



## Full wwPDB EM Validation Report ⓘ

Oct 14, 2024 – 02:43 PM JST

PDB ID : 7D0J  
EMDB ID : EMD-30536  
Title : Photosystem I-LHCI-LHCII of Chlamydomonas reinhardtii  
Authors : Wang, W.D.; Shen, L.L.; Huang, Z.H.; Han, G.Y.; Zhang, X.; Shen, J.R.  
Deposited on : 2020-09-10  
Resolution : 3.42 Å (reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

---

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

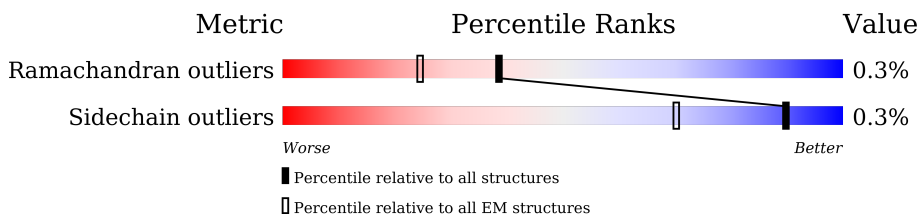
EMDB validation analysis : 0.0.1.dev113  
Mogul : 1.8.5 (274361), CSD as541be (2020)  
MolProbity : 4.02b-467  
buster-report : 1.1.7 (2018)  
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)  
MapQ : 1.9.13  
Ideal geometry (proteins) : Engh & Huber (2001) 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

# 1 Overall quality at a glance

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

The reported resolution of this entry is 3.42 Å.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	740	
2	B	734	
3	C	80	
4	D	144	
5	E	63	
6	F	165	
7	G	91	
8	H	100	
9	I	37	

*Continued on next page...*

Continued from previous page...

Mol	Chain	Length	Quality of chain
10	J	41	51% 98%
11	K	85	95% 98%
12	L	159	36% 99%
13	O	93	70% 99%
14	P	219	100% 99%
14	Q	219	100% 99%
14	R	219	100% 99%
14	T	219	100% 100%
14	U	219	100% 99%
15	S	234	100% 97%
16	1	194	69% 100%
16	a	194	98% 99%
17	2	201	80% 97%
18	3	203	41% 100%
19	4	205	95% 99%
20	5	225	56% 100%
21	6	230	76% 98%
22	7	213	44% 99%
23	8	217	62% 100%
24	9	182	87% 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
25	CLA	1	602	X	-	-	-
25	CLA	1	603	X	-	-	-
25	CLA	1	604	X	-	-	-

Continued on next page...

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	1	605	X	-	-	-
25	CLA	1	607	X	-	-	-
25	CLA	1	608	X	-	-	-
25	CLA	1	609	X	-	-	-
25	CLA	1	610	X	-	-	-
25	CLA	1	611	X	-	-	-
25	CLA	1	612	X	-	-	-
25	CLA	1	613	X	-	-	-
25	CLA	1	614	X	-	-	-
25	CLA	2	302	X	-	-	-
25	CLA	2	303	X	-	-	-
25	CLA	2	304	X	-	-	-
25	CLA	2	305	X	-	-	-
25	CLA	2	306	X	-	-	-
25	CLA	2	307	X	-	-	-
25	CLA	2	308	X	-	-	-
25	CLA	2	309	X	-	-	-
25	CLA	2	310	X	-	-	-
25	CLA	2	311	X	-	-	-
25	CLA	2	312	X	-	-	-
25	CLA	2	313	X	-	-	-
25	CLA	2	314	X	-	-	-
25	CLA	3	301	X	-	-	-
25	CLA	3	302	X	-	-	-
25	CLA	3	303	X	-	-	-
25	CLA	3	304	X	-	-	-
25	CLA	3	305	X	-	-	-
25	CLA	3	307	X	-	-	-
25	CLA	3	308	X	-	-	-
25	CLA	3	309	X	-	-	-
25	CLA	3	310	X	-	-	-
25	CLA	3	311	X	-	-	-
25	CLA	3	312	X	-	-	-
25	CLA	3	313	X	-	-	-
25	CLA	3	314	X	-	-	-
25	CLA	3	320	X	-	-	-
25	CLA	4	301	X	-	-	-
25	CLA	4	302	X	-	-	-
25	CLA	4	303	X	-	-	-
25	CLA	4	307	X	-	-	-
25	CLA	4	308	X	-	-	-
25	CLA	4	309	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	4	310	X	-	-	-
25	CLA	4	311	X	-	-	-
25	CLA	4	312	X	-	-	-
25	CLA	4	313	X	-	-	-
25	CLA	5	302	X	-	-	-
25	CLA	5	304	X	-	-	-
25	CLA	5	305	X	-	-	-
25	CLA	5	306	X	-	-	-
25	CLA	5	309	X	-	-	-
25	CLA	5	310	X	-	-	-
25	CLA	5	311	X	-	-	-
25	CLA	5	312	X	-	-	-
25	CLA	5	313	X	-	-	-
25	CLA	5	314	X	-	-	-
25	CLA	5	315	X	-	-	-
25	CLA	5	316	X	-	-	-
25	CLA	5	324	X	-	-	-
25	CLA	6	601	X	-	-	-
25	CLA	6	603	X	-	-	-
25	CLA	6	604	X	-	-	-
25	CLA	6	605	X	-	-	-
25	CLA	6	609	X	-	-	-
25	CLA	6	610	X	-	-	-
25	CLA	6	611	X	-	-	-
25	CLA	6	612	X	-	-	-
25	CLA	6	613	X	-	-	-
25	CLA	6	614	X	-	-	-
25	CLA	6	615	X	-	-	-
25	CLA	6	616	X	-	-	-
25	CLA	6	620	X	-	-	-
25	CLA	6	623	X	-	-	-
25	CLA	7	301	X	-	-	-
25	CLA	7	302	X	-	-	-
25	CLA	7	303	X	-	-	-
25	CLA	7	304	X	-	-	-
25	CLA	7	306	X	-	-	-
25	CLA	7	307	X	-	-	-
25	CLA	7	308	X	-	-	-
25	CLA	7	309	X	-	-	-
25	CLA	7	310	X	-	-	-
25	CLA	7	311	X	-	-	-
25	CLA	7	312	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	7	313	X	-	-	-
25	CLA	8	302	X	-	-	-
25	CLA	8	303	X	-	-	-
25	CLA	8	304	X	-	-	-
25	CLA	8	305	X	-	-	-
25	CLA	8	306	X	-	-	-
25	CLA	8	308	X	-	-	-
25	CLA	8	309	X	-	-	-
25	CLA	8	310	X	-	-	-
25	CLA	8	311	X	-	-	-
25	CLA	8	312	X	-	-	-
25	CLA	8	313	X	-	-	-
25	CLA	8	314	X	-	-	-
25	CLA	8	315	X	-	-	-
25	CLA	9	301	X	-	-	-
25	CLA	9	302	X	-	-	-
25	CLA	9	303	X	-	-	-
25	CLA	9	304	X	-	-	-
25	CLA	9	305	X	-	-	-
25	CLA	9	308	X	-	-	-
25	CLA	9	309	X	-	-	-
25	CLA	9	310	X	-	-	-
25	CLA	9	311	X	-	-	-
25	CLA	A	801	X	-	-	-
25	CLA	A	802	X	-	-	-
25	CLA	A	803	X	-	-	-
25	CLA	A	804	X	-	-	-
25	CLA	A	805	X	-	-	-
25	CLA	A	806	X	-	-	-
25	CLA	A	807	X	-	-	-
25	CLA	A	808	X	-	-	-
25	CLA	A	809	X	-	-	-
25	CLA	A	810	X	-	-	-
25	CLA	A	811	X	-	-	-
25	CLA	A	812	X	-	-	-
25	CLA	A	813	X	-	-	-
25	CLA	A	814	X	-	-	-
25	CLA	A	815	X	-	-	-
25	CLA	A	816	X	-	-	-
25	CLA	A	817	X	-	-	-
25	CLA	A	818	X	-	-	-
25	CLA	A	819	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	A	820	X	-	-	-
25	CLA	A	821	X	-	-	-
25	CLA	A	822	X	-	-	-
25	CLA	A	823	X	-	-	-
25	CLA	A	824	X	-	-	-
25	CLA	A	825	X	-	-	-
25	CLA	A	826	X	-	-	-
25	CLA	A	827	X	-	-	-
25	CLA	A	828	X	-	-	-
25	CLA	A	829	X	-	-	-
25	CLA	A	830	X	-	-	-
25	CLA	A	831	X	-	-	-
25	CLA	A	832	X	-	-	-
25	CLA	A	833	X	-	-	-
25	CLA	A	834	X	-	-	-
25	CLA	A	835	X	-	-	-
25	CLA	A	836	X	-	-	-
25	CLA	A	837	X	-	-	-
25	CLA	A	838	X	-	-	-
25	CLA	A	839	X	-	-	-
25	CLA	A	840	X	-	-	-
25	CLA	A	842	X	-	-	-
25	CLA	A	851	X	-	-	-
25	CLA	A	853	X	-	-	-
25	CLA	B	801	X	-	-	-
25	CLA	B	802	X	-	-	-
25	CLA	B	803	X	-	-	-
25	CLA	B	804	X	-	-	-
25	CLA	B	805	X	-	-	-
25	CLA	B	806	X	-	-	-
25	CLA	B	807	X	-	-	-
25	CLA	B	808	X	-	-	-
25	CLA	B	809	X	-	-	-
25	CLA	B	810	X	-	-	-
25	CLA	B	811	X	-	-	-
25	CLA	B	812	X	-	-	-
25	CLA	B	813	X	-	-	-
25	CLA	B	814	X	-	-	-
25	CLA	B	815	X	-	-	-
25	CLA	B	816	X	-	-	-
25	CLA	B	817	X	-	-	-
25	CLA	B	818	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	B	819	X	-	-	-
25	CLA	B	820	X	-	-	-
25	CLA	B	821	X	-	-	-
25	CLA	B	822	X	-	-	-
25	CLA	B	823	X	-	-	-
25	CLA	B	824	X	-	-	-
25	CLA	B	825	X	-	-	-
25	CLA	B	826	X	-	-	-
25	CLA	B	827	X	-	-	-
25	CLA	B	828	X	-	-	-
25	CLA	B	829	X	-	-	-
25	CLA	B	830	X	-	-	-
25	CLA	B	831	X	-	-	-
25	CLA	B	832	X	-	-	-
25	CLA	B	833	X	-	-	-
25	CLA	B	834	X	-	-	-
25	CLA	B	835	X	-	-	-
25	CLA	B	836	X	-	-	-
25	CLA	B	837	X	-	-	-
25	CLA	B	838	X	-	-	-
25	CLA	B	849	X	-	-	-
25	CLA	F	802	X	-	-	-
25	CLA	G	201	X	-	-	-
25	CLA	G	202	X	-	-	-
25	CLA	H	201	X	-	-	-
25	CLA	H	202	X	-	-	-
25	CLA	H	203	X	-	-	-
25	CLA	H	205	X	-	-	-
25	CLA	J	103	X	-	-	-
25	CLA	J	105	X	-	-	-
25	CLA	K	201	X	-	-	-
25	CLA	K	202	X	-	-	-
25	CLA	K	203	X	-	-	-
25	CLA	K	204	X	-	-	-
25	CLA	K	205	X	-	-	-
25	CLA	L	201	X	-	-	-
25	CLA	L	202	X	-	-	-
25	CLA	L	205	X	-	-	-
25	CLA	L	206	X	-	-	-
25	CLA	L	209	X	-	-	-
25	CLA	O	201	X	-	-	-
25	CLA	O	202	X	-	-	-

*Continued on next page...*



*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	O	203	X	-	-	-
25	CLA	P	602	X	-	-	-
25	CLA	P	603	X	-	-	-
25	CLA	P	604	X	-	-	-
25	CLA	P	610	X	-	-	-
25	CLA	P	611	X	-	-	-
25	CLA	P	612	X	-	-	-
25	CLA	P	613	X	-	-	-
25	CLA	Q	602	X	-	-	-
25	CLA	Q	603	X	-	-	-
25	CLA	Q	604	X	-	-	-
25	CLA	Q	609	X	-	-	-
25	CLA	Q	610	X	-	-	-
25	CLA	Q	611	X	-	-	-
25	CLA	Q	612	X	-	-	-
25	CLA	Q	613	X	-	-	-
25	CLA	R	602	X	-	-	-
25	CLA	R	603	X	-	-	-
25	CLA	R	604	X	-	-	-
25	CLA	R	610	X	-	-	-
25	CLA	R	611	X	-	-	-
25	CLA	R	612	X	-	-	-
25	CLA	R	613	X	-	-	-
25	CLA	R	614	X	-	-	-
25	CLA	S	301	X	-	-	-
25	CLA	S	303	X	-	-	-
25	CLA	S	304	X	-	-	-
25	CLA	S	305	X	-	-	-
25	CLA	S	311	X	-	-	-
25	CLA	S	312	X	-	-	-
25	CLA	S	313	X	-	-	-
25	CLA	S	315	X	-	-	-
25	CLA	S	320	X	-	-	-
25	CLA	T	602	X	-	-	-
25	CLA	T	603	X	-	-	-
25	CLA	T	608	X	-	-	-
25	CLA	T	610	X	-	-	-
25	CLA	T	611	X	-	-	-
25	CLA	T	612	X	-	-	-
25	CLA	U	302	X	-	-	-
25	CLA	U	303	X	-	-	-
25	CLA	U	304	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	CLA	U	310	X	-	-	-
25	CLA	U	311	X	-	-	-
25	CLA	U	312	X	-	-	-
25	CLA	U	313	X	-	-	-
25	CLA	a	301	X	-	-	-
25	CLA	a	302	X	-	-	-
25	CLA	a	303	X	-	-	-
25	CLA	a	304	X	-	-	-
25	CLA	a	306	X	-	-	-
25	CLA	a	307	X	-	-	-
25	CLA	a	308	X	-	-	-
25	CLA	a	309	X	-	-	-
25	CLA	a	310	X	-	-	-
25	CLA	a	311	X	-	-	-
25	CLA	a	312	X	-	-	-
25	CLA	a	313	X	-	-	-
33	CHL	1	601	X	-	-	-
33	CHL	1	606	X	-	-	-
33	CHL	3	306	X	-	-	-
33	CHL	4	304	X	-	-	-
33	CHL	4	305	X	-	-	-
33	CHL	4	306	X	-	-	-
33	CHL	4	314	X	-	-	-
33	CHL	4	322	X	-	-	-
33	CHL	5	307	X	-	-	-
33	CHL	5	308	X	-	-	-
33	CHL	5	317	X	-	-	-
33	CHL	6	606	X	-	-	-
33	CHL	6	607	X	-	-	-
33	CHL	6	608	X	-	-	-
33	CHL	6	617	X	-	-	-
33	CHL	7	305	X	-	-	-
33	CHL	8	307	X	-	-	-
33	CHL	9	306	X	-	-	-
33	CHL	9	307	X	-	-	-
33	CHL	P	601	X	-	-	-
33	CHL	P	605	X	-	-	-
33	CHL	P	606	X	-	-	-
33	CHL	P	607	X	-	-	-
33	CHL	P	608	X	-	-	-
33	CHL	P	609	X	-	-	-
33	CHL	P	619	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
33	CHL	P	622	X	-	-	-
33	CHL	Q	601	X	-	-	-
33	CHL	Q	605	X	-	-	-
33	CHL	Q	606	X	-	-	-
33	CHL	Q	607	X	-	-	-
33	CHL	Q	608	X	-	-	-
33	CHL	R	601	X	-	-	-
33	CHL	R	605	X	-	-	-
33	CHL	R	606	X	-	-	-
33	CHL	R	607	X	-	-	-
33	CHL	R	608	X	-	-	-
33	CHL	R	609	X	-	-	-
33	CHL	S	302	X	-	-	-
33	CHL	S	306	X	-	-	-
33	CHL	S	307	X	-	-	-
33	CHL	S	308	X	-	-	-
33	CHL	S	309	X	-	-	-
33	CHL	S	310	X	-	-	-
33	CHL	S	321	X	-	-	-
33	CHL	T	601	X	-	-	-
33	CHL	T	604	X	-	-	-
33	CHL	T	605	X	-	-	-
33	CHL	T	606	X	-	-	-
33	CHL	T	607	X	-	-	-
33	CHL	U	305	X	-	-	-
33	CHL	U	306	X	-	-	-
33	CHL	U	307	X	-	-	-
33	CHL	U	308	X	-	-	-
33	CHL	U	309	X	-	-	-
33	CHL	a	305	X	-	-	-

## 2 Entry composition i

There are 36 unique types of molecules in this entry. The entry contains 68860 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	740	5811	3799	991	999	22	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	B	734	5828	3827	978	1005	18	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	C	80	600	369	103	116	12	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	D	144	1132	725	200	200	7	0	0

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

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	E	63	496	316	87	93	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
6	F	165	1265	817	213	232	3	0	0

- Molecule 7 is a protein called Photosystem I reaction center subunit V, chloroplastic.

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
7	G	91	678	436	114	128	0	0

- Molecule 8 is a protein called Photosystem I reaction center subunit VI, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
8	H	100	773	479	138	154	2	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
9	I	37	281	195	39	46	1	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
10	J	41	337	231	47	58	1	0	0

- Molecule 11 is a protein called Photosystem I reaction center subunit psaK, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
11	K	85	578	368	99	109	2	0	0

- Molecule 12 is a protein called PSI subunit V.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
12	L	159	1161	757	189	212	3	0	0

- Molecule 13 is a protein called Photosystem I subunit O.

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
13	O	93	720	477	118	125	0	0

- Molecule 14 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	P	219	Total	C	N	O	S	0	0
			1669	1080	272	314	3		
14	Q	219	Total	C	N	O	S	0	0
			1669	1080	272	314	3		
14	R	219	Total	C	N	O	S	0	0
			1669	1080	272	314	3		
14	T	219	Total	C	N	O	S	0	0
			1669	1080	272	314	3		
14	U	219	Total	C	N	O	S	0	0
			1669	1080	272	314	3		

- Molecule 15 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace	
15	S	233	Total	C	N	O	P	S	0	0
			1717	1098	285	328	1	5		

- Molecule 16 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	1	194	Total	C	N	O	S	0	0
			1444	941	240	260	3		
16	a	194	Total	C	N	O	S	0	0
			1444	941	240	260	3		

- Molecule 17 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	2	201	Total	C	N	O	S	0	0
			1545	1002	253	280	10		

- Molecule 18 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	3	203	Total	C	N	O	S	0	0
			1560	1021	253	278	8		

- Molecule 19 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	4	205	Total	C	N	O	S	0	0
			1590	1046	254	285	5		

- Molecule 20 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
20	5	225	1757	1145	294	310	8	0	0

- Molecule 21 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
21	6	230	1771	1167	293	305	6	0	0

- Molecule 22 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
22	7	212	1644	1067	274	297	6	0	0

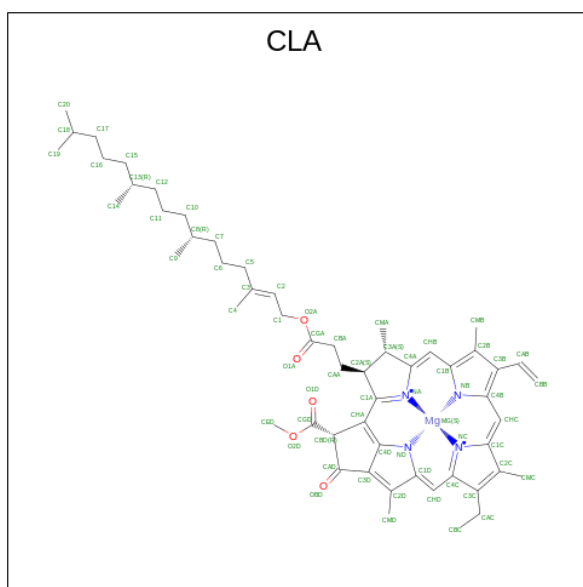
- Molecule 23 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
23	8	217	1649	1073	280	292	4	0	0

- Molecule 24 is a protein called Chlorophyll a-b binding protein, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
24	9	182	1392	903	231	251	7	0	0

- Molecule 25 is CHLOROPHYLL A (three-letter code: CLA) (formula: C<sub>55</sub>H<sub>72</sub>MgN<sub>4</sub>O<sub>5</sub>).



Mol	Chain	Residues	Atoms				AltConf	
			Total	C	Mg	N		O
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	55	45	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	54	44	1	4	5	0
25	A	1	65	55	1	4	5	0

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	A	1	60	50	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	57	47	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	45	35	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	49	39	1	4	5	0
25	A	1	55	45	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	50	40	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	50	40	1	4	5	0
25	A	1	45	35	1	4	5	0
25	A	1	51	41	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	52	42	1	4	5	0
25	A	1	65	55	1	4	5	0
25	A	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	45	35	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	57	47	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	B	1	55	45	1	4	5	0
25	B	1	59	49	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	56	46	1	4	5	0
25	B	1	46	36	1	4	5	0
25	B	1	59	49	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	50	40	1	4	5	0
25	B	1	49	39	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	45	35	1	4	5	0
25	B	1	60	50	1	4	5	0
25	B	1	65	55	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	B	1	47	37	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	B	1	65	55	1	4	5	0
25	F	1	45	35	1	4	5	0
25	G	1	50	40	1	4	5	0
25	G	1	46	36	1	4	5	0
25	H	1	46	36	1	4	5	0
25	H	1	41	33	1	4	3	0
25	H	1	46	36	1	4	5	0
25	H	1	42	34	1	4	3	0
25	J	1	58	48	1	4	5	0
25	J	1	42	34	1	4	3	0
25	K	1	51	41	1	4	5	0
25	K	1	45	35	1	4	5	0
25	K	1	46	36	1	4	5	0
25	K	1	45	35	1	4	5	0
25	K	1	45	35	1	4	5	0
25	L	1	65	55	1	4	5	0
25	L	1	65	55	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	L	1	65	55	1	4	5	0
25	L	1	42	34	1	4	3	0
25	L	1	41	33	1	4	3	0
25	O	1	41	33	1	4	3	0
25	O	1	38	30	1	4	3	0
25	O	1	38	30	1	4	3	0
25	P	1	65	55	1	4	5	0
25	P	1	65	55	1	4	5	0
25	P	1	50	40	1	4	5	0
25	P	1	60	50	1	4	5	0
25	P	1	41	33	1	4	3	0
25	P	1	60	50	1	4	5	0
25	P	1	58	48	1	4	5	0
25	Q	1	65	55	1	4	5	0
25	Q	1	65	55	1	4	5	0
25	Q	1	50	40	1	4	5	0
25	Q	1	65	55	1	4	5	0
25	Q	1	40	32	1	4	3	0
25	Q	1	60	50	1	4	5	0
25	Q	1	60	50	1	4	5	0
25	Q	1	48	38	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	Q	1	40	32	1	4	3	0
25	R	1	65	55	1	4	5	0
25	R	1	65	55	1	4	5	0
25	R	1	50	40	1	4	5	0
25	R	1	64	54	1	4	5	0
25	R	1	60	50	1	4	5	0
25	R	1	60	50	1	4	5	0
25	R	1	65	55	1	4	5	0
25	R	1	48	38	1	4	5	0
25	S	1	47	37	1	4	5	0
25	S	1	65	55	1	4	5	0
25	S	1	65	55	1	4	5	0
25	S	1	50	40	1	4	5	0
25	S	1	60	50	1	4	5	0
25	S	1	60	50	1	4	5	0
25	S	1	60	50	1	4	5	0
25	S	1	65	55	1	4	5	0
25	S	1	48	38	1	4	5	0
25	S	1	65	55	1	4	5	0
25	T	1	65	55	1	4	5	0
25	T	1	50	40	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	T	1	65	55	1	4	5	0
25	T	1	60	50	1	4	5	0
25	T	1	60	50	1	4	5	0
25	T	1	60	50	1	4	5	0
25	T	1	48	38	1	4	5	0
25	U	1	65	55	1	4	5	0
25	U	1	65	55	1	4	5	0
25	U	1	50	40	1	4	5	0
25	U	1	64	54	1	4	5	0
25	U	1	54	47	1	4	2	0
25	U	1	65	55	1	4	5	0
25	U	1	45	35	1	4	5	0
25	1	1	65	55	1	4	5	0
25	1	1	65	55	1	4	5	0
25	1	1	57	47	1	4	5	0
25	1	1	52	42	1	4	5	0
25	1	1	65	55	1	4	5	0
25	1	1	65	55	1	4	5	0
25	1	1	60	50	1	4	5	0
25	1	1	65	55	1	4	5	0
25	1	1	52	42	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	1	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	1	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	1	1	Total 46	C 36	Mg 1	N 4	O 5	0
25	2	1	Total 46	C 36	Mg 1	N 4	O 5	0
25	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	2	1	Total 52	C 42	Mg 1	N 4	O 5	0
25	2	1	Total 41	C 33	Mg 1	N 4	O 3	0
25	2	1	Total 50	C 40	Mg 1	N 4	O 5	0
25	2	1	Total 43	C 35	Mg 1	N 4	O 3	0
25	2	1	Total 60	C 50	Mg 1	N 4	O 5	0
25	2	1	Total 41	C 33	Mg 1	N 4	O 3	0
25	2	1	Total 52	C 42	Mg 1	N 4	O 5	0
25	2	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	2	1	Total 55	C 45	Mg 1	N 4	O 5	0
25	2	1	Total 46	C 36	Mg 1	N 4	O 5	0
25	3	1	Total 60	C 50	Mg 1	N 4	O 5	0
25	3	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	3	1	Total 65	C 55	Mg 1	N 4	O 5	0
25	3	1	Total 42	C 34	Mg 1	N 4	O 3	0
25	3	1	Total 60	C 50	Mg 1	N 4	O 5	0

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	3	1	50	40	1	4	5	0
25	3	1	65	55	1	4	5	0
25	3	1	41	33	1	4	3	0
25	3	1	46	36	1	4	5	0
25	3	1	55	45	1	4	5	0
25	3	1	45	35	1	4	5	0
25	3	1	46	36	1	4	5	0
25	3	1	56	46	1	4	5	0
25	3	1	65	55	1	4	5	0
25	4	1	60	50	1	4	5	0
25	4	1	46	36	1	4	5	0
25	4	1	50	40	1	4	5	0
25	4	1	50	40	1	4	5	0
25	4	1	60	50	1	4	5	0
25	4	1	55	45	1	4	5	0
25	4	1	52	42	1	4	5	0
25	4	1	56	46	1	4	5	0
25	4	1	45	35	1	4	5	0
25	4	1	41	33	1	4	3	0
25	5	1	65	55	1	4	5	0
25	5	1	65	55	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	5	1	46	36	1	4	5	0
25	5	1	50	40	1	4	5	0
25	5	1	55	45	1	4	5	0
25	5	1	50	40	1	4	5	0
25	5	1	60	50	1	4	5	0
25	5	1	55	45	1	4	5	0
25	5	1	52	42	1	4	5	0
25	5	1	56	46	1	4	5	0
25	5	1	45	35	1	4	5	0
25	5	1	46	36	1	4	5	0
25	5	1	43	35	1	4	3	0
25	5	1	46	36	1	4	5	0
25	5	1	65	55	1	4	5	0
25	6	1	61	51	1	4	5	0
25	6	1	65	55	1	4	5	0
25	6	1	46	36	1	4	5	0
25	6	1	65	55	1	4	5	0
25	6	1	50	40	1	4	5	0
25	6	1	60	50	1	4	5	0
25	6	1	55	45	1	4	5	0
25	6	1	52	42	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	6	1	56	46	1	4	5	0
25	6	1	45	35	1	4	5	0
25	6	1	46	36	1	4	5	0
25	6	1	46	36	1	4	5	0
25	6	1	45	35	1	4	5	0
25	6	1	60	50	1	4	5	0
25	7	1	65	55	1	4	5	0
25	7	1	46	36	1	4	5	0
25	7	1	56	46	1	4	5	0
25	7	1	42	34	1	4	3	0
25	7	1	50	40	1	4	5	0
25	7	1	50	40	1	4	5	0
25	7	1	60	50	1	4	5	0
25	7	1	41	33	1	4	3	0
25	7	1	52	42	1	4	5	0
25	7	1	65	55	1	4	5	0
25	7	1	43	35	1	4	3	0
25	7	1	46	36	1	4	5	0
25	8	1	65	55	1	4	5	0
25	8	1	62	52	1	4	5	0
25	8	1	45	35	1	4	5	0

*Continued on next page...*

*Continued from previous page...*

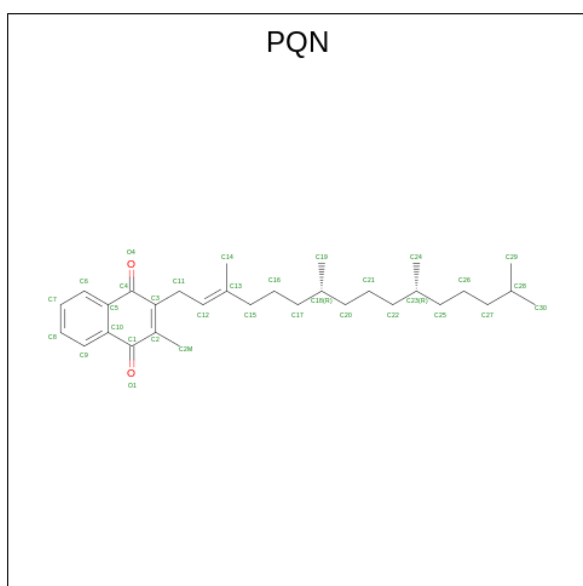
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
25	8	1	46	36	1	4	5	0
25	8	1	42	34	1	4	3	0
25	8	1	50	40	1	4	5	0
25	8	1	46	36	1	4	5	0
25	8	1	60	50	1	4	5	0
25	8	1	46	36	1	4	5	0
25	8	1	52	42	1	4	5	0
25	8	1	65	55	1	4	5	0
25	8	1	55	45	1	4	5	0
25	8	1	46	36	1	4	5	0
25	9	1	54	44	1	4	5	0
25	9	1	46	36	1	4	5	0
25	9	1	60	50	1	4	5	0
25	9	1	46	36	1	4	5	0
25	9	1	50	40	1	4	5	0
25	9	1	50	40	1	4	5	0
25	9	1	60	50	1	4	5	0
25	9	1	50	40	1	4	5	0
25	9	1	45	35	1	4	5	0
25	a	1	65	55	1	4	5	0
25	a	1	57	47	1	4	5	0

*Continued on next page...*

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf
25	a	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
25	a	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

- Molecule 26 is PHYLLOQUINONE (three-letter code: PQN) (formula: C<sub>31</sub>H<sub>46</sub>O<sub>2</sub>).



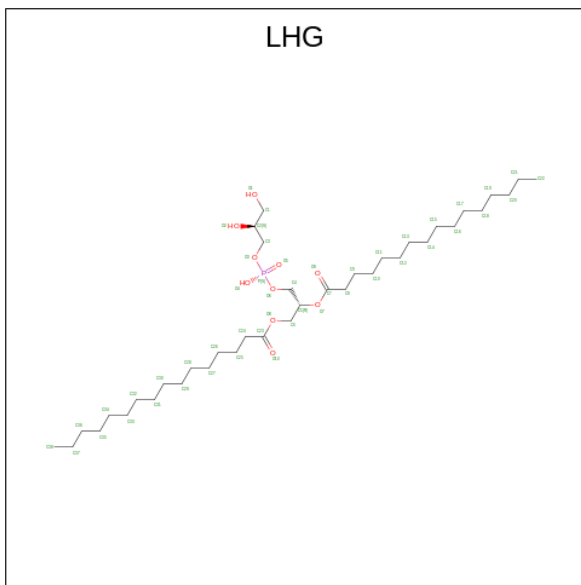
Mol	Chain	Residues	Atoms			AltConf
26	A	1	Total	C	O	0
			33	31	2	

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
26	B	1	33	31	2	0

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



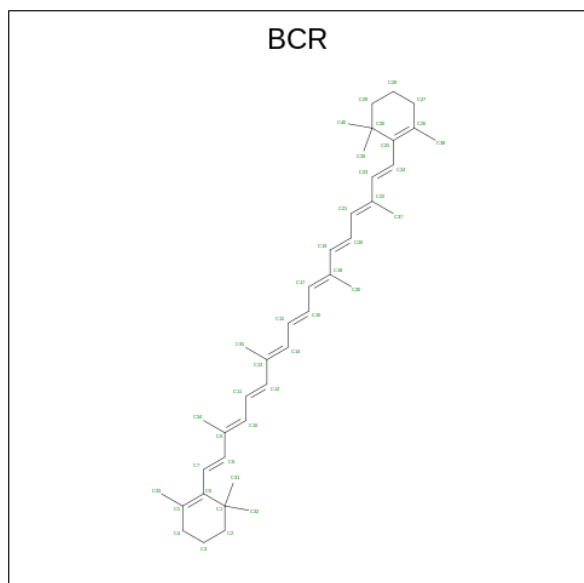
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
27	A	1	49	38	10	1	0
27	A	1	38	27	10	1	0
27	A	1	48	37	10	1	0
27	B	1	38	27	10	1	0
27	P	1	49	38	10	1	0
27	P	1	49	38	10	1	0
27	Q	1	49	38	10	1	0
27	R	1	49	38	10	1	0
27	S	1	49	38	10	1	0
27	T	1	49	38	10	1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
27	1	1	Total 43	C 32	O 10	P 1	0
27	2	1	Total 49	C 38	O 10	P 1	0
27	4	1	Total 49	C 38	O 10	P 1	0
27	4	1	Total 32	C 21	O 10	P 1	0
27	5	1	Total 45	C 34	O 10	P 1	0
27	5	1	Total 37	C 26	O 10	P 1	0
27	6	1	Total 49	C 38	O 10	P 1	0
27	7	1	Total 37	C 26	O 10	P 1	0
27	8	1	Total 49	C 38	O 10	P 1	0
27	a	1	Total 43	C 32	O 10	P 1	0

- Molecule 28 is BETA-CAROTENE (three-letter code: BCR) (formula:  $C_{40}H_{56}$ ).



Mol	Chain	Residues	Atoms		AltConf
28	A	1	Total 40	C 40	0

Continued on next page...

*Continued from previous page...*

Mol	Chain	Residues	Atoms	AltConf
28	A	1	Total C 40 40	0
28	A	1	Total C 40 40	0
28	A	1	Total C 40 40	0
28	A	1	Total C 40 40	0
28	A	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	B	1	Total C 40 40	0
28	F	1	Total C 40 40	0
28	F	1	Total C 40 40	0
28	G	1	Total C 40 40	0
28	I	1	Total C 40 40	0
28	J	1	Total C 40 40	0
28	J	1	Total C 40 40	0
28	K	1	Total C 40 40	0
28	L	1	Total C 40 40	0
28	L	1	Total C 40 40	0

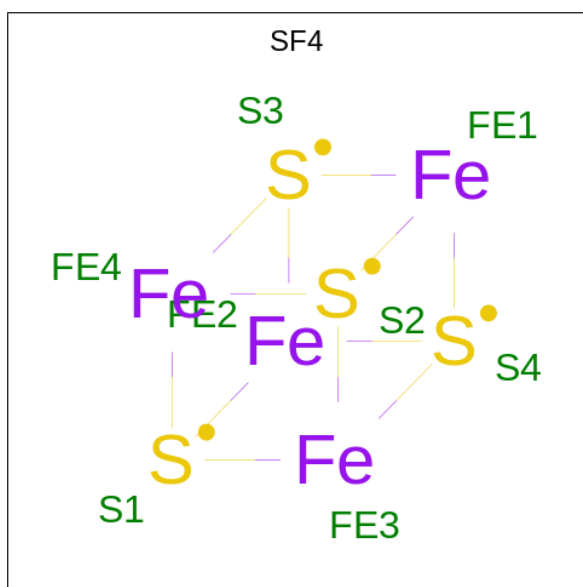
*Continued on next page...*



*Continued from previous page...*

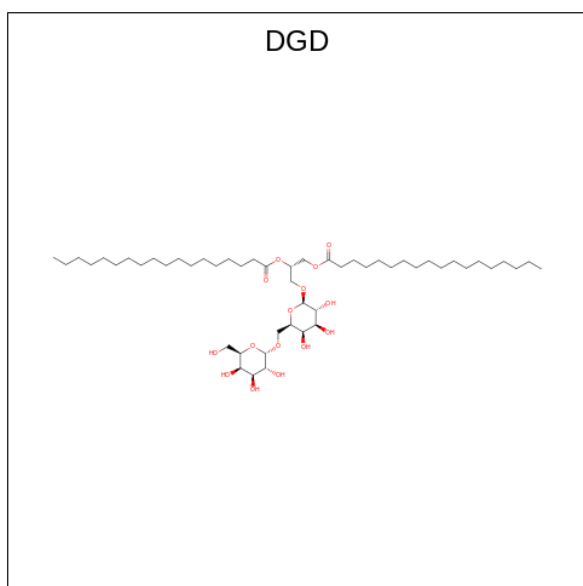
Mol	Chain	Residues	Atoms	AltConf
28	L	1	Total C 40 40	0
28	L	1	Total C 40 40	0
28	O	1	Total C 40 40	0
28	O	1	Total C 40 40	0
28	3	1	Total C 40 40	0
28	3	1	Total C 40 40	0
28	3	1	Total C 40 40	0
28	4	1	Total C 40 40	0
28	4	1	Total C 40 40	0
28	5	1	Total C 40 40	0
28	5	1	Total C 40 40	0
28	6	1	Total C 40 40	0
28	7	1	Total C 40 40	0
28	8	1	Total C 40 40	0
28	8	1	Total C 40 40	0

- Molecule 29 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe<sub>4</sub>S<sub>4</sub>).



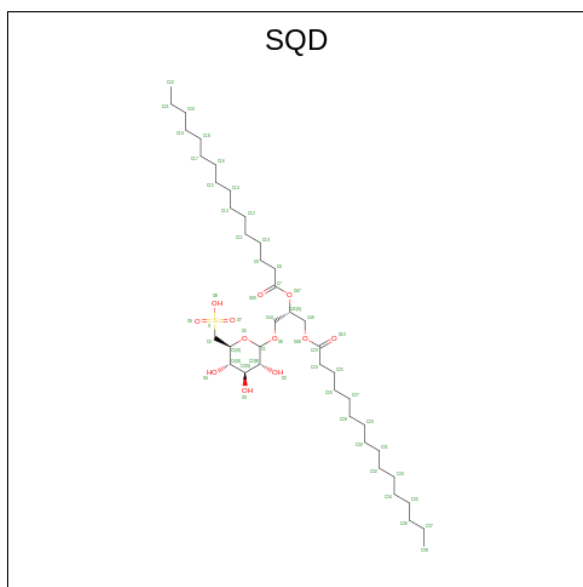
Mol	Chain	Residues	Atoms			AltConf
29	A	1	Total	Fe	S	0
			8	4	4	
29	C	1	Total	Fe	S	0
			8	4	4	
29	C	1	Total	Fe	S	0
			8	4	4	

- Molecule 30 is DIGALACTOSYL DIACYL GLYCEROL (DGDG) (three-letter code: DGD) (formula:  $C_{51}H_{96}O_{15}$ ).



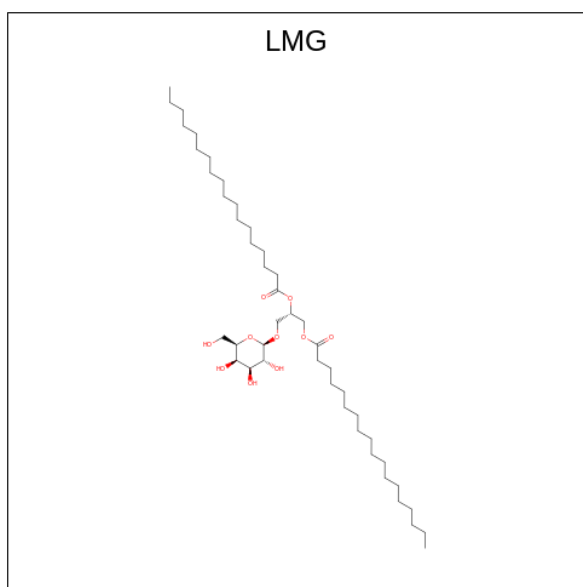
Mol	Chain	Residues	Atoms			AltConf
30	B	1	Total	C	O	0
			66	51	15	
30	B	1	Total	C	O	0
			57	42	15	

- Molecule 31 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSYL]-SN-GLYCEROL (three-letter code: SQD) (formula:  $C_{41}H_{78}O_{12}S$ ).



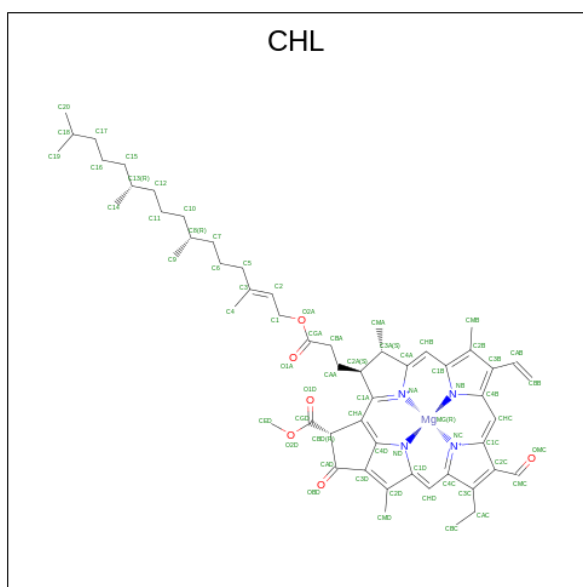
Mol	Chain	Residues	Atoms				AltConf
31	B	1	Total	C	O	S	0
			51	38	12	1	

- Molecule 32 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula:  $C_{45}H_{86}O_{10}$ ).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
32	H	1	47	37	10	0
32	J	1	40	30	10	0
32	J	1	35	25	10	0
32	J	1	55	45	10	0
32	1	1	46	36	10	0
32	2	1	41	31	10	0
32	4	1	40	30	10	0
32	6	1	40	30	10	0
32	7	1	35	25	10	0
32	7	1	36	26	10	0

- Molecule 33 is CHLOROPHYLL B (three-letter code: CHL) (formula:  $C_{55}H_{70}MgN_4O_6$ ).



Mol	Chain	Residues	Atoms				AltConf	
			Total	C	Mg	N		O
33	P	1	51	40	1	4	6	0
33	P	1	48	37	1	4	6	0
33	P	1	50	39	1	4	6	0
33	P	1	52	41	1	4	6	0
33	P	1	44	35	1	4	4	0
33	P	1	66	55	1	4	6	0
33	P	1	52	41	1	4	6	0
33	P	1	53	42	1	4	6	0
33	Q	1	51	40	1	4	6	0
33	Q	1	42	33	1	4	4	0
33	Q	1	50	39	1	4	6	0
33	Q	1	44	35	1	4	4	0
33	Q	1	66	55	1	4	6	0
33	R	1	51	40	1	4	6	0

*Continued on next page...*

*Continued from previous page...*

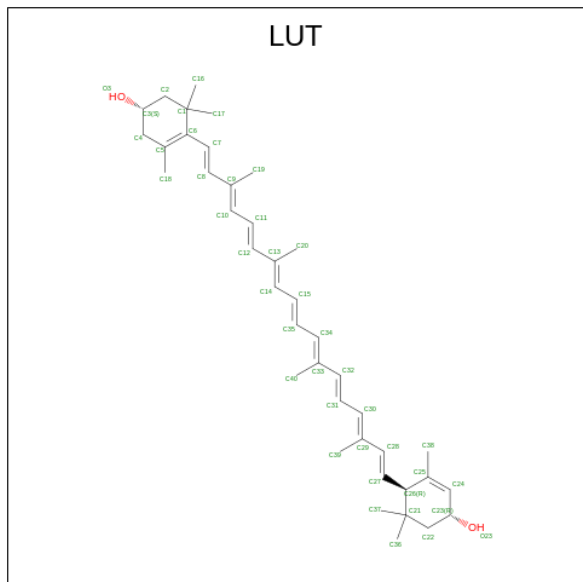
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
33	R	1	46	35	1	4	6	0
33	R	1	50	39	1	4	6	0
33	R	1	52	41	1	4	6	0
33	R	1	44	35	1	4	4	0
33	R	1	66	55	1	4	6	0
33	S	1	53	42	1	4	6	0
33	S	1	48	37	1	4	6	0
33	S	1	50	39	1	4	6	0
33	S	1	52	41	1	4	6	0
33	S	1	52	41	1	4	6	0
33	S	1	52	41	1	4	6	0
33	S	1	51	40	1	4	6	0
33	T	1	50	39	1	4	6	0
33	T	1	48	37	1	4	6	0
33	T	1	50	39	1	4	6	0
33	T	1	44	35	1	4	4	0
33	T	1	52	41	1	4	6	0
33	U	1	46	35	1	4	6	0
33	U	1	50	39	1	4	6	0
33	U	1	53	42	1	4	6	0
33	U	1	44	35	1	4	4	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					AltConf
33	U	1	Total	C	Mg	N	O	0
			48	37	1	4	6	
33	1	1	Total	C	Mg	N	O	0
			53	42	1	4	6	
33	1	1	Total	C	Mg	N	O	0
			48	37	1	4	6	
33	3	1	Total	C	Mg	N	O	0
			53	42	1	4	6	
33	4	1	Total	C	Mg	N	O	0
			42	33	1	4	4	
33	4	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
33	4	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
33	4	1	Total	C	Mg	N	O	0
			43	34	1	4	4	
33	4	1	Total	C	Mg	N	O	0
			53	42	1	4	6	
33	5	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
33	5	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
33	5	1	Total	C	Mg	N	O	0
			43	34	1	4	4	
33	6	1	Total	C	Mg	N	O	0
			53	42	1	4	6	
33	6	1	Total	C	Mg	N	O	0
			53	42	1	4	6	
33	6	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
33	6	1	Total	C	Mg	N	O	0
			43	34	1	4	4	
33	7	1	Total	C	Mg	N	O	0
			54	43	1	4	6	
33	8	1	Total	C	Mg	N	O	0
			53	42	1	4	6	
33	9	1	Total	C	Mg	N	O	0
			42	33	1	4	4	
33	9	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
33	a	1	Total	C	Mg	N	O	0
			48	37	1	4	6	

- Molecule 34 is (3R,3'R,6S)-4,5-DIDEHYDRO-5,6-DIHYDRO-BETA,BETA-CAROTENE-3,3'-DIOL (three-letter code: LUT) (formula: C<sub>40</sub>H<sub>56</sub>O<sub>2</sub>).



Mol	Chain	Residues	Atoms			AltConf
34	P	1	Total	C	O	0
			42	40	2	
34	P	1	Total	C	O	0
			42	40	2	
34	Q	1	Total	C	O	0
			42	40	2	
34	Q	1	Total	C	O	0
			42	40	2	
34	R	1	Total	C	O	0
			42	40	2	
34	R	1	Total	C	O	0
			42	40	2	
34	S	1	Total	C	O	0
			42	40	2	
34	S	1	Total	C	O	0
			42	40	2	
34	T	1	Total	C	O	0
			42	40	2	
34	T	1	Total	C	O	0
			42	40	2	
34	U	1	Total	C	O	0
			42	40	2	
34	U	1	Total	C	O	0
			42	40	2	

*Continued on next page...*



*Continued from previous page...*

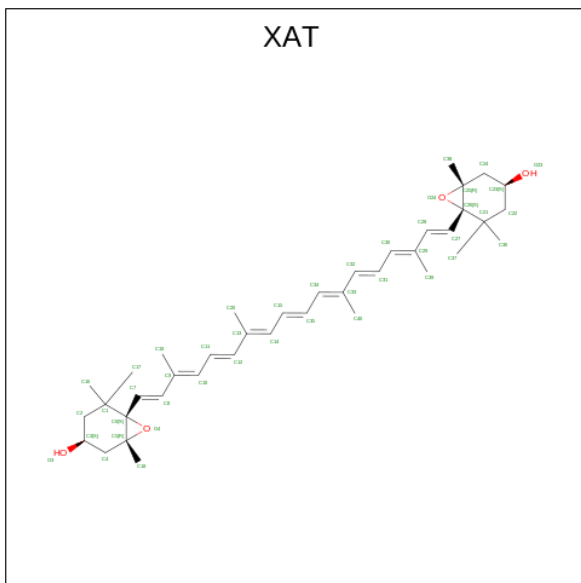
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
34	1	1	42	40	2	0
34	1	1	42	40	2	0
34	1	1	42	40	2	0
34	2	1	42	40	2	0
34	2	1	42	40	2	0
34	3	1	42	40	2	0
34	3	1	42	40	2	0
34	4	1	42	40	2	0
34	4	1	42	40	2	0
34	5	1	42	40	2	0
34	5	1	42	40	2	0
34	6	1	42	40	2	0
34	6	1	42	40	2	0
34	7	1	42	40	2	0
34	7	1	42	40	2	0
34	8	1	42	40	2	0
34	8	1	42	40	2	0
34	9	1	42	40	2	0
34	9	1	42	40	2	0
34	a	1	42	40	2	0
34	a	1	42	40	2	0

*Continued on next page...*

Continued from previous page...

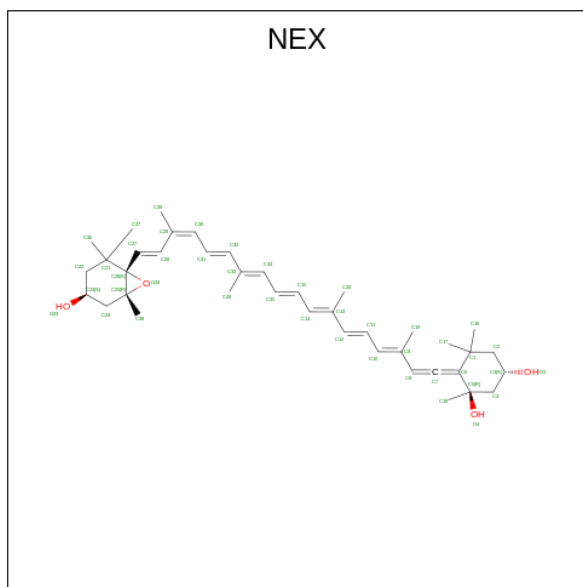
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
34	a	1	42	40	2	0

- Molecule 35 is (3S,5R,6S,3'S,5'R,6'S)-5,6,5',6'-DIEPOXY-5,6,5',6'-TETRAHYDRO-BETA, BETA-CAROTENE-3,3'-DIOL (three-letter code: XAT) (formula: C<sub>40</sub>H<sub>56</sub>O<sub>4</sub>).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
35	P	1	44	40	4	0
35	P	1	44	40	4	0
35	P	1	43	39	4	0
35	Q	1	44	40	4	0
35	S	1	44	40	4	0
35	T	1	44	40	4	0

- Molecule 36 is (1R,3R)-6-[(3E,5E,7E,9E,11E,13E,15E,17E)-18-[(1S,4R,6R)-4-HYDROXY-2,2,6-TRIMETHYL-7-OXABICYCLO[4.1.0]HEPT-1-YL]-3,7,12,16-TETRAMETHYLOCTA DECA-1,3,5,7,9,11,13,15,17-NONAENYLIDENE]-1,5,5-TRIMETHYLCYCLOHEXANE-1,3-DIOL (three-letter code: NEX) (formula: C<sub>40</sub>H<sub>56</sub>O<sub>4</sub>).

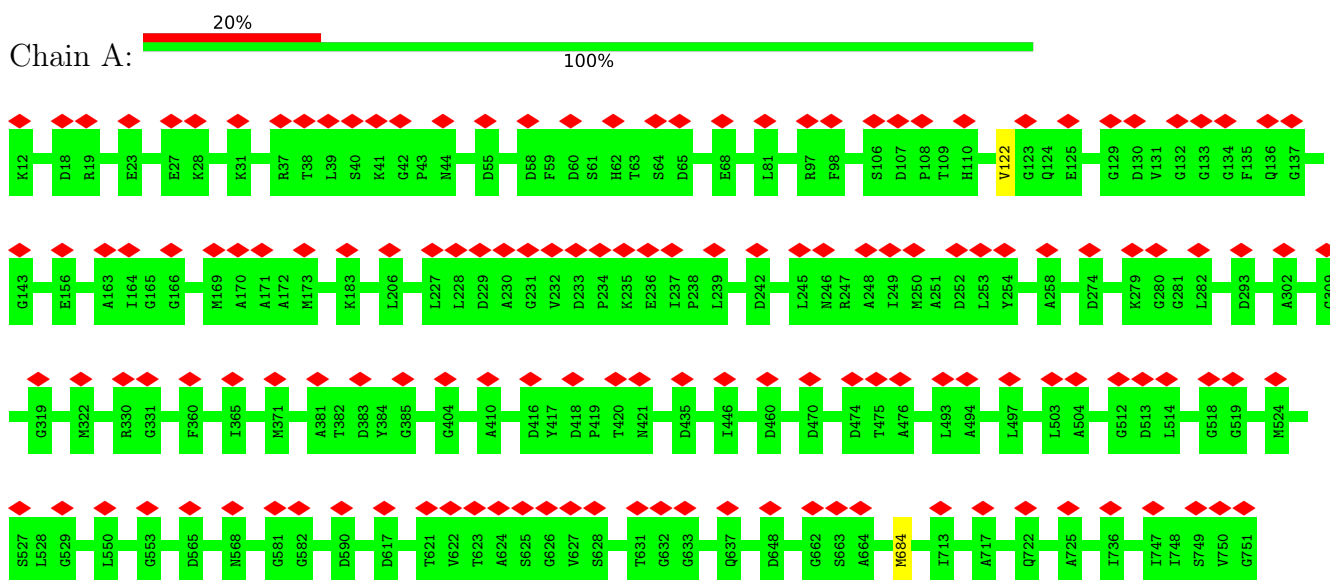


Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
36	P	1	44	40	4	0
36	P	1	44	40	4	0
36	R	1	44	40	4	0
36	T	1	44	40	4	0
36	U	1	44	40	4	0
36	U	1	44	40	4	0

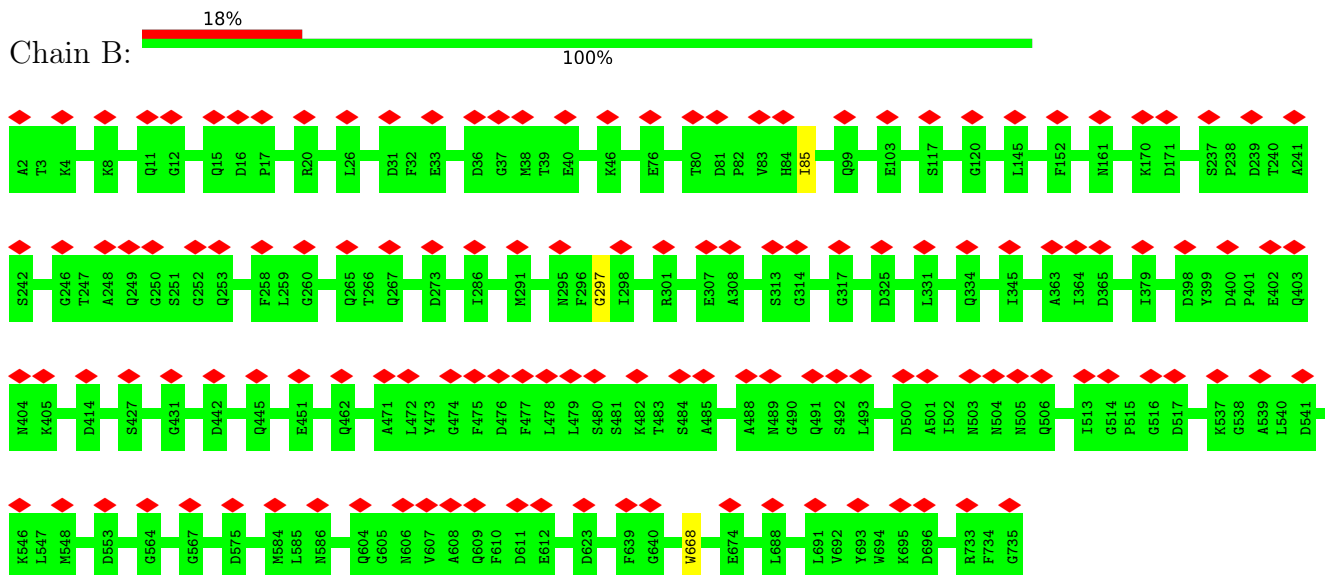
### 3 Residue-property plots

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

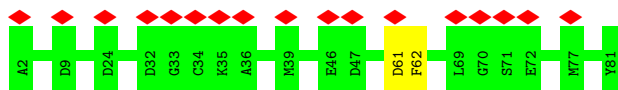
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



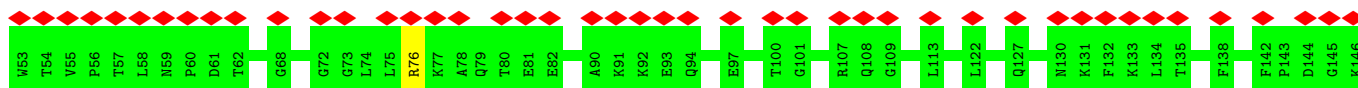
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



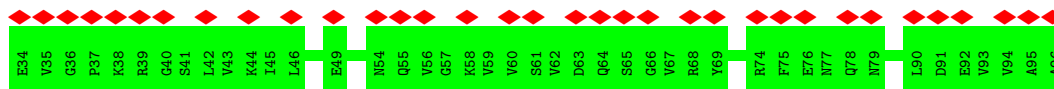
- Molecule 3: Photosystem I iron-sulfur center



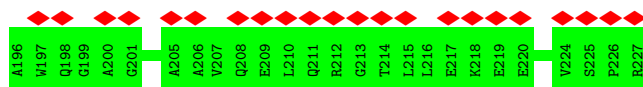
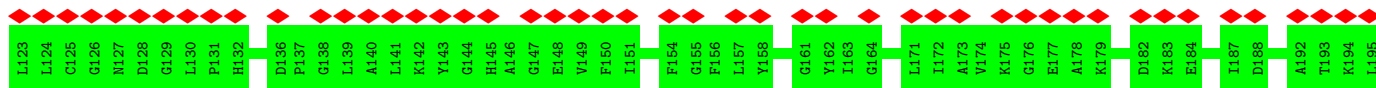
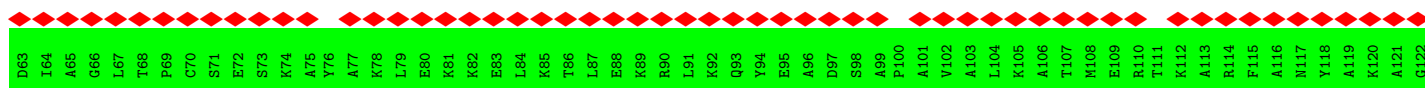
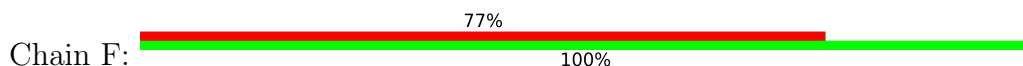
- Molecule 4: Photosystem I reaction center subunit II, chloroplastic



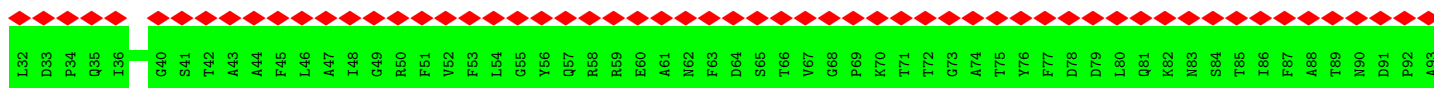
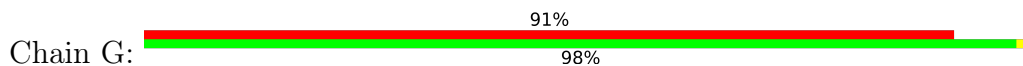
- Molecule 5: Photosystem I reaction center subunit IV, chloroplastic



- Molecule 6: Photosystem I reaction center subunit F, Photosystem I reaction center subunit III, chloroplastic

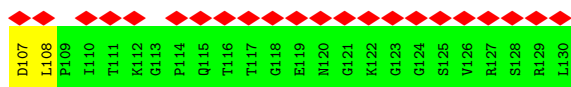
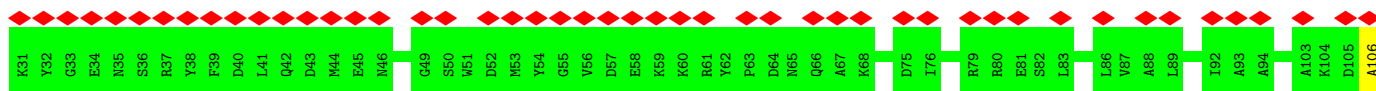


- Molecule 7: Photosystem I reaction center subunit V, chloroplastic

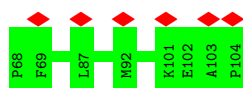




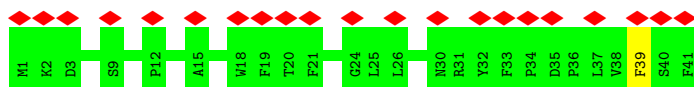
- Molecule 8: Photosystem I reaction center subunit VI, chloroplastic



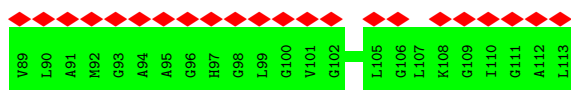
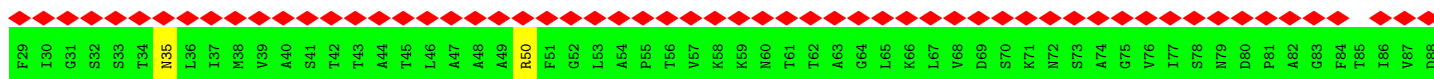
- Molecule 9: Photosystem I reaction center subunit VIII



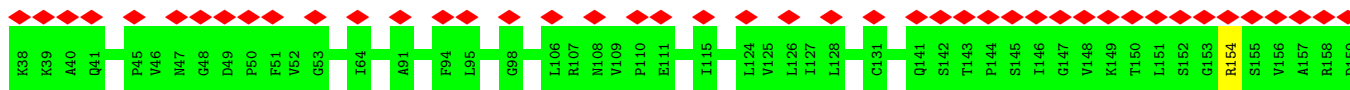
- Molecule 10: Photosystem I reaction center subunit IX

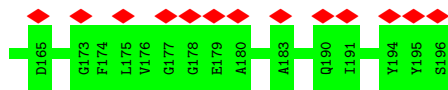


- Molecule 11: Photosystem I reaction center subunit psaK, chloroplastic

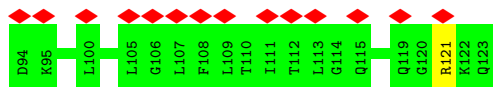
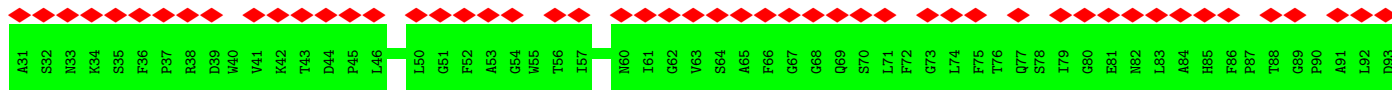


- Molecule 12: PSI subunit V

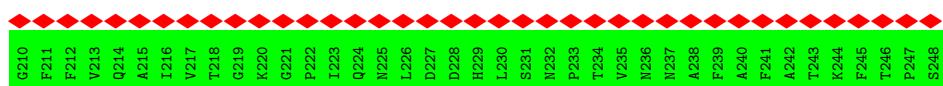
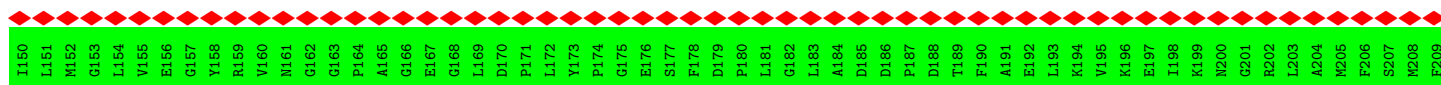
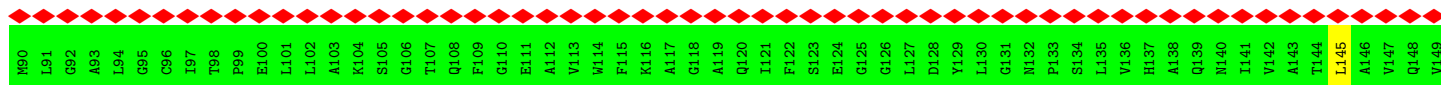
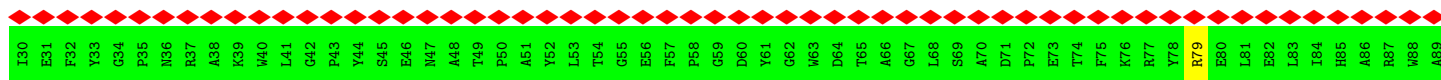




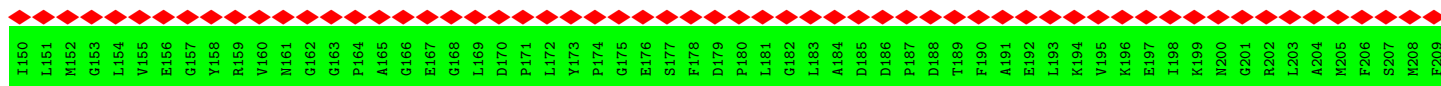
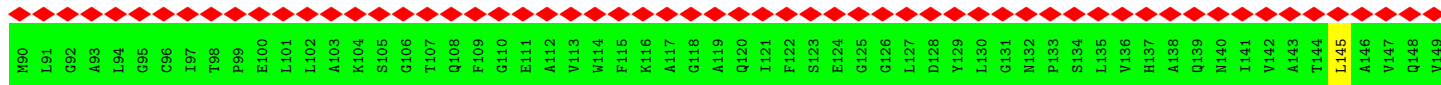
• Molecule 13: Photosystem I subunit O

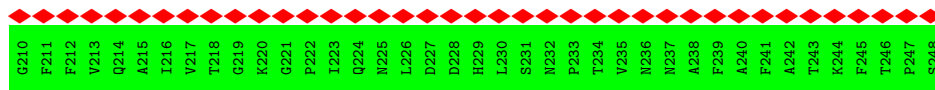


• Molecule 14: Chlorophyll a-b binding protein, chloroplastic

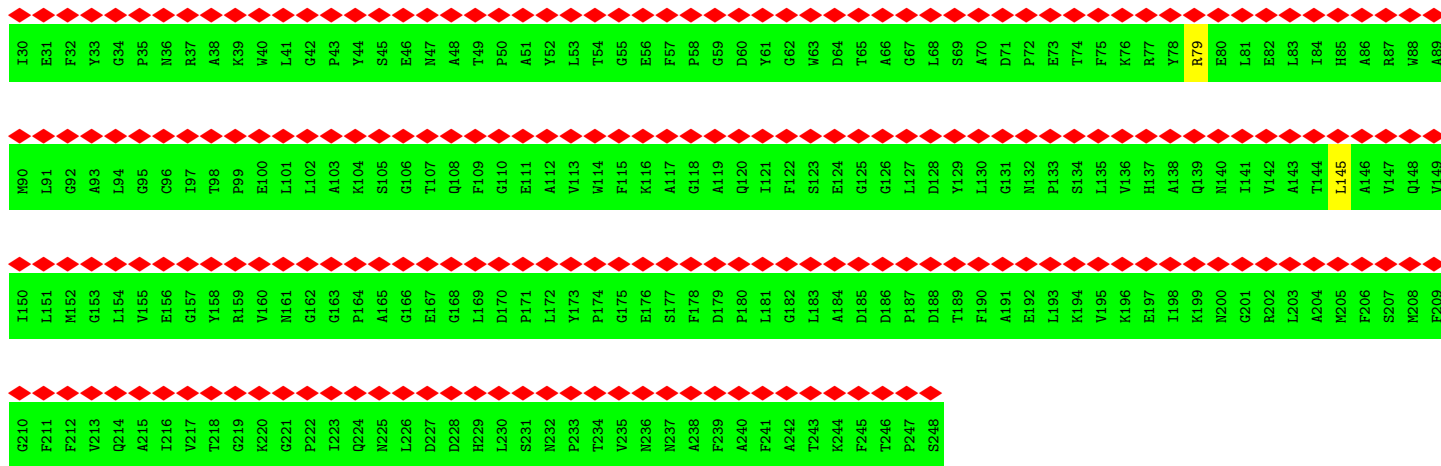


• Molecule 14: Chlorophyll a-b binding protein, chloroplastic

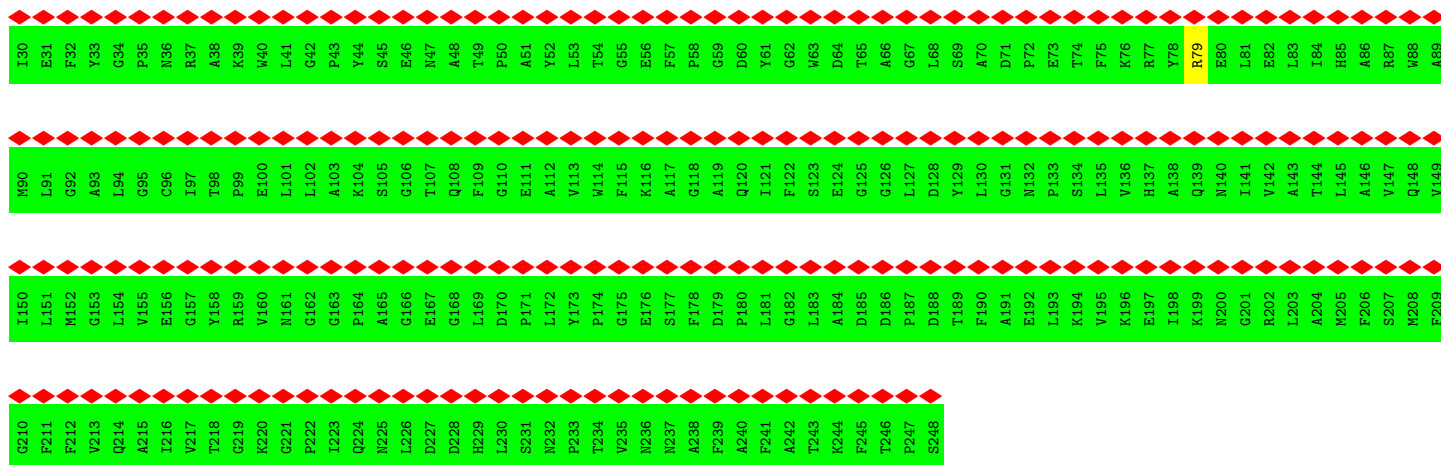




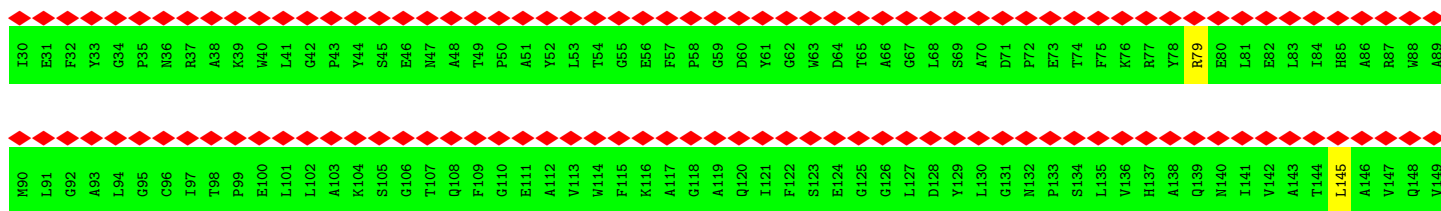
• Molecule 14: Chlorophyll a-b binding protein, chloroplastic



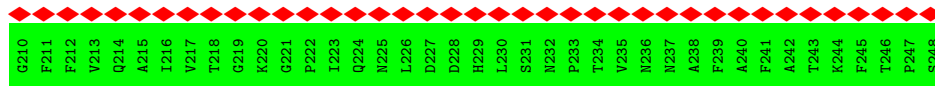
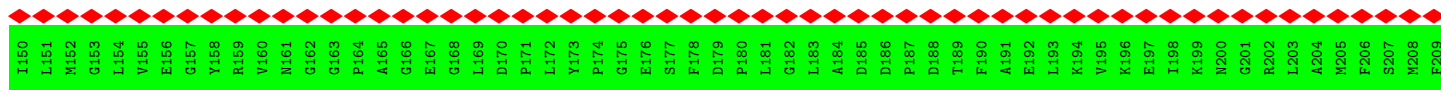
• Molecule 14: Chlorophyll a-b binding protein, chloroplastic



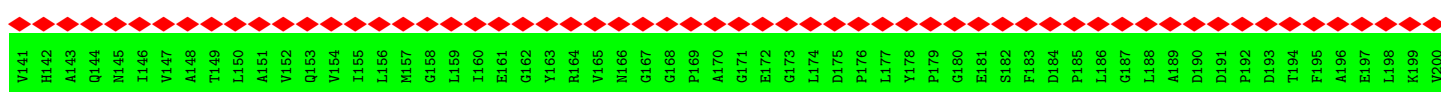
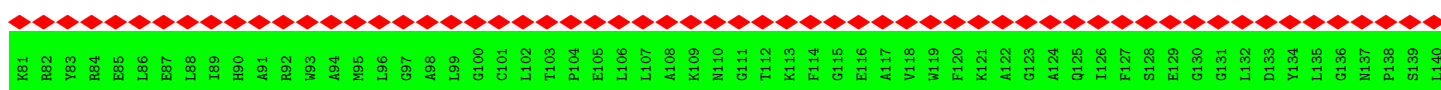
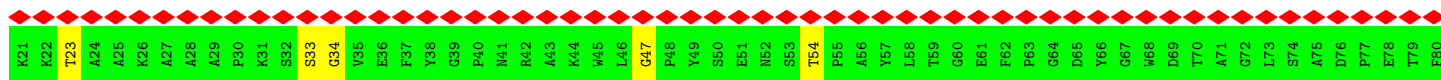
• Molecule 14: Chlorophyll a-b binding protein, chloroplastic



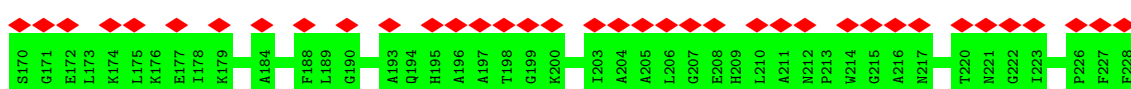
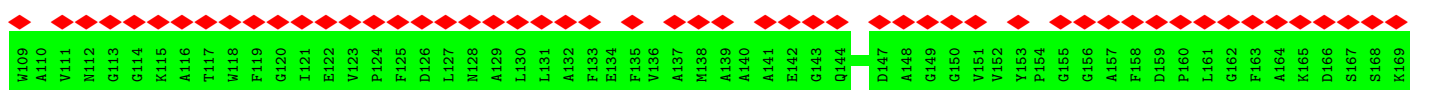
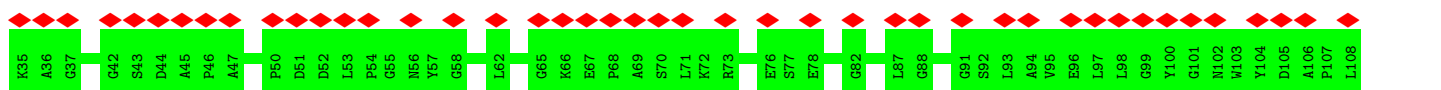




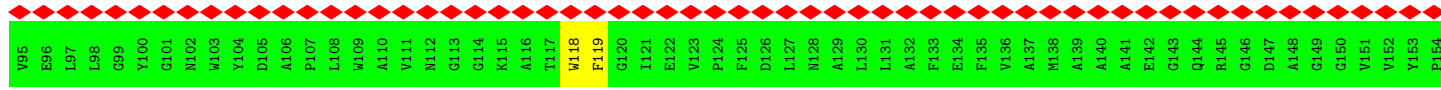
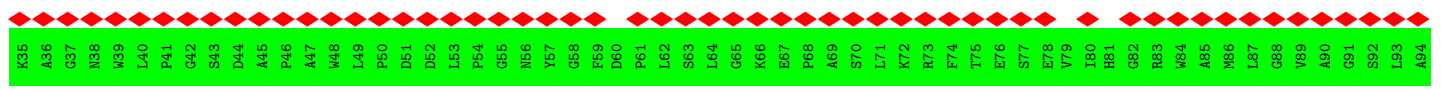
• Molecule 15: Chlorophyll a-b binding protein, chloroplastic

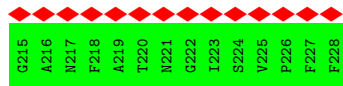
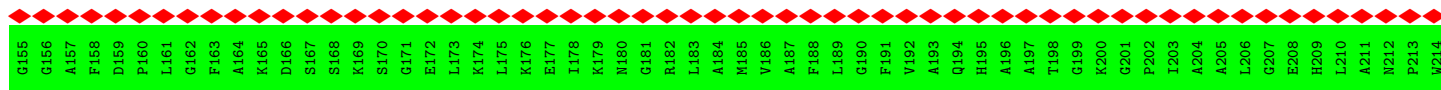


• Molecule 16: Chlorophyll a-b binding protein, chloroplastic

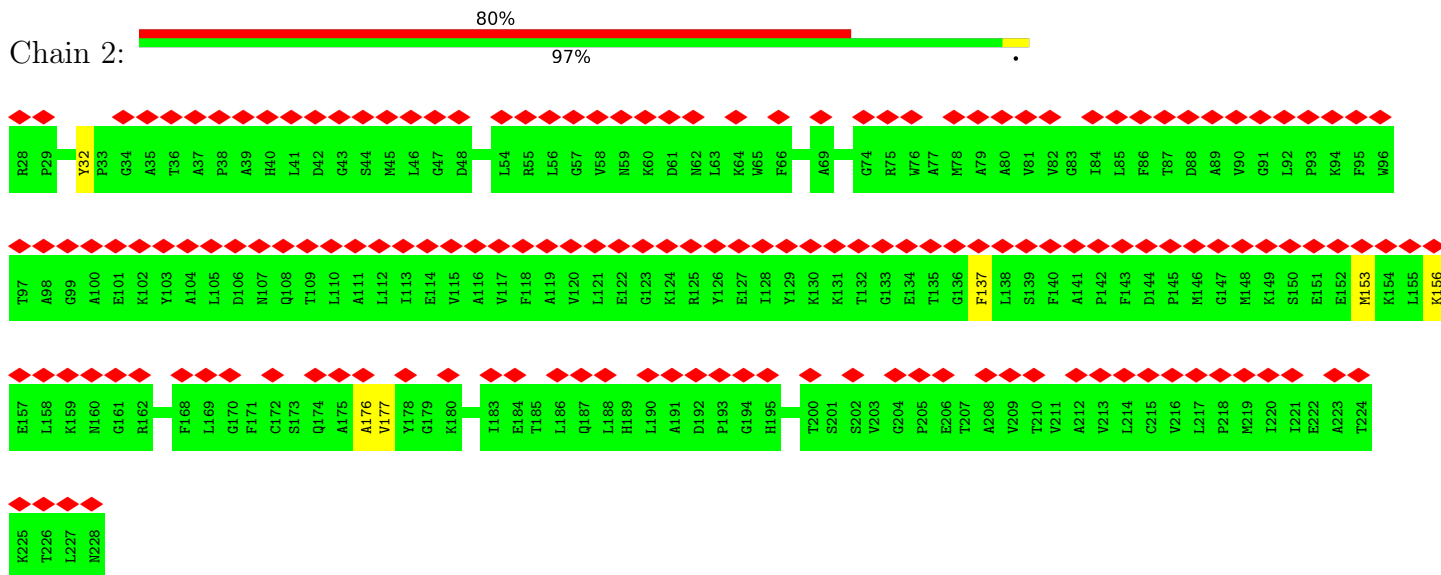


• Molecule 16: Chlorophyll a-b binding protein, chloroplastic

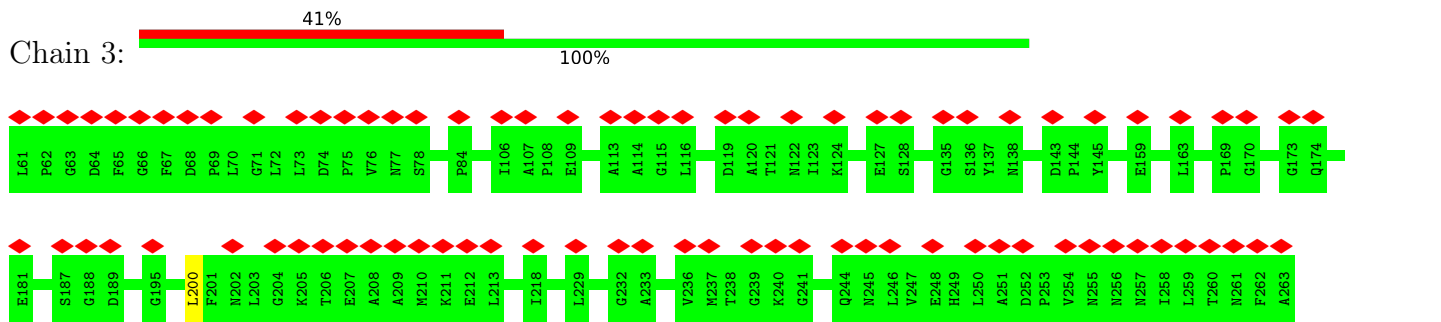




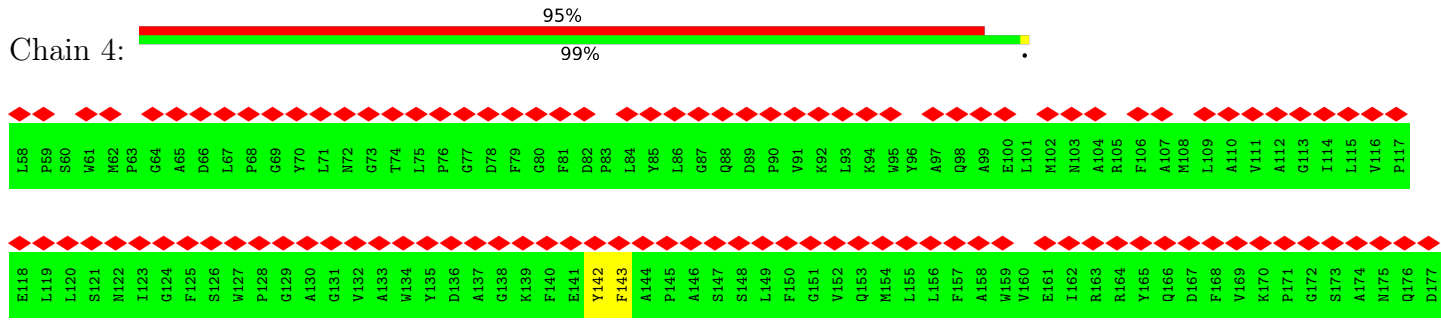
• Molecule 17: Chlorophyll a-b binding protein, chloroplastic

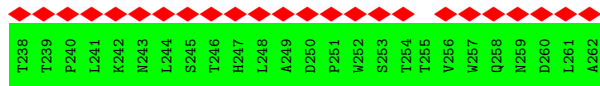
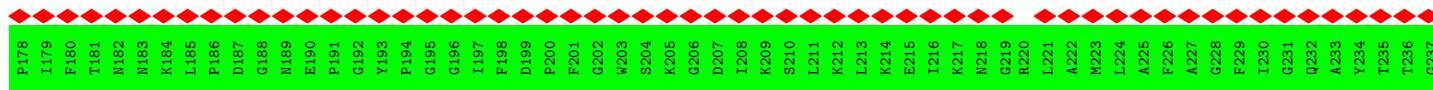


• Molecule 18: Chlorophyll a-b binding protein, chloroplastic

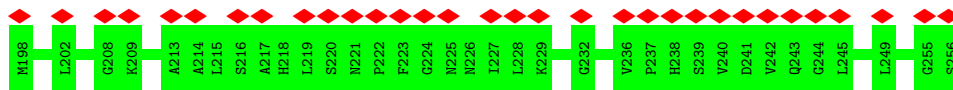
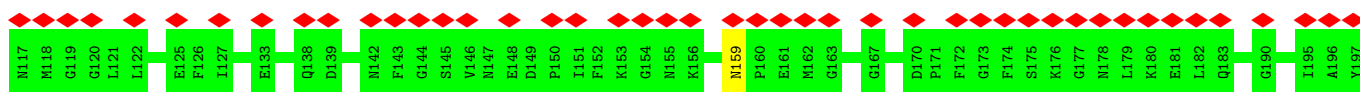
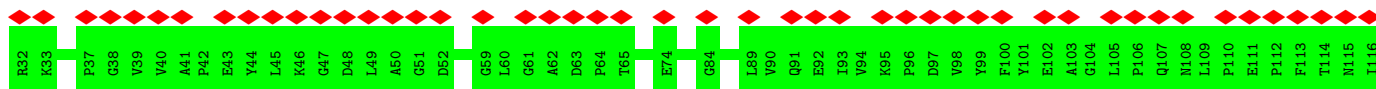


• Molecule 19: Chlorophyll a-b binding protein, chloroplastic

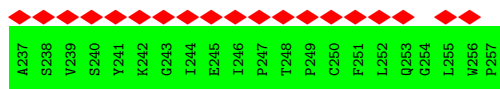
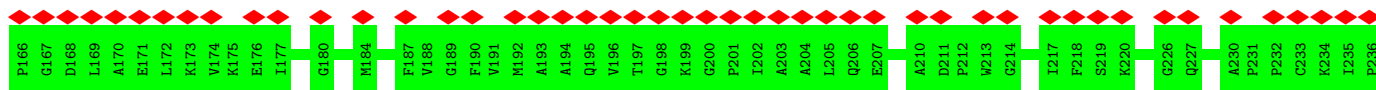
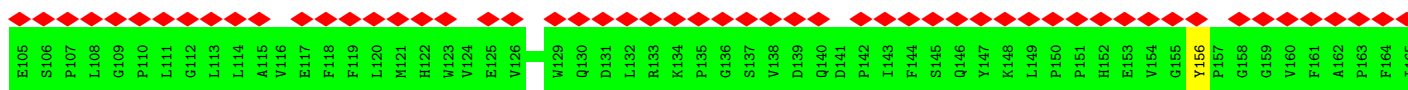
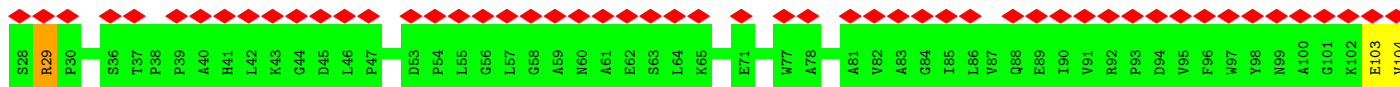




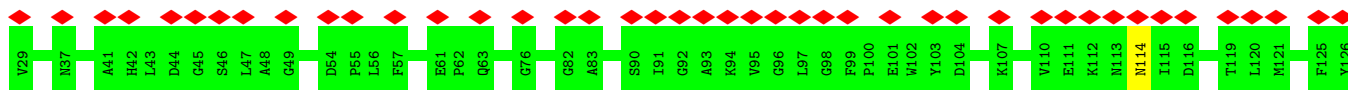
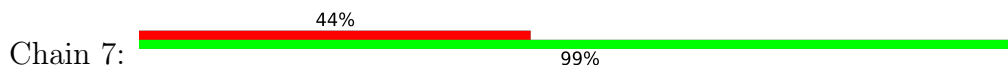
• Molecule 20: Chlorophyll a-b binding protein, chloroplastic

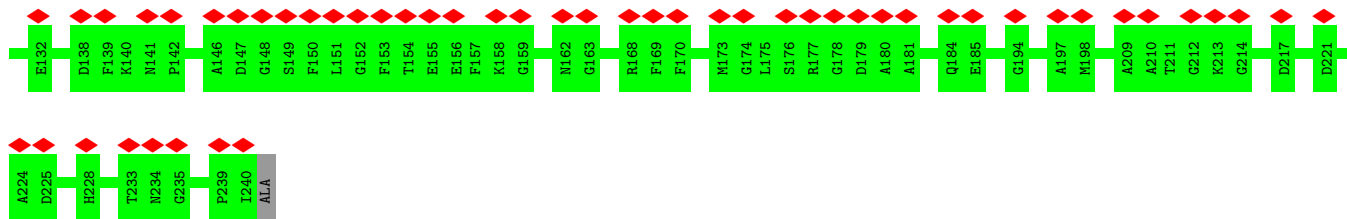


• Molecule 21: Chlorophyll a-b binding protein, chloroplastic

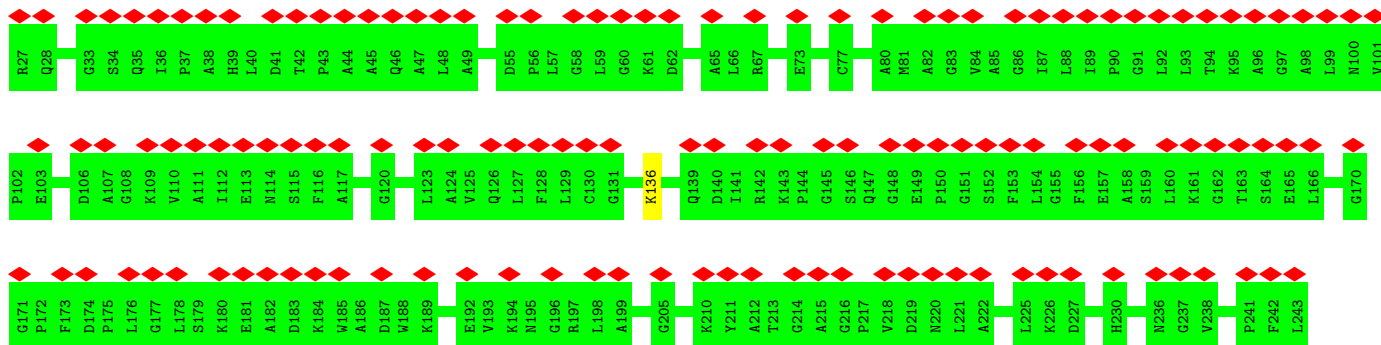


• Molecule 22: Chlorophyll a-b binding protein, chloroplastic

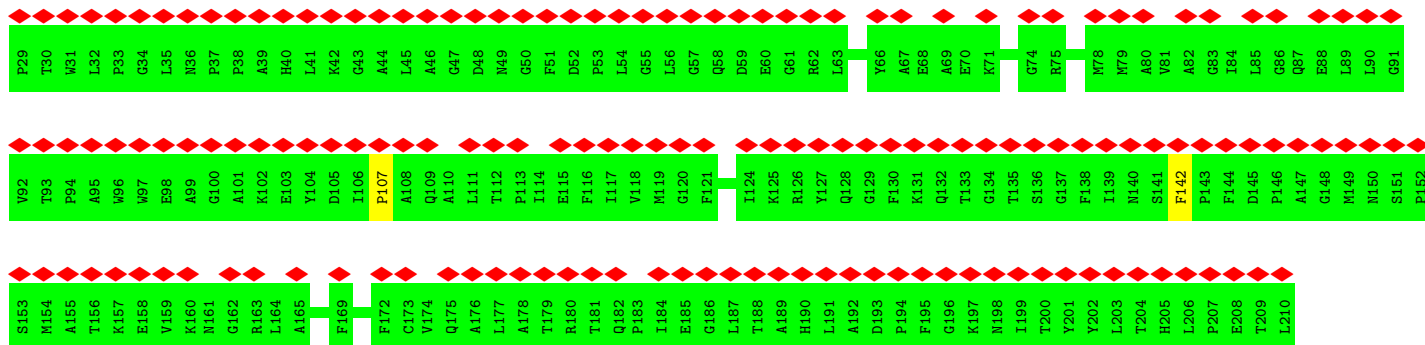




• Molecule 23: Chlorophyll a-b binding protein, chloroplastic



• Molecule 24: Chlorophyll a-b binding protein, chloroplastic



## 4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	283763	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	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	5.004	Depositor
Minimum map value	-1.725	Depositor
Average map value	-0.002	Depositor
Map value standard deviation	0.085	Depositor
Recommended contour level	1	Depositor
Map size (Å)	470.52002, 470.52002, 470.52002	wwPDB
Map dimensions	360, 360, 360	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.307, 1.307, 1.307	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: PQN, LUT, SQD, CLA, SF4, TPO, LHG, LMG, CHL, DGD, NEX, XAT, BCR

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z  > 5$	RMSZ	# $ Z  > 5$
1	A	0.57	0/6007	0.57	1/8190 (0.0%)
2	B	0.59	0/6040	0.57	0/8247
3	C	0.62	0/610	0.60	0/826
4	D	0.51	0/1160	0.60	2/1567 (0.1%)
5	E	0.52	0/506	0.48	0/689
6	F	0.46	0/1291	0.55	0/1747
7	G	0.43	0/693	0.58	1/943 (0.1%)
8	H	0.47	0/785	0.63	0/1055
9	I	0.58	0/293	0.56	0/406
10	J	0.48	0/349	0.53	0/478
11	K	0.38	0/583	0.60	0/790
12	L	0.53	0/1190	0.61	0/1628
13	O	0.49	0/743	0.65	0/1013
14	P	0.33	0/1717	0.54	1/2339 (0.0%)
14	Q	0.32	0/1717	0.52	1/2339 (0.0%)
14	R	0.31	0/1717	0.52	1/2339 (0.0%)
14	T	0.28	0/1717	0.50	0/2339
14	U	0.30	0/1717	0.51	1/2339 (0.0%)
15	S	0.40	0/1748	0.63	1/2376 (0.0%)
16	1	0.43	0/1490	0.51	0/2028
16	a	0.68	6/1490 (0.4%)	0.63	5/2028 (0.2%)
17	2	0.49	0/1583	0.72	2/2148 (0.1%)
18	3	0.52	0/1606	0.59	1/2180 (0.0%)
19	4	0.41	0/1645	0.54	0/2246
20	5	0.51	0/1812	0.56	0/2469
21	6	0.50	1/1833 (0.1%)	0.56	0/2505
22	7	0.52	0/1696	0.54	0/2303
23	8	0.51	0/1700	0.57	1/2315 (0.0%)
24	9	0.41	0/1433	0.56	0/1949
All	All	0.49	7/46871 (0.0%)	0.57	18/63821 (0.0%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
2	B	0	2
3	C	0	2
10	J	0	1
15	S	0	1
17	2	0	2
19	4	0	2
21	6	0	1
22	7	0	1
24	9	0	1
All	All	0	13

All (7) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	118	TRP	CB-CG	-11.53	1.29	1.50
16	a	118	TRP	CE2-CZ2	-9.35	1.23	1.39
16	a	118	TRP	NE1-CE2	8.79	1.49	1.37
16	a	118	TRP	CE3-CZ3	-8.03	1.24	1.38
16	a	118	TRP	CG-CD2	-6.54	1.32	1.43
21	6	156	TYR	CD2-CE2	-6.28	1.29	1.39
16	a	118	TRP	CZ3-CH2	-5.13	1.31	1.40

All (18) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	153	MET	CG-SD-CE	-10.21	83.86	100.20
23	8	136	LYS	CD-CE-NZ	-9.85	89.04	111.70
16	a	118	TRP	CD1-NE1-CE2	-9.59	100.37	109.00
1	A	684	MET	CG-SD-CE	-9.56	84.90	100.20
4	D	76	ARG	NE-CZ-NH1	-7.66	116.47	120.30
18	3	200	LEU	CA-CB-CG	6.38	129.97	115.30
15	S	34	GLY	N-CA-C	-5.92	98.31	113.10
16	a	118	TRP	CH2-CZ2-CE2	-5.88	111.52	117.40
16	a	118	TRP	CE2-CD2-CG	5.88	112.00	107.30
14	P	145	LEU	CA-CB-CG	5.82	128.69	115.30
14	R	145	LEU	CA-CB-CG	5.79	128.61	115.30
14	Q	145	LEU	CA-CB-CG	5.61	128.20	115.30
7	G	120	LEU	CA-CB-CG	5.48	127.90	115.30

*Continued on next page...*

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	a	118	TRP	CG-CD1-NE1	5.46	115.56	110.10
17	2	156	LYS	CD-CE-NZ	5.46	124.25	111.70
4	D	189	ARG	NE-CZ-NH2	-5.43	117.59	120.30
14	U	145	LEU	CA-CB-CG	5.36	127.62	115.30
16	a	118	TRP	CD2-CE2-CZ2	5.16	128.49	122.30

There are no chirality outliers.

All (13) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
17	2	137	PHE	Peptide
17	2	32	TYR	Peptide
19	4	142	TYR	Mainchain,Peptide
21	6	29	ARG	Peptide
22	7	114	ASN	Peptide
24	9	142	PHE	Peptide
2	B	297	GLY	Peptide
2	B	668	TRP	Peptide
3	C	61	ASP	Peptide
3	C	62	PHE	Peptide
10	J	39	PHE	Peptide
15	S	33	SER	Mainchain

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

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

## 5.3 Torsion angles [i](#)

### 5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	738/740 (100%)	698 (95%)	39 (5%)	1 (0%)	48 78

Continued on next page...



Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	B	732/734 (100%)	675 (92%)	56 (8%)	1 (0%)	48	78
3	C	78/80 (98%)	73 (94%)	5 (6%)	0	100	100
4	D	142/144 (99%)	127 (89%)	15 (11%)	0	100	100
5	E	61/63 (97%)	56 (92%)	5 (8%)	0	100	100
6	F	163/165 (99%)	152 (93%)	11 (7%)	0	100	100
7	G	89/91 (98%)	83 (93%)	6 (7%)	0	100	100
8	H	98/100 (98%)	77 (79%)	18 (18%)	3 (3%)	3	19
9	I	35/37 (95%)	33 (94%)	2 (6%)	0	100	100
10	J	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
11	K	83/85 (98%)	77 (93%)	6 (7%)	0	100	100
12	L	157/159 (99%)	145 (92%)	12 (8%)	0	100	100
13	O	91/93 (98%)	76 (84%)	15 (16%)	0	100	100
14	P	217/219 (99%)	189 (87%)	28 (13%)	0	100	100
14	Q	217/219 (99%)	189 (87%)	28 (13%)	0	100	100
14	R	217/219 (99%)	189 (87%)	28 (13%)	0	100	100
14	T	217/219 (99%)	190 (88%)	27 (12%)	0	100	100
14	U	217/219 (99%)	190 (88%)	27 (12%)	0	100	100
15	S	230/234 (98%)	192 (84%)	36 (16%)	2 (1%)	14	43
16	1	192/194 (99%)	176 (92%)	16 (8%)	0	100	100
16	a	192/194 (99%)	175 (91%)	16 (8%)	1 (0%)	25	55
17	2	199/201 (99%)	169 (85%)	28 (14%)	2 (1%)	13	40
18	3	201/203 (99%)	181 (90%)	20 (10%)	0	100	100
19	4	203/205 (99%)	186 (92%)	16 (8%)	1 (0%)	25	55
20	5	223/225 (99%)	200 (90%)	23 (10%)	0	100	100
21	6	228/230 (99%)	209 (92%)	16 (7%)	3 (1%)	10	34
22	7	210/213 (99%)	195 (93%)	15 (7%)	0	100	100
23	8	215/217 (99%)	204 (95%)	11 (5%)	0	100	100
24	9	180/182 (99%)	154 (86%)	25 (14%)	1 (1%)	22	51
All	All	5864/5925 (99%)	5297 (90%)	552 (9%)	15 (0%)	38	67

All (15) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	122	VAL
21	6	104	VAL
8	H	106	ALA
19	4	143	PHE
15	S	54	THR
21	6	103	GLU
21	6	29	ARG
16	a	119	PHE
17	2	176	ALA
17	2	177	VAL
8	H	107	ASP
8	H	108	LEU
2	B	85	ILE
15	S	47	GLY
24	9	107	PRO

### 5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all 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	600/600 (100%)	600 (100%)	0	100	100
2	B	596/596 (100%)	596 (100%)	0	100	100
3	C	69/69 (100%)	69 (100%)	0	100	100
4	D	121/121 (100%)	120 (99%)	1 (1%)	79	87
5	E	54/54 (100%)	54 (100%)	0	100	100
6	F	127/127 (100%)	127 (100%)	0	100	100
7	G	68/68 (100%)	67 (98%)	1 (2%)	60	76
8	H	80/81 (99%)	80 (100%)	0	100	100
9	I	31/31 (100%)	31 (100%)	0	100	100
10	J	37/37 (100%)	37 (100%)	0	100	100
11	K	59/59 (100%)	57 (97%)	2 (3%)	32	57
12	L	121/121 (100%)	120 (99%)	1 (1%)	79	87
13	O	75/75 (100%)	74 (99%)	1 (1%)	65	78

*Continued on next page...*

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
14	P	168/170 (99%)	167 (99%)	1 (1%)	84	90
14	Q	168/170 (99%)	167 (99%)	1 (1%)	84	90
14	R	168/170 (99%)	167 (99%)	1 (1%)	84	90
14	T	168/170 (99%)	167 (99%)	1 (1%)	84	90
14	U	168/170 (99%)	167 (99%)	1 (1%)	84	90
15	S	164/177 (93%)	164 (100%)	0	100	100
16	1	137/137 (100%)	137 (100%)	0	100	100
16	a	137/137 (100%)	137 (100%)	0	100	100
17	2	159/159 (100%)	159 (100%)	0	100	100
18	3	155/155 (100%)	155 (100%)	0	100	100
19	4	161/162 (99%)	161 (100%)	0	100	100
20	5	182/182 (100%)	181 (100%)	1 (0%)	86	92
21	6	184/184 (100%)	184 (100%)	0	100	100
22	7	164/164 (100%)	164 (100%)	0	100	100
23	8	163/163 (100%)	163 (100%)	0	100	100
24	9	139/140 (99%)	139 (100%)	0	100	100
All	All	4623/4649 (99%)	4611 (100%)	12 (0%)	90	95

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

Mol	Chain	Res	Type
4	D	189	ARG
7	G	118	ASN
11	K	35	ASN
11	K	50	ARG
12	L	154	ARG
13	O	121	ARG
14	P	79	ARG
14	Q	79	ARG
14	R	79	ARG
14	T	79	ARG
14	U	79	ARG
20	5	159	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (12) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	217	GLN
1	A	489	ASN
2	B	445	GLN
4	D	170	GLN
8	H	66	GLN
12	L	41	GLN
14	Q	85	HIS
15	S	153	GLN
17	2	62	ASN
20	5	117	ASN
20	5	205	GLN
24	9	128	GLN

### 5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

1 non-standard protein/DNA/RNA residue is 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	$\# Z  > 2$
15	TPO	S	23	15	8,10,11	0.88	0	10,14,16	1.70	1 (10%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	TPO	S	23	15	-	3/9/11/13	-

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	S	23	TPO	P-OG1-CB	-4.90	108.41	123.21

There are no chirality outliers.

All (3) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
15	S	23	TPO	N-CA-CB-OG1
15	S	23	TPO	C-CA-CB-CG2
15	S	23	TPO	CB-OG1-P-O1P

There are no ring outliers.

No monomer is involved in short contacts.

## 5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

## 5.6 Ligand geometry [i](#)

453 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	$\# Z  > 2$
25	CLA	L	206	-	42,50,73	1.78	10 (23%)	48,85,113	1.64	6 (12%)
25	CLA	4	303	-	50,58,73	1.62	10 (20%)	58,95,113	1.57	8 (13%)
25	CLA	B	816	-	60,68,73	1.53	11 (18%)	70,107,113	1.55	9 (12%)
25	CLA	Q	611	-	60,68,73	1.60	7 (11%)	70,107,113	1.43	11 (15%)
25	CLA	3	301	-	60,68,73	1.53	10 (16%)	70,107,113	1.47	8 (11%)
25	CLA	5	312	-	52,60,73	1.68	9 (17%)	60,97,113	1.52	8 (13%)
25	CLA	U	310	-	64,72,73	1.51	5 (7%)	74,111,113	1.40	8 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	2	306	17	41,49,73	1.85	9 (21%)	47,84,113	1.78	10 (21%)
25	CLA	H	205	12	42,50,73	1.75	9 (21%)	48,85,113	1.99	9 (18%)
34	LUT	2	316	-	42,43,43	0.86	1 (2%)	51,60,60	1.66	13 (25%)
25	CLA	A	836	-	65,73,73	1.51	10 (15%)	76,113,113	1.44	7 (9%)
25	CLA	A	803	-	65,73,73	1.46	10 (15%)	76,113,113	1.37	7 (9%)
32	LMG	J	102	-	40,40,55	0.99	2 (5%)	48,48,63	1.11	5 (10%)
33	CHL	S	307	-	50,58,74	2.24	16 (32%)	52,94,114	2.84	22 (42%)
25	CLA	A	811	-	65,73,73	1.48	10 (15%)	76,113,113	1.49	8 (10%)
25	CLA	B	807	-	65,73,73	1.46	10 (15%)	76,113,113	1.59	10 (13%)
34	LUT	U	315	-	42,43,43	0.78	0	51,60,60	1.81	17 (33%)
25	CLA	K	203	-	46,54,73	1.73	10 (21%)	53,90,113	1.57	7 (13%)
25	CLA	T	612	-	48,56,73	1.73	5 (10%)	55,92,113	1.59	7 (12%)
25	CLA	A	825	-	65,73,73	1.50	10 (15%)	76,113,113	1.47	12 (15%)
25	CLA	1	610	27	65,73,73	1.48	10 (15%)	76,113,113	1.31	8 (10%)
33	CHL	a	305	-	48,56,74	2.23	17 (35%)	51,92,114	2.76	21 (41%)
34	LUT	1	616	-	42,43,43	0.95	2 (4%)	51,60,60	1.84	18 (35%)
25	CLA	6	604	-	46,54,73	1.74	9 (19%)	53,90,113	1.55	7 (13%)
25	CLA	A	851	-	65,73,73	1.46	10 (15%)	76,113,113	1.37	8 (10%)
25	CLA	O	203	-	37,46,73	1.94	8 (21%)	46,81,113	1.79	9 (19%)
25	CLA	Q	603	-	65,73,73	1.51	6 (9%)	76,113,113	1.48	8 (10%)
25	CLA	2	310	-	41,49,73	1.83	9 (21%)	47,84,113	1.60	7 (14%)
25	CLA	S	312	-	60,68,73	1.52	6 (10%)	70,107,113	1.41	7 (10%)
34	LUT	a	315	-	42,43,43	0.87	0	51,60,60	1.83	15 (29%)
25	CLA	L	201	-	65,73,73	1.45	10 (15%)	76,113,113	1.40	6 (7%)
35	XAT	P	616	-	39,47,47	0.93	0	54,74,74	3.03	20 (37%)
25	CLA	T	603	-	50,58,73	1.69	5 (10%)	58,95,113	1.60	8 (13%)
25	CLA	A	819	-	65,73,73	1.50	10 (15%)	76,113,113	1.49	8 (10%)
25	CLA	8	303	-	62,70,73	1.53	11 (17%)	72,109,113	1.44	6 (8%)
33	CHL	R	607	-	52,60,74	2.13	17 (32%)	56,97,114	2.83	27 (48%)
28	BCR	6	621	-	41,41,41	0.83	1 (2%)	56,56,56	2.23	18 (32%)
25	CLA	6	615	21	46,54,73	1.70	9 (19%)	53,90,113	1.67	9 (16%)
25	CLA	B	815	-	59,67,73	1.59	11 (18%)	68,105,113	1.60	11 (16%)
33	CHL	R	606	-	50,58,74	2.16	17 (34%)	52,94,114	2.82	24 (46%)
25	CLA	9	308	-	50,58,73	1.68	9 (18%)	58,95,113	1.59	10 (17%)
25	CLA	a	307	-	65,73,73	1.48	8 (12%)	76,113,113	1.33	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
33	CHL	S	321	-	51,59,74	2.16	17 (33%)	55,96,114	2.86	25 (45%)
25	CLA	A	808	-	65,73,73	1.49	9 (13%)	76,113,113	1.40	9 (11%)
33	CHL	P	608	-	44,52,74	2.20	16 (36%)	46,87,114	2.91	22 (47%)
33	CHL	6	607	-	53,61,74	2.02	15 (28%)	57,98,114	2.80	25 (43%)
25	CLA	1	611	-	52,60,73	1.66	10 (19%)	60,97,113	1.49	8 (13%)
25	CLA	7	312	-	43,51,73	1.78	10 (23%)	49,86,113	1.64	7 (14%)
25	CLA	G	201	-	50,58,73	1.67	9 (18%)	58,95,113	1.54	9 (15%)
33	CHL	R	601	-	51,59,74	2.29	17 (33%)	55,96,114	2.78	24 (43%)
36	NEX	T	616	-	38,46,46	0.98	1 (2%)	50,70,70	2.76	16 (32%)
25	CLA	B	824	-	65,73,73	1.46	10 (15%)	76,113,113	1.45	11 (14%)
25	CLA	4	309	27	55,63,73	1.56	7 (12%)	64,101,113	1.41	8 (12%)
26	PQN	B	839	-	34,34,34	1.35	2 (5%)	42,45,45	1.33	4 (9%)
30	DGD	B	846	-	67,67,67	0.80	3 (4%)	81,81,81	1.18	5 (6%)
25	CLA	A	823	-	49,57,73	1.66	10 (20%)	55,93,113	1.67	9 (16%)
32	LMG	J	104	-	35,35,55	1.06	2 (5%)	43,43,63	1.25	5 (11%)
27	LHG	5	301	-	44,44,48	0.96	2 (4%)	47,50,54	1.05	3 (6%)
25	CLA	9	303	-	60,68,73	1.51	10 (16%)	70,107,113	1.42	7 (10%)
25	CLA	A	806	-	65,73,73	1.47	10 (15%)	76,113,113	1.51	9 (11%)
28	BCR	I	201	-	41,41,41	0.93	2 (4%)	56,56,56	2.42	22 (39%)
25	CLA	T	610	-	60,68,73	1.60	6 (10%)	70,107,113	1.48	8 (11%)
25	CLA	1	609	16	60,68,73	1.42	11 (18%)	70,107,113	1.75	12 (17%)
34	LUT	a	316	-	42,43,43	0.74	0	51,60,60	2.13	15 (29%)
34	LUT	P	614	-	42,43,43	0.74	0	51,60,60	1.92	15 (29%)
25	CLA	6	616	-	46,54,73	1.74	9 (19%)	53,90,113	1.59	8 (15%)
34	LUT	Q	615	-	42,43,43	0.83	1 (2%)	51,60,60	1.85	16 (31%)
25	CLA	B	827	-	65,73,73	1.51	10 (15%)	76,113,113	1.39	9 (11%)
25	CLA	U	313	-	45,53,73	1.71	7 (15%)	52,89,113	1.68	7 (13%)
25	CLA	1	607	-	65,73,73	1.47	9 (13%)	76,113,113	1.41	9 (11%)
33	CHL	S	309	-	52,60,74	2.10	16 (30%)	56,97,114	2.83	25 (44%)
25	CLA	3	305	18	60,68,73	1.51	10 (16%)	70,107,113	1.46	8 (11%)
28	BCR	J	106	-	41,41,41	0.86	2 (4%)	56,56,56	2.25	18 (32%)
25	CLA	a	312	-	65,73,73	1.48	7 (10%)	76,113,113	1.38	9 (11%)
28	BCR	5	323	-	41,41,41	0.96	2 (4%)	56,56,56	3.15	22 (39%)
25	CLA	8	305	-	46,54,73	1.73	10 (21%)	53,90,113	1.54	7 (13%)
35	XAT	P	623	-	38,46,47	0.97	1 (2%)	52,72,74	3.12	22 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	B	810	-	65,73,73	1.49	10 (15%)	76,113,113	1.41	8 (10%)
25	CLA	7	302	-	46,54,73	1.71	10 (21%)	53,90,113	1.60	8 (15%)
25	CLA	4	301	-	60,68,73	1.51	10 (16%)	70,107,113	1.44	7 (10%)
25	CLA	5	306	-	55,63,73	1.59	10 (18%)	64,101,113	1.43	6 (9%)
27	LHG	4	318	25	48,48,48	0.92	2 (4%)	51,54,54	1.09	3 (5%)
25	CLA	2	308	-	43,51,73	1.77	10 (23%)	49,86,113	1.60	9 (18%)
25	CLA	4	311	-	56,64,73	1.56	9 (16%)	65,102,113	1.52	8 (12%)
34	LUT	4	315	-	42,43,43	0.89	1 (2%)	51,60,60	1.94	17 (33%)
25	CLA	T	609	-	60,68,73	1.55	7 (11%)	70,107,113	1.52	11 (15%)
25	CLA	S	315	-	48,56,73	1.67	9 (18%)	55,92,113	1.52	8 (14%)
34	LUT	U	314	-	42,43,43	0.73	0	51,60,60	1.91	14 (27%)
25	CLA	B	803	-	45,53,73	1.75	10 (22%)	52,89,113	1.75	7 (13%)
27	LHG	P	618	-	48,48,48	0.93	2 (4%)	51,54,54	0.96	2 (3%)
25	CLA	7	301	-	65,73,73	1.49	10 (15%)	76,113,113	1.37	8 (10%)
25	CLA	B	801	-	65,73,73	1.47	10 (15%)	76,113,113	1.42	8 (10%)
25	CLA	7	313	22	46,54,73	1.70	10 (21%)	53,90,113	1.54	6 (11%)
25	CLA	a	304	-	52,60,73	1.66	7 (13%)	60,97,113	1.39	6 (10%)
36	NEX	P	621	-	38,46,46	0.86	0	50,70,70	3.27	27 (54%)
25	CLA	A	805	-	55,63,73	1.62	10 (18%)	64,101,113	1.50	6 (9%)
25	CLA	4	302	-	46,54,73	1.78	8 (17%)	53,90,113	1.54	6 (11%)
25	CLA	6	613	-	56,64,73	1.62	8 (14%)	65,102,113	1.58	9 (13%)
25	CLA	Q	604	-	50,58,73	1.71	6 (12%)	58,95,113	1.64	9 (15%)
36	NEX	U	301	-	38,46,46	1.08	2 (5%)	50,70,70	2.95	18 (36%)
25	CLA	B	831	-	65,73,73	1.48	10 (15%)	76,113,113	1.43	8 (10%)
25	CLA	K	202	-	45,53,73	1.73	10 (22%)	52,89,113	1.61	7 (13%)
25	CLA	1	605	-	52,60,73	1.69	8 (15%)	60,97,113	1.46	8 (13%)
25	CLA	R	610	-	64,72,73	1.55	6 (9%)	74,111,113	1.42	10 (13%)
25	CLA	J	105	-	42,50,73	1.75	10 (23%)	48,85,113	1.61	7 (14%)
25	CLA	6	623	-	60,68,73	1.50	9 (15%)	70,107,113	1.58	9 (12%)
33	CHL	R	605	14	46,54,74	2.33	16 (34%)	49,90,114	2.95	24 (48%)
29	SF4	A	850	2,1	0,12,12	-	-	-	-	-
25	CLA	4	313	19	41,49,73	1.82	8 (19%)	47,84,113	1.71	9 (19%)
28	BCR	4	321	-	41,41,41	0.94	2 (4%)	56,56,56	2.73	24 (42%)
25	CLA	O	202	-	36,46,73	1.96	10 (27%)	41,80,113	1.72	8 (19%)
25	CLA	9	311	-	45,53,73	1.84	9 (20%)	52,89,113	1.52	9 (17%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	A	842	27	52,60,73	1.65	10 (19%)	60,97,113	1.79	14 (23%)
25	CLA	6	620	-	45,53,73	1.73	10 (22%)	52,89,113	1.58	7 (13%)
28	BCR	B	845	-	41,41,41	1.03	3 (7%)	56,56,56	2.16	18 (32%)
35	XAT	P	620	-	39,47,47	0.89	0	54,74,74	2.97	23 (42%)
25	CLA	B	806	-	65,73,73	1.49	10 (15%)	76,113,113	1.40	8 (10%)
25	CLA	B	830	-	65,73,73	1.52	10 (15%)	76,113,113	1.42	10 (13%)
25	CLA	Q	618	-	39,48,73	1.93	8 (20%)	45,82,113	1.89	11 (24%)
33	CHL	P	606	-	50,58,74	2.17	16 (32%)	52,94,114	2.84	23 (44%)
27	LHG	7	317	25	36,36,48	1.00	2 (5%)	39,42,54	1.31	4 (10%)
33	CHL	1	606	-	48,56,74	2.20	17 (35%)	51,92,114	2.77	21 (41%)
25	CLA	5	303	-	65,73,73	1.46	11 (16%)	76,113,113	1.51	8 (10%)
28	BCR	3	317	-	41,41,41	0.94	2 (4%)	56,56,56	2.33	17 (30%)
25	CLA	B	829	-	49,57,73	1.64	10 (20%)	55,93,113	1.57	7 (12%)
25	CLA	4	310	-	52,60,73	1.73	10 (19%)	60,97,113	1.76	10 (16%)
25	CLA	B	809	-	65,73,73	1.47	10 (15%)	76,113,113	1.41	7 (9%)
34	LUT	7	315	-	42,43,43	0.93	2 (4%)	51,60,60	1.56	12 (23%)
29	SF4	C	102	3	0,12,12	-	-	-	-	-
25	CLA	A	810	1	65,73,73	1.47	10 (15%)	76,113,113	1.41	9 (11%)
25	CLA	A	840	-	65,73,73	1.50	10 (15%)	76,113,113	1.45	10 (13%)
25	CLA	5	319	-	46,54,73	1.77	9 (19%)	53,90,113	1.60	8 (15%)
25	CLA	8	315	23	46,54,73	1.71	10 (21%)	53,90,113	1.56	6 (11%)
25	CLA	P	610	-	60,68,73	1.54	6 (10%)	70,107,113	1.39	8 (11%)
28	BCR	8	318	-	41,41,41	0.82	1 (2%)	56,56,56	2.16	20 (35%)
36	NEX	P	617	-	38,46,46	1.01	1 (2%)	50,70,70	2.80	18 (36%)
33	CHL	S	306	-	48,56,74	2.20	15 (31%)	51,92,114	2.80	25 (49%)
25	CLA	5	313	-	56,64,73	1.60	11 (19%)	65,102,113	1.79	14 (21%)
25	CLA	B	802	-	65,73,73	1.46	10 (15%)	76,113,113	1.52	9 (11%)
25	CLA	4	312	-	45,53,73	1.76	8 (17%)	52,89,113	1.52	8 (15%)
27	LHG	6	618	25	48,48,48	0.87	2 (4%)	51,54,54	1.22	4 (7%)
33	CHL	P	607	-	52,60,74	2.14	17 (32%)	56,97,114	2.83	27 (48%)
34	LUT	3	315	-	42,43,43	0.92	2 (4%)	51,60,60	1.65	13 (25%)
33	CHL	4	322	16	53,61,74	2.03	15 (28%)	57,98,114	2.95	26 (45%)
30	DGD	B	848	-	58,58,67	0.96	4 (6%)	72,72,81	1.37	11 (15%)
25	CLA	L	205	-	65,73,73	1.42	11 (16%)	76,113,113	1.47	9 (11%)
25	CLA	A	837	-	65,73,73	1.46	10 (15%)	76,113,113	1.45	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	2	302	17	46,54,73	1.78	10 (21%)	53,90,113	1.63	8 (15%)
33	CHL	1	601	16	53,61,74	1.98	14 (26%)	57,98,114	2.80	25 (43%)
25	CLA	L	202	-	65,73,73	1.44	10 (15%)	76,113,113	1.37	7 (9%)
28	BCR	4	317	-	41,41,41	0.88	0	56,56,56	2.30	19 (33%)
25	CLA	H	203	-	46,54,73	1.71	10 (21%)	53,90,113	1.60	7 (13%)
28	BCR	A	849	-	41,41,41	0.91	2 (4%)	56,56,56	2.08	17 (30%)
28	BCR	B	851	-	41,41,41	0.83	2 (4%)	56,56,56	2.12	19 (33%)
25	CLA	A	818	-	65,73,73	1.45	9 (13%)	76,113,113	1.38	8 (10%)
25	CLA	2	303	17	65,73,73	1.47	10 (15%)	76,113,113	1.38	8 (10%)
33	CHL	T	605	-	50,58,74	2.18	17 (34%)	52,94,114	2.85	22 (42%)
27	LHG	A	852	-	46,46,48	0.95	2 (4%)	48,51,54	1.20	5 (10%)
25	CLA	S	320	-	65,73,73	1.48	6 (9%)	76,113,113	1.43	8 (10%)
33	CHL	3	306	-	53,61,74	1.93	15 (28%)	57,98,114	2.84	25 (43%)
25	CLA	3	314	-	56,64,73	1.58	10 (17%)	65,102,113	1.49	6 (9%)
25	CLA	S	314	-	65,73,73	1.49	6 (9%)	76,113,113	1.40	8 (10%)
25	CLA	B	805	-	65,73,73	1.47	11 (16%)	76,113,113	1.47	7 (9%)
28	BCR	7	316	-	41,41,41	0.89	1 (2%)	56,56,56	2.00	16 (28%)
33	CHL	P	619	-	52,60,74	2.14	17 (32%)	56,97,114	2.84	27 (48%)
25	CLA	S	305	-	50,58,73	1.67	6 (12%)	58,95,113	1.56	8 (13%)
33	CHL	P	605	14	48,56,74	2.25	17 (35%)	51,92,114	2.97	24 (47%)
25	CLA	A	839	-	65,73,73	1.47	10 (15%)	76,113,113	1.50	8 (10%)
25	CLA	8	306	-	42,50,73	1.80	9 (21%)	48,85,113	1.59	8 (16%)
33	CHL	P	601	-	51,59,74	2.30	17 (33%)	55,96,114	2.78	24 (43%)
34	LUT	a	314	-	42,43,43	0.88	2 (4%)	51,60,60	1.87	16 (31%)
25	CLA	R	612	-	60,68,73	1.39	9 (15%)	70,107,113	1.62	9 (12%)
25	CLA	F	802	-	45,53,73	1.77	10 (22%)	52,89,113	1.55	7 (13%)
25	CLA	U	304	-	50,58,73	1.67	6 (12%)	58,95,113	1.61	10 (17%)
25	CLA	B	833	-	60,68,73	1.49	10 (16%)	70,107,113	1.42	8 (11%)
25	CLA	8	314	-	55,63,73	1.59	10 (18%)	64,101,113	1.47	11 (17%)
29	SF4	C	101	3	0,12,12	-	-	-	-	-
25	CLA	B	820	-	59,67,73	1.51	10 (16%)	68,105,113	1.52	8 (11%)
25	CLA	7	310	-	52,60,73	1.64	10 (19%)	60,97,113	1.52	7 (11%)
25	CLA	3	307	-	50,58,73	1.65	10 (20%)	58,95,113	1.49	8 (13%)
25	CLA	8	309	-	46,54,73	1.72	9 (19%)	53,90,113	1.59	6 (11%)
35	XAT	S	318	-	39,47,47	0.98	1 (2%)	54,74,74	2.87	22 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	3	308	-	65,73,73	1.43	10 (15%)	76,113,113	1.40	7 (9%)
25	CLA	2	309	-	60,68,73	1.52	9 (15%)	70,107,113	1.45	6 (8%)
34	LUT	6	622	-	42,43,43	0.88	1 (2%)	51,60,60	1.50	11 (21%)
25	CLA	B	849	-	65,73,73	1.46	10 (15%)	76,113,113	1.40	8 (10%)
25	CLA	A	812	-	65,73,73	1.49	10 (15%)	76,113,113	1.44	9 (11%)
25	CLA	R	602	-	65,73,73	1.52	5 (7%)	76,113,113	1.40	9 (11%)
25	CLA	B	817	-	65,73,73	1.47	10 (15%)	76,113,113	1.40	8 (10%)
25	CLA	H	201	-	46,54,73	1.71	10 (21%)	53,90,113	1.55	6 (11%)
33	CHL	5	307	-	51,59,74	2.09	16 (31%)	55,96,114	2.94	26 (47%)
28	BCR	L	207	-	41,41,41	0.93	2 (4%)	56,56,56	2.00	13 (23%)
28	BCR	B	843	-	41,41,41	0.86	2 (4%)	56,56,56	1.86	18 (32%)
28	BCR	A	848	-	41,41,41	0.91	1 (2%)	56,56,56	1.97	16 (28%)
25	CLA	3	320	22	65,73,73	1.43	11 (16%)	76,113,113	1.44	8 (10%)
34	LUT	P	615	-	42,43,43	0.81	0	51,60,60	1.78	18 (35%)
28	BCR	L	203	-	41,41,41	0.90	1 (2%)	56,56,56	2.03	15 (26%)
33	CHL	6	617	21	43,51,74	2.18	14 (32%)	45,86,114	3.01	22 (48%)
33	CHL	U	306	-	50,58,74	2.18	16 (32%)	52,94,114	2.82	23 (44%)
25	CLA	3	303	-	65,73,73	1.44	10 (15%)	76,113,113	1.47	8 (10%)
25	CLA	2	312	-	65,73,73	1.48	9 (13%)	76,113,113	1.50	10 (13%)
27	LHG	2	317	-	48,48,48	0.90	2 (4%)	51,54,54	0.99	2 (3%)
25	CLA	Q	602	-	65,73,73	1.51	6 (9%)	76,113,113	1.39	7 (9%)
25	CLA	B	838	-	65,73,73	1.48	10 (15%)	76,113,113	1.39	6 (7%)
27	LHG	R	618	-	48,48,48	0.93	2 (4%)	51,54,54	0.96	2 (3%)
25	CLA	7	309	27	41,49,73	1.82	10 (24%)	47,84,113	1.65	9 (19%)
28	BCR	L	208	-	41,41,41	0.87	2 (4%)	56,56,56	1.98	18 (32%)
25	CLA	A	853	-	65,73,73	1.48	10 (15%)	76,113,113	1.41	8 (10%)
25	CLA	1	602	-	65,73,73	1.48	10 (15%)	76,113,113	1.32	8 (10%)
34	LUT	2	315	-	42,43,43	0.83	1 (2%)	51,60,60	1.84	13 (25%)
25	CLA	Q	613	-	48,56,73	1.81	7 (14%)	55,92,113	1.57	8 (14%)
25	CLA	2	313	-	55,63,73	1.61	8 (14%)	64,101,113	1.56	12 (18%)
32	LMG	4	320	-	40,40,55	1.06	3 (7%)	48,48,63	1.30	6 (12%)
25	CLA	a	311	-	65,73,73	1.46	9 (13%)	76,113,113	1.60	9 (11%)
35	XAT	T	615	-	39,47,47	0.92	0	54,74,74	3.00	21 (38%)
25	CLA	T	608	-	65,73,73	1.46	6 (9%)	76,113,113	1.38	8 (10%)
25	CLA	5	316	-	43,51,73	1.76	10 (23%)	49,86,113	1.68	7 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
34	LUT	6	619	-	42,43,43	0.89	1 (2%)	51,60,60	1.82	14 (27%)
25	CLA	1	613	-	65,73,73	1.48	10 (15%)	76,113,113	1.39	9 (11%)
25	CLA	B	836	-	65,73,73	1.46	10 (15%)	76,113,113	1.40	8 (10%)
25	CLA	A	827	-	65,73,73	1.50	10 (15%)	76,113,113	1.42	10 (13%)
33	CHL	4	304	-	42,50,74	2.25	15 (35%)	44,85,114	2.98	21 (47%)
25	CLA	6	601	19	61,69,73	1.48	9 (14%)	71,108,113	1.44	7 (9%)
25	CLA	2	304	-	65,73,73	1.49	10 (15%)	76,113,113	1.42	7 (9%)
33	CHL	7	305	-	54,62,74	1.99	17 (31%)	58,99,114	2.78	22 (37%)
28	BCR	O	204	-	41,41,41	0.86	2 (4%)	56,56,56	2.34	21 (37%)
34	LUT	1	617	-	42,43,43	0.79	0	51,60,60	2.17	18 (35%)
25	CLA	B	823	-	65,73,73	1.45	10 (15%)	76,113,113	1.36	7 (9%)
31	SQD	B	850	-	50,51,54	1.21	4 (8%)	59,62,65	1.21	7 (11%)
34	LUT	1	615	-	42,43,43	0.96	2 (4%)	51,60,60	1.87	16 (31%)
25	CLA	P	603	-	65,73,73	1.49	6 (9%)	76,113,113	1.47	9 (11%)
25	CLA	P	612	-	60,68,73	1.39	9 (15%)	70,107,113	1.64	9 (12%)
33	CHL	U	307	-	53,61,74	2.13	16 (30%)	57,98,114	2.79	25 (43%)
34	LUT	T	613	-	42,43,43	0.72	0	51,60,60	1.91	13 (25%)
25	CLA	A	814	-	65,73,73	1.51	11 (16%)	76,113,113	1.52	10 (13%)
25	CLA	R	604	-	50,58,73	1.69	6 (12%)	58,95,113	1.70	10 (17%)
25	CLA	2	311	-	52,60,73	1.63	10 (19%)	60,97,113	1.50	8 (13%)
34	LUT	R	615	-	42,43,43	0.76	0	51,60,60	1.93	14 (27%)
25	CLA	B	814	-	55,63,73	1.57	10 (18%)	64,101,113	1.52	8 (12%)
25	CLA	A	804	-	65,73,73	1.45	10 (15%)	76,113,113	1.47	9 (11%)
27	LHG	A	843	-	48,48,48	0.90	2 (4%)	51,54,54	1.13	3 (5%)
25	CLA	A	809	1	65,73,73	1.46	10 (15%)	76,113,113	1.42	8 (10%)
28	BCR	J	101	-	41,41,41	0.90	1 (2%)	56,56,56	2.08	19 (33%)
25	CLA	A	801	-	65,73,73	1.44	10 (15%)	76,113,113	1.38	7 (9%)
25	CLA	3	311	-	55,63,73	1.57	9 (16%)	64,101,113	1.55	8 (12%)
25	CLA	B	834	-	65,73,73	1.47	10 (15%)	76,113,113	1.44	8 (10%)
25	CLA	8	308	-	50,58,73	1.63	12 (24%)	58,95,113	1.68	8 (13%)
25	CLA	1	614	-	46,54,73	1.73	10 (21%)	53,90,113	1.58	6 (11%)
25	CLA	A	831	-	50,58,73	1.66	10 (20%)	58,95,113	1.61	9 (15%)
25	CLA	5	304	-	46,54,73	1.69	8 (17%)	53,90,113	1.68	6 (11%)
25	CLA	A	826	-	65,73,73	1.44	10 (15%)	76,113,113	1.34	8 (10%)
25	CLA	4	307	-	50,58,73	1.71	9 (18%)	58,95,113	1.42	7 (12%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
34	LUT	3	316	-	42,43,43	0.97	2 (4%)	51,60,60	1.65	15 (29%)
28	BCR	A	847	-	41,41,41	0.92	2 (4%)	56,56,56	2.00	18 (32%)
25	CLA	A	813	-	54,62,73	1.63	10 (18%)	62,99,113	1.54	8 (12%)
25	CLA	A	822	-	65,73,73	1.45	10 (15%)	76,113,113	1.48	8 (10%)
25	CLA	8	311	27	46,54,73	1.72	10 (21%)	53,90,113	1.51	7 (13%)
28	BCR	A	845	-	41,41,41	0.83	1 (2%)	56,56,56	2.08	21 (37%)
25	CLA	H	202	-	41,49,73	1.83	9 (21%)	47,84,113	1.78	8 (17%)
25	CLA	1	604	-	57,65,73	1.59	10 (17%)	66,103,113	1.43	8 (12%)
33	CHL	R	609	-	66,74,74	1.50	11 (16%)	73,114,114	1.84	11 (15%)
28	BCR	G	203	-	41,41,41	0.84	1 (2%)	56,56,56	2.09	16 (28%)
33	CHL	P	622	-	53,61,74	2.20	16 (30%)	57,98,114	3.02	29 (50%)
27	LHG	B	847	-	37,37,48	1.03	2 (5%)	40,43,54	1.20	5 (12%)
35	XAT	Q	616	-	39,47,47	0.96	1 (2%)	54,74,74	3.04	24 (44%)
25	CLA	B	822	-	65,73,73	1.46	10 (15%)	76,113,113	1.43	10 (13%)
36	NEX	R	617	-	38,46,46	0.98	1 (2%)	50,70,70	2.79	19 (38%)
25	CLA	a	302	-	57,65,73	1.60	9 (15%)	66,103,113	1.44	6 (9%)
28	BCR	K	206	-	41,41,41	0.81	0	56,56,56	2.35	20 (35%)
27	LHG	4	319	-	31,31,48	1.13	2 (6%)	34,37,54	1.23	4 (11%)
25	CLA	7	308	-	60,68,73	1.56	10 (16%)	70,107,113	1.44	9 (12%)
33	CHL	4	305	-	51,59,74	2.22	17 (33%)	55,96,114	2.77	23 (41%)
25	CLA	A	830	-	65,73,73	1.48	10 (15%)	76,113,113	1.52	10 (13%)
25	CLA	a	303	-	57,65,73	1.88	15 (26%)	66,103,113	3.65	19 (28%)
33	CHL	Q	607	-	44,52,74	2.20	15 (34%)	46,87,114	2.91	22 (47%)
34	LUT	7	314	-	42,43,43	0.96	2 (4%)	51,60,60	1.74	14 (27%)
25	CLA	B	825	-	65,73,73	1.46	11 (16%)	76,113,113	1.49	9 (11%)
25	CLA	U	302	-	65,73,73	1.51	6 (9%)	76,113,113	1.41	9 (11%)
25	CLA	A	821	-	45,53,73	1.75	10 (22%)	52,89,113	1.76	10 (19%)
25	CLA	a	301	-	65,73,73	1.53	9 (13%)	76,113,113	1.36	8 (10%)
33	CHL	Q	606	-	50,58,74	2.19	16 (32%)	52,94,114	2.85	20 (38%)
28	BCR	B	842	-	41,41,41	1.02	2 (4%)	56,56,56	2.27	20 (35%)
25	CLA	P	611	-	41,49,73	1.73	8 (19%)	47,84,113	2.11	18 (38%)
25	CLA	U	303	-	65,73,73	1.48	6 (9%)	76,113,113	1.44	7 (9%)
27	LHG	P	624	-	48,48,48	0.94	2 (4%)	51,54,54	0.96	2 (3%)
33	CHL	S	302	-	53,61,74	2.04	17 (32%)	57,98,114	2.87	27 (47%)
25	CLA	B	821	-	60,68,73	1.52	10 (16%)	70,107,113	1.42	8 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
28	BCR	A	846	-	41,41,41	1.00	2 (4%)	56,56,56	2.10	20 (35%)
25	CLA	B	828	-	50,58,73	1.66	10 (20%)	58,95,113	1.56	6 (10%)
34	LUT	S	317	-	42,43,43	0.77	0	51,60,60	1.65	9 (17%)
25	CLA	O	201	-	41,49,73	1.78	9 (21%)	47,84,113	1.71	8 (17%)
28	BCR	8	301	-	41,41,41	0.78	0	56,56,56	1.88	15 (26%)
34	LUT	9	312	-	42,43,43	0.84	2 (4%)	51,60,60	1.60	13 (25%)
34	LUT	8	317	-	42,43,43	0.92	2 (4%)	51,60,60	1.56	12 (23%)
25	CLA	A	820	-	65,73,73	1.45	12 (18%)	76,113,113	1.45	9 (11%)
25	CLA	K	201	-	51,59,73	1.63	10 (19%)	59,96,113	1.63	10 (16%)
25	CLA	S	313	-	60,68,73	1.57	6 (10%)	70,107,113	1.41	7 (10%)
25	CLA	G	202	-	46,54,73	1.74	9 (19%)	53,90,113	1.69	9 (16%)
32	LMG	1	619	-	46,46,55	0.98	2 (4%)	54,54,63	1.17	3 (5%)
25	CLA	A	817	-	57,65,73	1.59	9 (15%)	66,103,113	1.39	4 (6%)
25	CLA	9	302	-	46,54,73	1.74	7 (15%)	53,90,113	1.53	5 (9%)
32	LMG	J	107	-	55,55,55	0.90	2 (3%)	63,63,63	1.23	8 (12%)
25	CLA	7	307	-	50,58,73	1.64	10 (20%)	58,95,113	1.53	6 (10%)
25	CLA	A	834	1	45,53,73	1.76	10 (22%)	52,89,113	1.67	5 (9%)
25	CLA	7	303	-	56,64,73	1.60	10 (17%)	65,102,113	1.47	7 (10%)
27	LHG	1	618	25	42,42,48	0.96	2 (4%)	45,48,54	1.22	4 (8%)
25	CLA	S	311	-	60,68,73	1.53	6 (10%)	70,107,113	1.37	8 (11%)
25	CLA	a	313	-	46,54,73	1.72	7 (15%)	53,90,113	1.54	6 (11%)
32	LMG	7	319	-	36,36,55	1.12	3 (8%)	44,44,63	1.25	5 (11%)
33	CHL	T	601	-	50,58,74	2.33	17 (34%)	52,94,114	2.79	22 (42%)
25	CLA	R	613	-	65,73,73	1.46	5 (7%)	76,113,113	1.42	9 (11%)
25	CLA	A	802	-	65,73,73	1.47	10 (15%)	76,113,113	1.51	11 (14%)
25	CLA	B	837	-	65,73,73	1.48	10 (15%)	76,113,113	1.54	7 (9%)
28	BCR	B	844	-	41,41,41	0.96	2 (4%)	56,56,56	2.11	16 (28%)
33	CHL	5	317	-	43,51,74	2.12	14 (32%)	45,86,114	3.06	21 (46%)
28	BCR	3	318	-	41,41,41	0.84	1 (2%)	56,56,56	2.79	24 (42%)
25	CLA	5	324	-	65,73,73	1.48	9 (13%)	76,113,113	1.33	6 (7%)
25	CLA	3	313	-	46,54,73	1.68	10 (21%)	53,90,113	1.58	6 (11%)
25	CLA	Q	609	-	65,73,73	1.50	5 (7%)	76,113,113	1.38	8 (10%)
25	CLA	a	306	-	65,73,73	1.45	7 (10%)	76,113,113	1.43	10 (13%)
25	CLA	8	312	-	52,60,73	1.61	9 (17%)	60,97,113	1.49	6 (10%)
33	CHL	P	609	-	66,74,74	1.50	11 (16%)	73,114,114	1.84	12 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
34	LUT	T	614	-	42,43,43	0.76	0	51,60,60	1.73	14 (27%)
28	BCR	B	840	-	41,41,41	0.93	1 (2%)	56,56,56	2.11	15 (26%)
34	LUT	R	616	-	42,43,43	0.78	0	51,60,60	1.83	18 (35%)
34	LUT	5	322	-	42,43,43	1.01	2 (4%)	51,60,60	1.64	13 (25%)
25	CLA	A	807	-	65,73,73	1.50	11 (16%)	76,113,113	1.48	8 (10%)
27	LHG	8	319	25	48,48,48	0.92	2 (4%)	51,54,54	1.07	4 (7%)
26	PQN	A	841	-	34,34,34	1.37	2 (5%)	42,45,45	1.33	6 (14%)
25	CLA	R	603	-	65,73,73	1.53	5 (7%)	76,113,113	1.39	8 (10%)
25	CLA	A	824	-	55,63,73	1.59	10 (18%)	64,101,113	1.53	8 (12%)
27	LHG	a	317	25	42,42,48	0.95	2 (4%)	45,48,54	1.21	4 (8%)
25	CLA	6	610	-	60,68,73	1.57	9 (15%)	70,107,113	1.41	7 (10%)
34	LUT	Q	614	-	42,43,43	0.73	0	51,60,60	1.84	12 (23%)
25	CLA	8	313	-	65,73,73	1.48	10 (15%)	76,113,113	1.41	7 (9%)
34	LUT	8	316	-	42,43,43	0.90	1 (2%)	51,60,60	1.78	14 (27%)
33	CHL	8	307	-	53,61,74	2.06	16 (30%)	57,98,114	3.17	28 (49%)
33	CHL	9	306	-	42,50,74	2.24	17 (40%)	44,85,114	3.18	21 (47%)
25	CLA	Q	610	-	39,48,73	1.84	7 (17%)	45,82,113	1.86	10 (22%)
25	CLA	3	304	-	42,50,73	1.84	10 (23%)	48,85,113	1.57	7 (14%)
33	CHL	U	305	14	46,54,74	2.29	15 (32%)	49,90,114	2.88	25 (51%)
27	LHG	A	844	25	37,37,48	1.05	3 (8%)	40,43,54	1.20	3 (7%)
25	CLA	9	301	-	54,62,73	1.64	9 (16%)	67,100,113	1.55	11 (16%)
28	BCR	O	205	-	41,41,41	0.82	1 (2%)	56,56,56	2.18	16 (28%)
25	CLA	A	816	-	65,73,73	1.48	9 (13%)	76,113,113	1.45	8 (10%)
25	CLA	B	812	-	60,68,73	1.52	10 (16%)	70,107,113	1.42	7 (10%)
25	CLA	2	314	-	46,54,73	1.76	10 (21%)	53,90,113	1.54	7 (13%)
25	CLA	5	315	20	46,54,73	1.70	9 (19%)	53,90,113	1.58	6 (11%)
25	CLA	1	603	-	65,73,73	1.45	10 (15%)	76,113,113	1.34	8 (10%)
25	CLA	K	205	-	45,53,73	1.76	7 (15%)	52,89,113	1.64	6 (11%)
25	CLA	8	304	-	45,53,73	1.75	10 (22%)	52,89,113	1.61	7 (13%)
25	CLA	S	303	15	65,73,73	1.53	7 (10%)	76,113,113	1.48	10 (13%)
25	CLA	B	811	-	65,73,73	1.51	11 (16%)	76,113,113	1.50	9 (11%)
25	CLA	L	209	-	41,49,73	1.79	8 (19%)	47,84,113	1.81	9 (19%)
25	CLA	B	818	-	56,64,73	1.58	10 (17%)	65,102,113	1.58	8 (12%)
33	CHL	9	307	-	51,59,74	2.11	16 (31%)	55,96,114	2.81	24 (43%)
32	LMG	H	204	-	47,47,55	0.95	2 (4%)	55,55,63	1.16	5 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	T	602	-	65,73,73	1.48	6 (9%)	76,113,113	1.38	9 (11%)
25	CLA	4	308	19	60,68,73	1.46	10 (16%)	70,107,113	1.47	8 (11%)
33	CHL	U	308	-	44,52,74	2.22	15 (34%)	46,87,114	2.90	21 (45%)
28	BCR	B	841	-	41,41,41	0.95	2 (4%)	56,56,56	2.24	18 (32%)
33	CHL	4	306	-	51,59,74	2.04	15 (29%)	55,96,114	2.75	24 (43%)
34	LUT	4	316	-	42,43,43	0.88	2 (4%)	51,60,60	1.53	11 (21%)
25	CLA	A	835	-	51,59,73	1.66	10 (19%)	59,96,113	1.58	9 (15%)
25	CLA	U	311	-	54,62,73	1.66	8 (14%)	57,97,113	1.40	7 (12%)
25	CLA	7	304	-	42,50,73	1.82	10 (23%)	48,85,113	1.46	6 (12%)
33	CHL	T	606	-	44,52,74	2.23	14 (31%)	46,87,114	2.93	23 (50%)
33	CHL	6	606	-	53,61,74	1.98	15 (28%)	57,98,114	2.78	24 (42%)
25	CLA	B	819	-	46,54,73	1.70	10 (21%)	53,90,113	1.64	9 (16%)
25	CLA	5	309	-	50,58,73	1.68	10 (20%)	58,95,113	1.49	9 (15%)
25	CLA	6	609	-	50,58,73	1.64	9 (18%)	58,95,113	1.56	7 (12%)
25	CLA	A	829	-	65,73,73	1.49	11 (16%)	76,113,113	1.47	9 (11%)
25	CLA	J	103	-	58,66,73	1.56	10 (17%)	67,104,113	1.51	8 (11%)
34	LUT	9	313	-	42,43,43	0.90	1 (2%)	51,60,60	1.61	14 (27%)
25	CLA	a	309	27	65,73,73	1.48	7 (10%)	76,113,113	1.32	8 (10%)
25	CLA	P	613	-	58,66,73	1.58	5 (8%)	67,104,113	1.44	8 (11%)
25	CLA	B	835	-	47,55,73	1.78	10 (21%)	54,91,113	1.50	7 (12%)
25	CLA	2	307	-	50,58,73	1.64	9 (18%)	58,95,113	1.49	8 (13%)
33	CHL	R	608	-	44,52,74	2.21	14 (31%)	46,87,114	2.91	22 (47%)
25	CLA	K	204	-	45,53,73	1.81	7 (15%)	52,89,113	1.72	9 (17%)
28	BCR	3	319	-	41,41,41	0.80	1 (2%)	56,56,56	2.42	16 (28%)
32	LMG	7	318	-	35,35,55	1.10	2 (5%)	43,43,63	1.11	2 (4%)
33	CHL	5	308	-	51,59,74	2.00	16 (31%)	55,96,114	2.96	27 (49%)
34	LUT	5	318	-	42,43,43	0.92	2 (4%)	51,60,60	1.68	13 (25%)
25	CLA	A	833	-	50,58,73	1.66	10 (20%)	58,95,113	1.64	8 (13%)
25	CLA	a	310	-	52,60,73	1.68	8 (15%)	60,97,113	1.51	6 (10%)
34	LUT	S	316	-	42,43,43	0.79	0	51,60,60	1.82	16 (31%)
25	CLA	5	314	-	45,53,73	1.78	9 (20%)	52,89,113	1.58	8 (15%)
33	CHL	6	608	-	51,59,74	2.03	16 (31%)	55,96,114	3.09	30 (54%)
33	CHL	S	310	15	52,60,74	2.16	16 (30%)	56,97,114	2.76	24 (42%)
27	LHG	Q	617	-	48,48,48	0.93	2 (4%)	51,54,54	0.99	2 (3%)
25	CLA	2	305	-	52,60,73	1.65	8 (15%)	60,97,113	1.51	7 (11%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	6	605	-	65,73,73	1.42	8 (12%)	76,113,113	1.41	7 (9%)
25	CLA	P	602	-	65,73,73	1.47	5 (7%)	76,113,113	1.39	8 (10%)
25	CLA	9	304	-	46,54,73	1.75	10 (21%)	53,90,113	1.55	6 (11%)
28	BCR	A	854	-	41,41,41	0.88	1 (2%)	56,56,56	1.96	16 (28%)
25	CLA	6	603	-	65,73,73	1.48	10 (15%)	76,113,113	1.39	7 (9%)
33	CHL	Q	608	-	66,74,74	1.51	12 (18%)	73,114,114	1.84	11 (15%)
33	CHL	4	314	19	43,51,74	2.18	14 (32%)	45,86,114	2.99	21 (46%)
27	LHG	5	321	-	36,36,48	1.03	2 (5%)	39,42,54	1.29	5 (12%)
25	CLA	3	310	-	46,54,73	1.74	10 (21%)	53,90,113	1.57	7 (13%)
25	CLA	B	808	2	65,73,73	1.47	10 (15%)	76,113,113	1.41	9 (11%)
25	CLA	S	304	-	65,73,73	1.49	6 (9%)	76,113,113	1.37	7 (9%)
25	CLA	6	612	-	52,60,73	1.73	8 (15%)	60,97,113	1.46	6 (10%)
25	CLA	A	828	-	65,73,73	1.45	10 (15%)	76,113,113	1.49	8 (10%)
25	CLA	6	614	-	45,53,73	1.73	10 (22%)	52,89,113	1.64	9 (17%)
36	NEX	U	316	-	38,46,46	0.99	1 (2%)	50,70,70	2.72	18 (36%)
28	BCR	5	320	-	41,41,41	0.82	1 (2%)	56,56,56	1.92	16 (28%)
25	CLA	8	310	-	60,68,73	1.50	10 (16%)	70,107,113	1.40	8 (11%)
25	CLA	Q	612	-	60,68,73	1.58	6 (10%)	70,107,113	1.46	10 (14%)
25	CLA	R	611	-	60,68,73	1.53	5 (8%)	70,107,113	1.68	11 (15%)
25	CLA	B	804	-	65,73,73	1.50	10 (15%)	76,113,113	1.45	9 (11%)
25	CLA	7	306	-	50,58,73	1.69	10 (20%)	58,95,113	1.56	9 (15%)
32	LMG	2	301	-	41,41,55	1.03	2 (4%)	49,49,63	1.19	4 (8%)
28	BCR	F	801	-	41,41,41	0.90	2 (4%)	56,56,56	2.10	17 (30%)
25	CLA	B	813	-	57,65,73	1.56	10 (17%)	66,103,113	1.46	8 (12%)
25	CLA	9	305	-	50,58,73	1.70	9 (18%)	58,95,113	1.57	8 (13%)
25	CLA	3	309	-	41,49,73	1.80	10 (24%)	47,84,113	1.67	9 (19%)
25	CLA	B	826	-	65,73,73	1.51	10 (15%)	76,113,113	1.44	10 (13%)
25	CLA	9	310	24	50,58,73	1.68	9 (18%)	58,95,113	1.61	7 (12%)
25	CLA	7	311	-	65,73,73	1.46	10 (15%)	76,113,113	1.43	8 (10%)
25	CLA	S	301	-	47,55,73	1.77	9 (19%)	54,91,113	1.68	10 (18%)
25	CLA	P	604	-	50,58,73	1.69	7 (14%)	58,95,113	1.62	9 (15%)
32	LMG	6	602	-	40,40,55	1.03	2 (5%)	48,48,63	1.41	6 (12%)
25	CLA	5	305	-	50,58,73	1.66	11 (22%)	58,95,113	1.56	8 (13%)
25	CLA	1	608	-	65,73,73	1.44	8 (12%)	76,113,113	1.30	7 (9%)
25	CLA	3	312	-	45,53,73	1.77	9 (20%)	52,89,113	1.59	8 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
25	CLA	8	302	23	65,73,73	1.46	10 (15%)	76,113,113	1.33	9 (11%)
25	CLA	A	815	-	60,68,73	1.51	10 (16%)	70,107,113	1.45	8 (11%)
25	CLA	U	312	-	65,73,73	1.49	6 (9%)	76,113,113	1.37	7 (9%)
25	CLA	a	308	16	60,68,73	1.41	8 (13%)	70,107,113	1.79	14 (20%)
25	CLA	5	302	20	65,73,73	1.49	10 (15%)	76,113,113	1.39	8 (10%)
25	CLA	A	832	-	65,73,73	1.45	10 (15%)	76,113,113	1.43	7 (9%)
25	CLA	1	612	-	65,73,73	1.51	11 (16%)	76,113,113	2.07	15 (19%)
25	CLA	9	309	-	60,68,73	1.53	9 (15%)	70,107,113	1.47	9 (12%)
25	CLA	5	310	-	60,68,73	1.44	9 (15%)	70,107,113	1.45	8 (11%)
25	CLA	T	611	-	60,68,73	1.55	5 (8%)	70,107,113	1.41	7 (10%)
28	BCR	F	803	-	41,41,41	0.91	2 (4%)	56,56,56	2.20	20 (35%)
27	LHG	S	319	-	48,48,48	0.93	2 (4%)	51,54,54	1.02	3 (5%)
27	LHG	T	617	-	48,48,48	0.94	2 (4%)	51,54,54	0.93	2 (3%)
25	CLA	R	614	-	48,56,73	1.73	5 (10%)	55,92,113	1.64	8 (14%)
33	CHL	S	308	-	52,60,74	2.11	16 (30%)	56,97,114	2.79	25 (44%)
25	CLA	B	832	-	45,53,73	1.78	10 (22%)	52,89,113	1.58	6 (11%)
33	CHL	T	607	-	52,60,74	2.22	17 (32%)	56,97,114	2.82	26 (46%)
28	BCR	L	204	-	41,41,41	1.01	2 (4%)	56,56,56	2.21	23 (41%)
25	CLA	5	311	-	55,63,73	1.58	10 (18%)	64,101,113	1.41	7 (10%)
33	CHL	T	604	14	48,56,74	2.23	16 (33%)	51,92,114	2.91	25 (49%)
25	CLA	3	302	-	65,73,73	1.51	9 (13%)	76,113,113	1.42	9 (11%)
33	CHL	Q	605	14	42,50,74	2.39	16 (38%)	44,85,114	3.11	22 (50%)
33	CHL	Q	601	-	51,59,74	2.29	17 (33%)	55,96,114	2.77	24 (43%)
25	CLA	6	611	27	55,63,73	1.56	9 (16%)	64,101,113	1.41	7 (10%)
33	CHL	U	309	-	48,56,74	2.34	17 (35%)	51,92,114	2.92	22 (43%)
25	CLA	A	838	-	65,73,73	1.47	10 (15%)	76,113,113	1.49	9 (11%)

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
25	CLA	L	206	-	1/1/10/20	4/10/88/115	-
25	CLA	4	303	-	1/1/12/20	7/19/97/115	-
25	CLA	B	816	-	1/1/14/20	11/31/109/115	-

Continued on next page...

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	Q	611	-	1/1/14/20	7/31/109/115	-
25	CLA	3	301	-	1/1/14/20	3/31/109/115	-
25	CLA	5	312	-	1/1/12/20	5/22/100/115	-
25	CLA	U	310	-	1/1/14/20	10/36/114/115	-
25	CLA	2	306	17	1/1/10/20	2/8/86/115	-
25	CLA	H	205	12	1/1/10/20	2/10/88/115	-
34	LUT	2	316	-	-	0/29/67/67	0/2/2/2
25	CLA	A	836	-	1/1/15/20	14/37/115/115	-
25	CLA	A	803	-	1/1/15/20	5/37/115/115	-
32	LMG	J	102	-	-	8/35/55/70	0/1/1/1
33	CHL	S	307	-	3/3/16/26	4/20/118/137	-
25	CLA	A	811	-	1/1/15/20	6/37/115/115	-
25	CLA	B	807	-	1/1/15/20	11/37/115/115	-
34	LUT	U	315	-	-	2/29/67/67	0/2/2/2
25	CLA	K	203	-	1/1/11/20	6/15/93/115	-
25	CLA	T	612	-	1/1/11/20	9/17/95/115	-
25	CLA	A	825	-	1/1/15/20	20/37/115/115	-
25	CLA	1	610	27	1/1/15/20	10/37/115/115	-
33	CHL	a	305	-	3/3/16/26	6/18/116/137	-
34	LUT	1	616	-	-	4/29/67/67	0/2/2/2
25	CLA	6	604	-	1/1/11/20	3/15/93/115	-
25	CLA	A	851	-	1/1/15/20	14/37/115/115	-
25	CLA	O	203	-	1/1/10/20	0/4/80/115	-
25	CLA	Q	603	-	1/1/15/20	11/37/115/115	-
25	CLA	2	310	-	1/1/10/20	2/8/86/115	-
25	CLA	S	312	-	1/1/14/20	9/31/109/115	-
34	LUT	a	315	-	-	4/29/67/67	0/2/2/2
25	CLA	L	201	-	1/1/15/20	10/37/115/115	-
35	XAT	P	616	-	-	4/31/93/93	0/4/4/4
25	CLA	T	603	-	1/1/12/20	6/19/97/115	-
25	CLA	A	819	-	1/1/15/20	12/37/115/115	-
25	CLA	8	303	-	1/1/14/20	8/34/112/115	-
33	CHL	R	607	-	3/3/17/26	10/23/121/137	-
28	BCR	6	621	-	-	8/29/63/63	0/2/2/2

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	6	615	21	1/1/11/20	4/15/93/115	-
25	CLA	B	815	-	1/1/13/20	15/30/108/115	-
33	CHL	R	606	-	3/3/16/26	8/20/118/137	-
25	CLA	9	308	-	1/1/12/20	4/19/97/115	-
25	CLA	a	307	-	1/1/15/20	10/37/115/115	-
33	CHL	S	321	-	3/3/17/26	9/21/119/137	-
25	CLA	A	808	-	1/1/15/20	11/37/115/115	-
33	CHL	P	608	-	3/3/15/26	5/13/111/137	-
33	CHL	6	607	-	3/3/17/26	9/24/122/137	-
25	CLA	1	611	-	1/1/12/20	8/22/100/115	-
25	CLA	7	312	-	1/1/10/20	1/11/89/115	-
25	CLA	G	201	-	1/1/12/20	3/19/97/115	-
33	CHL	R	601	-	3/3/17/26	8/21/119/137	-
36	NEX	T	616	-	-	7/27/83/83	0/3/3/3
25	CLA	B	824	-	1/1/15/20	17/37/115/115	-
25	CLA	4	309	27	1/1/13/20	8/25/103/115	-
26	PQN	B	839	-	-	3/23/43/43	0/2/2/2
30	DGD	B	846	-	-	15/55/95/95	0/2/2/2
25	CLA	A	823	-	1/1/11/20	10/18/96/115	-
32	LMG	J	104	-	-	13/30/50/70	0/1/1/1
27	LHG	5	301	-	-	19/49/49/53	-
25	CLA	9	303	-	1/1/14/20	12/31/109/115	-
25	CLA	A	806	-	1/1/15/20	17/37/115/115	-
28	BCR	I	201	-	-	7/29/63/63	0/2/2/2
25	CLA	T	610	-	1/1/14/20	10/31/109/115	-
25	CLA	1	609	16	1/1/14/20	7/31/109/115	-
34	LUT	a	316	-	-	6/29/67/67	0/2/2/2
34	LUT	P	614	-	-	0/29/67/67	0/2/2/2
25	CLA	6	616	-	1/1/11/20	4/15/93/115	-
34	LUT	Q	615	-	-	2/29/67/67	0/2/2/2
25	CLA	B	827	-	1/1/15/20	7/37/115/115	-
25	CLA	U	313	-	1/1/11/20	7/13/91/115	-
25	CLA	1	607	-	1/1/15/20	6/37/115/115	-
33	CHL	S	309	-	3/3/17/26	6/23/121/137	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	3	305	18	1/1/14/20	12/31/109/115	-
28	BCR	J	106	-	-	6/29/63/63	0/2/2/2
25	CLA	a	312	-	1/1/15/20	9/37/115/115	-
28	BCR	5	323	-	-	8/29/63/63	0/2/2/2
25	CLA	8	305	-	1/1/11/20	4/15/93/115	-
35	XAT	P	623	-	-	3/29/91/93	0/4/4/4
25	CLA	B	810	-	1/1/15/20	12/37/115/115	-
25	CLA	7	302	-	1/1/11/20	3/15/93/115	-
25	CLA	4	301	-	1/1/14/20	11/31/109/115	-
25	CLA	5	306	-	1/1/13/20	2/25/103/115	-
27	LHG	4	318	25	-	20/53/53/53	-
25	CLA	2	308	-	1/1/10/20	4/11/89/115	-
25	CLA	4	311	-	1/1/13/20	14/27/105/115	-
34	LUT	4	315	-	-	1/29/67/67	0/2/2/2
25	CLA	T	609	-	-	12/31/109/115	-
25	CLA	S	315	-	1/1/11/20	6/17/95/115	-
34	LUT	U	314	-	-	0/29/67/67	0/2/2/2
25	CLA	B	803	-	1/1/11/20	5/13/91/115	-
27	LHG	P	618	-	-	12/53/53/53	-
25	CLA	7	301	-	1/1/15/20	14/37/115/115	-
25	CLA	B	801	-	1/1/15/20	12/37/115/115	-
25	CLA	7	313	22	1/1/11/20	8/15/93/115	-
25	CLA	a	304	-	1/1/12/20	2/22/100/115	-
36	NEX	P	621	-	-	10/27/83/83	0/3/3/3
25	CLA	A	805	-	1/1/13/20	8/25/103/115	-
25	CLA	4	302	-	1/1/11/20	3/15/93/115	-
25	CLA	6	613	-	1/1/13/20	9/27/105/115	-
25	CLA	Q	604	-	1/1/12/20	6/19/97/115	-
36	NEX	U	301	-	-	6/27/83/83	0/3/3/3
25	CLA	B	831	-	1/1/15/20	10/37/115/115	-
25	CLA	K	202	-	1/1/11/20	4/13/91/115	-
25	CLA	1	605	-	1/1/12/20	2/22/100/115	-
25	CLA	R	610	-	1/1/14/20	12/36/114/115	-
25	CLA	J	105	-	1/1/10/20	6/10/88/115	-

*Continued on next page...*

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	6	623	-	1/1/14/20	13/31/109/115	-
33	CHL	R	605	14	3/3/16/26	4/15/113/137	-
29	SF4	A	850	2,1	-	-	0/6/5/5
25	CLA	4	313	19	1/1/10/20	0/8/86/115	-
28	BCR	4	321	-	-	7/29/63/63	0/2/2/2
25	CLA	O	202	-	1/1/9/20	0/4/78/115	-
25	CLA	9	311	-	1/1/11/20	0/13/91/115	-
25	CLA	A	842	27	1/1/12/20	11/22/100/115	-
25	CLA	6	620	-	1/1/11/20	6/13/91/115	-
28	BCR	B	845	-	-	4/29/63/63	0/2/2/2
35	XAT	P	620	-	-	4/31/93/93	0/4/4/4
25	CLA	B	806	-	1/1/15/20	10/37/115/115	-
25	CLA	B	830	-	1/1/15/20	16/37/115/115	-
25	CLA	Q	618	-	-	0/8/82/115	-
33	CHL	P	606	-	3/3/16/26	7/20/118/137	-
27	LHG	7	317	25	-	14/41/41/53	-
33	CHL	1	606	-	3/3/16/26	6/18/116/137	-
25	CLA	5	303	-	-	13/37/115/115	-
28	BCR	3	317	-	-	6/29/63/63	0/2/2/2
25	CLA	B	829	-	1/1/11/20	5/18/96/115	-
25	CLA	4	310	-	1/1/12/20	8/22/100/115	-
25	CLA	B	809	-	1/1/15/20	14/37/115/115	-
34	LUT	7	315	-	-	2/29/67/67	0/2/2/2
29	SF4	C	102	3	-	-	0/6/5/5
25	CLA	A	810	1	1/1/15/20	11/37/115/115	-
25	CLA	A	840	-	1/1/15/20	15/37/115/115	-
25	CLA	5	319	-	-	8/15/93/115	-
25	CLA	8	315	23	1/1/11/20	5/15/93/115	-
25	CLA	P	610	-	1/1/14/20	9/31/109/115	-
28	BCR	8	318	-	-	5/29/63/63	0/2/2/2
36	NEX	P	617	-	-	7/27/83/83	0/3/3/3
33	CHL	S	306	-	3/3/16/26	9/18/116/137	-
25	CLA	5	313	-	1/1/13/20	6/27/105/115	-
25	CLA	B	802	-	1/1/15/20	13/37/115/115	-
25	CLA	4	312	-	1/1/11/20	2/13/91/115	-

Continued on next page...

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	LHG	6	618	25	-	23/53/53/53	-
33	CHL	P	607	-	3/3/17/26	10/23/121/137	-
34	LUT	3	315	-	-	0/29/67/67	0/2/2/2
33	CHL	4	322	16	3/3/17/26	5/24/122/137	-
30	DGD	B	848	-	-	16/46/86/95	0/2/2/2
25	CLA	L	205	-	1/1/15/20	11/37/115/115	-
25	CLA	A	837	-	1/1/15/20	10/37/115/115	-
25	CLA	2	302	17	1/1/11/20	11/15/93/115	-
33	CHL	1	601	16	3/3/17/26	5/24/122/137	-
25	CLA	L	202	-	1/1/15/20	12/37/115/115	-
28	BCR	4	317	-	-	8/29/63/63	0/2/2/2
25	CLA	H	203	-	1/1/11/20	8/15/93/115	-
28	BCR	A	849	-	-	6/29/63/63	0/2/2/2
28	BCR	B	851	-	-	3/29/63/63	0/2/2/2
25	CLA	A	818	-	1/1/15/20	15/37/115/115	-
25	CLA	2	303	17	1/1/15/20	13/37/115/115	-
33	CHL	T	605	-	3/3/16/26	7/20/118/137	-
27	LHG	A	852	-	-	24/49/49/53	-
25	CLA	S	320	-	1/1/15/20	11/37/115/115	-
33	CHL	3	306	-	3/3/17/26	9/24/122/137	-
25	CLA	3	314	-	1/1/13/20	13/27/105/115	-
25	CLA	S	314	-	-	20/37/115/115	-
25	CLA	B	805	-	1/1/15/20	16/37/115/115	-
28	BCR	7	316	-	-	2/29/63/63	0/2/2/2
33	CHL	P	619	-	3/3/17/26	10/23/121/137	-
25	CLA	S	305	-	1/1/12/20	6/19/97/115	-
33	CHL	P	605	14	3/3/16/26	6/18/116/137	-
25	CLA	A	839	-	1/1/15/20	11/37/115/115	-
25	CLA	8	306	-	1/1/10/20	3/10/88/115	-
33	CHL	P	601	-	3/3/17/26	8/21/119/137	-
34	LUT	a	314	-	-	2/29/67/67	0/2/2/2
25	CLA	R	612	-	1/1/14/20	13/31/109/115	-
25	CLA	F	802	-	1/1/11/20	3/13/91/115	-
25	CLA	U	304	-	1/1/12/20	6/19/97/115	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	833	-	1/1/14/20	5/31/109/115	-
25	CLA	8	314	-	1/1/13/20	7/25/103/115	-
29	SF4	C	101	3	-	-	0/6/5/5
25	CLA	B	820	-	1/1/13/20	4/30/108/115	-
25	CLA	7	310	-	1/1/12/20	7/22/100/115	-
25	CLA	3	307	-	1/1/12/20	7/19/97/115	-
25	CLA	8	309	-	1/1/11/20	6/15/93/115	-
35	XAT	S	318	-	-	4/31/93/93	0/4/4/4
25	CLA	3	308	-	1/1/15/20	12/37/115/115	-
25	CLA	2	309	-	1/1/14/20	13/31/109/115	-
34	LUT	6	622	-	-	1/29/67/67	0/2/2/2
25	CLA	B	849	-	1/1/15/20	13/37/115/115	-
25	CLA	A	812	-	1/1/15/20	14/37/115/115	-
25	CLA	R	602	-	1/1/15/20	8/37/115/115	-
25	CLA	B	817	-	1/1/15/20	5/37/115/115	-
25	CLA	H	201	-	1/1/11/20	8/15/93/115	-
33	CHL	5	307	-	3/3/17/26	9/21/119/137	-
28	BCR	L	207	-	-	8/29/63/63	0/2/2/2
28	BCR	B	843	-	-	5/29/63/63	0/2/2/2
28	BCR	A	848	-	-	6/29/63/63	0/2/2/2
25	CLA	3	320	22	1/1/15/20	16/37/115/115	-
34	LUT	P	615	-	-	2/29/67/67	0/2/2/2
28	BCR	L	203	-	-	4/29/63/63	0/2/2/2
33	CHL	6	617	21	3/3/15/26	4/12/110/137	-
33	CHL	U	306	-	3/3/16/26	7/20/118/137	-
25	CLA	3	303	-	1/1/15/20	10/37/115/115	-
25	CLA	2	312	-	1/1/15/20	12/37/115/115	-
27	LHG	2	317	-	-	24/53/53/53	-
25	CLA	Q	602	-	1/1/15/20	7/37/115/115	-
25	CLA	B	838	-	1/1/15/20	9/37/115/115	-
27	LHG	R	618	-	-	13/53/53/53	-
25	CLA	7	309	27	1/1/10/20	2/8/86/115	-
28	BCR	L	208	-	-	2/29/63/63	0/2/2/2
25	CLA	A	853	-	1/1/15/20	15/37/115/115	-

*Continued on next page...*



*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	1	602	-	1/1/15/20	9/37/115/115	-
34	LUT	2	315	-	-	6/29/67/67	0/2/2/2
25	CLA	Q	613	-	1/1/11/20	9/17/95/115	-
25	CLA	2	313	-	1/1/13/20	5/25/103/115	-
32	LMG	4	320	-	-	6/35/55/70	0/1/1/1
25	CLA	a	311	-	1/1/15/20	13/37/115/115	-
35	XAT	T	615	-	-	4/31/93/93	0/4/4/4
25	CLA	T	608	-	1/1/15/20	12/37/115/115	-
25	CLA	5	316	-	1/1/10/20	2/11/89/115	-
34	LUT	6	619	-	-	1/29/67/67	0/2/2/2
25	CLA	1	613	-	1/1/15/20	9/37/115/115	-
25	CLA	B	836	-	1/1/15/20	15/37/115/115	-
25	CLA	A	827	-	1/1/15/20	7/37/115/115	-
33	CHL	4	304	-	3/3/15/26	3/10/108/137	-
25	CLA	6	601	19	1/1/14/20	13/33/111/115	-
25	CLA	2	304	-	1/1/15/20	16/37/115/115	-
33	CHL	7	305	-	3/3/17/26	10/25/123/137	-
28	BCR	O	204	-	-	5/29/63/63	0/2/2/2
34	LUT	1	617	-	-	6/29/67/67	0/2/2/2
25	CLA	B	823	-	1/1/15/20	5/37/115/115	-
31	SQD	B	850	-	-	16/46/66/69	0/1/1/1
34	LUT	1	615	-	-	2/29/67/67	0/2/2/2
25	CLA	P	603	-	1/1/15/20	11/37/115/115	-
25	CLA	P	612	-	1/1/14/20	13/31/109/115	-
33	CHL	U	307	-	3/3/17/26	11/24/122/137	-
34	LUT	T	613	-	-	0/29/67/67	0/2/2/2
25	CLA	A	814	-	1/1/15/20	19/37/115/115	-
25	CLA	R	604	-	1/1/12/20	6/19/97/115	-
25	CLA	2	311	-	1/1/12/20	8/22/100/115	-
34	LUT	R	615	-	-	2/29/67/67	0/2/2/2
25	CLA	B	814	-	1/1/13/20	7/25/103/115	-
25	CLA	A	804	-	1/1/15/20	9/37/115/115	-
27	LHG	A	843	-	-	18/53/53/53	-
25	CLA	A	809	1	1/1/15/20	13/37/115/115	-

*Continued on next page...*

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	BCR	J	101	-	-	6/29/63/63	0/2/2/2
25	CLA	A	801	-	1/1/15/20	11/37/115/115	-
25	CLA	3	311	-	1/1/13/20	9/25/103/115	-
25	CLA	B	834	-	1/1/15/20	20/37/115/115	-
25	CLA	8	308	-	1/1/12/20	4/19/97/115	-
25	CLA	1	614	-	1/1/11/20	4/15/93/115	-
25	CLA	A	831	-	1/1/12/20	8/19/97/115	-
25	CLA	5	304	-	1/1/11/20	5/15/93/115	-
25	CLA	A	826	-	1/1/15/20	6/37/115/115	-
25	CLA	4	307	-	1/1/12/20	7/19/97/115	-
34	LUT	3	316	-	-	0/29/67/67	0/2/2/2
28	BCR	A	847	-	-	2/29/63/63	0/2/2/2
25	CLA	A	813	-	1/1/12/20	2/24/102/115	-
25	CLA	A	822	-	1/1/15/20	14/37/115/115	-
25	CLA	8	311	27	1/1/11/20	5/15/93/115	-
28	BCR	A	845	-	-	3/29/63/63	0/2/2/2
25	CLA	H	202	-	1/1/10/20	2/8/86/115	-
25	CLA	1	604	-	1/1/13/20	8/28/106/115	-
33	CHL	R	609	-	3/3/20/26	16/39/137/137	-
28	BCR	G	203	-	-	1/29/63/63	0/2/2/2
33	CHL	P	622	-	3/3/17/26	9/24/122/137	-
27	LHG	B	847	-	-	17/42/42/53	-
35	XAT	Q	616	-	-	4/31/93/93	0/4/4/4
25	CLA	B	822	-	1/1/15/20	14/37/115/115	-
36	NEX	R	617	-	-	6/27/83/83	0/3/3/3
25	CLA	a	302	-	1/1/13/20	8/28/106/115	-
33	CHL	4	305	-	3/3/17/26	5/21/119/137	-
27	LHG	4	319	-	-	7/36/36/53	-
25	CLA	7	308	-	1/1/14/20	10/31/109/115	-
28	BCR	K	206	-	-	10/29/63/63	0/2/2/2
25	CLA	A	830	-	1/1/15/20	14/37/115/115	-
25	CLA	a	303	-	1/1/13/20	10/28/106/115	-
33	CHL	Q	607	-	3/3/15/26	5/13/111/137	-
34	LUT	7	314	-	-	2/29/67/67	0/2/2/2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	825	-	1/1/15/20	13/37/115/115	-
25	CLA	U	302	-	1/1/15/20	8/37/115/115	-
25	CLA	A	821	-	1/1/11/20	1/13/91/115	-
25	CLA	a	301	-	1/1/15/20	10/37/115/115	-
33	CHL	Q	606	-	3/3/16/26	7/20/118/137	-
28	BCR	B	842	-	-	6/29/63/63	0/2/2/2
25	CLA	P	611	-	1/1/10/20	4/8/86/115	-
25	CLA	U	303	-	1/1/15/20	11/37/115/115	-
27	LHG	P	624	-	-	12/53/53/53	-
33	CHL	S	302	-	3/3/17/26	13/24/122/137	-
25	CLA	B	821	-	1/1/14/20	6/31/109/115	-
28	BCR	A	846	-	-	2/29/63/63	0/2/2/2
25	CLA	B	828	-	1/1/12/20	3/19/97/115	-
34	LUT	S	317	-	-	6/29/67/67	0/2/2/2
25	CLA	O	201	-	1/1/10/20	6/8/86/115	-
28	BCR	8	301	-	-	3/29/63/63	0/2/2/2
34	LUT	9	312	-	-	2/29/67/67	0/2/2/2
34	LUT	8	317	-	-	1/29/67/67	0/2/2/2
25	CLA	A	820	-	1/1/15/20	12/37/115/115	-
25	CLA	K	201	-	1/1/12/20	8/21/99/115	-
25	CLA	S	313	-	1/1/14/20	13/31/109/115	-
25	CLA	G	202	-	1/1/11/20	3/15/93/115	-
32	LMG	1	619	-	-	15/41/61/70	0/1/1/1
25	CLA	A	817	-	1/1/13/20	3/28/106/115	-
25	CLA	9	302	-	1/1/11/20	9/15/93/115	-
32	LMG	J	107	-	-	18/50/70/70	0/1/1/1
25	CLA	7	307	-	1/1/12/20	4/19/97/115	-
25	CLA	A	834	1	1/1/11/20	9/13/91/115	-
25	CLA	7	303	-	1/1/13/20	9/27/105/115	-
27	LHG	1	618	25	-	15/47/47/53	-
25	CLA	S	311	-	1/1/14/20	7/31/109/115	-
25	CLA	a	313	-	1/1/11/20	4/15/93/115	-
32	LMG	7	319	-	-	13/31/51/70	0/1/1/1
33	CHL	T	601	-	3/3/16/26	9/20/118/137	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	R	613	-	1/1/15/20	15/37/115/115	-
25	CLA	A	802	-	1/1/15/20	8/37/115/115	-
25	CLA	B	837	-	1/1/15/20	15/37/115/115	-
28	BCR	B	844	-	-	2/29/63/63	0/2/2/2
33	CHL	5	317	-	3/3/15/26	2/12/110/137	-
28	BCR	3	318	-	-	8/29/63/63	0/2/2/2
25	CLA	5	324	-	1/1/15/20	17/37/115/115	-
25	CLA	3	313	-	1/1/11/20	4/15/93/115	-
25	CLA	Q	609	-	1/1/15/20	11/37/115/115	-
25	CLA	a	306	-	1/1/15/20	6/37/115/115	-
25	CLA	8	312	-	1/1/12/20	7/22/100/115	-
33	CHL	P	609	-	3/3/20/26	16/39/137/137	-
34	LUT	T	614	-	-	2/29/67/67	0/2/2/2
28	BCR	B	840	-	-	7/29/63/63	0/2/2/2
34	LUT	R	616	-	-	2/29/67/67	0/2/2/2
34	LUT	5	322	-	-	0/29/67/67	0/2/2/2
25	CLA	A	807	-	1/1/15/20	21/37/115/115	-
27	LHG	8	319	25	-	17/53/53/53	-
26	PQN	A	841	-	-	6/23/43/43	0/2/2/2
25	CLA	R	603	-	1/1/15/20	11/37/115/115	-
25	CLA	A	824	-	1/1/13/20	8/25/103/115	-
27	LHG	a	317	25	-	17/47/47/53	-
25	CLA	6	610	-	1/1/14/20	8/31/109/115	-
34	LUT	Q	614	-	-	0/29/67/67	0/2/2/2
25	CLA	8	313	-	1/1/15/20	11/37/115/115	-
34	LUT	8	316	-	-	1/29/67/67	0/2/2/2
33	CHL	8	307	-	3/3/17/26	11/24/122/137	-
33	CHL	9	306	-	3/3/15/26	5/10/108/137	-
25	CLA	Q	610	-	1/1/9/20	0/8/82/115	-
25	CLA	3	304	-	1/1/10/20	0/10/88/115	-
33	CHL	U	305	14	3/3/16/26	7/15/113/137	-
27	LHG	A	844	25	-	14/42/42/53	-
25	CLA	9	301	-	1/1/13/20	5/25/101/115	-
28	BCR	O	205	-	-	4/29/63/63	0/2/2/2
25	CLA	A	816	-	1/1/15/20	12/37/115/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	B	812	-	1/1/14/20	10/31/109/115	-
25	CLA	2	314	-	1/1/11/20	5/15/93/115	-
25	CLA	5	315	20	1/1/11/20	6/15/93/115	-
25	CLA	1	603	-	1/1/15/20	10/37/115/115	-
25	CLA	K	205	-	1/1/11/20	6/13/91/115	-
25	CLA	8	304	-	1/1/11/20	8/13/91/115	-
25	CLA	S	303	15	1/1/15/20	11/37/115/115	-
25	CLA	B	811	-	1/1/15/20	15/37/115/115	-
25	CLA	L	209	-	1/1/10/20	4/8/86/115	-
25	CLA	B	818	-	1/1/13/20	9/27/105/115	-
33	CHL	9	307	-	3/3/17/26	6/21/119/137	-
32	LMG	H	204	-	-	14/42/62/70	0/1/1/1
33	CHL	U	308	-	3/3/15/26	5/13/111/137	-
25	CLA	4	308	19	1/1/14/20	12/31/109/115	-
25	CLA	T	602	-	1/1/15/20	7/37/115/115	-
33	CHL	4	306	-	3/3/17/26	4/21/119/137	-
28	BCR	B	841	-	-	4/29/63/63	0/2/2/2
34	LUT	4	316	-	-	4/29/67/67	0/2/2/2
25	CLA	A	835	-	1/1/12/20	6/21/99/115	-
25	CLA	U	311	-	1/1/11/20	7/25/96/115	-
25	CLA	7	304	-	1/1/10/20	8/10/88/115	-
33	CHL	T	606	-	3/3/15/26	5/13/111/137	-
33	CHL	6	606	-	3/3/17/26	7/24/122/137	-
25	CLA	B	819	-	1/1/11/20	6/15/93/115	-
25	CLA	5	309	-	1/1/12/20	10/19/97/115	-
25	CLA	6	609	-	1/1/12/20	8/19/97/115	-
25	CLA	A	829	-	1/1/15/20	10/37/115/115	-
25	CLA	J	103	-	1/1/13/20	11/29/107/115	-
34	LUT	9	313	-	-	2/29/67/67	0/2/2/2
25	CLA	a	309	27	1/1/15/20	10/37/115/115	-
25	CLA	P	613	-	1/1/13/20	9/29/107/115	-
25	CLA	B	835	-	1/1/11/20	4/16/94/115	-
25	CLA	2	307	-	1/1/12/20	6/19/97/115	-
33	CHL	R	608	-	3/3/15/26	5/13/111/137	-

Continued on next page...

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	K	204	-	1/1/11/20	7/13/91/115	-
28	BCR	3	319	-	-	6/29/63/63	0/2/2/2
32	LMG	7	318	-	-	11/30/50/70	0/1/1/1
33	CHL	5	308	-	3/3/17/26	6/21/119/137	-
34	LUT	5	318	-	-	0/29/67/67	0/2/2/2
25	CLA	A	833	-	1/1/12/20	0/19/97/115	-
25	CLA	a	310	-	1/1/12/20	8/22/100/115	-
34	LUT	S	316	-	-	5/29/67/67	0/2/2/2
25	CLA	5	314	-	1/1/11/20	5/13/91/115	-
33	CHL	6	608	-	3/3/17/26	10/21/119/137	-
33	CHL	S	310	15	3/3/17/26	7/23/121/137	-
27	LHG	Q	617	-	-	13/53/53/53	-
25	CLA	2	305	-	1/1/12/20	7/22/100/115	-
25	CLA	6	605	-	1/1/15/20	11/37/115/115	-
25	CLA	P	602	-	1/1/15/20	7/37/115/115	-
25	CLA	9	304	-	1/1/11/20	6/15/93/115	-
28	BCR	A	854	-	-	2/29/63/63	0/2/2/2
25	CLA	6	603	-	1/1/15/20	11/37/115/115	-
33	CHL	Q	608	-	3/3/20/26	16/39/137/137	-
33	CHL	4	314	19	3/3/15/26	4/12/110/137	-
27	LHG	5	321	-	-	13/41/41/53	-
25	CLA	3	310	-	1/1/11/20	5/15/93/115	-
25	CLA	B	808	2	1/1/15/20	8/37/115/115	-
25	CLA	S	304	-	1/1/15/20	12/37/115/115	-
25	CLA	6	612	-	1/1/12/20	3/22/100/115	-
25	CLA	A	828	-	1/1/15/20	15/37/115/115	-
25	CLA	6	614	-	1/1/11/20	3/13/91/115	-
36	NEX	U	316	-	-	7/27/83/83	0/3/3/3
28	BCR	5	320	-	-	9/29/63/63	0/2/2/2
25	CLA	8	310	-	1/1/14/20	8/31/109/115	-
25	CLA	Q	612	-	1/1/14/20	11/31/109/115	-
25	CLA	R	611	-	1/1/14/20	9/31/109/115	-
25	CLA	B	804	-	1/1/15/20	13/37/115/115	-
25	CLA	7	306	-	1/1/12/20	2/19/97/115	-

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	LMG	2	301	-	-	12/36/56/70	0/1/1/1
28	BCR	F	801	-	-	4/29/63/63	0/2/2/2
25	CLA	B	813	-	1/1/13/20	8/28/106/115	-
25	CLA	9	305	-	1/1/12/20	7/19/97/115	-
25	CLA	3	309	-	1/1/10/20	4/8/86/115	-
25	CLA	B	826	-	1/1/15/20	17/37/115/115	-
25	CLA	9	310	24	1/1/12/20	10/19/97/115	-
25	CLA	7	311	-	1/1/15/20	13/37/115/115	-
25	CLA	S	301	-	1/1/11/20	7/16/94/115	-
25	CLA	P	604	-	1/1/12/20	6/19/97/115	-
32	LMG	6	602	-	-	12/35/55/70	0/1/1/1
25	CLA	5	305	-	1/1/12/20	2/19/97/115	-
25	CLA	1	608	-	1/1/15/20	11/37/115/115	-
25	CLA	3	312	-	1/1/11/20	4/13/91/115	-
25	CLA	8	302	23	1/1/15/20	13/37/115/115	-
25	CLA	A	815	-	1/1/14/20	15/31/109/115	-
25	CLA	U	312	-	1/1/15/20	15/37/115/115	-
25	CLA	a	308	16	1/1/14/20	7/31/109/115	-
25	CLA	5	302	20	1/1/15/20	10/37/115/115	-
25	CLA	A	832	-	1/1/15/20	13/37/115/115	-
25	CLA	1	612	-	1/1/15/20	14/37/115/115	-
25	CLA	9	309	-	1/1/14/20	10/31/109/115	-
25	CLA	5	310	-	1/1/14/20	5/31/109/115	-
25	CLA	T	611	-	1/1/14/20	11/31/109/115	-
28	BCR	F	803	-	-	2/29/63/63	0/2/2/2
27	LHG	S	319	-	-	10/53/53/53	-
27	LHG	T	617	-	-	12/53/53/53	-
25	CLA	R	614	-	1/1/11/20	9/17/95/115	-
33	CHL	S	308	-	3/3/17/26	6/23/121/137	-
25	CLA	B	832	-	1/1/11/20	5/13/91/115	-
33	CHL	T	607	-	3/3/17/26	6/23/121/137	-
28	BCR	L	204	-	-	7/29/63/63	0/2/2/2
25	CLA	5	311	-	1/1/13/20	8/25/103/115	-
33	CHL	T	604	14	3/3/16/26	3/18/116/137	-

*Continued on next page...*

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
25	CLA	3	302	-	1/1/15/20	8/37/115/115	-
33	CHL	Q	605	14	3/3/15/26	1/10/108/137	-
33	CHL	Q	601	-	3/3/17/26	8/21/119/137	-
25	CLA	6	611	27	1/1/13/20	6/25/103/115	-
33	CHL	U	309	-	3/3/16/26	3/18/116/137	-
25	CLA	A	838	-	1/1/15/20	12/37/115/115	-

All (3554) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	S	303	CLA	C4B-NB	7.98	1.42	1.35
25	Q	613	CLA	C4B-NB	7.93	1.42	1.35
25	R	610	CLA	C4B-NB	7.83	1.42	1.35
25	R	603	CLA	C4B-NB	7.79	1.42	1.35
25	Q	612	CLA	C4B-NB	7.77	1.42	1.35
25	6	612	CLA	C4B-NB	7.74	1.42	1.35
25	R	604	CLA	C4B-NB	7.72	1.42	1.35
25	Q	603	CLA	C4B-NB	7.72	1.42	1.35
25	T	610	CLA	C4B-NB	7.67	1.42	1.35
25	R	602	CLA	C4B-NB	7.66	1.42	1.35
25	Q	604	CLA	C4B-NB	7.64	1.42	1.35
25	Q	602	CLA	C4B-NB	7.62	1.42	1.35
25	K	204	CLA	C4B-NB	7.62	1.42	1.35
25	U	302	CLA	C4B-NB	7.61	1.42	1.35
25	U	310	CLA	C4B-NB	7.57	1.42	1.35
25	S	313	CLA	C4B-NB	7.53	1.41	1.35
25	4	302	CLA	C4B-NB	7.52	1.41	1.35
25	9	311	CLA	C4B-NB	7.52	1.41	1.35
25	a	310	CLA	C4B-NB	7.52	1.41	1.35
25	U	303	CLA	C4B-NB	7.50	1.41	1.35
25	U	312	CLA	C4B-NB	7.48	1.41	1.35
25	a	304	CLA	C4B-NB	7.46	1.41	1.35
25	P	603	CLA	C4B-NB	7.45	1.41	1.35
25	T	611	CLA	C4B-NB	7.44	1.41	1.35
25	S	304	CLA	C4B-NB	7.43	1.41	1.35
25	T	602	CLA	C4B-NB	7.43	1.41	1.35
25	U	311	CLA	C4B-NB	7.43	1.41	1.35
25	2	306	CLA	C4B-NB	7.41	1.41	1.35
25	Q	609	CLA	C4B-NB	7.40	1.41	1.35
25	4	310	CLA	C4B-NB	7.38	1.41	1.35
25	a	301	CLA	C4B-NB	7.33	1.41	1.35

Continued on next page...



