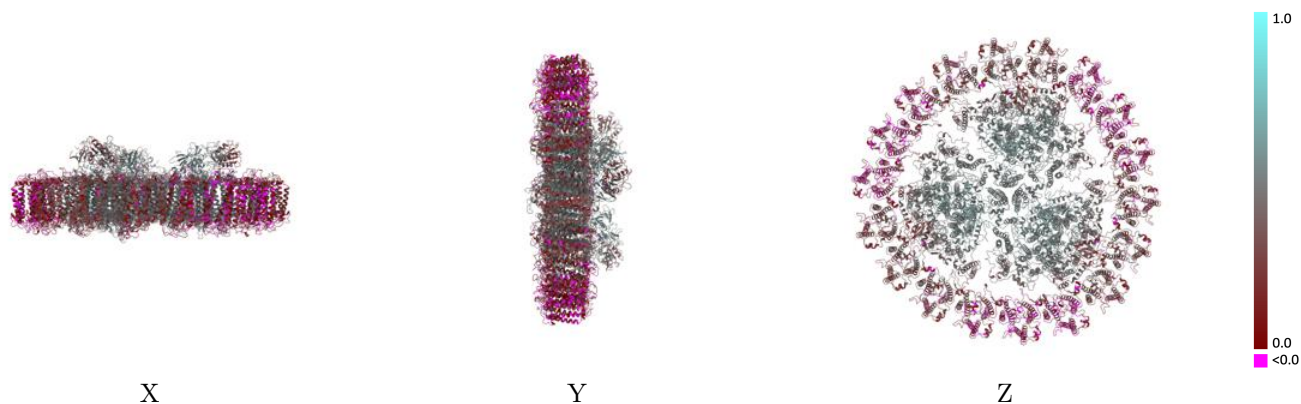
This section contains information regarding the fit between EMDB map EMD-9994 and PDB model 6KIF. Per-residue inclusion information can be found in section 3 on page 69.

9.1 Map-model overlay [i](#)



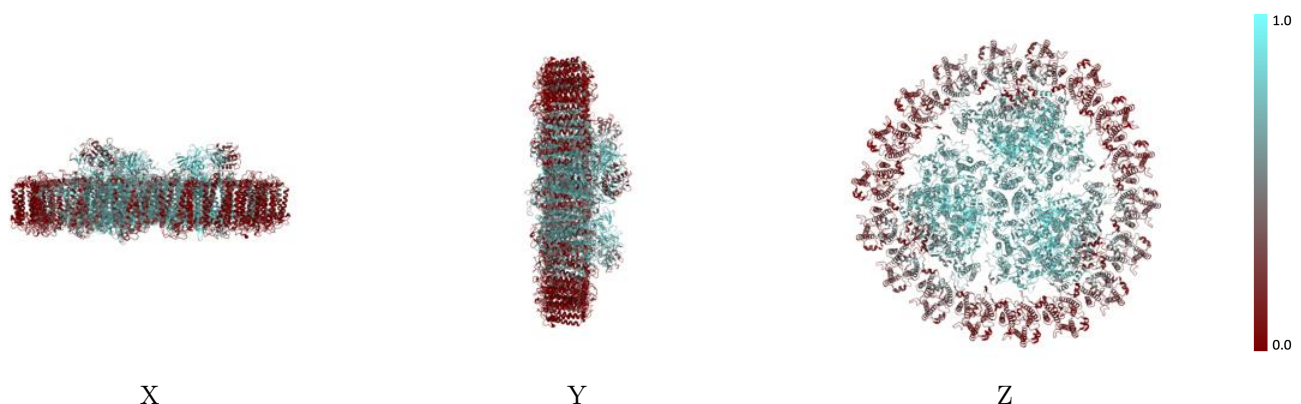
The images above show the 3D surface view of the map at the recommended contour level 0.014 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