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	T	612	CLA	C4B-NB	7.33	1.41	1.35
25	S	305	CLA	C4B-NB	7.33	1.41	1.35
25	P	613	CLA	C4B-NB	7.32	1.41	1.35
25	1	605	CLA	C4B-NB	7.32	1.41	1.35
25	P	602	CLA	C4B-NB	7.31	1.41	1.35
25	S	301	CLA	C4B-NB	7.31	1.41	1.35
25	6	613	CLA	C4B-NB	7.30	1.41	1.35
25	S	314	CLA	C4B-NB	7.30	1.41	1.35
25	S	320	CLA	C4B-NB	7.30	1.41	1.35
25	U	304	CLA	C4B-NB	7.30	1.41	1.35
25	a	307	CLA	C4B-NB	7.30	1.41	1.35
25	P	604	CLA	C4B-NB	7.30	1.41	1.35
25	R	614	CLA	C4B-NB	7.28	1.41	1.35
25	T	603	CLA	C4B-NB	7.28	1.41	1.35
25	4	307	CLA	C4B-NB	7.27	1.41	1.35
25	P	610	CLA	C4B-NB	7.26	1.41	1.35
25	5	312	CLA	C4B-NB	7.26	1.41	1.35
25	9	302	CLA	C4B-NB	7.23	1.41	1.35
25	9	310	CLA	C4B-NB	7.22	1.41	1.35
25	S	311	CLA	C4B-NB	7.19	1.41	1.35
25	2	305	CLA	C4B-NB	7.19	1.41	1.35
25	K	205	CLA	C4B-NB	7.15	1.41	1.35
25	2	313	CLA	C4B-NB	7.15	1.41	1.35
25	T	608	CLA	C4B-NB	7.14	1.41	1.35
25	4	313	CLA	C4B-NB	7.14	1.41	1.35
25	R	613	CLA	C4B-NB	7.13	1.41	1.35
25	a	309	CLA	C4B-NB	7.13	1.41	1.35
25	a	313	CLA	C4B-NB	7.13	1.41	1.35
25	9	305	CLA	C4B-NB	7.11	1.41	1.35
25	Q	611	CLA	C4B-NB	7.11	1.41	1.35
25	2	314	CLA	C4B-NB	7.11	1.41	1.35
25	4	312	CLA	C4B-NB	7.09	1.41	1.35
25	5	314	CLA	C4B-NB	7.09	1.41	1.35
25	a	302	CLA	C4B-NB	7.09	1.41	1.35
25	B	835	CLA	C4B-NB	7.08	1.41	1.35
25	a	312	CLA	C4B-NB	7.08	1.41	1.35
25	3	304	CLA	C4B-NB	7.07	1.41	1.35
25	5	302	CLA	C4B-NB	7.06	1.41	1.35
25	G	201	CLA	C4B-NB	7.05	1.41	1.35
25	3	312	CLA	C4B-NB	7.05	1.41	1.35
25	O	202	CLA	C4B-NB	7.03	1.41	1.35
25	5	319	CLA	C4B-NB	7.02	1.41	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	304	CLA	C4B-NB	7.01	1.41	1.35
25	S	312	CLA	C4B-NB	7.01	1.41	1.35
25	Q	618	CLA	C4B-NB	7.01	1.41	1.35
25	1	612	CLA	C4B-NB	7.00	1.41	1.35
25	1	611	CLA	C4B-NB	6.99	1.41	1.35
25	3	302	CLA	C4B-NB	6.98	1.41	1.35
25	3	309	CLA	C4B-NB	6.98	1.41	1.35
25	B	830	CLA	C4B-NB	6.97	1.41	1.35
25	8	306	CLA	C4B-NB	6.97	1.41	1.35
25	2	302	CLA	C4B-NB	6.96	1.41	1.35
25	8	309	CLA	C4B-NB	6.96	1.41	1.35
25	2	312	CLA	C4B-NB	6.95	1.41	1.35
25	3	310	CLA	C4B-NB	6.95	1.41	1.35
25	9	309	CLA	C4B-NB	6.95	1.41	1.35
25	A	836	CLA	C4B-NB	6.94	1.41	1.35
25	9	308	CLA	C4B-NB	6.94	1.41	1.35
25	8	311	CLA	C4B-NB	6.94	1.41	1.35
25	J	103	CLA	C4B-NB	6.94	1.41	1.35
25	T	609	CLA	C4B-NB	6.94	1.41	1.35
25	1	614	CLA	C4B-NB	6.93	1.41	1.35
25	1	607	CLA	C4B-NB	6.92	1.41	1.35
25	a	306	CLA	C4B-NB	6.91	1.41	1.35
25	H	202	CLA	C4B-NB	6.89	1.41	1.35
25	2	308	CLA	C4B-NB	6.89	1.41	1.35
25	8	315	CLA	C4B-NB	6.87	1.41	1.35
25	6	604	CLA	C4B-NB	6.87	1.41	1.35
25	4	311	CLA	C4B-NB	6.87	1.41	1.35
25	O	203	CLA	C4B-NB	6.86	1.41	1.35
25	L	209	CLA	C4B-NB	6.86	1.41	1.35
25	A	816	CLA	C4B-NB	6.85	1.41	1.35
25	8	313	CLA	C4B-NB	6.85	1.41	1.35
25	a	311	CLA	C4B-NB	6.84	1.41	1.35
25	2	309	CLA	C4B-NB	6.84	1.41	1.35
25	a	303	CLA	C4B-NB	6.84	1.41	1.35
25	A	817	CLA	C4B-NB	6.84	1.41	1.35
25	A	811	CLA	C4B-NB	6.84	1.41	1.35
25	6	616	CLA	C4B-NB	6.83	1.41	1.35
25	K	203	CLA	C4B-NB	6.83	1.41	1.35
25	B	818	CLA	C4B-NB	6.83	1.41	1.35
25	2	310	CLA	C4B-NB	6.83	1.41	1.35
25	R	611	CLA	C4B-NB	6.82	1.41	1.35
25	8	314	CLA	C4B-NB	6.82	1.41	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	824	CLA	C4B-NB	6.81	1.41	1.35
25	H	201	CLA	C4B-NB	6.81	1.41	1.35
25	1	613	CLA	C4B-NB	6.81	1.41	1.35
25	1	602	CLA	C4B-NB	6.80	1.41	1.35
25	7	306	CLA	C4B-NB	6.80	1.41	1.35
25	6	610	CLA	C4B-NB	6.79	1.41	1.35
25	1	604	CLA	C4B-NB	6.79	1.41	1.35
25	B	806	CLA	C4B-NB	6.79	1.41	1.35
25	G	202	CLA	C4B-NB	6.78	1.41	1.35
25	B	832	CLA	C4B-NB	6.78	1.41	1.35
25	A	808	CLA	C4B-NB	6.78	1.41	1.35
25	7	312	CLA	C4B-NB	6.78	1.41	1.35
25	B	838	CLA	C4B-NB	6.76	1.41	1.35
25	1	608	CLA	C4B-NB	6.76	1.41	1.35
25	5	306	CLA	C4B-NB	6.76	1.41	1.35
25	A	827	CLA	C4B-NB	6.75	1.41	1.35
25	O	201	CLA	C4B-NB	6.74	1.41	1.35
25	5	324	CLA	C4B-NB	6.73	1.41	1.35
25	A	830	CLA	C4B-NB	6.72	1.41	1.35
25	B	849	CLA	C4B-NB	6.72	1.41	1.35
25	A	853	CLA	C4B-NB	6.71	1.41	1.35
26	A	841	PQN	C3-C2	6.71	1.47	1.35
25	6	601	CLA	C4B-NB	6.71	1.41	1.35
25	5	311	CLA	C4B-NB	6.70	1.41	1.35
25	7	304	CLA	C4B-NB	6.70	1.41	1.35
25	B	817	CLA	C4B-NB	6.69	1.41	1.35
25	6	623	CLA	C4B-NB	6.69	1.41	1.35
25	B	831	CLA	C4B-NB	6.68	1.41	1.35
25	B	821	CLA	C4B-NB	6.68	1.41	1.35
25	9	304	CLA	C4B-NB	6.67	1.41	1.35
25	A	818	CLA	C4B-NB	6.67	1.41	1.35
25	7	309	CLA	C4B-NB	6.67	1.41	1.35
25	F	802	CLA	C4B-NB	6.67	1.41	1.35
25	B	827	CLA	C4B-NB	6.66	1.41	1.35
25	A	834	CLA	C4B-NB	6.66	1.41	1.35
25	6	609	CLA	C4B-NB	6.66	1.41	1.35
25	B	837	CLA	C4B-NB	6.65	1.41	1.35
25	6	620	CLA	C4B-NB	6.65	1.41	1.35
25	1	610	CLA	C4B-NB	6.65	1.41	1.35
25	A	839	CLA	C4B-NB	6.64	1.41	1.35
25	8	302	CLA	C4B-NB	6.64	1.41	1.35
25	S	315	CLA	C4B-NB	6.63	1.41	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	7	307	CLA	C4B-NB	6.63	1.41	1.35
25	1	603	CLA	C4B-NB	6.62	1.41	1.35
25	6	605	CLA	C4B-NB	6.62	1.41	1.35
25	5	305	CLA	C4B-NB	6.62	1.41	1.35
25	8	304	CLA	C4B-NB	6.62	1.41	1.35
25	A	809	CLA	C4B-NB	6.61	1.41	1.35
25	4	309	CLA	C4B-NB	6.61	1.41	1.35
25	2	303	CLA	C4B-NB	6.61	1.41	1.35
25	K	202	CLA	C4B-NB	6.60	1.41	1.35
25	H	203	CLA	C4B-NB	6.59	1.41	1.35
26	B	839	PQN	C3-C2	6.59	1.47	1.35
25	B	819	CLA	C4B-NB	6.58	1.41	1.35
25	7	303	CLA	C4B-NB	6.57	1.41	1.35
25	B	804	CLA	C4B-NB	6.57	1.41	1.35
25	7	311	CLA	C4B-NB	6.56	1.41	1.35
25	8	312	CLA	C4B-NB	6.56	1.41	1.35
25	7	313	CLA	C4B-NB	6.55	1.41	1.35
25	3	305	CLA	C4B-NB	6.55	1.41	1.35
25	5	313	CLA	C4B-NB	6.55	1.41	1.35
25	A	840	CLA	C4B-NB	6.53	1.41	1.35
25	A	821	CLA	C4B-NB	6.52	1.41	1.35
25	A	812	CLA	C4B-NB	6.52	1.41	1.35
25	8	305	CLA	C4B-NB	6.52	1.41	1.35
25	B	813	CLA	C4B-NB	6.52	1.41	1.35
25	6	614	CLA	C4B-NB	6.52	1.41	1.35
25	A	837	CLA	C4B-NB	6.51	1.41	1.35
25	7	310	CLA	C4B-NB	6.51	1.41	1.35
25	B	820	CLA	C4B-NB	6.51	1.41	1.35
25	K	201	CLA	C4B-NB	6.50	1.41	1.35
25	A	833	CLA	C4B-NB	6.50	1.41	1.35
25	9	301	CLA	C4B-NB	6.49	1.41	1.35
25	A	842	CLA	C4B-NB	6.48	1.41	1.35
25	B	828	CLA	C4B-NB	6.48	1.41	1.35
25	B	836	CLA	C4B-NB	6.48	1.41	1.35
25	B	822	CLA	C4B-NB	6.47	1.41	1.35
25	B	807	CLA	C4B-NB	6.47	1.41	1.35
25	7	301	CLA	C4B-NB	6.46	1.41	1.35
25	3	311	CLA	C4B-NB	6.46	1.41	1.35
25	8	303	CLA	C4B-NB	6.46	1.41	1.35
25	2	307	CLA	C4B-NB	6.46	1.41	1.35
25	6	615	CLA	C4B-NB	6.45	1.41	1.35
25	9	303	CLA	C4B-NB	6.45	1.41	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	802	CLA	C4B-NB	6.43	1.40	1.35
25	J	105	CLA	C4B-NB	6.43	1.40	1.35
25	4	303	CLA	C4B-NB	6.42	1.40	1.35
25	6	611	CLA	C4B-NB	6.42	1.40	1.35
25	8	308	CLA	C4B-NB	6.42	1.40	1.35
25	A	823	CLA	C4B-NB	6.42	1.40	1.35
25	A	819	CLA	C4B-NB	6.41	1.40	1.35
25	B	810	CLA	C4B-NB	6.41	1.40	1.35
25	B	808	CLA	C4B-NB	6.40	1.40	1.35
25	A	807	CLA	C4B-NB	6.40	1.40	1.35
25	B	815	CLA	C4B-NB	6.40	1.40	1.35
25	B	803	CLA	C4B-NB	6.39	1.40	1.35
25	4	301	CLA	C4B-NB	6.39	1.40	1.35
25	A	810	CLA	C4B-NB	6.38	1.40	1.35
25	2	311	CLA	C4B-NB	6.38	1.40	1.35
25	B	834	CLA	C4B-NB	6.37	1.40	1.35
25	3	314	CLA	C4B-NB	6.36	1.40	1.35
25	B	829	CLA	C4B-NB	6.36	1.40	1.35
25	B	809	CLA	C4B-NB	6.35	1.40	1.35
25	A	805	CLA	C4B-NB	6.35	1.40	1.35
25	L	206	CLA	C4B-NB	6.34	1.40	1.35
25	7	302	CLA	C4B-NB	6.34	1.40	1.35
25	5	315	CLA	C4B-NB	6.34	1.40	1.35
25	U	313	CLA	C4B-NB	6.33	1.40	1.35
25	A	838	CLA	C4B-NB	6.32	1.40	1.35
25	5	309	CLA	C4B-NB	6.31	1.40	1.35
25	A	831	CLA	C4B-NB	6.31	1.40	1.35
25	B	814	CLA	C4B-NB	6.30	1.40	1.35
25	H	205	CLA	C4B-NB	6.29	1.40	1.35
25	B	812	CLA	C4B-NB	6.29	1.40	1.35
25	A	804	CLA	C4B-NB	6.28	1.40	1.35
25	B	805	CLA	C4B-NB	6.26	1.40	1.35
25	8	310	CLA	C4B-NB	6.25	1.40	1.35
25	B	816	CLA	C4B-NB	6.24	1.40	1.35
25	3	301	CLA	C4B-NB	6.22	1.40	1.35
25	B	826	CLA	C4B-NB	6.22	1.40	1.35
25	6	603	CLA	C4B-NB	6.22	1.40	1.35
25	3	313	CLA	C4B-NB	6.22	1.40	1.35
25	Q	610	CLA	C4B-NB	6.21	1.40	1.35
25	A	813	CLA	C4B-NB	6.21	1.40	1.35
25	5	304	CLA	C4B-NB	6.20	1.40	1.35
25	A	815	CLA	C4B-NB	6.19	1.40	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	801	CLA	C4B-NB	6.18	1.40	1.35
25	A	822	CLA	C4B-NB	6.18	1.40	1.35
25	A	851	CLA	C4B-NB	6.18	1.40	1.35
25	A	828	CLA	C4B-NB	6.16	1.40	1.35
25	7	308	CLA	C4B-NB	6.15	1.40	1.35
25	A	829	CLA	C4B-NB	6.15	1.40	1.35
25	5	316	CLA	C4B-NB	6.12	1.40	1.35
25	B	802	CLA	C4B-NB	6.11	1.40	1.35
25	L	202	CLA	C4B-NB	6.08	1.40	1.35
25	3	307	CLA	C4B-NB	6.08	1.40	1.35
25	L	201	CLA	C4B-NB	6.05	1.40	1.35
25	B	824	CLA	C4B-NB	6.04	1.40	1.35
25	3	308	CLA	C4B-NB	6.02	1.40	1.35
25	3	303	CLA	C4B-NB	6.00	1.40	1.35
25	A	825	CLA	C4B-NB	5.99	1.40	1.35
25	A	814	CLA	C4B-NB	5.97	1.40	1.35
25	4	308	CLA	C4B-NB	5.97	1.40	1.35
25	A	835	CLA	C4B-NB	5.96	1.40	1.35
25	B	823	CLA	C4B-NB	5.96	1.40	1.35
25	A	832	CLA	C4B-NB	5.95	1.40	1.35
25	B	811	CLA	C4B-NB	5.95	1.40	1.35
25	a	308	CLA	C4B-NB	5.90	1.40	1.35
25	5	303	CLA	C4B-NB	5.89	1.40	1.35
25	B	825	CLA	C4B-NB	5.85	1.40	1.35
25	L	205	CLA	C4B-NB	5.84	1.40	1.35
25	A	826	CLA	C4B-NB	5.84	1.40	1.35
25	A	820	CLA	C4B-NB	5.83	1.40	1.35
25	A	801	CLA	C4B-NB	5.81	1.40	1.35
25	3	320	CLA	C4B-NB	5.79	1.40	1.35
25	5	310	CLA	C4B-NB	5.73	1.40	1.35
25	A	806	CLA	C4B-NB	5.70	1.40	1.35
25	1	609	CLA	C4B-NB	5.67	1.40	1.35
25	B	833	CLA	C4B-NB	5.67	1.40	1.35
25	A	803	CLA	C4B-NB	5.59	1.40	1.35
33	Q	608	CHL	CMC-C2C	5.40	1.56	1.45
33	P	609	CHL	CMC-C2C	5.37	1.56	1.45
33	R	609	CHL	CMC-C2C	5.35	1.56	1.45
33	T	601	CHL	C3B-C2B	5.33	1.47	1.40
33	T	601	CHL	CHD-C1D	5.33	1.48	1.38
33	8	307	CHL	O2D-CGD	5.31	1.46	1.33
33	P	601	CHL	C3B-C2B	5.21	1.47	1.40
33	S	307	CHL	CHC-C1C	5.21	1.48	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	R	601	CHL	C3B-C2B	5.21	1.47	1.40
33	Q	601	CHL	C3B-C2B	5.20	1.47	1.40
33	R	601	CHL	CHD-C1D	5.18	1.48	1.38
33	Q	601	CHL	CHD-C1D	5.18	1.48	1.38
33	U	309	CHL	CHD-C1D	5.18	1.48	1.38
33	4	305	CHL	O2D-CGD	5.17	1.45	1.33
33	P	601	CHL	CHD-C1D	5.17	1.48	1.38
33	T	601	CHL	C2C-C3C	5.16	1.47	1.36
33	P	622	CHL	O2D-CGD	5.14	1.45	1.33
33	R	605	CHL	CHD-C1D	5.14	1.48	1.38
33	U	305	CHL	O2D-CGD	5.13	1.45	1.33
33	P	601	CHL	C2C-C3C	5.13	1.47	1.36
33	Q	601	CHL	C2C-C3C	5.13	1.47	1.36
33	T	601	CHL	O2D-CGD	5.11	1.45	1.33
33	R	601	CHL	C2C-C3C	5.11	1.47	1.36
33	U	309	CHL	O2D-CGD	5.10	1.45	1.33
33	Q	601	CHL	O2D-CGD	5.09	1.45	1.33
33	R	601	CHL	O2D-CGD	5.09	1.45	1.33
33	S	302	CHL	O2D-CGD	5.09	1.45	1.33
33	P	622	CHL	CHD-C1D	5.09	1.48	1.38
33	Q	606	CHL	O2D-CGD	5.09	1.45	1.33
33	P	622	CHL	C3B-C2B	5.08	1.47	1.40
33	P	601	CHL	O2D-CGD	5.08	1.45	1.33
33	U	309	CHL	CHC-C1C	5.08	1.48	1.35
33	T	607	CHL	C2C-C3C	5.08	1.47	1.36
33	R	606	CHL	O2D-CGD	5.08	1.45	1.33
33	P	622	CHL	CHC-C1C	5.07	1.48	1.35
33	S	308	CHL	O2D-CGD	5.07	1.45	1.33
33	4	305	CHL	CHC-C1C	5.07	1.48	1.35
33	S	307	CHL	CHD-C1D	5.07	1.48	1.38
33	Q	605	CHL	O2D-CGD	5.06	1.45	1.33
33	S	310	CHL	O2D-CGD	5.06	1.45	1.33
33	T	607	CHL	C3B-C2B	5.06	1.47	1.40
33	U	309	CHL	C2C-C3C	5.06	1.47	1.36
33	S	306	CHL	O2D-CGD	5.05	1.45	1.33
33	T	604	CHL	O2D-CGD	5.05	1.45	1.33
33	P	619	CHL	O2D-CGD	5.05	1.45	1.33
33	1	606	CHL	CHC-C1C	5.05	1.47	1.35
33	4	314	CHL	O2D-CGD	5.04	1.45	1.33
33	P	607	CHL	O2D-CGD	5.04	1.45	1.33
33	9	307	CHL	O2D-CGD	5.03	1.45	1.33
33	S	309	CHL	O2D-CGD	5.03	1.45	1.33

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	T	607	CHL	O2D-CGD	5.03	1.45	1.33
33	U	309	CHL	C3B-C2B	5.01	1.47	1.40
33	R	607	CHL	O2D-CGD	5.01	1.45	1.33
33	6	606	CHL	O2D-CGD	5.01	1.45	1.33
33	T	605	CHL	C3B-C2B	5.00	1.47	1.40
33	R	601	CHL	CHC-C1C	5.00	1.47	1.35
33	P	601	CHL	CHC-C1C	4.99	1.47	1.35
33	T	601	CHL	CHC-C1C	4.99	1.47	1.35
33	R	605	CHL	C2C-C3C	4.98	1.47	1.36
33	Q	601	CHL	CHC-C1C	4.98	1.47	1.35
33	4	304	CHL	O2D-CGD	4.97	1.45	1.33
25	a	303	CLA	C2-C3	4.97	1.44	1.33
33	T	607	CHL	CHD-C1D	4.97	1.48	1.38
33	S	307	CHL	O2D-CGD	4.97	1.45	1.33
33	T	607	CHL	CHC-C1C	4.96	1.47	1.35
33	U	306	CHL	C3B-C2B	4.95	1.47	1.40
33	S	306	CHL	CHD-C1D	4.94	1.48	1.38
33	P	606	CHL	O2D-CGD	4.94	1.45	1.33
33	P	605	CHL	O2D-CGD	4.94	1.45	1.33
33	R	608	CHL	O2D-CGD	4.93	1.45	1.33
33	T	605	CHL	O2D-CGD	4.93	1.45	1.33
33	Q	607	CHL	O2D-CGD	4.93	1.45	1.33
33	4	305	CHL	CHD-C1D	4.93	1.48	1.38
33	R	605	CHL	O2D-CGD	4.92	1.45	1.33
33	T	606	CHL	O2D-CGD	4.92	1.45	1.33
33	6	607	CHL	O2D-CGD	4.92	1.45	1.33
33	P	608	CHL	O2D-CGD	4.91	1.45	1.33
33	a	305	CHL	CHC-C1C	4.91	1.47	1.35
33	9	306	CHL	C3A-C2A	-4.91	1.49	1.54
33	6	617	CHL	O2D-CGD	4.90	1.45	1.33
33	T	606	CHL	C2C-C3C	4.90	1.47	1.36
33	Q	606	CHL	C3B-C2B	4.89	1.47	1.40
33	R	605	CHL	CHC-C1C	4.89	1.47	1.35
33	a	305	CHL	CHD-C1D	4.89	1.47	1.38
33	7	305	CHL	O2D-CGD	4.88	1.45	1.33
33	T	604	CHL	C2C-C3C	4.88	1.47	1.36
33	P	605	CHL	C2C-C3C	4.87	1.47	1.36
33	Q	607	CHL	CHD-C1D	4.87	1.47	1.38
33	U	306	CHL	O2D-CGD	4.87	1.45	1.33
33	U	308	CHL	O2D-CGD	4.87	1.45	1.33
33	P	608	CHL	CHD-C1D	4.86	1.47	1.38
33	R	608	CHL	CHD-C1D	4.86	1.47	1.38

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	U	308	CHL	CHD-C1D	4.86	1.47	1.38
33	U	307	CHL	O2D-CGD	4.86	1.45	1.33
33	9	306	CHL	O2D-CGD	4.86	1.45	1.33
33	S	307	CHL	C2C-C3C	4.86	1.47	1.36
33	S	321	CHL	C2C-C3C	4.85	1.47	1.36
33	U	306	CHL	C2C-C3C	4.85	1.47	1.36
33	4	322	CHL	O2D-CGD	4.85	1.45	1.33
33	R	606	CHL	CHC-C1C	4.84	1.47	1.35
33	5	317	CHL	O2D-CGD	4.84	1.45	1.33
33	S	321	CHL	C3B-C2B	4.83	1.47	1.40
33	S	302	CHL	CHC-C1C	4.83	1.47	1.35
33	U	305	CHL	C2C-C3C	4.83	1.47	1.36
33	U	307	CHL	C2C-C3C	4.82	1.47	1.36
25	P	611	CLA	CHC-C1C	4.82	1.47	1.35
33	P	619	CHL	C3B-C2B	4.80	1.47	1.40
33	S	310	CHL	C3B-C2B	4.80	1.47	1.40
33	a	305	CHL	O2D-CGD	4.80	1.44	1.33
33	T	604	CHL	CHC-C1C	4.79	1.47	1.35
33	T	606	CHL	CHD-C1D	4.79	1.47	1.38
33	Q	605	CHL	C3A-C2A	-4.79	1.50	1.54
33	S	306	CHL	C2C-C3C	4.79	1.47	1.36
33	S	310	CHL	CHD-C1D	4.79	1.47	1.38
33	P	607	CHL	C3B-C2B	4.78	1.47	1.40
33	P	606	CHL	C3B-C2B	4.78	1.47	1.40
33	S	310	CHL	CHC-C1C	4.77	1.47	1.35
33	U	307	CHL	CHC-C1C	4.77	1.47	1.35
33	Q	605	CHL	C2C-C3C	4.76	1.46	1.36
33	R	605	CHL	C3B-C2B	4.76	1.47	1.40
33	Q	605	CHL	CHD-C1D	4.76	1.47	1.38
33	U	305	CHL	C3B-C2B	4.76	1.47	1.40
33	T	606	CHL	CHC-C1C	4.76	1.47	1.35
33	U	306	CHL	CHC-C1C	4.76	1.47	1.35
33	R	607	CHL	C3B-C2B	4.76	1.47	1.40
33	8	307	CHL	CHC-C1C	4.75	1.47	1.35
33	Q	605	CHL	CHC-C1C	4.75	1.47	1.35
33	P	606	CHL	C2C-C3C	4.75	1.46	1.36
33	P	619	CHL	CHC-C1C	4.74	1.47	1.35
33	U	308	CHL	CHC-C1C	4.74	1.47	1.35
33	S	321	CHL	CHC-C1C	4.74	1.47	1.35
33	P	619	CHL	CHD-C1D	4.74	1.47	1.38
33	S	321	CHL	CHD-C1D	4.74	1.47	1.38
33	Q	606	CHL	CHC-C1C	4.74	1.47	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	P	606	CHL	CHC-C1C	4.74	1.47	1.35
33	S	308	CHL	CHC-C1C	4.73	1.47	1.35
33	Q	607	CHL	CHC-C1C	4.73	1.47	1.35
33	P	606	CHL	CHD-C1D	4.73	1.47	1.38
33	U	307	CHL	CHD-C1D	4.73	1.47	1.38
33	R	607	CHL	CHD-C1D	4.73	1.47	1.38
33	P	607	CHL	CHC-C1C	4.73	1.47	1.35
33	S	309	CHL	C2C-C3C	4.73	1.46	1.36
33	P	608	CHL	CHC-C1C	4.73	1.47	1.35
33	6	608	CHL	CHC-C1C	4.73	1.47	1.35
33	R	608	CHL	CHC-C1C	4.72	1.47	1.35
33	P	607	CHL	CHD-C1D	4.72	1.47	1.38
33	6	617	CHL	CHD-C1D	4.71	1.47	1.38
33	Q	606	CHL	C2C-C3C	4.71	1.46	1.36
33	S	310	CHL	C2C-C3C	4.71	1.46	1.36
33	Q	605	CHL	C3B-C2B	4.71	1.46	1.40
33	R	607	CHL	CHC-C1C	4.70	1.47	1.35
33	9	307	CHL	CHC-C1C	4.70	1.47	1.35
33	7	305	CHL	CHC-C1C	4.70	1.47	1.35
33	S	321	CHL	O2D-CGD	4.70	1.44	1.33
33	U	305	CHL	CHD-C1D	4.70	1.47	1.38
33	P	605	CHL	CHD-C1D	4.70	1.47	1.38
33	8	307	CHL	CHD-C1D	4.69	1.47	1.38
33	T	604	CHL	CHD-C1D	4.69	1.47	1.38
33	T	605	CHL	CHD-C1D	4.69	1.47	1.38
33	T	605	CHL	C2C-C3C	4.69	1.46	1.36
33	Q	606	CHL	CHD-C1D	4.69	1.47	1.38
33	U	305	CHL	CHC-C1C	4.68	1.47	1.35
33	1	606	CHL	O2D-CGD	4.68	1.44	1.33
33	U	306	CHL	CHD-C1D	4.68	1.47	1.38
33	P	605	CHL	CHC-C1C	4.66	1.46	1.35
33	R	606	CHL	CHD-C1D	4.66	1.47	1.38
33	4	305	CHL	C2C-C3C	4.66	1.46	1.36
33	S	308	CHL	CHD-C1D	4.66	1.47	1.38
33	Q	607	CHL	C2C-C3C	4.65	1.46	1.36
33	6	607	CHL	CHC-C1C	4.65	1.46	1.35
33	S	309	CHL	CHC-C1C	4.65	1.46	1.35
33	5	307	CHL	CHC-C1C	4.65	1.46	1.35
33	R	606	CHL	C2C-C3C	4.65	1.46	1.36
33	S	307	CHL	C3B-C2B	4.64	1.46	1.40
33	5	307	CHL	O2D-CGD	4.64	1.44	1.33
33	1	606	CHL	C2C-C3C	4.64	1.46	1.36

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	4	314	CHL	CHD-C1D	4.64	1.47	1.38
33	T	605	CHL	CHC-C1C	4.64	1.46	1.35
33	S	309	CHL	C3B-C2B	4.64	1.46	1.40
33	T	606	CHL	C3B-C2B	4.63	1.46	1.40
33	R	608	CHL	C2C-C3C	4.63	1.46	1.36
33	U	308	CHL	C2C-C3C	4.62	1.46	1.36
33	1	606	CHL	CHD-C1D	4.62	1.47	1.38
33	P	608	CHL	C2C-C3C	4.62	1.46	1.36
33	U	307	CHL	C3B-C2B	4.61	1.46	1.40
33	1	601	CHL	O2D-CGD	4.61	1.44	1.33
33	4	304	CHL	CHC-C1C	4.61	1.46	1.35
33	a	305	CHL	C2C-C3C	4.60	1.46	1.36
33	U	308	CHL	C3B-C2B	4.60	1.46	1.40
33	6	617	CHL	CHC-C1C	4.60	1.46	1.35
33	S	309	CHL	CHD-C1D	4.58	1.47	1.38
33	R	606	CHL	C3B-C2B	4.58	1.46	1.40
33	6	608	CHL	O2D-CGD	4.58	1.44	1.33
33	T	604	CHL	C3B-C2B	4.57	1.46	1.40
33	R	605	CHL	O2A-CGA	4.57	1.46	1.30
33	P	619	CHL	C2C-C3C	4.57	1.46	1.36
33	S	308	CHL	C3B-C2B	4.56	1.46	1.40
33	4	306	CHL	CHC-C1C	4.56	1.46	1.35
33	5	308	CHL	CHC-C1C	4.56	1.46	1.35
33	P	607	CHL	C2C-C3C	4.56	1.46	1.36
33	9	306	CHL	CHC-C1C	4.56	1.46	1.35
33	4	314	CHL	CHC-C1C	4.54	1.46	1.35
33	5	317	CHL	CHC-C1C	4.53	1.46	1.35
33	R	607	CHL	C2C-C3C	4.53	1.46	1.36
33	P	622	CHL	C2C-C3C	4.53	1.46	1.36
33	9	307	CHL	CHD-C1D	4.53	1.47	1.38
33	4	322	CHL	CHC-C1C	4.52	1.46	1.35
33	6	607	CHL	C2C-C3C	4.52	1.46	1.36
33	5	307	CHL	CHD-C1D	4.52	1.47	1.38
33	U	305	CHL	O2A-CGA	4.51	1.45	1.30
33	6	606	CHL	O2A-CGA	4.51	1.46	1.33
33	a	305	CHL	C3B-C2B	4.51	1.46	1.40
33	4	322	CHL	C2C-C3C	4.50	1.46	1.36
33	5	307	CHL	C2C-C3C	4.49	1.46	1.36
33	4	304	CHL	CHD-C1D	4.49	1.47	1.38
33	4	306	CHL	O2D-CGD	4.48	1.44	1.33
31	B	850	SQD	O8-S	4.48	1.63	1.47
33	P	605	CHL	C3B-C2B	4.48	1.46	1.40

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	5	308	CHL	O2D-CGD	4.46	1.44	1.33
33	4	314	CHL	C3B-C2B	4.45	1.46	1.40
33	7	305	CHL	CHD-C1D	4.45	1.47	1.38
33	6	606	CHL	CHC-C1C	4.45	1.46	1.35
33	1	601	CHL	CHC-C1C	4.45	1.46	1.35
33	6	617	CHL	C3B-C2B	4.44	1.46	1.40
33	1	606	CHL	O2A-CGA	4.43	1.46	1.33
33	4	306	CHL	O2A-CGA	4.42	1.46	1.33
33	T	605	CHL	O2A-CGA	4.42	1.46	1.33
33	a	305	CHL	O2A-CGA	4.42	1.46	1.33
33	S	308	CHL	C2C-C3C	4.42	1.46	1.36
33	S	302	CHL	C2C-C3C	4.41	1.46	1.36
27	A	852	LHG	O7-C7	4.41	1.46	1.34
33	S	302	CHL	C3B-C2B	4.41	1.46	1.40
33	Q	606	CHL	O2A-CGA	4.38	1.46	1.33
33	S	306	CHL	CHC-C1C	4.38	1.46	1.35
33	3	306	CHL	CHC-C1C	4.38	1.46	1.35
33	6	617	CHL	C2C-C3C	4.38	1.46	1.36
31	B	850	SQD	O48-C23	4.38	1.46	1.33
33	S	302	CHL	CHD-C1D	4.37	1.46	1.38
33	4	305	CHL	C3B-C2B	4.37	1.46	1.40
33	P	605	CHL	O2A-CGA	4.37	1.46	1.33
33	9	307	CHL	C3B-C2B	4.37	1.46	1.40
33	4	306	CHL	CHD-C1D	4.37	1.46	1.38
33	7	305	CHL	O2A-CGA	4.36	1.46	1.33
32	1	619	LMG	O8-C28	4.36	1.46	1.33
33	Q	607	CHL	C3B-C2B	4.36	1.46	1.40
33	P	608	CHL	C3B-C2B	4.36	1.46	1.40
27	T	617	LHG	O8-C23	4.36	1.46	1.33
33	U	309	CHL	O2A-CGA	4.35	1.46	1.33
33	R	608	CHL	C3B-C2B	4.35	1.46	1.40
25	P	612	CLA	O2D-CGD	4.35	1.43	1.33
33	P	606	CHL	O2A-CGA	4.35	1.46	1.33
33	4	322	CHL	CHD-C1D	4.34	1.46	1.38
25	R	612	CLA	O2D-CGD	4.33	1.43	1.33
33	5	317	CHL	C2C-C3C	4.33	1.46	1.36
33	6	608	CHL	CHD-C1D	4.33	1.46	1.38
33	Q	601	CHL	O2A-CGA	4.33	1.46	1.33
33	4	305	CHL	O2A-CGA	4.33	1.46	1.33
33	8	307	CHL	C2C-C3C	4.33	1.46	1.36
33	6	606	CHL	CHD-C1D	4.33	1.46	1.38
33	9	306	CHL	CHD-C1D	4.33	1.46	1.38

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	6	602	LMG	O8-C28	4.33	1.46	1.33
33	1	606	CHL	C3B-C2B	4.33	1.46	1.40
33	6	608	CHL	O2A-CGA	4.32	1.46	1.33
33	9	307	CHL	C2C-C3C	4.32	1.46	1.36
33	P	601	CHL	O2A-CGA	4.32	1.46	1.33
33	4	314	CHL	C2C-C3C	4.32	1.46	1.36
33	T	601	CHL	O2A-CGA	4.32	1.46	1.33
33	R	601	CHL	O2A-CGA	4.31	1.45	1.33
33	S	307	CHL	O2A-CGA	4.31	1.45	1.33
33	U	306	CHL	O2A-CGA	4.31	1.45	1.33
33	9	307	CHL	O2A-CGA	4.31	1.45	1.33
33	T	607	CHL	O2A-CGA	4.30	1.45	1.33
33	4	304	CHL	C3A-C2A	-4.30	1.50	1.54
25	T	610	CLA	C1D-ND	4.29	1.43	1.37
33	4	322	CHL	C3B-C2B	4.28	1.46	1.40
33	5	308	CHL	O2A-CGA	4.28	1.45	1.33
32	2	301	LMG	O8-C28	4.28	1.45	1.33
25	R	603	CLA	C1D-ND	4.28	1.43	1.37
33	5	307	CHL	O2A-CGA	4.27	1.45	1.33
27	S	319	LHG	O8-C23	4.26	1.45	1.33
33	5	317	CHL	CHD-C1D	4.26	1.46	1.38
33	S	308	CHL	O2A-CGA	4.26	1.45	1.33
27	P	624	LHG	O8-C23	4.26	1.45	1.33
33	S	310	CHL	O2A-CGA	4.25	1.45	1.33
33	S	302	CHL	O2A-CGA	4.25	1.45	1.33
33	1	601	CHL	C2C-C3C	4.25	1.45	1.36
27	P	618	LHG	O8-C23	4.24	1.45	1.33
32	7	319	LMG	O7-C10	4.24	1.46	1.34
33	S	309	CHL	O2A-CGA	4.23	1.45	1.33
33	U	307	CHL	O2A-CGA	4.23	1.45	1.33
33	T	604	CHL	O2A-CGA	4.23	1.45	1.33
33	3	306	CHL	O2D-CGD	4.23	1.43	1.33
33	7	305	CHL	C2C-C3C	4.23	1.45	1.36
33	6	607	CHL	O2A-CGA	4.22	1.45	1.33
33	9	306	CHL	C2C-C3C	4.22	1.45	1.36
32	J	107	LMG	O8-C28	4.22	1.45	1.33
32	7	318	LMG	O8-C28	4.22	1.45	1.33
33	1	601	CHL	CHD-C1D	4.21	1.46	1.38
27	R	618	LHG	O7-C7	4.21	1.46	1.34
33	8	307	CHL	O2A-CGA	4.21	1.45	1.33
33	P	619	CHL	O2A-CGA	4.21	1.45	1.33
32	7	319	LMG	O8-C28	4.21	1.45	1.33

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	844	LHG	O8-C23	4.20	1.45	1.33
33	6	607	CHL	CHD-C1D	4.20	1.46	1.38
33	3	306	CHL	O2A-CGA	4.20	1.45	1.33
33	3	306	CHL	CHD-C1D	4.20	1.46	1.38
33	P	622	CHL	O2A-CGA	4.19	1.45	1.33
32	J	107	LMG	O7-C10	4.19	1.46	1.34
33	4	306	CHL	C3B-C2B	4.19	1.46	1.40
27	4	318	LHG	O8-C23	4.18	1.45	1.33
33	P	607	CHL	O2A-CGA	4.18	1.45	1.33
33	S	306	CHL	O2A-CGA	4.18	1.45	1.33
33	4	304	CHL	C2C-C3C	4.18	1.45	1.36
33	R	607	CHL	O2A-CGA	4.18	1.45	1.33
32	2	301	LMG	O7-C10	4.17	1.46	1.34
32	4	320	LMG	O8-C28	4.16	1.45	1.33
33	S	321	CHL	O2A-CGA	4.16	1.45	1.33
25	Q	610	CLA	C1D-ND	4.16	1.42	1.37
25	A	829	CLA	C4D-ND	-4.14	1.32	1.37
30	B	848	DGD	O1G-C1A	4.14	1.45	1.33
32	7	318	LMG	O7-C10	4.14	1.46	1.34
33	6	607	CHL	C3B-C2B	4.14	1.46	1.40
32	H	204	LMG	O8-C28	4.13	1.45	1.33
27	Q	617	LHG	O8-C23	4.13	1.45	1.33
33	5	308	CHL	CHD-C1D	4.13	1.46	1.38
27	P	624	LHG	O7-C7	4.12	1.45	1.34
27	4	319	LHG	O8-C23	4.11	1.45	1.33
32	1	619	LMG	O7-C10	4.11	1.45	1.34
27	R	618	LHG	O8-C23	4.11	1.45	1.33
33	5	308	CHL	C3B-C2B	4.09	1.46	1.40
25	R	611	CLA	C1D-ND	4.09	1.42	1.37
33	4	304	CHL	C3B-C2B	4.09	1.46	1.40
27	Q	617	LHG	O7-C7	4.09	1.45	1.34
31	B	850	SQD	O47-C7	4.08	1.45	1.34
27	B	847	LHG	O7-C7	4.07	1.45	1.34
27	8	319	LHG	O7-C7	4.07	1.45	1.34
27	5	301	LHG	O7-C7	4.07	1.45	1.34
25	A	814	CLA	C4D-ND	-4.07	1.32	1.37
27	4	318	LHG	O7-C7	4.07	1.45	1.34
33	4	306	CHL	C2C-C3C	4.07	1.45	1.36
27	8	319	LHG	O8-C23	4.06	1.45	1.33
27	5	301	LHG	O8-C23	4.06	1.45	1.33
25	Q	611	CLA	C1D-ND	4.06	1.42	1.37
27	P	618	LHG	O7-C7	4.05	1.45	1.34

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	J	104	LMG	O8-C28	4.04	1.45	1.33
33	8	307	CHL	C3B-C2B	4.04	1.46	1.40
25	B	811	CLA	C4D-ND	-4.04	1.32	1.37
32	J	102	LMG	O8-C28	4.03	1.45	1.33
27	1	618	LHG	O8-C23	4.03	1.45	1.33
32	H	204	LMG	O7-C10	4.03	1.45	1.34
25	A	806	CLA	C4D-ND	-4.03	1.32	1.37
33	P	601	CHL	CHD-C4C	4.03	1.48	1.39
27	6	618	LHG	O8-C23	4.03	1.45	1.33
33	Q	601	CHL	CHD-C4C	4.03	1.48	1.39
25	A	825	CLA	C4D-ND	-4.02	1.32	1.37
33	R	606	CHL	O2A-CGA	4.02	1.45	1.33
32	4	320	LMG	O7-C10	4.01	1.45	1.34
33	R	601	CHL	CHD-C4C	4.01	1.48	1.39
27	5	321	LHG	O8-C23	4.01	1.45	1.33
30	B	846	DGD	O1G-C1A	4.01	1.45	1.33
33	4	322	CHL	O2A-CGA	4.01	1.45	1.33
25	Q	618	CLA	C1D-ND	4.01	1.42	1.37
27	S	319	LHG	O7-C7	4.00	1.45	1.34
27	T	617	LHG	O7-C7	4.00	1.45	1.34
25	B	837	CLA	C4D-ND	-3.99	1.32	1.37
27	2	317	LHG	O8-C23	3.99	1.45	1.33
33	1	601	CHL	O2A-CGA	3.99	1.45	1.33
33	6	606	CHL	C2C-C3C	3.98	1.45	1.36
33	T	601	CHL	CHD-C4C	3.98	1.48	1.39
25	T	609	CLA	C1D-ND	3.98	1.42	1.37
25	A	802	CLA	C4D-ND	-3.98	1.32	1.37
27	A	843	LHG	O8-C23	3.98	1.45	1.33
27	a	317	LHG	O8-C23	3.98	1.45	1.33
30	B	848	DGD	O2G-C1B	3.98	1.45	1.34
25	A	803	CLA	C4D-ND	-3.97	1.32	1.37
25	6	610	CLA	C1D-ND	3.97	1.42	1.37
32	6	602	LMG	O7-C10	3.97	1.45	1.34
32	J	104	LMG	O7-C10	3.97	1.45	1.34
27	B	847	LHG	O8-C23	3.96	1.44	1.33
33	U	309	CHL	CHD-C4C	3.96	1.48	1.39
25	R	610	CLA	C1D-ND	3.95	1.42	1.37
33	6	608	CHL	C3B-C2B	3.95	1.45	1.40
33	Q	608	CHL	C4B-NB	3.94	1.38	1.35
25	R	614	CLA	C1D-ND	3.94	1.42	1.37
25	B	823	CLA	C4D-ND	-3.94	1.32	1.37
33	9	306	CHL	C3B-C2B	3.94	1.45	1.40

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	R	605	CHL	CHD-C4C	3.93	1.48	1.39
33	P	609	CHL	C4B-NB	3.92	1.38	1.35
27	4	319	LHG	O7-C7	3.92	1.45	1.34
25	S	314	CLA	C1D-ND	3.92	1.42	1.37
25	9	301	CLA	CAB-C3B	-3.92	1.43	1.51
25	P	613	CLA	C1D-ND	3.92	1.42	1.37
33	7	305	CHL	C3B-C2B	3.91	1.45	1.40
25	R	613	CLA	C1D-ND	3.91	1.42	1.37
25	S	313	CLA	C1D-ND	3.90	1.42	1.37
27	2	317	LHG	O7-C7	3.90	1.45	1.34
25	U	302	CLA	C1D-ND	3.90	1.42	1.37
25	B	825	CLA	C4D-ND	-3.90	1.32	1.37
25	3	307	CLA	C4D-ND	-3.89	1.32	1.37
33	S	306	CHL	C3B-C2B	3.89	1.45	1.40
25	B	833	CLA	C4D-ND	-3.89	1.32	1.37
25	Q	611	CLA	C4D-ND	-3.89	1.32	1.37
25	A	826	CLA	C4D-ND	-3.89	1.32	1.37
25	P	611	CLA	C3A-C2A	-3.89	1.50	1.54
25	B	809	CLA	C4D-ND	-3.89	1.32	1.37
27	5	321	LHG	O7-C7	3.89	1.45	1.34
33	5	317	CHL	C3B-C2B	3.89	1.45	1.40
25	R	602	CLA	C1D-ND	3.88	1.42	1.37
25	B	826	CLA	C4D-ND	-3.88	1.32	1.37
25	B	804	CLA	C4D-ND	-3.88	1.32	1.37
25	Q	613	CLA	C1D-ND	3.88	1.42	1.37
27	A	843	LHG	O7-C7	3.87	1.45	1.34
25	B	808	CLA	C4D-ND	-3.87	1.32	1.37
25	A	823	CLA	C4D-ND	-3.86	1.32	1.37
25	B	815	CLA	C4D-ND	-3.86	1.32	1.37
25	3	320	CLA	C4D-ND	-3.86	1.32	1.37
33	S	307	CHL	CHD-C4C	3.86	1.48	1.39
25	A	801	CLA	C4D-ND	-3.86	1.32	1.37
33	R	609	CHL	C4B-NB	3.85	1.38	1.35
25	3	303	CLA	C4D-ND	-3.84	1.32	1.37
25	B	829	CLA	C4D-ND	-3.84	1.32	1.37
25	3	313	CLA	C4D-ND	-3.84	1.32	1.37
25	A	820	CLA	C4D-ND	-3.84	1.32	1.37
25	Q	602	CLA	C1D-ND	3.84	1.42	1.37
27	A	852	LHG	O8-C23	3.84	1.44	1.33
25	T	611	CLA	C1D-ND	3.84	1.42	1.37
33	U	305	CHL	OBD-CAD	3.83	1.29	1.22
25	5	313	CLA	C1D-ND	3.83	1.42	1.37

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	T	607	CHL	CHD-C4C	3.83	1.48	1.39
25	U	312	CLA	C1D-ND	3.83	1.42	1.37
25	T	602	CLA	C1D-ND	3.83	1.42	1.37
32	J	102	LMG	O7-C10	3.82	1.45	1.34
25	U	311	CLA	C4D-ND	-3.82	1.32	1.37
25	L	206	CLA	C4D-ND	-3.82	1.32	1.37
25	7	308	CLA	C4D-ND	-3.82	1.32	1.37
25	B	802	CLA	C4D-ND	-3.82	1.32	1.37
33	6	617	CHL	CHD-C4C	3.81	1.47	1.39
33	5	307	CHL	C3B-C2B	3.81	1.45	1.40
25	T	612	CLA	C1D-ND	3.81	1.42	1.37
27	7	317	LHG	O7-C7	3.81	1.45	1.34
25	Q	609	CLA	C1D-ND	3.81	1.42	1.37
25	U	310	CLA	C1D-ND	3.81	1.42	1.37
27	a	317	LHG	O7-C7	3.81	1.45	1.34
25	5	303	CLA	C4D-ND	-3.81	1.32	1.37
33	4	305	CHL	CHD-C4C	3.81	1.47	1.39
33	6	608	CHL	C2C-C3C	3.80	1.44	1.36
25	S	312	CLA	C1D-ND	3.79	1.42	1.37
25	B	827	CLA	C4D-ND	-3.79	1.32	1.37
33	3	306	CHL	C2C-C3C	3.79	1.44	1.36
25	Q	612	CLA	C1D-ND	3.78	1.42	1.37
25	U	311	CLA	CAD-C3D	-3.78	1.43	1.50
33	T	606	CHL	CHD-C4C	3.78	1.47	1.39
25	L	205	CLA	C4D-ND	-3.78	1.32	1.37
25	O	203	CLA	CAB-C3B	-3.78	1.43	1.51
25	U	303	CLA	C1D-ND	3.78	1.42	1.37
25	3	301	CLA	C4D-ND	-3.78	1.32	1.37
25	U	313	CLA	C1D-ND	3.77	1.42	1.37
33	R	607	CHL	OBD-CAD	3.76	1.29	1.22
27	1	618	LHG	O7-C7	3.76	1.44	1.34
33	P	622	CHL	CHD-C4C	3.76	1.47	1.39
25	P	604	CLA	C1D-ND	3.76	1.42	1.37
25	8	303	CLA	C4D-ND	-3.75	1.32	1.37
33	T	601	CHL	OBD-CAD	3.75	1.28	1.22
25	S	320	CLA	C1D-ND	3.75	1.42	1.37
25	7	302	CLA	C4D-ND	-3.75	1.32	1.37
25	A	835	CLA	C4D-ND	-3.75	1.32	1.37
25	T	603	CLA	C1D-ND	3.74	1.42	1.37
33	P	605	CHL	OBD-CAD	3.74	1.28	1.22
33	a	305	CHL	CHD-C4C	3.74	1.47	1.39
25	3	308	CLA	C4D-ND	-3.74	1.32	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	U	307	CHL	CHD-C4C	3.74	1.47	1.39
25	A	804	CLA	C4D-ND	-3.74	1.32	1.37
25	B	805	CLA	C4D-ND	-3.74	1.32	1.37
33	P	608	CHL	CHD-C4C	3.74	1.47	1.39
25	R	612	CLA	C3B-C2B	-3.74	1.35	1.40
33	T	604	CHL	OBD-CAD	3.74	1.28	1.22
33	Q	605	CHL	OBD-CAD	3.74	1.28	1.22
25	Q	603	CLA	C1D-ND	3.74	1.42	1.37
33	P	607	CHL	OBD-CAD	3.73	1.28	1.22
33	R	608	CHL	CHD-C4C	3.73	1.47	1.39
27	7	317	LHG	O8-C23	3.73	1.44	1.33
33	U	308	CHL	CHD-C4C	3.73	1.47	1.39
25	4	301	CLA	C4D-ND	-3.73	1.32	1.37
25	U	304	CLA	C1D-ND	3.73	1.42	1.37
27	A	844	LHG	O7-C7	3.73	1.44	1.34
25	7	313	CLA	C4D-ND	-3.73	1.32	1.37
26	B	839	PQN	C10-C5	3.73	1.46	1.40
25	S	304	CLA	C1D-ND	3.73	1.42	1.37
33	P	619	CHL	OBD-CAD	3.72	1.28	1.22
33	1	601	CHL	C3B-C2B	3.72	1.45	1.40
25	A	842	CLA	C4D-ND	-3.72	1.32	1.37
25	L	201	CLA	C4D-ND	-3.71	1.32	1.37
25	7	306	CLA	C4D-ND	-3.71	1.32	1.37
25	A	805	CLA	C4D-ND	-3.71	1.32	1.37
33	U	307	CHL	OBD-CAD	3.71	1.28	1.22
33	Q	607	CHL	CHD-C4C	3.71	1.47	1.39
25	A	838	CLA	C4D-ND	-3.71	1.32	1.37
25	B	824	CLA	C4D-ND	-3.71	1.32	1.37
33	S	308	CHL	OBD-CAD	3.71	1.28	1.22
25	2	302	CLA	C4D-ND	-3.71	1.32	1.37
25	6	620	CLA	C4D-ND	-3.71	1.32	1.37
25	A	832	CLA	C4D-ND	-3.71	1.32	1.37
25	B	836	CLA	C4D-ND	-3.70	1.32	1.37
27	6	618	LHG	O7-C7	3.70	1.44	1.34
25	H	205	CLA	C4D-ND	-3.70	1.32	1.37
33	P	606	CHL	CHD-C4C	3.70	1.47	1.39
33	U	308	CHL	OBD-CAD	3.70	1.28	1.22
25	5	305	CLA	C4D-ND	-3.70	1.32	1.37
33	4	314	CHL	OBD-CAD	3.69	1.28	1.22
25	A	813	CLA	C4D-ND	-3.69	1.32	1.37
25	P	612	CLA	C3B-C2B	-3.69	1.35	1.40
25	B	810	CLA	C4D-ND	-3.69	1.32	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	3	306	CHL	C1D-ND	-3.69	1.33	1.37
33	U	305	CHL	CHD-C4C	3.68	1.47	1.39
25	6	603	CLA	C4D-ND	-3.68	1.32	1.37
25	A	833	CLA	C4D-ND	-3.68	1.32	1.37
33	S	310	CHL	CHD-C4C	3.68	1.47	1.39
33	Q	605	CHL	CHD-C4C	3.68	1.47	1.39
33	S	321	CHL	CHD-C4C	3.68	1.47	1.39
26	A	841	PQN	C10-C5	3.67	1.46	1.40
25	9	303	CLA	C4D-ND	-3.67	1.32	1.37
25	K	205	CLA	C1D-ND	3.67	1.42	1.37
25	A	819	CLA	C4D-ND	-3.67	1.32	1.37
25	7	304	CLA	C4D-ND	-3.67	1.32	1.37
25	Q	604	CLA	C1D-ND	3.67	1.42	1.37
25	5	316	CLA	C4D-ND	-3.67	1.32	1.37
25	A	839	CLA	C4D-ND	-3.66	1.32	1.37
25	B	817	CLA	C4D-ND	-3.66	1.32	1.37
25	P	602	CLA	C1D-ND	3.66	1.42	1.37
33	S	306	CHL	CHD-C4C	3.66	1.47	1.39
33	5	308	CHL	C2C-C3C	3.66	1.44	1.36
33	S	321	CHL	OBD-CAD	3.66	1.28	1.22
33	U	309	CHL	OBD-CAD	3.66	1.28	1.22
25	B	838	CLA	C4D-ND	-3.66	1.32	1.37
33	R	605	CHL	OBD-CAD	3.65	1.28	1.22
25	4	309	CLA	C1D-ND	3.65	1.42	1.37
25	A	840	CLA	C4D-ND	-3.65	1.32	1.37
25	a	302	CLA	C1D-ND	3.65	1.42	1.37
25	A	851	CLA	C4D-ND	-3.65	1.32	1.37
33	U	306	CHL	OBD-CAD	3.65	1.28	1.22
33	R	601	CHL	OBD-CAD	3.64	1.28	1.22
33	Q	606	CHL	CHD-C4C	3.64	1.47	1.39
25	5	309	CLA	C4D-ND	-3.64	1.32	1.37
30	B	846	DGD	O2G-C1B	3.64	1.44	1.34
33	P	601	CHL	OBD-CAD	3.64	1.28	1.22
33	P	622	CHL	OBD-CAD	3.64	1.28	1.22
33	4	314	CHL	CHD-C4C	3.64	1.47	1.39
25	A	807	CLA	C4D-ND	-3.63	1.32	1.37
25	A	822	CLA	C4D-ND	-3.63	1.32	1.37
25	K	204	CLA	C1D-ND	3.63	1.42	1.37
25	1	612	CLA	OBD-CAD	3.63	1.28	1.22
33	T	606	CHL	OBD-CAD	3.63	1.28	1.22
25	8	305	CLA	C4D-ND	-3.63	1.32	1.37
25	P	610	CLA	C1D-ND	3.63	1.42	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	3	314	CLA	C4D-ND	-3.63	1.32	1.37
33	Q	606	CHL	OBD-CAD	3.63	1.28	1.22
25	8	310	CLA	C4D-ND	-3.63	1.32	1.37
25	2	310	CLA	C1D-ND	3.63	1.42	1.37
25	B	822	CLA	C4D-ND	-3.63	1.32	1.37
25	B	835	CLA	C4D-ND	-3.63	1.32	1.37
33	R	606	CHL	CHD-C4C	3.62	1.47	1.39
36	R	617	NEX	C7-C8	-3.62	1.25	1.32
25	A	809	CLA	C4D-ND	-3.62	1.32	1.37
33	1	601	CHL	C1D-ND	-3.62	1.33	1.37
25	a	312	CLA	C1D-ND	3.61	1.42	1.37
25	5	310	CLA	C1D-ND	3.61	1.42	1.37
25	5	315	CLA	C4D-ND	-3.61	1.32	1.37
25	S	305	CLA	C1D-ND	3.61	1.42	1.37
33	1	606	CHL	CHD-C4C	3.60	1.47	1.39
33	T	604	CHL	CHD-C4C	3.60	1.47	1.39
33	Q	601	CHL	OBD-CAD	3.60	1.28	1.22
33	S	307	CHL	OBD-CAD	3.60	1.28	1.22
25	7	310	CLA	C4D-ND	-3.60	1.32	1.37
25	S	311	CLA	C1D-ND	3.60	1.42	1.37
25	9	301	CLA	C4D-ND	-3.60	1.32	1.37
33	4	305	CHL	OBD-CAD	3.60	1.28	1.22
36	P	617	NEX	C7-C8	-3.60	1.26	1.32
33	R	608	CHL	OBD-CAD	3.59	1.28	1.22
25	7	301	CLA	C4D-ND	-3.59	1.32	1.37
25	9	304	CLA	C4D-ND	-3.59	1.32	1.37
33	T	605	CHL	CHD-C4C	3.59	1.47	1.39
33	U	306	CHL	CHD-C4C	3.59	1.47	1.39
25	A	827	CLA	C4D-ND	-3.59	1.32	1.37
25	5	314	CLA	C1D-ND	3.59	1.42	1.37
25	B	828	CLA	C4D-ND	-3.58	1.32	1.37
25	B	812	CLA	C4D-ND	-3.58	1.32	1.37
25	B	821	CLA	C4D-ND	-3.58	1.32	1.37
25	a	309	CLA	C1D-ND	3.58	1.42	1.37
33	S	306	CHL	OBD-CAD	3.58	1.28	1.22
33	6	606	CHL	C3B-C2B	3.58	1.45	1.40
25	F	802	CLA	C4D-ND	-3.58	1.32	1.37
33	P	608	CHL	OBD-CAD	3.57	1.28	1.22
25	6	616	CLA	C4D-ND	-3.57	1.32	1.37
33	4	304	CHL	OBD-CAD	3.57	1.28	1.22
25	7	311	CLA	C4D-ND	-3.57	1.32	1.37
25	8	304	CLA	C4D-ND	-3.57	1.32	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	302	CLA	C1D-ND	3.56	1.42	1.37
25	2	311	CLA	C1D-ND	3.56	1.42	1.37
25	9	302	CLA	C1D-ND	3.56	1.42	1.37
25	1	607	CLA	C4D-ND	-3.56	1.32	1.37
25	H	201	CLA	C4D-ND	-3.56	1.32	1.37
33	4	306	CHL	CHD-C4C	3.56	1.47	1.39
25	7	312	CLA	C1D-ND	3.56	1.42	1.37
25	1	602	CLA	C4D-ND	-3.56	1.32	1.37
25	a	310	CLA	C1D-ND	3.56	1.42	1.37
33	S	308	CHL	CHD-C4C	3.55	1.47	1.39
25	A	828	CLA	C4D-ND	-3.55	1.32	1.37
33	Q	607	CHL	OBD-CAD	3.55	1.28	1.22
36	U	301	NEX	C7-C8	-3.55	1.26	1.32
25	2	311	CLA	C4D-ND	-3.55	1.32	1.37
25	8	306	CLA	C4D-ND	-3.55	1.32	1.37
25	A	815	CLA	C1D-ND	3.55	1.42	1.37
25	B	801	CLA	C4D-ND	-3.55	1.32	1.37
25	B	803	CLA	C4D-ND	-3.55	1.32	1.37
33	5	317	CHL	OBD-CAD	3.55	1.28	1.22
25	A	811	CLA	C4D-ND	-3.55	1.32	1.37
25	7	303	CLA	C4D-ND	-3.55	1.32	1.37
25	5	304	CLA	C1D-ND	3.55	1.42	1.37
25	A	837	CLA	C4D-ND	-3.55	1.32	1.37
25	7	309	CLA	C4D-ND	-3.55	1.32	1.37
25	A	824	CLA	C4D-ND	-3.54	1.32	1.37
25	B	834	CLA	C4D-ND	-3.54	1.32	1.37
25	B	830	CLA	C4D-ND	-3.54	1.32	1.37
25	T	608	CLA	C1D-ND	3.54	1.42	1.37
25	4	313	CLA	C1D-ND	3.54	1.42	1.37
33	T	605	CHL	OBD-CAD	3.54	1.28	1.22
25	2	313	CLA	C4D-ND	-3.54	1.32	1.37
25	B	820	CLA	C4D-ND	-3.54	1.32	1.37
33	S	309	CHL	CHD-C4C	3.54	1.47	1.39
25	B	807	CLA	C4D-ND	-3.54	1.32	1.37
25	S	315	CLA	C1D-ND	3.54	1.42	1.37
25	A	834	CLA	C4D-ND	-3.53	1.32	1.37
25	a	301	CLA	C1D-ND	3.53	1.42	1.37
33	P	622	CHL	C3D-C2D	3.53	1.48	1.39
33	P	605	CHL	CHD-C4C	3.53	1.47	1.39
36	U	316	NEX	C7-C8	-3.53	1.26	1.32
25	3	302	CLA	C4D-ND	-3.53	1.32	1.37
25	6	604	CLA	C4D-ND	-3.53	1.32	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	5	308	CHL	C1D-ND	-3.52	1.33	1.37
33	T	601	CHL	C3D-C2D	3.52	1.48	1.39
33	9	306	CHL	OBD-CAD	3.52	1.28	1.22
33	6	617	CHL	OBD-CAD	3.52	1.28	1.22
25	6	613	CLA	C1D-ND	3.52	1.42	1.37
25	5	304	CLA	C4D-ND	-3.52	1.32	1.37
33	R	609	CHL	O2D-CGD	3.52	1.41	1.33
33	9	307	CHL	CHD-C4C	3.52	1.47	1.39
33	Q	601	CHL	C3D-C2D	3.52	1.48	1.39
25	B	814	CLA	C4D-ND	-3.51	1.32	1.37
25	2	309	CLA	C4D-ND	-3.51	1.32	1.37
33	P	601	CHL	C3D-C2D	3.51	1.48	1.39
33	S	310	CHL	OBD-CAD	3.51	1.28	1.22
25	B	831	CLA	C4D-ND	-3.50	1.32	1.37
25	A	812	CLA	C4D-ND	-3.50	1.32	1.37
36	T	616	NEX	C7-C8	-3.50	1.26	1.32
25	S	303	CLA	C4D-ND	-3.50	1.32	1.37
25	2	304	CLA	C4D-ND	-3.50	1.32	1.37
33	P	609	CHL	O2D-CGD	3.50	1.41	1.33
25	Q	618	CLA	C4D-ND	-3.50	1.32	1.37
25	a	311	CLA	C1D-ND	3.50	1.42	1.37
33	R	601	CHL	C3D-C2D	3.49	1.48	1.39
25	S	301	CLA	C1D-ND	3.49	1.42	1.37
25	5	319	CLA	C1D-ND	3.49	1.42	1.37
33	8	307	CHL	CHD-C4C	3.49	1.47	1.39
25	L	209	CLA	C4D-ND	-3.49	1.32	1.37
25	6	615	CLA	C4D-ND	-3.49	1.32	1.37
33	P	606	CHL	OBD-CAD	3.48	1.28	1.22
33	Q	608	CHL	O2D-CGD	3.48	1.41	1.33
25	6	623	CLA	C1D-ND	3.48	1.42	1.37
25	3	304	CLA	C4D-ND	-3.48	1.32	1.37
25	B	849	CLA	C4D-ND	-3.48	1.32	1.37
25	8	312	CLA	C4D-ND	-3.48	1.32	1.37
25	A	821	CLA	C4D-ND	-3.48	1.32	1.37
25	4	310	CLA	C1D-ND	3.47	1.42	1.37
33	U	309	CHL	C3D-C2D	3.47	1.48	1.39
25	8	308	CLA	C4D-ND	-3.47	1.32	1.37
25	P	611	CLA	C1D-ND	3.47	1.42	1.37
33	a	305	CHL	OBD-CAD	3.47	1.28	1.22
25	6	614	CLA	C4D-ND	-3.47	1.32	1.37
25	K	203	CLA	C4D-ND	-3.47	1.32	1.37
33	P	607	CHL	CHD-C4C	3.47	1.47	1.39

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	613	CLA	C4D-ND	-3.47	1.32	1.37
25	P	611	CLA	C1C-NC	-3.46	1.32	1.37
33	3	306	CHL	C3B-C2B	3.46	1.45	1.40
25	G	202	CLA	C1D-ND	3.46	1.42	1.37
25	O	203	CLA	C1D-ND	3.46	1.42	1.37
25	7	312	CLA	C4D-ND	-3.46	1.32	1.37
25	4	303	CLA	C4D-ND	-3.46	1.32	1.37
33	R	606	CHL	OBD-CAD	3.46	1.28	1.22
25	A	853	CLA	C4D-ND	-3.46	1.32	1.37
25	J	105	CLA	C4D-ND	-3.45	1.32	1.37
25	8	313	CLA	C4D-ND	-3.45	1.32	1.37
25	P	603	CLA	C1D-ND	3.45	1.42	1.37
25	2	314	CLA	C4D-ND	-3.45	1.32	1.37
25	2	307	CLA	C4D-ND	-3.45	1.33	1.37
25	1	610	CLA	C4D-ND	-3.45	1.33	1.37
25	a	313	CLA	C1D-ND	3.45	1.42	1.37
33	4	306	CHL	C1D-ND	-3.45	1.33	1.37
33	4	322	CHL	C1D-ND	-3.45	1.33	1.37
25	6	609	CLA	C4D-ND	-3.45	1.33	1.37
25	B	826	CLA	C3B-C2B	-3.44	1.35	1.40
25	6	612	CLA	C1D-ND	3.44	1.42	1.37
25	9	311	CLA	C1D-ND	3.44	1.42	1.37
25	A	830	CLA	C4D-ND	-3.44	1.33	1.37
33	P	619	CHL	CHD-C4C	3.44	1.47	1.39
25	L	202	CLA	C4D-ND	-3.44	1.33	1.37
25	5	324	CLA	C4D-ND	-3.44	1.33	1.37
25	A	808	CLA	C4D-ND	-3.44	1.33	1.37
25	3	310	CLA	C4D-ND	-3.44	1.33	1.37
25	8	315	CLA	C4D-ND	-3.44	1.33	1.37
25	2	314	CLA	C1D-ND	3.44	1.42	1.37
25	1	614	CLA	C4D-ND	-3.44	1.33	1.37
25	4	311	CLA	C1D-ND	3.44	1.42	1.37
25	4	308	CLA	C4D-ND	-3.44	1.33	1.37
33	R	607	CHL	CHD-C4C	3.43	1.47	1.39
25	6	611	CLA	C1D-ND	3.43	1.42	1.37
33	T	607	CHL	OBD-CAD	3.43	1.28	1.22
33	4	322	CHL	OBD-CAD	3.43	1.28	1.22
25	A	831	CLA	C4D-ND	-3.43	1.33	1.37
25	B	830	CLA	C1D-ND	3.43	1.42	1.37
25	B	806	CLA	C4D-ND	-3.43	1.33	1.37
25	3	312	CLA	C4D-ND	-3.43	1.33	1.37
25	5	311	CLA	C4D-ND	-3.42	1.33	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	H	202	CLA	C4D-ND	-3.42	1.33	1.37
25	3	305	CLA	C4D-ND	-3.42	1.33	1.37
25	9	309	CLA	C4D-ND	-3.42	1.33	1.37
25	3	311	CLA	C4D-ND	-3.42	1.33	1.37
25	8	309	CLA	C4D-ND	-3.42	1.33	1.37
33	S	306	CHL	C3D-C2D	3.42	1.48	1.39
25	a	303	CLA	O2A-CGA	3.42	1.43	1.33
25	4	302	CLA	C1D-ND	3.42	1.42	1.37
25	a	306	CLA	C1D-ND	3.42	1.42	1.37
25	K	201	CLA	C4D-ND	-3.42	1.33	1.37
25	A	817	CLA	C4D-ND	-3.41	1.33	1.37
25	B	832	CLA	C4D-ND	-3.41	1.33	1.37
25	K	202	CLA	C1D-ND	3.41	1.42	1.37
25	6	611	CLA	C4D-ND	-3.41	1.33	1.37
25	9	310	CLA	C1D-ND	3.41	1.42	1.37
25	6	610	CLA	C4D-ND	-3.40	1.33	1.37
25	2	310	CLA	C4D-ND	-3.40	1.33	1.37
25	a	306	CLA	C4D-ND	-3.40	1.33	1.37
25	5	310	CLA	C4D-ND	-3.40	1.33	1.37
25	9	311	CLA	C4D-ND	-3.40	1.33	1.37
25	2	305	CLA	C1D-ND	3.40	1.42	1.37
25	A	836	CLA	C4D-ND	-3.40	1.33	1.37
25	9	308	CLA	C1D-ND	3.40	1.42	1.37
25	A	810	CLA	C4D-ND	-3.39	1.33	1.37
25	2	303	CLA	C4D-ND	-3.39	1.33	1.37
25	9	309	CLA	C1D-ND	3.39	1.42	1.37
25	3	312	CLA	C1D-ND	3.39	1.41	1.37
25	6	615	CLA	C1D-ND	3.39	1.41	1.37
25	6	604	CLA	C1D-ND	3.39	1.41	1.37
25	6	616	CLA	C1D-ND	3.38	1.41	1.37
33	6	608	CHL	C1D-ND	-3.38	1.33	1.37
25	5	312	CLA	C1D-ND	3.38	1.41	1.37
25	5	315	CLA	C1D-ND	3.38	1.41	1.37
33	R	606	CHL	C3D-C2D	3.38	1.48	1.39
25	4	307	CLA	C4D-ND	-3.38	1.33	1.37
25	5	314	CLA	C4D-ND	-3.38	1.33	1.37
33	5	317	CHL	CHD-C4C	3.38	1.46	1.39
25	1	604	CLA	C4D-ND	-3.38	1.33	1.37
25	8	302	CLA	C4D-ND	-3.38	1.33	1.37
25	9	305	CLA	C1D-ND	3.37	1.41	1.37
25	5	312	CLA	C4D-ND	-3.37	1.33	1.37
33	U	308	CHL	C3D-C2D	3.37	1.48	1.39

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	816	CLA	C4D-ND	-3.37	1.33	1.37
33	S	302	CHL	CHD-C4C	3.37	1.46	1.39
25	4	307	CLA	C1D-ND	3.37	1.41	1.37
25	7	307	CLA	C4D-ND	-3.37	1.33	1.37
25	8	314	CLA	C4D-ND	-3.37	1.33	1.37
25	5	302	CLA	C1D-ND	3.37	1.41	1.37
25	a	307	CLA	C1D-ND	3.36	1.41	1.37
25	O	202	CLA	C4D-ND	-3.36	1.33	1.37
25	2	308	CLA	C4D-ND	-3.36	1.33	1.37
25	6	605	CLA	C4D-ND	-3.36	1.33	1.37
25	2	305	CLA	C4D-ND	-3.36	1.33	1.37
25	J	105	CLA	C1D-ND	3.36	1.41	1.37
25	B	813	CLA	C4D-ND	-3.36	1.33	1.37
25	6	601	CLA	C1D-ND	3.36	1.41	1.37
33	6	606	CHL	OBD-CAD	3.35	1.28	1.22
25	B	819	CLA	C4D-ND	-3.35	1.33	1.37
25	8	311	CLA	C4D-ND	-3.35	1.33	1.37
33	1	606	CHL	OBD-CAD	3.35	1.28	1.22
33	4	305	CHL	C3D-C2D	3.35	1.48	1.39
25	6	603	CLA	C1D-ND	3.35	1.41	1.37
25	2	303	CLA	C1D-ND	3.35	1.41	1.37
25	5	306	CLA	C4D-ND	-3.35	1.33	1.37
25	J	103	CLA	C4D-ND	-3.34	1.33	1.37
33	Q	608	CHL	C3B-C2B	-3.34	1.35	1.40
25	1	608	CLA	C4D-ND	-3.34	1.33	1.37
25	a	312	CLA	C4D-ND	-3.34	1.33	1.37
33	P	609	CHL	C3B-C2B	-3.34	1.35	1.40
25	H	203	CLA	C4D-ND	-3.34	1.33	1.37
33	7	305	CHL	CHD-C4C	3.34	1.46	1.39
33	S	309	CHL	OBD-CAD	3.34	1.28	1.22
33	6	607	CHL	OBD-CAD	3.33	1.28	1.22
25	K	203	CLA	C1D-ND	3.33	1.41	1.37
25	A	818	CLA	C4D-ND	-3.32	1.33	1.37
25	A	815	CLA	C4D-ND	-3.32	1.33	1.37
33	T	606	CHL	C3D-C2D	3.32	1.48	1.39
25	H	202	CLA	C1D-ND	3.32	1.41	1.37
25	A	816	CLA	C4D-ND	-3.31	1.33	1.37
25	G	202	CLA	C4D-ND	-3.31	1.33	1.37
25	3	302	CLA	C1D-ND	3.31	1.41	1.37
25	6	612	CLA	C4D-ND	-3.31	1.33	1.37
25	2	307	CLA	C1D-ND	3.31	1.41	1.37
33	S	310	CHL	C3D-C2D	3.31	1.48	1.39

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	Q	606	CHL	C3D-C2D	3.31	1.48	1.39
25	F	802	CLA	C1D-ND	3.31	1.41	1.37
25	3	311	CLA	C1D-ND	3.31	1.41	1.37
25	B	818	CLA	C4D-ND	-3.31	1.33	1.37
33	6	606	CHL	CHD-C4C	3.30	1.46	1.39
33	T	604	CHL	C3D-C2D	3.30	1.48	1.39
25	6	612	CLA	CHC-C1C	3.30	1.43	1.35
25	a	311	CLA	C4D-ND	-3.30	1.33	1.37
33	S	307	CHL	C3D-C2D	3.30	1.48	1.39
25	K	202	CLA	C4D-ND	-3.30	1.33	1.37
25	O	201	CLA	C4D-ND	-3.30	1.33	1.37
25	R	604	CLA	C1D-ND	3.30	1.41	1.37
33	5	307	CHL	CHD-C4C	3.30	1.46	1.39
25	B	816	CLA	C1D-ND	3.30	1.41	1.37
25	A	830	CLA	CMB-C2B	-3.30	1.44	1.51
33	U	305	CHL	C3D-C2D	3.30	1.48	1.39
33	6	608	CHL	OBD-CAD	3.30	1.28	1.22
25	4	313	CLA	C4D-ND	-3.29	1.33	1.37
33	4	306	CHL	OBD-CAD	3.29	1.28	1.22
33	5	308	CHL	OBD-CAD	3.29	1.28	1.22
25	1	605	CLA	C4D-ND	-3.29	1.33	1.37
33	6	608	CHL	CHD-C4C	3.29	1.46	1.39
25	a	304	CLA	C1D-ND	3.29	1.41	1.37
33	7	305	CHL	OBD-CAD	3.29	1.28	1.22
25	B	827	CLA	CMB-C2B	-3.29	1.44	1.51
33	T	607	CHL	C3D-C2D	3.29	1.48	1.39
25	a	309	CLA	C4D-ND	-3.29	1.33	1.37
33	R	609	CHL	C3B-C2B	-3.29	1.35	1.40
25	H	203	CLA	C1D-ND	3.29	1.41	1.37
25	a	313	CLA	C4D-ND	-3.29	1.33	1.37
25	4	303	CLA	C1D-ND	3.28	1.41	1.37
25	9	308	CLA	C4D-ND	-3.28	1.33	1.37
25	O	201	CLA	C1D-ND	3.28	1.41	1.37
25	A	805	CLA	C3B-C2B	-3.28	1.35	1.40
25	1	603	CLA	C4D-ND	-3.28	1.33	1.37
33	1	606	CHL	C1D-ND	-3.28	1.33	1.37
33	Q	605	CHL	C3D-C2D	3.28	1.48	1.39
25	R	610	CLA	CHC-C1C	3.28	1.43	1.35
25	U	302	CLA	CHC-C1C	3.28	1.43	1.35
25	3	309	CLA	C4D-ND	-3.28	1.33	1.37
25	3	310	CLA	C1D-ND	3.28	1.41	1.37
25	G	201	CLA	C4D-ND	-3.28	1.33	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	838	CLA	C1D-ND	3.27	1.41	1.37
25	8	306	CLA	C1D-ND	3.27	1.41	1.37
33	6	607	CHL	C1D-ND	-3.27	1.33	1.37
33	9	307	CHL	OBD-CAD	3.27	1.28	1.22
33	4	314	CHL	C3D-C2D	3.27	1.48	1.39
25	8	312	CLA	C1D-ND	3.27	1.41	1.37
25	G	201	CLA	C1D-ND	3.26	1.41	1.37
25	J	103	CLA	C1D-ND	3.26	1.41	1.37
25	A	810	CLA	C1D-ND	3.26	1.41	1.37
25	1	610	CLA	C1D-ND	3.26	1.41	1.37
25	a	304	CLA	C4D-ND	-3.26	1.33	1.37
25	2	313	CLA	C1D-ND	3.26	1.41	1.37
33	4	304	CHL	CHD-C4C	3.26	1.46	1.39
25	A	808	CLA	C1D-ND	3.26	1.41	1.37
33	U	307	CHL	C3D-C2D	3.26	1.48	1.39
25	A	829	CLA	C3B-C2B	-3.25	1.35	1.40
25	4	310	CLA	C4D-ND	-3.25	1.33	1.37
25	A	813	CLA	C3B-C2B	-3.25	1.35	1.40
33	4	305	CHL	MG-NA	-3.25	1.98	2.06
33	9	306	CHL	CHD-C4C	3.25	1.46	1.39
25	5	316	CLA	C1D-ND	3.25	1.41	1.37
33	U	306	CHL	C3D-C2D	3.25	1.48	1.39
25	1	613	CLA	C1D-ND	3.25	1.41	1.37
25	Q	602	CLA	CHC-C1C	3.25	1.43	1.35
25	U	310	CLA	CHC-C1C	3.24	1.43	1.35
25	R	602	CLA	CHC-C1C	3.24	1.43	1.35
25	A	812	CLA	C1D-ND	3.24	1.41	1.37
25	L	209	CLA	C1D-ND	3.24	1.41	1.37
25	R	603	CLA	CHC-C1C	3.24	1.43	1.35
33	4	322	CHL	CHD-C4C	3.23	1.46	1.39
25	T	609	CLA	CHC-C1C	3.23	1.43	1.35
25	B	826	CLA	CMB-C2B	-3.23	1.44	1.51
25	1	611	CLA	C1D-ND	3.23	1.41	1.37
25	8	302	CLA	C1D-ND	3.23	1.41	1.37
25	9	310	CLA	CHC-C1C	3.23	1.43	1.35
33	5	307	CHL	OBD-CAD	3.23	1.28	1.22
25	4	309	CLA	C4D-ND	-3.23	1.33	1.37
25	B	832	CLA	C1D-ND	3.23	1.41	1.37
25	B	811	CLA	C3B-C2B	-3.23	1.35	1.40
33	T	605	CHL	C3D-C2D	3.22	1.47	1.39
25	3	309	CLA	C1D-ND	3.22	1.41	1.37
33	3	306	CHL	OBD-CAD	3.22	1.28	1.22

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	a	307	CLA	C4D-ND	-3.22	1.33	1.37
25	B	834	CLA	C1D-ND	3.22	1.41	1.37
33	8	307	CHL	OBD-CAD	3.22	1.28	1.22
25	8	315	CLA	C1D-ND	3.22	1.41	1.37
25	R	604	CLA	CHC-C1C	3.22	1.43	1.35
33	9	307	CHL	C3D-C2D	3.22	1.47	1.39
33	9	306	CHL	C1D-ND	-3.22	1.33	1.37
33	a	305	CHL	C3D-C2D	3.22	1.47	1.39
25	2	306	CLA	C4D-ND	-3.22	1.33	1.37
25	P	612	CLA	O1D-CGD	3.22	1.29	1.21
25	Q	612	CLA	CHC-C1C	3.21	1.43	1.35
25	4	312	CLA	C4D-ND	-3.21	1.33	1.37
33	P	605	CHL	C3D-C2D	3.21	1.47	1.39
33	1	601	CHL	OBD-CAD	3.21	1.28	1.22
33	5	308	CHL	CHD-C4C	3.21	1.46	1.39
25	4	312	CLA	C1D-ND	3.21	1.41	1.37
25	1	605	CLA	C1D-ND	3.21	1.41	1.37
25	O	202	CLA	C1D-ND	3.21	1.41	1.37
25	A	840	CLA	C1D-ND	3.21	1.41	1.37
25	3	305	CLA	C1D-ND	3.20	1.41	1.37
25	P	611	CLA	OBD-CAD	3.20	1.28	1.22
25	R	612	CLA	O1D-CGD	3.20	1.29	1.21
25	O	203	CLA	C4D-ND	-3.20	1.33	1.37
25	S	314	CLA	C4D-ND	-3.20	1.33	1.37
25	1	602	CLA	C1D-ND	3.20	1.41	1.37
25	A	825	CLA	C3B-C2B	-3.20	1.35	1.40
25	A	819	CLA	CMB-C2B	-3.19	1.45	1.51
25	4	311	CLA	C4D-ND	-3.19	1.33	1.37
25	5	311	CLA	C1D-ND	3.19	1.41	1.37
33	4	304	CHL	C1D-ND	-3.19	1.33	1.37
25	Q	618	CLA	CHC-C1C	3.19	1.43	1.35
25	8	311	CLA	C1D-ND	3.19	1.41	1.37
25	1	614	CLA	C1D-ND	3.19	1.41	1.37
33	9	307	CHL	C1D-ND	-3.19	1.33	1.37
25	P	610	CLA	CHC-C1C	3.19	1.43	1.35
25	H	201	CLA	C1D-ND	3.19	1.41	1.37
33	S	321	CHL	C3D-C2D	3.18	1.47	1.39
33	S	302	CHL	OBD-CAD	3.18	1.28	1.22
25	8	308	CLA	C1D-ND	3.18	1.41	1.37
25	A	812	CLA	CMB-C2B	-3.18	1.45	1.51
33	S	302	CHL	C3D-C2D	3.18	1.47	1.39
25	3	301	CLA	C1D-ND	3.18	1.41	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	P	622	CHL	MG-NA	-3.18	1.98	2.06
25	B	817	CLA	C1D-ND	3.18	1.41	1.37
25	A	836	CLA	CMB-C2B	-3.18	1.45	1.51
25	Q	613	CLA	CHC-C1C	3.18	1.43	1.35
25	Q	609	CLA	CHC-C1C	3.17	1.43	1.35
25	G	201	CLA	CHC-C1C	3.17	1.43	1.35
33	6	607	CHL	CHD-C4C	3.17	1.46	1.39
25	A	816	CLA	C1D-ND	3.17	1.41	1.37
25	7	308	CLA	C1D-ND	3.17	1.41	1.37
25	P	611	CLA	C4B-NB	-3.17	1.32	1.35
25	7	308	CLA	C3B-C2B	-3.17	1.36	1.40
33	1	601	CHL	CHD-C4C	3.17	1.46	1.39
33	1	606	CHL	C3D-C2D	3.17	1.47	1.39
33	S	308	CHL	C3D-C2D	3.17	1.47	1.39
25	2	313	CLA	CHC-C1C	3.17	1.43	1.35
25	4	308	CLA	C1D-ND	3.16	1.41	1.37
25	1	603	CLA	C1D-ND	3.16	1.41	1.37
25	a	303	CLA	C1-C2	3.16	1.58	1.49
25	2	312	CLA	C1D-ND	3.16	1.41	1.37
25	H	205	CLA	C1D-ND	3.16	1.41	1.37
25	2	309	CLA	C1D-ND	3.16	1.41	1.37
25	A	851	CLA	C1D-ND	3.16	1.41	1.37
25	6	601	CLA	C4D-ND	-3.16	1.33	1.37
25	B	801	CLA	C1D-ND	3.16	1.41	1.37
33	P	606	CHL	C3D-C2D	3.16	1.47	1.39
25	5	312	CLA	CHC-C1C	3.16	1.43	1.35
25	4	310	CLA	CHC-C1C	3.15	1.43	1.35
25	5	309	CLA	C3B-C2B	-3.15	1.36	1.40
25	P	610	CLA	C4D-ND	-3.15	1.33	1.37
25	9	310	CLA	C4D-ND	-3.15	1.33	1.37
33	P	608	CHL	C3D-C2D	3.15	1.47	1.39
33	Q	607	CHL	C3D-C2D	3.15	1.47	1.39
25	S	303	CLA	CHC-C1C	3.15	1.43	1.35
25	S	301	CLA	C4D-ND	-3.15	1.33	1.37
25	2	302	CLA	CHC-C1C	3.15	1.43	1.35
25	4	312	CLA	CHC-C1C	3.15	1.43	1.35
25	2	306	CLA	C1D-ND	3.15	1.41	1.37
25	T	611	CLA	CHC-C1C	3.15	1.43	1.35
25	a	310	CLA	CHC-C1C	3.15	1.43	1.35
25	B	815	CLA	CMB-C2B	-3.15	1.45	1.51
25	B	849	CLA	C1D-ND	3.15	1.41	1.37
25	T	608	CLA	CHC-C1C	3.15	1.43	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	P	602	CLA	CHC-C1C	3.15	1.43	1.35
33	7	305	CHL	C1D-ND	-3.15	1.33	1.37
33	5	307	CHL	C1D-ND	-3.14	1.33	1.37
33	3	306	CHL	CHD-C4C	3.14	1.46	1.39
25	B	811	CLA	CMB-C2B	-3.14	1.45	1.51
33	6	617	CHL	C3D-C2D	3.14	1.47	1.39
33	R	608	CHL	C3D-C2D	3.14	1.47	1.39
25	Q	604	CLA	CHC-C1C	3.14	1.43	1.35
25	a	309	CLA	CHC-C1C	3.14	1.43	1.35
33	1	601	CHL	C3D-C2D	3.14	1.47	1.39
25	B	828	CLA	C1D-ND	3.14	1.41	1.37
33	P	609	CHL	MG-NA	3.14	2.13	2.06
33	P	619	CHL	C3D-C2D	3.14	1.47	1.39
25	A	837	CLA	C1D-ND	3.14	1.41	1.37
25	1	609	CLA	CHC-C1C	3.13	1.43	1.35
33	R	609	CHL	MG-NA	3.13	2.13	2.06
25	7	313	CLA	C1D-ND	3.13	1.41	1.37
25	8	310	CLA	C1D-ND	3.13	1.41	1.37
25	a	302	CLA	C4D-ND	-3.13	1.33	1.37
25	4	307	CLA	CHC-C1C	3.13	1.43	1.35
25	1	611	CLA	C4D-ND	-3.13	1.33	1.37
25	Q	603	CLA	CHC-C1C	3.13	1.43	1.35
25	5	313	CLA	C4D-ND	-3.13	1.33	1.37
25	3	314	CLA	C1D-ND	3.13	1.41	1.37
25	P	603	CLA	CHC-C1C	3.13	1.43	1.35
25	2	312	CLA	C4D-ND	-3.13	1.33	1.37
25	9	305	CLA	C4D-ND	-3.13	1.33	1.37
25	B	810	CLA	C3B-C2B	-3.13	1.36	1.40
25	Q	610	CLA	C4D-ND	-3.13	1.33	1.37
25	a	301	CLA	C4D-ND	-3.13	1.33	1.37
25	8	305	CLA	C1D-ND	3.13	1.41	1.37
33	P	607	CHL	C3D-C2D	3.13	1.47	1.39
25	A	811	CLA	C1D-ND	3.13	1.41	1.37
25	9	304	CLA	C1D-ND	3.13	1.41	1.37
25	T	608	CLA	C4D-ND	-3.12	1.33	1.37
25	7	311	CLA	C1D-ND	3.12	1.41	1.37
25	T	602	CLA	CHC-C1C	3.12	1.43	1.35
25	Q	610	CLA	CHC-C1C	3.12	1.43	1.35
25	A	805	CLA	CMB-C2B	-3.12	1.45	1.51
33	R	607	CHL	C3D-C2D	3.12	1.47	1.39
25	7	303	CLA	C3B-C2B	-3.12	1.36	1.40
25	R	611	CLA	CHC-C1C	3.12	1.43	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	817	CLA	C1D-ND	3.12	1.41	1.37
25	S	320	CLA	CHC-C1C	3.12	1.43	1.35
25	7	301	CLA	C1D-ND	3.12	1.41	1.37
25	A	830	CLA	C1D-ND	3.12	1.41	1.37
25	1	608	CLA	CHC-C1C	3.12	1.43	1.35
25	S	315	CLA	C4D-ND	-3.11	1.33	1.37
25	2	308	CLA	C1D-ND	3.11	1.41	1.37
25	S	311	CLA	CHC-C1C	3.11	1.42	1.35
33	Q	608	CHL	MG-NA	3.11	2.13	2.06
25	2	310	CLA	CHC-C1C	3.11	1.42	1.35
25	U	312	CLA	CHC-C1C	3.11	1.42	1.35
33	4	305	CHL	C1D-ND	-3.11	1.34	1.37
25	5	319	CLA	C4D-ND	-3.11	1.33	1.37
25	A	831	CLA	C1D-ND	3.11	1.41	1.37
25	S	304	CLA	C4D-ND	-3.11	1.33	1.37
25	a	301	CLA	CHC-C1C	3.11	1.42	1.35
25	A	831	CLA	CMB-C2B	-3.11	1.45	1.51
25	B	803	CLA	CHC-C1C	3.11	1.42	1.35
25	B	821	CLA	C1D-ND	3.11	1.41	1.37
25	R	611	CLA	C4D-ND	-3.11	1.33	1.37
25	R	614	CLA	C4D-ND	-3.10	1.33	1.37
33	8	307	CHL	C3D-C2D	3.10	1.47	1.39
25	B	838	CLA	C1D-ND	3.10	1.41	1.37
25	4	302	CLA	C4D-ND	-3.10	1.33	1.37
25	T	612	CLA	CHC-C1C	3.10	1.42	1.35
33	P	601	CHL	MG-NA	-3.10	1.98	2.06
25	B	820	CLA	C1D-ND	3.10	1.41	1.37
25	U	303	CLA	CHC-C1C	3.10	1.42	1.35
25	A	814	CLA	C1D-ND	3.10	1.41	1.37
33	R	601	CHL	MG-NA	-3.10	1.98	2.06
25	B	831	CLA	CMB-C2B	-3.10	1.45	1.51
25	B	814	CLA	C1D-ND	3.09	1.41	1.37
25	P	604	CLA	C4D-ND	-3.09	1.33	1.37
33	4	322	CHL	C3D-C2D	3.09	1.47	1.39
25	B	811	CLA	C1D-ND	3.09	1.41	1.37
25	2	304	CLA	C1D-ND	3.09	1.41	1.37
25	9	311	CLA	CHC-C1C	3.09	1.42	1.35
25	B	835	CLA	CHC-C1C	3.09	1.42	1.35
25	A	835	CLA	C3B-C2B	-3.09	1.36	1.40
25	B	830	CLA	CHC-C1C	3.09	1.42	1.35
25	A	816	CLA	CHC-C1C	3.09	1.42	1.35
25	A	804	CLA	C1D-ND	3.09	1.41	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	818	CLA	C1D-ND	3.09	1.41	1.37
25	S	305	CLA	C4D-ND	-3.09	1.33	1.37
33	Q	601	CHL	MG-NA	-3.08	1.98	2.06
25	3	304	CLA	C1D-ND	3.08	1.41	1.37
33	4	314	CHL	C1D-ND	-3.08	1.34	1.37
25	2	309	CLA	CHC-C1C	3.08	1.42	1.35
33	5	317	CHL	C1D-ND	-3.08	1.34	1.37
25	8	304	CLA	C1D-ND	3.08	1.41	1.37
25	9	302	CLA	C4D-ND	-3.07	1.33	1.37
25	A	836	CLA	C1D-ND	3.07	1.41	1.37
25	a	303	CLA	C4D-ND	-3.07	1.33	1.37
33	4	304	CHL	C3D-C2D	3.07	1.47	1.39
25	B	815	CLA	C3B-C2B	-3.07	1.36	1.40
25	7	301	CLA	CMB-C2B	-3.07	1.45	1.51
25	Q	613	CLA	C4D-ND	-3.07	1.33	1.37
25	9	303	CLA	C1D-ND	3.07	1.41	1.37
25	R	604	CLA	C4D-ND	-3.07	1.33	1.37
33	5	307	CHL	MG-NA	-3.06	1.99	2.06
25	S	313	CLA	CHC-C1C	3.06	1.42	1.35
25	Q	611	CLA	CHC-C1C	3.06	1.42	1.35
25	7	303	CLA	CHC-C1C	3.06	1.42	1.35
25	A	853	CLA	CHC-C1C	3.06	1.42	1.35
25	a	302	CLA	CHC-C1C	3.06	1.42	1.35
25	5	309	CLA	CMB-C2B	-3.06	1.45	1.51
33	R	605	CHL	C3D-C2D	3.06	1.47	1.39
25	7	306	CLA	C1D-ND	3.06	1.41	1.37
25	B	827	CLA	C3B-C2B	-3.06	1.36	1.40
25	7	308	CLA	CHC-C1C	3.06	1.42	1.35
25	A	811	CLA	CMB-C2B	-3.06	1.45	1.51
25	7	302	CLA	C1D-ND	3.06	1.41	1.37
25	A	820	CLA	CMB-C2B	-3.06	1.45	1.51
25	8	306	CLA	CHC-C1C	3.06	1.42	1.35
25	A	853	CLA	C1D-ND	3.06	1.41	1.37
25	S	315	CLA	CHC-C1C	3.06	1.42	1.35
25	6	613	CLA	CHC-C1C	3.06	1.42	1.35
25	8	309	CLA	C1D-ND	3.05	1.41	1.37
33	P	622	CHL	C1D-ND	-3.05	1.34	1.37
25	4	302	CLA	CHC-C1C	3.05	1.42	1.35
25	A	831	CLA	C3B-C2B	-3.05	1.36	1.40
28	B	845	BCR	C1-C6	-3.05	1.49	1.53
25	B	816	CLA	C3B-C2B	-3.05	1.36	1.40
25	B	803	CLA	C1D-ND	3.05	1.41	1.37

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	805	CLA	CHC-C1C	3.05	1.42	1.35
25	6	614	CLA	C1D-ND	3.05	1.41	1.37
25	1	605	CLA	CMB-C2B	-3.05	1.45	1.51
25	4	301	CLA	CHC-C1C	3.05	1.42	1.35
25	P	603	CLA	C4D-ND	-3.05	1.33	1.37
25	B	804	CLA	CMB-C2B	-3.05	1.45	1.51
25	A	827	CLA	CHC-C1C	3.04	1.42	1.35
25	B	834	CLA	CMB-C2B	-3.04	1.45	1.51
25	A	810	CLA	C3B-C2B	-3.04	1.36	1.40
25	1	608	CLA	C1D-ND	3.04	1.41	1.37
25	T	603	CLA	CHC-C1C	3.04	1.42	1.35
25	A	822	CLA	CMB-C2B	-3.04	1.45	1.51
25	B	813	CLA	C3B-C2B	-3.04	1.36	1.40
33	T	601	CHL	MG-NA	-3.04	1.99	2.06
25	P	613	CLA	CHC-C1C	3.04	1.42	1.35
25	a	307	CLA	CHC-C1C	3.04	1.42	1.35
25	8	313	CLA	C1D-ND	3.03	1.41	1.37
25	O	202	CLA	CHC-C1C	3.03	1.42	1.35
25	R	613	CLA	CHC-C1C	3.03	1.42	1.35
25	B	816	CLA	CMB-C2B	-3.03	1.45	1.51
25	a	308	CLA	CHC-C1C	3.03	1.42	1.35
25	3	320	CLA	C3B-C2B	-3.03	1.36	1.40
33	U	309	CHL	MG-NA	-3.03	1.99	2.06
25	7	310	CLA	C1D-ND	3.03	1.41	1.37
25	S	312	CLA	C4D-ND	-3.03	1.33	1.37
25	5	302	CLA	C4D-ND	-3.03	1.33	1.37
25	a	303	CLA	CHC-C1C	3.03	1.42	1.35
33	4	306	CHL	C3D-C2D	3.03	1.47	1.39
25	7	309	CLA	CHC-C1C	3.02	1.42	1.35
25	A	828	CLA	C1D-ND	3.02	1.41	1.37
25	U	311	CLA	CHC-C1C	3.02	1.42	1.35
25	A	803	CLA	C1D-ND	3.02	1.41	1.37
25	S	304	CLA	CHC-C1C	3.02	1.42	1.35
25	B	821	CLA	CHC-C1C	3.02	1.42	1.35
25	A	807	CLA	C1D-ND	3.02	1.41	1.37
25	a	306	CLA	CHC-C1C	3.02	1.42	1.35
33	5	317	CHL	C3D-C2D	3.02	1.47	1.39
25	S	314	CLA	CHC-C1C	3.02	1.42	1.35
25	B	835	CLA	C1D-ND	3.02	1.41	1.37
25	K	205	CLA	C4D-ND	-3.01	1.33	1.37
25	7	304	CLA	CMB-C2B	-3.01	1.45	1.51
25	6	615	CLA	CHC-C1C	3.01	1.42	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	6	623	CLA	C4D-ND	-3.01	1.33	1.37
25	A	825	CLA	C1D-ND	3.01	1.41	1.37
25	A	808	CLA	CHC-C1C	3.01	1.42	1.35
33	R	607	CHL	C1D-ND	-3.01	1.34	1.37
25	S	311	CLA	C4D-ND	-3.01	1.33	1.37
25	K	203	CLA	CHC-C1C	3.01	1.42	1.35
25	B	835	CLA	C3B-C2B	-3.01	1.36	1.40
25	1	604	CLA	C3B-C2B	-3.01	1.36	1.40
25	G	202	CLA	CHC-C1C	3.01	1.42	1.35
25	A	801	CLA	C1D-ND	3.01	1.41	1.37
33	P	619	CHL	C1D-ND	-3.01	1.34	1.37
25	A	809	CLA	CHC-C1C	3.01	1.42	1.35
25	U	304	CLA	C4D-ND	-3.01	1.33	1.37
25	B	828	CLA	CMB-C2B	-3.01	1.45	1.51
25	4	303	CLA	CHC-C1C	3.00	1.42	1.35
25	P	604	CLA	CHC-C1C	3.00	1.42	1.35
25	A	834	CLA	C1D-ND	3.00	1.41	1.37
25	K	204	CLA	CHC-C1C	3.00	1.42	1.35
25	U	313	CLA	C4D-ND	-3.00	1.33	1.37
25	5	324	CLA	CHC-C1C	3.00	1.42	1.35
25	1	611	CLA	CHC-C1C	3.00	1.42	1.35
25	B	810	CLA	CMB-C2B	-3.00	1.45	1.51
25	5	309	CLA	C1D-ND	3.00	1.41	1.37
25	R	614	CLA	CHC-C1C	3.00	1.42	1.35
25	3	302	CLA	CHC-C1C	3.00	1.42	1.35
25	8	303	CLA	C1D-ND	3.00	1.41	1.37
33	8	307	CHL	C1D-ND	-3.00	1.34	1.37
25	A	813	CLA	CMB-C2B	-3.00	1.45	1.51
33	R	609	CHL	O2A-CGA	3.00	1.42	1.33
28	5	323	BCR	C30-C25	-2.99	1.49	1.53
25	B	838	CLA	CHC-C1C	2.99	1.42	1.35
25	O	201	CLA	CHC-C1C	2.99	1.42	1.35
25	P	613	CLA	C4D-ND	-2.99	1.33	1.37
33	Q	608	CHL	O2A-CGA	2.99	1.42	1.33
25	A	806	CLA	CMB-C2B	-2.99	1.45	1.51
33	P	607	CHL	C1D-ND	-2.99	1.34	1.37
25	1	604	CLA	CHC-C1C	2.99	1.42	1.35
25	7	312	CLA	CHC-C1C	2.99	1.42	1.35
25	a	304	CLA	CHC-C1C	2.99	1.42	1.35
25	F	802	CLA	CHC-C1C	2.99	1.42	1.35
25	A	802	CLA	CHC-C1C	2.99	1.42	1.35
25	Q	604	CLA	C4D-ND	-2.99	1.33	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	U	304	CLA	CHC-C1C	2.99	1.42	1.35
25	R	612	CLA	CMC-C2C	2.99	1.57	1.50
25	S	305	CLA	CHC-C1C	2.99	1.42	1.35
33	6	606	CHL	C3D-C2D	2.99	1.47	1.39
25	3	309	CLA	CHC-C1C	2.99	1.42	1.35
25	8	309	CLA	CHC-C1C	2.98	1.42	1.35
25	A	826	CLA	C1D-ND	2.98	1.41	1.37
25	5	319	CLA	CHC-C1C	2.98	1.42	1.35
33	P	609	CHL	O2A-CGA	2.98	1.42	1.33
25	a	312	CLA	CHC-C1C	2.98	1.42	1.35
33	S	309	CHL	C3D-C2D	2.98	1.47	1.39
33	T	601	CHL	C1D-ND	-2.98	1.34	1.37
25	6	603	CLA	CMB-C2B	-2.98	1.45	1.51
25	8	314	CLA	CHC-C1C	2.98	1.42	1.35
25	B	804	CLA	C3B-C2B	-2.98	1.36	1.40
25	T	603	CLA	C4D-ND	-2.98	1.33	1.37
25	K	202	CLA	CHC-C1C	2.98	1.42	1.35
25	A	829	CLA	CMB-C2B	-2.97	1.45	1.51
25	8	303	CLA	CMB-C2B	-2.97	1.45	1.51
25	L	202	CLA	C1D-ND	2.97	1.41	1.37
25	B	815	CLA	C1D-ND	2.97	1.41	1.37
25	B	831	CLA	CHC-C1C	2.97	1.42	1.35
33	6	607	CHL	C3D-C2D	2.97	1.47	1.39
25	7	304	CLA	C1D-ND	2.97	1.41	1.37
25	L	202	CLA	CMB-C2B	-2.97	1.45	1.51
25	1	613	CLA	CHC-C1C	2.97	1.42	1.35
25	9	304	CLA	CHC-C1C	2.97	1.42	1.35
25	6	603	CLA	C3B-C2B	-2.97	1.36	1.40
25	8	315	CLA	CHC-C1C	2.96	1.42	1.35
25	A	840	CLA	C3B-C2B	-2.96	1.36	1.40
25	1	603	CLA	CHC-C1C	2.96	1.42	1.35
25	B	812	CLA	CHC-C1C	2.96	1.42	1.35
25	1	605	CLA	CHC-C1C	2.96	1.42	1.35
25	P	612	CLA	CMC-C2C	2.96	1.57	1.50
25	1	607	CLA	C1D-ND	2.96	1.41	1.37
25	2	312	CLA	CHC-C1C	2.96	1.42	1.35
25	5	306	CLA	C1D-ND	2.96	1.41	1.37
25	6	610	CLA	CHC-C1C	2.96	1.42	1.35
25	B	834	CLA	C3B-C2B	-2.96	1.36	1.40
25	A	837	CLA	CHC-C1C	2.96	1.42	1.35
25	7	306	CLA	CHC-C1C	2.96	1.42	1.35
25	B	813	CLA	C1D-ND	2.96	1.41	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	305	CLA	CHC-C1C	2.96	1.42	1.35
25	1	610	CLA	CHC-C1C	2.96	1.42	1.35
25	S	303	CLA	C1D-ND	2.96	1.41	1.37
25	B	807	CLA	C1D-ND	2.96	1.41	1.37
25	A	808	CLA	CMB-C2B	-2.95	1.45	1.51
25	5	324	CLA	C3B-C2B	-2.95	1.36	1.40
25	S	313	CLA	C4D-ND	-2.95	1.33	1.37
25	3	312	CLA	CHC-C1C	2.95	1.42	1.35
25	A	827	CLA	CMB-C2B	-2.95	1.45	1.51
25	B	824	CLA	CMB-C2B	-2.95	1.45	1.51
25	A	825	CLA	CHC-C1C	2.95	1.42	1.35
25	A	821	CLA	CMB-C2B	-2.95	1.45	1.51
25	A	824	CLA	C1D-ND	2.95	1.41	1.37
25	A	839	CLA	C1D-ND	2.95	1.41	1.37
25	5	306	CLA	CHC-C1C	2.95	1.42	1.35
25	8	310	CLA	CMB-C2B	-2.95	1.45	1.51
25	T	610	CLA	CHC-C1C	2.95	1.42	1.35
25	A	818	CLA	C1D-ND	2.95	1.41	1.37
25	1	604	CLA	CMD-C2D	-2.95	1.44	1.50
25	A	824	CLA	CMB-C2B	-2.95	1.45	1.51
25	5	311	CLA	CHC-C1C	2.95	1.42	1.35
25	T	610	CLA	C4D-ND	-2.95	1.33	1.37
25	a	310	CLA	C4D-ND	-2.95	1.33	1.37
25	7	304	CLA	C3B-C2B	-2.95	1.36	1.40
25	A	821	CLA	C1D-ND	2.95	1.41	1.37
33	6	606	CHL	C1D-ND	-2.95	1.34	1.37
25	L	201	CLA	CMB-C2B	-2.95	1.45	1.51
25	6	620	CLA	C1D-ND	2.94	1.41	1.37
25	T	612	CLA	C4D-ND	-2.94	1.33	1.37
25	3	303	CLA	C1D-ND	2.94	1.41	1.37
25	B	801	CLA	CMB-C2B	-2.94	1.45	1.51
31	B	850	SQD	C6-S	-2.94	1.66	1.77
25	B	832	CLA	CHC-C1C	2.94	1.42	1.35
25	A	813	CLA	C1D-ND	2.94	1.41	1.37
25	A	825	CLA	CMB-C2B	-2.94	1.45	1.51
25	4	309	CLA	CHC-C1C	2.94	1.42	1.35
25	K	201	CLA	C1D-ND	2.94	1.41	1.37
25	T	609	CLA	C4D-ND	-2.94	1.33	1.37
25	B	802	CLA	CHC-C1C	2.94	1.42	1.35
25	5	303	CLA	C1D-ND	2.93	1.41	1.37
25	5	314	CLA	CHC-C1C	2.93	1.42	1.35
25	U	312	CLA	C4D-ND	-2.93	1.33	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	806	CLA	C1D-ND	2.93	1.41	1.37
25	9	301	CLA	CHC-C1C	2.93	1.42	1.35
25	5	315	CLA	CHC-C1C	2.93	1.42	1.35
25	A	827	CLA	C3B-C2B	-2.93	1.36	1.40
25	P	611	CLA	C4D-ND	-2.93	1.33	1.37
25	6	613	CLA	C4D-ND	-2.93	1.33	1.37
25	A	824	CLA	CHC-C1C	2.93	1.42	1.35
25	L	206	CLA	C1D-ND	2.93	1.41	1.37
25	A	835	CLA	CMB-C2B	-2.93	1.45	1.51
25	B	806	CLA	CMB-C2B	-2.93	1.45	1.51
25	6	605	CLA	CHC-C1C	2.93	1.42	1.35
25	B	826	CLA	C1D-ND	2.93	1.41	1.37
25	B	814	CLA	CMB-C2B	-2.93	1.45	1.51
25	B	835	CLA	CMB-C2B	-2.93	1.45	1.51
25	B	824	CLA	C3B-C2B	-2.93	1.36	1.40
25	B	829	CLA	CHC-C1C	2.93	1.42	1.35
25	4	313	CLA	CHC-C1C	2.93	1.42	1.35
25	8	311	CLA	CHC-C1C	2.93	1.42	1.35
25	B	819	CLA	C1D-ND	2.93	1.41	1.37
25	6	609	CLA	C1D-ND	2.93	1.41	1.37
25	9	309	CLA	CHC-C1C	2.93	1.42	1.35
25	B	826	CLA	CHC-C1C	2.92	1.42	1.35
25	6	620	CLA	CHC-C1C	2.92	1.42	1.35
25	S	312	CLA	CHC-C1C	2.92	1.42	1.35
25	1	602	CLA	CHC-C1C	2.92	1.42	1.35
25	B	836	CLA	C1D-ND	2.92	1.41	1.37
25	9	301	CLA	C1D-ND	2.92	1.41	1.37
25	A	807	CLA	CHC-C1C	2.92	1.42	1.35
25	A	807	CLA	CMB-C2B	-2.92	1.45	1.51
25	1	607	CLA	CHC-C1C	2.92	1.42	1.35
25	A	822	CLA	C1D-ND	2.92	1.41	1.37
25	B	809	CLA	C1D-ND	2.92	1.41	1.37
25	H	203	CLA	CHC-C1C	2.92	1.42	1.35
25	5	303	CLA	CHC-C1C	2.92	1.42	1.35
25	U	311	CLA	C2D-C1D	2.92	1.48	1.42
25	A	814	CLA	C3B-C2B	-2.92	1.36	1.40
25	7	307	CLA	CHC-C1C	2.92	1.42	1.35
25	B	822	CLA	C1D-ND	2.92	1.41	1.37
25	B	831	CLA	C1D-ND	2.92	1.41	1.37
25	9	308	CLA	CHC-C1C	2.92	1.42	1.35
25	H	202	CLA	CHC-C1C	2.92	1.42	1.35
25	A	823	CLA	CMB-C2B	-2.91	1.45	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	305	CHL	C1D-ND	-2.91	1.34	1.37
25	A	833	CLA	CMB-C2B	-2.91	1.45	1.51
33	U	309	CHL	C1D-ND	-2.91	1.34	1.37
33	a	305	CHL	MG-NA	-2.91	1.99	2.06
25	A	831	CLA	CHC-C1C	2.91	1.42	1.35
25	B	825	CLA	C1D-ND	2.91	1.41	1.37
25	O	202	CLA	CMD-C2D	-2.91	1.44	1.50
25	B	837	CLA	CMB-C2B	-2.91	1.45	1.51
25	3	305	CLA	CHC-C1C	2.91	1.42	1.35
25	B	832	CLA	CMB-C2B	-2.91	1.45	1.51
25	A	815	CLA	CHC-C1C	2.91	1.42	1.35
25	3	310	CLA	CHC-C1C	2.91	1.42	1.35
25	2	303	CLA	CHC-C1C	2.91	1.42	1.35
25	A	832	CLA	CMB-C2B	-2.91	1.45	1.51
25	B	809	CLA	CMB-C2B	-2.91	1.45	1.51
25	B	806	CLA	C3B-C2B	-2.90	1.36	1.40
25	5	302	CLA	CHC-C1C	2.90	1.42	1.35
25	7	306	CLA	CMB-C2B	-2.90	1.45	1.51
25	3	314	CLA	CHC-C1C	2.90	1.42	1.35
25	2	314	CLA	CHC-C1C	2.90	1.42	1.35
25	B	823	CLA	CMB-C2B	-2.90	1.45	1.51
25	B	804	CLA	CHC-C1C	2.90	1.42	1.35
25	7	308	CLA	CMB-C2B	-2.90	1.45	1.51
25	B	823	CLA	CHC-C1C	2.90	1.42	1.35
25	7	302	CLA	CHC-C1C	2.90	1.42	1.35
25	Q	609	CLA	C4D-ND	-2.90	1.33	1.37
33	P	608	CHL	C1D-ND	-2.90	1.34	1.37
33	R	608	CHL	C1D-ND	-2.90	1.34	1.37
33	T	607	CHL	C1D-ND	-2.90	1.34	1.37
25	6	609	CLA	CMB-C2B	-2.90	1.45	1.51
25	6	614	CLA	CMB-C2B	-2.90	1.45	1.51
25	A	838	CLA	CHC-C1C	2.90	1.42	1.35
25	U	310	CLA	C4D-ND	-2.89	1.33	1.37
25	7	307	CLA	C1D-ND	2.89	1.41	1.37
25	6	604	CLA	CHC-C1C	2.89	1.42	1.35
25	B	833	CLA	CMB-C2B	-2.89	1.45	1.51
25	9	301	CLA	CMB-C2B	-2.89	1.45	1.51
25	B	830	CLA	CMB-C2B	-2.89	1.45	1.51
25	B	818	CLA	CMB-C2B	-2.89	1.45	1.51
25	B	818	CLA	CHC-C1C	2.89	1.42	1.35
25	6	614	CLA	CHC-C1C	2.89	1.42	1.35
25	B	809	CLA	CHC-C1C	2.89	1.42	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	836	CLA	CHC-C1C	2.89	1.42	1.35
25	A	840	CLA	CMB-C2B	-2.89	1.45	1.51
25	3	320	CLA	CMB-C2B	-2.89	1.45	1.51
25	5	316	CLA	CMB-C2B	-2.89	1.45	1.51
25	1	604	CLA	CMB-C2B	-2.89	1.45	1.51
25	2	307	CLA	CHC-C1C	2.89	1.42	1.35
25	3	307	CLA	CMB-C2B	-2.89	1.45	1.51
25	Q	612	CLA	C4D-ND	-2.89	1.33	1.37
25	A	851	CLA	CHC-C1C	2.89	1.42	1.35
25	7	301	CLA	C3B-C2B	-2.89	1.36	1.40
25	B	812	CLA	C1D-ND	2.89	1.41	1.37
25	B	834	CLA	CHC-C1C	2.89	1.42	1.35
25	6	611	CLA	CHC-C1C	2.89	1.42	1.35
25	A	836	CLA	CHC-C1C	2.88	1.42	1.35
25	B	810	CLA	CHC-C1C	2.88	1.42	1.35
25	B	819	CLA	CHC-C1C	2.88	1.42	1.35
34	5	322	LUT	C1-C6	-2.88	1.49	1.53
25	7	309	CLA	C1D-ND	2.88	1.41	1.37
25	U	313	CLA	CHC-C1C	2.88	1.42	1.35
25	3	301	CLA	CMB-C2B	-2.88	1.45	1.51
25	3	303	CLA	CMB-C2B	-2.88	1.45	1.51
33	P	605	CHL	C1D-ND	-2.88	1.34	1.37
25	S	301	CLA	CHC-C1C	2.88	1.42	1.35
25	6	616	CLA	CHC-C1C	2.88	1.42	1.35
25	7	310	CLA	CHC-C1C	2.88	1.42	1.35
33	5	307	CHL	C3D-C2D	2.88	1.47	1.39
25	5	304	CLA	CHC-C1C	2.87	1.42	1.35
25	6	601	CLA	CHC-C1C	2.87	1.42	1.35
25	A	806	CLA	C1D-ND	2.87	1.41	1.37
25	8	310	CLA	CHC-C1C	2.87	1.42	1.35
25	8	305	CLA	CMB-C2B	-2.87	1.45	1.51
25	A	811	CLA	CHC-C1C	2.87	1.42	1.35
25	3	311	CLA	CHC-C1C	2.87	1.42	1.35
33	3	306	CHL	MG-NA	-2.87	1.99	2.06
25	B	837	CLA	CHC-C1C	2.87	1.42	1.35
25	A	814	CLA	CMB-C2B	-2.87	1.45	1.51
25	L	206	CLA	CHC-C1C	2.87	1.42	1.35
25	3	314	CLA	CMB-C2B	-2.87	1.45	1.51
25	L	201	CLA	CHC-C1C	2.87	1.42	1.35
25	5	310	CLA	CHC-C1C	2.87	1.42	1.35
25	K	201	CLA	CMB-C2B	-2.87	1.45	1.51
25	K	204	CLA	C4D-ND	-2.87	1.33	1.37

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	813	CLA	CHC-C1C	2.87	1.42	1.35
25	9	302	CLA	CHC-C1C	2.87	1.42	1.35
25	8	304	CLA	CHC-C1C	2.86	1.42	1.35
25	2	306	CLA	CHC-C1C	2.86	1.42	1.35
25	5	305	CLA	C1D-ND	2.86	1.41	1.37
25	a	313	CLA	CHC-C1C	2.86	1.42	1.35
25	A	836	CLA	C3B-C2B	-2.86	1.36	1.40
25	7	313	CLA	CHC-C1C	2.86	1.42	1.35
25	B	804	CLA	C1D-ND	2.86	1.41	1.37
25	A	812	CLA	CHC-C1C	2.86	1.42	1.35
25	A	842	CLA	CMB-C2B	-2.86	1.45	1.51
25	B	803	CLA	CMB-C2B	-2.86	1.45	1.51
25	A	801	CLA	CMB-C2B	-2.86	1.45	1.51
25	A	815	CLA	CMB-C2B	-2.86	1.45	1.51
25	B	836	CLA	CMB-C2B	-2.86	1.45	1.51
25	A	832	CLA	CHC-C1C	2.86	1.42	1.35
25	R	613	CLA	C4D-ND	-2.86	1.33	1.37
25	A	814	CLA	CHC-C1C	2.86	1.42	1.35
25	B	838	CLA	CMB-C2B	-2.86	1.45	1.51
25	B	822	CLA	CHC-C1C	2.86	1.42	1.35
25	J	105	CLA	CHC-C1C	2.86	1.42	1.35
28	4	321	BCR	C30-C25	-2.86	1.49	1.53
25	B	805	CLA	CHC-C1C	2.86	1.42	1.35
25	R	610	CLA	C4D-ND	-2.86	1.33	1.37
25	S	301	CLA	C3B-CAB	-2.86	1.42	1.47
25	9	305	CLA	CHC-C1C	2.86	1.42	1.35
25	1	614	CLA	CHC-C1C	2.85	1.42	1.35
25	3	304	CLA	CMB-C2B	-2.85	1.45	1.51
25	B	807	CLA	CHC-C1C	2.85	1.42	1.35
25	B	824	CLA	CHC-C1C	2.85	1.42	1.35
25	a	301	CLA	CMB-C2B	-2.85	1.45	1.51
25	8	303	CLA	CHC-C1C	2.85	1.42	1.35
33	Q	607	CHL	C1D-ND	-2.85	1.34	1.37
25	3	313	CLA	C1D-ND	2.85	1.41	1.37
25	A	819	CLA	CHC-C1C	2.85	1.42	1.35
34	7	314	LUT	C1-C6	-2.85	1.49	1.53
33	U	309	CHL	C4B-CHC	2.85	1.48	1.41
25	a	303	CLA	CMB-C2B	-2.85	1.45	1.51
25	A	809	CLA	C1D-ND	2.85	1.41	1.37
25	B	813	CLA	CMB-C2B	-2.85	1.45	1.51
25	4	301	CLA	CMB-C2B	-2.85	1.45	1.51
25	A	834	CLA	CMB-C2B	-2.85	1.45	1.51

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	837	CLA	CMB-C2B	-2.85	1.45	1.51
25	3	302	CLA	CMB-C2B	-2.85	1.45	1.51
25	K	205	CLA	CHC-C1C	2.85	1.42	1.35
25	3	320	CLA	CHC-C1C	2.85	1.42	1.35
25	B	828	CLA	CHC-C1C	2.85	1.42	1.35
25	3	304	CLA	CHC-C1C	2.85	1.42	1.35
25	A	840	CLA	CHC-C1C	2.85	1.42	1.35
25	L	209	CLA	CHC-C1C	2.84	1.42	1.35
25	B	808	CLA	CMB-C2B	-2.84	1.45	1.51
25	A	810	CLA	CMB-C2B	-2.84	1.45	1.51
25	A	842	CLA	C3B-C2B	-2.84	1.36	1.40
25	A	817	CLA	CHC-C1C	2.84	1.42	1.35
25	B	824	CLA	C1D-ND	2.84	1.41	1.37
25	8	305	CLA	C3B-C2B	-2.84	1.36	1.40
25	2	306	CLA	CMB-C2B	-2.84	1.45	1.51
25	A	813	CLA	CHC-C1C	2.84	1.42	1.35
25	B	801	CLA	CHC-C1C	2.84	1.42	1.35
34	3	316	LUT	C1-C6	-2.84	1.49	1.53
33	P	601	CHL	C1D-ND	-2.84	1.34	1.37
25	L	201	CLA	C3B-C2B	-2.84	1.36	1.40
25	9	304	CLA	C3B-C2B	-2.84	1.36	1.40
33	1	606	CHL	MG-NA	-2.84	1.99	2.06
25	A	802	CLA	CMB-C2B	-2.84	1.45	1.51
25	A	851	CLA	CMB-C2B	-2.84	1.45	1.51
25	7	302	CLA	CMB-C2B	-2.84	1.45	1.51
25	A	823	CLA	C1D-ND	2.84	1.41	1.37
25	6	623	CLA	CHC-C1C	2.84	1.42	1.35
25	1	607	CLA	CMB-C2B	-2.84	1.45	1.51
25	1	612	CLA	C4D-ND	-2.84	1.33	1.37
25	A	839	CLA	CHC-C1C	2.84	1.42	1.35
25	7	301	CLA	CHC-C1C	2.84	1.42	1.35
25	1	611	CLA	CMB-C2B	-2.84	1.45	1.51
25	8	302	CLA	CHC-C1C	2.84	1.42	1.35
25	A	823	CLA	CHC-C1C	2.83	1.42	1.35
25	K	201	CLA	CHC-C1C	2.83	1.42	1.35
25	A	819	CLA	C3B-C2B	-2.83	1.36	1.40
25	H	205	CLA	CHC-C1C	2.83	1.42	1.35
25	5	324	CLA	CMB-C2B	-2.83	1.45	1.51
33	Q	601	CHL	C1D-ND	-2.83	1.34	1.37
25	S	320	CLA	C4D-ND	-2.83	1.33	1.37
25	A	804	CLA	CHC-C1C	2.83	1.42	1.35
25	3	307	CLA	CHC-C1C	2.83	1.42	1.35

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	830	CLA	C3B-C2B	-2.83	1.36	1.40
25	A	818	CLA	CHC-C1C	2.83	1.42	1.35
25	A	835	CLA	CHC-C1C	2.83	1.42	1.35
25	B	817	CLA	CMB-C2B	-2.83	1.45	1.51
25	2	304	CLA	CHC-C1C	2.83	1.42	1.35
25	2	308	CLA	CHC-C1C	2.83	1.42	1.35
25	2	311	CLA	CHC-C1C	2.83	1.42	1.35
25	8	312	CLA	CHC-C1C	2.83	1.42	1.35
25	5	324	CLA	C1D-ND	2.83	1.41	1.37
25	A	802	CLA	C1D-ND	2.82	1.41	1.37
25	A	832	CLA	C1D-ND	2.82	1.41	1.37
25	B	808	CLA	CHC-C1C	2.82	1.42	1.35
25	8	305	CLA	CHC-C1C	2.82	1.42	1.35
25	3	308	CLA	C1D-ND	2.82	1.41	1.37
25	A	817	CLA	CMB-C2B	-2.82	1.45	1.51
25	9	305	CLA	CMB-C2B	-2.82	1.45	1.51
25	8	314	CLA	CMB-C2B	-2.82	1.45	1.51
25	L	202	CLA	CHC-C1C	2.82	1.42	1.35
25	1	610	CLA	CMB-C2B	-2.82	1.45	1.51
25	B	807	CLA	CMB-C2B	-2.82	1.45	1.51
25	A	819	CLA	C1D-ND	2.82	1.41	1.37
33	S	310	CHL	C1D-ND	-2.82	1.34	1.37
25	L	202	CLA	C3B-C2B	-2.82	1.36	1.40
25	B	822	CLA	CMB-C2B	-2.82	1.45	1.51
25	8	304	CLA	CMB-C2B	-2.82	1.45	1.51
25	A	807	CLA	C3B-C2B	-2.82	1.36	1.40
25	Q	603	CLA	C4D-ND	-2.82	1.33	1.37
33	R	601	CHL	C1D-ND	-2.82	1.34	1.37
25	1	612	CLA	CMB-C2B	-2.82	1.45	1.51
25	5	303	CLA	C3B-C2B	-2.82	1.36	1.40
25	8	313	CLA	CHC-C1C	2.82	1.42	1.35
25	P	602	CLA	C4D-ND	-2.82	1.33	1.37
25	B	819	CLA	CMB-C2B	-2.82	1.45	1.51
25	B	827	CLA	CHC-C1C	2.81	1.42	1.35
25	B	849	CLA	CHC-C1C	2.81	1.42	1.35
25	5	319	CLA	CMB-C2B	-2.81	1.45	1.51
28	B	842	BCR	C30-C25	-2.81	1.49	1.53
25	B	805	CLA	CMB-C2B	-2.81	1.45	1.51
25	U	303	CLA	C4D-ND	-2.81	1.33	1.37
25	B	812	CLA	CMB-C2B	-2.81	1.45	1.51
25	A	812	CLA	C3B-C2B	-2.81	1.36	1.40
25	8	313	CLA	CMB-C2B	-2.81	1.45	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	3	301	CLA	CHC-C1C	2.81	1.42	1.35
25	A	809	CLA	CMB-C2B	-2.81	1.45	1.51
25	A	842	CLA	C1D-ND	2.81	1.41	1.37
25	A	810	CLA	CHC-C1C	2.81	1.42	1.35
25	B	817	CLA	CHC-C1C	2.81	1.42	1.35
33	7	305	CHL	C3D-C2D	2.81	1.46	1.39
25	7	311	CLA	CHC-C1C	2.81	1.42	1.35
25	3	308	CLA	CMB-C2B	-2.81	1.45	1.51
25	2	303	CLA	CMB-C2B	-2.81	1.45	1.51
25	5	313	CLA	CMB-C2B	-2.81	1.45	1.51
33	T	607	CHL	MG-NA	-2.81	1.99	2.06
25	A	804	CLA	CMB-C2B	-2.80	1.45	1.51
25	A	853	CLA	CMB-C2B	-2.80	1.45	1.51
25	4	311	CLA	CHC-C1C	2.80	1.42	1.35
25	A	803	CLA	CMB-C2B	-2.80	1.45	1.51
25	B	837	CLA	C1D-ND	2.80	1.41	1.37
25	B	816	CLA	CHC-C1C	2.80	1.42	1.35
25	6	603	CLA	CHC-C1C	2.80	1.42	1.35
25	3	302	CLA	CMD-C2D	-2.80	1.44	1.50
25	3	313	CLA	CHC-C1C	2.80	1.42	1.35
25	2	308	CLA	CMB-C2B	-2.80	1.45	1.51
33	S	307	CHL	C4B-CHC	2.80	1.48	1.41
25	B	815	CLA	C3B-CAB	-2.80	1.42	1.47
25	B	810	CLA	C1D-ND	2.80	1.41	1.37
34	3	315	LUT	C1-C6	-2.80	1.49	1.53
33	R	606	CHL	C1D-ND	-2.80	1.34	1.37
25	B	811	CLA	C3B-CAB	-2.79	1.42	1.47
33	6	608	CHL	C3D-C2D	2.79	1.46	1.39
25	5	313	CLA	C3B-C2B	-2.79	1.36	1.40
25	4	308	CLA	CMB-C2B	-2.79	1.45	1.51
25	B	805	CLA	C1D-ND	2.79	1.41	1.37
25	1	612	CLA	C1D-ND	2.79	1.41	1.37
25	B	806	CLA	CHC-C1C	2.79	1.42	1.35
25	7	310	CLA	C3B-C2B	-2.79	1.36	1.40
25	B	832	CLA	C3B-C2B	-2.79	1.36	1.40
25	6	612	CLA	CMB-C2B	-2.79	1.45	1.51
25	B	849	CLA	CMB-C2B	-2.79	1.45	1.51
25	A	838	CLA	CMB-C2B	-2.79	1.45	1.51
25	B	825	CLA	CMB-C2B	-2.79	1.45	1.51
25	8	314	CLA	C1D-ND	2.79	1.41	1.37
28	L	204	BCR	C1-C6	-2.79	1.49	1.53
25	9	304	CLA	CMB-C2B	-2.79	1.45	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	7	311	CLA	CMB-C2B	-2.79	1.45	1.51
33	1	601	CHL	C1C-NC	-2.79	1.33	1.37
25	A	808	CLA	C3B-C2B	-2.79	1.36	1.40
25	O	203	CLA	CHC-C1C	2.79	1.42	1.35
25	Q	602	CLA	C4D-ND	-2.79	1.33	1.37
25	B	829	CLA	C1D-ND	2.78	1.41	1.37
25	A	801	CLA	CHC-C1C	2.78	1.42	1.35
25	A	834	CLA	CHC-C1C	2.78	1.42	1.35
25	2	312	CLA	CMB-C2B	-2.78	1.45	1.51
25	7	312	CLA	CMB-C2B	-2.78	1.45	1.51
25	5	305	CLA	CMB-C2B	-2.78	1.45	1.51
25	A	822	CLA	CHC-C1C	2.78	1.42	1.35
33	P	606	CHL	C1D-ND	-2.78	1.34	1.37
25	H	203	CLA	CMB-C2B	-2.78	1.45	1.51
25	T	611	CLA	C4D-ND	-2.78	1.33	1.37
25	4	301	CLA	C1D-ND	2.78	1.41	1.37
25	6	609	CLA	CHC-C1C	2.78	1.42	1.35
25	A	839	CLA	CMB-C2B	-2.78	1.45	1.51
25	1	609	CLA	C4D-ND	-2.78	1.33	1.37
25	A	820	CLA	C3B-C2B	-2.78	1.36	1.40
25	5	313	CLA	CHC-C1C	2.78	1.42	1.35
28	L	203	BCR	C30-C25	-2.78	1.49	1.53
25	A	803	CLA	C3B-C2B	-2.78	1.36	1.40
25	B	821	CLA	CMB-C2B	-2.78	1.45	1.51
25	G	202	CLA	CMB-C2B	-2.78	1.45	1.51
25	5	316	CLA	CHC-C1C	2.78	1.42	1.35
25	7	306	CLA	C3B-C2B	-2.77	1.36	1.40
25	F	802	CLA	CMB-C2B	-2.77	1.45	1.51
25	A	820	CLA	C1D-ND	2.77	1.41	1.37
25	1	602	CLA	CMB-C2B	-2.77	1.45	1.51
25	4	308	CLA	CHC-C1C	2.77	1.42	1.35
25	2	303	CLA	C3B-C2B	-2.77	1.36	1.40
25	a	308	CLA	C1D-ND	2.77	1.41	1.37
33	S	307	CHL	C1D-ND	-2.77	1.34	1.37
25	L	205	CLA	CMB-C2B	-2.77	1.45	1.51
33	S	306	CHL	C4C-C3C	2.77	1.49	1.45
25	9	303	CLA	CHC-C1C	2.77	1.42	1.35
25	J	103	CLA	CMB-C2B	-2.77	1.45	1.51
25	J	103	CLA	CHC-C1C	2.77	1.42	1.35
25	7	304	CLA	CHC-C1C	2.76	1.42	1.35
25	A	826	CLA	CMB-C2B	-2.76	1.45	1.51
25	B	829	CLA	CMB-C2B	-2.76	1.45	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	821	CLA	CHC-C1C	2.76	1.42	1.35
25	2	305	CLA	CMB-C2B	-2.76	1.45	1.51
25	3	304	CLA	C3B-C2B	-2.76	1.36	1.40
25	4	303	CLA	CMB-C2B	-2.76	1.45	1.51
33	8	307	CHL	MG-NA	-2.76	1.99	2.06
25	H	202	CLA	CMB-C2B	-2.76	1.45	1.51
25	A	816	CLA	CMB-C2B	-2.76	1.45	1.51
25	1	613	CLA	CMB-C2B	-2.76	1.45	1.51
33	T	605	CHL	C1D-ND	-2.76	1.34	1.37
25	B	814	CLA	CHC-C1C	2.76	1.42	1.35
33	S	302	CHL	C1D-ND	-2.75	1.34	1.37
25	O	202	CLA	CMB-C2B	-2.75	1.45	1.51
25	6	616	CLA	CMB-C2B	-2.75	1.45	1.51
33	Q	606	CHL	C1D-ND	-2.75	1.34	1.37
25	5	309	CLA	CHC-C1C	2.75	1.42	1.35
33	S	306	CHL	C1D-ND	-2.75	1.34	1.37
25	7	303	CLA	CMB-C2B	-2.75	1.45	1.51
33	R	601	CHL	C4B-CHC	2.75	1.48	1.41
25	B	833	CLA	C1D-ND	2.75	1.41	1.37
25	8	308	CLA	CMB-C2B	-2.75	1.45	1.51
33	9	307	CHL	MG-NA	-2.75	1.99	2.06
25	3	311	CLA	CMB-C2B	-2.74	1.45	1.51
33	T	606	CHL	C1D-ND	-2.74	1.34	1.37
25	A	817	CLA	C3B-C2B	-2.74	1.36	1.40
25	U	302	CLA	C4D-ND	-2.74	1.33	1.37
25	A	828	CLA	CHC-C1C	2.74	1.42	1.35
25	3	308	CLA	CHC-C1C	2.74	1.42	1.35
25	a	303	CLA	CMD-C2D	-2.74	1.45	1.50
25	L	206	CLA	CMB-C2B	-2.74	1.45	1.51
25	L	201	CLA	C1D-ND	2.74	1.41	1.37
25	A	803	CLA	MG-ND	-2.74	2.00	2.05
25	A	821	CLA	C3B-C2B	-2.74	1.36	1.40
25	B	833	CLA	C3B-C2B	-2.74	1.36	1.40
25	A	806	CLA	CHC-C1C	2.74	1.42	1.35
25	a	311	CLA	CHC-C1C	2.74	1.42	1.35
25	9	303	CLA	CMB-C2B	-2.74	1.45	1.51
25	5	312	CLA	CMB-C2B	-2.74	1.45	1.51
33	1	601	CHL	MG-NA	-2.73	1.99	2.06
25	8	309	CLA	CMB-C2B	-2.73	1.46	1.51
25	U	313	CLA	C3B-CAB	-2.73	1.42	1.47
25	L	205	CLA	CHC-C1C	2.73	1.42	1.35
33	Q	601	CHL	C4B-CHC	2.73	1.48	1.41

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	805	CLA	C1D-ND	2.73	1.41	1.37
25	1	605	CLA	C3B-C2B	-2.73	1.36	1.40
25	7	307	CLA	CMB-C2B	-2.73	1.46	1.51
33	P	601	CHL	C4B-CHC	2.73	1.48	1.41
33	R	605	CHL	C4B-CHC	2.73	1.48	1.41
25	B	821	CLA	CMC-C2C	-2.73	1.45	1.50
25	1	610	CLA	C3B-C2B	-2.73	1.36	1.40
25	2	311	CLA	CMB-C2B	-2.73	1.46	1.51
25	A	833	CLA	C1D-ND	2.73	1.41	1.37
25	5	311	CLA	CMB-C2B	-2.72	1.46	1.51
25	B	811	CLA	CHC-C1C	2.72	1.41	1.35
25	B	831	CLA	C3B-C2B	-2.72	1.36	1.40
25	7	310	CLA	CMB-C2B	-2.72	1.46	1.51
25	A	842	CLA	CHC-C1C	2.72	1.41	1.35
25	3	313	CLA	CMB-C2B	-2.72	1.46	1.51
25	A	827	CLA	C1D-ND	2.72	1.41	1.37
25	7	309	CLA	CMB-C2B	-2.72	1.46	1.51
33	S	309	CHL	C1D-ND	-2.72	1.34	1.37
25	A	832	CLA	C3B-C2B	-2.72	1.36	1.40
25	B	820	CLA	CHC-C1C	2.72	1.41	1.35
25	B	802	CLA	CMB-C2B	-2.72	1.46	1.51
25	A	826	CLA	CHC-C1C	2.72	1.41	1.35
25	1	609	CLA	CMB-C2B	-2.72	1.46	1.51
25	G	201	CLA	CMB-C2B	-2.72	1.46	1.51
25	6	605	CLA	CMB-C2B	-2.72	1.46	1.51
25	B	820	CLA	CMB-C2B	-2.72	1.46	1.51
25	6	610	CLA	CMB-C2B	-2.72	1.46	1.51
25	B	812	CLA	C3B-C2B	-2.72	1.36	1.40
25	B	833	CLA	CHC-C1C	2.72	1.41	1.35
25	A	829	CLA	CHC-C1C	2.72	1.41	1.35
25	A	818	CLA	CMB-C2B	-2.71	1.46	1.51
25	K	203	CLA	CMB-C2B	-2.71	1.46	1.51
25	T	602	CLA	C4D-ND	-2.71	1.34	1.37
33	5	308	CHL	C3D-C2D	2.71	1.46	1.39
25	A	829	CLA	C1D-ND	2.71	1.41	1.37
33	4	305	CHL	C4B-CHC	2.71	1.48	1.41
33	P	608	CHL	MG-NA	-2.71	1.99	2.06
33	T	601	CHL	C4B-CHC	2.71	1.48	1.41
25	a	301	CLA	C3B-C2B	-2.71	1.36	1.40
25	B	822	CLA	C3B-C2B	-2.71	1.36	1.40
25	7	311	CLA	C3B-C2B	-2.71	1.36	1.40
25	2	302	CLA	CMB-C2B	-2.70	1.46	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	819	CLA	C3B-CAB	-2.70	1.42	1.47
25	1	603	CLA	CMB-C2B	-2.70	1.46	1.51
25	A	811	CLA	C3B-C2B	-2.70	1.36	1.40
25	4	310	CLA	CAA-C2A	-2.70	1.49	1.54
25	3	301	CLA	C3B-C2B	-2.70	1.36	1.40
25	3	314	CLA	C3B-C2B	-2.70	1.36	1.40
25	1	608	CLA	CMB-C2B	-2.70	1.46	1.51
25	4	307	CLA	CMB-C2B	-2.70	1.46	1.51
25	8	312	CLA	CMB-C2B	-2.70	1.46	1.51
33	R	608	CHL	MG-NA	-2.70	1.99	2.06
25	a	307	CLA	CMB-C2B	-2.70	1.46	1.51
25	A	828	CLA	CMB-C2B	-2.70	1.46	1.51
25	5	306	CLA	CMB-C2B	-2.70	1.46	1.51
25	A	806	CLA	C3B-C2B	-2.70	1.36	1.40
33	5	307	CHL	C1C-NC	-2.70	1.33	1.37
25	A	835	CLA	C3B-CAB	-2.70	1.42	1.47
25	A	830	CLA	CHC-C1C	2.70	1.41	1.35
25	B	802	CLA	C1D-ND	2.69	1.41	1.37
33	Q	607	CHL	MG-NA	-2.69	1.99	2.06
25	3	307	CLA	C1D-ND	2.69	1.41	1.37
25	2	307	CLA	CMB-C2B	-2.69	1.46	1.51
25	1	602	CLA	C3B-C2B	-2.69	1.36	1.40
36	U	301	NEX	C1-C6	-2.69	1.50	1.54
25	3	303	CLA	CHC-C1C	2.69	1.41	1.35
25	7	303	CLA	C1D-ND	2.69	1.41	1.37
25	8	311	CLA	CMB-C2B	-2.69	1.46	1.51
25	a	302	CLA	CMB-C2B	-2.69	1.46	1.51
25	B	807	CLA	C3B-C2B	-2.69	1.36	1.40
25	H	201	CLA	CMB-C2B	-2.69	1.46	1.51
33	6	617	CHL	C1D-ND	-2.69	1.34	1.37
25	5	304	CLA	CMB-C2B	-2.68	1.46	1.51
33	6	608	CHL	MG-NA	-2.68	1.99	2.06
25	8	313	CLA	C3B-C2B	-2.68	1.36	1.40
33	R	601	CHL	C4C-C3C	2.68	1.49	1.45
33	3	306	CHL	C1C-NC	-2.68	1.33	1.37
25	A	833	CLA	CHC-C1C	2.68	1.41	1.35
33	T	606	CHL	MG-NA	-2.68	1.99	2.06
25	B	823	CLA	C1D-ND	2.68	1.41	1.37
25	8	308	CLA	CHC-C1C	2.68	1.41	1.35
25	a	308	CLA	C4D-ND	-2.68	1.34	1.37
25	5	319	CLA	C3B-C2B	-2.68	1.36	1.40
25	7	309	CLA	C3B-C2B	-2.68	1.36	1.40

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	304	CLA	CMB-C2B	-2.67	1.46	1.51
25	6	604	CLA	CMB-C2B	-2.67	1.46	1.51
33	9	306	CHL	C3D-C2D	2.67	1.46	1.39
25	A	826	CLA	C3B-C2B	-2.67	1.36	1.40
25	2	306	CLA	C3B-C2B	-2.67	1.36	1.40
25	2	314	CLA	CMB-C2B	-2.67	1.46	1.51
25	6	611	CLA	CMB-C2B	-2.67	1.46	1.51
25	K	205	CLA	CMB-C2B	-2.67	1.46	1.51
25	B	825	CLA	CHC-C1C	2.67	1.41	1.35
25	K	202	CLA	CMB-C2B	-2.66	1.46	1.51
25	6	613	CLA	CMB-C2B	-2.66	1.46	1.51
25	R	602	CLA	C4D-ND	-2.66	1.34	1.37
33	S	306	CHL	C4D-CHA	2.66	1.47	1.38
25	B	827	CLA	C1D-ND	2.66	1.41	1.37
25	3	312	CLA	CMB-C2B	-2.66	1.46	1.51
25	7	313	CLA	CMB-C2B	-2.66	1.46	1.51
25	A	805	CLA	C3B-CAB	-2.66	1.42	1.47
25	H	201	CLA	CHC-C1C	2.66	1.41	1.35
33	1	606	CHL	C4B-CHC	2.66	1.48	1.41
25	2	310	CLA	CMB-C2B	-2.66	1.46	1.51
25	B	823	CLA	C3B-C2B	-2.66	1.36	1.40
25	A	851	CLA	C3B-C2B	-2.65	1.36	1.40
25	8	302	CLA	CMB-C2B	-2.65	1.46	1.51
25	5	303	CLA	CMB-C2B	-2.65	1.46	1.51
33	P	601	CHL	C4C-C3C	2.65	1.49	1.45
25	9	311	CLA	CMB-C2B	-2.65	1.46	1.51
33	S	302	CHL	C4B-CHC	2.65	1.48	1.41
25	3	310	CLA	CMB-C2B	-2.65	1.46	1.51
25	5	302	CLA	CMB-C2B	-2.65	1.46	1.51
25	5	316	CLA	C3B-C2B	-2.65	1.36	1.40
25	5	315	CLA	CMB-C2B	-2.65	1.46	1.51
33	Q	601	CHL	C4C-C3C	2.65	1.49	1.45
33	a	305	CHL	C4B-CHC	2.65	1.48	1.41
33	P	622	CHL	C1C-NC	-2.65	1.33	1.37
25	6	615	CLA	CMB-C2B	-2.65	1.46	1.51
33	U	305	CHL	C4D-CHA	2.65	1.47	1.38
25	3	307	CLA	C3B-C2B	-2.64	1.36	1.40
25	O	203	CLA	CMB-C2B	-2.64	1.46	1.51
25	3	311	CLA	C3B-C2B	-2.64	1.36	1.40
25	B	825	CLA	C3B-C2B	-2.64	1.36	1.40
25	9	310	CLA	CMB-C2B	-2.64	1.46	1.51
34	1	615	LUT	C1-C6	-2.64	1.50	1.53

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	9	305	CLA	C3B-C2B	-2.64	1.36	1.40
25	A	833	CLA	C3B-C2B	-2.63	1.36	1.40
34	1	616	LUT	C1-C6	-2.63	1.50	1.53
25	B	808	CLA	CMC-C2C	-2.63	1.45	1.50
25	5	314	CLA	CMB-C2B	-2.63	1.46	1.51
25	A	806	CLA	C3B-CAB	-2.63	1.42	1.47
25	1	607	CLA	C3B-C2B	-2.63	1.36	1.40
25	6	620	CLA	CMB-C2B	-2.63	1.46	1.51
28	B	841	BCR	C30-C25	-2.63	1.50	1.53
25	B	836	CLA	C3B-C2B	-2.63	1.36	1.40
25	8	306	CLA	CMB-C2B	-2.63	1.46	1.51
25	6	610	CLA	C3B-C2B	-2.63	1.36	1.40
25	L	209	CLA	CMB-C2B	-2.63	1.46	1.51
25	O	201	CLA	CMB-C2B	-2.63	1.46	1.51
25	L	205	CLA	C3B-C2B	-2.63	1.36	1.40
25	3	320	CLA	C1D-ND	2.63	1.41	1.37
25	H	205	CLA	CMB-C2B	-2.63	1.46	1.51
25	8	303	CLA	C3B-C2B	-2.63	1.36	1.40
25	3	305	CLA	CMB-C2B	-2.62	1.46	1.51
25	2	302	CLA	C3B-C2B	-2.62	1.36	1.40
33	4	304	CHL	MG-NA	-2.62	2.00	2.06
25	9	309	CLA	CMB-C2B	-2.62	1.46	1.51
25	A	835	CLA	C1D-ND	2.62	1.41	1.37
33	6	607	CHL	MG-NA	-2.62	2.00	2.06
25	4	302	CLA	CMB-C2B	-2.62	1.46	1.51
25	A	822	CLA	C3B-C2B	-2.62	1.36	1.40
25	3	303	CLA	C3B-C2B	-2.62	1.36	1.40
33	U	305	CHL	C1D-ND	-2.62	1.34	1.37
25	5	310	CLA	CMB-C2B	-2.62	1.46	1.51
25	9	308	CLA	CMB-C2B	-2.62	1.46	1.51
33	Q	605	CHL	C4D-CHA	2.61	1.47	1.38
25	B	808	CLA	CMD-C2D	-2.61	1.45	1.50
33	U	308	CHL	C1D-ND	-2.61	1.34	1.37
25	4	312	CLA	CMB-C2B	-2.61	1.46	1.51
25	6	614	CLA	C3B-C2B	-2.61	1.36	1.40
25	L	205	CLA	C3B-CAB	-2.61	1.42	1.47
25	A	835	CLA	MG-ND	-2.61	2.00	2.05
25	4	307	CLA	C3B-C2B	-2.61	1.36	1.40
25	A	803	CLA	CHC-C1C	2.60	1.41	1.35
25	A	814	CLA	CMC-C2C	-2.60	1.45	1.50
25	a	308	CLA	CMC-C2C	-2.60	1.45	1.50
33	T	601	CHL	C4C-C3C	2.60	1.49	1.45

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	8	315	CLA	CMB-C2B	-2.60	1.46	1.51
25	a	311	CLA	CMB-C2B	-2.60	1.46	1.51
33	T	604	CHL	C4D-CHA	2.60	1.47	1.38
33	T	607	CHL	C4B-CHC	2.60	1.48	1.41
25	B	828	CLA	C3B-C2B	-2.60	1.36	1.40
33	U	306	CHL	C4B-CHC	2.59	1.48	1.41
33	S	308	CHL	C1D-ND	-2.59	1.34	1.37
28	F	803	BCR	C1-C6	-2.59	1.50	1.53
25	R	602	CLA	CMB-C2B	-2.59	1.46	1.51
25	6	605	CLA	CMD-C2D	-2.59	1.45	1.50
25	A	825	CLA	CMD-C2D	-2.59	1.45	1.50
25	A	806	CLA	CMC-C2C	-2.59	1.45	1.50
25	a	303	CLA	C5-C3	-2.59	1.45	1.51
28	F	801	BCR	C1-C6	-2.59	1.50	1.53
25	B	815	CLA	CHC-C1C	2.59	1.41	1.35
33	Q	601	CHL	C4D-CHA	2.59	1.47	1.38
33	S	310	CHL	C4B-CHC	2.59	1.48	1.41
33	R	607	CHL	C4B-CHC	2.59	1.48	1.41
25	A	825	CLA	C3B-CAB	-2.59	1.42	1.47
25	A	830	CLA	C3B-C2B	-2.59	1.36	1.40
33	P	605	CHL	MG-NA	-2.59	2.00	2.06
33	5	317	CHL	MG-NA	-2.59	2.00	2.06
25	a	303	CLA	C1D-ND	2.59	1.41	1.37
33	S	321	CHL	C1D-ND	-2.59	1.34	1.37
34	7	315	LUT	C1-C6	-2.59	1.50	1.53
25	3	309	CLA	CMB-C2B	-2.58	1.46	1.51
25	a	310	CLA	CMB-C2B	-2.58	1.46	1.51
33	S	307	CHL	MG-NA	-2.58	2.00	2.06
25	7	303	CLA	C3B-CAB	-2.58	1.42	1.47
25	8	303	CLA	CMC-C2C	-2.58	1.45	1.50
25	A	810	CLA	C3B-CAB	-2.58	1.42	1.47
33	S	310	CHL	MG-NA	-2.58	2.00	2.06
33	S	321	CHL	C4B-CHC	2.58	1.48	1.41
25	L	205	CLA	C1D-ND	2.58	1.41	1.37
33	R	606	CHL	C4B-CHC	2.58	1.48	1.41
33	S	307	CHL	C2C-C1C	2.58	1.50	1.44
25	A	827	CLA	CMD-C2D	-2.58	1.45	1.50
33	T	607	CHL	C4D-CHA	2.58	1.47	1.38
25	5	309	CLA	C3B-CAB	-2.58	1.42	1.47
25	A	837	CLA	C3B-C2B	-2.57	1.36	1.40
25	A	813	CLA	C3B-CAB	-2.57	1.42	1.47
25	J	105	CLA	CMB-C2B	-2.57	1.46	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	808	CLA	C1D-ND	2.57	1.40	1.37
25	5	306	CLA	CMD-C2D	-2.57	1.45	1.50
25	A	838	CLA	C3B-C2B	-2.57	1.36	1.40
25	2	313	CLA	CMB-C2B	-2.57	1.46	1.51
25	7	308	CLA	C3B-CAB	-2.57	1.42	1.47
25	1	609	CLA	C1D-ND	2.57	1.40	1.37
33	U	306	CHL	C1D-ND	-2.57	1.34	1.37
25	2	309	CLA	CMB-C2B	-2.57	1.46	1.51
25	B	812	CLA	C3B-CAB	-2.57	1.42	1.47
33	P	607	CHL	C4B-CHC	2.57	1.48	1.41
33	P	601	CHL	C4D-CHA	2.57	1.47	1.38
25	A	821	CLA	CMD-C2D	-2.56	1.45	1.50
33	S	321	CHL	MG-NA	-2.56	2.00	2.06
25	6	623	CLA	CMB-C2B	-2.56	1.46	1.51
25	a	309	CLA	CMB-C2B	-2.56	1.46	1.51
33	P	622	CHL	C1B-CHB	2.56	1.48	1.41
25	4	310	CLA	CMB-C2B	-2.56	1.46	1.51
25	8	302	CLA	C3B-C2B	-2.56	1.36	1.40
25	1	612	CLA	CHC-C1C	2.56	1.41	1.35
25	F	802	CLA	C3B-C2B	-2.56	1.36	1.40
25	A	820	CLA	CHC-C1C	2.56	1.41	1.35
25	1	612	CLA	CMD-C2D	-2.56	1.45	1.50
33	P	619	CHL	C4B-CHC	2.56	1.48	1.41
33	R	601	CHL	C4D-CHA	2.56	1.47	1.38
33	U	307	CHL	C4B-CHC	2.56	1.48	1.41
33	S	302	CHL	C4D-CHA	2.56	1.47	1.38
25	6	601	CLA	CMB-C2B	-2.56	1.46	1.51
25	6	613	CLA	C3B-C2B	-2.56	1.36	1.40
25	a	312	CLA	CMB-C2B	-2.56	1.46	1.51
25	1	614	CLA	CMB-C2B	-2.56	1.46	1.51
25	5	305	CLA	CHC-C1C	2.56	1.41	1.35
33	8	307	CHL	C4B-CHC	2.56	1.48	1.41
25	A	814	CLA	C3B-CAB	-2.56	1.42	1.47
33	9	307	CHL	C4B-CHC	2.56	1.48	1.41
25	A	828	CLA	C3B-C2B	-2.56	1.36	1.40
33	U	308	CHL	MG-NA	-2.56	2.00	2.06
25	2	304	CLA	C3B-C2B	-2.55	1.36	1.40
33	P	622	CHL	C4D-CHA	2.55	1.47	1.38
33	7	305	CHL	MG-NA	-2.55	2.00	2.06
25	A	818	CLA	C3B-C2B	-2.55	1.36	1.40
25	1	612	CLA	C3B-C2B	-2.55	1.36	1.40
25	5	302	CLA	C3B-CAB	-2.55	1.42	1.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	814	CLA	CMD-C2D	-2.55	1.45	1.50
25	A	832	CLA	CMD-C2D	-2.55	1.45	1.50
25	A	806	CLA	CMD-C2D	-2.55	1.45	1.50
28	L	204	BCR	C30-C25	-2.55	1.50	1.53
33	Q	608	CHL	C2-C3	2.55	1.39	1.33
25	O	203	CLA	CMD-C2D	-2.55	1.45	1.50
25	1	611	CLA	CMD-C2D	-2.55	1.45	1.50
33	T	604	CHL	C1D-ND	-2.55	1.34	1.37
25	B	826	CLA	CMD-C2D	-2.55	1.45	1.50
33	U	307	CHL	C1D-ND	-2.55	1.34	1.37
25	Q	611	CLA	CMB-C2B	-2.55	1.46	1.51
33	T	607	CHL	C4C-C3C	2.54	1.49	1.45
25	B	802	CLA	C3B-C2B	-2.54	1.36	1.40
33	T	601	CHL	C4D-CHA	2.54	1.47	1.38
34	6	619	LUT	C1-C6	-2.54	1.50	1.53
25	A	836	CLA	CMD-C2D	-2.54	1.45	1.50
33	S	308	CHL	C4B-CHC	2.54	1.48	1.41
25	9	311	CLA	C3B-C2B	-2.54	1.36	1.40
33	R	605	CHL	C4D-CHA	2.54	1.47	1.38
33	P	609	CHL	C2-C3	2.54	1.39	1.33
25	B	801	CLA	C3B-C2B	-2.54	1.36	1.40
25	Q	610	CLA	CMB-C2B	-2.54	1.46	1.51
25	A	835	CLA	CMC-C2C	-2.53	1.45	1.50
25	T	608	CLA	CMB-C2B	-2.53	1.46	1.51
25	9	308	CLA	CMD-C2D	-2.53	1.45	1.50
28	B	840	BCR	C1-C6	-2.53	1.50	1.53
25	1	604	CLA	MG-ND	-2.53	2.00	2.05
25	B	801	CLA	C3B-CAB	-2.53	1.42	1.47
33	T	606	CHL	C4B-CHC	2.53	1.48	1.41
25	R	603	CLA	C4D-ND	-2.53	1.34	1.37
25	2	307	CLA	C3B-C2B	-2.53	1.36	1.40
25	A	829	CLA	C3B-CAB	-2.53	1.42	1.47
25	A	805	CLA	CMD-C2D	-2.53	1.45	1.50
25	S	315	CLA	CMB-C2B	-2.53	1.46	1.51
33	6	608	CHL	C4B-CHC	2.53	1.48	1.41
25	A	839	CLA	C3B-C2B	-2.53	1.36	1.40
25	B	818	CLA	C3B-C2B	-2.53	1.36	1.40
25	A	842	CLA	C3B-CAB	-2.53	1.42	1.47
33	4	304	CHL	C1C-NC	-2.53	1.34	1.37
33	6	607	CHL	C1C-NC	-2.53	1.34	1.37
25	B	827	CLA	C3B-CAB	-2.53	1.42	1.47
25	K	204	CLA	CMB-C2B	-2.53	1.46	1.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	832	CLA	C3B-CAB	-2.53	1.42	1.47
25	B	815	CLA	MG-ND	-2.53	2.00	2.05
25	7	301	CLA	CMD-C2D	-2.53	1.45	1.50
25	4	309	CLA	CMB-C2B	-2.52	1.46	1.51
28	A	846	BCR	C1-C6	-2.52	1.50	1.53
25	A	813	CLA	CMD-C2D	-2.52	1.45	1.50
25	S	303	CLA	CMB-C2B	-2.52	1.46	1.51
25	B	804	CLA	CMD-C2D	-2.52	1.45	1.50
25	3	302	CLA	C3B-C2B	-2.52	1.36	1.40
25	B	833	CLA	MG-ND	-2.52	2.00	2.05
33	P	606	CHL	C4B-CHC	2.52	1.48	1.41
33	P	607	CHL	MG-NA	-2.52	2.00	2.06
33	R	609	CHL	C2-C3	2.52	1.39	1.33
34	5	318	LUT	C1-C6	-2.52	1.50	1.53
25	2	314	CLA	C3B-C2B	-2.52	1.36	1.40
33	Q	606	CHL	C4C-C3C	2.52	1.49	1.45
25	B	824	CLA	CMD-C2D	-2.52	1.45	1.50
25	4	313	CLA	CMB-C2B	-2.52	1.46	1.51
25	B	804	CLA	C3B-CAB	-2.52	1.42	1.47
33	4	322	CHL	C1C-NC	-2.52	1.34	1.37
25	4	301	CLA	C3B-C2B	-2.52	1.36	1.40
25	B	810	CLA	C3B-CAB	-2.52	1.42	1.47
25	A	818	CLA	CMD-C2D	-2.52	1.45	1.50
25	A	807	CLA	C3B-CAB	-2.51	1.42	1.47
33	U	305	CHL	C4B-CHC	2.51	1.48	1.41
25	B	823	CLA	MG-ND	-2.51	2.00	2.05
25	B	801	CLA	CMC-C2C	-2.51	1.45	1.50
25	B	810	CLA	CMD-C2D	-2.51	1.45	1.50
25	4	302	CLA	C3B-C2B	-2.51	1.36	1.40
25	P	613	CLA	CMB-C2B	-2.51	1.46	1.51
25	B	822	CLA	CMD-C2D	-2.51	1.45	1.50
25	B	837	CLA	C3B-C2B	-2.51	1.36	1.40
25	B	812	CLA	CMC-C2C	-2.51	1.45	1.50
33	4	306	CHL	MG-NA	-2.51	2.00	2.06
25	5	305	CLA	C3B-C2B	-2.51	1.36	1.40
25	S	304	CLA	CMB-C2B	-2.51	1.46	1.51
28	G	203	BCR	C1-C6	-2.51	1.50	1.53
25	T	611	CLA	CMB-C2B	-2.51	1.46	1.51
33	Q	606	CHL	C4B-CHC	2.51	1.48	1.41
25	R	604	CLA	CMB-C2B	-2.51	1.46	1.51
33	P	619	CHL	MG-NA	-2.51	2.00	2.06
33	U	309	CHL	C4D-CHA	2.51	1.47	1.38

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	6	612	CLA	CMD-C2D	-2.50	1.45	1.50
25	8	314	CLA	C3B-C2B	-2.50	1.36	1.40
25	A	815	CLA	C3B-C2B	-2.50	1.36	1.40
25	A	804	CLA	CMD-C2D	-2.50	1.45	1.50
25	B	801	CLA	CMD-C2D	-2.50	1.45	1.50
33	U	308	CHL	C4B-CHC	2.50	1.47	1.41
25	B	823	CLA	CMD-C2D	-2.50	1.45	1.50
25	A	816	CLA	C3B-C2B	-2.50	1.36	1.40
25	L	206	CLA	C3B-C2B	-2.50	1.36	1.40
25	6	605	CLA	C1D-ND	2.50	1.40	1.37
28	B	844	BCR	C30-C25	-2.50	1.50	1.53
33	S	306	CHL	C4B-CHC	2.50	1.47	1.41
25	1	609	CLA	CMD-C2D	-2.50	1.45	1.50
33	4	314	CHL	MG-NA	-2.49	2.00	2.06
25	H	202	CLA	C3B-C2B	-2.49	1.36	1.40
25	B	825	CLA	MG-ND	-2.49	2.00	2.05
33	6	617	CHL	MG-NA	-2.49	2.00	2.06
33	Q	605	CHL	C4B-CHC	2.49	1.47	1.41
25	B	812	CLA	CMD-C2D	-2.49	1.45	1.50
25	5	311	CLA	CMD-C2D	-2.49	1.45	1.50
33	S	309	CHL	C4B-CHC	2.49	1.47	1.41
25	A	823	CLA	C3B-C2B	-2.49	1.36	1.40
25	P	604	CLA	CMB-C2B	-2.49	1.46	1.51
33	Q	607	CHL	C4B-CHC	2.49	1.47	1.41
28	B	844	BCR	C1-C6	-2.49	1.50	1.53
25	1	613	CLA	C3B-C2B	-2.49	1.36	1.40
25	2	312	CLA	C3B-C2B	-2.49	1.36	1.40
25	A	819	CLA	CMD-C2D	-2.49	1.45	1.50
25	7	307	CLA	CMD-C2D	-2.49	1.45	1.50
25	B	827	CLA	CMD-C2D	-2.49	1.45	1.50
25	3	303	CLA	CMC-C2C	-2.49	1.45	1.50
25	R	610	CLA	CMB-C2B	-2.49	1.46	1.51
25	5	313	CLA	CMD-C2D	-2.49	1.45	1.50
25	B	829	CLA	MG-ND	-2.49	2.00	2.05
25	B	831	CLA	CMD-C2D	-2.49	1.45	1.50
25	5	324	CLA	C3B-CAB	-2.49	1.42	1.47
25	Q	618	CLA	CMB-C2B	-2.49	1.46	1.51
25	A	839	CLA	CMD-C2D	-2.49	1.45	1.50
25	4	308	CLA	CMC-C2C	-2.49	1.45	1.50
25	5	316	CLA	CMC-C2C	-2.49	1.45	1.50
25	2	307	CLA	C3B-CAB	-2.49	1.42	1.47
25	A	840	CLA	CMC-C2C	-2.49	1.45	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	U	307	CHL	C4C-C3C	2.49	1.49	1.45
25	T	603	CLA	CMB-C2B	-2.49	1.46	1.51
25	a	313	CLA	CMB-C2B	-2.49	1.46	1.51
25	B	802	CLA	C3B-CAB	-2.48	1.42	1.47
33	R	607	CHL	MG-NA	-2.48	2.00	2.06
25	A	801	CLA	CMD-C2D	-2.48	1.45	1.50
25	A	817	CLA	C3B-CAB	-2.48	1.42	1.47
25	B	802	CLA	CMC-C2C	-2.48	1.45	1.50
33	R	608	CHL	C4C-C3C	2.48	1.49	1.45
28	A	849	BCR	C1-C6	-2.48	1.50	1.53
25	7	309	CLA	CMD-C2D	-2.48	1.45	1.50
25	7	309	CLA	C3B-CAB	-2.48	1.42	1.47
25	A	807	CLA	CMD-C2D	-2.48	1.45	1.50
25	B	818	CLA	CMD-C2D	-2.48	1.45	1.50
33	P	622	CHL	C4B-CHC	2.48	1.47	1.41
33	P	605	CHL	C4C-C3C	2.48	1.49	1.45
25	A	826	CLA	CMD-C2D	-2.48	1.45	1.50
33	T	604	CHL	C4B-CHC	2.48	1.47	1.41
25	B	838	CLA	C3B-C2B	-2.48	1.36	1.40
25	K	201	CLA	C3B-C2B	-2.48	1.36	1.40
25	B	835	CLA	CMD-C2D	-2.48	1.45	1.50
25	5	306	CLA	C3B-C2B	-2.48	1.36	1.40
25	a	308	CLA	CMB-C2B	-2.48	1.46	1.51
25	4	311	CLA	CMB-C2B	-2.48	1.46	1.51
25	a	306	CLA	CMB-C2B	-2.48	1.46	1.51
25	3	307	CLA	C3B-CAB	-2.48	1.42	1.47
25	A	825	CLA	MG-ND	-2.48	2.00	2.05
25	H	205	CLA	CMD-C2D	-2.48	1.45	1.50
25	J	103	CLA	C3B-C2B	-2.48	1.36	1.40
25	A	853	CLA	C3B-C2B	-2.48	1.36	1.40
33	U	306	CHL	C4D-CHA	2.48	1.47	1.38
25	T	610	CLA	CMB-C2B	-2.48	1.46	1.51
33	Q	605	CHL	C1D-ND	-2.48	1.34	1.37
25	9	301	CLA	CMD-C2D	-2.47	1.45	1.50
25	a	303	CLA	C3B-C2B	-2.47	1.36	1.40
33	9	306	CHL	C1C-NC	-2.47	1.34	1.37
25	3	307	CLA	CMD-C2D	-2.47	1.45	1.50
25	2	304	CLA	CMD-C2D	-2.47	1.45	1.50
25	B	814	CLA	C3B-C2B	-2.47	1.36	1.40
33	3	306	CHL	C3D-C2D	2.47	1.45	1.39
25	A	820	CLA	CMD-C2D	-2.47	1.45	1.50
25	B	816	CLA	CMD-C2D	-2.47	1.45	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	S	308	CHL	C4D-CHA	2.47	1.47	1.38
33	S	309	CHL	C4D-CHA	2.47	1.47	1.38
33	U	305	CHL	C4C-C3C	2.47	1.49	1.45
25	P	610	CLA	CMB-C2B	-2.47	1.46	1.51
25	A	812	CLA	C3B-CAB	-2.47	1.42	1.47
25	A	828	CLA	C3B-CAB	-2.47	1.42	1.47
33	4	322	CHL	MG-NA	-2.47	2.00	2.06
25	7	310	CLA	CMD-C2D	-2.47	1.45	1.50
33	P	608	CHL	C4B-CHC	2.47	1.47	1.41
25	S	301	CLA	CMB-C2B	-2.47	1.46	1.51
33	Q	606	CHL	C4D-CHA	2.47	1.47	1.38
33	4	305	CHL	C4D-CHA	2.47	1.47	1.38
33	Q	607	CHL	C4C-C3C	2.47	1.49	1.45
25	B	826	CLA	C3B-CAB	-2.47	1.42	1.47
25	3	303	CLA	CMD-C2D	-2.47	1.45	1.50
25	B	802	CLA	MG-ND	-2.47	2.00	2.05
25	1	610	CLA	CMD-C2D	-2.47	1.45	1.50
25	A	837	CLA	CMD-C2D	-2.46	1.45	1.50
25	3	320	CLA	CMD-C2D	-2.46	1.45	1.50
25	A	803	CLA	C3B-CAB	-2.46	1.42	1.47
25	9	302	CLA	CMB-C2B	-2.46	1.46	1.51
25	A	826	CLA	MG-ND	-2.46	2.00	2.05
25	A	819	CLA	CMC-C2C	-2.46	1.45	1.50
25	B	814	CLA	CMC-C2C	-2.46	1.45	1.50
25	L	201	CLA	CMD-C2D	-2.46	1.45	1.50
25	1	604	CLA	C1D-ND	2.46	1.40	1.37
25	S	311	CLA	CMB-C2B	-2.46	1.46	1.51
25	Q	609	CLA	CMB-C2B	-2.46	1.46	1.51
33	T	605	CHL	C4B-CHC	2.46	1.47	1.41
25	B	802	CLA	CMD-C2D	-2.46	1.45	1.50
28	J	101	BCR	C30-C25	-2.46	1.50	1.53
25	B	803	CLA	C3B-C2B	-2.46	1.37	1.40
25	A	851	CLA	CMC-C2C	-2.46	1.45	1.50
25	8	303	CLA	CMD-C2D	-2.46	1.45	1.50
25	T	609	CLA	CMB-C2B	-2.46	1.46	1.51
28	B	842	BCR	C1-C6	-2.46	1.50	1.53
25	1	605	CLA	CMD-C2D	-2.46	1.45	1.50
25	L	201	CLA	C3B-CAB	-2.46	1.42	1.47
25	A	811	CLA	CMD-C2D	-2.46	1.45	1.50
25	A	835	CLA	CMD-C2D	-2.46	1.45	1.50
25	A	839	CLA	CMC-C2C	-2.46	1.45	1.50
33	P	605	CHL	C4D-CHA	2.46	1.47	1.38

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	803	CLA	C3B-CAB	-2.46	1.42	1.47
25	A	831	CLA	CMD-C2D	-2.46	1.45	1.50
33	R	608	CHL	C4B-CHC	2.46	1.47	1.41
25	B	806	CLA	C3B-CAB	-2.46	1.42	1.47
25	S	312	CLA	CMB-C2B	-2.45	1.46	1.51
25	5	305	CLA	MG-ND	-2.45	2.00	2.05
33	R	605	CHL	MG-NA	-2.45	2.00	2.06
25	A	833	CLA	CMD-C2D	-2.45	1.45	1.50
25	a	310	CLA	CMD-C2D	-2.45	1.45	1.50
25	1	610	CLA	C3B-CAB	-2.45	1.42	1.47
25	B	808	CLA	C3B-C2B	-2.45	1.37	1.40
25	6	610	CLA	C3B-CAB	-2.45	1.42	1.47
25	B	834	CLA	CMD-C2D	-2.45	1.45	1.50
25	L	206	CLA	CMC-C2C	-2.45	1.45	1.50
25	A	815	CLA	CMC-C2C	-2.45	1.45	1.50
33	S	307	CHL	C4D-CHA	2.45	1.47	1.38
25	A	812	CLA	CMD-C2D	-2.45	1.45	1.50
25	U	302	CLA	CMB-C2B	-2.45	1.46	1.51
25	L	205	CLA	MG-ND	-2.45	2.00	2.05
25	L	209	CLA	MG-ND	-2.45	2.00	2.05
25	B	805	CLA	CMC-C2C	-2.44	1.45	1.50
25	B	820	CLA	CMD-C2D	-2.44	1.45	1.50
25	3	304	CLA	CMD-C2D	-2.44	1.45	1.50
33	P	608	CHL	C4C-C3C	2.44	1.49	1.45
25	a	308	CLA	CMD-C2D	-2.44	1.45	1.50
33	U	307	CHL	MG-NA	-2.44	2.00	2.06
33	T	605	CHL	C4D-CHA	2.44	1.47	1.38
25	T	602	CLA	CMB-C2B	-2.44	1.46	1.51
25	A	842	CLA	CMD-C2D	-2.44	1.45	1.50
25	S	314	CLA	CMB-C2B	-2.44	1.46	1.51
25	A	818	CLA	CMC-C2C	-2.44	1.45	1.50
33	R	601	CHL	C1B-CHB	2.44	1.47	1.41
33	T	601	CHL	C1B-CHB	2.44	1.47	1.41
33	P	605	CHL	C4B-CHC	2.44	1.47	1.41
25	B	807	CLA	CMD-C2D	-2.44	1.45	1.50
33	4	304	CHL	C4D-CHA	2.44	1.47	1.38
33	P	601	CHL	C1B-CHB	2.43	1.47	1.41
33	9	306	CHL	C4B-CHC	2.43	1.47	1.41
25	A	825	CLA	CMC-C2C	-2.43	1.45	1.50
25	A	840	CLA	CMD-C2D	-2.43	1.45	1.50
25	U	310	CLA	CMB-C2B	-2.43	1.46	1.51
25	A	820	CLA	CMC-C2C	-2.43	1.45	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	Q	601	CHL	C1B-CHB	2.43	1.47	1.41
34	9	313	LUT	C1-C6	-2.43	1.50	1.53
33	5	317	CHL	C4B-CHC	2.43	1.47	1.41
25	B	808	CLA	MG-ND	-2.43	2.01	2.05
25	a	303	CLA	MG-ND	-2.43	2.01	2.05
25	A	802	CLA	CMD-C2D	-2.43	1.45	1.50
25	L	205	CLA	CMD-C2D	-2.43	1.45	1.50
25	6	609	CLA	CMD-C2D	-2.43	1.45	1.50
25	A	810	CLA	CMD-C2D	-2.43	1.45	1.50
25	H	202	CLA	CMD-C2D	-2.43	1.45	1.50
25	a	304	CLA	CMB-C2B	-2.43	1.46	1.51
33	Q	605	CHL	C4C-C3C	2.43	1.49	1.45
28	7	316	BCR	C1-C6	-2.43	1.50	1.53
25	9	303	CLA	CMC-C2C	-2.43	1.45	1.50
25	B	807	CLA	C3B-CAB	-2.43	1.43	1.47
33	T	605	CHL	MG-NA	-2.43	2.00	2.06
25	7	311	CLA	CMD-C2D	-2.43	1.45	1.50
25	3	305	CLA	C3B-CAB	-2.43	1.43	1.47
25	5	316	CLA	C3B-CAB	-2.43	1.43	1.47
33	5	317	CHL	C1C-NC	-2.43	1.34	1.37
25	5	303	CLA	CMD-C2D	-2.43	1.45	1.50
25	B	813	CLA	C3B-CAB	-2.43	1.43	1.47
25	B	833	CLA	CMD-C2D	-2.43	1.45	1.50
25	8	303	CLA	MG-ND	-2.43	2.01	2.05
25	2	309	CLA	CMD-C2D	-2.43	1.45	1.50
28	L	208	BCR	C1-C6	-2.43	1.50	1.53
33	4	305	CHL	C1C-NC	-2.43	1.34	1.37
33	T	606	CHL	C4C-C3C	2.43	1.49	1.45
33	S	309	CHL	MG-NA	-2.43	2.00	2.06
28	A	849	BCR	C30-C25	-2.43	1.50	1.53
25	B	805	CLA	CMD-C2D	-2.42	1.45	1.50
25	S	313	CLA	CMB-C2B	-2.42	1.46	1.51
25	5	302	CLA	CMD-C2D	-2.42	1.45	1.50
25	7	301	CLA	CMC-C2C	-2.42	1.45	1.50
33	R	605	CHL	C4C-C3C	2.42	1.49	1.45
25	A	838	CLA	C3B-CAB	-2.42	1.43	1.47
25	6	611	CLA	CMD-C2D	-2.42	1.45	1.50
25	B	822	CLA	C3B-CAB	-2.42	1.43	1.47
25	A	801	CLA	CMC-C2C	-2.42	1.45	1.50
25	R	603	CLA	CMB-C2B	-2.42	1.46	1.51
33	8	307	CHL	C4D-CHA	2.42	1.47	1.38
33	T	604	CHL	C4C-C3C	2.42	1.49	1.45

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	305	CHL	C1C-NC	-2.42	1.34	1.37
28	F	803	BCR	C30-C25	-2.42	1.50	1.53
25	S	303	CLA	CMD-C2D	-2.42	1.45	1.50
25	B	849	CLA	C3B-C2B	-2.42	1.37	1.40
25	A	822	CLA	CMC-C2C	-2.42	1.45	1.50
25	9	305	CLA	C3B-CAB	-2.42	1.43	1.47
33	U	308	CHL	C4D-CHA	2.42	1.47	1.38
25	B	806	CLA	CMD-C2D	-2.42	1.45	1.50
25	3	308	CLA	C3B-C2B	-2.42	1.37	1.40
25	8	314	CLA	CMD-C2D	-2.42	1.45	1.50
25	B	805	CLA	C3B-C2B	-2.42	1.37	1.40
25	A	823	CLA	MG-ND	-2.42	2.01	2.05
33	T	607	CHL	C1B-CHB	2.42	1.47	1.41
25	B	803	CLA	CMD-C2D	-2.42	1.45	1.50
25	B	804	CLA	CMC-C2C	-2.42	1.45	1.50
25	A	851	CLA	MG-ND	-2.42	2.01	2.05
25	6	616	CLA	C3B-C2B	-2.42	1.37	1.40
25	B	811	CLA	CMD-C2D	-2.42	1.45	1.50
25	8	302	CLA	CMD-C2D	-2.42	1.45	1.50
25	5	306	CLA	C3B-CAB	-2.41	1.43	1.47
25	T	612	CLA	CMB-C2B	-2.41	1.46	1.51
33	U	308	CHL	C4C-C3C	2.41	1.49	1.45
25	3	301	CLA	C3B-CAB	-2.41	1.43	1.47
25	7	303	CLA	CMD-C2D	-2.41	1.45	1.50
25	B	825	CLA	C3B-CAB	-2.41	1.43	1.47
25	2	303	CLA	CMD-C2D	-2.41	1.45	1.50
34	8	317	LUT	C1-C6	-2.41	1.50	1.53
33	4	306	CHL	C4D-CHA	2.41	1.47	1.38
25	U	311	CLA	CMB-C2B	-2.41	1.46	1.51
28	A	854	BCR	C1-C6	-2.41	1.50	1.53
25	A	828	CLA	CMD-C2D	-2.41	1.45	1.50
25	S	320	CLA	CMB-C2B	-2.41	1.46	1.51
33	Q	608	CHL	CHC-C1C	2.41	1.41	1.35
25	B	837	CLA	CMD-C2D	-2.41	1.45	1.50
25	3	320	CLA	C3B-CAB	-2.41	1.43	1.47
33	6	617	CHL	C4D-CHA	2.41	1.47	1.38
33	a	305	CHL	C4D-CHA	2.41	1.47	1.38
25	4	312	CLA	CMD-C2D	-2.41	1.45	1.50
25	P	603	CLA	CMB-C2B	-2.41	1.46	1.51
25	4	311	CLA	C3B-C2B	-2.41	1.37	1.40
25	B	824	CLA	C3B-CAB	-2.41	1.43	1.47
25	A	820	CLA	MG-ND	-2.41	2.01	2.05

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	823	CLA	CMD-C2D	-2.41	1.45	1.50
25	A	829	CLA	CMC-C2C	-2.40	1.45	1.50
25	H	203	CLA	C3B-C2B	-2.40	1.37	1.40
25	1	611	CLA	C3B-C2B	-2.40	1.37	1.40
25	8	304	CLA	C3B-C2B	-2.40	1.37	1.40
25	A	807	CLA	CMC-C2C	-2.40	1.45	1.50
25	A	828	CLA	CMC-C2C	-2.40	1.45	1.50
25	B	828	CLA	CMD-C2D	-2.40	1.45	1.50
25	Q	610	CLA	C3B-C2B	-2.40	1.37	1.40
25	4	310	CLA	C3B-C2B	-2.40	1.37	1.40
25	B	807	CLA	CMC-C2C	-2.40	1.45	1.50
33	U	307	CHL	C4D-CHA	2.40	1.46	1.38
28	L	207	BCR	C30-C25	-2.40	1.50	1.53
25	A	809	CLA	CMD-C2D	-2.40	1.45	1.50
33	S	310	CHL	C2C-C1C	2.40	1.49	1.44
25	B	830	CLA	CMD-C2D	-2.40	1.45	1.50
25	Q	613	CLA	CMB-C2B	-2.40	1.46	1.51
25	S	305	CLA	CMB-C2B	-2.40	1.46	1.51
25	B	827	CLA	MG-ND	-2.40	2.01	2.05
33	P	605	CHL	CAA-C2A	-2.40	1.49	1.54
28	A	846	BCR	C30-C25	-2.40	1.50	1.53
25	P	602	CLA	CMB-C2B	-2.40	1.46	1.51
25	A	830	CLA	CMD-C2D	-2.40	1.45	1.50
25	9	303	CLA	C3B-C2B	-2.40	1.37	1.40
25	A	822	CLA	C3B-CAB	-2.40	1.43	1.47
25	A	809	CLA	C3B-C2B	-2.40	1.37	1.40
25	5	302	CLA	C3B-C2B	-2.40	1.37	1.40
25	3	320	CLA	MG-ND	-2.40	2.01	2.05
25	B	835	CLA	C3B-CAB	-2.40	1.43	1.47
25	B	809	CLA	C3B-C2B	-2.40	1.37	1.40
33	P	609	CHL	CHC-C1C	2.40	1.41	1.35
25	5	303	CLA	CMC-C2C	-2.39	1.45	1.50
33	5	308	CHL	C4B-CHC	2.39	1.47	1.41
25	B	823	CLA	CMC-C2C	-2.39	1.45	1.50
34	4	315	LUT	C1-C6	-2.39	1.50	1.53
33	T	606	CHL	C4D-CHA	2.39	1.46	1.38
25	A	829	CLA	CMD-C2D	-2.39	1.45	1.50
33	6	606	CHL	MG-NA	-2.39	2.00	2.06
33	S	310	CHL	C4C-C3C	2.39	1.49	1.45
25	A	802	CLA	CMC-C2C	-2.39	1.45	1.50
25	3	301	CLA	CMC-C2C	-2.39	1.45	1.50
33	P	606	CHL	C4D-CHA	2.39	1.46	1.38

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	8	316	LUT	C1-C6	-2.39	1.50	1.53
33	6	617	CHL	C4B-CHC	2.39	1.47	1.41
25	K	201	CLA	CMD-C2D	-2.39	1.45	1.50
25	3	304	CLA	CMC-C2C	-2.39	1.45	1.50
25	A	808	CLA	CMD-C2D	-2.39	1.45	1.50
25	8	311	CLA	CMD-C2D	-2.39	1.45	1.50
25	S	301	CLA	C3B-C2B	-2.39	1.37	1.40
25	L	202	CLA	C3B-CAB	-2.39	1.43	1.47
25	U	312	CLA	CMB-C2B	-2.39	1.46	1.51
25	R	614	CLA	CMB-C2B	-2.39	1.46	1.51
25	A	822	CLA	MG-ND	-2.39	2.01	2.05
25	L	206	CLA	MG-ND	-2.39	2.01	2.05
33	9	307	CHL	C4D-CHA	2.39	1.46	1.38
33	T	604	CHL	MG-NA	-2.38	2.00	2.06
25	A	853	CLA	C3B-CAB	-2.38	1.43	1.47
25	A	822	CLA	CMD-C2D	-2.38	1.45	1.50
33	9	306	CHL	MG-NA	-2.38	2.00	2.06
25	3	313	CLA	CMD-C2D	-2.38	1.45	1.50
33	6	607	CHL	C4D-CHA	2.38	1.46	1.38
25	6	603	CLA	CMC-C2C	-2.38	1.45	1.50
25	R	612	CLA	C2-C3	2.38	1.38	1.33
25	B	825	CLA	CMD-C2D	-2.38	1.45	1.50
25	Q	602	CLA	CMB-C2B	-2.38	1.46	1.51
25	A	826	CLA	CMC-C2C	-2.38	1.45	1.50
25	B	809	CLA	CMD-C2D	-2.38	1.45	1.50
25	B	826	CLA	MG-ND	-2.38	2.01	2.05
25	B	817	CLA	CMC-C2C	-2.38	1.45	1.50
33	7	305	CHL	C4B-CHC	2.38	1.47	1.41
33	R	609	CHL	CHC-C1C	2.38	1.41	1.35
25	B	824	CLA	CMC-C2C	-2.38	1.45	1.50
33	U	309	CHL	C1B-CHB	2.38	1.47	1.41
25	P	612	CLA	O2A-CGA	2.38	1.40	1.33
25	1	603	CLA	CMD-C2D	-2.38	1.45	1.50
25	7	308	CLA	CMD-C2D	-2.38	1.45	1.50
25	A	834	CLA	C3B-C2B	-2.38	1.37	1.40
33	P	622	CHL	C4C-C3C	2.38	1.49	1.45
25	B	838	CLA	C3B-CAB	-2.38	1.43	1.47
33	U	309	CHL	C2C-C1C	2.38	1.49	1.44
25	9	303	CLA	CMD-C2D	-2.38	1.45	1.50
25	9	304	CLA	C3B-CAB	-2.38	1.43	1.47
25	B	811	CLA	CMC-C2C	-2.38	1.45	1.50
25	B	836	CLA	CMD-C2D	-2.38	1.45	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	6	614	CLA	CMD-C2D	-2.38	1.45	1.50
30	B	848	DGD	O3G-C1D	2.37	1.44	1.40
25	Q	612	CLA	CMB-C2B	-2.37	1.46	1.51
25	A	817	CLA	CMD-C2D	-2.37	1.45	1.50
25	4	301	CLA	CMD-C2D	-2.37	1.45	1.50
25	A	824	CLA	C3B-C2B	-2.37	1.37	1.40
25	1	604	CLA	C3B-CAB	-2.37	1.43	1.47
25	3	303	CLA	MG-ND	-2.37	2.01	2.05
25	A	809	CLA	CMC-C2C	-2.37	1.45	1.50
25	1	612	CLA	CMC-C2C	-2.37	1.45	1.50
25	A	827	CLA	CMC-C2C	-2.37	1.45	1.50
25	A	833	CLA	C3B-CAB	-2.37	1.43	1.47
33	1	606	CHL	C4D-CHA	2.37	1.46	1.38
33	S	307	CHL	C4C-C3C	2.37	1.49	1.45
33	6	606	CHL	C4D-CHA	2.37	1.46	1.38
25	5	309	CLA	CMD-C2D	-2.37	1.45	1.50
25	B	814	CLA	CMD-C2D	-2.37	1.45	1.50
25	5	303	CLA	C3B-CAB	-2.37	1.43	1.47
25	L	206	CLA	CMD-C2D	-2.37	1.45	1.50
25	1	609	CLA	CMC-C2C	-2.37	1.45	1.50
25	8	303	CLA	C3B-CAB	-2.37	1.43	1.47
25	Q	618	CLA	C2A-C1A	2.37	1.54	1.51
33	4	314	CHL	C4D-CHA	2.37	1.46	1.38
25	8	302	CLA	C3B-CAB	-2.37	1.43	1.47
33	R	606	CHL	C4C-C3C	2.37	1.49	1.45
25	1	608	CLA	CMD-C2D	-2.36	1.45	1.50
25	5	303	CLA	MG-ND	-2.36	2.01	2.05
25	6	610	CLA	CMC-C2C	-2.36	1.45	1.50
25	A	809	CLA	MG-ND	-2.36	2.01	2.05
25	8	312	CLA	CMD-C2D	-2.36	1.45	1.50
25	3	304	CLA	C3B-CAB	-2.36	1.43	1.47
25	U	304	CLA	CMB-C2B	-2.36	1.46	1.51
25	A	816	CLA	CMD-C2D	-2.36	1.45	1.50
25	A	833	CLA	CMC-C2C	-2.36	1.45	1.50
25	3	308	CLA	CMD-C2D	-2.36	1.45	1.50
25	7	302	CLA	C3B-C2B	-2.36	1.37	1.40
25	1	607	CLA	CMD-C2D	-2.36	1.45	1.50
25	K	203	CLA	C3B-C2B	-2.36	1.37	1.40
33	R	608	CHL	C4D-CHA	2.36	1.46	1.38
25	H	201	CLA	CMC-C2C	-2.36	1.45	1.50
33	Q	605	CHL	MG-NA	-2.36	2.00	2.06
33	5	308	CHL	MG-NA	-2.36	2.00	2.06

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	Q	604	CLA	CMB-C2B	-2.35	1.46	1.51
25	J	103	CLA	CMD-C2D	-2.35	1.45	1.50
25	8	313	CLA	CMD-C2D	-2.35	1.45	1.50
25	6	611	CLA	C3B-C2B	-2.35	1.37	1.40
33	Q	606	CHL	C2C-C1C	2.35	1.49	1.44
25	P	612	CLA	C2-C3	2.35	1.38	1.33
33	U	309	CHL	C4C-C3C	2.35	1.49	1.45
25	A	817	CLA	CMC-C2C	-2.35	1.45	1.50
25	B	826	CLA	CMC-C2C	-2.35	1.45	1.50
34	3	316	LUT	C22-C21	-2.35	1.51	1.54
33	6	617	CHL	C4C-C3C	2.35	1.49	1.45
25	5	312	CLA	CMD-C2D	-2.35	1.45	1.50
25	2	305	CLA	C3B-C2B	-2.35	1.37	1.40
25	R	612	CLA	O2A-CGA	2.35	1.40	1.33
33	4	304	CHL	C4B-CHC	2.35	1.47	1.41
25	A	830	CLA	CMC-C2C	-2.35	1.45	1.50
25	2	311	CLA	C3B-C2B	-2.35	1.37	1.40
33	Q	607	CHL	C4D-CHA	2.35	1.46	1.38
25	U	303	CLA	CMB-C2B	-2.35	1.46	1.51
25	7	306	CLA	CMD-C2D	-2.35	1.45	1.50
25	8	312	CLA	C3B-C2B	-2.35	1.37	1.40
25	B	822	CLA	MG-ND	-2.35	2.01	2.05
25	K	201	CLA	CMC-C2C	-2.35	1.45	1.50
25	3	310	CLA	CMD-C2D	-2.35	1.45	1.50
25	K	202	CLA	CMD-C2D	-2.35	1.45	1.50
25	2	308	CLA	CMD-C2D	-2.35	1.45	1.50
25	6	613	CLA	CMD-C2D	-2.35	1.45	1.50
25	7	313	CLA	CMD-C2D	-2.35	1.45	1.50
34	2	316	LUT	C1-C6	-2.35	1.50	1.53
25	B	805	CLA	MG-ND	-2.35	2.01	2.05
25	A	815	CLA	CMD-C2D	-2.34	1.45	1.50
25	3	314	CLA	C3B-CAB	-2.34	1.43	1.47
25	B	815	CLA	CMC-C2C	-2.34	1.45	1.50
33	5	307	CHL	C4B-CHC	2.34	1.47	1.41
25	7	301	CLA	MG-ND	-2.34	2.01	2.05
33	P	606	CHL	C2C-C1C	2.34	1.49	1.44
25	B	833	CLA	C3B-CAB	-2.34	1.43	1.47
33	P	608	CHL	C4D-CHA	2.34	1.46	1.38
25	1	614	CLA	CMD-C2D	-2.34	1.45	1.50
33	4	322	CHL	C4B-CHC	2.34	1.47	1.41
33	6	606	CHL	C1C-NC	-2.34	1.34	1.37
25	7	303	CLA	CMC-C2C	-2.34	1.45	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	8	305	CLA	CMD-C2D	-2.34	1.45	1.50
25	3	301	CLA	CMD-C2D	-2.34	1.45	1.50
25	7	302	CLA	MG-ND	-2.34	2.01	2.05
25	B	816	CLA	C3B-CAB	-2.34	1.43	1.47
25	G	202	CLA	C3B-C2B	-2.34	1.37	1.40
28	I	201	BCR	C1-C6	-2.34	1.50	1.53
25	B	824	CLA	MG-ND	-2.34	2.01	2.05
25	B	813	CLA	CMD-C2D	-2.34	1.45	1.50
25	7	312	CLA	CMD-C2D	-2.34	1.45	1.50
25	5	309	CLA	CMC-C2C	-2.34	1.45	1.50
33	P	606	CHL	C4C-C3C	2.34	1.49	1.45
25	B	832	CLA	CMD-C2D	-2.34	1.45	1.50
25	A	853	CLA	CMD-C2D	-2.34	1.45	1.50
25	7	302	CLA	CMC-C2C	-2.34	1.45	1.50
25	B	838	CLA	CMC-C2C	-2.33	1.45	1.50
33	R	607	CHL	C4D-CHA	2.33	1.46	1.38
33	P	606	CHL	MG-NA	-2.33	2.00	2.06
25	O	203	CLA	CMC-C2C	-2.33	1.45	1.50
25	U	313	CLA	CMB-C2B	-2.33	1.46	1.51
25	A	840	CLA	C3B-CAB	-2.33	1.43	1.47
33	U	305	CHL	MG-NA	-2.33	2.00	2.06
33	U	306	CHL	C4C-C3C	2.33	1.49	1.45
25	8	305	CLA	C3B-CAB	-2.33	1.43	1.47
25	A	821	CLA	CMC-C2C	-2.33	1.45	1.50
33	9	307	CHL	C1C-NC	-2.33	1.34	1.37
25	8	308	CLA	CMD-C2D	-2.33	1.45	1.50
25	A	807	CLA	MG-ND	-2.33	2.01	2.05
25	3	308	CLA	CMC-C2C	-2.33	1.45	1.50
25	H	203	CLA	C3B-CAB	-2.33	1.43	1.47
33	P	607	CHL	C4C-C3C	2.33	1.49	1.45
25	8	304	CLA	CMD-C2D	-2.33	1.45	1.50
25	4	301	CLA	C3B-CAB	-2.33	1.43	1.47
33	P	607	CHL	C4D-CHA	2.32	1.46	1.38
25	6	605	CLA	MG-ND	-2.32	2.01	2.05
25	A	838	CLA	CMD-C2D	-2.32	1.45	1.50
33	S	310	CHL	C4D-CHA	2.32	1.46	1.38
25	B	834	CLA	C3B-CAB	-2.32	1.43	1.47
25	5	316	CLA	CMD-C2D	-2.32	1.45	1.50
25	7	309	CLA	CMC-C2C	-2.32	1.45	1.50
25	Q	603	CLA	CMB-C2B	-2.32	1.46	1.51
33	6	606	CHL	C4B-CHC	2.32	1.47	1.41
25	B	829	CLA	CMD-C2D	-2.32	1.45	1.50

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	4	314	CHL	C4B-CHC	2.32	1.47	1.41
25	9	304	CLA	CMD-C2D	-2.32	1.45	1.50
33	P	619	CHL	C4C-C3C	2.32	1.49	1.45
33	P	619	CHL	C4D-CHA	2.32	1.46	1.38
25	A	834	CLA	CMD-C2D	-2.32	1.45	1.50
33	Q	605	CHL	C2C-C1C	2.32	1.49	1.44
25	L	201	CLA	MG-ND	-2.32	2.01	2.05
25	3	314	CLA	MG-ND	-2.32	2.01	2.05
25	A	819	CLA	MG-ND	-2.32	2.01	2.05
25	8	310	CLA	C3B-C2B	-2.32	1.37	1.40
25	B	812	CLA	MG-ND	-2.32	2.01	2.05
25	A	827	CLA	C3B-CAB	-2.32	1.43	1.47
25	1	611	CLA	CMC-C2C	-2.32	1.45	1.50
33	T	605	CHL	C4C-C3C	2.32	1.49	1.45
25	B	835	CLA	CMC-C2C	-2.32	1.45	1.50
25	B	809	CLA	C3B-CAB	-2.31	1.43	1.47
33	S	309	CHL	C4C-C3C	2.31	1.49	1.45
25	5	315	CLA	C3B-C2B	-2.31	1.37	1.40
25	8	308	CLA	C3B-C2B	-2.31	1.37	1.40
25	8	309	CLA	CMD-C2D	-2.31	1.45	1.50
25	B	837	CLA	CMC-C2C	-2.31	1.45	1.50
25	B	830	CLA	CMC-C2C	-2.31	1.45	1.50
25	P	612	CLA	MG-NC	2.31	2.11	2.06
25	L	202	CLA	CMD-C2D	-2.31	1.45	1.50
25	8	306	CLA	CMD-C2D	-2.31	1.45	1.50
33	S	309	CHL	C2C-C1C	2.31	1.49	1.44
33	R	606	CHL	C4D-CHA	2.31	1.46	1.38
25	A	804	CLA	CMC-C2C	-2.31	1.45	1.50
25	8	313	CLA	C3B-CAB	-2.31	1.43	1.47
25	7	307	CLA	C3B-C2B	-2.31	1.37	1.40
25	9	308	CLA	C3B-C2B	-2.31	1.37	1.40
25	A	824	CLA	CMC-C2C	-2.31	1.45	1.50
33	7	305	CHL	C1C-NC	-2.31	1.34	1.37
25	7	302	CLA	CMD-C2D	-2.31	1.45	1.50
33	S	308	CHL	MG-NA	-2.31	2.00	2.06
33	S	306	CHL	C2C-C1C	2.31	1.49	1.44
33	S	321	CHL	C4C-C3C	2.31	1.49	1.45
25	3	305	CLA	C3B-C2B	-2.31	1.37	1.40
25	4	308	CLA	C3B-C2B	-2.31	1.37	1.40
25	B	821	CLA	CMD-C2D	-2.31	1.45	1.50
25	B	813	CLA	CMC-C2C	-2.31	1.45	1.50
25	4	310	CLA	CMD-C2D	-2.31	1.45	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	R	607	CHL	C4C-C3C	2.31	1.49	1.45
25	B	849	CLA	CMD-C2D	-2.31	1.45	1.50
25	A	830	CLA	C3B-CAB	-2.31	1.43	1.47
25	6	604	CLA	C3B-C2B	-2.31	1.37	1.40
25	a	307	CLA	CMD-C2D	-2.31	1.45	1.50
25	A	829	CLA	MG-ND	-2.31	2.01	2.05
25	L	206	CLA	C3B-CAB	-2.31	1.43	1.47
28	B	845	BCR	C30-C25	-2.30	1.50	1.53
25	2	314	CLA	CMC-C2C	-2.30	1.45	1.50
25	8	315	CLA	CMD-C2D	-2.30	1.45	1.50
33	5	308	CHL	C4D-CHA	2.30	1.46	1.38
25	a	301	CLA	C3B-CAB	-2.30	1.43	1.47
25	B	825	CLA	CMC-C2C	-2.30	1.45	1.50
25	4	309	CLA	CMD-C2D	-2.30	1.45	1.50
25	B	819	CLA	C3B-C2B	-2.30	1.37	1.40
25	B	817	CLA	CMD-C2D	-2.30	1.45	1.50
25	B	818	CLA	CMC-C2C	-2.30	1.45	1.50
25	B	833	CLA	CMC-C2C	-2.30	1.45	1.50
25	6	609	CLA	C3B-C2B	-2.30	1.37	1.40
25	B	814	CLA	MG-ND	-2.30	2.01	2.05
25	B	808	CLA	C3B-CAB	-2.30	1.43	1.47
25	5	304	CLA	CMD-C2D	-2.30	1.45	1.50
25	A	833	CLA	MG-ND	-2.30	2.01	2.05
25	B	834	CLA	CMC-C2C	-2.30	1.45	1.50
25	3	308	CLA	MG-ND	-2.30	2.01	2.05
25	4	301	CLA	CMC-C2C	-2.30	1.45	1.50
25	A	813	CLA	MG-ND	-2.30	2.01	2.05
33	6	607	CHL	C4B-CHC	2.30	1.47	1.41
25	5	315	CLA	CMD-C2D	-2.30	1.45	1.50
33	R	606	CHL	MG-NA	-2.30	2.00	2.06
25	5	305	CLA	CMC-C2C	-2.30	1.45	1.50
28	3	318	BCR	C30-C25	-2.30	1.50	1.53
33	U	306	CHL	MG-NA	-2.30	2.00	2.06
25	J	105	CLA	CMD-C2D	-2.30	1.45	1.50
28	B	851	BCR	C1-C6	-2.30	1.50	1.53
25	A	851	CLA	CMD-C2D	-2.30	1.45	1.50
25	A	806	CLA	MG-ND	-2.30	2.01	2.05
25	3	314	CLA	CMD-C2D	-2.30	1.45	1.50
25	7	306	CLA	C3B-CAB	-2.30	1.43	1.47
25	A	832	CLA	CMC-C2C	-2.30	1.45	1.50
25	9	305	CLA	CMD-C2D	-2.30	1.45	1.50
25	8	309	CLA	C3B-CAB	-2.29	1.43	1.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	8	310	CLA	MG-ND	-2.29	2.01	2.05
33	T	607	CHL	C2C-C1C	2.29	1.49	1.44
25	A	816	CLA	CMC-C2C	-2.29	1.45	1.50
33	S	302	CHL	MG-NA	-2.29	2.00	2.06
25	9	311	CLA	CMC-C2C	-2.29	1.45	1.50
33	S	308	CHL	C2C-C1C	2.29	1.49	1.44
25	6	603	CLA	C3B-CAB	-2.29	1.43	1.47
25	J	103	CLA	CMC-C2C	-2.29	1.45	1.50
25	6	612	CLA	C3B-C2B	-2.29	1.37	1.40
25	A	812	CLA	CMC-C2C	-2.29	1.45	1.50
25	7	303	CLA	MG-ND	-2.29	2.01	2.05
33	R	605	CHL	C2C-C1C	2.29	1.49	1.44
25	B	803	CLA	CMC-C2C	-2.29	1.45	1.50
25	2	310	CLA	CMD-C2D	-2.29	1.45	1.50
25	2	312	CLA	CMC-C2C	-2.29	1.45	1.50
25	A	803	CLA	CMC-C2C	-2.29	1.45	1.50
25	L	202	CLA	MG-ND	-2.29	2.01	2.05
25	1	602	CLA	CMD-C2D	-2.29	1.46	1.50
25	6	604	CLA	CMD-C2D	-2.29	1.46	1.50
25	2	303	CLA	C3B-CAB	-2.29	1.43	1.47
25	7	304	CLA	CMD-C2D	-2.29	1.46	1.50
33	T	605	CHL	C2C-C1C	2.29	1.49	1.44
33	a	305	CHL	C1B-CHB	2.29	1.47	1.41
33	1	601	CHL	C4D-CHA	2.29	1.46	1.38
25	7	301	CLA	C3B-CAB	-2.29	1.43	1.47
34	5	322	LUT	C22-C21	-2.28	1.51	1.54
25	7	306	CLA	CMC-C2C	-2.28	1.46	1.50
25	3	301	CLA	MG-ND	-2.28	2.01	2.05
25	3	307	CLA	MG-ND	-2.28	2.01	2.05
25	R	612	CLA	MG-NC	2.28	2.11	2.06
25	6	605	CLA	C3B-C2B	-2.28	1.37	1.40
25	F	802	CLA	CMC-C2C	-2.28	1.46	1.50
25	A	813	CLA	CMC-C2C	-2.28	1.46	1.50
33	4	322	CHL	C4D-CHA	2.28	1.46	1.38
25	2	311	CLA	CMC-C2C	-2.28	1.46	1.50
25	B	829	CLA	C3B-CAB	-2.28	1.43	1.47
25	B	837	CLA	C3B-CAB	-2.28	1.43	1.47
25	6	615	CLA	C3B-C2B	-2.28	1.37	1.40
25	8	308	CLA	CMC-C2C	-2.28	1.46	1.50
33	1	601	CHL	C4B-CHC	2.28	1.47	1.41
25	4	312	CLA	C3B-C2B	-2.28	1.37	1.40
25	9	301	CLA	CMC-C2C	-2.28	1.46	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	a	301	CLA	CMD-C2D	-2.28	1.46	1.50
25	A	827	CLA	MG-ND	-2.28	2.01	2.05
25	B	819	CLA	CMD-C2D	-2.28	1.46	1.50
25	a	303	CLA	O2A-C1	2.28	1.52	1.46
25	B	810	CLA	CMC-C2C	-2.28	1.46	1.50
25	A	823	CLA	CMC-C2C	-2.28	1.46	1.50
25	3	313	CLA	C3B-C2B	-2.28	1.37	1.40
25	5	314	CLA	CMD-C2D	-2.28	1.46	1.50
25	2	303	CLA	CMC-C2C	-2.28	1.46	1.50
25	5	309	CLA	MG-ND	-2.28	2.01	2.05
25	A	804	CLA	MG-ND	-2.28	2.01	2.05
25	A	821	CLA	MG-ND	-2.28	2.01	2.05
33	7	305	CHL	C4D-CHA	2.27	1.46	1.38
25	A	805	CLA	MG-ND	-2.27	2.01	2.05
33	S	302	CHL	C2C-C1C	2.27	1.49	1.44
25	6	620	CLA	MG-ND	-2.27	2.01	2.05
25	7	312	CLA	CMC-C2C	-2.27	1.46	1.50
34	1	615	LUT	C22-C21	-2.27	1.51	1.54
33	R	607	CHL	C1B-CHB	2.27	1.47	1.41
25	3	314	CLA	CMC-C2C	-2.27	1.46	1.50
25	8	312	CLA	CMC-C2C	-2.27	1.46	1.50
33	S	321	CHL	C4D-CHA	2.27	1.46	1.38
25	H	201	CLA	CMD-C2D	-2.27	1.46	1.50
25	L	201	CLA	CMC-C2C	-2.27	1.46	1.50
25	2	302	CLA	C3B-CAB	-2.27	1.43	1.47
25	K	203	CLA	CMD-C2D	-2.27	1.46	1.50
25	B	836	CLA	C3B-CAB	-2.27	1.43	1.47
25	8	310	CLA	CMD-C2D	-2.27	1.46	1.50
25	R	613	CLA	CMB-C2B	-2.27	1.46	1.51
25	A	839	CLA	MG-ND	-2.27	2.01	2.05
25	5	319	CLA	C3B-CAB	-2.27	1.43	1.47
25	7	304	CLA	CMC-C2C	-2.27	1.46	1.50
25	7	309	CLA	MG-ND	-2.27	2.01	2.05
25	J	105	CLA	C3B-C2B	-2.27	1.37	1.40
25	5	311	CLA	MG-ND	-2.27	2.01	2.05
25	4	303	CLA	C3B-CAB	-2.27	1.43	1.47
25	H	205	CLA	CMC-C2C	-2.27	1.46	1.50
25	2	312	CLA	CMD-C2D	-2.27	1.46	1.50
25	7	308	CLA	CMC-C2C	-2.27	1.46	1.50
25	6	620	CLA	CMD-C2D	-2.27	1.46	1.50
25	A	804	CLA	C3B-C2B	-2.27	1.37	1.40
25	1	609	CLA	C3B-C2B	-2.26	1.37	1.40

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	310	CLA	C3B-C2B	-2.26	1.37	1.40
33	5	317	CHL	C4D-CHA	2.26	1.46	1.38
25	A	820	CLA	C3B-CAB	-2.26	1.43	1.47
25	B	815	CLA	CMD-C2D	-2.26	1.46	1.50
25	5	305	CLA	CMD-C2D	-2.26	1.46	1.50
25	7	307	CLA	MG-ND	-2.26	2.01	2.05
25	B	838	CLA	CMD-C2D	-2.26	1.46	1.50
25	A	810	CLA	CMC-C2C	-2.26	1.46	1.50
33	R	608	CHL	C2C-C1C	2.26	1.49	1.44
25	B	805	CLA	C3B-CAB	-2.26	1.43	1.47
25	2	312	CLA	C3B-CAB	-2.26	1.43	1.47
33	U	308	CHL	C2C-C1C	2.26	1.49	1.44
25	5	319	CLA	CMD-C2D	-2.26	1.46	1.50
25	A	851	CLA	C3B-CAB	-2.26	1.43	1.47
25	3	309	CLA	CMD-C2D	-2.26	1.46	1.50
25	7	307	CLA	CMC-C2C	-2.26	1.46	1.50
25	8	310	CLA	C3B-CAB	-2.26	1.43	1.47
25	B	832	CLA	CMC-C2C	-2.26	1.46	1.50
25	7	304	CLA	MG-ND	-2.26	2.01	2.05
33	Q	608	CHL	MG-NC	2.26	2.11	2.06
33	4	314	CHL	C4C-C3C	2.26	1.48	1.45
25	A	836	CLA	C3B-CAB	-2.26	1.43	1.47
25	A	853	CLA	CMC-C2C	-2.26	1.46	1.50
25	3	302	CLA	CMC-C2C	-2.26	1.46	1.50
25	4	307	CLA	CMD-C2D	-2.26	1.46	1.50
25	5	315	CLA	CMC-C2C	-2.26	1.46	1.50
25	6	620	CLA	C3B-CAB	-2.25	1.43	1.47
33	8	307	CHL	C3D-C4D	-2.25	1.39	1.44
25	L	205	CLA	CMC-C2C	-2.25	1.46	1.50
25	6	616	CLA	CMD-C2D	-2.25	1.46	1.50
33	S	310	CHL	C1B-CHB	2.25	1.47	1.41
25	A	809	CLA	C3B-CAB	-2.25	1.43	1.47
25	5	312	CLA	CMC-C2C	-2.25	1.46	1.50
25	2	311	CLA	CMD-C2D	-2.25	1.46	1.50
25	6	615	CLA	CMD-C2D	-2.25	1.46	1.50
25	a	313	CLA	CMD-C2D	-2.25	1.46	1.50
25	B	823	CLA	C3B-CAB	-2.25	1.43	1.47
28	A	847	BCR	C30-C25	-2.25	1.50	1.53
25	a	302	CLA	CMC-C2C	-2.25	1.46	1.50
25	A	830	CLA	MG-ND	-2.25	2.01	2.05
25	A	842	CLA	CMC-C2C	-2.25	1.46	1.50
25	B	816	CLA	CMC-C2C	-2.25	1.46	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	B	803	CLA	MG-ND	-2.25	2.01	2.05
25	A	801	CLA	C3B-CAB	-2.25	1.43	1.47
25	9	310	CLA	CMD-C2D	-2.25	1.46	1.50
25	K	202	CLA	C3B-CAB	-2.25	1.43	1.47
33	S	308	CHL	C4C-C3C	2.25	1.48	1.45
25	9	309	CLA	C3B-C2B	-2.25	1.37	1.40
33	6	608	CHL	C1C-NC	-2.25	1.34	1.37
25	B	809	CLA	CMC-C2C	-2.25	1.46	1.50
25	7	310	CLA	CMC-C2C	-2.25	1.46	1.50
25	5	324	CLA	MG-ND	-2.25	2.01	2.05
25	2	308	CLA	CMC-C2C	-2.25	1.46	1.50
25	5	310	CLA	CMC-C2C	-2.25	1.46	1.50
25	B	813	CLA	MG-ND	-2.25	2.01	2.05
34	2	315	LUT	C1-C6	-2.25	1.50	1.53
25	B	837	CLA	MG-ND	-2.25	2.01	2.05
25	6	609	CLA	MG-ND	-2.25	2.01	2.05
25	8	308	CLA	C3B-CAB	-2.25	1.43	1.47
25	R	612	CLA	MG-ND	-2.25	2.01	2.05
25	B	817	CLA	C3B-CAB	-2.24	1.43	1.47
33	1	606	CHL	C1B-CHB	2.24	1.47	1.41
25	K	204	CLA	CMD-C2D	-2.24	1.46	1.50
33	8	307	CHL	C1C-NC	-2.24	1.34	1.37
25	B	806	CLA	CMC-C2C	-2.24	1.46	1.50
25	A	811	CLA	CMC-C2C	-2.24	1.46	1.50
25	K	202	CLA	C3B-C2B	-2.24	1.37	1.40
33	4	306	CHL	C4B-CHC	2.24	1.47	1.41
25	a	302	CLA	CMD-C2D	-2.24	1.46	1.50
33	S	307	CHL	C1B-CHB	2.24	1.47	1.41
25	5	324	CLA	CMD-C2D	-2.24	1.46	1.50
25	A	840	CLA	MG-ND	-2.24	2.01	2.05
25	A	803	CLA	CMD-C2D	-2.24	1.46	1.50
33	P	607	CHL	C1B-CHB	2.24	1.47	1.41
25	4	302	CLA	CMD-C2D	-2.24	1.46	1.50
25	5	311	CLA	CMC-C2C	-2.24	1.46	1.50
25	B	827	CLA	CMC-C2C	-2.24	1.46	1.50
25	1	608	CLA	CMC-C2C	-2.24	1.46	1.50
33	9	306	CHL	C4D-CHA	2.24	1.46	1.38
25	3	311	CLA	CMD-C2D	-2.24	1.46	1.50
25	a	301	CLA	CMC-C2C	-2.24	1.46	1.50
25	B	817	CLA	MG-ND	-2.24	2.01	2.05
25	F	802	CLA	CMD-C2D	-2.24	1.46	1.50
25	8	304	CLA	C3B-CAB	-2.24	1.43	1.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	4	311	CLA	CMD-C2D	-2.24	1.46	1.50
25	A	821	CLA	C3B-CAB	-2.24	1.43	1.47
25	6	603	CLA	MG-ND	-2.24	2.01	2.05
25	6	601	CLA	CMC-C2C	-2.24	1.46	1.50
28	B	851	BCR	C30-C25	-2.23	1.50	1.53
25	A	814	CLA	MG-ND	-2.23	2.01	2.05
33	R	609	CHL	MG-NC	2.23	2.11	2.06
25	S	301	CLA	MG-ND	-2.23	2.01	2.05
28	B	841	BCR	C1-C6	-2.23	1.50	1.53
25	3	307	CLA	CMC-C2C	-2.23	1.46	1.50
34	1	616	LUT	C22-C21	-2.23	1.51	1.54
25	P	612	CLA	MG-ND	-2.23	2.01	2.05
25	6	610	CLA	CMD-C2D	-2.23	1.46	1.50
25	B	849	CLA	C3B-CAB	-2.23	1.43	1.47
25	B	819	CLA	CMC-C2C	-2.23	1.46	1.50
25	2	306	CLA	CMD-C2D	-2.23	1.46	1.50
25	H	203	CLA	CMD-C2D	-2.23	1.46	1.50
25	2	302	CLA	CMC-C2C	-2.23	1.46	1.50
25	3	305	CLA	CMD-C2D	-2.23	1.46	1.50
25	K	201	CLA	MG-ND	-2.23	2.01	2.05
25	A	824	CLA	C3B-CAB	-2.23	1.43	1.47
33	P	619	CHL	C1B-CHB	2.23	1.47	1.41
25	a	309	CLA	CMD-C2D	-2.23	1.46	1.50
25	1	602	CLA	C3B-CAB	-2.23	1.43	1.47
25	6	616	CLA	C3B-CAB	-2.23	1.43	1.47
25	A	836	CLA	CMC-C2C	-2.23	1.46	1.50
33	P	609	CHL	MG-NC	2.23	2.11	2.06
25	R	612	CLA	C4B-NB	2.23	1.37	1.35
25	7	311	CLA	C3B-CAB	-2.22	1.43	1.47
25	4	313	CLA	CMD-C2D	-2.22	1.46	1.50
25	H	205	CLA	MG-ND	-2.22	2.01	2.05
25	a	311	CLA	CMC-C2C	-2.22	1.46	1.50
25	5	313	CLA	C1D-C2D	2.22	1.49	1.45
33	3	306	CHL	C3D-C4D	-2.22	1.39	1.44
28	J	106	BCR	C1-C6	-2.22	1.50	1.53
33	P	608	CHL	C2C-C1C	2.22	1.49	1.44
25	A	824	CLA	CMD-C2D	-2.22	1.46	1.50
33	T	604	CHL	C2C-C1C	2.22	1.49	1.44
25	A	801	CLA	C3B-C2B	-2.22	1.37	1.40
25	1	602	CLA	CMC-C2C	-2.22	1.46	1.50
25	9	309	CLA	CMD-C2D	-2.22	1.46	1.50
25	4	303	CLA	C3B-C2B	-2.22	1.37	1.40

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	808	CLA	CMC-C2C	-2.22	1.46	1.50
25	2	308	CLA	MG-ND	-2.22	2.01	2.05
25	1	605	CLA	CMC-C2C	-2.22	1.46	1.50
25	A	831	CLA	C3B-CAB	-2.22	1.43	1.47
25	B	819	CLA	C3B-CAB	-2.22	1.43	1.47
25	7	313	CLA	C3B-C2B	-2.22	1.37	1.40
25	H	202	CLA	CMC-C2C	-2.22	1.46	1.50
25	B	832	CLA	MG-ND	-2.22	2.01	2.05
25	B	810	CLA	MG-ND	-2.22	2.01	2.05
33	Q	606	CHL	MG-NA	-2.22	2.01	2.06
25	A	801	CLA	MG-ND	-2.22	2.01	2.05
28	B	845	BCR	C21-C22	-2.22	1.32	1.35
25	B	836	CLA	CMC-C2C	-2.22	1.46	1.50
25	6	623	CLA	CMD-C2D	-2.22	1.46	1.50
25	a	304	CLA	CMD-C2D	-2.22	1.46	1.50
33	Q	606	CHL	C1B-CHB	2.22	1.47	1.41
25	8	309	CLA	C3B-C2B	-2.21	1.37	1.40
25	A	810	CLA	MG-ND	-2.21	2.01	2.05
25	B	819	CLA	MG-ND	-2.21	2.01	2.05
25	B	811	CLA	MG-ND	-2.21	2.01	2.05
25	7	310	CLA	MG-ND	-2.21	2.01	2.05
25	8	304	CLA	CMC-C2C	-2.21	1.46	1.50
25	B	849	CLA	CMC-C2C	-2.21	1.46	1.50
25	A	823	CLA	C3B-CAB	-2.21	1.43	1.47
25	8	313	CLA	CMC-C2C	-2.21	1.46	1.50
25	A	826	CLA	C3B-CAB	-2.21	1.43	1.47
33	4	304	CHL	C1B-CHB	2.21	1.47	1.41
28	B	843	BCR	C30-C25	-2.21	1.50	1.53
25	A	805	CLA	CMC-C2C	-2.21	1.46	1.50
25	8	305	CLA	CMC-C2C	-2.21	1.46	1.50
25	5	313	CLA	CMC-C2C	-2.21	1.46	1.50
25	6	614	CLA	C3B-CAB	-2.21	1.43	1.47
25	A	831	CLA	CMC-C2C	-2.21	1.46	1.50
25	1	603	CLA	CMC-C2C	-2.21	1.46	1.50
33	1	606	CHL	C2C-C1C	2.21	1.49	1.44
25	O	201	CLA	C3B-C2B	-2.21	1.37	1.40
25	a	306	CLA	CMD-C2D	-2.21	1.46	1.50
33	Q	601	CHL	C2C-C1C	2.21	1.49	1.44
33	R	601	CHL	C1C-NC	-2.21	1.34	1.37
25	6	603	CLA	CMD-C2D	-2.21	1.46	1.50
25	B	814	CLA	C3B-CAB	-2.21	1.43	1.47
25	7	304	CLA	C3B-CAB	-2.21	1.43	1.47

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	U	306	CHL	C2C-C1C	2.20	1.49	1.44
25	1	613	CLA	CMD-C2D	-2.20	1.46	1.50
25	7	310	CLA	C3B-CAB	-2.20	1.43	1.47
25	A	834	CLA	C3B-CAB	-2.20	1.43	1.47
25	A	837	CLA	C3B-CAB	-2.20	1.43	1.47
33	U	307	CHL	C1B-CHB	2.20	1.47	1.41
25	5	304	CLA	MG-ND	-2.20	2.01	2.05
34	8	317	LUT	C22-C21	-2.20	1.52	1.54
25	A	816	CLA	C3B-CAB	-2.20	1.43	1.47
25	6	620	CLA	C3B-C2B	-2.20	1.37	1.40
25	3	320	CLA	CMC-C2C	-2.20	1.46	1.50
25	1	603	CLA	C3B-C2B	-2.20	1.37	1.40
25	1	607	CLA	CMC-C2C	-2.20	1.46	1.50
25	A	837	CLA	CMC-C2C	-2.20	1.46	1.50
25	3	311	CLA	CMC-C2C	-2.20	1.46	1.50
25	H	201	CLA	C3B-CAB	-2.20	1.43	1.47
25	B	849	CLA	MG-ND	-2.20	2.01	2.05
33	T	606	CHL	C2C-C1C	2.20	1.49	1.44
25	B	821	CLA	C3B-CAB	-2.20	1.43	1.47
33	Q	607	CHL	C2C-C1C	2.20	1.49	1.44
25	1	610	CLA	MG-ND	-2.20	2.01	2.05
25	B	832	CLA	C3B-CAB	-2.20	1.43	1.47
25	B	820	CLA	C3B-CAB	-2.19	1.43	1.47
25	4	308	CLA	C3B-CAB	-2.19	1.43	1.47
25	A	834	CLA	CMC-C2C	-2.19	1.46	1.50
25	H	203	CLA	CMC-C2C	-2.19	1.46	1.50
25	L	209	CLA	CMD-C2D	-2.19	1.46	1.50
33	5	307	CHL	C4D-CHA	2.19	1.46	1.38
25	9	305	CLA	CMC-C2C	-2.19	1.46	1.50
25	B	822	CLA	CMC-C2C	-2.19	1.46	1.50
25	2	308	CLA	C3B-C2B	-2.19	1.37	1.40
33	4	306	CHL	C2C-C1C	2.19	1.49	1.44
25	G	202	CLA	CMD-C2D	-2.19	1.46	1.50
25	3	313	CLA	CMC-C2C	-2.19	1.46	1.50
25	3	313	CLA	MG-ND	-2.19	2.01	2.05
33	Q	601	CHL	C1C-NC	-2.19	1.34	1.37
25	J	103	CLA	C3B-CAB	-2.19	1.43	1.47
25	6	612	CLA	CMC-C2C	-2.19	1.46	1.50
25	2	309	CLA	MG-ND	-2.19	2.01	2.05
33	T	601	CHL	C1C-NC	-2.19	1.34	1.37
25	B	828	CLA	C3B-CAB	-2.19	1.43	1.47
25	1	614	CLA	MG-ND	-2.19	2.01	2.05

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
28	J	106	BCR	C30-C25	-2.19	1.50	1.53
33	P	601	CHL	C2C-C1C	2.19	1.49	1.44
25	7	313	CLA	MG-ND	-2.19	2.01	2.05
25	2	306	CLA	CMC-C2C	-2.19	1.46	1.50
33	P	601	CHL	C1C-NC	-2.19	1.34	1.37
25	H	202	CLA	C3B-CAB	-2.19	1.43	1.47
25	B	820	CLA	MG-ND	-2.19	2.01	2.05
25	6	623	CLA	C3B-CAB	-2.19	1.43	1.47
25	3	310	CLA	CMC-C2C	-2.18	1.46	1.50
25	6	615	CLA	CMC-C2C	-2.18	1.46	1.50
25	6	601	CLA	CMD-C2D	-2.18	1.46	1.50
25	9	308	CLA	CMC-C2C	-2.18	1.46	1.50
25	1	613	CLA	C3B-CAB	-2.18	1.43	1.47
25	A	853	CLA	MG-ND	-2.18	2.01	2.05
25	3	312	CLA	CMC-C2C	-2.18	1.46	1.50
25	B	831	CLA	CMC-C2C	-2.18	1.46	1.50
25	L	202	CLA	CMC-C2C	-2.18	1.46	1.50
33	U	305	CHL	C2C-C1C	2.18	1.49	1.44
28	I	201	BCR	C30-C25	-2.18	1.50	1.53
25	4	311	CLA	CMC-C2C	-2.18	1.46	1.50
25	9	304	CLA	MG-ND	-2.18	2.01	2.05
25	B	831	CLA	C3B-CAB	-2.18	1.43	1.47
25	2	311	CLA	C3B-CAB	-2.18	1.43	1.47
25	2	305	CLA	CMD-C2D	-2.18	1.46	1.50
33	S	321	CHL	C1B-CHB	2.18	1.47	1.41
25	1	613	CLA	MG-ND	-2.18	2.01	2.05
33	9	307	CHL	C1B-CHB	2.18	1.47	1.41
25	7	312	CLA	C3B-CAB	-2.18	1.43	1.47
33	T	607	CHL	C1C-NC	-2.18	1.34	1.37
25	3	310	CLA	C3B-C2B	-2.18	1.37	1.40
33	5	308	CHL	C2C-C1C	2.18	1.49	1.44
25	2	314	CLA	CMD-C2D	-2.18	1.46	1.50
25	4	310	CLA	CMC-C2C	-2.18	1.46	1.50
25	5	304	CLA	CMC-C2C	-2.18	1.46	1.50
25	8	315	CLA	CMC-C2C	-2.18	1.46	1.50
25	B	820	CLA	CMC-C2C	-2.18	1.46	1.50
25	3	312	CLA	CMD-C2D	-2.18	1.46	1.50
28	F	801	BCR	C30-C25	-2.18	1.50	1.53
25	A	820	CLA	CAC-C3C	-2.18	1.45	1.51
25	6	620	CLA	CMC-C2C	-2.17	1.46	1.50
25	a	311	CLA	CMD-C2D	-2.17	1.46	1.50
25	8	311	CLA	MG-ND	-2.17	2.01	2.05

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	839	CLA	C3B-CAB	-2.17	1.43	1.47
25	O	202	CLA	CMC-C2C	-2.17	1.46	1.50
25	4	309	CLA	MG-ND	-2.17	2.01	2.05
25	B	829	CLA	C3B-C2B	-2.17	1.37	1.40
25	2	305	CLA	CMC-C2C	-2.17	1.46	1.50
25	3	303	CLA	C3B-CAB	-2.17	1.43	1.47
25	9	311	CLA	C3B-CAB	-2.17	1.43	1.47
34	a	314	LUT	C1-C6	-2.17	1.50	1.53
25	J	105	CLA	C3B-CAB	-2.17	1.43	1.47
25	6	623	CLA	C3B-C2B	-2.17	1.37	1.40
28	O	204	BCR	C1-C6	-2.17	1.50	1.53
33	3	306	CHL	C4B-CHC	2.17	1.47	1.41
25	5	315	CLA	C3B-CAB	-2.17	1.43	1.47
25	B	817	CLA	C3B-C2B	-2.17	1.37	1.40
25	a	311	CLA	C3B-C2B	-2.17	1.37	1.40
33	1	606	CHL	C1C-NC	-2.17	1.34	1.37
25	4	307	CLA	C3B-CAB	-2.17	1.43	1.47
25	7	311	CLA	CMC-C2C	-2.17	1.46	1.50
25	P	612	CLA	C4B-NB	2.17	1.37	1.35
25	F	802	CLA	C3B-CAB	-2.17	1.43	1.47
33	4	322	CHL	C4C-C3C	2.17	1.48	1.45
25	7	308	CLA	MG-ND	-2.17	2.01	2.05
28	L	207	BCR	C1-C6	-2.16	1.50	1.53
33	R	601	CHL	C2C-C1C	2.16	1.49	1.44
25	5	305	CLA	C3B-CAB	-2.16	1.43	1.47
25	2	302	CLA	CMD-C2D	-2.16	1.46	1.50
25	5	302	CLA	CMC-C2C	-2.16	1.46	1.50
25	6	613	CLA	CMC-C2C	-2.16	1.46	1.50
25	2	304	CLA	MG-ND	-2.16	2.01	2.05
25	2	313	CLA	CMC-C2C	-2.16	1.46	1.50
25	T	609	CLA	C3B-CAB	-2.16	1.43	1.47
25	2	309	CLA	C3B-CAB	-2.16	1.43	1.47
25	2	313	CLA	CMD-C2D	-2.16	1.46	1.50
33	R	605	CHL	C1D-ND	-2.16	1.35	1.37
25	Q	610	CLA	C3B-CAB	-2.16	1.43	1.47
25	7	307	CLA	C3B-CAB	-2.16	1.43	1.47
33	6	617	CHL	C2C-C1C	2.16	1.49	1.44
25	U	311	CLA	CMC-C2C	-2.16	1.46	1.50
25	B	836	CLA	MG-ND	-2.16	2.01	2.05
25	8	304	CLA	MG-ND	-2.16	2.01	2.05
25	7	302	CLA	C3B-CAB	-2.16	1.43	1.47
25	4	303	CLA	CMD-C2D	-2.16	1.46	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	4	308	CLA	CMD-C2D	-2.16	1.46	1.50
25	9	303	CLA	MG-ND	-2.16	2.01	2.05
33	4	305	CHL	C1B-CHB	2.16	1.47	1.41
25	1	614	CLA	C3B-CAB	-2.15	1.43	1.47
25	Q	613	CLA	CMC-C2C	-2.15	1.46	1.50
25	8	306	CLA	CMC-C2C	-2.15	1.46	1.50
25	A	802	CLA	C3B-C2B	-2.15	1.37	1.40
25	B	834	CLA	MG-ND	-2.15	2.01	2.05
25	A	838	CLA	MG-ND	-2.15	2.01	2.05
25	B	821	CLA	C3B-C2B	-2.15	1.37	1.40
25	A	811	CLA	C3B-CAB	-2.15	1.43	1.47
25	2	307	CLA	CMD-C2D	-2.15	1.46	1.50
30	B	848	DGD	O5D-C1E	2.15	1.43	1.40
25	S	304	CLA	CMD-C2D	-2.15	1.46	1.50
25	O	202	CLA	C3B-CAB	-2.15	1.43	1.47
33	P	605	CHL	C2C-C1C	2.15	1.49	1.44
33	6	606	CHL	C1B-CHB	2.15	1.47	1.41
25	B	821	CLA	MG-ND	-2.15	2.01	2.05
25	5	306	CLA	MG-ND	-2.15	2.01	2.05
25	a	306	CLA	CMC-C2C	-2.15	1.46	1.50
25	6	604	CLA	CMC-C2C	-2.15	1.46	1.50
33	5	308	CHL	C1C-NC	-2.15	1.34	1.37
25	a	312	CLA	CMD-C2D	-2.15	1.46	1.50
25	A	808	CLA	C3B-CAB	-2.15	1.43	1.47
33	4	305	CHL	C2C-C1C	2.15	1.49	1.44
33	4	305	CHL	C4C-C3C	2.15	1.48	1.45
25	B	829	CLA	CMC-C2C	-2.15	1.46	1.50
25	2	304	CLA	CMC-C2C	-2.15	1.46	1.50
25	G	201	CLA	CMD-C2D	-2.15	1.46	1.50
33	U	307	CHL	C2C-C1C	2.15	1.49	1.44
25	A	832	CLA	MG-ND	-2.14	2.01	2.05
25	8	310	CLA	CMC-C2C	-2.14	1.46	1.50
25	G	201	CLA	C3B-C2B	-2.14	1.37	1.40
25	A	804	CLA	C3B-CAB	-2.14	1.43	1.47
25	3	311	CLA	C3B-CAB	-2.14	1.43	1.47
28	3	317	BCR	C1-C6	-2.14	1.50	1.53
25	F	802	CLA	MG-ND	-2.14	2.01	2.05
25	B	830	CLA	C3B-CAB	-2.14	1.43	1.47
25	4	301	CLA	MG-ND	-2.14	2.01	2.05
25	B	809	CLA	MG-ND	-2.14	2.01	2.05
25	3	310	CLA	C3B-CAB	-2.14	1.43	1.47
25	K	202	CLA	CMC-C2C	-2.14	1.46	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	R	606	CHL	C2C-C1C	2.14	1.49	1.44
25	8	311	CLA	CMC-C2C	-2.14	1.46	1.50
35	Q	616	XAT	O24-C25	-2.14	1.43	1.46
25	4	308	CLA	MG-ND	-2.14	2.01	2.05
25	6	614	CLA	CMC-C2C	-2.14	1.46	1.50
25	S	303	CLA	CMC-C2C	-2.14	1.46	1.50
25	B	804	CLA	MG-ND	-2.14	2.01	2.05
25	9	308	CLA	C3B-CAB	-2.14	1.43	1.47
25	G	202	CLA	CMC-C2C	-2.14	1.46	1.50
25	6	616	CLA	CMC-C2C	-2.14	1.46	1.50
25	6	614	CLA	MG-ND	-2.14	2.01	2.05
25	5	312	CLA	C3B-CAB	-2.14	1.43	1.47
25	A	828	CLA	MG-ND	-2.14	2.01	2.05
25	7	306	CLA	MG-ND	-2.14	2.01	2.05
25	a	303	CLA	O1A-CGA	2.13	1.28	1.22
25	B	806	CLA	MG-ND	-2.13	2.01	2.05
25	3	302	CLA	MG-ND	-2.13	2.01	2.05
25	1	610	CLA	CMC-C2C	-2.13	1.46	1.50
25	A	815	CLA	C3B-CAB	-2.13	1.43	1.47
33	6	608	CHL	C4D-CHA	2.13	1.46	1.38
25	5	310	CLA	CMD-C2D	-2.13	1.46	1.50
34	3	315	LUT	C22-C21	-2.13	1.52	1.54
25	7	313	CLA	C3B-CAB	-2.13	1.43	1.47
25	A	837	CLA	MG-ND	-2.13	2.01	2.05
25	a	312	CLA	CMC-C2C	-2.13	1.46	1.50
28	3	317	BCR	C30-C25	-2.13	1.50	1.53
25	8	302	CLA	CMC-C2C	-2.13	1.46	1.50
25	B	828	CLA	CMC-C2C	-2.13	1.46	1.50
25	K	203	CLA	MG-ND	-2.13	2.01	2.05
33	6	608	CHL	C2C-C1C	2.13	1.49	1.44
25	A	812	CLA	MG-ND	-2.13	2.01	2.05
28	A	848	BCR	C1-C6	-2.13	1.50	1.53
25	5	311	CLA	C3B-C2B	-2.13	1.37	1.40
25	B	805	CLA	CAC-C3C	-2.13	1.45	1.51
25	1	609	CLA	CAC-C3C	-2.13	1.45	1.51
33	S	321	CHL	C1C-NC	-2.13	1.34	1.37
25	A	807	CLA	CAC-C3C	-2.13	1.45	1.51
33	P	607	CHL	C2C-C1C	2.13	1.49	1.44
34	9	312	LUT	C22-C21	-2.12	1.52	1.54
25	B	831	CLA	MG-ND	-2.12	2.01	2.05
25	9	311	CLA	CMD-C2D	-2.12	1.46	1.50
28	B	843	BCR	C1-C6	-2.12	1.50	1.53

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	S	306	CHL	MG-NA	-2.12	2.01	2.06
25	A	802	CLA	CAA-C2A	-2.12	1.50	1.54
25	B	811	CLA	C4B-CHC	-2.12	1.35	1.41
25	R	611	CLA	CMB-C2B	-2.12	1.47	1.51
25	1	614	CLA	CMC-C2C	-2.12	1.46	1.50
25	8	308	CLA	MG-ND	-2.12	2.01	2.05
33	8	307	CHL	C1B-CHB	2.12	1.46	1.41
33	P	619	CHL	C2C-C1C	2.12	1.49	1.44
25	3	309	CLA	C3B-C2B	-2.12	1.37	1.40
25	4	311	CLA	C3B-CAB	-2.12	1.43	1.47
25	8	306	CLA	C3B-C2B	-2.12	1.37	1.40
34	Q	615	LUT	C1-C6	-2.12	1.50	1.53
25	6	604	CLA	MG-ND	-2.12	2.01	2.05
25	2	304	CLA	C3B-CAB	-2.12	1.43	1.47
25	A	831	CLA	MG-ND	-2.12	2.01	2.05
25	R	610	CLA	CMC-C2C	-2.12	1.46	1.50
33	9	306	CHL	C1B-CHB	2.12	1.46	1.41
25	A	834	CLA	MG-ND	-2.12	2.01	2.05
25	B	818	CLA	MG-ND	-2.11	2.01	2.05
25	J	103	CLA	MG-ND	-2.11	2.01	2.05
25	S	315	CLA	CMD-C2D	-2.11	1.46	1.50
28	4	321	BCR	C1-C6	-2.11	1.50	1.53
25	3	305	CLA	CMC-C2C	-2.11	1.46	1.50
25	6	623	CLA	CMC-C2C	-2.11	1.46	1.50
33	P	605	CHL	C1C-NC	-2.11	1.34	1.37
25	O	202	CLA	MG-ND	-2.11	2.01	2.05
25	A	838	CLA	CMC-C2C	-2.11	1.46	1.50
25	a	313	CLA	CMC-C2C	-2.11	1.46	1.50
25	5	302	CLA	MG-ND	-2.11	2.01	2.05
25	2	309	CLA	CMC-C2C	-2.11	1.46	1.50
25	8	309	CLA	CMC-C2C	-2.11	1.46	1.50
25	a	308	CLA	C3B-C2B	-2.11	1.37	1.40
25	5	314	CLA	C3B-C2B	-2.11	1.37	1.40
33	S	302	CHL	C4C-C3C	2.11	1.48	1.45
25	a	304	CLA	CMC-C2C	-2.11	1.46	1.50
25	A	842	CLA	MG-ND	-2.11	2.01	2.05
25	8	305	CLA	MG-ND	-2.11	2.01	2.05
25	6	611	CLA	C3B-CAB	-2.11	1.43	1.47
25	O	201	CLA	CMD-C2D	-2.11	1.46	1.50
25	B	828	CLA	MG-ND	-2.11	2.01	2.05
25	P	611	CLA	C3B-C2B	-2.11	1.37	1.40
25	9	310	CLA	CMC-C2C	-2.11	1.46	1.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	8	306	CLA	C3B-CAB	-2.11	1.43	1.47
25	A	824	CLA	MG-ND	-2.11	2.01	2.05
25	9	309	CLA	CMC-C2C	-2.11	1.46	1.50
33	R	607	CHL	C2C-C1C	2.10	1.49	1.44
25	S	315	CLA	C3B-C2B	-2.10	1.37	1.40
25	2	307	CLA	MG-ND	-2.10	2.01	2.05
25	5	316	CLA	MG-ND	-2.10	2.01	2.05
25	K	201	CLA	C3B-CAB	-2.10	1.43	1.47
25	9	303	CLA	C3B-CAB	-2.10	1.43	1.47
25	7	313	CLA	CMC-C2C	-2.10	1.46	1.50
34	4	316	LUT	C1-C6	-2.10	1.50	1.53
25	5	303	CLA	CAC-C3C	-2.10	1.45	1.51
25	a	307	CLA	CMC-C2C	-2.10	1.46	1.50
25	8	314	CLA	MG-ND	-2.10	2.01	2.05
25	1	613	CLA	CMC-C2C	-2.10	1.46	1.50
25	3	313	CLA	C3B-CAB	-2.10	1.43	1.47
25	Q	611	CLA	C3B-C2B	-2.10	1.37	1.40
25	7	312	CLA	C3B-C2B	-2.10	1.37	1.40
25	1	608	CLA	MG-ND	-2.10	2.01	2.05
25	S	312	CLA	CMD-C2D	-2.10	1.46	1.50
33	S	302	CHL	C1B-CHB	2.10	1.46	1.41
25	3	308	CLA	C3B-CAB	-2.10	1.43	1.47
28	A	847	BCR	C21-C22	-2.10	1.33	1.35
25	6	601	CLA	C3B-CAB	-2.10	1.43	1.47
25	K	202	CLA	MG-ND	-2.09	2.01	2.05
25	3	312	CLA	C3B-CAB	-2.09	1.43	1.47
33	P	606	CHL	C1B-CHB	2.09	1.46	1.41
28	L	208	BCR	C30-C25	-2.09	1.50	1.53
34	6	622	LUT	C22-C21	-2.09	1.52	1.54
25	S	320	CLA	CMD-C2D	-2.09	1.46	1.50
28	3	319	BCR	C30-C25	-2.09	1.50	1.53
25	4	312	CLA	C3B-CAB	-2.09	1.43	1.47
33	3	306	CHL	C4D-CHA	2.09	1.45	1.38
33	T	601	CHL	C2C-C1C	2.09	1.49	1.44
25	1	603	CLA	MG-ND	-2.09	2.01	2.05
25	5	314	CLA	CMC-C2C	-2.09	1.46	1.50
33	S	308	CHL	C1B-CHB	2.09	1.46	1.41
25	5	312	CLA	C3B-C2B	-2.09	1.37	1.40
25	2	314	CLA	C3B-CAB	-2.09	1.43	1.47
25	O	201	CLA	C3B-CAB	-2.09	1.43	1.47
25	5	311	CLA	C3B-CAB	-2.09	1.43	1.47
25	B	818	CLA	C3B-CAB	-2.09	1.43	1.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	G	202	CLA	C3B-CAB	-2.09	1.43	1.47
33	R	609	CHL	C1B-NB	2.08	1.37	1.35
25	B	838	CLA	MG-ND	-2.08	2.01	2.05
28	6	621	BCR	C30-C25	-2.08	1.50	1.53
25	2	310	CLA	C3B-CAB	-2.08	1.43	1.47
25	J	105	CLA	CMC-C2C	-2.08	1.46	1.50
25	9	309	CLA	C3B-CAB	-2.08	1.43	1.47
25	2	302	CLA	MG-ND	-2.08	2.01	2.05
35	P	623	XAT	C22-C21	-2.08	1.51	1.54
25	Q	618	CLA	C3D-C4D	2.08	1.48	1.44
25	H	203	CLA	MG-ND	-2.08	2.01	2.05
25	4	303	CLA	MG-ND	-2.08	2.01	2.05
25	8	302	CLA	MG-ND	-2.08	2.01	2.05
25	K	203	CLA	C3B-CAB	-2.08	1.43	1.47
25	2	311	CLA	MG-ND	-2.08	2.01	2.05
28	O	205	BCR	C1-C6	-2.08	1.50	1.53
25	a	302	CLA	C3B-C2B	-2.08	1.37	1.40
25	5	319	CLA	MG-ND	-2.08	2.01	2.05
25	T	610	CLA	CMC-C2C	-2.08	1.46	1.50
25	J	105	CLA	MG-ND	-2.08	2.01	2.05
25	8	313	CLA	MG-ND	-2.08	2.01	2.05
25	Q	611	CLA	CMC-C2C	-2.08	1.46	1.50
25	B	816	CLA	MG-ND	-2.08	2.01	2.05
25	A	815	CLA	MG-ND	-2.08	2.01	2.05
25	5	310	CLA	MG-ND	-2.08	2.01	2.05
25	S	301	CLA	CMD-C2D	-2.07	1.46	1.50
25	B	801	CLA	MG-ND	-2.07	2.01	2.05
25	8	314	CLA	CMC-C2C	-2.07	1.46	1.50
25	2	314	CLA	MG-ND	-2.07	2.01	2.05
33	R	606	CHL	C1C-NC	-2.07	1.34	1.37
25	1	607	CLA	C3B-CAB	-2.07	1.43	1.47
25	A	820	CLA	C4B-CHC	-2.07	1.35	1.41
25	4	307	CLA	CMC-C2C	-2.07	1.46	1.50
33	S	321	CHL	C2C-C1C	2.07	1.49	1.44
25	6	601	CLA	MG-ND	-2.07	2.01	2.05
33	U	306	CHL	C1B-CHB	2.07	1.46	1.41
25	8	314	CLA	C3B-CAB	-2.07	1.43	1.47
33	6	607	CHL	C4C-C3C	2.07	1.48	1.45
25	O	201	CLA	CMC-C2C	-2.07	1.46	1.50
25	4	302	CLA	CMC-C2C	-2.07	1.46	1.50
25	3	309	CLA	CMC-C2C	-2.07	1.46	1.50
25	2	313	CLA	C3B-C2B	-2.07	1.37	1.40

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	8	303	CLA	CAC-C3C	-2.07	1.45	1.51
25	1	609	CLA	C1A-CHA	-2.07	1.34	1.43
25	9	304	CLA	CMC-C2C	-2.07	1.46	1.50
25	K	204	CLA	MG-ND	-2.07	2.01	2.05
25	7	312	CLA	MG-ND	-2.07	2.01	2.05
25	1	614	CLA	C3B-C2B	-2.06	1.37	1.40
25	1	602	CLA	MG-ND	-2.06	2.01	2.05
25	K	205	CLA	CMC-C2C	-2.06	1.46	1.50
25	P	603	CLA	CMD-C2D	-2.06	1.46	1.50
25	K	205	CLA	CMD-C2D	-2.06	1.46	1.50
25	O	202	CLA	C3B-C2B	-2.06	1.37	1.40
25	B	807	CLA	MG-ND	-2.06	2.01	2.05
25	9	302	CLA	CMD-C2D	-2.06	1.46	1.50
25	8	315	CLA	C3B-CAB	-2.06	1.43	1.47
25	5	313	CLA	C3B-CAB	-2.06	1.43	1.47
25	B	835	CLA	MG-ND	-2.06	2.01	2.05
25	8	315	CLA	MG-ND	-2.06	2.01	2.05
33	a	305	CHL	C2C-C1C	2.06	1.49	1.44
33	5	307	CHL	C3D-C4D	-2.06	1.39	1.44
33	9	306	CHL	C2C-C1C	2.06	1.49	1.44
25	1	612	CLA	C3B-CAB	-2.06	1.43	1.47
25	G	201	CLA	C3B-CAB	-2.06	1.43	1.47
33	4	306	CHL	C1B-CHB	2.06	1.46	1.41
33	S	309	CHL	C1B-CHB	2.06	1.46	1.41
25	3	309	CLA	MG-ND	-2.06	2.01	2.05
33	7	305	CHL	C4C-C3C	2.06	1.48	1.45
25	1	609	CLA	C3B-CAB	-2.06	1.43	1.47
25	H	205	CLA	C3B-CAB	-2.06	1.43	1.47
25	B	820	CLA	C3B-C2B	-2.06	1.37	1.40
25	L	205	CLA	C4B-CHC	-2.06	1.35	1.41
33	Q	608	CHL	O1D-CGD	2.06	1.26	1.21
25	2	308	CLA	C3B-CAB	-2.05	1.43	1.47
25	U	313	CLA	CMD-C2D	-2.05	1.46	1.50
33	Q	608	CHL	C1B-NB	2.05	1.37	1.35
25	1	603	CLA	C3B-CAB	-2.05	1.43	1.47
33	6	608	CHL	C1B-CHB	2.05	1.46	1.41
25	A	802	CLA	MG-ND	-2.05	2.01	2.05
25	5	313	CLA	C4B-CHC	-2.05	1.35	1.41
33	5	307	CHL	C4C-C3C	2.05	1.48	1.45
25	a	310	CLA	C3B-C2B	-2.05	1.37	1.40
33	5	317	CHL	C2C-C1C	2.05	1.49	1.44
25	3	309	CLA	C3B-CAB	-2.05	1.43	1.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
28	5	323	BCR	C1-C6	-2.05	1.51	1.53
33	Q	607	CHL	C1C-NC	-2.05	1.34	1.37
25	Q	603	CLA	CMD-C2D	-2.05	1.46	1.50
33	T	605	CHL	C1C-NC	-2.05	1.34	1.37
25	H	201	CLA	C3B-C2B	-2.05	1.37	1.40
25	5	306	CLA	CMC-C2C	-2.05	1.46	1.50
33	a	305	CHL	C4C-C3C	2.04	1.48	1.45
33	9	306	CHL	C3D-C4D	-2.04	1.39	1.44
25	K	203	CLA	CMC-C2C	-2.04	1.46	1.50
25	a	310	CLA	CMC-C2C	-2.04	1.46	1.50
25	9	310	CLA	C3B-CAB	-2.04	1.43	1.47
25	L	209	CLA	CMC-C2C	-2.04	1.46	1.50
34	9	312	LUT	C1-C6	-2.04	1.51	1.53
25	a	307	CLA	C3B-C2B	-2.04	1.37	1.40
33	9	307	CHL	C4C-C3C	2.04	1.48	1.45
25	5	314	CLA	MG-ND	-2.03	2.01	2.05
33	R	605	CHL	CMC-C2C	2.03	1.49	1.45
34	4	316	LUT	C22-C21	-2.03	1.52	1.54
25	Q	613	CLA	C3B-CAB	-2.03	1.43	1.47
33	U	309	CHL	C1C-NC	-2.03	1.34	1.37
25	9	301	CLA	MG-ND	-2.03	2.01	2.05
33	7	305	CHL	C2C-C1C	2.03	1.48	1.44
25	4	313	CLA	C3B-CAB	-2.03	1.43	1.47
28	O	204	BCR	C30-C25	-2.03	1.51	1.53
25	a	303	CLA	CMC-C2C	-2.03	1.46	1.50
33	1	606	CHL	C4C-C3C	2.03	1.48	1.45
34	7	315	LUT	C22-C21	-2.03	1.52	1.54
25	Q	602	CLA	CMD-C2D	-2.03	1.46	1.50
25	3	305	CLA	MG-ND	-2.03	2.01	2.05
25	1	611	CLA	C3B-CAB	-2.03	1.43	1.47
25	2	306	CLA	C3B-CAB	-2.03	1.43	1.47
25	P	604	CLA	CMD-C2D	-2.03	1.46	1.50
25	4	303	CLA	CMC-C2C	-2.03	1.46	1.50
25	8	315	CLA	C3B-C2B	-2.03	1.37	1.40
25	A	818	CLA	C3B-CAB	-2.03	1.43	1.47
33	P	607	CHL	C1C-NC	-2.03	1.34	1.37
25	3	304	CLA	MG-ND	-2.03	2.01	2.05
25	3	310	CLA	MG-ND	-2.03	2.01	2.05
28	5	320	BCR	C1-C6	-2.03	1.51	1.53
25	P	610	CLA	CMD-C2D	-2.03	1.46	1.50
32	4	320	LMG	O1-C1	2.03	1.43	1.40
25	8	311	CLA	C3B-CAB	-2.03	1.43	1.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	4	314	CHL	C1C-NC	-2.03	1.34	1.37
25	7	311	CLA	MG-ND	-2.03	2.01	2.05
25	Q	612	CLA	CMC-C2C	-2.03	1.46	1.50
25	T	602	CLA	CMD-C2D	-2.03	1.46	1.50
25	3	320	CLA	CAC-C3C	-2.03	1.45	1.51
33	R	609	CHL	O1D-CGD	2.03	1.26	1.21
33	P	609	CHL	O1D-CGD	2.03	1.26	1.21
25	S	315	CLA	C3B-CAB	-2.02	1.43	1.47
33	S	302	CHL	C1C-NC	-2.02	1.34	1.37
33	T	605	CHL	C1B-CHB	2.02	1.46	1.41
25	S	315	CLA	MG-ND	-2.02	2.01	2.05
25	B	815	CLA	C4B-CHC	-2.02	1.35	1.41
25	P	604	CLA	CMC-C2C	-2.02	1.46	1.50
25	6	611	CLA	CMC-C2C	-2.02	1.46	1.50
33	5	308	CHL	C3A-C2A	-2.02	1.48	1.54
25	2	303	CLA	MG-ND	-2.02	2.01	2.05
25	4	310	CLA	MG-ND	-2.02	2.01	2.05
33	R	606	CHL	C1B-CHB	2.02	1.46	1.41
25	B	830	CLA	MG-ND	-2.02	2.01	2.05
25	6	615	CLA	MG-ND	-2.02	2.01	2.05
25	U	311	CLA	C3B-C2B	-2.02	1.37	1.40
25	8	311	CLA	C3B-C2B	-2.02	1.37	1.40
25	Q	604	CLA	CMD-C2D	-2.02	1.46	1.50
25	a	311	CLA	C3B-CAB	-2.02	1.43	1.47
33	P	608	CHL	C1C-NC	-2.02	1.34	1.37
25	U	302	CLA	CMD-C2D	-2.02	1.46	1.50
28	A	845	BCR	C1-C6	-2.02	1.51	1.53
25	Q	618	CLA	C3B-CAB	-2.02	1.43	1.47
25	R	604	CLA	C3C-C2C	2.02	1.41	1.36
25	3	312	CLA	C3B-C2B	-2.02	1.37	1.40
33	P	619	CHL	C1C-NC	-2.02	1.34	1.37
25	S	305	CLA	CMD-C2D	-2.02	1.46	1.50
25	5	305	CLA	C4B-CHC	-2.02	1.35	1.41
25	S	313	CLA	CMD-C2D	-2.02	1.46	1.50
33	U	308	CHL	C1B-CHB	2.02	1.46	1.41
33	R	607	CHL	C1C-NC	-2.02	1.34	1.37
25	1	611	CLA	MG-ND	-2.02	2.01	2.05
25	S	311	CLA	CMD-C2D	-2.02	1.46	1.50
25	a	302	CLA	C3B-CAB	-2.02	1.43	1.47
33	Q	605	CHL	C1B-CHB	2.01	1.46	1.41
32	7	319	LMG	O1-C1	2.01	1.43	1.40
25	H	201	CLA	MG-ND	-2.01	2.01	2.05

*Continued on next page...*

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	604	CLA	CMC-C2C	-2.01	1.46	1.50
30	B	846	DGD	O2G-C2G	-2.01	1.41	1.46
25	2	310	CLA	MG-ND	-2.01	2.01	2.05
25	8	308	CLA	C4B-CHC	-2.01	1.35	1.41
25	8	312	CLA	C3B-CAB	-2.01	1.43	1.47
25	9	310	CLA	C3B-C2B	-2.01	1.37	1.40
25	S	314	CLA	CMC-C2C	-2.01	1.46	1.50
25	G	201	CLA	MG-ND	-2.01	2.01	2.05
34	5	318	LUT	C22-C21	-2.01	1.52	1.54
34	a	314	LUT	C22-C21	-2.01	1.52	1.54
27	A	844	LHG	O7-C5	-2.01	1.41	1.46
25	5	310	CLA	CAC-C3C	-2.01	1.46	1.51
25	T	609	CLA	C3B-C2B	-2.01	1.37	1.40
33	T	604	CHL	C1B-CHB	2.01	1.46	1.41
25	B	816	CLA	CAC-C3C	-2.01	1.46	1.51
25	9	302	CLA	C3B-CAB	-2.01	1.43	1.47
28	8	318	BCR	C30-C25	-2.01	1.51	1.53
33	P	608	CHL	C1B-CHB	2.01	1.46	1.41
33	Q	608	CHL	C3B-CAB	-2.01	1.43	1.47
25	A	836	CLA	MG-ND	-2.01	2.01	2.05
25	1	612	CLA	C3D-C4D	2.01	1.48	1.44
33	P	609	CHL	C1B-NB	2.01	1.37	1.35
25	U	303	CLA	CMD-C2D	-2.01	1.46	1.50
25	A	811	CLA	MG-ND	-2.01	2.01	2.05
33	7	305	CHL	C3D-C4D	-2.01	1.39	1.44
25	6	609	CLA	CMC-C2C	-2.01	1.46	1.50
34	7	314	LUT	C22-C21	-2.00	1.52	1.54
25	A	814	CLA	CAA-C2A	-2.00	1.50	1.54
25	4	313	CLA	CMC-C2C	-2.00	1.46	1.50
25	B	825	CLA	C4B-CHC	-2.00	1.35	1.41
25	a	309	CLA	CMC-C2C	-2.00	1.46	1.50
25	A	829	CLA	C4B-CHC	-2.00	1.35	1.41
25	U	304	CLA	C3C-C2C	2.00	1.41	1.36
35	S	318	XAT	O24-C25	-2.00	1.43	1.46
25	U	312	CLA	CMD-C2D	-2.00	1.46	1.50
25	T	608	CLA	CMD-C2D	-2.00	1.46	1.50
25	8	308	CLA	CAC-C3C	-2.00	1.46	1.51

All (5126) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	303	CLA	C1-C2-C3	16.98	155.41	126.04

Continued on next page...

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	1	612	CLA	C4A-NA-C1A	13.26	112.67	106.71
36	P	621	NEX	C16-C1-C6	12.24	121.42	110.47
25	a	303	CLA	C4-C3-C5	-10.98	96.79	115.27
33	R	609	CHL	C4A-NA-C1A	10.42	111.39	106.71
33	Q	608	CHL	C4A-NA-C1A	10.38	111.37	106.71
25	a	303	CLA	O2A-C1-C2	10.37	135.89	108.64
33	P	609	CHL	C4A-NA-C1A	10.35	111.36	106.71
28	5	323	BCR	C16-C17-C18	-9.68	113.50	127.31
25	a	303	CLA	C4-C3-C2	9.52	148.10	123.68
36	R	617	NEX	O24-C25-C24	9.03	120.16	113.38
35	S	318	XAT	O24-C25-C24	8.82	120.00	113.38
25	P	612	CLA	C4A-NA-C1A	8.76	110.64	106.71
36	U	301	NEX	O24-C25-C24	8.71	119.92	113.38
25	a	311	CLA	C4A-NA-C1A	8.71	110.62	106.71
35	P	623	XAT	O4-C5-C4	8.52	119.78	113.38
25	R	612	CLA	C4A-NA-C1A	8.51	110.53	106.71
33	6	608	CHL	C4D-CHA-C1A	-8.50	110.90	121.25
33	8	307	CHL	C4D-CHA-C1A	-8.48	110.92	121.25
36	T	616	NEX	O24-C25-C24	8.32	119.63	113.38
35	Q	616	XAT	O4-C5-C4	8.29	119.61	113.38
33	P	605	CHL	C4D-CHA-C1A	-8.29	111.16	121.25
35	T	615	XAT	O4-C5-C4	8.27	119.59	113.38
25	B	807	CLA	C4A-NA-C1A	8.19	110.39	106.71
33	P	622	CHL	C2C-C3C-C4C	-8.18	100.66	106.49
33	8	307	CHL	O2D-CGD-CBD	8.15	125.75	111.27
33	S	309	CHL	C4D-CHA-C1A	-8.12	111.37	121.25
33	5	308	CHL	C4D-CHA-C1A	-8.12	111.37	121.25
33	S	302	CHL	C2C-C3C-C4C	-8.10	100.72	106.49
36	P	617	NEX	O24-C25-C24	8.09	119.46	113.38
35	P	616	XAT	O24-C25-C24	8.01	119.40	113.38
33	Q	605	CHL	C4D-CHA-C1A	-7.98	111.53	121.25
33	5	307	CHL	CMD-C2D-C1D	7.98	138.78	124.71
33	6	607	CHL	C2C-C3C-C4C	-7.98	100.80	106.49
28	5	323	BCR	C11-C10-C9	-7.97	115.94	127.31
35	P	620	XAT	O4-C5-C4	7.97	119.37	113.38
33	4	322	CHL	C2C-C3C-C4C	-7.96	100.82	106.49
35	P	623	XAT	O24-C25-C24	7.96	119.36	113.38
28	4	321	BCR	C7-C8-C9	-7.95	114.22	126.23
28	B	840	BCR	C7-C8-C9	-7.95	114.22	126.23
33	R	605	CHL	C4D-CHA-C1A	-7.94	111.59	121.25
33	S	302	CHL	C4D-CHA-C1A	-7.92	111.61	121.25
33	9	306	CHL	CMD-C2D-C1D	7.88	138.61	124.71

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	308	CLA	C4A-NA-C1A	7.87	110.24	106.71
35	T	615	XAT	O24-C25-C24	7.82	119.25	113.38
33	6	608	CHL	C2C-C3C-C4C	-7.81	100.92	106.49
36	U	316	NEX	O24-C25-C24	7.81	119.25	113.38
33	3	306	CHL	CMD-C2D-C1D	7.81	138.47	124.71
33	T	604	CHL	C4D-CHA-C1A	-7.79	111.77	121.25
33	3	306	CHL	C4D-CHA-C1A	-7.78	111.78	121.25
35	P	616	XAT	O4-C5-C4	7.77	119.22	113.38
33	P	619	CHL	C4D-CHA-C1A	-7.74	111.82	121.25
28	5	323	BCR	C7-C8-C9	-7.74	114.53	126.23
33	P	607	CHL	C4D-CHA-C1A	-7.74	111.83	121.25
25	B	837	CLA	C4A-NA-C1A	7.74	110.18	106.71
33	R	607	CHL	C4D-CHA-C1A	-7.72	111.85	121.25
25	A	834	CLA	C4A-NA-C1A	7.72	110.18	106.71
33	U	305	CHL	C4D-CHA-C1A	-7.69	111.89	121.25
25	4	311	CLA	C4A-NA-C1A	7.68	110.16	106.71
33	6	608	CHL	CMD-C2D-C1D	7.68	138.25	124.71
33	9	307	CHL	C4D-CHA-C1A	-7.66	111.92	121.25
25	A	842	CLA	C4A-NA-C1A	7.64	110.14	106.71
33	T	607	CHL	C4D-CHA-C1A	-7.63	111.96	121.25
33	7	305	CHL	CMD-C2D-C1D	7.63	138.16	124.71
33	6	606	CHL	C4D-CHA-C1A	-7.62	111.97	121.25
25	8	308	CLA	C4A-NA-C1A	7.59	110.12	106.71
25	1	609	CLA	C4A-NA-C1A	7.58	110.12	106.71
33	Q	606	CHL	C4D-CHA-C1A	-7.58	112.02	121.25
33	1	601	CHL	C2C-C3C-C4C	-7.58	101.09	106.49
33	S	307	CHL	C4D-CHA-C1A	-7.58	112.03	121.25
33	S	308	CHL	C4D-CHA-C1A	-7.58	112.03	121.25
33	S	310	CHL	C4D-CHA-C1A	-7.54	112.08	121.25
33	4	306	CHL	C4D-CHA-C1A	-7.53	112.09	121.25
33	8	307	CHL	CMD-C2D-C1D	7.52	137.97	124.71
33	R	605	CHL	CMD-C2D-C1D	7.51	137.96	124.71
33	6	617	CHL	C4D-CHA-C1A	-7.51	112.11	121.25
25	B	803	CLA	C4A-NA-C1A	7.50	110.08	106.71
33	S	309	CHL	CMD-C2D-C1D	7.49	137.92	124.71
33	P	619	CHL	CMD-C2D-C1D	7.49	137.91	124.71
33	7	305	CHL	C4D-CHA-C1A	-7.49	112.14	121.25
33	T	606	CHL	C4D-CHA-C1A	-7.48	112.14	121.25
33	S	321	CHL	CMD-C2D-C1D	7.47	137.88	124.71
33	R	607	CHL	CMD-C2D-C1D	7.47	137.88	124.71
25	Q	604	CLA	C4A-NA-C1A	7.47	110.06	106.71
33	P	607	CHL	CMD-C2D-C1D	7.47	137.87	124.71

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	P	620	XAT	O24-C25-C24	7.46	118.99	113.38
33	Q	605	CHL	CMD-C2D-C1D	7.44	137.82	124.71
33	U	307	CHL	CMD-C2D-C1D	7.41	137.78	124.71
33	9	307	CHL	C2C-C3C-C4C	-7.41	101.21	106.49
33	T	601	CHL	C4D-CHA-C1A	-7.41	112.24	121.25
33	P	606	CHL	CMD-C2D-C1D	7.40	137.76	124.71
28	J	106	BCR	C20-C21-C22	-7.40	116.75	127.31
33	S	307	CHL	CMD-C2D-C1D	7.40	137.76	124.71
33	T	607	CHL	CMD-C2D-C1D	7.40	137.75	124.71
28	K	206	BCR	C16-C17-C18	-7.38	116.77	127.31
33	S	308	CHL	CMD-C2D-C1D	7.38	137.72	124.71
33	P	622	CHL	C4D-CHA-C1A	-7.38	112.27	121.25
33	4	305	CHL	C4D-CHA-C1A	-7.38	112.27	121.25
33	4	322	CHL	C4D-CHA-C1A	-7.37	112.27	121.25
33	U	307	CHL	C4D-CHA-C1A	-7.37	112.28	121.25
25	7	311	CLA	C4A-NA-C1A	7.36	110.02	106.71
25	6	613	CLA	C4A-NA-C1A	7.35	110.01	106.71
25	Q	603	CLA	C4A-NA-C1A	7.35	110.01	106.71
33	6	617	CHL	CMD-C2D-C1D	7.35	137.66	124.71
25	B	820	CLA	C4A-NA-C1A	7.35	110.01	106.71
33	4	305	CHL	CMD-C2D-C1D	7.35	137.66	124.71
33	P	606	CHL	C4D-CHA-C1A	-7.34	112.32	121.25
33	5	307	CHL	C2C-C3C-C4C	-7.34	101.26	106.49
25	A	811	CLA	C4A-NA-C1A	7.33	110.00	106.71
33	U	306	CHL	CMD-C2D-C1D	7.33	137.63	124.71
33	Q	601	CHL	C4D-CHA-C1A	-7.32	112.33	121.25
33	Q	607	CHL	C4D-CHA-C1A	-7.32	112.34	121.25
33	P	608	CHL	C4D-CHA-C1A	-7.32	112.34	121.25
33	P	608	CHL	CMD-C2D-C1D	7.32	137.60	124.71
33	Q	607	CHL	CMD-C2D-C1D	7.31	137.60	124.71
33	R	608	CHL	C4D-CHA-C1A	-7.31	112.35	121.25
35	Q	616	XAT	O24-C25-C24	7.31	118.87	113.38
33	T	605	CHL	C4D-CHA-C1A	-7.31	112.36	121.25
33	P	605	CHL	C2C-C3C-C4C	-7.30	101.28	106.49
33	R	608	CHL	CMD-C2D-C1D	7.30	137.58	124.71
25	9	309	CLA	C4A-NA-C1A	7.30	109.99	106.71
33	9	306	CHL	C4D-CHA-C1A	-7.30	112.37	121.25
33	R	601	CHL	C4D-CHA-C1A	-7.29	112.37	121.25
33	P	601	CHL	C4D-CHA-C1A	-7.29	112.37	121.25
25	7	310	CLA	C4A-NA-C1A	7.29	109.98	106.71
33	6	606	CHL	CMD-C2D-C1D	7.29	137.55	124.71
33	9	306	CHL	C2C-C3C-C4C	-7.28	101.30	106.49

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	313	CLA	C4A-NA-C1A	7.28	109.98	106.71
25	A	828	CLA	C4A-NA-C1A	7.27	109.97	106.71
25	2	304	CLA	C4A-NA-C1A	7.27	109.97	106.71
33	5	308	CHL	CMD-C2D-C1D	7.27	137.52	124.71
28	B	842	BCR	C24-C23-C22	-7.27	115.25	126.23
33	1	606	CHL	CMD-C2D-C1D	7.27	137.52	124.71
25	9	305	CLA	C4A-NA-C1A	7.26	109.97	106.71
28	O	205	BCR	C7-C8-C9	-7.26	115.26	126.23
33	T	604	CHL	CMD-C2D-C1D	7.26	137.51	124.71
33	T	605	CHL	CMD-C2D-C1D	7.26	137.51	124.71
33	T	606	CHL	CMD-C2D-C1D	7.26	137.50	124.71
33	a	305	CHL	CMD-C2D-C1D	7.25	137.49	124.71
25	2	306	CLA	C4A-NA-C1A	7.25	109.97	106.71
33	5	317	CHL	C4D-CHA-C1A	-7.24	112.44	121.25
33	U	308	CHL	CMD-C2D-C1D	7.24	137.47	124.71
25	K	204	CLA	C4A-NA-C1A	7.23	109.96	106.71
33	4	314	CHL	CMD-C2D-C1D	7.22	137.43	124.71
33	4	304	CHL	C4D-CHA-C1A	-7.21	112.48	121.25
33	R	606	CHL	C4D-CHA-C1A	-7.20	112.48	121.25
33	4	314	CHL	C4D-CHA-C1A	-7.19	112.50	121.25
25	2	312	CLA	C4A-NA-C1A	7.19	109.94	106.71
25	3	311	CLA	C4A-NA-C1A	7.19	109.94	106.71
25	6	623	CLA	C4A-NA-C1A	7.19	109.94	106.71
33	U	308	CHL	C4D-CHA-C1A	-7.19	112.50	121.25
33	Q	601	CHL	CMD-C2D-C1D	7.17	137.36	124.71
33	P	601	CHL	CMD-C2D-C1D	7.17	137.35	124.71
25	A	821	CLA	C4A-NA-C1A	7.17	109.93	106.71
25	T	603	CLA	C4A-NA-C1A	7.16	109.93	106.71
33	R	601	CHL	CMD-C2D-C1D	7.16	137.34	124.71
33	U	306	CHL	C4D-CHA-C1A	-7.15	112.54	121.25
33	5	308	CHL	C2C-C3C-C4C	-7.14	101.40	106.49
25	A	830	CLA	C4A-NA-C1A	7.14	109.92	106.71
25	8	312	CLA	C4A-NA-C1A	7.14	109.92	106.71
33	1	606	CHL	C4D-CHA-C1A	-7.13	112.57	121.25
33	Q	606	CHL	CMD-C2D-C1D	7.13	137.28	124.71
25	3	314	CLA	C4A-NA-C1A	7.13	109.91	106.71
25	B	802	CLA	C4A-NA-C1A	7.12	109.91	106.71
25	R	604	CLA	C4A-NA-C1A	7.12	109.91	106.71
33	U	305	CHL	CMD-C2D-C1D	7.12	137.26	124.71
25	A	822	CLA	C4A-NA-C1A	7.12	109.91	106.71
33	P	605	CHL	CMD-C2D-C1D	7.11	137.25	124.71
33	U	309	CHL	C4D-CHA-C1A	-7.11	112.60	121.25

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	P	604	CLA	C4A-NA-C1A	7.10	109.90	106.71
33	6	607	CHL	C4D-CHA-C1A	-7.09	112.62	121.25
25	A	839	CLA	C4A-NA-C1A	7.09	109.89	106.71
33	U	309	CHL	CMD-C2D-C1D	7.08	137.19	124.71
25	L	209	CLA	C4A-NA-C1A	7.08	109.89	106.71
33	7	305	CHL	C2C-C3C-C4C	-7.07	101.45	106.49
33	S	306	CHL	CMD-C2D-C1D	7.07	137.18	124.71
25	K	201	CLA	C4A-NA-C1A	7.06	109.88	106.71
25	P	603	CLA	C4A-NA-C1A	7.06	109.88	106.71
33	5	317	CHL	CMD-C2D-C1D	7.05	137.15	124.71
25	A	806	CLA	C4A-NA-C1A	7.04	109.87	106.71
25	S	320	CLA	C4A-NA-C1A	7.04	109.87	106.71
33	S	302	CHL	CMD-C2D-C1D	7.04	137.12	124.71
33	1	601	CHL	C4D-CHA-C1A	-7.04	112.68	121.25
25	B	818	CLA	C4A-NA-C1A	7.03	109.87	106.71
33	6	607	CHL	CMD-C2D-C1D	7.03	137.10	124.71
25	1	607	CLA	C4A-NA-C1A	7.02	109.86	106.71
33	T	601	CHL	CMD-C2D-C1D	7.02	137.09	124.71
25	L	202	CLA	C4A-NA-C1A	7.02	109.86	106.71
25	B	832	CLA	C4A-NA-C1A	7.02	109.86	106.71
25	6	616	CLA	C4A-NA-C1A	7.01	109.86	106.71
25	2	305	CLA	C4A-NA-C1A	6.99	109.85	106.71
33	5	317	CHL	C2C-C3C-C4C	-6.98	101.51	106.49
25	U	303	CLA	C4A-NA-C1A	6.98	109.84	106.71
25	A	837	CLA	C4A-NA-C1A	6.97	109.84	106.71
36	P	621	NEX	C38-C25-C26	-6.95	110.62	122.26
33	5	307	CHL	C4D-CHA-C1A	-6.95	112.80	121.25
25	A	829	CLA	C4A-NA-C1A	6.94	109.83	106.71
33	4	306	CHL	CMD-C2D-C1D	6.94	136.95	124.71
33	P	622	CHL	CMD-C2D-C1D	6.93	136.92	124.71
33	T	604	CHL	C2C-C3C-C4C	-6.92	101.55	106.49
25	U	304	CLA	C4A-NA-C1A	6.92	109.82	106.71
33	R	606	CHL	CMD-C2D-C1D	6.92	136.91	124.71
25	A	810	CLA	C4A-NA-C1A	6.91	109.81	106.71
25	3	303	CLA	C4A-NA-C1A	6.91	109.81	106.71
25	K	205	CLA	C4A-NA-C1A	6.91	109.81	106.71
25	B	816	CLA	C4A-NA-C1A	6.91	109.81	106.71
25	L	206	CLA	C4A-NA-C1A	6.91	109.81	106.71
33	9	307	CHL	CMD-C2D-C1D	6.90	136.88	124.71
33	U	305	CHL	C2C-C3C-C4C	-6.90	101.57	106.49
33	U	307	CHL	C2C-C3C-C4C	-6.90	101.57	106.49
25	5	303	CLA	C4A-NA-C1A	6.90	109.81	106.71

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	305	CLA	C4A-NA-C1A	6.90	109.81	106.71
25	3	301	CLA	C4A-NA-C1A	6.90	109.81	106.71
28	I	201	BCR	C20-C21-C22	-6.90	117.46	127.31
25	A	818	CLA	C4A-NA-C1A	6.89	109.80	106.71
25	B	831	CLA	C4A-NA-C1A	6.88	109.80	106.71
33	S	310	CHL	CMD-C2D-C1D	6.87	136.82	124.71
25	B	811	CLA	C4A-NA-C1A	6.87	109.79	106.71
25	B	834	CLA	C4A-NA-C1A	6.86	109.79	106.71
25	U	312	CLA	C4A-NA-C1A	6.85	109.79	106.71
25	A	802	CLA	C4A-NA-C1A	6.84	109.78	106.71
25	B	805	CLA	C4A-NA-C1A	6.82	109.77	106.71
33	4	304	CHL	C2C-C3C-C4C	-6.82	101.63	106.49
25	5	316	CLA	C4A-NA-C1A	6.82	109.77	106.71
25	H	202	CLA	C4A-NA-C1A	6.81	109.77	106.71
33	S	321	CHL	C2C-C3C-C4C	-6.81	101.64	106.49
33	a	305	CHL	C4D-CHA-C1A	-6.81	112.97	121.25
33	Q	605	CHL	C2C-C3C-C4C	-6.80	101.64	106.49
33	Q	606	CHL	C2C-C3C-C4C	-6.80	101.64	106.49
33	a	305	CHL	C2C-C3C-C4C	-6.80	101.64	106.49
25	R	613	CLA	C4A-NA-C1A	6.79	109.76	106.71
25	S	303	CLA	C4A-NA-C1A	6.79	109.76	106.71
33	R	606	CHL	C2C-C3C-C4C	-6.78	101.65	106.49
25	a	306	CLA	C4A-NA-C1A	6.77	109.75	106.71
25	B	819	CLA	C4A-NA-C1A	6.77	109.75	106.71
33	4	304	CHL	CMD-C2D-C1D	6.76	136.62	124.71
25	A	823	CLA	C4A-NA-C1A	6.76	109.74	106.71
25	A	833	CLA	C4A-NA-C1A	6.75	109.74	106.71
25	B	825	CLA	C4A-NA-C1A	6.75	109.74	106.71
25	P	613	CLA	C4A-NA-C1A	6.75	109.74	106.71
25	H	205	CLA	C4A-NA-C1A	6.75	109.74	106.71
25	3	320	CLA	C4A-NA-C1A	6.75	109.74	106.71
33	S	321	CHL	C4D-CHA-C1A	-6.74	113.04	121.25
25	8	313	CLA	C4A-NA-C1A	6.74	109.74	106.71
25	B	821	CLA	C4A-NA-C1A	6.73	109.73	106.71
25	8	315	CLA	C4A-NA-C1A	6.73	109.73	106.71
25	6	601	CLA	C4A-NA-C1A	6.72	109.73	106.71
36	R	617	NEX	C38-C25-C26	-6.72	110.99	122.26
28	3	319	BCR	C11-C10-C9	-6.72	117.71	127.31
25	B	814	CLA	C4A-NA-C1A	6.72	109.73	106.71
25	4	303	CLA	C4A-NA-C1A	6.72	109.73	106.71
28	B	841	BCR	C7-C8-C9	-6.71	116.09	126.23
25	S	314	CLA	C4A-NA-C1A	6.71	109.72	106.71

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	6	604	CLA	C4A-NA-C1A	6.69	109.72	106.71
25	1	614	CLA	C4A-NA-C1A	6.69	109.71	106.71
25	6	605	CLA	C4A-NA-C1A	6.69	109.71	106.71
25	S	304	CLA	C4A-NA-C1A	6.69	109.71	106.71
25	6	614	CLA	C4A-NA-C1A	6.69	109.71	106.71
25	4	301	CLA	C4A-NA-C1A	6.68	109.71	106.71
25	J	105	CLA	C4A-NA-C1A	6.68	109.71	106.71
36	U	301	NEX	C17-C1-C6	-6.68	104.50	110.47
25	9	310	CLA	C4A-NA-C1A	6.68	109.71	106.71
25	B	836	CLA	C4A-NA-C1A	6.66	109.70	106.71
33	8	307	CHL	C2C-C3C-C4C	-6.66	101.74	106.49
25	L	201	CLA	C4A-NA-C1A	6.66	109.70	106.71
33	U	306	CHL	C2C-C3C-C4C	-6.65	101.75	106.49
25	6	610	CLA	C4A-NA-C1A	6.65	109.69	106.71
25	A	832	CLA	C4A-NA-C1A	6.64	109.69	106.71
25	7	307	CLA	C4A-NA-C1A	6.64	109.69	106.71
25	B	804	CLA	C4A-NA-C1A	6.64	109.69	106.71
25	A	840	CLA	C4A-NA-C1A	6.63	109.69	106.71
25	B	813	CLA	C4A-NA-C1A	6.63	109.69	106.71
33	S	306	CHL	C4D-CHA-C1A	-6.62	113.19	121.25
25	J	103	CLA	C4A-NA-C1A	6.61	109.68	106.71
25	a	303	CLA	C4A-NA-C1A	6.61	109.68	106.71
25	G	201	CLA	C4A-NA-C1A	6.61	109.68	106.71
35	P	616	XAT	C18-C5-C6	-6.60	111.19	122.26
28	F	801	BCR	C24-C23-C22	-6.60	116.26	126.23
25	A	831	CLA	C4A-NA-C1A	6.60	109.67	106.71
36	U	316	NEX	C38-C25-C26	-6.60	111.20	122.26
25	A	816	CLA	C4A-NA-C1A	6.60	109.67	106.71
25	A	817	CLA	C4A-NA-C1A	6.59	109.67	106.71
25	a	313	CLA	C4A-NA-C1A	6.59	109.67	106.71
28	4	321	BCR	C24-C23-C22	-6.58	116.29	126.23
36	U	301	NEX	C35-C34-C33	-6.58	117.92	127.31
25	Q	612	CLA	C4A-NA-C1A	6.56	109.66	106.71
25	5	304	CLA	C4A-NA-C1A	6.56	109.65	106.71
25	a	310	CLA	C4A-NA-C1A	6.55	109.65	106.71
25	Q	610	CLA	C4A-NA-C1A	6.55	109.65	106.71
33	S	308	CHL	C2C-C3C-C4C	-6.54	101.83	106.49
36	U	301	NEX	C38-C25-C26	-6.54	111.30	122.26
33	S	310	CHL	C2C-C3C-C4C	-6.54	101.83	106.49
25	B	828	CLA	C4A-NA-C1A	6.54	109.64	106.71
25	A	805	CLA	C4A-NA-C1A	6.53	109.64	106.71
36	U	316	NEX	C35-C34-C33	-6.52	118.00	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	838	CLA	C4A-NA-C1A	6.52	109.64	106.71
33	T	601	CHL	C2C-C3C-C4C	-6.51	101.84	106.49
35	P	620	XAT	C38-C25-C26	-6.51	111.35	122.26
36	P	617	NEX	C38-C25-C26	-6.51	111.35	122.26
25	B	809	CLA	C4A-NA-C1A	6.51	109.63	106.71
25	P	611	CLA	CMD-C2D-C1D	6.51	136.18	124.71
33	T	605	CHL	C2C-C3C-C4C	-6.50	101.85	106.49
25	T	611	CLA	C4A-NA-C1A	6.50	109.63	106.71
25	9	308	CLA	C4A-NA-C1A	6.50	109.63	106.71
25	5	315	CLA	C4A-NA-C1A	6.50	109.63	106.71
25	8	309	CLA	C4A-NA-C1A	6.50	109.63	106.71
25	A	836	CLA	C4A-NA-C1A	6.49	109.62	106.71
25	A	809	CLA	C4A-NA-C1A	6.49	109.62	106.71
25	2	311	CLA	C4A-NA-C1A	6.48	109.62	106.71
25	5	312	CLA	C4A-NA-C1A	6.48	109.62	106.71
33	P	606	CHL	C2C-C3C-C4C	-6.47	101.88	106.49
25	O	203	CLA	C4A-NA-C1A	6.47	109.61	106.71
25	7	301	CLA	C4A-NA-C1A	6.46	109.61	106.71
25	U	313	CLA	C4A-NA-C1A	6.45	109.61	106.71
25	B	833	CLA	C4A-NA-C1A	6.45	109.61	106.71
25	S	312	CLA	C4A-NA-C1A	6.45	109.61	106.71
25	6	603	CLA	C4A-NA-C1A	6.45	109.61	106.71
33	S	309	CHL	C2C-C3C-C4C	-6.44	101.90	106.49
25	9	301	CLA	C4A-NA-C1A	6.44	109.60	106.71
36	U	301	NEX	C15-C14-C13	-6.43	118.13	127.31
25	8	306	CLA	C4A-NA-C1A	6.43	109.60	106.71
36	T	616	NEX	C38-C25-C26	-6.43	111.49	122.26
25	B	810	CLA	C4A-NA-C1A	6.42	109.59	106.71
25	3	310	CLA	C4A-NA-C1A	6.42	109.59	106.71
25	7	302	CLA	C4A-NA-C1A	6.42	109.59	106.71
25	K	202	CLA	C4A-NA-C1A	6.42	109.59	106.71
25	3	308	CLA	C4A-NA-C1A	6.42	109.59	106.71
36	T	616	NEX	C35-C34-C33	-6.42	118.15	127.31
25	B	829	CLA	C4A-NA-C1A	6.41	109.59	106.71
25	H	201	CLA	C4A-NA-C1A	6.41	109.59	106.71
33	P	601	CHL	C2C-C3C-C4C	-6.41	101.92	106.49
33	R	601	CHL	C2C-C3C-C4C	-6.41	101.92	106.49
25	6	609	CLA	C4A-NA-C1A	6.41	109.59	106.71
25	8	314	CLA	C4A-NA-C1A	6.41	109.59	106.71
25	S	305	CLA	C4A-NA-C1A	6.40	109.58	106.71
25	7	308	CLA	C4A-NA-C1A	6.40	109.58	106.71
33	Q	607	CHL	C2C-C3C-C4C	-6.40	101.93	106.49

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	T	607	CHL	C2C-C3C-C4C	-6.40	101.93	106.49
25	4	312	CLA	C4A-NA-C1A	6.40	109.58	106.71
25	O	201	CLA	C4A-NA-C1A	6.39	109.58	106.71
25	A	813	CLA	C4A-NA-C1A	6.39	109.58	106.71
25	2	310	CLA	C4A-NA-C1A	6.39	109.58	106.71
25	5	306	CLA	C4A-NA-C1A	6.39	109.58	106.71
25	2	302	CLA	C4A-NA-C1A	6.39	109.58	106.71
28	I	201	BCR	C24-C23-C22	-6.39	116.58	126.23
25	B	827	CLA	C4A-NA-C1A	6.39	109.58	106.71
25	3	305	CLA	C4A-NA-C1A	6.39	109.58	106.71
33	U	308	CHL	C2C-C3C-C4C	-6.39	101.94	106.49
33	Q	601	CHL	C2C-C3C-C4C	-6.38	101.94	106.49
35	T	615	XAT	C38-C25-C26	-6.38	111.56	122.26
33	R	608	CHL	C2C-C3C-C4C	-6.38	101.94	106.49
28	5	323	BCR	C23-C22-C21	-6.38	109.15	118.94
33	U	309	CHL	C2C-C3C-C4C	-6.37	101.94	106.49
25	1	611	CLA	C4A-NA-C1A	6.37	109.57	106.71
25	8	303	CLA	C4A-NA-C1A	6.37	109.57	106.71
35	S	318	XAT	O4-C5-C4	6.37	118.17	113.38
33	P	607	CHL	C2C-C3C-C4C	-6.37	101.95	106.49
25	S	313	CLA	C4A-NA-C1A	6.37	109.57	106.71
36	P	617	NEX	C35-C34-C33	-6.36	118.23	127.31
33	P	608	CHL	C2C-C3C-C4C	-6.36	101.95	106.49
35	T	615	XAT	C18-C5-C6	-6.36	111.60	122.26
25	T	608	CLA	C4A-NA-C1A	6.36	109.56	106.71
25	6	615	CLA	C4A-NA-C1A	6.36	109.56	106.71
25	8	310	CLA	C4A-NA-C1A	6.36	109.56	106.71
33	9	306	CHL	CHD-C4C-C3C	-6.35	115.50	124.84
25	T	610	CLA	C4A-NA-C1A	6.35	109.56	106.71
33	P	619	CHL	C2C-C3C-C4C	-6.35	101.96	106.49
25	R	614	CLA	C4A-NA-C1A	6.35	109.56	106.71
28	B	851	BCR	C16-C17-C18	-6.35	118.25	127.31
25	H	203	CLA	C4A-NA-C1A	6.35	109.56	106.71
36	P	621	NEX	O24-C25-C24	6.35	118.15	113.38
33	S	306	CHL	C2C-C3C-C4C	-6.34	101.97	106.49
35	P	620	XAT	C18-C5-C6	-6.34	111.64	122.26
25	A	820	CLA	C4A-NA-C1A	6.33	109.55	106.71
25	4	313	CLA	C4A-NA-C1A	6.33	109.55	106.71
34	a	316	LUT	C15-C14-C13	-6.33	118.27	127.31
35	Q	616	XAT	C38-C25-C26	-6.33	111.65	122.26
25	4	302	CLA	C4A-NA-C1A	6.33	109.55	106.71
35	P	623	XAT	C31-C30-C29	-6.33	118.28	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	T	606	CHL	C2C-C3C-C4C	-6.33	101.98	106.49
25	3	313	CLA	C4A-NA-C1A	6.33	109.55	106.71
33	4	314	CHL	C2C-C3C-C4C	-6.32	101.98	106.49
35	P	623	XAT	C18-C5-C6	-6.32	111.66	122.26
35	S	318	XAT	C38-C25-C26	-6.32	111.67	122.26
33	R	607	CHL	C2C-C3C-C4C	-6.32	101.99	106.49
25	B	806	CLA	C4A-NA-C1A	6.31	109.55	106.71
28	O	204	BCR	C3-C4-C5	-6.31	102.81	114.08
25	8	304	CLA	C4A-NA-C1A	6.31	109.54	106.71
28	O	205	BCR	C11-C10-C9	-6.30	118.31	127.31
25	9	304	CLA	C4A-NA-C1A	6.30	109.54	106.71
36	P	617	NEX	C15-C14-C13	-6.29	118.34	127.31
35	P	616	XAT	C38-C25-C26	-6.29	111.72	122.26
33	1	606	CHL	C2C-C3C-C4C	-6.29	102.01	106.49
28	3	318	BCR	C20-C21-C22	-6.28	118.35	127.31
33	P	622	CHL	OMC-CMC-C2C	-6.28	111.49	125.69
25	4	308	CLA	C4A-NA-C1A	6.27	109.53	106.71
25	A	807	CLA	C4A-NA-C1A	6.27	109.53	106.71
25	3	304	CLA	C4A-NA-C1A	6.27	109.53	106.71
25	A	808	CLA	C4A-NA-C1A	6.27	109.52	106.71
25	B	817	CLA	C4A-NA-C1A	6.26	109.52	106.71
35	Q	616	XAT	C18-C5-C6	-6.26	111.77	122.26
25	a	307	CLA	C4A-NA-C1A	6.26	109.52	106.71
25	L	205	CLA	C4A-NA-C1A	6.25	109.52	106.71
25	1	605	CLA	C4A-NA-C1A	6.24	109.51	106.71
36	R	617	NEX	C35-C34-C33	-6.24	118.41	127.31
35	S	318	XAT	C18-C5-C6	-6.23	111.81	122.26
25	G	202	CLA	C4A-NA-C1A	6.23	109.51	106.71
25	9	302	CLA	C4A-NA-C1A	6.23	109.51	106.71
25	R	603	CLA	C4A-NA-C1A	6.23	109.51	106.71
25	7	306	CLA	C4A-NA-C1A	6.23	109.51	106.71
33	6	617	CHL	C2C-C3C-C4C	-6.23	102.05	106.49
25	3	302	CLA	C4A-NA-C1A	6.23	109.51	106.71
25	7	313	CLA	C4A-NA-C1A	6.23	109.51	106.71
25	3	307	CLA	C4A-NA-C1A	6.22	109.50	106.71
33	6	606	CHL	C2C-C3C-C4C	-6.21	102.06	106.49
33	3	306	CHL	C2C-C3C-C4C	-6.21	102.06	106.49
25	2	307	CLA	C4A-NA-C1A	6.21	109.50	106.71
25	B	849	CLA	C4A-NA-C1A	6.20	109.49	106.71
25	S	315	CLA	C4A-NA-C1A	6.20	109.49	106.71
36	U	316	NEX	C15-C14-C13	-6.20	118.47	127.31
36	R	617	NEX	C15-C14-C13	-6.19	118.48	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	3	318	BCR	C11-C10-C9	-6.19	118.48	127.31
25	B	826	CLA	C4A-NA-C1A	6.19	109.49	106.71
25	A	815	CLA	C4A-NA-C1A	6.18	109.49	106.71
33	4	305	CHL	C2C-C3C-C4C	-6.18	102.08	106.49
25	T	612	CLA	C4A-NA-C1A	6.18	109.48	106.71
25	1	602	CLA	C4A-NA-C1A	6.18	109.48	106.71
25	5	319	CLA	C4A-NA-C1A	6.17	109.48	106.71
35	P	623	XAT	C38-C25-C26	-6.14	111.97	122.26
35	P	616	XAT	C31-C30-C29	-6.14	118.55	127.31
36	P	621	NEX	C15-C14-C13	-6.13	118.57	127.31
25	4	310	CLA	C4A-NA-C1A	6.12	109.46	106.71
36	T	616	NEX	C15-C14-C13	-6.11	118.59	127.31
33	6	608	CHL	CHD-C4C-C3C	-6.11	115.86	124.84
25	B	838	CLA	C4A-NA-C1A	6.11	109.45	106.71
33	S	302	CHL	CHD-C4C-C3C	-6.10	115.87	124.84
25	3	312	CLA	C4A-NA-C1A	6.09	109.44	106.71
25	2	308	CLA	C4A-NA-C1A	6.09	109.44	106.71
25	A	814	CLA	C4A-NA-C1A	6.09	109.44	106.71
25	5	302	CLA	C4A-NA-C1A	6.09	109.44	106.71
25	a	302	CLA	C4A-NA-C1A	6.09	109.44	106.71
25	Q	609	CLA	C4A-NA-C1A	6.08	109.44	106.71
25	8	305	CLA	C4A-NA-C1A	6.08	109.44	106.71
25	A	804	CLA	C4A-NA-C1A	6.07	109.44	106.71
25	A	824	CLA	C4A-NA-C1A	6.07	109.43	106.71
28	I	201	BCR	C16-C17-C18	-6.06	118.66	127.31
34	1	617	LUT	C15-C14-C13	-6.06	118.66	127.31
33	3	306	CHL	CHD-C4C-C3C	-6.06	115.93	124.84
25	U	310	CLA	C4A-NA-C1A	6.05	109.43	106.71
25	a	301	CLA	C4A-NA-C1A	6.05	109.42	106.71
35	P	620	XAT	C31-C30-C29	-6.04	118.69	127.31
33	R	605	CHL	C2C-C3C-C4C	-6.03	102.19	106.49
25	A	819	CLA	C4A-NA-C1A	6.03	109.42	106.71
25	P	610	CLA	C4A-NA-C1A	6.02	109.41	106.71
28	4	321	BCR	C11-C10-C9	-6.02	118.72	127.31
28	L	204	BCR	C7-C8-C9	-6.01	117.15	126.23
28	L	203	BCR	C3-C4-C5	-6.01	103.35	114.08
33	S	307	CHL	O2D-CGD-CBD	6.01	121.94	111.27
25	1	604	CLA	C4A-NA-C1A	6.01	109.41	106.71
25	2	313	CLA	C4A-NA-C1A	6.01	109.41	106.71
25	2	314	CLA	C4A-NA-C1A	6.01	109.41	106.71
28	4	317	BCR	C15-C14-C13	-6.00	118.75	127.31
25	5	309	CLA	C4A-NA-C1A	6.00	109.40	106.71

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	835	CLA	C4A-NA-C1A	5.99	109.40	106.71
25	B	824	CLA	C4A-NA-C1A	5.99	109.40	106.71
33	1	601	CHL	CHD-C4C-C3C	-5.99	116.04	124.84
25	A	803	CLA	C4A-NA-C1A	5.98	109.40	106.71
25	B	808	CLA	C4A-NA-C1A	5.98	109.40	106.71
28	O	204	BCR	C28-C27-C26	-5.98	103.41	114.08
25	O	202	CLA	C4A-NA-C1A	5.97	109.39	106.71
25	A	853	CLA	C4A-NA-C1A	5.97	109.39	106.71
36	P	621	NEX	C35-C34-C33	-5.97	118.79	127.31
25	5	314	CLA	C4A-NA-C1A	5.97	109.39	106.71
25	6	620	CLA	C4A-NA-C1A	5.96	109.39	106.71
25	K	203	CLA	C4A-NA-C1A	5.96	109.39	106.71
33	5	308	CHL	CHD-C4C-C3C	-5.95	116.09	124.84
33	5	317	CHL	CHD-C4C-C3C	-5.95	116.09	124.84
28	6	621	BCR	C11-C10-C9	-5.95	118.82	127.31
25	5	311	CLA	C4A-NA-C1A	5.95	109.38	106.71
33	4	322	CHL	O2D-CGD-CBD	5.94	121.82	111.27
25	A	812	CLA	C4A-NA-C1A	5.93	109.37	106.71
33	S	307	CHL	C2C-C3C-C4C	-5.93	102.26	106.49
25	4	310	CLA	CAA-C2A-C3A	-5.93	96.55	112.78
25	B	812	CLA	C4A-NA-C1A	5.93	109.37	106.71
28	3	318	BCR	C7-C8-C9	-5.92	117.29	126.23
25	5	324	CLA	C4A-NA-C1A	5.91	109.36	106.71
25	6	612	CLA	C4A-NA-C1A	5.90	109.36	106.71
25	Q	613	CLA	C4A-NA-C1A	5.90	109.36	106.71
35	T	615	XAT	C31-C30-C29	-5.90	118.89	127.31
25	9	303	CLA	C4A-NA-C1A	5.89	109.35	106.71
25	4	307	CLA	C4A-NA-C1A	5.87	109.34	106.71
25	a	304	CLA	C4A-NA-C1A	5.87	109.34	106.71
33	S	321	CHL	O2D-CGD-CBD	5.86	121.68	111.27
33	1	601	CHL	O2D-CGD-CBD	5.86	121.68	111.27
25	R	611	CLA	C4A-NA-C1A	5.85	109.34	106.71
25	U	302	CLA	C4A-NA-C1A	5.85	109.34	106.71
25	a	303	CLA	C6-C7-C8	-5.85	97.03	115.92
25	7	312	CLA	C4A-NA-C1A	5.84	109.33	106.71
25	F	802	CLA	C4A-NA-C1A	5.82	109.32	106.71
25	B	835	CLA	C4A-NA-C1A	5.81	109.32	106.71
25	7	304	CLA	C4A-NA-C1A	5.81	109.32	106.71
33	6	606	CHL	CHD-C4C-C3C	-5.80	116.32	124.84
25	2	303	CLA	C4A-NA-C1A	5.79	109.31	106.71
33	4	322	CHL	CHD-C4C-C3C	-5.79	116.34	124.84
25	T	609	CLA	C4A-NA-C1A	5.79	109.31	106.71

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	6	607	CHL	CHD-C4C-C3C	-5.78	116.34	124.84
25	R	610	CLA	C4A-NA-C1A	5.78	109.30	106.71
25	5	310	CLA	C4A-NA-C1A	5.78	109.30	106.71
25	Q	611	CLA	C4A-NA-C1A	5.77	109.30	106.71
25	B	830	CLA	C4A-NA-C1A	5.76	109.30	106.71
25	B	822	CLA	C4A-NA-C1A	5.74	109.29	106.71
28	F	801	BCR	C20-C21-C22	-5.74	119.12	127.31
28	F	803	BCR	C11-C10-C9	-5.73	119.14	127.31
25	8	311	CLA	C4A-NA-C1A	5.73	109.28	106.71
25	8	302	CLA	C4A-NA-C1A	5.72	109.28	106.71
25	A	851	CLA	C4A-NA-C1A	5.72	109.28	106.71
25	1	603	CLA	C4A-NA-C1A	5.71	109.28	106.71
33	S	309	CHL	CHD-C4C-C3C	-5.71	116.44	124.84
28	B	841	BCR	C3-C4-C5	-5.69	103.92	114.08
25	S	301	CLA	C4A-NA-C1A	5.69	109.26	106.71
25	P	602	CLA	C4A-NA-C1A	5.68	109.26	106.71
25	a	309	CLA	C4A-NA-C1A	5.68	109.26	106.71
33	4	322	CHL	CMD-C2D-C1D	5.68	134.72	124.71
25	H	205	CLA	CAA-C2A-C3A	-5.68	100.07	114.26
33	4	306	CHL	CHD-C4C-C3C	-5.67	116.51	124.84
25	9	311	CLA	C4A-NA-C1A	5.67	109.25	106.71
33	U	309	CHL	O2D-CGD-CBD	5.66	121.32	111.27
28	3	318	BCR	C19-C18-C17	5.65	127.62	118.94
25	Q	618	CLA	C4A-NA-C1A	5.65	109.25	106.71
33	5	317	CHL	C2A-C1A-CHA	-5.64	114.00	123.86
33	S	308	CHL	CHD-C4C-C3C	-5.63	116.57	124.84
28	F	801	BCR	C16-C17-C18	-5.62	119.29	127.31
25	2	309	CLA	C4A-NA-C1A	5.61	109.23	106.71
33	4	306	CHL	C2C-C3C-C4C	-5.61	102.49	106.49
25	3	309	CLA	C4A-NA-C1A	5.61	109.23	106.71
33	6	608	CHL	C2A-C1A-CHA	-5.60	114.06	123.86
25	6	611	CLA	C4A-NA-C1A	5.60	109.22	106.71
28	7	316	BCR	C28-C27-C26	-5.60	104.08	114.08
28	L	207	BCR	C38-C26-C25	-5.60	118.24	124.53
25	1	608	CLA	C4A-NA-C1A	5.60	109.22	106.71
28	3	319	BCR	C7-C8-C9	-5.59	117.78	126.23
25	A	825	CLA	C4A-NA-C1A	5.58	109.21	106.71
25	a	312	CLA	C4A-NA-C1A	5.57	109.21	106.71
25	R	602	CLA	C4A-NA-C1A	5.57	109.21	106.71
25	B	801	CLA	C4A-NA-C1A	5.55	109.20	106.71
25	S	311	CLA	C4A-NA-C1A	5.55	109.20	106.71
33	P	605	CHL	CHD-C4C-C3C	-5.53	116.71	124.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	6	621	BCR	C38-C26-C25	-5.52	118.33	124.53
28	8	318	BCR	C15-C14-C13	-5.51	119.44	127.31
28	J	101	BCR	C38-C26-C25	-5.51	118.34	124.53
25	7	303	CLA	C4A-NA-C1A	5.51	109.18	106.71
25	1	613	CLA	C4A-NA-C1A	5.50	109.18	106.71
25	T	602	CLA	C4A-NA-C1A	5.50	109.18	106.71
33	5	317	CHL	O2D-CGD-CBD	5.50	121.03	111.27
33	S	321	CHL	CHD-C4C-C3C	-5.49	116.77	124.84
36	R	617	NEX	C11-C10-C9	-5.49	119.48	127.31
33	7	305	CHL	CHD-C4C-C3C	-5.49	116.78	124.84
36	U	301	NEX	C11-C10-C9	-5.48	119.49	127.31
33	4	304	CHL	CHD-C4C-C3C	-5.48	116.79	124.84
25	A	826	CLA	C4A-NA-C1A	5.47	109.17	106.71
25	Q	602	CLA	C4A-NA-C1A	5.47	109.17	106.71
28	5	323	BCR	C20-C21-C22	5.47	135.12	127.31
28	B	845	BCR	C20-C21-C22	-5.47	119.50	127.31
34	6	619	LUT	C35-C34-C33	-5.47	119.51	127.31
34	1	617	LUT	C31-C30-C29	-5.46	119.52	127.31
35	S	318	XAT	C11-C10-C9	-5.46	119.52	127.31
33	T	604	CHL	CHD-C4C-C3C	-5.46	116.82	124.84
35	Q	616	XAT	C27-C28-C29	-5.45	117.07	125.53
33	U	306	CHL	CHD-C4C-C3C	-5.45	116.83	124.84
25	B	815	CLA	C4A-NA-C1A	5.44	109.15	106.71
33	P	606	CHL	CHD-C4C-C3C	-5.43	116.85	124.84
34	a	316	LUT	C31-C30-C29	-5.43	119.56	127.31
33	P	619	CHL	O2D-CGD-CBD	5.43	120.92	111.27
33	P	622	CHL	C1D-ND-C4D	5.42	110.19	106.33
33	T	605	CHL	CHD-C4C-C3C	-5.42	116.88	124.84
35	Q	616	XAT	C31-C30-C29	-5.41	119.58	127.31
28	O	204	BCR	C24-C23-C22	-5.41	118.06	126.23
28	B	845	BCR	C24-C23-C22	-5.41	118.06	126.23
25	7	309	CLA	C4A-NA-C1A	5.41	109.14	106.71
33	P	607	CHL	O2D-CGD-CBD	5.40	120.87	111.27
33	Q	605	CHL	CHD-C4C-C3C	-5.40	116.91	124.84
25	4	309	CLA	C4A-NA-C1A	5.40	109.13	106.71
33	R	607	CHL	O2D-CGD-CBD	5.40	120.86	111.27
33	9	306	CHL	C2A-C1A-CHA	-5.39	114.44	123.85
28	3	317	BCR	C16-C17-C18	-5.39	119.62	127.31
35	P	623	XAT	C27-C28-C29	-5.38	117.18	125.53
28	G	203	BCR	C24-C23-C22	-5.37	118.13	126.23
28	4	317	BCR	C31-C1-C6	-5.36	101.60	110.30
28	B	840	BCR	C16-C17-C18	-5.34	119.69	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	Q	616	XAT	C15-C14-C13	-5.34	119.69	127.31
28	4	321	BCR	C30-C25-C26	-5.34	115.10	122.61
25	A	827	CLA	C4A-NA-C1A	5.33	109.10	106.71
33	Q	606	CHL	C2A-C1A-CHA	-5.33	114.55	123.86
33	S	310	CHL	C2A-C1A-CHA	-5.32	114.55	123.86
28	K	206	BCR	C28-C27-C26	-5.32	104.57	114.08
33	U	307	CHL	CHD-C4C-C3C	-5.32	117.02	124.84
25	U	311	CLA	C4A-NA-C1A	5.32	109.10	106.71
28	4	317	BCR	C28-C27-C26	-5.30	104.61	114.08
33	U	305	CHL	CHD-C4C-C3C	-5.30	117.05	124.84
25	B	823	CLA	C4A-NA-C1A	5.30	109.09	106.71
34	2	315	LUT	C35-C34-C33	-5.29	119.76	127.31
28	3	317	BCR	C28-C27-C26	-5.29	104.63	114.08
33	S	306	CHL	C1D-ND-C4D	5.28	110.09	106.33
33	6	617	CHL	C2A-C1A-CHA	-5.26	114.67	123.86
33	S	310	CHL	CHD-C4C-C3C	-5.25	117.12	124.84
35	T	615	XAT	C35-C34-C33	-5.25	119.81	127.31
33	R	606	CHL	CHD-C4C-C3C	-5.25	117.12	124.84
36	U	301	NEX	C27-C28-C29	-5.25	117.39	125.53
33	U	308	CHL	CHD-C4C-C3C	-5.24	117.13	124.84
34	R	615	LUT	C35-C34-C33	-5.23	119.84	127.31
33	Q	606	CHL	CHD-C4C-C3C	-5.23	117.15	124.84
28	5	320	BCR	C3-C4-C5	-5.23	104.74	114.08
33	T	606	CHL	CHD-C4C-C3C	-5.22	117.16	124.84
28	6	621	BCR	C1-C6-C5	-5.21	115.28	122.61
25	a	303	CLA	C1-O2A-CGA	5.21	130.11	116.44
25	R	611	CLA	C6-C5-C3	5.21	127.11	113.45
33	5	307	CHL	CHD-C4C-C3C	-5.20	117.19	124.84
33	6	617	CHL	CHD-C4C-C3C	-5.20	117.20	124.84
33	8	307	CHL	CHD-C4C-C3C	-5.20	117.20	124.84
28	G	203	BCR	C16-C17-C18	-5.19	119.90	127.31
36	T	616	NEX	C11-C10-C9	-5.18	119.92	127.31
33	P	619	CHL	CHD-C4C-C3C	-5.18	117.23	124.84
33	T	601	CHL	C1D-ND-C4D	5.18	110.01	106.33
36	U	316	NEX	C11-C10-C9	-5.18	119.92	127.31
33	P	607	CHL	CHD-C4C-C3C	-5.17	117.23	124.84
35	P	616	XAT	C27-C28-C29	-5.17	117.51	125.53
33	T	605	CHL	C2A-C1A-CHA	-5.17	114.82	123.86
28	J	106	BCR	C28-C27-C26	-5.16	104.86	114.08
33	9	307	CHL	CHD-C4C-C3C	-5.16	117.26	124.84
36	P	617	NEX	C11-C10-C9	-5.15	119.96	127.31
28	A	854	BCR	C24-C23-C22	-5.14	118.47	126.23

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	A	848	BCR	C11-C10-C9	-5.14	119.97	127.31
28	G	203	BCR	C20-C21-C22	-5.14	119.97	127.31
33	1	601	CHL	C2A-C1A-CHA	-5.14	114.87	123.86
35	P	620	XAT	C27-C28-C29	-5.14	117.56	125.53
28	A	845	BCR	C28-C27-C26	-5.14	104.90	114.08
27	A	852	LHG	O7-C7-C8	5.14	122.57	111.50
28	A	849	BCR	C20-C21-C22	-5.14	119.98	127.31
33	R	608	CHL	CHD-C4C-C3C	-5.12	117.31	124.84
33	P	607	CHL	C2A-C1A-CHA	-5.12	114.90	123.86
33	U	309	CHL	C1B-CHB-C4A	-5.12	119.97	130.12
33	R	607	CHL	CHD-C4C-C3C	-5.12	117.31	124.84
33	P	619	CHL	C2A-C1A-CHA	-5.12	114.91	123.86
33	R	607	CHL	C2A-C1A-CHA	-5.12	114.91	123.86
33	P	606	CHL	C2A-C1A-CHA	-5.11	114.92	123.86
36	P	617	NEX	C27-C28-C29	-5.11	117.60	125.53
28	B	844	BCR	C24-C23-C22	-5.10	118.53	126.23
34	a	314	LUT	C35-C34-C33	-5.10	120.03	127.31
33	P	608	CHL	CHD-C4C-C3C	-5.10	117.34	124.84
33	Q	607	CHL	CHD-C4C-C3C	-5.10	117.35	124.84
33	U	307	CHL	C2A-C1A-CHA	-5.10	114.95	123.86
33	R	606	CHL	O2D-CGD-CBD	5.09	120.31	111.27
33	S	321	CHL	C2A-C1A-CHA	-5.08	114.97	123.86
25	1	610	CLA	C4A-NA-C1A	5.08	108.99	106.71
35	P	623	XAT	O24-C25-C38	5.07	121.14	115.06
28	A	846	BCR	C16-C17-C18	-5.07	120.07	127.31
28	B	842	BCR	C16-C17-C18	-5.07	120.07	127.31
28	O	204	BCR	C20-C21-C22	-5.07	120.07	127.31
33	1	601	CHL	CMD-C2D-C1D	5.07	133.65	124.71
33	8	307	CHL	C2A-C1A-CHA	-5.07	115.00	123.86
34	a	316	LUT	C35-C34-C33	-5.06	120.09	127.31
35	P	616	XAT	C15-C14-C13	-5.05	120.10	127.31
33	8	307	CHL	OBD-CAD-C3D	-5.05	116.36	128.52
33	Q	606	CHL	O2D-CGD-CBD	5.05	120.24	111.27
28	3	317	BCR	C3-C4-C5	-5.05	105.06	114.08
33	4	314	CHL	CHD-C4C-C3C	-5.04	117.43	124.84
28	L	204	BCR	C16-C17-C18	-5.03	120.14	127.31
28	3	319	BCR	C12-C13-C14	5.02	126.65	118.94
33	P	606	CHL	O2D-CGD-CBD	5.01	120.17	111.27
28	3	318	BCR	C24-C23-C22	-5.00	118.67	126.23
33	P	605	CHL	C2A-C1A-CHA	-5.00	115.11	123.86
33	U	309	CHL	C1D-ND-C4D	5.00	109.88	106.33
33	S	309	CHL	C2A-C1A-CHA	-4.99	115.13	123.86

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	P	622	CHL	O2D-CGD-CBD	4.99	120.13	111.27
33	T	607	CHL	O2D-CGD-CBD	4.98	120.13	111.27
35	P	620	XAT	C35-C34-C33	-4.98	120.20	127.31
35	P	616	XAT	C35-C34-C33	-4.98	120.20	127.31
33	4	322	CHL	C2A-C1A-CHA	-4.97	115.16	123.86
33	7	305	CHL	C2A-C1A-CHA	-4.97	115.16	123.86
33	T	601	CHL	O2D-CGD-CBD	4.97	120.09	111.27
36	T	616	NEX	C27-C28-C29	-4.96	117.83	125.53
28	B	840	BCR	C11-C10-C9	-4.96	120.23	127.31
33	a	305	CHL	CHD-C4C-C3C	-4.96	117.55	124.84
33	T	607	CHL	C1D-ND-C4D	4.95	109.85	106.33
33	U	306	CHL	C2A-C1A-CHA	-4.95	115.21	123.86
28	B	845	BCR	C16-C17-C18	-4.95	120.25	127.31
28	L	204	BCR	C33-C5-C6	-4.94	118.98	124.53
34	Q	614	LUT	C7-C8-C9	-4.93	118.78	126.23
28	5	323	BCR	C19-C18-C17	4.93	126.50	118.94
28	A	849	BCR	C7-C8-C9	-4.92	118.81	126.23
25	A	801	CLA	C4A-NA-C1A	4.92	108.92	106.71
35	T	615	XAT	C15-C14-C13	-4.91	120.30	127.31
33	T	607	CHL	C1B-CHB-C4A	-4.91	120.40	130.12
28	4	321	BCR	C33-C5-C6	-4.90	119.02	124.53
34	1	615	LUT	C35-C34-C33	-4.90	120.32	127.31
28	B	844	BCR	C15-C14-C13	-4.90	120.32	127.31
33	T	605	CHL	O2D-CGD-CBD	4.90	119.97	111.27
35	P	623	XAT	C35-C34-C33	-4.89	120.33	127.31
33	1	606	CHL	CHD-C4C-C3C	-4.89	117.65	124.84
33	S	310	CHL	O2D-CGD-CBD	4.89	119.96	111.27
33	S	308	CHL	C2A-C1A-CHA	-4.89	115.31	123.86
33	R	605	CHL	CHD-C4C-C3C	-4.88	117.66	124.84
33	P	601	CHL	C1D-ND-C4D	4.88	109.80	106.33
34	4	315	LUT	C35-C34-C33	-4.88	120.34	127.31
33	5	308	CHL	C2A-C1A-CHA	-4.88	115.33	123.86
34	P	614	LUT	C35-C34-C33	-4.87	120.35	127.31
33	P	601	CHL	O2D-CGD-CBD	4.87	119.93	111.27
33	U	307	CHL	O2D-CGD-CBD	4.87	119.93	111.27
33	4	305	CHL	O2D-CGD-CBD	4.87	119.93	111.27
33	4	314	CHL	O2D-CGD-CBD	4.87	119.92	111.27
33	Q	601	CHL	C1D-ND-C4D	4.86	109.79	106.33
33	R	601	CHL	O2D-CGD-CBD	4.86	119.91	111.27
28	K	206	BCR	C16-C15-C14	-4.86	113.51	123.47
36	P	621	NEX	O24-C25-C38	4.86	120.88	115.06
35	T	615	XAT	C27-C28-C29	-4.86	117.99	125.53

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	3	318	BCR	C20-C19-C18	-4.86	112.77	126.42
33	6	606	CHL	C2A-C1A-CHA	-4.85	115.37	123.86
33	Q	601	CHL	O2D-CGD-CBD	4.85	119.88	111.27
28	A	848	BCR	C16-C17-C18	-4.84	120.40	127.31
33	T	606	CHL	C2A-C1A-CHA	-4.84	115.40	123.86
33	R	601	CHL	C1D-ND-C4D	4.83	109.76	106.33
28	L	208	BCR	C15-C14-C13	-4.82	120.43	127.31
34	T	613	LUT	C35-C34-C33	-4.82	120.43	127.31
33	3	306	CHL	C2A-C1A-CHA	-4.82	115.43	123.86
35	P	623	XAT	C15-C14-C13	-4.82	120.43	127.31
34	S	317	LUT	C31-C30-C29	-4.81	120.44	127.31
28	J	101	BCR	C3-C4-C5	-4.81	105.48	114.08
34	Q	614	LUT	C35-C34-C33	-4.79	120.48	127.31
33	R	606	CHL	C2A-C1A-CHA	-4.78	115.50	123.86
28	L	204	BCR	C38-C26-C25	-4.78	119.16	124.53
33	Q	607	CHL	C2A-C1A-CHA	-4.77	115.51	123.86
33	6	617	CHL	O2D-CGD-CBD	4.77	119.74	111.27
32	1	619	LMG	O7-C10-C11	4.77	121.77	111.50
33	P	608	CHL	C2A-C1A-CHA	-4.77	115.53	123.86
28	L	203	BCR	C15-C16-C17	-4.77	113.71	123.47
33	6	608	CHL	O2D-CGD-CBD	4.77	119.74	111.27
35	P	620	XAT	C15-C14-C13	-4.76	120.51	127.31
33	R	608	CHL	C2A-C1A-CHA	-4.76	115.53	123.86
33	S	306	CHL	CHD-C4C-C3C	-4.76	117.84	124.84
33	S	307	CHL	CHD-C4C-C3C	-4.76	117.84	124.84
33	S	308	CHL	O2D-CGD-CBD	4.75	119.71	111.27
33	R	605	CHL	O2D-CGD-CBD	4.75	119.71	111.27
34	T	613	LUT	C7-C8-C9	-4.75	119.06	126.23
35	S	318	XAT	C15-C14-C13	-4.75	120.54	127.31
33	U	309	CHL	CED-O2D-CGD	4.74	126.66	115.94
28	4	321	BCR	C15-C14-C13	-4.73	120.56	127.31
28	8	318	BCR	C28-C27-C26	-4.73	105.64	114.08
33	U	306	CHL	O2D-CGD-CBD	4.73	119.67	111.27
28	A	847	BCR	C16-C17-C18	-4.73	120.56	127.31
33	6	607	CHL	C2A-C1A-CHA	-4.72	115.60	123.86
28	3	317	BCR	C33-C5-C6	-4.72	119.23	124.53
33	4	314	CHL	C2A-C1A-CHA	-4.72	115.61	123.86
32	7	319	LMG	O7-C10-C11	4.71	121.66	111.50
33	4	305	CHL	C1D-ND-C4D	4.71	109.68	106.33
36	U	316	NEX	C27-C28-C29	-4.70	118.24	125.53
33	9	307	CHL	C2A-C1A-CHA	-4.69	115.67	123.86
28	F	803	BCR	C7-C8-C9	-4.69	119.16	126.23

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	A	848	BCR	C15-C14-C13	-4.68	120.63	127.31
33	5	308	CHL	CAC-C3C-C4C	4.68	130.88	124.81
33	S	307	CHL	C2A-C1A-CHA	-4.68	115.68	123.86
33	1	601	CHL	C1-C2-C3	-4.68	117.96	126.04
33	4	306	CHL	C2A-C1A-CHA	-4.67	115.69	123.86
27	7	317	LHG	O7-C7-C8	4.67	121.56	111.50
33	4	304	CHL	O2D-CGD-CBD	4.66	119.55	111.27
28	L	207	BCR	C11-C10-C9	-4.66	120.66	127.31
33	U	308	CHL	C2A-C1A-CHA	-4.66	115.72	123.86
34	U	314	LUT	C35-C34-C33	-4.65	120.67	127.31
28	A	845	BCR	C16-C17-C18	-4.65	120.68	127.31
28	6	621	BCR	C15-C14-C13	-4.64	120.69	127.31
34	3	315	LUT	C18-C5-C6	-4.63	119.32	124.53
28	B	845	BCR	C33-C5-C6	-4.62	119.33	124.53
28	7	316	BCR	C15-C14-C13	-4.62	120.71	127.31
28	G	203	BCR	C7-C8-C9	-4.62	119.25	126.23
28	I	201	BCR	C3-C4-C5	-4.62	105.83	114.08
35	Q	616	XAT	C11-C10-C9	-4.61	120.73	127.31
34	1	617	LUT	C35-C34-C33	-4.60	120.75	127.31
28	L	203	BCR	C7-C8-C9	-4.60	119.29	126.23
28	3	318	BCR	C36-C18-C17	-4.60	116.48	122.92
34	a	315	LUT	C7-C8-C9	-4.59	119.30	126.23
25	Q	618	CLA	C2A-C1A-CHA	4.59	129.82	122.71
28	B	841	BCR	C4-C5-C6	-4.59	116.07	122.73
28	O	204	BCR	C16-C17-C18	-4.58	120.78	127.31
27	6	618	LHG	O7-C7-C8	4.57	121.36	111.50
34	a	316	LUT	C1-C6-C5	-4.57	116.18	122.61
33	P	622	CHL	C1B-CHB-C4A	-4.56	121.09	130.12
33	1	606	CHL	C1B-CHB-C4A	-4.56	121.09	130.12
28	3	319	BCR	C38-C26-C25	-4.55	119.42	124.53
33	a	305	CHL	C1B-CHB-C4A	-4.55	121.10	130.12
33	1	606	CHL	C1D-ND-C4D	4.55	109.57	106.33
28	A	854	BCR	C15-C14-C13	-4.55	120.82	127.31
35	P	620	XAT	O24-C25-C38	4.54	120.50	115.06
28	8	318	BCR	C3-C4-C5	-4.54	105.97	114.08
28	A	846	BCR	C11-C10-C9	-4.53	120.85	127.31
25	Q	602	CLA	CMB-C2B-C1B	-4.53	121.50	128.46
35	S	318	XAT	C6-C7-C8	-4.52	116.44	125.99
33	U	309	CHL	CHD-C4C-C3C	-4.52	118.20	124.84
33	5	307	CHL	CMD-C2D-C3D	-4.52	117.22	127.61
33	4	305	CHL	CHD-C4C-C3C	-4.51	118.22	124.84
28	K	206	BCR	C3-C4-C5	-4.50	106.04	114.08

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	5	320	BCR	C24-C23-C22	-4.50	119.44	126.23
33	6	606	CHL	O2D-CGD-CBD	4.49	119.25	111.27
28	3	317	BCR	C24-C23-C22	-4.49	119.45	126.23
33	9	307	CHL	O2D-CGD-CBD	4.49	119.25	111.27
33	8	307	CHL	C1D-ND-C4D	4.49	109.52	106.33
35	S	318	XAT	O4-C5-C18	4.47	120.42	115.06
30	B	846	DGD	C2G-O2G-C1B	-4.47	106.80	117.79
28	5	323	BCR	C3-C4-C5	-4.46	106.11	114.08
25	P	611	CLA	CMD-C2D-C3D	-4.46	117.36	127.61
33	4	305	CHL	CHD-C1D-ND	-4.45	120.36	124.45
33	Q	601	CHL	CHD-C1D-ND	-4.45	120.37	124.45
28	3	319	BCR	C11-C12-C13	-4.45	113.92	126.42
34	1	616	LUT	C7-C8-C9	-4.45	119.52	126.23
33	R	601	CHL	CHD-C1D-ND	-4.45	120.37	124.45
25	a	303	CLA	C7-C6-C5	-4.44	101.30	113.36
35	T	615	XAT	O24-C25-C38	4.44	120.38	115.06
34	P	615	LUT	C31-C30-C29	-4.44	120.98	127.31
33	7	305	CHL	O2D-CGD-CBD	4.44	119.15	111.27
28	J	106	BCR	C15-C14-C13	-4.43	120.99	127.31
28	3	319	BCR	C35-C13-C14	-4.43	116.72	122.92
25	5	304	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
33	P	601	CHL	CHD-C1D-ND	-4.43	120.39	124.45
28	3	318	BCR	C12-C13-C14	4.43	125.73	118.94
28	3	319	BCR	C36-C18-C17	-4.43	116.72	122.92
33	R	601	CHL	C1B-CHB-C4A	-4.42	121.36	130.12
28	F	803	BCR	C38-C26-C25	-4.42	119.56	124.53
33	T	607	CHL	CHD-C4C-C3C	-4.42	118.34	124.84
33	a	305	CHL	C1D-ND-C4D	4.41	109.47	106.33
28	3	317	BCR	C36-C18-C17	-4.41	116.75	122.92
25	A	819	CLA	CMB-C2B-C1B	-4.41	121.69	128.46
33	P	601	CHL	C1B-CHB-C4A	-4.41	121.39	130.12
33	Q	601	CHL	C1B-CHB-C4A	-4.40	121.40	130.12
34	8	316	LUT	C35-C34-C33	-4.40	121.03	127.31
28	6	621	BCR	C4-C5-C6	-4.40	116.35	122.73
28	B	841	BCR	C15-C14-C13	-4.40	121.04	127.31
33	4	322	CHL	C1-C2-C3	-4.39	118.44	126.04
28	3	319	BCR	C24-C23-C22	-4.39	119.60	126.23
35	P	616	XAT	O4-C5-C18	4.39	120.31	115.06
28	B	842	BCR	C7-C8-C9	-4.38	119.61	126.23
28	5	323	BCR	C23-C24-C25	-4.38	114.89	127.20
28	A	854	BCR	C28-C27-C26	-4.38	106.26	114.08
33	S	302	CHL	C2A-C1A-CHA	-4.37	116.21	123.86

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	812	CLA	CMB-C2B-C1B	-4.37	121.75	128.46
33	Q	605	CHL	O2D-CGD-CBD	4.37	119.03	111.27
28	5	323	BCR	C21-C20-C19	-4.37	109.59	123.22
33	3	306	CHL	CMD-C2D-C3D	-4.36	117.58	127.61
36	T	616	NEX	O24-C25-C38	4.36	120.28	115.06
33	a	305	CHL	CHD-C1D-ND	-4.36	120.45	124.45
33	Q	605	CHL	C2A-C1A-CHA	-4.35	116.25	123.85
34	P	614	LUT	C7-C8-C9	-4.35	119.66	126.23
27	5	321	LHG	O7-C7-C8	4.35	120.88	111.50
33	1	606	CHL	O2D-CGD-CBD	4.35	119.00	111.27
25	A	802	CLA	CMB-C2B-C1B	-4.33	121.80	128.46
33	4	306	CHL	O2D-CGD-CBD	4.33	118.96	111.27
33	4	322	CHL	C7-C6-C5	-4.33	94.16	112.67
33	P	622	CHL	CHD-C4C-C3C	-4.33	118.48	124.84
28	L	208	BCR	C24-C23-C22	-4.32	119.71	126.23
25	U	302	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
25	R	602	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
34	7	315	LUT	C18-C5-C6	-4.31	119.69	124.53
33	9	306	CHL	CMD-C2D-C3D	-4.31	117.70	127.61
28	5	323	BCR	C38-C26-C25	-4.30	119.70	124.53
28	K	206	BCR	C24-C23-C22	-4.30	119.74	126.23
33	7	305	CHL	CMD-C2D-C3D	-4.30	117.72	127.61
28	4	317	BCR	C8-C7-C6	-4.30	115.13	127.20
28	A	848	BCR	C3-C4-C5	-4.30	106.40	114.08
25	G	202	CLA	CMB-C2B-C1B	-4.30	121.86	128.46
33	T	601	CHL	C1B-CHB-C4A	-4.29	121.62	130.12
33	6	608	CHL	CAC-C3C-C4C	4.29	130.38	124.81
35	P	616	XAT	C11-C10-C9	-4.29	121.19	127.31
36	P	621	NEX	C11-C10-C9	-4.29	121.19	127.31
35	P	616	XAT	O24-C25-C38	4.28	120.19	115.06
34	2	315	LUT	C18-C5-C6	-4.28	119.72	124.53
28	A	845	BCR	C24-C23-C22	-4.28	119.77	126.23
25	R	611	CLA	C1-C2-C3	4.27	133.43	126.04
35	Q	616	XAT	O4-C5-C18	4.27	120.17	115.06
28	3	319	BCR	C20-C21-C22	-4.27	121.22	127.31
28	3	319	BCR	C19-C18-C17	4.27	125.49	118.94
33	8	307	CHL	CMD-C2D-C3D	-4.27	117.80	127.61
33	9	306	CHL	O2D-CGD-CBD	4.27	118.85	111.27
33	P	619	CHL	CMD-C2D-C3D	-4.27	117.80	127.61
33	S	307	CHL	CMD-C2D-C3D	-4.26	117.80	127.61
36	P	617	NEX	C17-C1-C6	-4.26	106.66	110.47
28	3	318	BCR	C38-C26-C25	-4.26	119.74	124.53

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	S	307	CHL	C1D-ND-C4D	4.26	109.36	106.33
34	Q	615	LUT	C31-C30-C29	-4.26	121.23	127.31
33	U	309	CHL	CHD-C1D-ND	-4.26	120.54	124.45
34	9	312	LUT	C35-C34-C33	-4.26	121.23	127.31
33	P	607	CHL	CMD-C2D-C3D	-4.25	117.83	127.61
33	R	607	CHL	CMD-C2D-C3D	-4.25	117.83	127.61
25	Q	609	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
28	L	207	BCR	C7-C8-C9	-4.25	119.81	126.23
33	9	307	CHL	C1D-ND-C4D	4.25	109.35	106.33
28	B	844	BCR	C7-C8-C9	-4.24	119.82	126.23
33	5	308	CHL	O2D-CGD-CBD	4.24	118.80	111.27
33	4	305	CHL	CMD-C2D-C3D	-4.24	117.86	127.61
25	S	301	CLA	CMB-C2B-C1B	-4.24	121.95	128.46
33	T	601	CHL	CHD-C1D-ND	-4.24	120.56	124.45
28	J	101	BCR	C33-C5-C6	-4.24	119.77	124.53
35	Q	616	XAT	O24-C25-C38	4.23	120.12	115.06
25	2	309	CLA	CMB-C2B-C1B	-4.23	121.97	128.46
33	P	605	CHL	O2D-CGD-CBD	4.22	118.77	111.27
32	H	204	LMG	O7-C10-C11	4.22	120.60	111.50
27	4	319	LHG	O7-C7-C8	4.21	120.58	111.50
28	5	320	BCR	C16-C17-C18	-4.21	121.30	127.31
33	T	604	CHL	C2A-C1A-CHA	-4.21	116.50	123.86
34	U	315	LUT	C31-C30-C29	-4.20	121.31	127.31
28	3	317	BCR	C15-C14-C13	-4.20	121.31	127.31
28	A	845	BCR	C15-C14-C13	-4.20	121.31	127.31
25	Q	618	CLA	CBD-CHA-C1A	4.20	133.45	128.50
28	5	323	BCR	C16-C15-C14	-4.20	114.88	123.47
28	A	848	BCR	C7-C8-C9	-4.20	119.90	126.23
28	A	845	BCR	C3-C4-C5	-4.19	106.59	114.08
25	H	205	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
33	T	606	CHL	O2D-CGD-CBD	4.19	118.72	111.27
28	B	844	BCR	C15-C16-C17	-4.19	114.89	123.47
34	1	617	LUT	C1-C6-C5	-4.19	116.71	122.61
28	A	854	BCR	C16-C17-C18	-4.19	121.33	127.31
33	4	305	CHL	C1B-CHB-C4A	-4.18	121.83	130.12
25	A	821	CLA	O2D-CGD-O1D	-4.18	115.66	123.84
33	S	306	CHL	O2D-CGD-CBD	4.18	118.69	111.27
28	J	106	BCR	C38-C26-C25	-4.18	119.84	124.53
36	R	617	NEX	C27-C28-C29	-4.18	119.05	125.53
35	T	615	XAT	C11-C10-C9	-4.18	121.35	127.31
33	6	608	CHL	CMD-C2D-C3D	-4.17	118.01	127.61
32	7	318	LMG	O7-C10-C11	4.17	120.49	111.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	5	307	CHL	C1-C2-C3	-4.17	120.00	126.75
25	a	303	CLA	CMB-C2B-C1B	-4.17	122.05	128.46
33	U	307	CHL	CMD-C2D-C3D	-4.17	118.03	127.61
33	5	307	CHL	C2A-C1A-CHA	-4.17	116.58	123.86
35	Q	616	XAT	C6-C7-C8	-4.16	117.19	125.99
33	S	321	CHL	CMD-C2D-C3D	-4.16	118.04	127.61
33	P	622	CHL	CAC-C3C-C4C	4.16	130.21	124.81
25	B	803	CLA	CMB-C2B-C1B	-4.16	122.08	128.46
28	G	203	BCR	C11-C10-C9	-4.15	121.39	127.31
33	U	305	CHL	O2D-CGD-CBD	4.15	118.64	111.27
33	T	607	CHL	CMD-C2D-C3D	-4.15	118.07	127.61
25	T	602	CLA	CMB-C2B-C1B	-4.14	122.10	128.46
25	A	801	CLA	CMB-C2B-C1B	-4.14	122.10	128.46
25	1	609	CLA	CHB-C4A-NA	4.14	130.23	124.51
34	U	314	LUT	C7-C8-C9	-4.14	119.99	126.23
33	8	307	CHL	CHA-C4D-ND	4.13	141.14	132.50
33	T	604	CHL	O2D-CGD-CBD	4.12	118.60	111.27
33	S	309	CHL	CMD-C2D-C3D	-4.12	118.13	127.61
35	P	620	XAT	C11-C10-C9	-4.12	121.43	127.31
28	8	318	BCR	C38-C26-C25	-4.12	119.90	124.53
28	A	847	BCR	C24-C23-C22	-4.12	120.01	126.23
27	A	843	LHG	O7-C7-C8	4.12	120.37	111.50
33	P	605	CHL	CAA-CBA-CGA	-4.12	101.22	113.25
25	6	623	CLA	O2D-CGD-O1D	-4.11	115.79	123.84
25	P	602	CLA	CMB-C2B-C1B	-4.11	122.14	128.46
25	U	310	CLA	CMB-C2B-C1B	-4.10	122.16	128.46
33	Q	607	CHL	CMD-C2D-C3D	-4.10	118.19	127.61
28	L	207	BCR	C16-C17-C18	-4.10	121.47	127.31
25	5	310	CLA	CMB-C2B-C1B	-4.09	122.17	128.46
34	P	614	LUT	C15-C14-C13	-4.09	121.48	127.31
32	2	301	LMG	O7-C10-C11	4.09	120.31	111.50
33	R	605	CHL	CMD-C2D-C3D	-4.09	118.22	127.61
33	R	601	CHL	CMD-C2D-C3D	-4.09	118.22	127.61
33	P	608	CHL	CMD-C2D-C3D	-4.08	118.22	127.61
33	P	601	CHL	CMD-C2D-C3D	-4.08	118.22	127.61
33	Q	601	CHL	CMD-C2D-C3D	-4.08	118.22	127.61
28	B	842	BCR	C38-C26-C25	-4.08	119.95	124.53
33	5	307	CHL	C1D-ND-C4D	4.08	109.23	106.33
33	R	608	CHL	CMD-C2D-C3D	-4.07	118.24	127.61
28	4	321	BCR	C37-C22-C21	-4.07	117.22	122.92
34	U	314	LUT	C15-C14-C13	-4.07	121.50	127.31
27	2	317	LHG	O7-C7-C8	4.06	120.26	111.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	313	CLA	CMD-C2D-C1D	4.06	131.87	124.71
25	B	823	CLA	CMB-C2B-C1B	-4.06	122.22	128.46
33	1	606	CHL	CMD-C2D-C3D	-4.05	118.29	127.61
30	B	846	DGD	O2G-C1B-C2B	4.05	120.23	111.50
28	7	316	BCR	C33-C5-C6	-4.05	119.98	124.53
34	1	616	LUT	C18-C5-C4	4.05	121.86	114.36
32	4	320	LMG	O7-C10-C11	4.05	120.22	111.50
28	A	847	BCR	C20-C21-C22	-4.05	121.54	127.31
28	4	321	BCR	C28-C27-C26	-4.04	106.86	114.08
33	T	601	CHL	CMD-C2D-C3D	-4.04	118.33	127.61
28	J	101	BCR	C20-C21-C22	-4.04	121.55	127.31
33	T	606	CHL	CMD-C2D-C3D	-4.03	118.33	127.61
34	R	616	LUT	C35-C34-C33	-4.03	121.55	127.31
36	U	316	NEX	O24-C25-C38	4.03	119.89	115.06
25	R	604	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
26	B	839	PQN	C11-C12-C13	-4.03	120.08	126.79
28	3	318	BCR	C33-C5-C6	-4.03	120.00	124.53
33	6	606	CHL	CAC-C3C-C4C	4.03	130.04	124.81
27	1	618	LHG	O7-C7-C8	4.03	120.18	111.50
36	R	617	NEX	O24-C25-C38	4.02	119.88	115.06
33	5	307	CHL	O2D-CGD-CBD	4.02	118.41	111.27
33	P	622	CHL	CHD-C1D-ND	-4.02	120.76	124.45
28	3	318	BCR	C11-C12-C13	-4.02	115.13	126.42
28	O	205	BCR	C38-C26-C25	-4.01	120.02	124.53
25	A	827	CLA	O2D-CGD-O1D	-4.01	115.99	123.84
33	P	606	CHL	CMD-C2D-C3D	-4.01	118.39	127.61
28	L	207	BCR	C15-C14-C13	-4.01	121.59	127.31
33	U	306	CHL	CMD-C2D-C3D	-4.01	118.39	127.61
25	7	312	CLA	CMB-C2B-C1B	-4.00	122.31	128.46
28	J	106	BCR	C16-C17-C18	-4.00	121.60	127.31
33	4	304	CHL	C2A-C1A-CHA	-4.00	116.86	123.85
33	S	308	CHL	CMD-C2D-C3D	-4.00	118.41	127.61
33	4	304	CHL	C1D-ND-C4D	4.00	109.18	106.33
33	R	601	CHL	CHD-C4C-C3C	-4.00	118.96	124.84
33	P	601	CHL	CHD-C4C-C3C	-4.00	118.96	124.84
25	S	303	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
25	A	823	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
33	Q	605	CHL	CMD-C2D-C3D	-3.99	118.43	127.61
27	4	318	LHG	O7-C7-C8	3.99	120.11	111.50
25	O	203	CLA	CAB-C3B-C4B	-3.99	122.33	128.46
25	A	824	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
25	4	310	CLA	CMB-C2B-C1B	-3.98	122.34	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	Q	601	CHL	CHD-C4C-C3C	-3.98	118.99	124.84
25	B	817	CLA	CMB-C2B-C1B	-3.98	122.34	128.46
34	R	615	LUT	C15-C14-C13	-3.98	121.63	127.31
33	Q	608	CHL	O2D-CGD-CBD	3.98	118.34	111.27
36	P	617	NEX	O24-C25-C38	3.98	119.83	115.06
35	P	620	XAT	C6-C7-C8	-3.98	117.58	125.99
35	T	615	XAT	C6-C7-C8	-3.98	117.59	125.99
34	R	616	LUT	C31-C30-C29	-3.97	121.64	127.31
33	U	309	CHL	CMD-C2D-C3D	-3.97	118.47	127.61
33	5	307	CHL	CHD-C1D-ND	-3.97	120.80	124.45
33	P	609	CHL	O2D-CGD-CBD	3.97	118.32	111.27
32	J	104	LMG	O7-C10-C11	3.97	120.05	111.50
25	A	830	CLA	CMB-C2B-C1B	-3.97	122.37	128.46
34	1	615	LUT	C18-C5-C6	-3.96	120.08	124.53
31	B	850	SQD	O47-C7-C8	3.96	120.05	111.50
28	4	317	BCR	C38-C26-C25	-3.96	120.08	124.53
27	8	319	LHG	O7-C7-C8	3.96	120.04	111.50
25	T	608	CLA	CMB-C2B-C1B	-3.96	122.37	128.46
28	A	847	BCR	C15-C14-C13	-3.96	121.66	127.31
33	R	609	CHL	O2D-CGD-CBD	3.96	118.31	111.27
28	L	208	BCR	C7-C8-C9	-3.96	120.25	126.23
25	1	612	CLA	O2D-CGD-O1D	-3.96	116.09	123.84
33	R	601	CHL	C1-C2-C3	-3.96	120.34	126.75
33	5	308	CHL	CMD-C2D-C3D	-3.96	118.50	127.61
33	U	308	CHL	CMD-C2D-C3D	-3.96	118.50	127.61
33	1	606	CHL	C2A-C1A-CHA	-3.96	116.94	123.86
33	6	617	CHL	CMD-C2D-C3D	-3.96	118.51	127.61
33	Q	601	CHL	C1-C2-C3	-3.95	120.36	126.75
33	S	307	CHL	CHD-C1D-ND	-3.95	120.82	124.45
33	Q	607	CHL	O2D-CGD-CBD	3.95	118.28	111.27
25	1	612	CLA	CHB-C4A-NA	3.95	129.97	124.51
32	6	602	LMG	O7-C10-C11	3.94	120.00	111.50
33	P	601	CHL	C1-C2-C3	-3.94	120.37	126.75
25	a	308	CLA	CHB-C4A-NA	3.94	129.96	124.51
33	P	608	CHL	O2D-CGD-CBD	3.94	118.27	111.27
28	6	621	BCR	C3-C4-C5	-3.94	107.05	114.08
27	A	844	LHG	O7-C7-C8	3.93	119.98	111.50
33	4	314	CHL	C1D-ND-C4D	3.93	109.13	106.33
33	a	305	CHL	CMD-C2D-C3D	-3.93	118.57	127.61
28	3	318	BCR	C35-C13-C14	-3.93	117.42	122.92
33	S	302	CHL	CHA-C4D-ND	3.93	140.72	132.50
33	T	601	CHL	CHD-C4C-C3C	-3.93	119.06	124.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	L	204	BCR	C15-C14-C13	-3.93	121.70	127.31
34	6	619	LUT	C18-C5-C6	-3.93	120.11	124.53
33	R	608	CHL	O2D-CGD-CBD	3.92	118.24	111.27
33	T	605	CHL	CMD-C2D-C3D	-3.92	118.59	127.61
28	3	317	BCR	C7-C8-C9	-3.92	120.31	126.23
34	2	315	LUT	C21-C26-C27	-3.92	107.75	112.70
33	a	305	CHL	C2A-C1A-CHA	-3.91	117.02	123.86
33	T	607	CHL	CHD-C1D-ND	-3.91	120.86	124.45
34	T	614	LUT	C31-C30-C29	-3.91	121.73	127.31
25	B	816	CLA	CMB-C2B-C1B	-3.91	122.45	128.46
33	6	607	CHL	O2D-CGD-CBD	3.91	118.21	111.27
35	P	623	XAT	C6-C7-C8	-3.91	117.73	125.99
33	1	606	CHL	CHD-C1D-ND	-3.90	120.87	124.45
28	O	205	BCR	C20-C21-C22	-3.90	121.74	127.31
28	5	323	BCR	C11-C12-C13	-3.90	115.46	126.42
33	S	306	CHL	CMD-C2D-C3D	-3.90	118.64	127.61
25	9	310	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
25	Q	613	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
28	I	201	BCR	C28-C27-C26	-3.89	107.12	114.08
25	R	610	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
27	a	317	LHG	O7-C7-C8	3.89	119.89	111.50
33	6	606	CHL	CHA-C4D-ND	3.89	140.64	132.50
28	B	844	BCR	C33-C5-C6	-3.89	120.16	124.53
25	B	815	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
33	7	305	CHL	CAC-C3C-C4C	3.89	129.86	124.81
35	P	623	XAT	O4-C5-C18	3.88	119.71	115.06
25	A	804	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
25	H	202	CLA	CAA-C2A-C3A	-3.88	107.05	116.10
33	T	604	CHL	CMD-C2D-C3D	-3.88	118.69	127.61
33	4	314	CHL	CAC-C3C-C4C	3.88	129.84	124.81
35	P	616	XAT	C6-C7-C8	-3.88	117.80	125.99
35	Q	616	XAT	C26-C27-C28	-3.88	117.80	125.99
33	U	308	CHL	O2D-CGD-CBD	3.88	118.16	111.27
25	B	849	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
25	6	605	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
33	4	314	CHL	CMD-C2D-C3D	-3.87	118.71	127.61
28	A	847	BCR	C28-C27-C26	-3.87	107.17	114.08
25	A	814	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
28	5	320	BCR	C15-C14-C13	-3.86	121.80	127.31
35	Q	616	XAT	C35-C34-C33	-3.86	121.80	127.31
35	T	615	XAT	O4-C5-C18	3.86	119.68	115.06
33	P	622	CHL	CMD-C2D-C3D	-3.86	118.73	127.61

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	A	846	BCR	C3-C4-C5	-3.86	107.19	114.08
33	Q	606	CHL	CMD-C2D-C3D	-3.86	118.74	127.61
28	K	206	BCR	C33-C5-C6	-3.86	120.20	124.53
28	B	842	BCR	C11-C10-C9	-3.86	121.81	127.31
28	B	845	BCR	C28-C27-C26	-3.86	107.19	114.08
33	S	310	CHL	CMD-C2D-C3D	-3.85	118.75	127.61
35	S	318	XAT	C19-C9-C10	-3.85	117.53	122.92
28	8	301	BCR	C28-C27-C26	-3.85	107.20	114.08
28	B	851	BCR	C20-C21-C22	-3.85	121.81	127.31
28	B	843	BCR	C28-C27-C26	-3.85	107.20	114.08
25	A	811	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
25	S	305	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
35	P	623	XAT	C26-C27-C28	-3.84	117.87	125.99
33	S	306	CHL	CHA-C4D-ND	3.84	140.53	132.50
28	L	207	BCR	C20-C21-C22	-3.84	121.83	127.31
25	A	813	CLA	O2D-CGD-O1D	-3.83	116.34	123.84
33	S	306	CHL	C2A-C1A-CHA	-3.83	117.15	123.86
33	5	308	CHL	CHA-C4D-ND	3.83	140.52	132.50
25	B	819	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
25	A	807	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
33	P	605	CHL	CMD-C2D-C3D	-3.83	118.80	127.61
36	P	621	NEX	C5-C6-C1	-3.83	115.89	119.70
33	S	302	CHL	CAC-C3C-C4C	3.83	129.78	124.81
28	F	803	BCR	C15-C14-C13	-3.83	121.85	127.31
28	4	317	BCR	C11-C10-C9	-3.83	121.85	127.31
28	K	206	BCR	C7-C8-C9	-3.83	120.45	126.23
35	P	620	XAT	O4-C5-C18	3.82	119.64	115.06
33	4	304	CHL	CAC-C3C-C4C	3.82	129.77	124.81
34	T	613	LUT	C15-C14-C13	-3.82	121.85	127.31
25	5	313	CLA	CHD-C1D-ND	-3.82	120.94	124.45
35	S	318	XAT	O24-C25-C38	3.82	119.63	115.06
33	8	307	CHL	C1-C2-C3	-3.82	119.44	126.04
28	B	840	BCR	C15-C14-C13	-3.81	121.87	127.31
28	5	323	BCR	C37-C22-C23	3.81	124.08	118.08
33	3	306	CHL	CHD-C4C-NC	3.81	130.20	124.20
33	5	308	CHL	C1-C2-C3	-3.81	120.59	126.75
25	A	820	CLA	CMB-C2B-C1B	-3.81	122.61	128.46
34	3	316	LUT	C18-C5-C6	-3.81	120.25	124.53
33	6	606	CHL	CMD-C2D-C3D	-3.80	118.87	127.61
28	A	846	BCR	C24-C23-C22	-3.80	120.49	126.23
33	7	305	CHL	CHA-C4D-ND	3.80	140.45	132.50
34	4	316	LUT	C18-C5-C6	-3.80	120.26	124.53

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	a	305	CHL	O2D-CGD-CBD	3.79	118.01	111.27
34	a	315	LUT	C18-C5-C4	3.79	121.38	114.36
28	F	803	BCR	C33-C5-C6	-3.79	120.27	124.53
25	P	610	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
28	B	841	BCR	C16-C17-C18	-3.79	121.91	127.31
28	B	843	BCR	C21-C20-C19	-3.78	111.41	123.22
33	5	317	CHL	CMD-C2D-C3D	-3.78	118.92	127.61
34	U	315	LUT	C21-C26-C27	-3.78	107.92	112.70
33	U	305	CHL	CMD-C2D-C3D	-3.78	118.92	127.61
34	5	318	LUT	C35-C34-C33	-3.77	121.93	127.31
25	9	301	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
25	9	302	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
33	U	305	CHL	C1D-ND-C4D	3.77	109.01	106.33
28	F	801	BCR	C33-C5-C6	-3.77	120.30	124.53
25	3	303	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
27	S	319	LHG	O7-C7-C8	3.77	119.62	111.50
33	S	321	CHL	CHD-C1D-ND	-3.77	120.99	124.45
34	U	314	LUT	C11-C10-C9	-3.76	121.94	127.31
34	2	316	LUT	C7-C8-C9	-3.76	120.55	126.23
28	B	851	BCR	C33-C5-C6	-3.76	120.30	124.53
28	A	846	BCR	C20-C21-C22	-3.76	121.94	127.31
33	7	305	CHL	C1D-ND-C4D	3.76	109.00	106.33
33	S	306	CHL	CMB-C2B-C3B	3.76	131.71	124.68
28	6	621	BCR	C33-C5-C4	3.76	120.83	113.62
25	B	809	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
28	5	320	BCR	C33-C5-C6	-3.76	120.31	124.53
28	B	841	BCR	C28-C27-C26	-3.75	107.38	114.08
34	S	317	LUT	C15-C14-C13	-3.75	121.96	127.31
33	9	306	CHL	CHD-C4C-NC	3.74	130.10	124.20
25	L	205	CLA	O2D-CGD-O1D	-3.74	116.52	123.84
30	B	848	DGD	C1E-C2E-C3E	3.74	117.79	110.00
25	a	303	CLA	CMB-C2B-C3B	3.74	131.67	124.68
25	1	608	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
34	8	316	LUT	C18-C5-C6	-3.74	120.33	124.53
28	5	323	BCR	C15-C14-C13	-3.74	121.98	127.31
25	A	830	CLA	O2D-CGD-O1D	-3.74	116.53	123.84
33	T	607	CHL	CHA-C4D-ND	3.73	140.31	132.50
34	5	322	LUT	C18-C5-C6	-3.73	120.34	124.53
33	9	306	CHL	CHA-C4D-ND	3.73	140.30	132.50
33	3	306	CHL	CHA-C4D-ND	3.73	140.30	132.50
27	B	847	LHG	O7-C7-C8	3.73	119.54	111.50
34	7	314	LUT	C35-C34-C33	-3.73	121.99	127.31

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	8	301	BCR	C7-C8-C9	-3.73	120.61	126.23
25	U	313	CLA	CMB-C2B-C3B	3.72	131.65	124.68
33	S	310	CHL	C4-C3-C5	3.72	120.24	115.98
33	R	605	CHL	C1D-ND-C4D	3.72	108.98	106.33
33	4	314	CHL	CHA-C4D-ND	3.72	140.28	132.50
33	4	322	CHL	CAC-C3C-C4C	3.72	129.64	124.81
33	6	617	CHL	CHD-C1D-ND	-3.72	121.04	124.45
25	T	610	CLA	O2D-CGD-O1D	-3.72	116.57	123.84
34	Q	614	LUT	C15-C14-C13	-3.72	122.01	127.31
25	K	205	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
33	S	306	CHL	CAC-C3C-C4C	3.72	129.63	124.81
34	S	316	LUT	C35-C34-C33	-3.72	122.01	127.31
33	9	307	CHL	CHA-C4D-ND	3.71	140.27	132.50
33	3	306	CHL	O2D-CGD-CBD	3.71	117.86	111.27
25	9	303	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
33	6	608	CHL	OMC-CMC-C2C	-3.71	117.31	125.69
25	B	805	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
25	3	302	CLA	CMB-C2B-C1B	-3.70	122.77	128.46
25	A	806	CLA	CMB-C2B-C1B	-3.70	122.77	128.46
33	4	306	CHL	CMD-C2D-C3D	-3.70	119.10	127.61
33	S	309	CHL	CHA-C4D-ND	3.70	140.24	132.50
33	Q	607	CHL	CHD-C1D-ND	-3.70	121.05	124.45
33	4	304	CHL	CHA-C4D-ND	3.70	140.24	132.50
28	B	843	BCR	C15-C14-C13	-3.70	122.03	127.31
33	4	306	CHL	CHD-C4C-NC	3.70	130.03	124.20
25	a	308	CLA	CMA-C3A-C4A	3.70	121.71	111.77
25	a	311	CLA	O2D-CGD-O1D	-3.70	116.61	123.84
25	4	303	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
33	5	307	CHL	C1D-CHD-C4C	-3.69	118.09	126.06
28	O	204	BCR	C15-C14-C13	-3.69	122.04	127.31
33	P	606	CHL	CHD-C1D-ND	-3.69	121.06	124.45
28	4	321	BCR	C23-C22-C21	3.69	124.61	118.94
30	B	848	DGD	C1D-C2D-C3D	3.69	117.68	110.00
25	B	827	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
25	3	313	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
25	1	610	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
33	9	307	CHL	CMD-C2D-C3D	-3.69	119.13	127.61
25	Q	602	CLA	CMB-C2B-C3B	3.69	131.58	124.68
32	J	102	LMG	O7-C10-C11	3.69	119.45	111.50
33	6	607	CHL	CMD-C2D-C3D	-3.68	119.14	127.61
34	R	615	LUT	C18-C5-C6	-3.68	120.39	124.53
25	3	312	CLA	CMB-C2B-C1B	-3.68	122.81	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	U	307	CHL	CHD-C1D-ND	-3.68	121.07	124.45
33	S	302	CHL	C1D-ND-C4D	3.68	108.95	106.33
25	8	310	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
28	B	845	BCR	C7-C8-C9	-3.68	120.68	126.23
33	U	305	CHL	CHA-C4D-ND	3.68	140.19	132.50
25	5	311	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
28	3	319	BCR	C33-C5-C6	-3.68	120.40	124.53
33	9	307	CHL	CAC-C3C-C4C	3.67	129.58	124.81
34	1	617	LUT	C18-C5-C4	3.67	121.16	114.36
33	Q	605	CHL	CHA-C4D-ND	3.67	140.18	132.50
34	2	316	LUT	C18-C5-C6	-3.67	120.41	124.53
25	B	822	CLA	O2D-CGD-O1D	-3.67	116.66	123.84
28	L	204	BCR	C28-C27-C26	-3.67	107.53	114.08
28	A	845	BCR	C33-C5-C6	-3.67	120.41	124.53
33	T	606	CHL	CHD-C1D-ND	-3.67	121.08	124.45
33	U	309	CHL	C2A-C1A-CHA	-3.67	117.45	123.86
25	6	613	CLA	O2D-CGD-O1D	-3.67	116.67	123.84
25	5	304	CLA	CMB-C2B-C3B	3.67	131.54	124.68
25	1	609	CLA	CMA-C3A-C4A	3.67	121.62	111.77
25	8	311	CLA	CMB-C2B-C1B	-3.66	122.83	128.46
25	P	611	CLA	CHB-C4A-NA	3.66	129.58	124.51
33	9	306	CHL	CHD-C1D-ND	-3.66	121.09	124.45
33	6	608	CHL	CHA-C4D-ND	3.66	140.16	132.50
28	A	849	BCR	C20-C19-C18	-3.66	116.13	126.42
25	7	313	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
25	U	302	CLA	CMB-C2B-C3B	3.66	131.53	124.68
25	8	304	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
33	S	309	CHL	C4-C3-C5	3.66	120.16	115.98
25	A	840	CLA	O2D-CGD-O1D	-3.66	116.69	123.84
33	8	307	CHL	C6-C5-C3	-3.66	108.64	114.62
25	A	836	CLA	CMB-C2B-C1B	-3.66	122.85	128.46
28	8	301	BCR	C3-C4-C5	-3.65	107.55	114.08
25	P	611	CLA	C1B-CHB-C4A	-3.65	122.88	130.12
33	T	605	CHL	CHD-C1D-ND	-3.65	121.10	124.45
33	R	605	CHL	C2A-C1A-CHA	-3.65	117.47	123.86
25	3	307	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
33	P	619	CHL	CHA-C4D-ND	3.65	140.14	132.50
33	5	307	CHL	CAC-C3C-C4C	3.65	129.55	124.81
33	6	617	CHL	CHA-C4D-ND	3.65	140.13	132.50
28	J	106	BCR	C37-C22-C21	-3.64	117.82	122.92
28	B	841	BCR	C11-C10-C9	-3.64	122.11	127.31
33	S	307	CHL	CHA-C4D-ND	3.64	140.12	132.50

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	P	607	CHL	CHA-C4D-ND	3.64	140.11	132.50
33	4	306	CHL	CHA-C4D-ND	3.64	140.11	132.50
34	4	315	LUT	C18-C5-C6	-3.64	120.44	124.53
25	a	307	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
34	Q	615	LUT	C35-C34-C33	-3.64	122.12	127.31
33	T	601	CHL	C2A-C1A-CHA	-3.64	117.50	123.86
34	8	316	LUT	C7-C8-C9	-3.64	120.74	126.23
25	6	609	CLA	CMB-C2B-C1B	-3.64	122.88	128.46
25	B	814	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
28	J	101	BCR	C15-C16-C17	-3.63	116.03	123.47
25	T	612	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
25	6	614	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
33	P	608	CHL	CHD-C1D-ND	-3.63	121.12	124.45
33	T	607	CHL	OBD-CAD-C3D	-3.63	119.78	128.52
28	5	323	BCR	C34-C9-C10	-3.63	117.84	122.92
33	R	607	CHL	CHA-C4D-ND	3.63	140.09	132.50
25	R	614	CLA	CMB-C2B-C1B	-3.63	122.89	128.46
33	5	307	CHL	CHA-C4D-ND	3.63	140.09	132.50
33	4	322	CHL	C1D-ND-C4D	3.62	108.91	106.33
25	4	309	CLA	CMB-C2B-C1B	-3.62	122.89	128.46
25	a	302	CLA	CMB-C2B-C1B	-3.62	122.89	128.46
28	8	301	BCR	C33-C5-C6	-3.62	120.46	124.53
34	1	616	LUT	C35-C34-C33	-3.62	122.14	127.31
33	S	302	CHL	O2D-CGD-CBD	3.62	117.69	111.27
28	B	851	BCR	C21-C20-C19	-3.62	111.93	123.22
34	7	314	LUT	C18-C5-C6	-3.62	120.47	124.53
33	U	308	CHL	CHD-C1D-ND	-3.61	121.13	124.45
33	4	314	CHL	CHD-C1D-ND	-3.61	121.13	124.45
25	6	601	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
33	P	605	CHL	CHD-C1D-ND	-3.61	121.13	124.45
28	J	106	BCR	C1-C6-C5	-3.61	117.52	122.61
28	5	323	BCR	C33-C5-C6	-3.61	120.47	124.53
33	1	606	CHL	CHA-C4D-ND	3.61	140.06	132.50
25	8	309	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
33	Q	606	CHL	CHA-C4D-ND	3.61	140.05	132.50
25	Q	618	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
33	R	605	CHL	CHA-C4D-ND	3.61	140.05	132.50
28	A	847	BCR	C38-C26-C25	-3.61	120.48	124.53
25	2	309	CLA	CMB-C2B-C3B	3.61	131.42	124.68
33	S	309	CHL	O2D-CGD-CBD	3.60	117.67	111.27
33	P	622	CHL	C6-C5-C3	-3.60	108.72	114.62
25	1	612	CLA	C4D-C3D-CAD	3.60	112.34	108.10

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	851	BCR	C33-C5-C4	3.60	120.54	113.62
34	U	314	LUT	C21-C26-C27	-3.60	108.15	112.70
33	6	607	CHL	C1D-CHD-C4C	-3.60	118.29	126.06
25	5	319	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
25	5	310	CLA	CMB-C2B-C3B	3.60	131.41	124.68
25	A	815	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
25	5	314	CLA	CMB-C2B-C1B	-3.60	122.93	128.46
28	A	849	BCR	C3-C4-C5	-3.60	107.66	114.08
25	A	836	CLA	O2D-CGD-O1D	-3.60	116.81	123.84
25	A	816	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
35	T	615	XAT	C26-C27-C28	-3.59	118.39	125.99
34	T	614	LUT	C15-C14-C13	-3.59	122.18	127.31
33	6	608	CHL	CHD-C4C-NC	3.59	129.86	124.20
25	A	809	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
25	5	303	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
28	B	842	BCR	C33-C5-C6	-3.59	120.50	124.53
25	L	205	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
33	4	304	CHL	CMD-C2D-C3D	-3.59	119.36	127.61
33	R	608	CHL	CHD-C1D-ND	-3.59	121.16	124.45
28	8	318	BCR	C7-C8-C9	-3.59	120.81	126.23
33	Q	606	CHL	C3B-C4B-NB	3.59	113.85	109.21
36	U	301	NEX	O24-C25-C38	3.59	119.35	115.06
28	8	318	BCR	C33-C5-C6	-3.59	120.50	124.53
25	8	303	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
33	R	607	CHL	CHD-C1D-ND	-3.59	121.16	124.45
25	T	611	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
25	Q	612	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
25	B	818	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
33	4	306	CHL	C1D-ND-C4D	3.58	108.88	106.33
25	A	835	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
25	6	615	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
34	1	617	LUT	C7-C8-C9	-3.58	120.83	126.23
25	7	307	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
28	A	846	BCR	C15-C14-C13	-3.58	122.20	127.31
33	6	606	CHL	C3B-C4B-NB	3.58	113.83	109.21
28	B	844	BCR	C3-C4-C5	-3.58	107.69	114.08
33	S	308	CHL	CHA-C4D-ND	3.58	139.98	132.50
33	S	302	CHL	C3C-C4C-NC	3.58	114.58	110.57
28	J	101	BCR	C7-C8-C9	-3.58	120.83	126.23
33	8	307	CHL	O1D-CGD-CBD	-3.57	117.17	124.48
25	U	303	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
33	T	607	CHL	C2A-C1A-CHA	-3.57	117.61	123.86

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	R	606	CHL	CMD-C2D-C3D	-3.57	119.39	127.61
33	6	606	CHL	CHD-C4C-NC	3.57	129.83	124.20
28	7	316	BCR	C3-C4-C5	-3.57	107.70	114.08
25	8	308	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
28	F	803	BCR	C3-C4-C5	-3.57	107.70	114.08
33	P	607	CHL	CHD-C1D-ND	-3.57	121.17	124.45
34	8	317	LUT	C7-C8-C9	-3.57	120.84	126.23
25	P	611	CLA	CMA-C3A-C4A	-3.57	102.18	111.77
25	1	611	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
28	A	849	BCR	C34-C9-C10	-3.57	117.93	122.92
25	a	303	CLA	C6-C5-C3	-3.57	104.10	113.45
33	T	604	CHL	CHA-C4D-ND	3.57	139.96	132.50
34	T	613	LUT	C18-C5-C6	-3.56	120.53	124.53
25	5	312	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
33	U	306	CHL	CHA-C4D-ND	3.56	139.95	132.50
25	B	829	CLA	CMB-C2B-C1B	-3.56	123.00	128.46
33	P	606	CHL	CHA-C4D-ND	3.56	139.94	132.50
33	P	619	CHL	CHD-C1D-ND	-3.56	121.19	124.45
34	6	622	LUT	C18-C5-C6	-3.56	120.53	124.53
33	P	622	CHL	C2A-C1A-CHA	-3.55	117.64	123.86
28	A	846	BCR	C33-C5-C6	-3.55	120.54	124.53
33	S	308	CHL	C3B-C4B-NB	3.55	113.80	109.21
25	2	313	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
25	a	308	CLA	O2D-CGD-O1D	-3.55	116.91	123.84
28	B	842	BCR	C15-C14-C13	-3.55	122.25	127.31
25	a	312	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
28	3	319	BCR	C20-C19-C18	-3.54	116.46	126.42
25	H	203	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
33	T	604	CHL	C3B-C4B-NB	3.54	113.79	109.21
35	P	620	XAT	C26-C27-C28	-3.54	118.51	125.99
34	S	317	LUT	C31-C32-C33	-3.54	116.47	126.42
33	U	306	CHL	CHD-C1D-ND	-3.54	121.20	124.45
25	Q	610	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
25	8	315	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
33	5	317	CHL	CHD-C4C-NC	3.54	129.78	124.20
33	T	605	CHL	CHA-C4D-ND	3.54	139.90	132.50
33	U	305	CHL	C2A-C1A-CHA	-3.54	117.68	123.86
33	U	305	CHL	C3B-C4B-NB	3.54	113.78	109.21
25	7	309	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
25	A	833	CLA	CMB-C2B-C1B	-3.53	123.03	128.46
33	U	307	CHL	CHA-C4D-ND	3.53	139.89	132.50
27	1	618	LHG	C5-O7-C7	-3.53	109.09	117.79

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	G	203	BCR	C33-C5-C6	-3.53	120.56	124.53
33	T	606	CHL	CHA-C4D-ND	3.53	139.89	132.50
36	T	616	NEX	C17-C1-C6	-3.53	107.31	110.47
25	H	205	CLA	CMB-C2B-C3B	3.53	131.28	124.68
25	P	603	CLA	CMB-C2B-C1B	-3.53	123.04	128.46
33	U	308	CHL	CAC-C3C-C4C	3.53	129.39	124.81
33	S	309	CHL	CHD-C4C-NC	3.53	129.76	124.20
25	B	815	CLA	O2D-CGD-O1D	-3.53	116.94	123.84
33	Q	605	CHL	CAA-C2A-C3A	-3.53	107.87	116.10
34	Q	615	LUT	C15-C14-C13	-3.53	122.28	127.31
25	1	603	CLA	CMB-C2B-C1B	-3.53	123.05	128.46
25	6	620	CLA	CMB-C2B-C1B	-3.53	123.05	128.46
33	P	622	CHL	CHA-C4D-ND	3.52	139.87	132.50
34	P	614	LUT	C11-C10-C9	-3.52	122.28	127.31
25	A	842	CLA	CAC-C3C-C2C	3.52	133.55	127.53
25	Q	610	CLA	CBD-CHA-C1A	3.52	132.65	128.50
36	R	617	NEX	C31-C30-C29	-3.52	122.29	127.31
25	B	802	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
25	7	309	CLA	CAA-C2A-C3A	-3.52	107.89	116.10
33	5	308	CHL	O2A-CGA-CBA	3.52	122.95	111.91
25	L	209	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
25	7	303	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
34	T	613	LUT	C21-C26-C27	-3.52	108.25	112.70
33	6	608	CHL	CHD-C1D-ND	-3.52	121.22	124.45
33	8	307	CHL	CHD-C1D-ND	-3.52	121.22	124.45
33	3	306	CHL	C6-C5-C3	-3.52	108.87	114.62
33	4	322	CHL	CHA-C4D-ND	3.51	139.85	132.50
34	P	614	LUT	C35-C15-C14	-3.51	116.28	123.47
25	A	853	CLA	CMB-C2B-C1B	-3.51	123.06	128.46
25	R	603	CLA	CMB-C2B-C1B	-3.51	123.06	128.46
27	5	301	LHG	O7-C7-C8	3.51	119.07	111.50
25	3	320	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
28	I	201	BCR	C33-C5-C4	3.51	120.36	113.62
33	1	601	CHL	C1D-CHD-C4C	-3.51	118.48	126.06
28	L	203	BCR	C38-C26-C25	-3.51	120.59	124.53
33	R	606	CHL	C3B-C4B-NB	3.51	113.75	109.21
27	Q	617	LHG	O7-C7-C8	3.51	119.06	111.50
33	P	605	CHL	C3B-C4B-NB	3.51	113.75	109.21
34	U	314	LUT	C35-C15-C14	-3.51	116.29	123.47
33	S	310	CHL	CAC-C3C-C4C	3.51	129.36	124.81
25	B	834	CLA	O2D-CGD-O1D	-3.51	116.98	123.84
25	A	838	CLA	CMB-C2B-C1B	-3.51	123.08	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	4	304	CHL	C3B-C4B-NB	3.51	113.74	109.21
33	6	617	CHL	CAC-C3C-C4C	3.51	129.36	124.81
25	A	825	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
25	B	833	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
25	1	609	CLA	CMB-C2B-C3B	3.50	131.23	124.68
25	A	834	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
25	a	309	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
33	S	306	CHL	C1B-CHB-C4A	-3.50	123.18	130.12
33	1	601	CHL	C1D-ND-C4D	3.50	108.82	106.33
34	R	615	LUT	C11-C10-C9	-3.50	122.31	127.31
34	8	316	LUT	C16-C1-C6	-3.50	104.62	110.30
28	4	321	BCR	C3-C4-C5	-3.50	107.83	114.08
25	S	313	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
33	R	607	CHL	C3B-C4B-NB	3.50	113.73	109.21
33	8	307	CHL	O2D-CGD-O1D	-3.50	117.00	123.84
33	8	307	CHL	CAC-C3C-C4C	3.50	129.35	124.81
34	T	614	LUT	C35-C34-C33	-3.50	122.32	127.31
33	P	607	CHL	C3B-C4B-NB	3.50	113.73	109.21
25	S	311	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
25	4	301	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
25	B	808	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
33	R	606	CHL	CHA-C4D-ND	3.49	139.81	132.50
25	K	202	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
28	8	318	BCR	C16-C17-C18	-3.49	122.33	127.31
34	P	615	LUT	C15-C14-C13	-3.49	122.33	127.31
25	A	801	CLA	CMB-C2B-C3B	3.49	131.21	124.68
33	Q	607	CHL	C3B-C4B-NB	3.49	113.72	109.21
25	6	612	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
33	T	601	CHL	CHA-C4D-ND	3.49	139.79	132.50
25	7	302	CLA	CMB-C2B-C1B	-3.49	123.11	128.46
28	I	201	BCR	C11-C10-C9	-3.49	122.34	127.31
33	Q	606	CHL	CAC-C3C-C4C	3.49	129.33	124.81
33	Q	605	CHL	CHD-C1D-ND	-3.48	121.25	124.45
33	4	322	CHL	C4-C3-C5	3.48	121.13	115.27
34	4	315	LUT	C15-C14-C13	-3.48	122.34	127.31
28	K	206	BCR	C36-C18-C17	-3.48	118.05	122.92
25	B	824	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
33	4	306	CHL	C1-C2-C3	-3.48	121.12	126.75
34	R	615	LUT	C7-C8-C9	-3.48	120.98	126.23
25	O	202	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
25	B	828	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
34	U	315	LUT	C15-C14-C13	-3.48	122.35	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	S	316	LUT	C18-C5-C6	-3.48	120.62	124.53
33	U	308	CHL	CHA-C4D-ND	3.48	139.77	132.50
35	S	318	XAT	C26-C27-C28	-3.47	118.65	125.99
33	P	619	CHL	C3B-C4B-NB	3.47	113.70	109.21
33	6	607	CHL	CHA-C4D-ND	3.47	139.77	132.50
36	P	621	NEX	C27-C28-C29	-3.47	120.14	125.53
25	P	602	CLA	CMB-C2B-C3B	3.47	131.18	124.68
25	G	201	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
33	T	605	CHL	C3B-C4B-NB	3.47	113.70	109.21
25	J	103	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
25	S	315	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
33	Q	601	CHL	C2A-C1A-CHA	-3.47	117.79	123.86
33	S	302	CHL	CMD-C2D-C3D	-3.47	119.63	127.61
25	3	314	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
33	S	309	CHL	C3B-C4B-NB	3.47	113.70	109.21
25	S	312	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
25	3	305	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
33	T	604	CHL	CHD-C1D-ND	-3.47	121.27	124.45
33	P	608	CHL	CHA-C4D-ND	3.47	139.75	132.50
32	6	602	LMG	C4-C3-C2	3.47	116.88	110.82
34	1	615	LUT	C35-C15-C14	-3.47	116.37	123.47
28	8	301	BCR	C24-C23-C22	-3.47	121.00	126.23
34	7	314	LUT	C7-C8-C9	-3.47	121.00	126.23
25	A	827	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
33	4	322	CHL	C3C-C4C-NC	3.47	114.46	110.57
33	P	619	CHL	CAC-C3C-C4C	3.47	129.31	124.81
33	S	308	CHL	CAC-C3C-C4C	3.47	129.31	124.81
25	6	623	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
25	9	301	CLA	CAB-C3B-C4B	-3.46	123.14	128.46
33	R	601	CHL	C2A-C1A-CHA	-3.46	117.80	123.86
33	P	608	CHL	C3B-C4B-NB	3.46	113.69	109.21
33	R	605	CHL	CHD-C1D-ND	-3.46	121.27	124.45
33	3	306	CHL	C1D-ND-C4D	3.46	108.80	106.33
34	8	316	LUT	C15-C14-C13	-3.46	122.37	127.31
25	3	308	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
25	9	308	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
33	6	607	CHL	C3B-C4B-NB	3.46	113.69	109.21
33	Q	607	CHL	CHA-C4D-ND	3.46	139.74	132.50
33	6	606	CHL	C1D-ND-C4D	3.46	108.79	106.33
25	B	836	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
33	P	601	CHL	C2A-C1A-CHA	-3.46	117.81	123.86
25	U	304	CLA	CMB-C2B-C1B	-3.46	123.15	128.46

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	824	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
25	a	306	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
28	A	846	BCR	C7-C8-C9	-3.46	121.01	126.23
27	a	317	LHG	C5-O7-C7	-3.45	109.28	117.79
25	A	837	CLA	CMB-C2B-C1B	-3.45	123.15	128.46
35	P	616	XAT	C26-C27-C28	-3.45	118.69	125.99
25	T	602	CLA	CMB-C2B-C3B	3.45	131.14	124.68
33	R	608	CHL	C3B-C4B-NB	3.45	113.67	109.21
28	F	803	BCR	C21-C20-C19	-3.45	112.44	123.22
33	P	605	CHL	CHA-C4D-ND	3.45	139.72	132.50
33	4	305	CHL	C2A-C1A-CHA	-3.45	117.82	123.86
34	a	314	LUT	C18-C5-C6	-3.45	120.65	124.53
33	U	307	CHL	C3B-C4B-NB	3.45	113.67	109.21
28	F	803	BCR	C15-C16-C17	-3.45	116.41	123.47
25	A	821	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
25	A	831	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
33	5	308	CHL	C3C-C4C-NC	3.45	114.44	110.57
33	Q	606	CHL	CHD-C1D-ND	-3.45	121.28	124.45
33	6	617	CHL	C3B-C4B-NB	3.45	113.67	109.21
25	K	201	CLA	O2D-CGD-O1D	-3.45	117.09	123.84
25	5	313	CLA	O2D-CGD-O1D	-3.45	117.10	123.84
28	F	803	BCR	C1-C6-C5	-3.44	117.76	122.61
25	3	310	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
33	5	317	CHL	CHA-C4D-ND	3.44	139.70	132.50
33	P	607	CHL	CAC-C3C-C4C	3.44	129.28	124.81
25	A	833	CLA	O2D-CGD-O1D	-3.44	117.11	123.84
25	R	612	CLA	C11-C10-C8	3.44	127.05	115.92
25	4	308	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
33	Q	605	CHL	C1D-ND-C4D	3.44	108.78	106.33
33	4	322	CHL	C1D-CHD-C4C	-3.44	118.64	126.06
25	A	802	CLA	CMB-C2B-C3B	3.44	131.11	124.68
33	U	306	CHL	C3B-C4B-NB	3.44	113.66	109.21
36	R	617	NEX	C17-C1-C6	-3.44	107.39	110.47
33	U	309	CHL	CHA-C4D-ND	3.44	139.69	132.50
25	B	801	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
32	6	602	LMG	C3-C4-C5	3.44	116.37	110.24
33	R	608	CHL	CHA-C4D-ND	3.44	139.69	132.50
33	R	605	CHL	CAA-C2A-C3A	-3.43	103.37	112.78
34	8	317	LUT	C18-C5-C6	-3.43	120.67	124.53
28	A	854	BCR	C33-C5-C6	-3.43	120.67	124.53
25	P	612	CLA	C11-C10-C8	3.43	127.01	115.92
25	a	310	CLA	CMB-C2B-C1B	-3.43	123.19	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	K	204	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
25	S	301	CLA	CMB-C2B-C3B	3.43	131.09	124.68
25	B	838	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
25	H	202	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
25	P	603	CLA	CHB-C4A-NA	3.43	129.25	124.51
28	7	316	BCR	C16-C17-C18	-3.43	122.42	127.31
33	S	321	CHL	CHD-C4C-NC	3.43	129.60	124.20
33	R	608	CHL	CAC-C3C-C4C	3.43	129.25	124.81
28	I	201	BCR	C16-C15-C14	-3.42	116.46	123.47
34	R	616	LUT	C18-C5-C6	-3.42	120.68	124.53
33	1	601	CHL	C3C-C4C-NC	3.42	114.41	110.57
34	R	615	LUT	C35-C15-C14	-3.42	116.46	123.47
25	4	308	CLA	O2D-CGD-O1D	-3.42	117.15	123.84
25	K	201	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
33	1	606	CHL	C1D-CHD-C4C	-3.42	118.68	126.06
36	U	301	NEX	C11-C12-C13	-3.42	116.81	126.42
34	4	315	LUT	C7-C8-C9	-3.42	121.07	126.23
33	U	306	CHL	C1D-ND-C4D	3.42	108.76	106.33
25	P	611	CLA	C4D-CHA-C1A	-3.42	117.09	121.25
28	I	201	BCR	C7-C8-C9	-3.42	121.07	126.23
33	Q	605	CHL	C3B-C4B-NB	3.42	113.63	109.21
33	R	606	CHL	CHD-C1D-ND	-3.42	121.31	124.45
25	B	806	CLA	O2D-CGD-O1D	-3.41	117.16	123.84
33	3	306	CHL	C1-C2-C3	-3.41	120.14	126.04
33	S	308	CHL	CHD-C1D-ND	-3.41	121.32	124.45
27	5	321	LHG	C5-O7-C7	-3.41	109.39	117.79
25	B	820	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
25	1	613	CLA	O1D-CGD-CBD	3.41	131.46	124.48
25	L	209	CLA	CAA-C2A-C3A	-3.41	108.15	116.10
33	9	306	CHL	C3C-C4C-NC	3.41	114.39	110.57
33	R	607	CHL	CAC-C3C-C4C	3.41	129.23	124.81
25	5	316	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
28	L	207	BCR	C24-C23-C22	-3.40	121.09	126.23
33	P	608	CHL	CAC-C3C-C4C	3.40	129.23	124.81
25	R	602	CLA	CMB-C2B-C3B	3.40	131.05	124.68
33	Q	607	CHL	CAC-C3C-C4C	3.40	129.22	124.81
33	T	604	CHL	CAA-C2A-C3A	-3.40	103.46	112.78
36	P	617	NEX	C31-C30-C29	-3.40	122.45	127.31
28	J	106	BCR	C23-C22-C21	3.40	124.16	118.94
33	S	321	CHL	C3B-C4B-NB	3.40	113.61	109.21
28	B	842	BCR	C3-C4-C5	-3.40	108.01	114.08
25	R	604	CLA	CMB-C2B-C3B	3.40	131.04	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	4	306	CHL	CHD-C1D-ND	-3.40	121.33	124.45
25	4	313	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
25	A	839	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
28	B	841	BCR	C1-C6-C5	-3.39	117.83	122.61
33	4	305	CHL	CHA-C4D-ND	3.39	139.60	132.50
25	1	604	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
28	L	208	BCR	C11-C10-C9	-3.39	122.47	127.31
33	1	601	CHL	CHD-C4C-NC	3.39	129.55	124.20
33	4	304	CHL	C1B-CHB-C4A	-3.39	123.40	130.12
33	a	305	CHL	CHA-C4D-ND	3.39	139.59	132.50
28	F	803	BCR	C11-C12-C13	-3.39	116.89	126.42
25	3	311	CLA	O2D-CGD-O1D	-3.39	117.21	123.84
28	7	316	BCR	C38-C26-C25	-3.39	120.72	124.53
25	R	614	CLA	O2D-CGD-O1D	-3.39	117.21	123.84
28	4	321	BCR	C38-C26-C27	3.39	120.12	113.62
34	4	315	LUT	C20-C13-C12	3.39	123.41	118.08
33	S	302	CHL	CHD-C4C-NC	3.39	129.54	124.20
25	2	314	CLA	O2D-CGD-O1D	-3.39	117.22	123.84
25	R	613	CLA	CMB-C2B-C1B	-3.38	123.26	128.46
33	T	605	CHL	C1D-ND-C4D	3.38	108.74	106.33
25	Q	609	CLA	CMB-C2B-C3B	3.38	131.01	124.68
25	U	312	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
25	G	202	CLA	CMB-C2B-C3B	3.38	131.00	124.68
28	4	321	BCR	C33-C5-C4	3.38	120.11	113.62
33	3	306	CHL	C3B-C4B-NB	3.38	113.58	109.21
25	B	825	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
34	5	322	LUT	C3-C4-C5	-3.38	105.12	111.85
25	8	313	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
33	S	321	CHL	CHA-C4D-ND	3.38	139.56	132.50
25	a	313	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
34	Q	615	LUT	C10-C11-C12	-3.37	112.69	123.22
25	S	320	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
25	T	603	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
25	5	302	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
33	S	308	CHL	CHD-C4C-NC	3.37	129.51	124.20
25	U	313	CLA	CMB-C2B-C1B	-3.37	123.28	128.46
25	B	803	CLA	CMB-C2B-C3B	3.37	130.98	124.68
25	P	613	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
32	J	107	LMG	O7-C10-C11	3.37	118.76	111.50
25	B	816	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
25	B	811	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
33	5	307	CHL	O2A-CGA-CBA	3.37	122.47	111.91

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	T	606	CHL	C3B-C4B-NB	3.37	113.56	109.21
34	U	315	LUT	C35-C34-C33	-3.37	122.51	127.31
28	B	842	BCR	C33-C5-C4	3.37	120.08	113.62
33	U	308	CHL	C1D-ND-C4D	3.37	108.73	106.33
28	A	849	BCR	C10-C11-C12	-3.36	112.72	123.22
36	P	621	NEX	C24-C23-C22	-3.36	104.28	110.77
25	R	611	CLA	C1-O2A-CGA	3.36	125.27	116.44
25	4	310	CLA	CHB-C4A-NA	3.36	129.16	124.51
33	Q	601	CHL	CHA-C4D-ND	3.36	139.53	132.50
34	8	317	LUT	C15-C14-C13	-3.36	122.52	127.31
33	P	601	CHL	CHA-C4D-ND	3.36	139.53	132.50
25	A	822	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
25	5	306	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
33	S	310	CHL	CHA-C4D-ND	3.36	139.52	132.50
25	5	305	CLA	CMB-C2B-C1B	-3.36	123.31	128.46
33	7	305	CHL	CHD-C1D-ND	-3.36	121.37	124.45
33	5	307	CHL	CHC-C1C-NC	3.36	129.29	124.20
36	T	616	NEX	C31-C30-C29	-3.36	122.52	127.31
33	8	307	CHL	C1D-CHD-C4C	-3.36	118.82	126.06
33	Q	606	CHL	C1D-ND-C4D	3.35	108.72	106.33
33	6	607	CHL	C3C-C4C-NC	3.35	114.33	110.57
25	K	203	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
28	K	206	BCR	C11-C10-C9	-3.35	122.53	127.31
33	4	306	CHL	CAC-C3C-C4C	3.35	129.16	124.81
33	S	310	CHL	CHD-C1D-ND	-3.35	121.37	124.45
28	8	318	BCR	C23-C24-C25	-3.35	117.79	127.20
28	B	843	BCR	C7-C8-C9	-3.35	121.17	126.23
25	B	807	CLA	O2D-CGD-O1D	-3.35	117.29	123.84
25	4	303	CLA	O2D-CGD-O1D	-3.35	117.29	123.84
25	R	610	CLA	CMB-C2B-C3B	3.35	130.94	124.68
33	4	314	CHL	C3B-C4B-NB	3.35	113.54	109.21
25	A	812	CLA	CMB-C2B-C3B	3.35	130.94	124.68
33	S	321	CHL	C4A-NA-C1A	-3.35	105.20	106.71
33	R	601	CHL	CHA-C4D-ND	3.35	139.50	132.50
25	2	302	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
25	8	306	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
25	K	204	CLA	CHB-C4A-NA	3.35	129.14	124.51
25	T	609	CLA	CMB-C2B-C1B	-3.34	123.32	128.46
25	7	312	CLA	O2D-CGD-O1D	-3.34	117.30	123.84
36	P	617	NEX	C39-C29-C30	-3.34	118.24	122.92
28	L	203	BCR	C20-C21-C22	-3.34	122.54	127.31
33	5	308	CHL	CHD-C4C-NC	3.34	129.47	124.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	P	623	XAT	C10-C11-C12	-3.34	116.33	124.67
28	F	803	BCR	C33-C5-C4	3.34	120.03	113.62
34	Q	614	LUT	C35-C15-C14	-3.34	116.63	123.47
25	L	201	CLA	O2D-CGD-O1D	-3.34	117.31	123.84
33	T	604	CHL	C1D-ND-C4D	3.34	108.71	106.33
34	9	313	LUT	C35-C34-C33	-3.34	122.55	127.31
25	B	825	CLA	O2D-CGD-O1D	-3.34	117.31	123.84
28	3	318	BCR	C15-C16-C17	-3.34	116.64	123.47
36	P	621	NEX	C26-C27-C28	-3.34	118.94	125.99
25	U	310	CLA	CMB-C2B-C3B	3.34	130.92	124.68
28	B	851	BCR	C3-C4-C5	-3.34	108.12	114.08
25	3	309	CLA	CAA-C2A-C3A	-3.34	108.31	116.10
33	P	606	CHL	C1D-ND-C4D	3.33	108.70	106.33
25	5	315	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
36	T	616	NEX	C11-C12-C13	-3.33	117.05	126.42
25	B	830	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
33	9	307	CHL	CHD-C1D-ND	-3.33	121.39	124.45
25	6	616	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
32	J	107	LMG	C7-O1-C1	-3.33	107.24	113.74
25	3	311	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
25	8	305	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
28	B	851	BCR	C16-C15-C14	-3.33	116.66	123.47
25	Q	603	CLA	CMB-C2B-C1B	-3.32	123.35	128.46
27	R	618	LHG	O7-C7-C8	3.32	118.67	111.50
33	1	601	CHL	C3B-C4B-NB	3.32	113.51	109.21
33	S	310	CHL	C1D-ND-C4D	3.32	108.70	106.33
33	S	309	CHL	C1-C2-C3	-3.32	120.30	126.04
28	L	203	BCR	C4-C5-C6	-3.32	117.91	122.73
33	9	307	CHL	C1D-CHD-C4C	-3.32	118.89	126.06
25	1	604	CLA	C2D-C1D-ND	-3.32	107.66	110.10
33	5	317	CHL	CHD-C1D-ND	-3.32	121.40	124.45
25	B	810	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
36	P	617	NEX	C11-C12-C13	-3.32	117.09	126.42
36	P	621	NEX	C17-C1-C16	3.32	118.71	108.53
33	6	617	CHL	C1D-ND-C4D	3.32	108.69	106.33
28	O	205	BCR	C24-C23-C22	-3.32	121.22	126.23
25	2	310	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
34	Q	614	LUT	C11-C10-C9	-3.31	122.58	127.31
27	P	624	LHG	O7-C7-C8	3.31	118.64	111.50
34	P	614	LUT	C18-C5-C6	-3.31	120.81	124.53
25	3	309	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
25	a	308	CLA	CMB-C2B-C3B	3.31	130.87	124.68

*Continued on next page...*

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	S	318	XAT	C31-C30-C29	-3.31	122.58	127.31
25	A	814	CLA	CMB-C2B-C3B	3.31	130.87	124.68
33	4	322	CHL	CBA-CAA-C2A	-3.31	104.09	113.86
28	8	301	BCR	C11-C10-C9	-3.31	122.59	127.31
27	P	618	LHG	O7-C7-C8	3.31	118.63	111.50
25	A	819	CLA	CMB-C2B-C3B	3.31	130.87	124.68
33	U	309	CHL	OBD-CAD-C3D	-3.31	120.56	128.52
33	R	606	CHL	C1D-ND-C4D	3.31	108.69	106.33
33	5	308	CHL	C1D-ND-C4D	3.31	108.69	106.33
33	R	605	CHL	O2D-CGD-O1D	-3.30	117.38	123.84
33	1	601	CHL	CHA-C4D-ND	3.30	139.41	132.50
33	T	606	CHL	CHD-C4C-NC	3.30	129.41	124.20
25	4	310	CLA	CMB-C2B-C3B	3.30	130.86	124.68
25	5	313	CLA	CHB-C4A-NA	3.30	129.08	124.51
25	a	308	CLA	C3C-C4C-NC	-3.30	106.87	110.57
33	6	608	CHL	C3C-C4C-NC	3.30	114.27	110.57
33	3	306	CHL	CHD-C1D-ND	-3.30	121.42	124.45
33	P	622	CHL	C1D-CHD-C4C	-3.30	118.94	126.06
25	A	832	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
25	7	301	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
25	1	609	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
28	3	317	BCR	C20-C21-C22	-3.30	122.60	127.31
34	3	315	LUT	C15-C14-C13	-3.30	122.60	127.31
35	Q	616	XAT	C24-C23-C22	-3.30	104.41	110.77
33	6	607	CHL	CHD-C1D-ND	-3.29	121.43	124.45
34	a	316	LUT	C1-C2-C3	3.29	121.08	113.64
33	S	307	CHL	C1B-CHB-C4A	-3.29	123.59	130.12
25	B	812	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
30	B	848	DGD	O2G-C1B-C2B	3.29	118.60	111.50
33	U	308	CHL	C3B-C4B-NB	3.29	113.47	109.21
25	7	306	CLA	CMB-C2B-C1B	-3.29	123.40	128.46
25	2	313	CLA	CAA-C2A-C3A	-3.29	103.77	112.78
33	T	607	CHL	C4-C3-C5	3.29	119.74	115.98
33	a	305	CHL	C1D-CHD-C4C	-3.29	118.96	126.06
25	A	822	CLA	O2D-CGD-O1D	-3.29	117.41	123.84
33	U	306	CHL	CHD-C4C-NC	3.29	129.38	124.20
25	O	203	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
25	B	837	CLA	O2D-CGD-O1D	-3.29	117.41	123.84
28	O	205	BCR	C34-C9-C10	-3.29	118.32	122.92
25	T	610	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
33	6	607	CHL	C1D-ND-C4D	3.29	108.67	106.33
25	A	805	CLA	CMB-C2B-C1B	-3.28	123.42	128.46

Continued on next page...

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	O	205	BCR	C3-C4-C5	-3.28	108.21	114.08
25	L	206	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
36	U	316	NEX	C31-C30-C29	-3.28	122.63	127.31
28	A	849	BCR	C19-C18-C17	3.28	123.98	118.94
34	P	615	LUT	C10-C11-C12	-3.28	112.98	123.22
28	3	318	BCR	C38-C26-C27	3.28	119.92	113.62
25	O	201	CLA	CAA-C2A-C3A	-3.28	108.44	116.10
28	7	316	BCR	C33-C5-C4	3.28	119.92	113.62
28	B	843	BCR	C38-C26-C25	-3.28	120.85	124.53
34	7	314	LUT	C18-C5-C4	3.28	120.43	114.36
28	5	320	BCR	C38-C26-C25	-3.28	120.85	124.53
25	9	302	CLA	CMB-C2B-C3B	3.28	130.81	124.68
25	B	828	CLA	O2D-CGD-O1D	-3.28	117.43	123.84
34	6	619	LUT	C15-C14-C13	-3.27	122.64	127.31
25	T	608	CLA	CMB-C2B-C3B	3.27	130.80	124.68
25	A	842	CLA	CAC-C3C-C4C	-3.27	120.57	124.81
34	U	315	LUT	C18-C5-C6	-3.27	120.86	124.53
33	S	309	CHL	CHD-C1D-ND	-3.27	121.45	124.45
28	3	317	BCR	C38-C26-C25	-3.27	120.86	124.53
33	T	605	CHL	CHD-C4C-NC	3.27	129.35	124.20
25	F	802	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
25	B	810	CLA	O2D-CGD-O1D	-3.27	117.45	123.84
25	6	611	CLA	O2D-CGD-O1D	-3.27	117.45	123.84
25	S	305	CLA	CMB-C2B-C3B	3.27	130.79	124.68
25	A	831	CLA	O2D-CGD-O1D	-3.26	117.45	123.84
25	B	837	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
34	T	613	LUT	C11-C10-C9	-3.26	122.65	127.31
36	U	316	NEX	C11-C12-C13	-3.26	117.25	126.42
34	T	613	LUT	C35-C15-C14	-3.26	116.79	123.47
25	a	304	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
28	J	106	BCR	C20-C19-C18	-3.26	117.26	126.42
34	a	315	LUT	C35-C34-C33	-3.26	122.66	127.31
25	U	311	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
28	I	201	BCR	C33-C5-C6	-3.26	120.87	124.53
25	6	620	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
25	9	310	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
25	Q	611	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
33	6	608	CHL	O2A-CGA-CBA	3.26	122.13	111.91
25	4	311	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
33	5	317	CHL	C3B-C4B-NB	3.26	113.42	109.21
25	P	610	CLA	CMB-C2B-C3B	3.26	130.77	124.68
28	B	844	BCR	C11-C10-C9	-3.25	122.67	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	P	606	CHL	CHD-C4C-NC	3.25	129.33	124.20
28	A	849	BCR	C38-C26-C25	-3.25	120.88	124.53
28	8	301	BCR	C38-C26-C25	-3.25	120.88	124.53
33	6	607	CHL	CHD-C4C-NC	3.25	129.32	124.20
33	4	305	CHL	C1D-CHD-C4C	-3.25	119.05	126.06
25	5	310	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
34	2	315	LUT	C15-C14-C13	-3.25	122.67	127.31
33	6	607	CHL	CAC-C3C-C4C	3.25	129.02	124.81
25	B	821	CLA	CMB-C2B-C1B	-3.25	123.48	128.46
25	6	611	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
35	P	623	XAT	C24-C23-C22	-3.24	104.51	110.77
25	B	849	CLA	CMB-C2B-C3B	3.24	130.75	124.68
34	P	614	LUT	C21-C26-C27	-3.24	108.60	112.70
33	4	304	CHL	CHD-C4C-NC	3.24	129.31	124.20
28	B	844	BCR	C38-C26-C25	-3.24	120.89	124.53
25	5	303	CLA	O2D-CGD-O1D	-3.24	117.50	123.84
25	A	806	CLA	CMB-C2B-C3B	3.24	130.74	124.68
25	1	613	CLA	CMB-C2B-C1B	-3.24	123.49	128.46
25	2	308	CLA	CMB-C2B-C1B	-3.23	123.49	128.46
34	1	615	LUT	C21-C26-C27	-3.23	108.61	112.70
34	T	614	LUT	C10-C11-C12	-3.23	113.12	123.22
34	2	315	LUT	C7-C8-C9	-3.23	121.35	126.23
33	6	617	CHL	CHD-C4C-NC	3.23	129.29	124.20
32	1	619	LMG	C8-O7-C10	-3.23	109.84	117.79
34	Q	614	LUT	C21-C26-C27	-3.23	108.62	112.70
36	U	301	NEX	C4-C3-C2	-3.23	104.54	110.77
33	9	306	CHL	C1D-CHD-C4C	-3.23	119.09	126.06
34	R	616	LUT	C21-C26-C27	-3.23	108.62	112.70
33	U	308	CHL	CHD-C4C-NC	3.23	129.29	124.20
33	4	304	CHL	C1D-CHD-C4C	-3.23	119.10	126.06
25	B	815	CLA	CMB-C2B-C3B	3.23	130.71	124.68
33	S	310	CHL	C3B-C4B-NB	3.22	113.38	109.21
33	4	322	CHL	C3B-C4B-NB	3.22	113.38	109.21
28	A	849	BCR	C24-C23-C22	-3.22	121.37	126.23
33	P	605	CHL	CHD-C4C-NC	3.22	129.28	124.20
25	T	612	CLA	CMB-C2B-C3B	3.22	130.71	124.68
28	4	321	BCR	C1-C6-C7	3.22	124.89	115.78
28	8	301	BCR	C20-C21-C22	-3.22	122.72	127.31
33	Q	605	CHL	CAC-C3C-C4C	3.22	128.99	124.81
34	U	315	LUT	C8-C7-C6	-3.22	118.17	127.20
25	T	612	CLA	O2D-CGD-O1D	-3.22	117.55	123.84
28	L	208	BCR	C3-C4-C5	-3.22	108.33	114.08

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	S	316	LUT	C18-C5-C4	3.22	120.31	114.36
33	U	307	CHL	CHD-C4C-NC	3.22	129.27	124.20
33	S	307	CHL	CAC-C3C-C4C	3.21	128.98	124.81
25	3	305	CLA	O2D-CGD-O1D	-3.21	117.55	123.84
25	A	808	CLA	CMB-C2B-C1B	-3.21	123.52	128.46
35	S	318	XAT	C15-C35-C34	-3.21	116.89	123.47
35	Q	616	XAT	C7-C8-C9	-3.21	120.54	125.53
25	B	823	CLA	CMB-C2B-C3B	3.21	130.69	124.68
25	Q	618	CLA	CMB-C2B-C3B	3.21	130.69	124.68
25	a	303	CLA	C1B-CHB-C4A	-3.21	123.76	130.12
25	Q	610	CLA	CMB-C2B-C3B	3.21	130.69	124.68
34	R	616	LUT	C8-C7-C6	-3.21	118.19	127.20
33	P	622	CHL	C3B-C4B-NB	3.21	113.36	109.21
25	L	201	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
34	9	313	LUT	C15-C14-C13	-3.21	122.73	127.31
33	P	606	CHL	C3B-C4B-NB	3.21	113.35	109.21
28	I	201	BCR	C20-C19-C18	-3.20	117.41	126.42
28	F	803	BCR	C35-C13-C14	-3.20	118.43	122.92
33	4	305	CHL	CAC-C3C-C4C	3.20	128.97	124.81
25	A	823	CLA	CMB-C2B-C3B	3.20	130.67	124.68
34	R	616	LUT	C15-C14-C13	-3.20	122.74	127.31
33	7	305	CHL	CHD-C4C-NC	3.20	129.25	124.20
33	1	606	CHL	CHD-C4C-NC	3.20	129.25	124.20
33	P	622	CHL	C1-C2-C3	-3.20	120.51	126.04
34	S	317	LUT	C7-C8-C9	-3.20	121.40	126.23
33	P	608	CHL	C1B-CHB-C4A	-3.20	123.78	130.12
25	A	828	CLA	C1-C2-C3	-3.20	120.51	126.04
25	B	801	CLA	C1-C2-C3	-3.20	120.51	126.04
34	R	615	LUT	C21-C26-C27	-3.20	108.66	112.70
34	5	322	LUT	C35-C34-C33	-3.20	122.75	127.31
25	a	311	CLA	CMB-C2B-C1B	-3.20	123.55	128.46
33	R	609	CHL	CAA-C2A-C3A	-3.19	104.03	112.78
25	Q	603	CLA	CHB-C4A-NA	3.19	128.93	124.51
25	B	831	CLA	CAA-CBA-CGA	-3.19	103.92	113.25
28	7	316	BCR	C8-C7-C6	-3.19	118.23	127.20
33	4	306	CHL	C3B-C4B-NB	3.19	113.34	109.21
34	6	619	LUT	C18-C5-C4	3.19	120.27	114.36
33	S	302	CHL	C1D-CHD-C4C	-3.19	119.17	126.06
25	A	829	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
25	Q	613	CLA	CMB-C2B-C3B	3.19	130.65	124.68
25	7	312	CLA	CMB-C2B-C3B	3.19	130.65	124.68
33	T	604	CHL	CHD-C4C-NC	3.19	129.23	124.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	P	608	CHL	C1D-ND-C4D	3.19	108.60	106.33
34	U	314	LUT	C18-C5-C6	-3.19	120.95	124.53
25	1	614	CLA	CMB-C2B-C1B	-3.19	123.56	128.46
25	B	826	CLA	CMB-C2B-C1B	-3.19	123.56	128.46
33	S	306	CHL	CHD-C1D-ND	-3.19	121.53	124.45
25	4	310	CLA	C2A-C1A-CHA	3.19	129.43	123.86
33	5	307	CHL	CHD-C4C-NC	3.19	129.22	124.20
28	O	204	BCR	C33-C5-C4	3.19	119.73	113.62
25	B	816	CLA	CMB-C2B-C3B	3.18	130.64	124.68
34	U	315	LUT	C10-C11-C12	-3.18	113.28	123.22
33	P	619	CHL	C1D-ND-C4D	3.18	108.60	106.33
25	L	209	CLA	CHB-C4A-NA	3.18	128.91	124.51
33	6	606	CHL	C1D-CHD-C4C	-3.18	119.19	126.06
25	6	616	CLA	O2D-CGD-O1D	-3.18	117.62	123.84
33	P	609	CHL	CAA-C2A-C3A	-3.18	104.07	112.78
33	Q	608	CHL	CAA-C2A-C3A	-3.18	104.07	112.78
33	R	605	CHL	CHB-C4A-NA	3.18	128.91	124.51
25	B	835	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
33	T	606	CHL	C1B-CHB-C4A	-3.18	123.82	130.12
33	R	608	CHL	C1B-CHB-C4A	-3.18	123.82	130.12
33	U	305	CHL	CHD-C1D-ND	-3.18	121.53	124.45
33	7	305	CHL	C3B-C4B-NB	3.18	113.32	109.21
33	4	314	CHL	CHD-C4C-NC	3.18	129.21	124.20
34	a	314	LUT	C21-C26-C27	-3.18	108.69	112.70
25	6	604	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
28	O	205	BCR	C28-C27-C26	-3.18	108.41	114.08
33	9	306	CHL	CAC-C3C-C4C	3.18	128.93	124.81
25	A	811	CLA	O2D-CGD-O1D	-3.17	117.63	123.84
36	P	617	NEX	C35-C15-C14	-3.17	116.97	123.47
33	R	608	CHL	CHD-C4C-NC	3.17	129.20	124.20
33	4	322	CHL	CHD-C4C-NC	3.17	129.20	124.20
33	5	317	CHL	C3C-C4C-NC	3.17	114.13	110.57
25	A	837	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
33	Q	605	CHL	CHD-C4C-NC	3.17	129.20	124.20
33	Q	607	CHL	C1B-CHB-C4A	-3.17	123.84	130.12
33	T	606	CHL	C1D-ND-C4D	3.17	108.59	106.33
33	5	307	CHL	C3B-C4B-NB	3.17	113.31	109.21
25	R	614	CLA	CMB-C2B-C3B	3.17	130.61	124.68
32	J	107	LMG	O6-C1-C2	3.17	117.06	110.35
33	Q	607	CHL	CHD-C4C-NC	3.17	129.19	124.20
34	a	315	LUT	C11-C10-C9	-3.17	122.79	127.31
25	9	310	CLA	CMB-C2B-C3B	3.17	130.60	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	1	613	CLA	O2D-CGD-O1D	-3.17	117.65	123.84
28	B	843	BCR	C24-C23-C22	-3.17	121.45	126.23
33	P	608	CHL	CHD-C4C-NC	3.17	129.19	124.20
25	A	818	CLA	O2D-CGD-O1D	-3.16	117.65	123.84
25	A	853	CLA	C1-C2-C3	-3.16	120.57	126.04
25	B	818	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
36	R	617	NEX	C35-C15-C14	-3.16	117.00	123.47
25	K	204	CLA	C2A-C1A-CHA	3.16	129.39	123.86
33	6	607	CHL	CHC-C1C-NC	3.16	129.00	124.20
33	9	306	CHL	C3B-C4B-NB	3.16	113.30	109.21
25	T	609	CLA	CMB-C2B-C3B	3.16	130.59	124.68
33	8	307	CHL	CHD-C4C-NC	3.16	129.18	124.20
28	G	203	BCR	C38-C26-C25	-3.16	120.98	124.53
33	P	607	CHL	C1D-ND-C4D	3.16	108.58	106.33
25	Q	610	CLA	C2A-C1A-CHA	3.16	127.61	122.71
28	4	317	BCR	C3-C4-C5	-3.16	108.44	114.08
33	S	310	CHL	C1-C2-C3	-3.16	120.58	126.04
34	5	322	LUT	C16-C1-C6	-3.16	105.18	110.30
25	3	312	CLA	O2D-CGD-O1D	-3.16	117.67	123.84
28	O	205	BCR	C15-C16-C17	-3.16	117.01	123.47
25	O	201	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
25	O	203	CLA	CAA-C2A-C3A	-3.16	108.74	116.10
25	5	309	CLA	CMB-C2B-C1B	-3.15	123.61	128.46
34	T	614	LUT	C21-C26-C27	-3.15	108.71	112.70
33	5	317	CHL	CAC-C3C-C4C	3.15	128.90	124.81
33	P	609	CHL	C1-C2-C3	3.15	131.50	126.04
28	B	851	BCR	C15-C14-C13	-3.15	122.81	127.31
28	A	849	BCR	C8-C9-C10	3.15	123.78	118.94
25	6	615	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
33	R	608	CHL	C1D-ND-C4D	3.15	108.57	106.33
25	H	205	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
25	A	819	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
25	B	814	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
28	A	846	BCR	C38-C26-C25	-3.15	121.00	124.53
33	7	305	CHL	C1D-CHD-C4C	-3.14	119.27	126.06
28	B	844	BCR	C20-C21-C22	-3.14	122.82	127.31
36	U	316	NEX	C17-C1-C6	-3.14	107.66	110.47
33	U	305	CHL	CHD-C4C-NC	3.14	129.15	124.20
34	5	318	LUT	C18-C5-C6	-3.14	121.00	124.53
34	a	314	LUT	C30-C31-C32	-3.14	113.42	123.22
25	A	804	CLA	CMB-C2B-C3B	3.14	130.55	124.68
25	B	822	CLA	CMB-C2B-C1B	-3.14	123.64	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	U	308	CHL	C1B-CHB-C4A	-3.14	123.90	130.12
36	U	316	NEX	C35-C15-C14	-3.14	117.04	123.47
27	A	844	LHG	C5-O7-C7	-3.14	110.06	117.79
33	Q	607	CHL	C1D-ND-C4D	3.14	108.56	106.33
25	B	834	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
33	U	306	CHL	C1D-CHD-C4C	-3.14	119.29	126.06
33	S	302	CHL	C1-C2-C3	-3.13	120.62	126.04
25	B	807	CLA	O2D-CGD-CBD	3.13	116.83	111.27
34	P	615	LUT	C21-C26-C27	-3.13	108.74	112.70
25	A	817	CLA	O2D-CGD-O1D	-3.13	117.71	123.84
28	B	843	BCR	C11-C10-C9	-3.13	122.84	127.31
25	1	609	CLA	C3C-C4C-NC	-3.13	107.06	110.57
33	R	601	CHL	CAC-C3C-C4C	3.13	128.87	124.81
33	S	310	CHL	CHD-C4C-NC	3.13	129.14	124.20
25	a	303	CLA	C5-C3-C2	-3.13	114.78	121.12
25	L	205	CLA	CMB-C2B-C3B	3.13	130.54	124.68
33	R	607	CHL	C1D-ND-C4D	3.13	108.56	106.33
28	3	318	BCR	C28-C27-C26	-3.13	108.49	114.08
36	U	301	NEX	C31-C30-C29	-3.13	122.84	127.31
25	R	611	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
25	S	304	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
25	2	306	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
25	4	312	CLA	CMB-C2B-C1B	-3.13	123.66	128.46
25	A	820	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
33	P	601	CHL	CAC-C3C-C4C	3.13	128.87	124.81
33	R	605	CHL	C3B-C4B-NB	3.13	113.25	109.21
27	T	617	LHG	O7-C7-C8	3.13	118.24	111.50
34	T	614	LUT	C8-C7-C6	-3.13	118.42	127.20
25	2	313	CLA	O2D-CGD-O1D	-3.13	117.73	123.84
34	a	316	LUT	C7-C8-C9	-3.12	121.51	126.23
25	2	312	CLA	CMB-C2B-C1B	-3.12	123.66	128.46
28	A	845	BCR	C7-C8-C9	-3.12	121.52	126.23
25	5	324	CLA	CMB-C2B-C1B	-3.12	123.66	128.46
33	5	308	CHL	C3B-C4B-NB	3.12	113.25	109.21
25	5	303	CLA	CMB-C2B-C3B	3.12	130.52	124.68
25	A	824	CLA	CMB-C2B-C3B	3.12	130.52	124.68
33	S	308	CHL	C1D-ND-C4D	3.12	108.55	106.33
33	U	307	CHL	CAC-C3C-C4C	3.12	128.86	124.81
25	a	303	CLA	C2D-C1D-ND	-3.12	107.81	110.10
33	4	305	CHL	C1-C2-C3	-3.12	121.71	126.75
25	3	320	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
34	Q	615	LUT	C21-C26-C27	-3.12	108.76	112.70

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	Q	608	CHL	C1-C2-C3	3.12	131.44	126.04
34	9	312	LUT	C15-C14-C13	-3.12	122.86	127.31
25	9	304	CLA	CMB-C2B-C1B	-3.12	123.67	128.46
33	P	619	CHL	CHD-C4C-NC	3.12	129.12	124.20
28	6	621	BCR	C8-C9-C10	3.12	123.72	118.94
25	R	612	CLA	O2A-CGA-CBA	3.12	121.69	111.91
25	A	809	CLA	O2D-CGD-O1D	-3.12	117.74	123.84
33	R	606	CHL	O2A-CGA-CBA	3.12	121.69	111.91
28	4	317	BCR	C33-C5-C6	-3.12	121.03	124.53
28	4	321	BCR	C34-C9-C10	-3.12	118.56	122.92
25	B	829	CLA	O2D-CGD-O1D	-3.12	117.75	123.84
28	8	318	BCR	C15-C16-C17	-3.12	117.09	123.47
25	2	312	CLA	O2D-CGD-O1D	-3.11	117.75	123.84
33	3	306	CHL	C1D-CHD-C4C	-3.11	119.34	126.06
33	a	305	CHL	CHD-C4C-NC	3.11	129.11	124.20
33	U	305	CHL	CHB-C4A-NA	3.11	128.81	124.51
25	5	313	CLA	C2D-C1D-ND	-3.11	107.81	110.10
33	S	309	CHL	CAC-C3C-C4C	3.11	128.85	124.81
33	R	609	CHL	C1-C2-C3	3.11	131.42	126.04
25	A	826	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
25	4	307	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
33	Q	601	CHL	CAC-C3C-C4C	3.11	128.84	124.81
33	P	607	CHL	CHD-C4C-NC	3.11	129.10	124.20
34	3	316	LUT	C11-C10-C9	-3.11	122.88	127.31
27	6	618	LHG	C5-O7-C7	-3.11	110.14	117.79
25	3	301	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
25	1	609	CLA	O2D-CGD-O1D	-3.11	117.77	123.84
26	A	841	PQN	C14-C13-C15	3.10	120.49	115.27
25	B	805	CLA	CMB-C2B-C3B	3.10	130.49	124.68
25	P	604	CLA	CMB-C2B-C1B	-3.10	123.69	128.46
33	S	321	CHL	C1D-CHD-C4C	-3.10	119.36	126.06
33	S	306	CHL	C1D-CHD-C4C	-3.10	119.37	126.06
25	B	817	CLA	CMB-C2B-C3B	3.10	130.48	124.68
28	L	204	BCR	C20-C21-C22	-3.10	122.88	127.31
25	S	320	CLA	CHB-C4A-NA	3.10	128.80	124.51
33	4	305	CHL	CHD-C4C-NC	3.10	129.09	124.20
35	T	615	XAT	C7-C8-C9	-3.10	120.72	125.53
28	L	204	BCR	C38-C26-C27	3.10	119.57	113.62
25	A	839	CLA	C1-C2-C3	-3.10	120.68	126.04
28	8	318	BCR	C21-C20-C19	-3.10	113.55	123.22
28	4	321	BCR	C27-C26-C25	-3.10	118.23	122.73
28	F	801	BCR	C16-C15-C14	-3.10	117.13	123.47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	803	CLA	C1B-CHB-C4A	-3.10	123.98	130.12
25	P	612	CLA	O2A-CGA-CBA	3.10	121.62	111.91
34	2	315	LUT	C30-C31-C32	-3.10	113.56	123.22
25	U	303	CLA	CHB-C4A-NA	3.10	128.79	124.51
25	S	314	CLA	CMB-C2B-C1B	-3.10	123.71	128.46
34	a	314	LUT	C35-C15-C14	-3.10	117.13	123.47
33	R	601	CHL	C1D-CHD-C4C	-3.10	119.38	126.06
28	B	840	BCR	C38-C26-C25	-3.10	121.05	124.53
25	B	811	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
33	T	605	CHL	C1D-CHD-C4C	-3.09	119.38	126.06
33	S	302	CHL	OBD-CAD-C3D	-3.09	121.08	128.52
25	9	308	CLA	C1-C2-C3	-3.09	121.75	126.75
25	5	324	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
34	1	616	LUT	C16-C1-C6	-3.09	105.28	110.30
25	B	832	CLA	CMB-C2B-C1B	-3.09	123.71	128.46
28	L	203	BCR	C33-C5-C4	3.09	119.55	113.62
34	5	318	LUT	C30-C31-C32	-3.09	113.58	123.22
25	Q	612	CLA	CMB-C2B-C3B	3.09	130.46	124.68
25	R	611	CLA	CMB-C2B-C3B	3.09	130.46	124.68
25	3	313	CLA	CMB-C2B-C3B	3.09	130.46	124.68
33	P	601	CHL	C1D-CHD-C4C	-3.09	119.40	126.06
25	a	301	CLA	CMB-C2B-C1B	-3.09	123.72	128.46
33	T	601	CHL	C1D-CHD-C4C	-3.09	119.40	126.06
25	A	807	CLA	CMB-C2B-C3B	3.09	130.45	124.68
33	R	606	CHL	CAC-C3C-C4C	3.08	128.81	124.81
33	T	605	CHL	CAC-C3C-C4C	3.08	128.81	124.81
33	R	607	CHL	CHD-C4C-NC	3.08	129.06	124.20
25	B	804	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
34	5	318	LUT	C35-C15-C14	-3.08	117.16	123.47
33	T	607	CHL	C1D-CHD-C4C	-3.08	119.41	126.06
25	R	610	CLA	C1-C2-C3	-3.08	120.71	126.04
25	5	306	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
25	B	803	CLA	CHB-C4A-NA	3.08	128.77	124.51
33	5	317	CHL	C1D-CHD-C4C	-3.08	119.41	126.06
33	R	606	CHL	CHD-C4C-NC	3.08	129.06	124.20
25	B	808	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
34	P	615	LUT	C19-C9-C8	3.08	122.93	118.08
25	S	303	CLA	CMB-C2B-C3B	3.08	130.44	124.68
33	U	307	CHL	C1D-ND-C4D	3.08	108.52	106.33
25	A	810	CLA	O2D-CGD-O1D	-3.08	117.83	123.84
33	S	302	CHL	C4-C3-C5	3.08	120.44	115.27
33	S	321	CHL	C1D-ND-C4D	3.07	108.52	106.33

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	L	203	BCR	C24-C23-C22	-3.07	121.59	126.23
33	P	605	CHL	C3C-C4C-NC	3.07	114.01	110.57
25	2	314	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
33	S	302	CHL	C1B-CHB-C4A	-3.07	124.04	130.12
28	O	204	BCR	C33-C5-C6	-3.07	121.08	124.53
33	Q	601	CHL	C1D-CHD-C4C	-3.07	119.44	126.06
28	B	841	BCR	C33-C5-C4	3.07	119.50	113.62
25	3	320	CLA	CHB-C4A-NA	3.07	128.75	124.51
32	6	602	LMG	O8-C28-C29	3.06	121.52	111.91
25	A	851	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
25	U	303	CLA	CMB-C2B-C3B	3.06	130.41	124.68
34	6	619	LUT	C35-C15-C14	-3.06	117.20	123.47
25	3	303	CLA	CMB-C2B-C3B	3.06	130.41	124.68
28	A	847	BCR	C33-C5-C6	-3.06	121.09	124.53
25	U	311	CLA	C1B-CHB-C4A	-3.06	124.06	130.12
28	B	841	BCR	C30-C25-C26	-3.06	118.31	122.61
25	L	209	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
25	2	312	CLA	C1-C2-C3	-3.06	120.75	126.04
25	B	831	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
28	4	317	BCR	C23-C24-C25	-3.06	118.61	127.20
25	B	824	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
33	T	605	CHL	O2A-CGA-CBA	3.06	121.50	111.91
25	T	609	CLA	CHB-C4A-NA	3.06	128.74	124.51
33	U	305	CHL	CAC-C3C-C4C	3.06	128.78	124.81
25	9	303	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
25	O	202	CLA	C2D-C1D-ND	-3.05	107.85	110.10
34	7	314	LUT	C15-C14-C13	-3.05	122.95	127.31
34	9	313	LUT	C10-C11-C12	-3.05	113.69	123.22
25	a	311	CLA	CHB-C4A-NA	3.05	128.73	124.51
25	Q	604	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
25	3	307	CLA	CMB-C2B-C3B	3.05	130.38	124.68
25	4	303	CLA	CMB-C2B-C3B	3.05	130.38	124.68
25	9	303	CLA	CMB-C2B-C3B	3.05	130.38	124.68
34	3	316	LUT	C7-C8-C9	-3.05	121.63	126.23
34	Q	615	LUT	C19-C9-C8	3.05	122.88	118.08
25	H	201	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
28	A	849	BCR	C16-C17-C18	-3.04	122.97	127.31
25	B	806	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
28	4	317	BCR	C15-C16-C17	-3.04	117.25	123.47
28	K	206	BCR	C19-C18-C17	3.04	123.61	118.94
25	A	823	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
34	R	616	LUT	C10-C11-C12	-3.04	113.73	123.22

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	845	BCR	C29-C30-C25	3.04	115.16	110.48
25	6	623	CLA	CMB-C2B-C3B	3.04	130.37	124.68
25	A	838	CLA	CMB-C2B-C3B	3.04	130.36	124.68
28	4	317	BCR	C38-C26-C27	3.04	119.45	113.62
25	a	308	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
25	A	806	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
28	3	318	BCR	C3-C4-C5	-3.04	108.66	114.08
34	2	315	LUT	C35-C15-C14	-3.04	117.25	123.47
33	1	601	CHL	CAC-C3C-C4C	3.04	128.75	124.81
33	S	307	CHL	CHD-C4C-NC	3.04	128.99	124.20
25	B	809	CLA	CMB-C2B-C3B	3.04	130.36	124.68
25	2	303	CLA	CMB-C2B-C1B	-3.04	123.80	128.46
34	P	615	LUT	C35-C34-C33	-3.04	122.98	127.31
33	P	605	CHL	CAC-C3C-C4C	3.03	128.75	124.81
25	K	205	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
25	3	303	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
33	7	305	CHL	C3C-C4C-NC	3.03	113.97	110.57
33	6	608	CHL	C1-C2-C3	-3.03	121.84	126.75
33	Q	606	CHL	C1D-CHD-C4C	-3.03	119.52	126.06
27	7	317	LHG	C5-O7-C7	-3.03	110.33	117.79
28	5	320	BCR	C2-C1-C6	3.03	115.15	110.48
33	4	314	CHL	C1B-CHB-C4A	-3.03	124.11	130.12
33	S	307	CHL	O1D-CGD-CBD	-3.03	118.28	124.48
25	1	605	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
32	J	104	LMG	C8-O7-C10	-3.03	110.33	117.79
28	5	320	BCR	C31-C1-C6	-3.03	105.38	110.30
28	6	621	BCR	C23-C24-C25	-3.03	118.69	127.20
25	8	308	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
34	P	615	LUT	C8-C7-C6	-3.03	118.69	127.20
33	U	309	CHL	C1D-CHD-C4C	-3.03	119.52	126.06
25	Q	613	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
25	Q	611	CLA	C1B-CHB-C4A	-3.03	124.12	130.12
25	1	604	CLA	CMB-C2B-C3B	3.03	130.34	124.68
25	A	835	CLA	CMB-C2B-C3B	3.02	130.34	124.68
33	R	605	CHL	CHD-C4C-NC	3.02	128.97	124.20
25	a	306	CLA	C1-C2-C3	-3.02	120.82	126.04
25	R	603	CLA	CMB-C2B-C3B	3.02	130.33	124.68
25	7	303	CLA	CMB-C2B-C3B	3.02	130.33	124.68
28	3	318	BCR	C34-C9-C10	-3.02	118.69	122.92
25	T	611	CLA	CMB-C2B-C3B	3.02	130.33	124.68
28	8	301	BCR	C16-C17-C18	-3.02	123.00	127.31
32	7	319	LMG	O8-C28-C29	3.02	121.37	111.91

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	8	307	CHL	C3B-C4B-NB	3.02	113.11	109.21
33	T	604	CHL	C3C-C4C-NC	3.02	113.95	110.57
25	B	805	CLA	CHB-C4A-NA	3.02	128.68	124.51
33	4	322	CHL	CMD-C2D-C3D	-3.02	120.68	127.61
25	B	803	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
25	1	612	CLA	C3A-C2A-C1A	3.02	105.86	101.34
33	4	322	CHL	CMB-C2B-C3B	3.01	130.32	124.68
33	9	307	CHL	CHD-C4C-NC	3.01	128.95	124.20
25	B	812	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
25	B	813	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
28	F	801	BCR	C28-C27-C26	-3.01	108.69	114.08
25	K	203	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
25	2	305	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
25	B	816	CLA	C1B-CHB-C4A	-3.01	124.15	130.12
34	2	316	LUT	C18-C5-C4	3.01	119.94	114.36
25	8	311	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
25	9	311	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
25	U	313	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
33	S	307	CHL	C1D-CHD-C4C	-3.01	119.56	126.06
25	3	313	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
25	B	829	CLA	CMB-C2B-C3B	3.01	130.31	124.68
28	O	205	BCR	C8-C9-C10	3.01	123.56	118.94
25	8	309	CLA	CMB-C2B-C3B	3.01	130.31	124.68
25	B	823	CLA	O2D-CGD-O1D	-3.01	117.96	123.84
28	B	851	BCR	C8-C7-C6	-3.01	118.76	127.20
33	9	306	CHL	C1D-ND-C4D	3.01	108.47	106.33
33	T	607	CHL	C1-C2-C3	-3.01	120.84	126.04
33	P	606	CHL	C1D-CHD-C4C	-3.01	119.57	126.06
28	B	844	BCR	C33-C5-C4	3.01	119.39	113.62
25	A	803	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
25	H	203	CLA	CMB-C2B-C3B	3.00	130.30	124.68
25	B	809	CLA	O2D-CGD-O1D	-3.00	117.96	123.84
25	B	819	CLA	O2D-CGD-O1D	-3.00	117.96	123.84
25	8	313	CLA	O2D-CGD-O1D	-3.00	117.96	123.84
33	S	321	CHL	CAC-C3C-C4C	3.00	128.71	124.81
36	R	617	NEX	C11-C12-C13	-3.00	117.98	126.42
25	9	311	CLA	CMB-C2B-C1B	-3.00	123.85	128.46
25	5	316	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
25	U	313	CLA	C1B-CHB-C4A	-3.00	124.17	130.12
33	U	307	CHL	C1D-CHD-C4C	-3.00	119.58	126.06
28	6	621	BCR	C11-C12-C13	-3.00	117.98	126.42
34	R	615	LUT	C18-C5-C4	3.00	119.92	114.36