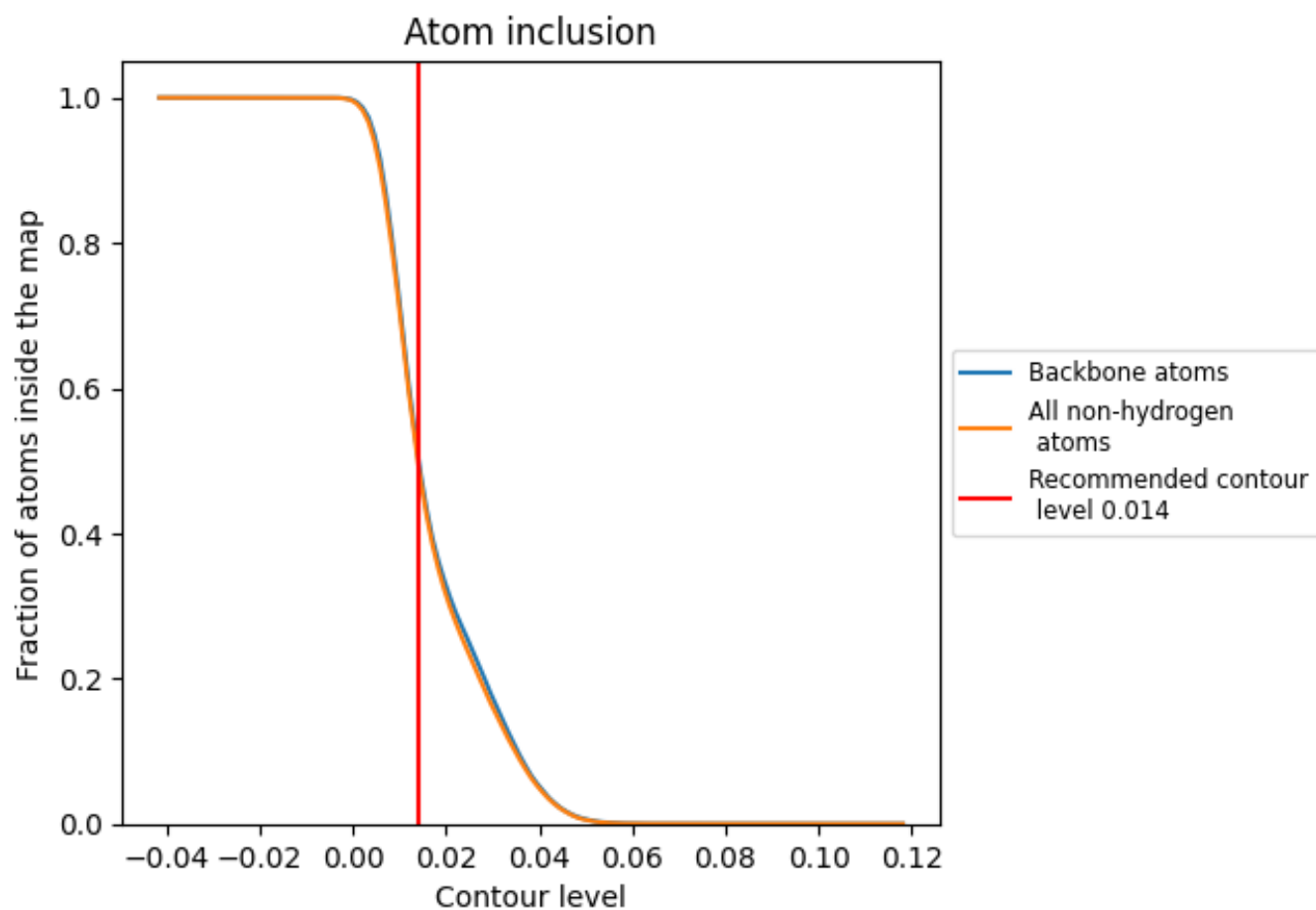
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (0.014).







































































9.4 Atom inclusion [i](#)



At the recommended contour level, 50% of all backbone atoms, 50% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary









































The table lists the average atom inclusion at the recommended contour level (0.014) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.4953	 0.3600
1	 0.3257	 0.2570
2	 0.3296	 0.2860
3	 0.2646	 0.2560
4	 0.0824	 0.0950
5	 0.0787	 0.1060
6	 0.1419	 0.1610
A	 0.7563	 0.5190
B	 0.7499	 0.5000
C	 0.8750	 0.5350
D	 0.7924	 0.5270
E	 0.7269	 0.4830
F	 0.6904	 0.4570
G	 0.7554	 0.5150
H	 0.7495	 0.5000
I	 0.7507	 0.5410
J	 0.6790	 0.4920
K	 0.5304	 0.3470
L	 0.7814	 0.5400
M	 0.7061	 0.5080
N	 0.8717	 0.5370
O	 0.7933	 0.5260
P	 0.3706	 0.3350
Q	 0.7213	 0.4810
R	 0.6895	 0.4570
S	 0.7588	 0.5440
T	 0.6689	 0.4930
U	 0.5180	 0.3330
V	 0.7831	 0.5400
W	 0.6985	 0.5040
X	 0.3676	 0.3320
Y	 0.3176	 0.2520
Z	 0.3279	 0.2790
a	 0.2614	 0.2510
b	 0.0832	 0.0900



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Chain	Atom inclusion	Q-score
c	 0.0758	 0.1030
d	 0.1459	 0.1570
e	 0.7556	 0.5190
f	 0.7495	 0.4990
g	 0.8683	 0.5350
h	 0.7924	 0.5260
i	 0.7175	 0.4760
j	 0.6886	 0.4540
k	 0.7534	 0.5370
l	 0.6689	 0.4910
m	 0.5359	 0.3490
n	 0.7855	 0.5390
o	 0.7023	 0.5050
p	 0.3781	 0.3340
q	 0.3243	 0.2590
r	 0.3347	 0.2880
s	 0.2640	 0.2580
t	 0.0809	 0.0950
u	 0.0767	 0.1070
v	 0.1482	 0.1590