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	4	309	CLA	CMB-C2B-C3B	3.00	130.29	124.68
33	Q	606	CHL	CHD-C4C-NC	3.00	128.93	124.20
25	9	301	CLA	CMB-C2B-C3B	3.00	130.56	124.69
34	Q	615	LUT	C18-C5-C6	-3.00	121.16	124.53
36	T	616	NEX	C24-C23-C22	-3.00	104.98	110.77
28	4	317	BCR	C2-C1-C6	3.00	115.10	110.48
34	7	315	LUT	C15-C14-C13	-3.00	123.03	127.31
33	4	314	CHL	CHC-C1C-NC	3.00	128.75	124.20
33	1	601	CHL	O2A-CGA-CBA	3.00	121.31	111.91
25	S	314	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
28	B	845	BCR	C16-C15-C14	-3.00	117.34	123.47
25	K	204	CLA	CMB-C2B-C3B	2.99	130.28	124.68
25	1	614	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
25	5	303	CLA	C1B-CHB-C4A	-2.99	124.19	130.12
36	U	301	NEX	C35-C15-C14	-2.99	117.34	123.47
25	2	304	CLA	CMB-C2B-C1B	-2.99	123.86	128.46
33	T	604	CHL	CAC-C3C-C4C	2.99	128.69	124.81
33	P	606	CHL	CAC-C3C-C4C	2.99	128.69	124.81
25	2	306	CLA	CAA-C2A-C3A	-2.99	109.12	116.10
25	R	604	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
34	8	317	LUT	C35-C34-C33	-2.99	123.04	127.31
25	7	307	CLA	CMB-C2B-C3B	2.99	130.27	124.68
25	5	302	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
25	S	313	CLA	CMB-C2B-C3B	2.99	130.27	124.68
25	6	620	CLA	CMB-C2B-C3B	2.99	130.27	124.68
35	P	623	XAT	C8-C9-C10	-2.99	118.16	124.81
33	T	601	CHL	CAC-C3C-C4C	2.99	128.69	124.81
32	4	320	LMG	O8-C28-C29	2.99	121.28	111.91
25	L	205	CLA	O2D-CGD-CBD	2.99	116.58	111.27
34	8	316	LUT	C21-C26-C27	-2.99	108.93	112.70
25	6	605	CLA	CMB-C2B-C3B	2.99	130.26	124.68
33	5	308	CHL	C1D-CHD-C4C	-2.99	119.62	126.06
33	4	322	CHL	O2A-CGA-CBA	2.99	121.28	111.91
28	A	845	BCR	C20-C21-C22	-2.98	123.05	127.31
25	L	206	CLA	O2D-CGD-O1D	-2.98	118.00	123.84
25	6	613	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
33	Q	606	CHL	C3C-C4C-NC	2.98	113.92	110.57
25	8	302	CLA	CMB-C2B-C1B	-2.98	123.88	128.46
33	S	308	CHL	C3C-C4C-NC	2.98	113.92	110.57
33	1	601	CHL	CHC-C1C-NC	2.98	128.73	124.20
25	S	311	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
25	5	319	CLA	CMB-C2B-C3B	2.98	130.26	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	831	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
28	L	208	BCR	C28-C27-C26	-2.98	108.75	114.08
34	1	615	LUT	C8-C7-C6	-2.98	118.83	127.20
35	Q	616	XAT	C35-C15-C14	-2.98	117.37	123.47
25	1	607	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
25	A	812	CLA	C1B-CHB-C4A	-2.98	124.22	130.12
25	4	302	CLA	CMB-C2B-C1B	-2.98	123.89	128.46
34	a	315	LUT	C16-C1-C6	-2.98	105.47	110.30
28	O	204	BCR	C27-C26-C25	-2.98	118.41	122.73
28	B	851	BCR	C24-C23-C22	-2.98	121.74	126.23
34	S	316	LUT	C21-C26-C27	-2.98	108.94	112.70
28	3	318	BCR	C33-C5-C4	2.98	119.33	113.62
28	G	203	BCR	C3-C4-C5	-2.97	108.77	114.08
25	3	312	CLA	CMB-C2B-C3B	2.97	130.24	124.68
25	A	804	CLA	O2D-CGD-O1D	-2.97	118.02	123.84
25	a	301	CLA	O2D-CGD-O1D	-2.97	118.02	123.84
25	5	314	CLA	CMB-C2B-C3B	2.97	130.24	124.68
28	6	621	BCR	C16-C17-C18	-2.97	123.07	127.31
25	P	611	CLA	C3B-C4B-NB	2.97	113.05	109.21
33	U	309	CHL	CHD-C4C-NC	2.97	128.89	124.20
33	R	606	CHL	C1D-CHD-C4C	-2.97	119.64	126.06
34	2	316	LUT	C35-C15-C14	-2.97	117.39	123.47
34	Q	614	LUT	C3-C4-C5	-2.97	105.93	111.85
25	A	828	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
25	7	310	CLA	CHB-C4A-NA	2.97	128.62	124.51
28	6	621	BCR	C8-C7-C6	-2.97	118.86	127.20
25	A	821	CLA	CHB-C4A-NA	2.97	128.62	124.51
33	S	309	CHL	C1D-ND-C4D	2.97	108.44	106.33
36	P	617	NEX	C24-C23-C22	-2.97	105.04	110.77
25	S	301	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
28	7	316	BCR	C21-C20-C19	-2.97	113.95	123.22
25	B	825	CLA	CMB-C2B-C3B	2.97	130.23	124.68
28	6	621	BCR	C34-C9-C10	-2.97	118.76	122.92
25	B	807	CLA	CMB-C2B-C1B	-2.97	123.90	128.46
33	T	605	CHL	CMB-C2B-C3B	2.97	130.23	124.68
36	P	621	NEX	C2-C1-C6	2.97	112.09	109.21
25	A	816	CLA	CAA-CBA-CGA	-2.97	104.58	113.25
25	A	808	CLA	O2D-CGD-O1D	-2.97	118.04	123.84
33	Q	608	CHL	O2A-CGA-CBA	2.97	121.22	111.91
33	4	304	CHL	C3C-C4C-NC	2.97	113.90	110.57
28	8	318	BCR	C38-C26-C27	2.97	119.31	113.62
25	P	603	CLA	CMB-C2B-C3B	2.96	130.22	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	5	308	CHL	CMB-C2B-C3B	2.96	130.22	124.68
25	B	836	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
28	K	206	BCR	C27-C26-C25	-2.96	118.43	122.73
25	3	305	CLA	CMB-C2B-C3B	2.96	130.22	124.68
34	Q	615	LUT	C16-C1-C6	-2.96	105.49	110.30
33	P	609	CHL	O2A-CGA-CBA	2.96	121.20	111.91
33	Q	605	CHL	C3C-C4C-NC	2.96	113.89	110.57
25	A	825	CLA	CMB-C2B-C3B	2.96	130.22	124.68
25	1	608	CLA	CMB-C2B-C3B	2.96	130.22	124.68
25	A	805	CLA	CHB-C4A-NA	2.96	128.61	124.51
33	R	609	CHL	O2A-CGA-CBA	2.96	121.19	111.91
25	8	312	CLA	CMB-C2B-C1B	-2.96	123.92	128.46
34	Q	615	LUT	C15-C35-C34	-2.96	117.41	123.47
25	5	305	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
25	H	205	CLA	CHB-C4A-NA	2.96	128.60	124.51
25	4	313	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
33	U	309	CHL	O2D-CGD-O1D	-2.96	118.06	123.84
33	S	307	CHL	O2A-CGA-CBA	2.96	121.19	111.91
25	Q	604	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
25	B	830	CLA	C1-C2-C3	-2.96	120.93	126.04
33	U	306	CHL	CMB-C2B-C3B	2.95	130.21	124.68
25	2	308	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
25	8	310	CLA	CMB-C2B-C3B	2.95	130.20	124.68
25	T	610	CLA	C1B-CHB-C4A	-2.95	124.27	130.12
34	3	316	LUT	C30-C31-C32	-2.95	114.00	123.22
33	S	310	CHL	C1D-CHD-C4C	-2.95	119.69	126.06
28	B	842	BCR	C21-C20-C19	-2.95	114.00	123.22
33	6	608	CHL	C1D-CHD-C4C	-2.95	119.69	126.06
25	S	315	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
25	B	819	CLA	CMB-C2B-C3B	2.95	130.20	124.68
25	4	301	CLA	CMB-C2B-C3B	2.95	130.20	124.68
28	A	849	BCR	C16-C15-C14	-2.95	117.43	123.47
25	1	610	CLA	CMB-C2B-C3B	2.95	130.20	124.68
25	a	309	CLA	CMB-C2B-C3B	2.95	130.20	124.68
33	9	307	CHL	C3B-C4B-NB	2.95	113.02	109.21
25	T	609	CLA	O1D-CGD-CBD	2.95	130.52	124.48
34	R	616	LUT	C18-C5-C4	2.95	119.82	114.36
28	L	204	BCR	C24-C23-C22	-2.95	121.78	126.23
34	6	619	LUT	C16-C1-C6	-2.95	105.52	110.30
33	S	306	CHL	C3C-C4C-NC	2.95	113.88	110.57
33	T	607	CHL	O2A-CGA-CBA	2.95	121.16	111.91
25	A	820	CLA	CMB-C2B-C3B	2.95	130.19	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	7	313	CLA	CMB-C2B-C3B	2.95	130.19	124.68
33	T	607	CHL	CAC-C3C-C4C	2.95	128.63	124.81
33	3	306	CHL	CAC-C3C-C4C	2.95	128.63	124.81
28	B	842	BCR	C37-C22-C21	-2.95	118.80	122.92
25	6	603	CLA	CMB-C2B-C1B	-2.95	123.94	128.46
28	B	843	BCR	C3-C4-C5	-2.95	108.82	114.08
28	4	317	BCR	C16-C17-C18	-2.95	123.11	127.31
33	Q	605	CHL	CHB-C4A-NA	2.95	128.59	124.51
33	S	310	CHL	C1B-CHB-C4A	-2.94	124.28	130.12
28	A	847	BCR	C3-C4-C5	-2.94	108.82	114.08
34	8	316	LUT	C20-C13-C12	2.94	122.72	118.08
25	6	601	CLA	CMB-C2B-C3B	2.94	130.18	124.68
33	a	305	CHL	CAC-C3C-C4C	2.94	128.63	124.81
25	U	304	CLA	CMB-C2B-C3B	2.94	130.18	124.68
25	3	308	CLA	CMB-C2B-C3B	2.94	130.18	124.68
25	S	305	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
25	8	315	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
25	T	610	CLA	O2D-CGD-CBD	2.94	116.49	111.27
25	A	816	CLA	CMB-C2B-C3B	2.94	130.18	124.68
25	Q	610	CLA	C1B-CHB-C4A	-2.94	124.30	130.12
25	2	311	CLA	CMB-C2B-C1B	-2.94	123.95	128.46
25	S	301	CLA	C1B-CHB-C4A	-2.94	124.30	130.12
25	A	833	CLA	CMB-C2B-C3B	2.94	130.18	124.68
25	K	202	CLA	CMB-C2B-C3B	2.94	130.18	124.68
33	S	309	CHL	C1D-CHD-C4C	-2.94	119.72	126.06
33	6	617	CHL	CMB-C2B-C3B	2.94	130.17	124.68
33	6	606	CHL	CHC-C1C-NC	2.94	128.66	124.20
33	3	306	CHL	O2A-CGA-CBA	2.94	121.12	111.91
25	J	105	CLA	CMB-C2B-C1B	-2.94	123.95	128.46
34	a	316	LUT	C2-C3-C4	2.94	114.32	110.30
28	L	208	BCR	C38-C26-C27	2.93	119.25	113.62
25	5	313	CLA	CMB-C2B-C1B	-2.93	123.95	128.46
25	5	311	CLA	CMB-C2B-C3B	2.93	130.17	124.68
28	5	323	BCR	C8-C9-C10	2.93	123.44	118.94
25	7	309	CLA	CMB-C2B-C3B	2.93	130.16	124.68
25	B	835	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
28	8	318	BCR	C31-C1-C6	-2.93	105.55	110.30
28	A	848	BCR	C20-C21-C22	-2.93	123.13	127.31
33	3	306	CHL	C3C-C4C-NC	2.93	113.86	110.57
25	1	607	CLA	CMB-C2B-C1B	-2.93	123.96	128.46
25	A	816	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
25	L	202	CLA	CMB-C2B-C1B	-2.93	123.96	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	839	CLA	CHB-C4A-NA	2.93	128.56	124.51
25	K	205	CLA	CMB-C2B-C3B	2.93	130.16	124.68
25	8	315	CLA	CMB-C2B-C3B	2.93	130.15	124.68
33	U	305	CHL	CHC-C1C-NC	2.93	128.64	124.20
33	U	309	CHL	O2A-CGA-CBA	2.93	121.09	111.91
34	6	622	LUT	C15-C14-C13	-2.93	123.13	127.31
25	L	209	CLA	CMB-C2B-C3B	2.92	130.15	124.68
25	S	315	CLA	CMB-C2B-C3B	2.92	130.15	124.68
25	B	807	CLA	CHB-C4A-NA	2.92	128.56	124.51
33	6	607	CHL	OMC-CMC-C2C	-2.92	119.08	125.69
26	B	839	PQN	C11-C3-C4	2.92	121.63	118.50
25	3	304	CLA	CMB-C2B-C1B	-2.92	123.97	128.46
36	T	616	NEX	C35-C15-C14	-2.92	117.48	123.47
34	R	615	LUT	C31-C30-C29	-2.92	123.14	127.31
28	L	208	BCR	C20-C21-C22	-2.92	123.14	127.31
25	S	303	CLA	CBC-CAC-C3C	-2.92	104.38	112.43
28	B	845	BCR	C37-C22-C21	-2.92	118.83	122.92
25	U	313	CLA	CHB-C4A-NA	2.92	128.55	124.51
33	6	606	CHL	C3C-C4C-NC	2.92	113.84	110.57
34	5	318	LUT	C21-C26-C27	-2.92	109.01	112.70
33	P	605	CHL	C1D-ND-C4D	2.92	108.41	106.33
25	B	815	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
33	T	606	CHL	CAC-C3C-C4C	2.92	128.60	124.81
25	B	802	CLA	CMB-C2B-C3B	2.92	130.13	124.68
28	B	841	BCR	C23-C24-C25	-2.92	119.01	127.20
34	2	315	LUT	C10-C11-C12	-2.92	114.12	123.22
25	8	314	CLA	O2D-CGD-O1D	-2.92	118.14	123.84
36	P	621	NEX	C16-C1-C2	-2.92	95.96	109.05
33	T	604	CHL	O2A-CGA-CBA	2.91	121.06	111.91
28	L	208	BCR	C1-C6-C5	-2.91	118.51	122.61
33	R	605	CHL	CHC-C1C-NC	2.91	128.62	124.20
33	S	321	CHL	CHC-C1C-NC	2.91	128.62	124.20
33	P	622	CHL	C4A-NA-C1A	2.91	108.02	106.71
25	B	849	CLA	C1B-CHB-C4A	-2.91	124.35	130.12
33	8	307	CHL	CHC-C1C-NC	2.91	128.62	124.20
25	5	315	CLA	CMB-C2B-C3B	2.91	130.12	124.68
33	S	308	CHL	C1D-CHD-C4C	-2.91	119.78	126.06
25	S	312	CLA	CMB-C2B-C3B	2.91	130.12	124.68
34	U	314	LUT	C20-C13-C14	-2.91	118.85	122.92
33	8	307	CHL	C1B-CHB-C4A	-2.91	124.36	130.12
25	A	829	CLA	C1-C2-C3	-2.91	121.01	126.04
33	6	617	CHL	CHC-C1C-NC	2.91	128.61	124.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	306	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
25	a	312	CLA	O1D-CGD-CBD	2.91	130.43	124.48
25	S	311	CLA	CMB-C2B-C3B	2.91	130.12	124.68
33	P	606	CHL	CMB-C2B-C3B	2.91	130.12	124.68
34	a	314	LUT	C10-C11-C12	-2.91	114.15	123.22
33	9	306	CHL	CHC-C1C-NC	2.91	128.61	124.20
25	a	302	CLA	CMB-C2B-C3B	2.91	130.11	124.68
33	6	606	CHL	CHD-C1D-ND	-2.91	121.78	124.45
34	1	617	LUT	C1-C2-C3	2.90	120.20	113.64
33	S	302	CHL	C3B-C4B-NB	2.90	112.97	109.21
25	A	815	CLA	CMB-C2B-C3B	2.90	130.11	124.68
34	5	322	LUT	C18-C5-C4	2.90	119.73	114.36
25	A	851	CLA	CMB-C2B-C1B	-2.90	124.01	128.46
28	L	204	BCR	C21-C20-C19	-2.90	114.17	123.22
34	9	313	LUT	C20-C13-C12	2.90	122.65	118.08
25	A	830	CLA	CMB-C2B-C3B	2.90	130.10	124.68
25	H	203	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
33	U	307	CHL	CHC-C1C-NC	2.90	128.60	124.20
34	1	617	LUT	C4-C5-C6	-2.90	114.39	120.85
25	8	303	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
25	6	614	CLA	CMB-C2B-C3B	2.90	130.10	124.68
25	2	307	CLA	CMB-C2B-C1B	-2.90	124.01	128.46
34	Q	615	LUT	C8-C7-C6	-2.90	119.06	127.20
28	J	106	BCR	C3-C4-C5	-2.90	108.90	114.08
28	L	208	BCR	C33-C5-C4	2.90	119.18	113.62
33	a	305	CHL	O2A-CGA-CBA	2.90	120.99	111.91
33	P	605	CHL	CHC-C1C-NC	2.89	128.59	124.20
28	B	845	BCR	C10-C11-C12	-2.89	114.18	123.22
33	5	317	CHL	CHB-C4A-NA	2.89	128.51	124.51
25	K	204	CLA	C1B-CHB-C4A	-2.89	124.38	130.12
28	F	803	BCR	C34-C9-C10	-2.89	118.87	122.92
33	R	606	CHL	C3C-C4C-NC	2.89	113.82	110.57
25	R	613	CLA	CMB-C2B-C3B	2.89	130.09	124.68
25	a	312	CLA	CMB-C2B-C3B	2.89	130.09	124.68
33	P	606	CHL	C3C-C4C-NC	2.89	113.81	110.57
25	B	802	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
25	B	830	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
28	J	106	BCR	C38-C26-C27	2.89	119.17	113.62
25	B	833	CLA	CMB-C2B-C3B	2.89	130.09	124.68
25	6	613	CLA	CHB-C4A-NA	2.89	128.51	124.51
34	4	315	LUT	C8-C7-C6	-2.89	119.08	127.20
25	6	623	CLA	CHB-C4A-NA	2.89	128.51	124.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	3	317	BCR	C11-C10-C9	-2.89	123.18	127.31
34	5	318	LUT	C15-C14-C13	-2.89	123.18	127.31
28	B	851	BCR	C7-C8-C9	-2.89	121.87	126.23
25	2	312	CLA	CHB-C4A-NA	2.89	128.51	124.51
34	6	622	LUT	C21-C26-C27	-2.89	109.05	112.70
28	A	847	BCR	C10-C11-C12	-2.89	114.20	123.22
35	P	616	XAT	C7-C8-C9	-2.89	121.05	125.53
33	P	619	CHL	C1D-CHD-C4C	-2.89	119.83	126.06
28	B	851	BCR	C38-C26-C25	-2.89	121.29	124.53
25	A	837	CLA	CMB-C2B-C3B	2.89	130.08	124.68
34	a	315	LUT	C20-C13-C12	2.89	122.62	118.08
28	3	318	BCR	C8-C9-C10	2.89	123.37	118.94
25	8	303	CLA	CMB-C2B-C3B	2.89	130.08	124.68
34	5	318	LUT	C20-C13-C12	2.89	122.62	118.08
33	P	607	CHL	C1D-CHD-C4C	-2.88	119.83	126.06
33	6	617	CHL	C1D-CHD-C4C	-2.88	119.83	126.06
25	A	839	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
25	B	801	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
25	2	314	CLA	C1B-CHB-C4A	-2.88	124.41	130.12
25	T	608	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
25	a	303	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
25	9	308	CLA	CMB-C2B-C3B	2.88	130.07	124.68
25	B	803	CLA	C1B-CHB-C4A	-2.88	124.41	130.12
33	4	322	CHL	CHC-C1C-NC	2.88	128.58	124.20
25	7	308	CLA	CHB-C4A-NA	2.88	128.50	124.51
33	Q	606	CHL	O2A-CGA-CBA	2.88	120.95	111.91
25	a	306	CLA	CMB-C2B-C3B	2.88	130.07	124.68
28	O	204	BCR	C29-C30-C25	2.88	114.91	110.48
25	6	612	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
33	4	306	CHL	C1D-CHD-C4C	-2.88	119.85	126.06
28	L	208	BCR	C30-C25-C26	-2.88	118.56	122.61
25	R	611	CLA	CHB-C4A-NA	2.88	128.49	124.51
33	U	305	CHL	C3C-C4C-NC	2.88	113.80	110.57
25	6	605	CLA	O2A-CGA-O1A	-2.88	116.33	123.59
33	4	322	CHL	O2D-CGD-O1D	-2.88	118.21	123.84
28	F	803	BCR	C12-C13-C14	2.88	123.36	118.94
33	S	302	CHL	CHC-C1C-NC	2.88	128.57	124.20
25	Q	603	CLA	CMB-C2B-C3B	2.88	130.06	124.68
25	4	313	CLA	CMB-C2B-C3B	2.88	130.06	124.68
25	A	829	CLA	CMB-C2B-C1B	-2.88	124.04	128.46
28	4	317	BCR	C34-C9-C10	-2.88	118.89	122.92
25	B	816	CLA	CHB-C4A-NA	2.88	128.49	124.51

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	I	201	BCR	C37-C22-C21	-2.88	118.89	122.92
25	B	833	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
25	9	309	CLA	CMB-C2B-C1B	-2.88	124.04	128.46
25	S	320	CLA	CMB-C2B-C3B	2.88	130.06	124.68
33	Q	605	CHL	CHC-C1C-NC	2.87	128.56	124.20
33	T	606	CHL	CHC-C1C-NC	2.87	128.56	124.20
33	T	606	CHL	C1D-CHD-C4C	-2.87	119.86	126.06
25	B	838	CLA	CMB-C2B-C3B	2.87	130.05	124.68
34	a	314	LUT	C8-C7-C6	-2.87	119.13	127.20
34	S	316	LUT	C3-C4-C5	-2.87	106.13	111.85
25	1	602	CLA	CMB-C2B-C1B	-2.87	124.05	128.46
35	S	318	XAT	C27-C28-C29	-2.87	121.07	125.53
25	A	853	CLA	CMB-C2B-C3B	2.87	130.05	124.68
33	S	309	CHL	C3C-C4C-NC	2.87	113.79	110.57
25	O	201	CLA	CHB-C4A-NA	2.87	128.48	124.51
25	1	603	CLA	CMB-C2B-C3B	2.87	130.05	124.68
25	A	822	CLA	CHB-C4A-NA	2.87	128.48	124.51
33	U	305	CHL	C1D-CHD-C4C	-2.87	119.87	126.06
28	J	106	BCR	C23-C24-C25	-2.87	119.14	127.20
34	R	615	LUT	C20-C13-C14	-2.87	118.91	122.92
25	6	605	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
33	4	314	CHL	C1D-CHD-C4C	-2.87	119.87	126.06
25	8	308	CLA	CMB-C2B-C3B	2.87	130.04	124.68
33	R	606	CHL	CMB-C2B-C3B	2.87	130.04	124.68
34	P	614	LUT	C31-C30-C29	-2.87	123.22	127.31
28	A	854	BCR	C30-C25-C26	-2.87	118.58	122.61
33	U	306	CHL	C3C-C4C-NC	2.87	113.79	110.57
25	7	308	CLA	CMB-C2B-C1B	-2.87	124.06	128.46
25	2	309	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
25	R	603	CLA	CHB-C4A-NA	2.87	128.47	124.51
28	A	849	BCR	C28-C27-C26	-2.86	108.96	114.08
34	1	615	LUT	C30-C31-C32	-2.86	114.28	123.22
25	R	612	CLA	O2D-CGD-CBD	2.86	116.36	111.27
33	9	307	CHL	C3C-C4C-NC	2.86	113.78	110.57
25	8	311	CLA	CMB-C2B-C3B	2.86	130.03	124.68
25	A	842	CLA	CMB-C2B-C1B	-2.86	124.07	128.46
25	1	612	CLA	CMB-C2B-C1B	-2.86	124.07	128.46
33	R	607	CHL	C1D-CHD-C4C	-2.86	119.89	126.06
34	T	614	LUT	C18-C5-C6	-2.86	121.32	124.53
25	R	602	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
25	3	309	CLA	CMB-C2B-C3B	2.86	130.03	124.68
35	P	620	XAT	C7-C8-C9	-2.86	121.09	125.53

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	P	612	CLA	O2D-CGD-CBD	2.86	116.35	111.27
34	3	315	LUT	C20-C13-C12	2.86	122.58	118.08
33	Q	605	CHL	C1D-CHD-C4C	-2.86	119.89	126.06
25	A	851	CLA	C1B-CHB-C4A	-2.86	124.46	130.12
34	S	316	LUT	C15-C14-C13	-2.86	123.23	127.31
25	6	609	CLA	CMB-C2B-C3B	2.86	130.02	124.68
36	P	621	NEX	C39-C29-C30	-2.86	118.92	122.92
25	7	306	CLA	O2D-CGD-O1D	-2.86	118.26	123.84
25	3	311	CLA	CHB-C4A-NA	2.86	128.46	124.51
25	7	311	CLA	CMB-C2B-C1B	-2.85	124.08	128.46
25	8	308	CLA	CHB-C4A-NA	2.85	128.46	124.51
35	Q	616	XAT	C20-C13-C12	2.85	122.57	118.08
33	T	605	CHL	C3C-C4C-NC	2.85	113.77	110.57
25	7	307	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
33	U	306	CHL	O2A-CGA-CBA	2.85	120.86	111.91
25	S	313	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
33	S	321	CHL	CMB-C2B-C3B	2.85	130.01	124.68
34	8	317	LUT	C16-C1-C6	-2.85	105.68	110.30
33	P	606	CHL	O2A-CGA-CBA	2.85	120.85	111.91
33	S	302	CHL	CHD-C1D-ND	-2.85	121.83	124.45
25	9	311	CLA	C1B-CHB-C4A	-2.85	124.47	130.12
34	T	613	LUT	C31-C30-C29	-2.85	123.24	127.31
28	A	847	BCR	C38-C26-C27	2.85	119.09	113.62
34	a	314	LUT	C20-C13-C12	2.85	122.56	118.08
28	B	851	BCR	C28-C27-C26	-2.85	108.99	114.08
25	O	203	CLA	CAB-C3B-C2B	2.85	130.26	124.69
25	2	311	CLA	CHB-C4A-NA	2.85	128.45	124.51
25	P	602	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
25	B	825	CLA	C1B-CHB-C4A	-2.85	124.48	130.12
25	A	838	CLA	O2D-CGD-O1D	-2.85	118.28	123.84
25	4	310	CLA	C1B-CHB-C4A	-2.84	124.48	130.12
33	T	604	CHL	CHC-C1C-NC	2.84	128.52	124.20
25	B	814	CLA	CMB-C2B-C3B	2.84	130.00	124.68
25	G	201	CLA	CMB-C2B-C3B	2.84	130.00	124.68
25	A	801	CLA	C1B-CHB-C4A	-2.84	124.49	130.12
34	P	615	LUT	C18-C5-C6	-2.84	121.34	124.53
25	7	312	CLA	O2D-CGD-CBD	2.84	116.32	111.27
25	6	615	CLA	CMB-C2B-C3B	2.84	130.00	124.68
27	B	847	LHG	C6-C5-C4	-2.84	105.07	111.79
28	A	845	BCR	C38-C26-C25	-2.84	121.34	124.53
28	L	208	BCR	C38-C26-C25	-2.84	121.34	124.53
25	A	815	CLA	O2D-CGD-O1D	-2.84	118.29	123.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	802	CLA	C1-C2-C3	-2.84	121.13	126.04
33	T	601	CHL	C3B-C4B-NB	2.84	112.88	109.21
25	B	832	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
25	B	801	CLA	CMB-C2B-C3B	2.84	129.99	124.68
34	S	316	LUT	C8-C7-C6	-2.84	119.23	127.20
25	B	817	CLA	C1B-CHB-C4A	-2.84	124.50	130.12
25	J	105	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
28	8	301	BCR	C15-C14-C13	-2.84	123.26	127.31
25	B	804	CLA	CHB-C4A-NA	2.84	128.44	124.51
32	2	301	LMG	O8-C28-C29	2.84	120.81	111.91
33	6	608	CHL	CHC-C1C-NC	2.83	128.50	124.20
25	U	311	CLA	CMB-C2B-C3B	2.83	129.98	124.68
33	P	619	CHL	CHC-C1C-NC	2.83	128.50	124.20
34	U	315	LUT	C18-C5-C4	2.83	119.61	114.36
36	T	616	NEX	C39-C29-C30	-2.83	118.95	122.92
25	3	309	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
34	T	613	LUT	C18-C5-C4	2.83	119.60	114.36
33	5	317	CHL	O2D-CGD-O1D	-2.83	118.30	123.84
33	S	310	CHL	C3C-C4C-NC	2.83	113.75	110.57
28	B	841	BCR	C15-C16-C17	-2.83	117.67	123.47
25	U	303	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
33	1	601	CHL	CBA-CAA-C2A	-2.83	105.52	113.86
25	K	202	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
25	B	802	CLA	CHB-C4A-NA	2.83	128.42	124.51
25	Q	610	CLA	CHB-C4A-NA	2.83	128.42	124.51
28	F	801	BCR	C7-C8-C9	-2.83	121.97	126.23
33	U	308	CHL	C1D-CHD-C4C	-2.82	119.96	126.06
25	R	611	CLA	O1D-CGD-CBD	2.82	130.26	124.48
25	A	832	CLA	CMB-C2B-C3B	2.82	129.96	124.68
25	T	603	CLA	CMB-C2B-C3B	2.82	129.96	124.68
34	6	619	LUT	C20-C13-C12	2.82	122.53	118.08
25	A	851	CLA	C1-C2-C3	-2.82	121.16	126.04
28	B	842	BCR	C34-C9-C10	-2.82	118.97	122.92
25	2	313	CLA	CAA-CBA-CGA	-2.82	105.01	113.25
33	7	305	CHL	CHC-C1C-NC	2.82	128.48	124.20
34	3	315	LUT	C30-C31-C32	-2.82	114.42	123.22
28	K	206	BCR	C38-C26-C27	2.82	119.03	113.62
25	8	304	CLA	CMB-C2B-C3B	2.82	129.95	124.68
28	A	854	BCR	C38-C26-C27	2.82	119.03	113.62
26	A	841	PQN	C11-C3-C4	2.82	121.52	118.50
25	S	304	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
25	5	315	CLA	C1B-CHB-C4A	-2.82	124.54	130.12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	803	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
25	A	818	CLA	CMB-C2B-C1B	-2.82	124.14	128.46
25	1	605	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
25	S	301	CLA	CAA-CBA-CGA	-2.82	105.03	113.25
25	2	313	CLA	CMB-C2B-C3B	2.82	129.94	124.68
32	1	619	LMG	O8-C28-C29	2.82	120.74	111.91
25	A	826	CLA	O2D-CGD-O1D	-2.81	118.33	123.84
25	9	305	CLA	O2D-CGD-O1D	-2.81	118.33	123.84
33	6	607	CHL	C6-C5-C3	-2.81	110.02	114.62
34	4	315	LUT	C39-C29-C28	2.81	122.51	118.08
33	1	606	CHL	O2A-CGA-CBA	2.81	120.74	111.91
35	Q	616	XAT	C38-C25-C24	2.81	117.44	114.28
25	J	103	CLA	CMB-C2B-C3B	2.81	129.94	124.68
33	T	607	CHL	CHD-C4C-NC	2.81	128.63	124.20
34	S	317	LUT	C18-C5-C6	-2.81	121.37	124.53
31	B	850	SQD	O6-C1-C2	2.81	112.69	108.30
28	A	845	BCR	C11-C10-C9	-2.81	123.30	127.31
34	R	616	LUT	C15-C35-C34	-2.81	117.72	123.47
33	T	604	CHL	C1D-CHD-C4C	-2.81	120.00	126.06
33	P	607	CHL	CHC-C1C-NC	2.81	128.47	124.20
25	G	202	CLA	C1B-CHB-C4A	-2.81	124.55	130.12
25	2	306	CLA	CMA-C3A-C2A	-2.81	109.54	116.10
25	B	815	CLA	CAA-C2A-C3A	-2.81	105.09	112.78
25	B	824	CLA	CAC-C3C-C4C	2.81	128.45	124.81
33	1	606	CHL	CAC-C3C-C4C	2.81	128.45	124.81
28	B	843	BCR	C16-C17-C18	-2.81	123.30	127.31
25	A	809	CLA	CMB-C2B-C3B	2.81	129.93	124.68
25	A	834	CLA	CMB-C2B-C3B	2.81	129.93	124.68
33	6	606	CHL	O2A-CGA-CBA	2.81	120.72	111.91
30	B	848	DGD	O6D-C1D-C2D	2.81	116.29	110.35
25	Q	604	CLA	C1-C2-C3	-2.81	122.21	126.75
25	B	837	CLA	CHB-C4A-NA	2.81	128.39	124.51
25	B	835	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
28	K	206	BCR	C35-C13-C12	2.80	122.50	118.08
25	F	802	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
25	6	612	CLA	CMB-C2B-C3B	2.80	129.92	124.68
25	1	611	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
25	a	312	CLA	C1B-CHB-C4A	-2.80	124.57	130.12
28	5	323	BCR	C36-C18-C17	-2.80	119.00	122.92
33	5	307	CHL	C1B-CHB-C4A	-2.80	124.57	130.12
33	U	307	CHL	C3C-C4C-NC	2.80	113.71	110.57
33	R	608	CHL	C1D-CHD-C4C	-2.80	120.01	126.06

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	Q	605	CHL	CMB-C2B-C3B	2.80	129.92	124.68
33	S	321	CHL	C1-C2-C3	-2.80	122.22	126.75
25	B	822	CLA	CMB-C2B-C3B	2.80	129.92	124.68
33	R	601	CHL	C3B-C4B-NB	2.80	112.83	109.21
25	1	607	CLA	C1-C2-C3	-2.80	121.20	126.04
25	7	308	CLA	C1B-CHB-C4A	-2.80	124.57	130.12
25	4	301	CLA	CHB-C4A-NA	2.80	128.38	124.51
25	8	306	CLA	CMB-C2B-C3B	2.80	129.91	124.68
25	6	603	CLA	C1-C2-C3	-2.80	121.20	126.04
25	a	303	CLA	CHB-C4A-NA	2.80	128.38	124.51
34	3	315	LUT	C35-C34-C33	-2.80	123.32	127.31
28	O	204	BCR	C38-C26-C27	2.80	118.99	113.62
35	P	620	XAT	C24-C23-C22	-2.80	105.37	110.77
28	8	318	BCR	C33-C5-C4	2.80	118.99	113.62
25	A	825	CLA	O2D-CGD-O1D	-2.79	118.37	123.84
28	A	847	BCR	C15-C16-C17	-2.79	117.75	123.47
25	8	314	CLA	CHB-C4A-NA	2.79	128.38	124.51
33	U	306	CHL	CHC-C1C-NC	2.79	128.44	124.20
25	A	825	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
25	B	836	CLA	CMB-C2B-C3B	2.79	129.90	124.68
25	3	310	CLA	CMB-C2B-C3B	2.79	129.90	124.68
25	7	303	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
25	a	313	CLA	CMB-C2B-C3B	2.79	129.90	124.68
25	5	312	CLA	CMB-C2B-C3B	2.79	129.90	124.68
25	5	303	CLA	CMC-C2C-C1C	2.79	129.29	125.04
25	T	610	CLA	CMB-C2B-C3B	2.79	129.90	124.68
33	5	307	CHL	CHB-C4A-NA	2.79	128.37	124.51
32	H	204	LMG	C9-C8-C7	-2.79	105.19	111.79
33	T	606	CHL	CMB-C2B-C3B	2.79	129.90	124.68
25	B	808	CLA	CMB-C2B-C3B	2.79	129.89	124.68
32	J	102	LMG	C8-O7-C10	-2.79	110.93	117.79
25	B	810	CLA	C1B-CHB-C4A	-2.79	124.60	130.12
33	S	308	CHL	CHC-C1C-NC	2.79	128.43	124.20
25	R	614	CLA	C1B-CHB-C4A	-2.79	124.60	130.12
25	7	310	CLA	CMB-C2B-C1B	-2.79	124.18	128.46
33	R	605	CHL	OBD-CAD-C3D	-2.79	121.81	128.52
34	R	615	LUT	C3-C4-C5	-2.79	106.31	111.85
33	T	604	CHL	CHB-C4A-NA	2.79	128.36	124.51
33	U	306	CHL	CAC-C3C-C4C	2.79	128.42	124.81
33	T	607	CHL	C3B-C4B-NB	2.79	112.81	109.21
25	3	301	CLA	C1B-CHB-C4A	-2.78	124.60	130.12
25	G	202	CLA	O2D-CGD-O1D	-2.78	118.40	123.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	P	611	CLA	C4A-NA-C1A	2.78	107.96	106.71
25	5	306	CLA	CMB-C2B-C3B	2.78	129.88	124.68
33	R	607	CHL	CHC-C1C-NC	2.78	128.42	124.20
33	P	608	CHL	C1D-CHD-C4C	-2.78	120.06	126.06
25	T	609	CLA	C2A-C1A-CHA	2.78	128.72	123.86
25	P	613	CLA	CMB-C2B-C3B	2.78	129.88	124.68
25	5	304	CLA	CHB-C4A-NA	2.78	128.36	124.51
25	6	611	CLA	CMB-C2B-C3B	2.78	129.88	124.68
27	1	618	LHG	O8-C23-C24	2.78	120.63	111.91
25	A	838	CLA	C1-C2-C3	-2.78	121.24	126.04
34	Q	615	LUT	C40-C33-C32	2.78	122.46	118.08
28	B	844	BCR	C21-C20-C19	-2.78	114.55	123.22
33	4	306	CHL	O2D-CGD-O1D	-2.78	118.41	123.84
25	9	305	CLA	CHB-C4A-NA	2.78	128.35	124.51
25	A	835	CLA	CHB-C4A-NA	2.77	128.35	124.51
33	4	322	CHL	CHB-C4A-NA	2.77	128.35	124.51
28	G	203	BCR	C15-C14-C13	-2.77	123.35	127.31
25	8	309	CLA	CHB-C4A-NA	2.77	128.35	124.51
33	4	306	CHL	CMB-C2B-C3B	2.77	129.87	124.68
25	A	813	CLA	CMB-C2B-C1B	-2.77	124.20	128.46
34	a	315	LUT	C3-C4-C5	-2.77	106.33	111.85
28	5	320	BCR	C33-C5-C4	2.77	118.94	113.62
33	R	601	CHL	O2A-CGA-CBA	2.77	120.61	111.91
28	J	101	BCR	C33-C5-C4	2.77	118.94	113.62
33	R	605	CHL	C2A-C3A-C4A	-2.77	97.39	101.87
32	H	204	LMG	C8-O7-C10	-2.77	110.97	117.79
33	P	605	CHL	CMB-C2B-C3B	2.77	129.86	124.68
32	7	318	LMG	O8-C28-C29	2.77	120.60	111.91
25	4	313	CLA	CAA-C2A-C3A	-2.77	109.63	116.10
36	R	617	NEX	C39-C29-C30	-2.77	119.04	122.92
33	R	607	CHL	C4-C3-C5	2.77	119.15	115.98
25	5	316	CLA	CMB-C2B-C3B	2.77	129.86	124.68
25	U	310	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
28	4	317	BCR	C2-C3-C4	-2.77	105.19	111.38
25	A	826	CLA	CMB-C2B-C3B	2.77	129.86	124.68
34	5	318	LUT	C10-C11-C12	-2.77	114.58	123.22
33	T	601	CHL	O2A-CGA-CBA	2.77	120.59	111.91
33	5	317	CHL	C1D-ND-C4D	2.77	108.30	106.33
25	5	315	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
34	4	315	LUT	C30-C31-C32	-2.77	114.59	123.22
33	Q	601	CHL	O2A-CGA-CBA	2.76	120.58	111.91
25	S	303	CLA	O2D-CGD-O1D	-2.76	118.43	123.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	P	601	CHL	C3B-C4B-NB	2.76	112.78	109.21
33	S	306	CHL	CHB-C4A-NA	2.76	128.33	124.51
25	2	307	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
33	Q	601	CHL	C3B-C4B-NB	2.76	112.78	109.21
25	6	615	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
33	5	308	CHL	CAA-CBA-CGA	-2.76	105.18	113.25
25	A	827	CLA	O2D-CGD-CBD	2.76	116.17	111.27
33	Q	607	CHL	C1D-CHD-C4C	-2.76	120.10	126.06
36	P	621	NEX	C17-C1-C2	-2.76	96.65	109.05
33	3	306	CHL	CHC-C1C-NC	2.76	128.39	124.20
33	P	605	CHL	CHB-C4A-NA	2.76	128.33	124.51
25	B	801	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
25	B	826	CLA	CHB-C4A-NA	2.76	128.33	124.51
25	J	103	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
28	4	321	BCR	C38-C26-C25	-2.76	121.43	124.53
25	A	839	CLA	CMB-C2B-C3B	2.76	129.84	124.68
28	3	317	BCR	C38-C26-C27	2.76	118.91	113.62
25	T	603	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
25	7	311	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
25	L	206	CLA	CMB-C2B-C3B	2.76	129.84	124.68
25	U	312	CLA	CMB-C2B-C3B	2.76	129.84	124.68
36	U	301	NEX	C39-C29-C30	-2.76	119.06	122.92
25	B	815	CLA	CHB-C4A-NA	2.76	128.32	124.51
25	9	304	CLA	C1B-CHB-C4A	-2.76	124.66	130.12
25	H	202	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
33	P	601	CHL	O2A-CGA-CBA	2.76	120.56	111.91
25	A	810	CLA	CHB-C4A-NA	2.76	128.32	124.51
25	F	802	CLA	CMB-C2B-C3B	2.76	129.83	124.68
25	A	811	CLA	CHB-C4A-NA	2.76	128.32	124.51
28	J	101	BCR	C21-C20-C19	-2.75	114.62	123.22
25	B	805	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
33	P	607	CHL	C4-C3-C5	2.75	119.13	115.98
25	4	308	CLA	CMB-C2B-C3B	2.75	129.83	124.68
25	T	602	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
25	L	209	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
33	P	607	CHL	C3C-C4C-NC	2.75	113.66	110.57
25	B	818	CLA	CHB-C4A-NA	2.75	128.32	124.51
25	P	604	CLA	CHB-C4A-NA	2.75	128.32	124.51
33	P	619	CHL	C4-C3-C5	2.75	119.13	115.98
28	4	317	BCR	C1-C6-C5	-2.75	118.74	122.61
25	R	603	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
33	4	306	CHL	O2A-CGA-CBA	2.75	120.54	111.91

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	9	301	CLA	CHB-C4A-NA	2.75	128.31	124.51
35	S	318	XAT	C10-C11-C12	-2.75	114.64	123.22
25	9	301	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
33	4	314	CHL	CMB-C2B-C3B	2.75	129.82	124.68
25	Q	610	CLA	O1D-CGD-CBD	2.75	130.11	124.48
32	J	102	LMG	O8-C28-C29	2.75	120.53	111.91
25	S	314	CLA	CMB-C2B-C3B	2.75	129.82	124.68
33	P	619	CHL	C3C-C4C-NC	2.75	113.65	110.57
28	J	101	BCR	C31-C1-C6	-2.75	105.84	110.30
34	U	314	LUT	C20-C13-C12	2.75	122.40	118.08
25	U	302	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
34	4	315	LUT	C31-C30-C29	-2.75	123.39	127.31
28	5	323	BCR	C37-C22-C21	2.75	126.77	122.92
28	O	204	BCR	C8-C7-C6	-2.74	119.49	127.20
25	5	313	CLA	CHD-C1D-C2D	2.74	131.24	125.48
33	U	307	CHL	C4A-NA-C1A	-2.74	105.47	106.71
25	B	814	CLA	CHB-C4A-NA	2.74	128.31	124.51
25	5	319	CLA	CHB-C4A-NA	2.74	128.31	124.51
25	3	314	CLA	CHB-C4A-NA	2.74	128.31	124.51
33	Q	606	CHL	CMB-C2B-C3B	2.74	129.81	124.68
36	U	316	NEX	C39-C29-C30	-2.74	119.08	122.92
28	I	201	BCR	C4-C5-C6	-2.74	118.75	122.73
34	1	615	LUT	C20-C13-C12	2.74	122.40	118.08
33	U	305	CHL	CMB-C2B-C3B	2.74	129.80	124.68
25	A	806	CLA	CHB-C4A-NA	2.74	128.30	124.51
25	O	203	CLA	CMB-C2B-C3B	2.74	130.05	124.69
28	L	204	BCR	C3-C4-C5	-2.74	109.19	114.08
25	A	822	CLA	CMB-C2B-C3B	2.74	129.80	124.68
25	B	821	CLA	CMB-C2B-C3B	2.74	129.80	124.68
33	R	605	CHL	CMB-C2B-C3B	2.73	129.79	124.68
25	A	814	CLA	CHD-C1D-ND	-2.73	121.94	124.45
28	A	847	BCR	C23-C24-C25	-2.73	119.52	127.20
25	3	314	CLA	CMB-C2B-C3B	2.73	129.79	124.68
28	5	320	BCR	C28-C27-C26	-2.73	109.19	114.08
33	S	308	CHL	CMB-C2B-C3B	2.73	129.79	124.68
25	4	308	CLA	C1B-CHB-C4A	-2.73	124.70	130.12
25	B	834	CLA	CHB-C4A-NA	2.73	128.29	124.51
25	B	826	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
25	7	304	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
36	P	621	NEX	C4-C3-C2	-2.73	105.50	110.77
33	9	307	CHL	OMC-CMC-C2C	-2.73	119.51	125.69
25	A	831	CLA	CHB-C4A-NA	2.73	128.29	124.51

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	8	307	CHL	OMC-CMC-C2C	-2.73	119.51	125.69
25	A	809	CLA	CHB-C4A-NA	2.73	128.29	124.51
25	J	105	CLA	CHB-C4A-NA	2.73	128.29	124.51
33	1	601	CHL	CHB-C4A-NA	2.73	128.29	124.51
25	7	306	CLA	C1-C2-C3	-2.73	122.33	126.75
33	S	302	CHL	OMC-CMC-C2C	-2.73	119.52	125.69
25	A	837	CLA	C1B-CHB-C4A	-2.73	124.71	130.12
25	B	813	CLA	CHB-C4A-NA	2.73	128.28	124.51
25	A	838	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
25	1	604	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
31	B	850	SQD	O7-S-C6	2.73	110.18	106.94
28	L	208	BCR	C15-C16-C17	-2.73	117.89	123.47
28	B	840	BCR	C21-C20-C19	-2.73	114.71	123.22
25	8	303	CLA	CHB-C4A-NA	2.73	128.28	124.51
33	P	605	CHL	C1D-CHD-C4C	-2.73	120.18	126.06
25	1	612	CLA	C1-C2-C3	-2.73	121.33	126.04
34	P	614	LUT	C20-C13-C14	-2.72	119.11	122.92
25	a	307	CLA	CMB-C2B-C3B	2.72	129.78	124.68
25	Q	604	CLA	CHB-C4A-NA	2.72	128.28	124.51
25	K	204	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
33	S	321	CHL	C3C-C4C-NC	2.72	113.63	110.57
28	8	318	BCR	C11-C10-C9	-2.72	123.42	127.31
25	L	201	CLA	CHB-C4A-NA	2.72	128.28	124.51
25	2	302	CLA	CMB-C2B-C3B	2.72	129.77	124.68
33	9	307	CHL	C1B-CHB-C4A	-2.72	124.72	130.12
34	1	616	LUT	C11-C10-C9	-2.72	123.42	127.31
28	A	845	BCR	C29-C30-C25	2.72	114.67	110.48
28	B	840	BCR	C33-C5-C6	-2.72	121.47	124.53
33	R	607	CHL	C3C-C4C-NC	2.72	113.62	110.57
25	B	826	CLA	O2A-CGA-O1A	-2.72	116.72	123.59
25	8	305	CLA	CMB-C2B-C3B	2.72	129.77	124.68
25	6	614	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
33	R	605	CHL	CAC-C3C-C4C	2.72	128.34	124.81
33	T	605	CHL	CHC-C1C-NC	2.72	128.33	124.20
25	3	320	CLA	O2A-CGA-O1A	-2.72	116.73	123.59
34	a	316	LUT	C11-C10-C9	-2.72	123.43	127.31
33	R	605	CHL	C1D-CHD-C4C	-2.72	120.19	126.06
34	9	312	LUT	C8-C7-C6	-2.72	119.56	127.20
25	3	301	CLA	CHB-C4A-NA	2.72	128.27	124.51
25	Q	611	CLA	CMB-C2B-C3B	2.72	129.77	124.68
25	7	307	CLA	CHB-C4A-NA	2.72	128.27	124.51
33	R	608	CHL	CHC-C1C-NC	2.72	128.33	124.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	R	605	CHL	C4A-NA-C1A	-2.72	105.48	106.71
36	P	621	NEX	C38-C25-C24	2.72	117.34	114.28
25	B	812	CLA	CHB-C4A-NA	2.72	128.27	124.51
25	A	811	CLA	CMB-C2B-C3B	2.72	129.76	124.68
34	P	614	LUT	C18-C5-C4	2.72	119.39	114.36
28	7	316	BCR	C11-C10-C9	-2.72	123.43	127.31
34	7	314	LUT	C16-C1-C6	-2.72	105.89	110.30
25	B	826	CLA	C1B-CHB-C4A	-2.72	124.74	130.12
33	9	307	CHL	CHC-C1C-NC	2.72	128.32	124.20
25	7	309	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
33	8	307	CHL	C3C-C4C-NC	2.72	113.62	110.57
25	H	205	CLA	C1B-CHB-C4A	-2.71	124.74	130.12
25	8	305	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
34	1	616	LUT	C3-C4-C5	-2.71	106.45	111.85
25	P	603	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
34	S	316	LUT	C31-C30-C29	-2.71	123.44	127.31
36	P	621	NEX	C31-C30-C29	-2.71	123.44	127.31
25	A	833	CLA	O2A-CGA-O1A	-2.71	116.75	123.59
25	6	610	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
25	a	310	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
33	P	622	CHL	CHC-C1C-NC	2.71	128.32	124.20
25	A	823	CLA	CHB-C4A-NA	2.71	128.26	124.51
25	U	312	CLA	CHB-C4A-NA	2.71	128.26	124.51
33	S	309	CHL	CHC-C1C-NC	2.71	128.31	124.20
36	P	621	NEX	C15-C35-C34	-2.71	117.92	123.47
25	7	306	CLA	CHB-C4A-NA	2.71	128.26	124.51
25	H	205	CLA	CAA-C2A-C1A	-2.71	106.14	112.14
30	B	848	DGD	O1G-C1A-C2A	2.71	120.41	111.91
25	A	805	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
25	P	610	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
25	A	808	CLA	CHB-C4A-NA	2.71	128.26	124.51
28	A	845	BCR	C10-C11-C12	-2.71	114.77	123.22
27	A	843	LHG	C5-O7-C7	-2.71	111.12	117.79
33	4	306	CHL	C1B-CHB-C4A	-2.71	124.75	130.12
26	A	841	PQN	C11-C12-C13	-2.71	122.28	126.79
31	B	850	SQD	O9-S-C6	2.71	110.16	106.94
25	R	613	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
35	S	318	XAT	C35-C34-C33	-2.71	123.45	127.31
34	S	316	LUT	C22-C23-C24	2.71	114.82	111.74
25	1	611	CLA	CMB-C2B-C3B	2.70	129.74	124.68
33	P	608	CHL	CHC-C1C-NC	2.70	128.31	124.20
25	2	310	CLA	CMB-C2B-C3B	2.70	129.74	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	8	310	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
28	F	803	BCR	C23-C24-C25	-2.70	119.61	127.20
25	9	309	CLA	CHB-C4A-NA	2.70	128.25	124.51
25	B	824	CLA	CMB-C2B-C3B	2.70	129.74	124.68
25	9	304	CLA	CMB-C2B-C3B	2.70	129.74	124.68
34	1	616	LUT	C4-C5-C6	-2.70	114.82	120.85
34	9	312	LUT	C39-C29-C28	2.70	122.33	118.08
25	Q	618	CLA	C1B-CHB-C4A	-2.70	124.77	130.12
25	6	610	CLA	CHB-C4A-NA	2.70	128.25	124.51
32	J	104	LMG	O8-C28-C29	2.70	120.39	111.91
25	A	835	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
25	9	309	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
25	B	820	CLA	CMB-C2B-C3B	2.70	129.73	124.68
25	4	312	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
25	2	306	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
27	5	321	LHG	O8-C23-C24	2.70	120.38	111.91
28	3	319	BCR	C16-C15-C14	-2.70	117.95	123.47
28	L	204	BCR	C30-C25-C24	2.70	123.41	115.78
25	B	804	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
33	S	321	CHL	O2D-CGD-O1D	-2.70	118.56	123.84
25	B	818	CLA	C1-C2-C3	-2.70	121.38	126.04
28	A	854	BCR	C7-C8-C9	-2.70	122.16	126.23
25	B	827	CLA	CMB-C2B-C3B	2.70	129.72	124.68
25	a	310	CLA	CMB-C2B-C3B	2.70	129.72	124.68
27	A	844	LHG	O8-C23-C24	2.69	120.36	111.91
25	A	816	CLA	CHB-C4A-NA	2.69	128.24	124.51
25	5	315	CLA	CHB-C4A-NA	2.69	128.24	124.51
25	R	610	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
25	O	201	CLA	CMB-C2B-C3B	2.69	129.72	124.68
25	A	801	CLA	CBA-CAA-C2A	-2.69	105.92	113.86
33	Q	607	CHL	CHC-C1C-NC	2.69	128.29	124.20
34	S	316	LUT	C35-C15-C14	-2.69	117.96	123.47
36	R	617	NEX	C24-C23-C22	-2.69	105.57	110.77
25	8	312	CLA	CHB-C4A-NA	2.69	128.23	124.51
25	A	832	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
25	3	312	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
33	P	622	CHL	CHD-C4C-NC	2.69	128.44	124.20
33	R	606	CHL	CHC-C1C-NC	2.69	128.28	124.20
25	B	838	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
25	1	613	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
33	Q	605	CHL	C2A-C3A-C4A	-2.69	98.35	101.78
28	B	842	BCR	C8-C7-C6	-2.69	119.65	127.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	818	CLA	CMB-C2B-C3B	2.69	129.71	124.68
25	7	302	CLA	CMB-C2B-C3B	2.69	129.71	124.68
33	6	608	CHL	C3B-C4B-NB	2.69	112.69	109.21
25	A	805	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
33	6	608	CHL	CHB-C4A-NA	2.69	128.23	124.51
25	a	313	CLA	O2D-CGD-O1D	-2.69	118.59	123.84
25	A	842	CLA	CMC-C2C-C1C	-2.69	120.95	125.04
33	5	307	CHL	C3C-C4C-NC	2.68	113.58	110.57
25	6	616	CLA	CMB-C2B-C3B	2.68	129.70	124.68
25	A	813	CLA	CHB-C4A-NA	2.68	128.22	124.51
25	4	302	CLA	O2D-CGD-O1D	-2.68	118.59	123.84
33	U	308	CHL	C3C-C4C-NC	2.68	113.58	110.57
32	J	107	LMG	C1-C2-C3	2.68	115.58	110.00
25	B	811	CLA	CMB-C2B-C3B	2.68	129.70	124.68
25	K	203	CLA	CMB-C2B-C3B	2.68	129.70	124.68
28	J	101	BCR	C38-C26-C27	2.68	118.77	113.62
28	L	208	BCR	C33-C5-C6	-2.68	121.52	124.53
36	U	316	NEX	C24-C23-C22	-2.68	105.59	110.77
25	9	302	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
25	L	201	CLA	CMB-C2B-C3B	2.68	129.69	124.68
25	P	604	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
25	5	316	CLA	CHB-C4A-NA	2.68	128.22	124.51
32	7	319	LMG	O1-C1-C2	2.68	112.49	108.30
28	L	207	BCR	C3-C4-C5	-2.68	109.29	114.08
28	B	840	BCR	C16-C15-C14	-2.68	117.98	123.47
25	A	820	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
25	B	828	CLA	CMB-C2B-C3B	2.68	129.69	124.68
28	J	106	BCR	C33-C5-C4	2.68	118.76	113.62
34	8	316	LUT	C30-C31-C32	-2.68	114.86	123.22
25	A	807	CLA	CHB-C4A-NA	2.68	128.22	124.51
25	2	314	CLA	CMB-C2B-C3B	2.68	129.69	124.68
25	A	804	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
25	a	311	CLA	C1-C2-C3	-2.68	121.41	126.04
25	A	823	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
34	4	316	LUT	C10-C11-C12	-2.68	114.87	123.22
25	H	201	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
34	9	312	LUT	C30-C31-C32	-2.67	114.87	123.22
25	8	314	CLA	CMB-C2B-C1B	-2.67	124.36	128.46
28	B	845	BCR	C15-C14-C13	-2.67	123.50	127.31
25	T	609	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
25	2	303	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
25	A	822	CLA	O2D-CGD-CBD	2.67	116.02	111.27

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	834	CLA	CHB-C4A-NA	2.67	128.21	124.51
25	2	302	CLA	CHB-C4A-NA	2.67	128.21	124.51
25	T	612	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
25	8	306	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
25	O	202	CLA	CBD-CHA-C1A	2.67	131.65	128.50
25	7	308	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
25	6	615	CLA	CHB-C4A-NA	2.67	128.20	124.51
25	9	309	CLA	C1-C2-C3	-2.67	121.43	126.04
25	K	201	CLA	CMB-C2B-C3B	2.67	129.67	124.68
25	3	303	CLA	O2A-CGA-O1A	-2.67	116.86	123.59
33	Q	608	CHL	CHD-C1D-ND	-2.67	122.00	124.45
25	9	310	CLA	CHB-C4A-NA	2.67	128.20	124.51
25	2	307	CLA	CHB-C4A-NA	2.67	128.20	124.51
25	6	610	CLA	CMB-C2B-C1B	-2.67	124.37	128.46
34	2	316	LUT	C30-C31-C32	-2.67	114.90	123.22
25	A	842	CLA	C1-C2-C3	-2.67	121.43	126.04
25	A	837	CLA	CHB-C4A-NA	2.66	128.20	124.51
25	6	614	CLA	CHB-C4A-NA	2.66	128.20	124.51
25	T	608	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
25	P	612	CLA	C1-C2-C3	2.66	130.65	126.04
33	R	601	CHL	CHD-C4C-NC	2.66	128.40	124.20
34	P	615	LUT	C3-C4-C5	-2.66	106.55	111.85
25	A	803	CLA	CMB-C2B-C3B	2.66	129.66	124.68
25	5	314	CLA	O2D-CGD-O1D	-2.66	118.63	123.84
25	S	315	CLA	CHB-C4A-NA	2.66	128.19	124.51
34	a	314	LUT	C11-C10-C9	-2.66	123.51	127.31
25	J	103	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
33	R	607	CHL	CMB-C2B-C3B	2.66	129.66	124.68
33	U	309	CHL	CAC-C3C-C4C	2.66	128.26	124.81
33	T	604	CHL	CMB-C2B-C3B	2.66	129.66	124.68
25	6	614	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
33	P	622	CHL	O2A-CGA-CBA	2.66	120.25	111.91
25	A	806	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
28	4	317	BCR	C21-C20-C19	-2.66	114.92	123.22
33	U	308	CHL	CMB-C2B-C3B	2.66	129.65	124.68
25	B	807	CLA	O2A-CGA-O1A	-2.66	116.89	123.59
33	7	305	CHL	C4-C3-C5	2.66	119.74	115.27
25	O	202	CLA	CMB-C2B-C3B	2.66	129.65	124.68
25	8	308	CLA	C1-C2-C3	-2.66	122.45	126.75
33	P	619	CHL	O2D-CGD-O1D	-2.66	118.65	123.84
34	1	616	LUT	C20-C13-C12	2.66	122.26	118.08
25	5	319	CLA	C1B-CHB-C4A	-2.66	124.86	130.12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	3	303	CLA	CHB-C4A-NA	2.65	128.18	124.51
25	a	312	CLA	O2D-CGD-O1D	-2.65	118.65	123.84
25	B	823	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
25	3	314	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
26	A	841	PQN	C2M-C2-C3	-2.65	120.07	124.40
25	A	842	CLA	CHB-C4A-NA	2.65	128.18	124.51
28	A	846	BCR	C33-C5-C4	2.65	118.71	113.62
28	J	106	BCR	C4-C5-C6	-2.65	118.88	122.73
25	A	827	CLA	C1-C2-C3	-2.65	121.45	126.04
25	A	811	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
25	5	304	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
33	6	607	CHL	C1-C2-C3	-2.65	121.46	126.04
25	1	613	CLA	CMB-C2B-C3B	2.65	129.64	124.68
25	U	304	CLA	O2D-CGD-O1D	-2.65	118.65	123.84
35	P	616	XAT	C35-C15-C14	-2.65	118.04	123.47
25	A	810	CLA	CMB-C2B-C1B	-2.65	124.39	128.46
25	8	311	CLA	O2D-CGD-CBD	2.65	115.98	111.27
25	A	805	CLA	CMB-C2B-C3B	2.65	129.64	124.68
25	1	614	CLA	CHB-C4A-NA	2.65	128.18	124.51
25	Q	603	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
25	Q	609	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
28	3	318	BCR	C1-C6-C7	2.65	123.27	115.78
36	U	301	NEX	C24-C23-C22	-2.65	105.66	110.77
34	3	316	LUT	C35-C34-C33	-2.65	123.53	127.31
28	3	318	BCR	C30-C25-C26	-2.65	118.88	122.61
25	7	303	CLA	CHB-C4A-NA	2.65	128.17	124.51
33	P	607	CHL	CMB-C2B-C3B	2.65	129.63	124.68
25	S	315	CLA	C1B-CHB-C4A	-2.65	124.88	130.12
25	2	304	CLA	CHB-C4A-NA	2.65	128.17	124.51
33	U	308	CHL	CHC-C1C-NC	2.65	128.22	124.20
25	P	611	CLA	CED-O2D-CGD	2.65	121.92	115.94
25	Q	612	CLA	O2D-CGD-O1D	-2.65	118.67	123.84
25	G	201	CLA	CHB-C4A-NA	2.65	128.17	124.51
28	G	203	BCR	C33-C5-C4	2.64	118.69	113.62
33	P	601	CHL	CHD-C4C-NC	2.64	128.37	124.20
25	5	314	CLA	C1B-CHB-C4A	-2.64	124.88	130.12
25	B	831	CLA	CHB-C4A-NA	2.64	128.17	124.51
33	P	619	CHL	CMB-C2B-C3B	2.64	129.62	124.68
25	P	603	CLA	C1B-CHB-C4A	-2.64	124.88	130.12
34	4	316	LUT	C21-C26-C27	-2.64	109.36	112.70
25	3	302	CLA	CMB-C2B-C3B	2.64	129.62	124.68
34	U	314	LUT	C18-C5-C4	2.64	119.25	114.36

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	J	101	BCR	C35-C13-C12	2.64	122.24	118.08
34	4	316	LUT	C3-C4-C5	-2.64	106.59	111.85
36	P	621	NEX	C17-C1-C6	-2.64	108.11	110.47
33	1	601	CHL	O2D-CGD-O1D	-2.64	118.68	123.84
28	G	203	BCR	C28-C27-C26	-2.64	109.37	114.08
25	3	301	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
25	B	838	CLA	CHB-C4A-NA	2.64	128.16	124.51
25	A	802	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
34	P	614	LUT	C20-C13-C12	2.64	122.23	118.08
33	T	604	CHL	CAA-CBA-CGA	-2.64	105.55	113.25
33	4	305	CHL	C3B-C4B-NB	2.64	112.62	109.21
25	R	612	CLA	C1-C2-C3	2.64	130.60	126.04
28	4	321	BCR	C35-C13-C14	-2.64	119.23	122.92
25	a	303	CLA	CAA-C2A-C3A	-2.64	105.56	112.78
36	P	621	NEX	C20-C13-C14	-2.64	119.23	122.92
25	8	304	CLA	O2D-CGD-O1D	-2.64	118.69	123.84
25	U	304	CLA	CHB-C4A-NA	2.64	128.16	124.51
34	1	615	LUT	C16-C1-C6	-2.64	106.03	110.30
25	7	301	CLA	CMB-C2B-C3B	2.63	129.61	124.68
25	5	303	CLA	CHB-C4A-NA	2.63	128.16	124.51
25	9	305	CLA	CMB-C2B-C1B	-2.63	124.42	128.46
33	Q	601	CHL	CHD-C4C-NC	2.63	128.35	124.20
33	5	308	CHL	CHD-C1D-ND	-2.63	122.03	124.45
30	B	848	DGD	C6E-C5E-C4E	-2.63	106.84	113.00
33	P	607	CHL	O2D-CGD-O1D	-2.63	118.69	123.84
25	6	613	CLA	C1-C2-C3	-2.63	121.49	126.04
25	Q	612	CLA	CHD-C1D-ND	-2.63	122.04	124.45
34	8	317	LUT	C10-C11-C12	-2.63	115.01	123.22
25	1	614	CLA	CMB-C2B-C3B	2.63	129.60	124.68
25	A	822	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
25	9	302	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
33	P	609	CHL	CHD-C1D-ND	-2.63	122.04	124.45
33	5	317	CHL	CMB-C2B-C3B	2.63	129.59	124.68
25	3	304	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
25	3	301	CLA	CMB-C2B-C3B	2.63	129.59	124.68
25	9	308	CLA	CHB-C4A-NA	2.63	128.14	124.51
34	9	312	LUT	C18-C5-C6	-2.63	121.58	124.53
35	T	615	XAT	C15-C35-C34	-2.63	118.09	123.47
25	B	827	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
35	P	616	XAT	C24-C23-C22	-2.62	105.70	110.77
25	B	821	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
34	7	314	LUT	C8-C7-C6	-2.62	119.83	127.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	U	312	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
33	6	608	CHL	CMB-C2B-C3B	2.62	129.59	124.68
28	3	319	BCR	C34-C9-C10	-2.62	119.25	122.92
25	Q	613	CLA	O2A-CGA-O1A	-2.62	116.97	123.59
25	a	301	CLA	C1B-CHB-C4A	-2.62	124.92	130.12
25	G	201	CLA	C1-C2-C3	-2.62	122.51	126.75
25	K	201	CLA	CHB-C4A-NA	2.62	128.14	124.51
34	4	315	LUT	C18-C5-C4	2.62	119.21	114.36
25	H	202	CLA	CMA-C3A-C2A	-2.62	109.98	116.10
33	7	305	CHL	O2A-CGA-CBA	2.62	120.14	111.91
32	4	320	LMG	C3-C4-C5	2.62	114.92	110.24
27	Q	617	LHG	O8-C23-C24	2.62	120.14	111.91
34	3	315	LUT	C39-C29-C28	2.62	122.21	118.08
25	3	320	CLA	C1B-CHB-C4A	-2.62	124.92	130.12
25	9	304	CLA	CHB-C4A-NA	2.62	128.14	124.51
33	3	306	CHL	CHB-C4A-NA	2.62	128.14	124.51
25	Q	610	CLA	CED-O2D-CGD	2.62	121.86	115.94
25	B	811	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
33	5	317	CHL	CHC-C1C-NC	2.62	128.18	124.20
28	B	851	BCR	C38-C26-C27	2.62	118.65	113.62
33	7	305	CHL	C1B-CHB-C4A	-2.62	124.93	130.12
34	a	315	LUT	C4-C5-C6	-2.62	115.01	120.85
28	L	204	BCR	C34-C9-C10	-2.62	119.26	122.92
34	T	614	LUT	C19-C9-C8	2.62	122.20	118.08
33	6	617	CHL	C3C-C4C-NC	2.62	113.51	110.57
25	A	839	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
33	R	609	CHL	CHD-C1D-ND	-2.62	122.05	124.45
25	R	611	CLA	C1B-CHB-C4A	-2.62	124.94	130.12
28	A	846	BCR	C37-C22-C21	-2.62	119.26	122.92
25	A	824	CLA	O2A-CGA-O1A	-2.62	116.99	123.59
28	3	317	BCR	C33-C5-C4	2.62	118.64	113.62
33	R	607	CHL	O2D-CGD-O1D	-2.61	118.73	123.84
25	A	826	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
25	2	302	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
28	O	205	BCR	C38-C26-C27	2.61	118.64	113.62
25	H	202	CLA	CMB-C2B-C3B	2.61	129.57	124.68
25	5	309	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
25	3	305	CLA	CHB-C4A-NA	2.61	128.12	124.51
28	B	842	BCR	C16-C15-C14	-2.61	118.12	123.47
27	4	318	LHG	C5-O7-C7	-2.61	111.36	117.79
25	2	304	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
25	A	809	CLA	C1B-CHB-C4A	-2.61	124.94	130.12

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	P	622	CHL	CMB-C2B-C3B	2.61	129.56	124.68
33	S	310	CHL	CMB-C2B-C3B	2.61	129.56	124.68
25	R	614	CLA	CHB-C4A-NA	2.61	128.12	124.51
25	S	313	CLA	CHB-C4A-NA	2.61	128.12	124.51
25	T	609	CLA	C1-C2-C3	-2.61	121.53	126.04
25	A	821	CLA	CMB-C2B-C3B	2.61	129.56	124.68
25	A	814	CLA	CHB-C4A-NA	2.61	128.12	124.51
25	P	604	CLA	CMB-C2B-C3B	2.61	129.56	124.68
28	J	101	BCR	C23-C24-C25	-2.61	119.88	127.20
25	B	807	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
34	3	316	LUT	C10-C11-C12	-2.61	115.08	123.22
35	S	318	XAT	C25-C24-C23	2.61	117.91	112.75
25	6	601	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
30	B	848	DGD	O5D-C6D-C5D	2.61	113.87	109.05
25	Q	609	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
25	8	309	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
25	T	603	CLA	CHB-C4A-NA	2.60	128.11	124.51
34	5	322	LUT	C8-C7-C6	-2.60	119.89	127.20
28	L	203	BCR	C16-C17-C18	-2.60	123.59	127.31
25	A	832	CLA	CHB-C4A-NA	2.60	128.11	124.51
25	5	309	CLA	CHB-C4A-NA	2.60	128.11	124.51
28	5	320	BCR	C8-C7-C6	-2.60	119.89	127.20
34	9	313	LUT	C31-C30-C29	-2.60	123.59	127.31
33	P	606	CHL	CHC-C1C-NC	2.60	128.15	124.20
33	R	608	CHL	C3C-C4C-NC	2.60	113.49	110.57
25	6	620	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
34	R	616	LUT	C19-C9-C8	2.60	122.17	118.08
33	6	607	CHL	CHB-C4A-NA	2.60	128.11	124.51
25	B	822	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
25	3	302	CLA	CHB-C4A-NA	2.60	128.11	124.51
25	a	308	CLA	CHC-C1C-NC	2.60	128.14	124.20
30	B	848	DGD	O6E-C1E-C2E	2.60	115.85	110.35
34	U	314	LUT	C3-C4-C5	-2.60	106.68	111.85
33	4	304	CHL	CHC-C1C-NC	2.60	128.14	124.20
25	3	307	CLA	C1-C2-C3	-2.60	122.55	126.75
28	B	840	BCR	C20-C21-C22	-2.60	123.60	127.31
25	F	802	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
28	L	203	BCR	C10-C11-C12	-2.60	115.11	123.22
28	B	851	BCR	C36-C18-C17	-2.60	119.29	122.92
27	6	618	LHG	O8-C23-C24	2.60	120.06	111.91
25	2	313	CLA	CHB-C4A-NA	2.60	128.10	124.51
25	a	306	CLA	CHB-C4A-NA	2.60	128.10	124.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	6	621	BCR	C1-C6-C7	2.60	123.12	115.78
25	H	202	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
25	L	205	CLA	CHB-C4A-NA	2.60	128.10	124.51
25	4	302	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
25	S	305	CLA	C1-C2-C3	-2.60	122.55	126.75
25	P	604	CLA	C1-C2-C3	-2.59	122.55	126.75
25	Q	618	CLA	C2A-C3A-C4A	-2.59	98.98	103.59
25	B	835	CLA	O2A-CGA-O1A	-2.59	117.05	123.59
33	8	307	CHL	C4-C3-C5	2.59	119.63	115.27
34	a	316	LUT	C20-C13-C14	-2.59	119.29	122.92
25	3	320	CLA	CMB-C2B-C3B	2.59	129.53	124.68
34	4	315	LUT	C1-C2-C3	2.59	119.50	113.64
25	a	308	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
25	1	609	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
25	T	611	CLA	CHB-C4A-NA	2.59	128.09	124.51
25	O	203	CLA	CHB-C4A-NA	2.59	128.09	124.51
25	6	601	CLA	CHB-C4A-NA	2.59	128.09	124.51
25	S	313	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
27	4	319	LHG	O8-C23-C24	2.59	120.03	111.91
25	6	623	CLA	O2D-CGD-CBD	2.59	115.87	111.27
32	4	320	LMG	C8-O7-C10	-2.59	111.42	117.79
25	B	810	CLA	CHB-C4A-NA	2.59	128.09	124.51
25	6	609	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
25	A	827	CLA	CMB-C2B-C3B	2.59	129.52	124.68
28	3	319	BCR	C8-C9-C10	2.59	122.91	118.94
34	1	617	LUT	C3-C4-C5	-2.59	106.70	111.85
25	7	302	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
34	U	315	LUT	C15-C35-C34	-2.59	118.17	123.47
25	L	202	CLA	CHB-C4A-NA	2.59	128.09	124.51
33	Q	606	CHL	CHC-C1C-NC	2.59	128.13	124.20
33	S	306	CHL	CHD-C4C-NC	2.59	128.28	124.20
25	5	305	CLA	C1-C2-C3	-2.59	122.57	126.75
25	R	602	CLA	C1B-CHB-C4A	-2.59	125.00	130.12
25	1	607	CLA	CHB-C4A-NA	2.59	128.09	124.51
25	8	315	CLA	CHB-C4A-NA	2.59	128.09	124.51
33	6	606	CHL	C1-C2-C3	-2.58	121.58	126.04
25	8	302	CLA	CMB-C2B-C3B	2.58	129.51	124.68
27	P	618	LHG	O8-C23-C24	2.58	120.01	111.91
25	A	819	CLA	CHB-C4A-NA	2.58	128.08	124.51
25	A	831	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
33	6	617	CHL	C1B-CHB-C4A	-2.58	125.00	130.12
28	L	203	BCR	C11-C10-C9	-2.58	123.62	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	Q	611	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
25	O	201	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
25	5	313	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
33	1	601	CHL	CMB-C2B-C3B	2.58	129.51	124.68
28	O	204	BCR	C7-C8-C9	-2.58	122.34	126.23
34	7	314	LUT	C3-C4-C5	-2.58	106.72	111.85
28	3	318	BCR	C1-C6-C5	-2.58	118.98	122.61
25	5	302	CLA	CMB-C2B-C3B	2.58	129.50	124.68
33	P	622	CHL	C4-C3-C5	2.58	119.61	115.27
32	J	107	LMG	C1-O6-C5	2.58	118.75	113.69
25	A	818	CLA	CHB-C4A-NA	2.58	128.08	124.51
33	P	608	CHL	C3C-C4C-NC	2.58	113.46	110.57
28	L	204	BCR	C30-C25-C26	-2.58	118.98	122.61
25	P	611	CLA	CMA-C3A-C2A	-2.58	110.08	116.10
25	R	604	CLA	CHB-C4A-NA	2.58	128.08	124.51
33	4	306	CHL	C3C-C4C-NC	2.58	113.46	110.57
25	8	302	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
28	K	206	BCR	C34-C9-C10	-2.58	119.31	122.92
25	1	613	CLA	CHB-C4A-NA	2.58	128.07	124.51
35	T	615	XAT	C24-C23-C22	-2.58	105.80	110.77
25	3	311	CLA	C1B-CHB-C4A	-2.58	125.02	130.12
25	2	312	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
34	a	314	LUT	C15-C14-C13	-2.57	123.64	127.31
25	3	308	CLA	O2A-CGA-O1A	-2.57	117.09	123.59
25	5	304	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
34	a	314	LUT	C39-C29-C28	2.57	122.13	118.08
25	L	202	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
25	A	837	CLA	O2A-CGA-O1A	-2.57	117.10	123.59
34	Q	614	LUT	C31-C30-C29	-2.57	123.64	127.31
32	J	107	LMG	O8-C28-C29	2.57	119.98	111.91
25	4	311	CLA	CMB-C2B-C1B	-2.57	124.51	128.46
28	B	845	BCR	C38-C26-C25	-2.57	121.64	124.53
33	Q	607	CHL	C3C-C4C-NC	2.57	113.45	110.57
25	T	609	CLA	O2A-CGA-O1A	-2.57	117.10	123.59
25	S	314	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
25	2	311	CLA	CMB-C2B-C3B	2.57	129.49	124.68
25	A	820	CLA	CHB-C4A-NA	2.57	128.07	124.51
35	Q	616	XAT	C20-C13-C14	-2.57	119.32	122.92
34	U	315	LUT	C19-C9-C8	2.57	122.13	118.08
33	a	305	CHL	C3B-C4B-NB	2.57	112.53	109.21
33	6	607	CHL	C1B-CHB-C4A	-2.57	125.03	130.12
34	2	316	LUT	C35-C34-C33	-2.57	123.64	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	840	BCR	C23-C24-C25	-2.57	119.99	127.20
25	B	828	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
25	U	313	CLA	O2A-CGA-O1A	-2.57	116.90	123.30
25	B	836	CLA	CHB-C4A-NA	2.57	128.06	124.51
25	J	103	CLA	CHB-C4A-NA	2.57	128.06	124.51
25	5	305	CLA	CMB-C2B-C3B	2.57	129.48	124.68
33	U	307	CHL	CMB-C2B-C3B	2.57	129.48	124.68
33	6	608	CHL	CAA-C2A-C1A	-2.57	103.56	111.97
25	8	305	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
28	I	201	BCR	C36-C18-C17	-2.57	119.33	122.92
34	R	616	LUT	C38-C25-C24	-2.57	118.07	123.56
33	9	306	CHL	OMC-CMC-C2C	-2.57	119.89	125.69
25	a	310	CLA	CHB-C4A-NA	2.57	128.06	124.51
25	B	820	CLA	CHB-C4A-NA	2.56	128.06	124.51
34	S	316	LUT	C20-C13-C12	2.56	122.12	118.08
25	A	828	CLA	CMB-C2B-C1B	-2.56	124.52	128.46
25	B	810	CLA	CMB-C2B-C3B	2.56	129.47	124.68
25	8	304	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
25	A	807	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
25	a	309	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
28	A	848	BCR	C28-C27-C26	-2.56	109.50	114.08
27	B	847	LHG	O8-C23-C24	2.56	119.95	111.91
34	1	617	LUT	C1-C6-C7	2.56	123.02	115.78
25	B	849	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
25	A	812	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
25	B	833	CLA	O2A-CGA-O1A	-2.56	117.13	123.59
25	9	301	CLA	CAB-C3B-C2B	2.56	129.70	124.69
34	4	316	LUT	C18-C5-C4	2.56	119.10	114.36
33	6	608	CHL	CAA-CBA-CGA	-2.56	105.78	113.25
25	8	313	CLA	CMB-C2B-C3B	2.56	129.47	124.68
25	A	833	CLA	CHB-C4A-NA	2.56	128.05	124.51
25	Q	611	CLA	O2A-CGA-O1A	-2.56	117.14	123.59
25	U	311	CLA	O2A-CGA-O1A	-2.56	117.14	123.59
25	9	311	CLA	CMB-C2B-C3B	2.56	129.46	124.68
35	S	318	XAT	C40-C33-C32	2.56	122.11	118.08
25	5	319	CLA	C2A-C1A-CHA	2.56	128.33	123.86
25	4	311	CLA	CHB-C4A-NA	2.56	128.05	124.51
34	9	313	LUT	C16-C1-C6	-2.56	106.15	110.30
26	A	841	PQN	C21-C22-C23	-2.56	107.66	115.92
25	J	103	CLA	O2A-CGA-O1A	-2.56	117.14	123.59
25	7	303	CLA	C1B-CHB-C4A	-2.56	125.06	130.12
34	6	622	LUT	C8-C7-C6	-2.56	120.02	127.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	K	206	BCR	C33-C5-C4	2.56	118.53	113.62
25	4	301	CLA	O2D-CGD-O1D	-2.55	118.84	123.84
25	B	804	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
25	5	313	CLA	CMD-C2D-C3D	-2.55	121.74	127.61
25	H	203	CLA	CHB-C4A-NA	2.55	128.04	124.51
25	B	826	CLA	C1-C2-C3	-2.55	121.63	126.04
28	8	301	BCR	C33-C5-C4	2.55	118.52	113.62
25	A	840	CLA	CMB-C2B-C1B	-2.55	124.54	128.46
25	a	313	CLA	CHB-C4A-NA	2.55	128.04	124.51
28	G	203	BCR	C16-C15-C14	-2.55	118.24	123.47
25	Q	604	CLA	CMB-C2B-C3B	2.55	129.45	124.68
34	1	615	LUT	C10-C11-C12	-2.55	115.25	123.22
25	P	610	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
25	7	306	CLA	CMB-C2B-C3B	2.55	129.45	124.68
25	3	307	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
25	U	302	CLA	CHB-C4A-NA	2.55	128.04	124.51
25	5	316	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
25	5	324	CLA	CMB-C2B-C3B	2.55	129.45	124.68
28	A	846	BCR	C16-C15-C14	-2.55	118.25	123.47
36	U	301	NEX	C26-C27-C28	-2.55	120.60	125.99
28	A	846	BCR	C21-C20-C19	-2.55	115.26	123.22
28	A	846	BCR	C28-C27-C26	-2.55	109.53	114.08
25	Q	602	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
33	4	306	CHL	C5-C3-C4	2.55	120.23	114.60
25	A	826	CLA	CHB-C4A-NA	2.55	128.04	124.51
25	J	105	CLA	CMB-C2B-C3B	2.55	129.44	124.68
25	9	310	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
25	4	303	CLA	CHB-C4A-NA	2.55	128.03	124.51
33	T	601	CHL	CHD-C4C-NC	2.55	128.22	124.20
25	2	308	CLA	CMB-C2B-C3B	2.55	129.44	124.68
33	T	606	CHL	C3C-C4C-NC	2.55	113.43	110.57
25	B	812	CLA	CMB-C2B-C3B	2.55	129.44	124.68
25	1	612	CLA	C2A-C1A-CHA	2.55	128.31	123.86
25	B	813	CLA	CMB-C2B-C3B	2.55	129.44	124.68
33	S	307	CHL	CMB-C2B-C3B	2.55	129.44	124.68
25	B	811	CLA	CHB-C4A-NA	2.54	128.03	124.51
25	H	201	CLA	CHB-C4A-NA	2.54	128.03	124.51
25	O	201	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
25	B	824	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
35	P	623	XAT	O23-C23-C24	-2.54	104.75	109.80
25	2	313	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
25	a	309	CLA	O2D-CGD-O1D	-2.54	118.87	123.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	R	610	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
25	P	610	CLA	CHD-C1D-ND	-2.54	122.12	124.45
25	H	203	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
25	a	301	CLA	O1D-CGD-CBD	2.54	129.68	124.48
25	B	835	CLA	CMB-C2B-C3B	2.54	129.43	124.68
34	a	315	LUT	C1-C6-C5	-2.54	119.04	122.61
25	B	821	CLA	CHB-C4A-NA	2.54	128.02	124.51
25	4	307	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
25	6	623	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
27	S	319	LHG	O8-C23-C24	2.54	119.88	111.91
28	F	801	BCR	C20-C19-C18	-2.54	119.28	126.42
33	4	304	CHL	CHD-C1D-ND	-2.54	122.12	124.45
25	5	309	CLA	CMB-C2B-C3B	2.54	129.43	124.68
34	2	316	LUT	C16-C1-C6	-2.54	106.18	110.30
25	A	809	CLA	O2D-CGD-CBD	2.54	115.78	111.27
25	A	818	CLA	O2A-CGA-O1A	-2.54	117.19	123.59
25	R	604	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
25	7	301	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
25	A	821	CLA	C1B-CHB-C4A	-2.54	125.10	130.12
25	L	206	CLA	CHB-C4A-NA	2.53	128.02	124.51
25	3	309	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
28	B	842	BCR	C10-C11-C12	-2.53	115.31	123.22
25	T	612	CLA	CHB-C4A-NA	2.53	128.02	124.51
25	H	201	CLA	CMB-C2B-C3B	2.53	129.42	124.68
28	F	801	BCR	C15-C14-C13	-2.53	123.70	127.31
34	P	615	LUT	C15-C35-C34	-2.53	118.29	123.47
25	B	836	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
25	A	828	CLA	CMB-C2B-C3B	2.53	129.41	124.68
25	a	311	CLA	CMB-C2B-C3B	2.53	129.41	124.68
27	T	617	LHG	O8-C23-C24	2.53	119.85	111.91
25	a	301	CLA	CHB-C4A-NA	2.53	128.01	124.51
28	B	844	BCR	C28-C27-C26	-2.53	109.56	114.08
25	3	310	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
33	R	609	CHL	CMB-C2B-C1B	-2.53	124.58	128.46
25	4	307	CLA	CHB-C4A-NA	2.53	128.01	124.51
25	A	835	CLA	O2A-CGA-O1A	-2.53	117.21	123.59
25	7	306	CLA	O2A-CGA-O1A	-2.53	117.21	123.59
32	H	204	LMG	O8-C28-C29	2.53	119.84	111.91
28	B	843	BCR	C33-C5-C4	2.53	118.47	113.62
28	A	847	BCR	C21-C20-C19	-2.53	115.33	123.22
25	K	205	CLA	CHB-C4A-NA	2.53	128.01	124.51
25	S	314	CLA	CHB-C4A-NA	2.53	128.01	124.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	302	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
25	Q	609	CLA	CHD-C1D-ND	-2.53	122.13	124.45
25	5	314	CLA	CHB-C4A-NA	2.53	128.00	124.51
25	8	304	CLA	CHB-C4A-NA	2.53	128.00	124.51
28	A	846	BCR	C38-C26-C27	2.53	118.47	113.62
25	a	312	CLA	CHB-C4A-NA	2.53	128.00	124.51
25	B	837	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
33	U	307	CHL	O2A-CGA-CBA	2.52	119.83	111.91
34	S	316	LUT	C30-C31-C32	-2.52	115.34	123.22
25	S	320	CLA	O2D-CGD-O1D	-2.52	118.90	123.84
25	A	816	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
33	T	607	CHL	CMB-C2B-C3B	2.52	129.40	124.68
34	1	616	LUT	C1-C6-C5	-2.52	119.06	122.61
25	2	312	CLA	CMB-C2B-C3B	2.52	129.40	124.68
33	4	306	CHL	CHC-C1C-NC	2.52	128.03	124.20
25	7	312	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
25	A	831	CLA	CMB-C2B-C3B	2.52	129.39	124.68
25	O	202	CLA	O2D-CGD-O1D	-2.52	118.37	124.09
25	6	610	CLA	O2D-CGD-O1D	-2.52	118.91	123.84
25	5	310	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
25	K	201	CLA	O2D-CGD-CBD	2.52	115.74	111.27
33	T	601	CHL	CMB-C2B-C3B	2.52	129.39	124.68
34	T	613	LUT	C3-C4-C5	-2.52	106.84	111.85
25	7	306	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
25	K	203	CLA	CHB-C4A-NA	2.52	127.99	124.51
25	4	312	CLA	CHB-C4A-NA	2.52	127.99	124.51
28	B	843	BCR	C33-C5-C6	-2.52	121.70	124.53
25	B	820	CLA	O2D-CGD-O1D	-2.52	118.92	123.84
28	3	317	BCR	C36-C18-C19	2.52	122.04	118.08
28	I	201	BCR	C8-C7-C6	-2.52	120.14	127.20
34	7	315	LUT	C30-C31-C32	-2.52	115.37	123.22
25	B	830	CLA	CHB-C4A-NA	2.52	127.99	124.51
25	6	615	CLA	CAA-CBA-CGA	-2.51	105.90	113.25
25	3	310	CLA	CHB-C4A-NA	2.51	127.99	124.51
25	a	308	CLA	O2A-CGA-O1A	-2.51	117.25	123.59
33	S	309	CHL	CMB-C2B-C3B	2.51	129.38	124.68
25	B	829	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
27	4	319	LHG	C5-O7-C7	-2.51	111.61	117.79
34	9	313	LUT	C18-C5-C6	-2.51	121.71	124.53
28	L	204	BCR	C10-C11-C12	-2.51	115.39	123.22
25	B	807	CLA	CMB-C2B-C3B	2.51	129.37	124.68
25	7	313	CLA	O2D-CGD-O1D	-2.51	118.93	123.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	R	613	CLA	CHB-C4A-NA	2.51	127.98	124.51
25	A	836	CLA	CMB-C2B-C3B	2.51	129.37	124.68
25	A	819	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
25	Q	603	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
35	P	616	XAT	C15-C35-C34	-2.51	118.34	123.47
25	B	837	CLA	CMB-C2B-C3B	2.51	129.37	124.68
33	R	606	CHL	CHB-C4A-NA	2.51	127.98	124.51
33	Q	608	CHL	CMB-C2B-C1B	-2.51	124.61	128.46
25	5	312	CLA	O2D-CGD-O1D	-2.51	118.94	123.84
25	T	611	CLA	O2D-CGD-O1D	-2.51	118.94	123.84
25	A	817	CLA	CMB-C2B-C1B	-2.51	124.61	128.46
25	U	310	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
25	1	609	CLA	O2A-CGA-O1A	-2.50	117.27	123.59
33	4	305	CHL	O2A-CGA-CBA	2.50	119.77	111.91
34	a	314	LUT	C19-C9-C8	2.50	122.02	118.08
25	B	831	CLA	O2A-CGA-O1A	-2.50	117.27	123.59
33	S	307	CHL	C3B-C4B-NB	2.50	112.45	109.21
28	G	203	BCR	C10-C11-C12	-2.50	115.41	123.22
25	1	602	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
25	6	612	CLA	CHB-C4A-NA	2.50	127.97	124.51
25	4	308	CLA	CAC-C3C-C4C	2.50	128.06	124.81
34	8	316	LUT	C20-C13-C14	-2.50	119.42	122.92
25	a	302	CLA	CHB-C4A-NA	2.50	127.97	124.51
32	J	107	LMG	O1-C1-C2	2.50	112.21	108.30
25	6	609	CLA	CHB-C4A-NA	2.50	127.97	124.51
33	P	609	CHL	CMB-C2B-C1B	-2.50	124.62	128.46
25	F	802	CLA	CHB-C4A-NA	2.50	127.97	124.51
25	6	612	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
25	A	830	CLA	O2D-CGD-CBD	2.50	115.71	111.27
25	A	851	CLA	CMB-C2B-C3B	2.50	129.35	124.68
28	J	101	BCR	C2-C1-C6	2.50	114.33	110.48
28	A	847	BCR	C7-C8-C9	-2.50	122.46	126.23
26	B	839	PQN	C14-C13-C15	2.50	119.47	115.27
33	6	607	CHL	C4-C3-C5	2.50	119.47	115.27
28	B	845	BCR	C11-C10-C9	-2.50	123.75	127.31
25	2	302	CLA	O2D-CGD-O1D	-2.50	118.96	123.84
33	1	606	CHL	C3B-C4B-NB	2.50	112.44	109.21
25	9	308	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
25	T	608	CLA	CHB-C4A-NA	2.50	127.96	124.51
25	4	302	CLA	CHB-C4A-NA	2.50	127.96	124.51
25	7	301	CLA	CHB-C4A-NA	2.50	127.96	124.51
34	7	314	LUT	C10-C11-C12	-2.50	115.43	123.22

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	825	CLA	C1-C2-C3	-2.50	121.73	126.04
25	2	311	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
25	3	302	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
27	P	624	LHG	O8-C23-C24	2.49	119.73	111.91
28	O	204	BCR	C39-C30-C25	-2.49	106.25	110.30
30	B	846	DGD	O1G-C1A-C2A	2.49	119.73	111.91
25	A	815	CLA	CHB-C4A-NA	2.49	127.96	124.51
25	5	309	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
25	A	814	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
34	1	615	LUT	C18-C5-C4	2.49	118.97	114.36
33	U	308	CHL	C4A-NA-C1A	-2.49	105.59	106.71
25	S	304	CLA	CMB-C2B-C3B	2.49	129.34	124.68
25	A	837	CLA	CAA-CBA-CGA	-2.49	105.97	113.25
33	9	306	CHL	CHB-C4A-NA	2.49	127.96	124.51
33	S	302	CHL	O2A-CGA-CBA	2.49	119.72	111.91
25	P	611	CLA	CGD-CBD-CAD	-2.49	102.67	110.73
34	3	316	LUT	C3-C4-C5	-2.49	106.89	111.85
34	6	622	LUT	C10-C11-C12	-2.49	115.45	123.22
27	A	852	LHG	O8-C23-C24	2.49	119.72	111.91
25	B	818	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
25	4	312	CLA	CMB-C2B-C3B	2.49	129.34	124.68
28	4	321	BCR	C16-C17-C18	-2.49	123.76	127.31
34	4	315	LUT	C21-C26-C27	-2.49	109.56	112.70
25	S	320	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
28	4	321	BCR	C7-C6-C5	-2.49	115.43	121.46
25	R	602	CLA	CHB-C4A-NA	2.49	127.95	124.51
34	7	314	LUT	C30-C31-C32	-2.49	115.45	123.22
33	R	605	CHL	C3C-C4C-NC	2.49	113.36	110.57
25	A	802	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
36	U	316	NEX	C26-C27-C28	-2.49	120.73	125.99
28	A	854	BCR	C27-C26-C25	-2.49	119.12	122.73
25	B	817	CLA	O2D-CGD-O1D	-2.49	118.98	123.84
34	T	614	LUT	C15-C35-C34	-2.49	118.38	123.47
25	A	827	CLA	C11-C12-C13	-2.49	107.88	115.92
33	S	308	CHL	C4-C3-C5	2.49	118.83	115.98
25	B	834	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
25	B	829	CLA	CHB-C4A-NA	2.49	127.95	124.51
27	R	618	LHG	O8-C23-C24	2.49	119.71	111.91
33	4	314	CHL	C3C-C4C-NC	2.49	113.36	110.57
35	P	623	XAT	C15-C35-C34	-2.48	118.38	123.47
25	A	812	CLA	C2D-C1D-ND	-2.48	108.27	110.10
25	U	303	CLA	C1B-CHB-C4A	-2.48	125.20	130.12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	843	BCR	C15-C16-C17	-2.48	118.39	123.47
25	7	302	CLA	CHB-C4A-NA	2.48	127.95	124.51
25	A	842	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
33	P	608	CHL	CMB-C2B-C3B	2.48	129.32	124.68
25	B	802	CLA	O2A-CGA-O1A	-2.48	117.33	123.59
25	B	832	CLA	CHB-C4A-NA	2.48	127.94	124.51
27	6	618	LHG	O7-C7-O9	-2.48	117.71	123.70
25	U	302	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
25	3	313	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
34	3	316	LUT	C15-C14-C13	-2.48	123.77	127.31
25	B	819	CLA	CHB-C4A-NA	2.48	127.94	124.51
25	5	312	CLA	CHB-C4A-NA	2.48	127.94	124.51
25	A	829	CLA	O2D-CGD-CBD	2.48	115.67	111.27
25	R	610	CLA	CHD-C1D-ND	-2.48	122.18	124.45
33	R	608	CHL	CMB-C2B-C3B	2.48	129.31	124.68
25	L	205	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
28	B	851	BCR	C4-C5-C6	-2.48	119.14	122.73
34	4	315	LUT	C16-C1-C6	-2.48	106.28	110.30
25	3	311	CLA	CMB-C2B-C3B	2.47	129.31	124.68
28	8	318	BCR	C2-C1-C6	2.47	114.29	110.48
25	4	309	CLA	O2D-CGD-O1D	-2.47	119.00	123.84
25	7	311	CLA	CHB-C4A-NA	2.47	127.93	124.51
28	F	803	BCR	C38-C26-C27	2.47	118.37	113.62
25	A	808	CLA	CMB-C2B-C3B	2.47	129.30	124.68
25	Q	612	CLA	CHB-C4A-NA	2.47	127.93	124.51
34	a	314	LUT	C31-C30-C29	-2.47	123.78	127.31
25	7	310	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
25	7	309	CLA	CHB-C4A-NA	2.47	127.93	124.51
33	4	304	CHL	CAA-C2A-C3A	-2.47	110.33	116.10
34	6	622	LUT	C31-C30-C29	-2.47	123.78	127.31
25	A	825	CLA	CAC-C3C-C4C	2.47	128.02	124.81
33	a	305	CHL	C3C-C4C-NC	2.47	113.34	110.57
35	P	620	XAT	C15-C35-C34	-2.47	118.42	123.47
34	3	316	LUT	C8-C7-C6	-2.47	120.27	127.20
25	A	830	CLA	CHB-C4A-NA	2.47	127.93	124.51
25	A	838	CLA	CHB-C4A-NA	2.47	127.93	124.51
25	B	815	CLA	O2D-CGD-CBD	2.47	115.65	111.27
25	K	202	CLA	CHB-C4A-NA	2.47	127.92	124.51
25	6	616	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
25	3	305	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
34	5	318	LUT	C16-C1-C6	-2.47	106.30	110.30
33	Q	607	CHL	CMB-C2B-C3B	2.47	129.29	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	2	303	CLA	CMB-C2B-C3B	2.47	129.29	124.68
25	B	806	CLA	O2D-CGD-CBD	2.47	115.65	111.27
28	F	801	BCR	C37-C22-C21	-2.47	119.47	122.92
34	a	315	LUT	C30-C31-C32	-2.46	115.53	123.22
28	F	801	BCR	C8-C7-C6	-2.46	120.28	127.20
25	A	851	CLA	O2A-CGA-O1A	-2.46	117.37	123.59
25	K	201	CLA	O2A-CGA-O1A	-2.46	117.37	123.59
25	B	813	CLA	O2D-CGD-O1D	-2.46	119.02	123.84
33	9	307	CHL	O2A-CGA-CBA	2.46	119.64	111.91
25	7	304	CLA	CMB-C2B-C1B	-2.46	124.68	128.46
34	2	316	LUT	C10-C11-C12	-2.46	115.53	123.22
35	Q	616	XAT	C31-C32-C33	-2.46	119.50	126.42
33	S	302	CHL	CMB-C2B-C3B	2.46	129.29	124.68
31	B	850	SQD	O48-C23-C24	2.46	119.64	111.91
25	7	311	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
33	1	601	CHL	CMD-C2D-C3D	-2.46	121.95	127.61
25	B	822	CLA	O2D-CGD-CBD	2.46	115.64	111.27
25	B	808	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
25	2	310	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
28	O	204	BCR	C4-C5-C6	-2.46	119.16	122.73
28	A	854	BCR	C38-C26-C25	-2.46	121.76	124.53
25	A	804	CLA	CHB-C4A-NA	2.46	127.92	124.51
34	T	614	LUT	C18-C5-C4	2.46	118.91	114.36
34	8	317	LUT	C18-C5-C4	2.46	118.91	114.36
34	7	315	LUT	C18-C5-C4	2.46	118.91	114.36
28	B	841	BCR	C38-C26-C27	2.46	118.34	113.62
25	P	610	CLA	CHB-C4A-NA	2.46	127.91	124.51
33	3	306	CHL	C4-C3-C5	2.46	119.41	115.27
25	A	828	CLA	O2A-CGA-O1A	-2.46	117.39	123.59
34	a	314	LUT	C16-C1-C6	-2.46	106.31	110.30
25	B	822	CLA	C1-C2-C3	-2.46	121.80	126.04
25	A	840	CLA	CHB-C4A-NA	2.46	127.91	124.51
25	2	305	CLA	CHB-C4A-NA	2.46	127.91	124.51
25	9	305	CLA	C1-C2-C3	-2.45	122.78	126.75
33	5	308	CHL	OBD-CAD-C3D	-2.45	122.61	128.52
25	2	302	CLA	CAA-CBA-CGA	-2.45	106.08	113.25
33	a	305	CHL	CMB-C2B-C3B	2.45	129.27	124.68
25	K	203	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
25	3	314	CLA	O2D-CGD-O1D	-2.45	119.04	123.84
25	4	301	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
33	Q	601	CHL	CMB-C2B-C3B	2.45	129.27	124.68
33	P	606	CHL	O2D-CGD-O1D	-2.45	119.04	123.84

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	4	315	LUT	C35-C15-C14	-2.45	118.45	123.47
25	S	312	CLA	O2A-CGA-O1A	-2.45	117.41	123.59
32	J	104	LMG	C7-O1-C1	-2.45	108.95	113.74
33	P	601	CHL	CMB-C2B-C3B	2.45	129.26	124.68
25	B	813	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
25	L	201	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
25	B	830	CLA	CMB-C2B-C3B	2.45	129.26	124.68
28	3	318	BCR	C37-C22-C21	-2.45	119.49	122.92
27	8	319	LHG	C6-C5-C4	-2.45	106.00	111.79
25	2	308	CLA	CHB-C4A-NA	2.45	127.90	124.51
25	8	306	CLA	CHB-C4A-NA	2.45	127.90	124.51
35	S	318	XAT	C7-C8-C9	-2.45	121.73	125.53
25	8	310	CLA	C1-C2-C3	-2.45	121.81	126.04
25	S	305	CLA	CHB-C4A-NA	2.45	127.90	124.51
34	a	316	LUT	C40-C33-C34	-2.45	119.50	122.92
25	3	313	CLA	CHB-C4A-NA	2.45	127.90	124.51
27	8	319	LHG	O8-C23-C24	2.45	119.59	111.91
25	a	301	CLA	CMB-C2B-C3B	2.45	129.26	124.68
33	R	601	CHL	CMB-C2B-C3B	2.45	129.26	124.68
34	1	615	LUT	C15-C14-C13	-2.45	123.82	127.31
25	2	310	CLA	CHB-C4A-NA	2.45	127.89	124.51
33	5	308	CHL	O2D-CGD-O1D	-2.45	119.06	123.84
25	B	802	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
25	Q	613	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
25	A	829	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
32	6	602	LMG	C1-O6-C5	-2.44	108.89	113.69
35	P	623	XAT	C35-C15-C14	-2.44	118.47	123.47
28	A	849	BCR	C37-C22-C21	-2.44	119.50	122.92
25	6	604	CLA	O2D-CGD-O1D	-2.44	119.07	123.84
25	1	610	CLA	O2D-CGD-O1D	-2.44	119.07	123.84
25	B	827	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
28	F	801	BCR	C33-C5-C4	2.44	118.30	113.62
33	Q	608	CHL	C2A-C3A-C4A	2.44	105.81	101.87
33	6	607	CHL	O2A-CGA-CBA	2.44	119.56	111.91
25	A	853	CLA	O2A-CGA-O1A	-2.44	117.44	123.59
25	B	834	CLA	O2A-CGA-O1A	-2.44	117.44	123.59
33	T	605	CHL	C1B-CHB-C4A	-2.44	125.29	130.12
25	7	312	CLA	CHB-C4A-NA	2.44	127.88	124.51
25	3	304	CLA	CMB-C2B-C3B	2.44	129.24	124.68
25	4	303	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
34	Q	615	LUT	C18-C5-C4	2.44	118.87	114.36
28	B	844	BCR	C8-C7-C6	-2.44	120.36	127.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	R	609	CHL	C2A-C3A-C4A	2.44	105.81	101.87
25	Q	603	CLA	CHD-C1D-ND	-2.44	122.22	124.45
36	R	617	NEX	C40-C33-C34	-2.44	119.51	122.92
25	L	202	CLA	CMB-C2B-C3B	2.44	129.24	124.68
33	7	305	CHL	CMB-C2B-C3B	2.44	129.23	124.68
25	P	613	CLA	CHB-C4A-NA	2.43	127.88	124.51
34	1	617	LUT	C39-C29-C30	-2.43	119.51	122.92
28	L	203	BCR	C15-C14-C13	-2.43	123.84	127.31
28	4	317	BCR	C11-C12-C13	-2.43	119.58	126.42
25	B	837	CLA	O2A-CGA-O1A	-2.43	117.45	123.59
33	P	609	CHL	C2A-C3A-C4A	2.43	105.80	101.87
25	2	304	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
25	B	804	CLA	CMB-C2B-C3B	2.43	129.23	124.68
33	9	306	CHL	CMB-C2B-C3B	2.43	129.23	124.68
25	B	814	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
25	7	301	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
32	2	301	LMG	C7-O1-C1	-2.43	108.99	113.74
33	S	309	CHL	OBD-CAD-C3D	-2.43	122.67	128.52
25	1	610	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
25	2	307	CLA	CMB-C2B-C3B	2.43	129.23	124.68
33	9	307	CHL	CED-O2D-CGD	2.43	121.44	115.94
34	4	315	LUT	C15-C35-C34	-2.43	118.50	123.47
25	3	303	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
25	4	311	CLA	O2A-CGA-O1A	-2.43	117.46	123.59
25	8	308	CLA	O2A-CGA-O1A	-2.43	117.46	123.59
28	O	204	BCR	C11-C10-C9	-2.43	123.84	127.31
33	4	305	CHL	O1D-CGD-CBD	-2.43	119.51	124.48
25	G	202	CLA	CHB-C4A-NA	2.43	127.87	124.51
25	U	312	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
33	4	306	CHL	CBC-CAC-C3C	-2.43	105.73	112.43
25	P	602	CLA	CHB-C4A-NA	2.43	127.87	124.51
25	4	313	CLA	CHB-C4A-NA	2.43	127.87	124.51
25	B	833	CLA	CHB-C4A-NA	2.43	127.87	124.51
25	a	309	CLA	CHB-C4A-NA	2.43	127.87	124.51
25	B	807	CLA	C1-C2-C3	-2.43	121.84	126.04
25	A	831	CLA	O2A-CGA-O1A	-2.43	117.47	123.59
33	P	607	CHL	O2A-CGA-CBA	2.43	119.53	111.91
25	B	830	CLA	O2A-CGA-O1A	-2.43	117.47	123.59
25	R	603	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
25	S	305	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
34	9	312	LUT	C10-C11-C12	-2.43	115.64	123.22
25	S	304	CLA	CHB-C4A-NA	2.43	127.87	124.51

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	7	302	CLA	CAA-C2A-C1A	-2.43	104.03	111.97
25	6	605	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
25	B	817	CLA	CHB-C4A-NA	2.43	127.87	124.51
33	5	308	CHL	CHB-C4A-NA	2.43	127.87	124.51
33	6	608	CHL	C1D-ND-C4D	2.43	108.06	106.33
25	5	302	CLA	O2A-CGA-O1A	-2.43	117.47	123.59
27	5	301	LHG	O8-C23-C24	2.43	119.52	111.91
25	4	307	CLA	CMB-C2B-C3B	2.42	129.22	124.68
25	O	203	CLA	O2D-CGD-O1D	-2.42	118.58	124.09
34	6	619	LUT	C3-C4-C5	-2.42	107.02	111.85
25	P	602	CLA	C1B-CHB-C4A	-2.42	125.31	130.12
25	B	828	CLA	CHB-C4A-NA	2.42	127.86	124.51
28	8	301	BCR	C39-C30-C25	-2.42	106.37	110.30
25	Q	602	CLA	CHD-C1D-ND	-2.42	122.23	124.45
28	3	317	BCR	C29-C30-C25	2.42	114.21	110.48
25	B	804	CLA	O2A-CGA-O1A	-2.42	117.48	123.59
34	U	314	LUT	C31-C30-C29	-2.42	123.86	127.31
25	a	304	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
25	A	802	CLA	O1D-CGD-CBD	2.42	129.44	124.48
25	A	804	CLA	CAA-C2A-C3A	-2.42	106.15	112.78
33	P	619	CHL	O2A-CGA-CBA	2.42	119.50	111.91
25	1	610	CLA	C2D-C1D-ND	-2.42	108.32	110.10
33	R	607	CHL	O2A-CGA-CBA	2.42	119.50	111.91
34	a	315	LUT	C31-C30-C29	-2.42	123.86	127.31
25	S	312	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
25	3	302	CLA	CAA-CBA-CGA	-2.42	106.19	113.25
33	S	309	CHL	C1B-CHB-C4A	-2.42	125.33	130.12
25	S	312	CLA	CHB-C4A-NA	2.42	127.86	124.51
25	a	307	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
25	2	303	CLA	C2D-C1D-ND	-2.42	108.32	110.10
25	4	307	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
25	5	313	CLA	C3C-C4C-NC	-2.42	107.86	110.57
28	A	854	BCR	C10-C11-C12	-2.41	115.68	123.22
25	4	313	CLA	CMA-C3A-C2A	-2.41	110.46	116.10
34	9	312	LUT	C35-C15-C14	-2.41	118.53	123.47
25	7	313	CLA	CHB-C4A-NA	2.41	127.85	124.51
25	6	603	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
33	9	307	CHL	C5-C3-C4	2.41	119.93	114.60
25	S	311	CLA	CHB-C4A-NA	2.41	127.85	124.51
33	T	605	CHL	O2D-CGD-O1D	-2.41	119.12	123.84
34	2	316	LUT	C39-C29-C28	2.41	121.88	118.08
28	6	621	BCR	C21-C20-C19	-2.41	115.69	123.22

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	Q	616	XAT	C15-C35-C34	-2.41	118.53	123.47
28	A	854	BCR	C20-C21-C22	-2.41	123.87	127.31
25	5	302	CLA	CHB-C4A-NA	2.41	127.85	124.51
25	A	806	CLA	CAA-C2A-C3A	-2.41	106.17	112.78
34	1	617	LUT	C20-C13-C14	-2.41	119.54	122.92
25	6	601	CLA	O2A-CGA-O1A	-2.41	117.50	123.59
25	1	602	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
25	Q	609	CLA	CHB-C4A-NA	2.41	127.85	124.51
25	4	312	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
25	A	814	CLA	C16-C15-C13	-2.41	108.13	115.92
25	A	804	CLA	C1-C2-C3	-2.41	121.87	126.04
28	J	101	BCR	C10-C11-C12	-2.41	115.69	123.22
25	2	310	CLA	CAA-C2A-C3A	-2.41	110.47	116.10
25	R	604	CLA	C1-C2-C3	-2.41	122.85	126.75
34	S	317	LUT	C16-C1-C6	-2.41	106.39	110.30
25	A	834	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
28	A	854	BCR	C15-C16-C17	-2.41	118.54	123.47
34	Q	614	LUT	C22-C23-C24	2.41	114.48	111.74
25	A	815	CLA	O2A-CGA-O1A	-2.41	117.51	123.59
33	5	308	CHL	C5-C3-C4	2.41	119.92	114.60
25	A	812	CLA	CHB-C4A-NA	2.41	127.84	124.51
28	3	318	BCR	C16-C15-C14	-2.41	118.54	123.47
33	T	601	CHL	O2D-CGD-O1D	-2.41	119.13	123.84
25	B	815	CLA	O2A-CGA-O1A	-2.41	117.51	123.59
33	S	308	CHL	O2A-CGA-CBA	2.41	119.47	111.91
25	B	814	CLA	C1-C2-C3	-2.41	121.88	126.04
33	T	601	CHL	CHD-C1D-C2D	2.41	130.53	125.48
25	Q	611	CLA	C4D-CHA-C1A	2.41	124.18	121.25
28	J	106	BCR	C8-C7-C6	-2.41	120.44	127.20
25	9	309	CLA	O2A-CGA-O1A	-2.41	117.52	123.59
25	A	826	CLA	C2D-C1D-ND	-2.41	108.33	110.10
25	8	303	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
25	B	830	CLA	O2D-CGD-CBD	2.41	115.54	111.27
25	A	842	CLA	C1B-CHB-C4A	-2.40	125.35	130.12
34	3	316	LUT	C35-C15-C14	-2.40	118.55	123.47
33	S	309	CHL	O2A-CGA-CBA	2.40	119.45	111.91
25	1	603	CLA	C2D-C1D-ND	-2.40	108.33	110.10
27	7	317	LHG	O8-C23-C24	2.40	119.45	111.91
33	R	606	CHL	C1B-CHB-C4A	-2.40	125.36	130.12
33	R	601	CHL	CHD-C1D-C2D	2.40	130.52	125.48
25	3	308	CLA	CHB-C4A-NA	2.40	127.83	124.51
34	P	615	LUT	C38-C25-C24	-2.40	118.42	123.56

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	K	206	BCR	C2-C1-C6	2.40	114.18	110.48
25	B	827	CLA	CHB-C4A-NA	2.40	127.83	124.51
34	5	322	LUT	C30-C31-C32	-2.40	115.73	123.22
25	4	313	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
28	A	845	BCR	C31-C1-C6	-2.40	106.41	110.30
25	2	305	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
25	3	310	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
25	Q	611	CLA	O1D-CGD-CBD	2.40	129.39	124.48
28	L	208	BCR	C4-C5-C6	-2.40	119.25	122.73
33	P	608	CHL	C4A-NA-C1A	-2.40	105.63	106.71
25	9	308	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
36	U	316	NEX	C38-C25-C24	2.40	116.98	114.28
25	B	825	CLA	CHB-C4A-NA	2.40	127.83	124.51
33	P	601	CHL	CHD-C1D-C2D	2.40	130.51	125.48
25	S	312	CLA	O2D-CGD-O1D	-2.40	119.15	123.84
25	3	304	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
33	U	307	CHL	C4-C3-C5	2.40	119.30	115.27
33	P	601	CHL	OMC-CMC-C2C	-2.40	120.27	125.69
28	A	854	BCR	C21-C20-C19	-2.40	115.74	123.22
25	9	303	CLA	CHB-C4A-NA	2.40	127.82	124.51
33	Q	601	CHL	CHD-C1D-C2D	2.39	130.50	125.48
25	9	308	CLA	O2A-CGA-O1A	-2.39	117.55	123.59
34	S	317	LUT	C10-C11-C12	-2.39	115.74	123.22
27	4	318	LHG	O8-C23-C24	2.39	119.42	111.91
34	8	316	LUT	C8-C7-C6	-2.39	120.48	127.20
33	U	309	CHL	C3B-C4B-NB	2.39	112.30	109.21
25	A	832	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
28	L	203	BCR	C2-C1-C6	2.39	114.17	110.48
25	1	602	CLA	CMB-C2B-C3B	2.39	129.16	124.68
25	B	823	CLA	O2A-CGA-O1A	-2.39	117.56	123.59
33	T	605	CHL	CHB-C4A-NA	2.39	127.82	124.51
25	9	311	CLA	CHB-C4A-NA	2.39	127.82	124.51
25	a	311	CLA	O1D-CGD-CBD	2.39	129.38	124.48
34	2	315	LUT	C28-C29-C30	-2.39	115.27	118.94
25	T	611	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
25	B	824	CLA	CHB-C4A-NA	2.39	127.82	124.51
33	5	308	CHL	CHC-C1C-NC	2.39	127.83	124.20
25	B	838	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
33	6	608	CHL	O2D-CGD-O1D	-2.39	119.17	123.84
25	B	812	CLA	CAC-C3C-C4C	2.39	127.91	124.81
34	a	315	LUT	C35-C15-C14	-2.39	118.58	123.47
25	2	308	CLA	CAA-C2A-C1A	-2.39	104.15	111.97

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	R	601	CHL	C4A-NA-C1A	2.39	107.78	106.71
33	6	617	CHL	O2D-CGD-O1D	-2.39	119.17	123.84
34	U	315	LUT	C38-C25-C24	-2.39	118.45	123.56
33	4	305	CHL	CHD-C1D-C2D	2.39	130.48	125.48
33	S	302	CHL	C6-C5-C3	-2.39	110.72	114.62
25	8	309	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
25	8	310	CLA	CHB-C4A-NA	2.38	127.81	124.51
33	R	601	CHL	OMC-CMC-C2C	-2.38	120.30	125.69
28	7	316	BCR	C1-C6-C7	2.38	122.52	115.78
34	1	617	LUT	C2-C3-C4	2.38	113.57	110.30
25	a	307	CLA	O2A-CGA-O1A	-2.38	117.58	123.59
33	Q	605	CHL	O2D-CGD-O1D	-2.38	119.18	123.84
25	P	604	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
25	a	306	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
28	3	317	BCR	C1-C6-C7	2.38	122.52	115.78
25	7	308	CLA	CMB-C2B-C3B	2.38	129.14	124.68
25	a	308	CLA	C2D-C1D-ND	-2.38	108.35	110.10
34	6	619	LUT	C22-C23-C24	2.38	114.45	111.74
33	Q	601	CHL	C4A-NA-C1A	2.38	107.78	106.71
25	U	310	CLA	CHB-C4A-NA	2.38	127.81	124.51
33	R	606	CHL	O2A-CGA-O1A	-2.38	117.58	123.59
28	B	843	BCR	C8-C7-C6	-2.38	120.51	127.20
25	B	813	CLA	O2A-CGA-O1A	-2.38	117.58	123.59
25	6	604	CLA	CMB-C2B-C3B	2.38	129.13	124.68
25	A	808	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
25	B	814	CLA	O2A-CGA-O1A	-2.38	117.58	123.59
34	3	316	LUT	C2-C3-C4	-2.38	107.05	110.30
25	6	601	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
25	Q	604	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
33	Q	601	CHL	OMC-CMC-C2C	-2.38	120.31	125.69
34	3	316	LUT	C38-C25-C24	-2.38	118.47	123.56
33	U	305	CHL	C2A-C3A-C4A	-2.38	98.03	101.87
25	5	311	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
25	A	840	CLA	O2D-CGD-CBD	2.38	115.49	111.27
33	U	309	CHL	CMB-C2B-C3B	2.38	129.13	124.68
33	5	307	CHL	OMC-CMC-C2C	-2.38	120.31	125.69
33	1	601	CHL	O1D-CGD-CBD	-2.38	119.62	124.48
33	T	601	CHL	CHC-C1C-NC	2.38	127.81	124.20
33	S	308	CHL	CHB-C4A-NA	2.38	127.80	124.51
25	T	609	CLA	CHA-C1A-NA	-2.38	120.96	126.40
25	B	836	CLA	O2A-CGA-O1A	-2.37	117.60	123.59
28	B	851	BCR	C11-C10-C9	-2.37	123.92	127.31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	S	309	CHL	CED-O2D-CGD	2.37	121.31	115.94
25	5	314	CLA	O2D-CGD-CBD	2.37	115.49	111.27
25	A	842	CLA	CMC-C2C-C3C	2.37	132.56	126.12
25	A	853	CLA	CHB-C4A-NA	2.37	127.79	124.51
25	6	620	CLA	CHB-C4A-NA	2.37	127.79	124.51
25	U	304	CLA	C1-C2-C3	-2.37	122.91	126.75
34	1	615	LUT	C7-C8-C9	-2.37	122.65	126.23
34	5	318	LUT	C7-C8-C9	-2.37	122.65	126.23
25	T	602	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
25	A	822	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
34	2	315	LUT	C40-C33-C34	-2.37	119.60	122.92
25	K	202	CLA	O2A-CGA-O1A	-2.37	117.39	123.30
25	A	810	CLA	CMB-C2B-C3B	2.37	129.12	124.68
25	7	313	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
25	4	309	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
30	B	848	DGD	O6D-C5D-C4D	-2.37	105.39	109.69
25	6	611	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
25	A	807	CLA	O2A-CGA-O1A	-2.37	117.61	123.59
25	1	603	CLA	CHB-C4A-NA	2.37	127.79	124.51
28	F	801	BCR	C11-C10-C9	-2.37	123.93	127.31
25	8	312	CLA	CMB-C2B-C3B	2.37	129.11	124.68
33	S	306	CHL	O2A-CGA-CBA	2.37	119.34	111.91
28	4	321	BCR	C15-C16-C17	-2.37	118.62	123.47
34	3	315	LUT	C10-C11-C12	-2.37	115.82	123.22
25	6	604	CLA	CHB-C4A-NA	2.37	127.79	124.51
28	B	842	BCR	C23-C22-C21	2.37	122.57	118.94
25	A	837	CLA	O2D-CGD-CBD	2.37	115.47	111.27
34	8	316	LUT	C3-C4-C5	-2.37	107.14	111.85
28	B	851	BCR	C23-C24-C25	-2.37	120.55	127.20
34	7	315	LUT	C21-C26-C27	-2.37	109.71	112.70
34	7	315	LUT	C16-C1-C6	-2.37	106.46	110.30
25	a	307	CLA	O2D-CGD-O1D	-2.37	119.21	123.84
25	B	830	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
25	2	308	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
25	a	310	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
34	8	317	LUT	C30-C31-C32	-2.37	115.84	123.22
25	R	612	CLA	C3A-C2A-C1A	2.36	104.88	101.34
25	1	605	CLA	CHB-C4A-NA	2.36	127.78	124.51
25	6	616	CLA	CHB-C4A-NA	2.36	127.78	124.51
33	3	306	CHL	C1B-CHB-C4A	-2.36	125.43	130.12
34	R	616	LUT	C8-C9-C10	-2.36	115.31	118.94
33	5	307	CHL	C5-C3-C4	2.36	119.83	114.60

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	J	101	BCR	C15-C14-C13	-2.36	123.94	127.31
25	P	612	CLA	C3A-C2A-C1A	2.36	104.88	101.34
25	B	823	CLA	CHB-C4A-NA	2.36	127.78	124.51
25	A	821	CLA	C2D-C1D-ND	-2.36	108.36	110.10
34	4	316	LUT	C20-C13-C12	2.36	121.80	118.08
25	3	308	CLA	O2D-CGD-O1D	-2.36	119.22	123.84
33	S	309	CHL	CHB-C4A-NA	2.36	127.78	124.51
25	8	302	CLA	CAC-C3C-C4C	2.36	127.88	124.81
33	S	321	CHL	C1B-CHB-C4A	-2.36	125.44	130.12
25	S	303	CLA	C1-C2-C3	-2.36	121.96	126.04
33	P	601	CHL	C4A-NA-C1A	2.36	107.77	106.71
27	a	317	LHG	O8-C23-C24	2.36	119.32	111.91
28	A	845	BCR	C34-C9-C10	-2.36	119.61	122.92
34	7	315	LUT	C10-C11-C12	-2.36	115.85	123.22
25	8	314	CLA	O2A-CGA-O1A	-2.36	117.63	123.59
33	S	321	CHL	CHB-C4A-NA	2.36	127.78	124.51
28	B	840	BCR	C36-C18-C17	-2.36	119.62	122.92
35	P	620	XAT	C31-C32-C33	-2.36	119.78	126.42
25	9	309	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
25	7	311	CLA	C1-C2-C3	-2.36	121.96	126.04
28	F	801	BCR	C36-C18-C17	-2.36	119.62	122.92
25	Q	602	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
25	B	822	CLA	CHB-C4A-NA	2.36	127.78	124.51
25	Q	613	CLA	CHB-C4A-NA	2.36	127.78	124.51
33	7	305	CHL	OMC-CMC-C2C	-2.36	120.35	125.69
25	A	830	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
25	5	309	CLA	C1-C2-C3	-2.36	122.94	126.75
33	P	619	CHL	C4A-NA-C1A	-2.36	105.65	106.71
34	a	314	LUT	C18-C5-C4	2.36	118.72	114.36
25	A	839	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
34	P	615	LUT	C18-C5-C4	2.36	118.72	114.36
33	U	309	CHL	CHD-C1D-C2D	2.36	130.42	125.48
34	1	617	LUT	C40-C33-C34	-2.36	119.62	122.92
36	U	301	NEX	C19-C9-C10	-2.36	119.62	122.92
25	L	206	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
25	1	608	CLA	O2D-CGD-O1D	-2.36	119.23	123.84
25	A	840	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
28	O	204	BCR	C10-C11-C12	-2.36	115.87	123.22
36	P	617	NEX	C40-C33-C34	-2.36	119.62	122.92
25	1	611	CLA	CHB-C4A-NA	2.35	127.77	124.51
33	R	607	CHL	CHB-C4A-NA	2.35	127.77	124.51
25	R	612	CLA	CMB-C2B-C1B	-2.35	124.84	128.46

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	313	CLA	CMB-C2B-C3B	2.35	129.08	124.68
25	B	831	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
25	A	813	CLA	O2D-CGD-CBD	2.35	115.45	111.27
25	R	614	CLA	O2A-CGA-O1A	-2.35	117.65	123.59
28	A	848	BCR	C21-C20-C19	-2.35	115.87	123.22
33	T	607	CHL	O2D-CGD-O1D	-2.35	119.24	123.84
25	A	829	CLA	CHB-C4A-NA	2.35	127.77	124.51
25	1	613	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
25	B	835	CLA	CHB-C4A-NA	2.35	127.76	124.51
25	8	302	CLA	CHB-C4A-NA	2.35	127.76	124.51
25	A	853	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
34	6	619	LUT	C20-C13-C14	-2.35	119.63	122.92
25	1	605	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
25	3	309	CLA	CHB-C4A-NA	2.35	127.76	124.51
25	7	307	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
33	4	322	CHL	C1B-CHB-C4A	-2.35	125.46	130.12
25	B	826	CLA	O2D-CGD-CBD	2.35	115.44	111.27
28	B	844	BCR	C16-C17-C18	-2.35	123.96	127.31
35	P	623	XAT	C4-C3-C2	-2.35	106.24	110.77
25	A	824	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
25	A	821	CLA	O2D-CGD-CBD	2.35	115.44	111.27
25	3	311	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
25	8	313	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
25	B	808	CLA	C1-C2-C3	-2.35	121.98	126.04
28	A	845	BCR	C36-C18-C17	-2.35	119.63	122.92
25	5	305	CLA	CHB-C4A-NA	2.35	127.76	124.51
25	B	832	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
25	5	311	CLA	O2D-CGD-O1D	-2.35	119.25	123.84
25	R	613	CLA	O2A-CGA-O1A	-2.35	117.67	123.59
34	T	613	LUT	C22-C23-C24	2.35	114.41	111.74
25	7	309	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
25	A	807	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
25	S	304	CLA	CHD-C1D-ND	-2.34	122.30	124.45
33	Q	607	CHL	C4A-NA-C1A	-2.34	105.65	106.71
28	L	208	BCR	C16-C17-C18	-2.34	123.97	127.31
25	T	610	CLA	O2A-CGA-O1A	-2.34	117.68	123.59
25	P	612	CLA	CMB-C2B-C1B	-2.34	124.86	128.46
25	4	311	CLA	O2D-CGD-CBD	2.34	115.43	111.27
34	6	619	LUT	C8-C7-C6	-2.34	120.62	127.20
25	4	302	CLA	CMB-C2B-C3B	2.34	129.06	124.68
34	6	622	LUT	C18-C5-C4	2.34	118.70	114.36
34	1	615	LUT	C39-C29-C28	2.34	121.77	118.08

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	R	613	CLA	C16-C15-C13	-2.34	108.35	115.92
25	1	604	CLA	O2D-CGD-O1D	-2.34	119.26	123.84
25	4	310	CLA	CHA-C1A-NA	-2.34	121.03	126.40
25	2	304	CLA	CMB-C2B-C3B	2.34	129.06	124.68
34	7	315	LUT	C35-C15-C14	-2.34	118.68	123.47
25	R	613	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
25	5	302	CLA	C2D-C1D-ND	-2.34	108.38	110.10
25	B	811	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
25	A	810	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
25	8	306	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
25	J	105	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
25	S	301	CLA	C2D-C1D-ND	-2.34	108.38	110.10
28	A	848	BCR	C34-C9-C10	-2.34	119.65	122.92
35	P	623	XAT	C31-C32-C33	-2.34	119.84	126.42
25	4	308	CLA	CHB-C4A-NA	2.34	127.75	124.51
25	a	304	CLA	CMB-C2B-C3B	2.34	129.05	124.68
25	A	825	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
25	B	849	CLA	CHB-C4A-NA	2.34	127.74	124.51
33	P	605	CHL	C2A-C3A-C4A	-2.34	98.09	101.87
25	3	308	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
25	a	313	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
25	3	307	CLA	O2D-CGD-O1D	-2.34	119.27	123.84
33	6	608	CHL	CHA-C1A-NA	2.34	131.75	126.40
25	B	816	CLA	CAA-CBA-CGA	-2.34	106.43	113.25
34	1	616	LUT	C38-C25-C24	-2.34	118.56	123.56
33	P	619	CHL	CHB-C4A-NA	2.34	127.74	124.51
34	4	316	LUT	C8-C7-C6	-2.34	120.64	127.20
34	8	316	LUT	C10-C11-C12	-2.33	115.93	123.22
25	6	604	CLA	C1B-CHB-C4A	-2.33	125.49	130.12
25	A	824	CLA	CHB-C4A-NA	2.33	127.74	124.51
34	6	619	LUT	C7-C8-C9	-2.33	122.71	126.23
33	P	622	CHL	O2D-CGD-O1D	-2.33	119.28	123.84
33	R	608	CHL	C4A-NA-C1A	-2.33	105.66	106.71
33	P	607	CHL	CHB-C4A-NA	2.33	127.74	124.51
25	6	613	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
25	8	302	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
25	1	612	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
28	4	321	BCR	C21-C20-C19	-2.33	115.94	123.22
34	1	616	LUT	C19-C9-C10	-2.33	119.66	122.92
25	T	602	CLA	CHB-C4A-NA	2.33	127.73	124.51
25	T	603	CLA	C1-C2-C3	-2.33	122.98	126.75
34	7	315	LUT	C20-C13-C12	2.33	121.75	118.08

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	S	301	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
25	T	610	CLA	CHB-C4A-NA	2.33	127.73	124.51
28	K	206	BCR	C29-C30-C25	2.33	114.07	110.48
34	7	314	LUT	C1-C2-C3	2.33	118.90	113.64
28	J	101	BCR	C11-C10-C9	-2.33	123.99	127.31
25	5	312	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
25	G	202	CLA	CAA-C2A-C3A	-2.33	106.41	112.78
33	S	310	CHL	CHC-C1C-NC	2.33	127.73	124.20
25	U	311	CLA	CHA-C1A-NA	-2.33	121.07	126.40
25	A	830	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
28	A	846	BCR	C10-C11-C12	-2.32	115.96	123.22
34	4	316	LUT	C15-C14-C13	-2.32	123.99	127.31
25	A	814	CLA	O2D-CGD-O1D	-2.32	119.29	123.84
28	A	845	BCR	C38-C26-C27	2.32	118.08	113.62
34	1	616	LUT	C21-C26-C27	-2.32	109.77	112.70
33	U	305	CHL	C4A-NA-C1A	-2.32	105.66	106.71
25	H	202	CLA	CHB-C4A-NA	2.32	127.72	124.51
26	B	839	PQN	C2M-C2-C3	-2.32	120.61	124.40
25	S	311	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
34	1	616	LUT	C30-C31-C32	-2.32	115.97	123.22
34	1	616	LUT	C31-C30-C29	-2.32	124.00	127.31
33	Q	606	CHL	O2D-CGD-O1D	-2.32	119.30	123.84
35	S	318	XAT	C18-C5-C4	2.32	116.89	114.28
35	P	616	XAT	C10-C11-C12	-2.32	115.98	123.22
28	5	323	BCR	C36-C18-C19	-2.32	114.42	118.08
25	B	819	CLA	O2D-CGD-CBD	2.32	115.39	111.27
25	2	309	CLA	C7-C6-C5	-2.32	107.06	113.36
25	B	832	CLA	CMB-C2B-C3B	2.32	129.02	124.68
34	U	315	LUT	C39-C29-C30	-2.32	119.67	122.92
33	T	606	CHL	O2D-CGD-O1D	-2.32	119.30	123.84
25	R	604	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
34	2	316	LUT	C3-C4-C5	-2.32	107.24	111.85
28	B	841	BCR	C21-C20-C19	-2.32	115.98	123.22
34	5	322	LUT	C11-C10-C9	-2.32	124.00	127.31
34	1	616	LUT	C35-C15-C14	-2.32	118.73	123.47
25	2	306	CLA	CHB-C4A-NA	2.32	127.72	124.51
25	U	304	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
25	1	603	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
25	8	312	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
33	S	307	CHL	C3C-C4C-NC	2.32	113.17	110.57
25	1	614	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
25	B	827	CLA	O1D-CGD-CBD	2.32	129.22	124.48

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	840	BCR	C34-C9-C10	-2.32	119.68	122.92
25	A	825	CLA	O1D-CGD-CBD	2.32	129.22	124.48
25	6	610	CLA	CMB-C2B-C3B	2.32	129.01	124.68
28	O	205	BCR	C37-C22-C21	-2.32	119.68	122.92
25	2	310	CLA	O2D-CGD-O1D	-2.31	119.31	123.84
28	O	204	BCR	C20-C19-C18	-2.31	119.91	126.42
33	1	606	CHL	CHC-C1C-NC	2.31	127.72	124.20
25	5	310	CLA	O1D-CGD-CBD	2.31	129.22	124.48
28	K	206	BCR	C15-C16-C17	2.31	128.22	123.47
25	T	603	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
33	R	609	CHL	OMC-CMC-C2C	-2.31	120.45	125.69
33	S	309	CHL	O2D-CGD-O1D	-2.31	119.31	123.84
34	5	322	LUT	C10-C11-C12	-2.31	116.00	123.22
25	A	842	CLA	CBC-CAC-C3C	2.31	118.81	112.43
25	A	829	CLA	CMB-C2B-C3B	2.31	129.00	124.68
33	S	321	CHL	O1D-CGD-CBD	-2.31	119.75	124.48
33	4	305	CHL	C5-C3-C4	2.31	119.71	114.60
25	R	612	CLA	O2A-CGA-O1A	-2.31	117.76	123.59
25	2	311	CLA	C2A-C1A-CHA	2.31	127.90	123.86
25	A	809	CLA	O2A-CGA-O1A	-2.31	117.76	123.59
25	A	802	CLA	CAA-C2A-C1A	-2.31	104.41	111.97
33	R	606	CHL	OMC-CMC-C2C	-2.31	120.47	125.69
25	A	836	CLA	O2A-CGA-O1A	-2.31	117.76	123.59
25	U	310	CLA	CHD-C1D-ND	-2.31	122.33	124.45
25	B	806	CLA	CHB-C4A-NA	2.31	127.70	124.51
25	A	836	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
28	B	842	BCR	C15-C16-C17	-2.31	118.75	123.47
28	3	317	BCR	C37-C22-C21	-2.31	119.69	122.92
30	B	846	DGD	O6D-C5D-C6D	2.31	111.32	106.67
33	U	307	CHL	CHB-C4A-NA	2.31	127.70	124.51
25	3	302	CLA	C2D-C1D-ND	-2.31	108.40	110.10
28	A	846	BCR	C31-C1-C6	-2.31	106.56	110.30
33	Q	608	CHL	OMC-CMC-C2C	-2.31	120.47	125.69
28	A	847	BCR	C8-C7-C6	-2.31	120.73	127.20
34	3	316	LUT	C16-C1-C6	-2.31	106.56	110.30
25	A	810	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
36	U	316	NEX	C40-C33-C34	-2.31	119.69	122.92
25	Q	602	CLA	CHB-C4A-NA	2.30	127.70	124.51
25	A	842	CLA	CMB-C2B-C3B	2.30	128.99	124.68
34	R	616	LUT	C16-C1-C6	-2.30	106.56	110.30
25	P	604	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
33	P	601	CHL	CHC-C1C-NC	2.30	127.70	124.20

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	R	611	CLA	C2A-C1A-CHA	2.30	127.89	123.86
25	6	603	CLA	CMB-C2B-C3B	2.30	128.99	124.68
25	1	602	CLA	CHB-C4A-NA	2.30	127.70	124.51
25	6	613	CLA	CMB-C2B-C3B	2.30	128.99	124.68
33	1	606	CHL	CMB-C2B-C3B	2.30	128.99	124.68
33	S	321	CHL	O2A-CGA-CBA	2.30	119.14	111.91
25	A	803	CLA	CAA-CBA-CGA	-2.30	106.52	113.25
25	A	840	CLA	CAA-CBA-CGA	-2.30	106.52	113.25
33	U	307	CHL	C6-C5-C3	-2.30	110.85	114.62
25	P	612	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
28	F	803	BCR	C37-C22-C23	2.30	121.70	118.08
25	6	603	CLA	CHB-C4A-NA	2.30	127.70	124.51
25	6	605	CLA	CHB-C4A-NA	2.30	127.70	124.51
33	6	606	CHL	C4-C3-C5	2.30	119.14	115.27
25	a	311	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
25	B	821	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
25	F	802	CLA	O2A-CGA-O1A	-2.30	117.56	123.30
25	a	306	CLA	CHD-C1D-ND	-2.30	122.34	124.45
27	5	301	LHG	C6-C5-C4	-2.30	106.34	111.79
25	R	610	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
25	R	610	CLA	CHB-C4A-NA	2.30	127.69	124.51
25	7	310	CLA	CMB-C2B-C3B	2.30	128.98	124.68
25	1	609	CLA	CAA-C2A-C3A	-2.30	106.48	112.78
25	R	604	CLA	CMC-C2C-C1C	-2.30	121.53	125.04
25	9	308	CLA	CAA-CBA-CGA	-2.30	106.53	113.25
25	B	834	CLA	CMB-C2B-C3B	2.30	128.98	124.68
28	I	201	BCR	C15-C14-C13	-2.30	124.03	127.31
25	B	819	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
25	2	307	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
34	1	617	LUT	C11-C10-C9	-2.30	124.03	127.31
34	Q	615	LUT	C40-C33-C34	-2.30	119.70	122.92
28	B	842	BCR	C4-C5-C6	-2.30	119.39	122.73
28	L	208	BCR	C27-C26-C25	-2.30	119.39	122.73
28	O	205	BCR	C4-C5-C6	-2.30	119.39	122.73
25	B	826	CLA	CMB-C2B-C3B	2.30	128.98	124.68
25	a	311	CLA	O2A-CGA-O1A	-2.30	117.80	123.59
25	A	802	CLA	CHB-C4A-NA	2.30	127.69	124.51
25	3	304	CLA	CHB-C4A-NA	2.30	127.69	124.51
36	P	621	NEX	C19-C9-C10	-2.30	119.71	122.92
25	O	202	CLA	CHB-C4A-NA	2.29	127.69	124.51
25	B	825	CLA	O2D-CGD-CBD	2.29	115.34	111.27
25	A	828	CLA	CHB-C4A-NA	2.29	127.68	124.51

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	9	306	CHL	OBD-CAD-C3D	-2.29	123.00	128.52
25	B	809	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
33	P	607	CHL	C4A-NA-C1A	-2.29	105.67	106.71
25	5	309	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
28	4	321	BCR	C8-C9-C10	2.29	122.46	118.94
34	U	314	LUT	C22-C23-C24	2.29	114.35	111.74
33	P	609	CHL	OMC-CMC-C2C	-2.29	120.50	125.69
25	B	805	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
28	5	323	BCR	C33-C5-C4	2.29	118.02	113.62
25	1	608	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
25	A	833	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
34	3	315	LUT	C7-C8-C9	-2.29	122.78	126.23
25	S	304	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
27	7	317	LHG	O7-C7-O9	-2.29	118.17	123.70
25	L	202	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
25	A	832	CLA	C1-C2-C3	-2.29	122.08	126.04
25	T	608	CLA	CHD-C1D-ND	-2.29	122.35	124.45
25	A	825	CLA	CHB-C4A-NA	2.29	127.68	124.51
28	7	316	BCR	C23-C24-C25	-2.29	120.78	127.20
33	3	306	CHL	O2D-CGD-O1D	-2.29	119.37	123.84
25	B	806	CLA	CMB-C2B-C3B	2.29	128.96	124.68
25	9	311	CLA	O2D-CGD-CBD	2.29	115.33	111.27
33	R	607	CHL	C4A-NA-C1A	-2.29	105.68	106.71
25	B	808	CLA	CBA-CAA-C2A	-2.29	107.11	113.86
25	U	302	CLA	CHD-C1D-ND	-2.29	122.35	124.45
33	T	607	CHL	CED-O2D-CGD	2.29	121.11	115.94
25	2	305	CLA	CMB-C2B-C3B	2.29	128.96	124.68
25	5	306	CLA	CHB-C4A-NA	2.29	127.67	124.51
36	T	616	NEX	C40-C33-C34	-2.29	119.72	122.92
25	9	301	CLA	CAA-CBA-CGA	-2.29	106.57	113.25
33	S	306	CHL	O2D-CGD-O1D	-2.29	119.37	123.84
33	Q	601	CHL	CHC-C1C-NC	2.29	127.67	124.20
25	1	611	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
25	B	827	CLA	O2A-CGA-O1A	-2.29	117.83	123.59
25	O	202	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
33	a	305	CHL	CHC-C1C-NC	2.28	127.67	124.20
25	1	607	CLA	CHD-C1D-ND	-2.28	122.36	124.45
28	L	204	BCR	C36-C18-C17	-2.28	119.72	122.92
25	O	203	CLA	C1B-CHB-C4A	-2.28	125.59	130.12
25	2	306	CLA	CHD-C1D-ND	-2.28	122.36	124.45
34	P	615	LUT	C16-C1-C6	-2.28	106.60	110.30
28	A	845	BCR	C2-C1-C6	2.28	113.99	110.48

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	Q	618	CLA	O1D-CGD-CBD	2.28	129.15	124.48
25	8	308	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
25	1	602	CLA	O1D-CGD-CBD	2.28	129.15	124.48
34	a	315	LUT	C1-C2-C3	2.28	118.79	113.64
25	P	613	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
34	Q	614	LUT	C20-C13-C12	2.28	121.67	118.08
25	5	305	CLA	O2D-CGD-CBD	2.28	115.32	111.27
25	6	603	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
34	Q	615	LUT	C39-C29-C30	-2.28	119.73	122.92
28	B	843	BCR	C23-C24-C25	-2.28	120.80	127.20
33	7	305	CHL	CHB-C4A-NA	2.28	127.66	124.51
34	3	316	LUT	C20-C13-C12	2.28	121.67	118.08
33	9	307	CHL	C1-C2-C3	-2.28	123.06	126.75
33	U	305	CHL	CED-O2D-CGD	2.28	121.09	115.94
25	8	314	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
25	2	306	CLA	CMB-C2B-C3B	2.28	128.94	124.68
25	5	319	CLA	O2D-CGD-O1D	-2.28	119.39	123.84
25	A	833	CLA	C2D-C1D-ND	-2.28	108.43	110.10
25	6	623	CLA	C3A-C2A-C1A	2.28	104.75	101.34
32	6	602	LMG	C8-O7-C10	-2.28	112.19	117.79
33	8	307	CHL	O2A-CGA-CBA	2.28	119.05	111.91
36	P	617	NEX	C26-C27-C28	-2.28	121.18	125.99
25	B	831	CLA	CMB-C2B-C3B	2.28	128.94	124.68
28	A	846	BCR	C34-C9-C10	-2.28	119.74	122.92
33	6	606	CHL	C6-C5-C3	-2.27	110.90	114.62
36	P	621	NEX	C40-C33-C34	-2.27	119.74	122.92
36	R	617	NEX	C19-C9-C10	-2.27	119.74	122.92
25	6	613	CLA	CHD-C1D-ND	-2.27	122.37	124.45
34	2	315	LUT	C39-C29-C28	2.27	121.66	118.08
25	Q	618	CLA	CED-O2D-CGD	2.27	121.07	115.94
28	4	317	BCR	C37-C22-C23	2.27	121.65	118.08
25	S	315	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
28	B	844	BCR	C10-C11-C12	-2.27	116.14	123.22
25	K	201	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
28	A	849	BCR	C36-C18-C17	-2.27	119.75	122.92
25	T	602	CLA	CHD-C1D-ND	-2.27	122.37	124.45
33	P	605	CHL	O2D-CGD-O1D	-2.27	119.41	123.84
33	9	307	CHL	CMB-C2B-C3B	2.27	128.92	124.68
33	R	601	CHL	CHC-C1C-NC	2.27	127.64	124.20
25	H	201	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
28	B	841	BCR	C27-C26-C25	-2.27	119.44	122.73
34	R	615	LUT	C38-C25-C24	-2.27	118.71	123.56

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	3	312	CLA	CHB-C4A-NA	2.26	127.64	124.51
25	9	311	CLA	CHD-C1D-ND	-2.26	122.37	124.45
25	8	305	CLA	CHB-C4A-NA	2.26	127.64	124.51
25	3	312	CLA	O2D-CGD-CBD	2.26	115.29	111.27
25	1	607	CLA	CMB-C2B-C3B	2.26	128.91	124.68
34	4	315	LUT	C10-C11-C12	-2.26	116.16	123.22
33	P	622	CHL	CHD-C1D-C2D	2.26	130.22	125.48
36	T	616	NEX	C26-C27-C28	-2.26	121.21	125.99
33	S	306	CHL	CAA-C2A-C3A	-2.26	106.59	112.78
25	S	314	CLA	CGD-CBD-CAD	-2.26	103.41	110.73
33	R	606	CHL	O1D-CGD-CBD	-2.26	119.86	124.48
27	B	847	LHG	C5-O7-C7	-2.26	112.23	117.79
34	R	616	LUT	C3-C4-C5	-2.26	107.36	111.85
25	G	201	CLA	O2D-CGD-O1D	-2.26	119.42	123.84
33	T	601	CHL	OMC-CMC-C2C	-2.26	120.58	125.69
32	J	102	LMG	C7-O1-C1	-2.26	109.33	113.74
25	B	809	CLA	CHB-C4A-NA	2.26	127.63	124.51
25	A	820	CLA	O2D-CGD-CBD	2.26	115.28	111.27
27	A	843	LHG	O8-C23-C24	2.26	118.99	111.91
28	A	854	BCR	C36-C18-C17	-2.26	119.76	122.92
25	A	820	CLA	O2A-CGA-O1A	-2.26	117.90	123.59
32	7	319	LMG	C8-O7-C10	-2.26	112.24	117.79
25	5	310	CLA	CHB-C4A-NA	2.26	127.63	124.51
28	J	106	BCR	C10-C11-C12	-2.25	116.18	123.22
34	7	314	LUT	C21-C26-C27	-2.25	109.85	112.70
28	G	203	BCR	C20-C19-C18	-2.25	120.08	126.42
33	1	606	CHL	C3C-C4C-NC	2.25	113.10	110.57
25	2	314	CLA	O2D-CGD-CBD	2.25	115.27	111.27
33	T	606	CHL	C2A-C3A-C4A	-2.25	98.23	101.87
25	A	824	CLA	O2D-CGD-CBD	2.25	115.27	111.27
25	B	824	CLA	C1-C2-C3	-2.25	122.15	126.04
25	S	301	CLA	CHB-C4A-NA	2.25	127.63	124.51
25	3	301	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
25	K	205	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
25	6	616	CLA	O2D-CGD-CBD	2.25	115.27	111.27
34	T	614	LUT	C38-C25-C24	-2.25	118.74	123.56
25	A	818	CLA	O2D-CGD-CBD	2.25	115.27	111.27
25	P	603	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
25	2	302	CLA	O1D-CGD-CBD	2.25	129.09	124.48
34	S	316	LUT	C39-C29-C28	2.25	121.62	118.08
25	G	201	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
25	7	304	CLA	C1B-CHB-C4A	-2.25	125.66	130.12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	K	206	BCR	C10-C11-C12	-2.25	116.20	123.22
25	B	806	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
33	1	606	CHL	OMC-CMC-C2C	-2.25	120.60	125.69
34	P	614	LUT	C3-C4-C5	-2.25	107.38	111.85
34	4	316	LUT	C35-C34-C33	-2.25	124.10	127.31
25	S	305	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
25	4	309	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
33	5	307	CHL	CMB-C2B-C3B	2.25	128.88	124.68
34	P	614	LUT	C40-C33-C34	-2.25	119.78	122.92
25	A	835	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
25	B	812	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
25	Q	611	CLA	CHA-C1A-NA	-2.25	121.25	126.40
34	T	614	LUT	C40-C33-C32	2.25	121.62	118.08
25	9	305	CLA	CMB-C2B-C3B	2.25	128.88	124.68
25	A	816	CLA	C1-C2-C3	-2.24	122.16	126.04
25	6	609	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
28	8	301	BCR	C29-C30-C25	2.24	113.94	110.48
33	U	306	CHL	C1B-CHB-C4A	-2.24	125.67	130.12
25	4	313	CLA	CHD-C1D-ND	-2.24	122.39	124.45
28	B	842	BCR	C1-C6-C5	-2.24	119.45	122.61
25	6	609	CLA	O1D-CGD-CBD	2.24	129.07	124.48
25	A	835	CLA	CHA-C1A-NA	-2.24	121.26	126.40
25	9	309	CLA	CMB-C2B-C3B	2.24	128.87	124.68
33	T	606	CHL	C4A-NA-C1A	-2.24	105.70	106.71
27	A	852	LHG	C6-C5-C4	-2.24	106.49	111.79
25	B	803	CLA	O2A-CGA-O1A	-2.24	117.72	123.30
34	8	317	LUT	C3-C4-C5	-2.24	107.39	111.85
28	B	843	BCR	C16-C15-C14	-2.24	118.89	123.47
34	8	316	LUT	C18-C5-C4	2.24	118.50	114.36
25	7	306	CLA	CHD-C1D-ND	-2.24	122.40	124.45
25	A	853	CLA	O2D-CGD-O1D	-2.24	119.46	123.84
33	U	305	CHL	C1B-CHB-C4A	-2.24	125.68	130.12
34	5	322	LUT	C20-C13-C12	2.24	121.60	118.08
35	S	318	XAT	C30-C31-C32	-2.24	116.23	123.22
35	Q	616	XAT	C17-C1-C16	2.24	110.67	107.37
28	B	845	BCR	C35-C13-C12	2.24	121.60	118.08
25	A	806	CLA	CAA-CBA-CGA	-2.24	106.72	113.25
36	R	617	NEX	C2-C1-C6	2.24	111.38	109.21
25	8	314	CLA	CMA-C3A-C4A	-2.24	105.76	111.77
30	B	848	DGD	C4D-C3D-C2D	2.24	114.73	110.82
25	4	301	CLA	C1-C2-C3	-2.24	122.18	126.04
28	B	844	BCR	C39-C30-C25	-2.23	106.67	110.30

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	6	607	CHL	CMB-C2B-C3B	2.23	128.86	124.68
25	1	610	CLA	CHB-C4A-NA	2.23	127.60	124.51
28	I	201	BCR	C10-C11-C12	-2.23	116.24	123.22
33	S	306	CHL	C1C-C2C-C3C	-2.23	105.34	107.11
25	B	816	CLA	C2D-C1D-ND	-2.23	108.46	110.10
33	1	601	CHL	C1B-CHB-C4A	-2.23	125.69	130.12
36	U	301	NEX	C38-C25-C24	2.23	116.79	114.28
25	a	304	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
25	A	820	CLA	C2D-C1D-ND	-2.23	108.46	110.10
34	Q	615	LUT	C38-C25-C24	-2.23	118.79	123.56
36	P	621	NEX	C11-C12-C13	-2.23	120.15	126.42
33	P	622	CHL	C3C-C4C-NC	2.23	113.07	110.57
33	U	305	CHL	O2D-CGD-O1D	-2.23	119.48	123.84
34	S	317	LUT	C32-C33-C34	2.23	122.36	118.94
34	R	616	LUT	C39-C29-C30	-2.23	119.80	122.92
25	7	311	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
25	P	603	CLA	CHD-C1D-ND	-2.23	122.41	124.45
25	a	304	CLA	CHB-C4A-NA	2.23	127.59	124.51
25	A	808	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
34	R	615	LUT	C20-C13-C12	2.23	121.59	118.08
33	R	605	CHL	C1B-CHB-C4A	-2.23	125.71	130.12
25	B	820	CLA	C1B-CHB-C4A	-2.23	125.71	130.12
25	2	314	CLA	CHB-C4A-NA	2.23	127.59	124.51
25	Q	618	CLA	CHA-C1A-NA	-2.23	121.41	126.41
25	Q	618	CLA	C4D-CHA-C1A	2.23	123.96	121.25
25	1	607	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
28	5	320	BCR	C20-C19-C18	-2.22	120.17	126.42
34	7	315	LUT	C35-C34-C33	-2.22	124.14	127.31
25	S	301	CLA	C3B-C4B-NB	-2.22	106.33	109.21
25	B	816	CLA	O2D-CGD-CBD	2.22	115.22	111.27
33	U	307	CHL	C1-C2-C3	-2.22	122.20	126.04
35	Q	616	XAT	O4-C5-C6	-2.22	57.12	58.96
34	1	615	LUT	C31-C30-C29	-2.22	124.14	127.31
31	B	850	SQD	O8-S-C6	2.22	109.28	105.74
25	A	802	CLA	C16-C15-C13	-2.22	108.73	115.92
27	1	618	LHG	C25-C24-C23	-2.22	105.53	113.62
28	I	201	BCR	C1-C6-C5	-2.22	119.48	122.61
25	2	306	CLA	C3C-C4C-NC	-2.22	108.08	110.57
33	U	307	CHL	O2D-CGD-O1D	-2.22	119.49	123.84
25	A	823	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
25	1	604	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
25	1	611	CLA	C2D-C1D-ND	-2.22	108.47	110.10

*Continued on next page...*

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	314	CLA	O2A-CGA-O1A	-2.22	117.76	123.30
34	a	315	LUT	C38-C25-C24	-2.22	118.80	123.56
25	2	313	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
33	P	606	CHL	OMC-CMC-C2C	-2.22	120.66	125.69
33	6	617	CHL	OMC-CMC-C2C	-2.22	120.66	125.69
34	1	616	LUT	C1-C2-C3	2.22	118.66	113.64
25	P	613	CLA	CHD-C1D-ND	-2.22	122.41	124.45
25	B	829	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
25	R	604	CLA	O1D-CGD-CBD	2.22	129.03	124.48
28	B	851	BCR	C1-C6-C5	-2.22	119.49	122.61
25	2	303	CLA	CHB-C4A-NA	2.22	127.58	124.51
25	2	313	CLA	CHD-C1D-ND	-2.22	122.41	124.45
25	2	305	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
28	L	204	BCR	C33-C5-C4	2.22	117.88	113.62
25	A	810	CLA	CAA-CBA-CGA	-2.22	106.77	113.25
34	7	315	LUT	C7-C8-C9	-2.22	122.88	126.23
33	S	310	CHL	O2A-CGA-CBA	2.22	118.87	111.91
25	B	809	CLA	CAA-CBA-CGA	-2.22	106.77	113.25
25	9	311	CLA	O2A-CGA-O1A	-2.22	117.77	123.30
25	8	310	CLA	O2D-CGD-O1D	-2.22	119.50	123.84
28	B	845	BCR	C8-C7-C6	-2.22	120.97	127.20
25	1	607	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
33	a	305	CHL	OMC-CMC-C2C	-2.22	120.67	125.69
25	1	605	CLA	O2A-CGA-O1A	-2.22	118.00	123.59
34	P	614	LUT	C22-C23-C24	2.22	114.26	111.74
25	6	616	CLA	CHD-C1D-ND	-2.22	122.42	124.45
28	L	207	BCR	C38-C26-C27	2.22	117.87	113.62
28	L	204	BCR	C23-C24-C25	-2.22	120.98	127.20
25	K	202	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
25	4	312	CLA	O2A-CGA-O1A	-2.22	117.78	123.30
25	B	805	CLA	CHD-C1D-ND	-2.22	122.42	124.45
25	B	815	CLA	CHD-C1D-ND	-2.22	122.42	124.45
25	4	312	CLA	O1A-CGA-CBA	2.22	130.20	123.08
28	5	323	BCR	C28-C27-C26	-2.21	110.12	114.08
34	1	616	LUT	C15-C14-C13	-2.21	124.15	127.31
28	J	106	BCR	C34-C9-C8	2.21	121.57	118.08
34	5	318	LUT	C8-C7-C6	-2.21	120.98	127.20
28	K	206	BCR	C20-C19-C18	-2.21	120.20	126.42
33	4	322	CHL	O1D-CGD-CBD	-2.21	119.95	124.48
25	4	309	CLA	C2D-C1D-ND	-2.21	108.47	110.10
25	7	302	CLA	O2D-CGD-O1D	-2.21	119.51	123.84
25	U	304	CLA	CMC-C2C-C1C	-2.21	121.67	125.04

Continued on next page...

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	7	311	CLA	CMB-C2B-C3B	2.21	128.82	124.68
25	A	817	CLA	CHB-C4A-NA	2.21	127.57	124.51
25	A	813	CLA	CMB-C2B-C3B	2.21	128.81	124.68
25	P	613	CLA	O2D-CGD-O1D	-2.21	119.52	123.84
25	B	815	CLA	C2D-C1D-ND	-2.21	108.47	110.10
25	2	303	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
33	5	307	CHL	O1D-CGD-CBD	-2.21	119.96	124.48
28	B	840	BCR	C37-C22-C23	2.21	121.56	118.08
25	1	612	CLA	O2D-CGD-CBD	2.21	115.19	111.27
34	R	616	LUT	C40-C33-C32	2.21	121.56	118.08
25	3	302	CLA	CAA-C2A-C3A	-2.21	106.73	112.78
28	F	801	BCR	C38-C26-C25	-2.21	122.05	124.53
25	B	824	CLA	C2D-C1D-ND	-2.21	108.48	110.10
25	A	815	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
25	2	313	CLA	O2D-CGD-CBD	2.21	115.19	111.27
28	I	201	BCR	C34-C9-C10	-2.21	119.83	122.92
25	Q	612	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
33	6	606	CHL	CHB-C4A-NA	2.21	127.56	124.51
25	A	831	CLA	C2D-C1D-ND	-2.21	108.48	110.10
35	T	615	XAT	C35-C15-C14	-2.21	118.96	123.47
25	9	303	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
25	G	202	CLA	CHD-C1D-ND	-2.20	122.43	124.45
25	A	827	CLA	CHB-C4A-NA	2.20	127.56	124.51
34	9	312	LUT	C16-C1-C6	-2.20	106.72	110.30
35	P	620	XAT	C10-C11-C12	-2.20	116.34	123.22
33	U	308	CHL	C2A-C3A-C4A	-2.20	98.31	101.87
25	S	303	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
25	A	801	CLA	O2D-CGD-O1D	-2.20	119.53	123.84
25	J	105	CLA	C2D-C1D-ND	-2.20	108.48	110.10
25	A	813	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
25	B	833	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
35	T	615	XAT	C10-C11-C12	-2.20	116.35	123.22
25	8	315	CLA	C1B-CHB-C4A	-2.20	125.76	130.12
33	P	606	CHL	C1B-CHB-C4A	-2.20	125.76	130.12
33	S	306	CHL	CHC-C1C-NC	2.20	127.54	124.20
28	L	207	BCR	C21-C20-C19	-2.20	116.35	123.22
34	P	615	LUT	C8-C9-C10	-2.20	115.57	118.94
28	5	320	BCR	C16-C15-C14	-2.20	118.97	123.47
25	5	310	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
28	A	845	BCR	C33-C5-C4	2.20	117.84	113.62
25	7	308	CLA	C1-C2-C3	-2.20	122.24	126.04
33	4	322	CHL	OMC-CMC-C2C	-2.20	120.72	125.69

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	a	306	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
25	A	840	CLA	C1-C2-C3	-2.20	122.25	126.04
28	O	205	BCR	C11-C12-C13	-2.20	120.25	126.42
28	A	848	BCR	C24-C23-C22	-2.19	122.92	126.23
25	K	204	CLA	CHA-C1A-NA	-2.19	121.37	126.40
33	6	617	CHL	CHB-C4A-NA	2.19	127.55	124.51
25	2	307	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
25	A	818	CLA	CMB-C2B-C3B	2.19	128.78	124.68
25	3	305	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
33	4	304	CHL	OBD-CAD-C3D	-2.19	123.24	128.52
34	3	315	LUT	C16-C1-C6	-2.19	106.74	110.30
34	T	613	LUT	C20-C13-C12	2.19	121.53	118.08
25	2	305	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
25	4	310	CLA	C3A-C2A-C1A	2.19	104.62	101.34
33	P	601	CHL	C5-C3-C4	2.19	119.44	114.60
25	A	813	CLA	C2D-C1D-ND	-2.19	108.49	110.10
33	Q	601	CHL	C5-C3-C4	2.19	119.44	114.60
25	A	838	CLA	C11-C12-C13	-2.19	108.84	115.92
33	R	601	CHL	C5-C3-C4	2.19	119.44	114.60
34	9	313	LUT	C7-C8-C9	-2.19	122.93	126.23
25	L	205	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
25	A	818	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
25	S	313	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
25	a	307	CLA	CHB-C4A-NA	2.19	127.54	124.51
25	a	303	CLA	O2A-CGA-CBA	2.19	118.77	111.91
25	T	611	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
28	B	843	BCR	C10-C11-C12	-2.19	116.39	123.22
33	P	609	CHL	C2C-C3C-C4C	2.19	108.05	106.49
25	A	823	CLA	CAA-C2A-C3A	-2.19	106.79	112.78
34	9	312	LUT	C7-C8-C9	-2.19	122.93	126.23
33	6	606	CHL	CED-O2D-CGD	2.19	120.88	115.94
25	a	303	CLA	O2A-CGA-O1A	-2.19	118.08	123.59
28	J	101	BCR	C30-C25-C24	2.19	121.96	115.78
25	B	834	CLA	O2D-CGD-CBD	2.18	115.15	111.27
33	T	607	CHL	C3C-C4C-NC	2.18	113.02	110.57
36	U	301	NEX	C16-C1-C6	-2.18	108.52	110.47
25	1	612	CLA	CGD-CBD-CAD	2.18	117.81	110.73
33	9	306	CHL	CMA-C3A-C2A	-2.18	111.00	116.10
25	P	604	CLA	CMC-C2C-C1C	-2.18	121.71	125.04
33	P	605	CHL	CHA-C1A-NA	2.18	131.40	126.40
25	P	602	CLA	CHD-C1D-ND	-2.18	122.45	124.45
32	J	107	LMG	O6-C1-O1	-2.18	104.81	109.97

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	3	312	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
28	8	318	BCR	C37-C22-C23	2.18	121.52	118.08
25	3	303	CLA	O2D-CGD-CBD	2.18	115.14	111.27
25	S	303	CLA	O1D-CGD-CBD	2.18	128.95	124.48
33	6	617	CHL	OBD-CAD-C3D	-2.18	123.27	128.52
28	O	204	BCR	C2-C1-C6	2.18	113.84	110.48
25	5	306	CLA	C1B-CHB-C4A	-2.18	125.80	130.12
25	1	603	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
25	a	301	CLA	CAC-C3C-C4C	2.18	127.64	124.81
25	8	310	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
25	9	304	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
25	R	614	CLA	CAA-CBA-CGA	-2.18	106.88	113.25
25	T	602	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
25	9	301	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
25	5	312	CLA	CAA-CBA-CGA	-2.18	106.89	113.25
28	A	848	BCR	C31-C1-C6	-2.18	106.77	110.30
25	2	308	CLA	CHD-C1D-ND	-2.18	122.45	124.45
36	P	617	NEX	C2-C1-C6	2.18	111.33	109.21
25	U	312	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
25	T	603	CLA	CHD-C1D-ND	-2.18	122.45	124.45
25	2	311	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
34	9	313	LUT	C15-C35-C34	-2.18	119.02	123.47
25	H	203	CLA	CAA-CBA-CGA	-2.18	106.89	113.25
25	A	838	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
25	G	201	CLA	CHD-C1D-ND	-2.18	122.45	124.45
25	S	311	CLA	O2A-CGA-O1A	-2.17	118.10	123.59
28	O	205	BCR	C33-C5-C4	2.17	117.79	113.62
25	4	311	CLA	C1B-CHB-C4A	-2.17	125.81	130.12
33	P	606	CHL	CHB-C4A-NA	2.17	127.52	124.51
25	6	611	CLA	CHB-C4A-NA	2.17	127.52	124.51
33	T	604	CHL	C2A-C3A-C4A	-2.17	98.36	101.87
33	P	619	CHL	C2A-C3A-C4A	-2.17	98.36	101.87
28	4	321	BCR	C12-C13-C14	2.17	122.27	118.94
25	P	611	CLA	C2C-C1C-NC	2.17	112.00	109.97
25	5	302	CLA	O2D-CGD-CBD	2.17	115.12	111.27
28	3	319	BCR	C38-C26-C27	2.17	117.78	113.62
25	2	306	CLA	O2D-CGD-CBD	2.17	115.12	111.27
25	7	308	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
33	S	308	CHL	O1D-CGD-CBD	-2.17	120.05	124.48
25	R	611	CLA	CHA-C1A-NA	-2.17	121.43	126.40
25	B	817	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
25	B	849	CLA	O2A-CGA-O1A	-2.17	118.12	123.59

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	B	840	BCR	C3-C4-C5	-2.17	110.20	114.08
25	1	610	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
33	P	622	CHL	CED-O2D-CGD	2.17	120.84	115.94
33	S	302	CHL	CED-O2D-CGD	2.17	120.84	115.94
25	1	612	CLA	CMB-C2B-C3B	2.17	128.73	124.68
25	T	609	CLA	CED-O2D-CGD	2.17	120.84	115.94
35	P	620	XAT	C30-C31-C32	-2.17	116.46	123.22
33	U	306	CHL	CHB-C4A-NA	2.17	127.51	124.51
33	P	601	CHL	O2D-CGD-O1D	-2.17	119.60	123.84
25	Q	612	CLA	O2A-CGA-O1A	-2.17	118.13	123.59
25	J	103	CLA	C1-C2-C3	-2.17	122.30	126.04
28	L	204	BCR	C37-C22-C21	-2.16	119.89	122.92
25	K	203	CLA	C2D-C1D-ND	-2.16	108.51	110.10
25	4	311	CLA	CMB-C2B-C3B	2.16	128.72	124.68
33	8	307	CHL	CED-O2D-CGD	2.16	120.83	115.94
33	Q	607	CHL	O2D-CGD-O1D	-2.16	119.61	123.84
28	7	316	BCR	C1-C6-C5	-2.16	119.57	122.61
33	R	601	CHL	O2D-CGD-O1D	-2.16	119.61	123.84
25	8	314	CLA	O2D-CGD-CBD	2.16	115.11	111.27
34	S	316	LUT	C10-C11-C12	-2.16	116.48	123.22
25	A	802	CLA	CAA-C2A-C3A	-2.16	106.86	112.78
25	8	306	CLA	O1D-CGD-CBD	2.16	128.90	124.48
25	U	302	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
34	2	316	LUT	C21-C26-C27	-2.16	109.97	112.70
25	A	804	CLA	C11-C10-C8	-2.16	108.94	115.92
34	6	619	LUT	C39-C29-C28	2.16	121.48	118.08
33	R	609	CHL	C2C-C3C-C4C	2.16	108.03	106.49
33	4	305	CHL	CED-O2D-CGD	2.16	120.82	115.94
34	7	315	LUT	C8-C7-C6	-2.16	121.14	127.20
25	U	303	CLA	CHD-C1D-ND	-2.16	122.47	124.45
34	T	614	LUT	C8-C9-C10	-2.16	115.63	118.94
25	R	603	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
25	2	312	CLA	C2D-C1D-ND	-2.15	108.52	110.10
25	a	312	CLA	O2A-CGA-O1A	-2.15	118.15	123.59
25	L	205	CLA	CAA-C2A-C3A	-2.15	106.88	112.78
33	5	308	CHL	OMC-CMC-C2C	-2.15	120.82	125.69
34	8	316	LUT	C39-C29-C28	2.15	121.47	118.08
25	A	821	CLA	O1D-CGD-CBD	2.15	128.89	124.48
28	J	106	BCR	C35-C13-C14	-2.15	119.91	122.92
25	6	620	CLA	O2A-CGA-O1A	-2.15	117.93	123.30
25	A	851	CLA	CHB-C4A-NA	2.15	127.49	124.51
25	A	827	CLA	O2A-CGA-O1A	-2.15	118.16	123.59

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	8	301	BCR	C37-C22-C21	-2.15	119.91	122.92
25	B	820	CLA	CAA-CBA-CGA	-2.15	106.96	113.25
27	8	319	LHG	C5-O7-C7	-2.15	112.49	117.79
25	A	828	CLA	C1B-CHB-C4A	-2.15	125.85	130.12
25	A	801	CLA	C11-C10-C8	-2.15	108.96	115.92
28	G	203	BCR	C34-C9-C10	-2.15	119.91	122.92
33	Q	601	CHL	O2D-CGD-O1D	-2.15	119.63	123.84
25	2	309	CLA	C1B-CHB-C4A	-2.15	125.86	130.12
28	A	847	BCR	C11-C10-C9	-2.15	124.24	127.31
34	a	316	LUT	C15-C35-C34	-2.15	119.07	123.47
25	7	310	CLA	O2D-CGD-O1D	-2.15	119.63	123.84
33	T	604	CHL	O2D-CGD-O1D	-2.15	119.63	123.84
25	2	312	CLA	CHD-C1D-ND	-2.15	122.48	124.45
25	8	311	CLA	CHB-C4A-NA	2.15	127.48	124.51
28	L	204	BCR	C8-C7-C6	-2.15	121.16	127.20
31	B	850	SQD	C44-O6-C1	-2.15	109.54	113.74
33	P	608	CHL	O2D-CGD-O1D	-2.15	119.64	123.84
25	A	812	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
36	T	616	NEX	C4-C3-C2	-2.15	106.62	110.77
25	B	808	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
25	B	810	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
35	P	620	XAT	C18-C5-C4	2.15	116.70	114.28
25	6	614	CLA	C2D-C1D-ND	-2.15	108.52	110.10
25	A	807	CLA	C7-C6-C5	-2.15	107.53	113.36
33	Q	607	CHL	C2A-C3A-C4A	-2.15	98.40	101.87
36	P	621	NEX	C12-C13-C14	2.15	122.24	118.94
33	T	606	CHL	CHB-C4A-NA	2.15	127.48	124.51
25	A	826	CLA	O2D-CGD-CBD	2.15	115.08	111.27
28	B	845	BCR	C39-C30-C25	-2.15	106.82	110.30
25	A	825	CLA	C2D-C1D-ND	-2.15	108.52	110.10
33	R	608	CHL	O2D-CGD-O1D	-2.15	119.64	123.84
25	P	611	CLA	C1C-C2C-C3C	-2.15	104.70	106.96
25	3	320	CLA	O1D-CGD-CBD	2.15	128.88	124.48
28	I	201	BCR	C35-C13-C12	2.15	121.46	118.08
25	O	201	CLA	CHD-C1D-ND	-2.15	122.48	124.45
25	A	819	CLA	O2D-CGD-CBD	2.15	115.08	111.27
25	L	209	CLA	C2A-C1A-CHA	2.15	127.60	123.85
25	B	819	CLA	CGD-CBD-CAD	-2.15	103.79	110.73
28	A	848	BCR	C2-C1-C6	2.14	113.78	110.48
25	6	613	CLA	O2D-CGD-CBD	2.14	115.08	111.27
25	3	307	CLA	CHB-C4A-NA	2.14	127.48	124.51
25	B	811	CLA	CHD-C1D-ND	-2.14	122.48	124.45

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	P	611	CLA	CHD-C1D-ND	-2.14	122.48	124.45
34	U	315	LUT	C8-C9-C10	-2.14	115.65	118.94
34	1	615	LUT	C1-C2-C3	2.14	118.48	113.64
25	A	840	CLA	C11-C12-C13	-2.14	108.99	115.92
25	B	833	CLA	CHA-C1A-NA	-2.14	121.49	126.40
34	2	315	LUT	C20-C13-C12	2.14	121.45	118.08
25	6	614	CLA	CAC-C3C-C4C	2.14	127.59	124.81
25	6	615	CLA	CHD-C1D-ND	-2.14	122.49	124.45
25	A	823	CLA	O2D-CGD-CBD	2.14	115.07	111.27
33	U	306	CHL	O2D-CGD-O1D	-2.14	119.66	123.84
25	a	309	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
33	U	307	CHL	C1B-CHB-C4A	-2.14	125.88	130.12
25	4	303	CLA	C1-C2-C3	-2.14	123.29	126.75
25	5	313	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
25	5	305	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
33	P	605	CHL	CAA-C2A-C3A	-2.14	106.92	112.78
28	8	318	BCR	C8-C7-C6	-2.14	121.20	127.20
28	L	207	BCR	C35-C13-C14	-2.14	119.93	122.92
33	6	608	CHL	C1B-CHB-C4A	-2.14	125.88	130.12
25	5	303	CLA	O2D-CGD-CBD	2.14	115.06	111.27
25	S	320	CLA	CHD-C1D-ND	-2.14	122.49	124.45
28	B	845	BCR	C38-C26-C27	2.14	117.72	113.62
28	A	848	BCR	C28-C29-C30	-2.14	106.97	114.60
34	9	313	LUT	C19-C9-C8	2.14	121.44	118.08
25	B	820	CLA	O2A-CGA-O1A	-2.13	118.20	123.59
25	5	311	CLA	CHB-C4A-NA	2.13	127.46	124.51
33	Q	605	CHL	C1B-CHB-C4A	-2.13	125.89	130.12
25	1	609	CLA	C2D-C1D-ND	-2.13	108.53	110.10
33	4	314	CHL	O1D-CGD-CBD	-2.13	120.12	124.48
25	1	605	CLA	C6-C5-C3	-2.13	111.13	114.62
25	A	830	CLA	C2D-C1D-ND	-2.13	108.53	110.10
25	A	811	CLA	O2A-CGA-O1A	-2.13	118.21	123.59
25	1	608	CLA	O2A-CGA-O1A	-2.13	118.21	123.59
33	P	607	CHL	C2A-C3A-C4A	-2.13	98.42	101.87
28	A	847	BCR	C34-C9-C8	2.13	121.44	118.08
27	A	852	LHG	O8-C23-O10	-2.13	118.21	123.59
25	B	813	CLA	C2D-C1D-ND	-2.13	108.53	110.10
33	5	308	CHL	O2A-CGA-O1A	-2.13	118.21	123.59
33	T	607	CHL	CHD-C1D-C2D	2.13	129.95	125.48
33	a	305	CHL	CHD-C1D-C2D	2.13	129.95	125.48
33	U	305	CHL	O2A-CGA-O1A	-2.13	117.99	123.30
25	B	810	CLA	O2D-CGD-CBD	2.13	115.05	111.27

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	825	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
25	9	310	CLA	CHD-C1D-ND	-2.13	122.50	124.45
34	1	616	LUT	C10-C11-C12	-2.13	116.58	123.22
34	3	315	LUT	C21-C26-C27	-2.13	110.01	112.70
34	9	312	LUT	C38-C25-C24	-2.13	119.01	123.56
25	7	304	CLA	CHB-C4A-NA	2.13	127.45	124.51
28	A	848	BCR	C11-C12-C13	-2.13	120.44	126.42
33	P	608	CHL	C2A-C3A-C4A	-2.13	98.43	101.87
25	P	611	CLA	CMB-C2B-C3B	2.13	128.66	124.68
36	R	617	NEX	C1-C2-C3	-2.13	108.84	113.64
28	A	845	BCR	C8-C7-C6	-2.13	121.23	127.20
25	9	303	CLA	C2D-C1D-ND	-2.13	108.54	110.10
30	B	848	DGD	C1E-O6E-C5E	2.13	117.86	113.69
33	R	607	CHL	C2A-C3A-C4A	-2.13	98.44	101.87
28	F	803	BCR	C4-C5-C6	-2.13	119.64	122.73
34	8	317	LUT	C35-C15-C14	-2.12	119.12	123.47
25	3	311	CLA	CHD-C1D-ND	-2.12	122.50	124.45
25	A	814	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
25	U	304	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
34	9	313	LUT	C21-C26-C25	-2.12	107.61	111.42
33	3	306	CHL	CMB-C2B-C3B	2.12	128.65	124.68
25	R	612	CLA	CED-O2D-CGD	2.12	120.74	115.94
25	8	311	CLA	C1B-CHB-C4A	-2.12	125.91	130.12
25	1	613	CLA	C2D-C1D-ND	-2.12	108.54	110.10
25	8	312	CLA	O2D-CGD-O1D	-2.12	119.69	123.84
33	R	608	CHL	C2A-C3A-C4A	-2.12	98.44	101.87
33	R	607	CHL	C1B-CHB-C4A	-2.12	125.92	130.12
25	A	808	CLA	CHD-C1D-ND	-2.12	122.50	124.45
25	K	204	CLA	O2A-CGA-O1A	-2.12	118.01	123.30
28	A	845	BCR	C16-C15-C14	-2.12	119.13	123.47
28	L	207	BCR	C16-C15-C14	-2.12	119.13	123.47
34	P	615	LUT	C20-C13-C12	2.12	121.42	118.08
25	B	821	CLA	C1B-CHB-C4A	-2.12	125.92	130.12
25	4	309	CLA	CHB-C4A-NA	2.12	127.44	124.51
28	F	803	BCR	C36-C18-C19	2.12	121.42	118.08
34	2	316	LUT	C20-C13-C12	2.12	121.42	118.08
33	4	305	CHL	CHC-C1C-NC	2.12	127.42	124.20
33	T	604	CHL	C4A-NA-C1A	-2.12	105.75	106.71
28	7	316	BCR	C39-C30-C25	-2.12	106.86	110.30
34	5	322	LUT	C15-C14-C13	-2.12	124.28	127.31
33	S	302	CHL	CHB-C4A-NA	2.12	127.44	124.51
28	6	621	BCR	C2-C1-C6	-2.12	107.22	110.48

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	T	607	CHL	O2A-CGA-O1A	-2.12	118.25	123.59
34	4	316	LUT	C7-C8-C9	-2.12	123.03	126.23
34	6	619	LUT	C10-C11-C12	-2.12	116.61	123.22
25	P	602	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
27	5	321	LHG	O8-C23-O10	-2.12	118.25	123.59
25	P	610	CLA	C1-C2-C3	-2.12	122.38	126.04
27	S	319	LHG	C5-O7-C7	-2.12	112.58	117.79
25	B	817	CLA	O2D-CGD-CBD	2.12	115.03	111.27
34	U	314	LUT	C8-C7-C6	-2.12	121.26	127.20
33	5	307	CHL	C2A-C3A-C4A	-2.12	98.45	101.87
28	A	846	BCR	C8-C7-C6	-2.12	121.26	127.20
33	6	606	CHL	O1D-CGD-CBD	-2.11	120.16	124.48
33	6	606	CHL	OMC-CMC-C2C	-2.11	120.91	125.69
35	P	620	XAT	C35-C15-C14	-2.11	119.14	123.47
34	R	615	LUT	C22-C23-C24	2.11	114.15	111.74
25	U	310	CLA	C1-C2-C3	-2.11	122.39	126.04
25	P	611	CLA	C2A-C1A-CHA	-2.11	120.17	123.85
36	R	617	NEX	C26-C27-C28	-2.11	121.53	125.99
25	B	811	CLA	C16-C15-C13	-2.11	109.09	115.92
25	5	313	CLA	CHA-C4D-ND	2.11	136.92	132.50
28	A	845	BCR	C23-C24-C25	-2.11	121.27	127.20
25	8	313	CLA	C1-C2-C3	-2.11	122.39	126.04
25	A	808	CLA	O2D-CGD-CBD	2.11	115.02	111.27
25	A	835	CLA	C2A-C1A-CHA	2.11	127.55	123.86
25	S	303	CLA	C1B-CHB-C4A	-2.11	125.94	130.12
36	P	617	NEX	C38-C25-C24	2.11	116.65	114.28
34	a	314	LUT	C1-C2-C3	2.11	118.41	113.64
36	U	316	NEX	C5-C6-C1	2.11	121.79	119.70
34	U	315	LUT	C16-C1-C6	-2.11	106.88	110.30
25	A	840	CLA	CMB-C2B-C3B	2.11	128.62	124.68
33	5	307	CHL	O2A-CGA-O1A	-2.11	118.27	123.59
28	6	621	BCR	C37-C22-C23	2.11	121.40	118.08
25	P	612	CLA	CED-O2D-CGD	2.11	120.70	115.94
35	T	615	XAT	C31-C32-C33	-2.11	120.50	126.42
25	P	611	CLA	C3C-C4C-NC	-2.11	108.21	110.57
28	A	849	BCR	C38-C26-C27	2.11	117.66	113.62
34	6	622	LUT	C22-C23-C24	-2.11	109.34	111.74
25	T	612	CLA	CAA-CBA-CGA	-2.11	107.10	113.25
30	B	846	DGD	O3G-C3G-C2G	-2.11	105.82	110.90
33	R	607	CHL	OMC-CMC-C2C	-2.11	120.93	125.69
34	9	312	LUT	C21-C26-C27	-2.11	110.04	112.70
28	4	321	BCR	C1-C6-C5	-2.10	119.65	122.61

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	R	607	CHL	C1-C2-C3	-2.10	122.40	126.04
34	1	615	LUT	C11-C10-C9	-2.10	124.31	127.31
28	8	318	BCR	C10-C11-C12	-2.10	116.65	123.22
33	S	321	CHL	C2A-C3A-C4A	-2.10	98.47	101.87
33	P	608	CHL	CHB-C4A-NA	2.10	127.42	124.51
34	2	315	LUT	C38-C25-C24	-2.10	119.06	123.56
34	5	322	LUT	C40-C33-C34	-2.10	119.98	122.92
33	T	601	CHL	C4A-NA-C1A	2.10	107.65	106.71
25	P	603	CLA	CMA-C3A-C4A	-2.10	106.12	111.77
33	Q	607	CHL	CHB-C4A-NA	2.10	127.42	124.51
25	Q	609	CLA	C1-C2-C3	-2.10	122.41	126.04
25	3	309	CLA	CAC-C3C-C4C	2.10	127.54	124.81
28	O	205	BCR	C1-C6-C5	-2.10	119.66	122.61
32	J	102	LMG	O8-C28-O10	-2.10	118.29	123.59
25	7	301	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
33	1	601	CHL	C4-C3-C5	2.10	118.80	115.27
28	L	207	BCR	C34-C9-C10	-2.10	119.98	122.92
33	P	619	CHL	C1B-CHB-C4A	-2.10	125.96	130.12
28	B	845	BCR	C33-C5-C4	2.10	117.65	113.62
33	P	607	CHL	C1B-CHB-C4A	-2.10	125.96	130.12
35	P	616	XAT	C31-C32-C33	-2.10	120.52	126.42
33	P	619	CHL	OMC-CMC-C2C	-2.10	120.94	125.69
33	P	607	CHL	OMC-CMC-C2C	-2.10	120.94	125.69
25	9	301	CLA	O2D-CGD-CBD	2.10	114.99	111.27
25	a	312	CLA	CHD-C1D-ND	-2.10	122.53	124.45
25	3	305	CLA	CHD-C1D-ND	-2.09	122.53	124.45
25	B	807	CLA	C11-C12-C13	-2.09	109.15	115.92
25	9	308	CLA	C3A-C2A-C1A	2.09	104.48	101.34
33	Q	606	CHL	OMC-CMC-C2C	-2.09	120.95	125.69
25	S	315	CLA	C2D-C1D-ND	-2.09	108.56	110.10
28	L	204	BCR	C11-C10-C9	-2.09	124.32	127.31
25	R	603	CLA	CHD-C1D-ND	-2.09	122.53	124.45
26	A	841	PQN	C2M-C2-C1	2.09	119.74	116.27
33	P	619	CHL	C1-C2-C3	-2.09	122.42	126.04
33	P	607	CHL	C1-C2-C3	-2.09	122.42	126.04
25	5	309	CLA	C2D-C1D-ND	-2.09	108.56	110.10
25	2	311	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
34	P	615	LUT	C40-C33-C32	2.09	121.37	118.08
33	S	308	CHL	C1B-CHB-C4A	-2.09	125.97	130.12
27	2	317	LHG	O8-C23-C24	2.09	118.47	111.91
34	U	315	LUT	C40-C33-C32	2.09	121.37	118.08
28	B	841	BCR	C10-C11-C12	-2.09	116.69	123.22

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	324	CLA	C1B-CHB-C4A	-2.09	125.98	130.12
33	4	314	CHL	OMC-CMC-C2C	-2.09	120.96	125.69
34	a	316	LUT	C31-C32-C33	-2.09	120.54	126.42
25	B	801	CLA	C16-C15-C13	-2.09	109.17	115.92
35	T	615	XAT	C4-C3-C2	-2.09	106.74	110.77
25	S	311	CLA	CHD-C1D-ND	-2.09	122.53	124.45
34	6	622	LUT	C38-C25-C24	-2.09	119.09	123.56
34	5	318	LUT	C18-C5-C4	2.09	118.22	114.36
25	1	604	CLA	CHB-C4A-NA	2.09	127.40	124.51
28	A	849	BCR	C33-C5-C6	-2.09	122.18	124.53
34	P	615	LUT	C39-C29-C30	-2.09	120.00	122.92
33	U	309	CHL	C3C-C4C-NC	2.09	112.91	110.57
25	8	306	CLA	CAA-C2A-C3A	-2.09	109.05	114.26
25	6	615	CLA	O2A-CGA-O1A	-2.09	116.60	123.14
25	B	819	CLA	CHD-C1D-ND	-2.09	122.54	124.45
25	5	316	CLA	CHD-C1D-ND	-2.09	122.54	124.45
33	S	310	CHL	O1D-CGD-CBD	-2.09	120.22	124.48
25	A	830	CLA	C16-C15-C13	-2.09	109.18	115.92
25	B	827	CLA	C2D-C1D-ND	-2.09	108.57	110.10
33	S	308	CHL	CED-O2D-CGD	2.09	120.65	115.94
27	4	319	LHG	O7-C7-O9	-2.09	118.66	123.70
25	4	307	CLA	O2A-CGA-O1A	-2.08	118.33	123.59
28	F	801	BCR	C38-C26-C27	2.08	117.62	113.62
28	B	841	BCR	C38-C26-C25	-2.08	122.19	124.53
35	P	623	XAT	C30-C31-C32	-2.08	116.71	123.22
25	H	205	CLA	O2D-CGD-CBD	2.08	114.97	111.27
25	1	608	CLA	CHB-C4A-NA	2.08	127.39	124.51
34	3	315	LUT	C38-C25-C24	-2.08	119.10	123.56
25	4	310	CLA	O2D-CGD-O1D	-2.08	119.76	123.84
25	7	304	CLA	CAA-C2A-C3A	-2.08	109.05	114.26
33	S	307	CHL	CHC-C1C-NC	2.08	127.36	124.20
25	3	302	CLA	O2D-CGD-O1D	-2.08	119.77	123.84
28	J	101	BCR	C16-C17-C18	-2.08	124.34	127.31
25	6	611	CLA	C1B-CHB-C4A	-2.08	125.99	130.12
25	Q	611	CLA	CHB-C4A-NA	2.08	127.39	124.51
33	R	608	CHL	CHB-C4A-NA	2.08	127.39	124.51
25	S	320	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
33	S	306	CHL	CED-O2D-CGD	2.08	120.65	115.94
33	8	307	CHL	CMB-C2B-C3B	2.08	128.57	124.68
28	G	203	BCR	C31-C1-C6	-2.08	106.92	110.30
25	A	842	CLA	CHD-C1D-ND	-2.08	122.54	124.45
25	B	836	CLA	CHD-C1D-ND	-2.08	122.54	124.45

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	825	CLA	C1-C2-C3	-2.08	122.44	126.04
33	4	314	CHL	CED-O2D-CGD	2.08	120.64	115.94
25	B	804	CLA	C11-C12-C13	-2.08	109.19	115.92
33	4	304	CHL	O1D-CGD-CBD	-2.08	120.23	124.48
36	R	617	NEX	C4-C3-C2	-2.08	106.76	110.77
33	5	317	CHL	C1B-CHB-C4A	-2.08	126.00	130.12
33	5	317	CHL	OBD-CAD-C3D	-2.08	123.52	128.52
25	8	302	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
33	S	307	CHL	CHD-C1D-C2D	2.08	129.84	125.48
33	S	307	CHL	O2D-CGD-O1D	-2.08	119.77	123.84
25	A	827	CLA	C1B-CHB-C4A	-2.08	126.00	130.12
25	A	810	CLA	C2D-C1D-ND	-2.08	108.57	110.10
33	5	308	CHL	C4A-NA-C1A	-2.08	105.77	106.71
34	4	315	LUT	C40-C33-C32	2.08	121.35	118.08
25	9	305	CLA	O1D-CGD-CBD	2.08	128.73	124.48
28	B	843	BCR	C39-C30-C25	-2.08	106.93	110.30
28	5	320	BCR	C35-C13-C14	-2.08	120.01	122.92
25	2	303	CLA	CAC-C3C-C4C	2.08	127.50	124.81
25	5	319	CLA	C2D-C1D-ND	-2.08	108.57	110.10
25	7	309	CLA	CMA-C3A-C2A	-2.08	111.25	116.10
34	8	317	LUT	C20-C13-C14	-2.08	120.02	122.92
25	6	610	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
28	5	320	BCR	C20-C21-C22	-2.08	124.35	127.31
25	A	814	CLA	C1-C2-C3	-2.07	122.45	126.04
28	8	318	BCR	C35-C13-C14	-2.07	120.02	122.92
25	A	836	CLA	O1D-CGD-CBD	2.07	128.73	124.48
25	A	803	CLA	CHB-C4A-NA	2.07	127.38	124.51
33	9	307	CHL	CAA-CBA-CGA	-2.07	107.19	113.25
28	A	848	BCR	C23-C24-C25	-2.07	121.38	127.20
25	A	825	CLA	CHA-C1A-NA	-2.07	121.65	126.40
25	A	812	CLA	C3C-C4C-NC	-2.07	108.25	110.57
33	P	605	CHL	C1B-CHB-C4A	-2.07	126.01	130.12
34	a	316	LUT	C1-C6-C7	2.07	121.64	115.78
34	5	318	LUT	C38-C25-C24	-2.07	119.13	123.56
25	A	829	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
34	4	316	LUT	C19-C9-C8	2.07	121.34	118.08
25	1	603	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
28	B	842	BCR	C36-C18-C17	-2.07	120.02	122.92
28	8	301	BCR	C38-C26-C27	2.07	117.59	113.62
25	Q	610	CLA	CHD-C1D-ND	-2.07	122.55	124.45
33	6	608	CHL	C3D-C4D-CHA	-2.07	107.99	112.72
33	4	305	CHL	CMB-C2B-C3B	2.07	128.55	124.68

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	1	612	CLA	C1B-CHB-C4A	-2.07	126.02	130.12
33	Q	608	CHL	C2C-C3C-C4C	2.07	107.96	106.49
28	5	320	BCR	C11-C12-C13	-2.07	120.61	126.42
25	B	830	CLA	C2D-C1D-ND	-2.07	108.58	110.10
33	P	622	CHL	OBD-CAD-C3D	-2.07	123.55	128.52
32	4	320	LMG	C6-C5-C4	-2.07	108.17	113.00
25	4	308	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
33	6	608	CHL	C4A-NA-C1A	-2.06	105.78	106.71
35	P	623	XAT	C18-C5-C4	2.06	116.60	114.28
34	a	315	LUT	C10-C11-C12	-2.06	116.78	123.22
25	2	313	CLA	CAA-C2A-C1A	-2.06	105.21	111.97
34	Q	614	LUT	C8-C7-C6	-2.06	121.41	127.20
33	6	608	CHL	C2A-C3A-C4A	-2.06	98.54	101.87
25	6	604	CLA	CAA-CBA-CGA	-2.06	107.23	113.25
33	P	619	CHL	C3D-C4D-CHA	-2.06	108.00	112.72
25	5	311	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
34	3	316	LUT	C15-C35-C34	-2.06	119.25	123.47
34	5	322	LUT	C38-C25-C24	-2.06	119.15	123.56
36	P	617	NEX	C4-C3-C2	-2.06	106.79	110.77
25	5	312	CLA	CBA-CAA-C2A	-2.06	107.78	113.86
25	B	826	CLA	C2D-C1D-ND	-2.06	108.59	110.10
25	a	309	CLA	C2D-C1D-ND	-2.06	108.59	110.10
25	A	806	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
33	1	601	CHL	OMC-CMC-C2C	-2.06	121.03	125.69
33	R	607	CHL	C3D-C4D-CHA	-2.06	108.01	112.72
35	Q	616	XAT	C4-C3-C2	-2.06	106.80	110.77
25	K	201	CLA	C2D-C1D-ND	-2.06	108.59	110.10
25	3	310	CLA	C2D-C1D-ND	-2.06	108.59	110.10
25	a	308	CLA	C4D-CHA-C1A	-2.06	118.74	121.25
25	8	302	CLA	C2D-C1D-ND	-2.06	108.59	110.10
28	I	201	BCR	C32-C1-C6	-2.06	106.96	110.30
25	A	842	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
25	a	306	CLA	O1D-CGD-CBD	2.06	128.69	124.48
25	9	305	CLA	C1B-CHB-C4A	-2.06	126.05	130.12
28	A	847	BCR	C33-C5-C4	2.06	117.56	113.62
25	L	202	CLA	C16-C15-C13	-2.05	109.28	115.92
33	U	308	CHL	CHB-C4A-NA	2.05	127.35	124.51
25	B	824	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
33	4	306	CHL	OBD-CAD-C3D	-2.05	123.58	128.52
33	6	608	CHL	C5-C3-C4	2.05	119.14	114.60
28	F	803	BCR	C24-C23-C22	-2.05	123.13	126.23
33	S	310	CHL	CED-O2D-CGD	2.05	120.58	115.94

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	822	CLA	C2D-C1D-ND	-2.05	108.59	110.10
27	5	321	LHG	O7-C7-O9	-2.05	118.74	123.70
28	B	841	BCR	C34-C9-C10	-2.05	120.05	122.92
25	B	801	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
33	S	310	CHL	O2D-CGD-O1D	-2.05	119.83	123.84
25	B	818	CLA	C2D-C1D-ND	-2.05	108.59	110.10
34	a	316	LUT	C39-C29-C30	-2.05	120.05	122.92
34	2	316	LUT	C15-C14-C13	-2.05	124.38	127.31
33	R	606	CHL	O2D-CGD-O1D	-2.05	119.83	123.84
25	R	602	CLA	CAC-C3C-C4C	2.05	127.47	124.81
33	P	607	CHL	C3D-C4D-CHA	-2.05	108.03	112.72
25	a	302	CLA	C2D-C1D-ND	-2.05	108.59	110.10
33	T	607	CHL	CHC-C1C-NC	2.05	127.31	124.20
28	L	204	BCR	C8-C9-C10	2.05	122.09	118.94
25	P	611	CLA	CMC-C2C-C1C	2.05	128.16	125.04
28	7	316	BCR	C37-C22-C23	2.05	121.31	118.08
34	6	622	LUT	C39-C29-C28	2.05	121.31	118.08
34	U	315	LUT	C20-C13-C12	2.05	121.31	118.08
28	J	101	BCR	C1-C6-C7	2.05	121.57	115.78
25	Q	604	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
34	T	613	LUT	C8-C7-C6	-2.05	121.45	127.20
33	P	609	CHL	C2A-C1A-CHA	2.05	127.44	123.86
33	U	306	CHL	OBD-CAD-C3D	-2.05	123.59	128.52
33	T	604	CHL	C1B-CHB-C4A	-2.05	126.06	130.12
33	S	306	CHL	C4A-NA-C1A	-2.05	105.79	106.71
25	1	609	CLA	C4D-CHA-C1A	-2.05	118.76	121.25
28	A	854	BCR	C35-C13-C14	-2.05	120.06	122.92
34	8	317	LUT	C38-C25-C24	-2.05	119.18	123.56
25	3	307	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
25	7	310	CLA	CAA-CBA-CGA	-2.04	107.28	113.25
25	T	608	CLA	C1-C2-C3	-2.04	122.51	126.04
33	T	606	CHL	OBD-CAD-C3D	-2.04	123.60	128.52
28	8	318	BCR	C29-C30-C25	2.04	113.63	110.48
34	9	313	LUT	C8-C7-C6	-2.04	121.47	127.20
25	A	819	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
25	1	602	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
25	A	821	CLA	O2A-CGA-O1A	-2.04	118.21	123.30
25	1	612	CLA	O1D-CGD-CBD	2.04	128.66	124.48
25	a	308	CLA	O1D-CGD-CBD	2.04	128.66	124.48
34	9	313	LUT	C39-C29-C28	2.04	121.29	118.08
25	4	303	CLA	O1D-CGD-CBD	2.04	128.66	124.48
25	3	304	CLA	CHD-C1D-ND	-2.04	122.58	124.45

*Continued on next page...*

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	B	822	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
25	6	614	CLA	O1A-CGA-CBA	2.04	129.64	123.08
33	8	307	CHL	C3D-C4D-CHA	-2.04	108.05	112.72
25	A	815	CLA	C1-C2-C3	-2.04	122.51	126.04
25	5	324	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
25	2	308	CLA	C2D-C1D-ND	-2.04	108.60	110.10
33	S	306	CHL	C3B-C4B-NB	2.04	111.85	109.21
25	9	301	CLA	CHD-C1D-ND	-2.04	122.58	124.45
34	1	617	LUT	C15-C35-C34	-2.04	119.30	123.47
25	7	308	CLA	CAA-C2A-C3A	-2.04	107.19	112.78
34	1	617	LUT	C31-C32-C33	-2.04	120.69	126.42
34	P	614	LUT	C16-C1-C6	-2.04	106.99	110.30
34	6	622	LUT	C20-C13-C12	2.04	121.29	118.08
28	L	208	BCR	C8-C7-C6	-2.04	121.48	127.20
34	P	615	LUT	C30-C31-C32	-2.04	116.86	123.22
25	2	304	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
25	T	602	CLA	C2D-C1D-ND	-2.04	108.60	110.10
28	B	840	BCR	C1-C6-C5	-2.04	119.75	122.61
34	R	616	LUT	C30-C31-C32	-2.04	116.87	123.22
25	S	314	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
25	B	804	CLA	O1D-CGD-CBD	2.03	128.65	124.48
34	S	317	LUT	C39-C29-C30	-2.03	120.07	122.92
32	4	320	LMG	O6-C1-C2	-2.03	106.04	110.35
25	1	612	CLA	CAA-C2A-C3A	-2.03	107.21	112.78
28	7	316	BCR	C36-C18-C17	-2.03	120.08	122.92
33	S	308	CHL	C4A-NA-C1A	-2.03	105.79	106.71
33	6	607	CHL	CED-O2D-CGD	2.03	120.53	115.94
25	6	623	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
28	6	621	BCR	C35-C13-C14	-2.03	120.08	122.92
25	U	302	CLA	C2D-C1D-ND	-2.03	108.61	110.10
34	U	315	LUT	C30-C31-C32	-2.03	116.88	123.22
25	B	808	CLA	CHB-C4A-NA	2.03	127.32	124.51
25	9	309	CLA	CHD-C1D-ND	-2.03	122.59	124.45
33	S	308	CHL	C1-C2-C3	-2.03	122.53	126.04
25	2	307	CLA	C2D-C1D-ND	-2.03	108.61	110.10
28	O	204	BCR	C16-C15-C14	-2.03	119.32	123.47
25	7	309	CLA	O2D-CGD-CBD	2.03	114.87	111.27
33	P	622	CHL	C1-O2A-CGA	2.03	121.77	116.44
25	8	304	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
34	7	314	LUT	C20-C13-C12	2.03	121.27	118.08
25	7	302	CLA	O2D-CGD-CBD	2.03	114.87	111.27
27	A	852	LHG	O7-C7-O9	-2.03	118.80	123.70

Continued on next page...

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	811	CLA	C16-C15-C13	-2.03	109.36	115.92
28	L	203	BCR	C23-C24-C25	-2.03	121.51	127.20
28	F	801	BCR	C10-C11-C12	-2.03	116.89	123.22
32	7	319	LMG	O8-C28-O10	-2.03	118.48	123.59
25	B	824	CLA	O2D-CGD-CBD	2.03	114.87	111.27
33	R	609	CHL	C2A-C1A-CHA	2.03	127.40	123.86
32	2	301	LMG	C9-C8-C7	-2.03	107.00	111.79
25	B	821	CLA	CAA-CBA-CGA	-2.03	107.33	113.25
34	Q	615	LUT	C3-C4-C5	-2.02	107.82	111.85
25	Q	613	CLA	CHD-C1D-ND	-2.02	122.59	124.45
25	3	301	CLA	C7-C6-C5	-2.02	107.86	113.36
27	a	317	LHG	O7-C7-O9	-2.02	118.81	123.70
28	L	203	BCR	C28-C29-C30	-2.02	107.37	114.60
33	U	305	CHL	CAA-C2A-C3A	-2.02	107.24	112.78
35	P	620	XAT	C38-C25-C24	2.02	116.55	114.28
25	L	209	CLA	CHA-C1A-NA	-2.02	121.77	126.40
25	K	201	CLA	CAC-C3C-C4C	2.02	127.43	124.81
25	1	605	CLA	O2D-CGD-CBD	2.02	114.86	111.27
25	A	802	CLA	C1-C2-C3	-2.02	122.55	126.04
25	Q	604	CLA	CMC-C2C-C1C	-2.02	121.96	125.04
28	A	848	BCR	C16-C15-C14	-2.02	119.34	123.47
33	1	606	CHL	O1D-CGD-CBD	-2.02	120.35	124.48
25	B	806	CLA	CAA-CBA-CGA	-2.02	107.36	113.25
35	P	616	XAT	O4-C5-C6	-2.02	57.29	58.96
33	T	605	CHL	OMC-CMC-C2C	-2.02	121.12	125.69
25	1	611	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
25	R	602	CLA	C2D-C1D-ND	-2.02	108.62	110.10
25	8	314	CLA	CMB-C2B-C3B	2.02	128.45	124.68
25	A	831	CLA	C1-C2-C3	-2.02	123.49	126.75
25	B	802	CLA	O1D-CGD-CBD	2.02	128.61	124.48
35	P	620	XAT	C4-C3-C2	-2.02	106.88	110.77
34	3	315	LUT	C20-C13-C14	-2.02	120.10	122.92
25	8	305	CLA	CHD-C1D-ND	-2.02	122.60	124.45
35	T	615	XAT	C38-C25-C24	2.02	116.55	114.28
25	Q	611	CLA	CHD-C1D-ND	-2.02	122.60	124.45
36	U	316	NEX	C31-C32-C33	-2.01	120.76	126.42
35	S	318	XAT	C4-C3-C2	-2.01	106.88	110.77
33	3	306	CHL	OBD-CAD-C3D	-2.01	123.67	128.52
33	U	306	CHL	OMC-CMC-C2C	-2.01	121.13	125.69
28	A	846	BCR	C23-C24-C25	-2.01	121.55	127.20
25	R	602	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
27	B	847	LHG	O8-C23-O10	-2.01	118.51	123.59

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	H	204	LMG	O7-C10-O9	-2.01	118.84	123.70
33	Q	608	CHL	C2A-C1A-CHA	2.01	127.38	123.86
33	S	302	CHL	CAA-CBA-CGA	-2.01	107.38	113.25
34	7	314	LUT	C35-C15-C14	-2.01	119.36	123.47
25	2	312	CLA	C3C-C4C-NC	-2.01	108.32	110.57
34	1	617	LUT	C19-C9-C8	2.01	121.25	118.08
34	a	316	LUT	C16-C1-C6	-2.01	107.04	110.30
33	P	606	CHL	OBD-CAD-C3D	-2.01	123.68	128.52
33	P	609	CHL	C4D-CHA-C1A	2.01	123.69	121.25
32	J	104	LMG	O8-C28-O10	-2.01	118.52	123.59
25	7	303	CLA	C2D-C1D-ND	-2.01	108.62	110.10
25	S	303	CLA	CMA-C3A-C2A	-2.01	105.72	113.83
33	4	304	CHL	CMA-C3A-C2A	-2.01	111.41	116.10
25	8	314	CLA	C2A-C3A-C4A	2.01	105.11	101.87
28	L	204	BCR	C3-C2-C1	-2.01	107.42	114.60
25	U	311	CLA	CHB-C4A-NA	2.01	127.29	124.51
25	a	308	CLA	CMC-C2C-C1C	-2.01	121.98	125.04
34	S	316	LUT	C11-C10-C9	-2.01	124.44	127.31
34	R	616	LUT	C7-C8-C9	-2.01	123.20	126.23
34	3	315	LUT	C19-C9-C8	2.01	121.24	118.08
28	B	843	BCR	C4-C5-C6	-2.01	119.82	122.73
25	G	201	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
25	8	313	CLA	CHB-C4A-NA	2.01	127.29	124.51
25	8	314	CLA	CMA-C3A-C2A	-2.01	105.74	113.83
34	T	614	LUT	C3-C4-C5	-2.01	107.86	111.85
25	R	610	CLA	C3A-C2A-C1A	2.01	104.34	101.34
28	O	204	BCR	C37-C22-C21	-2.01	120.11	122.92
25	R	613	CLA	CHD-C1D-ND	-2.00	122.61	124.45
25	Q	612	CLA	C3A-C2A-C1A	2.00	104.34	101.34
25	B	849	CLA	C2D-C1D-ND	-2.00	108.63	110.10
25	P	613	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
25	G	202	CLA	CAA-CBA-CGA	-2.00	107.40	113.25
25	3	309	CLA	C2D-C1D-ND	-2.00	108.63	110.10
28	I	201	BCR	C27-C26-C25	-2.00	119.82	122.73
34	9	313	LUT	C21-C26-C27	-2.00	110.17	112.70
34	Q	614	LUT	C20-C13-C14	-2.00	120.12	122.92
34	9	312	LUT	C40-C33-C34	-2.00	120.12	122.92
25	7	301	CLA	C2D-C1D-ND	-2.00	108.63	110.10
25	U	304	CLA	CMC-C2C-C3C	2.00	131.55	126.12
36	P	621	NEX	O24-C25-C26	-2.00	57.30	58.96
25	Q	603	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
34	S	316	LUT	C7-C8-C9	-2.00	123.21	126.23

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	Q	612	CLA	CAC-C3C-C4C	2.00	127.41	124.81

All (439) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
25	A	801	CLA	ND
25	A	802	CLA	ND
25	A	803	CLA	ND
25	A	804	CLA	ND
25	A	805	CLA	ND
25	A	806	CLA	ND
25	A	807	CLA	ND
25	A	808	CLA	ND
25	A	809	CLA	ND
25	A	810	CLA	ND
25	A	811	CLA	ND
25	A	812	CLA	ND
25	A	813	CLA	ND
25	A	814	CLA	ND
25	A	815	CLA	ND
25	A	816	CLA	ND
25	A	817	CLA	ND
25	A	818	CLA	ND
25	A	819	CLA	ND
25	A	820	CLA	ND
25	A	821	CLA	ND
25	A	822	CLA	ND
25	A	823	CLA	ND
25	A	824	CLA	ND
25	A	825	CLA	ND
25	A	826	CLA	ND
25	A	827	CLA	ND
25	A	828	CLA	ND
25	A	829	CLA	ND
25	A	830	CLA	ND
25	A	831	CLA	ND
25	A	832	CLA	ND
25	A	833	CLA	ND
25	A	834	CLA	ND
25	A	835	CLA	ND
25	A	836	CLA	ND
25	A	837	CLA	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
25	A	838	CLA	ND
25	A	839	CLA	ND
25	A	840	CLA	ND
25	A	842	CLA	ND
25	A	851	CLA	ND
25	A	853	CLA	ND
25	B	801	CLA	ND
25	B	802	CLA	ND
25	B	803	CLA	ND
25	B	804	CLA	ND
25	B	805	CLA	ND
25	B	806	CLA	ND
25	B	807	CLA	ND
25	B	808	CLA	ND
25	B	809	CLA	ND
25	B	810	CLA	ND
25	B	811	CLA	ND
25	B	812	CLA	ND
25	B	813	CLA	ND
25	B	814	CLA	ND
25	B	815	CLA	ND
25	B	816	CLA	ND
25	B	817	CLA	ND
25	B	818	CLA	ND
25	B	819	CLA	ND
25	B	820	CLA	ND
25	B	821	CLA	ND
25	B	822	CLA	ND
25	B	823	CLA	ND
25	B	824	CLA	ND
25	B	825	CLA	ND
25	B	826	CLA	ND
25	B	827	CLA	ND
25	B	828	CLA	ND
25	B	829	CLA	ND
25	B	830	CLA	ND
25	B	831	CLA	ND
25	B	832	CLA	ND
25	B	833	CLA	ND
25	B	834	CLA	ND
25	B	835	CLA	ND
25	B	836	CLA	ND

*Continued on next page...*



*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
25	B	837	CLA	ND
25	B	838	CLA	ND
25	B	849	CLA	ND
25	F	802	CLA	ND
25	G	201	CLA	ND
25	G	202	CLA	ND
25	H	201	CLA	ND
25	H	202	CLA	ND
25	H	203	CLA	ND
25	H	205	CLA	ND
25	J	103	CLA	ND
25	J	105	CLA	ND
25	K	201	CLA	ND
25	K	202	CLA	ND
25	K	203	CLA	ND
25	K	204	CLA	ND
25	K	205	CLA	ND
25	L	201	CLA	ND
25	L	202	CLA	ND
25	L	205	CLA	ND
25	L	206	CLA	ND
25	L	209	CLA	ND
25	O	201	CLA	ND
25	O	202	CLA	ND
25	O	203	CLA	ND
25	P	602	CLA	ND
25	P	603	CLA	ND
25	P	604	CLA	ND
25	P	610	CLA	ND
25	P	611	CLA	ND
25	P	612	CLA	ND
25	P	613	CLA	ND
25	Q	602	CLA	ND
25	Q	603	CLA	ND
25	Q	604	CLA	ND
25	Q	609	CLA	ND
25	Q	610	CLA	ND
25	Q	611	CLA	ND
25	Q	612	CLA	ND
25	Q	613	CLA	ND
25	R	602	CLA	ND
25	R	603	CLA	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
25	R	604	CLA	ND
25	R	610	CLA	ND
25	R	611	CLA	ND
25	R	612	CLA	ND
25	R	613	CLA	ND
25	R	614	CLA	ND
25	S	301	CLA	ND
25	S	303	CLA	ND
25	S	304	CLA	ND
25	S	305	CLA	ND
25	S	311	CLA	ND
25	S	312	CLA	ND
25	S	313	CLA	ND
25	S	315	CLA	ND
25	S	320	CLA	ND
25	T	602	CLA	ND
25	T	603	CLA	ND
25	T	608	CLA	ND
25	T	610	CLA	ND
25	T	611	CLA	ND
25	T	612	CLA	ND
25	U	302	CLA	ND
25	U	303	CLA	ND
25	U	304	CLA	ND
25	U	310	CLA	ND
25	U	311	CLA	ND
25	U	312	CLA	ND
25	U	313	CLA	ND
25	1	602	CLA	ND
25	1	603	CLA	ND
25	1	604	CLA	ND
25	1	605	CLA	ND
25	1	607	CLA	ND
25	1	608	CLA	ND
25	1	609	CLA	ND
25	1	610	CLA	ND
25	1	611	CLA	ND
25	1	612	CLA	ND
25	1	613	CLA	ND
25	1	614	CLA	ND
25	2	302	CLA	ND
25	2	303	CLA	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
25	2	304	CLA	ND
25	2	305	CLA	ND
25	2	306	CLA	ND
25	2	307	CLA	ND
25	2	308	CLA	ND
25	2	309	CLA	ND
25	2	310	CLA	ND
25	2	311	CLA	ND
25	2	312	CLA	ND
25	2	313	CLA	ND
25	2	314	CLA	ND
25	3	301	CLA	ND
25	3	302	CLA	ND
25	3	303	CLA	ND
25	3	304	CLA	ND
25	3	305	CLA	ND
25	3	307	CLA	ND
25	3	308	CLA	ND
25	3	309	CLA	ND
25	3	310	CLA	ND
25	3	311	CLA	ND
25	3	312	CLA	ND
25	3	313	CLA	ND
25	3	314	CLA	ND
25	3	320	CLA	ND
25	4	301	CLA	ND
25	4	302	CLA	ND
25	4	303	CLA	ND
25	4	307	CLA	ND
25	4	308	CLA	ND
25	4	309	CLA	ND
25	4	310	CLA	ND
25	4	311	CLA	ND
25	4	312	CLA	ND
25	4	313	CLA	ND
25	5	302	CLA	ND
25	5	304	CLA	ND
25	5	305	CLA	ND
25	5	306	CLA	ND
25	5	309	CLA	ND
25	5	310	CLA	ND
25	5	311	CLA	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
25	5	312	CLA	ND
25	5	313	CLA	ND
25	5	314	CLA	ND
25	5	315	CLA	ND
25	5	316	CLA	ND
25	5	324	CLA	ND
25	6	601	CLA	ND
25	6	603	CLA	ND
25	6	604	CLA	ND
25	6	605	CLA	ND
25	6	609	CLA	ND
25	6	610	CLA	ND
25	6	611	CLA	ND
25	6	612	CLA	ND
25	6	613	CLA	ND
25	6	614	CLA	ND
25	6	615	CLA	ND
25	6	616	CLA	ND
25	6	620	CLA	ND
25	6	623	CLA	ND
25	7	301	CLA	ND
25	7	302	CLA	ND
25	7	303	CLA	ND
25	7	304	CLA	ND
25	7	306	CLA	ND
25	7	307	CLA	ND
25	7	308	CLA	ND
25	7	309	CLA	ND
25	7	310	CLA	ND
25	7	311	CLA	ND
25	7	312	CLA	ND
25	7	313	CLA	ND
25	8	302	CLA	ND
25	8	303	CLA	ND
25	8	304	CLA	ND
25	8	305	CLA	ND
25	8	306	CLA	ND
25	8	308	CLA	ND
25	8	309	CLA	ND
25	8	310	CLA	ND
25	8	311	CLA	ND
25	8	312	CLA	ND

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atom
25	8	313	CLA	ND
25	8	314	CLA	ND
25	8	315	CLA	ND
25	9	301	CLA	ND
25	9	302	CLA	ND
25	9	303	CLA	ND
25	9	304	CLA	ND
25	9	305	CLA	ND
25	9	308	CLA	ND
25	9	309	CLA	ND
25	9	310	CLA	ND
25	9	311	CLA	ND
25	a	301	CLA	ND
25	a	302	CLA	ND
25	a	303	CLA	ND
25	a	304	CLA	ND
25	a	306	CLA	ND
25	a	307	CLA	ND
25	a	308	CLA	ND
25	a	309	CLA	ND
25	a	310	CLA	ND
25	a	311	CLA	ND
25	a	312	CLA	ND
25	a	313	CLA	ND
33	P	601	CHL	NA
33	P	601	CHL	NC
33	P	601	CHL	ND
33	P	605	CHL	NA
33	P	605	CHL	NC
33	P	605	CHL	ND
33	P	606	CHL	NA
33	P	606	CHL	NC
33	P	606	CHL	ND
33	P	607	CHL	NA
33	P	607	CHL	NC
33	P	607	CHL	ND
33	P	608	CHL	NA
33	P	608	CHL	NC
33	P	608	CHL	ND
33	P	609	CHL	NA
33	P	609	CHL	NC
33	P	609	CHL	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
33	P	619	CHL	NA
33	P	619	CHL	NC
33	P	619	CHL	ND
33	P	622	CHL	NA
33	P	622	CHL	NC
33	P	622	CHL	ND
33	Q	601	CHL	NA
33	Q	601	CHL	NC
33	Q	601	CHL	ND
33	Q	605	CHL	NA
33	Q	605	CHL	NC
33	Q	605	CHL	ND
33	Q	606	CHL	NA
33	Q	606	CHL	NC
33	Q	606	CHL	ND
33	Q	607	CHL	NA
33	Q	607	CHL	NC
33	Q	607	CHL	ND
33	Q	608	CHL	NA
33	Q	608	CHL	NC
33	Q	608	CHL	ND
33	R	601	CHL	NA
33	R	601	CHL	NC
33	R	601	CHL	ND
33	R	605	CHL	NA
33	R	605	CHL	NC
33	R	605	CHL	ND
33	R	606	CHL	NA
33	R	606	CHL	NC
33	R	606	CHL	ND
33	R	607	CHL	NA
33	R	607	CHL	NC
33	R	607	CHL	ND
33	R	608	CHL	NA
33	R	608	CHL	NC
33	R	608	CHL	ND
33	R	609	CHL	NA
33	R	609	CHL	NC
33	R	609	CHL	ND
33	S	302	CHL	NA
33	S	302	CHL	NC
33	S	302	CHL	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
33	S	306	CHL	NA
33	S	306	CHL	NC
33	S	306	CHL	ND
33	S	307	CHL	NA
33	S	307	CHL	NC
33	S	307	CHL	ND
33	S	308	CHL	NA
33	S	308	CHL	NC
33	S	308	CHL	ND
33	S	309	CHL	NA
33	S	309	CHL	NC
33	S	309	CHL	ND
33	S	310	CHL	NA
33	S	310	CHL	NC
33	S	310	CHL	ND
33	S	321	CHL	NA
33	S	321	CHL	NC
33	S	321	CHL	ND
33	T	601	CHL	NA
33	T	601	CHL	NC
33	T	601	CHL	ND
33	T	604	CHL	NA
33	T	604	CHL	NC
33	T	604	CHL	ND
33	T	605	CHL	NA
33	T	605	CHL	NC
33	T	605	CHL	ND
33	T	606	CHL	NA
33	T	606	CHL	NC
33	T	606	CHL	ND
33	T	607	CHL	NA
33	T	607	CHL	NC
33	T	607	CHL	ND
33	U	305	CHL	NA
33	U	305	CHL	NC
33	U	305	CHL	ND
33	U	306	CHL	NA
33	U	306	CHL	NC
33	U	306	CHL	ND
33	U	307	CHL	NA
33	U	307	CHL	NC
33	U	307	CHL	ND

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
33	U	308	CHL	NA
33	U	308	CHL	NC
33	U	308	CHL	ND
33	U	309	CHL	NA
33	U	309	CHL	NC
33	U	309	CHL	ND
33	1	601	CHL	NA
33	1	601	CHL	NC
33	1	601	CHL	ND
33	1	606	CHL	NA
33	1	606	CHL	NC
33	1	606	CHL	ND
33	3	306	CHL	NA
33	3	306	CHL	NC
33	3	306	CHL	ND
33	4	304	CHL	NA
33	4	304	CHL	NC
33	4	304	CHL	ND
33	4	305	CHL	NA
33	4	305	CHL	NC
33	4	305	CHL	ND
33	4	306	CHL	NA
33	4	306	CHL	NC
33	4	306	CHL	ND
33	4	314	CHL	NA
33	4	314	CHL	NC
33	4	314	CHL	ND
33	4	322	CHL	NA
33	4	322	CHL	NC
33	4	322	CHL	ND
33	5	307	CHL	NA
33	5	307	CHL	NC
33	5	307	CHL	ND
33	5	308	CHL	NA
33	5	308	CHL	NC
33	5	308	CHL	ND
33	5	317	CHL	NA
33	5	317	CHL	NC
33	5	317	CHL	ND
33	6	606	CHL	NA
33	6	606	CHL	NC
33	6	606	CHL	ND

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atom
33	6	607	CHL	NA
33	6	607	CHL	NC
33	6	607	CHL	ND
33	6	608	CHL	NA
33	6	608	CHL	NC
33	6	608	CHL	ND
33	6	617	CHL	NA
33	6	617	CHL	NC
33	6	617	CHL	ND
33	7	305	CHL	NA
33	7	305	CHL	NC
33	7	305	CHL	ND
33	8	307	CHL	NA
33	8	307	CHL	NC
33	8	307	CHL	ND
33	9	306	CHL	NA
33	9	306	CHL	NC
33	9	306	CHL	ND
33	9	307	CHL	NA
33	9	307	CHL	NC
33	9	307	CHL	ND
33	a	305	CHL	NA
33	a	305	CHL	NC
33	a	305	CHL	ND

All (3566) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
25	A	801	CLA	CBD-CGD-O2D-CED
25	A	804	CLA	CAD-CBD-CGD-O1D
25	A	804	CLA	CAD-CBD-CGD-O2D
25	A	806	CLA	CHA-CBD-CGD-O1D
25	A	806	CLA	CHA-CBD-CGD-O2D
25	A	808	CLA	C2-C3-C5-C6
25	A	808	CLA	C4-C3-C5-C6
25	A	809	CLA	C3A-C2A-CAA-CBA
25	A	809	CLA	CHA-CBD-CGD-O2D
25	A	810	CLA	CBD-CGD-O2D-CED
25	A	815	CLA	CHA-CBD-CGD-O1D
25	A	815	CLA	CHA-CBD-CGD-O2D
25	A	815	CLA	CAD-CBD-CGD-O1D
25	A	815	CLA	CAD-CBD-CGD-O2D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	816	CLA	CHA-CBD-CGD-O1D
25	A	816	CLA	CHA-CBD-CGD-O2D
25	A	818	CLA	CHA-CBD-CGD-O1D
25	A	818	CLA	CHA-CBD-CGD-O2D
25	A	819	CLA	C1A-C2A-CAA-CBA
25	A	819	CLA	C3A-C2A-CAA-CBA
25	A	820	CLA	C1A-C2A-CAA-CBA
25	A	820	CLA	C3A-C2A-CAA-CBA
25	A	823	CLA	C3A-C2A-CAA-CBA
25	A	823	CLA	CHA-CBD-CGD-O1D
25	A	823	CLA	CHA-CBD-CGD-O2D
25	A	824	CLA	CHA-CBD-CGD-O1D
25	A	824	CLA	CHA-CBD-CGD-O2D
25	A	825	CLA	CHA-CBD-CGD-O1D
25	A	825	CLA	CHA-CBD-CGD-O2D
25	A	828	CLA	C1A-C2A-CAA-CBA
25	A	828	CLA	C3A-C2A-CAA-CBA
25	A	828	CLA	CHA-CBD-CGD-O1D
25	A	828	CLA	CHA-CBD-CGD-O2D
25	A	828	CLA	CBD-CGD-O2D-CED
25	A	831	CLA	C1A-C2A-CAA-CBA
25	A	831	CLA	C3A-C2A-CAA-CBA
25	A	831	CLA	CHA-CBD-CGD-O1D
25	A	831	CLA	CHA-CBD-CGD-O2D
25	A	831	CLA	CAD-CBD-CGD-O1D
25	A	834	CLA	C1A-C2A-CAA-CBA
25	A	834	CLA	CAD-CBD-CGD-O2D
25	A	836	CLA	C2-C3-C5-C6
25	A	836	CLA	C4-C3-C5-C6
25	A	838	CLA	CHA-CBD-CGD-O1D
25	A	838	CLA	CHA-CBD-CGD-O2D
25	A	839	CLA	C2-C3-C5-C6
25	A	839	CLA	C4-C3-C5-C6
25	A	853	CLA	CHA-CBD-CGD-O1D
25	A	853	CLA	CHA-CBD-CGD-O2D
25	B	801	CLA	CHA-CBD-CGD-O1D
25	B	801	CLA	CHA-CBD-CGD-O2D
25	B	801	CLA	CBD-CGD-O2D-CED
25	B	802	CLA	CBD-CGD-O2D-CED
25	B	803	CLA	CHA-CBD-CGD-O1D
25	B	803	CLA	CHA-CBD-CGD-O2D
25	B	804	CLA	C3A-C2A-CAA-CBA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	807	CLA	CHA-CBD-CGD-O1D
25	B	807	CLA	CHA-CBD-CGD-O2D
25	B	809	CLA	CAD-CBD-CGD-O1D
25	B	809	CLA	C11-C12-C13-C14
25	B	816	CLA	C1A-C2A-CAA-CBA
25	B	816	CLA	C3A-C2A-CAA-CBA
25	B	817	CLA	CHA-CBD-CGD-O1D
25	B	817	CLA	CHA-CBD-CGD-O2D
25	B	818	CLA	CHA-CBD-CGD-O1D
25	B	818	CLA	CHA-CBD-CGD-O2D
25	B	818	CLA	CAD-CBD-CGD-O1D
25	B	821	CLA	CBD-CGD-O2D-CED
25	B	825	CLA	C1A-C2A-CAA-CBA
25	B	825	CLA	C3A-C2A-CAA-CBA
25	B	826	CLA	C1A-C2A-CAA-CBA
25	B	826	CLA	C3A-C2A-CAA-CBA
25	B	826	CLA	CHA-CBD-CGD-O1D
25	B	826	CLA	CHA-CBD-CGD-O2D
25	B	828	CLA	C1A-C2A-CAA-CBA
25	B	828	CLA	C3A-C2A-CAA-CBA
25	B	832	CLA	C1A-C2A-CAA-CBA
25	B	832	CLA	C3A-C2A-CAA-CBA
25	B	832	CLA	CBD-CGD-O2D-CED
25	B	833	CLA	CHA-CBD-CGD-O1D
25	B	833	CLA	CHA-CBD-CGD-O2D
25	B	833	CLA	CAD-CBD-CGD-O1D
25	B	833	CLA	CAD-CBD-CGD-O2D
25	B	834	CLA	CHA-CBD-CGD-O1D
25	B	834	CLA	CHA-CBD-CGD-O2D
25	B	834	CLA	CAD-CBD-CGD-O1D
25	B	837	CLA	C2A-CAA-CBA-CGA
25	B	849	CLA	C1A-C2A-CAA-CBA
25	F	802	CLA	CBD-CGD-O2D-CED
25	G	201	CLA	CHA-CBD-CGD-O1D
25	G	201	CLA	CHA-CBD-CGD-O2D
25	H	201	CLA	C1A-C2A-CAA-CBA
25	H	201	CLA	C3A-C2A-CAA-CBA
25	H	202	CLA	CBD-CGD-O2D-CED
25	H	202	CLA	O1D-CGD-O2D-CED
25	H	203	CLA	C1A-C2A-CAA-CBA
25	J	103	CLA	C3A-C2A-CAA-CBA
25	J	105	CLA	CHA-CBD-CGD-O1D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	J	105	CLA	CHA-CBD-CGD-O2D
25	J	105	CLA	CAD-CBD-CGD-O1D
25	K	204	CLA	CBD-CGD-O2D-CED
25	K	205	CLA	C2A-CAA-CBA-CGA
25	L	202	CLA	CHA-CBD-CGD-O1D
25	L	202	CLA	CHA-CBD-CGD-O2D
25	L	202	CLA	C4-C3-C5-C6
25	L	206	CLA	C1A-C2A-CAA-CBA
25	L	206	CLA	C3A-C2A-CAA-CBA
25	O	201	CLA	CHA-CBD-CGD-O1D
25	O	201	CLA	CHA-CBD-CGD-O2D
25	O	201	CLA	CAD-CBD-CGD-O1D
25	O	201	CLA	CBD-CGD-O2D-CED
25	P	610	CLA	CBD-CGD-O2D-CED
25	P	611	CLA	CBD-CGD-O2D-CED
25	P	611	CLA	O1D-CGD-O2D-CED
25	Q	613	CLA	CAD-CBD-CGD-O1D
25	Q	613	CLA	CAD-CBD-CGD-O2D
25	R	610	CLA	CBD-CGD-O2D-CED
25	R	614	CLA	CAD-CBD-CGD-O1D
25	R	614	CLA	CAD-CBD-CGD-O2D
25	S	301	CLA	CAD-CBD-CGD-O1D
25	S	301	CLA	CAD-CBD-CGD-O2D
25	S	305	CLA	C1A-C2A-CAA-CBA
25	S	305	CLA	C3A-C2A-CAA-CBA
25	S	313	CLA	CBD-CGD-O2D-CED
25	S	315	CLA	CAD-CBD-CGD-O1D
25	S	315	CLA	CAD-CBD-CGD-O2D
25	T	608	CLA	CBD-CGD-O2D-CED
25	T	609	CLA	C1A-C2A-CAA-CBA
25	T	609	CLA	C3A-C2A-CAA-CBA
25	T	612	CLA	CAD-CBD-CGD-O1D
25	T	612	CLA	CAD-CBD-CGD-O2D
25	U	313	CLA	CAD-CBD-CGD-O1D
25	U	313	CLA	CAD-CBD-CGD-O2D
25	1	602	CLA	CBD-CGD-O2D-CED
25	1	603	CLA	C2-C3-C5-C6
25	1	603	CLA	C4-C3-C5-C6
25	1	605	CLA	C3-C5-C6-C7
25	1	608	CLA	C3A-C2A-CAA-CBA
25	1	610	CLA	CBD-CGD-O2D-CED
25	1	612	CLA	CBD-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	1	614	CLA	CHA-CBD-CGD-O1D
25	1	614	CLA	CHA-CBD-CGD-O2D
25	2	302	CLA	C3A-C2A-CAA-CBA
25	2	302	CLA	CHA-CBD-CGD-O1D
25	2	302	CLA	CHA-CBD-CGD-O2D
25	2	302	CLA	CAD-CBD-CGD-O1D
25	2	302	CLA	CAD-CBD-CGD-O2D
25	2	307	CLA	C1A-C2A-CAA-CBA
25	2	307	CLA	C3A-C2A-CAA-CBA
25	2	308	CLA	CBD-CGD-O2D-CED
25	2	309	CLA	C2-C3-C5-C6
25	2	309	CLA	C4-C3-C5-C6
25	2	310	CLA	CBD-CGD-O2D-CED
25	2	313	CLA	C1A-C2A-CAA-CBA
25	3	302	CLA	CBD-CGD-O2D-CED
25	3	303	CLA	C1A-C2A-CAA-CBA
25	3	303	CLA	C3A-C2A-CAA-CBA
25	3	305	CLA	C11-C10-C8-C9
25	3	309	CLA	CHA-CBD-CGD-O1D
25	3	309	CLA	CHA-CBD-CGD-O2D
25	3	320	CLA	C2-C3-C5-C6
25	3	320	CLA	C4-C3-C5-C6
25	4	307	CLA	C1A-C2A-CAA-CBA
25	4	309	CLA	CBD-CGD-O2D-CED
25	4	309	CLA	C2-C3-C5-C6
25	4	309	CLA	C4-C3-C5-C6
25	4	311	CLA	C1A-C2A-CAA-CBA
25	4	311	CLA	C3A-C2A-CAA-CBA
25	4	311	CLA	CHA-CBD-CGD-O1D
25	4	311	CLA	CHA-CBD-CGD-O2D
25	5	302	CLA	C2A-CAA-CBA-CGA
25	5	309	CLA	C1A-C2A-CAA-CBA
25	5	309	CLA	C3A-C2A-CAA-CBA
25	5	312	CLA	C3-C5-C6-C7
25	5	315	CLA	CBD-CGD-O2D-CED
25	5	316	CLA	CHA-CBD-CGD-O1D
25	5	316	CLA	CHA-CBD-CGD-O2D
25	5	319	CLA	C2A-CAA-CBA-CGA
25	5	319	CLA	CHA-CBD-CGD-O1D
25	5	319	CLA	CHA-CBD-CGD-O2D
25	5	324	CLA	CHA-CBD-CGD-O1D
25	5	324	CLA	CHA-CBD-CGD-O2D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	5	324	CLA	CAD-CBD-CGD-O1D
25	5	324	CLA	CAD-CBD-CGD-O2D
25	6	601	CLA	CHA-CBD-CGD-O1D
25	6	601	CLA	CHA-CBD-CGD-O2D
25	6	601	CLA	CAD-CBD-CGD-O1D
25	6	603	CLA	CBD-CGD-O2D-CED
25	6	609	CLA	C1A-C2A-CAA-CBA
25	6	610	CLA	CBD-CGD-O2D-CED
25	6	610	CLA	C2-C3-C5-C6
25	6	610	CLA	C4-C3-C5-C6
25	6	611	CLA	C2-C3-C5-C6
25	6	611	CLA	C4-C3-C5-C6
25	6	612	CLA	C3-C5-C6-C7
25	6	615	CLA	C1A-C2A-CAA-CBA
25	6	615	CLA	C3A-C2A-CAA-CBA
25	6	616	CLA	CHA-CBD-CGD-O1D
25	6	616	CLA	CHA-CBD-CGD-O2D
25	6	620	CLA	C1A-C2A-CAA-CBA
25	6	620	CLA	C3A-C2A-CAA-CBA
25	6	620	CLA	CHA-CBD-CGD-O1D
25	6	620	CLA	CHA-CBD-CGD-O2D
25	6	620	CLA	CAD-CBD-CGD-O1D
25	6	620	CLA	CAD-CBD-CGD-O2D
25	6	623	CLA	O1A-CGA-O2A-C1
25	6	623	CLA	CHA-CBD-CGD-O1D
25	6	623	CLA	CHA-CBD-CGD-O2D
25	7	304	CLA	CHA-CBD-CGD-O1D
25	7	304	CLA	CHA-CBD-CGD-O2D
25	7	304	CLA	CAD-CBD-CGD-O1D
25	7	307	CLA	C1A-C2A-CAA-CBA
25	7	310	CLA	C3-C5-C6-C7
25	7	311	CLA	CHA-CBD-CGD-O1D
25	7	311	CLA	CHA-CBD-CGD-O2D
25	8	302	CLA	CHA-CBD-CGD-O1D
25	8	302	CLA	CHA-CBD-CGD-O2D
25	8	302	CLA	CAD-CBD-CGD-O1D
25	8	302	CLA	CAD-CBD-CGD-O2D
25	8	308	CLA	C1A-C2A-CAA-CBA
25	8	309	CLA	C1A-C2A-CAA-CBA
25	8	309	CLA	C3A-C2A-CAA-CBA
25	8	315	CLA	CHA-CBD-CGD-O1D
25	8	315	CLA	CHA-CBD-CGD-O2D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	9	302	CLA	CHA-CBD-CGD-O1D
25	9	302	CLA	CHA-CBD-CGD-O2D
25	9	302	CLA	CAD-CBD-CGD-O1D
25	9	302	CLA	CBD-CGD-O2D-CED
25	9	303	CLA	C2-C3-C5-C6
25	9	303	CLA	C4-C3-C5-C6
25	9	308	CLA	C1A-C2A-CAA-CBA
25	9	308	CLA	C3A-C2A-CAA-CBA
25	a	301	CLA	CBD-CGD-O2D-CED
25	a	302	CLA	C2-C3-C5-C6
25	a	302	CLA	C4-C3-C5-C6
25	a	303	CLA	O1A-CGA-O2A-C1
25	a	303	CLA	O2A-C1-C2-C3
25	a	304	CLA	C3-C5-C6-C7
25	a	306	CLA	CBD-CGD-O2D-CED
25	a	307	CLA	C3A-C2A-CAA-CBA
25	a	309	CLA	CBD-CGD-O2D-CED
25	a	311	CLA	CBD-CGD-O2D-CED
25	a	313	CLA	CHA-CBD-CGD-O1D
25	a	313	CLA	CHA-CBD-CGD-O2D
27	A	843	LHG	C3-O3-P-O5
27	A	843	LHG	C4-O6-P-O4
27	A	844	LHG	C3-O3-P-O5
27	A	844	LHG	C3-O3-P-O6
27	A	844	LHG	C4-O6-P-O3
27	A	844	LHG	C4-O6-P-O4
27	A	844	LHG	C4-O6-P-O5
27	A	852	LHG	C3-O3-P-O4
27	A	852	LHG	C3-O3-P-O5
27	A	852	LHG	C3-O3-P-O6
27	A	852	LHG	C4-O6-P-O4
27	A	852	LHG	O9-C7-O7-C5
27	A	852	LHG	C8-C7-O7-C5
27	B	847	LHG	O1-C1-C2-C3
27	B	847	LHG	C4-O6-P-O4
27	B	847	LHG	O7-C5-C6-O8
27	B	847	LHG	C8-C7-O7-C5
27	P	618	LHG	C4-O6-P-O5
27	P	624	LHG	C4-O6-P-O5
27	Q	617	LHG	C4-O6-P-O5
27	R	618	LHG	C4-O6-P-O5
27	T	617	LHG	C4-O6-P-O5

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	1	618	LHG	C24-C23-O8-C6
27	2	317	LHG	C4-O6-P-O5
27	4	318	LHG	C1-C2-C3-O3
27	4	318	LHG	O2-C2-C3-O3
27	4	319	LHG	C4-O6-P-O5
27	5	301	LHG	C3-O3-P-O4
27	5	301	LHG	C3-O3-P-O5
27	5	301	LHG	C3-O3-P-O6
27	5	321	LHG	C3-O3-P-O5
27	5	321	LHG	C4-O6-P-O3
27	5	321	LHG	C4-O6-P-O4
27	6	618	LHG	C4-O6-P-O3
27	7	317	LHG	C4-O6-P-O3
27	7	317	LHG	C4-O6-P-O4
27	7	317	LHG	C4-O6-P-O5
27	8	319	LHG	C3-O3-P-O6
27	a	317	LHG	C24-C23-O8-C6
28	A	845	BCR	C1-C6-C7-C8
28	A	848	BCR	C7-C8-C9-C10
28	A	848	BCR	C7-C8-C9-C34
28	A	848	BCR	C37-C22-C23-C24
28	A	849	BCR	C7-C8-C9-C10
28	A	849	BCR	C7-C8-C9-C34
28	A	854	BCR	C21-C22-C23-C24
28	A	854	BCR	C37-C22-C23-C24
28	B	840	BCR	C7-C8-C9-C34
28	B	841	BCR	C7-C8-C9-C10
28	B	841	BCR	C7-C8-C9-C34
28	B	843	BCR	C1-C6-C7-C8
28	B	844	BCR	C21-C22-C23-C24
28	B	844	BCR	C37-C22-C23-C24
28	B	845	BCR	C21-C22-C23-C24
28	B	845	BCR	C37-C22-C23-C24
28	F	801	BCR	C17-C18-C19-C20
28	F	801	BCR	C36-C18-C19-C20
28	I	201	BCR	C17-C18-C19-C20
28	I	201	BCR	C36-C18-C19-C20
28	I	201	BCR	C21-C22-C23-C24
28	I	201	BCR	C37-C22-C23-C24
28	J	101	BCR	C23-C24-C25-C26
28	J	101	BCR	C23-C24-C25-C30
28	J	106	BCR	C7-C8-C9-C10

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
28	J	106	BCR	C7-C8-C9-C34
28	J	106	BCR	C17-C18-C19-C20
28	J	106	BCR	C36-C18-C19-C20
28	K	206	BCR	C19-C20-C21-C22
28	L	203	BCR	C9-C10-C11-C12
28	L	204	BCR	C36-C18-C19-C20
28	L	207	BCR	C36-C18-C19-C20
28	L	207	BCR	C21-C22-C23-C24
28	L	207	BCR	C37-C22-C23-C24
28	L	207	BCR	C23-C24-C25-C26
28	L	207	BCR	C23-C24-C25-C30
28	O	205	BCR	C23-C24-C25-C26
28	3	317	BCR	C21-C22-C23-C24
28	3	317	BCR	C37-C22-C23-C24
28	3	318	BCR	C5-C6-C7-C8
28	3	318	BCR	C21-C22-C23-C24
28	3	318	BCR	C37-C22-C23-C24
28	4	317	BCR	C11-C12-C13-C14
28	4	317	BCR	C11-C12-C13-C35
28	4	321	BCR	C1-C6-C7-C8
28	4	321	BCR	C5-C6-C7-C8
28	4	321	BCR	C11-C12-C13-C14
28	4	321	BCR	C11-C12-C13-C35
28	5	320	BCR	C1-C6-C7-C8
28	5	320	BCR	C23-C24-C25-C30
28	5	323	BCR	C11-C12-C13-C14
28	5	323	BCR	C11-C12-C13-C35
28	5	323	BCR	C17-C18-C19-C20
28	5	323	BCR	C36-C18-C19-C20
28	5	323	BCR	C21-C22-C23-C24
28	5	323	BCR	C37-C22-C23-C24
28	6	621	BCR	C5-C6-C7-C8
28	7	316	BCR	C23-C24-C25-C30
28	8	318	BCR	C36-C18-C19-C20
30	B	846	DGD	C2B-C1B-O2G-C2G
30	B	846	DGD	O6D-C1D-O3G-C3G
31	B	850	SQD	C2-C1-O6-C44
31	B	850	SQD	O5-C1-O6-C44
32	J	102	LMG	O7-C8-C9-O8
32	J	104	LMG	C11-C10-O7-C8
32	1	619	LMG	C11-C10-O7-C8
32	6	602	LMG	C11-C10-O7-C8

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
32	7	318	LMG	C11-C10-O7-C8
32	7	319	LMG	O6-C1-O1-C7
33	P	601	CHL	C3C-C2C-CMC-OMC
33	P	606	CHL	C3C-C2C-CMC-OMC
33	P	607	CHL	C3C-C2C-CMC-OMC
33	P	608	CHL	C1A-C2A-CAA-CBA
33	P	609	CHL	C1A-C2A-CAA-CBA
33	P	609	CHL	C3A-C2A-CAA-CBA
33	P	609	CHL	C11-C10-C8-C9
33	P	619	CHL	C3C-C2C-CMC-OMC
33	P	622	CHL	C1C-C2C-CMC-OMC
33	P	622	CHL	C3C-C2C-CMC-OMC
33	Q	601	CHL	C3C-C2C-CMC-OMC
33	Q	606	CHL	C3C-C2C-CMC-OMC
33	Q	607	CHL	C1A-C2A-CAA-CBA
33	Q	608	CHL	C1A-C2A-CAA-CBA
33	Q	608	CHL	C3A-C2A-CAA-CBA
33	Q	608	CHL	C11-C10-C8-C9
33	R	601	CHL	C3C-C2C-CMC-OMC
33	R	606	CHL	C3C-C2C-CMC-OMC
33	R	607	CHL	C3C-C2C-CMC-OMC
33	R	608	CHL	C1A-C2A-CAA-CBA
33	R	609	CHL	C1A-C2A-CAA-CBA
33	R	609	CHL	C3A-C2A-CAA-CBA
33	R	609	CHL	C11-C10-C8-C9
33	S	302	CHL	C3A-C2A-CAA-CBA
33	S	302	CHL	C2A-CAA-CBA-CGA
33	S	302	CHL	C1C-C2C-CMC-OMC
33	S	302	CHL	C3C-C2C-CMC-OMC
33	S	302	CHL	C4-C3-C5-C6
33	S	306	CHL	C3C-C2C-CMC-OMC
33	S	307	CHL	C1C-C2C-CMC-OMC
33	S	307	CHL	C3C-C2C-CMC-OMC
33	S	308	CHL	C2A-CAA-CBA-CGA
33	S	308	CHL	CHA-CBD-CGD-O1D
33	S	308	CHL	CHA-CBD-CGD-O2D
33	S	310	CHL	C3C-C2C-CMC-OMC
33	S	321	CHL	C3C-C2C-CMC-OMC
33	T	601	CHL	C3C-C2C-CMC-OMC
33	T	605	CHL	C3C-C2C-CMC-OMC
33	T	606	CHL	C1A-C2A-CAA-CBA
33	U	305	CHL	C1A-C2A-CAA-CBA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	U	305	CHL	C3A-C2A-CAA-CBA
33	U	306	CHL	C3C-C2C-CMC-OMC
33	U	307	CHL	C3C-C2C-CMC-OMC
33	U	307	CHL	C3-C5-C6-C7
33	U	308	CHL	C1A-C2A-CAA-CBA
33	1	606	CHL	C3C-C2C-CMC-OMC
33	1	606	CHL	CBD-CGD-O2D-CED
33	3	306	CHL	CBD-CGD-O2D-CED
33	4	314	CHL	C3C-C2C-CMC-OMC
33	5	307	CHL	C1C-C2C-CMC-OMC
33	5	307	CHL	C3C-C2C-CMC-OMC
33	5	308	CHL	C1A-C2A-CAA-CBA
33	5	308	CHL	C3A-C2A-CAA-CBA
33	6	607	CHL	C1C-C2C-CMC-OMC
33	6	607	CHL	C3C-C2C-CMC-OMC
33	6	607	CHL	CBD-CGD-O2D-CED
33	6	608	CHL	C1C-C2C-CMC-OMC
33	6	608	CHL	C3C-C2C-CMC-OMC
33	6	608	CHL	CBD-CGD-O2D-CED
33	6	617	CHL	C3C-C2C-CMC-OMC
33	7	305	CHL	C1C-C2C-CMC-OMC
33	7	305	CHL	C3C-C2C-CMC-OMC
33	8	307	CHL	C1C-C2C-CMC-OMC
33	8	307	CHL	C3C-C2C-CMC-OMC
33	9	306	CHL	C3C-C2C-CMC-OMC
33	9	306	CHL	CBD-CGD-O2D-CED
33	9	307	CHL	C3C-C2C-CMC-OMC
33	a	305	CHL	C3C-C2C-CMC-OMC
33	a	305	CHL	CBD-CGD-O2D-CED
34	P	615	LUT	C1-C6-C7-C8
34	R	616	LUT	C1-C6-C7-C8
34	S	317	LUT	C7-C8-C9-C19
34	S	317	LUT	C31-C32-C33-C40
34	U	315	LUT	C1-C6-C7-C8
34	1	616	LUT	C1-C6-C7-C8
34	1	616	LUT	C7-C8-C9-C10
34	1	616	LUT	C7-C8-C9-C19
34	1	617	LUT	C7-C8-C9-C10
34	1	617	LUT	C7-C8-C9-C19
34	1	617	LUT	C27-C28-C29-C30
34	1	617	LUT	C27-C28-C29-C39
34	2	315	LUT	C7-C8-C9-C10

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
34	2	315	LUT	C7-C8-C9-C19
34	2	315	LUT	C31-C32-C33-C34
34	2	315	LUT	C31-C32-C33-C40
34	4	316	LUT	C1-C6-C7-C8
34	a	315	LUT	C1-C6-C7-C8
34	a	315	LUT	C7-C8-C9-C10
34	a	315	LUT	C7-C8-C9-C19
34	a	316	LUT	C1-C6-C7-C8
34	a	316	LUT	C5-C6-C7-C8
34	a	316	LUT	C7-C8-C9-C10
34	a	316	LUT	C7-C8-C9-C19
34	a	316	LUT	C27-C28-C29-C30
34	a	316	LUT	C27-C28-C29-C39
35	P	616	XAT	C7-C8-C9-C19
35	P	620	XAT	C7-C8-C9-C19
35	S	318	XAT	C7-C8-C9-C19
35	S	318	XAT	C31-C32-C33-C34
35	S	318	XAT	C31-C32-C33-C40
36	P	621	NEX	C7-C8-C9-C19
36	P	621	NEX	C11-C12-C13-C14
36	P	621	NEX	C11-C12-C13-C20
36	P	621	NEX	O24-C26-C27-C28
36	P	621	NEX	C33-C34-C35-C15
25	A	801	CLA	O1D-CGD-O2D-CED
25	B	802	CLA	O1D-CGD-O2D-CED
25	P	610	CLA	O1D-CGD-O2D-CED
25	Q	609	CLA	O1D-CGD-O2D-CED
25	R	610	CLA	O1D-CGD-O2D-CED
25	T	608	CLA	O1D-CGD-O2D-CED
25	U	310	CLA	O1D-CGD-O2D-CED
25	2	303	CLA	O1D-CGD-O2D-CED
25	5	315	CLA	O1D-CGD-O2D-CED
25	7	303	CLA	O1D-CGD-O2D-CED
25	8	306	CLA	O1D-CGD-O2D-CED
33	P	608	CHL	O1D-CGD-O2D-CED
33	Q	607	CHL	O1D-CGD-O2D-CED
33	R	608	CHL	O1D-CGD-O2D-CED
33	T	606	CHL	O1D-CGD-O2D-CED
33	U	308	CHL	O1D-CGD-O2D-CED
33	4	306	CHL	O1D-CGD-O2D-CED
25	P	612	CLA	C8-C10-C11-C12
25	R	612	CLA	C8-C10-C11-C12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	P	609	CHL	C15-C16-C17-C18
33	Q	608	CHL	C15-C16-C17-C18
33	R	609	CHL	C15-C16-C17-C18
25	A	828	CLA	O1D-CGD-O2D-CED
25	A	853	CLA	O1D-CGD-O2D-CED
25	B	809	CLA	O1D-CGD-O2D-CED
25	F	802	CLA	O1D-CGD-O2D-CED
25	2	308	CLA	O1D-CGD-O2D-CED
25	2	309	CLA	O1D-CGD-O2D-CED
33	1	606	CHL	O1D-CGD-O2D-CED
33	a	305	CHL	O1D-CGD-O2D-CED
25	A	811	CLA	CBD-CGD-O2D-CED
25	A	834	CLA	CBD-CGD-O2D-CED
25	A	842	CLA	CBD-CGD-O2D-CED
25	A	853	CLA	CBD-CGD-O2D-CED
25	B	809	CLA	CBD-CGD-O2D-CED
25	B	812	CLA	CBD-CGD-O2D-CED
25	H	205	CLA	CBD-CGD-O2D-CED
25	J	103	CLA	CBD-CGD-O2D-CED
25	J	105	CLA	CBD-CGD-O2D-CED
25	K	201	CLA	CBD-CGD-O2D-CED
25	Q	609	CLA	CBD-CGD-O2D-CED
25	R	602	CLA	CBD-CGD-O2D-CED
25	S	303	CLA	CBD-CGD-O2D-CED
25	S	304	CLA	CBD-CGD-O2D-CED
25	S	311	CLA	CBD-CGD-O2D-CED
25	S	312	CLA	CBD-CGD-O2D-CED
25	S	315	CLA	CBD-CGD-O2D-CED
25	U	310	CLA	CBD-CGD-O2D-CED
25	1	607	CLA	CBD-CGD-O2D-CED
25	2	302	CLA	CBD-CGD-O2D-CED
25	2	303	CLA	CBD-CGD-O2D-CED
25	2	306	CLA	CBD-CGD-O2D-CED
25	2	309	CLA	CBD-CGD-O2D-CED
25	2	311	CLA	CBD-CGD-O2D-CED
25	2	313	CLA	CBD-CGD-O2D-CED
25	4	301	CLA	CBD-CGD-O2D-CED
25	4	307	CLA	CBD-CGD-O2D-CED
25	5	306	CLA	CBD-CGD-O2D-CED
25	6	614	CLA	CBD-CGD-O2D-CED
25	7	303	CLA	CBD-CGD-O2D-CED
25	7	304	CLA	CBD-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	7	306	CLA	CBD-CGD-O2D-CED
25	8	306	CLA	CBD-CGD-O2D-CED
25	8	308	CLA	CBD-CGD-O2D-CED
25	8	311	CLA	CBD-CGD-O2D-CED
25	9	304	CLA	CBD-CGD-O2D-CED
25	9	305	CLA	CBD-CGD-O2D-CED
25	a	303	CLA	CBD-CGD-O2D-CED
33	P	608	CHL	CBD-CGD-O2D-CED
33	Q	607	CHL	CBD-CGD-O2D-CED
33	R	608	CHL	CBD-CGD-O2D-CED
33	S	302	CHL	CBD-CGD-O2D-CED
33	T	606	CHL	CBD-CGD-O2D-CED
33	U	308	CHL	CBD-CGD-O2D-CED
33	4	306	CHL	CBD-CGD-O2D-CED
33	5	307	CHL	CBD-CGD-O2D-CED
33	5	308	CHL	CBD-CGD-O2D-CED
25	A	839	CLA	O1A-CGA-O2A-C1
25	Q	613	CLA	O1A-CGA-O2A-C1
27	1	618	LHG	O10-C23-O8-C6
27	a	317	LHG	O10-C23-O8-C6
32	1	619	LMG	O10-C28-O8-C9
32	4	320	LMG	O10-C28-O8-C9
32	7	319	LMG	O10-C28-O8-C9
33	P	605	CHL	O1A-CGA-O2A-C1
25	A	842	CLA	C2C-C3C-CAC-CBC
25	A	834	CLA	O1D-CGD-O2D-CED
25	K	204	CLA	O1D-CGD-O2D-CED
25	2	302	CLA	O1D-CGD-O2D-CED
25	2	311	CLA	O1D-CGD-O2D-CED
25	5	306	CLA	O1D-CGD-O2D-CED
25	7	306	CLA	O1D-CGD-O2D-CED
33	6	608	CHL	O1D-CGD-O2D-CED
25	H	201	CLA	CBA-CGA-O2A-C1
25	B	832	CLA	O1D-CGD-O2D-CED
25	S	303	CLA	O1D-CGD-O2D-CED
25	S	313	CLA	O1D-CGD-O2D-CED
25	1	602	CLA	O1D-CGD-O2D-CED
25	1	610	CLA	O1D-CGD-O2D-CED
25	1	612	CLA	O1D-CGD-O2D-CED
25	2	310	CLA	O1D-CGD-O2D-CED
25	9	302	CLA	O1D-CGD-O2D-CED
25	a	301	CLA	O1D-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	a	306	CLA	O1D-CGD-O2D-CED
25	a	311	CLA	O1D-CGD-O2D-CED
33	3	306	CHL	O1D-CGD-O2D-CED
25	A	839	CLA	CBA-CGA-O2A-C1
25	Q	613	CLA	CBA-CGA-O2A-C1
25	6	623	CLA	CBA-CGA-O2A-C1
32	1	619	LMG	C29-C28-O8-C9
32	4	320	LMG	C29-C28-O8-C9
32	7	319	LMG	C29-C28-O8-C9
25	A	812	CLA	CBD-CGD-O2D-CED
25	A	835	CLA	CBD-CGD-O2D-CED
25	B	826	CLA	CBD-CGD-O2D-CED
25	B	827	CLA	CBD-CGD-O2D-CED
25	B	838	CLA	CBD-CGD-O2D-CED
25	H	203	CLA	CBD-CGD-O2D-CED
25	L	209	CLA	CBD-CGD-O2D-CED
25	P	602	CLA	CBD-CGD-O2D-CED
25	Q	602	CLA	CBD-CGD-O2D-CED
25	T	602	CLA	CBD-CGD-O2D-CED
25	U	302	CLA	CBD-CGD-O2D-CED
25	1	604	CLA	CBD-CGD-O2D-CED
25	1	608	CLA	CBD-CGD-O2D-CED
25	1	611	CLA	CBD-CGD-O2D-CED
25	1	613	CLA	CBD-CGD-O2D-CED
25	5	314	CLA	CBD-CGD-O2D-CED
25	6	609	CLA	CBD-CGD-O2D-CED
25	7	310	CLA	CBD-CGD-O2D-CED
25	8	305	CLA	CBD-CGD-O2D-CED
25	8	312	CLA	CBD-CGD-O2D-CED
25	a	307	CLA	CBD-CGD-O2D-CED
25	a	310	CLA	CBD-CGD-O2D-CED
25	a	312	CLA	CBD-CGD-O2D-CED
33	7	305	CHL	CBD-CGD-O2D-CED
25	A	842	CLA	C4C-C3C-CAC-CBC
25	A	806	CLA	O1A-CGA-O2A-C1
25	A	816	CLA	O1A-CGA-O2A-C1
25	B	809	CLA	O1A-CGA-O2A-C1
25	B	816	CLA	O1A-CGA-O2A-C1
25	B	820	CLA	O1A-CGA-O2A-C1
25	B	831	CLA	O1A-CGA-O2A-C1
25	P	603	CLA	O1A-CGA-O2A-C1
25	Q	603	CLA	O1A-CGA-O2A-C1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	R	603	CLA	O1A-CGA-O2A-C1
25	R	614	CLA	O1A-CGA-O2A-C1
25	S	312	CLA	O1A-CGA-O2A-C1
25	S	320	CLA	O1A-CGA-O2A-C1
25	T	609	CLA	O1A-CGA-O2A-C1
25	U	303	CLA	O1A-CGA-O2A-C1
25	1	610	CLA	O1A-CGA-O2A-C1
25	a	309	CLA	O1A-CGA-O2A-C1
25	A	810	CLA	O1D-CGD-O2D-CED
25	B	801	CLA	O1D-CGD-O2D-CED
25	B	821	CLA	O1D-CGD-O2D-CED
25	O	201	CLA	O1D-CGD-O2D-CED
25	6	610	CLA	O1D-CGD-O2D-CED
25	a	309	CLA	O1D-CGD-O2D-CED
33	9	306	CHL	O1D-CGD-O2D-CED
25	4	309	CLA	O1D-CGD-O2D-CED
33	6	607	CHL	O1D-CGD-O2D-CED
25	A	829	CLA	CBD-CGD-O2D-CED
25	K	202	CLA	CBD-CGD-O2D-CED
25	Q	612	CLA	CBD-CGD-O2D-CED
25	6	623	CLA	CBD-CGD-O2D-CED
25	9	310	CLA	CBD-CGD-O2D-CED
25	Q	603	CLA	C5-C6-C7-C8
25	3	302	CLA	O1D-CGD-O2D-CED
25	6	603	CLA	O1D-CGD-O2D-CED
33	5	308	CHL	O1D-CGD-O2D-CED
27	B	847	LHG	O9-C7-O7-C5
30	B	846	DGD	O1B-C1B-O2G-C2G
32	1	619	LMG	O9-C10-O7-C8
32	6	602	LMG	O9-C10-O7-C8
32	7	318	LMG	O9-C10-O7-C8
25	A	812	CLA	C3-C5-C6-C7
25	A	830	CLA	C3-C5-C6-C7
25	A	832	CLA	C3-C5-C6-C7
25	A	840	CLA	C3-C5-C6-C7
25	A	851	CLA	C3-C5-C6-C7
25	B	805	CLA	C3-C5-C6-C7
25	B	806	CLA	C3-C5-C6-C7
25	B	807	CLA	C3-C5-C6-C7
25	B	808	CLA	C3-C5-C6-C7
25	B	813	CLA	C3-C5-C6-C7
25	B	816	CLA	C3-C5-C6-C7

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	820	CLA	C3-C5-C6-C7
25	B	838	CLA	C3-C5-C6-C7
25	L	201	CLA	C3-C5-C6-C7
25	Q	612	CLA	C3-C5-C6-C7
25	S	313	CLA	C3-C5-C6-C7
25	S	314	CLA	C3-C5-C6-C7
25	3	305	CLA	C3-C5-C6-C7
25	3	314	CLA	C3-C5-C6-C7
25	7	311	CLA	C3-C5-C6-C7
25	8	314	CLA	C3-C5-C6-C7
25	9	303	CLA	C3-C5-C6-C7
25	A	812	CLA	CBA-CGA-O2A-C1
25	A	820	CLA	CBA-CGA-O2A-C1
25	K	201	CLA	CBA-CGA-O2A-C1
25	P	603	CLA	CBA-CGA-O2A-C1
25	Q	603	CLA	CBA-CGA-O2A-C1
25	R	603	CLA	CBA-CGA-O2A-C1
25	R	614	CLA	CBA-CGA-O2A-C1
25	S	312	CLA	CBA-CGA-O2A-C1
25	S	320	CLA	CBA-CGA-O2A-C1
25	U	303	CLA	CBA-CGA-O2A-C1
25	2	312	CLA	CBA-CGA-O2A-C1
25	a	303	CLA	CBA-CGA-O2A-C1
25	1	607	CLA	O1D-CGD-O2D-CED
25	9	305	CLA	O1D-CGD-O2D-CED
33	S	302	CHL	O1D-CGD-O2D-CED
25	3	320	CLA	CBD-CGD-O2D-CED
25	5	303	CLA	CBD-CGD-O2D-CED
25	6	613	CLA	CBD-CGD-O2D-CED
25	7	301	CLA	CBD-CGD-O2D-CED
25	7	307	CLA	CBD-CGD-O2D-CED
33	4	305	CHL	CBD-CGD-O2D-CED
25	H	201	CLA	O1A-CGA-O2A-C1
25	8	305	CLA	CBA-CGA-O2A-C1
33	3	306	CHL	C3-C5-C6-C7
33	6	607	CHL	C3-C5-C6-C7
33	8	307	CHL	C3-C5-C6-C7
25	6	609	CLA	C2C-C3C-CAC-CBC
25	A	802	CLA	C4-C3-C5-C6
25	A	814	CLA	C4-C3-C5-C6
25	B	816	CLA	C4-C3-C5-C6
25	B	837	CLA	C4-C3-C5-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	802	CLA	C2-C3-C5-C6
25	L	202	CLA	C2-C3-C5-C6
33	S	302	CHL	C2-C3-C5-C6
25	A	823	CLA	CBD-CGD-O2D-CED
25	K	205	CLA	CBD-CGD-O2D-CED
25	Q	604	CLA	CBD-CGD-O2D-CED
25	T	603	CLA	CBD-CGD-O2D-CED
25	T	611	CLA	CBD-CGD-O2D-CED
25	U	312	CLA	CBD-CGD-O2D-CED
25	3	313	CLA	CBD-CGD-O2D-CED
25	4	311	CLA	CBD-CGD-O2D-CED
25	9	309	CLA	CBD-CGD-O2D-CED
25	A	809	CLA	C2A-CAA-CBA-CGA
25	A	834	CLA	C2A-CAA-CBA-CGA
25	A	851	CLA	C2A-CAA-CBA-CGA
25	B	809	CLA	C2A-CAA-CBA-CGA
25	B	822	CLA	C2A-CAA-CBA-CGA
25	B	825	CLA	C2A-CAA-CBA-CGA
25	B	832	CLA	C2A-CAA-CBA-CGA
25	F	802	CLA	C2A-CAA-CBA-CGA
25	3	305	CLA	C2A-CAA-CBA-CGA
25	5	314	CLA	C2A-CAA-CBA-CGA
33	P	605	CHL	C2A-CAA-CBA-CGA
33	R	605	CHL	C2A-CAA-CBA-CGA
33	S	306	CHL	C2A-CAA-CBA-CGA
33	U	305	CHL	C2A-CAA-CBA-CGA
33	3	306	CHL	C2A-CAA-CBA-CGA
33	8	307	CHL	C2A-CAA-CBA-CGA
25	A	828	CLA	O1A-CGA-O2A-C1
33	5	307	CHL	O1D-CGD-O2D-CED
25	A	801	CLA	C3-C5-C6-C7
25	A	853	CLA	C3-C5-C6-C7
25	P	613	CLA	C3-C5-C6-C7
25	R	613	CLA	C3-C5-C6-C7
25	T	611	CLA	C3-C5-C6-C7
25	U	312	CLA	C3-C5-C6-C7
25	8	302	CLA	C3-C5-C6-C7
25	9	301	CLA	C3-C5-C6-C7
25	9	309	CLA	C3-C5-C6-C7
25	A	806	CLA	CBA-CGA-O2A-C1
25	A	809	CLA	CBA-CGA-O2A-C1
25	A	816	CLA	CBA-CGA-O2A-C1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	818	CLA	CBA-CGA-O2A-C1
25	A	836	CLA	CBA-CGA-O2A-C1
25	B	809	CLA	CBA-CGA-O2A-C1
25	B	816	CLA	CBA-CGA-O2A-C1
25	B	820	CLA	CBA-CGA-O2A-C1
25	B	829	CLA	CBA-CGA-O2A-C1
25	B	831	CLA	CBA-CGA-O2A-C1
25	J	103	CLA	CBA-CGA-O2A-C1
25	T	609	CLA	CBA-CGA-O2A-C1
25	T	612	CLA	CBA-CGA-O2A-C1
25	1	610	CLA	CBA-CGA-O2A-C1
25	4	309	CLA	CBA-CGA-O2A-C1
25	a	309	CLA	CBA-CGA-O2A-C1
32	H	204	LMG	C29-C28-O8-C9
33	P	605	CHL	CBA-CGA-O2A-C1
33	P	622	CHL	CBA-CGA-O2A-C1
33	7	305	CHL	CBA-CGA-O2A-C1
25	6	609	CLA	C4C-C3C-CAC-CBC
25	A	811	CLA	O1D-CGD-O2D-CED
25	2	306	CLA	O1D-CGD-O2D-CED
30	B	848	DGD	C4D-C5D-C6D-O5D
25	R	613	CLA	CBD-CGD-O2D-CED
25	R	614	CLA	CBD-CGD-O2D-CED
33	9	307	CHL	CBD-CGD-O2D-CED
25	K	201	CLA	O1D-CGD-O2D-CED
25	S	312	CLA	O1D-CGD-O2D-CED
25	2	313	CLA	O1D-CGD-O2D-CED
25	4	301	CLA	O1D-CGD-O2D-CED
32	J	104	LMG	O9-C10-O7-C8
32	4	320	LMG	O9-C10-O7-C8
25	A	812	CLA	O1A-CGA-O2A-C1
25	A	818	CLA	O1A-CGA-O2A-C1
25	A	836	CLA	O1A-CGA-O2A-C1
25	B	829	CLA	O1A-CGA-O2A-C1
25	J	103	CLA	O1A-CGA-O2A-C1
25	K	201	CLA	O1A-CGA-O2A-C1
25	4	309	CLA	O1A-CGA-O2A-C1
25	8	305	CLA	O1A-CGA-O2A-C1
25	H	205	CLA	O1D-CGD-O2D-CED
25	J	105	CLA	O1D-CGD-O2D-CED
25	S	315	CLA	O1D-CGD-O2D-CED
28	L	203	BCR	C13-C14-C15-C16

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
28	O	205	BCR	C9-C10-C11-C12
28	5	320	BCR	C19-C20-C21-C22
25	A	830	CLA	CBD-CGD-O2D-CED
25	A	840	CLA	CBD-CGD-O2D-CED
25	B	805	CLA	CBD-CGD-O2D-CED
25	B	819	CLA	CBD-CGD-O2D-CED
25	P	604	CLA	CBD-CGD-O2D-CED
25	P	613	CLA	CBD-CGD-O2D-CED
25	Q	613	CLA	CBD-CGD-O2D-CED
25	S	301	CLA	CBD-CGD-O2D-CED
25	S	314	CLA	CBD-CGD-O2D-CED
25	T	612	CLA	CBD-CGD-O2D-CED
25	U	304	CLA	CBD-CGD-O2D-CED
25	U	313	CLA	CBD-CGD-O2D-CED
25	4	308	CLA	CBD-CGD-O2D-CED
25	5	304	CLA	CBD-CGD-O2D-CED
25	7	308	CLA	CBD-CGD-O2D-CED
25	9	303	CLA	CBD-CGD-O2D-CED
33	4	314	CHL	CBD-CGD-O2D-CED
33	6	606	CHL	CBD-CGD-O2D-CED
25	A	842	CLA	O1D-CGD-O2D-CED
25	J	103	CLA	O1D-CGD-O2D-CED
25	S	304	CLA	O1D-CGD-O2D-CED
25	8	308	CLA	O1D-CGD-O2D-CED
27	1	618	LHG	O2-C2-C3-O3
27	2	317	LHG	O2-C2-C3-O3
27	a	317	LHG	O2-C2-C3-O3
25	A	804	CLA	C3-C5-C6-C7
25	A	806	CLA	C3-C5-C6-C7
25	A	807	CLA	C3-C5-C6-C7
25	A	818	CLA	C3-C5-C6-C7
25	A	837	CLA	C3-C5-C6-C7
25	B	830	CLA	C3-C5-C6-C7
25	L	202	CLA	C3-C5-C6-C7
25	3	303	CLA	C3-C5-C6-C7
25	6	611	CLA	C3-C5-C6-C7
25	6	623	CLA	C3-C5-C6-C7
25	A	828	CLA	CBA-CGA-O2A-C1
33	P	601	CHL	CBA-CGA-O2A-C1
33	Q	601	CHL	CBA-CGA-O2A-C1
33	R	601	CHL	CBA-CGA-O2A-C1
33	S	302	CHL	CBA-CGA-O2A-C1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	T	601	CHL	CBA-CGA-O2A-C1
25	A	820	CLA	O1A-CGA-O2A-C1
25	2	312	CLA	O1A-CGA-O2A-C1
33	P	622	CHL	O1A-CGA-O2A-C1
25	7	304	CLA	O1D-CGD-O2D-CED
25	9	304	CLA	O1D-CGD-O2D-CED
25	R	603	CLA	C5-C6-C7-C8
25	S	320	CLA	C5-C6-C7-C8
25	U	303	CLA	C5-C6-C7-C8
32	4	320	LMG	C11-C10-O7-C8
25	2	302	CLA	CBA-CGA-O2A-C1
25	2	314	CLA	CBA-CGA-O2A-C1
25	7	313	CLA	CBA-CGA-O2A-C1
25	A	816	CLA	CBD-CGD-O2D-CED
25	A	836	CLA	CBD-CGD-O2D-CED
25	B	808	CLA	CBD-CGD-O2D-CED
25	4	303	CLA	CBD-CGD-O2D-CED
25	5	312	CLA	CBD-CGD-O2D-CED
33	P	601	CHL	CBD-CGD-O2D-CED
33	P	622	CHL	CBD-CGD-O2D-CED
33	Q	601	CHL	CBD-CGD-O2D-CED
33	R	601	CHL	CBD-CGD-O2D-CED
33	S	306	CHL	CBD-CGD-O2D-CED
33	S	310	CHL	CBD-CGD-O2D-CED
33	T	601	CHL	CBD-CGD-O2D-CED
25	P	603	CLA	C5-C6-C7-C8
25	a	303	CLA	O1D-CGD-O2D-CED
25	B	837	CLA	C2C-C3C-CAC-CBC
25	R	602	CLA	O1D-CGD-O2D-CED
25	3	312	CLA	CBD-CGD-O2D-CED
33	6	617	CHL	CBD-CGD-O2D-CED
25	A	802	CLA	C3-C5-C6-C7
25	A	814	CLA	C3-C5-C6-C7
25	T	612	CLA	O1A-CGA-O2A-C1
32	H	204	LMG	O10-C28-O8-C9
33	P	601	CHL	O1A-CGA-O2A-C1
33	Q	601	CHL	O1A-CGA-O2A-C1
33	R	601	CHL	O1A-CGA-O2A-C1
33	S	302	CHL	O1A-CGA-O2A-C1
33	T	601	CHL	O1A-CGA-O2A-C1
33	7	305	CHL	O1A-CGA-O2A-C1
25	A	818	CLA	C4-C3-C5-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	830	CLA	C4-C3-C5-C6
25	L	201	CLA	C4-C3-C5-C6
25	1	602	CLA	C4-C3-C5-C6
25	2	305	CLA	C4-C3-C5-C6
25	a	301	CLA	C4-C3-C5-C6
33	6	607	CHL	C4-C3-C5-C6
25	A	818	CLA	C2-C3-C5-C6
25	A	830	CLA	C2-C3-C5-C6
25	B	816	CLA	C2-C3-C5-C6
25	L	201	CLA	C2-C3-C5-C6
25	1	602	CLA	C2-C3-C5-C6
25	2	305	CLA	C2-C3-C5-C6
25	a	301	CLA	C2-C3-C5-C6
33	6	607	CHL	C2-C3-C5-C6
25	A	814	CLA	CBD-CGD-O2D-CED
25	A	823	CLA	C2A-CAA-CBA-CGA
25	A	839	CLA	C2A-CAA-CBA-CGA
25	3	320	CLA	C2A-CAA-CBA-CGA
33	4	305	CHL	C2A-CAA-CBA-CGA
33	4	306	CHL	C2A-CAA-CBA-CGA
25	4	307	CLA	O1D-CGD-O2D-CED
25	8	311	CLA	O1D-CGD-O2D-CED
25	A	809	CLA	O1A-CGA-O2A-C1
25	6	611	CLA	CBA-CGA-O2A-C1
25	L	202	CLA	CBD-CGD-O2D-CED
25	B	812	CLA	O1D-CGD-O2D-CED
25	6	614	CLA	O1D-CGD-O2D-CED
25	B	819	CLA	CBA-CGA-O2A-C1
25	3	310	CLA	CBA-CGA-O2A-C1
25	A	835	CLA	O1D-CGD-O2D-CED
25	Q	602	CLA	O1D-CGD-O2D-CED
25	S	311	CLA	O1D-CGD-O2D-CED
25	1	604	CLA	O1D-CGD-O2D-CED
25	1	608	CLA	O1D-CGD-O2D-CED
33	7	305	CHL	O1D-CGD-O2D-CED
25	P	602	CLA	O1D-CGD-O2D-CED
25	T	602	CLA	O1D-CGD-O2D-CED
25	1	613	CLA	O1D-CGD-O2D-CED
25	5	314	CLA	O1D-CGD-O2D-CED
25	a	307	CLA	O1D-CGD-O2D-CED
25	a	312	CLA	O1D-CGD-O2D-CED
25	A	822	CLA	CBD-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	2	314	CLA	CBD-CGD-O2D-CED
25	6	611	CLA	O1A-CGA-O2A-C1
25	9	310	CLA	O1A-CGA-O2A-C1
25	B	810	CLA	C3-C5-C6-C7
25	B	827	CLA	O1D-CGD-O2D-CED
25	H	203	CLA	O1D-CGD-O2D-CED
25	6	609	CLA	O1D-CGD-O2D-CED
25	A	805	CLA	CBA-CGA-O2A-C1
25	A	807	CLA	CBA-CGA-O2A-C1
25	A	815	CLA	CBA-CGA-O2A-C1
25	A	835	CLA	CBA-CGA-O2A-C1
25	A	840	CLA	CBA-CGA-O2A-C1
25	Q	611	CLA	CBA-CGA-O2A-C1
25	S	304	CLA	CBA-CGA-O2A-C1
25	S	313	CLA	CBA-CGA-O2A-C1
25	T	610	CLA	CBA-CGA-O2A-C1
25	U	311	CLA	CBA-CGA-O2A-C1
25	1	603	CLA	CBA-CGA-O2A-C1
25	2	304	CLA	CBA-CGA-O2A-C1
25	2	307	CLA	CBA-CGA-O2A-C1
25	2	311	CLA	CBA-CGA-O2A-C1
25	3	305	CLA	CBA-CGA-O2A-C1
25	4	310	CLA	CBA-CGA-O2A-C1
25	5	311	CLA	CBA-CGA-O2A-C1
25	6	612	CLA	CBA-CGA-O2A-C1
25	8	313	CLA	CBA-CGA-O2A-C1
25	9	301	CLA	CBA-CGA-O2A-C1
25	9	310	CLA	CBA-CGA-O2A-C1
25	a	302	CLA	CBA-CGA-O2A-C1
33	S	306	CHL	CBA-CGA-O2A-C1
33	8	307	CHL	CBA-CGA-O2A-C1
25	B	802	CLA	C10-C11-C12-C13
25	2	314	CLA	O1A-CGA-O2A-C1
25	A	808	CLA	C10-C11-C12-C13
25	A	836	CLA	C13-C15-C16-C17
25	R	611	CLA	C5-C6-C7-C8
25	3	311	CLA	C5-C6-C7-C8
25	A	805	CLA	O1A-CGA-O2A-C1
25	2	302	CLA	O1A-CGA-O2A-C1
25	B	837	CLA	C4C-C3C-CAC-CBC
25	A	812	CLA	C10-C11-C12-C13
25	A	820	CLA	C13-C15-C16-C17

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	832	CLA	C5-C6-C7-C8
25	A	838	CLA	C15-C16-C17-C18
25	5	324	CLA	C5-C6-C7-C8
26	B	839	PQN	C20-C21-C22-C23
27	8	319	LHG	O2-C2-C3-O3
25	2	305	CLA	C3-C5-C6-C7
25	4	310	CLA	C3-C5-C6-C7
27	4	318	LHG	O7-C5-C6-O8
27	6	618	LHG	O7-C5-C6-O8
33	S	306	CHL	O1A-CGA-O2A-C1
25	A	832	CLA	C4-C3-C5-C6
25	A	814	CLA	C2-C3-C5-C6
25	B	837	CLA	C2-C3-C5-C6
25	A	806	CLA	C11-C10-C8-C9
25	A	815	CLA	C11-C10-C8-C9
25	A	825	CLA	C6-C7-C8-C9
25	A	826	CLA	C6-C7-C8-C9
25	A	836	CLA	C14-C13-C15-C16
25	A	851	CLA	C11-C12-C13-C14
25	B	810	CLA	C11-C12-C13-C14
25	P	612	CLA	C11-C10-C8-C9
25	R	612	CLA	C11-C10-C8-C9
25	S	304	CLA	C6-C7-C8-C9
25	1	609	CLA	C6-C7-C8-C9
25	2	304	CLA	C14-C13-C15-C16
25	3	308	CLA	C14-C13-C15-C16
25	3	320	CLA	C11-C12-C13-C14
25	5	303	CLA	C11-C12-C13-C14
25	7	308	CLA	C11-C10-C8-C9
25	a	308	CLA	C6-C7-C8-C9
26	A	841	PQN	C24-C23-C25-C26
25	A	812	CLA	O1D-CGD-O2D-CED
25	B	838	CLA	O1D-CGD-O2D-CED
25	U	302	CLA	O1D-CGD-O2D-CED
25	A	807	CLA	C15-C16-C17-C18
25	6	603	CLA	C15-C16-C17-C18
25	A	840	CLA	C2A-CAA-CBA-CGA
25	2	307	CLA	C2A-CAA-CBA-CGA
25	2	314	CLA	C2A-CAA-CBA-CGA
33	a	305	CHL	C2A-CAA-CBA-CGA
28	A	848	BCR	C11-C12-C13-C35
28	J	106	BCR	C37-C22-C23-C24

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
28	K	206	BCR	C36-C18-C19-C20
28	K	206	BCR	C37-C22-C23-C24
28	L	203	BCR	C11-C12-C13-C35
28	O	204	BCR	C37-C22-C23-C24
28	4	317	BCR	C36-C18-C19-C20
28	5	320	BCR	C11-C12-C13-C35
28	5	320	BCR	C37-C22-C23-C24
34	S	316	LUT	C11-C12-C13-C20
34	7	314	LUT	C7-C8-C9-C19
35	Q	616	XAT	C7-C8-C9-C19
35	T	615	XAT	C7-C8-C9-C19
36	U	316	NEX	C11-C12-C13-C20
28	B	840	BCR	C7-C8-C9-C10
28	J	106	BCR	C21-C22-C23-C24
28	K	206	BCR	C17-C18-C19-C20
28	K	206	BCR	C21-C22-C23-C24
28	L	203	BCR	C11-C12-C13-C14
32	2	301	LMG	O6-C5-C6-O5
27	S	319	LHG	C7-C8-C9-C10
25	A	840	CLA	O1A-CGA-O2A-C1
25	2	304	CLA	O1A-CGA-O2A-C1
25	2	311	CLA	O1A-CGA-O2A-C1
25	6	612	CLA	O1A-CGA-O2A-C1
25	S	314	CLA	C8-C10-C11-C12
26	B	839	PQN	C15-C16-C17-C18
25	8	312	CLA	O1D-CGD-O2D-CED
25	A	825	CLA	CBD-CGD-O2D-CED
25	2	305	CLA	CBA-CGA-O2A-C1
25	A	802	CLA	C15-C16-C17-C18
25	A	803	CLA	C13-C15-C16-C17
25	A	807	CLA	C8-C10-C11-C12
25	A	840	CLA	C15-C16-C17-C18
25	B	804	CLA	C15-C16-C17-C18
25	B	815	CLA	C5-C6-C7-C8
25	B	827	CLA	C5-C6-C7-C8
25	B	834	CLA	C13-C15-C16-C17
25	B	834	CLA	C15-C16-C17-C18
25	S	303	CLA	C8-C10-C11-C12
25	3	302	CLA	C10-C11-C12-C13
25	3	308	CLA	C13-C15-C16-C17
30	B	848	DGD	O6D-C5D-C6D-O5D
25	A	827	CLA	C8-C10-C11-C12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	830	CLA	C10-C11-C12-C13
25	A	830	CLA	C13-C15-C16-C17
25	B	802	CLA	C13-C15-C16-C17
25	B	804	CLA	C13-C15-C16-C17
25	B	808	CLA	C15-C16-C17-C18
25	B	849	CLA	C5-C6-C7-C8
25	Q	611	CLA	C5-C6-C7-C8
25	T	609	CLA	C8-C10-C11-C12
25	T	610	CLA	C5-C6-C7-C8
25	U	311	CLA	C5-C6-C7-C8
25	2	304	CLA	C13-C15-C16-C17
25	3	308	CLA	C10-C11-C12-C13
25	5	302	CLA	C13-C15-C16-C17
25	6	605	CLA	C15-C16-C17-C18
25	7	308	CLA	C5-C6-C7-C8
25	9	303	CLA	C5-C6-C7-C8
25	a	311	CLA	C10-C11-C12-C13
25	B	826	CLA	O1D-CGD-O2D-CED
27	B	847	LHG	O1-C1-C2-O2
27	A	843	LHG	C7-C8-C9-C10
27	6	618	LHG	C7-C8-C9-C10
27	7	317	LHG	C23-C24-C25-C26
32	6	602	LMG	C10-C11-C12-C13
25	A	819	CLA	CBD-CGD-O2D-CED
25	7	313	CLA	CBD-CGD-O2D-CED
25	B	810	CLA	C15-C16-C17-C18
25	B	830	CLA	C10-C11-C12-C13
25	5	302	CLA	C8-C10-C11-C12
25	7	301	CLA	C13-C15-C16-C17
25	B	825	CLA	C3-C5-C6-C7
25	A	801	CLA	CBA-CGA-O2A-C1
25	A	811	CLA	C15-C16-C17-C18
25	A	815	CLA	C5-C6-C7-C8
25	A	830	CLA	C8-C10-C11-C12
25	A	839	CLA	C5-C6-C7-C8
25	A	851	CLA	C13-C15-C16-C17
25	B	801	CLA	C13-C15-C16-C17
25	B	831	CLA	C5-C6-C7-C8
25	1	612	CLA	C10-C11-C12-C13
25	7	311	CLA	C5-C6-C7-C8
25	8	310	CLA	C5-C6-C7-C8
25	8	313	CLA	C15-C16-C17-C18

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	1	618	LHG	C7-C8-C9-C10
27	a	317	LHG	C7-C8-C9-C10
25	K	203	CLA	CBD-CGD-O2D-CED
25	4	310	CLA	CBD-CGD-O2D-CED
25	6	615	CLA	CBD-CGD-O2D-CED
25	A	817	CLA	C8-C10-C11-C12
25	B	813	CLA	C8-C10-C11-C12
30	B	848	DGD	C4E-C5E-C6E-O5E
25	7	313	CLA	O1A-CGA-O2A-C1
25	A	810	CLA	C4-C3-C5-C6
25	A	808	CLA	C11-C12-C13-C15
25	A	812	CLA	C6-C7-C8-C10
25	A	825	CLA	C6-C7-C8-C10
25	A	839	CLA	C6-C7-C8-C10
25	B	805	CLA	C11-C10-C8-C7
25	B	836	CLA	C6-C7-C8-C10
25	R	613	CLA	C11-C12-C13-C15
25	U	312	CLA	C11-C12-C13-C15
25	3	320	CLA	C12-C13-C15-C16
25	5	313	CLA	C6-C7-C8-C10
33	P	609	CHL	C12-C13-C15-C16
33	Q	608	CHL	C12-C13-C15-C16
33	R	609	CHL	C12-C13-C15-C16
25	A	807	CLA	O1A-CGA-O2A-C1
25	A	815	CLA	O1A-CGA-O2A-C1
25	A	835	CLA	O1A-CGA-O2A-C1
25	Q	611	CLA	O1A-CGA-O2A-C1
25	S	304	CLA	O1A-CGA-O2A-C1
25	S	313	CLA	O1A-CGA-O2A-C1
25	U	311	CLA	O1A-CGA-O2A-C1
25	4	310	CLA	O1A-CGA-O2A-C1
25	5	311	CLA	O1A-CGA-O2A-C1
25	8	313	CLA	O1A-CGA-O2A-C1
25	9	301	CLA	O1A-CGA-O2A-C1
33	8	307	CHL	O1A-CGA-O2A-C1
28	O	205	BCR	C13-C14-C15-C16
28	4	321	BCR	C13-C14-C15-C16
34	S	317	LUT	C33-C34-C35-C15
25	B	826	CLA	CBA-CGA-O2A-C1
25	A	814	CLA	C2A-CAA-CBA-CGA
25	A	824	CLA	C2A-CAA-CBA-CGA
25	B	829	CLA	C2A-CAA-CBA-CGA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	836	CLA	C2A-CAA-CBA-CGA
25	S	314	CLA	C2A-CAA-CBA-CGA
25	6	623	CLA	C2A-CAA-CBA-CGA
25	9	305	CLA	C2A-CAA-CBA-CGA
33	P	607	CHL	C2A-CAA-CBA-CGA
33	P	619	CHL	C2A-CAA-CBA-CGA
33	R	607	CHL	C2A-CAA-CBA-CGA
33	S	321	CHL	C2A-CAA-CBA-CGA
33	1	606	CHL	C2A-CAA-CBA-CGA
25	K	202	CLA	O1D-CGD-O2D-CED
25	Q	612	CLA	O1D-CGD-O2D-CED
25	1	611	CLA	O1D-CGD-O2D-CED
25	7	310	CLA	O1D-CGD-O2D-CED
25	8	305	CLA	O1D-CGD-O2D-CED
25	a	310	CLA	O1D-CGD-O2D-CED
25	B	805	CLA	C10-C11-C12-C13
25	B	811	CLA	C10-C11-C12-C13
25	B	831	CLA	C10-C11-C12-C13
25	B	836	CLA	C15-C16-C17-C18
25	T	610	CLA	O1A-CGA-O2A-C1
25	1	603	CLA	O1A-CGA-O2A-C1
25	B	849	CLA	CBD-CGD-O2D-CED
32	2	301	LMG	O6-C1-O1-C7
25	B	816	CLA	C8-C10-C11-C12
25	P	612	CLA	C10-C11-C12-C13
25	R	612	CLA	C10-C11-C12-C13
25	L	209	CLA	O1D-CGD-O2D-CED
32	J	104	LMG	C28-C29-C30-C31
25	A	822	CLA	C3-C5-C6-C7
25	B	824	CLA	C3-C5-C6-C7
25	4	311	CLA	C3-C5-C6-C7
25	A	840	CLA	C13-C15-C16-C17
25	B	809	CLA	C13-C15-C16-C17
25	4	308	CLA	C8-C10-C11-C12
25	7	308	CLA	C10-C11-C12-C13
25	a	306	CLA	C13-C15-C16-C17
25	2	307	CLA	O1A-CGA-O2A-C1
25	3	305	CLA	O1A-CGA-O2A-C1
25	a	302	CLA	O1A-CGA-O2A-C1
25	8	309	CLA	CBA-CGA-O2A-C1
25	A	836	CLA	C15-C16-C17-C18
25	S	304	CLA	C5-C6-C7-C8

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	S	304	CLA	C15-C16-C17-C18
25	S	312	CLA	C5-C6-C7-C8
25	2	313	CLA	C5-C6-C7-C8
25	5	302	CLA	C15-C16-C17-C18
25	5	324	CLA	C8-C10-C11-C12
25	6	601	CLA	C8-C10-C11-C12
25	6	601	CLA	C10-C11-C12-C13
25	A	829	CLA	O1D-CGD-O2D-CED
25	6	613	CLA	O1D-CGD-O2D-CED
25	7	301	CLA	O1D-CGD-O2D-CED
25	9	310	CLA	O1D-CGD-O2D-CED
25	R	604	CLA	CBD-CGD-O2D-CED
32	J	107	LMG	C11-C10-O7-C8
25	9	309	CLA	O1D-CGD-O2D-CED
25	A	810	CLA	C5-C6-C7-C8
25	A	816	CLA	C13-C15-C16-C17
25	A	827	CLA	C15-C16-C17-C18
25	A	838	CLA	C8-C10-C11-C12
25	B	825	CLA	C8-C10-C11-C12
25	L	201	CLA	C8-C10-C11-C12
25	S	313	CLA	C5-C6-C7-C8
25	S	313	CLA	C10-C11-C12-C13
25	1	607	CLA	C13-C15-C16-C17
25	3	320	CLA	C8-C10-C11-C12
25	4	308	CLA	C5-C6-C7-C8
25	5	302	CLA	C10-C11-C12-C13
25	5	303	CLA	C8-C10-C11-C12
25	8	302	CLA	C8-C10-C11-C12
27	A	843	LHG	C4-O6-P-O3
27	B	847	LHG	C4-O6-P-O3
27	P	618	LHG	C4-O6-P-O3
27	P	624	LHG	C4-O6-P-O3
27	Q	617	LHG	C4-O6-P-O3
27	R	618	LHG	C4-O6-P-O3
27	T	617	LHG	C4-O6-P-O3
27	2	317	LHG	C4-O6-P-O3
27	6	618	LHG	C3-O3-P-O6
27	7	317	LHG	C3-O3-P-O6
25	A	820	CLA	C3-C5-C6-C7
25	B	815	CLA	C3-C5-C6-C7
25	J	103	CLA	C3-C5-C6-C7
25	L	205	CLA	CBA-CGA-O2A-C1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	3	314	CLA	CBA-CGA-O2A-C1
32	6	602	LMG	C29-C28-O8-C9
33	5	307	CHL	CBA-CGA-O2A-C1
25	K	205	CLA	O1D-CGD-O2D-CED
25	3	313	CLA	O1D-CGD-O2D-CED
25	5	303	CLA	O1D-CGD-O2D-CED
33	4	305	CHL	O1D-CGD-O2D-CED
25	8	314	CLA	CBD-CGD-O2D-CED
25	3	308	CLA	C8-C10-C11-C12
33	6	606	CHL	C3-C5-C6-C7
31	B	850	SQD	C24-C25-C26-C27
25	8	303	CLA	C13-C15-C16-C17
27	1	618	LHG	C1-C2-C3-O3
27	2	317	LHG	C1-C2-C3-O3
27	a	317	LHG	C1-C2-C3-O3
32	J	107	LMG	O9-C10-O7-C8
25	B	821	CLA	C4-C3-C5-C6
25	3	305	CLA	C4-C3-C5-C6
25	3	311	CLA	C4-C3-C5-C6
25	B	812	CLA	C8-C10-C11-C12
25	R	613	CLA	C8-C10-C11-C12
25	U	312	CLA	C8-C10-C11-C12
25	T	610	CLA	CBD-CGD-O2D-CED
25	A	818	CLA	C2A-CAA-CBA-CGA
25	K	204	CLA	C2A-CAA-CBA-CGA
25	S	303	CLA	C2A-CAA-CBA-CGA
25	1	609	CLA	C2A-CAA-CBA-CGA
25	5	303	CLA	C2A-CAA-CBA-CGA
25	8	303	CLA	C2A-CAA-CBA-CGA
25	a	303	CLA	C2A-CAA-CBA-CGA
25	a	308	CLA	C2A-CAA-CBA-CGA
25	A	811	CLA	CBA-CGA-O2A-C1
25	A	822	CLA	CBA-CGA-O2A-C1
25	5	303	CLA	CBA-CGA-O2A-C1
25	7	310	CLA	CBA-CGA-O2A-C1
25	P	611	CLA	C2C-C3C-CAC-CBC
25	S	314	CLA	O1D-CGD-O2D-CED
32	J	107	LMG	C14-C15-C16-C17
25	R	614	CLA	O1D-CGD-O2D-CED
25	T	611	CLA	O1D-CGD-O2D-CED
25	U	312	CLA	O1D-CGD-O2D-CED
25	7	307	CLA	O1D-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	827	CLA	C3-C5-C6-C7
25	B	831	CLA	C3-C5-C6-C7
25	5	311	CLA	C3-C5-C6-C7
27	A	852	LHG	C14-C15-C16-C17
27	4	318	LHG	C27-C28-C29-C30
32	H	204	LMG	C17-C18-C19-C20
32	1	619	LMG	C16-C17-C18-C19
25	A	801	CLA	O1A-CGA-O2A-C1
25	Q	613	CLA	O1D-CGD-O2D-CED
25	R	613	CLA	O1D-CGD-O2D-CED
25	6	623	CLA	O1D-CGD-O2D-CED
33	9	307	CHL	O1D-CGD-O2D-CED
25	B	814	CLA	C6-C7-C8-C10
25	P	610	CLA	C11-C12-C13-C14
25	R	613	CLA	C16-C17-C18-C19
25	2	309	CLA	C11-C12-C13-C15
25	3	303	CLA	CBA-CGA-O2A-C1
27	8	319	LHG	C16-C17-C18-C19
27	8	319	LHG	C32-C33-C34-C35
32	4	320	LMG	C16-C17-C18-C19
25	T	603	CLA	O1D-CGD-O2D-CED
25	T	612	CLA	O1D-CGD-O2D-CED
25	3	320	CLA	O1D-CGD-O2D-CED
25	1	610	CLA	C5-C6-C7-C8
25	6	623	CLA	C5-C6-C7-C8
25	6	623	CLA	C10-C11-C12-C13
25	a	309	CLA	C5-C6-C7-C8
27	B	847	LHG	C24-C25-C26-C27
27	R	618	LHG	C32-C33-C34-C35
27	2	317	LHG	C25-C26-C27-C28
27	4	318	LHG	C25-C26-C27-C28
25	Q	604	CLA	O1D-CGD-O2D-CED
27	6	618	LHG	C16-C17-C18-C19
30	B	848	DGD	C5A-C6A-C7A-C8A
25	A	822	CLA	C15-C16-C17-C18
25	K	203	CLA	CBA-CGA-O2A-C1
27	A	844	LHG	O2-C2-C3-O3
27	A	843	LHG	C14-C15-C16-C17
25	P	613	CLA	O1D-CGD-O2D-CED
25	S	301	CLA	O1D-CGD-O2D-CED
25	U	313	CLA	O1D-CGD-O2D-CED
33	4	314	CHL	O1D-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	6	606	CHL	O1D-CGD-O2D-CED
32	2	301	LMG	C2-C1-O1-C7
32	7	318	LMG	C2-C1-O1-C7
27	P	618	LHG	C32-C33-C34-C35
27	Q	617	LHG	C32-C33-C34-C35
32	J	107	LMG	C13-C14-C15-C16
25	1	604	CLA	C5-C6-C7-C8
25	2	305	CLA	O1A-CGA-O2A-C1
25	2	309	CLA	C11-C12-C13-C14
25	U	304	CLA	O1D-CGD-O2D-CED
25	4	311	CLA	O1D-CGD-O2D-CED
25	6	613	CLA	C4-C3-C5-C6
33	P	609	CHL	C4-C3-C5-C6
33	Q	608	CHL	C4-C3-C5-C6
33	R	609	CHL	C4-C3-C5-C6
27	P	624	LHG	C32-C33-C34-C35
27	T	617	LHG	C32-C33-C34-C35
27	5	301	LHG	C15-C16-C17-C18
25	3	305	CLA	C2-C3-C5-C6
25	3	311	CLA	C2-C3-C5-C6
25	A	814	CLA	C11-C10-C8-C9
25	A	825	CLA	C14-C13-C15-C16
25	A	839	CLA	C6-C7-C8-C9
25	B	805	CLA	C11-C10-C8-C9
25	B	822	CLA	C11-C10-C8-C9
25	B	836	CLA	C6-C7-C8-C9
25	T	608	CLA	C14-C13-C15-C16
25	1	609	CLA	C11-C10-C8-C9
25	2	309	CLA	C11-C10-C8-C9
25	a	308	CLA	C11-C10-C8-C9
25	A	823	CLA	O1D-CGD-O2D-CED
25	P	604	CLA	O1D-CGD-O2D-CED
32	J	104	LMG	C10-C11-C12-C13
27	8	319	LHG	C10-C11-C12-C13
25	B	807	CLA	C13-C15-C16-C17
25	Q	612	CLA	C8-C10-C11-C12
25	T	611	CLA	C8-C10-C11-C12
25	2	303	CLA	C5-C6-C7-C8
25	3	305	CLA	C10-C11-C12-C13
25	A	842	CLA	C2A-CAA-CBA-CGA
25	3	311	CLA	C2A-CAA-CBA-CGA
25	4	303	CLA	C2A-CAA-CBA-CGA

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	5	324	CLA	C2A-CAA-CBA-CGA
33	U	307	CHL	C2A-CAA-CBA-CGA
25	B	826	CLA	O1A-CGA-O2A-C1
32	6	602	LMG	O10-C28-O8-C9
28	B	842	BCR	C7-C8-C9-C34
28	B	851	BCR	C36-C18-C19-C20
28	F	801	BCR	C37-C22-C23-C24
28	L	207	BCR	C7-C8-C9-C34
28	6	621	BCR	C7-C8-C9-C34
27	5	321	LHG	C9-C10-C11-C12
32	H	204	LMG	C29-C30-C31-C32
27	4	318	LHG	O1-C1-C2-C3
27	5	301	LHG	O1-C1-C2-C3
27	6	618	LHG	O1-C1-C2-C3
28	B	851	BCR	C17-C18-C19-C20
28	F	801	BCR	C21-C22-C23-C24
28	L	207	BCR	C7-C8-C9-C10
28	O	204	BCR	C21-C22-C23-C24
28	4	317	BCR	C7-C8-C9-C10
28	5	320	BCR	C21-C22-C23-C24
28	6	621	BCR	C7-C8-C9-C10
34	S	317	LUT	C7-C8-C9-C10
25	L	202	CLA	C5-C6-C7-C8
25	P	613	CLA	C8-C10-C11-C12
27	A	843	LHG	C28-C29-C30-C31
27	2	317	LHG	C27-C28-C29-C30
31	B	850	SQD	C13-C14-C15-C16
27	4	318	LHG	C7-C8-C9-C10
27	2	317	LHG	C16-C17-C18-C19
25	L	205	CLA	O1A-CGA-O2A-C1
25	B	819	CLA	O1A-CGA-O2A-C1
25	A	801	CLA	C16-C17-C18-C19
25	P	610	CLA	C11-C12-C13-C15
25	P	612	CLA	C11-C12-C13-C15
25	R	612	CLA	C11-C12-C13-C15
25	3	311	CLA	C6-C7-C8-C9
25	B	818	CLA	C5-C6-C7-C8
25	9	301	CLA	C5-C6-C7-C8
25	a	303	CLA	C5-C6-C7-C8
27	A	852	LHG	C25-C26-C27-C28
27	4	318	LHG	C13-C14-C15-C16
32	6	602	LMG	C14-C15-C16-C17

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	807	CLA	CBD-CGD-O2D-CED
25	A	840	CLA	O1D-CGD-O2D-CED
25	4	308	CLA	O1D-CGD-O2D-CED
25	5	304	CLA	O1D-CGD-O2D-CED
27	5	301	LHG	C28-C29-C30-C31
32	J	102	LMG	C12-C13-C14-C15
27	B	847	LHG	C23-C24-C25-C26
30	B	848	DGD	C1A-C2A-C3A-C4A
25	A	810	CLA	C15-C16-C17-C18
25	B	815	CLA	C8-C10-C11-C12
25	R	610	CLA	C10-C11-C12-C13
25	7	301	CLA	C15-C16-C17-C18
25	3	314	CLA	O1A-CGA-O2A-C1
30	B	848	DGD	C7B-C8B-C9B-CAB
32	J	107	LMG	C16-C17-C18-C19
25	7	303	CLA	C3-C5-C6-C7
25	R	611	CLA	CBA-CGA-O2A-C1
25	8	303	CLA	CBA-CGA-O2A-C1
27	A	843	LHG	C27-C28-C29-C30
32	J	107	LMG	C34-C35-C36-C37
25	A	830	CLA	O1D-CGD-O2D-CED
25	A	803	CLA	C3A-C2A-CAA-CBA
25	A	804	CLA	C3A-C2A-CAA-CBA
25	A	807	CLA	C3A-C2A-CAA-CBA
25	A	832	CLA	C3A-C2A-CAA-CBA
25	B	811	CLA	C3A-C2A-CAA-CBA
25	B	822	CLA	C3A-C2A-CAA-CBA
25	K	204	CLA	C3A-C2A-CAA-CBA
25	R	611	CLA	C3A-C2A-CAA-CBA
25	1	611	CLA	C3A-C2A-CAA-CBA
25	3	313	CLA	C3A-C2A-CAA-CBA
25	4	307	CLA	C3A-C2A-CAA-CBA
25	5	302	CLA	C3A-C2A-CAA-CBA
25	6	609	CLA	C3A-C2A-CAA-CBA
25	8	308	CLA	C3A-C2A-CAA-CBA
25	a	310	CLA	C3A-C2A-CAA-CBA
33	P	605	CHL	C3A-C2A-CAA-CBA
33	P	607	CHL	C3A-C2A-CAA-CBA
33	P	619	CHL	C3A-C2A-CAA-CBA
33	R	607	CHL	C3A-C2A-CAA-CBA
33	S	321	CHL	C3A-C2A-CAA-CBA
33	U	307	CHL	C3A-C2A-CAA-CBA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	5	307	CHL	C3A-C2A-CAA-CBA
25	P	610	CLA	C10-C11-C12-C13
25	R	610	CLA	C15-C16-C17-C18
32	6	602	LMG	C11-C12-C13-C14
25	B	805	CLA	O1D-CGD-O2D-CED
33	5	307	CHL	O1A-CGA-O2A-C1
25	3	310	CLA	O1A-CGA-O2A-C1
25	A	815	CLA	C11-C12-C13-C15
25	R	613	CLA	C16-C17-C18-C20
25	A	838	CLA	C2C-C3C-CAC-CBC
27	A	843	LHG	C9-C10-C11-C12
27	A	844	LHG	C11-C10-C9-C8
32	1	619	LMG	C7-C8-C9-O8
25	A	839	CLA	CBD-CGD-O2D-CED
32	H	204	LMG	C15-C16-C17-C18
25	B	808	CLA	O1D-CGD-O2D-CED
25	5	303	CLA	O1A-CGA-O2A-C1
25	7	301	CLA	C8-C10-C11-C12
25	7	311	CLA	C8-C10-C11-C12
25	A	825	CLA	C4-C3-C5-C6
25	B	825	CLA	C4-C3-C5-C6
25	P	612	CLA	C4-C3-C5-C6
25	Q	611	CLA	C4-C3-C5-C6
25	R	612	CLA	C4-C3-C5-C6
25	T	610	CLA	C4-C3-C5-C6
25	U	311	CLA	C4-C3-C5-C6
25	3	302	CLA	C4-C3-C5-C6
25	4	311	CLA	C4-C3-C5-C6
33	4	322	CHL	C4-C3-C5-C6
25	A	825	CLA	C2-C3-C5-C6
25	A	832	CLA	C2-C3-C5-C6
25	A	838	CLA	C2-C3-C5-C6
25	B	807	CLA	C2-C3-C5-C6
25	Q	611	CLA	C2-C3-C5-C6
25	U	311	CLA	C2-C3-C5-C6
25	4	311	CLA	C2-C3-C5-C6
25	6	613	CLA	C2-C3-C5-C6
33	1	601	CHL	C2-C3-C5-C6
33	4	322	CHL	C2-C3-C5-C6
25	P	612	CLA	O1A-CGA-O2A-C1
25	R	612	CLA	O1A-CGA-O2A-C1
25	7	310	CLA	O1A-CGA-O2A-C1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	2	312	CLA	C16-C17-C18-C19
25	K	203	CLA	C2C-C3C-CAC-CBC
27	A	843	LHG	O2-C2-C3-O3
25	R	603	CLA	C15-C16-C17-C18
25	A	809	CLA	C3-C5-C6-C7
25	B	818	CLA	C3-C5-C6-C7
25	A	811	CLA	O1A-CGA-O2A-C1
25	A	822	CLA	O1A-CGA-O2A-C1
25	A	826	CLA	CBD-CGD-O2D-CED
27	6	618	LHG	C1-C2-C3-O3
25	A	806	CLA	C2-C1-O2A-CGA
25	A	828	CLA	C2-C1-O2A-CGA
25	B	831	CLA	C2-C1-O2A-CGA
27	5	301	LHG	C29-C30-C31-C32
30	B	846	DGD	C3B-C4B-C5B-C6B
25	A	808	CLA	C13-C15-C16-C17
25	A	825	CLA	C10-C11-C12-C13
25	B	805	CLA	C15-C16-C17-C18
25	L	205	CLA	C8-C10-C11-C12
25	S	303	CLA	C10-C11-C12-C13
25	S	320	CLA	C15-C16-C17-C18
25	T	608	CLA	C10-C11-C12-C13
25	R	611	CLA	O1A-CGA-O2A-C1
25	3	303	CLA	O1A-CGA-O2A-C1
25	8	303	CLA	O1A-CGA-O2A-C1
25	A	836	CLA	C3-C5-C6-C7
25	P	612	CLA	C3-C5-C6-C7
25	R	612	CLA	C3-C5-C6-C7
28	A	845	BCR	C5-C6-C7-C8
28	A	847	BCR	C1-C6-C7-C8
28	A	847	BCR	C5-C6-C7-C8
28	B	841	BCR	C5-C6-C7-C8
28	J	101	BCR	C1-C6-C7-C8
28	J	101	BCR	C5-C6-C7-C8
28	L	204	BCR	C1-C6-C7-C8
28	L	204	BCR	C5-C6-C7-C8
28	O	205	BCR	C23-C24-C25-C30
28	3	317	BCR	C23-C24-C25-C26
28	3	317	BCR	C23-C24-C25-C30
28	3	318	BCR	C1-C6-C7-C8
28	5	320	BCR	C5-C6-C7-C8
28	5	320	BCR	C23-C24-C25-C26

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
28	5	323	BCR	C23-C24-C25-C26
28	5	323	BCR	C23-C24-C25-C30
28	6	621	BCR	C1-C6-C7-C8
28	6	621	BCR	C23-C24-C25-C26
28	6	621	BCR	C23-C24-C25-C30
28	7	316	BCR	C23-C24-C25-C26
28	8	301	BCR	C1-C6-C7-C8
28	8	301	BCR	C5-C6-C7-C8
28	8	318	BCR	C1-C6-C7-C8
28	8	318	BCR	C5-C6-C7-C8
34	Q	615	LUT	C1-C6-C7-C8
34	T	614	LUT	C1-C6-C7-C8
34	1	616	LUT	C5-C6-C7-C8
34	1	617	LUT	C1-C6-C7-C8
34	1	617	LUT	C5-C6-C7-C8
34	4	316	LUT	C5-C6-C7-C8
34	7	315	LUT	C1-C6-C7-C8
34	7	315	LUT	C5-C6-C7-C8
34	a	314	LUT	C1-C6-C7-C8
34	a	315	LUT	C5-C6-C7-C8
32	J	102	LMG	O6-C5-C6-O5
25	B	819	CLA	O1D-CGD-O2D-CED
25	3	311	CLA	CBA-CGA-O2A-C1
25	A	812	CLA	C8-C10-C11-C12
25	B	806	CLA	C13-C15-C16-C17
25	B	807	CLA	C15-C16-C17-C18
25	U	310	CLA	C10-C11-C12-C13
25	2	304	CLA	C5-C6-C7-C8
27	6	618	LHG	C8-C7-O7-C5
27	8	319	LHG	C31-C32-C33-C34
25	H	201	CLA	CBD-CGD-O2D-CED
27	Q	617	LHG	C7-C8-C9-C10
25	A	812	CLA	C13-C15-C16-C17
25	7	308	CLA	O1D-CGD-O2D-CED
25	A	838	CLA	C4-C3-C5-C6
25	B	801	CLA	C4-C3-C5-C6
25	B	807	CLA	C4-C3-C5-C6
25	1	607	CLA	C4-C3-C5-C6
25	1	613	CLA	C4-C3-C5-C6
25	a	312	CLA	C4-C3-C5-C6
33	1	601	CHL	C4-C3-C5-C6
25	L	202	CLA	O1D-CGD-O2D-CED

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	S	310	CHL	O1D-CGD-O2D-CED
25	A	808	CLA	C12-C13-C15-C16
25	A	809	CLA	C6-C7-C8-C10
25	A	818	CLA	C11-C12-C13-C15
25	A	819	CLA	C12-C13-C15-C16
25	A	820	CLA	C11-C12-C13-C15
25	A	825	CLA	C11-C10-C8-C7
25	A	826	CLA	C6-C7-C8-C10
25	B	801	CLA	C2-C3-C5-C6
25	B	810	CLA	C11-C12-C13-C15
25	B	822	CLA	C11-C10-C8-C7
25	B	822	CLA	C11-C12-C13-C15
25	B	822	CLA	C12-C13-C15-C16
25	B	825	CLA	C2-C3-C5-C6
25	B	830	CLA	C6-C7-C8-C10
25	B	830	CLA	C11-C12-C13-C15
25	B	836	CLA	C11-C12-C13-C15
25	B	838	CLA	C6-C7-C8-C10
25	P	612	CLA	C2-C3-C5-C6
25	R	612	CLA	C2-C3-C5-C6
25	S	313	CLA	C2-C3-C5-C6
25	S	314	CLA	C11-C10-C8-C7
25	T	610	CLA	C2-C3-C5-C6
25	1	607	CLA	C2-C3-C5-C6
25	1	609	CLA	C11-C10-C8-C7
25	1	613	CLA	C2-C3-C5-C6
25	2	309	CLA	C11-C10-C8-C7
25	3	302	CLA	C2-C3-C5-C6
25	7	303	CLA	C6-C7-C8-C10
25	8	313	CLA	C6-C7-C8-C10
25	a	306	CLA	C2-C3-C5-C6
25	a	308	CLA	C11-C10-C8-C7
25	a	312	CLA	C2-C3-C5-C6
26	A	841	PQN	C22-C23-C25-C26
33	P	609	CHL	C2-C3-C5-C6
33	Q	608	CHL	C2-C3-C5-C6
33	R	609	CHL	C2-C3-C5-C6
27	8	319	LHG	C30-C31-C32-C33
32	J	104	LMG	C12-C13-C14-C15
32	J	107	LMG	C22-C23-C24-C25
25	P	603	CLA	C15-C16-C17-C18
25	8	310	CLA	C8-C10-C11-C12

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
36	P	621	NEX	C29-C30-C31-C32
36	R	617	NEX	C13-C14-C15-C35
36	U	316	NEX	C29-C30-C31-C32
27	P	618	LHG	C7-C8-C9-C10
27	P	624	LHG	C7-C8-C9-C10
25	A	825	CLA	CBA-CGA-O2A-C1
25	A	842	CLA	CBA-CGA-O2A-C1
25	B	813	CLA	CBA-CGA-O2A-C1
25	B	823	CLA	CBA-CGA-O2A-C1
25	S	303	CLA	CBA-CGA-O2A-C1
25	1	604	CLA	CBA-CGA-O2A-C1
25	1	613	CLA	CBA-CGA-O2A-C1
25	5	324	CLA	CBA-CGA-O2A-C1
25	6	609	CLA	CBA-CGA-O2A-C1
25	a	311	CLA	CBA-CGA-O2A-C1
25	a	312	CLA	CBA-CGA-O2A-C1
27	B	847	LHG	C24-C23-O8-C6
27	5	301	LHG	C24-C23-O8-C6
33	6	607	CHL	CBA-CGA-O2A-C1
27	5	301	LHG	C12-C13-C14-C15
32	2	301	LMG	C16-C17-C18-C19
32	7	319	LMG	C13-C14-C15-C16
25	A	803	CLA	C2A-CAA-CBA-CGA
25	A	819	CLA	C2A-CAA-CBA-CGA
25	A	836	CLA	C2A-CAA-CBA-CGA
25	B	826	CLA	C2A-CAA-CBA-CGA
25	2	311	CLA	C2A-CAA-CBA-CGA
25	2	312	CLA	C2A-CAA-CBA-CGA
25	4	311	CLA	C2A-CAA-CBA-CGA
25	6	604	CLA	C2A-CAA-CBA-CGA
25	9	310	CLA	C2A-CAA-CBA-CGA
25	9	303	CLA	O1D-CGD-O2D-CED
25	J	103	CLA	C5-C6-C7-C8
25	2	304	CLA	C10-C11-C12-C13
25	2	312	CLA	C8-C10-C11-C12
25	8	302	CLA	C13-C15-C16-C17
25	2	308	CLA	C2A-CAA-CBA-CGA
33	P	601	CHL	O1D-CGD-O2D-CED
33	Q	601	CHL	O1D-CGD-O2D-CED
33	R	601	CHL	O1D-CGD-O2D-CED
33	S	306	CHL	O1D-CGD-O2D-CED
25	6	601	CLA	C12-C13-C15-C16

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	A	844	LHG	C7-C8-C9-C10
30	B	848	DGD	C1B-C2B-C3B-C4B
31	B	850	SQD	C7-C8-C9-C10
25	4	303	CLA	O1D-CGD-O2D-CED
25	5	312	CLA	O1D-CGD-O2D-CED
25	B	827	CLA	C10-C11-C12-C13
25	U	302	CLA	C8-C10-C11-C12
27	S	319	LHG	C32-C33-C34-C35
33	T	601	CHL	O1D-CGD-O2D-CED
25	A	838	CLA	C4C-C3C-CAC-CBC
27	B	847	LHG	C11-C10-C9-C8
27	B	847	LHG	C25-C26-C27-C28
27	5	321	LHG	C26-C27-C28-C29
27	5	321	LHG	C27-C28-C29-C30
33	S	309	CHL	CBD-CGD-O2D-CED
33	8	307	CHL	CBD-CGD-O2D-CED
25	A	853	CLA	C16-C17-C18-C20
32	7	318	LMG	O6-C1-O1-C7
25	P	602	CLA	C8-C10-C11-C12
25	R	602	CLA	C8-C10-C11-C12
25	T	602	CLA	C8-C10-C11-C12
25	2	314	CLA	O1D-CGD-O2D-CED
25	3	312	CLA	O1D-CGD-O2D-CED
33	P	622	CHL	O1D-CGD-O2D-CED
33	6	617	CHL	O1D-CGD-O2D-CED
25	B	812	CLA	C2C-C3C-CAC-CBC
27	Q	617	LHG	C11-C12-C13-C14
30	B	846	DGD	C2B-C3B-C4B-C5B
32	7	319	LMG	C14-C15-C16-C17
30	B	846	DGD	C3A-C4A-C5A-C6A
32	1	619	LMG	C13-C14-C15-C16
25	8	313	CLA	C3-C5-C6-C7
25	a	309	CLA	C3-C5-C6-C7
27	T	617	LHG	C7-C8-C9-C10
31	B	850	SQD	C28-C29-C30-C31
27	2	317	LHG	O7-C5-C6-O8
30	B	848	DGD	O1G-C1G-C2G-O2G
32	1	619	LMG	O7-C8-C9-O8
32	7	319	LMG	O7-C8-C9-O8
25	A	820	CLA	CBD-CGD-O2D-CED
25	3	303	CLA	CBD-CGD-O2D-CED
25	A	824	CLA	C6-C7-C8-C10

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	840	CLA	C16-C17-C18-C19
25	B	814	CLA	C6-C7-C8-C9
25	3	311	CLA	C6-C7-C8-C10
25	8	314	CLA	C6-C7-C8-C10
27	5	301	LHG	C11-C10-C9-C8
25	B	824	CLA	C5-C6-C7-C8
25	L	201	CLA	C10-C11-C12-C13
25	2	312	CLA	C5-C6-C7-C8
25	S	313	CLA	C4-C3-C5-C6
25	a	306	CLA	C4-C3-C5-C6
27	a	317	LHG	C23-C24-C25-C26
25	A	810	CLA	C2-C3-C5-C6
25	B	821	CLA	C2-C3-C5-C6
25	S	314	CLA	C2-C3-C5-C6
25	A	807	CLA	C14-C13-C15-C16
25	A	808	CLA	C11-C12-C13-C14
25	A	808	CLA	C14-C13-C15-C16
25	A	812	CLA	C6-C7-C8-C9
25	A	818	CLA	C11-C12-C13-C14
25	A	819	CLA	C14-C13-C15-C16
25	A	820	CLA	C11-C12-C13-C14
25	A	822	CLA	C6-C7-C8-C9
25	A	828	CLA	C6-C7-C8-C9
25	A	838	CLA	C11-C10-C8-C9
25	B	816	CLA	C6-C7-C8-C9
25	B	822	CLA	C11-C12-C13-C14
25	R	610	CLA	C11-C12-C13-C14
25	R	613	CLA	C14-C13-C15-C16
25	S	314	CLA	C11-C10-C8-C9
25	1	610	CLA	C11-C12-C13-C14
25	2	303	CLA	C14-C13-C15-C16
25	2	312	CLA	C14-C13-C15-C16
25	4	301	CLA	C11-C10-C8-C9
25	7	303	CLA	C6-C7-C8-C9
25	7	311	CLA	C14-C13-C15-C16
25	9	303	CLA	C6-C7-C8-C9
25	a	309	CLA	C11-C12-C13-C14
25	A	836	CLA	O1D-CGD-O2D-CED
25	U	303	CLA	C15-C16-C17-C18
25	A	838	CLA	C2A-CAA-CBA-CGA
25	3	314	CLA	C2A-CAA-CBA-CGA
25	5	313	CLA	C2A-CAA-CBA-CGA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	9	309	CLA	C2A-CAA-CBA-CGA
33	6	606	CHL	C2A-CAA-CBA-CGA
32	H	204	LMG	C30-C31-C32-C33
27	1	618	LHG	C23-C24-C25-C26
28	A	846	BCR	C7-C8-C9-C34
28	I	201	BCR	C7-C8-C9-C34
28	O	204	BCR	C7-C8-C9-C34
28	4	317	BCR	C7-C8-C9-C34
25	A	816	CLA	O1D-CGD-O2D-CED
25	B	806	CLA	C15-C16-C17-C18
25	Q	603	CLA	C15-C16-C17-C18
27	Q	617	LHG	C24-C25-C26-C27
27	R	618	LHG	C24-C25-C26-C27
25	S	303	CLA	O1A-CGA-O2A-C1
25	3	311	CLA	O1A-CGA-O2A-C1
25	6	609	CLA	O1A-CGA-O2A-C1
33	6	607	CHL	O1A-CGA-O2A-C1
25	A	803	CLA	C1A-C2A-CAA-CBA
25	A	804	CLA	C1A-C2A-CAA-CBA
25	A	807	CLA	C1A-C2A-CAA-CBA
25	A	809	CLA	C1A-C2A-CAA-CBA
25	A	823	CLA	C1A-C2A-CAA-CBA
25	A	832	CLA	C1A-C2A-CAA-CBA
25	B	804	CLA	C1A-C2A-CAA-CBA
25	B	818	CLA	C1A-C2A-CAA-CBA
25	B	822	CLA	C1A-C2A-CAA-CBA
25	J	103	CLA	C1A-C2A-CAA-CBA
25	K	201	CLA	C1A-C2A-CAA-CBA
25	K	202	CLA	C1A-C2A-CAA-CBA
25	K	204	CLA	C1A-C2A-CAA-CBA
25	P	610	CLA	C1A-C2A-CAA-CBA
25	Q	604	CLA	C1A-C2A-CAA-CBA
25	Q	609	CLA	C1A-C2A-CAA-CBA
25	Q	613	CLA	C1A-C2A-CAA-CBA
25	R	610	CLA	C1A-C2A-CAA-CBA
25	R	611	CLA	C1A-C2A-CAA-CBA
25	R	614	CLA	C1A-C2A-CAA-CBA
25	S	301	CLA	C1A-C2A-CAA-CBA
25	S	303	CLA	C1A-C2A-CAA-CBA
25	T	608	CLA	C1A-C2A-CAA-CBA
25	T	612	CLA	C1A-C2A-CAA-CBA
25	U	304	CLA	C1A-C2A-CAA-CBA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	U	310	CLA	C1A-C2A-CAA-CBA
25	U	313	CLA	C1A-C2A-CAA-CBA
25	1	608	CLA	C1A-C2A-CAA-CBA
25	1	609	CLA	C1A-C2A-CAA-CBA
25	1	611	CLA	C1A-C2A-CAA-CBA
25	2	302	CLA	C1A-C2A-CAA-CBA
25	2	305	CLA	C1A-C2A-CAA-CBA
25	3	313	CLA	C1A-C2A-CAA-CBA
25	4	308	CLA	C1A-C2A-CAA-CBA
25	5	302	CLA	C1A-C2A-CAA-CBA
25	5	315	CLA	C1A-C2A-CAA-CBA
25	6	605	CLA	C1A-C2A-CAA-CBA
25	7	308	CLA	C1A-C2A-CAA-CBA
25	8	310	CLA	C1A-C2A-CAA-CBA
25	8	314	CLA	C1A-C2A-CAA-CBA
25	9	301	CLA	C1A-C2A-CAA-CBA
25	a	307	CLA	C1A-C2A-CAA-CBA
25	a	308	CLA	C1A-C2A-CAA-CBA
25	a	310	CLA	C1A-C2A-CAA-CBA
33	P	605	CHL	C1A-C2A-CAA-CBA
33	P	607	CHL	C1A-C2A-CAA-CBA
33	P	619	CHL	C1A-C2A-CAA-CBA
33	R	607	CHL	C1A-C2A-CAA-CBA
33	S	302	CHL	C1A-C2A-CAA-CBA
33	S	309	CHL	C1A-C2A-CAA-CBA
33	S	321	CHL	C1A-C2A-CAA-CBA
33	T	604	CHL	C1A-C2A-CAA-CBA
33	U	307	CHL	C1A-C2A-CAA-CBA
33	5	307	CHL	C1A-C2A-CAA-CBA
33	8	307	CHL	C1A-C2A-CAA-CBA
25	A	816	CLA	C16-C17-C18-C20
25	A	853	CLA	C16-C17-C18-C19
25	3	320	CLA	C16-C17-C18-C19
25	8	314	CLA	C6-C7-C8-C9
27	6	618	LHG	O9-C7-O7-C5
32	7	319	LMG	C11-C10-O7-C8
27	P	618	LHG	C11-C12-C13-C14
27	R	618	LHG	C11-C12-C13-C14
27	2	317	LHG	C17-C18-C19-C20
30	B	846	DGD	C4B-C5B-C6B-C7B
28	I	201	BCR	C19-C20-C21-C22
36	P	617	NEX	C29-C30-C31-C32

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
36	R	617	NEX	C29-C30-C31-C32
36	T	616	NEX	C29-C30-C31-C32
36	U	301	NEX	C29-C30-C31-C32
25	A	814	CLA	O1D-CGD-O2D-CED
25	A	815	CLA	C10-C11-C12-C13
25	B	824	CLA	C8-C10-C11-C12
25	Q	609	CLA	C10-C11-C12-C13
25	1	613	CLA	C15-C16-C17-C18
27	A	852	LHG	C4-O6-P-O3
25	A	837	CLA	CBD-CGD-O2D-CED
25	B	817	CLA	C3-C5-C6-C7
25	A	825	CLA	O1A-CGA-O2A-C1
25	A	801	CLA	C15-C16-C17-C18
25	A	825	CLA	C13-C15-C16-C17
25	A	827	CLA	C10-C11-C12-C13
25	Q	602	CLA	C8-C10-C11-C12
25	2	309	CLA	C10-C11-C12-C13
25	4	301	CLA	C10-C11-C12-C13
27	5	301	LHG	O6-C4-C5-C6
27	P	624	LHG	C24-C25-C26-C27
27	2	317	LHG	C23-C24-C25-C26
32	7	319	LMG	C28-C29-C30-C31
26	A	841	PQN	C23-C25-C26-C27
27	T	617	LHG	C24-C25-C26-C27
27	P	618	LHG	C24-C25-C26-C27
25	3	320	CLA	C5-C6-C7-C8
27	T	617	LHG	C11-C12-C13-C14
25	A	824	CLA	CBA-CGA-O2A-C1
25	1	612	CLA	CBA-CGA-O2A-C1
25	a	310	CLA	CBA-CGA-O2A-C1
25	1	604	CLA	O1A-CGA-O2A-C1
32	J	104	LMG	O6-C5-C6-O5
25	B	834	CLA	C4-C3-C5-C6
25	2	304	CLA	C4-C3-C5-C6
25	7	304	CLA	C3A-C2A-CAA-CBA
25	A	806	CLA	C10-C11-C12-C13
25	B	825	CLA	C10-C11-C12-C13
25	B	837	CLA	C15-C16-C17-C18
27	5	301	LHG	C11-C12-C13-C14
25	B	813	CLA	O1A-CGA-O2A-C1
25	5	324	CLA	O1A-CGA-O2A-C1
27	B	847	LHG	O10-C23-O8-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	P	624	LHG	C11-C12-C13-C14
32	J	107	LMG	C15-C16-C17-C18
25	6	603	CLA	C8-C10-C11-C12
25	2	312	CLA	C16-C17-C18-C20
25	9	303	CLA	C11-C12-C13-C15
32	1	619	LMG	O6-C5-C6-O5
25	K	203	CLA	C4C-C3C-CAC-CBC
27	A	844	LHG	C4-C5-C6-O8
31	B	850	SQD	O6-C44-C45-C46
32	J	104	LMG	O1-C7-C8-C9
32	J	107	LMG	O1-C7-C8-C9
25	8	310	CLA	C10-C11-C12-C13
32	J	104	LMG	C31-C32-C33-C34
31	B	850	SQD	C45-C44-O6-C1
27	2	317	LHG	C32-C33-C34-C35
25	B	815	CLA	CBD-CGD-O2D-CED
25	B	837	CLA	CBD-CGD-O2D-CED
25	A	827	CLA	C13-C15-C16-C17
25	B	824	CLA	C13-C15-C16-C17
25	T	609	CLA	C5-C6-C7-C8
25	a	312	CLA	C15-C16-C17-C18
27	5	321	LHG	C11-C10-C9-C8
27	R	618	LHG	C7-C8-C9-C10
25	A	842	CLA	O1A-CGA-O2A-C1
25	a	311	CLA	O1A-CGA-O2A-C1
25	a	312	CLA	O1A-CGA-O2A-C1
27	1	618	LHG	C25-C26-C27-C28
25	1	610	CLA	C3-C5-C6-C7
27	A	843	LHG	C11-C10-C9-C8
31	B	850	SQD	C27-C28-C29-C30
25	B	801	CLA	C8-C10-C11-C12
25	L	205	CLA	C5-C6-C7-C8
25	3	320	CLA	C13-C15-C16-C17
25	B	823	CLA	O1A-CGA-O2A-C1
25	1	613	CLA	O1A-CGA-O2A-C1
32	7	318	LMG	C28-C29-C30-C31
30	B	846	DGD	O6E-C5E-C6E-O5E
25	A	822	CLA	C4-C3-C5-C6
25	B	812	CLA	C4-C3-C5-C6
25	B	830	CLA	C4-C3-C5-C6
25	S	314	CLA	C4-C3-C5-C6
25	8	313	CLA	C4-C3-C5-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	812	CLA	C2-C3-C5-C6
25	8	313	CLA	C2-C3-C5-C6
25	1	611	CLA	CBA-CGA-O2A-C1
32	2	301	LMG	C29-C28-O8-C9
25	B	810	CLA	CBD-CGD-O2D-CED
25	A	815	CLA	C8-C10-C11-C12
25	B	801	CLA	C10-C11-C12-C13
25	B	834	CLA	C8-C10-C11-C12
25	B	836	CLA	C13-C15-C16-C17
27	A	843	LHG	C19-C20-C21-C22
25	8	309	CLA	O1A-CGA-O2A-C1
25	K	203	CLA	O1D-CGD-O2D-CED
25	A	810	CLA	C2A-CAA-CBA-CGA
25	T	608	CLA	C2A-CAA-CBA-CGA
33	5	308	CHL	C2A-CAA-CBA-CGA
25	A	832	CLA	C13-C15-C16-C17
25	B	834	CLA	C5-C6-C7-C8
25	B	849	CLA	C15-C16-C17-C18
25	S	311	CLA	C10-C11-C12-C13
25	3	305	CLA	C8-C10-C11-C12
25	2	307	CLA	C2-C1-O2A-CGA
25	a	303	CLA	C2-C1-O2A-CGA
33	1	601	CHL	C2-C1-O2A-CGA
33	5	308	CHL	C2-C1-O2A-CGA
25	4	310	CLA	O1D-CGD-O2D-CED
25	7	313	CLA	O1D-CGD-O2D-CED
25	a	311	CLA	C3-C5-C6-C7
31	B	850	SQD	C31-C32-C33-C34
25	A	822	CLA	O1D-CGD-O2D-CED
27	A	852	LHG	C24-C25-C26-C27
25	B	834	CLA	CBA-CGA-O2A-C1
25	3	320	CLA	CBA-CGA-O2A-C1
25	5	309	CLA	CBA-CGA-O2A-C1
33	P	609	CHL	CBA-CGA-O2A-C1
33	Q	608	CHL	CBA-CGA-O2A-C1
33	R	609	CHL	CBA-CGA-O2A-C1
27	4	318	LHG	O6-C4-C5-O7
27	5	321	LHG	O6-C4-C5-O7
25	A	824	CLA	C6-C7-C8-C9
25	7	301	CLA	C16-C17-C18-C19
25	9	303	CLA	C11-C12-C13-C14
27	5	301	LHG	O10-C23-O8-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	839	CLA	C13-C15-C16-C17
25	S	304	CLA	C8-C10-C11-C12
33	P	609	CHL	C10-C11-C12-C13
33	Q	608	CHL	C10-C11-C12-C13
30	B	848	DGD	C2D-C1D-O3G-C3G
32	7	319	LMG	C2-C1-O1-C7
27	6	618	LHG	C9-C10-C11-C12
27	A	843	LHG	C24-C23-O8-C6
27	2	317	LHG	C24-C25-C26-C27
25	A	853	CLA	C15-C16-C17-C18
33	R	609	CHL	C10-C11-C12-C13
25	5	304	CLA	CBA-CGA-O2A-C1
25	A	825	CLA	O1D-CGD-O2D-CED
27	a	317	LHG	C25-C26-C27-C28
25	8	303	CLA	C8-C10-C11-C12
25	A	801	CLA	C6-C7-C8-C10
25	A	807	CLA	C11-C12-C13-C15
25	A	807	CLA	C12-C13-C15-C16
25	A	819	CLA	C11-C12-C13-C15
25	A	822	CLA	C6-C7-C8-C10
25	A	828	CLA	C6-C7-C8-C10
25	A	830	CLA	C11-C10-C8-C7
25	A	836	CLA	C12-C13-C15-C16
25	A	838	CLA	C11-C10-C8-C7
25	B	805	CLA	C11-C12-C13-C15
25	B	805	CLA	C12-C13-C15-C16
25	B	808	CLA	C11-C12-C13-C15
25	B	809	CLA	C11-C10-C8-C7
25	B	809	CLA	C11-C12-C13-C15
25	B	811	CLA	C11-C10-C8-C7
25	B	817	CLA	C12-C13-C15-C16
25	B	824	CLA	C11-C10-C8-C7
25	B	836	CLA	C12-C13-C15-C16
25	B	837	CLA	C12-C13-C15-C16
25	B	849	CLA	C11-C10-C8-C7
25	P	613	CLA	C11-C10-C8-C7
25	Q	609	CLA	C11-C12-C13-C15
25	Q	612	CLA	C11-C10-C8-C7
25	R	610	CLA	C11-C12-C13-C15
25	R	613	CLA	C11-C10-C8-C7
25	R	613	CLA	C12-C13-C15-C16
25	S	314	CLA	C12-C13-C15-C16

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	T	608	CLA	C11-C12-C13-C15
25	T	611	CLA	C11-C10-C8-C7
25	U	310	CLA	C11-C12-C13-C15
25	1	608	CLA	C11-C10-C8-C7
25	1	609	CLA	C6-C7-C8-C10
25	1	610	CLA	C11-C12-C13-C15
25	2	303	CLA	C12-C13-C15-C16
25	2	309	CLA	C6-C7-C8-C10
25	2	312	CLA	C11-C10-C8-C7
25	2	312	CLA	C12-C13-C15-C16
25	4	301	CLA	C11-C10-C8-C7
25	4	311	CLA	C6-C7-C8-C10
25	5	303	CLA	C11-C12-C13-C15
25	6	613	CLA	C6-C7-C8-C10
25	6	623	CLA	C6-C7-C8-C10
25	7	311	CLA	C12-C13-C15-C16
25	a	307	CLA	C11-C10-C8-C7
25	a	308	CLA	C6-C7-C8-C10
25	a	309	CLA	C11-C12-C13-C15
25	B	822	CLA	C3-C5-C6-C7
32	2	301	LMG	C14-C15-C16-C17
25	A	802	CLA	C11-C10-C8-C9
25	A	807	CLA	C11-C12-C13-C14
25	A	812	CLA	C14-C13-C15-C16
25	A	819	CLA	C11-C12-C13-C14
25	A	825	CLA	C11-C10-C8-C9
25	A	830	CLA	C11-C10-C8-C9
25	B	805	CLA	C11-C12-C13-C14
25	B	805	CLA	C14-C13-C15-C16
25	B	808	CLA	C11-C12-C13-C14
25	B	809	CLA	C11-C10-C8-C9
25	B	811	CLA	C11-C10-C8-C9
25	B	817	CLA	C14-C13-C15-C16
25	B	824	CLA	C11-C10-C8-C9
25	B	825	CLA	C6-C7-C8-C9
25	B	831	CLA	C11-C10-C8-C9
25	B	836	CLA	C14-C13-C15-C16
25	B	838	CLA	C6-C7-C8-C9
25	L	205	CLA	C11-C12-C13-C14
25	P	613	CLA	C11-C10-C8-C9
25	Q	609	CLA	C11-C12-C13-C14
25	Q	612	CLA	C11-C10-C8-C9

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	R	613	CLA	C11-C10-C8-C9
25	S	314	CLA	C14-C13-C15-C16
25	T	608	CLA	C11-C12-C13-C14
25	T	609	CLA	C11-C10-C8-C9
25	T	611	CLA	C11-C10-C8-C9
25	U	310	CLA	C11-C12-C13-C14
25	U	312	CLA	C11-C10-C8-C9
25	2	304	CLA	C11-C12-C13-C14
25	2	312	CLA	C11-C10-C8-C9
25	5	303	CLA	C14-C13-C15-C16
25	5	313	CLA	C6-C7-C8-C9
25	6	613	CLA	C6-C7-C8-C9
25	6	623	CLA	C6-C7-C8-C9
25	8	302	CLA	C11-C12-C13-C14
25	8	313	CLA	C6-C7-C8-C9
26	A	841	PQN	C19-C18-C20-C21
27	7	317	LHG	C27-C28-C29-C30
25	A	813	CLA	C2A-CAA-CBA-CGA
25	R	610	CLA	C2A-CAA-CBA-CGA
25	U	310	CLA	C2A-CAA-CBA-CGA
25	4	301	CLA	C2A-CAA-CBA-CGA
25	6	603	CLA	C2A-CAA-CBA-CGA
25	8	313	CLA	C2A-CAA-CBA-CGA
25	9	302	CLA	C2A-CAA-CBA-CGA
33	S	309	CHL	O1D-CGD-O2D-CED
25	a	310	CLA	O1A-CGA-O2A-C1
28	B	840	BCR	C37-C22-C23-C24
28	J	101	BCR	C37-C22-C23-C24
34	4	316	LUT	C11-C12-C13-C20
36	P	617	NEX	C11-C12-C13-C20
25	U	312	CLA	C16-C17-C18-C20
32	J	107	LMG	C10-C11-C12-C13
28	5	320	BCR	C11-C12-C13-C14
35	P	616	XAT	C7-C8-C9-C10
35	S	318	XAT	C7-C8-C9-C10
36	U	316	NEX	C11-C12-C13-C14
32	7	319	LMG	O9-C10-O7-C8
25	B	805	CLA	C8-C10-C11-C12
25	2	309	CLA	C8-C10-C11-C12
32	H	204	LMG	C18-C19-C20-C21
25	A	814	CLA	CBA-CGA-O2A-C1
25	B	804	CLA	CBA-CGA-O2A-C1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	A	852	LHG	C24-C23-O8-C6
33	S	310	CHL	CBA-CGA-O2A-C1
25	1	602	CLA	C5-C6-C7-C8
25	K	203	CLA	O1A-CGA-O2A-C1
25	8	309	CLA	CBD-CGD-O2D-CED
25	U	312	CLA	C16-C17-C18-C19
25	3	320	CLA	C10-C11-C12-C13
25	a	301	CLA	C5-C6-C7-C8
27	4	318	LHG	O6-C4-C5-C6
27	1	618	LHG	C28-C29-C30-C31
25	8	304	CLA	CBD-CGD-O2D-CED
25	A	818	CLA	C10-C11-C12-C13
25	T	608	CLA	C15-C16-C17-C18
25	3	303	CLA	C4-C3-C5-C6
25	4	308	CLA	C4-C3-C5-C6
33	P	622	CHL	C4-C3-C5-C6
25	5	324	CLA	C10-C11-C12-C13
27	A	852	LHG	C11-C10-C9-C8
27	2	317	LHG	C9-C10-C11-C12
25	B	849	CLA	C3-C5-C6-C7
25	7	301	CLA	C16-C17-C18-C20
27	4	319	LHG	C11-C12-C13-C14
25	B	824	CLA	C10-C11-C12-C13
25	B	814	CLA	CBA-CGA-O2A-C1
27	2	317	LHG	C7-C8-C9-C10
27	S	319	LHG	C31-C32-C33-C34
25	R	604	CLA	O1D-CGD-O2D-CED
25	A	824	CLA	O1A-CGA-O2A-C1
25	A	834	CLA	C3A-C2A-CAA-CBA
25	B	837	CLA	C3A-C2A-CAA-CBA
25	H	203	CLA	C3A-C2A-CAA-CBA
25	K	201	CLA	C3A-C2A-CAA-CBA
25	P	604	CLA	C3A-C2A-CAA-CBA
25	Q	604	CLA	C3A-C2A-CAA-CBA
25	T	603	CLA	C3A-C2A-CAA-CBA
25	U	304	CLA	C3A-C2A-CAA-CBA
25	2	305	CLA	C3A-C2A-CAA-CBA
25	2	313	CLA	C3A-C2A-CAA-CBA
25	3	307	CLA	C3A-C2A-CAA-CBA
25	6	613	CLA	C3A-C2A-CAA-CBA
25	7	307	CLA	C3A-C2A-CAA-CBA
33	T	604	CHL	C3A-C2A-CAA-CBA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
28	K	206	BCR	C15-C16-C17-C18
36	P	617	NEX	C13-C14-C15-C35
36	T	616	NEX	C13-C14-C15-C35
36	U	301	NEX	C13-C14-C15-C35
25	P	612	CLA	C11-C12-C13-C14
25	R	612	CLA	C11-C12-C13-C14
25	4	309	CLA	C6-C7-C8-C9
25	6	615	CLA	O1D-CGD-O2D-CED
25	B	812	CLA	CBA-CGA-O2A-C1
25	P	612	CLA	CBA-CGA-O2A-C1
25	R	612	CLA	CBA-CGA-O2A-C1
33	3	306	CHL	CBA-CGA-O2A-C1
25	7	308	CLA	C8-C10-C11-C12
27	A	852	LHG	C4-C5-C6-O8
27	B	847	LHG	C4-C5-C6-O8
27	2	317	LHG	C4-C5-C6-O8
27	4	318	LHG	C4-C5-C6-O8
27	6	618	LHG	C4-C5-C6-O8
32	J	102	LMG	C7-C8-C9-O8
32	2	301	LMG	O1-C7-C8-C9
32	6	602	LMG	C7-C8-C9-O8
32	7	318	LMG	O1-C7-C8-C9
32	7	319	LMG	C7-C8-C9-O8
25	9	308	CLA	CBD-CGD-O2D-CED
25	1	611	CLA	O1A-CGA-O2A-C1
25	1	612	CLA	O1A-CGA-O2A-C1
25	8	314	CLA	O1D-CGD-O2D-CED
25	5	311	CLA	C4-C3-C5-C6
25	A	840	CLA	C16-C17-C18-C20
25	3	320	CLA	C16-C17-C18-C20
25	3	303	CLA	C2-C3-C5-C6
25	T	610	CLA	O1D-CGD-O2D-CED
25	3	309	CLA	CBD-CGD-O2D-CED
33	4	304	CHL	CBD-CGD-O2D-CED
32	H	204	LMG	C16-C17-C18-C19
33	P	608	CHL	C3C-C2C-CMC-OMC
33	Q	607	CHL	C3C-C2C-CMC-OMC
33	R	605	CHL	C3C-C2C-CMC-OMC
33	R	608	CHL	C3C-C2C-CMC-OMC
33	S	308	CHL	C3C-C2C-CMC-OMC
33	T	606	CHL	C3C-C2C-CMC-OMC
33	U	305	CHL	C3C-C2C-CMC-OMC

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	5	317	CHL	C3C-C2C-CMC-OMC
25	3	320	CLA	O1A-CGA-O2A-C1
25	A	819	CLA	O1D-CGD-O2D-CED
25	A	820	CLA	O1D-CGD-O2D-CED
25	B	849	CLA	O1D-CGD-O2D-CED
25	B	804	CLA	C3-C5-C6-C7
25	A	829	CLA	C2A-CAA-CBA-CGA
25	Q	609	CLA	C2A-CAA-CBA-CGA
27	7	317	LHG	O1-C1-C2-O2
27	A	843	LHG	C13-C14-C15-C16
27	4	318	LHG	C15-C16-C17-C18
32	J	104	LMG	C11-C12-C13-C14
25	A	817	CLA	CBA-CGA-O2A-C1
25	B	834	CLA	O1A-CGA-O2A-C1
32	2	301	LMG	O10-C28-O8-C9
25	A	815	CLA	C11-C12-C13-C14
25	A	816	CLA	C16-C17-C18-C19
25	A	851	CLA	C10-C11-C12-C13
27	S	319	LHG	O2-C2-C3-O3
32	2	301	LMG	C15-C16-C17-C18
25	A	853	CLA	C8-C10-C11-C12
25	5	309	CLA	O1A-CGA-O2A-C1
27	A	852	LHG	C15-C16-C17-C18
27	A	844	LHG	O7-C5-C6-O8
25	R	611	CLA	CAA-CBA-CGA-O2A
30	B	848	DGD	C9B-CAB-CBB-CCB
27	S	319	LHG	C26-C27-C28-C29
27	a	317	LHG	C24-C25-C26-C27
32	H	204	LMG	C31-C32-C33-C34
25	A	807	CLA	C4-C3-C5-C6
25	A	828	CLA	C4-C3-C5-C6
25	A	818	CLA	C2-C1-O2A-CGA
25	A	853	CLA	C2-C1-O2A-CGA
25	3	314	CLA	C2-C1-O2A-CGA
25	6	605	CLA	C2-C1-O2A-CGA
25	7	310	CLA	C2-C1-O2A-CGA
33	3	306	CHL	C2-C1-O2A-CGA
33	4	305	CHL	C2-C1-O2A-CGA
33	8	307	CHL	C2-C1-O2A-CGA
25	A	825	CLA	C11-C12-C13-C14
25	A	830	CLA	C6-C7-C8-C9
25	B	813	CLA	C6-C7-C8-C9

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	823	CLA	C6-C7-C8-C9
25	B	830	CLA	C6-C7-C8-C9
25	B	836	CLA	C11-C12-C13-C14
25	B	849	CLA	C6-C7-C8-C9
25	U	312	CLA	C14-C13-C15-C16
25	2	309	CLA	C6-C7-C8-C9
25	3	308	CLA	C6-C7-C8-C9
25	7	301	CLA	C11-C10-C8-C9
25	7	301	CLA	C11-C12-C13-C14
25	7	311	CLA	C6-C7-C8-C9
25	A	814	CLA	C8-C10-C11-C12
25	B	810	CLA	C10-C11-C12-C13
25	B	806	CLA	C2A-CAA-CBA-CGA
25	B	814	CLA	C2A-CAA-CBA-CGA
25	P	610	CLA	C2A-CAA-CBA-CGA
25	P	613	CLA	C2A-CAA-CBA-CGA
25	S	305	CLA	C2A-CAA-CBA-CGA
25	7	311	CLA	C2A-CAA-CBA-CGA
25	A	829	CLA	C16-C17-C18-C20
28	B	841	BCR	C1-C6-C7-C8
28	B	843	BCR	C5-C6-C7-C8
28	B	843	BCR	C23-C24-C25-C30
28	B	845	BCR	C1-C6-C7-C8
28	B	845	BCR	C5-C6-C7-C8
28	K	206	BCR	C1-C6-C7-C8
28	K	206	BCR	C5-C6-C7-C8
28	K	206	BCR	C23-C24-C25-C26
28	K	206	BCR	C23-C24-C25-C30
28	L	208	BCR	C23-C24-C25-C26
28	L	208	BCR	C23-C24-C25-C30
28	3	317	BCR	C5-C6-C7-C8
34	Q	615	LUT	C5-C6-C7-C8
34	T	614	LUT	C5-C6-C7-C8
34	1	615	LUT	C1-C6-C7-C8
34	1	615	LUT	C5-C6-C7-C8
34	2	315	LUT	C5-C6-C7-C8
34	9	313	LUT	C1-C6-C7-C8
34	a	314	LUT	C5-C6-C7-C8
27	4	318	LHG	C26-C27-C28-C29
31	B	850	SQD	C35-C36-C37-C38
32	6	602	LMG	C33-C34-C35-C36
28	A	848	BCR	C11-C12-C13-C14

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
28	A	848	BCR	C21-C22-C23-C24
28	L	207	BCR	C17-C18-C19-C20
28	8	318	BCR	C17-C18-C19-C20
34	S	316	LUT	C11-C12-C13-C14
34	S	317	LUT	C31-C32-C33-C34
34	7	314	LUT	C7-C8-C9-C10
35	P	620	XAT	C7-C8-C9-C10
36	P	617	NEX	C11-C12-C13-C14
36	T	616	NEX	C11-C12-C13-C14
25	2	303	CLA	C15-C16-C17-C18
25	6	605	CLA	C8-C10-C11-C12
27	1	618	LHG	C24-C25-C26-C27
32	1	619	LMG	C14-C15-C16-C17
25	S	315	CLA	O2A-C1-C2-C3
25	A	801	CLA	C16-C17-C18-C20
25	Q	609	CLA	C16-C17-C18-C20
27	A	844	LHG	C15-C16-C17-C18
27	5	321	LHG	C24-C25-C26-C27
25	A	807	CLA	O1D-CGD-O2D-CED
25	H	201	CLA	O1D-CGD-O2D-CED
27	4	318	LHG	C14-C15-C16-C17
32	1	619	LMG	C33-C34-C35-C36
25	B	811	CLA	CBD-CGD-O2D-CED
25	A	808	CLA	C5-C6-C7-C8
27	5	301	LHG	O2-C2-C3-O3
25	A	802	CLA	C11-C10-C8-C7
25	A	807	CLA	C2-C3-C5-C6
25	A	815	CLA	C11-C10-C8-C7
25	A	840	CLA	C6-C7-C8-C10
25	B	806	CLA	C12-C13-C15-C16
25	B	813	CLA	C6-C7-C8-C10
25	B	823	CLA	C6-C7-C8-C10
25	B	825	CLA	C6-C7-C8-C10
25	B	830	CLA	C2-C3-C5-C6
25	B	831	CLA	C11-C10-C8-C7
25	B	831	CLA	C11-C12-C13-C15
25	B	834	CLA	C11-C10-C8-C7
25	B	849	CLA	C6-C7-C8-C10
25	L	202	CLA	C11-C12-C13-C15
25	L	205	CLA	C11-C12-C13-C15
25	S	304	CLA	C6-C7-C8-C10
25	U	312	CLA	C11-C10-C8-C7

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	U	312	CLA	C12-C13-C15-C16
25	2	304	CLA	C11-C12-C13-C15
25	3	305	CLA	C11-C10-C8-C7
25	3	308	CLA	C6-C7-C8-C10
25	3	308	CLA	C12-C13-C15-C16
25	5	303	CLA	C11-C10-C8-C7
25	5	303	CLA	C12-C13-C15-C16
25	6	601	CLA	C11-C10-C8-C7
25	7	301	CLA	C11-C10-C8-C7
25	8	302	CLA	C11-C12-C13-C15
26	A	841	PQN	C17-C18-C20-C21
25	B	812	CLA	O1A-CGA-O2A-C1
28	B	851	BCR	C19-C20-C21-C22
36	U	316	NEX	C13-C14-C15-C35
25	A	829	CLA	C16-C17-C18-C19
25	Q	612	CLA	C11-C12-C13-C15
25	T	611	CLA	C11-C12-C13-C15
25	4	309	CLA	C6-C7-C8-C10
27	8	319	LHG	C33-C34-C35-C36
25	6	603	CLA	CBA-CGA-O2A-C1
27	a	317	LHG	C28-C29-C30-C31
32	J	107	LMG	C21-C22-C23-C24
33	S	310	CHL	O1A-CGA-O2A-C1
25	6	601	CLA	C2A-CAA-CBA-CGA
25	5	313	CLA	CBD-CGD-O2D-CED
25	B	804	CLA	C10-C11-C12-C13
25	B	821	CLA	C10-C11-C12-C13
25	8	312	CLA	CBA-CGA-O2A-C1
27	2	317	LHG	C31-C32-C33-C34
27	6	618	LHG	C11-C10-C9-C8
27	7	317	LHG	C11-C10-C9-C8
25	A	806	CLA	C8-C10-C11-C12
25	A	814	CLA	O1A-CGA-O2A-C1
25	B	804	CLA	O1A-CGA-O2A-C1
27	2	317	LHG	C33-C34-C35-C36
25	A	805	CLA	CAD-CBD-CGD-O2D
25	B	809	CLA	CAD-CBD-CGD-O2D
25	B	810	CLA	CAD-CBD-CGD-O2D
25	H	203	CLA	CAD-CBD-CGD-O2D
25	J	105	CLA	CAD-CBD-CGD-O2D
25	O	201	CLA	CAD-CBD-CGD-O2D
25	P	604	CLA	CAD-CBD-CGD-O2D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	P	612	CLA	CAD-CBD-CGD-O2D
25	Q	604	CLA	CAD-CBD-CGD-O2D
25	R	612	CLA	CAD-CBD-CGD-O2D
25	S	311	CLA	CAD-CBD-CGD-O2D
25	S	312	CLA	CAD-CBD-CGD-O2D
25	T	603	CLA	CAD-CBD-CGD-O2D
25	T	610	CLA	CAD-CBD-CGD-O2D
25	U	304	CLA	CAD-CBD-CGD-O2D
25	3	302	CLA	CAD-CBD-CGD-O2D
25	3	307	CLA	CAD-CBD-CGD-O2D
25	3	308	CLA	CAD-CBD-CGD-O2D
25	3	311	CLA	CAD-CBD-CGD-O2D
25	4	301	CLA	CAD-CBD-CGD-O2D
25	4	310	CLA	CAD-CBD-CGD-O2D
25	5	304	CLA	CAD-CBD-CGD-O2D
25	5	309	CLA	CAD-CBD-CGD-O2D
25	6	601	CLA	CAD-CBD-CGD-O2D
25	6	604	CLA	CAD-CBD-CGD-O2D
25	6	610	CLA	CAD-CBD-CGD-O2D
25	8	314	CLA	CAD-CBD-CGD-O2D
32	J	107	LMG	C9-C8-O7-C10
32	J	102	LMG	C16-C17-C18-C19
25	A	829	CLA	C5-C6-C7-C8
25	A	853	CLA	C5-C6-C7-C8
25	B	811	CLA	C8-C10-C11-C12
25	5	305	CLA	CBD-CGD-O2D-CED
27	6	618	LHG	C24-C23-O8-C6
25	A	837	CLA	O1D-CGD-O2D-CED
25	A	839	CLA	O1D-CGD-O2D-CED
25	B	822	CLA	C4-C3-C5-C6
25	a	311	CLA	C4-C3-C5-C6
33	7	305	CHL	C4-C3-C5-C6
25	3	308	CLA	C16-C17-C18-C19
25	B	814	CLA	C5-C6-C7-C8
25	A	828	CLA	C2-C3-C5-C6
25	B	822	CLA	C2-C3-C5-C6
33	7	305	CHL	C2-C3-C5-C6
27	A	852	LHG	C2-C3-O3-P
27	2	317	LHG	C2-C3-O3-P
30	B	848	DGD	O1G-C1G-C2G-C3G
32	J	107	LMG	C7-C8-C9-O8
25	B	836	CLA	CBD-CGD-O2D-CED

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	5	301	LHG	O6-C4-C5-O7
25	A	802	CLA	C8-C10-C11-C12
25	S	314	CLA	CBA-CGA-O2A-C1
25	1	604	CLA	C2A-CAA-CBA-CGA
25	6	613	CLA	C2A-CAA-CBA-CGA
25	B	814	CLA	O1A-CGA-O2A-C1
25	6	605	CLA	C16-C17-C18-C19
25	A	809	CLA	CHA-CBD-CGD-O1D
25	A	814	CLA	CHA-CBD-CGD-O1D
25	A	814	CLA	CHA-CBD-CGD-O2D
25	A	822	CLA	CHA-CBD-CGD-O1D
25	A	822	CLA	CHA-CBD-CGD-O2D
25	A	830	CLA	CHA-CBD-CGD-O1D
25	A	830	CLA	CHA-CBD-CGD-O2D
25	A	842	CLA	CHA-CBD-CGD-O1D
25	A	842	CLA	CHA-CBD-CGD-O2D
25	B	804	CLA	CHA-CBD-CGD-O1D
25	B	804	CLA	CHA-CBD-CGD-O2D
25	B	811	CLA	CHA-CBD-CGD-O1D
25	B	811	CLA	CHA-CBD-CGD-O2D
25	B	824	CLA	CHA-CBD-CGD-O1D
25	B	824	CLA	CHA-CBD-CGD-O2D
25	B	849	CLA	CHA-CBD-CGD-O1D
25	B	849	CLA	CHA-CBD-CGD-O2D
25	G	202	CLA	CHA-CBD-CGD-O1D
25	L	209	CLA	CHA-CBD-CGD-O1D
25	L	209	CLA	CHA-CBD-CGD-O2D
25	P	603	CLA	CHA-CBD-CGD-O1D
25	P	603	CLA	CHA-CBD-CGD-O2D
25	Q	603	CLA	CHA-CBD-CGD-O1D
25	Q	603	CLA	CHA-CBD-CGD-O2D
25	R	603	CLA	CHA-CBD-CGD-O1D
25	R	603	CLA	CHA-CBD-CGD-O2D
25	S	303	CLA	CHA-CBD-CGD-O1D
25	S	320	CLA	CHA-CBD-CGD-O1D
25	S	320	CLA	CHA-CBD-CGD-O2D
25	U	303	CLA	CHA-CBD-CGD-O1D
25	U	303	CLA	CHA-CBD-CGD-O2D
25	2	303	CLA	CHA-CBD-CGD-O1D
25	2	303	CLA	CHA-CBD-CGD-O2D
25	2	304	CLA	CHA-CBD-CGD-O1D
25	7	302	CLA	CHA-CBD-CGD-O1D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	7	302	CLA	CHA-CBD-CGD-O2D
25	7	309	CLA	CHA-CBD-CGD-O1D
25	7	309	CLA	CHA-CBD-CGD-O2D
25	8	303	CLA	CHA-CBD-CGD-O1D
25	8	303	CLA	CHA-CBD-CGD-O2D
25	8	311	CLA	CHA-CBD-CGD-O1D
25	8	311	CLA	CHA-CBD-CGD-O2D
33	1	601	CHL	CHA-CBD-CGD-O1D
33	1	601	CHL	CHA-CBD-CGD-O2D
33	4	322	CHL	CHA-CBD-CGD-O1D
33	4	322	CHL	CHA-CBD-CGD-O2D
25	8	312	CLA	O1A-CGA-O2A-C1
27	A	843	LHG	O10-C23-O8-C6
27	A	852	LHG	O10-C23-O8-C6
33	3	306	CHL	O1A-CGA-O2A-C1
32	J	107	LMG	C17-C18-C19-C20
27	A	852	LHG	O7-C5-C6-O8
32	J	104	LMG	O1-C7-C8-O7
32	6	602	LMG	O7-C8-C9-O8
32	7	319	LMG	O1-C7-C8-O7
25	A	832	CLA	CBA-CGA-O2A-C1
25	B	806	CLA	C10-C11-C12-C13
25	B	815	CLA	C11-C12-C13-C14
27	6	618	LHG	C25-C26-C27-C28
25	5	305	CLA	O1D-CGD-O2D-CED
25	Q	611	CLA	C2C-C3C-CAC-CBC
27	S	319	LHG	C30-C31-C32-C33
25	8	303	CLA	C3-C5-C6-C7
25	A	853	CLA	C4-C3-C5-C6
25	A	817	CLA	O1A-CGA-O2A-C1
25	6	603	CLA	O1A-CGA-O2A-C1
32	H	204	LMG	C10-C11-C12-C13
25	A	822	CLA	C2-C3-C5-C6
27	5	301	LHG	O9-C7-O7-C5
25	B	815	CLA	C11-C10-C8-C9
25	5	303	CLA	C11-C10-C8-C9
25	5	310	CLA	C11-C10-C8-C9
25	8	309	CLA	O1D-CGD-O2D-CED
33	7	305	CHL	C5-C6-C7-C8
25	B	838	CLA	C15-C16-C17-C18
25	B	816	CLA	C2A-CAA-CBA-CGA
25	P	604	CLA	C2A-CAA-CBA-CGA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	5	309	CLA	C2A-CAA-CBA-CGA
25	6	601	CLA	C14-C13-C15-C16
25	B	830	CLA	CAA-CBA-CGA-O2A
25	4	307	CLA	CBA-CGA-O2A-C1
25	A	842	CLA	C3-C5-C6-C7
25	T	608	CLA	C8-C10-C11-C12
30	B	846	DGD	C2A-C3A-C4A-C5A
25	3	303	CLA	O1D-CGD-O2D-CED
25	A	824	CLA	C1A-C2A-CAA-CBA
25	B	811	CLA	C1A-C2A-CAA-CBA
25	B	824	CLA	C1A-C2A-CAA-CBA
25	B	835	CLA	C1A-C2A-CAA-CBA
25	P	604	CLA	C1A-C2A-CAA-CBA
25	T	603	CLA	C1A-C2A-CAA-CBA
25	1	610	CLA	C1A-C2A-CAA-CBA
25	3	307	CLA	C1A-C2A-CAA-CBA
25	4	301	CLA	C1A-C2A-CAA-CBA
25	6	610	CLA	C1A-C2A-CAA-CBA
33	S	306	CHL	C1A-C2A-CAA-CBA
32	7	318	LMG	C10-C11-C12-C13
27	5	301	LHG	C8-C7-O7-C5
25	A	851	CLA	CBD-CGD-O2D-CED
27	5	321	LHG	C3-O3-P-O6
27	2	317	LHG	C28-C29-C30-C31
27	6	618	LHG	C33-C34-C35-C36
27	6	618	LHG	O2-C2-C3-O3
25	8	304	CLA	O1D-CGD-O2D-CED
25	1	608	CLA	C4-C3-C5-C6
25	1	612	CLA	C4-C3-C5-C6
25	B	837	CLA	O1D-CGD-O2D-CED
27	A	852	LHG	C4-O6-P-O5
27	P	618	LHG	C4-O6-P-O4
27	P	624	LHG	C4-O6-P-O4
27	Q	617	LHG	C4-O6-P-O4
27	R	618	LHG	C4-O6-P-O4
27	T	617	LHG	C4-O6-P-O4
27	5	321	LHG	C4-O6-P-O5
27	6	618	LHG	C3-O3-P-O4
27	7	317	LHG	C3-O3-P-O5
27	8	319	LHG	C3-O3-P-O4
25	A	819	CLA	C16-C17-C18-C20
25	R	611	CLA	C11-C12-C13-C15

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	805	CLA	CBD-CGD-O2D-CED
27	5	321	LHG	O6-C4-C5-C6
25	7	301	CLA	C5-C6-C7-C8
25	1	613	CLA	C3-C5-C6-C7
25	6	610	CLA	C3-C5-C6-C7
33	Q	608	CHL	O1A-CGA-O2A-C1
33	R	609	CHL	O1A-CGA-O2A-C1
25	a	311	CLA	C16-C17-C18-C19
25	A	806	CLA	CAD-CBD-CGD-O1D
25	A	814	CLA	CAD-CBD-CGD-O1D
25	A	816	CLA	CAD-CBD-CGD-O1D
25	A	825	CLA	CAD-CBD-CGD-O1D
25	A	836	CLA	CAD-CBD-CGD-O1D
25	A	842	CLA	CAD-CBD-CGD-O1D
25	B	804	CLA	CAD-CBD-CGD-O1D
25	B	811	CLA	CAD-CBD-CGD-O1D
25	B	812	CLA	CAD-CBD-CGD-O1D
25	B	824	CLA	CAD-CBD-CGD-O1D
25	G	202	CLA	CAD-CBD-CGD-O1D
25	S	303	CLA	CAD-CBD-CGD-O1D
25	2	303	CLA	CAD-CBD-CGD-O1D
25	2	304	CLA	CAD-CBD-CGD-O1D
25	6	623	CLA	CAD-CBD-CGD-O1D
36	P	621	NEX	C7-C8-C9-C10
25	5	319	CLA	CBD-CGD-O2D-CED
32	H	204	LMG	C28-C29-C30-C31
33	4	305	CHL	CAA-CBA-CGA-O2A
25	A	832	CLA	O1A-CGA-O2A-C1
33	P	609	CHL	O1A-CGA-O2A-C1
32	1	619	LMG	C10-C11-C12-C13
30	B	848	DGD	C3B-C4B-C5B-C6B
25	a	307	CLA	CBA-CGA-O2A-C1
25	4	307	CLA	O1A-CGA-O2A-C1
25	B	810	CLA	O1D-CGD-O2D-CED
25	B	811	CLA	C13-C15-C16-C17
25	A	814	CLA	C16-C17-C18-C19
25	A	806	CLA	C11-C10-C8-C7
25	A	851	CLA	C11-C12-C13-C15
25	A	851	CLA	C12-C13-C15-C16
25	B	801	CLA	C6-C7-C8-C10
25	B	806	CLA	C11-C10-C8-C7
25	B	813	CLA	C11-C10-C8-C7

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	815	CLA	C11-C10-C8-C7
25	B	824	CLA	C3A-C2A-CAA-CBA
25	L	202	CLA	C6-C7-C8-C10
25	P	612	CLA	C11-C10-C8-C7
25	R	612	CLA	C11-C10-C8-C7
25	1	612	CLA	C6-C7-C8-C10
25	3	320	CLA	C11-C12-C13-C15
25	5	310	CLA	C11-C10-C8-C7
25	5	324	CLA	C6-C7-C8-C10
25	6	603	CLA	C11-C10-C8-C7
25	6	605	CLA	C11-C10-C8-C7
25	6	605	CLA	C12-C13-C15-C16
25	a	311	CLA	C6-C7-C8-C10
33	P	609	CHL	C11-C10-C8-C7
33	Q	608	CHL	C11-C10-C8-C7
33	R	609	CHL	C11-C10-C8-C7
32	1	619	LMG	C29-C30-C31-C32
25	S	314	CLA	O1A-CGA-O2A-C1
25	B	825	CLA	CAA-CBA-CGA-O2A
25	8	302	CLA	C2C-C3C-CAC-CBC
30	B	846	DGD	C1B-C2B-C3B-C4B
27	B	847	LHG	C26-C27-C28-C29
27	4	318	LHG	C9-C10-C11-C12
32	2	301	LMG	C12-C13-C14-C15
33	U	309	CHL	C2C-C3C-CAC-CBC
27	7	317	LHG	C10-C11-C12-C13
25	8	315	CLA	CBD-CGD-O2D-CED
25	Q	604	CLA	C2A-CAA-CBA-CGA
25	U	304	CLA	C2A-CAA-CBA-CGA
25	1	602	CLA	C2A-CAA-CBA-CGA
25	S	314	CLA	C16-C17-C18-C20
25	a	312	CLA	C3-C5-C6-C7
27	8	319	LHG	C4-C5-C6-O8
32	7	319	LMG	O1-C7-C8-C9
33	P	601	CHL	C1C-C2C-CMC-OMC
33	P	606	CHL	C1C-C2C-CMC-OMC
33	P	607	CHL	C1C-C2C-CMC-OMC
33	P	608	CHL	C1C-C2C-CMC-OMC
33	P	619	CHL	C1C-C2C-CMC-OMC
33	Q	601	CHL	C1C-C2C-CMC-OMC
33	Q	606	CHL	C1C-C2C-CMC-OMC
33	Q	607	CHL	C1C-C2C-CMC-OMC

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	R	601	CHL	C1C-C2C-CMC-OMC
33	R	606	CHL	C1C-C2C-CMC-OMC
33	R	607	CHL	C1C-C2C-CMC-OMC
33	R	608	CHL	C1C-C2C-CMC-OMC
33	S	306	CHL	C1C-C2C-CMC-OMC
33	S	308	CHL	C1C-C2C-CMC-OMC
33	S	310	CHL	C1C-C2C-CMC-OMC
33	S	321	CHL	C1C-C2C-CMC-OMC
33	T	601	CHL	C1C-C2C-CMC-OMC
33	T	605	CHL	C1C-C2C-CMC-OMC
33	T	606	CHL	C1C-C2C-CMC-OMC
33	U	305	CHL	C1C-C2C-CMC-OMC
33	U	306	CHL	C1C-C2C-CMC-OMC
33	U	307	CHL	C1C-C2C-CMC-OMC
33	1	606	CHL	C1C-C2C-CMC-OMC
33	4	314	CHL	C1C-C2C-CMC-OMC
33	5	317	CHL	C1C-C2C-CMC-OMC
33	6	617	CHL	C1C-C2C-CMC-OMC
33	9	306	CHL	C1C-C2C-CMC-OMC
33	9	307	CHL	C1C-C2C-CMC-OMC
33	a	305	CHL	C1C-C2C-CMC-OMC
31	B	850	SQD	O6-C44-C45-O47
32	J	107	LMG	O7-C8-C9-O8
32	7	318	LMG	O1-C7-C8-O7
25	P	611	CLA	C4C-C3C-CAC-CBC
25	P	610	CLA	C8-C10-C11-C12
32	H	204	LMG	C35-C36-C37-C38
25	A	819	CLA	C16-C17-C18-C19
25	1	612	CLA	C16-C17-C18-C19
25	A	825	CLA	C3-C5-C6-C7
25	A	837	CLA	C4-C3-C5-C6
25	6	601	CLA	C4-C3-C5-C6
25	B	834	CLA	C2-C3-C5-C6
25	A	803	CLA	C11-C12-C13-C14
25	A	840	CLA	C6-C7-C8-C9
25	B	825	CLA	C14-C13-C15-C16
25	B	831	CLA	C11-C12-C13-C14
25	B	834	CLA	C11-C10-C8-C9
25	L	201	CLA	C11-C12-C13-C14
25	L	202	CLA	C6-C7-C8-C9
25	L	202	CLA	C11-C12-C13-C14
25	R	602	CLA	C6-C7-C8-C9

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	1	608	CLA	C11-C10-C8-C9
25	2	312	CLA	C6-C7-C8-C9
25	8	310	CLA	C11-C10-C8-C9
25	8	313	CLA	C11-C12-C13-C14
25	a	311	CLA	C6-C7-C8-C9
33	P	609	CHL	C14-C13-C15-C16
33	Q	608	CHL	C14-C13-C15-C16
33	R	609	CHL	C14-C13-C15-C16
25	A	826	CLA	O1D-CGD-O2D-CED
25	5	313	CLA	O1D-CGD-O2D-CED
33	4	304	CHL	O1D-CGD-O2D-CED
30	B	848	DGD	O6E-C5E-C6E-O5E
31	B	850	SQD	C26-C27-C28-C29
25	Q	609	CLA	C8-C10-C11-C12
36	T	616	NEX	C11-C12-C13-C20
25	U	310	CLA	C8-C10-C11-C12
25	A	812	CLA	C16-C17-C18-C19
28	L	204	BCR	C17-C18-C19-C20
27	a	317	LHG	C10-C11-C12-C13
27	A	844	LHG	O9-C7-O7-C5
25	A	804	CLA	C8-C10-C11-C12
25	B	810	CLA	C4-C3-C5-C6
25	a	311	CLA	C2-C3-C5-C6
25	T	610	CLA	C2C-C3C-CAC-CBC
25	A	823	CLA	C1-C2-C3-C4
25	B	829	CLA	C1-C2-C3-C4
33	P	606	CHL	C1-C2-C3-C4
33	Q	606	CHL	C1-C2-C3-C4
33	R	606	CHL	C1-C2-C3-C4
33	S	307	CHL	C1-C2-C3-C4
33	T	601	CHL	C1-C2-C3-C4
33	T	605	CHL	C1-C2-C3-C4
33	U	306	CHL	C1-C2-C3-C4
25	A	810	CLA	C3-C5-C6-C7
25	A	837	CLA	C10-C11-C12-C13
25	B	815	CLA	O1D-CGD-O2D-CED
25	A	820	CLA	C2A-CAA-CBA-CGA
25	B	802	CLA	C2A-CAA-CBA-CGA
25	B	804	CLA	C2A-CAA-CBA-CGA
25	B	834	CLA	C2A-CAA-CBA-CGA
25	Q	612	CLA	C2A-CAA-CBA-CGA
25	R	613	CLA	C2A-CAA-CBA-CGA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	T	611	CLA	C2A-CAA-CBA-CGA
25	U	312	CLA	C2A-CAA-CBA-CGA
25	8	304	CLA	C2A-CAA-CBA-CGA
25	8	310	CLA	C2A-CAA-CBA-CGA
25	a	301	CLA	C2A-CAA-CBA-CGA
25	P	613	CLA	CBA-CGA-O2A-C1
25	A	826	CLA	C2-C1-O2A-CGA
25	B	815	CLA	C2-C1-O2A-CGA
25	R	603	CLA	C2-C1-O2A-CGA
25	1	613	CLA	C2-C1-O2A-CGA
25	9	310	CLA	C2-C1-O2A-CGA
25	a	312	CLA	C2-C1-O2A-CGA
33	S	302	CHL	C2-C1-O2A-CGA
33	T	607	CHL	C2-C1-O2A-CGA
25	5	319	CLA	O1D-CGD-O2D-CED
25	9	308	CLA	O1D-CGD-O2D-CED
32	7	318	LMG	C29-C30-C31-C32
25	3	314	CLA	CBD-CGD-O2D-CED
28	B	843	BCR	C19-C20-C21-C22
25	P	613	CLA	O1A-CGA-O2A-C1
25	a	307	CLA	O1A-CGA-O2A-C1
27	6	618	LHG	O10-C23-O8-C6
25	R	610	CLA	C8-C10-C11-C12
25	a	307	CLA	C4-C3-C5-C6
25	A	805	CLA	O1D-CGD-O2D-CED
25	B	824	CLA	O1D-CGD-O2D-CED
28	B	843	BCR	C23-C24-C25-C26
28	3	317	BCR	C1-C6-C7-C8
34	P	615	LUT	C5-C6-C7-C8
34	R	616	LUT	C5-C6-C7-C8
34	U	315	LUT	C5-C6-C7-C8
34	2	315	LUT	C1-C6-C7-C8
34	9	312	LUT	C1-C6-C7-C8
34	9	313	LUT	C5-C6-C7-C8
25	A	853	CLA	C2-C3-C5-C6
25	1	612	CLA	C2-C3-C5-C6
25	2	304	CLA	C2-C3-C5-C6
25	4	308	CLA	C2-C3-C5-C6
33	P	622	CHL	C2-C3-C5-C6
25	B	802	CLA	O1A-CGA-O2A-C1
27	8	319	LHG	C17-C18-C19-C20
25	Q	611	CLA	C4C-C3C-CAC-CBC

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	S	311	CLA	C11-C12-C13-C14
25	1	612	CLA	C16-C17-C18-C20
25	3	308	CLA	C16-C17-C18-C20
25	a	311	CLA	C16-C17-C18-C20
27	2	317	LHG	C13-C14-C15-C16
32	J	102	LMG	C10-C11-C12-C13
25	A	802	CLA	C2A-CAA-CBA-CGA
25	G	201	CLA	C2A-CAA-CBA-CGA
25	R	604	CLA	C2A-CAA-CBA-CGA
25	2	303	CLA	C2A-CAA-CBA-CGA
27	8	319	LHG	O7-C5-C6-O8
30	B	846	DGD	O2G-C2G-C3G-O3G
32	J	107	LMG	O1-C7-C8-O7
32	2	301	LMG	O1-C7-C8-O7
27	A	843	LHG	C3-O3-P-O6
27	P	618	LHG	C3-O3-P-O6
27	P	624	LHG	C3-O3-P-O6
27	Q	617	LHG	C3-O3-P-O6
27	R	618	LHG	C3-O3-P-O6
27	S	319	LHG	C3-O3-P-O6
27	T	617	LHG	C3-O3-P-O6
27	1	618	LHG	C3-O3-P-O6
27	1	618	LHG	C4-O6-P-O3
27	2	317	LHG	C3-O3-P-O6
27	4	318	LHG	C3-O3-P-O6
27	4	318	LHG	C4-O6-P-O3
27	4	319	LHG	C3-O3-P-O6
27	4	319	LHG	C4-O6-P-O3
27	a	317	LHG	C3-O3-P-O6
27	a	317	LHG	C4-O6-P-O3
27	7	317	LHG	C4-C5-C6-O8
25	B	805	CLA	C4-C3-C5-C6
25	B	816	CLA	C5-C6-C7-C8
25	B	826	CLA	C5-C6-C7-C8
25	B	830	CLA	C12-C13-C15-C16
25	Q	602	CLA	C6-C7-C8-C10
25	R	602	CLA	C6-C7-C8-C10
25	T	608	CLA	C12-C13-C15-C16
25	T	609	CLA	C11-C10-C8-C7
25	3	302	CLA	C11-C12-C13-C15
25	5	304	CLA	O1A-CGA-O2A-C1
27	A	843	LHG	C10-C11-C12-C13

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	851	CLA	C14-C13-C15-C16
25	B	801	CLA	C6-C7-C8-C9
25	B	806	CLA	C11-C10-C8-C9
25	B	806	CLA	C14-C13-C15-C16
25	B	813	CLA	C11-C10-C8-C9
25	B	822	CLA	C14-C13-C15-C16
25	B	830	CLA	C14-C13-C15-C16
25	B	837	CLA	C14-C13-C15-C16
25	B	849	CLA	C11-C10-C8-C9
25	Q	602	CLA	C6-C7-C8-C9
25	R	613	CLA	C11-C12-C13-C14
25	1	612	CLA	C6-C7-C8-C9
25	5	324	CLA	C6-C7-C8-C9
25	6	603	CLA	C11-C10-C8-C9
25	a	307	CLA	C11-C10-C8-C9
25	6	604	CLA	O1D-CGD-O2D-CED
35	P	620	XAT	C9-C10-C11-C12
35	Q	616	XAT	C9-C10-C11-C12
25	B	836	CLA	C16-C17-C18-C20
25	U	311	CLA	C2C-C3C-CAC-CBC
25	B	802	CLA	CBA-CGA-O2A-C1
25	T	611	CLA	CBA-CGA-O2A-C1
25	B	802	CLA	C8-C10-C11-C12
25	B	827	CLA	O1A-CGA-O2A-C1
27	2	317	LHG	C26-C27-C28-C29
32	J	102	LMG	C31-C32-C33-C34
25	4	307	CLA	C2A-CAA-CBA-CGA
25	7	313	CLA	C2A-CAA-CBA-CGA
27	6	618	LHG	C17-C18-C19-C20
28	6	621	BCR	C11-C12-C13-C35
27	B	847	LHG	C2-C3-O3-P
27	4	318	LHG	C2-C3-O3-P
25	T	611	CLA	O1A-CGA-O2A-C1
25	U	302	CLA	C10-C11-C12-C13
28	O	204	BCR	C7-C8-C9-C10
28	4	317	BCR	C17-C18-C19-C20
32	1	619	LMG	C20-C21-C22-C23
25	6	611	CLA	C5-C6-C7-C8
25	T	610	CLA	C4C-C3C-CAC-CBC
25	A	829	CLA	C4-C3-C5-C6
25	7	303	CLA	C4-C3-C5-C6
32	J	107	LMG	C28-C29-C30-C31

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
27	5	301	LHG	O1-C1-C2-O2
27	6	618	LHG	O1-C1-C2-O2
25	S	314	CLA	C16-C17-C18-C19
25	4	308	CLA	C11-C12-C13-C15
25	B	827	CLA	CBA-CGA-O2A-C1
25	S	305	CLA	CBA-CGA-O2A-C1
25	U	312	CLA	CBA-CGA-O2A-C1
25	1	608	CLA	CBA-CGA-O2A-C1
25	8	310	CLA	CBA-CGA-O2A-C1
27	7	317	LHG	C7-C8-C9-C10
25	B	820	CLA	C11-C12-C13-C14
25	R	602	CLA	C2A-CAA-CBA-CGA
25	S	311	CLA	C2A-CAA-CBA-CGA
25	3	301	CLA	C2A-CAA-CBA-CGA
25	9	303	CLA	C2A-CAA-CBA-CGA
25	B	836	CLA	C16-C17-C18-C19
25	5	310	CLA	C11-C12-C13-C14
25	B	810	CLA	C5-C6-C7-C8
27	Q	617	LHG	C28-C29-C30-C31
25	U	312	CLA	O1A-CGA-O2A-C1
25	8	310	CLA	O1A-CGA-O2A-C1
25	R	602	CLA	C10-C11-C12-C13
25	A	819	CLA	CAA-CBA-CGA-O2A
25	1	604	CLA	C4-C3-C5-C6
25	5	324	CLA	C4-C3-C5-C6
25	8	312	CLA	C4-C3-C5-C6
25	B	826	CLA	C2-C3-C5-C6
25	S	305	CLA	O1A-CGA-O2A-C1
25	B	811	CLA	O1D-CGD-O2D-CED
25	6	603	CLA	C10-C11-C12-C13
25	a	308	CLA	C8-C10-C11-C12
35	P	623	XAT	C7-C8-C9-C10
35	P	623	XAT	C9-C10-C11-C12
25	A	811	CLA	C2-C1-O2A-CGA
25	A	814	CLA	C2-C1-O2A-CGA
25	B	809	CLA	C2-C1-O2A-CGA
25	B	829	CLA	C2-C1-O2A-CGA
25	B	837	CLA	C2-C1-O2A-CGA
25	P	603	CLA	C2-C1-O2A-CGA
25	Q	603	CLA	C2-C1-O2A-CGA
25	S	320	CLA	C2-C1-O2A-CGA
25	U	303	CLA	C2-C1-O2A-CGA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	1	603	CLA	C2-C1-O2A-CGA
33	P	609	CHL	C2-C1-O2A-CGA
33	Q	608	CHL	C2-C1-O2A-CGA
33	R	609	CHL	C2-C1-O2A-CGA
33	T	607	CHL	C2C-C3C-CAC-CBC
25	T	609	CLA	C10-C11-C12-C13
25	A	816	CLA	C8-C10-C11-C12
25	A	828	CLA	C5-C6-C7-C8
25	B	812	CLA	C2A-CAA-CBA-CGA
25	P	602	CLA	C2A-CAA-CBA-CGA
25	Q	602	CLA	C2A-CAA-CBA-CGA
25	T	602	CLA	C2A-CAA-CBA-CGA
25	U	302	CLA	C2A-CAA-CBA-CGA
25	6	610	CLA	C2A-CAA-CBA-CGA
25	7	301	CLA	C2A-CAA-CBA-CGA
25	a	311	CLA	C2A-CAA-CBA-CGA
33	R	606	CHL	C2A-CAA-CBA-CGA
25	A	801	CLA	CAA-CBA-CGA-O2A
25	B	834	CLA	CBD-CGD-O2D-CED
25	U	311	CLA	C4C-C3C-CAC-CBC
27	A	844	LHG	C11-C12-C13-C14
27	5	321	LHG	C28-C29-C30-C31
25	B	803	CLA	C3A-C2A-CAA-CBA
25	B	815	CLA	C3A-C2A-CAA-CBA
25	R	604	CLA	C3A-C2A-CAA-CBA
25	5	324	CLA	C3A-C2A-CAA-CBA
25	8	302	CLA	C3A-C2A-CAA-CBA
25	A	838	CLA	C13-C15-C16-C17
25	A	832	CLA	C16-C17-C18-C19
25	3	302	CLA	C16-C17-C18-C19
31	B	850	SQD	O47-C7-C8-C9
32	6	602	LMG	C29-C30-C31-C32
27	S	319	LHG	C16-C17-C18-C19
25	B	826	CLA	C4-C3-C5-C6
25	L	205	CLA	C4-C3-C5-C6
32	6	602	LMG	C12-C13-C14-C15
25	1	608	CLA	C2-C3-C5-C6
25	7	302	CLA	CAA-CBA-CGA-O2A
25	A	810	CLA	C11-C10-C8-C9
25	A	818	CLA	C14-C13-C15-C16
25	L	205	CLA	C11-C10-C8-C9
25	P	603	CLA	C11-C12-C13-C14

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	Q	603	CLA	C11-C12-C13-C14
25	R	610	CLA	C14-C13-C15-C16
25	S	320	CLA	C11-C12-C13-C14
25	U	302	CLA	C6-C7-C8-C9
25	U	303	CLA	C11-C12-C13-C14
25	5	302	CLA	C11-C10-C8-C9
25	A	822	CLA	C13-C15-C16-C17
30	B	846	DGD	CEA-CFA-CGA-CHA
28	A	849	BCR	C11-C10-C9-C34
28	A	849	BCR	C16-C17-C18-C36
28	B	842	BCR	C11-C10-C9-C34
28	B	842	BCR	C20-C21-C22-C37
28	F	803	BCR	C35-C13-C14-C15
28	L	204	BCR	C11-C10-C9-C34
28	3	318	BCR	C35-C13-C14-C15
28	3	318	BCR	C16-C17-C18-C36
28	3	319	BCR	C35-C13-C14-C15
28	3	319	BCR	C16-C17-C18-C36
28	4	321	BCR	C20-C21-C22-C37
30	B	846	DGD	C1G-C2G-C3G-O3G
36	P	617	NEX	C39-C29-C30-C31
36	P	621	NEX	C39-C29-C30-C31
36	R	617	NEX	C39-C29-C30-C31
36	T	616	NEX	C39-C29-C30-C31
36	U	301	NEX	C39-C29-C30-C31
36	U	316	NEX	C39-C29-C30-C31
25	T	603	CLA	C2A-CAA-CBA-CGA
25	2	302	CLA	C2A-CAA-CBA-CGA
33	P	606	CHL	C2A-CAA-CBA-CGA
27	A	852	LHG	C13-C14-C15-C16
27	Q	617	LHG	C13-C14-C15-C16
25	R	611	CLA	C11-C12-C13-C14
25	S	311	CLA	C11-C12-C13-C15
25	B	836	CLA	O1D-CGD-O2D-CED
25	B	824	CLA	C2C-C3C-CAC-CBC
25	a	306	CLA	C3-C5-C6-C7
25	B	824	CLA	CBD-CGD-O2D-CED
27	P	624	LHG	C31-C32-C33-C34
32	7	318	LMG	C7-C8-O7-C10
25	B	815	CLA	C1A-C2A-CAA-CBA
25	B	830	CLA	C1A-C2A-CAA-CBA
25	B	837	CLA	C1A-C2A-CAA-CBA

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	R	604	CLA	C1A-C2A-CAA-CBA
25	S	315	CLA	C1A-C2A-CAA-CBA
25	3	305	CLA	C1A-C2A-CAA-CBA
25	5	319	CLA	C1A-C2A-CAA-CBA
25	5	324	CLA	C1A-C2A-CAA-CBA
25	8	302	CLA	C1A-C2A-CAA-CBA
25	8	311	CLA	C1A-C2A-CAA-CBA
33	6	606	CHL	C1A-C2A-CAA-CBA
33	6	608	CHL	C1A-C2A-CAA-CBA
33	7	305	CHL	C1A-C2A-CAA-CBA
25	A	814	CLA	C11-C10-C8-C7
25	B	824	CLA	C11-C12-C13-C15
25	B	826	CLA	C11-C10-C8-C7
25	L	201	CLA	C11-C10-C8-C7
25	P	612	CLA	C6-C7-C8-C10
25	R	612	CLA	C6-C7-C8-C10
25	1	603	CLA	C11-C12-C13-C15
25	2	304	CLA	C12-C13-C15-C16
25	6	601	CLA	C2-C3-C5-C6
25	7	308	CLA	C11-C10-C8-C7
25	1	609	CLA	C8-C10-C11-C12
32	2	301	LMG	C4-C5-C6-O5
25	A	834	CLA	CAA-CBA-CGA-O1A
34	S	316	LUT	C33-C34-C35-C15
35	T	615	XAT	C9-C10-C11-C12
33	P	605	CHL	C3C-C2C-CMC-OMC
33	Q	605	CHL	C3C-C2C-CMC-OMC
33	T	604	CHL	C3C-C2C-CMC-OMC
33	U	308	CHL	C3C-C2C-CMC-OMC
25	B	834	CLA	C3-C5-C6-C7
25	1	612	CLA	C3-C5-C6-C7
33	T	607	CHL	O1D-CGD-O2D-CED
25	B	811	CLA	C2A-CAA-CBA-CGA
25	B	815	CLA	C2A-CAA-CBA-CGA
25	1	612	CLA	C2A-CAA-CBA-CGA
33	T	605	CHL	C2A-CAA-CBA-CGA
33	U	306	CHL	C2A-CAA-CBA-CGA
25	A	801	CLA	C5-C6-C7-C8
25	A	807	CLA	C10-C11-C12-C13
25	P	602	CLA	C10-C11-C12-C13
33	U	306	CHL	O1A-CGA-O2A-C1
25	A	828	CLA	CAA-CBA-CGA-O2A

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	815	CLA	CAA-CBA-CGA-O2A
25	7	303	CLA	CBA-CGA-O2A-C1
27	8	319	LHG	C13-C14-C15-C16
33	U	309	CHL	C4C-C3C-CAC-CBC
32	H	204	LMG	C32-C33-C34-C35
27	A	844	LHG	C8-C7-O7-C5
25	1	607	CLA	C3-C5-C6-C7
25	Q	602	CLA	C10-C11-C12-C13
25	A	806	CLA	C4-C3-C5-C6
32	1	619	LMG	C12-C13-C14-C15
25	B	805	CLA	C2-C3-C5-C6
25	7	303	CLA	C2-C3-C5-C6
25	a	307	CLA	C2-C3-C5-C6
27	P	618	LHG	C31-C32-C33-C34
25	A	832	CLA	C16-C17-C18-C20
28	A	849	BCR	C11-C10-C9-C8
28	A	849	BCR	C16-C17-C18-C19
28	B	842	BCR	C11-C10-C9-C8
28	B	842	BCR	C20-C21-C22-C23
28	F	803	BCR	C12-C13-C14-C15
28	L	204	BCR	C11-C10-C9-C8
28	3	318	BCR	C12-C13-C14-C15
28	3	318	BCR	C16-C17-C18-C19
28	3	319	BCR	C12-C13-C14-C15
28	3	319	BCR	C16-C17-C18-C19
28	4	321	BCR	C20-C21-C22-C23
36	P	617	NEX	C28-C29-C30-C31
36	P	621	NEX	C28-C29-C30-C31
36	R	617	NEX	C28-C29-C30-C31
36	T	616	NEX	C28-C29-C30-C31
36	U	301	NEX	C28-C29-C30-C31
36	U	316	NEX	C28-C29-C30-C31
27	4	319	LHG	O7-C5-C6-O8
32	H	204	LMG	O7-C8-C9-O8
25	B	838	CLA	CBA-CGA-O2A-C1
25	5	309	CLA	O1D-CGD-O2D-CED
25	A	825	CLA	C2C-C3C-CAC-CBC
27	T	617	LHG	C31-C32-C33-C34
28	G	203	BCR	C9-C10-C11-C12
28	J	101	BCR	C19-C20-C21-C22
35	P	620	XAT	C29-C30-C31-C32
35	Q	616	XAT	C29-C30-C31-C32

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
35	T	615	XAT	C29-C30-C31-C32
25	7	303	CLA	O1A-CGA-O2A-C1
25	B	807	CLA	C16-C17-C18-C20
25	Q	612	CLA	C11-C12-C13-C14
27	R	618	LHG	C31-C32-C33-C34
27	4	319	LHG	C9-C10-C11-C12
33	T	607	CHL	CBD-CGD-O2D-CED
25	B	838	CLA	O1A-CGA-O2A-C1
25	1	608	CLA	O1A-CGA-O2A-C1
33	P	606	CHL	O1A-CGA-O2A-C1
27	S	319	LHG	C1-C2-C3-O3
25	A	834	CLA	CAA-CBA-CGA-O2A
25	A	805	CLA	C3-C5-C6-C7
25	B	808	CLA	C4-C3-C5-C6
33	1	606	CHL	C2-C1-O2A-CGA
25	A	804	CLA	C2-C1-O2A-CGA
25	A	836	CLA	C2-C1-O2A-CGA
25	B	802	CLA	C2-C1-O2A-CGA
25	B	826	CLA	C2-C1-O2A-CGA
25	a	302	CLA	C2-C1-O2A-CGA
33	P	606	CHL	C2-C1-O2A-CGA
33	Q	606	CHL	C2-C1-O2A-CGA
33	R	606	CHL	C2-C1-O2A-CGA
33	S	307	CHL	C2-C1-O2A-CGA
33	S	309	CHL	C2-C1-O2A-CGA
33	U	306	CHL	C2-C1-O2A-CGA
33	4	322	CHL	C2-C1-O2A-CGA
25	8	315	CLA	O1D-CGD-O2D-CED
25	A	829	CLA	C2-C3-C5-C6
33	a	305	CHL	C2-C1-O2A-CGA
33	R	606	CHL	O1A-CGA-O2A-C1
33	T	605	CHL	O1A-CGA-O2A-C1
25	A	807	CLA	C11-C10-C8-C9
25	A	837	CLA	C14-C13-C15-C16
25	B	807	CLA	C14-C13-C15-C16
25	P	602	CLA	C6-C7-C8-C9
25	S	313	CLA	C11-C10-C8-C9
25	T	602	CLA	C6-C7-C8-C9
25	5	302	CLA	C6-C7-C8-C9
25	6	603	CLA	C14-C13-C15-C16
25	U	310	CLA	C15-C16-C17-C18
33	Q	606	CHL	O1A-CGA-O2A-C1

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	Q	608	CHL	C2C-C3C-CAC-CBC
33	S	310	CHL	C4-C3-C5-C6
33	T	607	CHL	C4-C3-C5-C6
25	3	309	CLA	O1D-CGD-O2D-CED
27	B	847	LHG	O2-C2-C3-O3
33	R	609	CHL	C2C-C3C-CAC-CBC
33	Q	606	CHL	C2A-CAA-CBA-CGA
25	T	611	CLA	C11-C12-C13-C14
25	A	829	CLA	O1A-CGA-O2A-C1
25	4	303	CLA	O1A-CGA-O2A-C1
28	B	840	BCR	C23-C24-C25-C30
28	O	204	BCR	C1-C6-C7-C8
28	3	319	BCR	C1-C6-C7-C8
28	4	317	BCR	C1-C6-C7-C8
28	4	317	BCR	C5-C6-C7-C8
28	8	301	BCR	C23-C24-C25-C30
34	R	615	LUT	C1-C6-C7-C8
34	R	615	LUT	C5-C6-C7-C8
34	S	316	LUT	C1-C6-C7-C8
34	S	317	LUT	C1-C6-C7-C8
34	6	619	LUT	C1-C6-C7-C8
34	6	622	LUT	C1-C6-C7-C8
34	8	316	LUT	C1-C6-C7-C8
34	8	317	LUT	C1-C6-C7-C8
34	9	312	LUT	C5-C6-C7-C8
26	A	841	PQN	C18-C20-C21-C22
25	8	304	CLA	CAA-CBA-CGA-O2A
27	7	317	LHG	O1-C1-C2-C3
27	8	319	LHG	O1-C1-C2-C3
35	P	616	XAT	C9-C10-C11-C12
25	Q	612	CLA	CBA-CGA-O2A-C1
33	P	609	CHL	C2C-C3C-CAC-CBC
25	A	805	CLA	C4-C3-C5-C6
25	B	815	CLA	C4-C3-C5-C6
25	5	312	CLA	C4-C3-C5-C6
25	7	304	CLA	C1A-C2A-CAA-CBA
28	A	846	BCR	C7-C8-C9-C10
34	4	316	LUT	C11-C12-C13-C14
35	Q	616	XAT	C7-C8-C9-C10
35	T	615	XAT	C7-C8-C9-C10
36	R	617	NEX	C11-C12-C13-C14
25	A	837	CLA	C2-C3-C5-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	810	CLA	C2-C3-C5-C6
25	3	307	CLA	CAA-CBA-CGA-O2A
25	L	205	CLA	C13-C15-C16-C17
25	T	602	CLA	C10-C11-C12-C13
32	4	320	LMG	C8-C7-O1-C1
25	Q	612	CLA	O1A-CGA-O2A-C1
25	A	809	CLA	C8-C10-C11-C12
25	4	308	CLA	C10-C11-C12-C13
25	L	206	CLA	O1D-CGD-O2D-CED
25	R	611	CLA	CAA-CBA-CGA-O1A
33	R	605	CHL	CAA-CBA-CGA-O2A
25	B	803	CLA	C2A-CAA-CBA-CGA
25	3	307	CLA	C2A-CAA-CBA-CGA
25	B	801	CLA	CAA-CBA-CGA-O2A
25	A	829	CLA	CBA-CGA-O2A-C1
25	B	837	CLA	CBA-CGA-O2A-C1
33	R	606	CHL	CBA-CGA-O2A-C1
27	Q	617	LHG	C31-C32-C33-C34
25	3	312	CLA	CAA-CBA-CGA-O1A
25	3	307	CLA	O1A-CGA-O2A-C1
26	B	839	PQN	C14-C13-C15-C16
25	A	807	CLA	C11-C10-C8-C7
25	A	812	CLA	C12-C13-C15-C16
25	B	825	CLA	C12-C13-C15-C16
25	L	205	CLA	C2-C3-C5-C6
25	P	602	CLA	C6-C7-C8-C10
25	R	610	CLA	C12-C13-C15-C16
25	T	602	CLA	C6-C7-C8-C10
25	U	302	CLA	C6-C7-C8-C10
25	5	302	CLA	C6-C7-C8-C10
25	7	301	CLA	C11-C12-C13-C15
25	K	204	CLA	CAA-CBA-CGA-O2A
25	B	836	CLA	CBA-CGA-O2A-C1
33	P	606	CHL	CBA-CGA-O2A-C1
33	U	306	CHL	CBA-CGA-O2A-C1
25	A	818	CLA	C8-C10-C11-C12
25	A	827	CLA	O1A-CGA-O2A-C1
25	B	836	CLA	O1A-CGA-O2A-C1
27	A	843	LHG	C16-C17-C18-C19
27	A	852	LHG	C11-C12-C13-C14
25	a	303	CLA	C1-C2-C3-C4
25	a	302	CLA	CAA-CBA-CGA-O2A

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	B	807	CLA	C16-C17-C18-C19
25	B	837	CLA	O1A-CGA-O2A-C1
25	4	303	CLA	CBA-CGA-O2A-C1
25	9	309	CLA	CBA-CGA-O2A-C1
33	T	605	CHL	CBA-CGA-O2A-C1
25	3	314	CLA	O1D-CGD-O2D-CED
32	J	102	LMG	C33-C34-C35-C36
32	J	104	LMG	C30-C31-C32-C33
25	S	313	CLA	CAA-CBA-CGA-O2A
25	1	603	CLA	CAA-CBA-CGA-O2A
25	1	614	CLA	CAA-CBA-CGA-O2A
25	a	313	CLA	CAA-CBA-CGA-O2A
27	8	319	LHG	O8-C23-C24-C25
30	B	848	DGD	C4A-C5A-C6A-C7A
25	A	812	CLA	C16-C17-C18-C20
25	B	811	CLA	C16-C17-C18-C19
25	4	308	CLA	C11-C12-C13-C14
25	B	834	CLA	O1D-CGD-O2D-CED
30	B	846	DGD	C6B-C7B-C8B-C9B
25	3	312	CLA	CAA-CBA-CGA-O2A
25	A	827	CLA	CBA-CGA-O2A-C1
33	Q	606	CHL	CBA-CGA-O2A-C1
27	T	617	LHG	C13-C14-C15-C16
25	a	310	CLA	CAA-CBA-CGA-O2A
27	6	618	LHG	O8-C23-C24-C25
33	6	606	CHL	C4-C3-C5-C6
25	A	806	CLA	C2-C3-C5-C6
25	5	311	CLA	C2-C3-C5-C6
27	1	618	LHG	O7-C7-C8-C9
25	A	809	CLA	C6-C7-C8-C9
25	B	804	CLA	C6-C7-C8-C9
25	B	809	CLA	C6-C7-C8-C9
25	B	824	CLA	C11-C12-C13-C14
25	B	830	CLA	C11-C10-C8-C9
25	B	834	CLA	C11-C12-C13-C14
25	R	603	CLA	C11-C12-C13-C14
25	S	312	CLA	C6-C7-C8-C9
25	1	602	CLA	C6-C7-C8-C9
25	6	605	CLA	C11-C10-C8-C9
25	6	605	CLA	C14-C13-C15-C16
25	a	301	CLA	C6-C7-C8-C9
33	P	609	CHL	C11-C12-C13-C14

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
33	Q	608	CHL	C11-C12-C13-C14
33	R	609	CHL	C11-C12-C13-C14
27	A	843	LHG	C26-C27-C28-C29
25	A	853	CLA	C3A-C2A-CAA-CBA
25	B	834	CLA	C3A-C2A-CAA-CBA
25	S	314	CLA	C3A-C2A-CAA-CBA
33	6	606	CHL	C3A-C2A-CAA-CBA
33	6	608	CHL	C3A-C2A-CAA-CBA
25	P	603	CLA	CAA-CBA-CGA-O2A
25	3	310	CLA	CAA-CBA-CGA-O2A
27	a	317	LHG	O7-C7-C8-C9
33	9	307	CHL	CAA-CBA-CGA-O2A
25	A	807	CLA	CAD-CBD-CGD-O2D
25	A	831	CLA	CAD-CBD-CGD-O2D
25	A	837	CLA	CAD-CBD-CGD-O2D
25	B	808	CLA	CAD-CBD-CGD-O2D
25	B	818	CLA	CAD-CBD-CGD-O2D
25	B	822	CLA	CAD-CBD-CGD-O2D
25	B	823	CLA	CAD-CBD-CGD-O2D
25	B	827	CLA	CAD-CBD-CGD-O2D
25	B	828	CLA	CAD-CBD-CGD-O2D
25	B	834	CLA	CAD-CBD-CGD-O2D
25	B	835	CLA	CAD-CBD-CGD-O2D
25	B	838	CLA	CAD-CBD-CGD-O2D
25	K	205	CLA	CAD-CBD-CGD-O2D
25	L	201	CLA	CAD-CBD-CGD-O2D
25	R	604	CLA	CAD-CBD-CGD-O2D
25	1	603	CLA	CAD-CBD-CGD-O2D
25	1	605	CLA	CAD-CBD-CGD-O2D
25	3	310	CLA	CAD-CBD-CGD-O2D
25	4	302	CLA	CAD-CBD-CGD-O2D
25	4	308	CLA	CAD-CBD-CGD-O2D
25	4	312	CLA	CAD-CBD-CGD-O2D
25	5	303	CLA	CAD-CBD-CGD-O2D
25	5	313	CLA	CAD-CBD-CGD-O2D
25	6	605	CLA	CAD-CBD-CGD-O2D
25	7	304	CLA	CAD-CBD-CGD-O2D
25	7	310	CLA	CAD-CBD-CGD-O2D
25	7	312	CLA	CAD-CBD-CGD-O2D
25	9	302	CLA	CAD-CBD-CGD-O2D
25	9	305	CLA	CAD-CBD-CGD-O2D
25	a	302	CLA	CAD-CBD-CGD-O2D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	a	303	CLA	CAD-CBD-CGD-O2D
25	a	304	CLA	CAD-CBD-CGD-O2D
33	S	306	CHL	CAD-CBD-CGD-O2D
33	9	306	CHL	CAD-CBD-CGD-O2D
32	J	107	LMG	C29-C30-C31-C32
33	U	305	CHL	CAA-CBA-CGA-O2A
25	B	835	CLA	CAA-CBA-CGA-O2A
25	T	609	CLA	CAA-CBA-CGA-O2A
27	2	317	LHG	C29-C30-C31-C32
30	B	846	DGD	C7B-C8B-C9B-CAB
31	B	850	SQD	C25-C26-C27-C28
25	B	814	CLA	C3-C5-C6-C7
25	A	810	CLA	CAA-CBA-CGA-O2A
25	1	611	CLA	CAA-CBA-CGA-O2A
25	2	304	CLA	CAA-CBA-CGA-O2A
25	5	309	CLA	CAA-CBA-CGA-O2A
30	B	848	DGD	C8B-C9B-CAB-CBB
28	B	840	BCR	C21-C22-C23-C24
28	B	842	BCR	C7-C8-C9-C10
28	I	201	BCR	C7-C8-C9-C10
28	6	621	BCR	C11-C12-C13-C14
36	P	617	NEX	O24-C26-C27-C28
36	R	617	NEX	O24-C26-C27-C28
36	T	616	NEX	O24-C26-C27-C28
36	U	301	NEX	O24-C26-C27-C28
36	U	316	NEX	O24-C26-C27-C28
27	P	624	LHG	C13-C14-C15-C16
27	A	852	LHG	O6-C4-C5-O7
25	B	830	CLA	C13-C15-C16-C17
25	A	806	CLA	CAA-CBA-CGA-O2A
25	A	823	CLA	CAA-CBA-CGA-O2A
25	R	603	CLA	CAA-CBA-CGA-O2A
33	R	606	CHL	O2A-C1-C2-C3
25	8	304	CLA	CAA-CBA-CGA-O1A
27	P	618	LHG	C13-C14-C15-C16
25	A	806	CLA	O2A-C1-C2-C3
25	A	851	CLA	O2A-C1-C2-C3
25	P	603	CLA	O2A-C1-C2-C3
25	Q	603	CLA	O2A-C1-C2-C3
25	R	603	CLA	O2A-C1-C2-C3
25	S	320	CLA	O2A-C1-C2-C3
25	U	303	CLA	O2A-C1-C2-C3

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	9	305	CLA	O2A-C1-C2-C3
33	P	607	CHL	O2A-C1-C2-C3
33	P	619	CHL	O2A-C1-C2-C3
33	R	607	CHL	O2A-C1-C2-C3
33	S	308	CHL	O2A-C1-C2-C3
33	S	321	CHL	O2A-C1-C2-C3
33	U	307	CHL	O2A-C1-C2-C3
33	6	608	CHL	O2A-C1-C2-C3
27	8	319	LHG	C27-C28-C29-C30
25	A	813	CLA	C6-C7-C8-C9
25	J	103	CLA	CAA-CBA-CGA-O2A
25	U	303	CLA	CAA-CBA-CGA-O2A
25	4	302	CLA	CAA-CBA-CGA-O2A
25	7	313	CLA	CAA-CBA-CGA-O2A
25	A	809	CLA	C13-C15-C16-C17
25	A	804	CLA	CHA-CBD-CGD-O1D
25	A	804	CLA	CHA-CBD-CGD-O2D
25	A	835	CLA	CHA-CBD-CGD-O1D
25	A	837	CLA	CHA-CBD-CGD-O1D
25	A	851	CLA	CHA-CBD-CGD-O1D
25	A	851	CLA	CHA-CBD-CGD-O2D
25	B	819	CLA	CHA-CBD-CGD-O1D
25	B	819	CLA	CHA-CBD-CGD-O2D
25	G	202	CLA	CHA-CBD-CGD-O2D
25	J	103	CLA	CHA-CBD-CGD-O1D
25	K	202	CLA	CHA-CBD-CGD-O2D
25	Q	613	CLA	CHA-CBD-CGD-O1D
25	Q	613	CLA	CHA-CBD-CGD-O2D
25	R	614	CLA	CHA-CBD-CGD-O1D
25	R	614	CLA	CHA-CBD-CGD-O2D
25	S	301	CLA	CHA-CBD-CGD-O1D
25	S	301	CLA	CHA-CBD-CGD-O2D
25	S	303	CLA	CHA-CBD-CGD-O2D
25	S	304	CLA	CHA-CBD-CGD-O2D
25	S	305	CLA	CHA-CBD-CGD-O2D
25	T	612	CLA	CHA-CBD-CGD-O1D
25	T	612	CLA	CHA-CBD-CGD-O2D
25	U	313	CLA	CHA-CBD-CGD-O1D
25	U	313	CLA	CHA-CBD-CGD-O2D
25	1	612	CLA	CHA-CBD-CGD-O2D
25	2	304	CLA	CHA-CBD-CGD-O2D
25	2	311	CLA	CHA-CBD-CGD-O1D

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	2	311	CLA	CHA-CBD-CGD-O2D
25	3	301	CLA	CHA-CBD-CGD-O1D
25	3	301	CLA	CHA-CBD-CGD-O2D
25	3	314	CLA	CHA-CBD-CGD-O1D
25	3	314	CLA	CHA-CBD-CGD-O2D
25	4	303	CLA	CHA-CBD-CGD-O1D
25	4	303	CLA	CHA-CBD-CGD-O2D
25	5	311	CLA	CHA-CBD-CGD-O2D
25	5	315	CLA	CHA-CBD-CGD-O1D
25	5	315	CLA	CHA-CBD-CGD-O2D
25	7	301	CLA	CHA-CBD-CGD-O1D
25	8	304	CLA	CHA-CBD-CGD-O1D
25	8	304	CLA	CHA-CBD-CGD-O2D
25	8	306	CLA	CHA-CBD-CGD-O1D
25	9	303	CLA	CHA-CBD-CGD-O1D
25	9	304	CLA	CHA-CBD-CGD-O1D
25	9	304	CLA	CHA-CBD-CGD-O2D
25	9	310	CLA	CHA-CBD-CGD-O1D
25	9	310	CLA	CHA-CBD-CGD-O2D
25	a	301	CLA	CHA-CBD-CGD-O1D
33	P	607	CHL	CHA-CBD-CGD-O1D
33	P	607	CHL	CHA-CBD-CGD-O2D
33	P	619	CHL	CHA-CBD-CGD-O1D
33	P	619	CHL	CHA-CBD-CGD-O2D
33	R	607	CHL	CHA-CBD-CGD-O1D
33	R	607	CHL	CHA-CBD-CGD-O2D
33	S	309	CHL	CHA-CBD-CGD-O1D
33	S	309	CHL	CHA-CBD-CGD-O2D
33	S	321	CHL	CHA-CBD-CGD-O1D
33	S	321	CHL	CHA-CBD-CGD-O2D
33	U	307	CHL	CHA-CBD-CGD-O1D
33	U	307	CHL	CHA-CBD-CGD-O2D
33	6	608	CHL	CHA-CBD-CGD-O1D
33	6	608	CHL	CHA-CBD-CGD-O2D
35	P	616	XAT	C29-C30-C31-C32
33	U	305	CHL	CAA-CBA-CGA-O1A
25	S	320	CLA	CAA-CBA-CGA-O2A
25	9	309	CLA	CAA-CBA-CGA-O2A
27	A	852	LHG	O7-C7-C8-C9
25	A	805	CLA	C2-C3-C5-C6
25	K	205	CLA	CAA-CBA-CGA-O2A
25	Q	603	CLA	CAA-CBA-CGA-O2A

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	6	616	CLA	CAA-CBA-CGA-O2A
25	9	304	CLA	CAA-CBA-CGA-O2A
25	A	831	CLA	O1A-CGA-O2A-C1
25	1	610	CLA	C4C-C3C-CAC-CBC
33	T	607	CHL	C4C-C3C-CAC-CBC
25	2	303	CLA	CAA-CBA-CGA-O2A
25	4	311	CLA	CAA-CBA-CGA-O2A
27	Q	617	LHG	O8-C23-C24-C25
27	S	319	LHG	C15-C16-C17-C18
25	B	810	CLA	C2A-CAA-CBA-CGA
25	3	308	CLA	C2A-CAA-CBA-CGA
27	a	317	LHG	C11-C10-C9-C8
25	A	831	CLA	CBA-CGA-O2A-C1
25	3	307	CLA	CBA-CGA-O2A-C1
25	B	818	CLA	O1A-CGA-O2A-C1
25	B	826	CLA	CAA-CBA-CGA-O2A
25	H	203	CLA	CAA-CBA-CGA-O2A
25	9	305	CLA	CAA-CBA-CGA-O2A
33	5	307	CHL	CAA-CBA-CGA-O2A
25	A	818	CLA	C6-C7-C8-C10
25	B	802	CLA	C11-C12-C13-C15
25	7	311	CLA	C6-C7-C8-C10
25	B	811	CLA	C16-C17-C18-C20
25	Q	609	CLA	C16-C17-C18-C19
27	5	301	LHG	O8-C23-C24-C25
25	A	832	CLA	C6-C7-C8-C9
25	B	826	CLA	C11-C10-C8-C9
25	B	830	CLA	C11-C12-C13-C14
25	L	201	CLA	C11-C10-C8-C9
25	U	312	CLA	C11-C12-C13-C14
25	1	603	CLA	C11-C12-C13-C14
33	T	601	CHL	O2A-C1-C2-C3
25	7	311	CLA	CBA-CGA-O2A-C1
25	7	311	CLA	O1A-CGA-O2A-C1
33	R	605	CHL	CAA-CBA-CGA-O1A
25	A	806	CLA	C2A-CAA-CBA-CGA
25	5	310	CLA	C2A-CAA-CBA-CGA
25	a	313	CLA	CAA-CBA-CGA-O1A
25	a	309	CLA	C4C-C3C-CAC-CBC
25	A	814	CLA	CAA-CBA-CGA-O2A
25	B	818	CLA	CBA-CGA-O2A-C1
28	B	840	BCR	C36-C18-C19-C20

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	A	823	CLA	CAA-CBA-CGA-O1A
25	1	611	CLA	CAA-CBA-CGA-O1A
25	a	310	CLA	CAA-CBA-CGA-O1A
25	B	805	CLA	C16-C17-C18-C19
25	S	312	CLA	C4-C3-C5-C6
25	K	204	CLA	CAA-CBA-CGA-O1A
25	4	312	CLA	CAA-CBA-CGA-O2A
27	a	317	LHG	O9-C7-C8-C9
25	A	814	CLA	C1A-C2A-CAA-CBA
25	A	825	CLA	C1A-C2A-CAA-CBA
25	A	826	CLA	C1A-C2A-CAA-CBA
25	A	851	CLA	C1A-C2A-CAA-CBA
25	A	853	CLA	C1A-C2A-CAA-CBA
25	B	803	CLA	C1A-C2A-CAA-CBA
25	S	314	CLA	C1A-C2A-CAA-CBA
25	2	303	CLA	C1A-C2A-CAA-CBA
25	4	310	CLA	C1A-C2A-CAA-CBA
25	6	613	CLA	C1A-C2A-CAA-CBA
25	7	313	CLA	C1A-C2A-CAA-CBA
25	9	309	CLA	C1A-C2A-CAA-CBA
25	a	309	CLA	C1A-C2A-CAA-CBA
33	4	306	CHL	C1A-C2A-CAA-CBA
25	1	603	CLA	CAA-CBA-CGA-O1A
25	3	310	CLA	CAA-CBA-CGA-O1A
25	a	302	CLA	CAA-CBA-CGA-O1A
25	5	314	CLA	CAA-CBA-CGA-O2A
25	9	309	CLA	O1A-CGA-O2A-C1
25	A	808	CLA	C2-C1-O2A-CGA
33	T	605	CHL	C2-C1-O2A-CGA
25	1	614	CLA	CAA-CBA-CGA-O1A
25	9	309	CLA	CAA-CBA-CGA-O1A
27	6	618	LHG	O10-C23-C24-C25
25	a	301	CLA	CAA-CBA-CGA-O2A
25	H	203	CLA	C2A-CAA-CBA-CGA
25	2	309	CLA	C2A-CAA-CBA-CGA
25	8	315	CLA	C2A-CAA-CBA-CGA
25	L	206	CLA	CBD-CGD-O2D-CED
32	J	104	LMG	C29-C30-C31-C32
25	B	830	CLA	C16-C17-C18-C20
25	P	603	CLA	CAA-CBA-CGA-O1A
27	1	618	LHG	O9-C7-C8-C9
33	9	307	CHL	CAA-CBA-CGA-O1A

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	5	319	CLA	C4C-C3C-CAC-CBC
31	B	850	SQD	C34-C35-C36-C37
25	S	313	CLA	CAA-CBA-CGA-O1A
25	4	311	CLA	CAA-CBA-CGA-O1A
25	5	324	CLA	C2-C3-C5-C6
25	8	312	CLA	C2-C3-C5-C6
25	6	614	CLA	CAA-CBA-CGA-O2A
27	1	618	LHG	C3-O3-P-O5
27	1	618	LHG	C4-O6-P-O5
27	4	318	LHG	C4-O6-P-O5
27	4	319	LHG	C3-O3-P-O5
27	6	618	LHG	C4-O6-P-O4
27	a	317	LHG	C3-O3-P-O5
27	a	317	LHG	C4-O6-P-O5
25	3	308	CLA	O1D-CGD-O2D-CED
33	P	609	CHL	C4C-C3C-CAC-CBC
33	Q	608	CHL	C4C-C3C-CAC-CBC
33	R	609	CHL	C4C-C3C-CAC-CBC
25	A	806	CLA	CAA-CBA-CGA-O1A
25	A	810	CLA	CAA-CBA-CGA-O1A
25	S	320	CLA	CAA-CBA-CGA-O1A
25	T	609	CLA	CAA-CBA-CGA-O1A
25	6	616	CLA	CAA-CBA-CGA-O1A
25	7	313	CLA	CAA-CBA-CGA-O1A
25	9	304	CLA	CAA-CBA-CGA-O1A
25	K	205	CLA	CAA-CBA-CGA-O1A
28	B	840	BCR	C23-C24-C25-C26
28	3	319	BCR	C5-C6-C7-C8
34	S	316	LUT	C5-C6-C7-C8
25	B	835	CLA	CAA-CBA-CGA-O1A
25	J	103	CLA	CAA-CBA-CGA-O1A
25	Q	603	CLA	CAA-CBA-CGA-O1A
25	R	603	CLA	CAA-CBA-CGA-O1A
25	U	303	CLA	CAA-CBA-CGA-O1A
25	5	309	CLA	CAA-CBA-CGA-O1A
27	A	852	LHG	O9-C7-C8-C9
27	8	319	LHG	O10-C23-C24-C25
25	A	816	CLA	CAA-CBA-CGA-O2A
25	1	602	CLA	CAA-CBA-CGA-O2A
25	8	312	CLA	CAA-CBA-CGA-O2A
27	P	618	LHG	O8-C23-C24-C25
27	P	624	LHG	O8-C23-C24-C25

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	5	310	CLA	C5-C6-C7-C8
25	5	319	CLA	C2C-C3C-CAC-CBC
33	U	309	CHL	C2-C1-O2A-CGA
25	R	613	CLA	CBA-CGA-O2A-C1
25	K	201	CLA	C2A-CAA-CBA-CGA
25	2	304	CLA	CAA-CBA-CGA-O1A
27	Q	617	LHG	O10-C23-C24-C25
27	T	617	LHG	O8-C23-C24-C25
27	7	317	LHG	O8-C23-C24-C25
25	4	302	CLA	CAA-CBA-CGA-O1A
25	B	815	CLA	C2-C3-C5-C6
25	A	807	CLA	C16-C17-C18-C19
25	A	821	CLA	CAD-CBD-CGD-O1D
25	A	834	CLA	CAD-CBD-CGD-O1D
25	A	835	CLA	CAD-CBD-CGD-O1D
25	A	851	CLA	CAD-CBD-CGD-O1D
25	K	201	CLA	C2-C3-C5-C6
25	S	314	CLA	CAD-CBD-CGD-O1D
25	2	308	CLA	CAD-CBD-CGD-O1D
25	5	315	CLA	CAD-CBD-CGD-O1D
25	7	308	CLA	CAD-CBD-CGD-O1D
25	8	304	CLA	CAD-CBD-CGD-O1D
25	9	303	CLA	CAD-CBD-CGD-O1D
32	7	318	LMG	C9-C8-O7-C10
33	4	304	CHL	CAD-CBD-CGD-O1D
33	6	608	CHL	CAD-CBD-CGD-O1D
27	2	317	LHG	C11-C10-C9-C8
25	B	806	CLA	CAA-CBA-CGA-O2A
25	6	601	CLA	CAA-CBA-CGA-O2A
27	R	618	LHG	O8-C23-C24-C25
25	A	807	CLA	C5-C6-C7-C8
25	B	802	CLA	C11-C12-C13-C14
25	4	311	CLA	C6-C7-C8-C9
25	7	311	CLA	C11-C12-C13-C14
27	R	618	LHG	C13-C14-C15-C16
25	5	309	CLA	CBD-CGD-O2D-CED
25	R	613	CLA	O1A-CGA-O2A-C1
25	L	205	CLA	C3-C5-C6-C7
25	A	822	CLA	CAA-CBA-CGA-O2A
25	A	840	CLA	CAA-CBA-CGA-O2A
25	H	201	CLA	CAA-CBA-CGA-O2A
25	S	314	CLA	CAA-CBA-CGA-O2A

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	3	314	CLA	CAA-CBA-CGA-O2A
25	5	312	CLA	CAA-CBA-CGA-O2A
30	B	848	DGD	O2G-C1B-C2B-C3B
33	U	307	CHL	CAA-CBA-CGA-O2A
33	8	307	CHL	CAA-CBA-CGA-O2A
25	S	304	CLA	C13-C15-C16-C17
25	4	301	CLA	C5-C6-C7-C8
27	R	618	LHG	C28-C29-C30-C31
25	H	203	CLA	CAA-CBA-CGA-O1A
25	A	840	CLA	C5-C6-C7-C8
25	B	807	CLA	C2A-CAA-CBA-CGA
25	4	308	CLA	C2A-CAA-CBA-CGA
25	B	805	CLA	CAA-CBA-CGA-O2A
25	B	822	CLA	CAA-CBA-CGA-O2A
25	R	610	CLA	CAA-CBA-CGA-O2A
25	4	301	CLA	CAA-CBA-CGA-O2A
25	9	302	CLA	CAA-CBA-CGA-O2A
33	R	601	CHL	CAA-CBA-CGA-O2A
33	T	601	CHL	CAA-CBA-CGA-O2A
33	3	306	CHL	CAA-CBA-CGA-O2A
25	S	312	CLA	C8-C10-C11-C12
25	8	313	CLA	C13-C15-C16-C17
25	B	826	CLA	CAA-CBA-CGA-O1A
25	a	301	CLA	CAA-CBA-CGA-O1A
27	4	318	LHG	C29-C30-C31-C32
25	A	809	CLA	C4-C3-C5-C6
25	T	609	CLA	C4-C3-C5-C6
25	B	833	CLA	C10-C11-C12-C13
25	A	808	CLA	C6-C7-C8-C10
25	A	820	CLA	C11-C10-C8-C7
25	A	830	CLA	C6-C7-C8-C10
25	A	832	CLA	C6-C7-C8-C10
25	A	837	CLA	C12-C13-C15-C16
25	A	840	CLA	C11-C10-C8-C7
25	B	802	CLA	C12-C13-C15-C16
25	B	830	CLA	C11-C10-C8-C7
25	B	849	CLA	C3A-C2A-CAA-CBA
25	L	201	CLA	C11-C12-C13-C15
25	R	602	CLA	C12-C13-C15-C16
25	S	313	CLA	C11-C10-C8-C7
25	U	302	CLA	C12-C13-C15-C16
25	1	604	CLA	C2-C3-C5-C6

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
25	3	303	CLA	C11-C10-C8-C7
25	3	314	CLA	C6-C7-C8-C10
25	4	310	CLA	C3A-C2A-CAA-CBA
25	9	309	CLA	C6-C7-C8-C10
33	U	308	CHL	C3A-C2A-CAA-CBA
25	2	303	CLA	CAA-CBA-CGA-O1A
25	9	305	CLA	CAA-CBA-CGA-O1A
25	A	815	CLA	CAA-CBA-CGA-O2A
25	P	610	CLA	CAA-CBA-CGA-O2A
25	Q	609	CLA	CAA-CBA-CGA-O2A
25	2	311	CLA	CAA-CBA-CGA-O2A
25	5	311	CLA	CAA-CBA-CGA-O2A
25	9	310	CLA	CAA-CBA-CGA-O2A
33	P	601	CHL	CAA-CBA-CGA-O2A
33	P	607	CHL	CAA-CBA-CGA-O2A
33	P	619	CHL	CAA-CBA-CGA-O2A
33	Q	601	CHL	CAA-CBA-CGA-O2A
33	R	607	CHL	CAA-CBA-CGA-O2A
33	S	321	CHL	CAA-CBA-CGA-O2A
25	6	605	CLA	C3-C5-C6-C7
28	A	845	BCR	C7-C8-C9-C10
28	8	318	BCR	C7-C8-C9-C10
34	4	315	LUT	C11-C12-C13-C14
36	U	301	NEX	C11-C12-C13-C14
25	A	814	CLA	CAA-CBA-CGA-O1A
33	P	601	CHL	CAA-CBA-CGA-O1A
33	P	607	CHL	CAA-CBA-CGA-O1A
33	P	619	CHL	CAA-CBA-CGA-O1A
33	Q	601	CHL	CAA-CBA-CGA-O1A
33	R	607	CHL	CAA-CBA-CGA-O1A
28	L	204	BCR	C15-C16-C17-C18
35	P	623	XAT	C29-C30-C31-C32
36	P	621	NEX	C13-C14-C15-C35
25	S	304	CLA	CAA-CBA-CGA-O2A
25	T	608	CLA	CAA-CBA-CGA-O2A
25	3	305	CLA	CAA-CBA-CGA-O2A
33	P	622	CHL	CAA-CBA-CGA-O2A
25	3	314	CLA	C5-C6-C7-C8
27	A	852	LHG	C34-C35-C36-C37
25	A	815	CLA	CAA-CBA-CGA-O1A
25	H	201	CLA	CAA-CBA-CGA-O1A
25	S	314	CLA	CAA-CBA-CGA-O1A

*Continued on next page...*

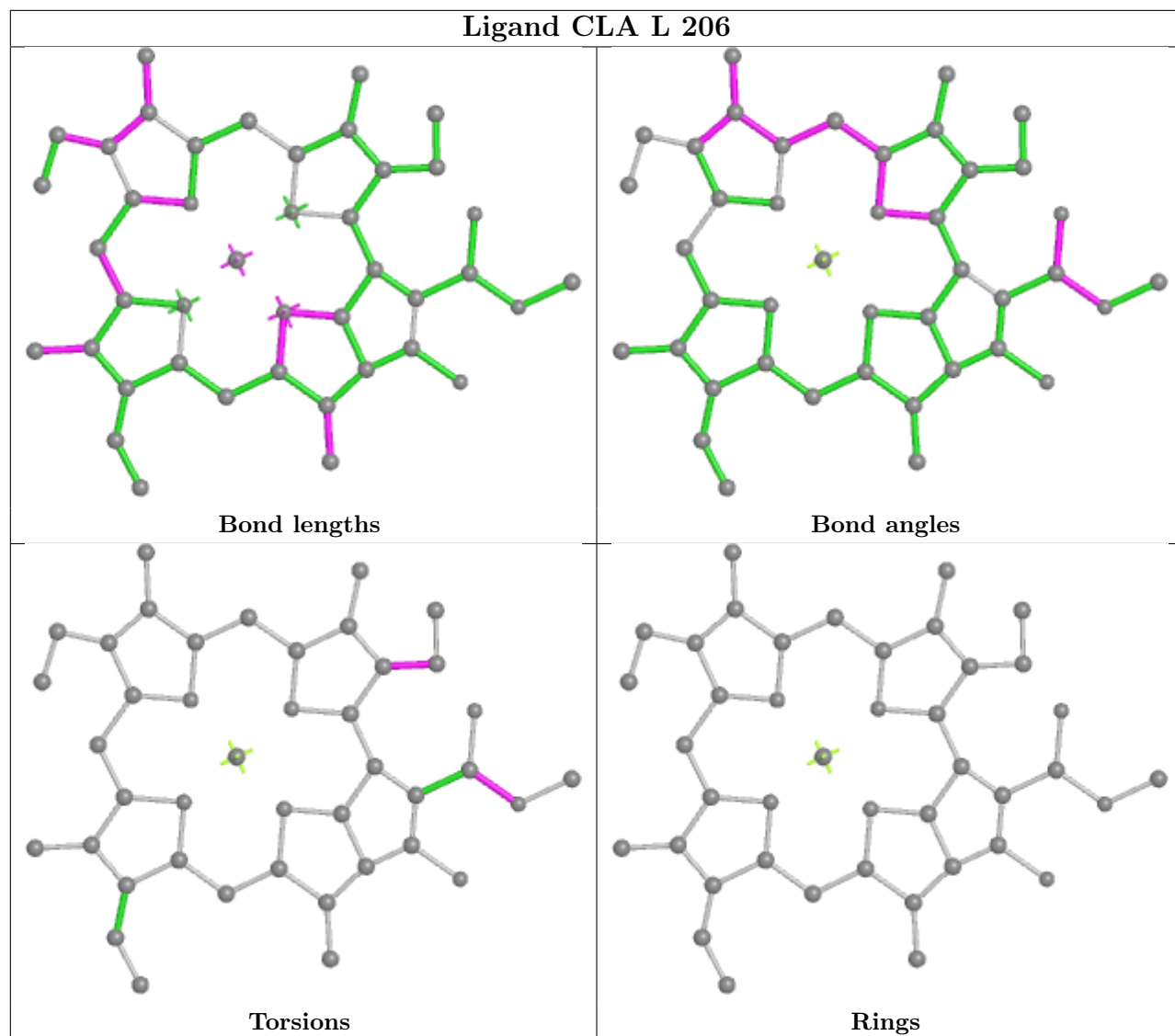
*Continued from previous page...*

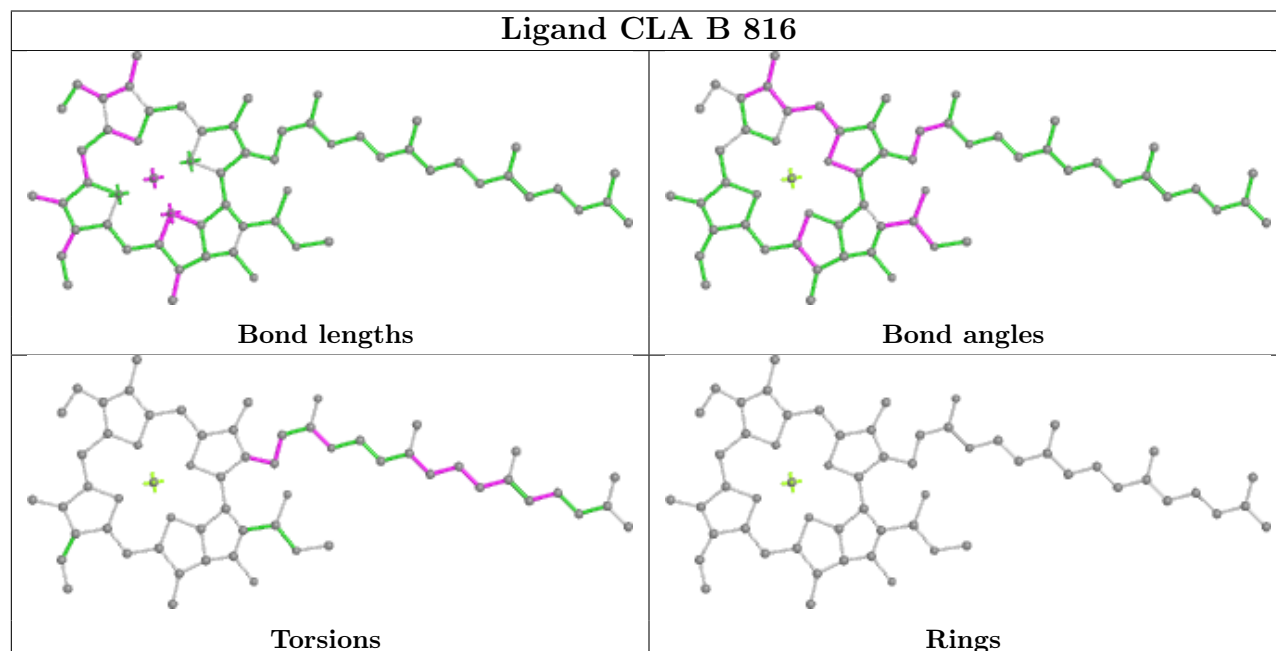
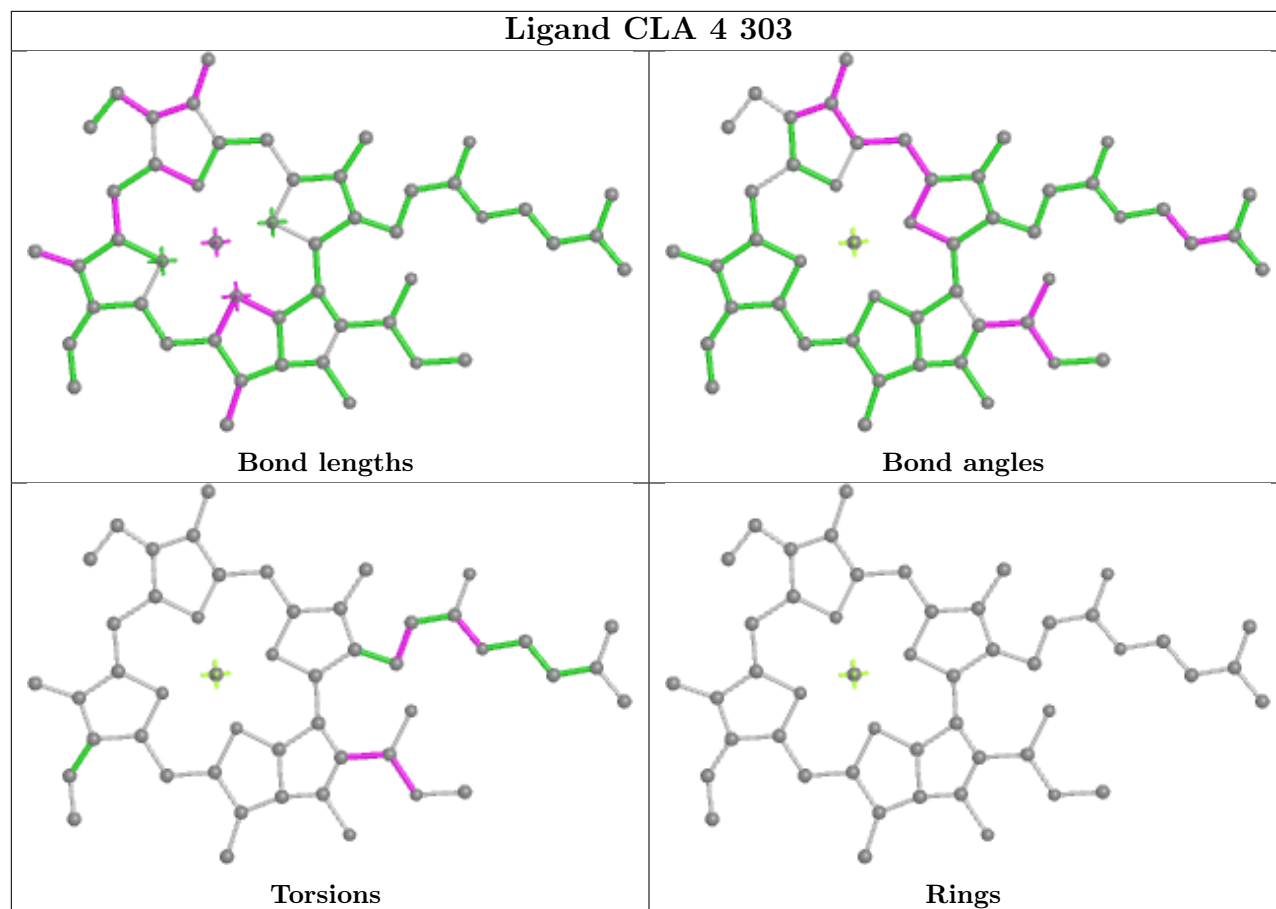
Mol	Chain	Res	Type	Atoms
25	1	602	CLA	CAA-CBA-CGA-O1A
25	5	311	CLA	CAA-CBA-CGA-O1A
27	P	618	LHG	O10-C23-C24-C25
33	R	601	CHL	CAA-CBA-CGA-O1A
25	B	802	CLA	CAA-CBA-CGA-O2A
25	U	310	CLA	CAA-CBA-CGA-O2A
25	5	324	CLA	CAA-CBA-CGA-O2A
32	J	104	LMG	O7-C10-C11-C12
25	3	314	CLA	CAA-CBA-CGA-O1A
25	4	301	CLA	CAA-CBA-CGA-O1A
27	P	624	LHG	O10-C23-C24-C25
27	R	618	LHG	O10-C23-C24-C25
27	T	617	LHG	O10-C23-C24-C25
33	8	307	CHL	CAA-CBA-CGA-O1A
25	7	308	CLA	C2A-CAA-CBA-CGA
25	8	302	CLA	C2A-CAA-CBA-CGA
25	5	314	CLA	CAA-CBA-CGA-O1A
25	1	608	CLA	C10-C11-C12-C13
25	9	302	CLA	CAA-CBA-CGA-O1A
25	9	310	CLA	CAA-CBA-CGA-O1A
33	U	307	CHL	CAA-CBA-CGA-O1A
33	3	306	CHL	CAA-CBA-CGA-O1A
25	B	821	CLA	CAA-CBA-CGA-O2A
33	S	302	CHL	CAA-CBA-CGA-O2A

There are no ring outliers.

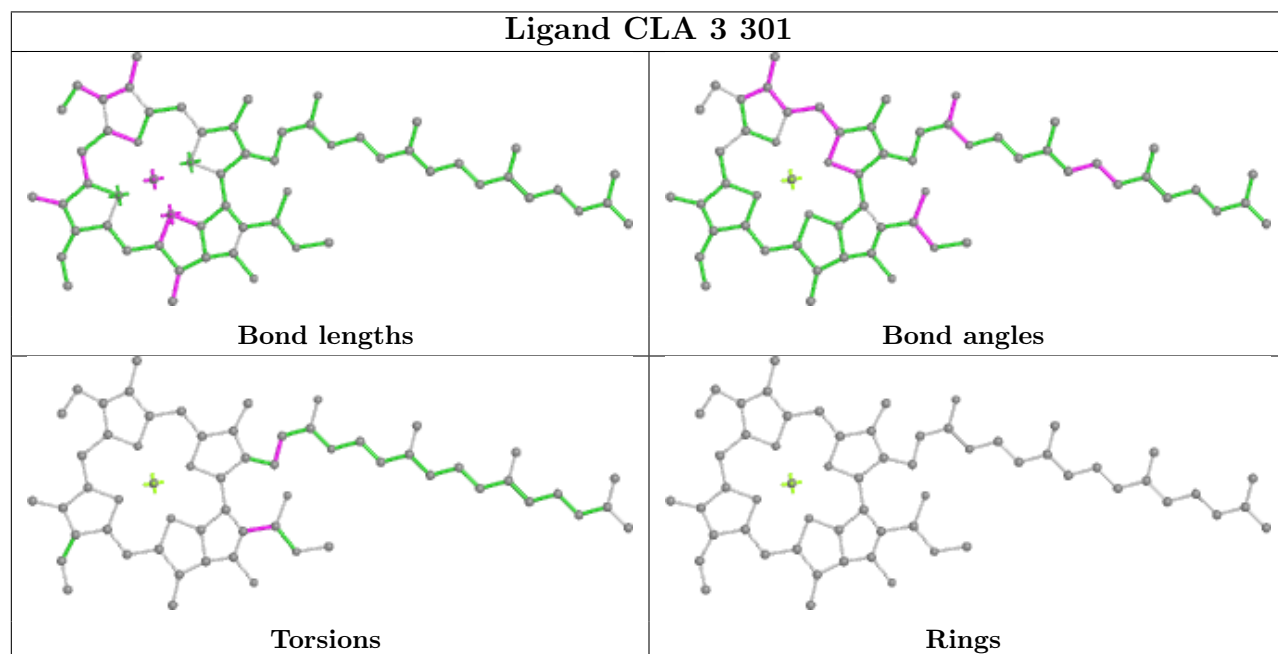
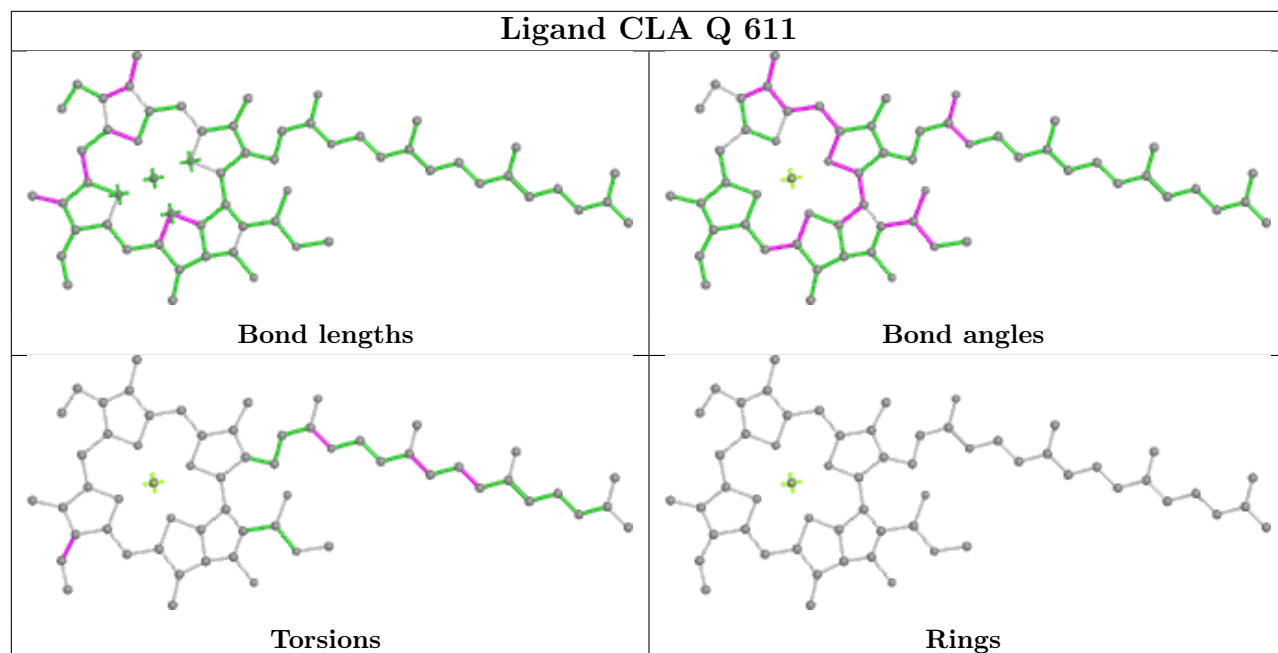
No monomer is involved in short contacts.

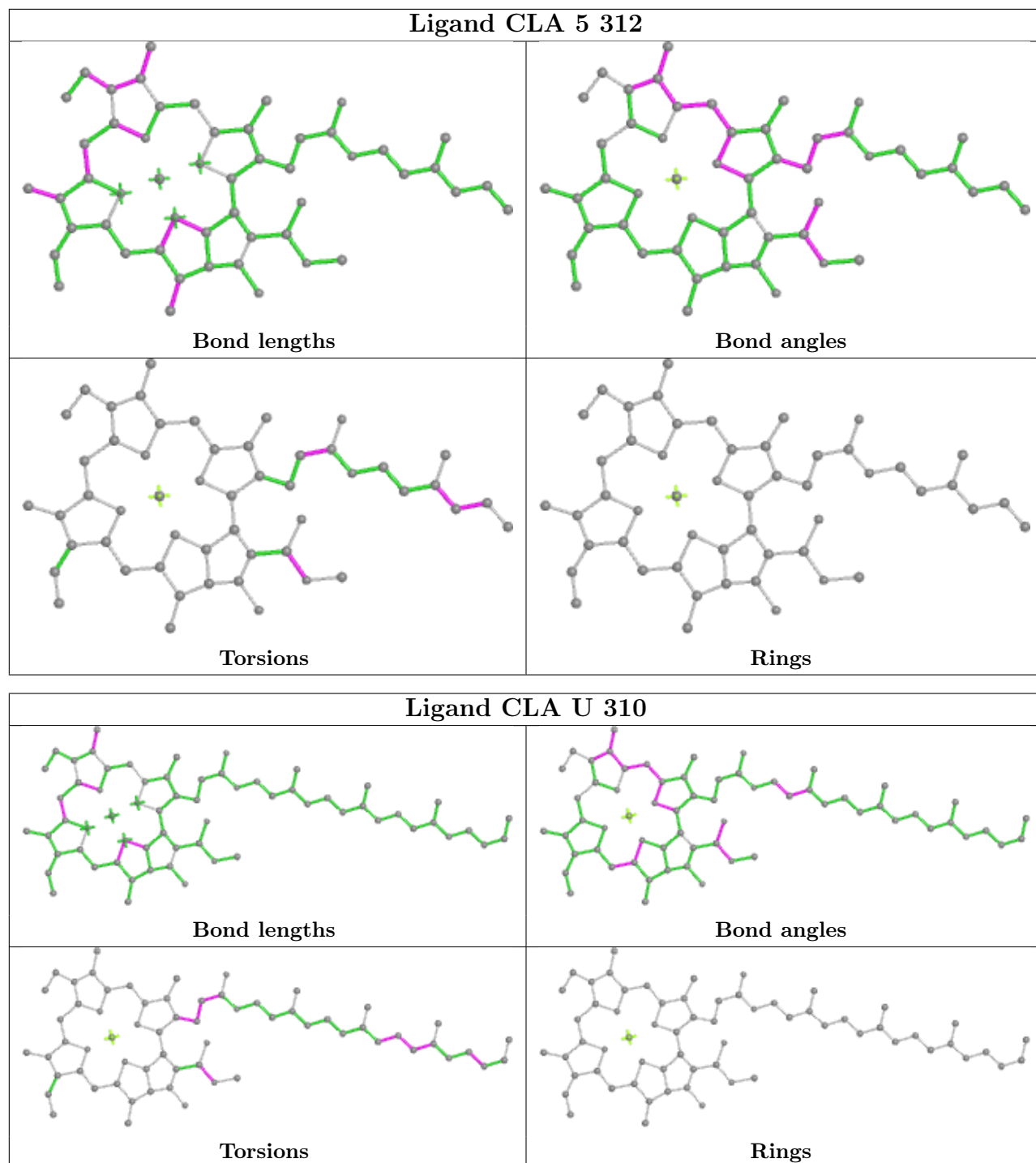
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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

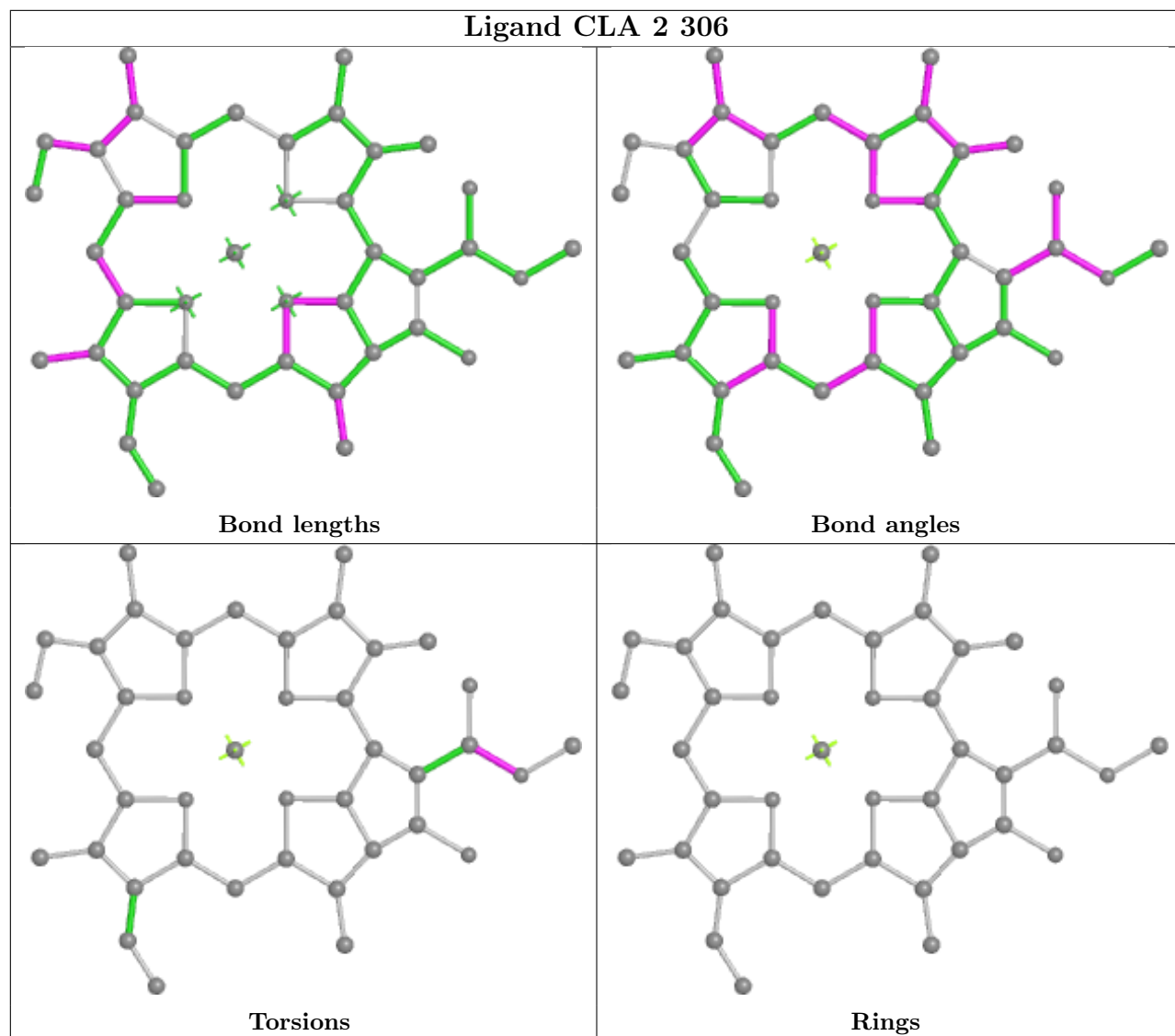


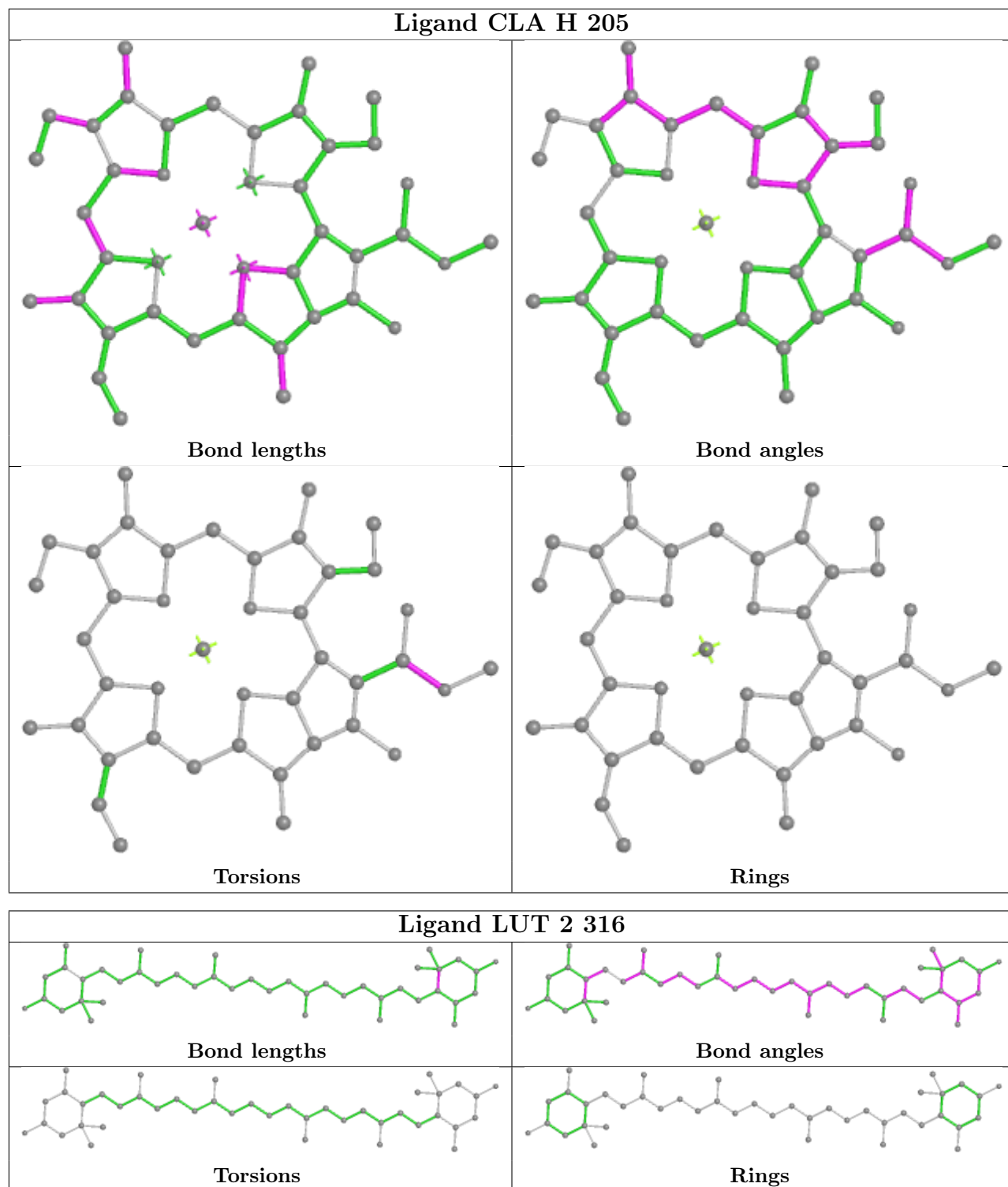


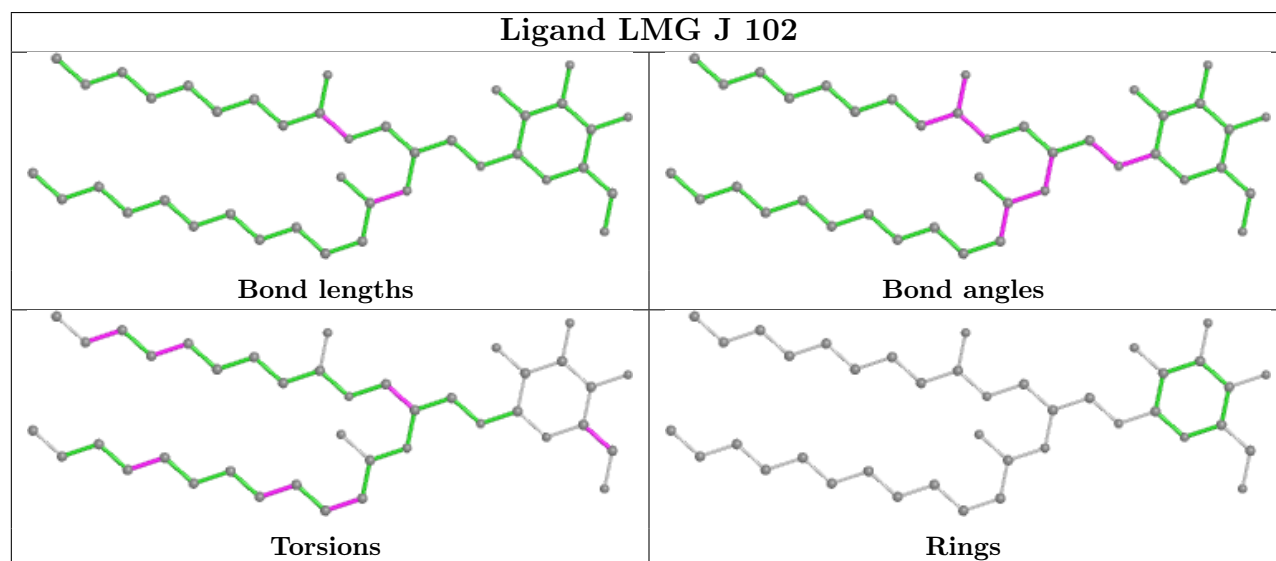
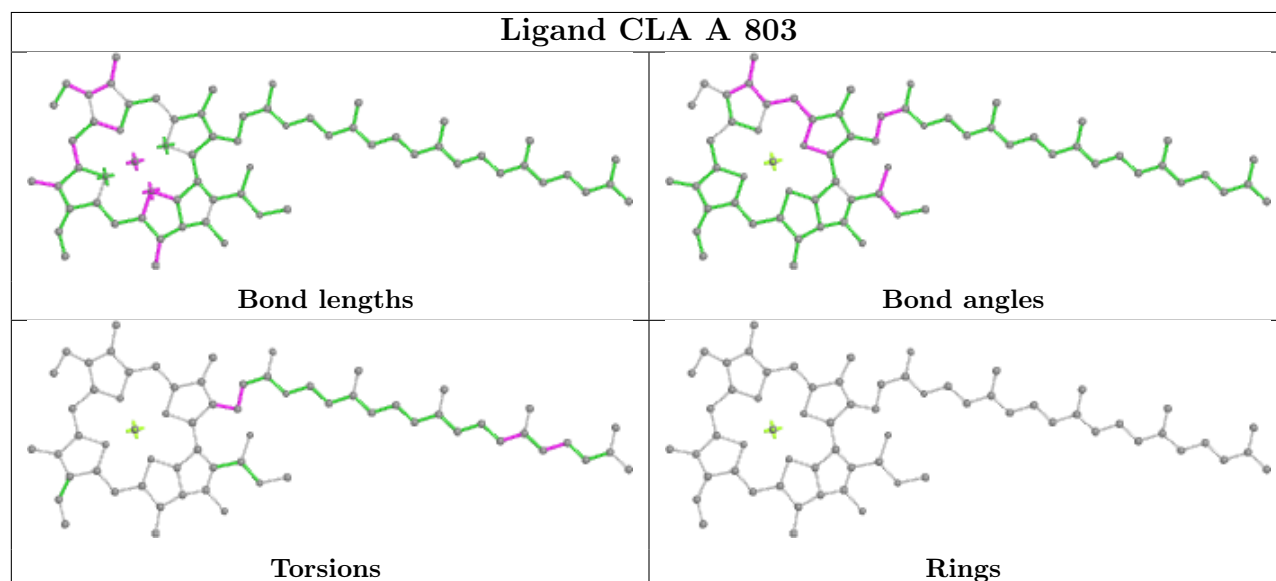
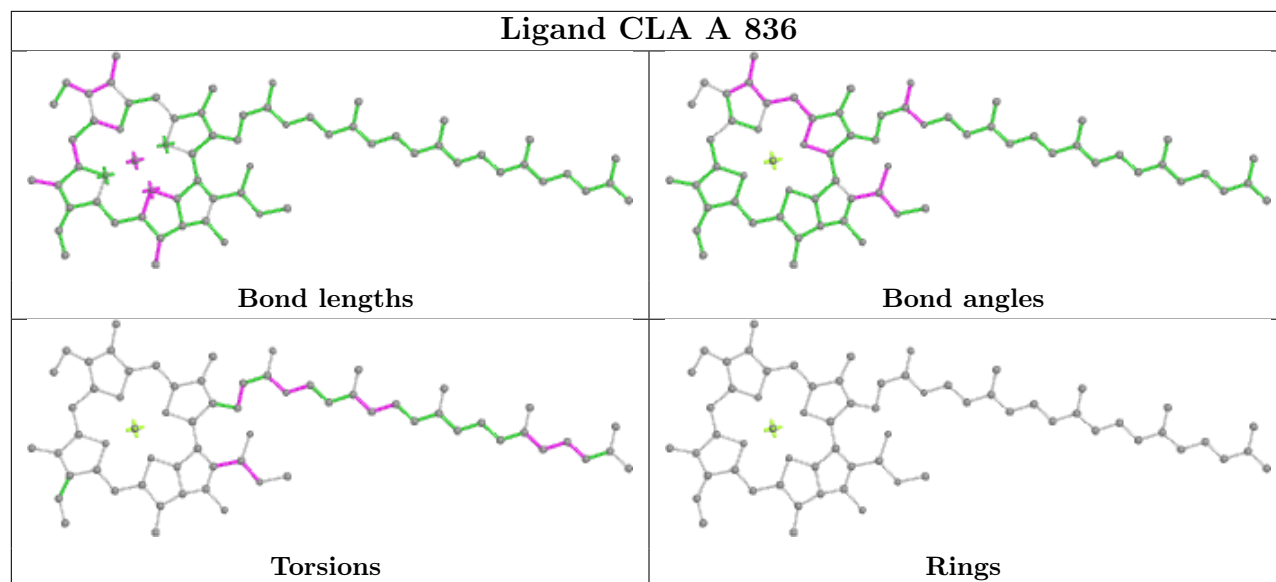


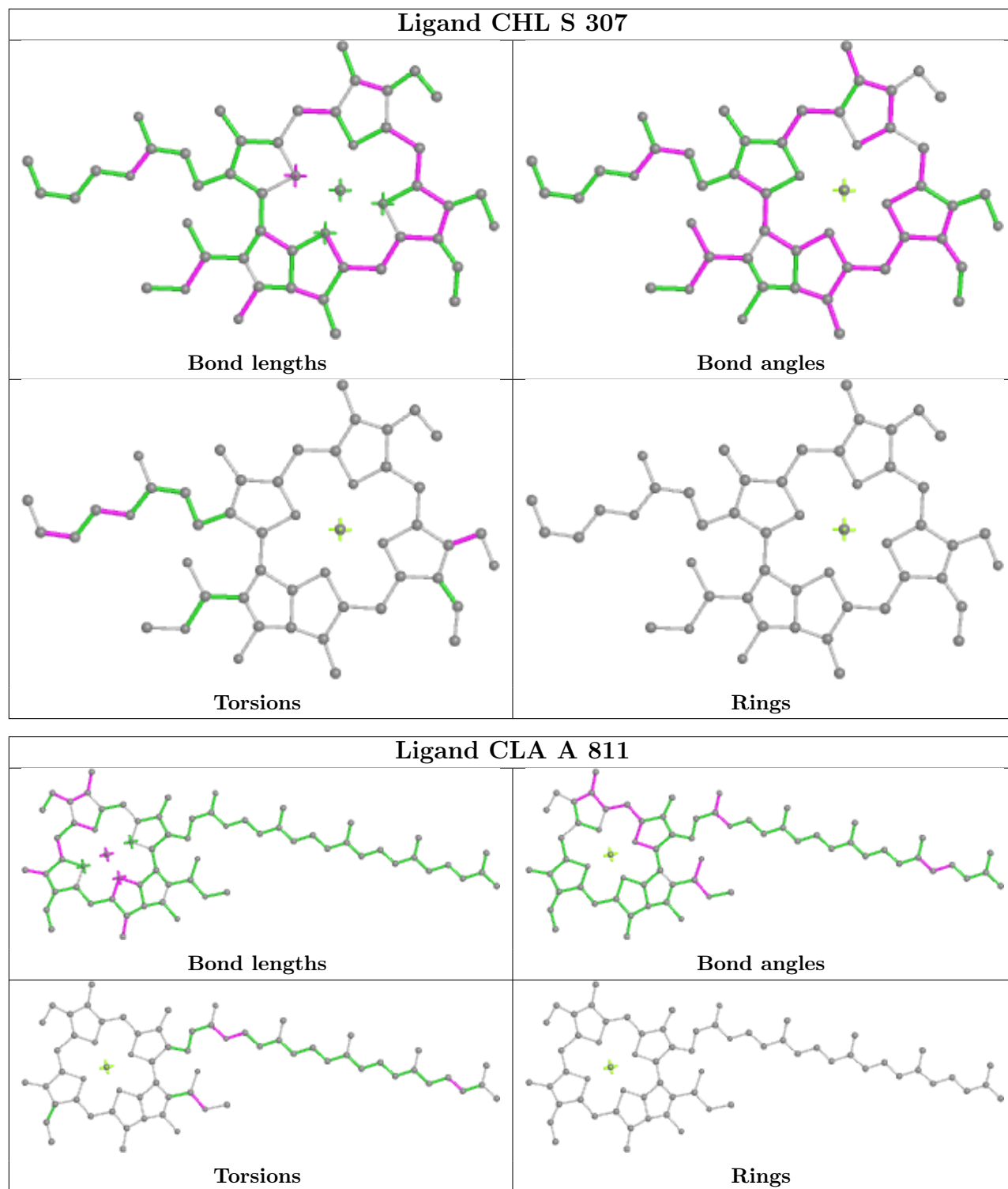


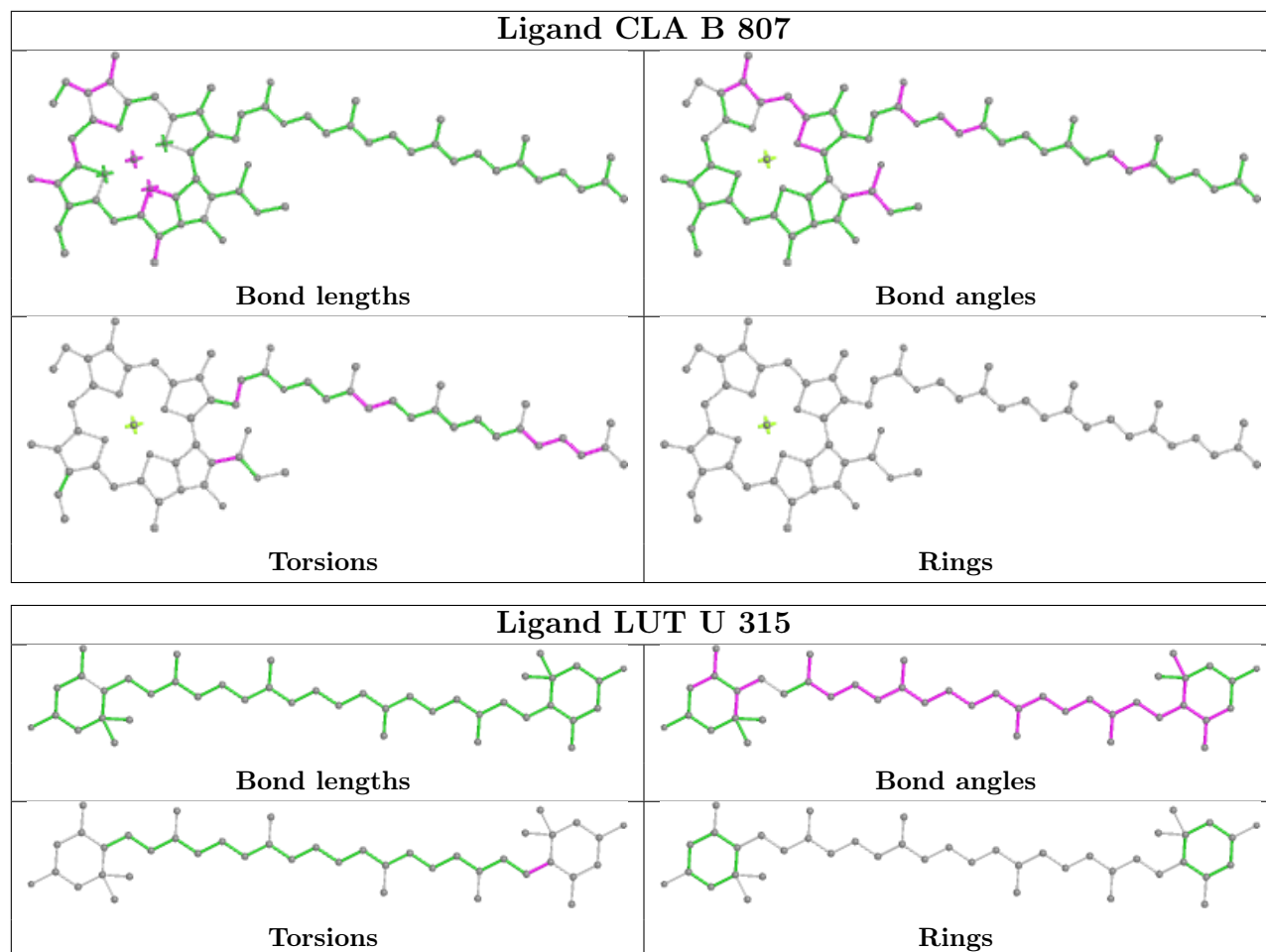


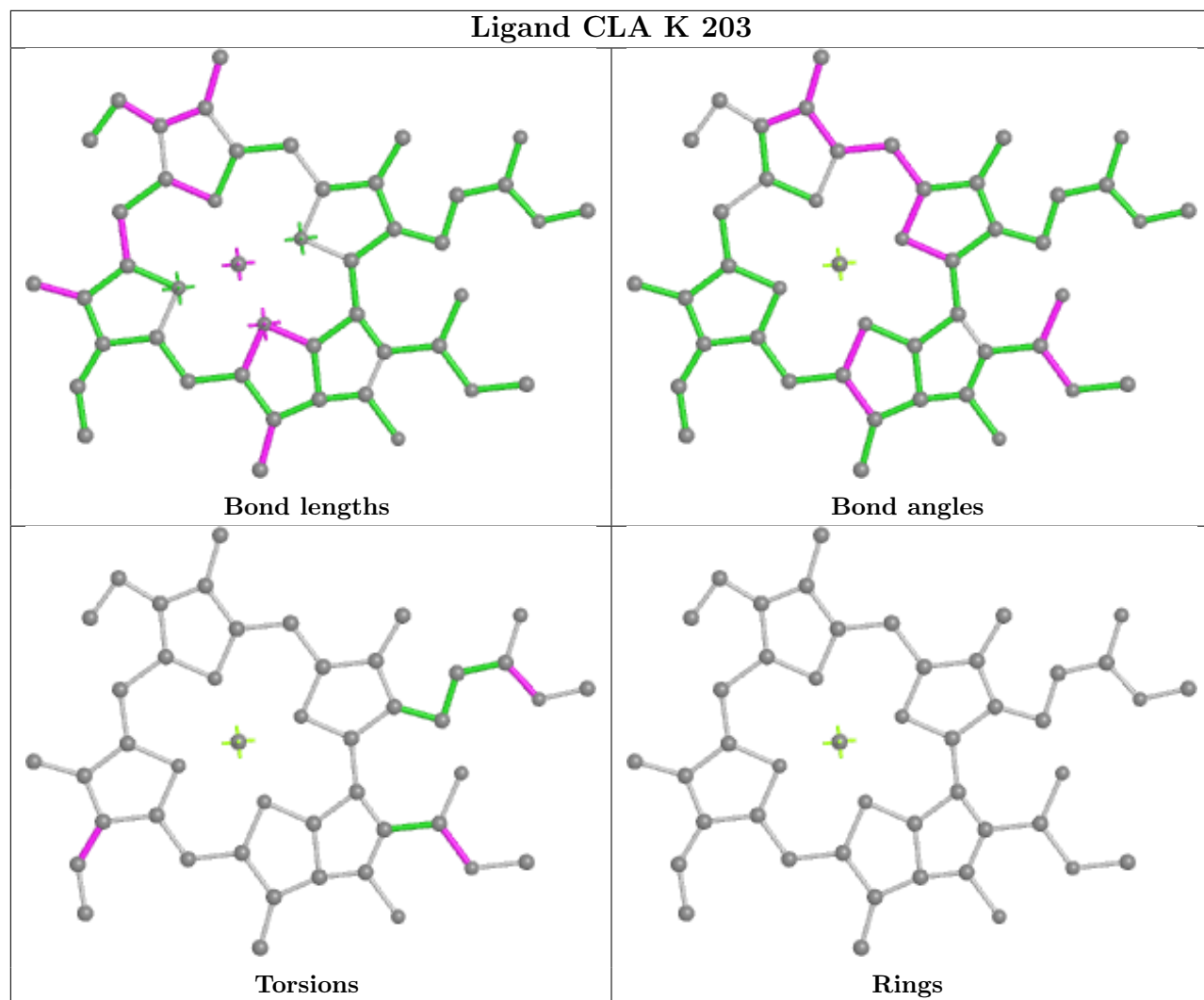




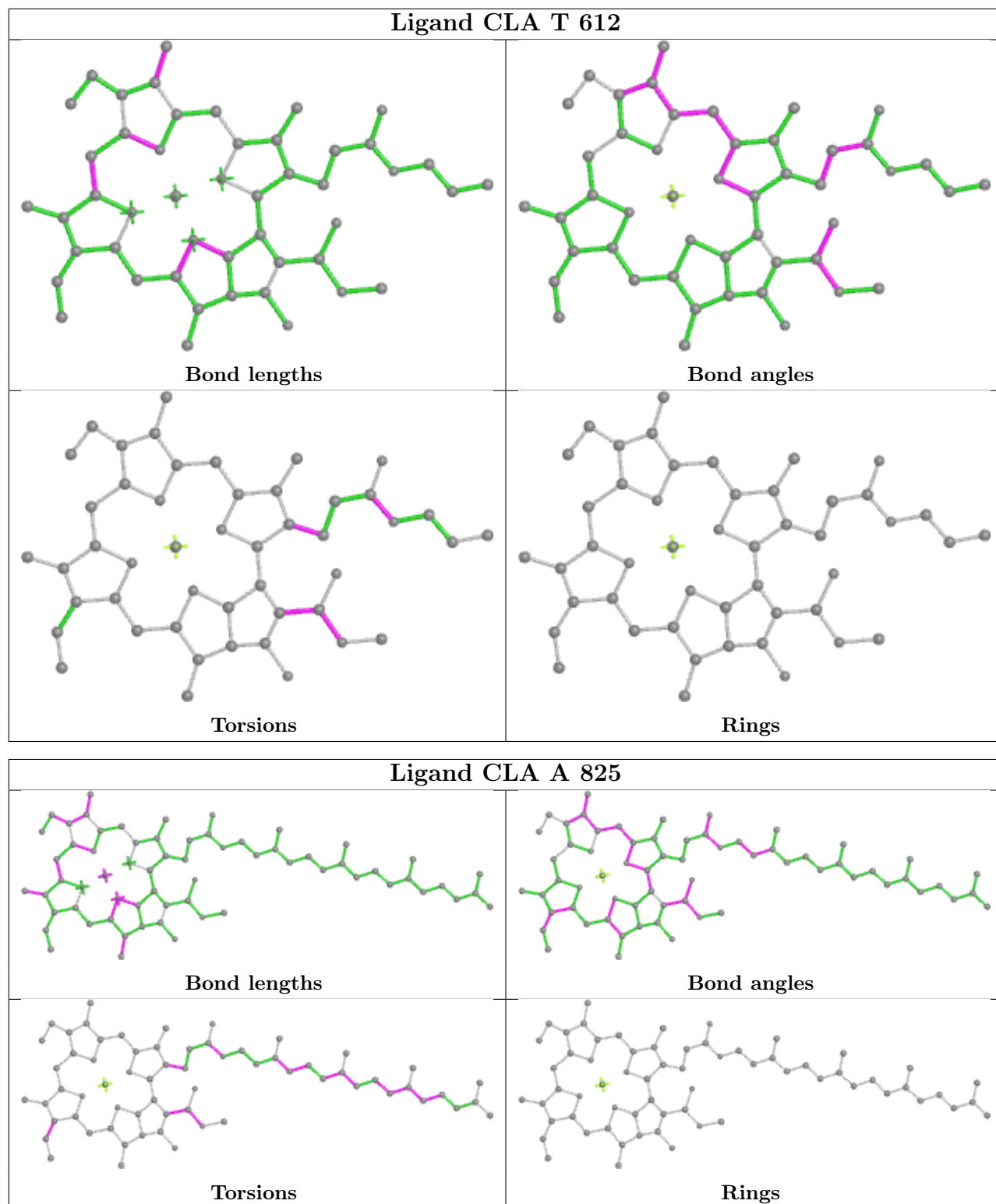


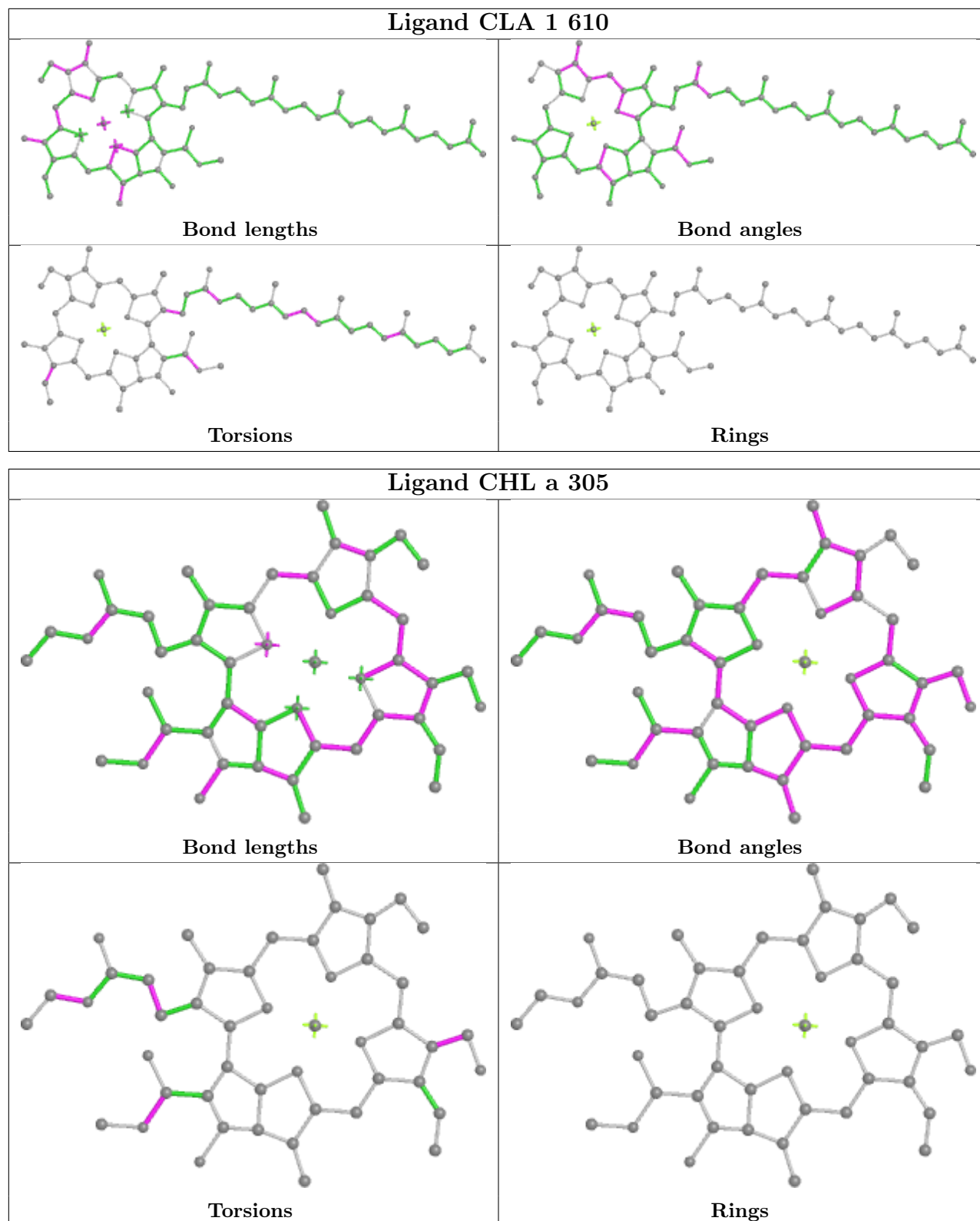


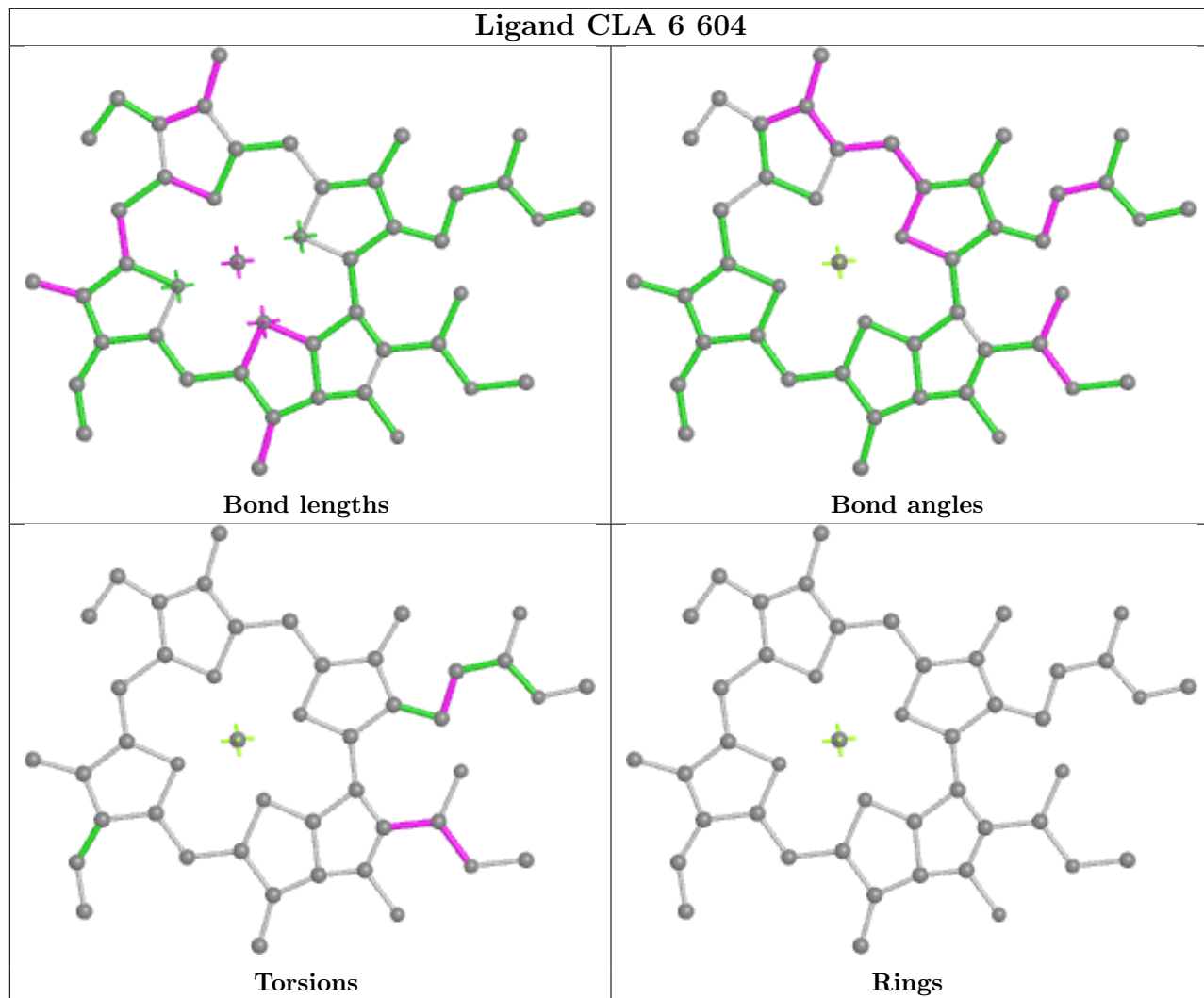
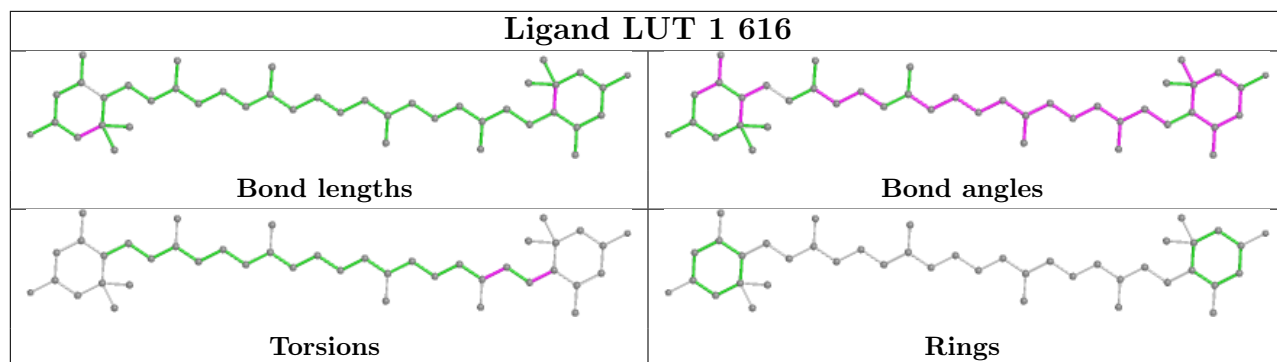


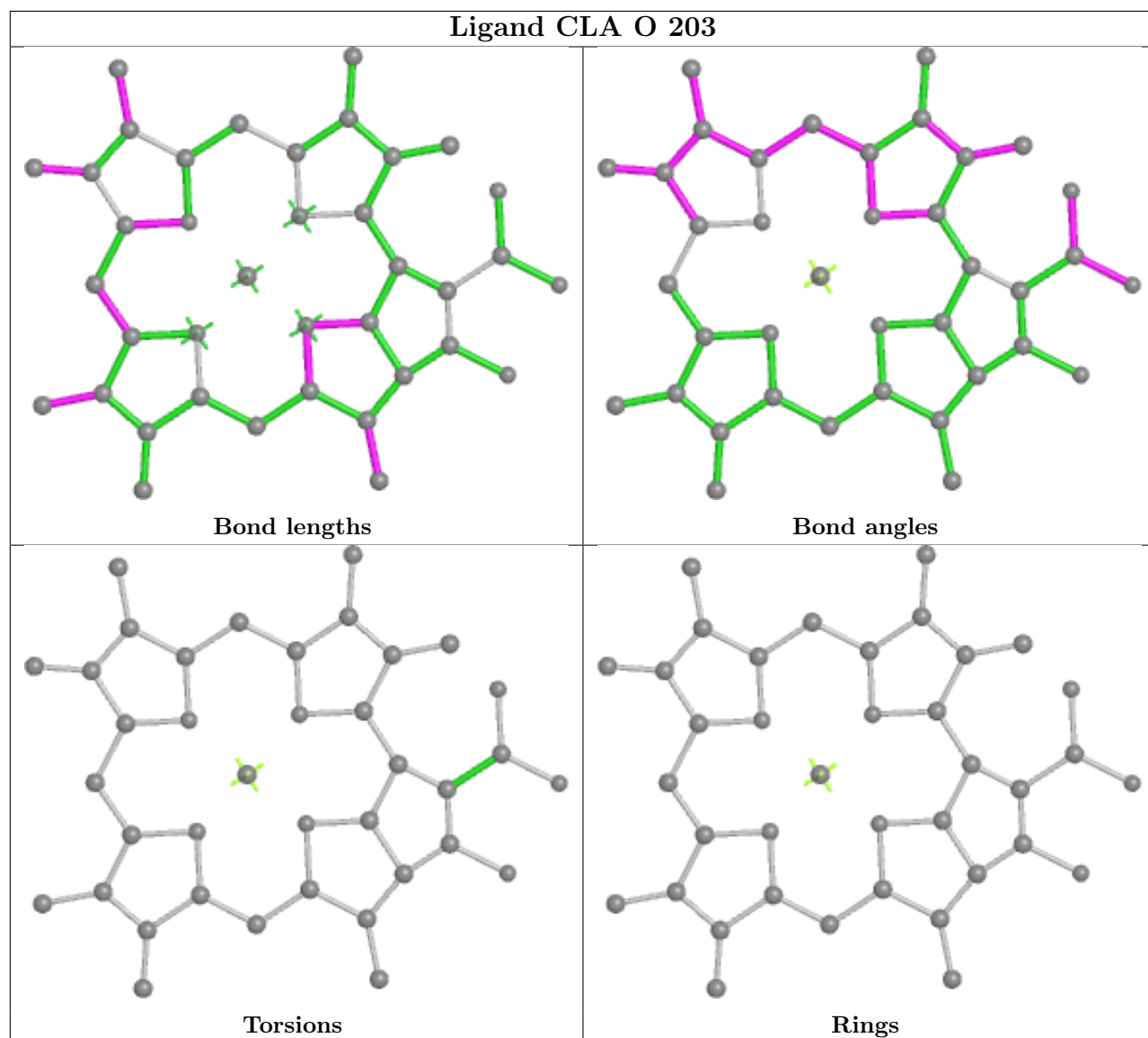
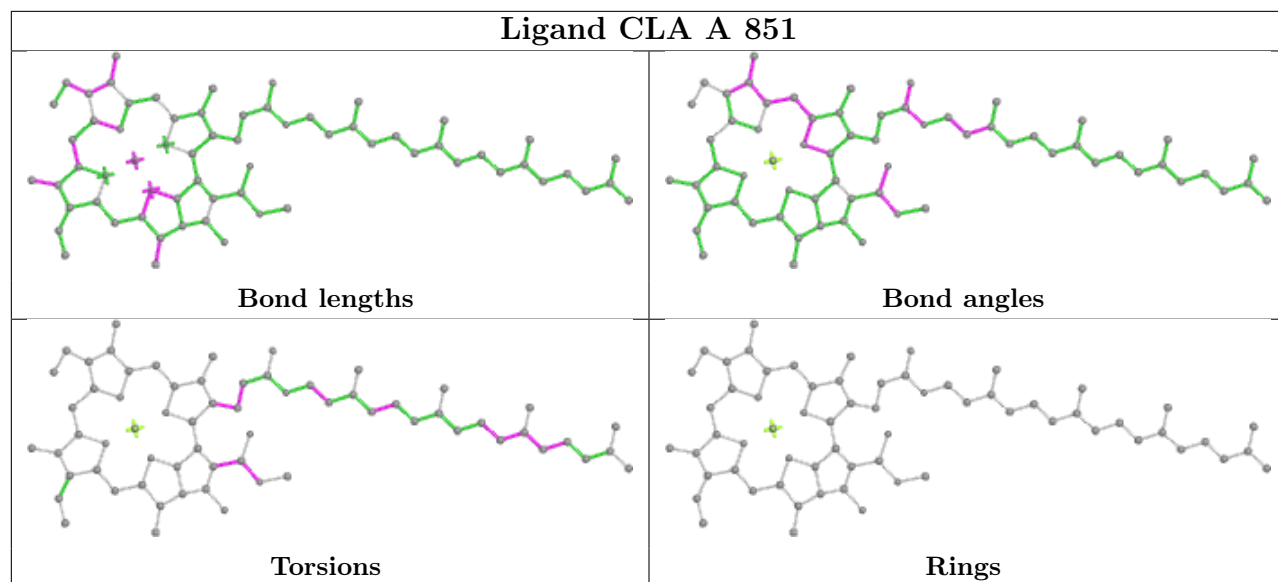


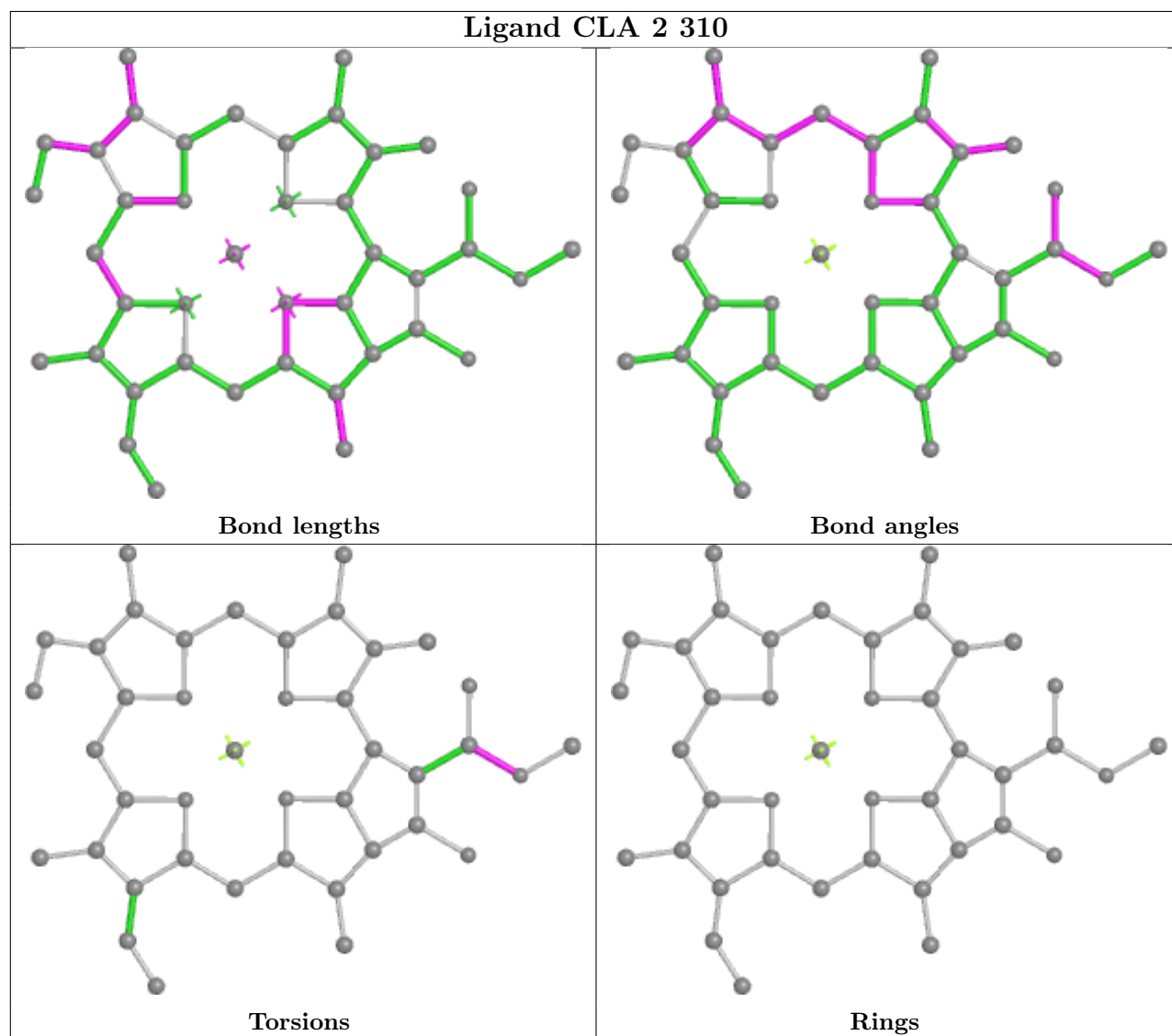
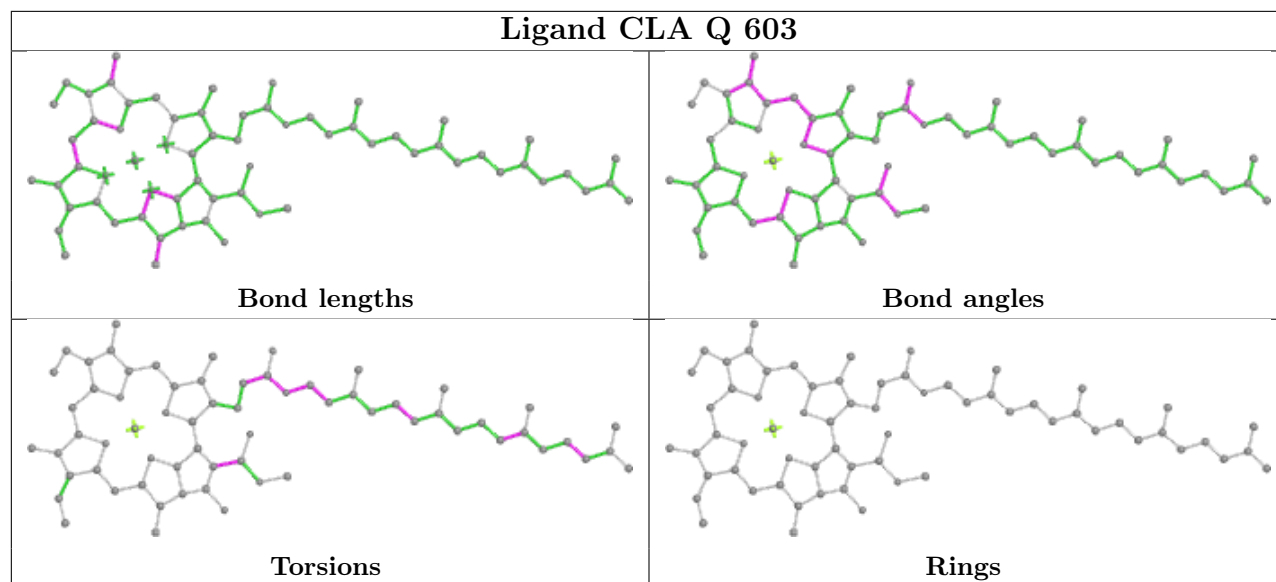


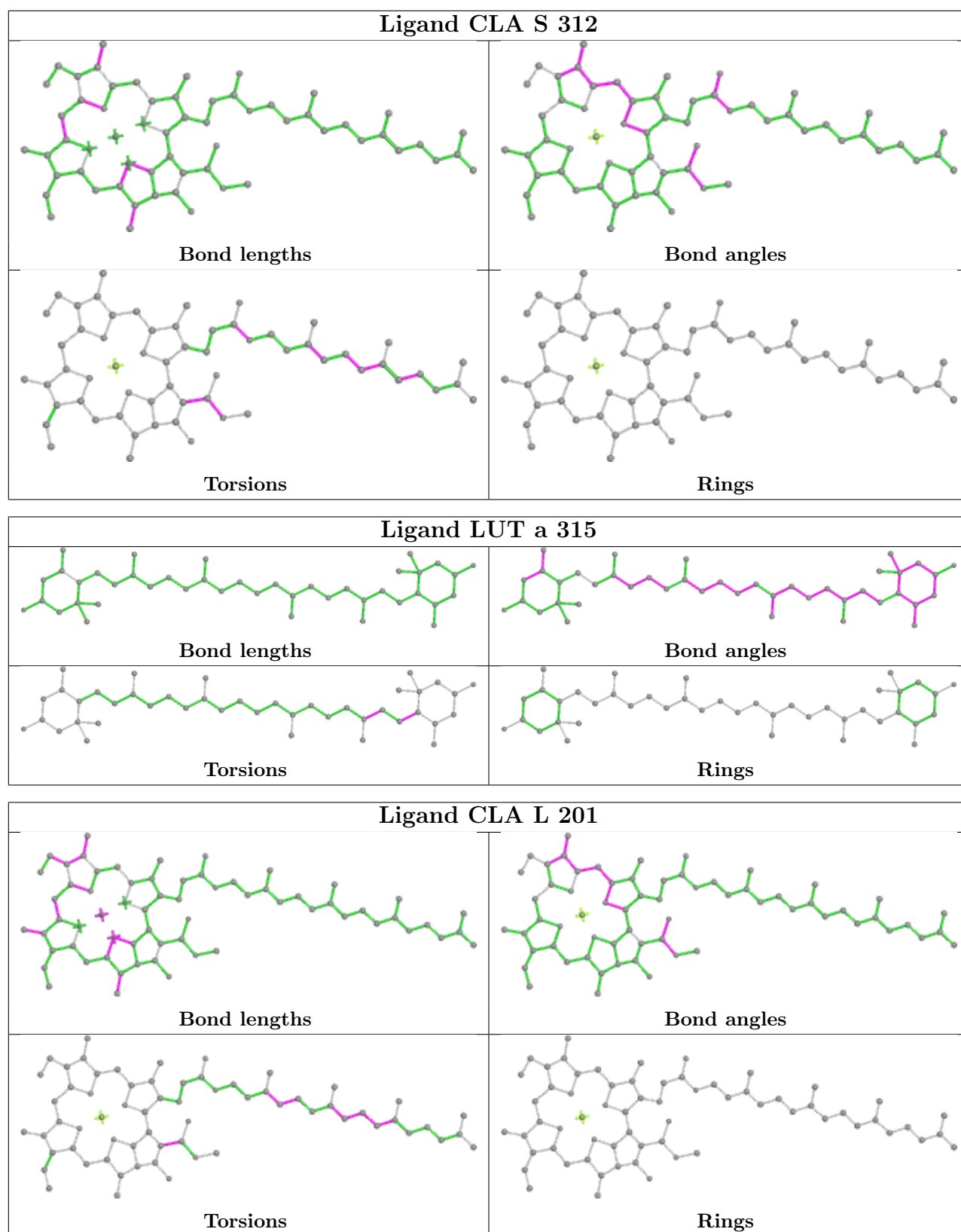


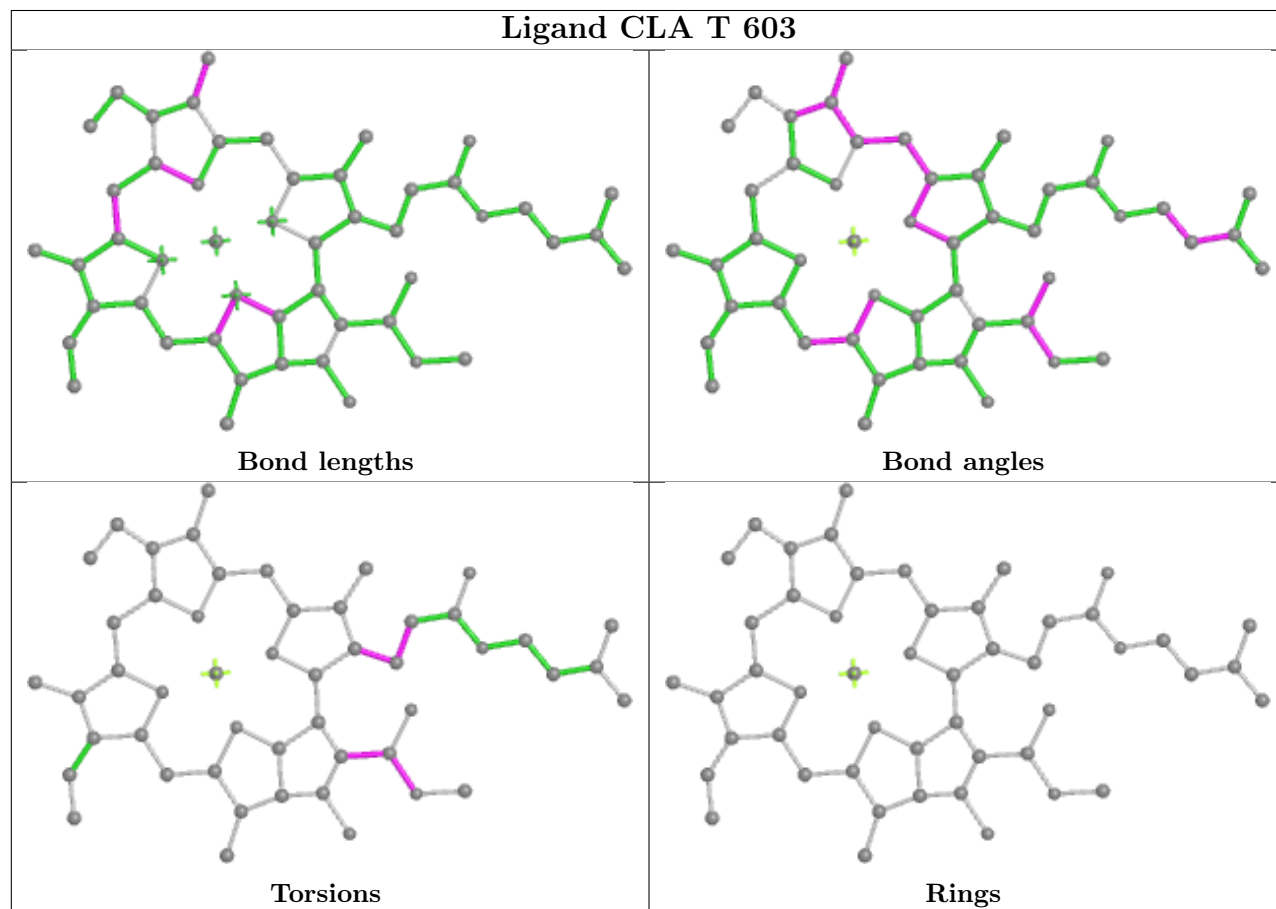
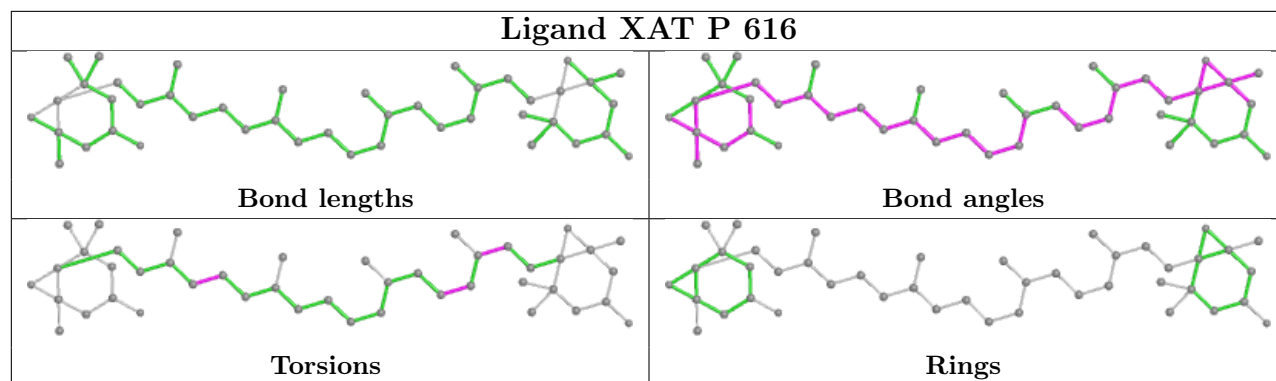


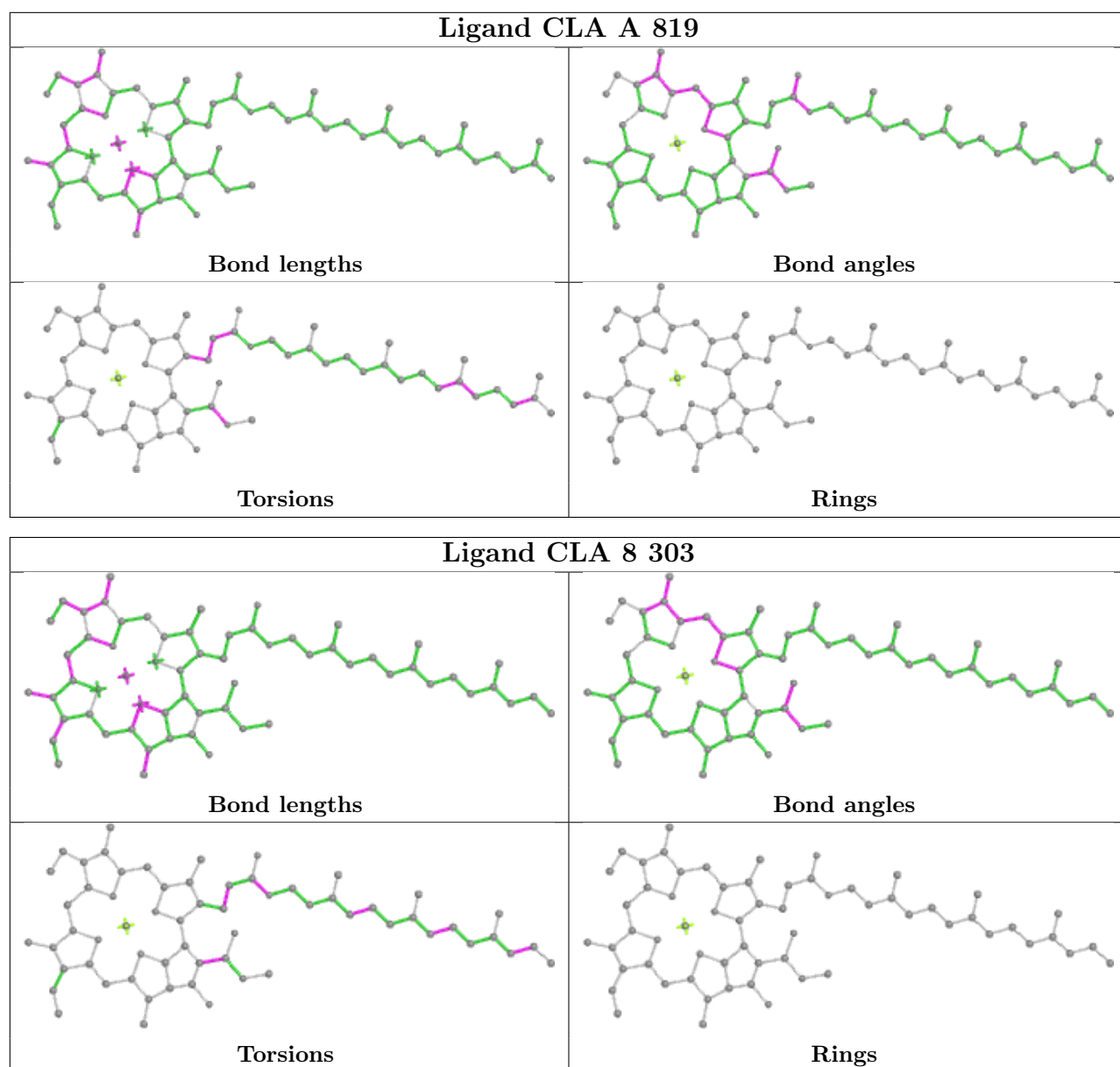




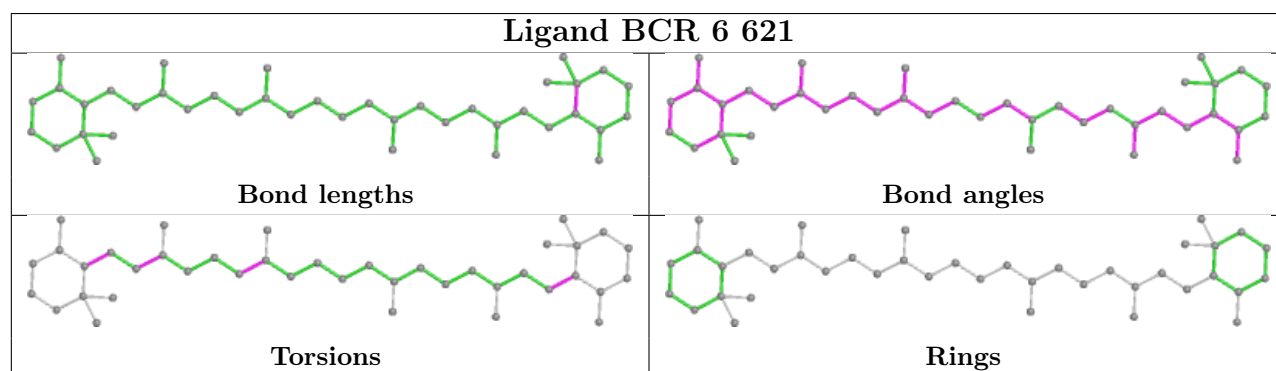
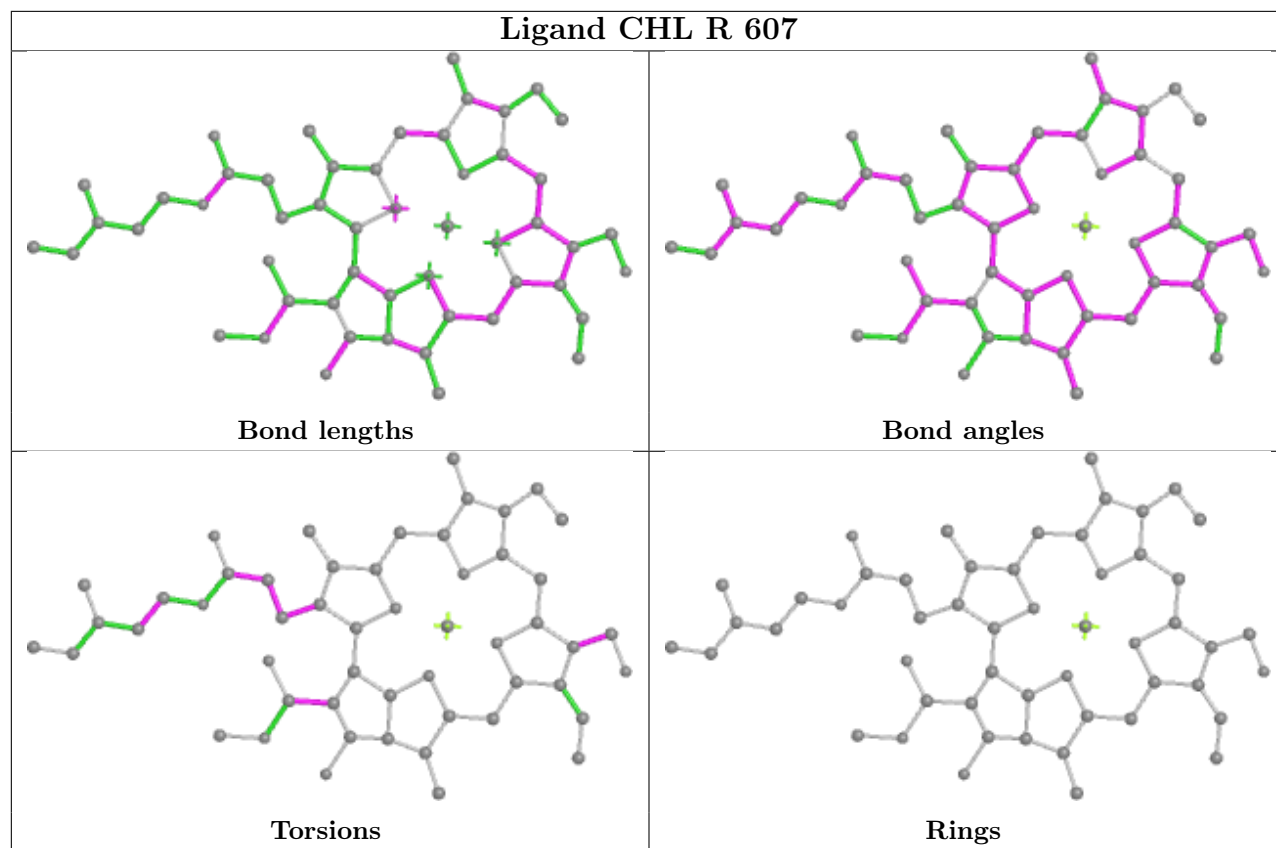


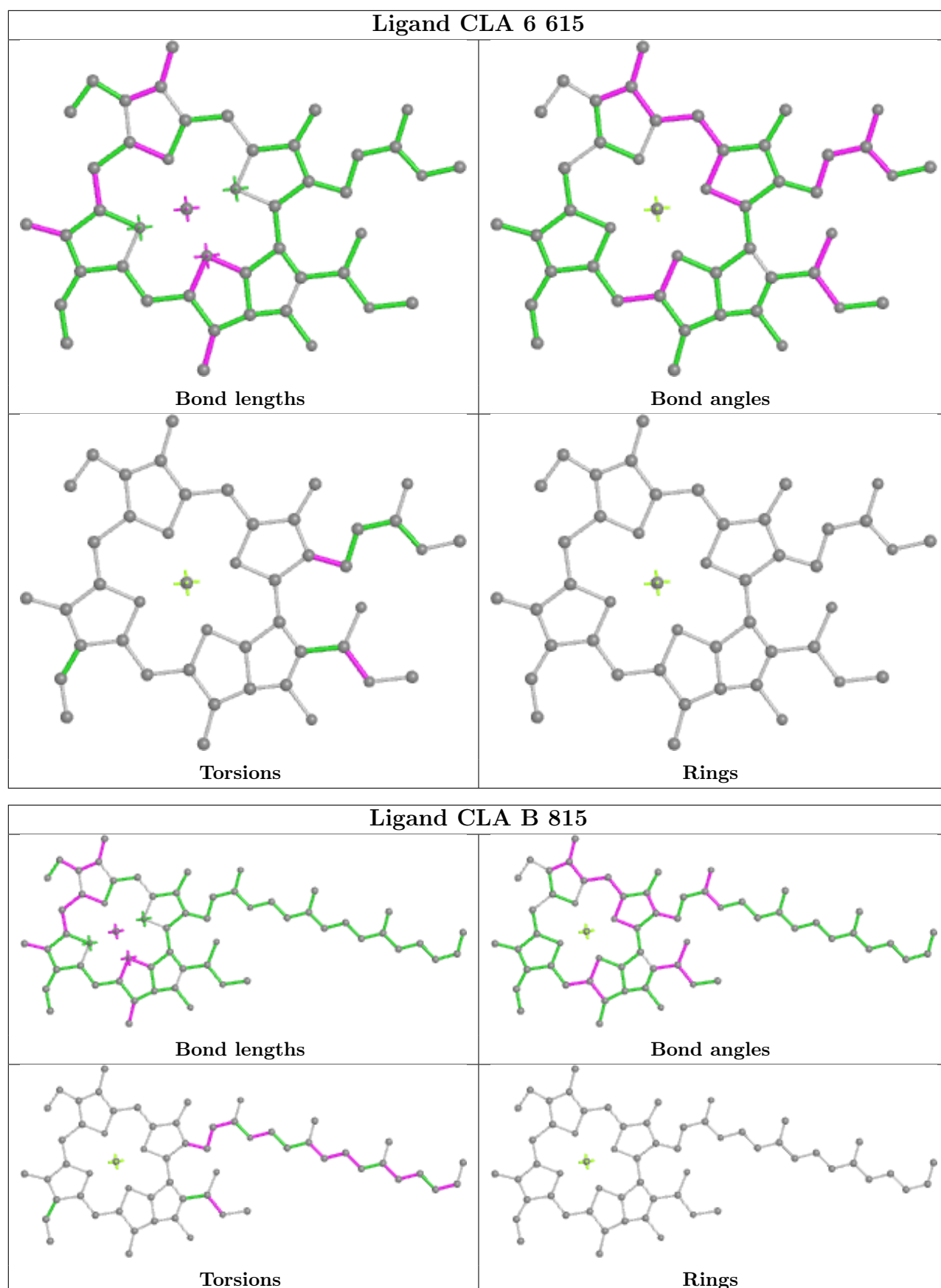


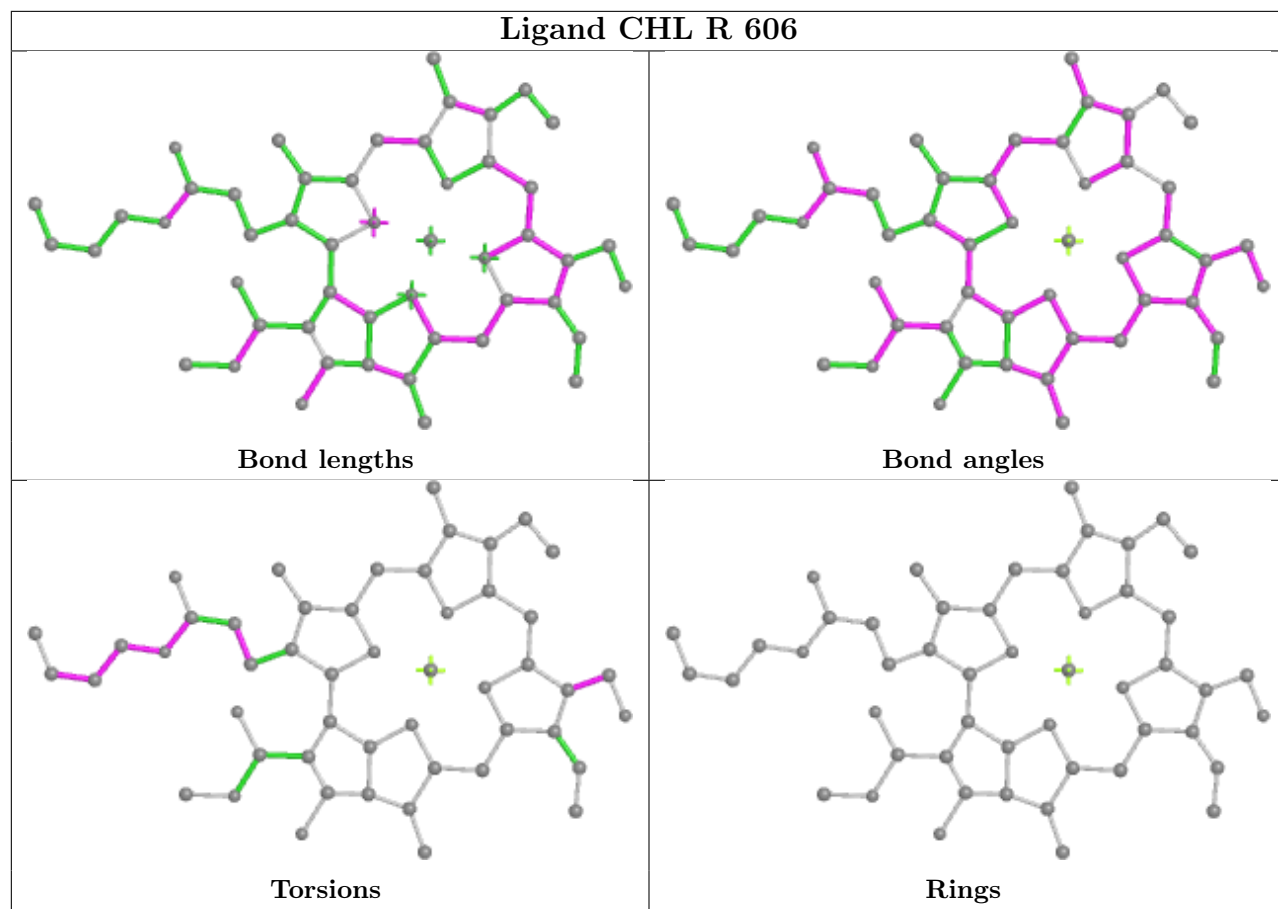


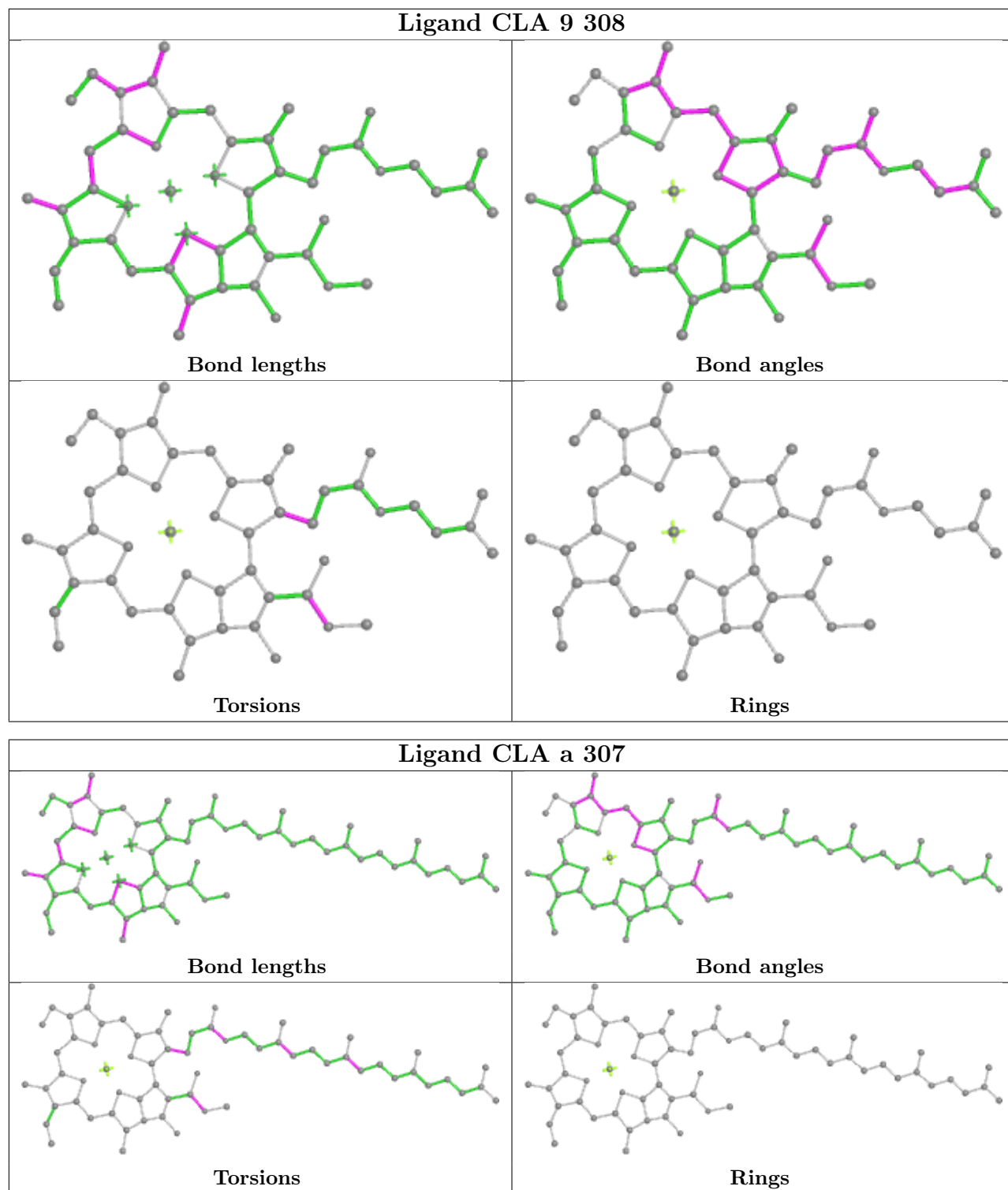


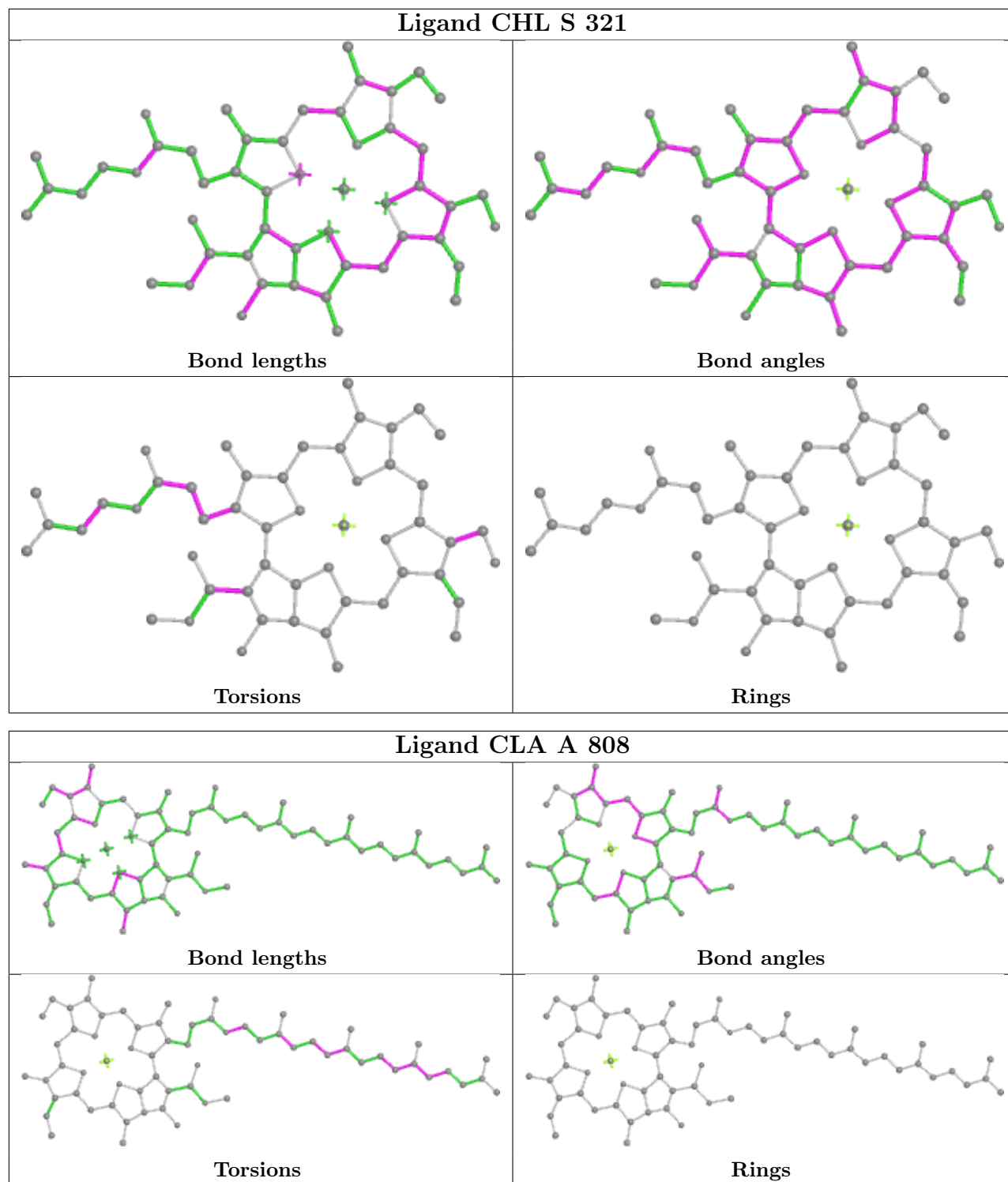


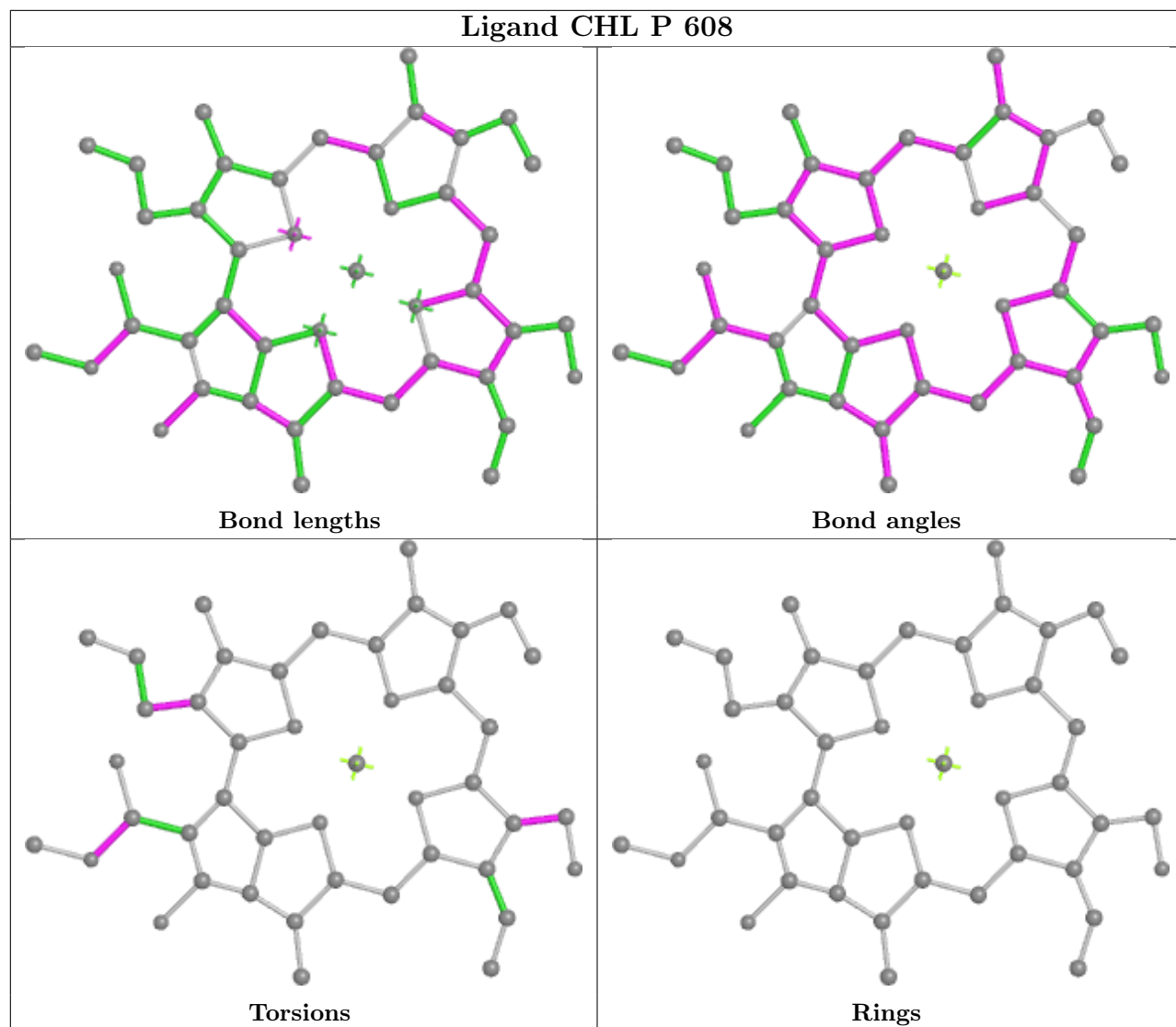


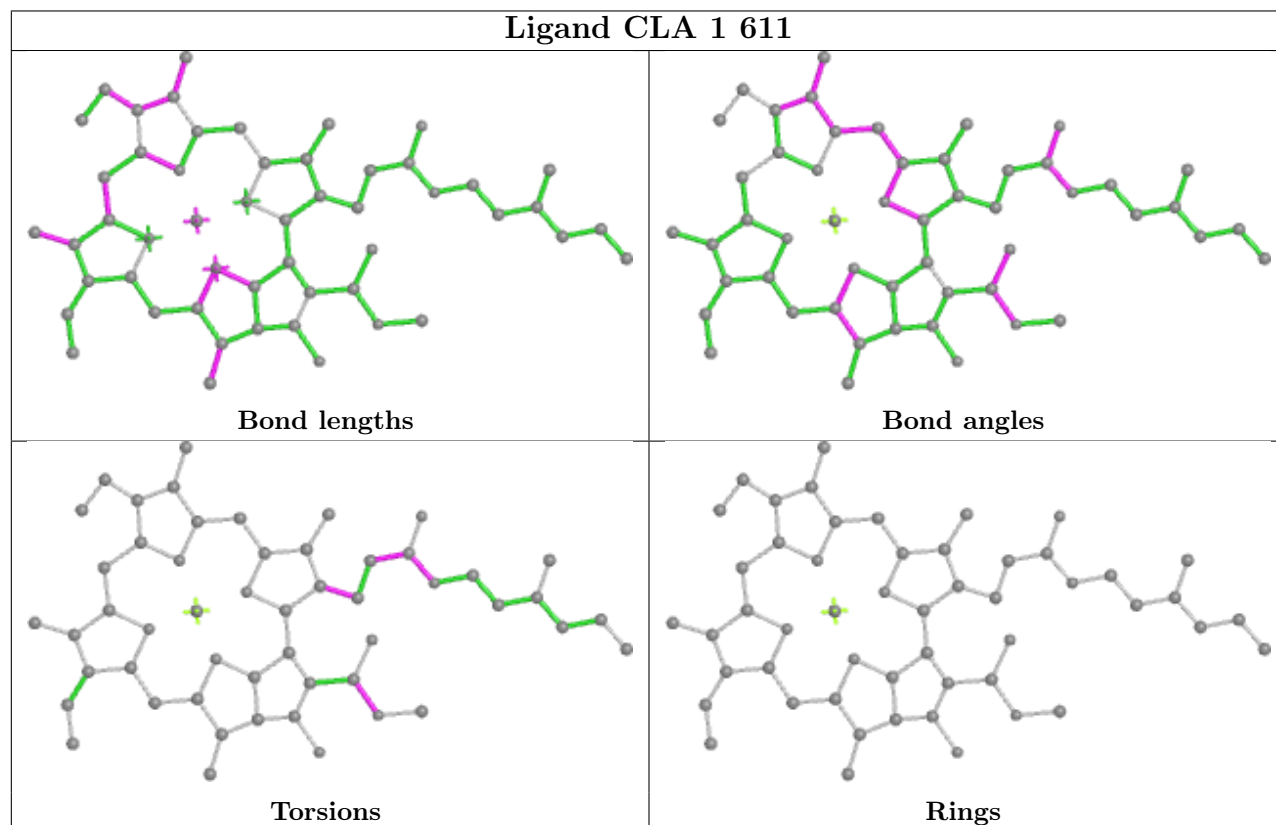
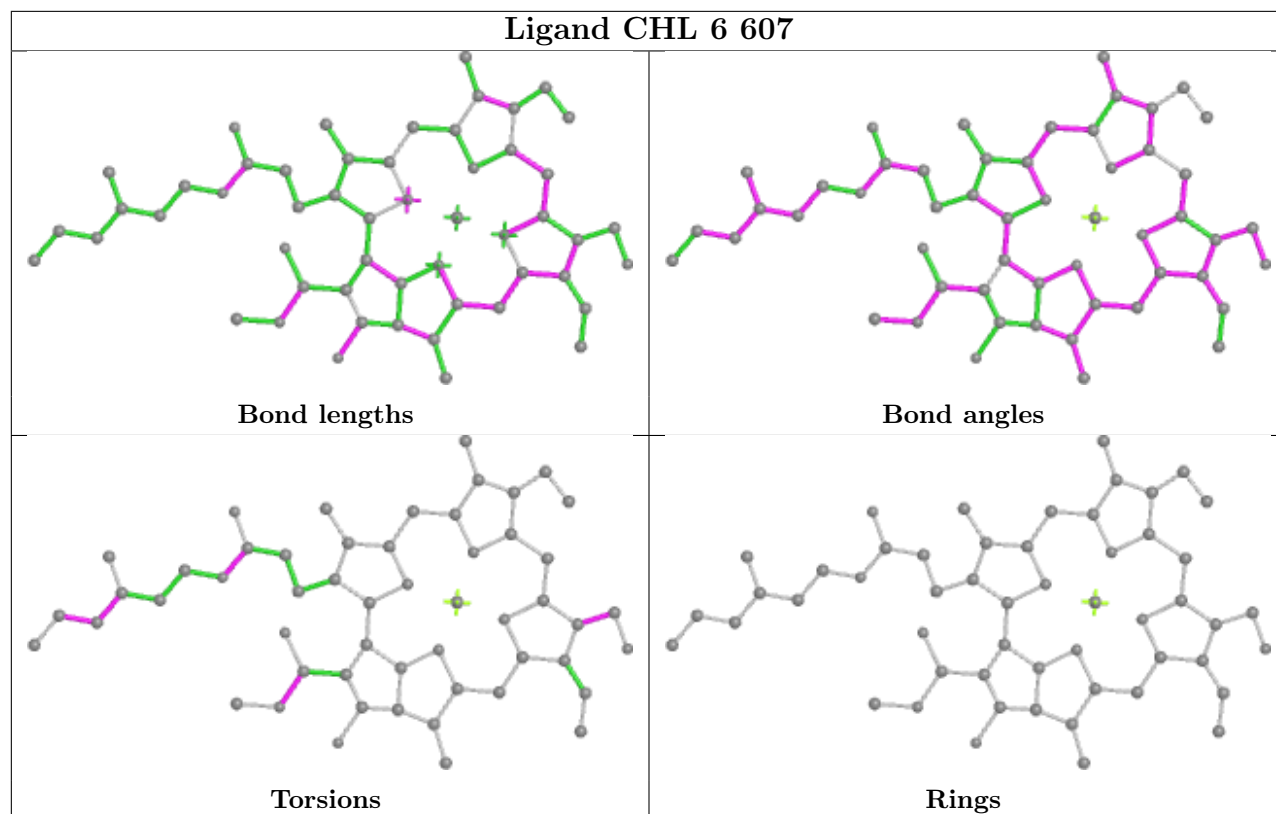


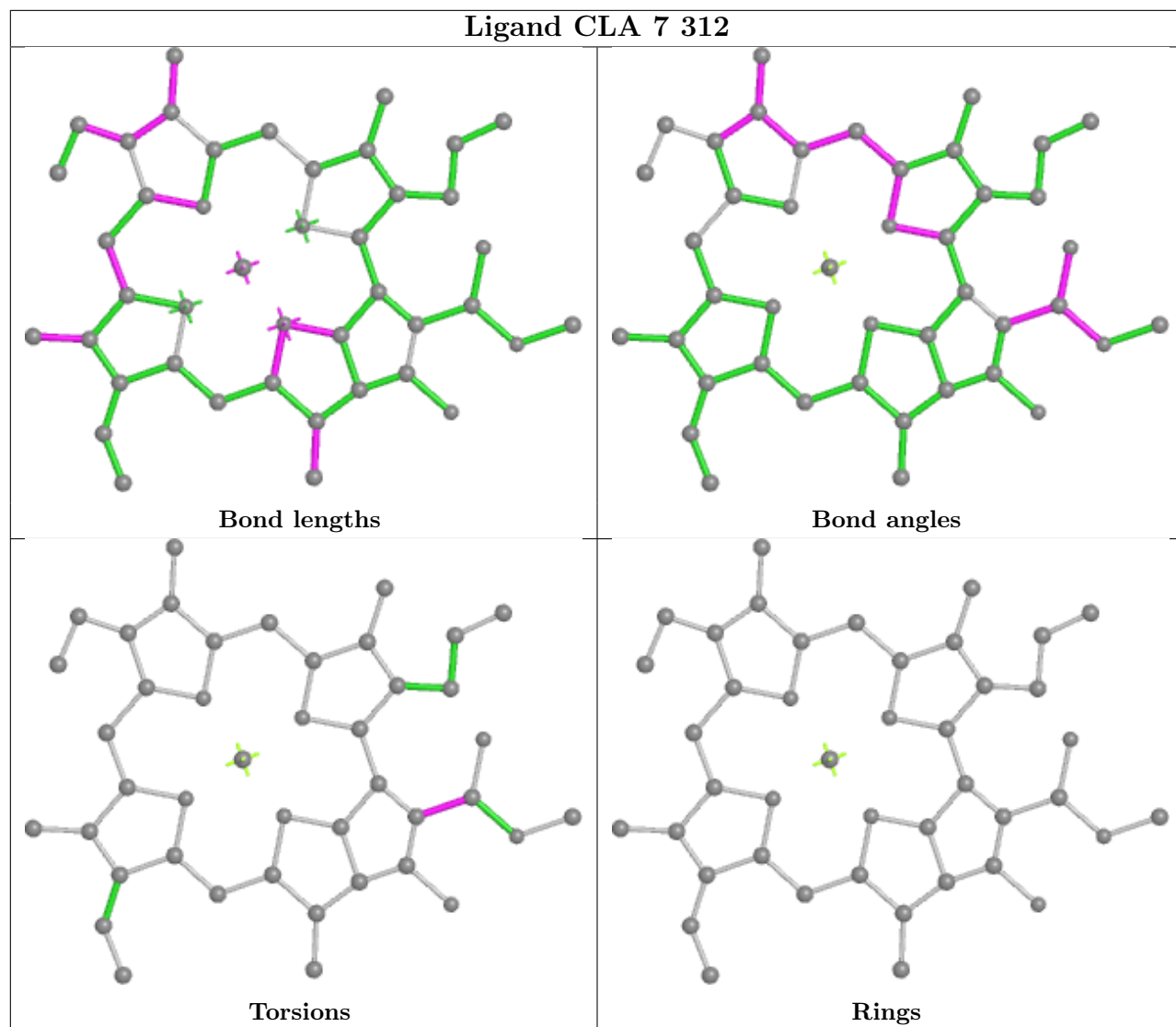




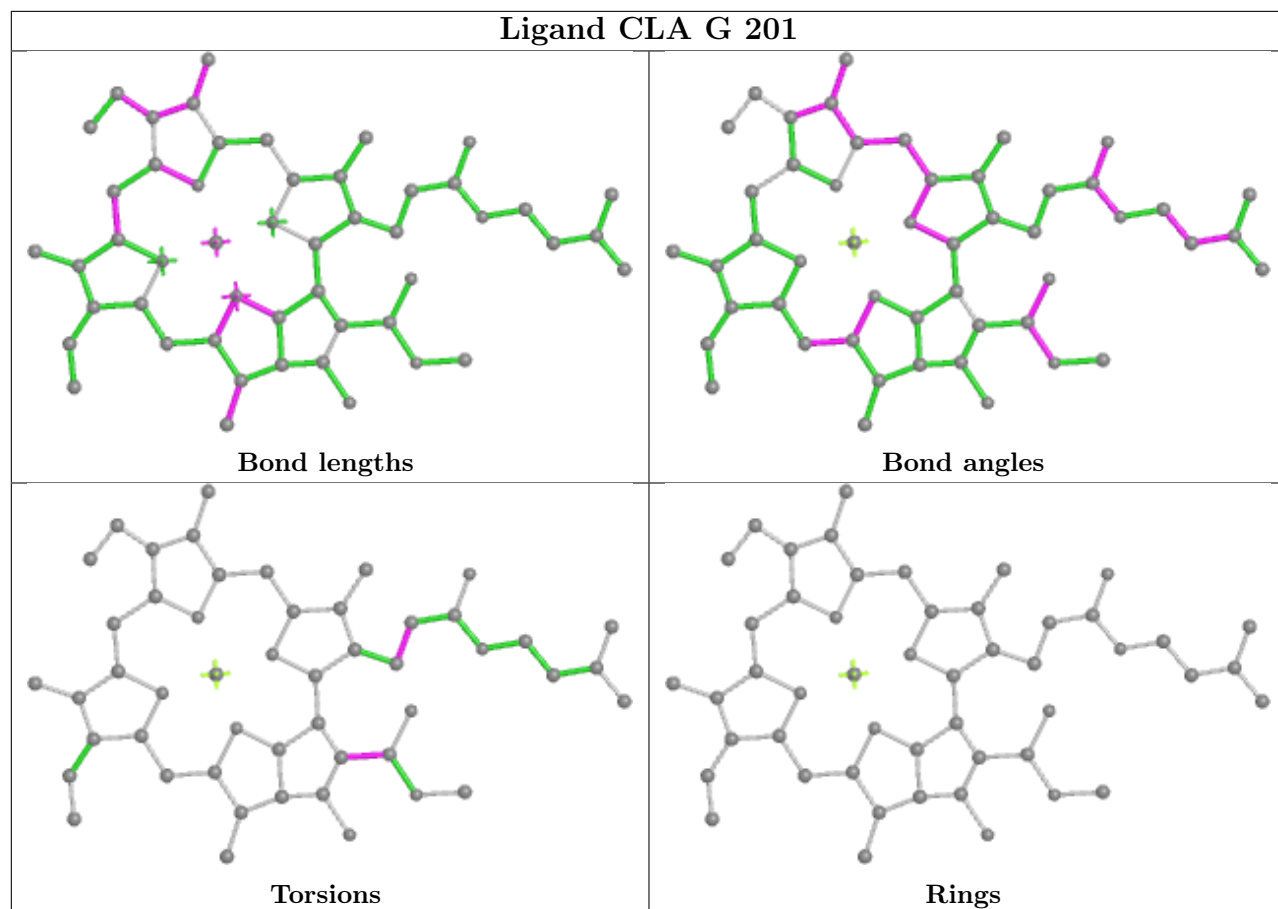


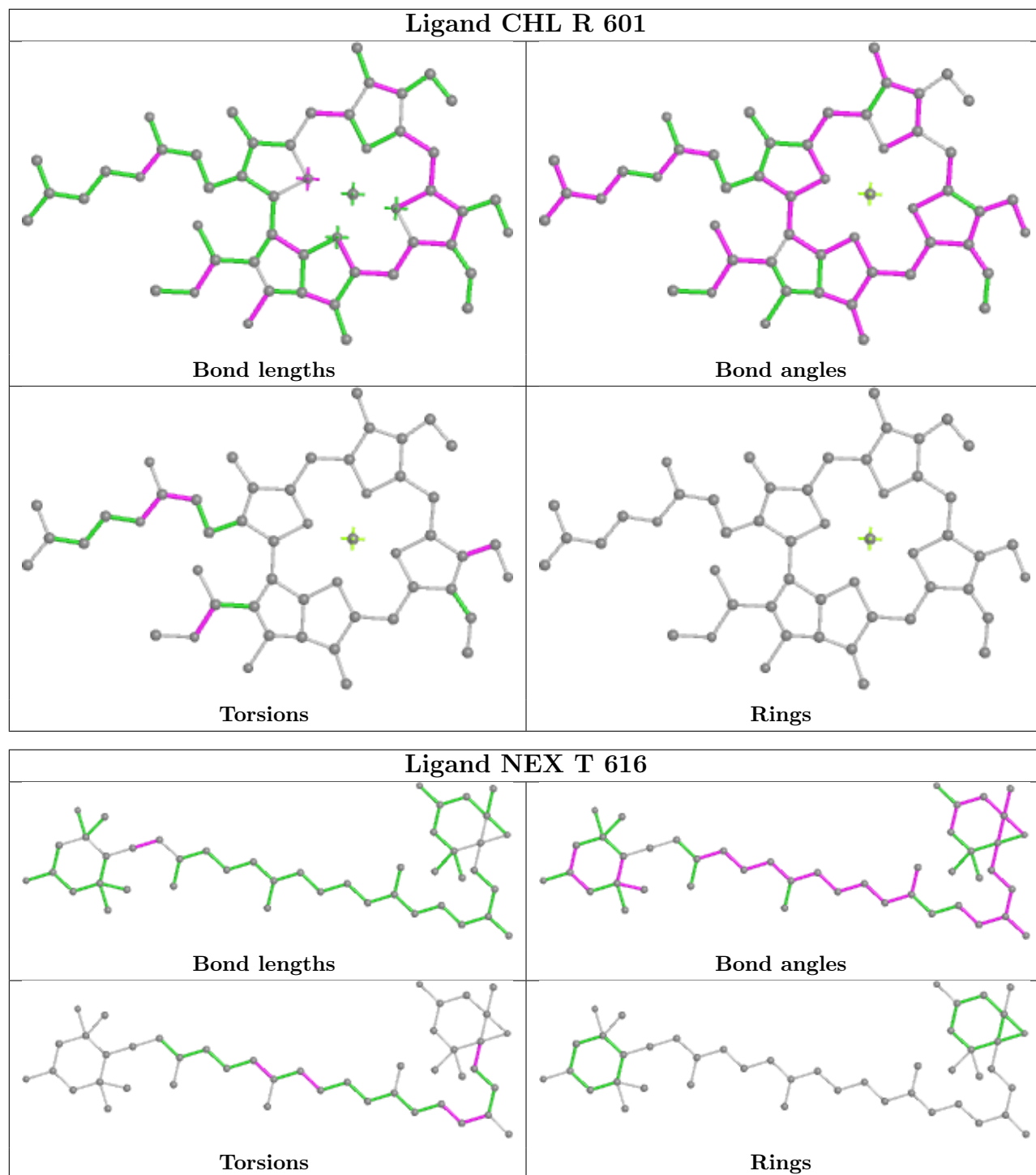


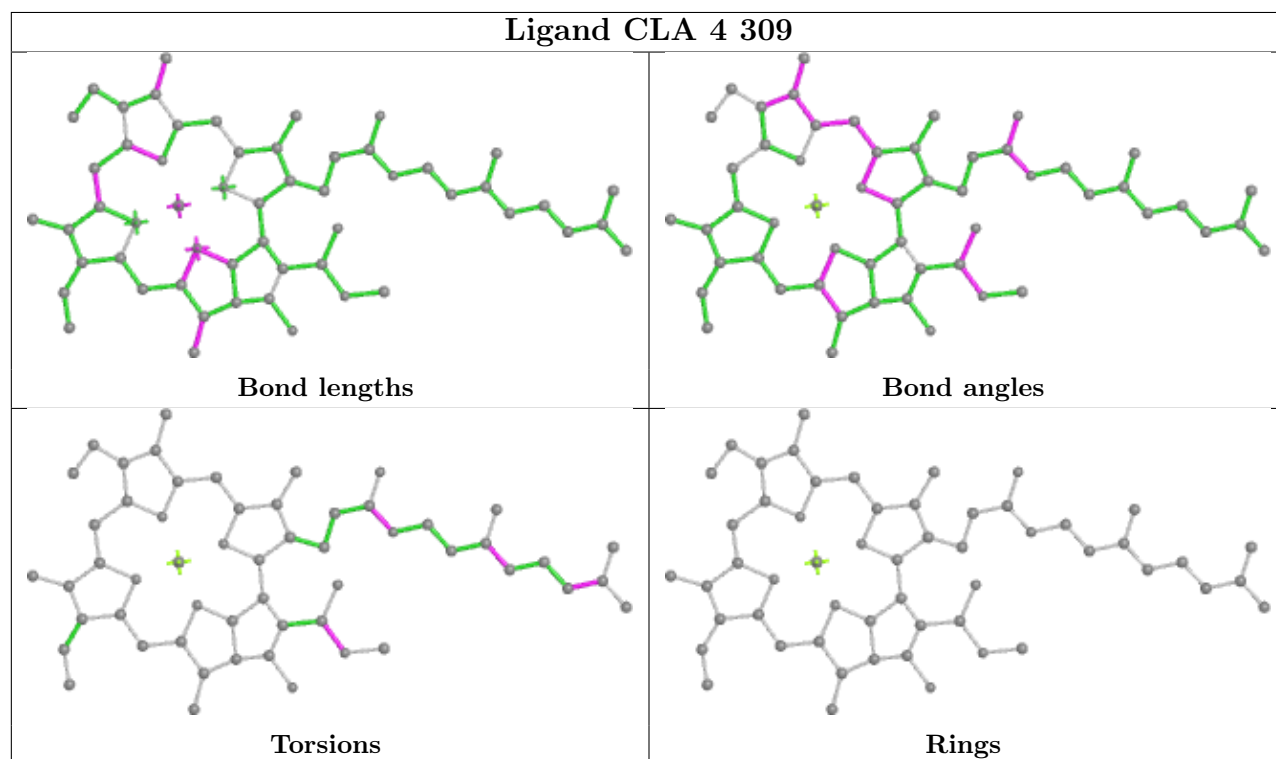
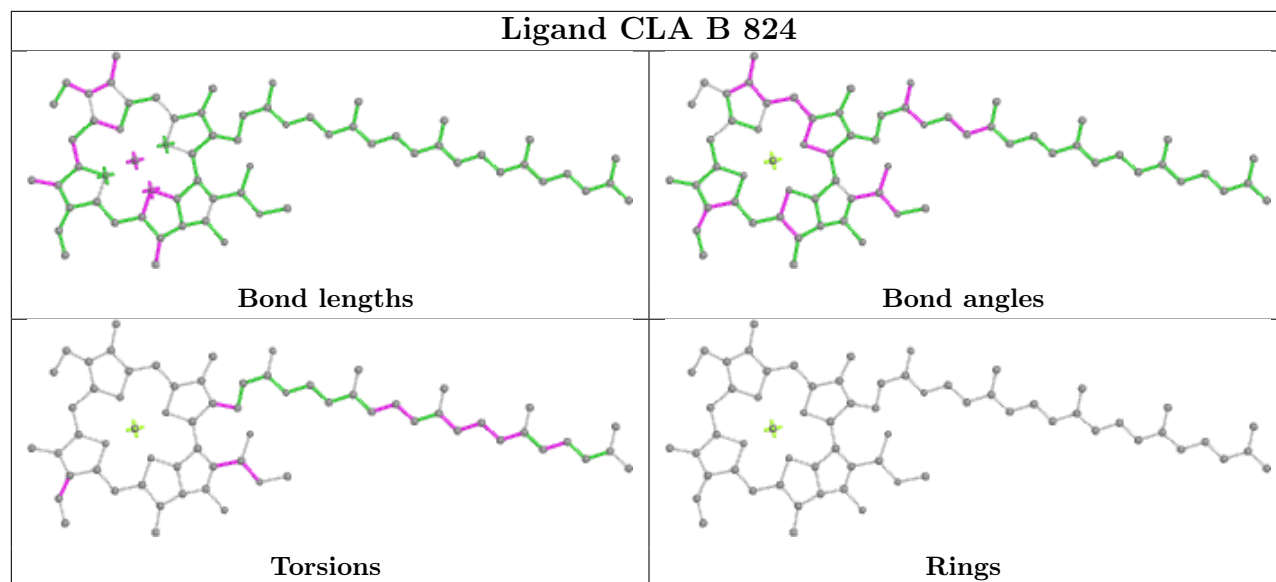


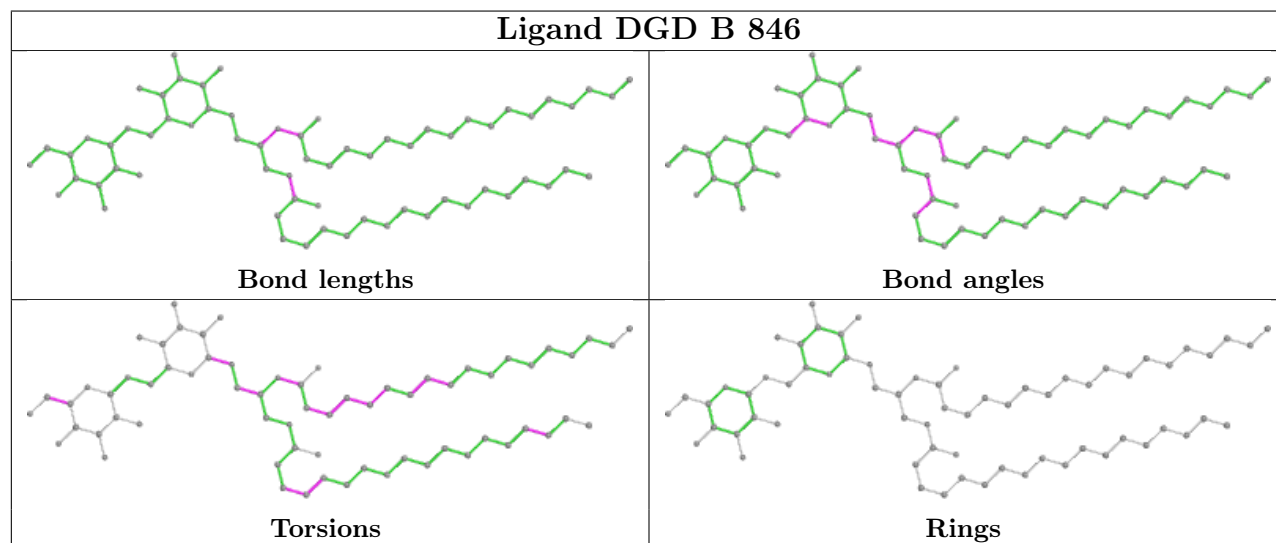
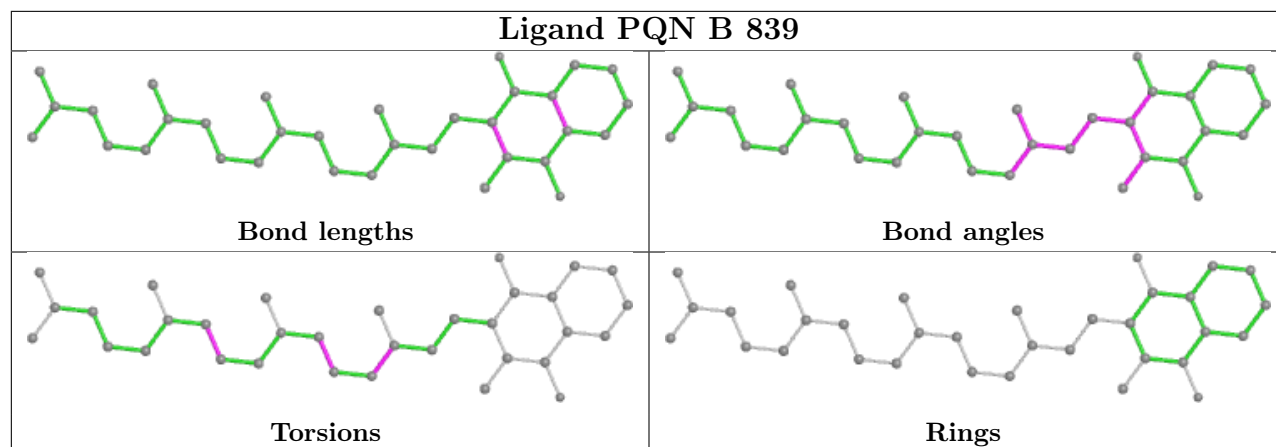


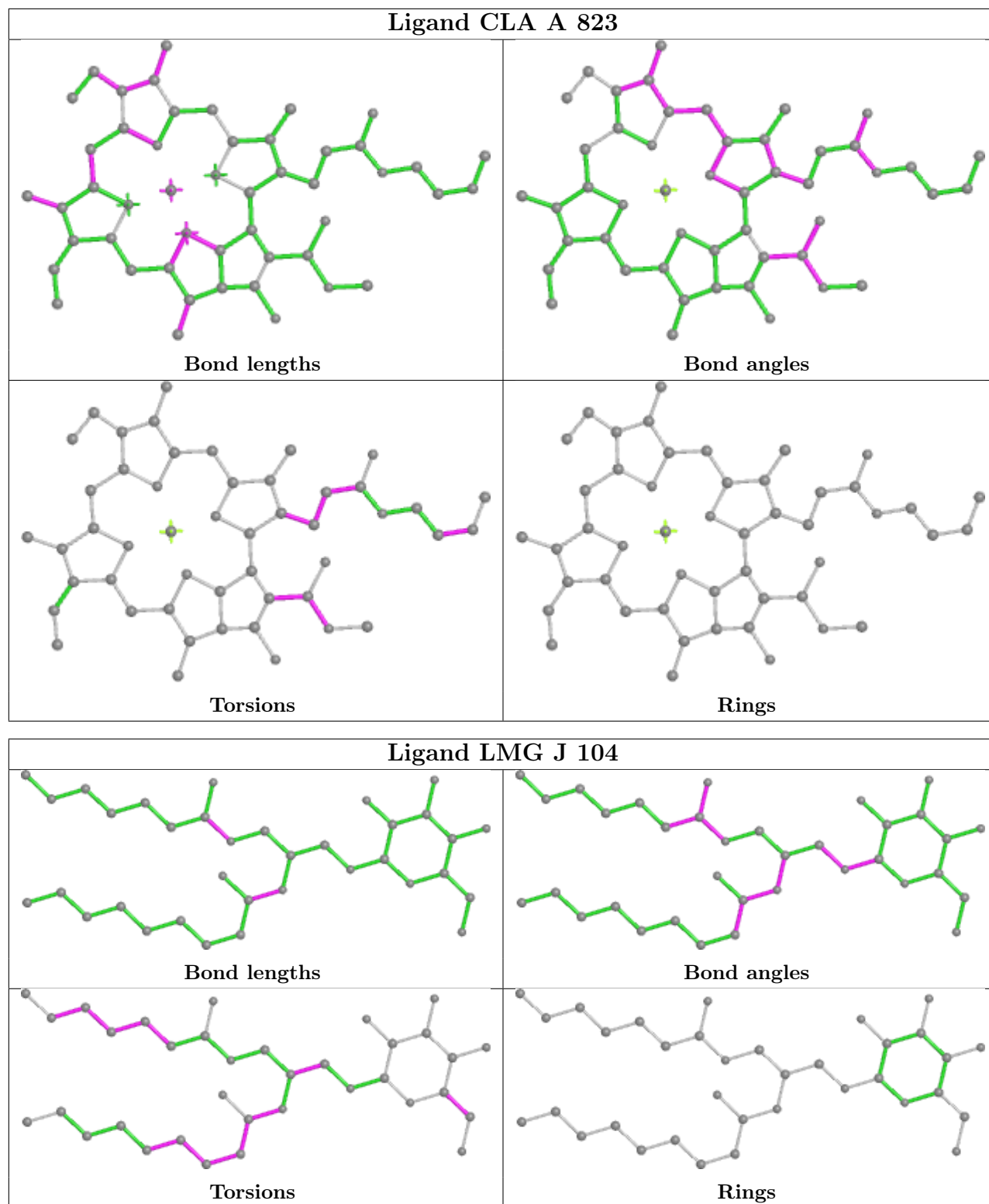


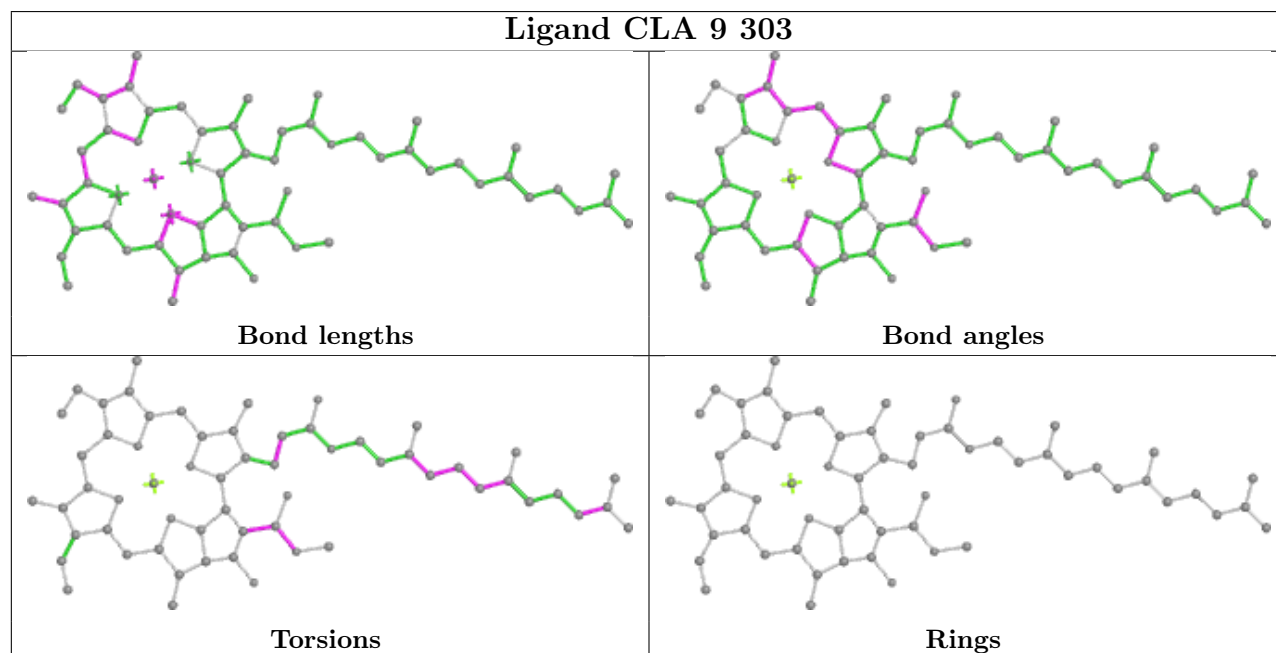
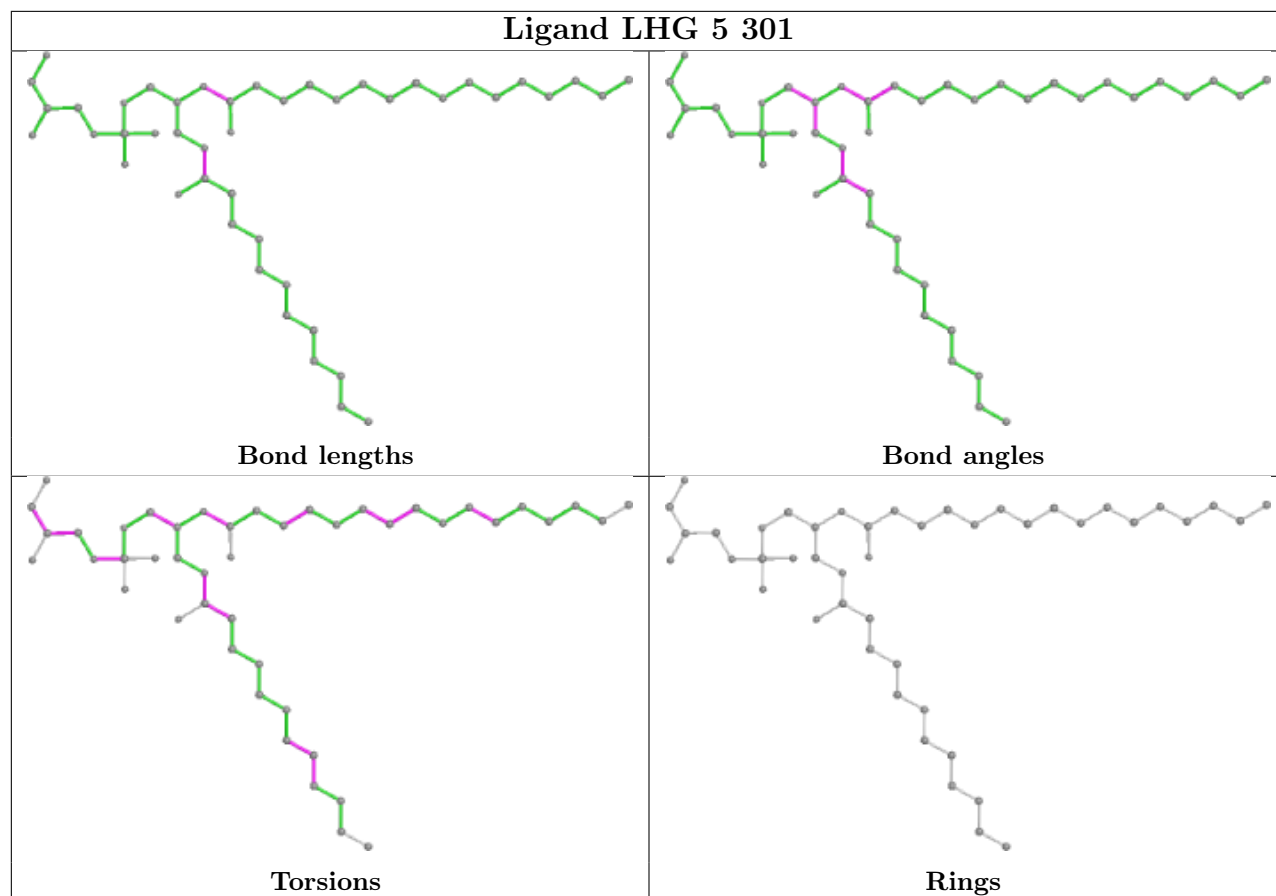


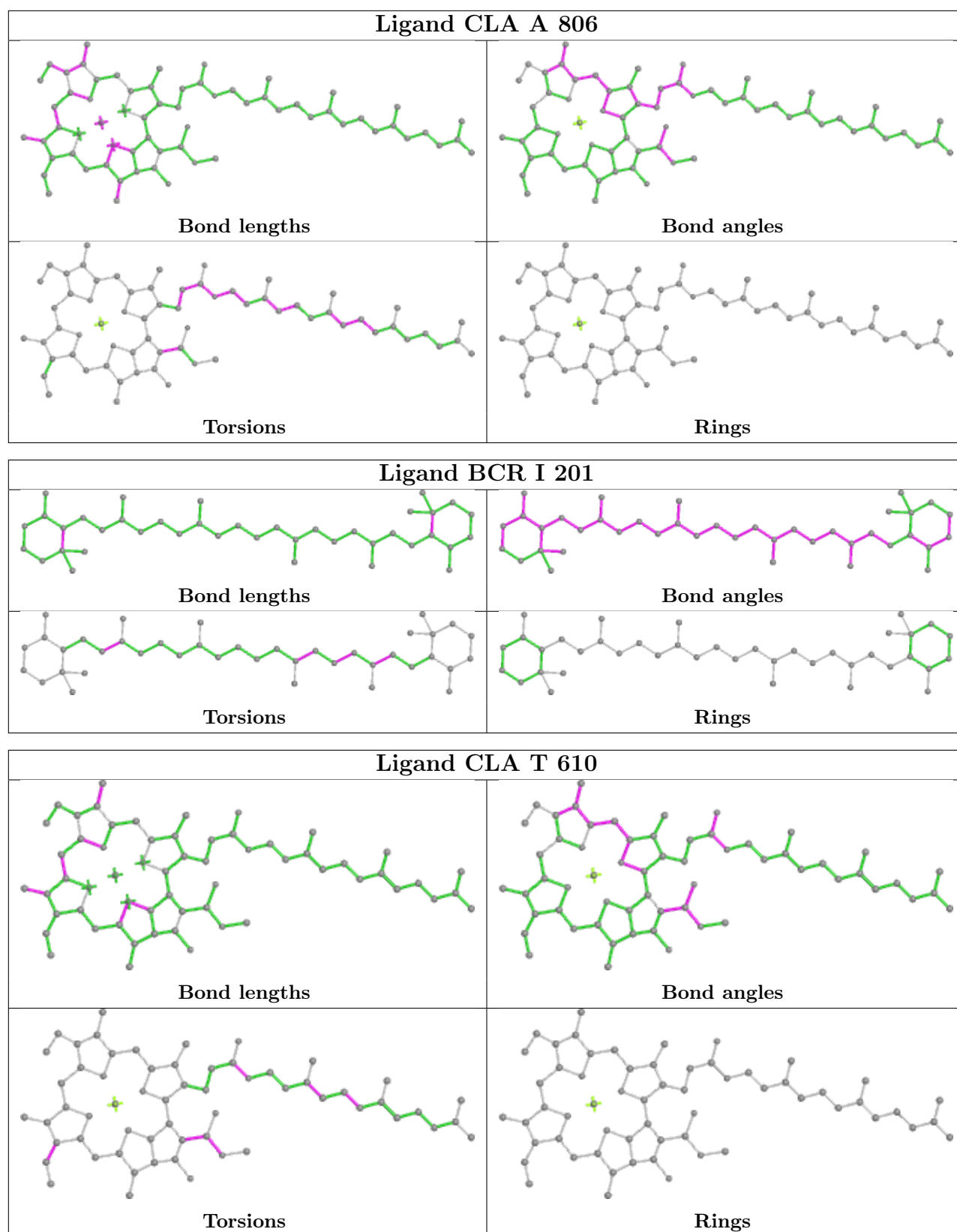


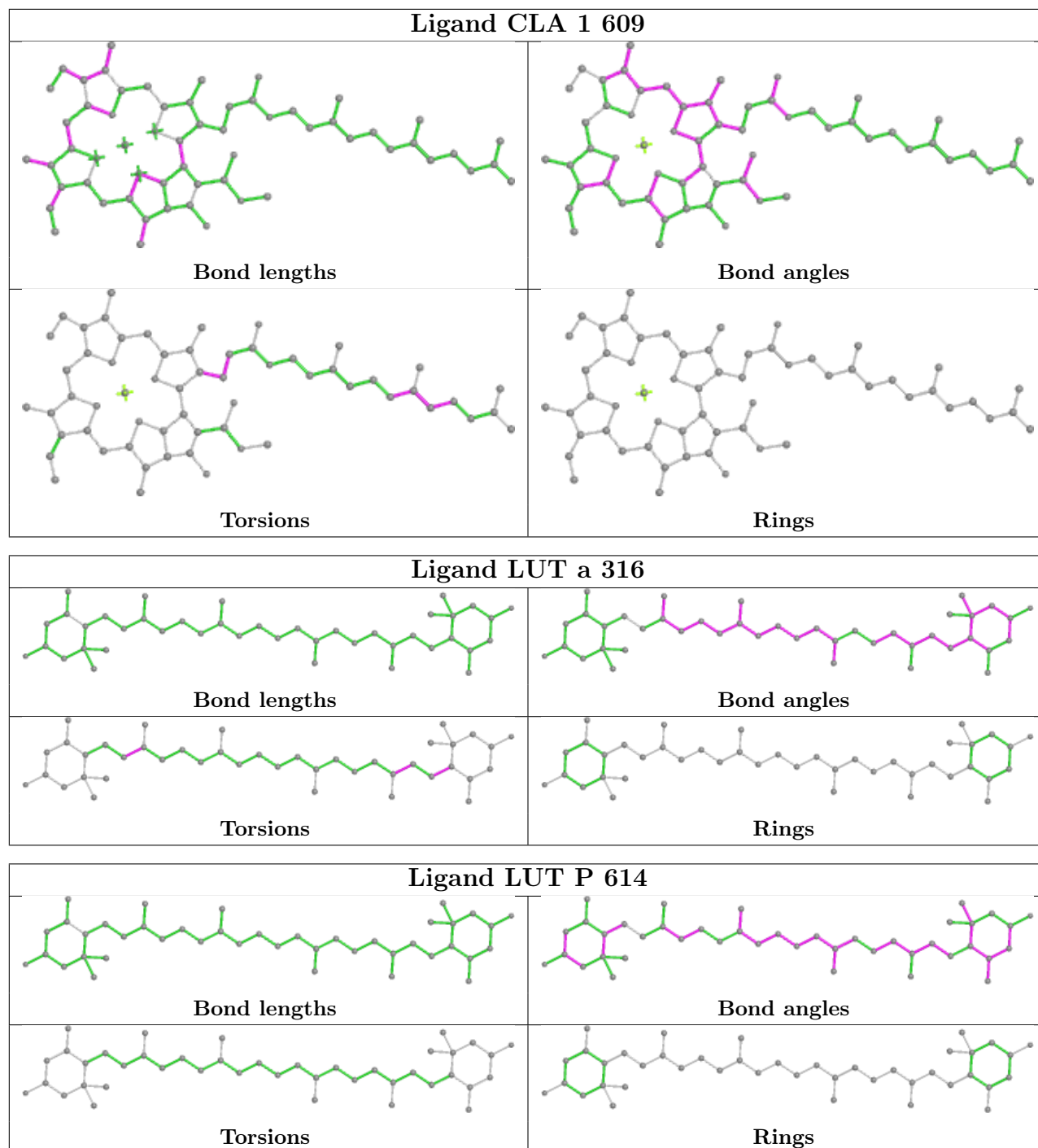




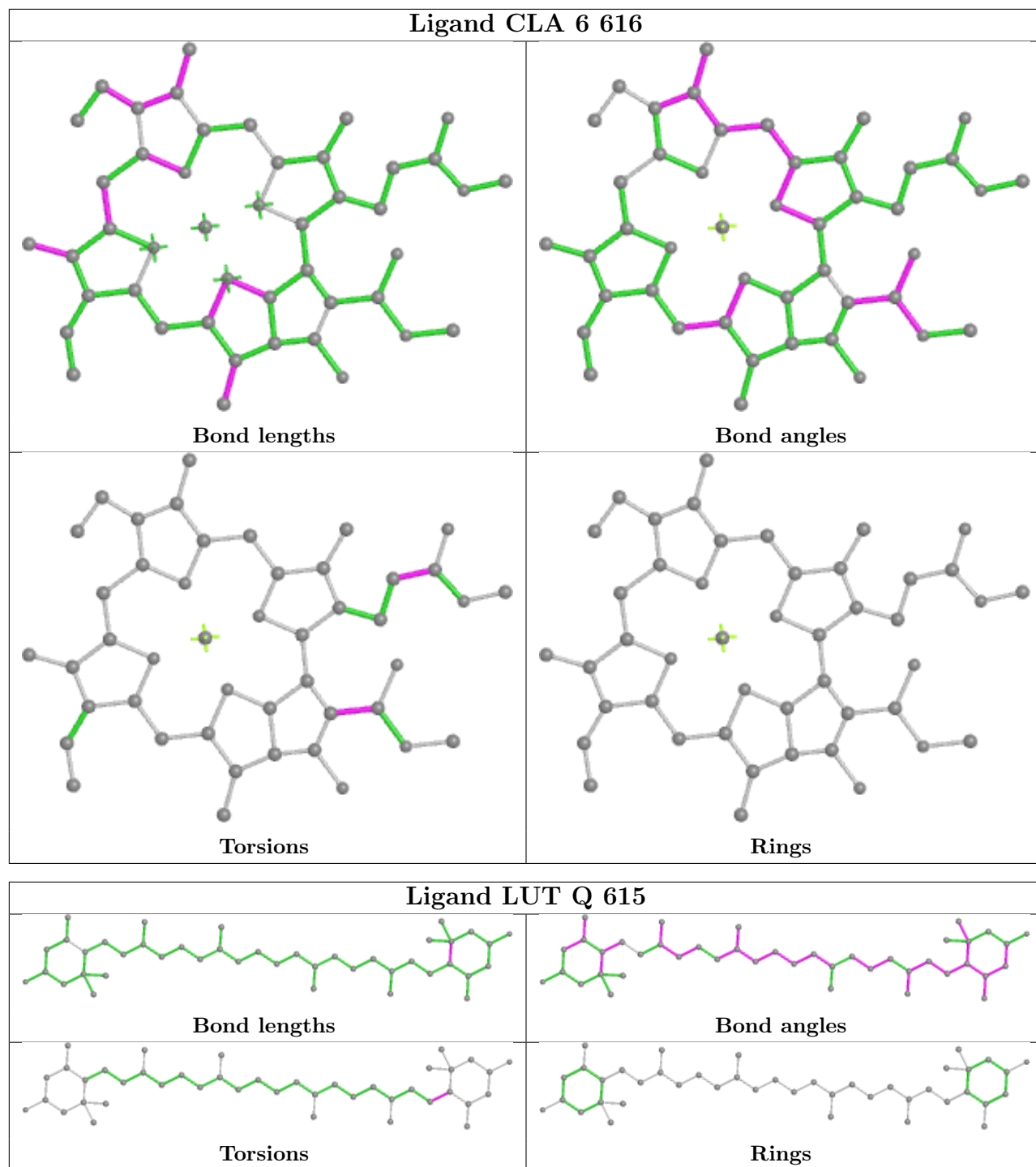


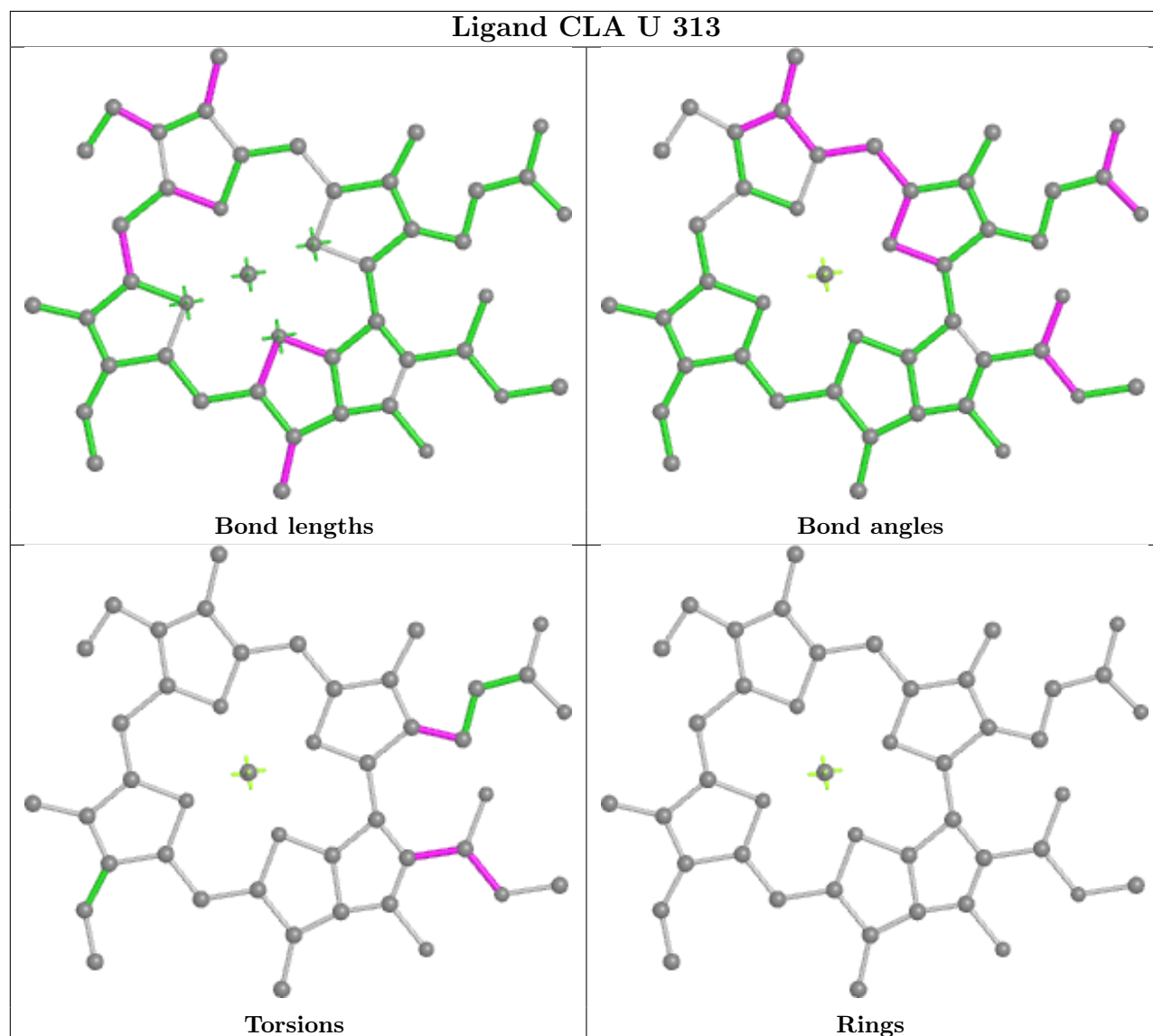
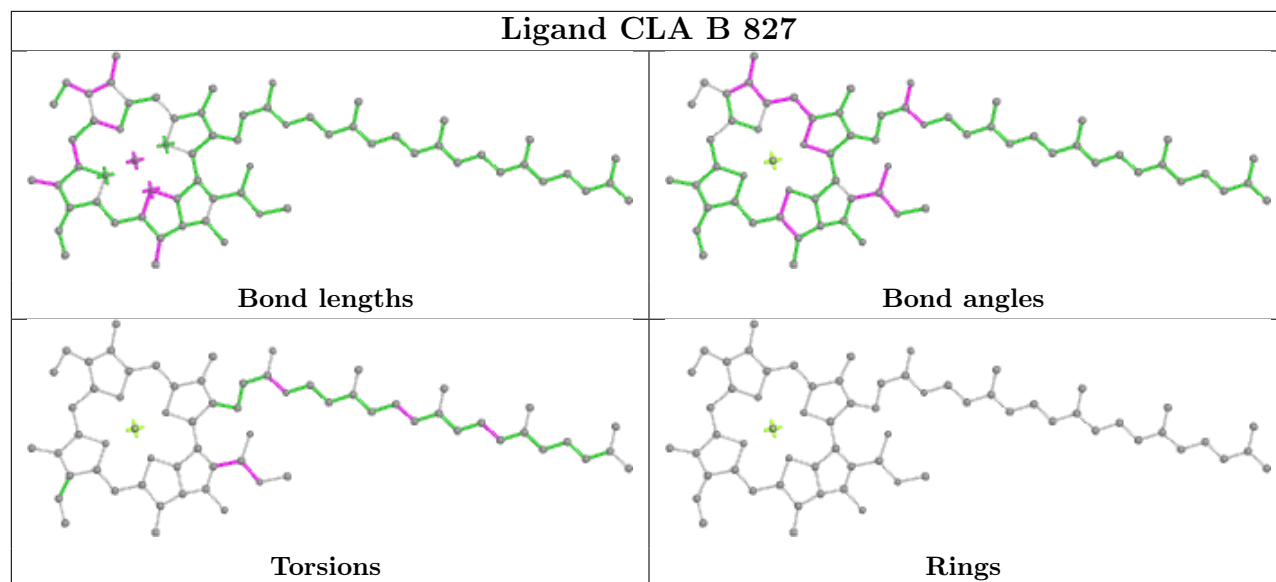


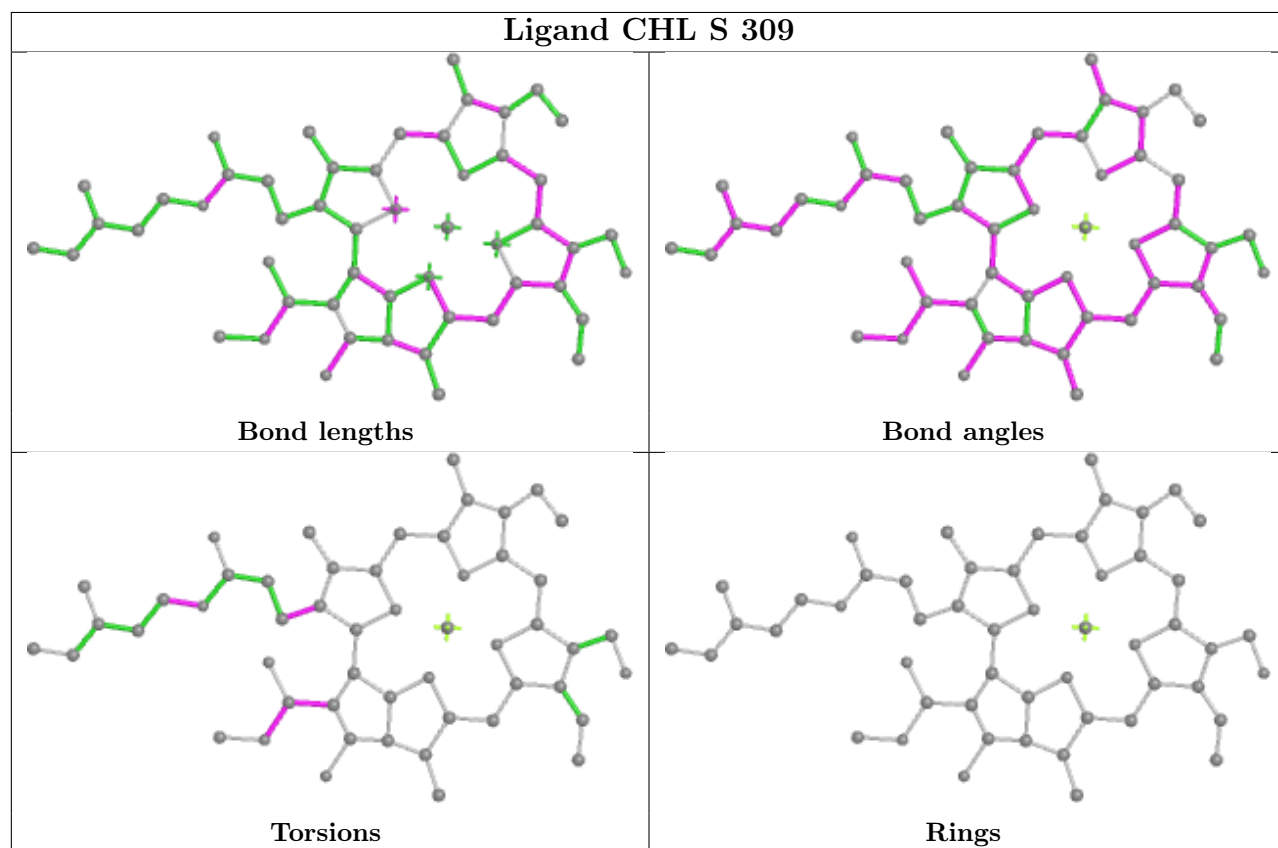
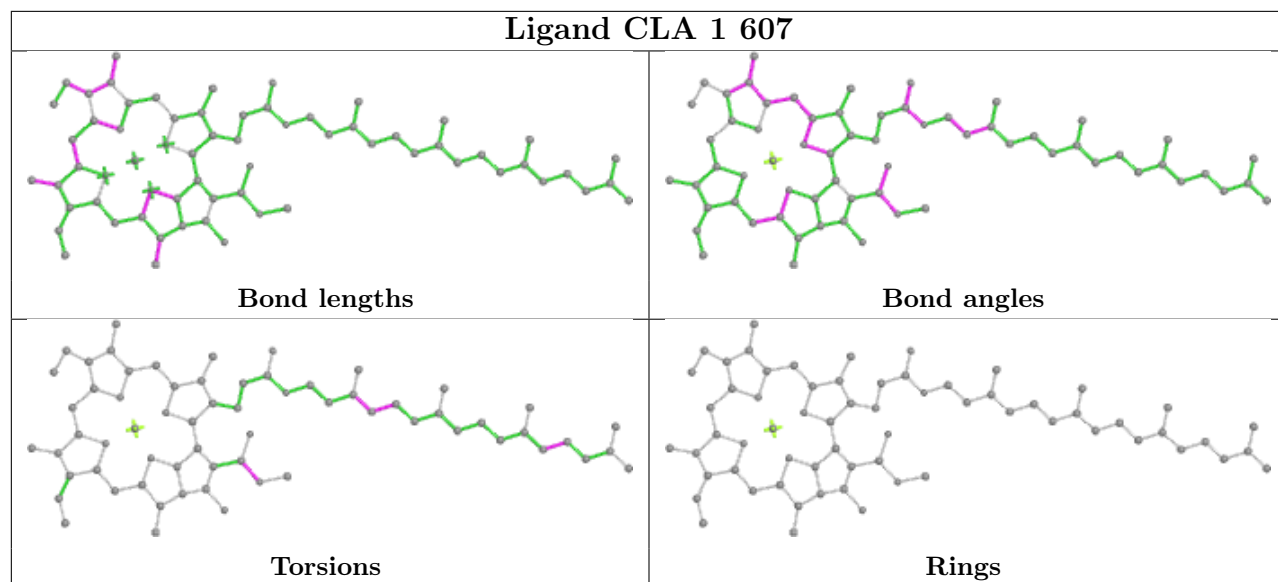


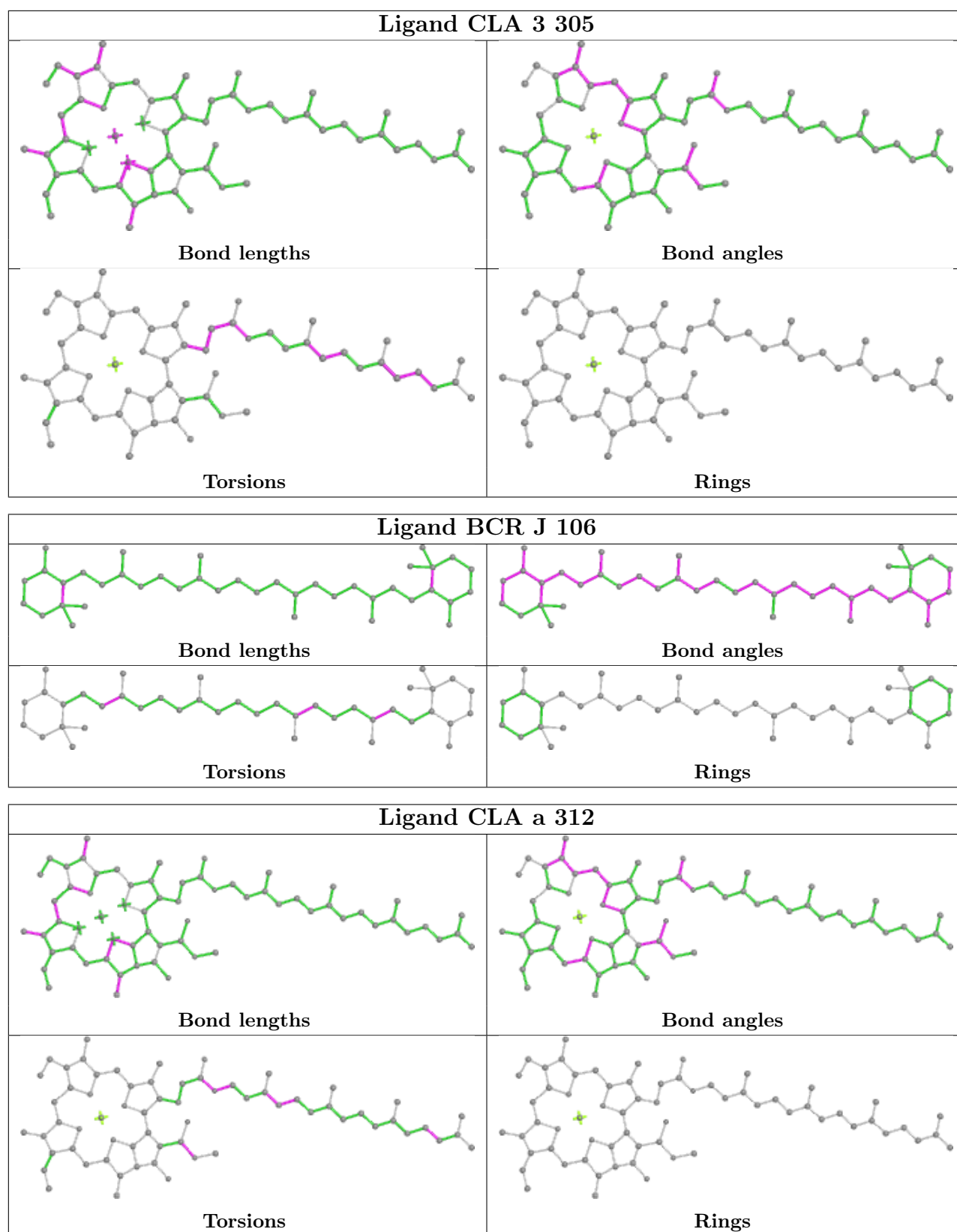


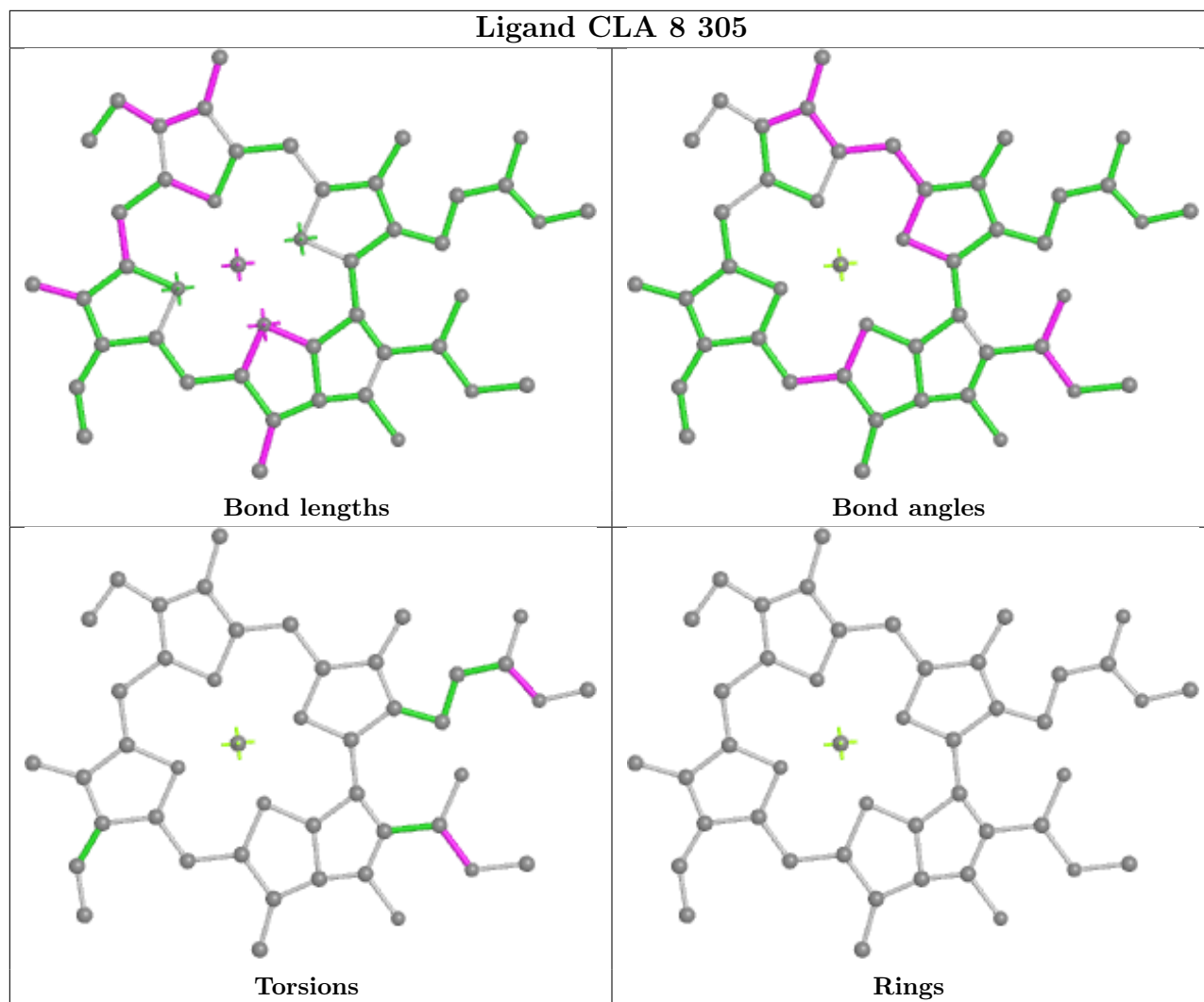
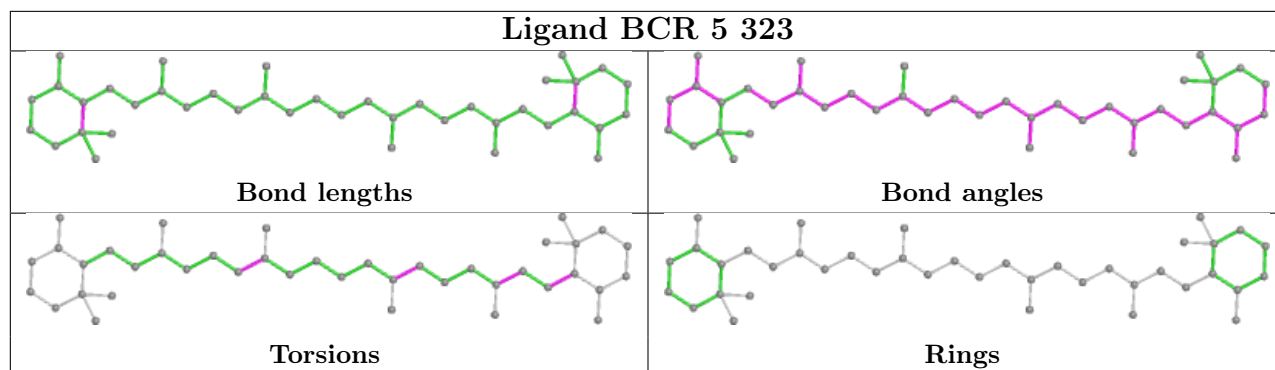


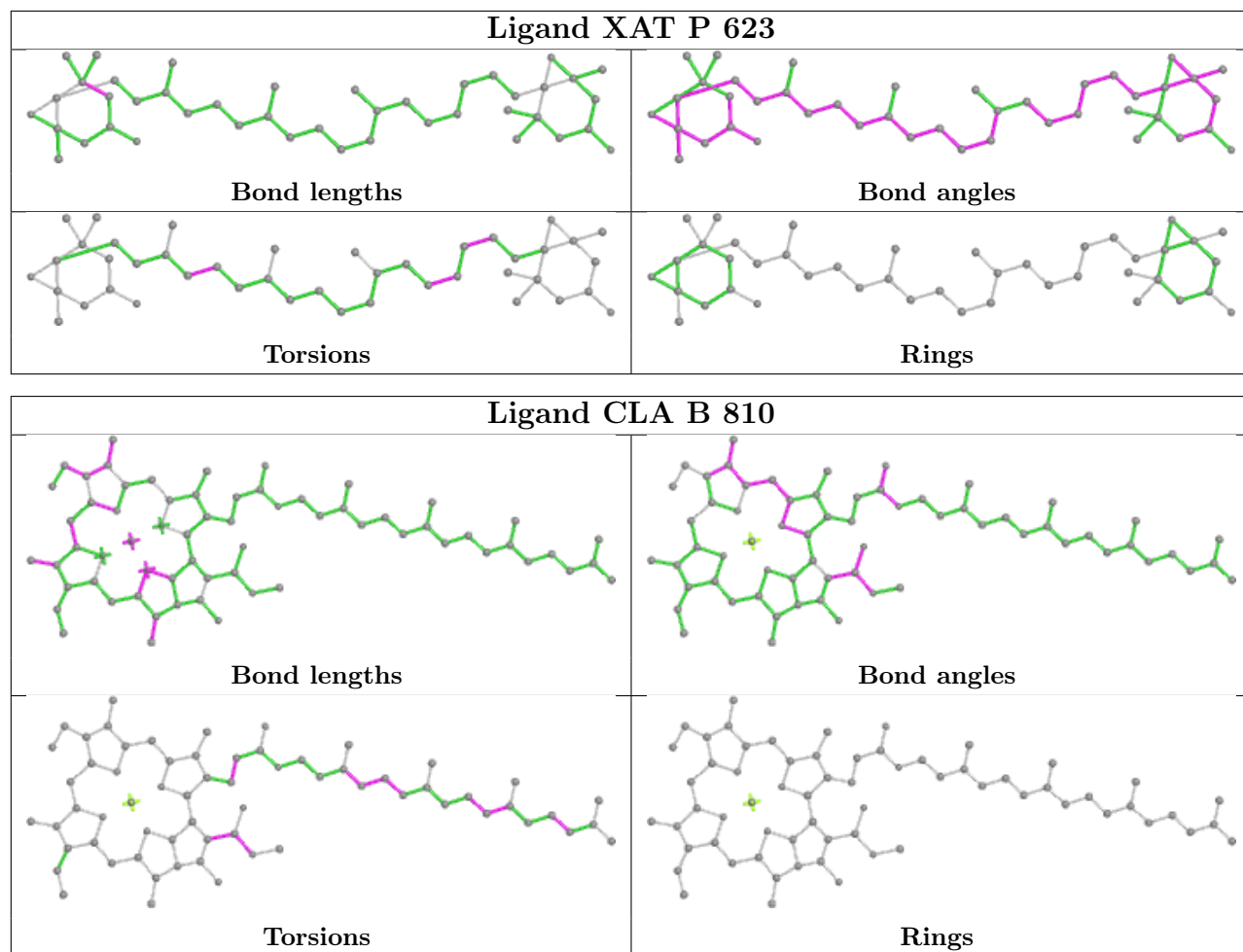


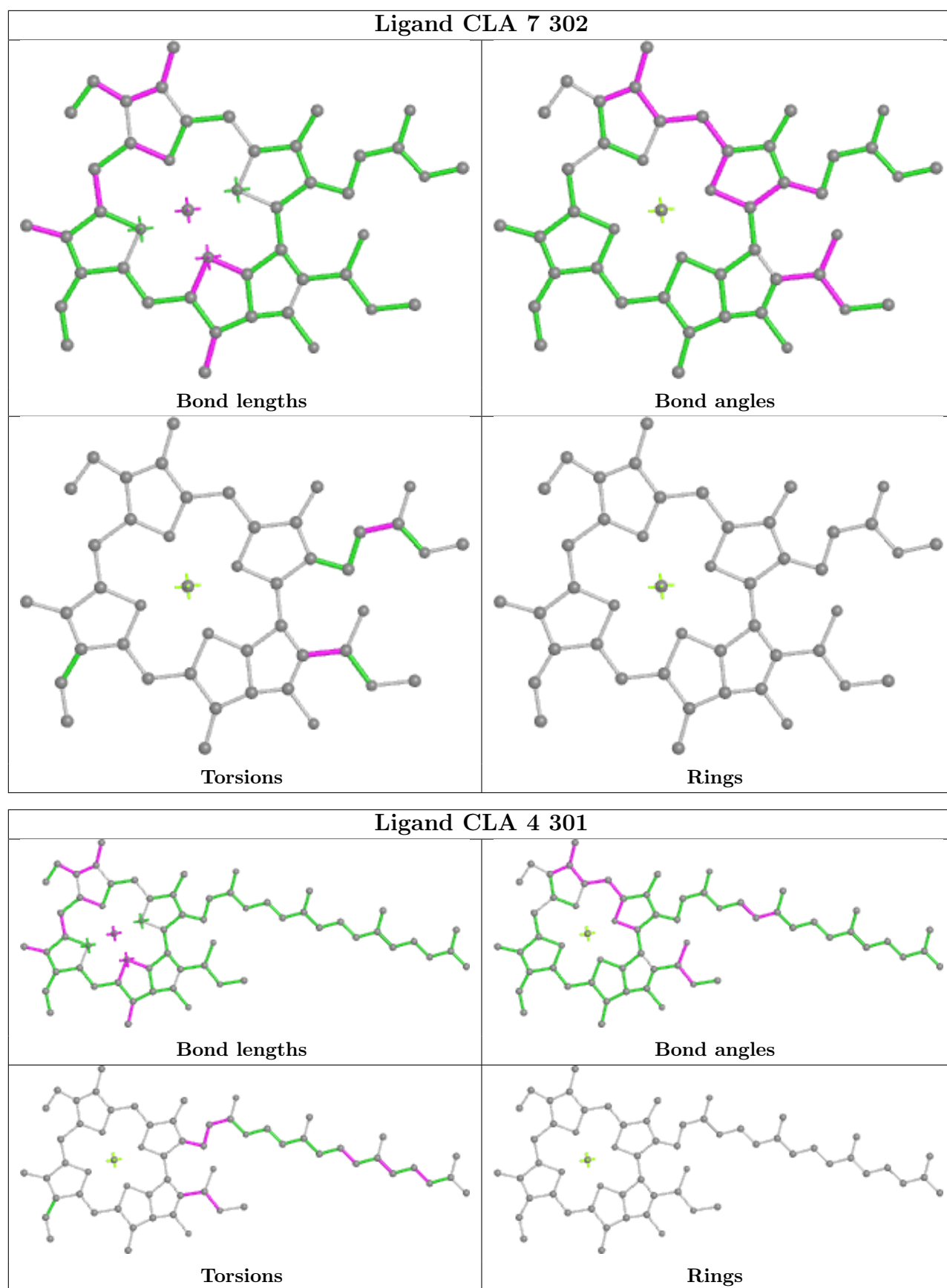


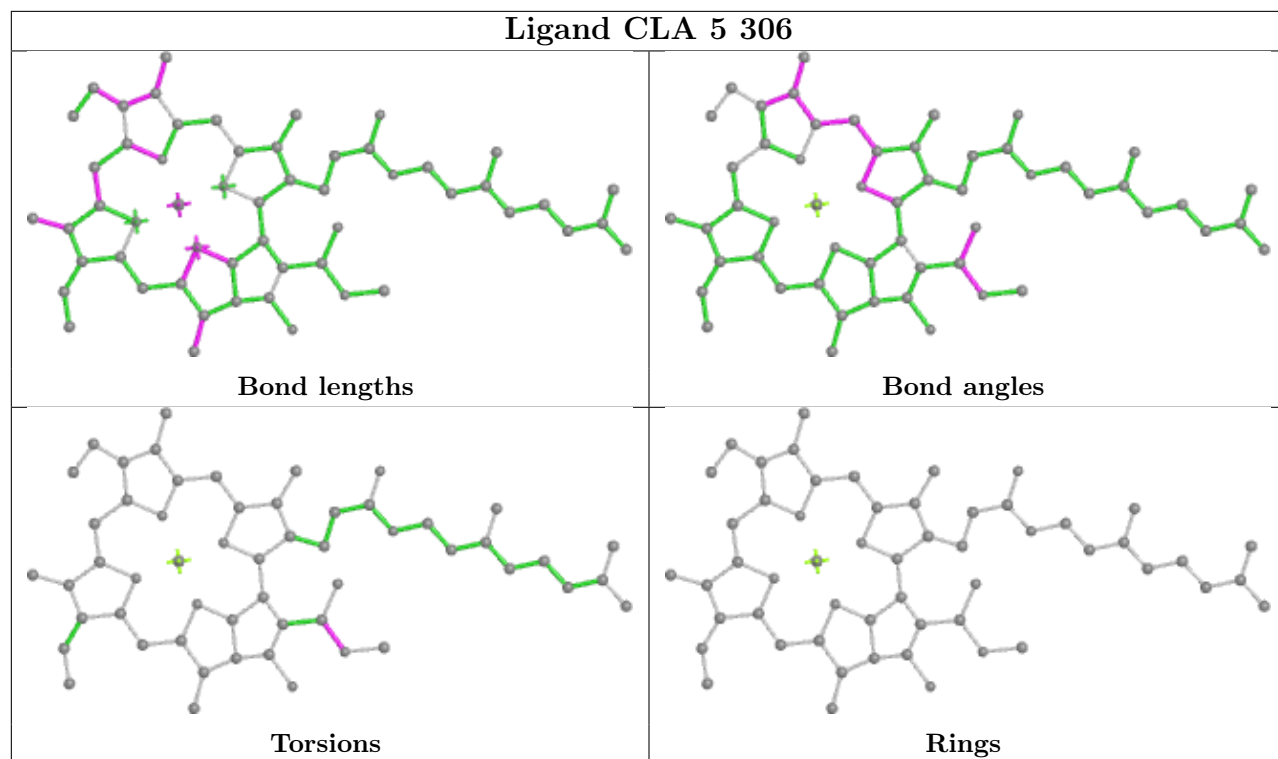




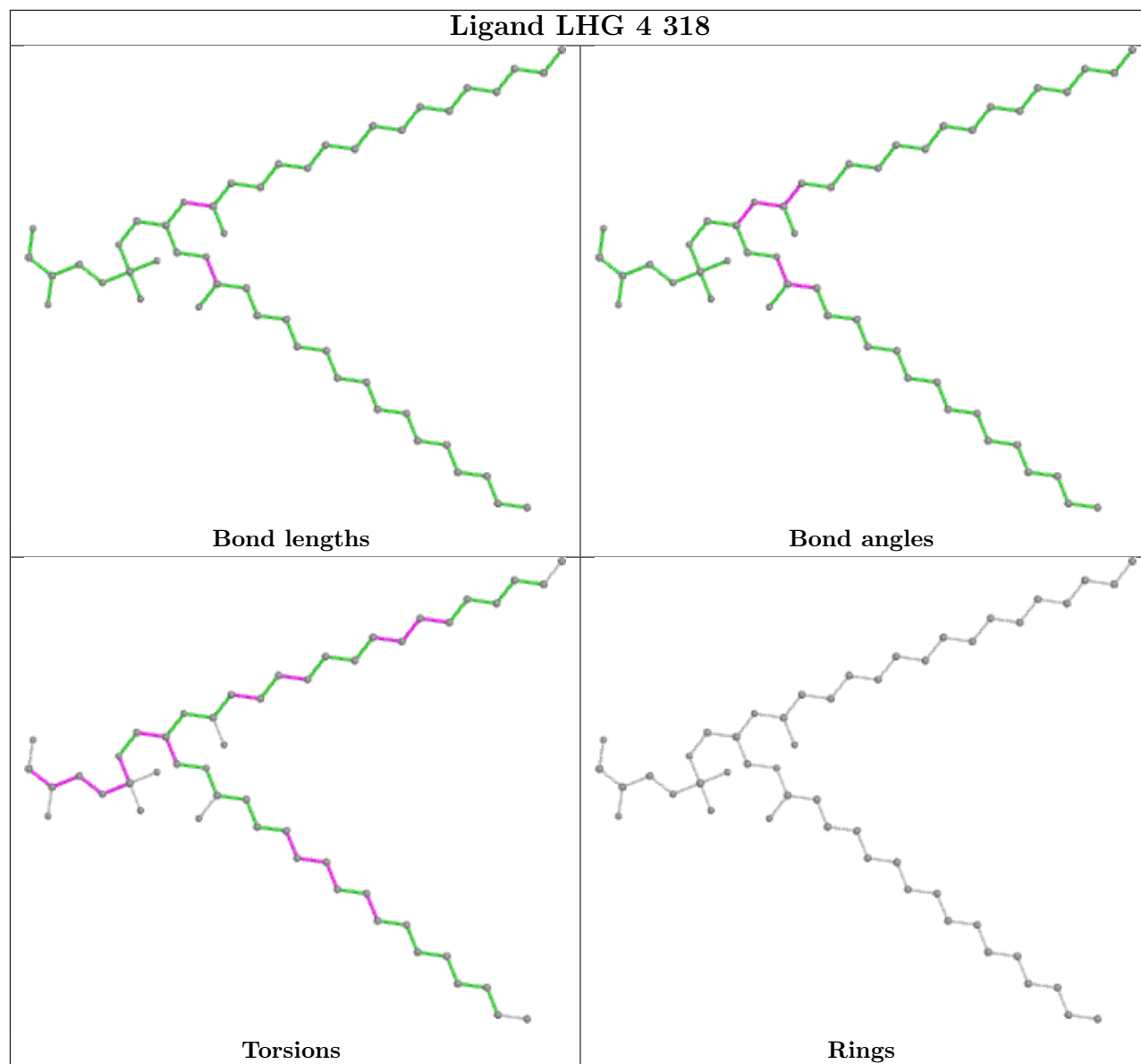


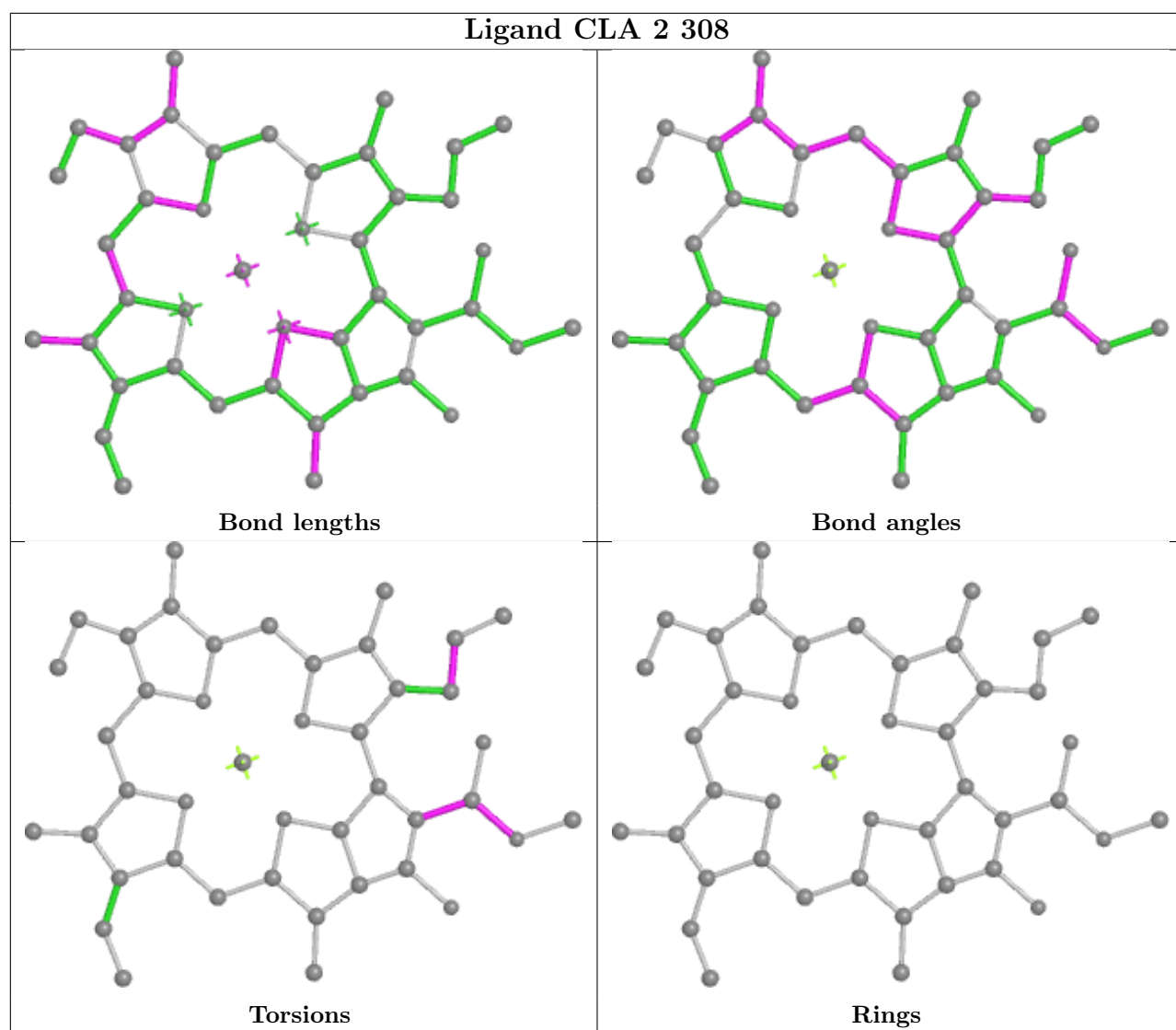


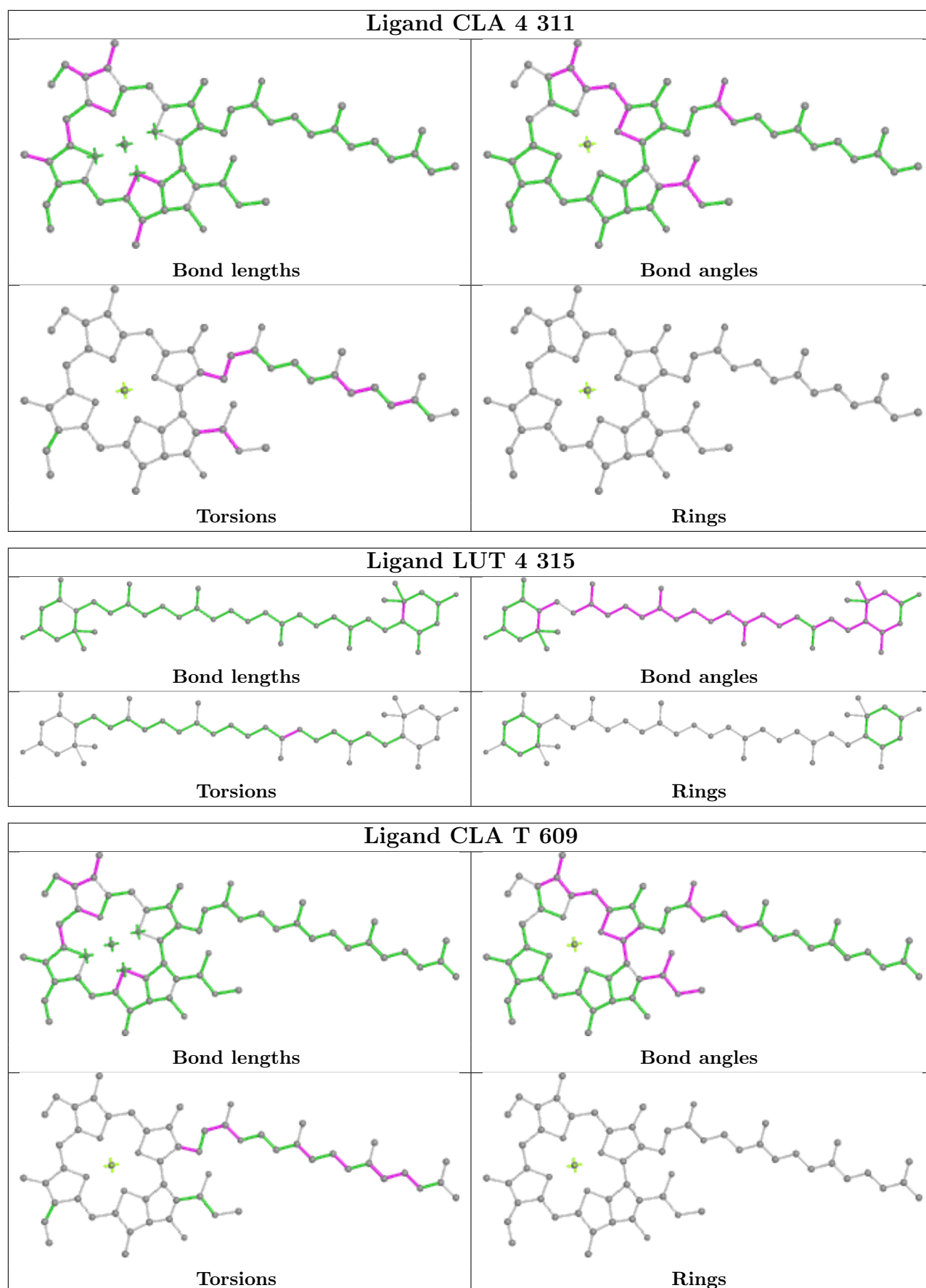


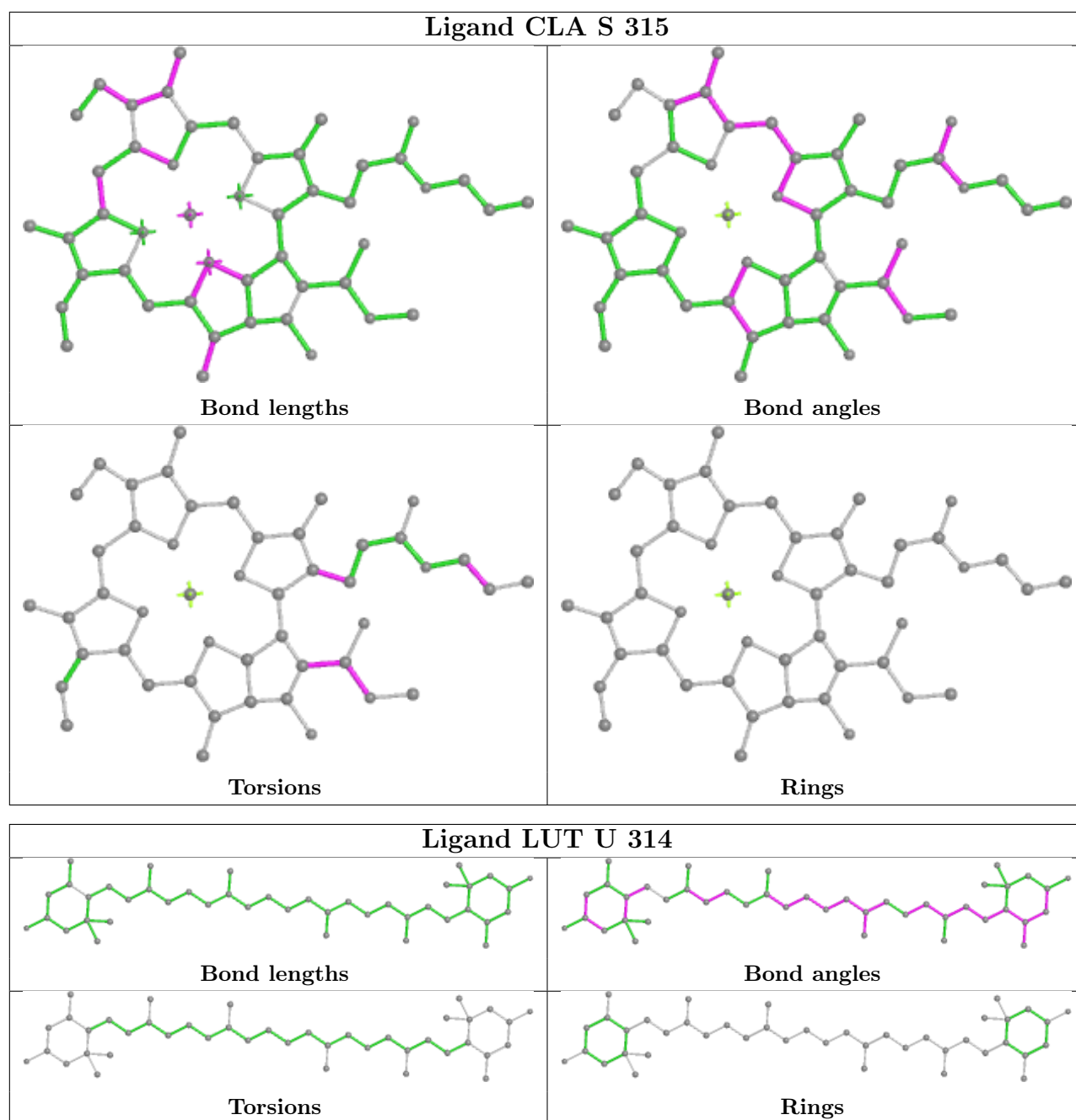


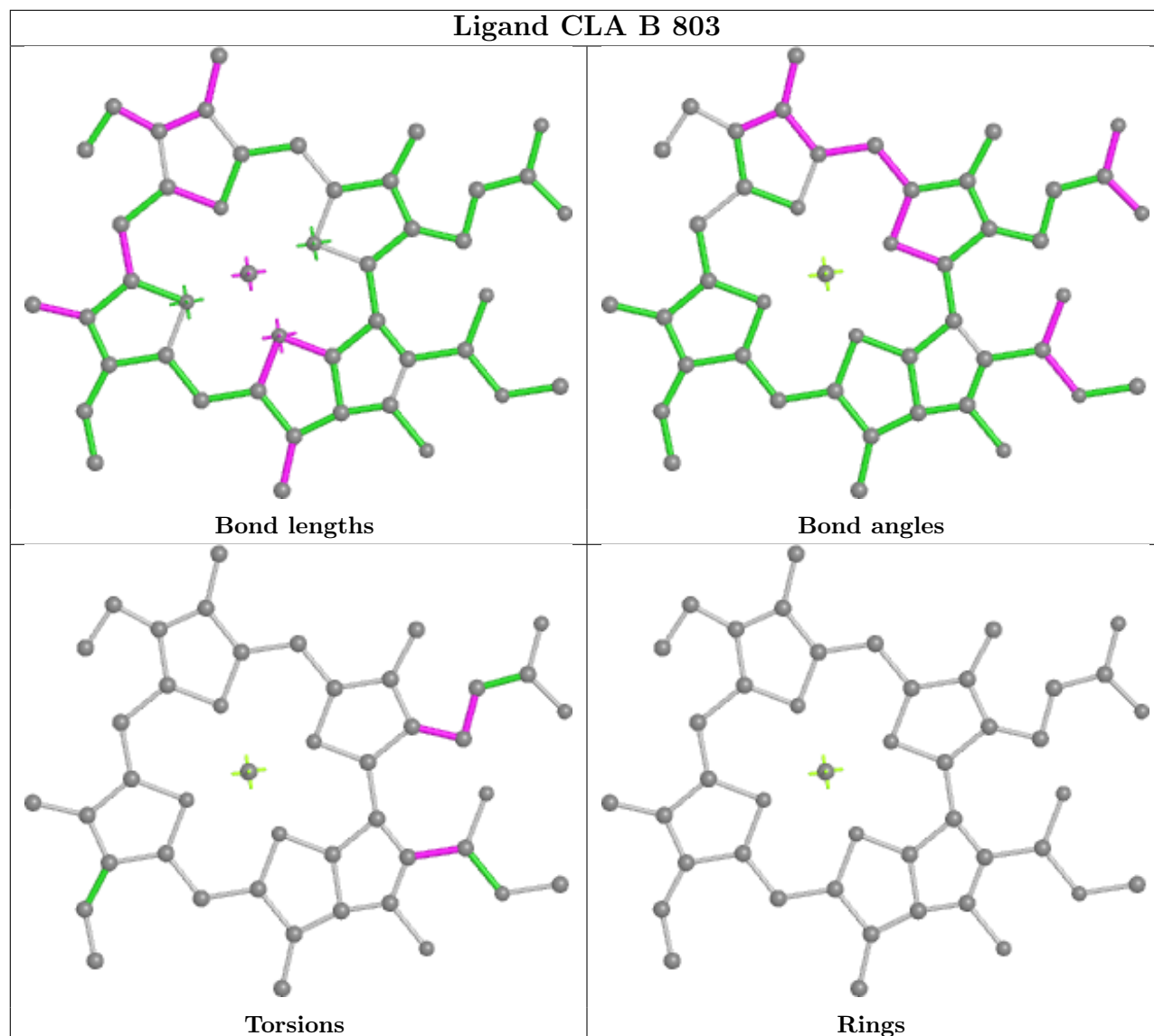


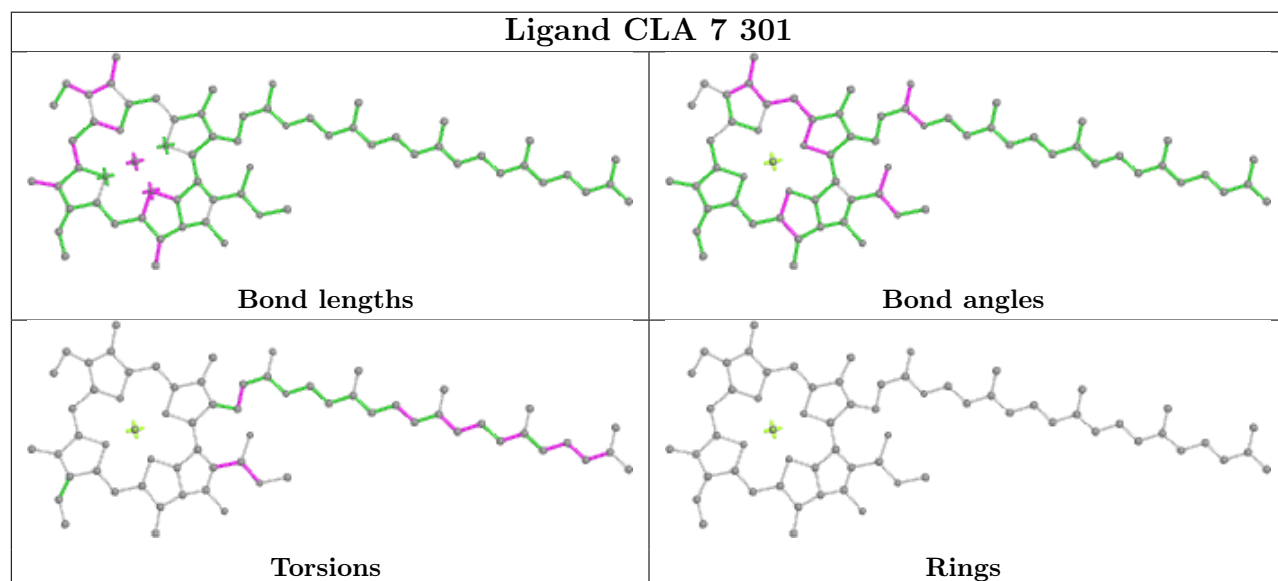
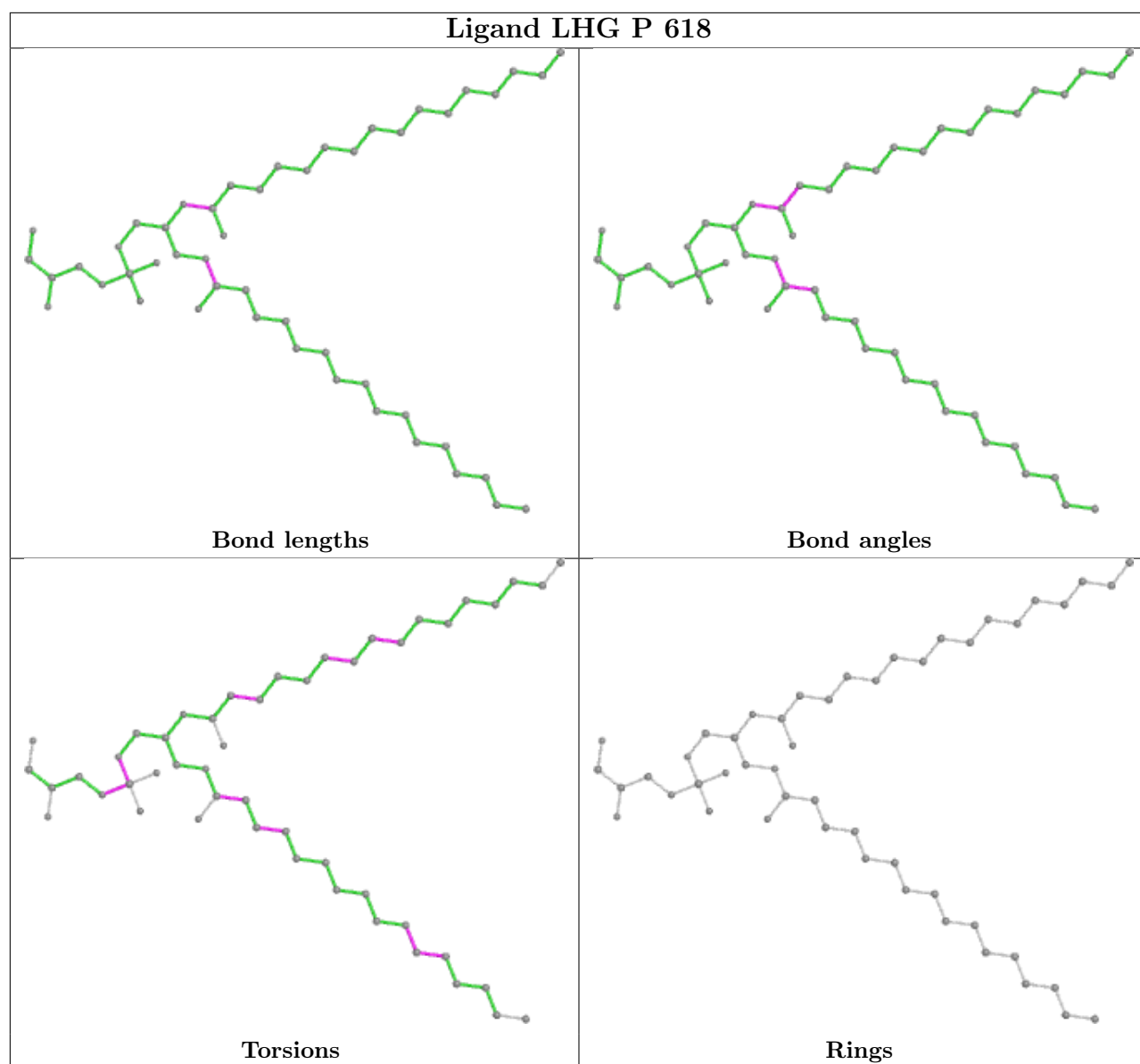


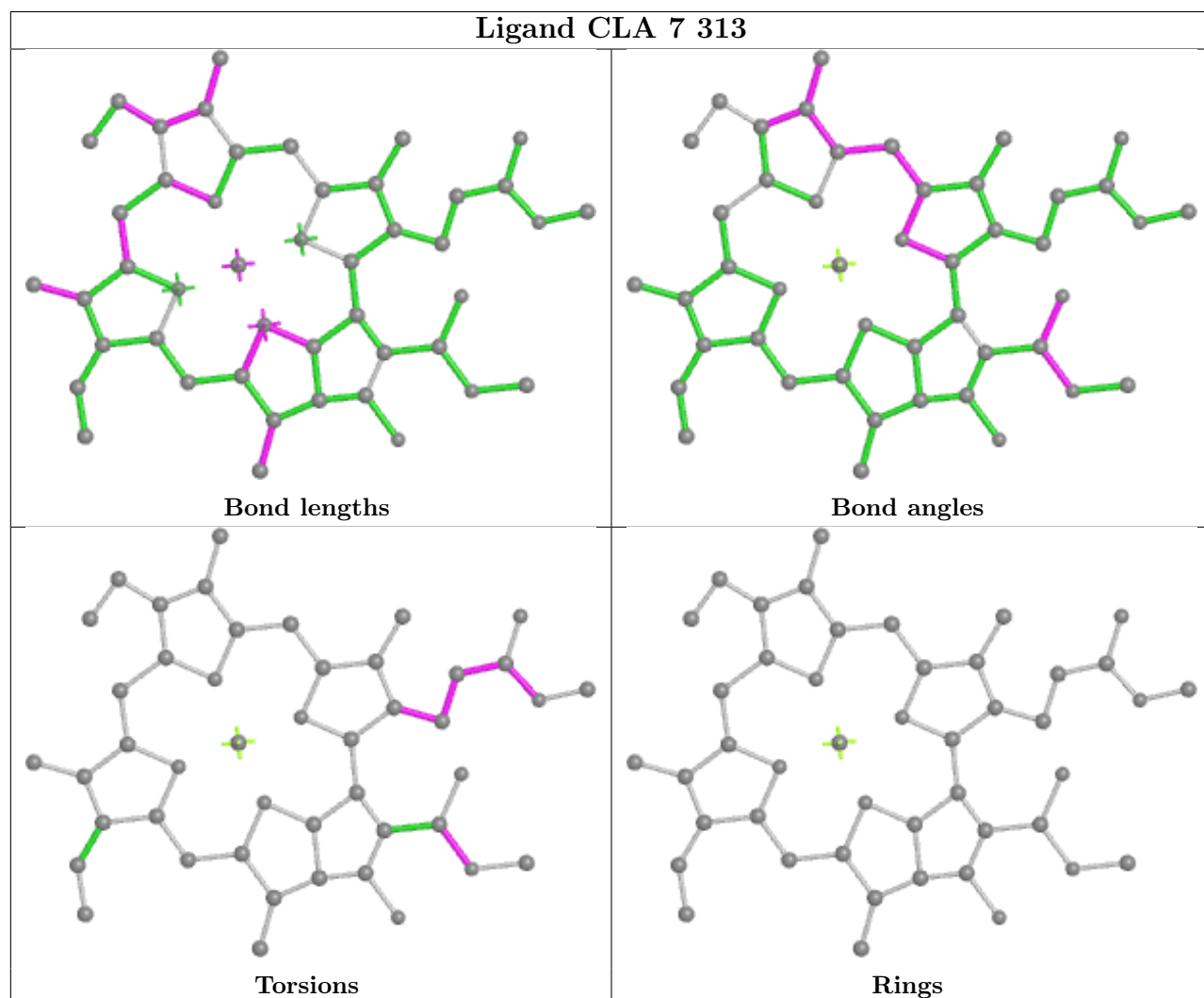
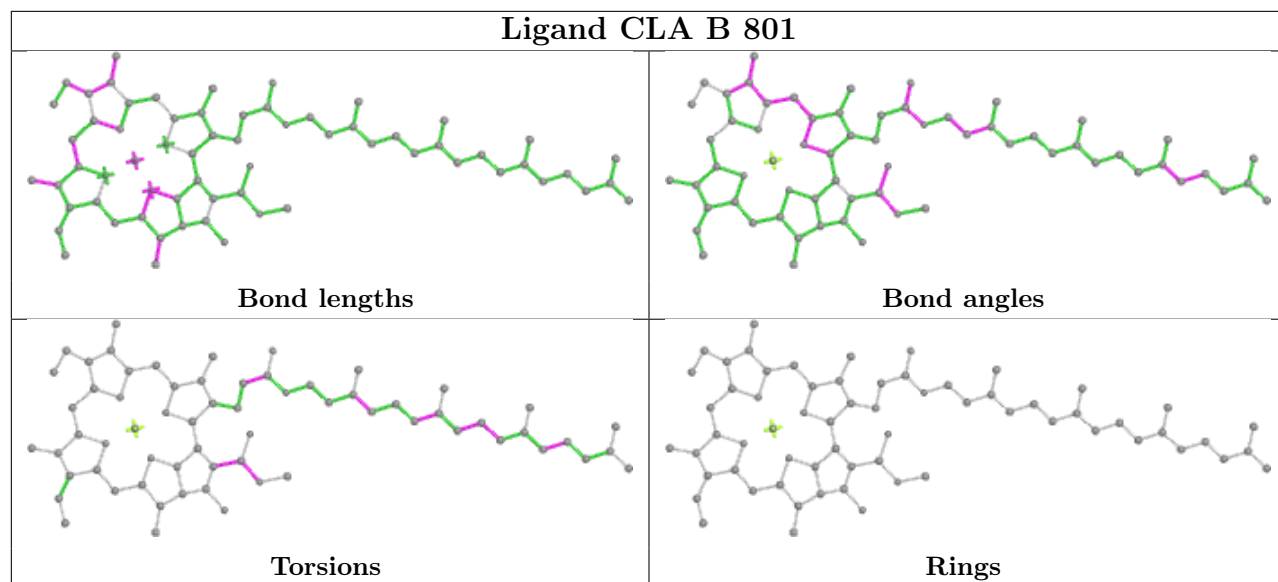


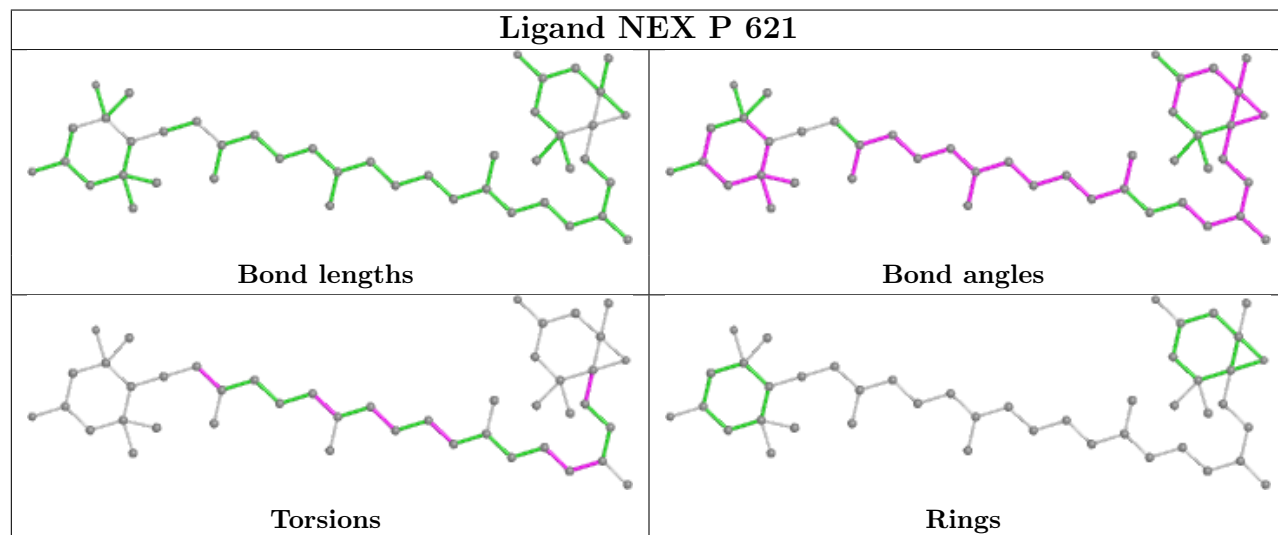
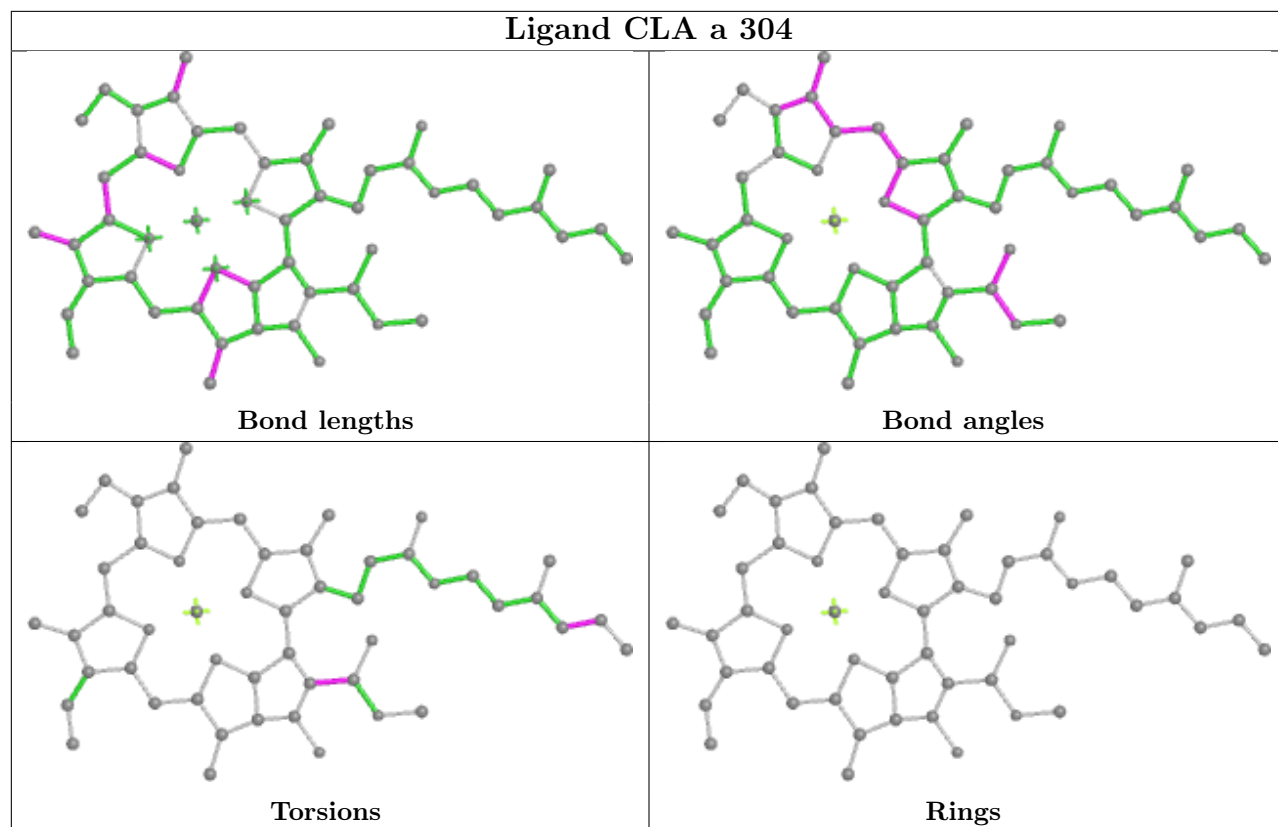




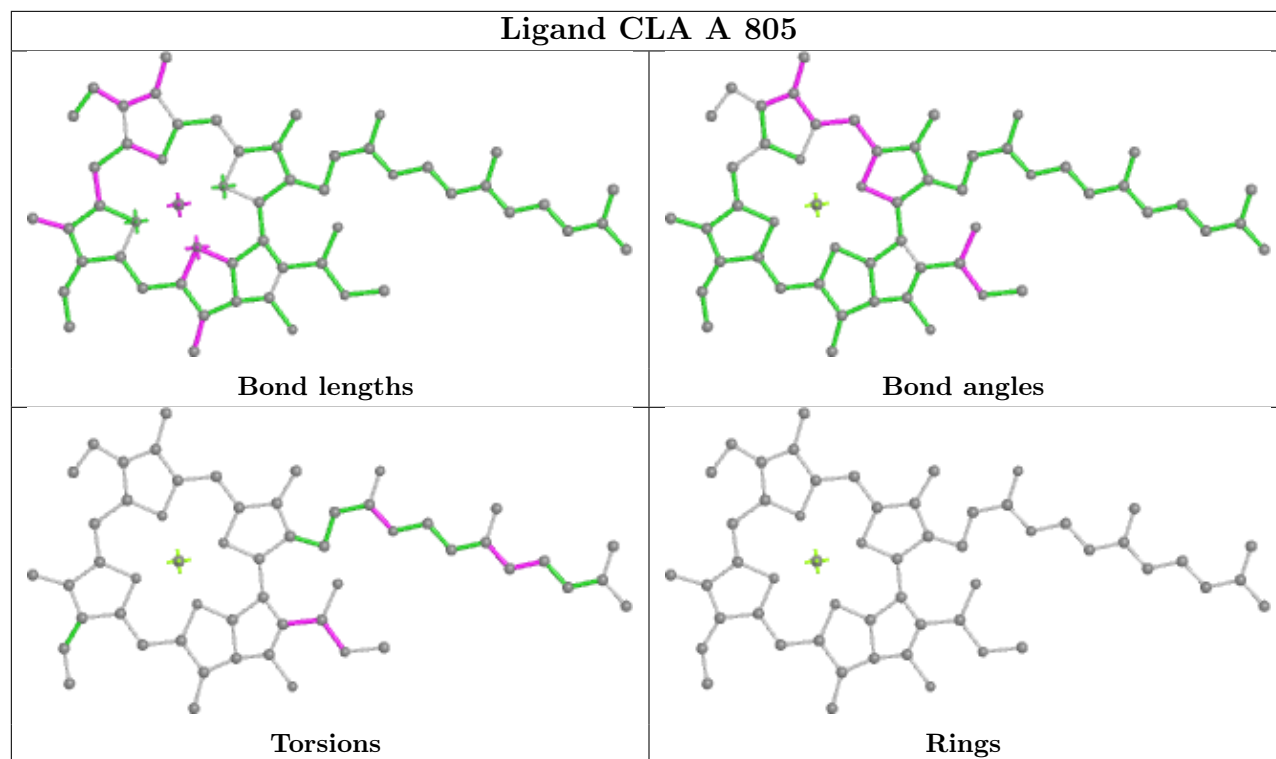


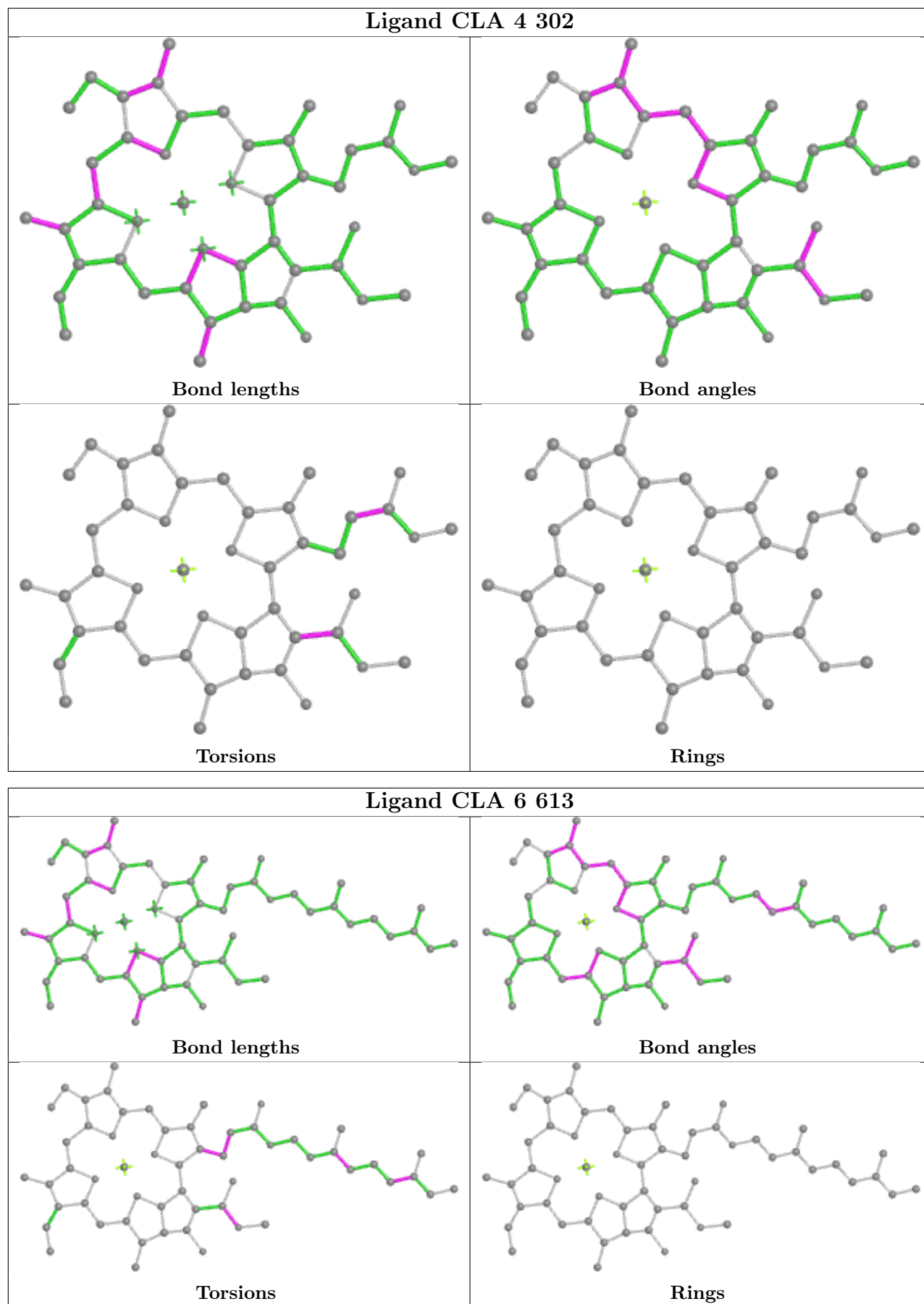


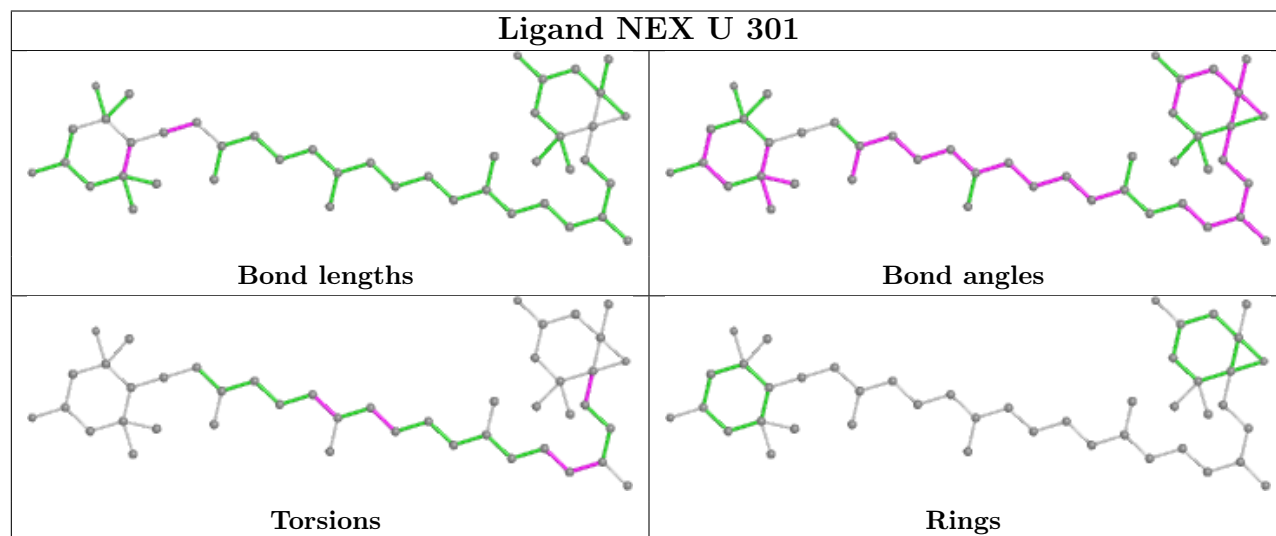
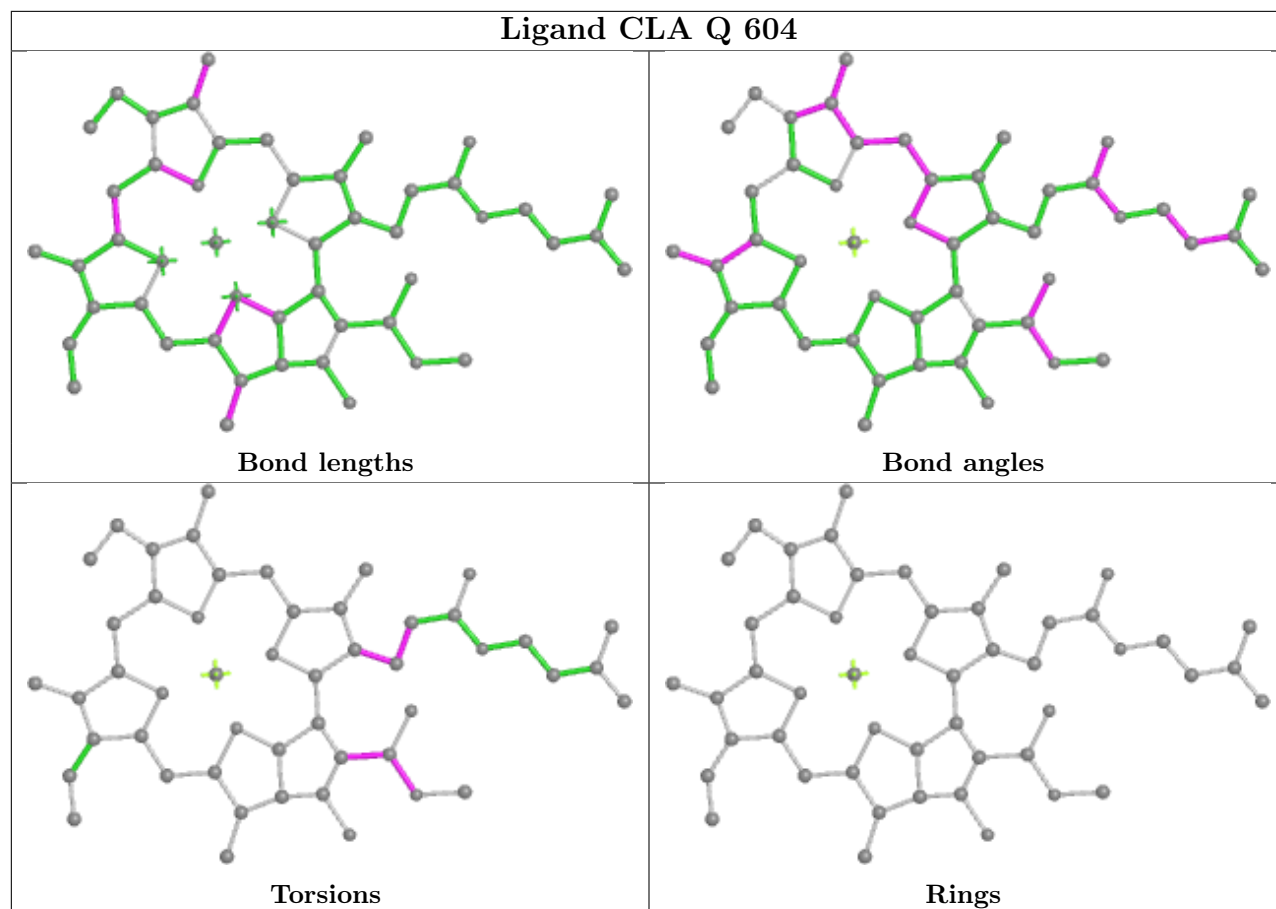


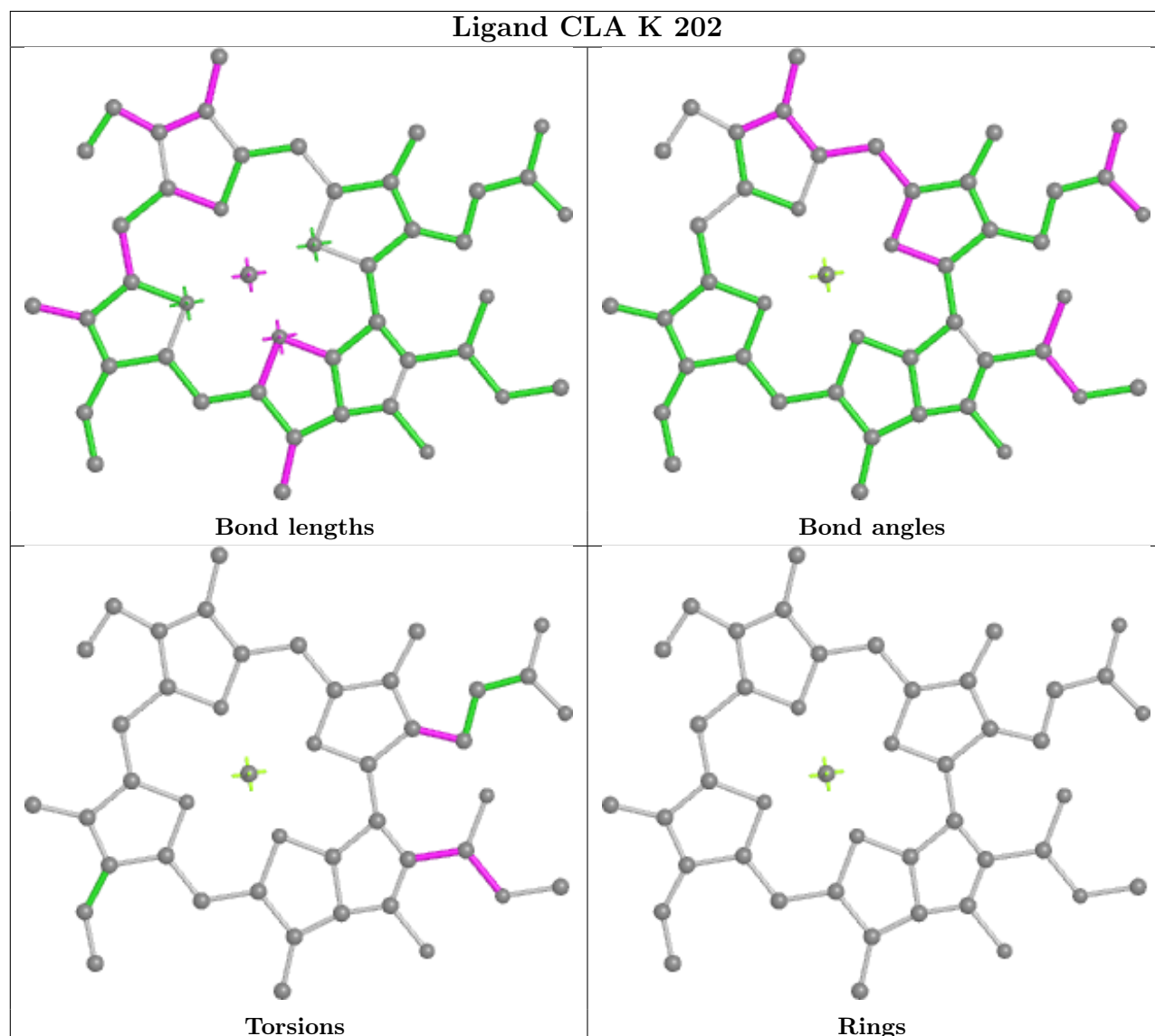
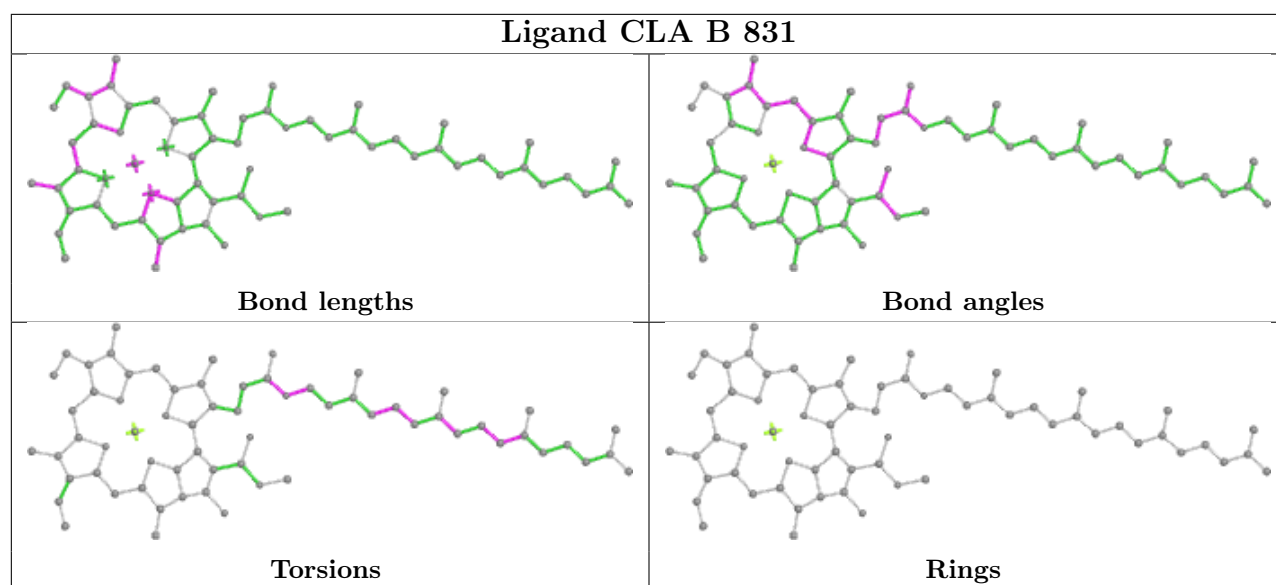


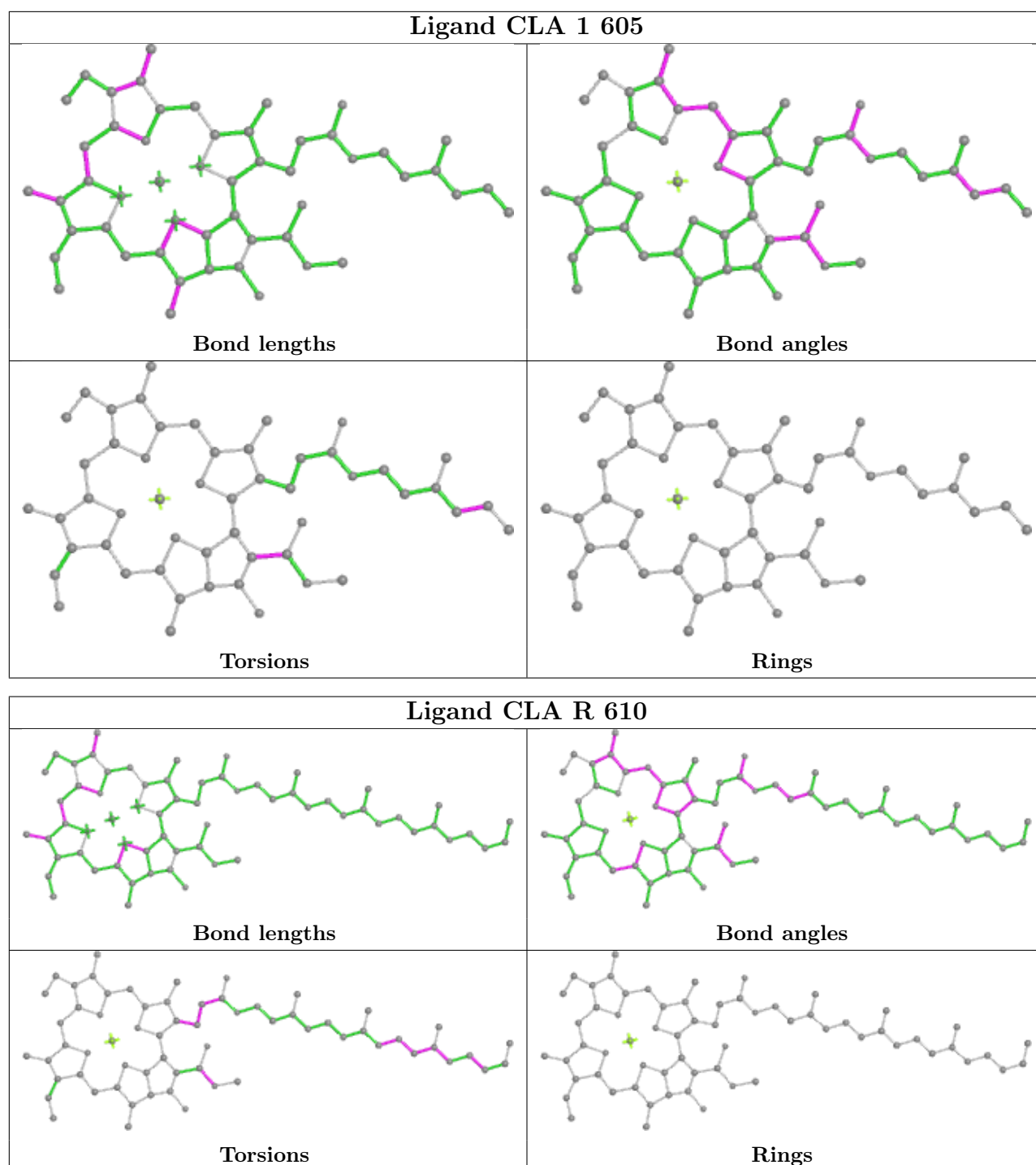


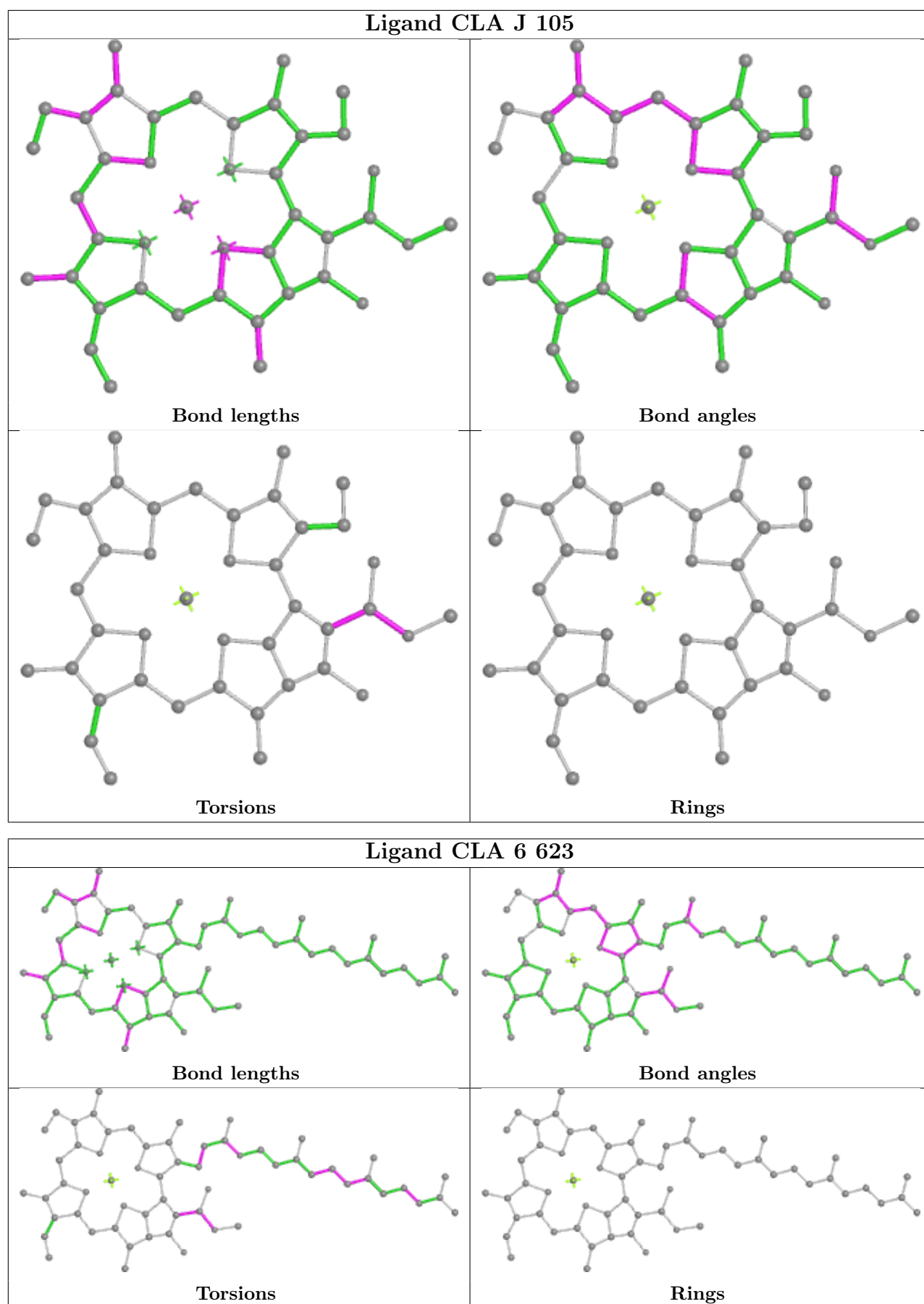


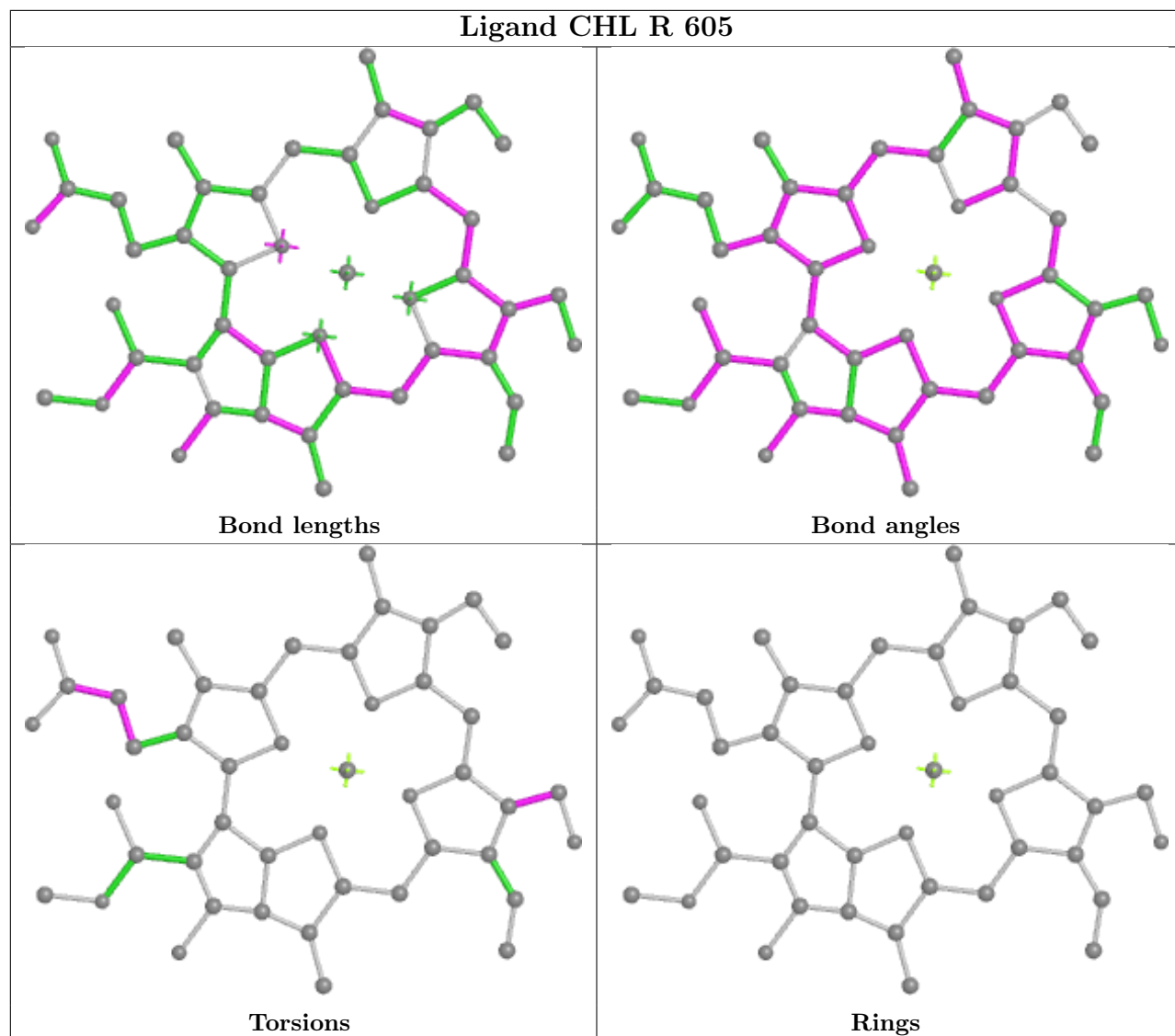


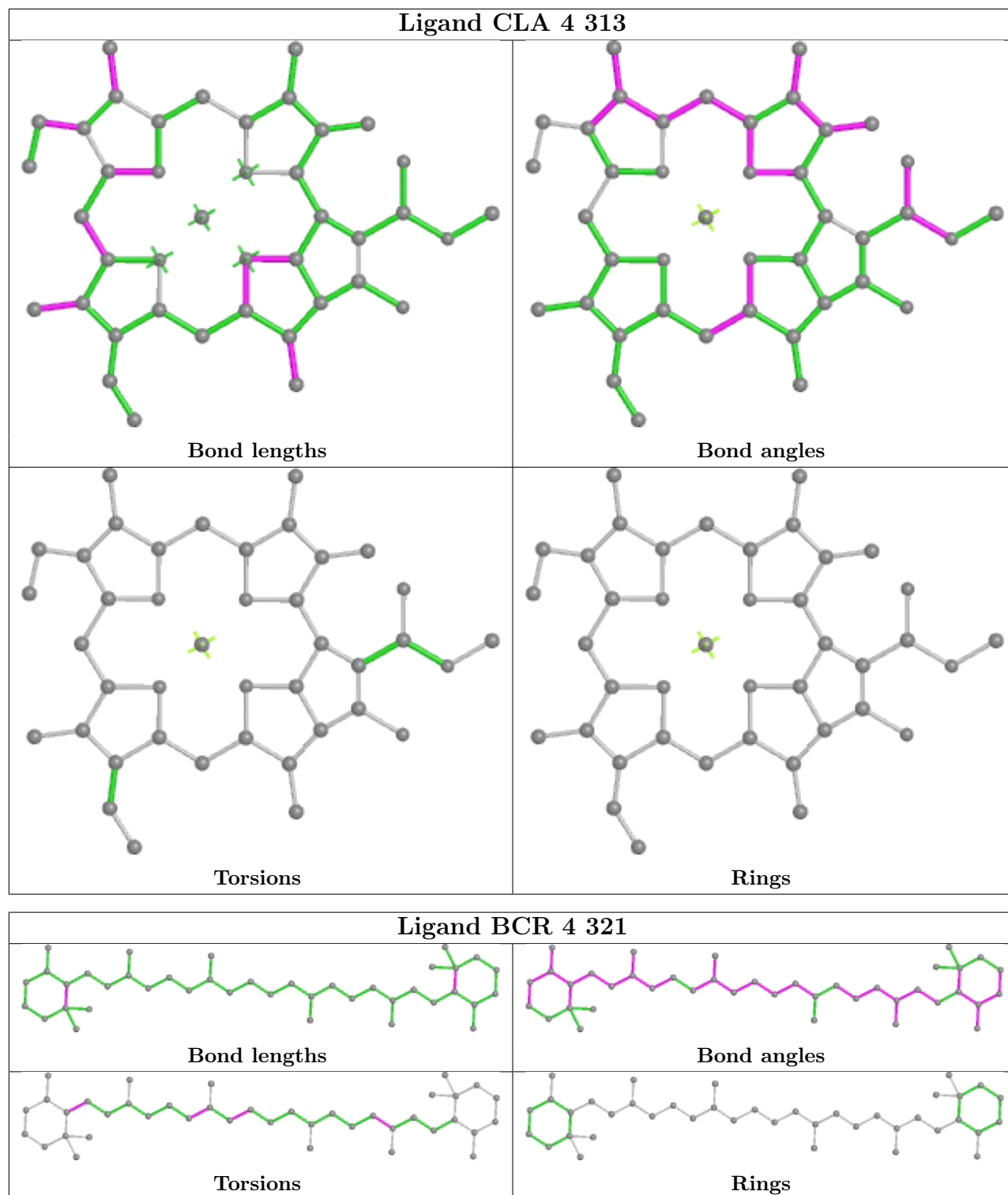




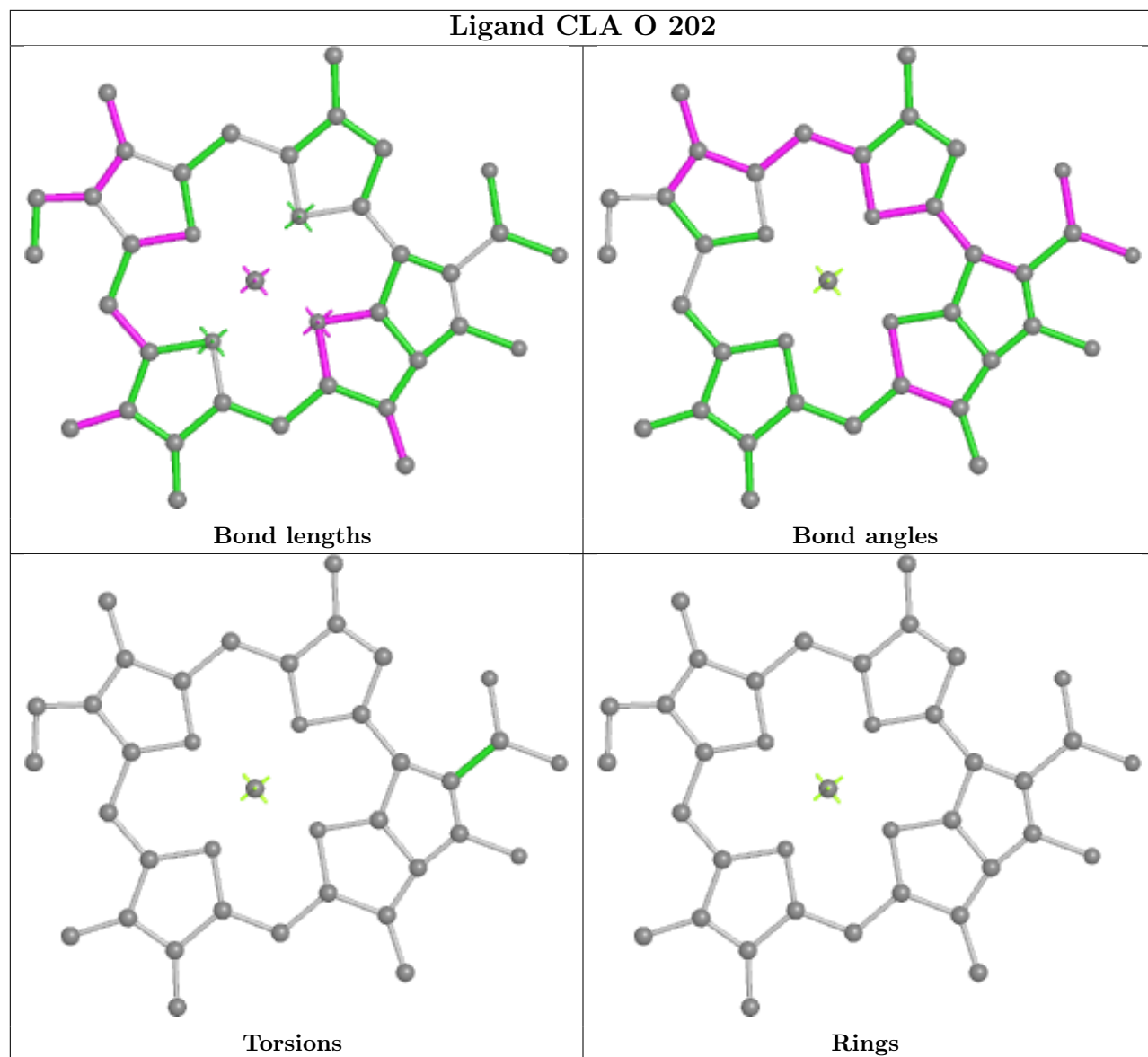


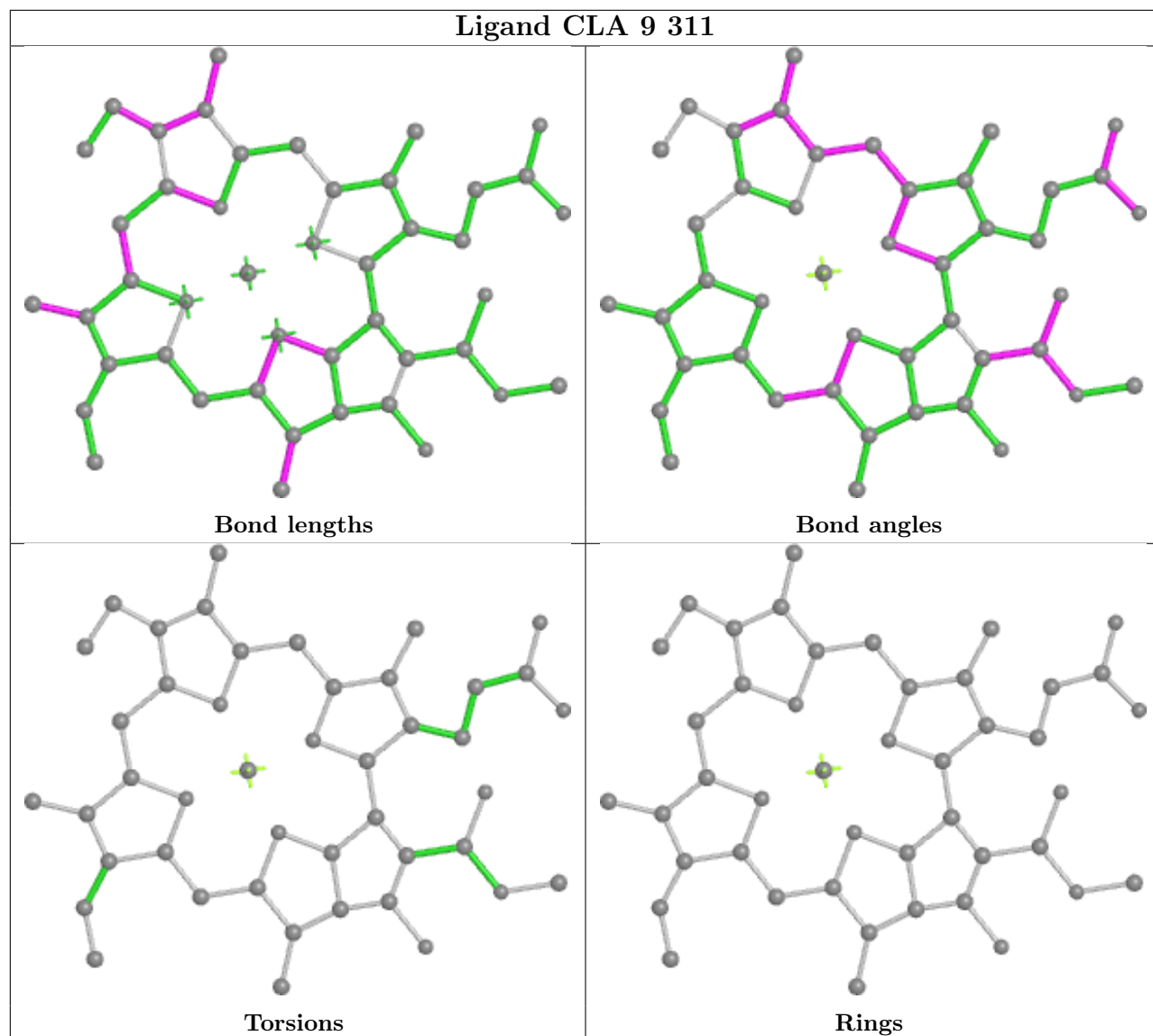


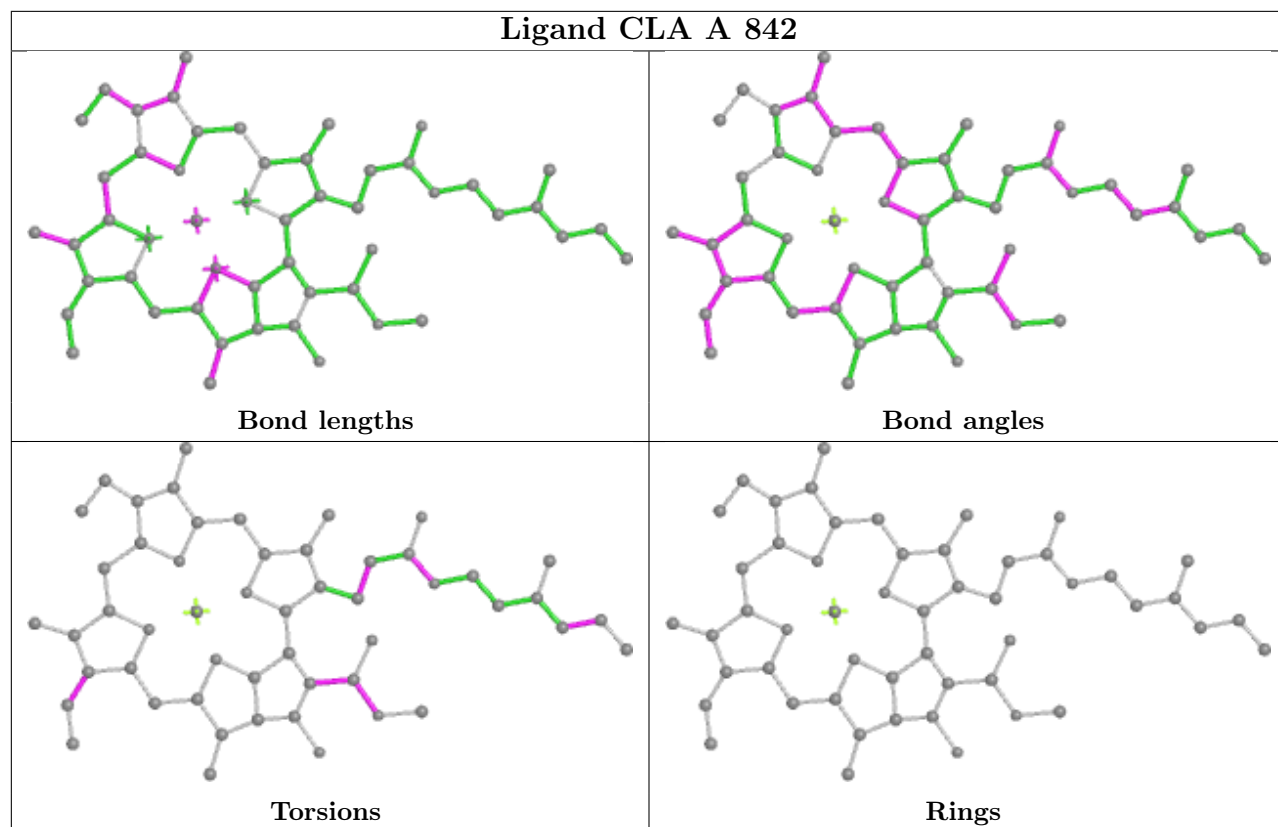


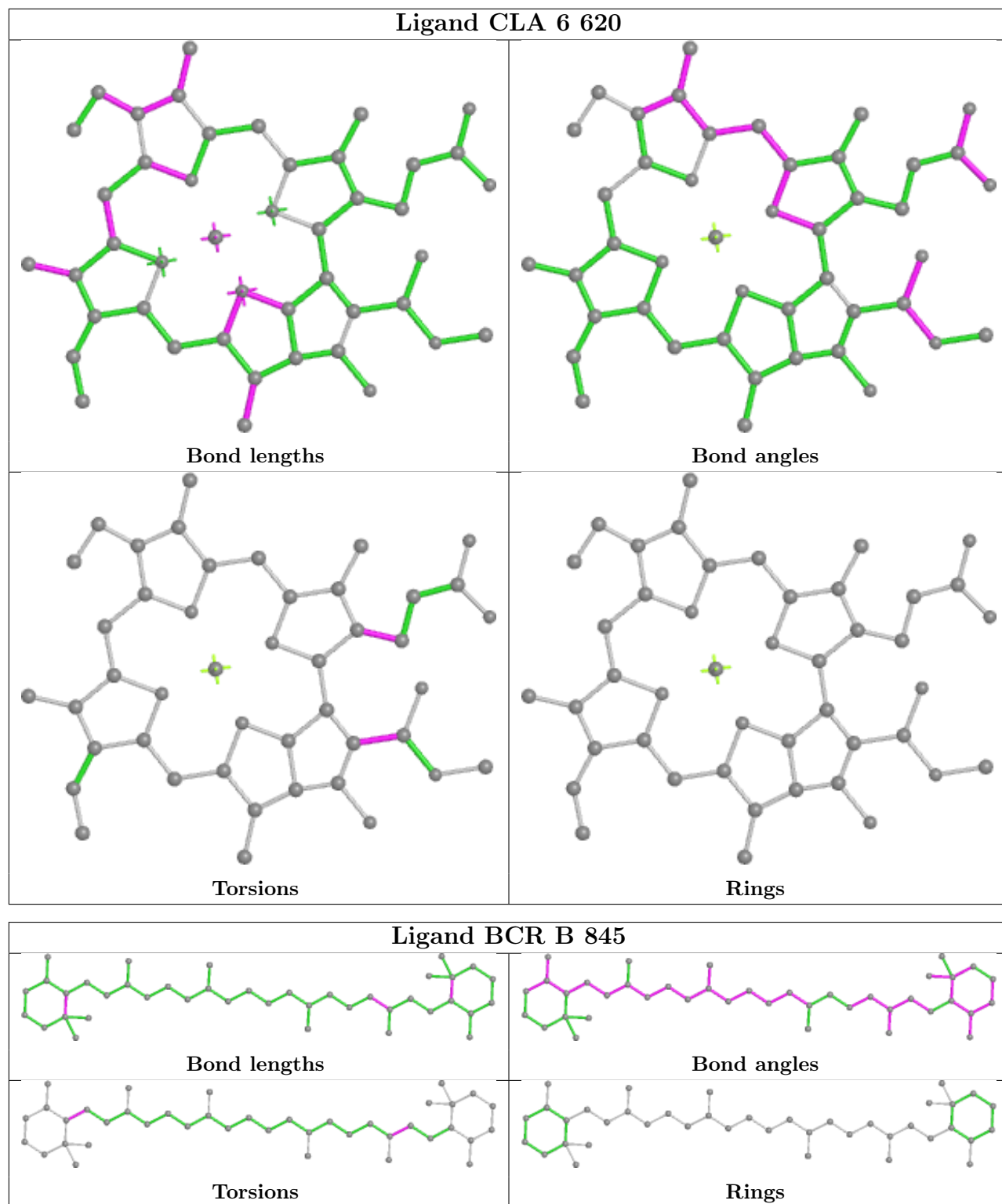


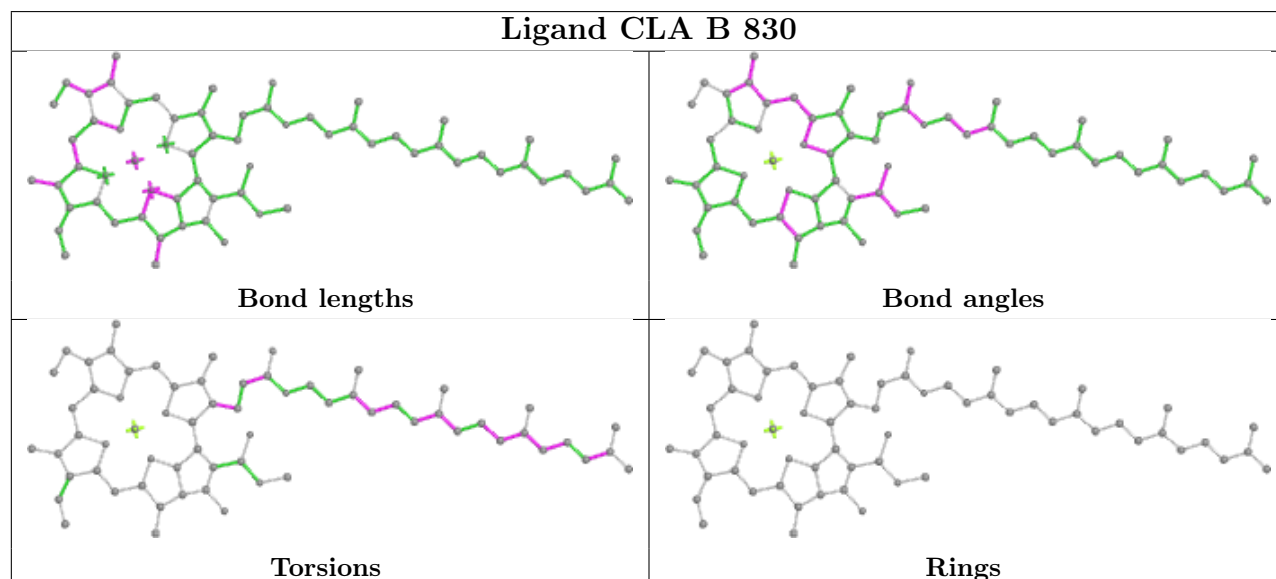
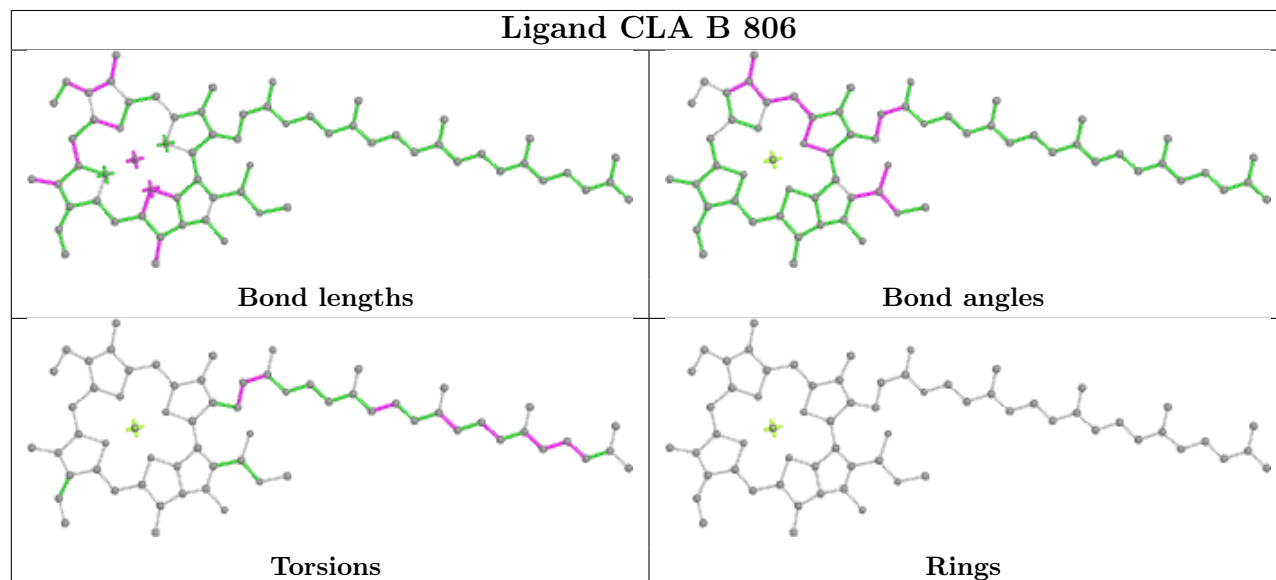
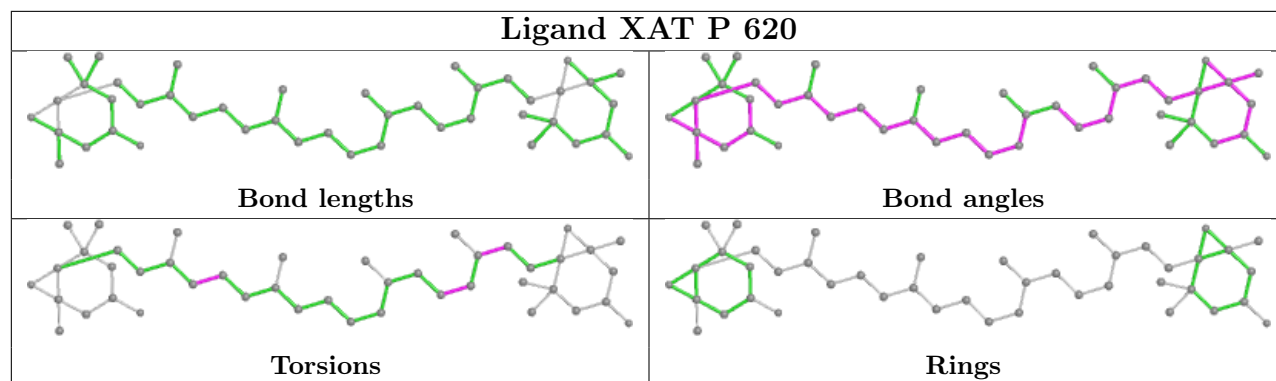


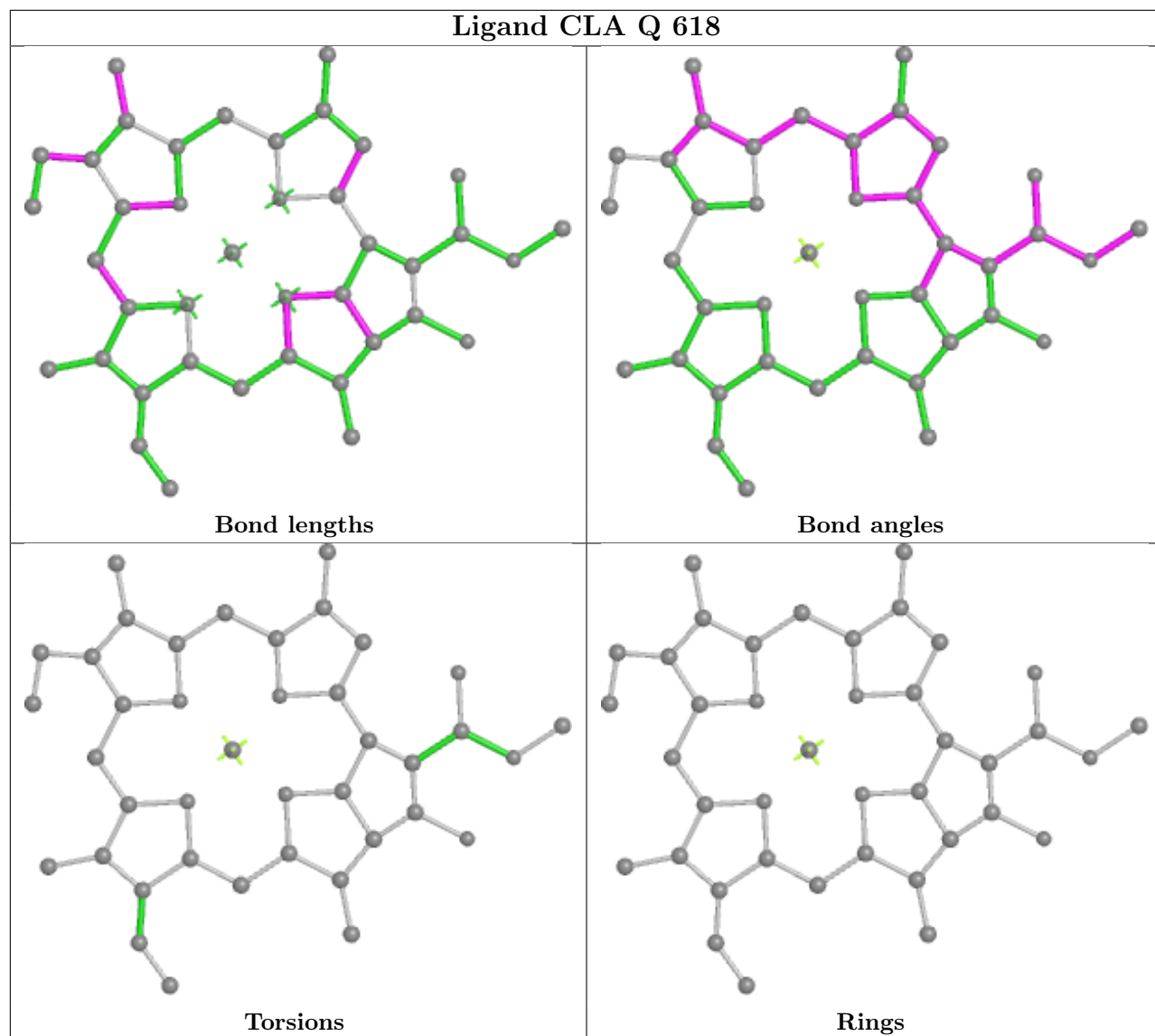


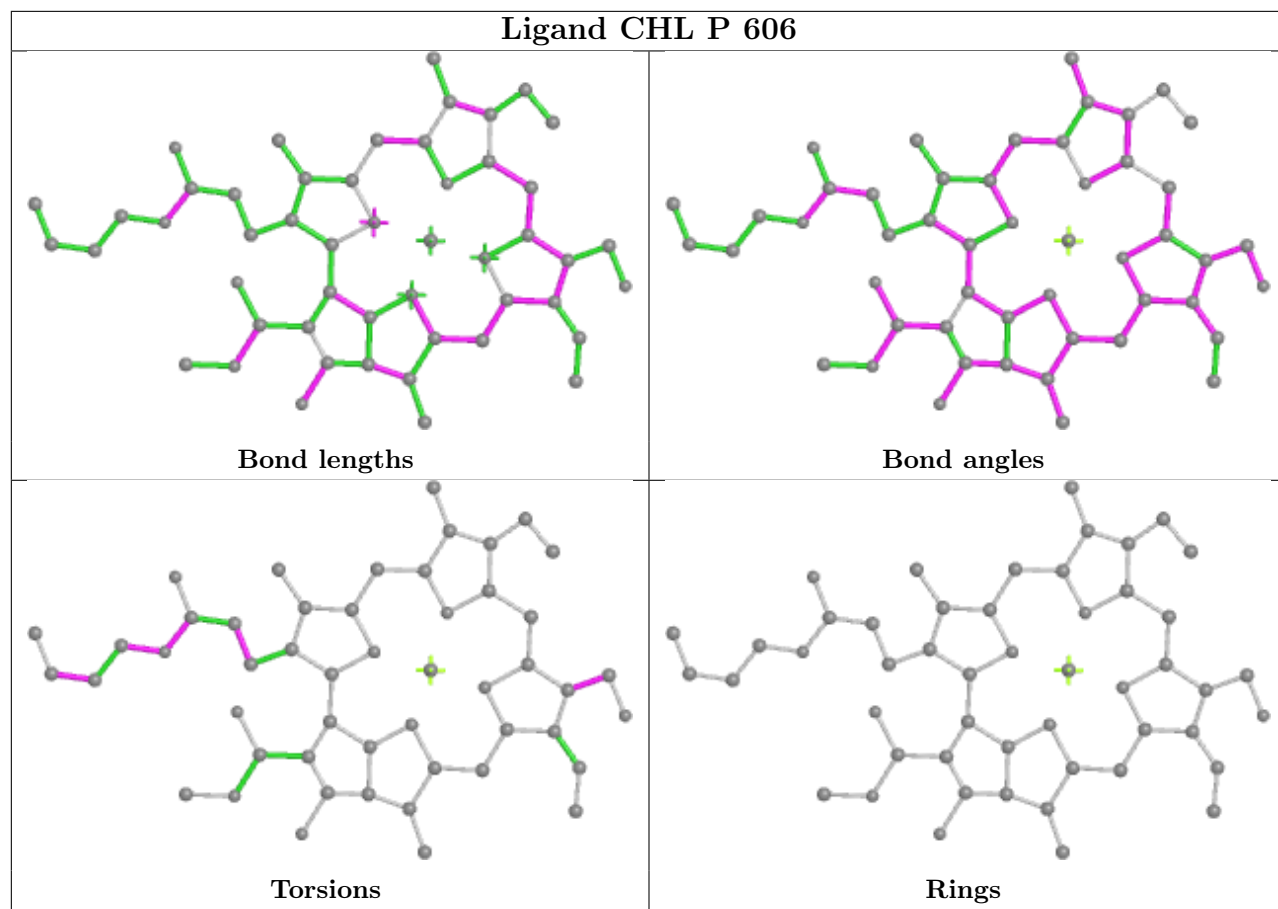


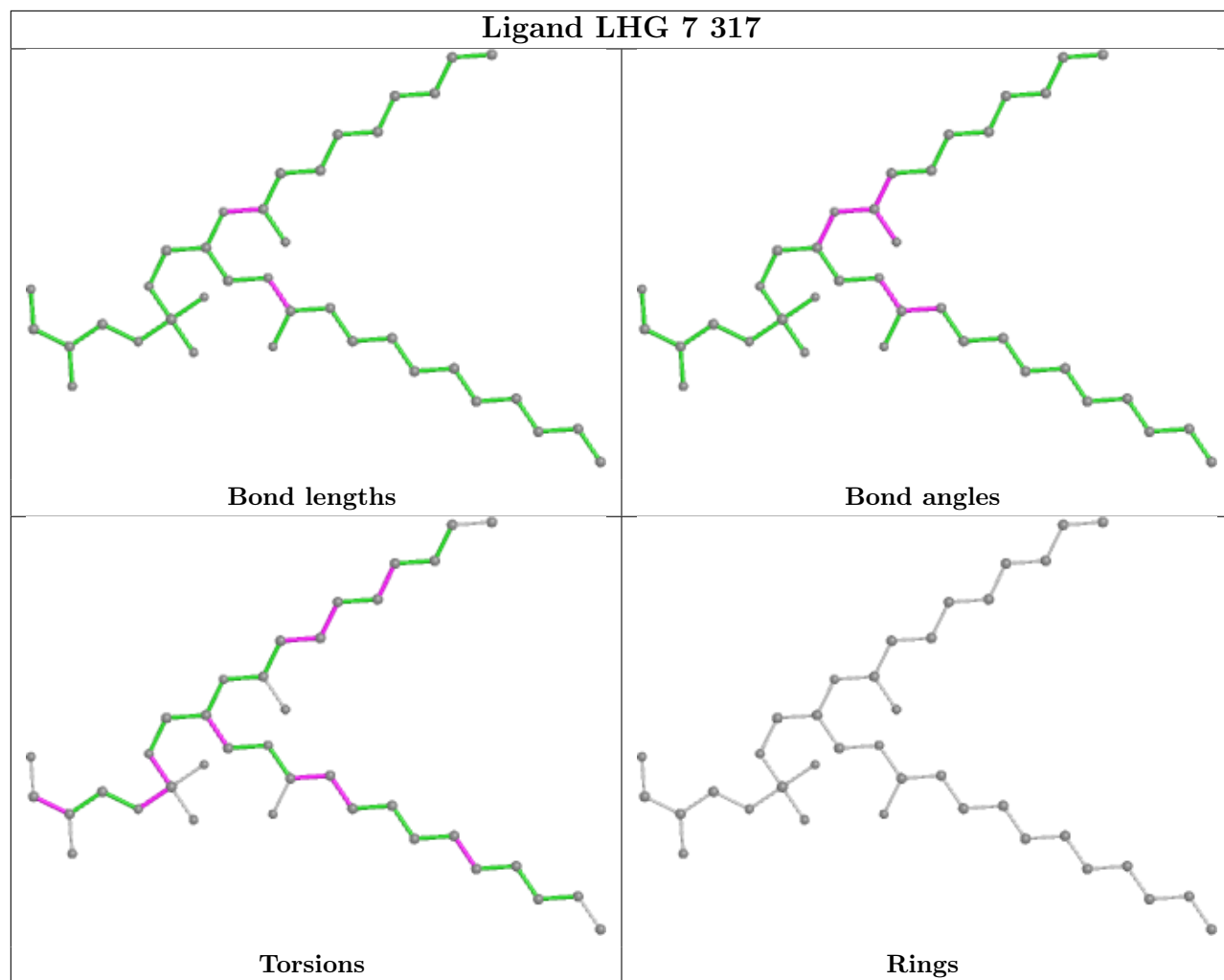




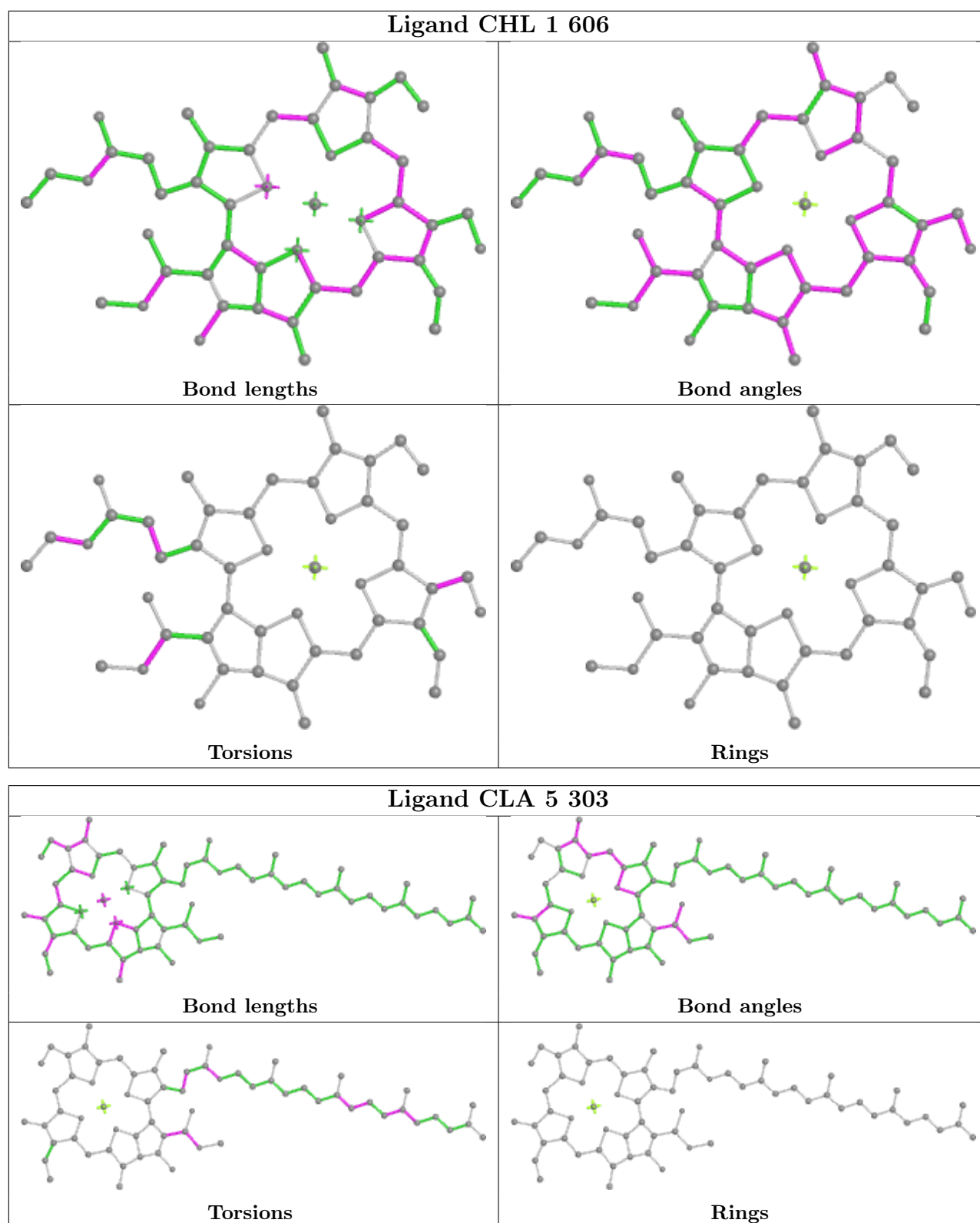


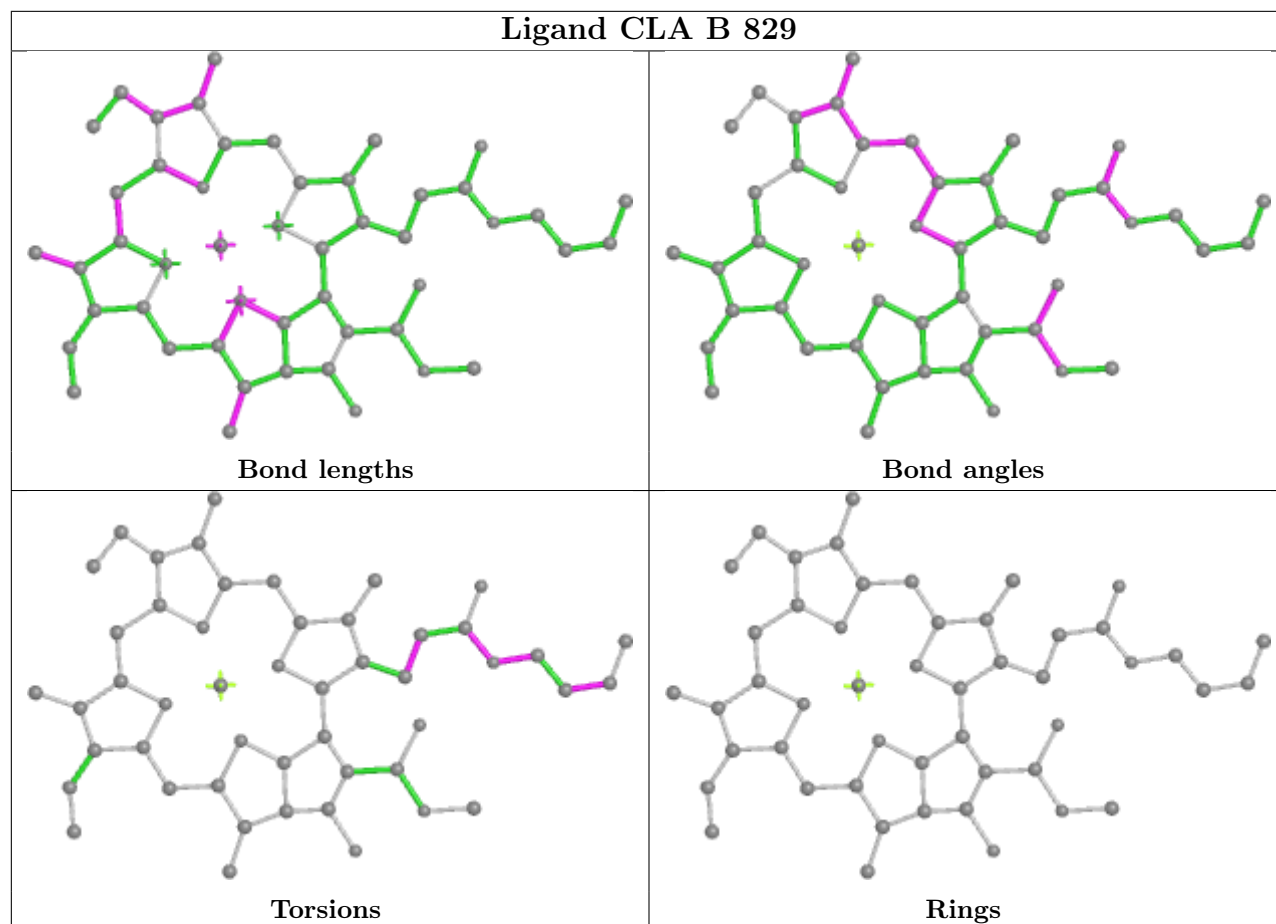
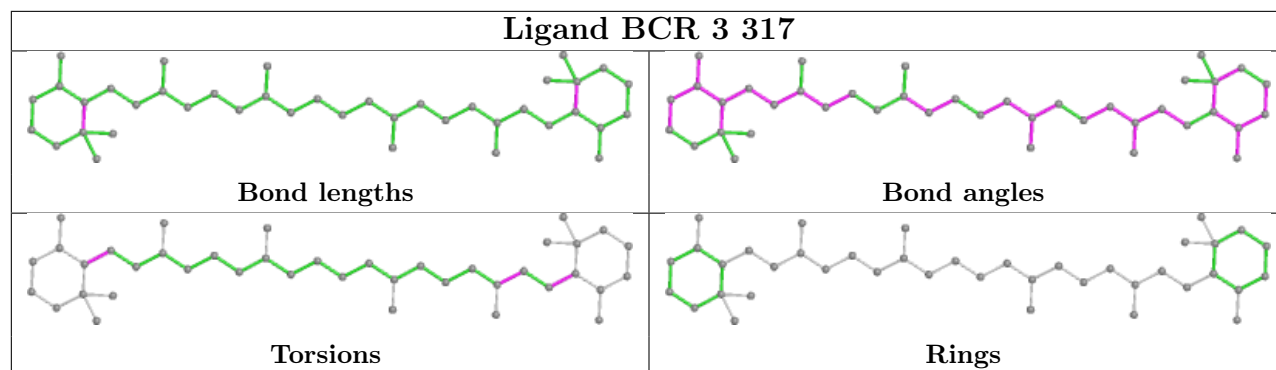


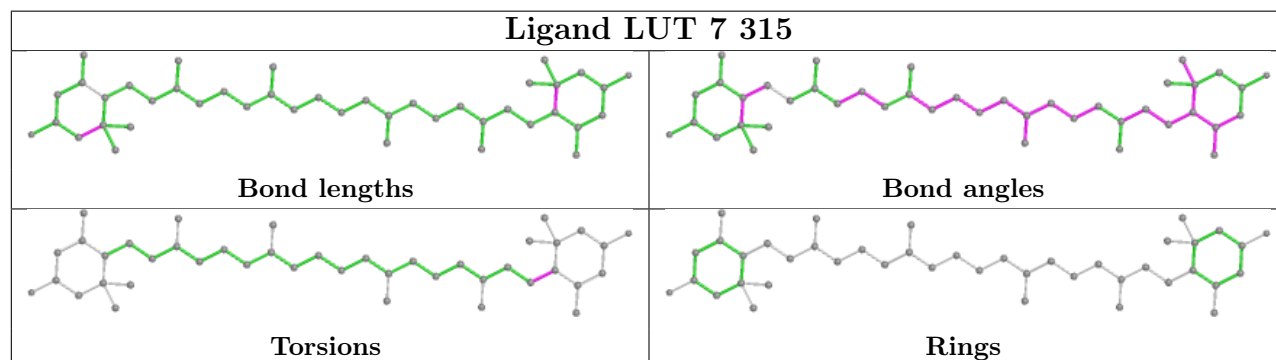
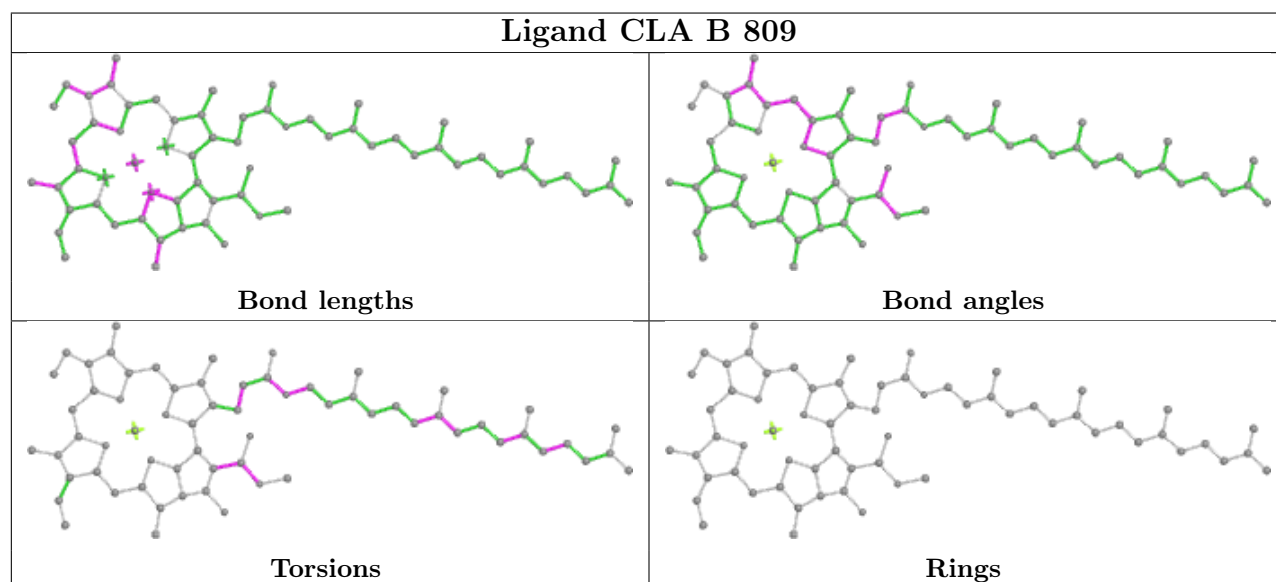
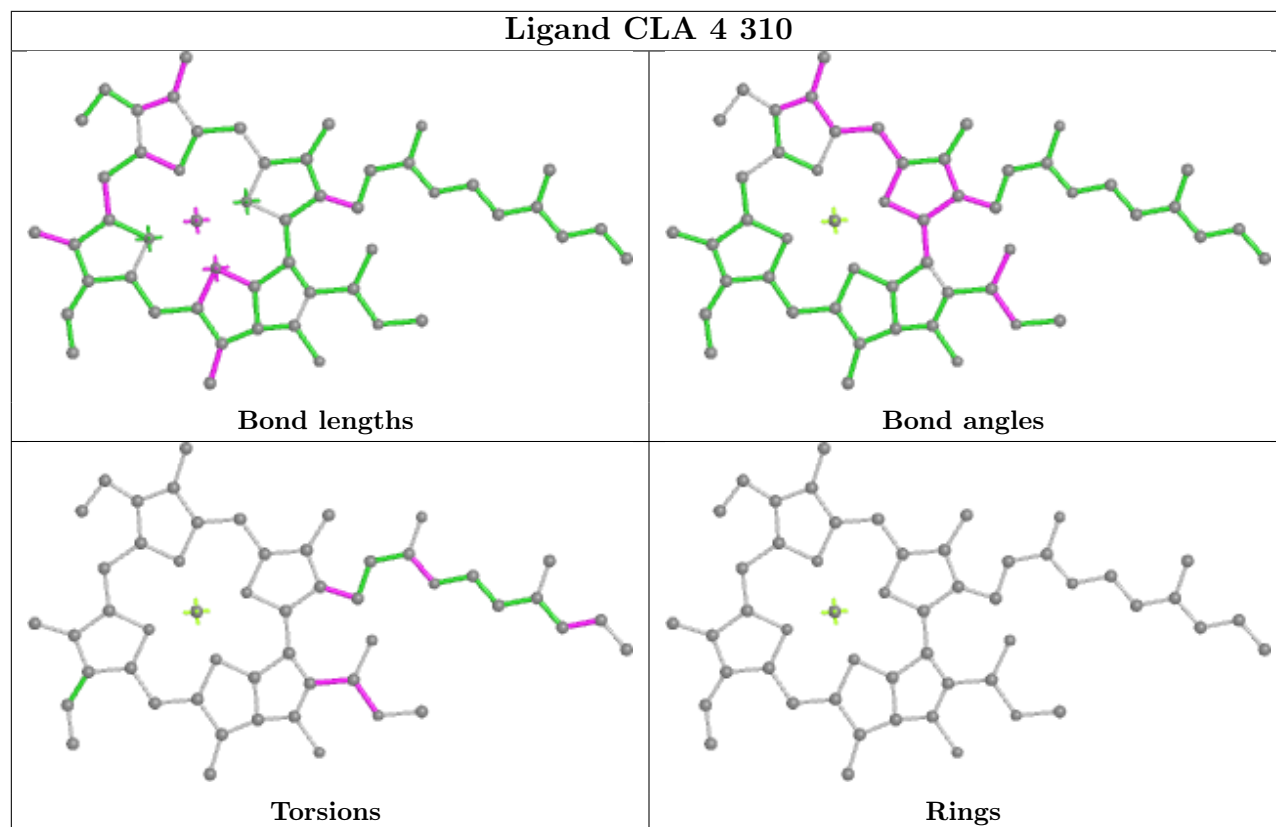


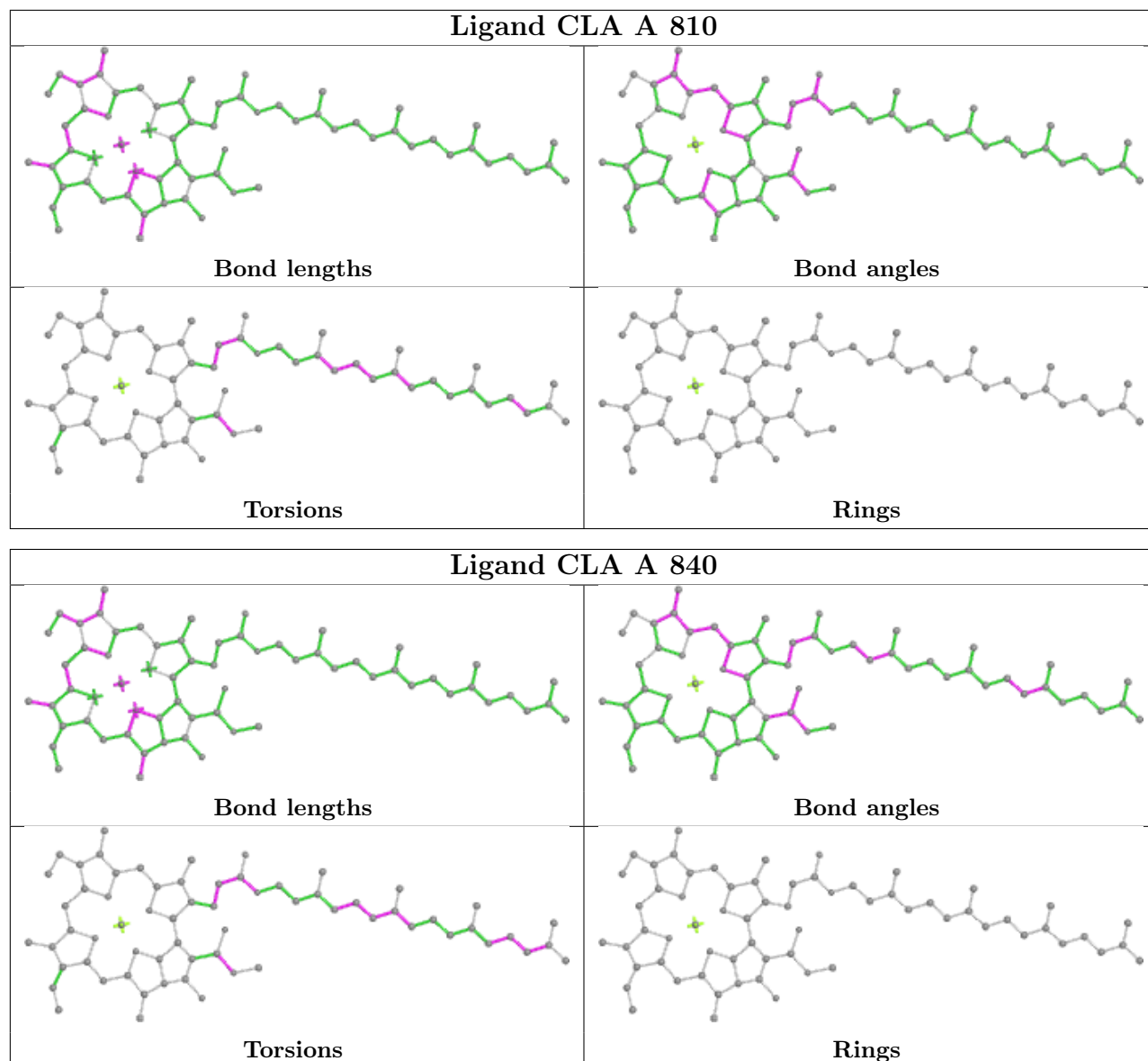


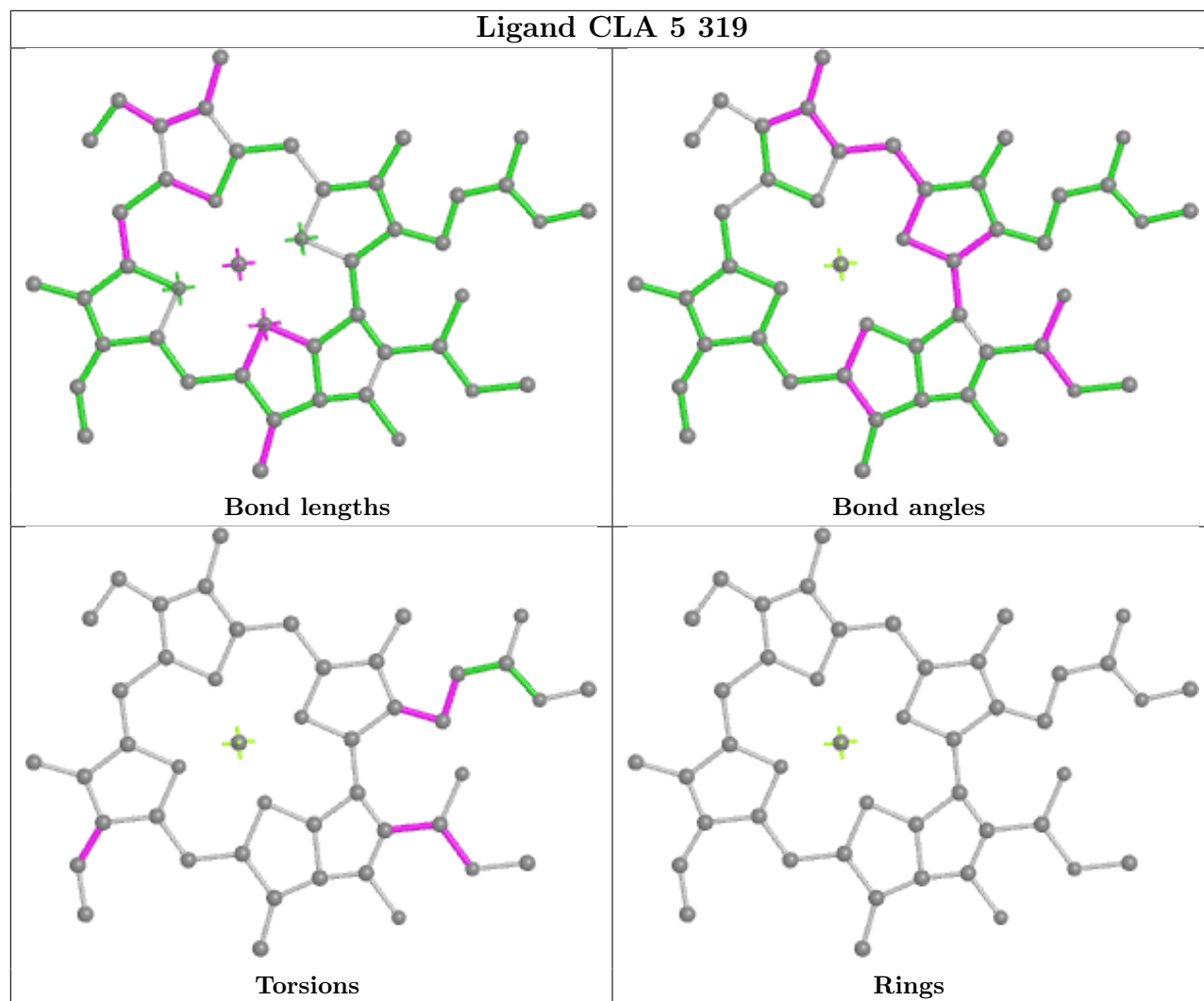


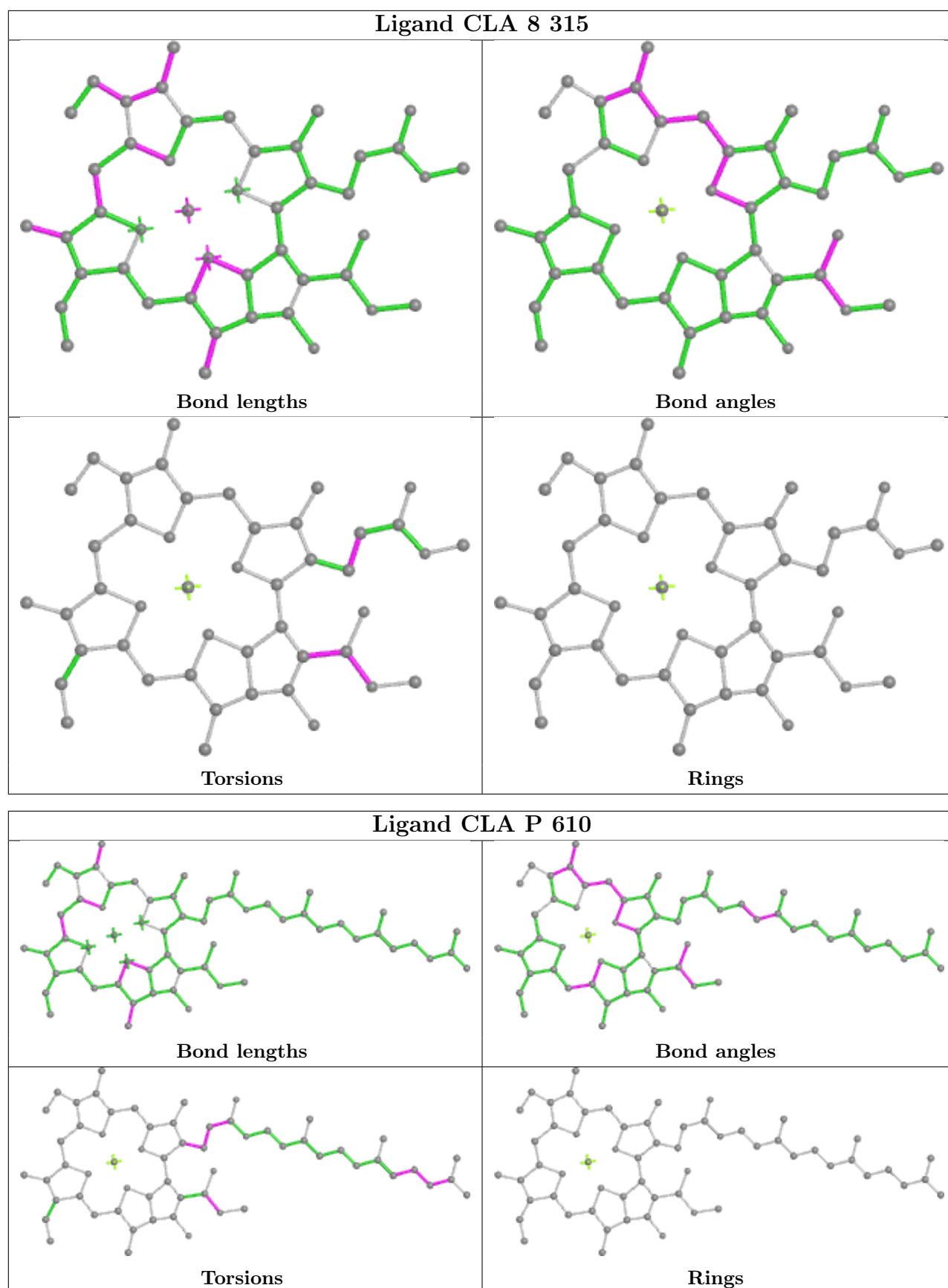


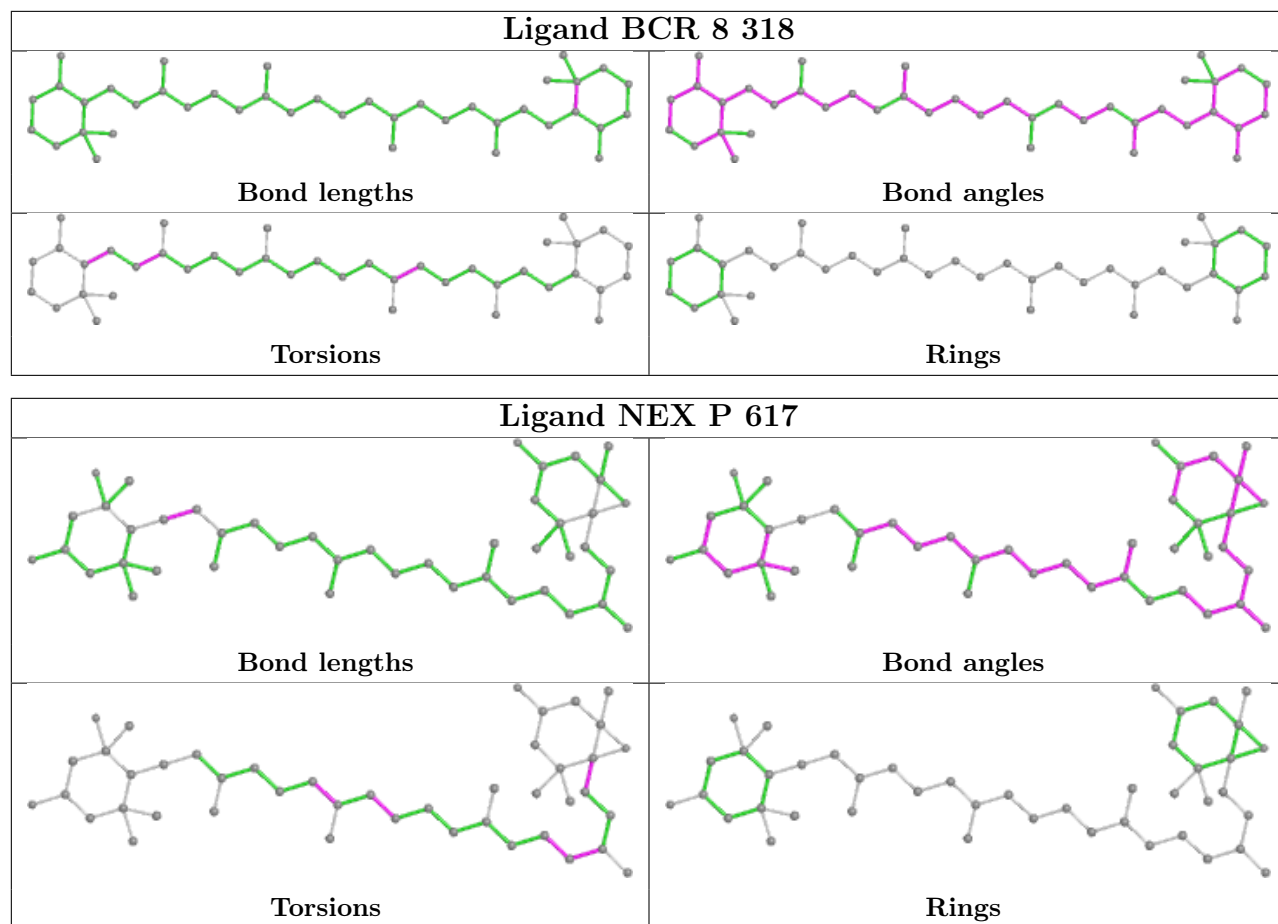


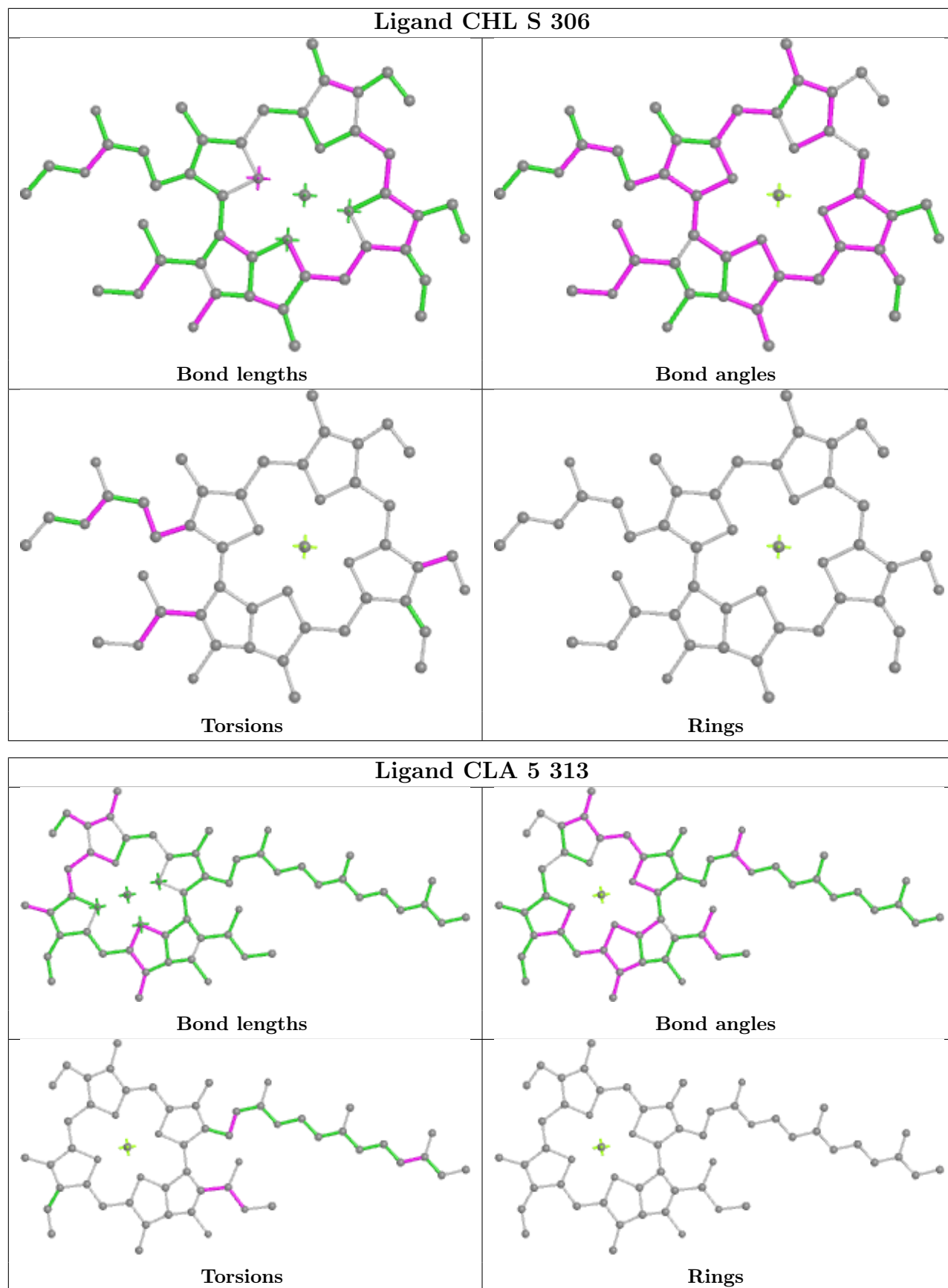




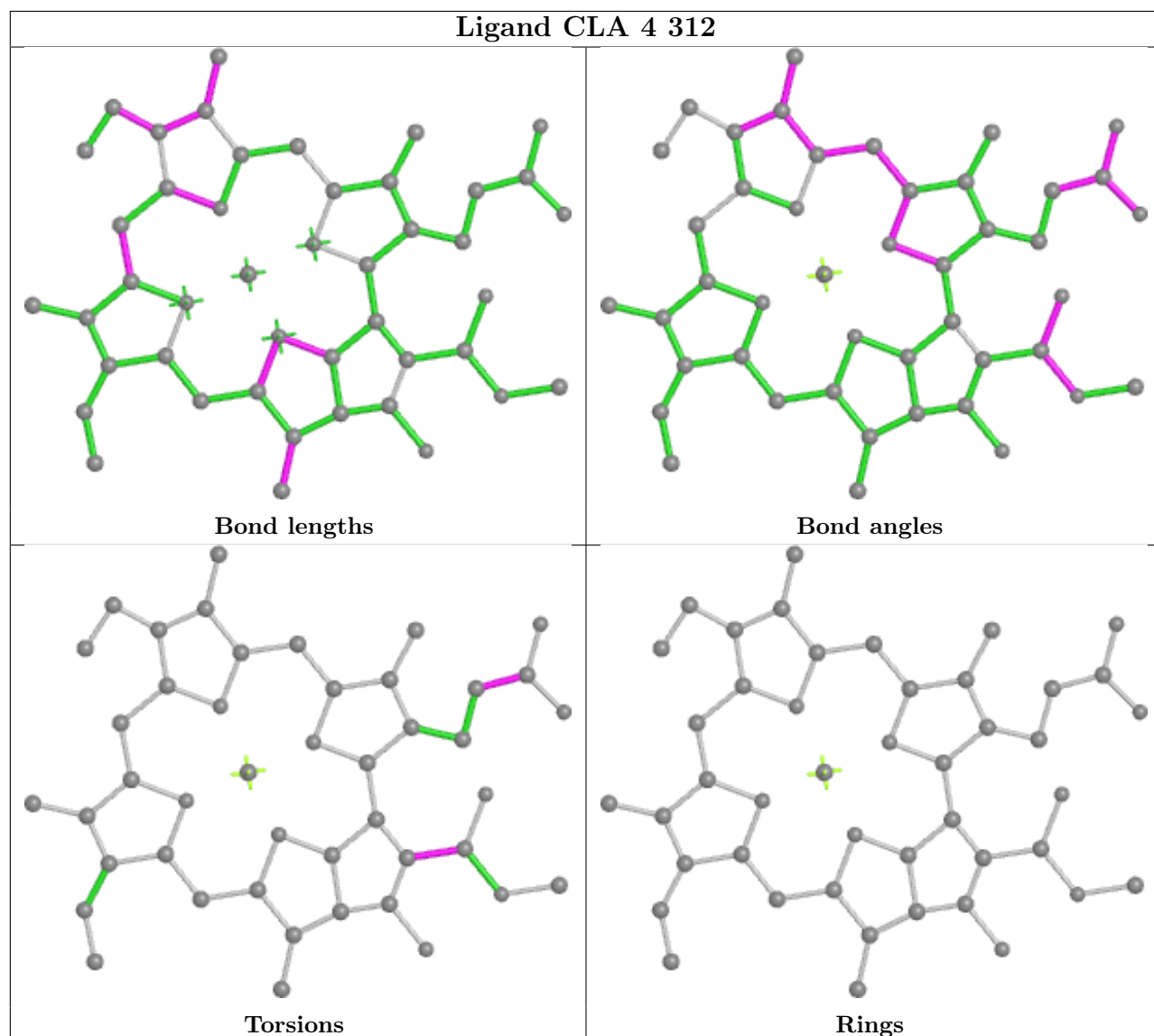
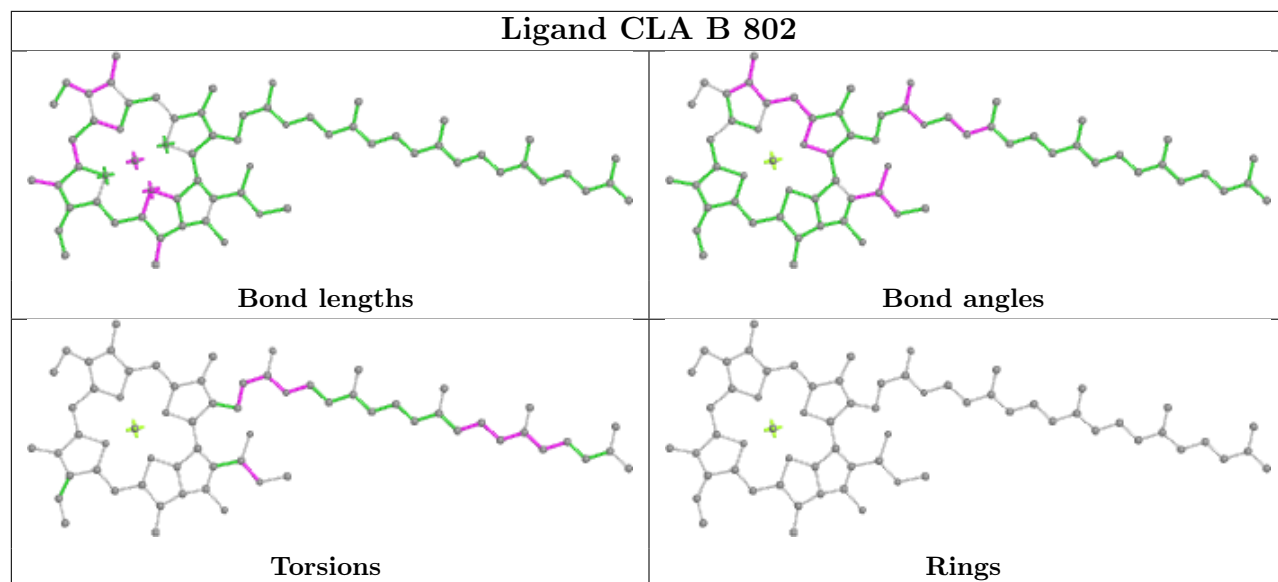


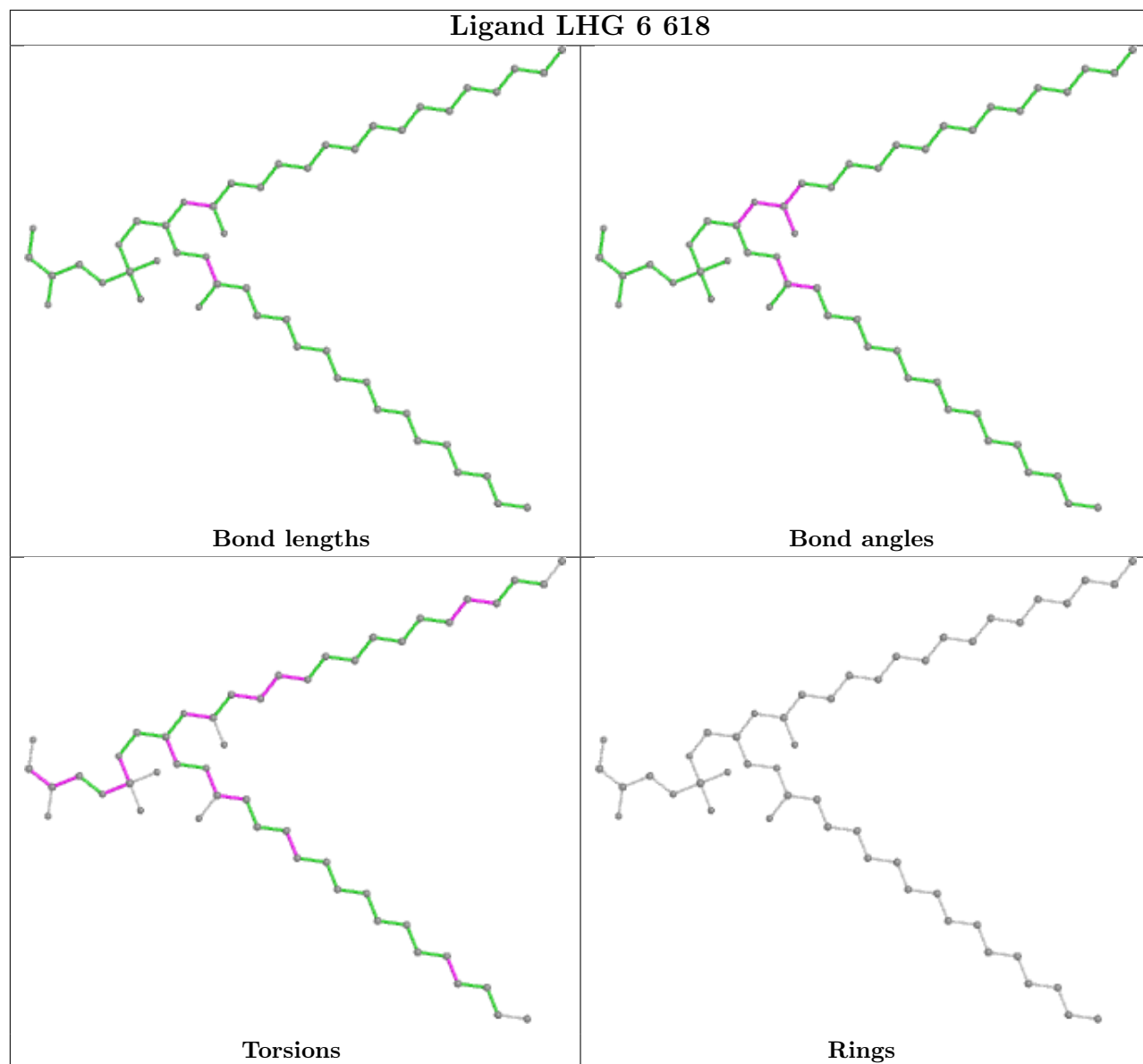


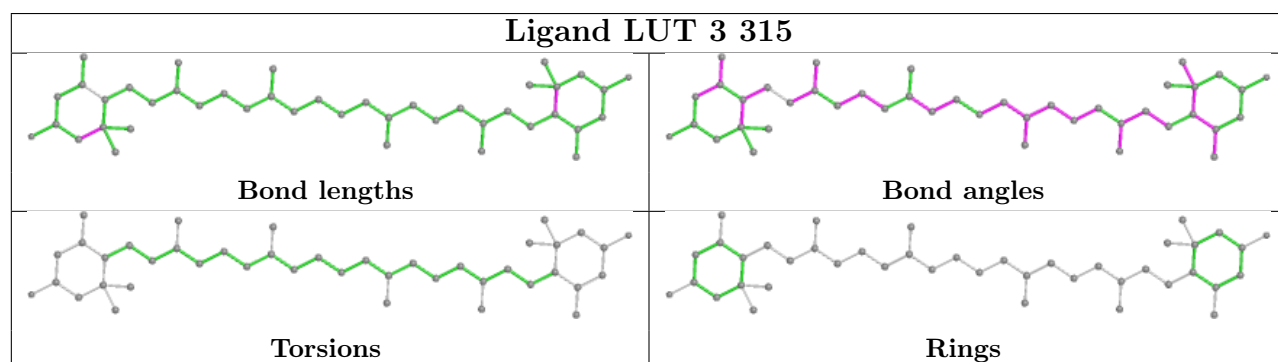
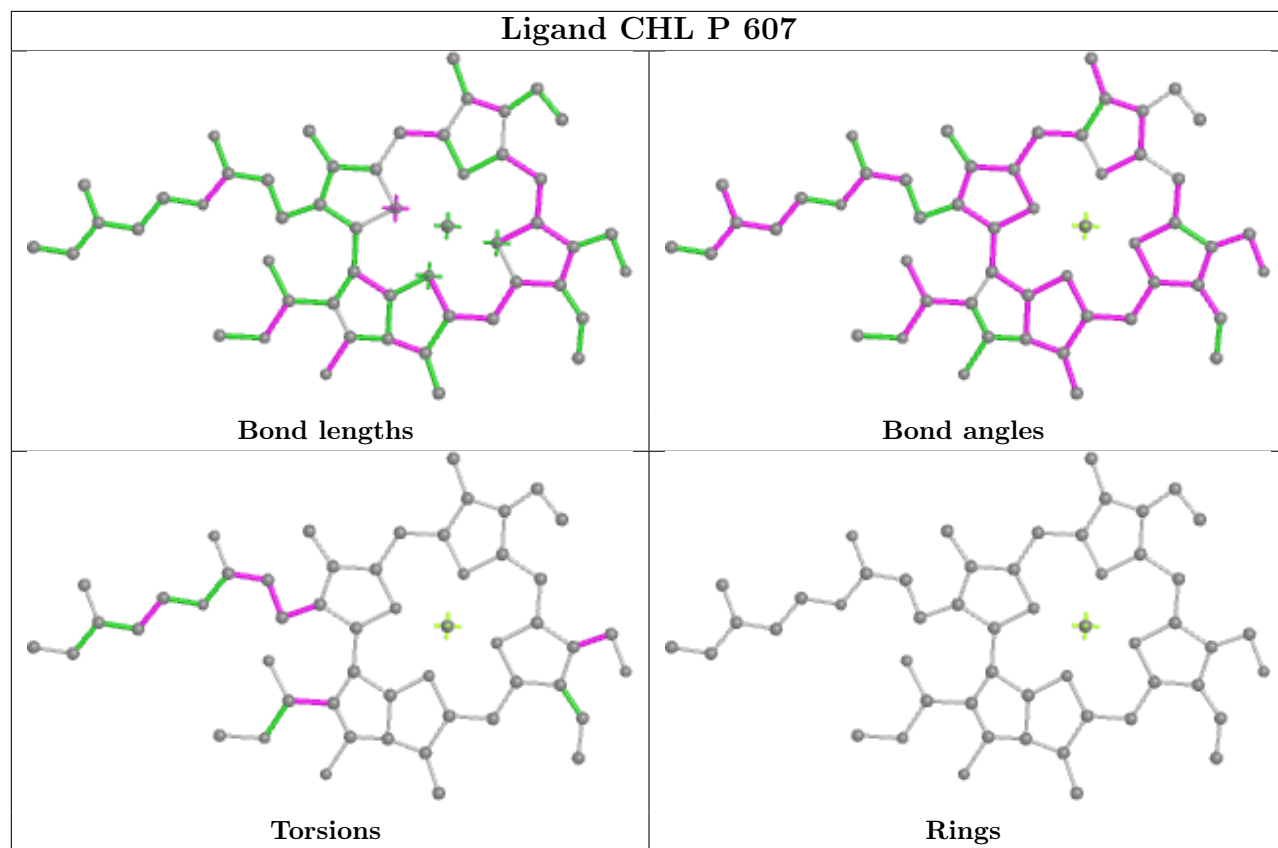


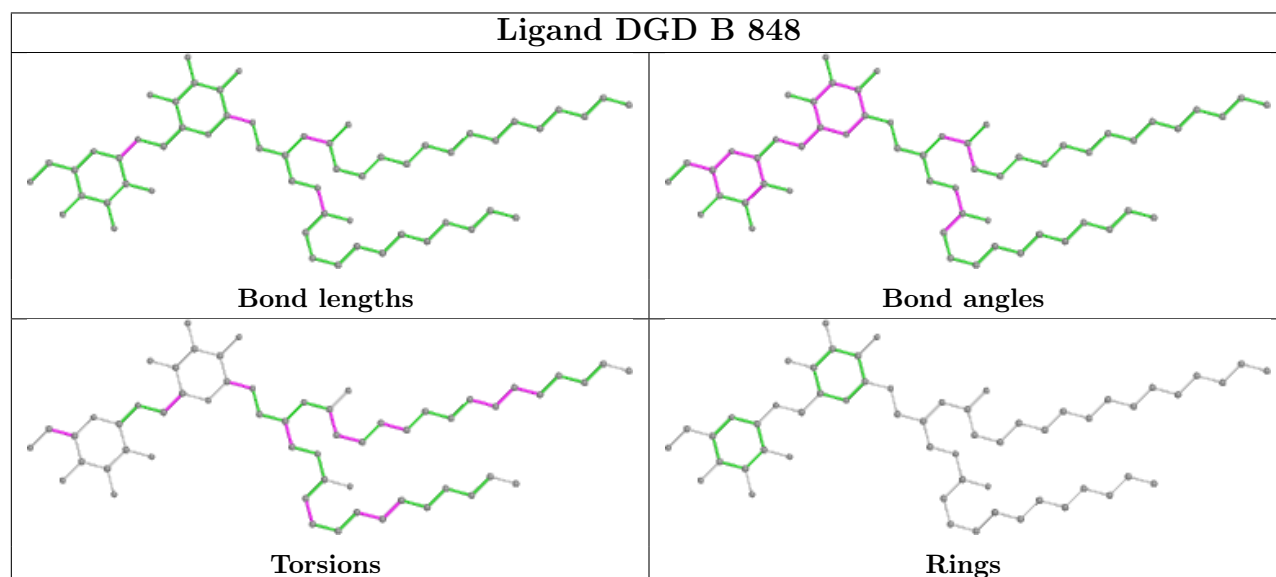
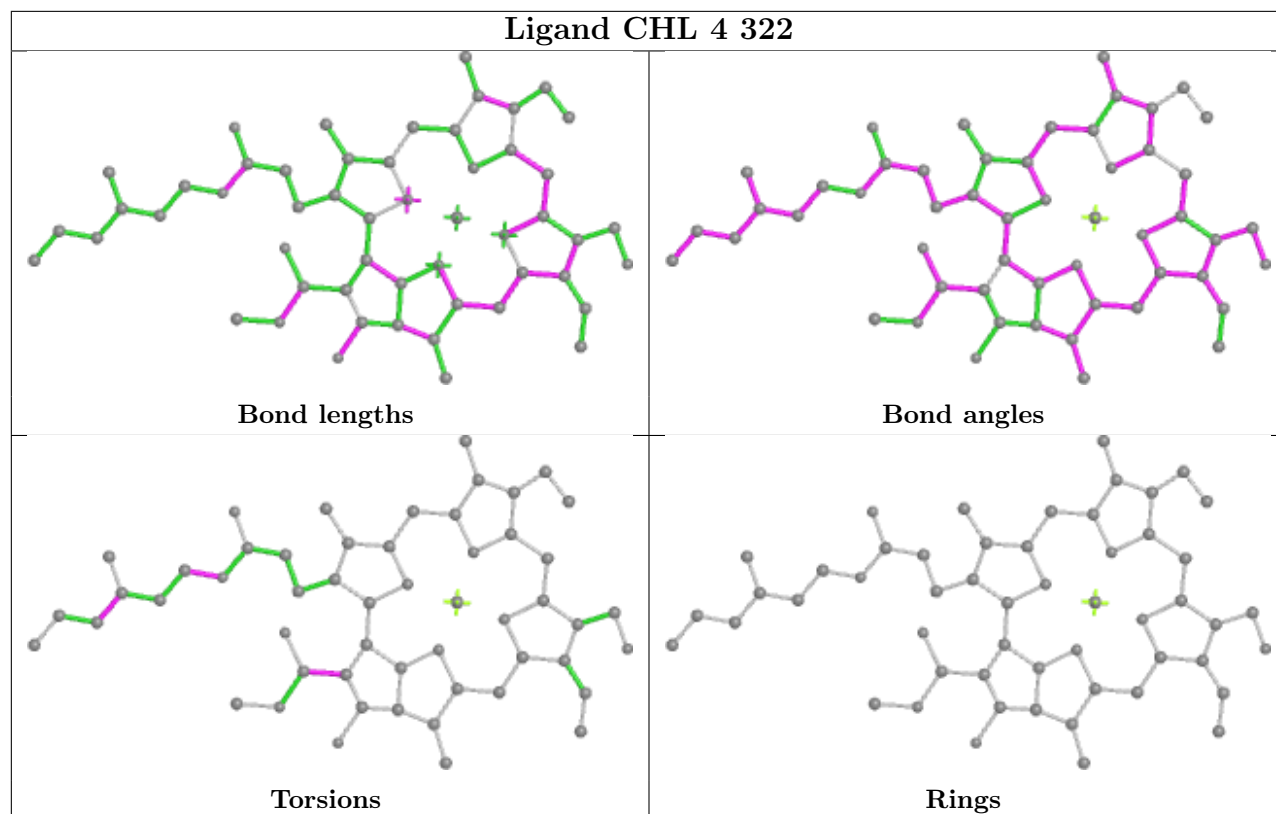


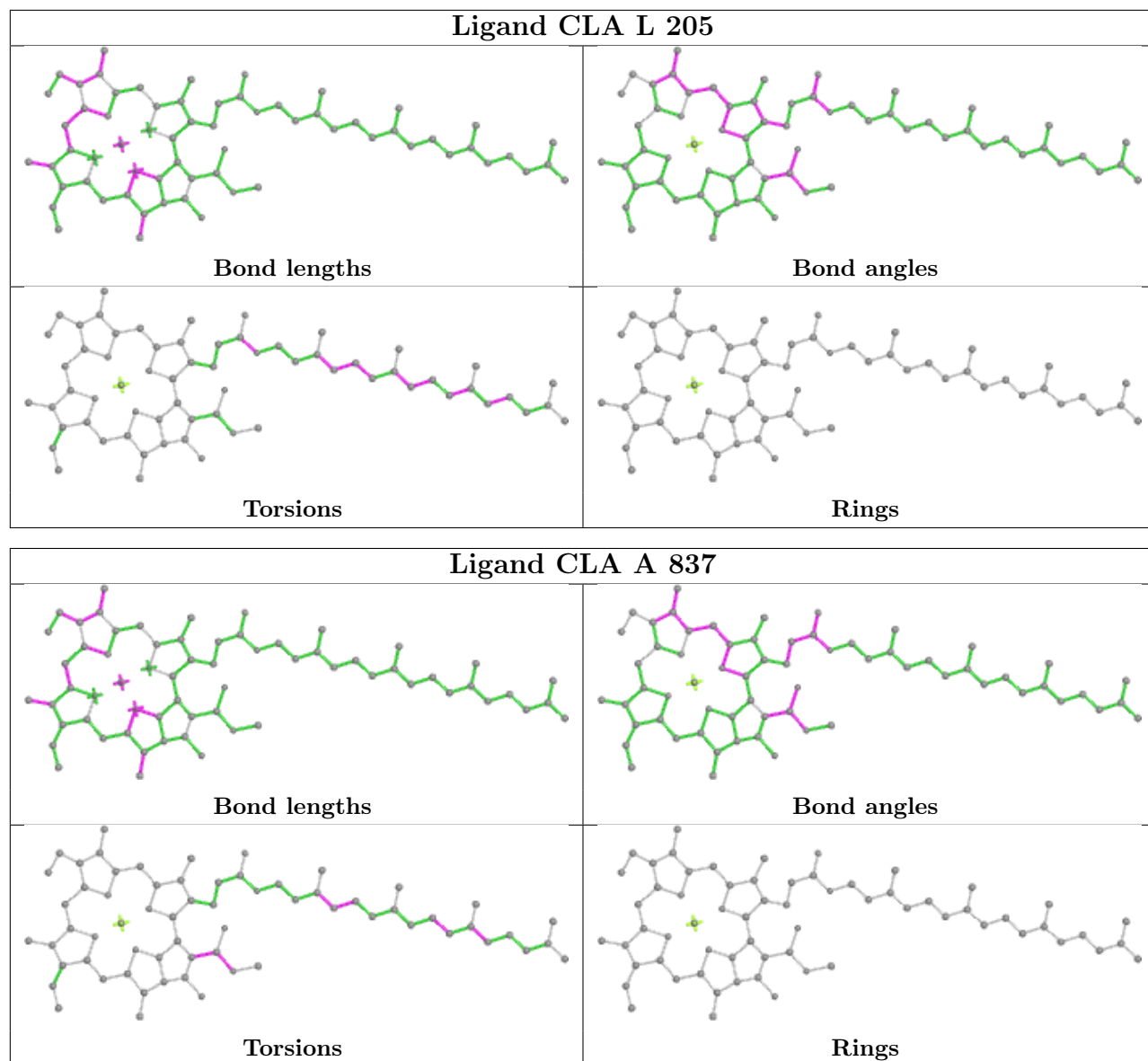


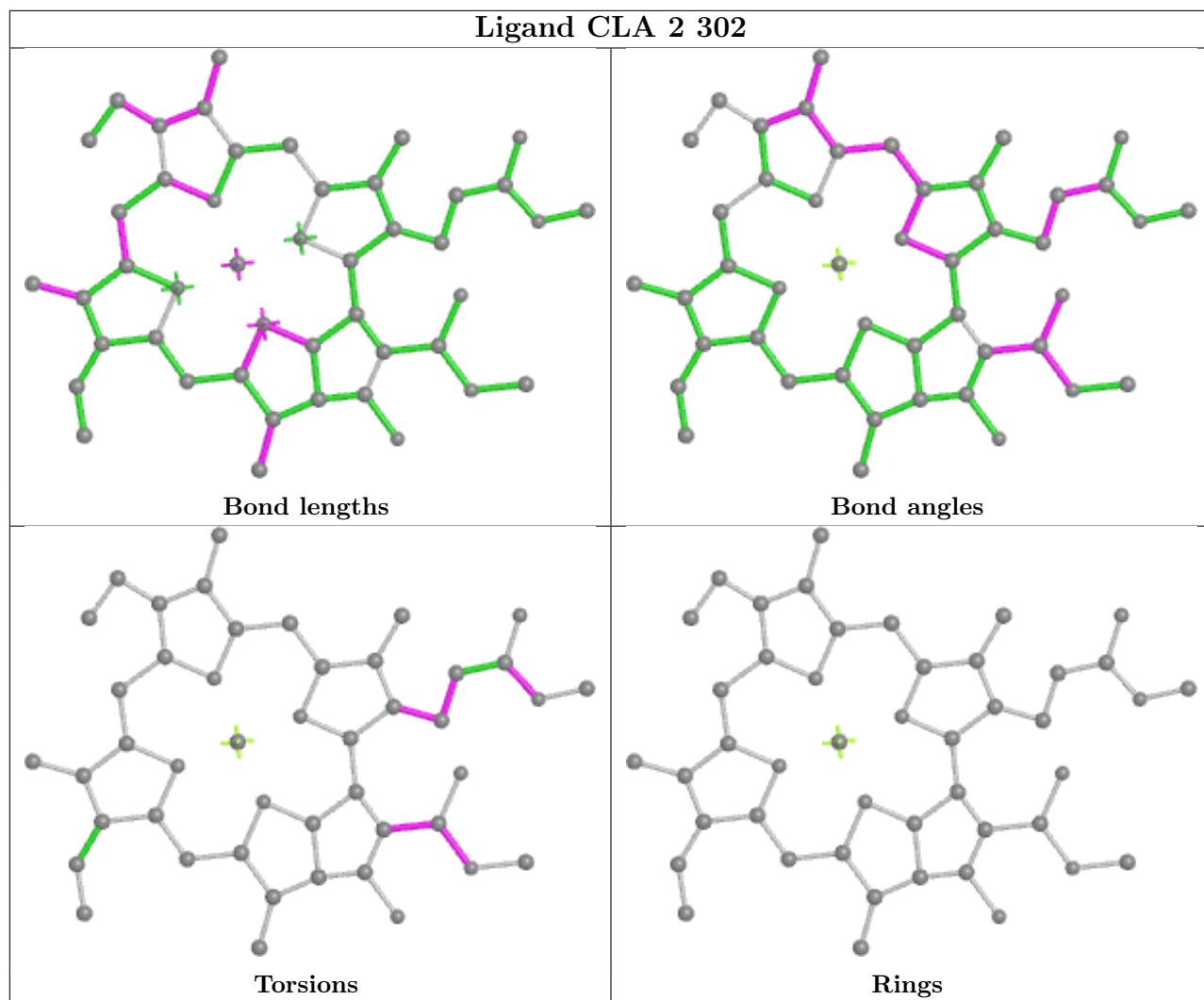


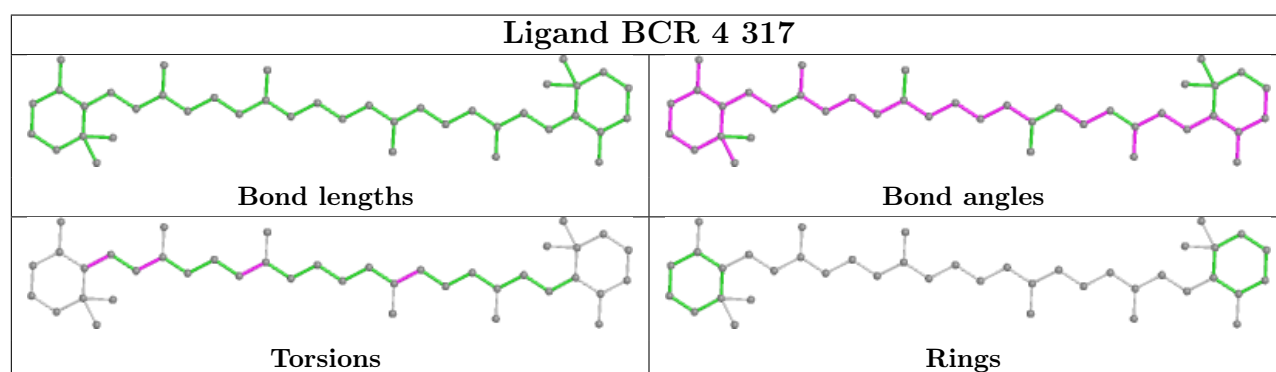
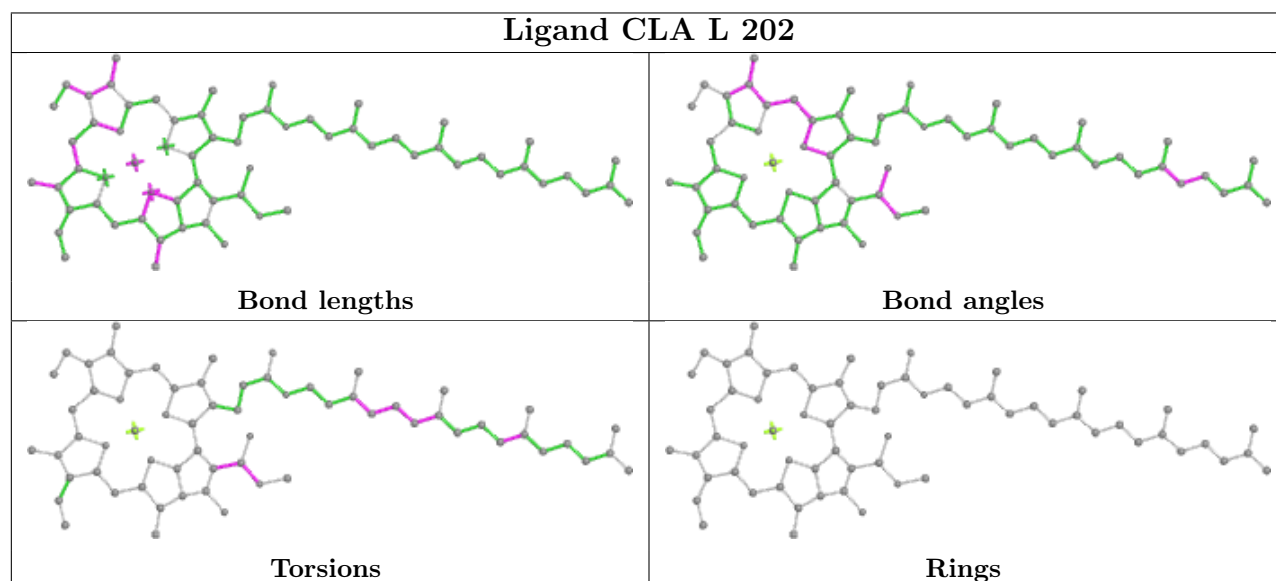
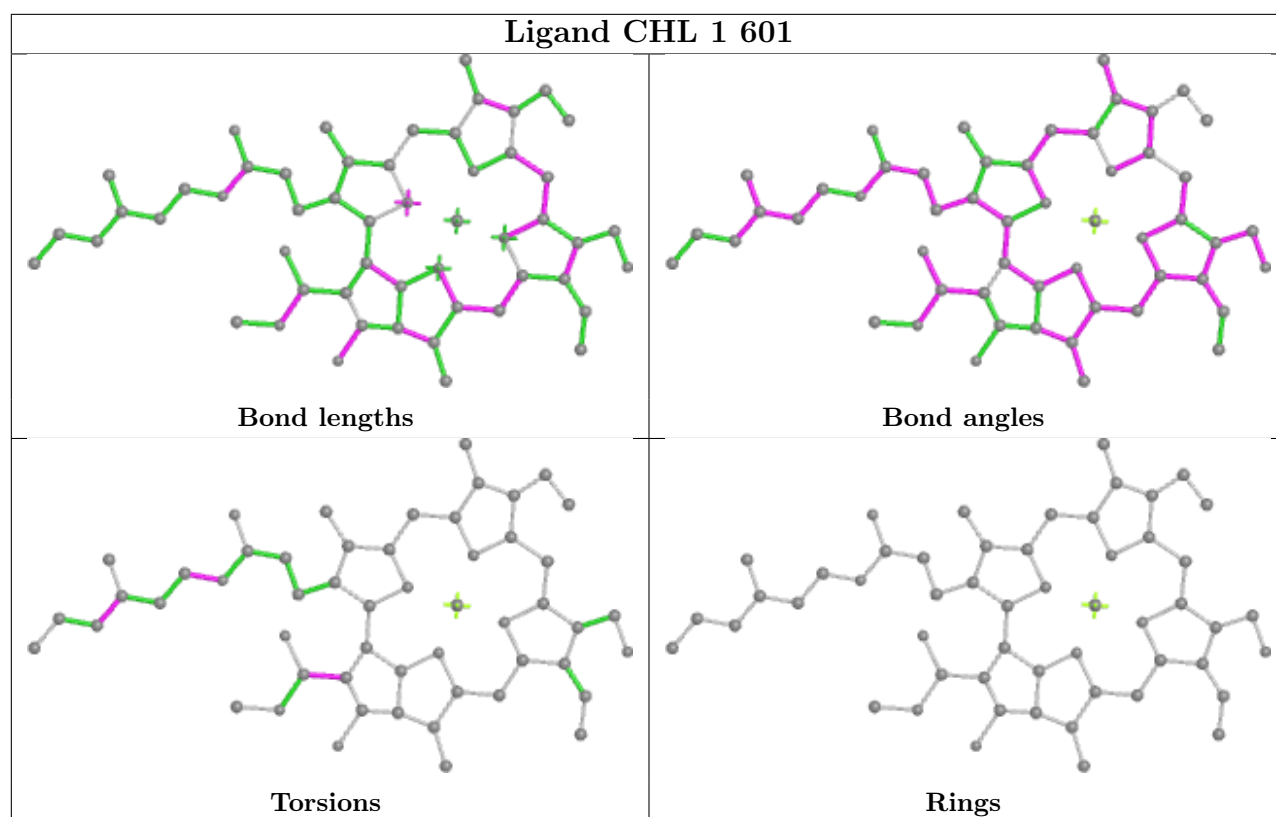


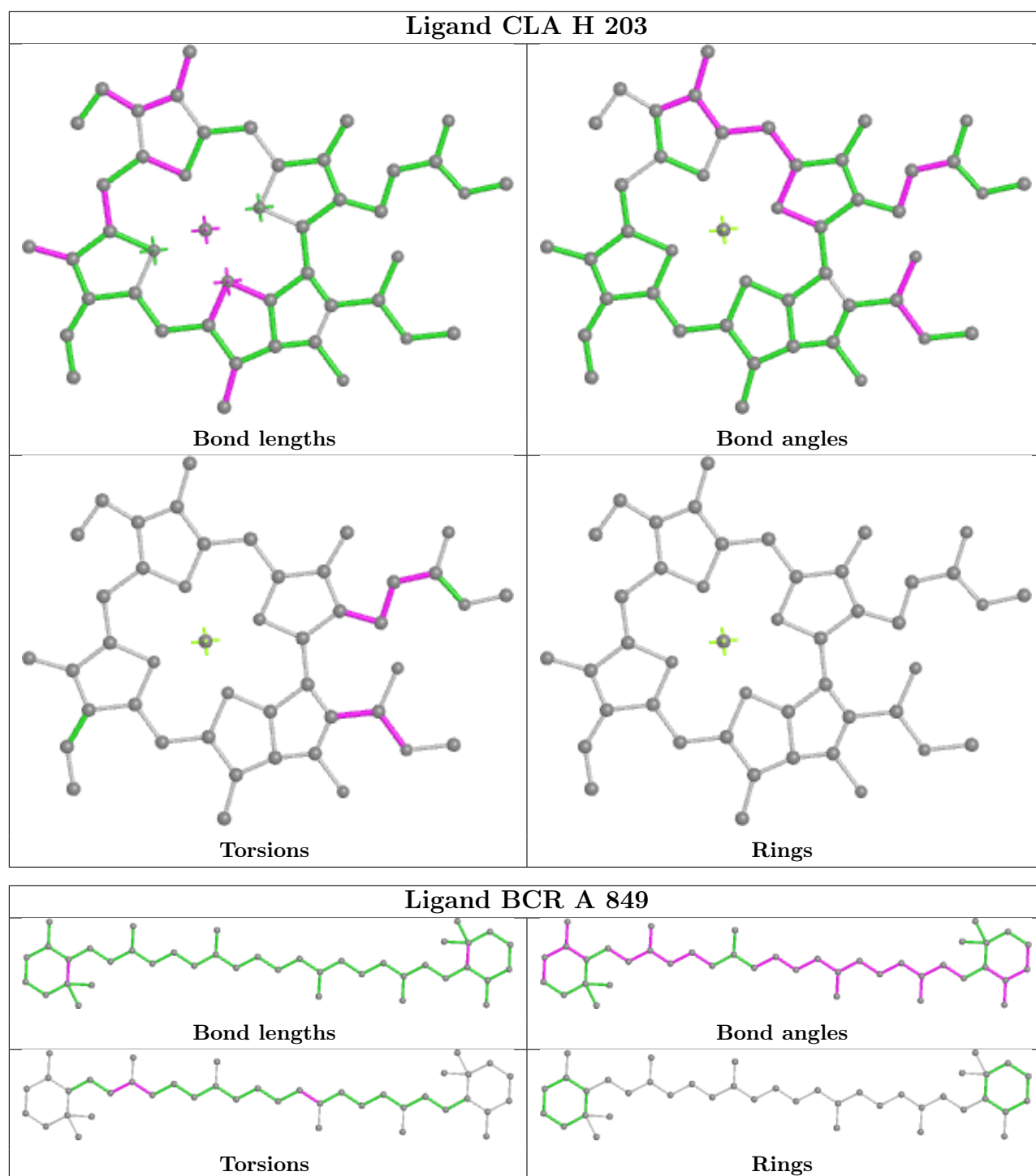




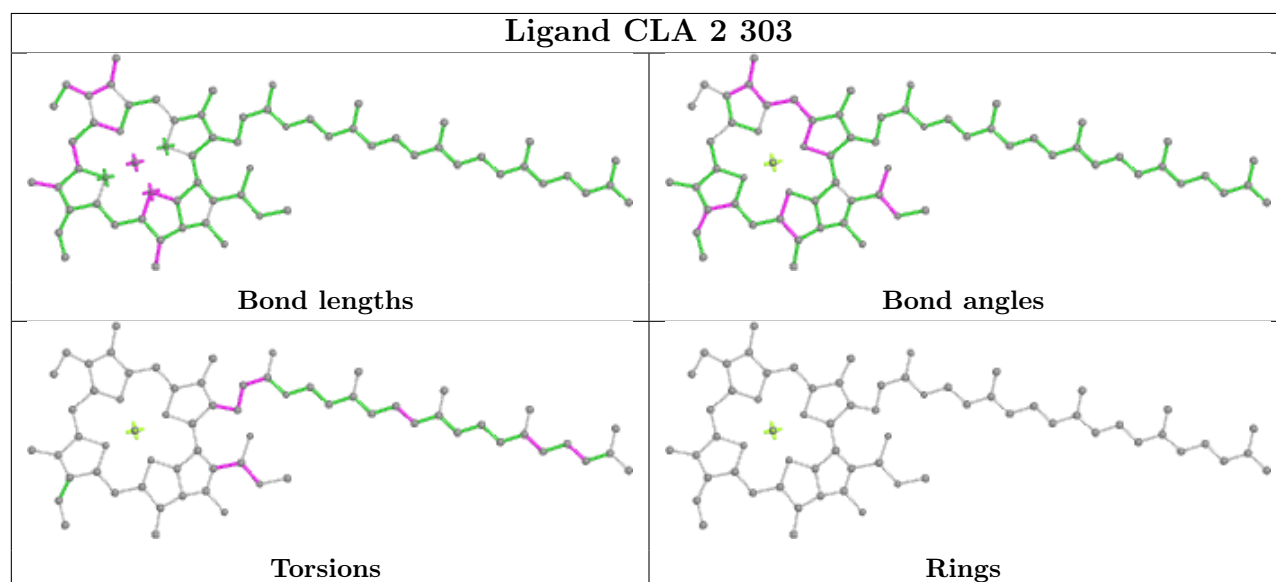
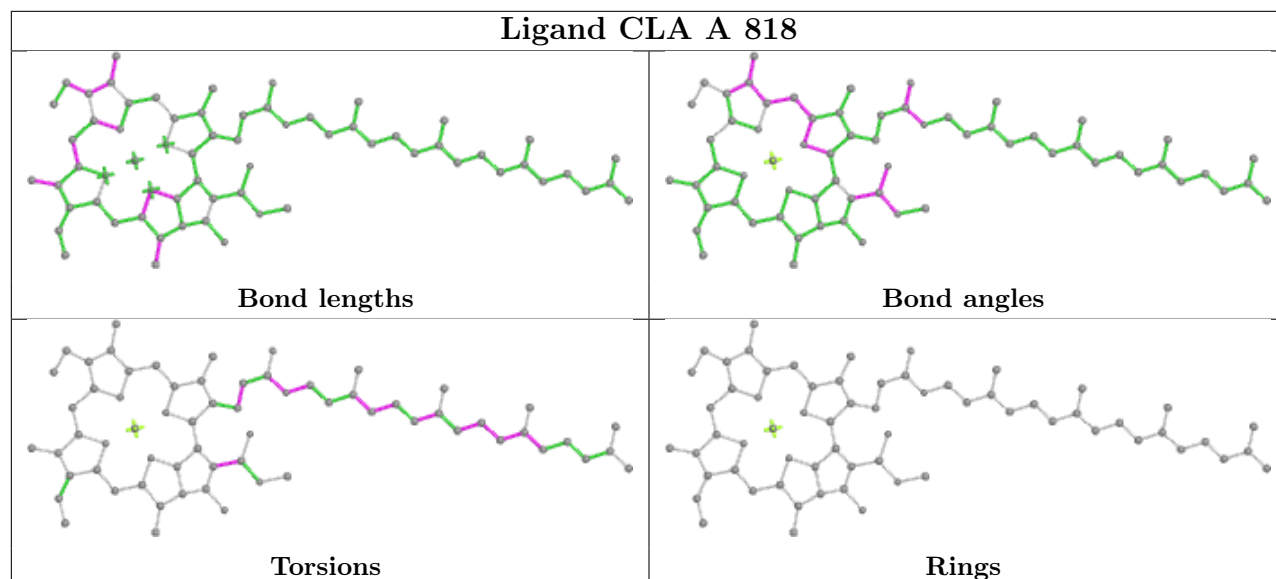
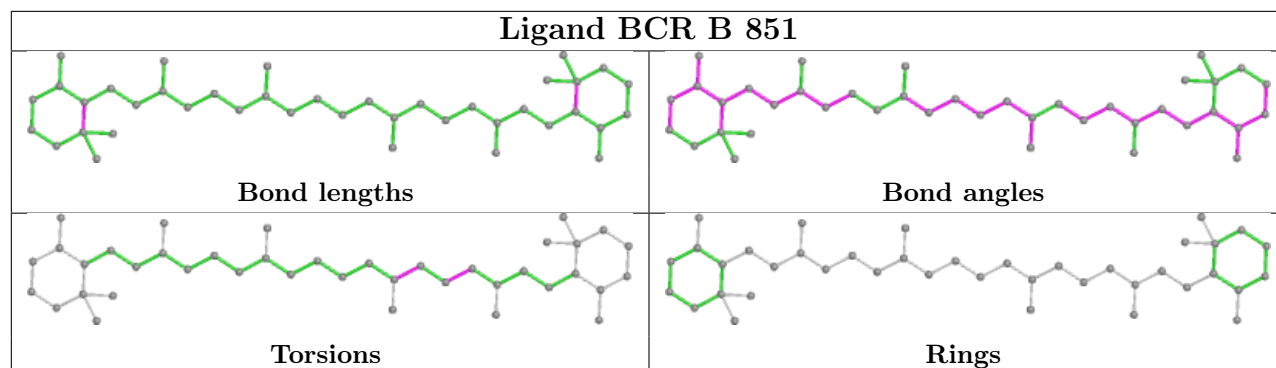


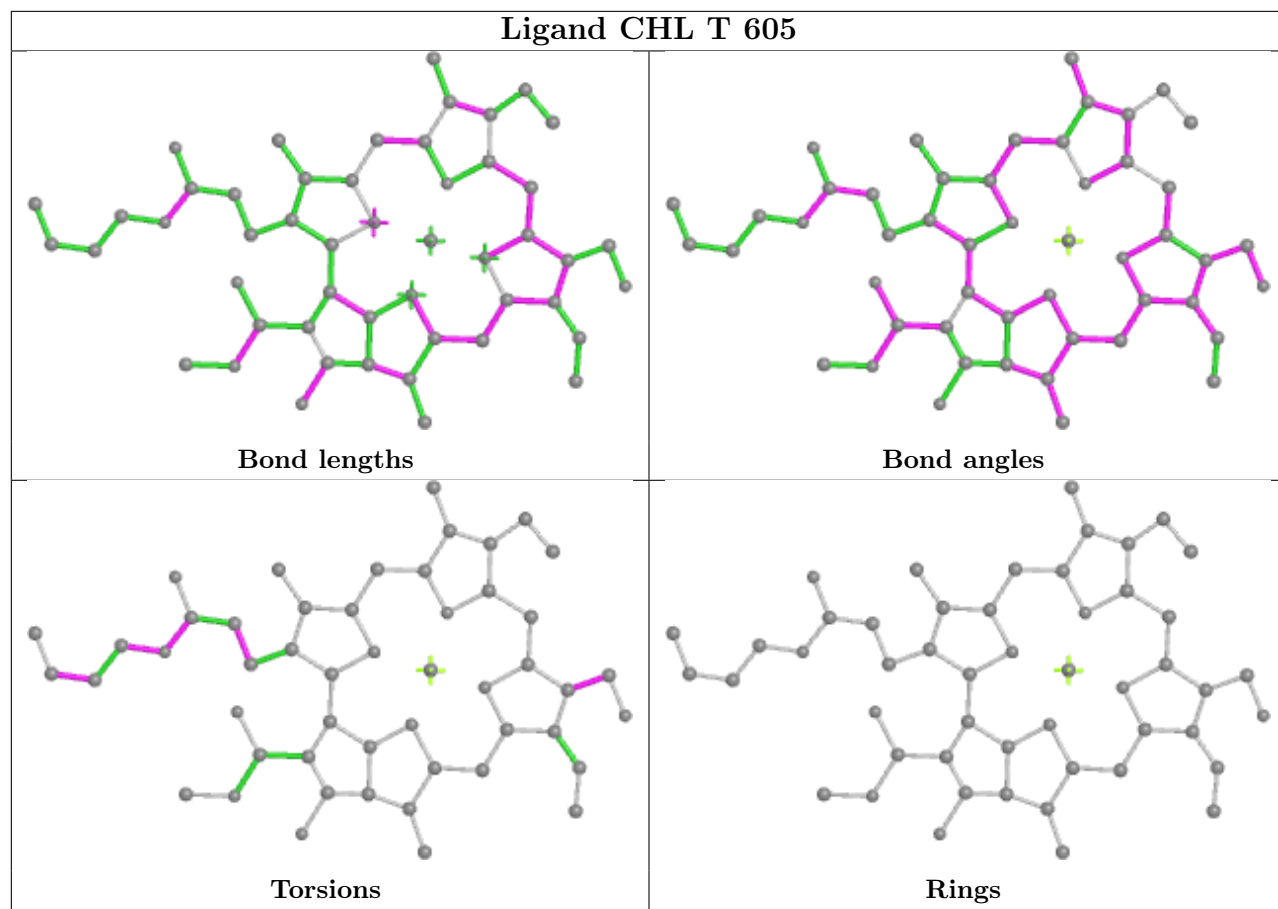


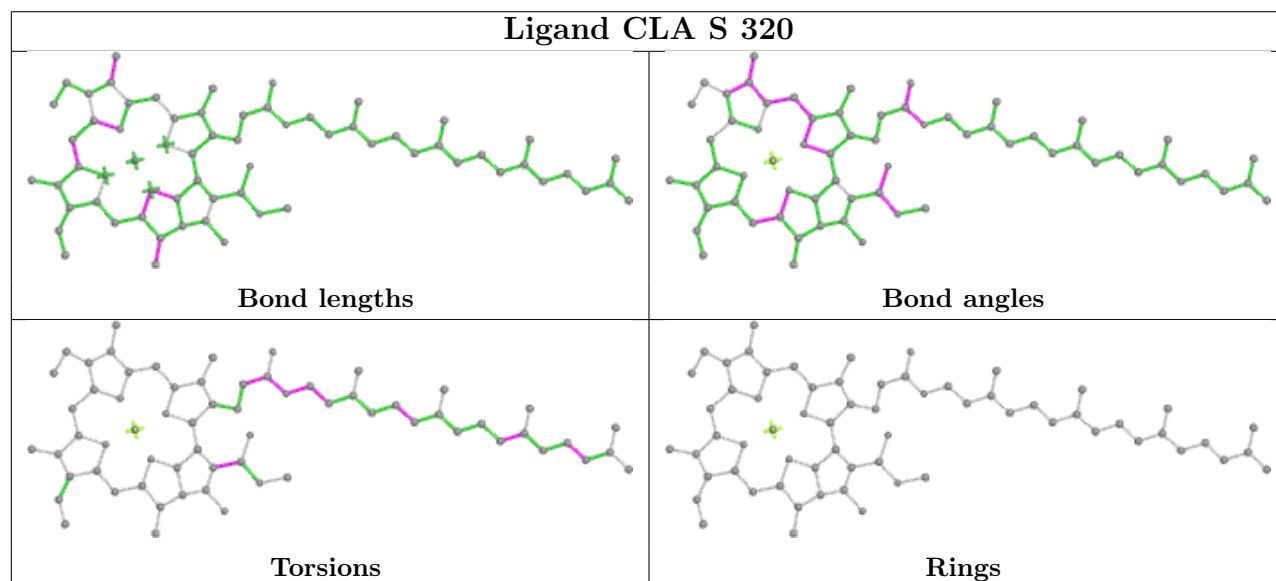
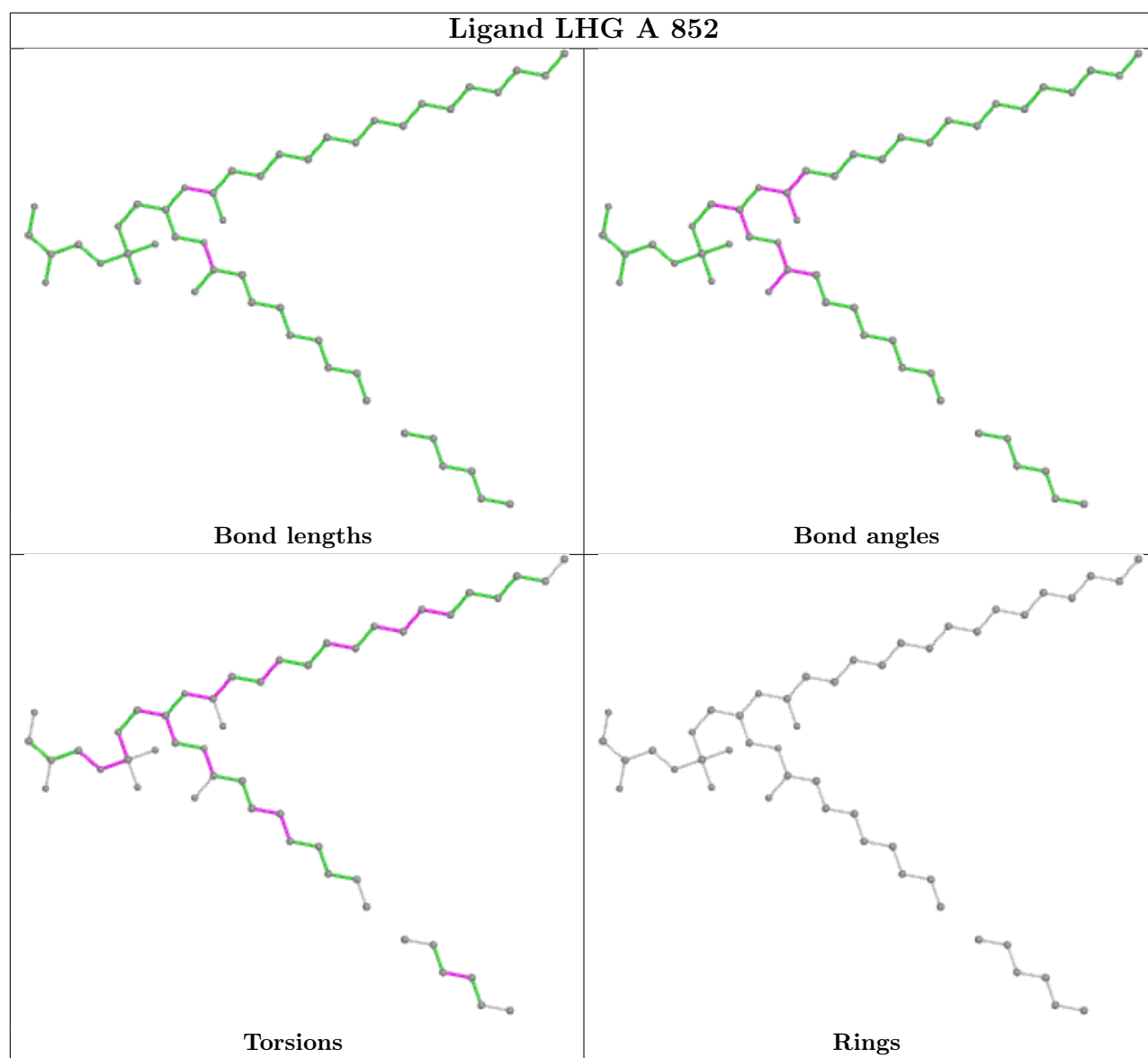


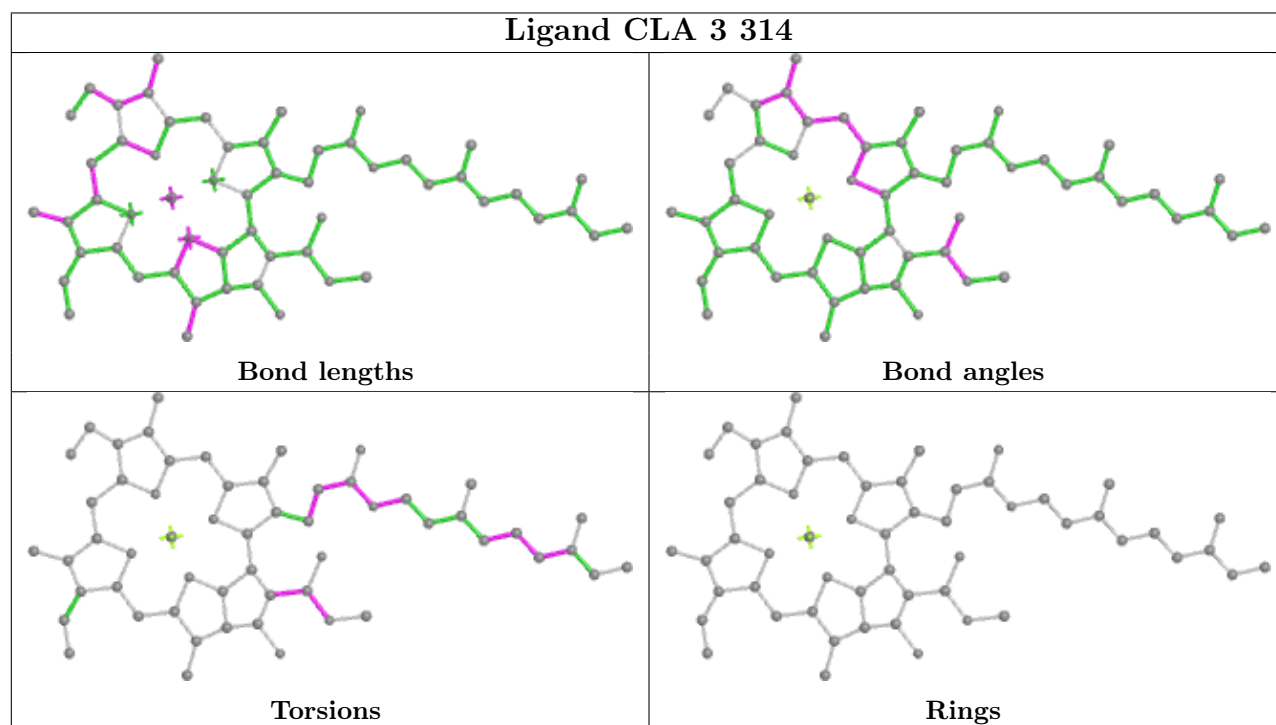
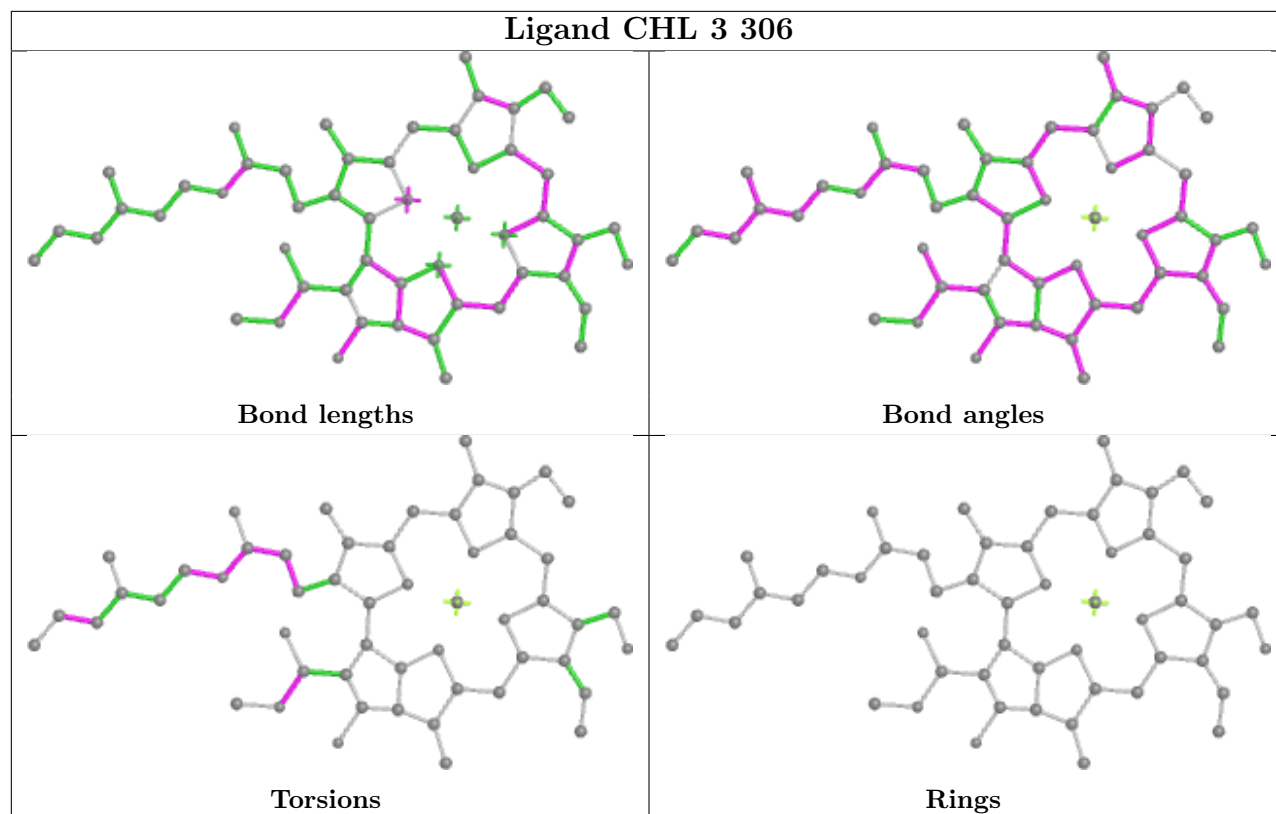


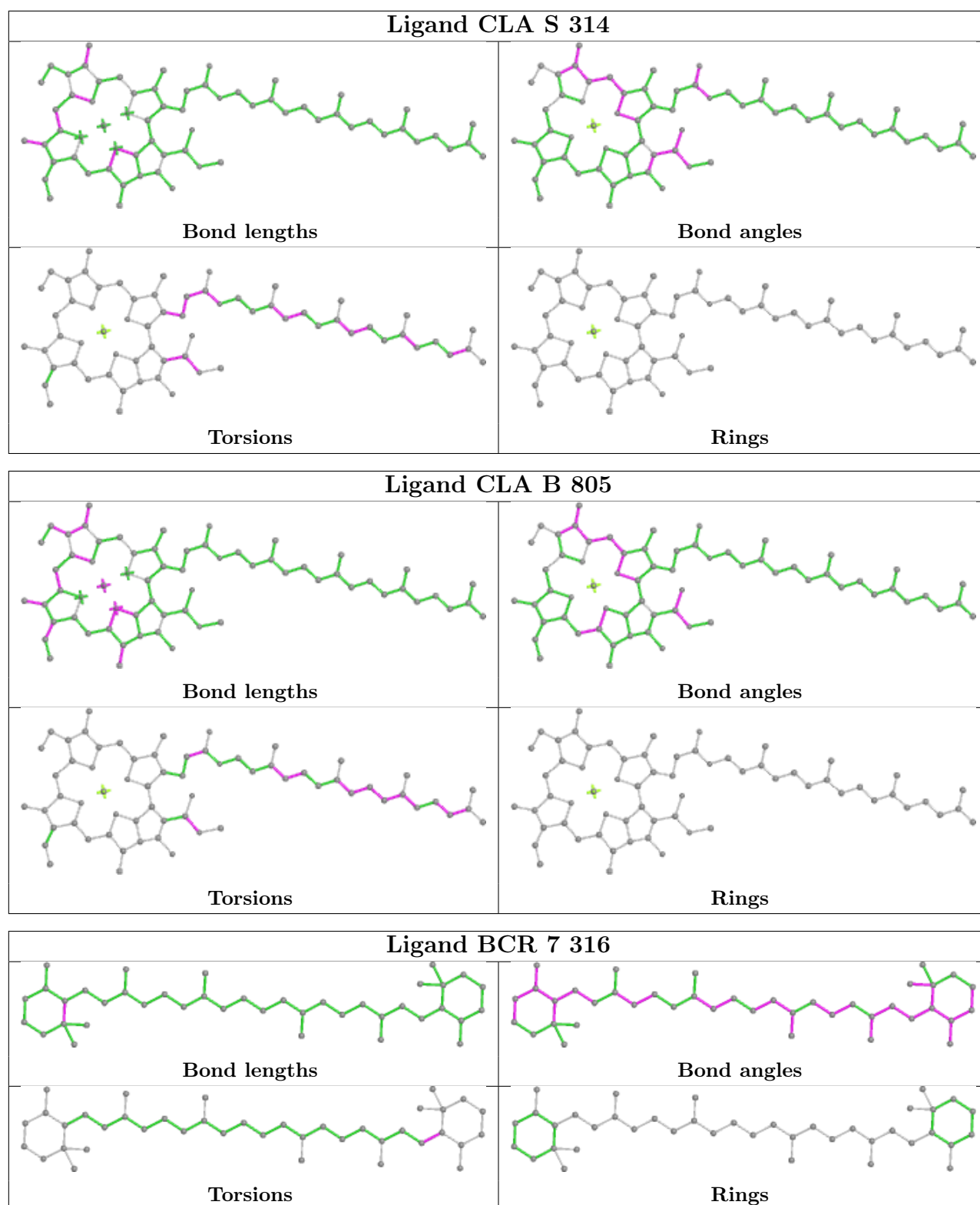


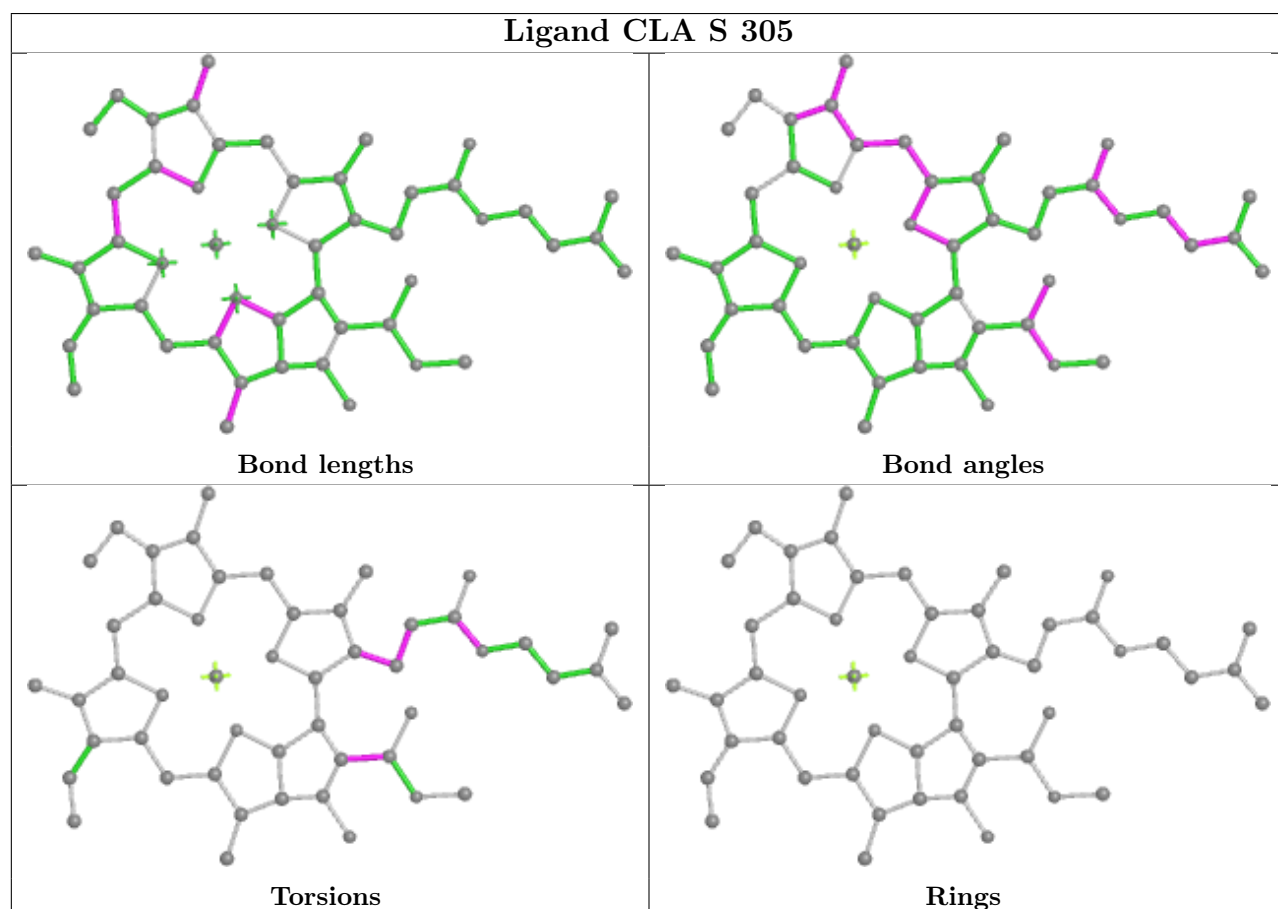
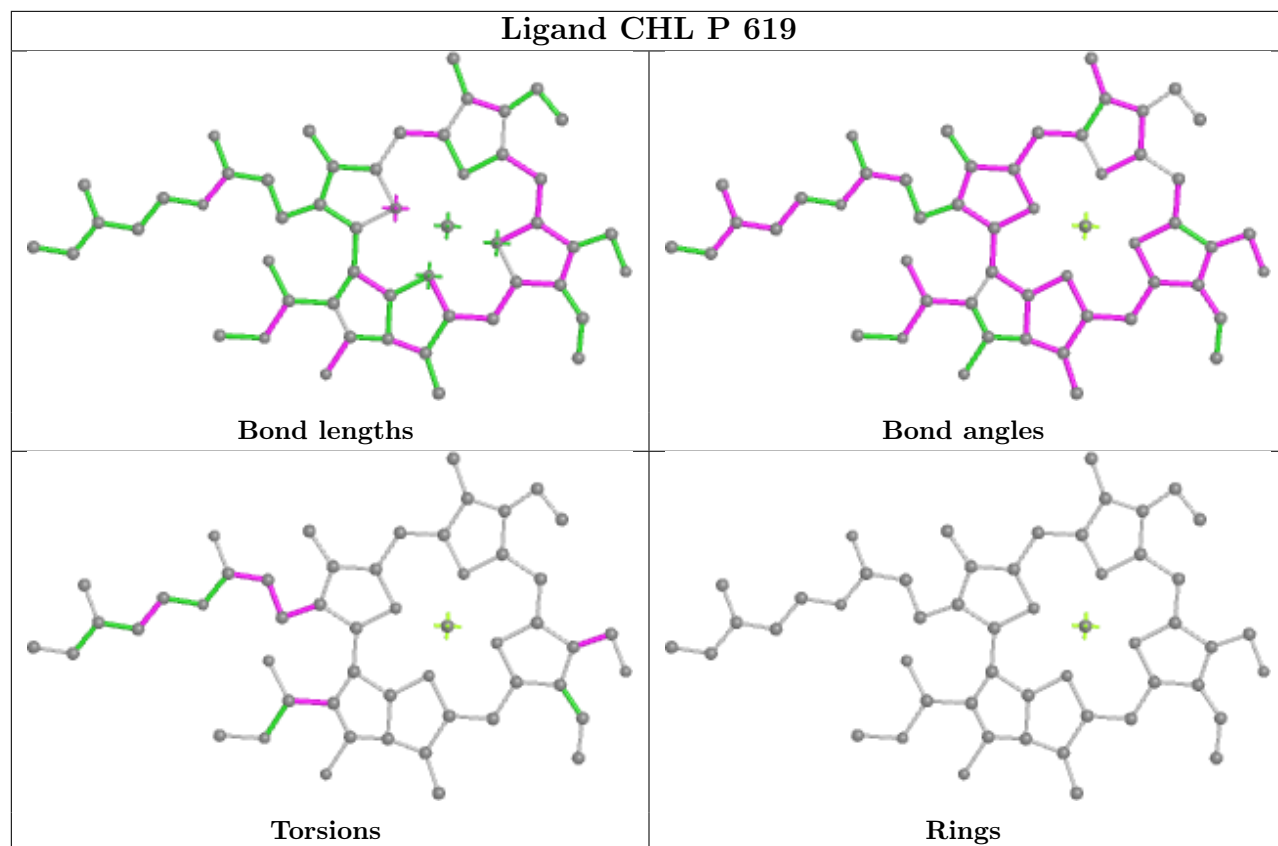


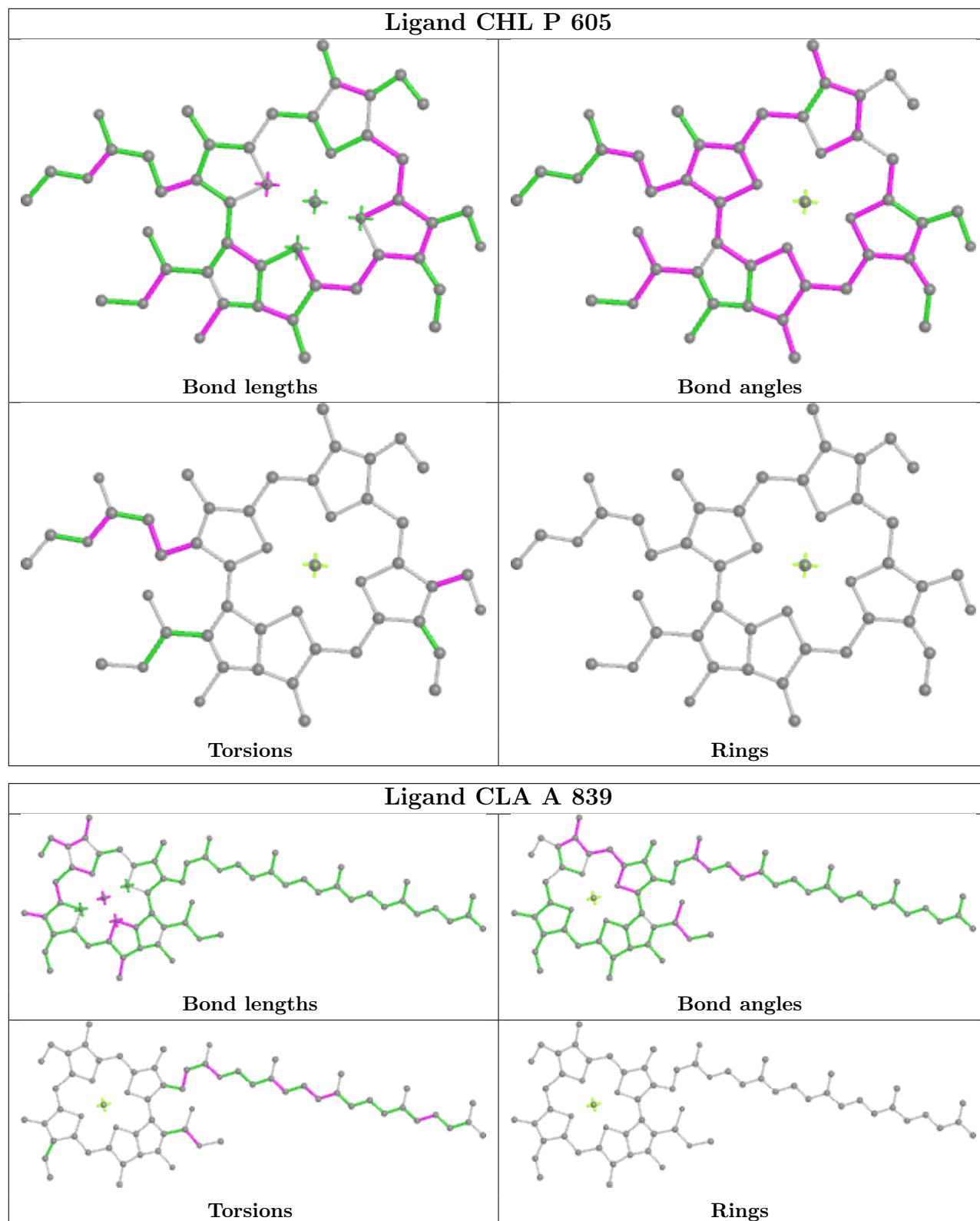


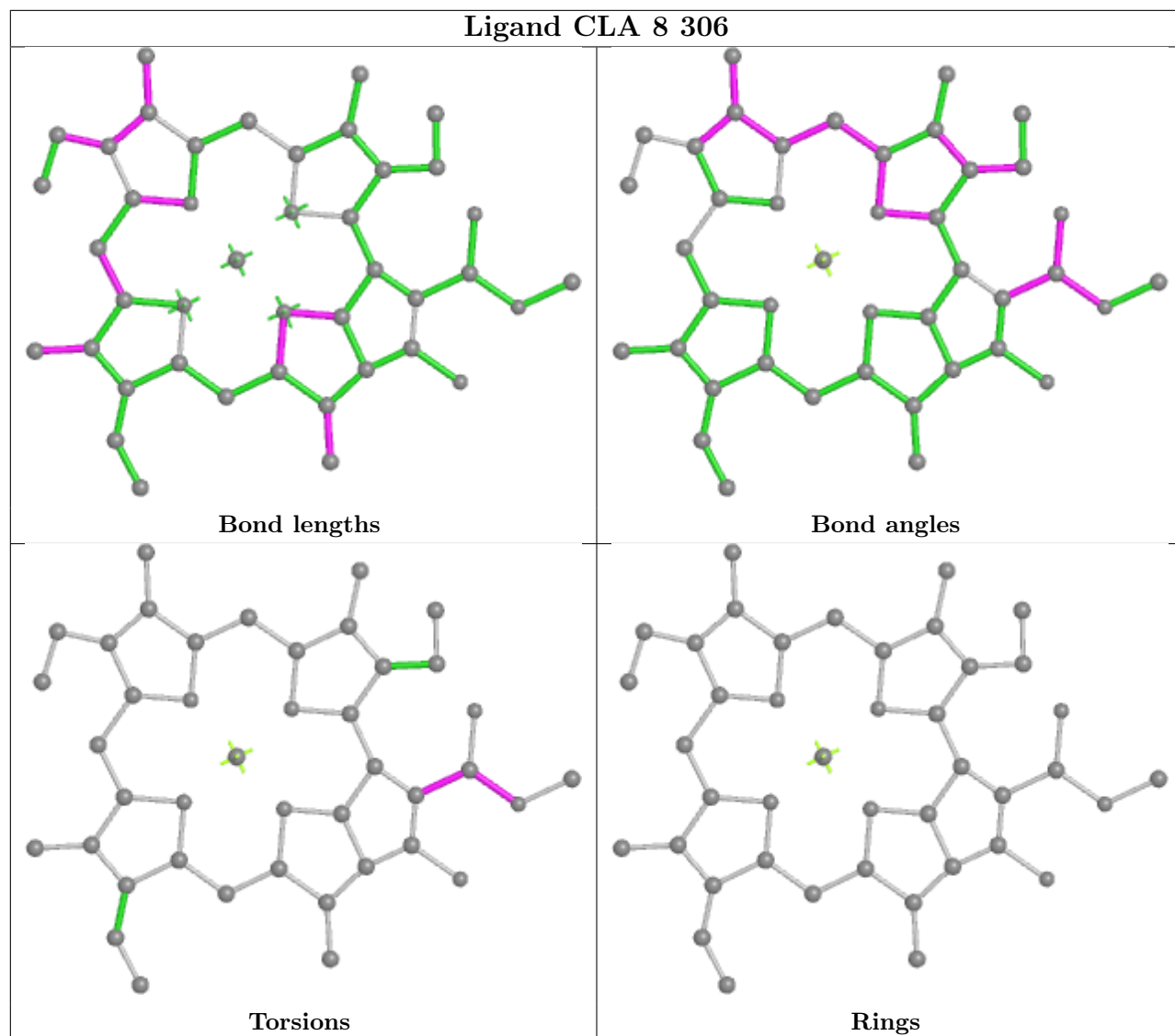




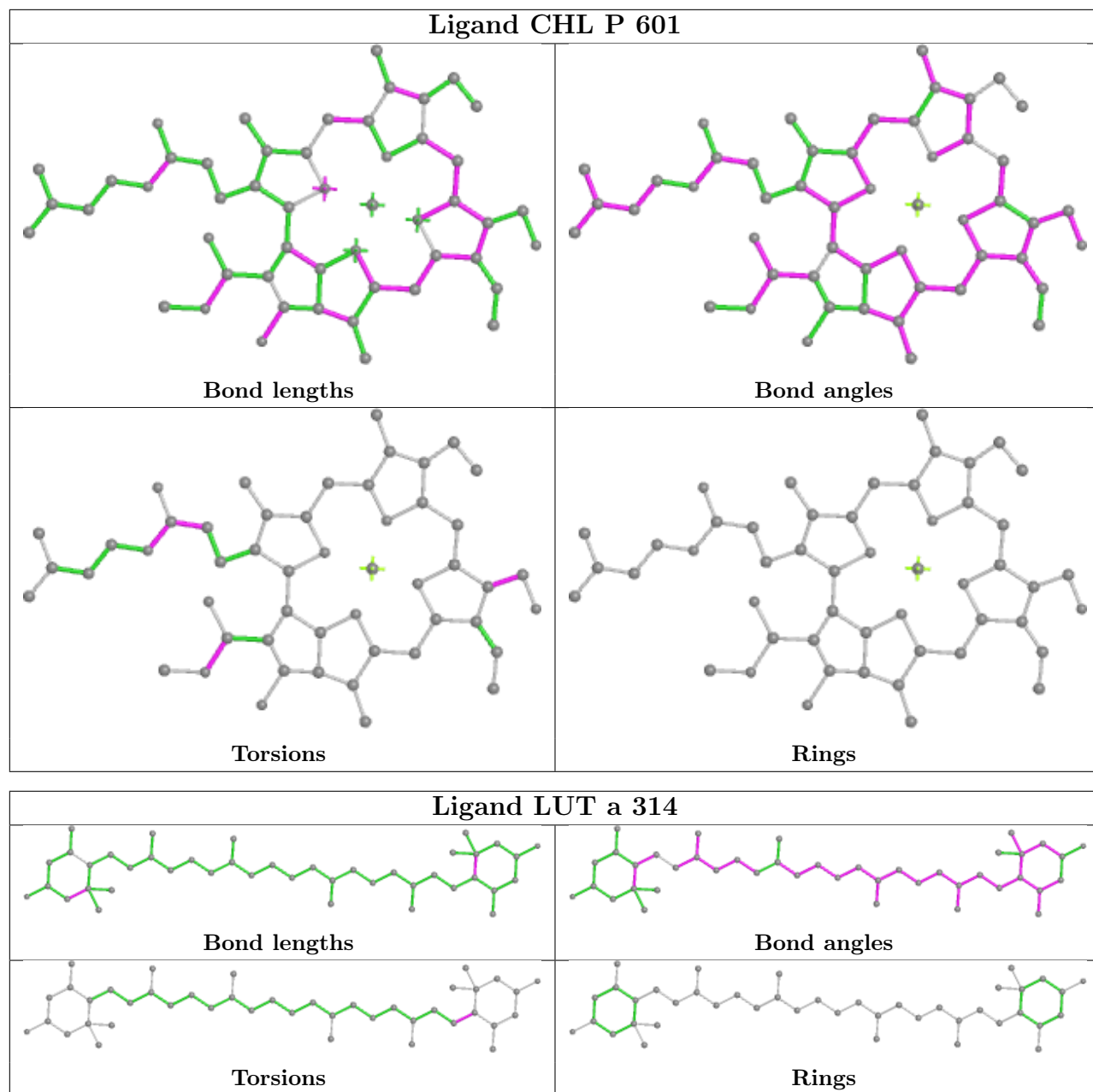


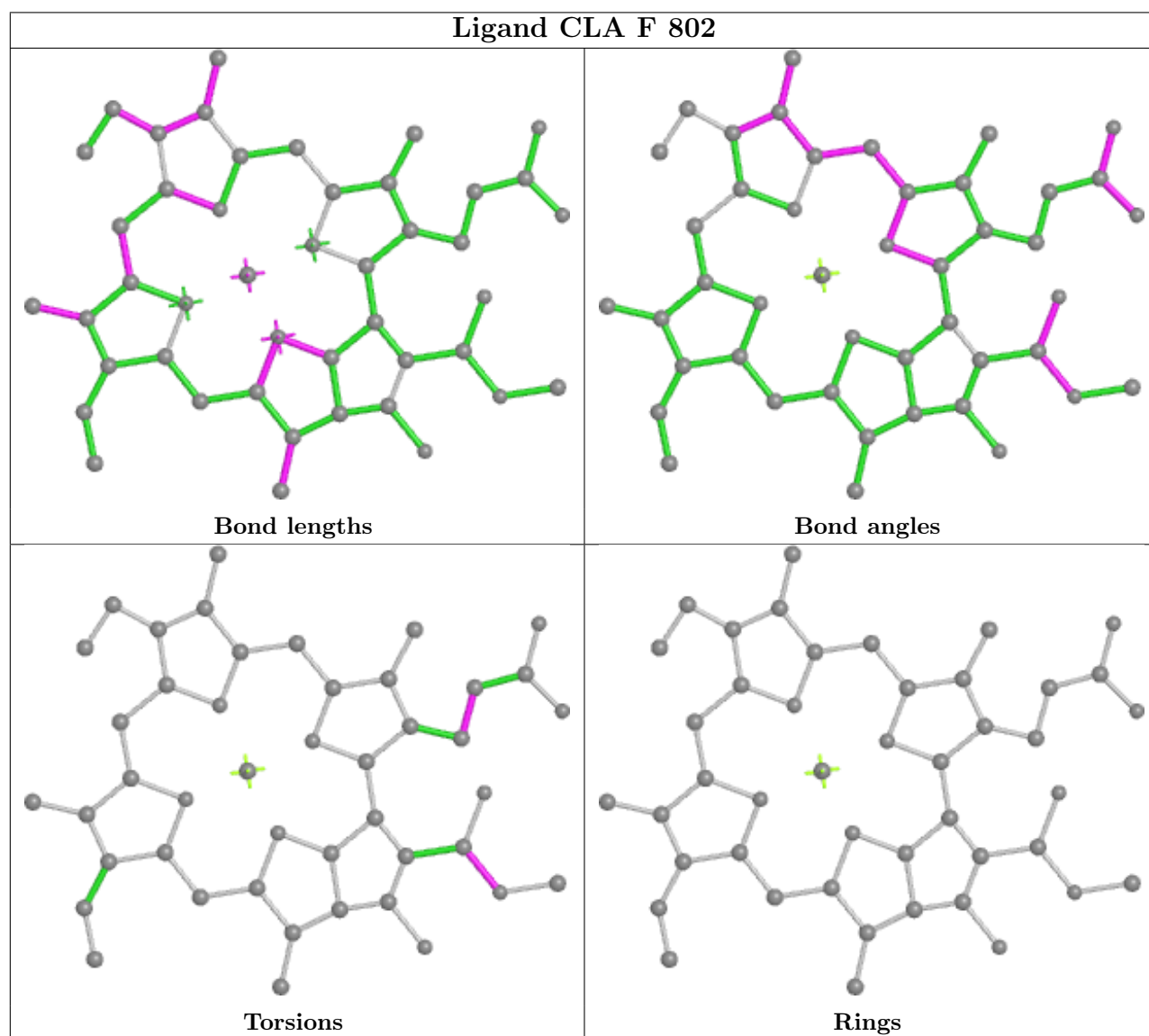
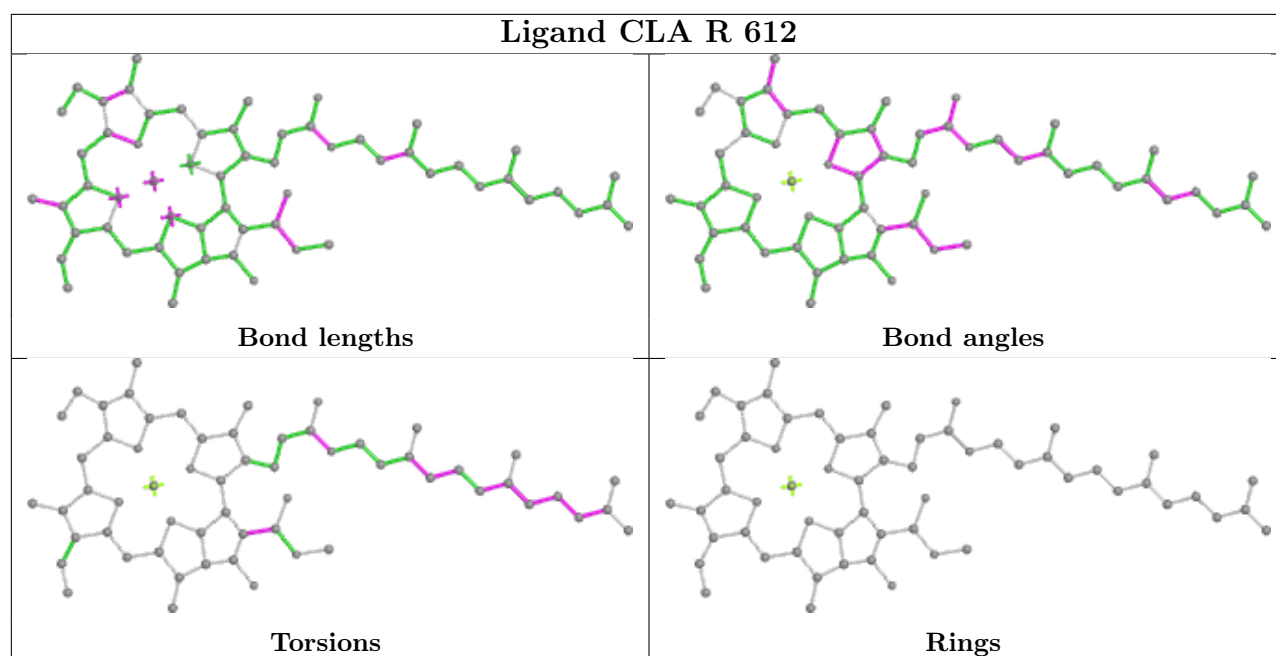


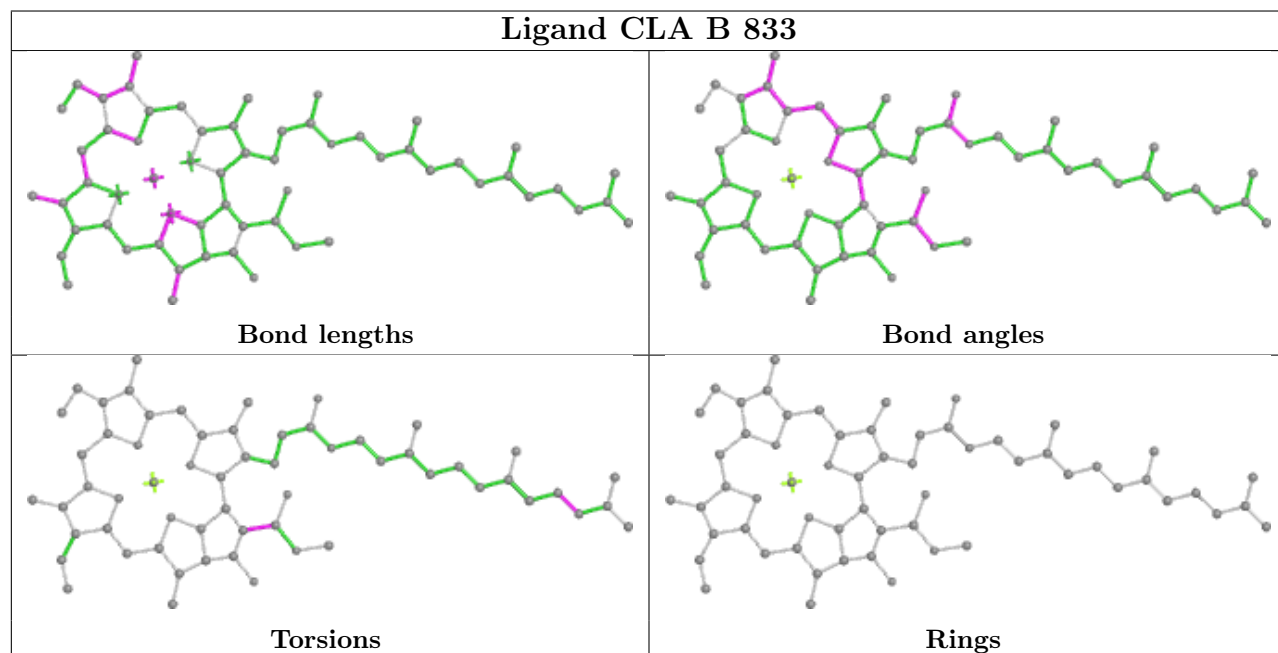
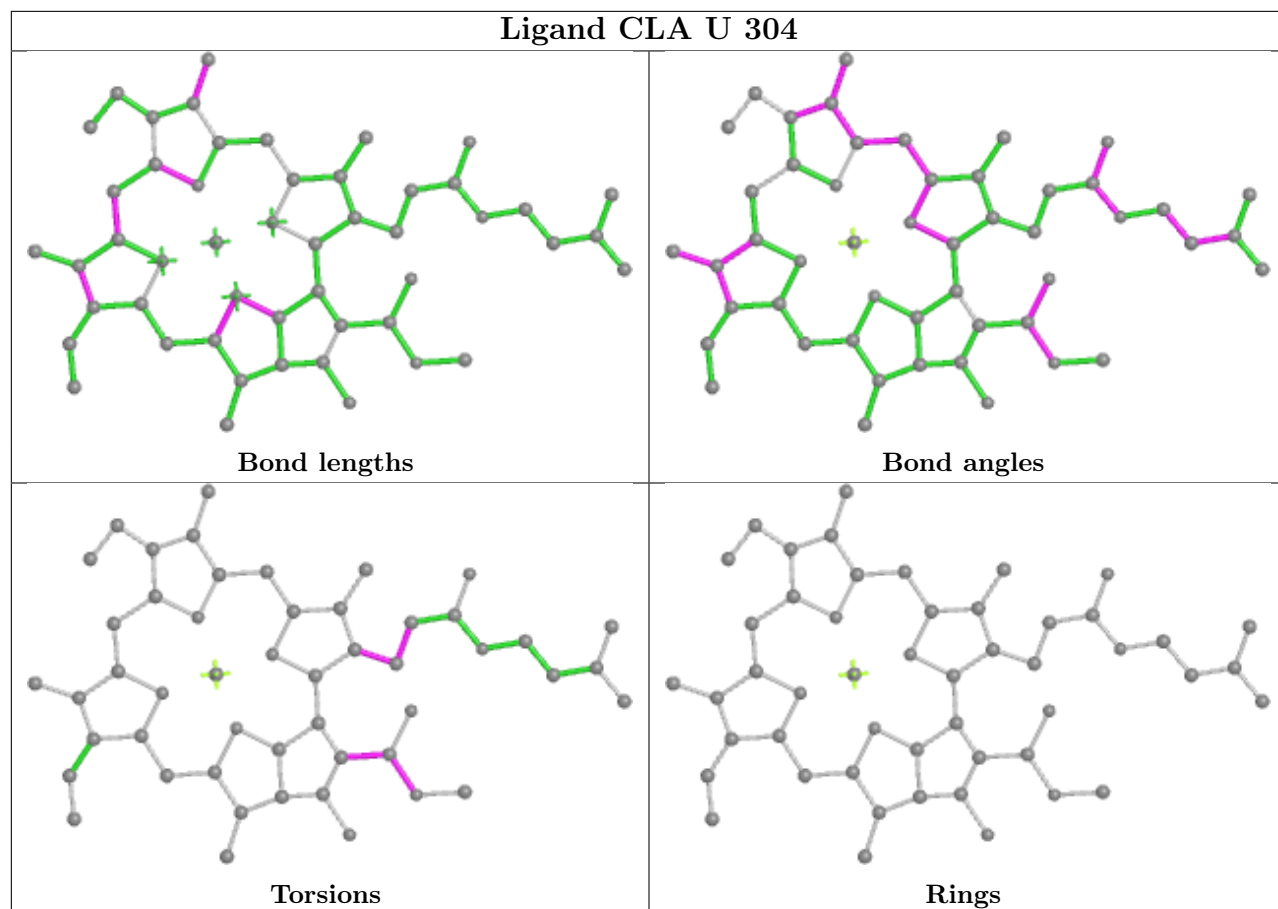


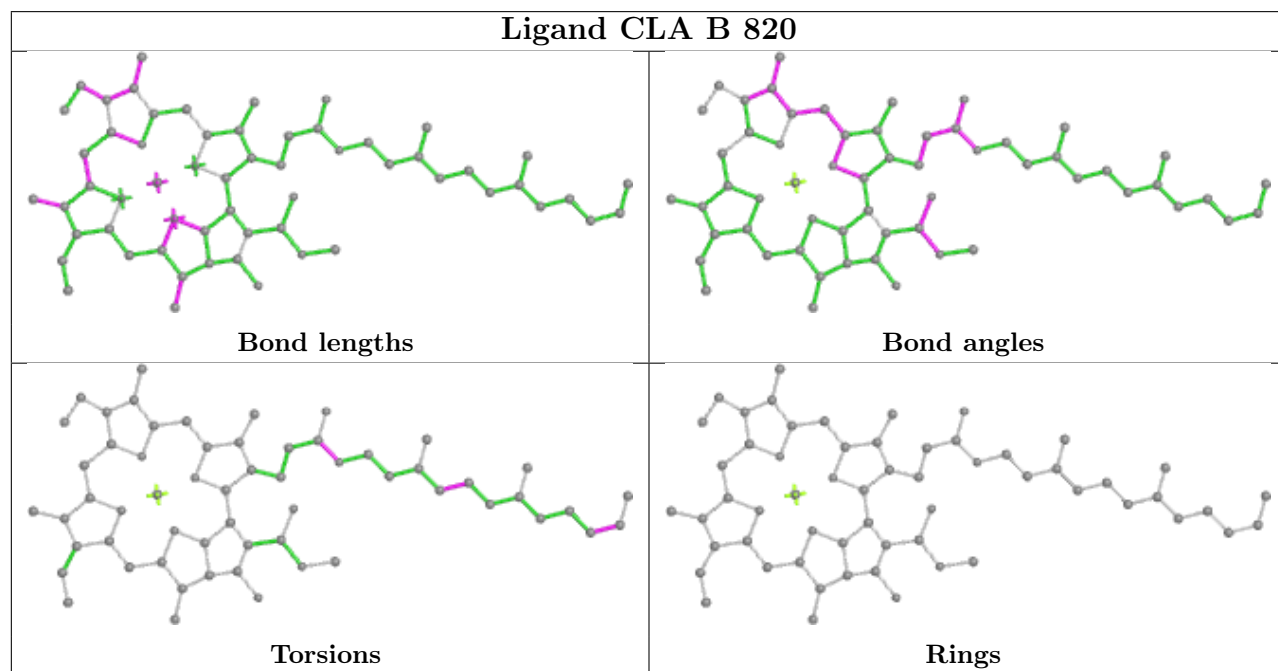
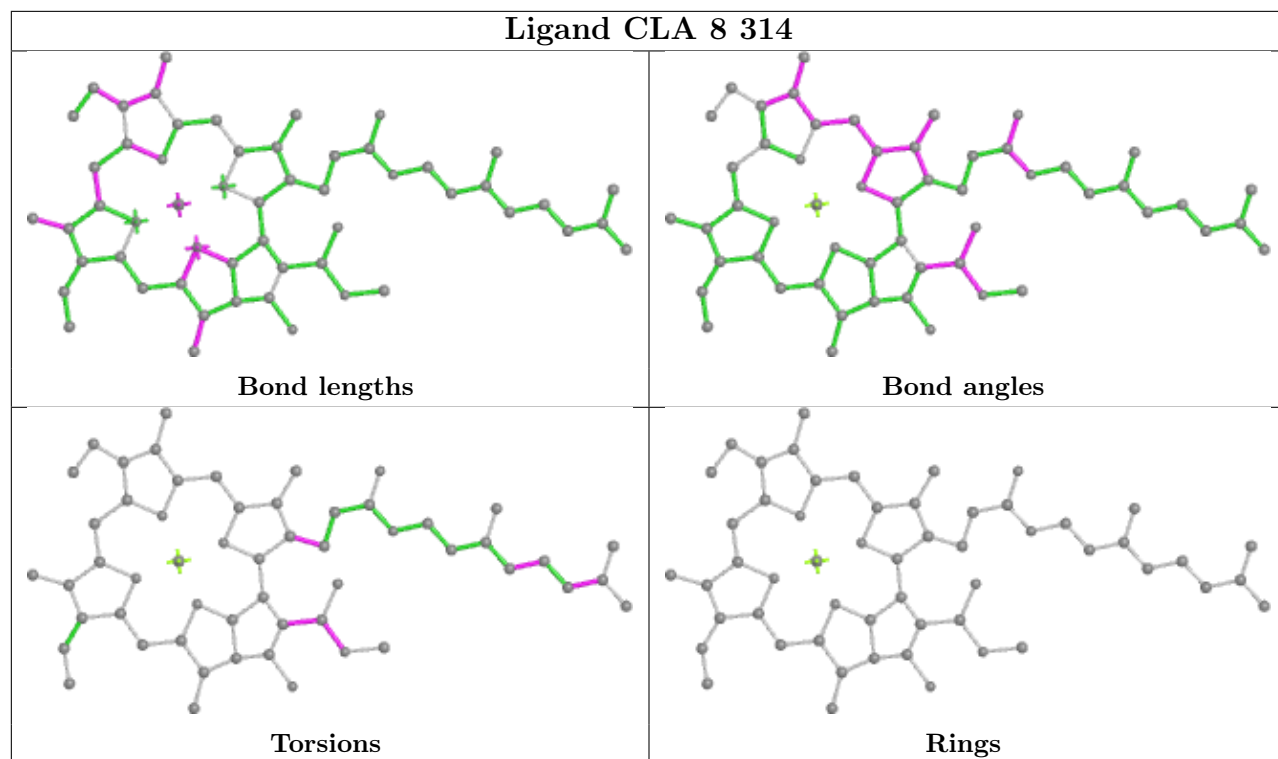


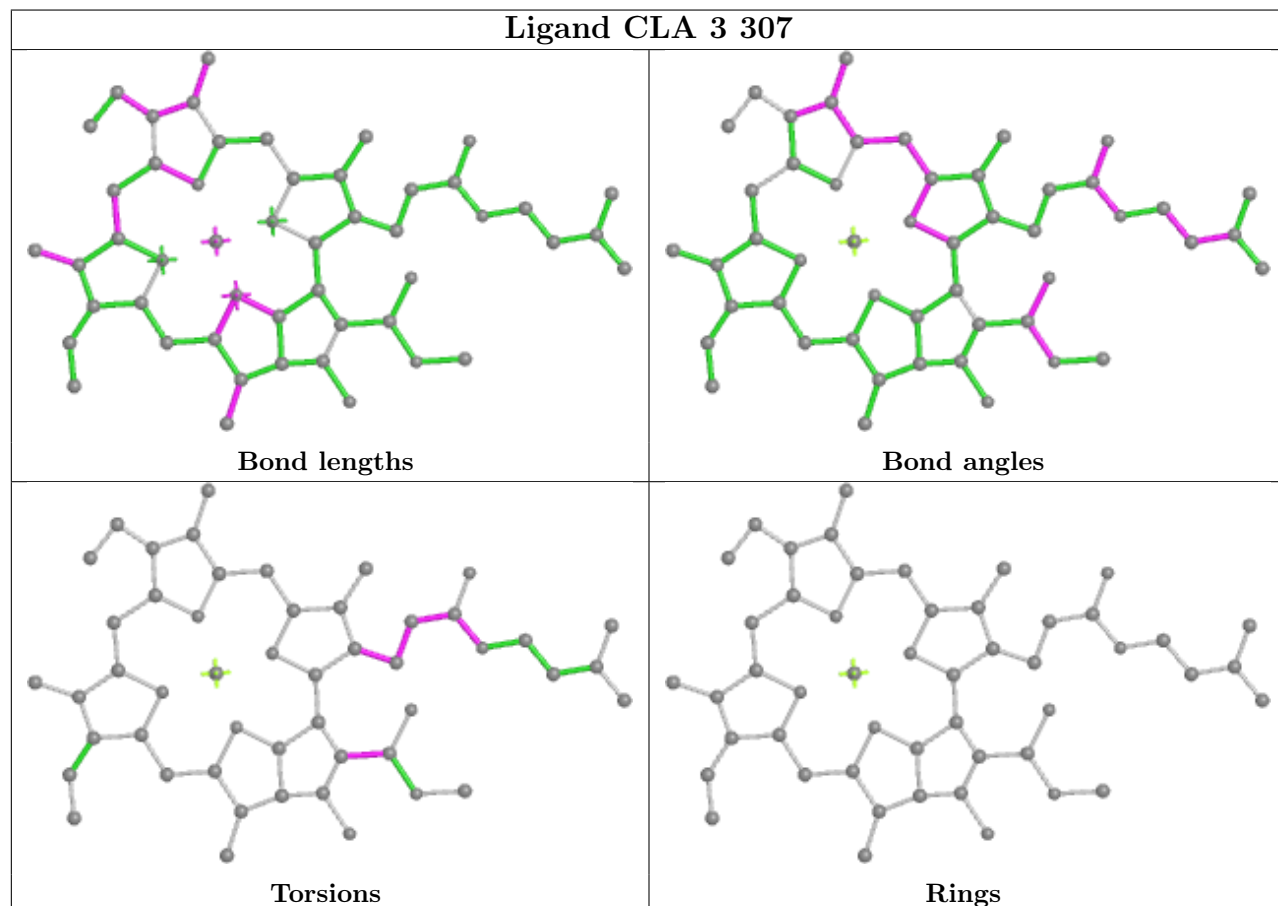
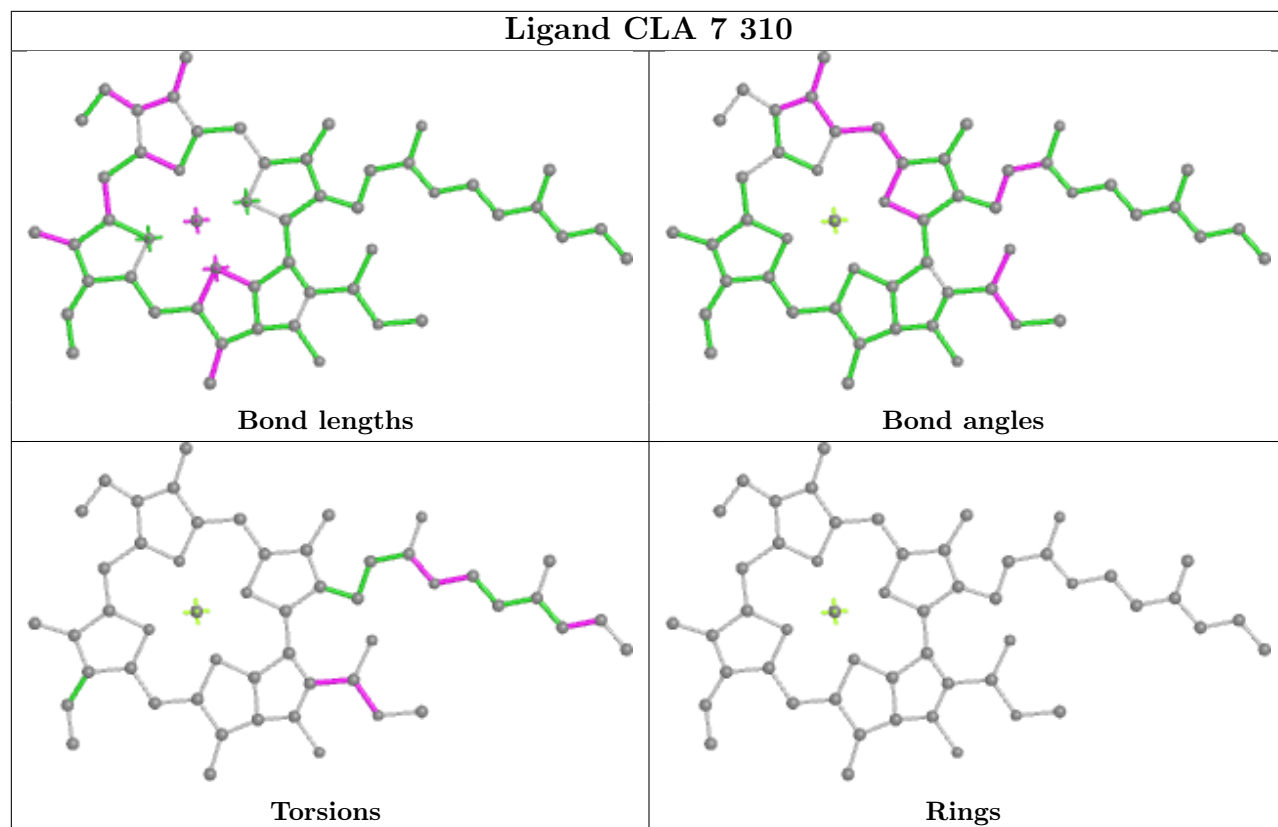


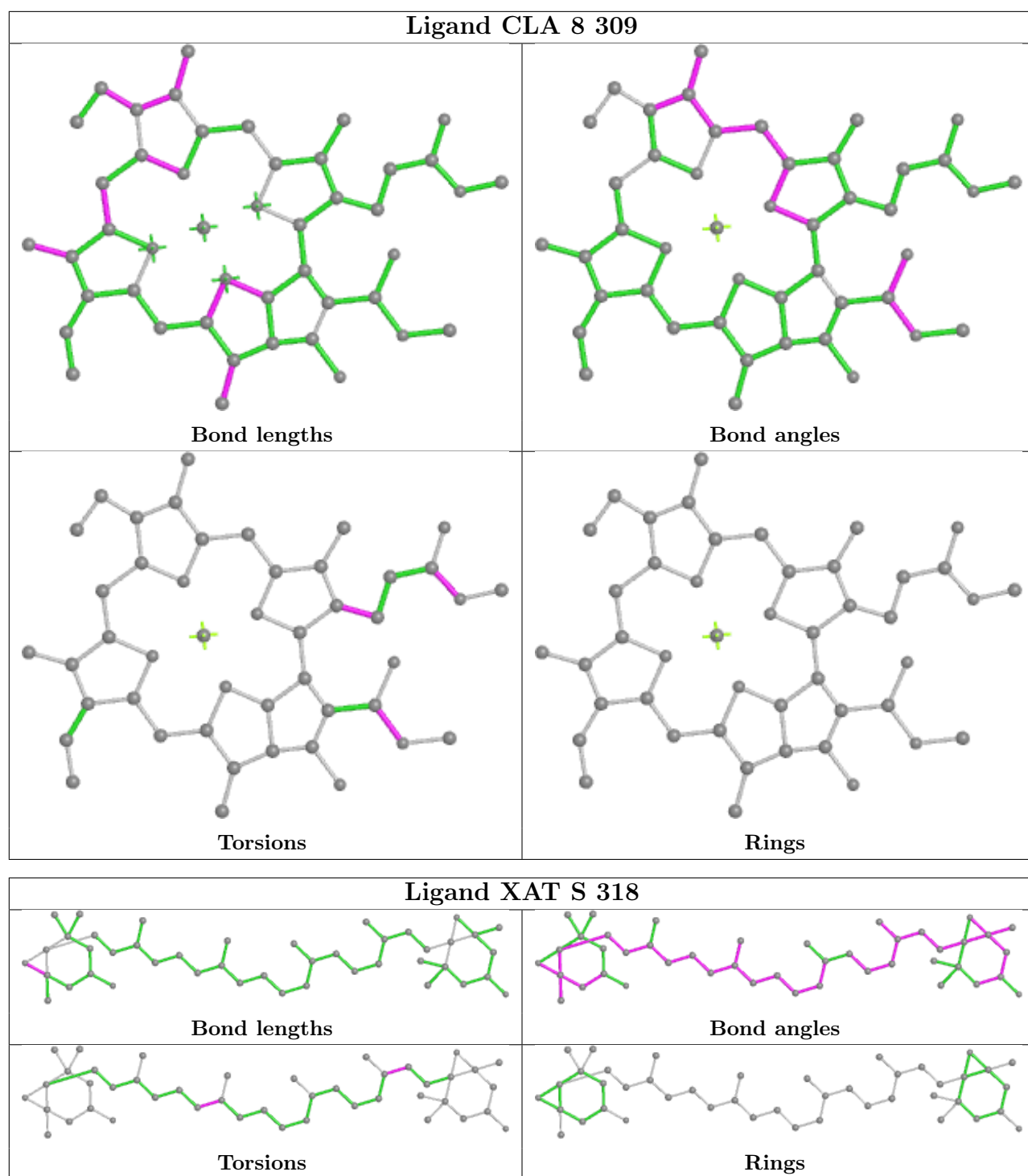


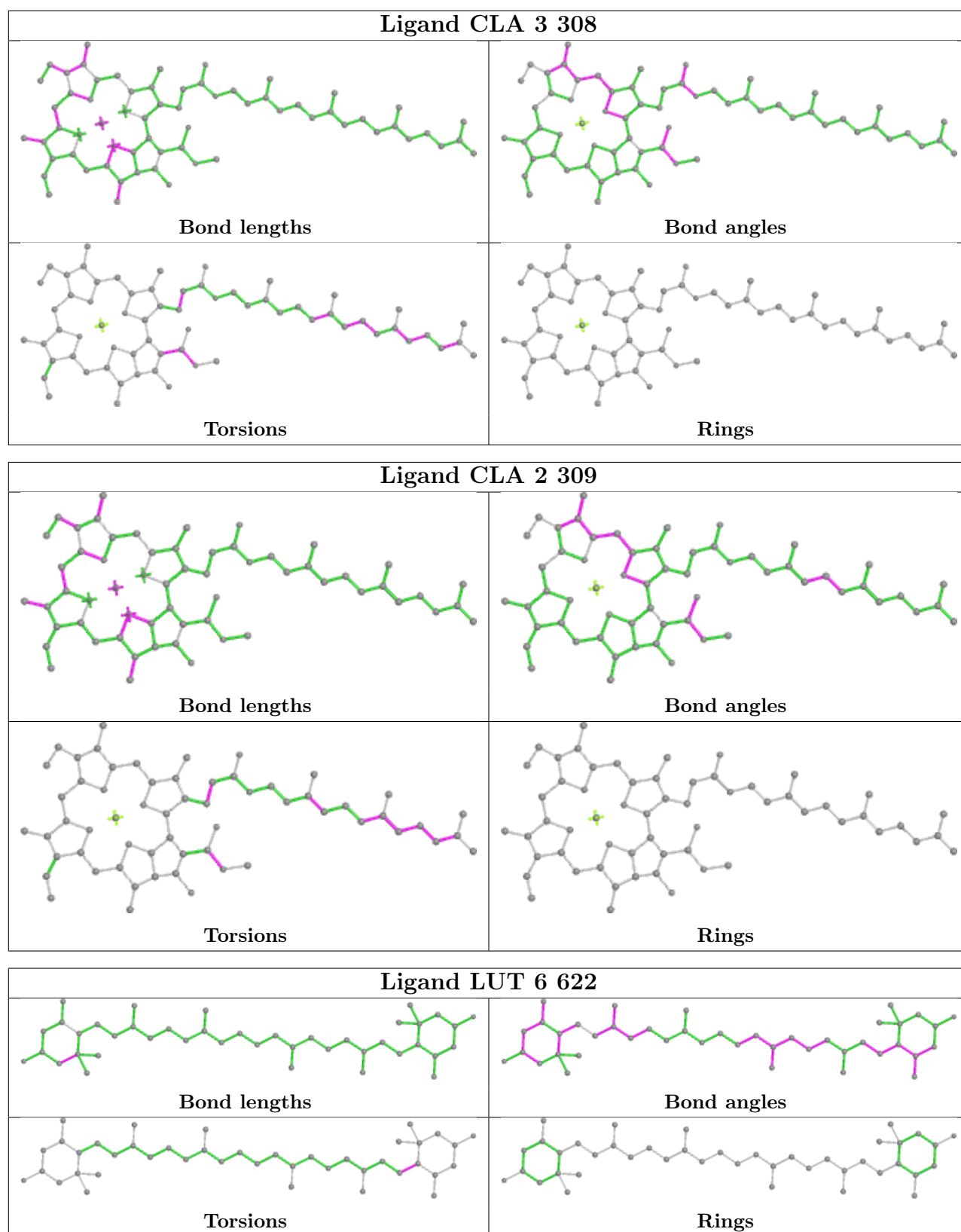


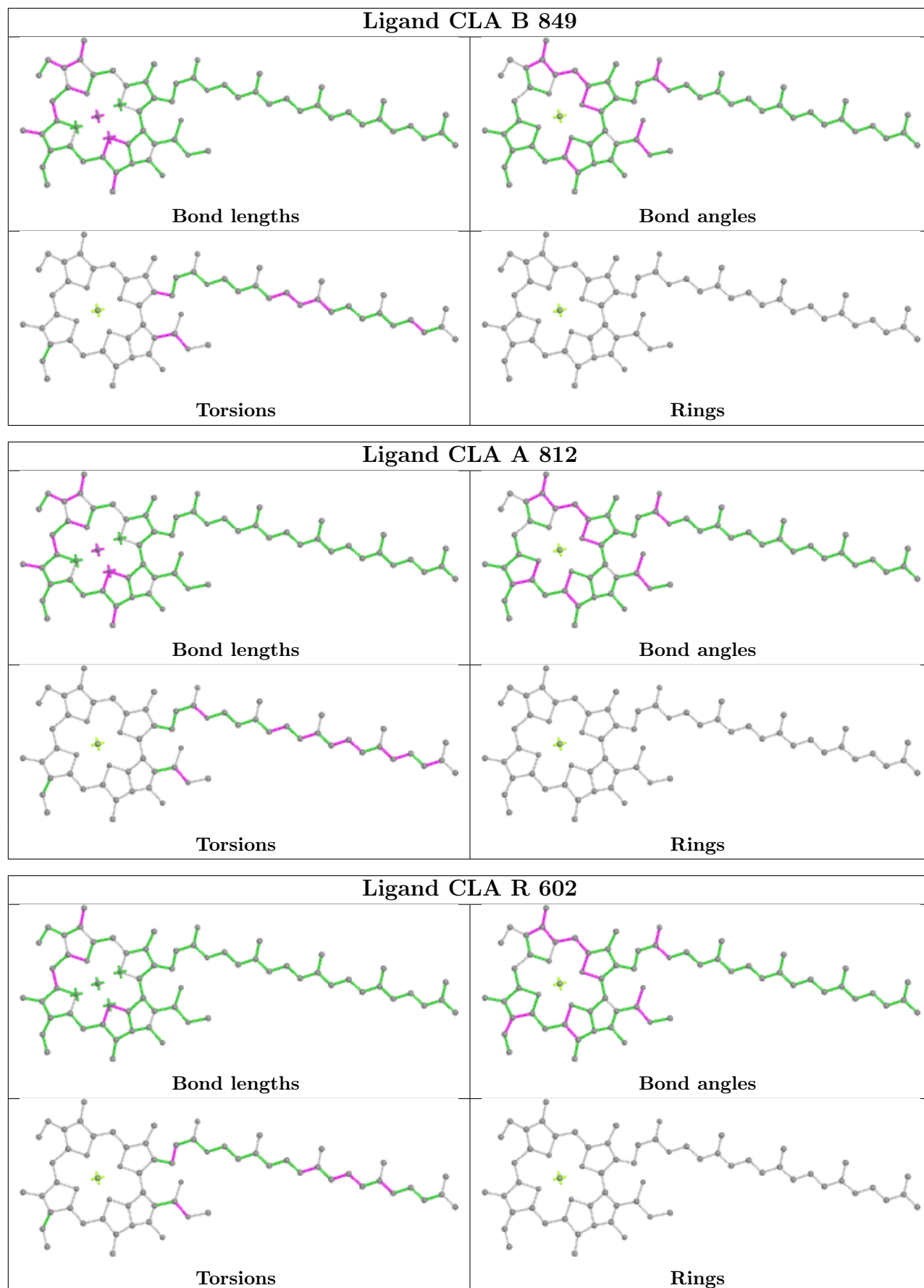




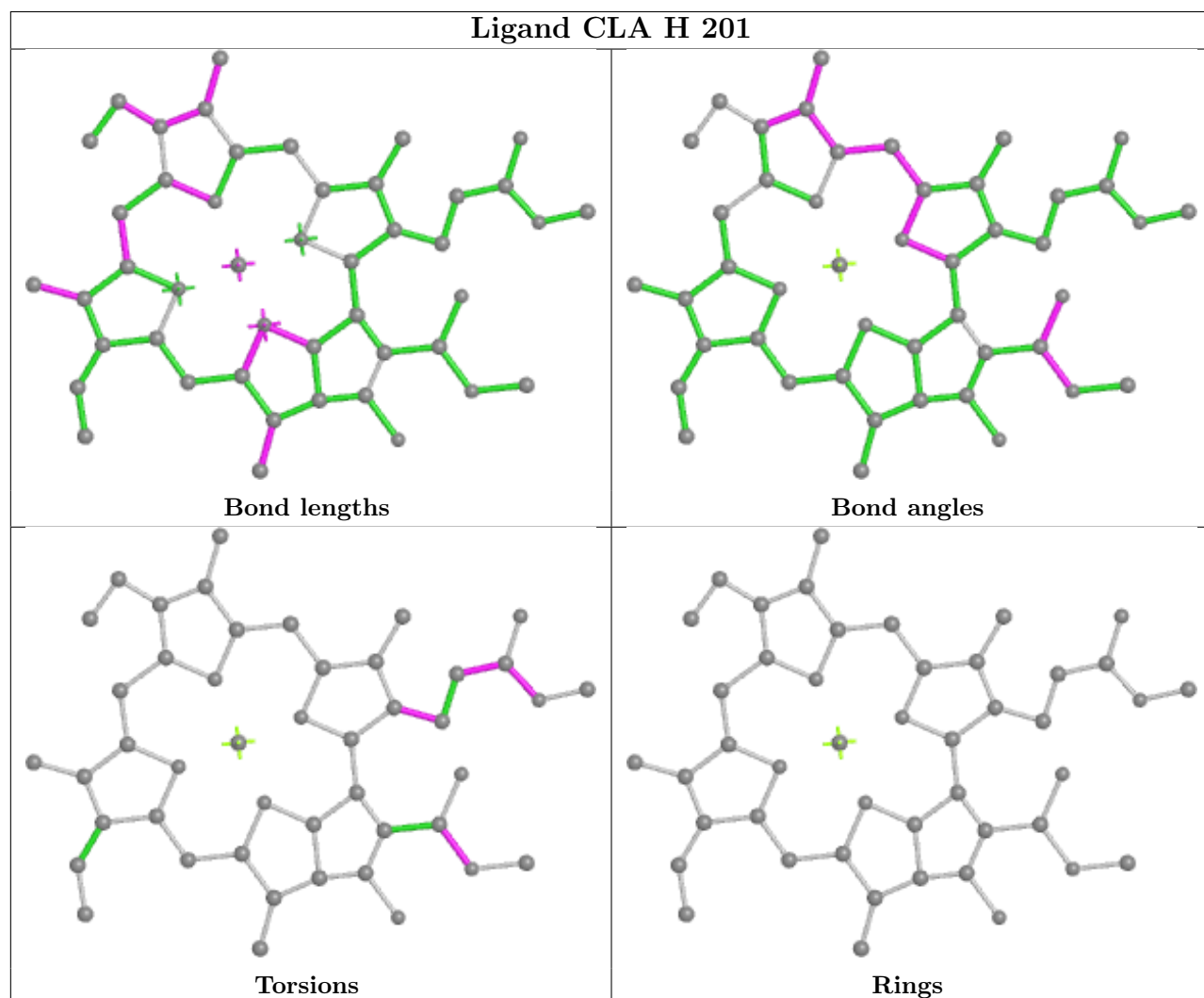
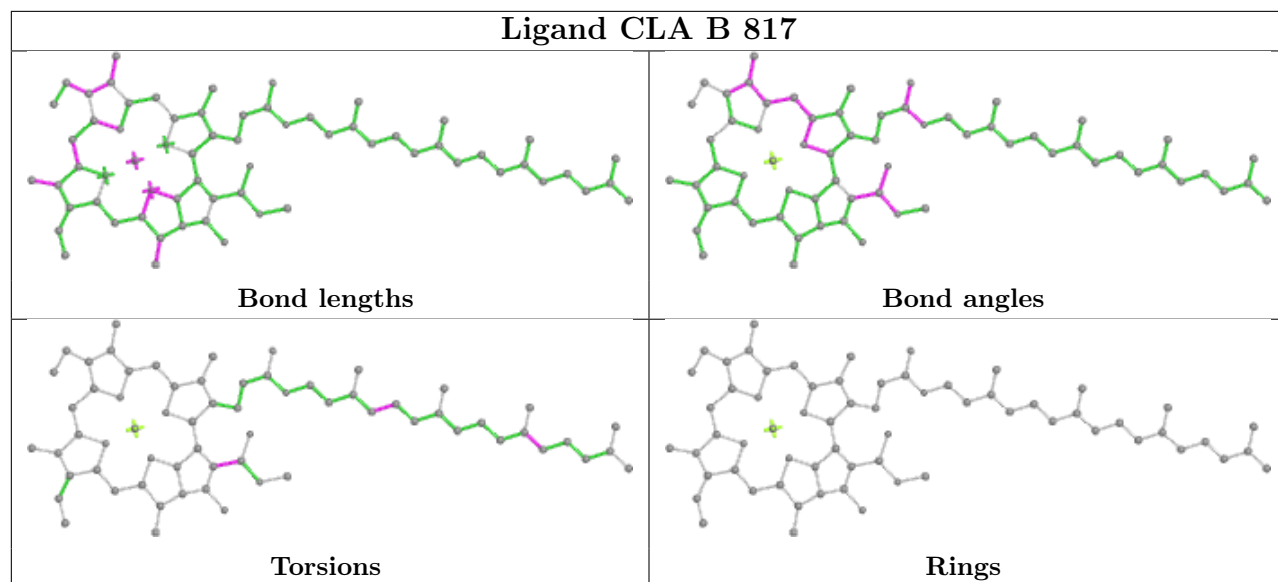


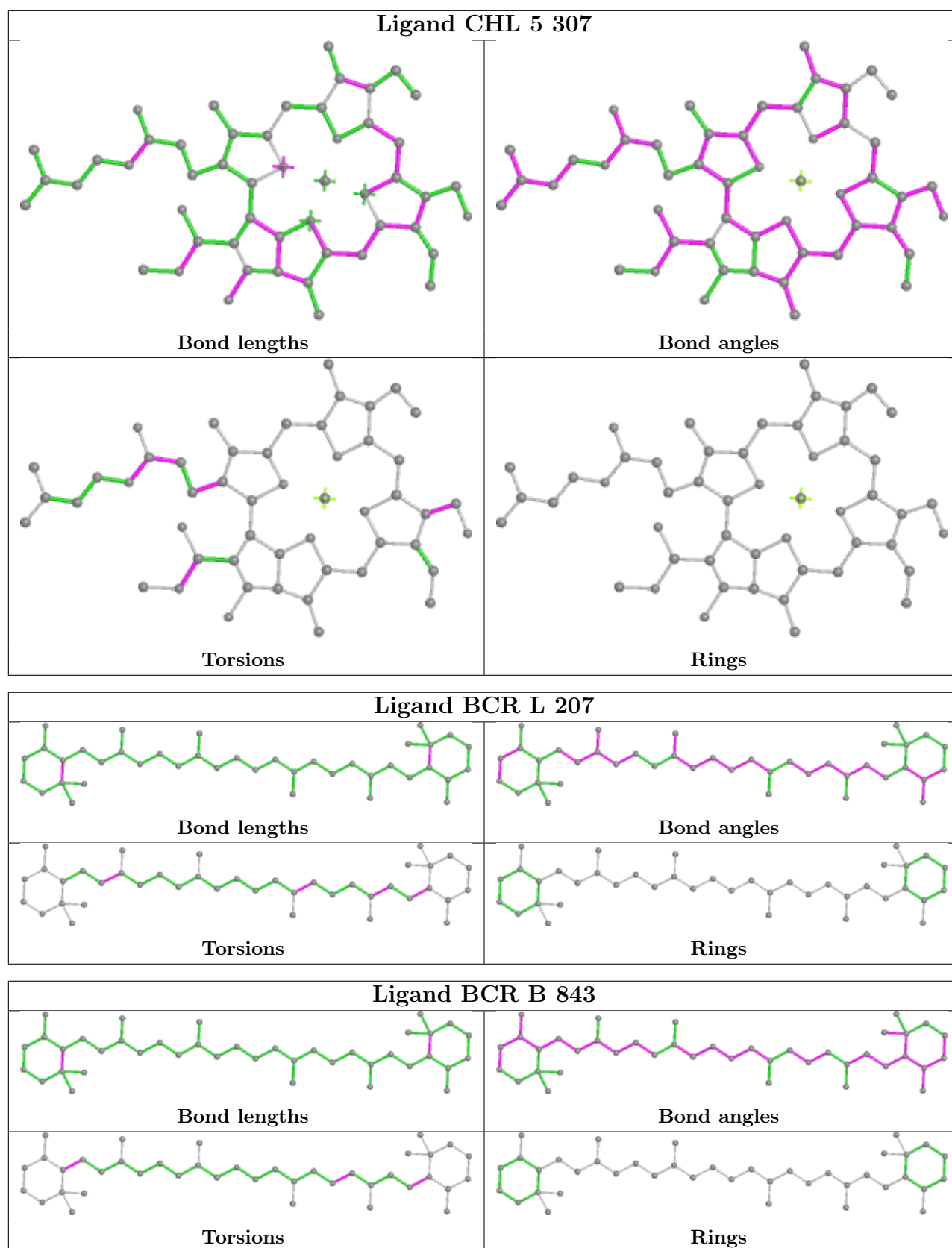


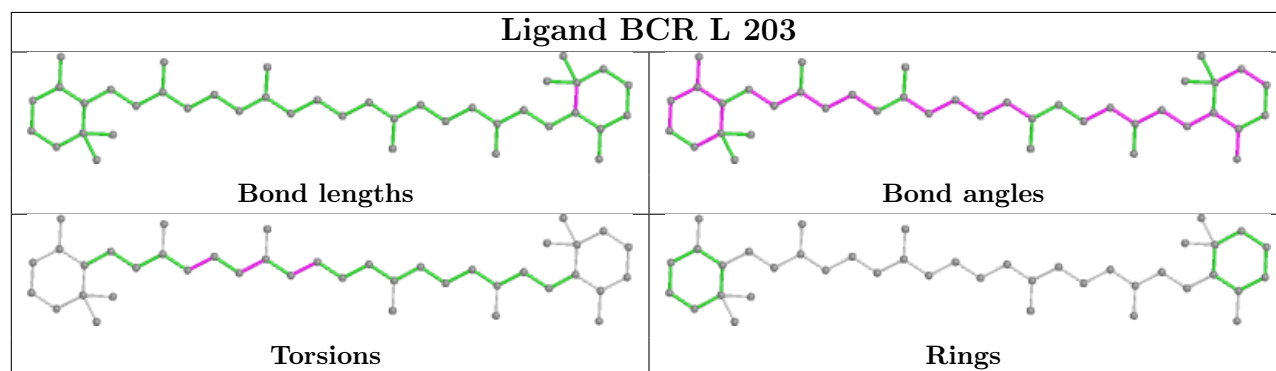
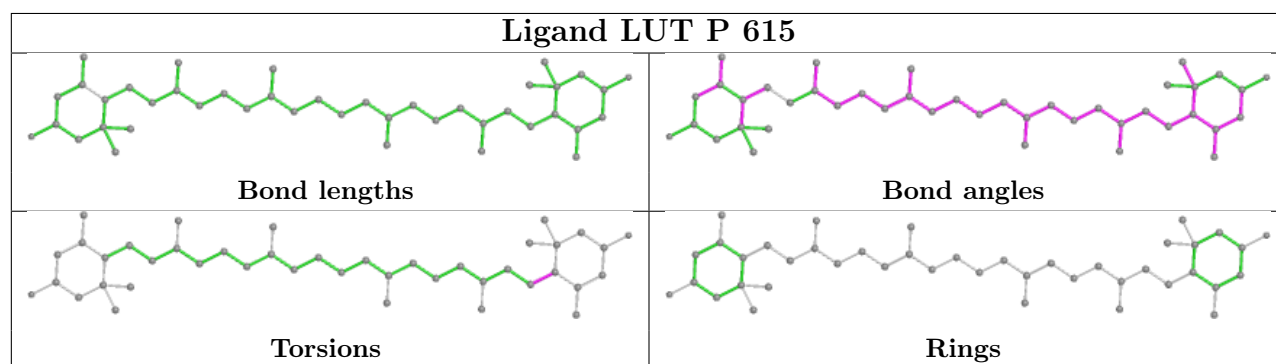
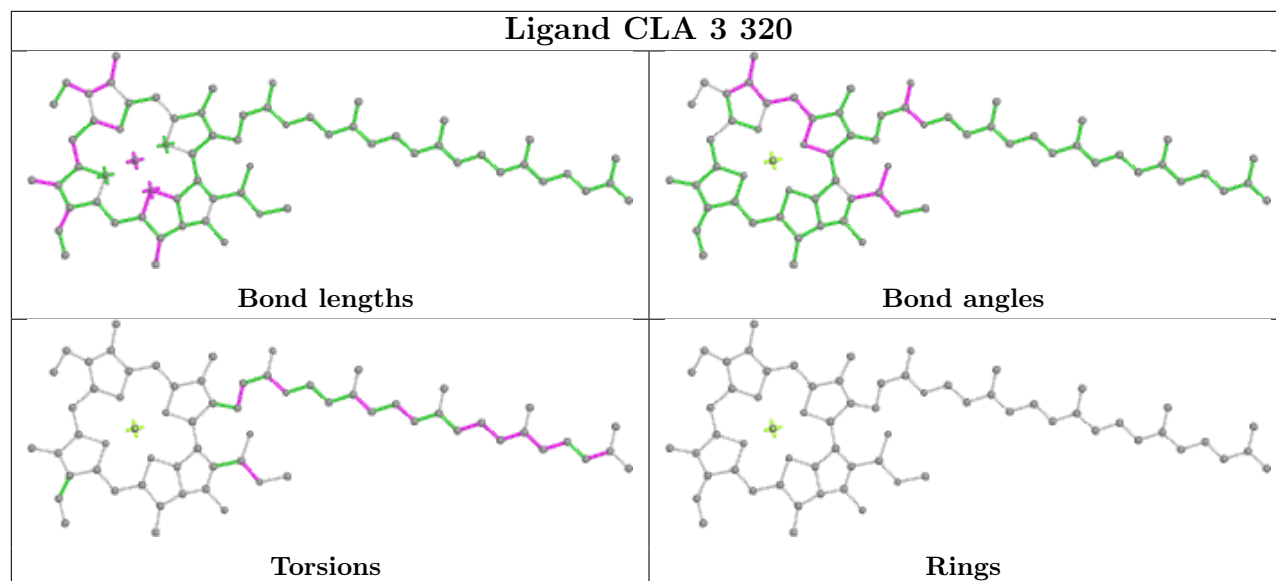
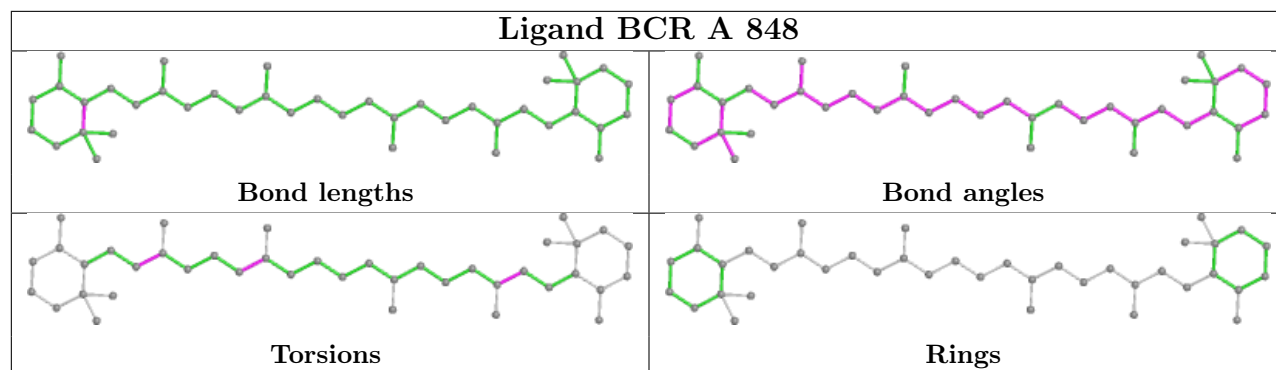


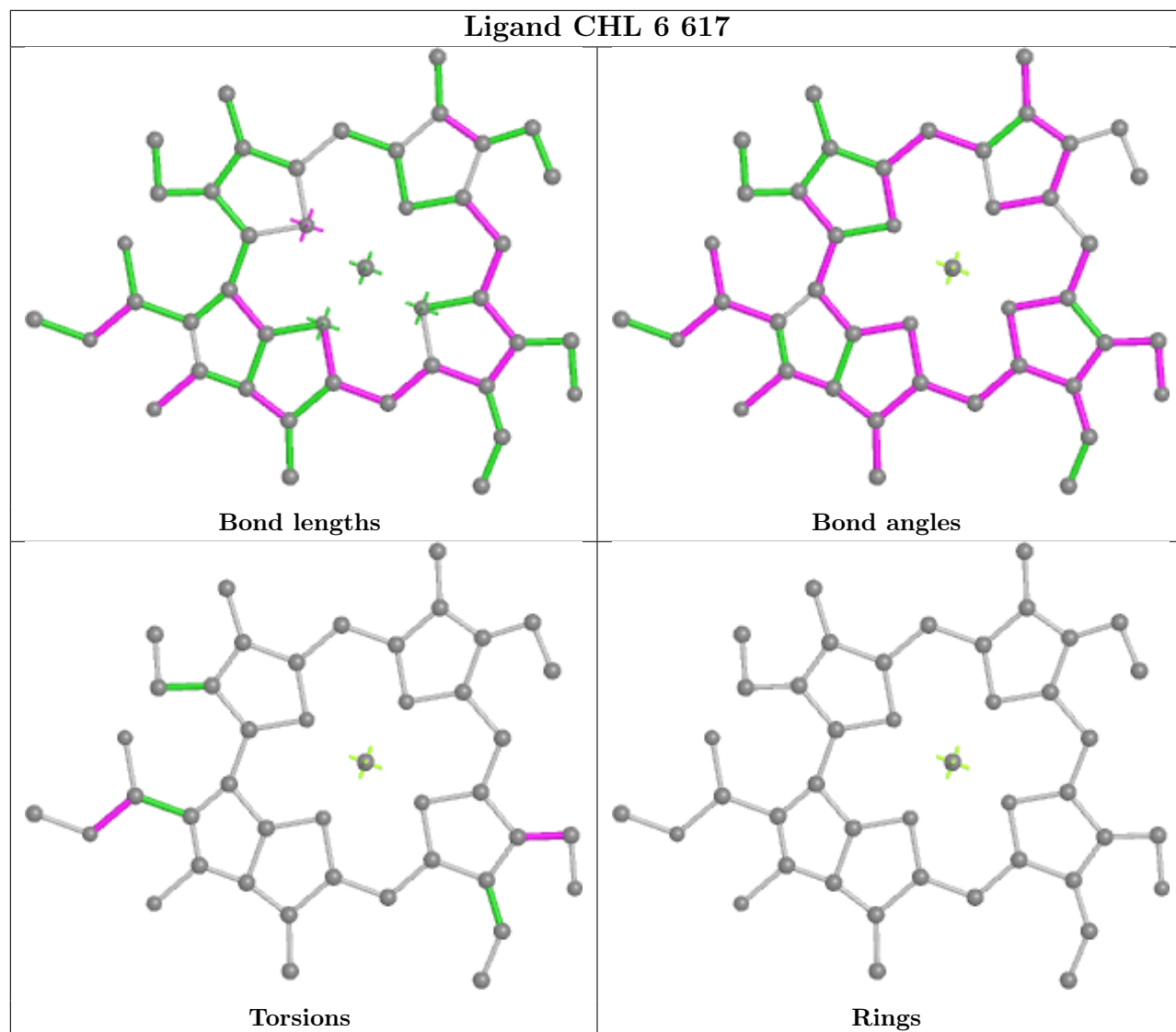


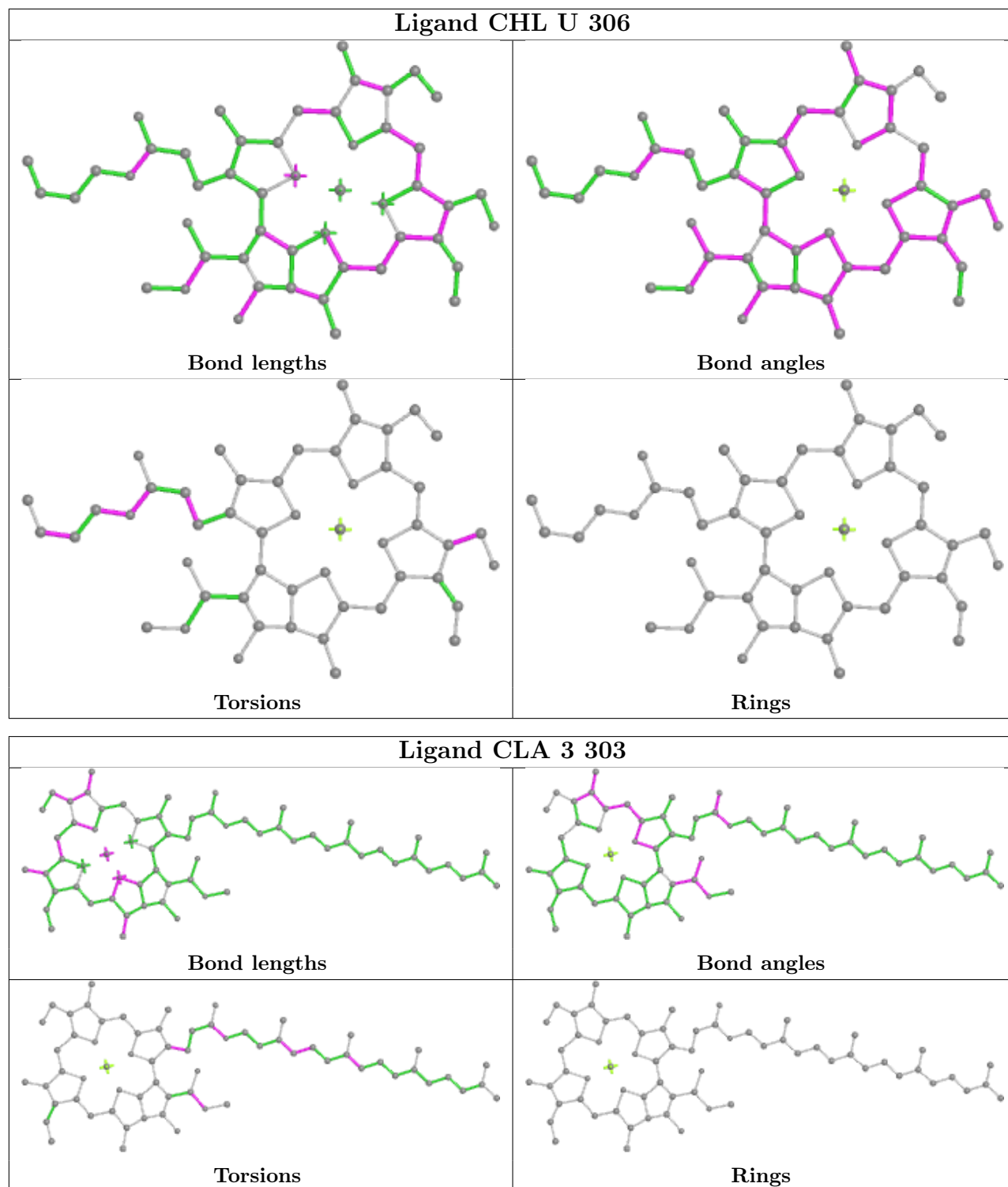


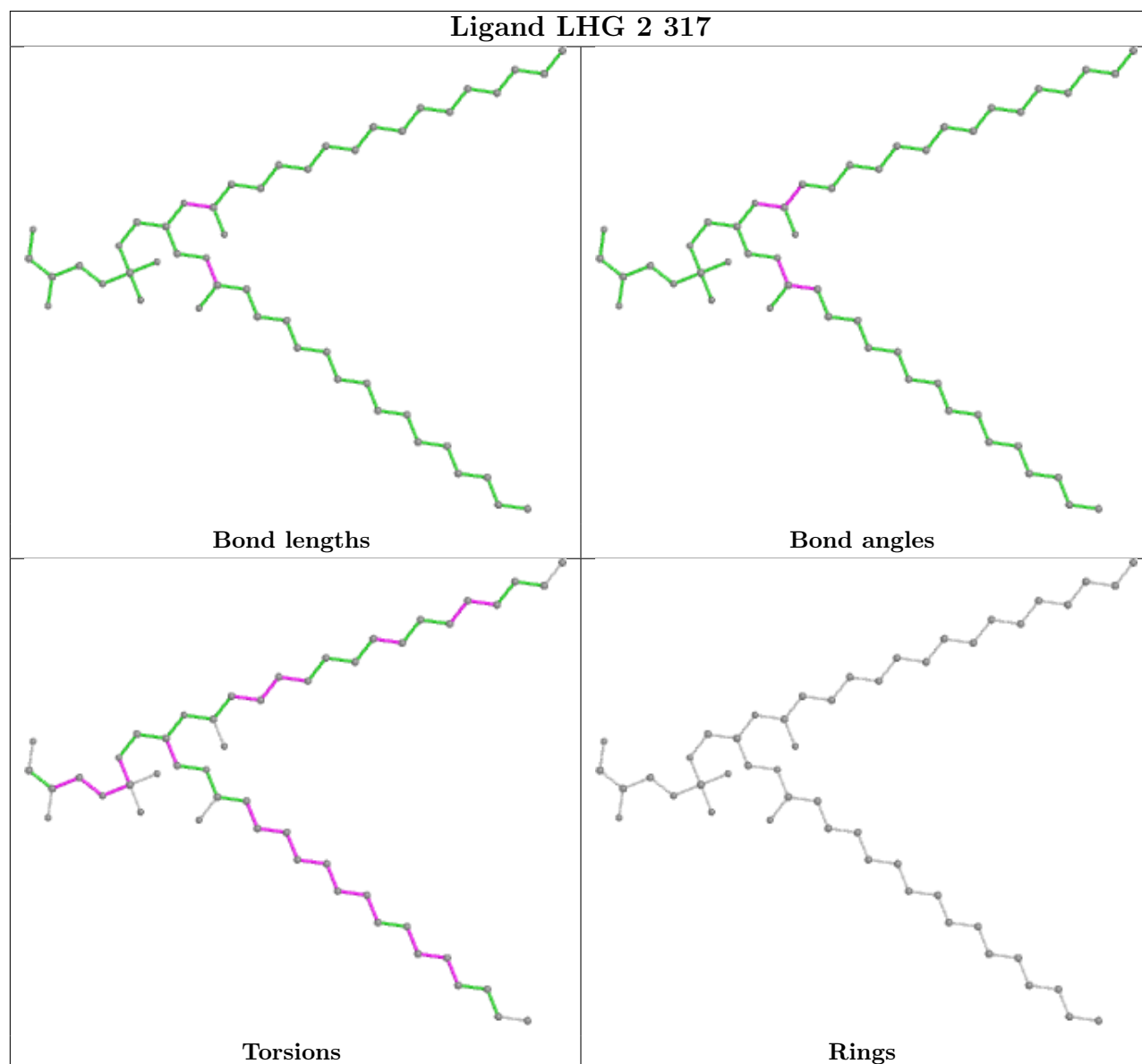
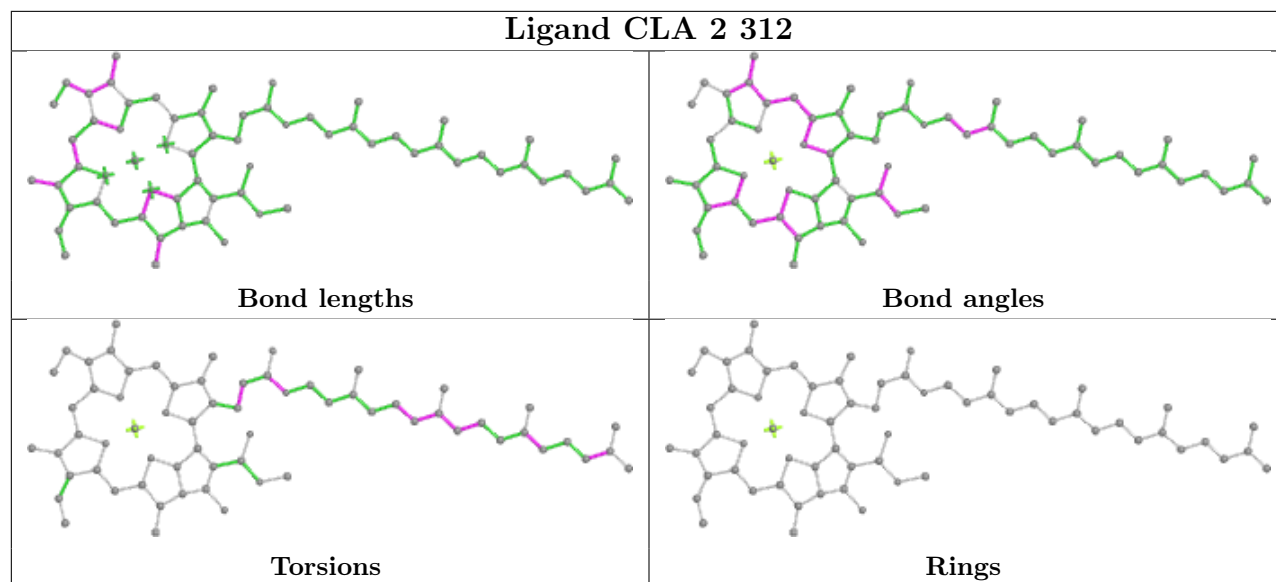


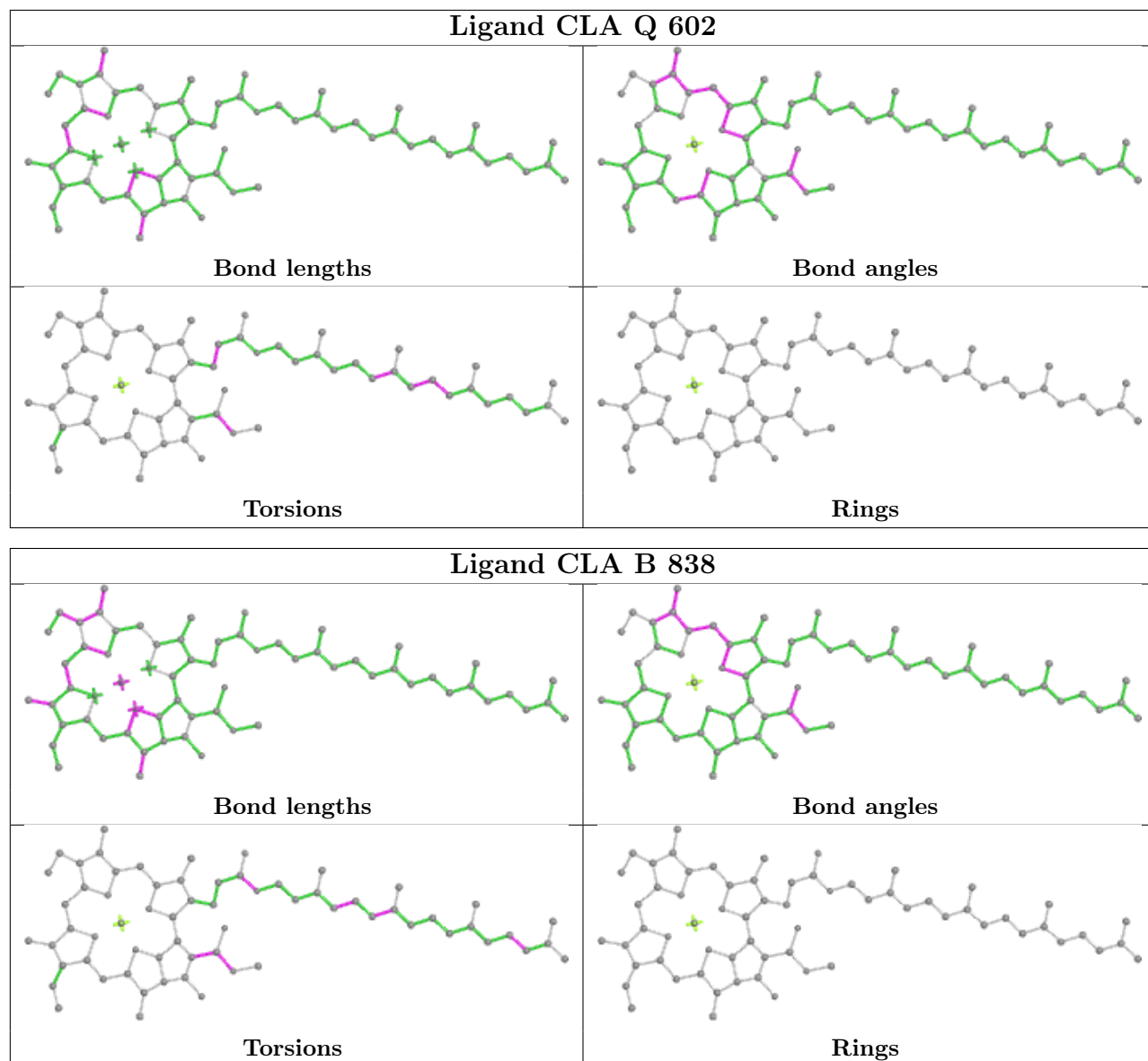


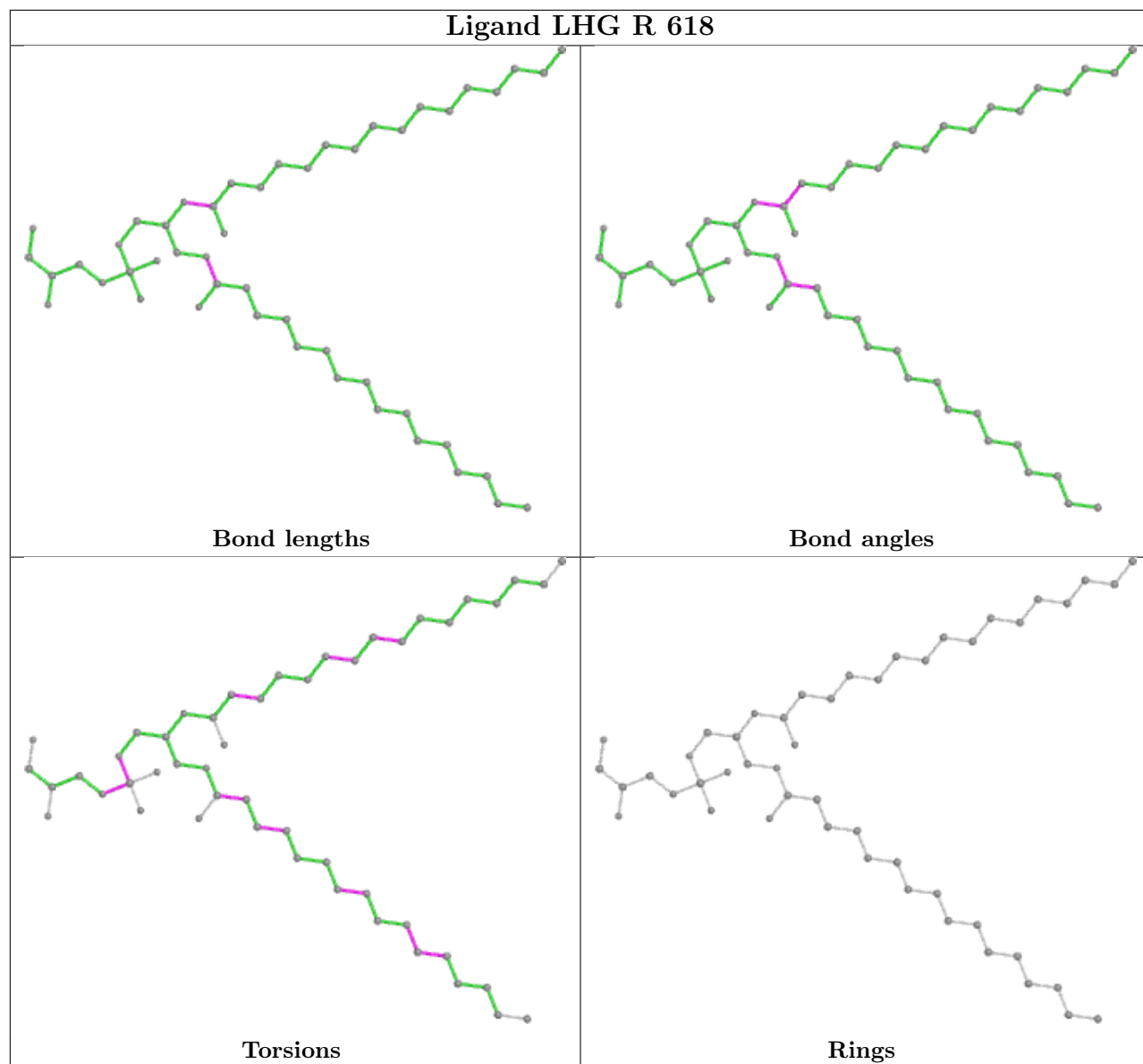




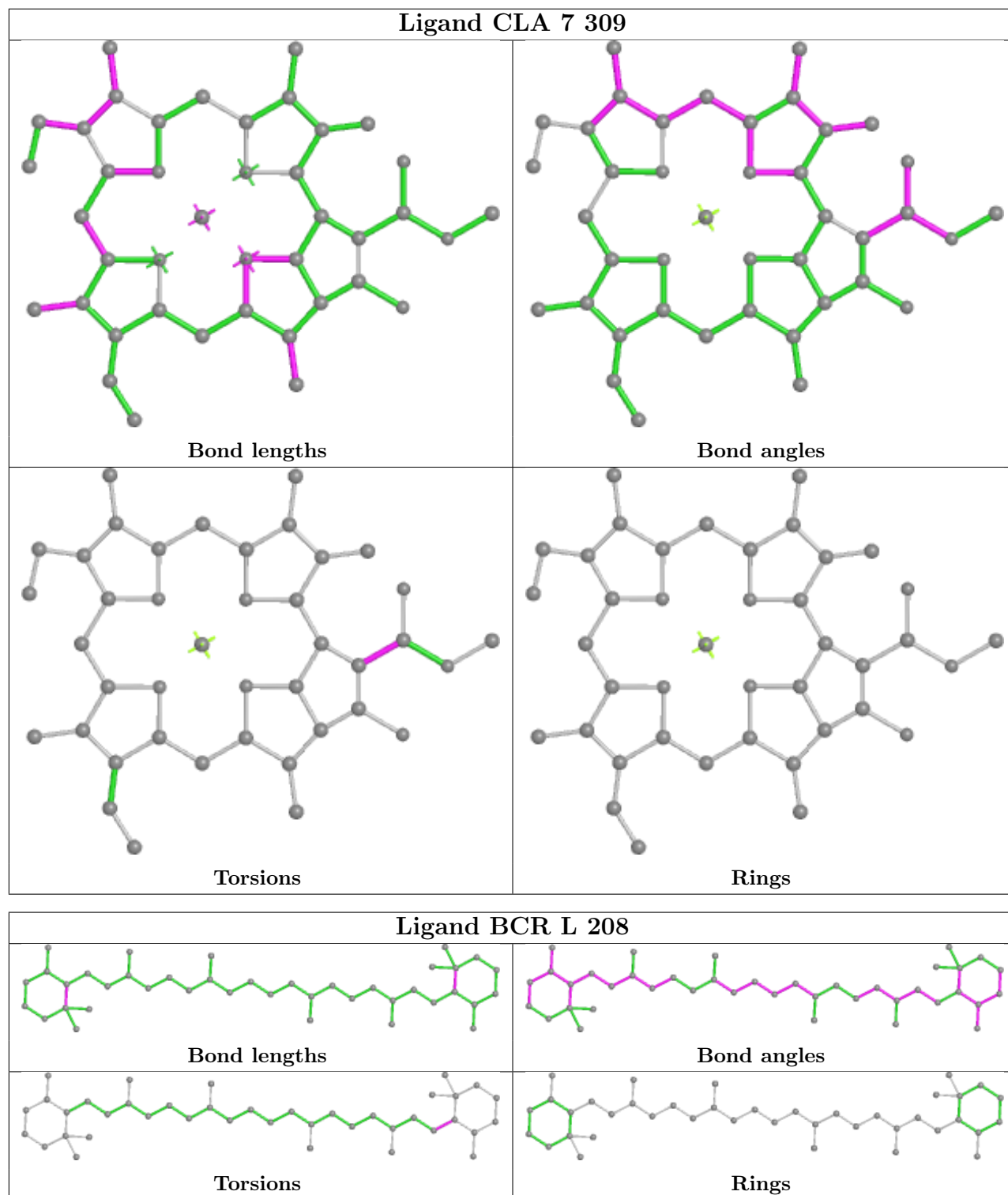


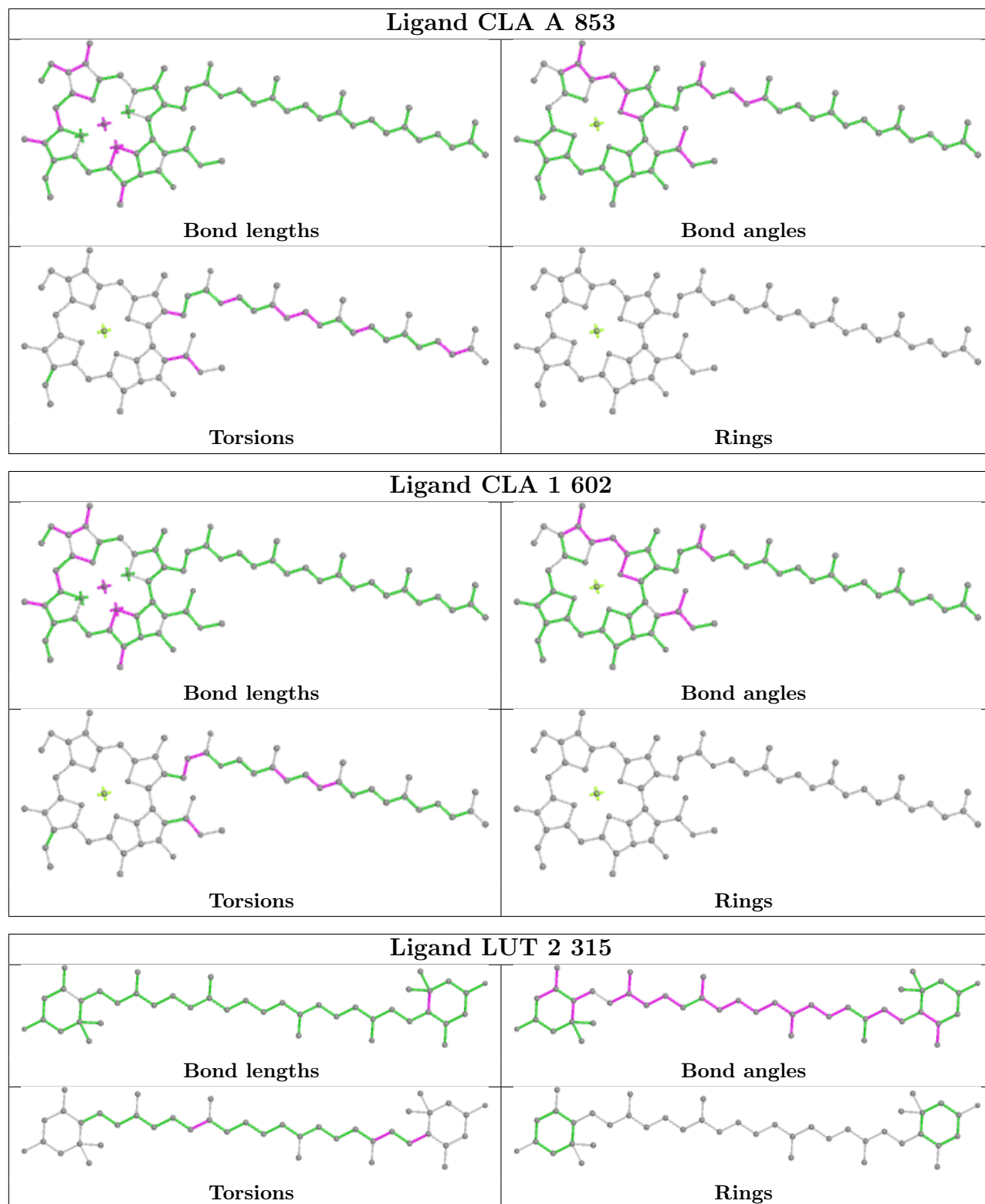


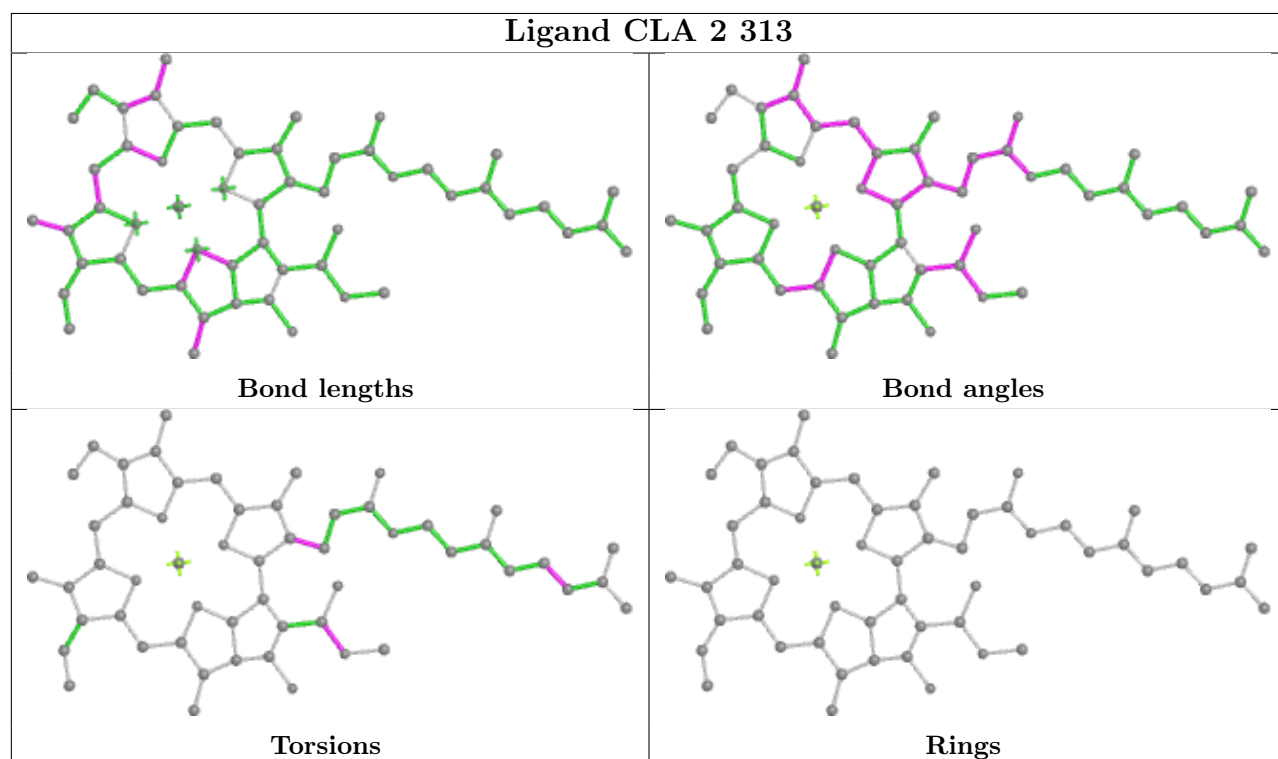
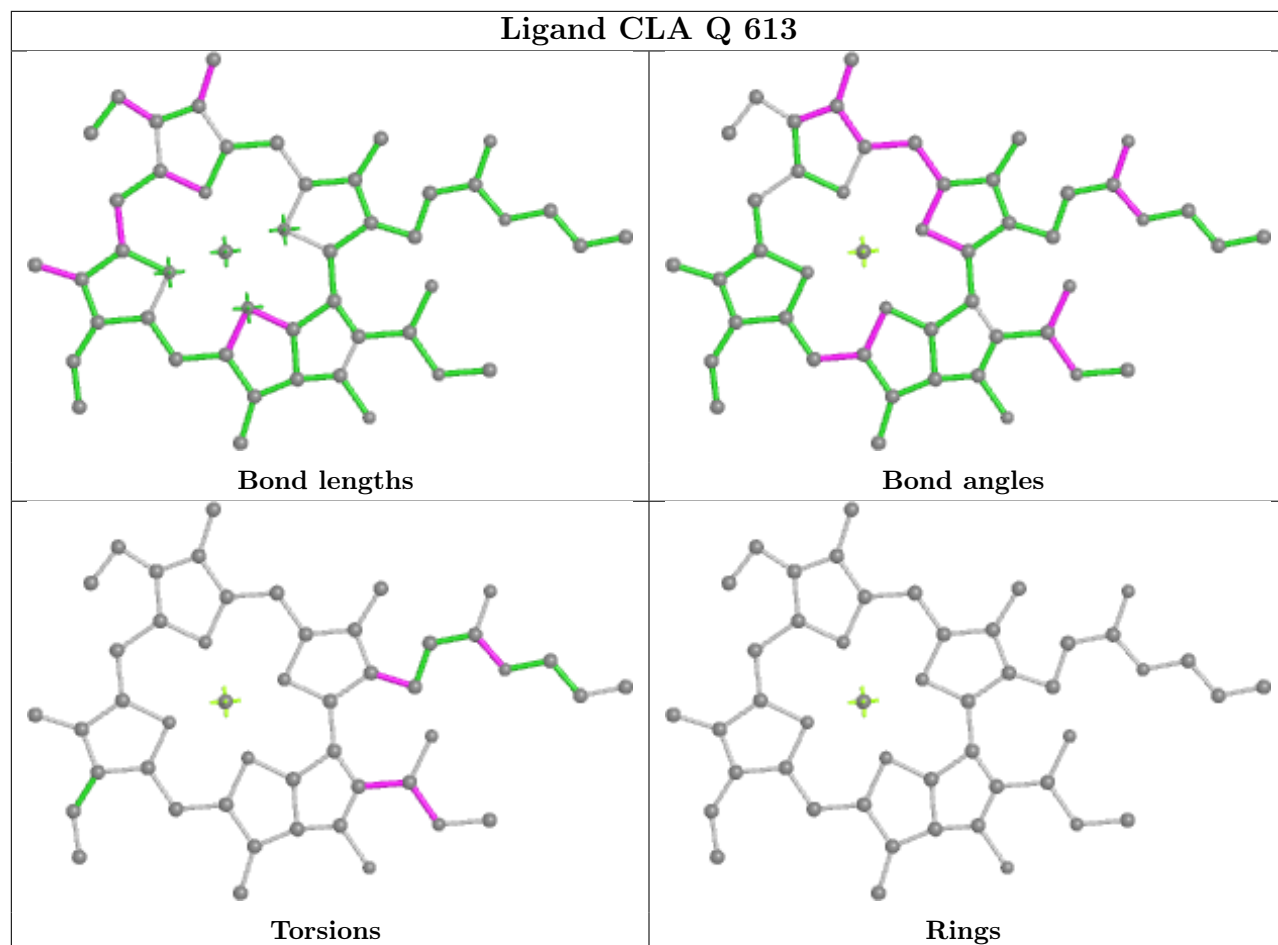


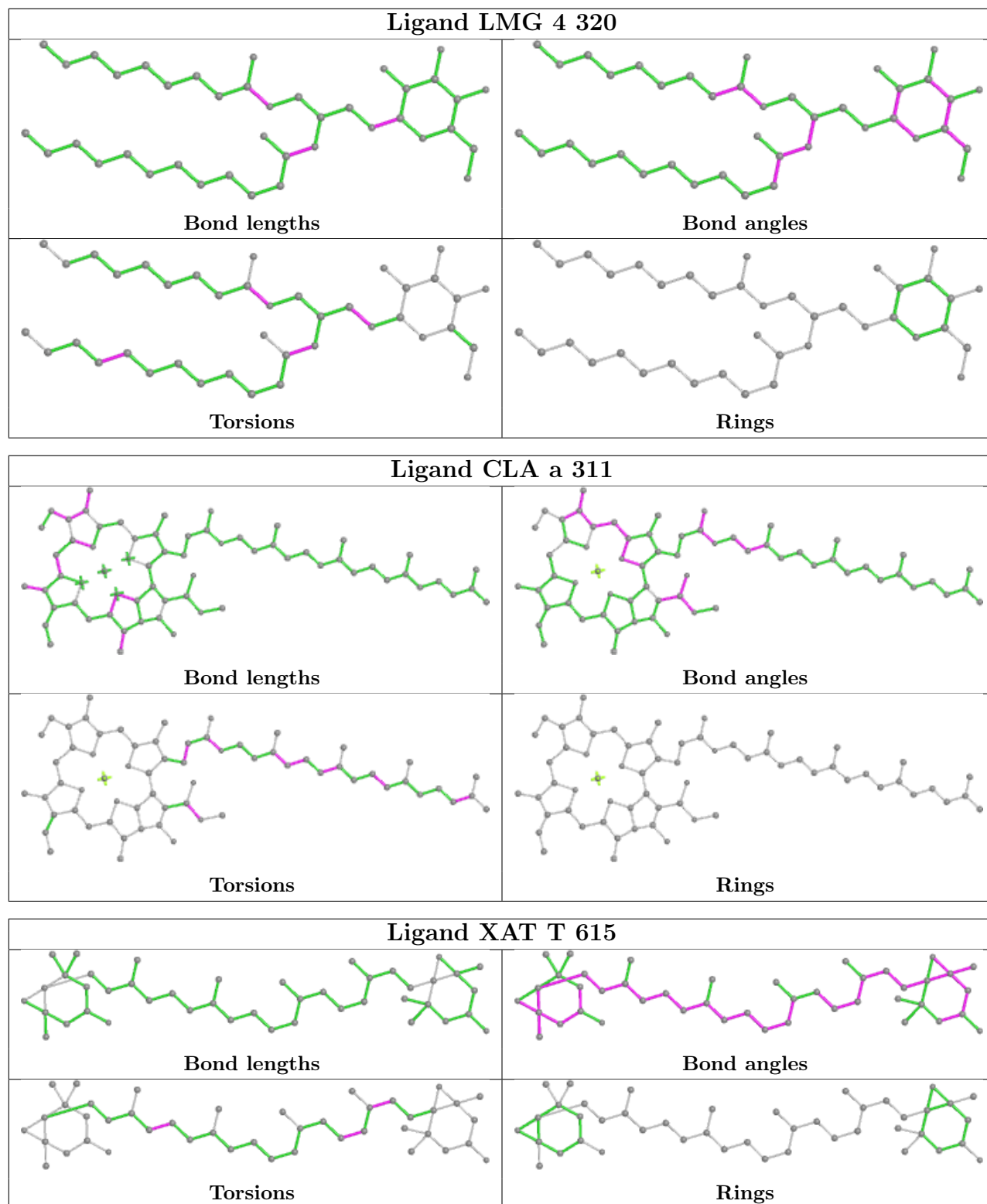


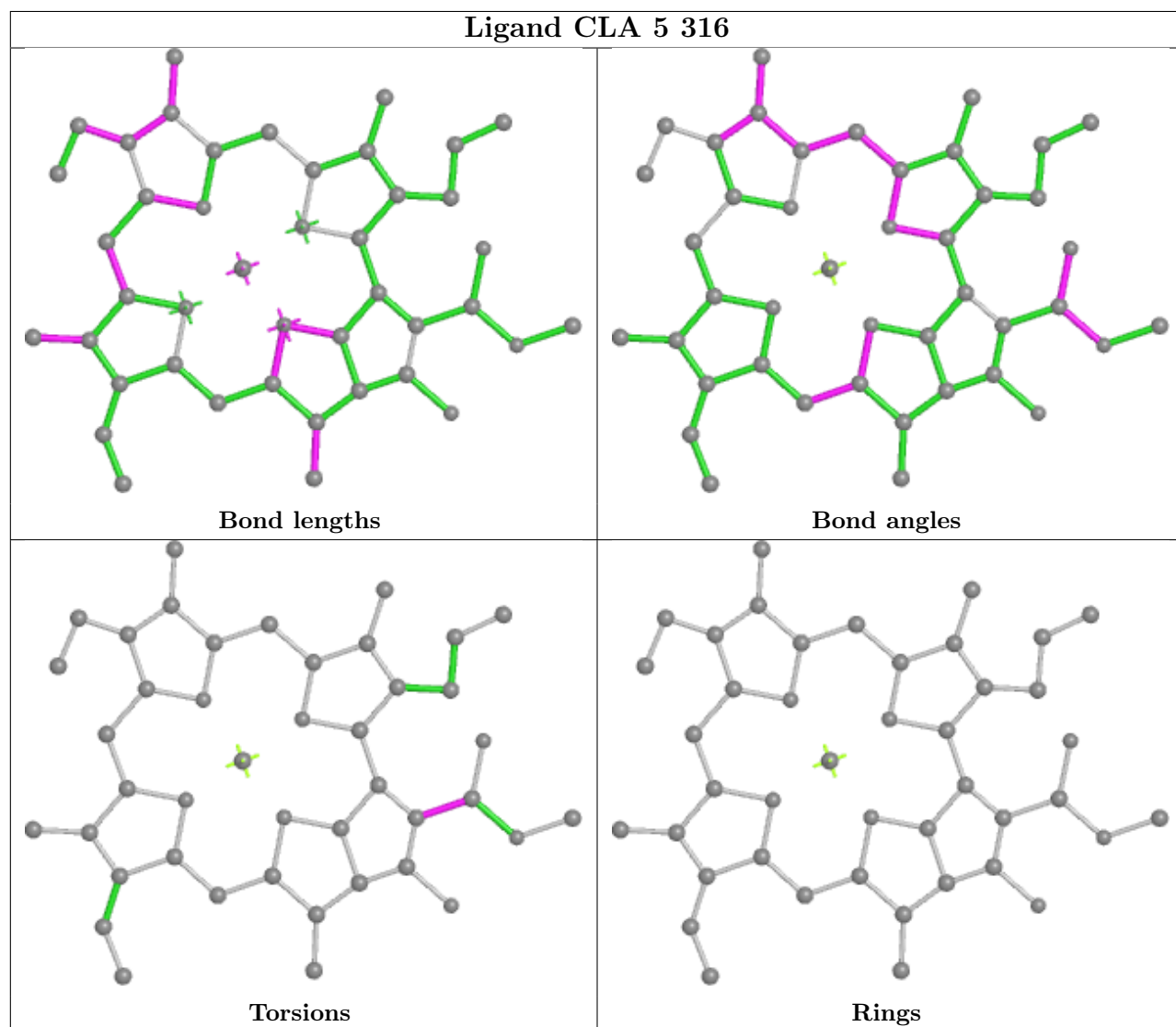
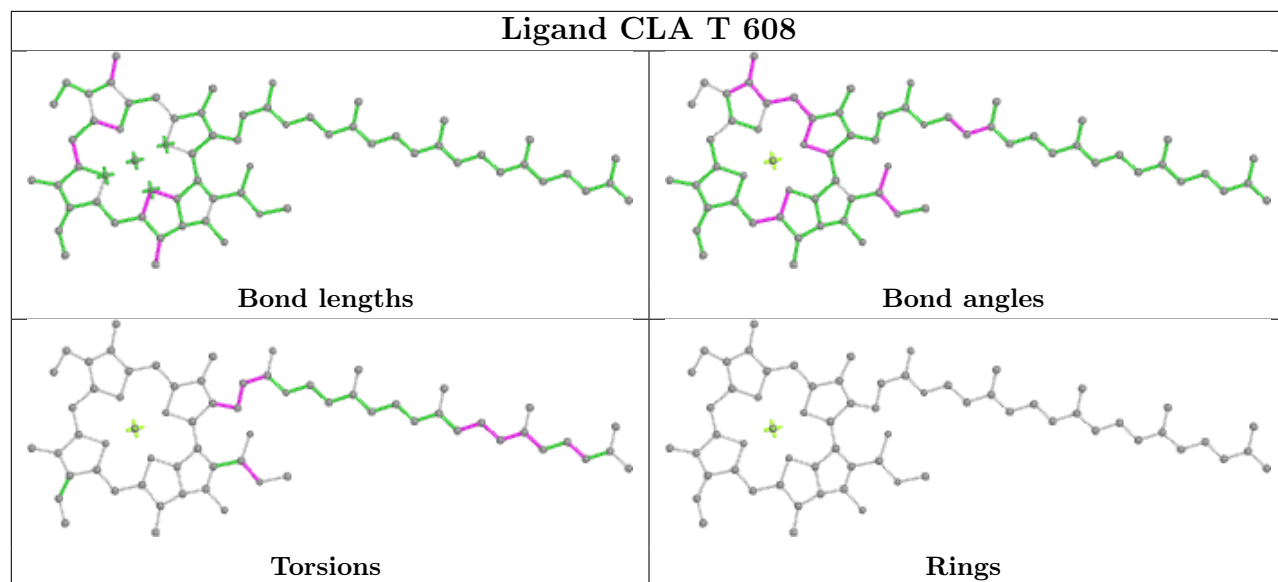


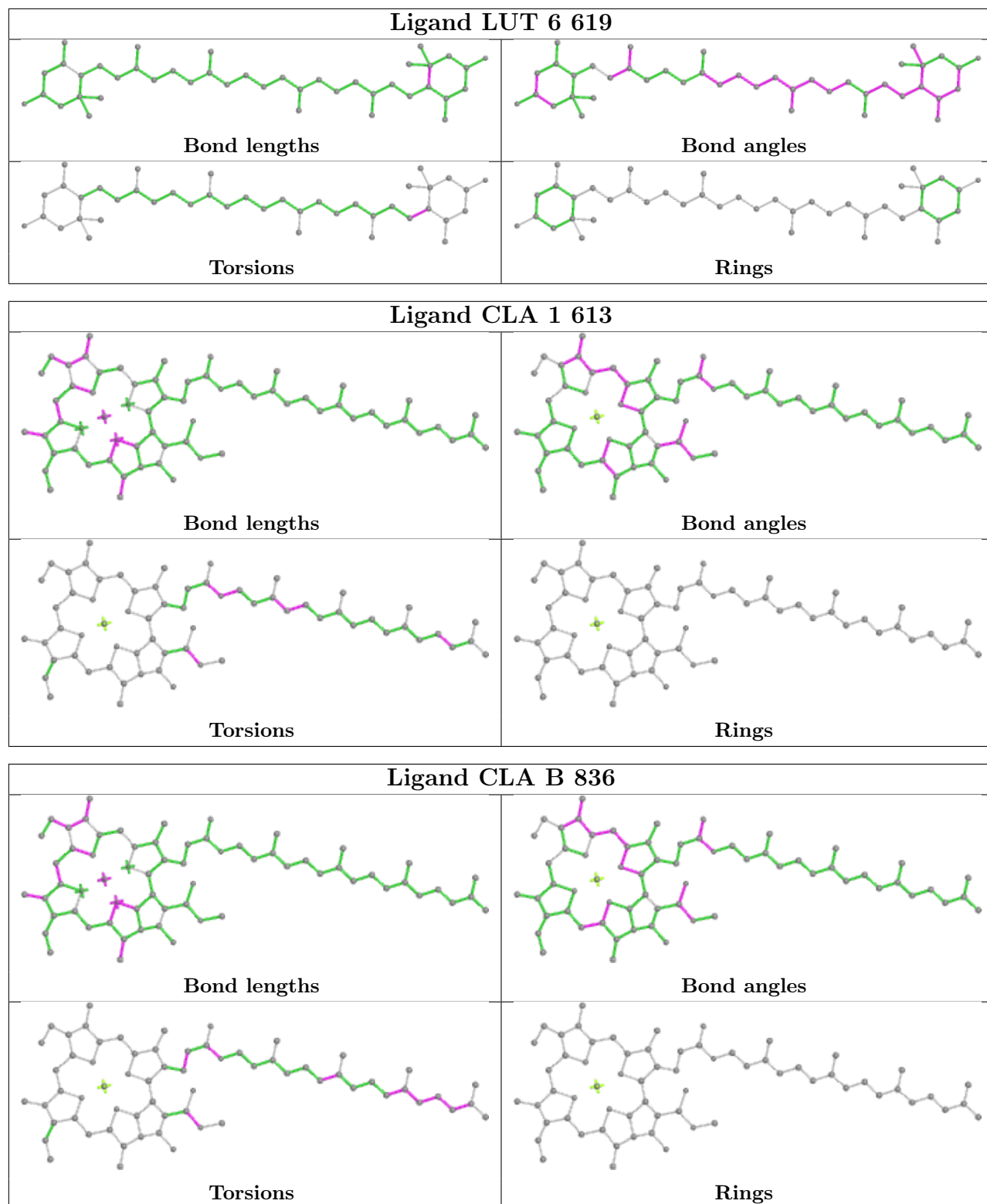


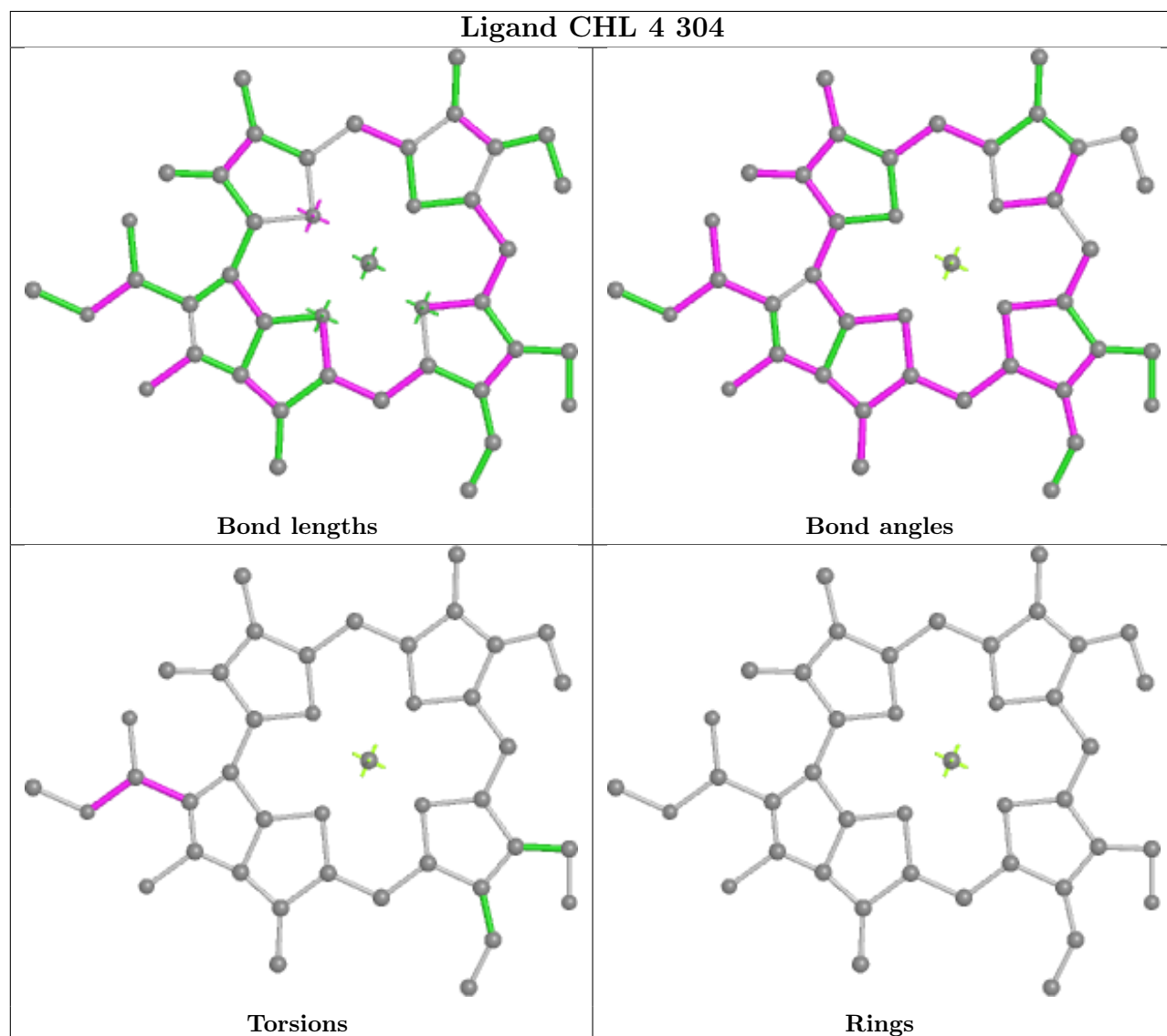
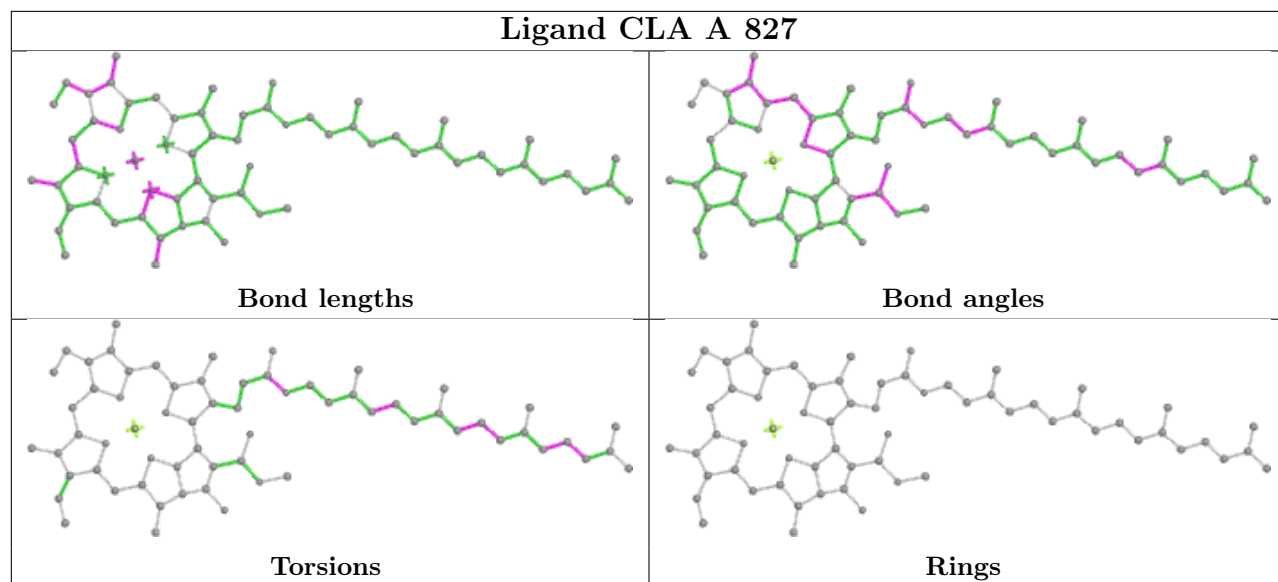


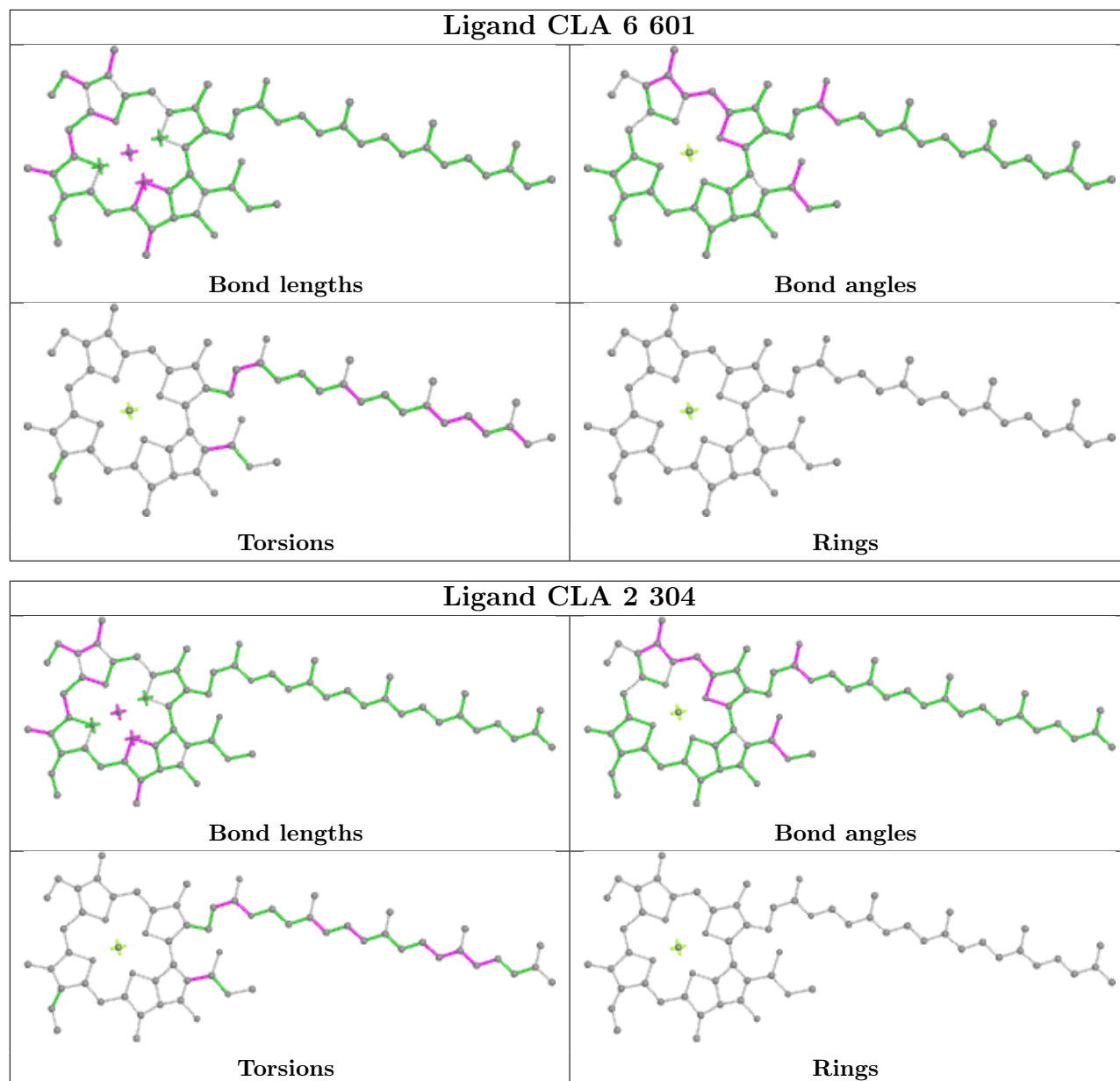




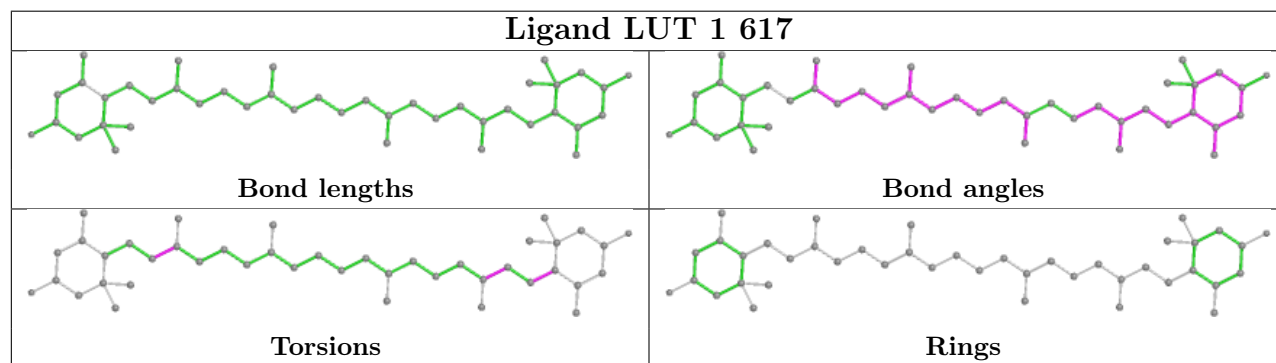
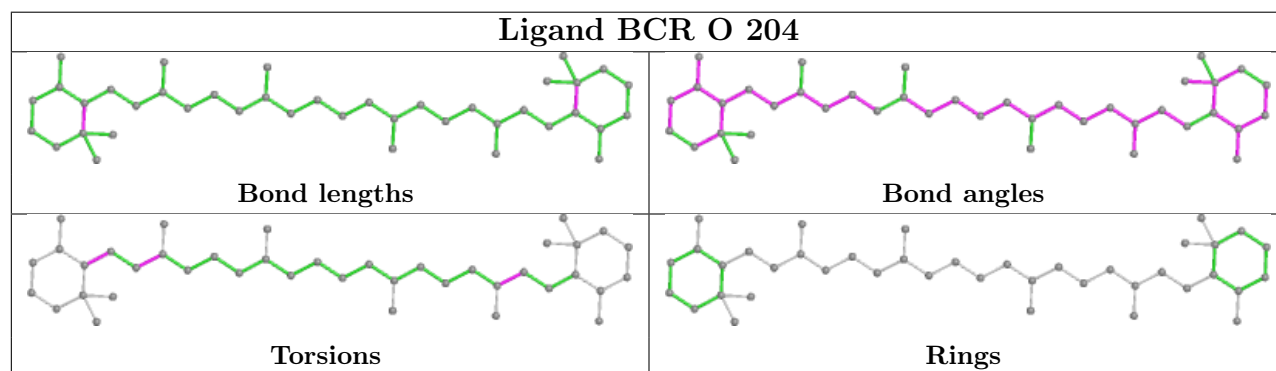
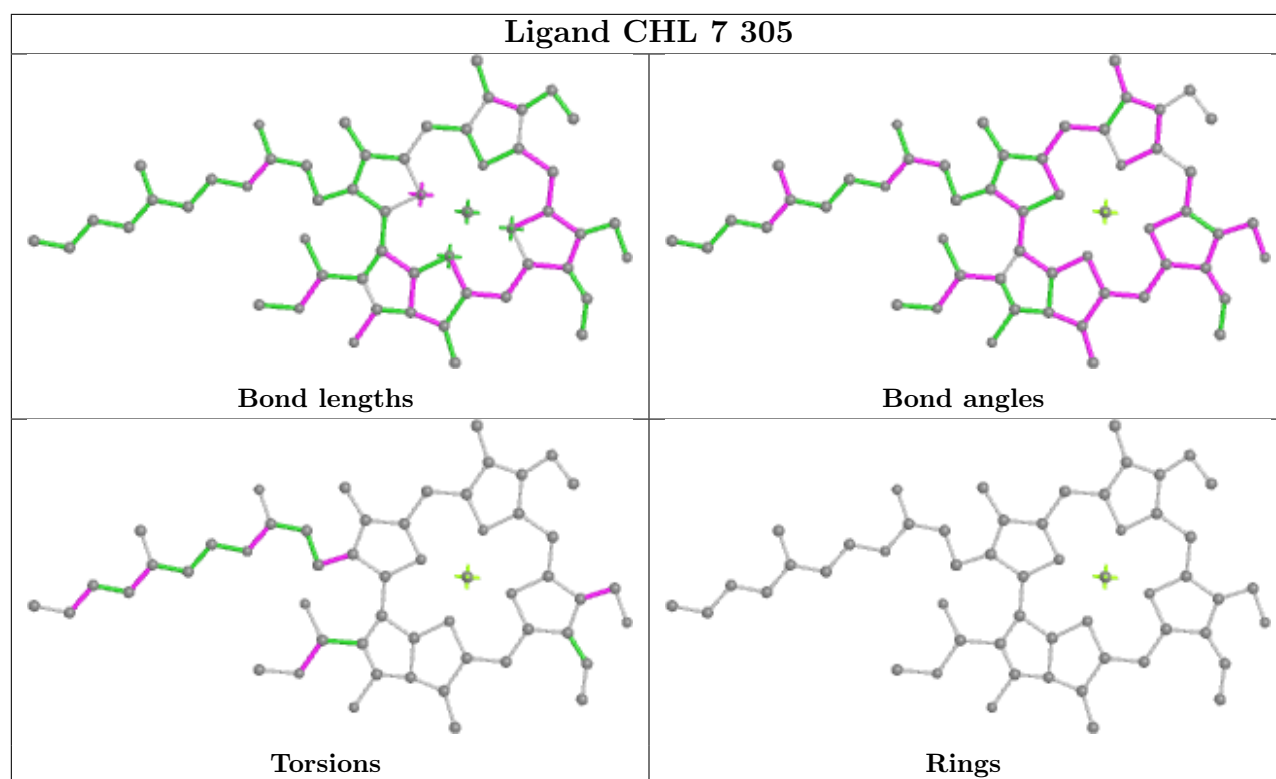


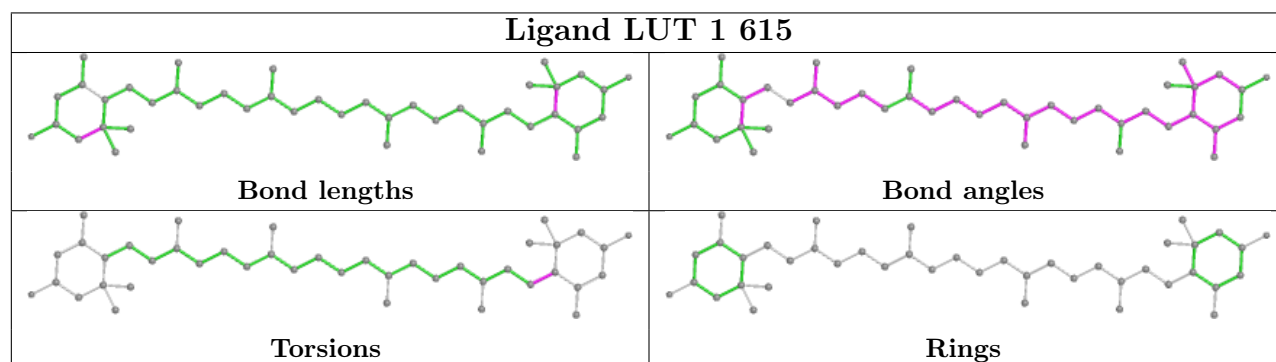
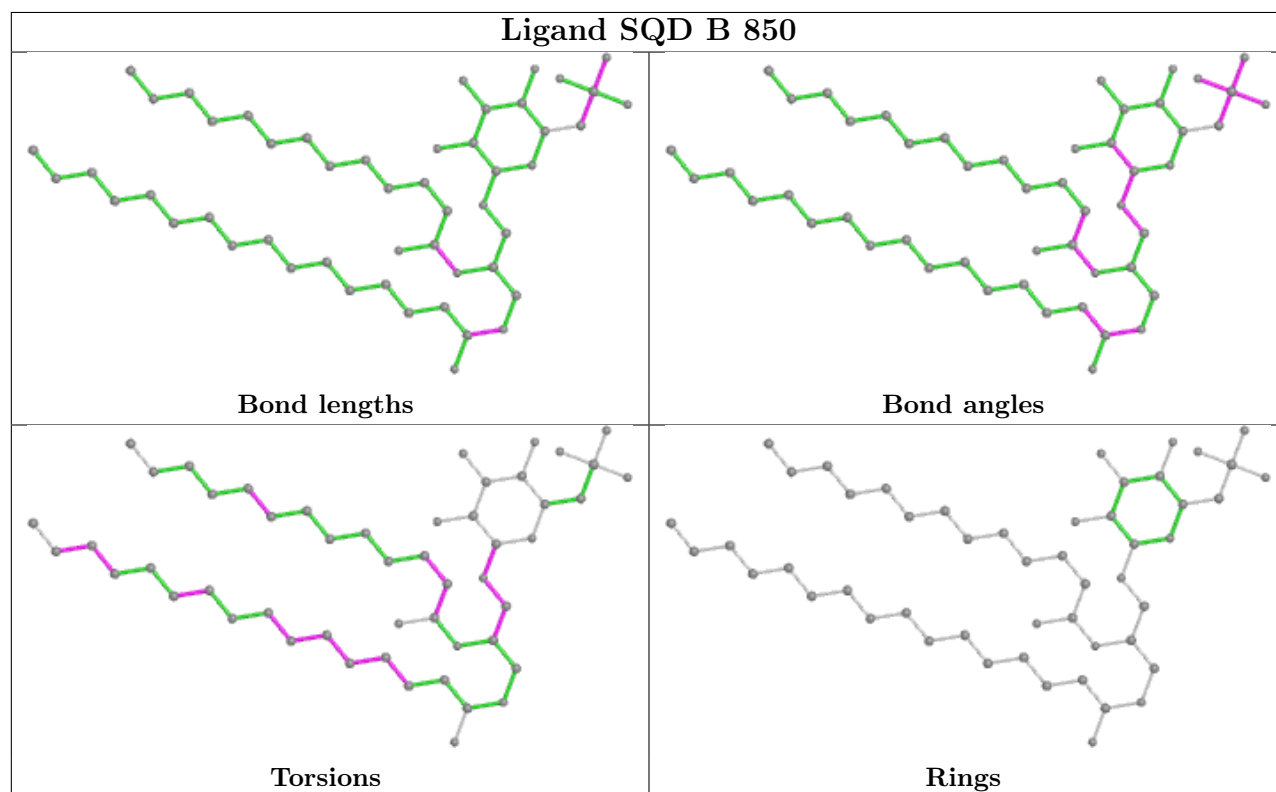
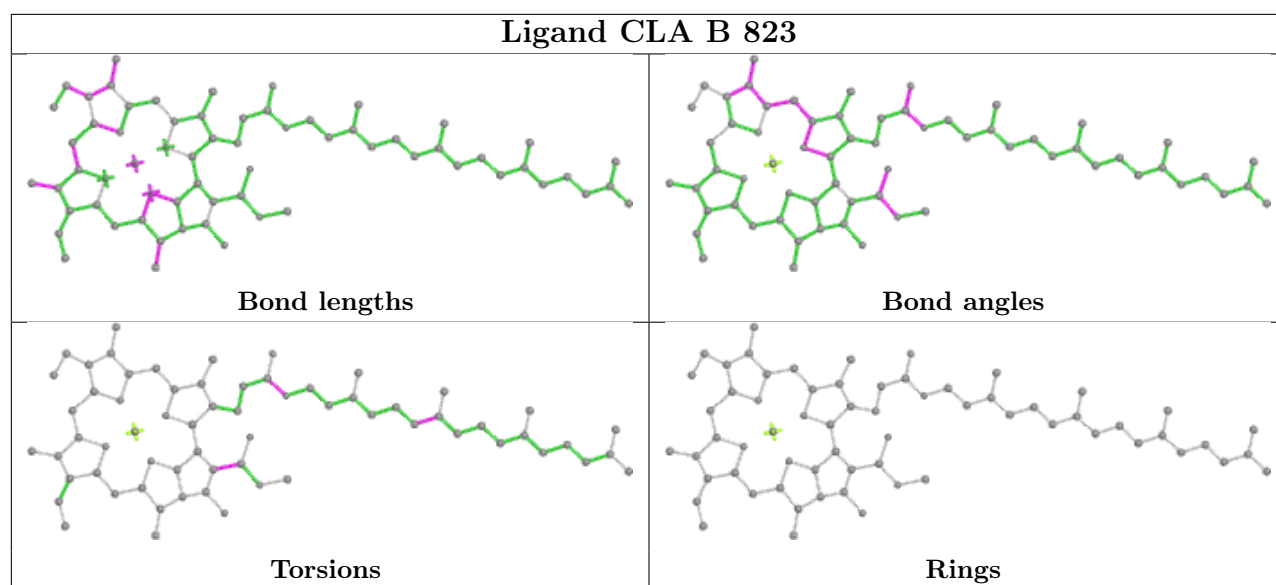


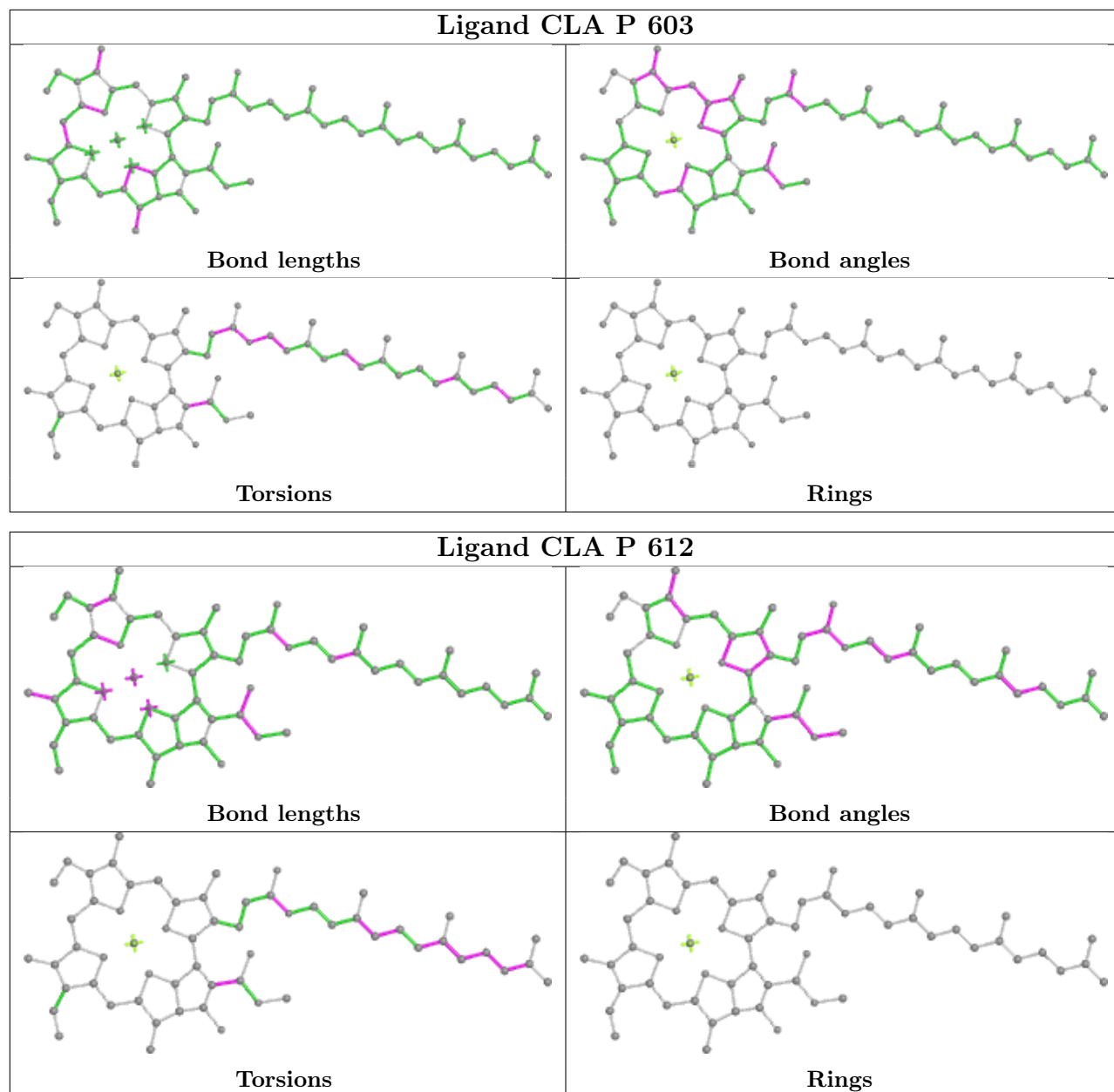


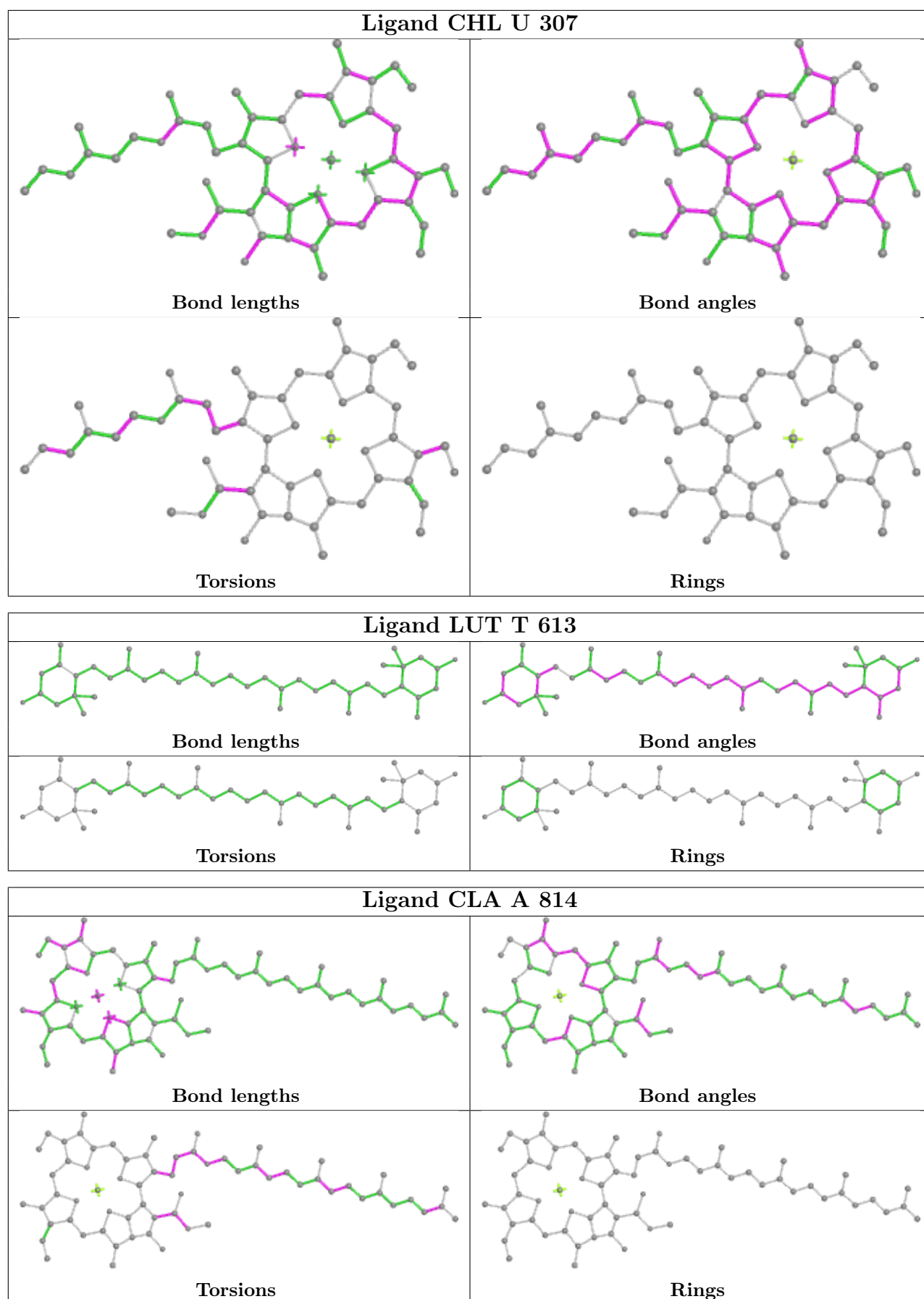


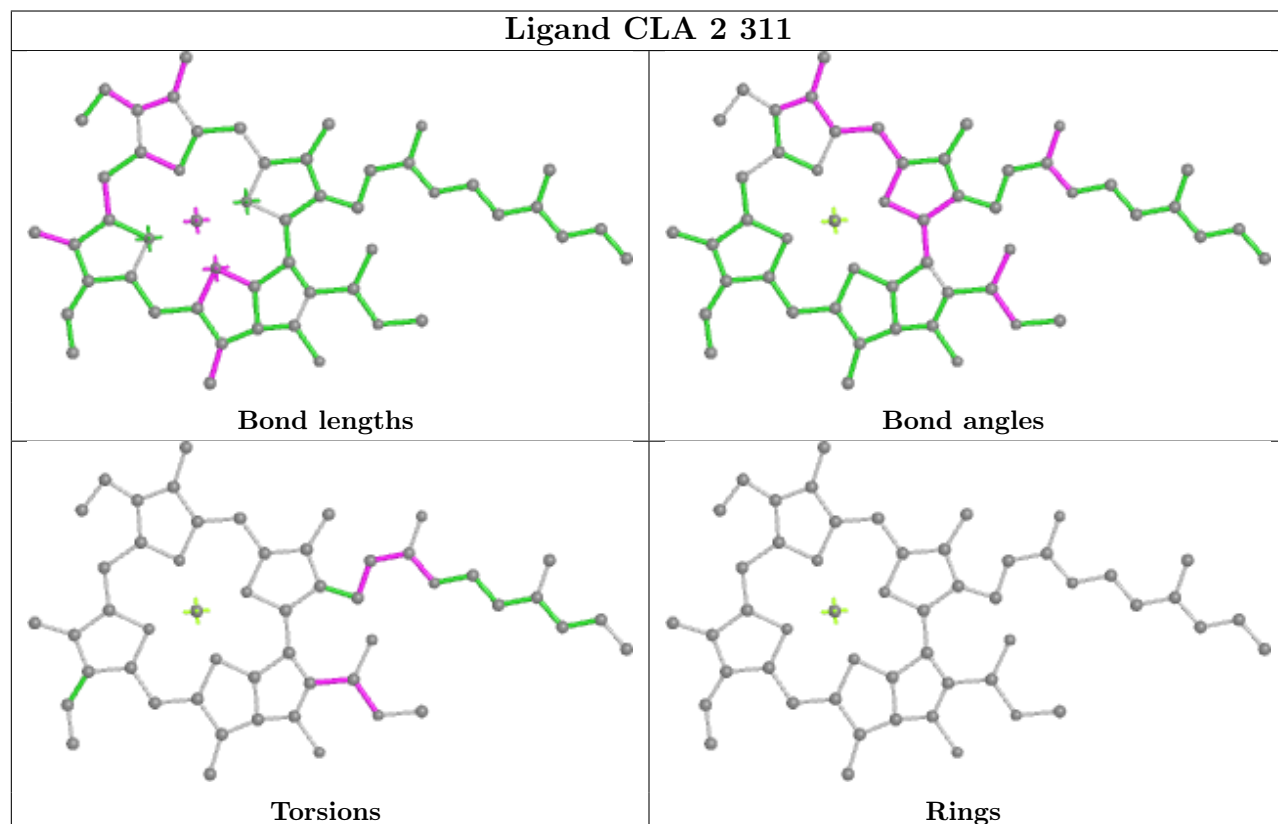
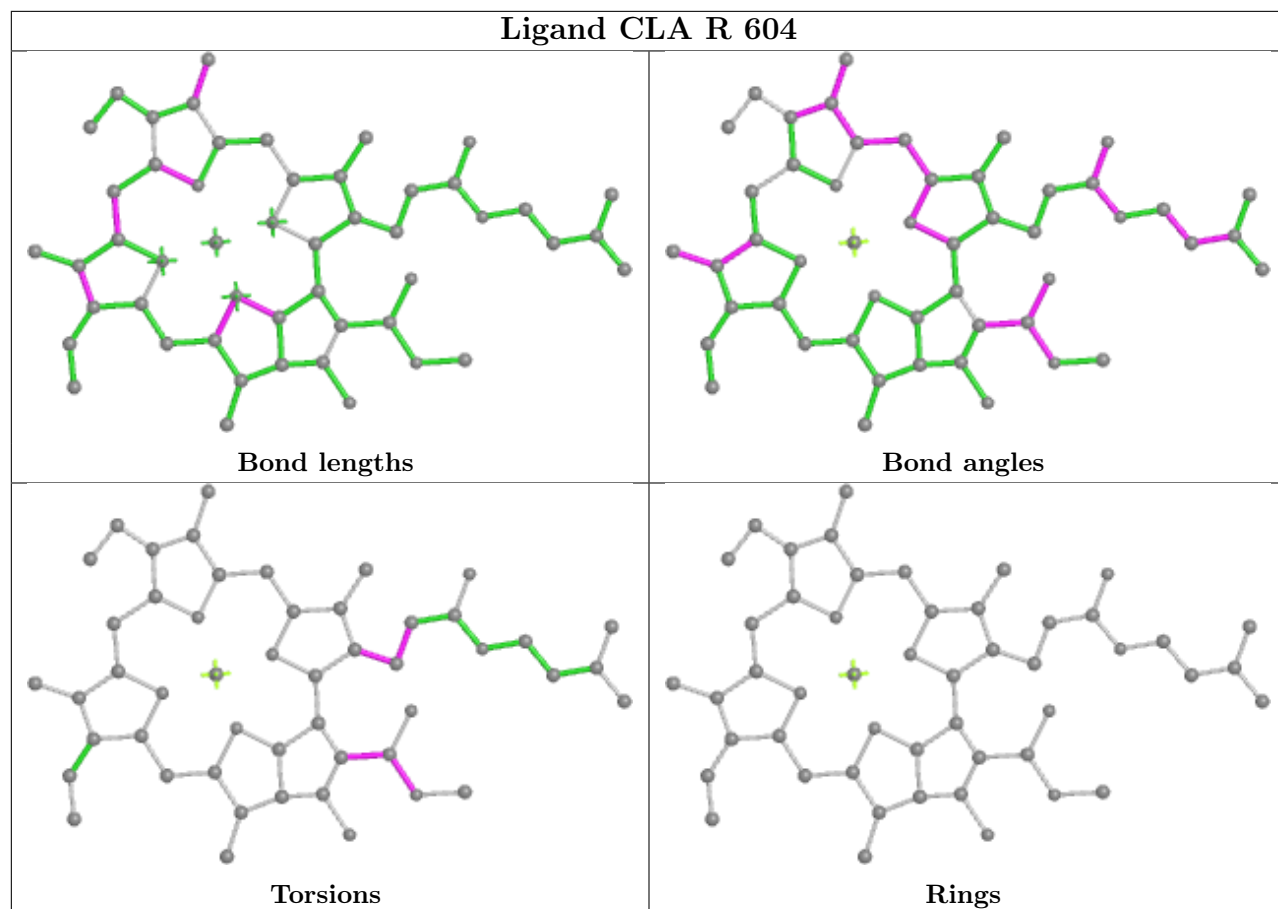


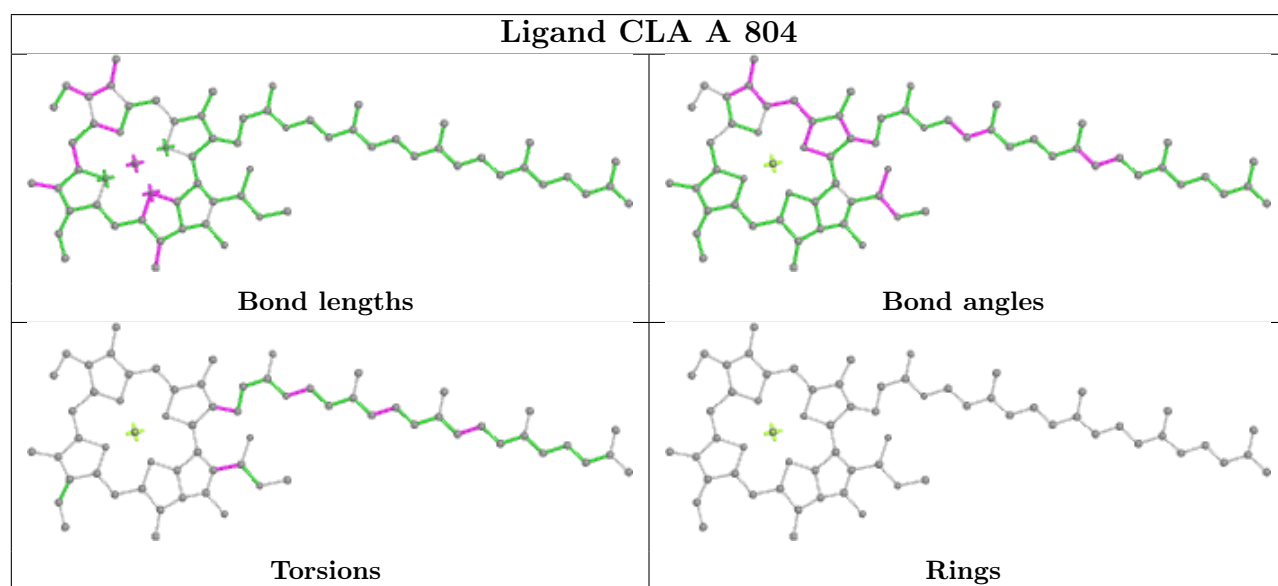
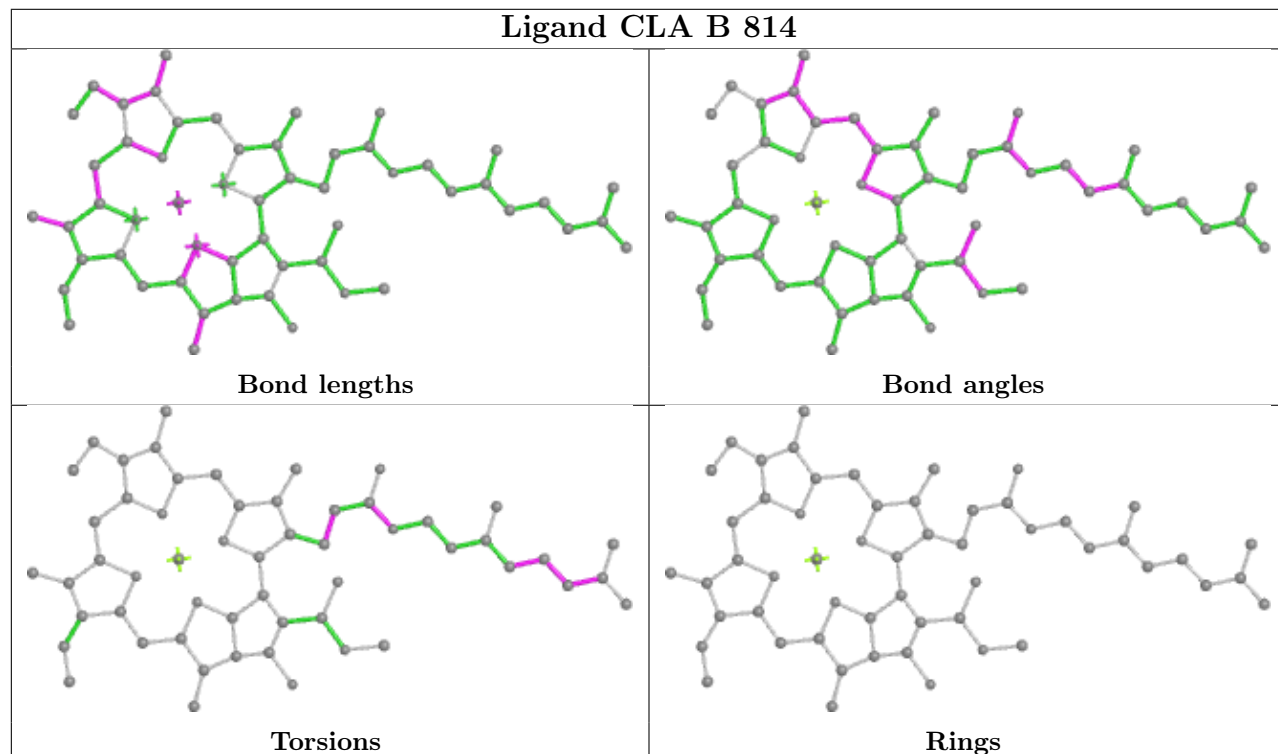
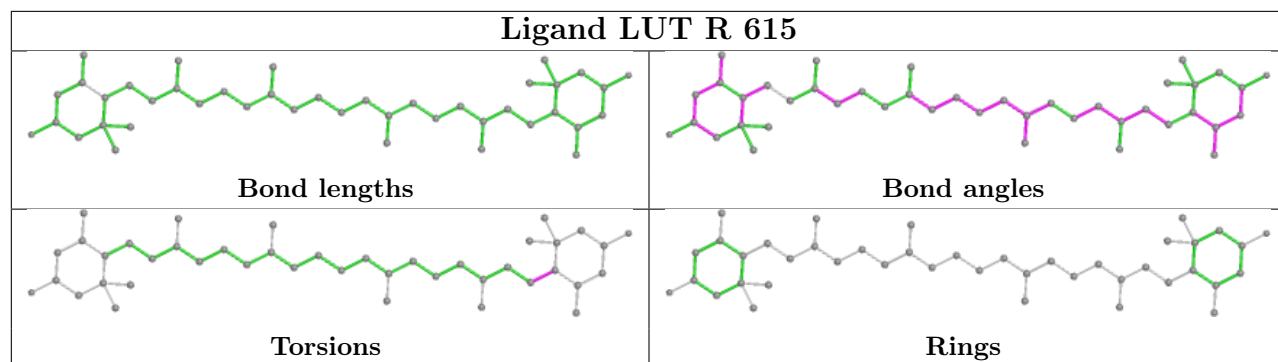


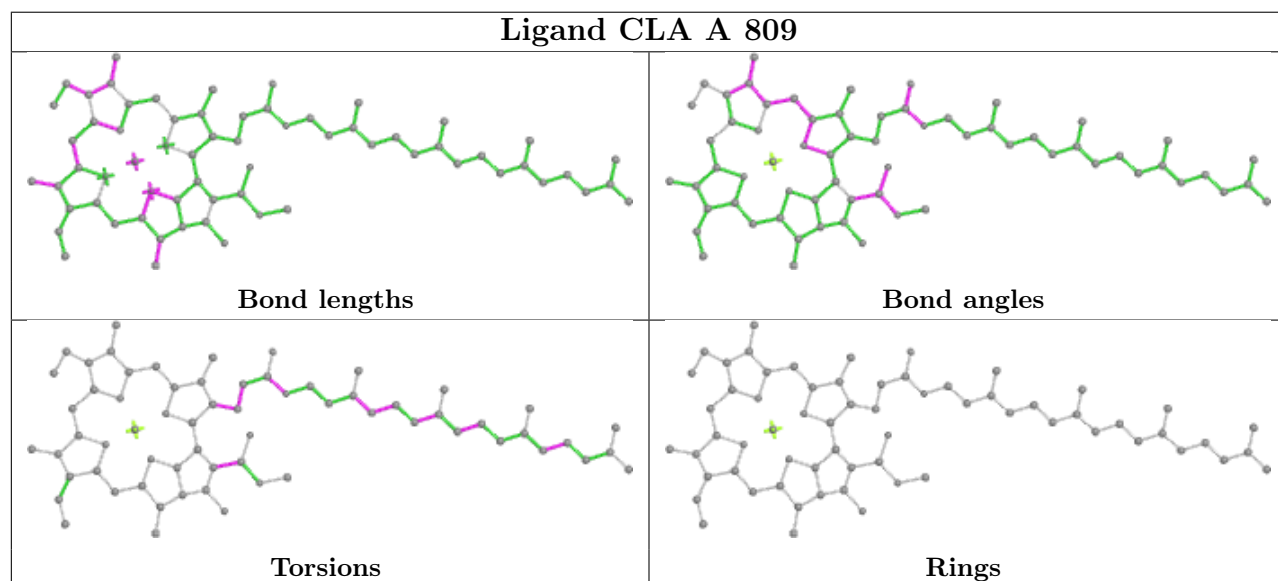
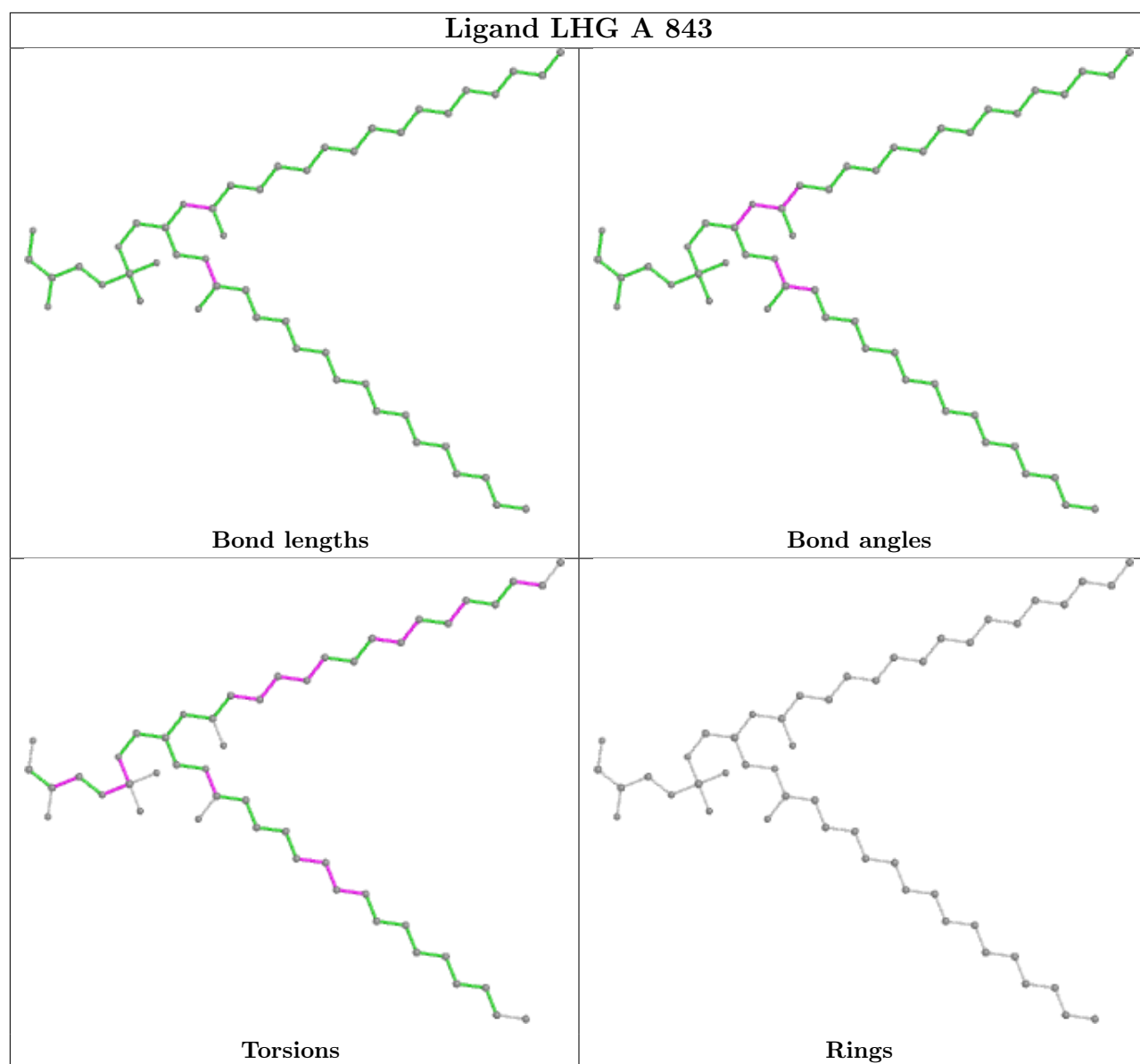


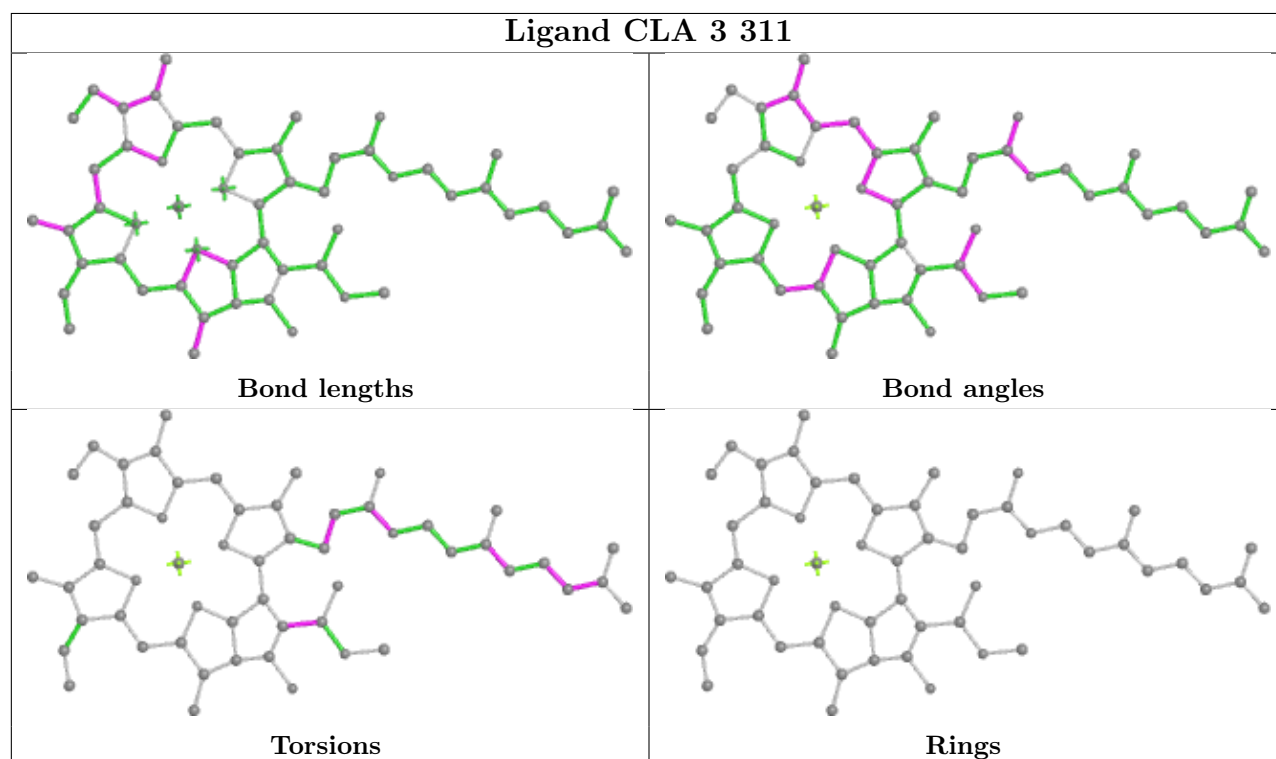
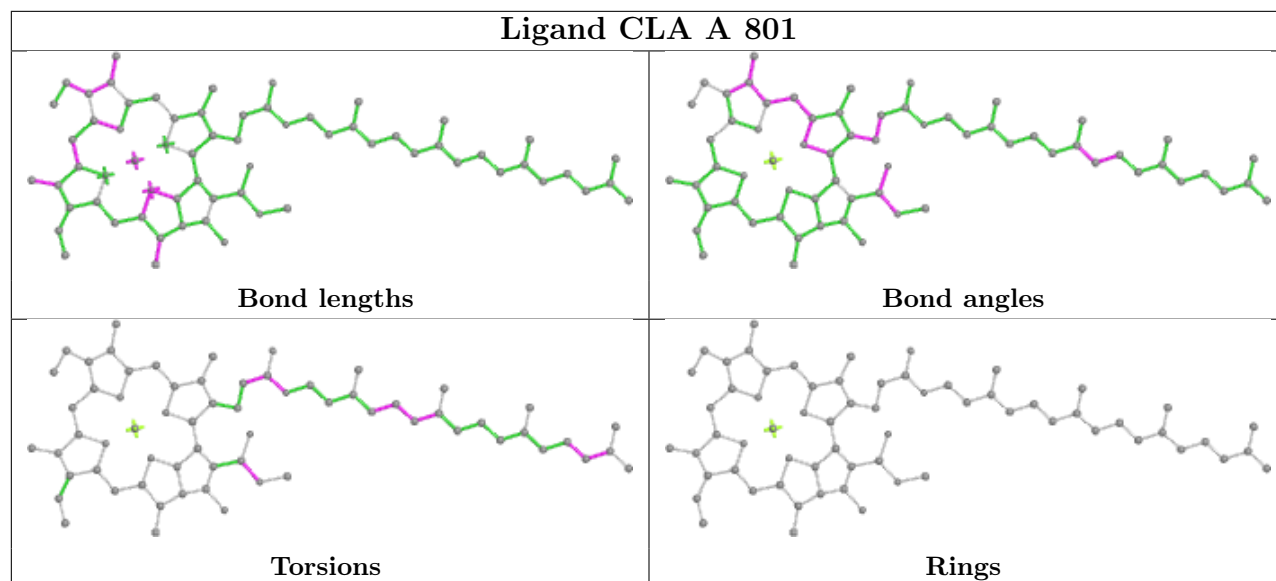
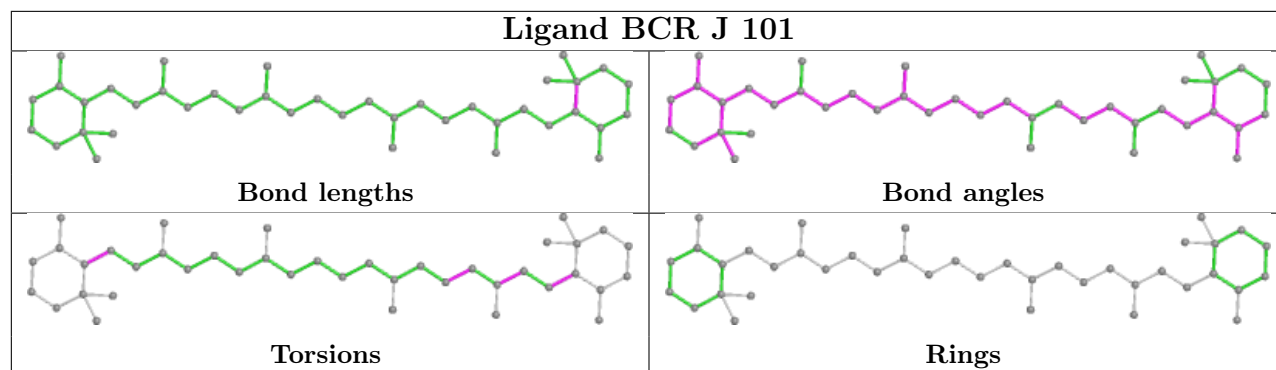




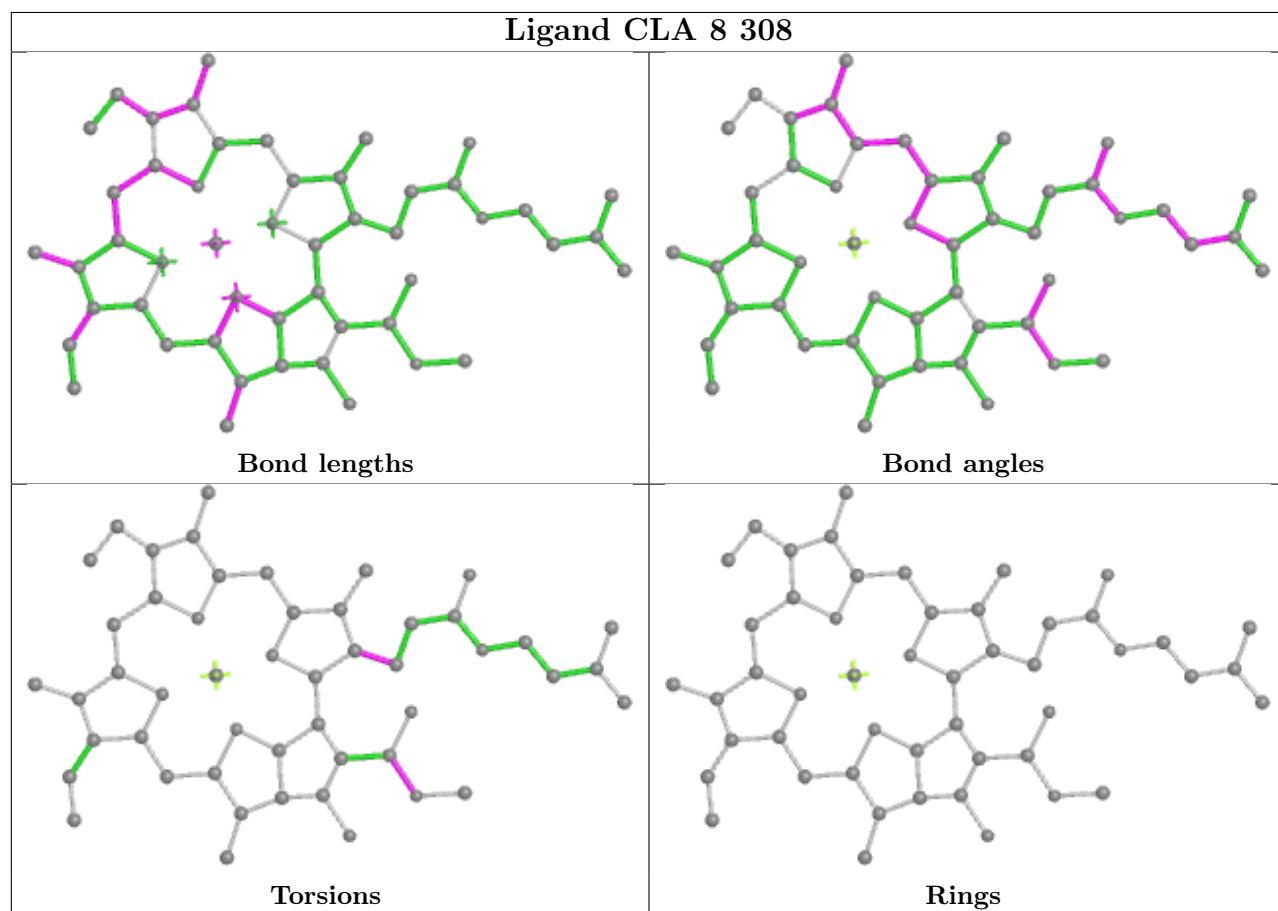
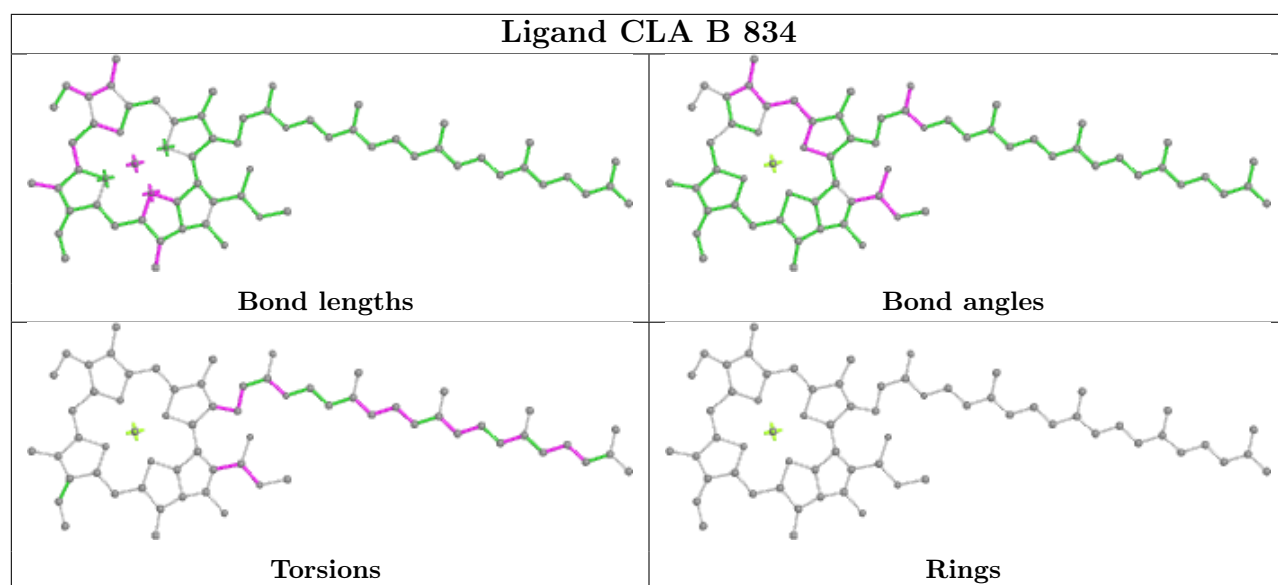


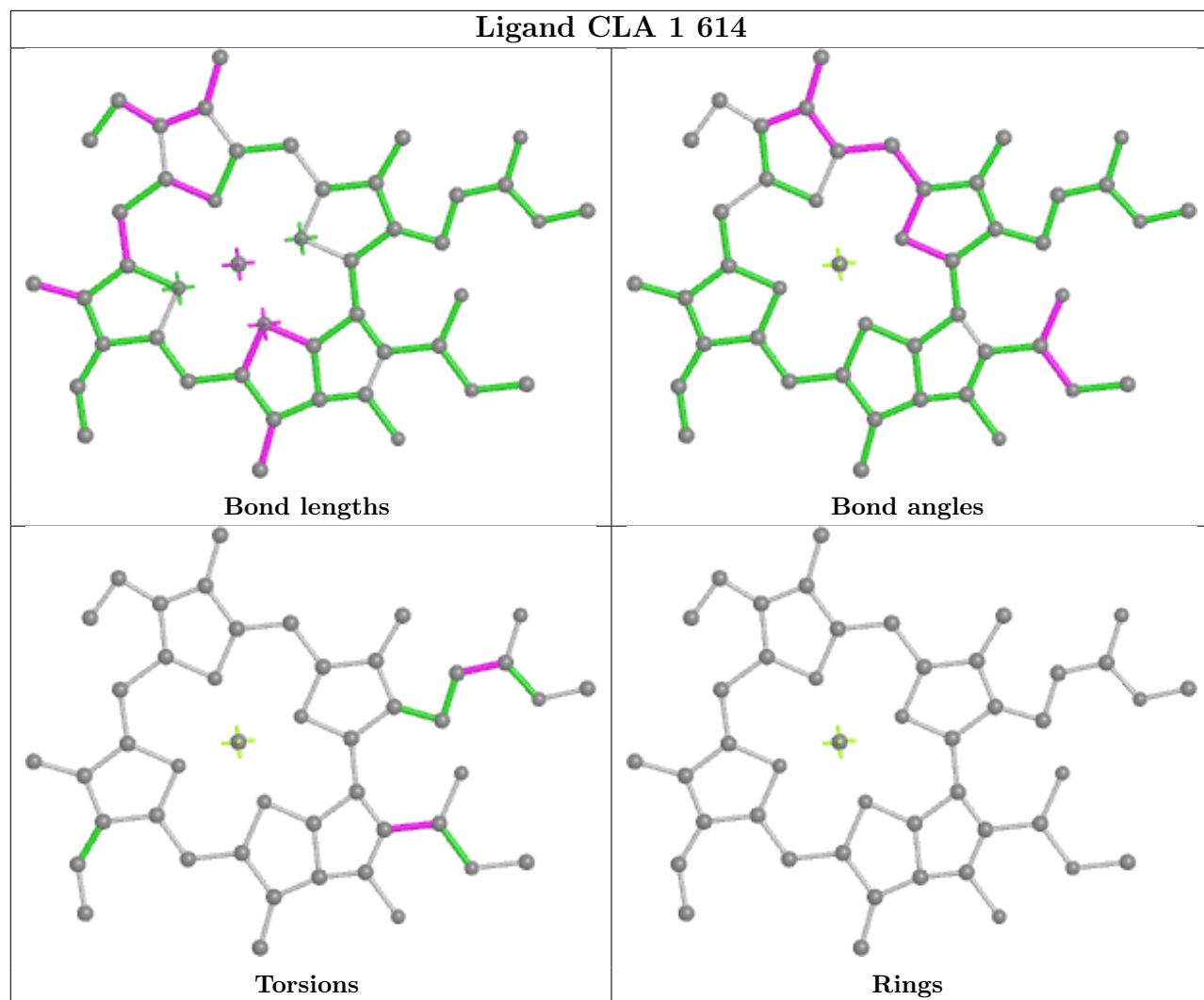


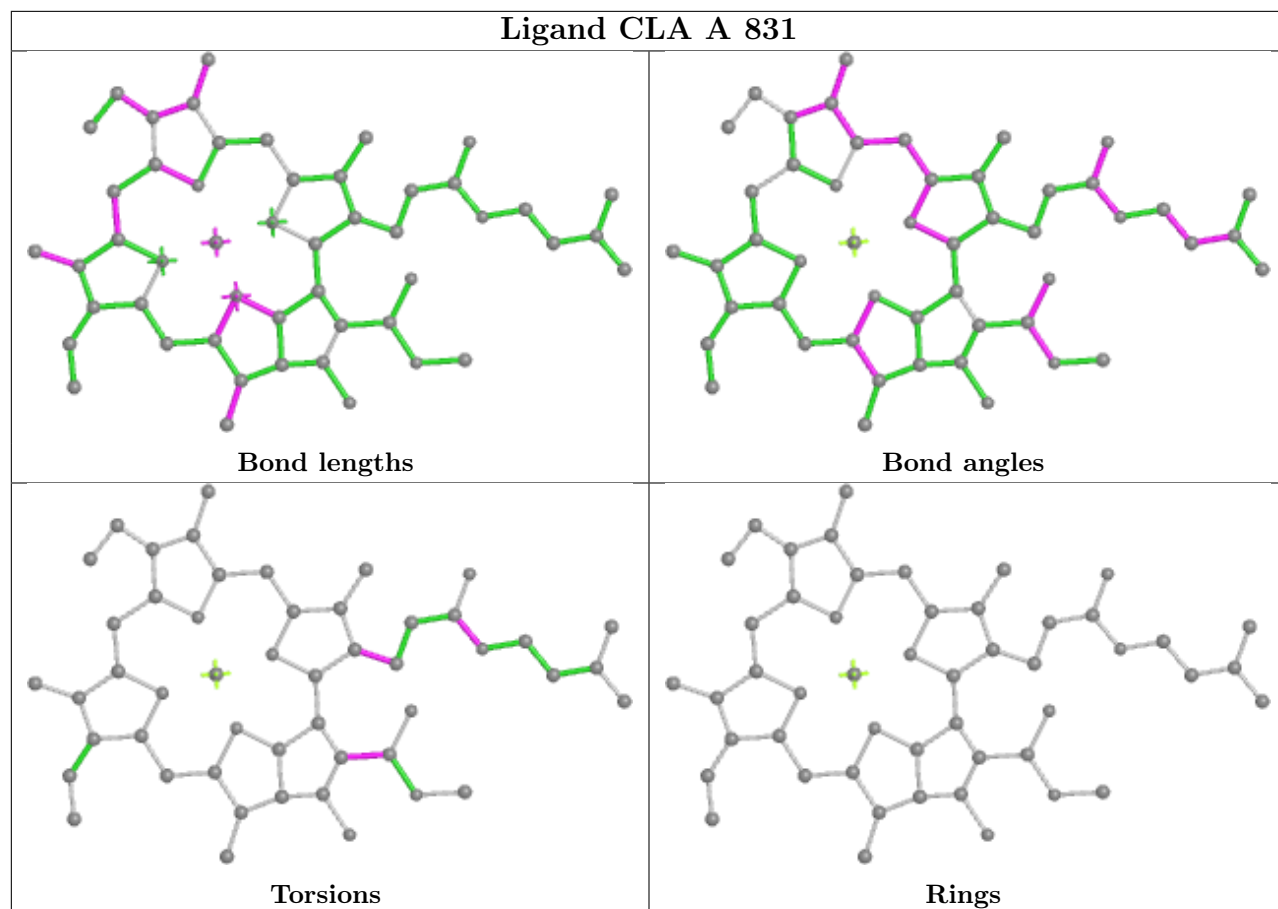


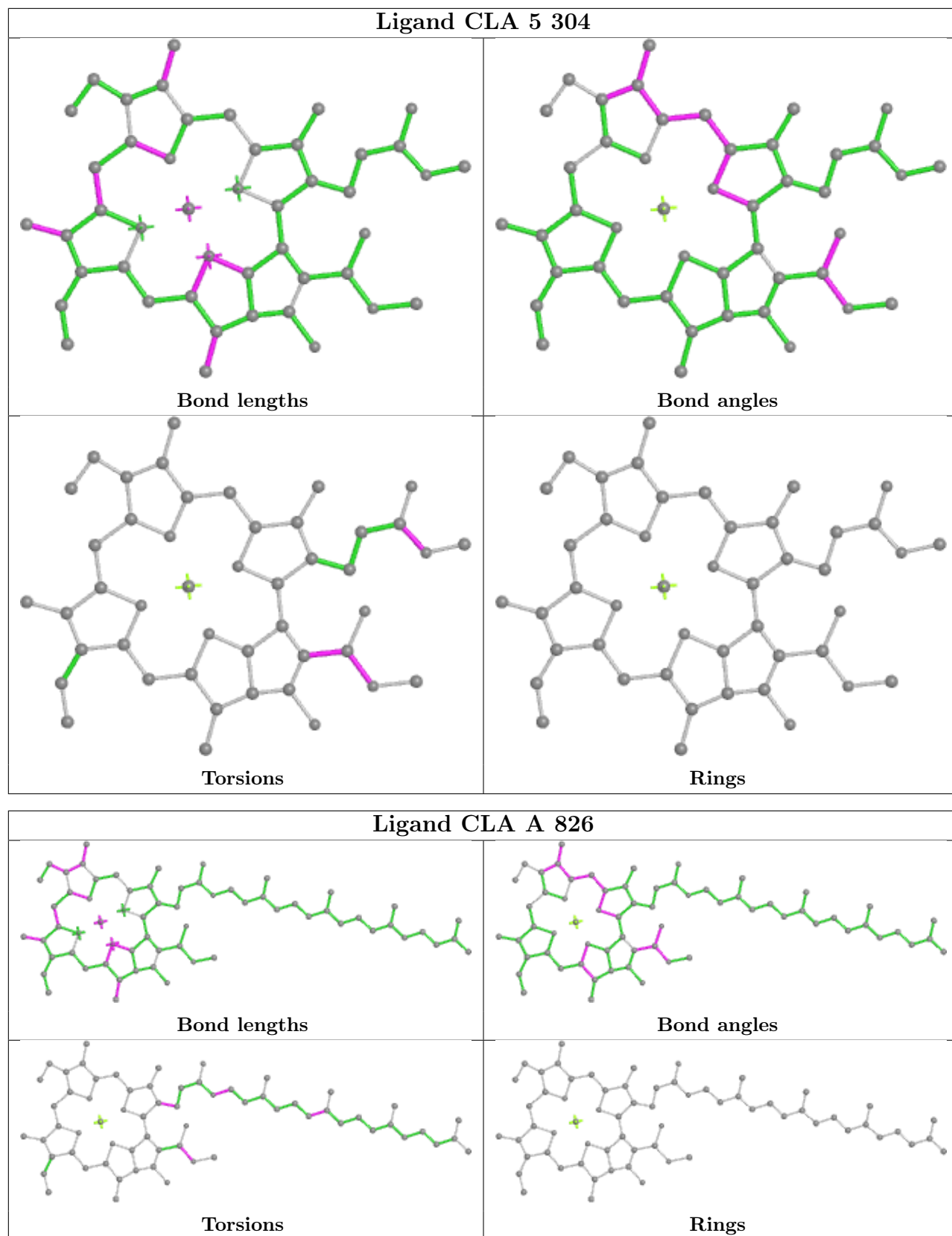


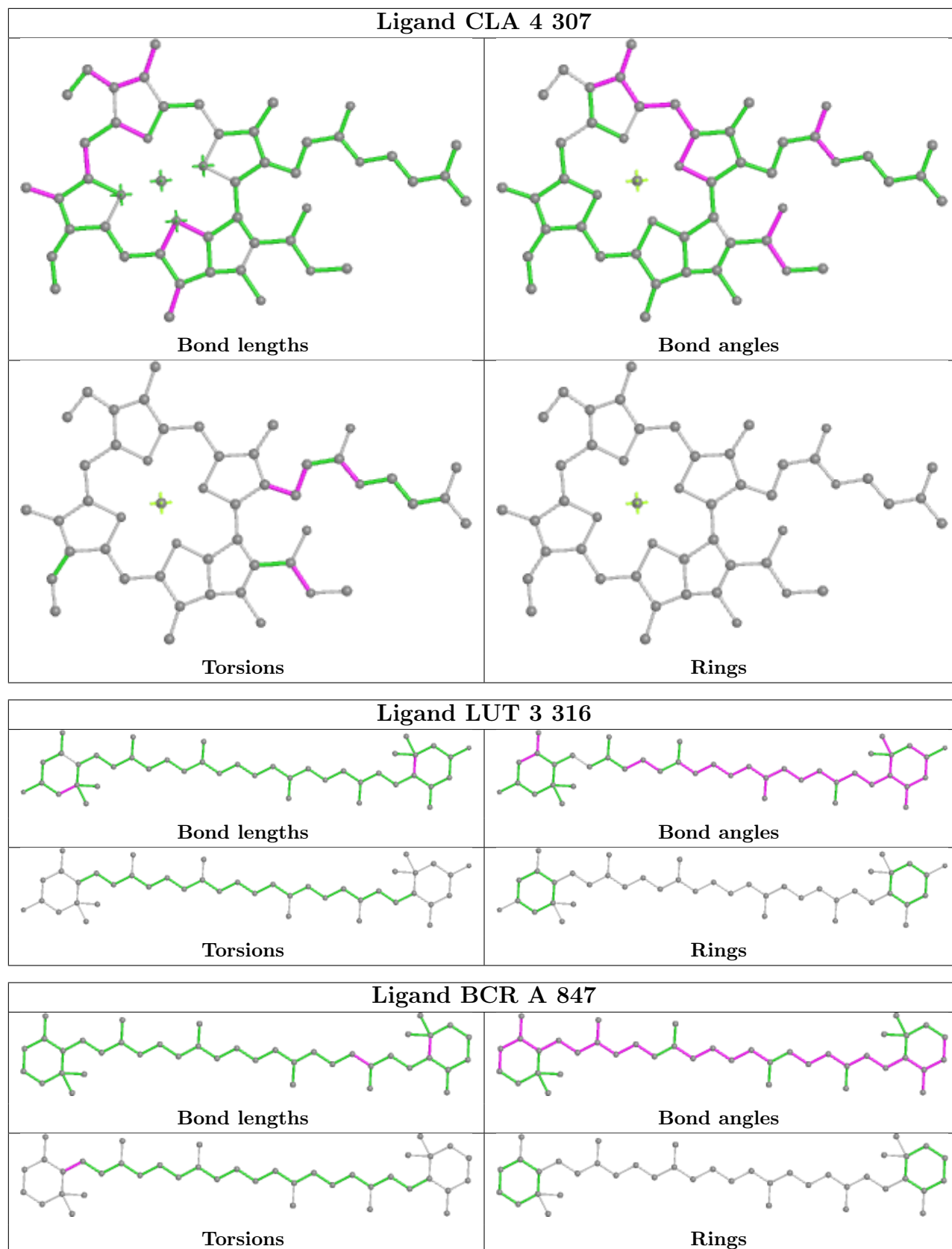


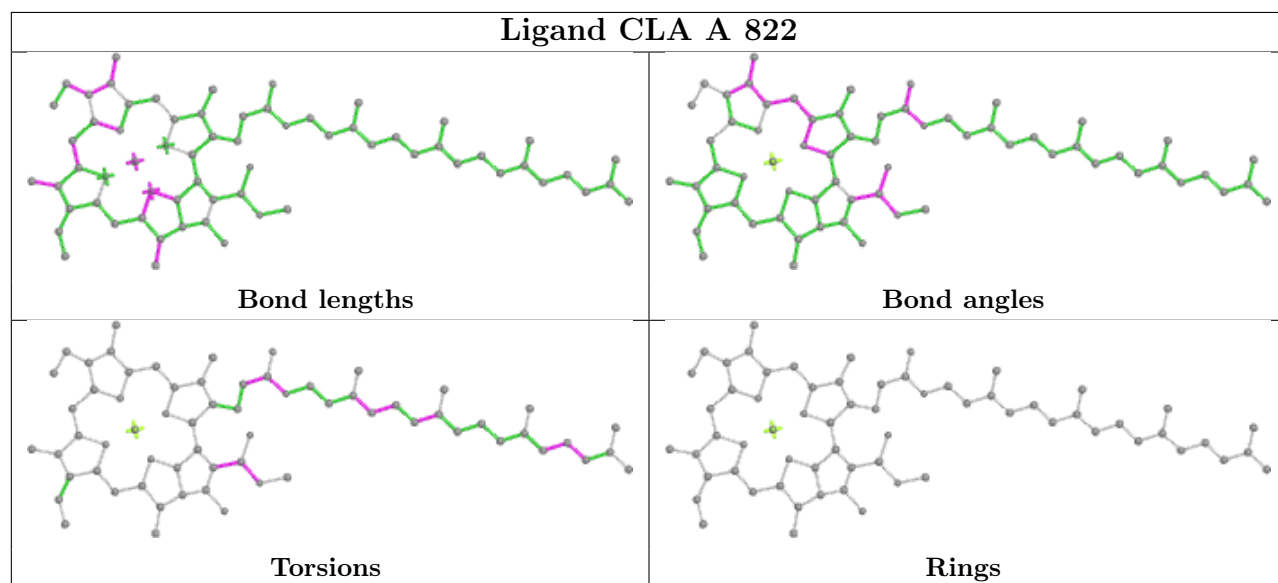
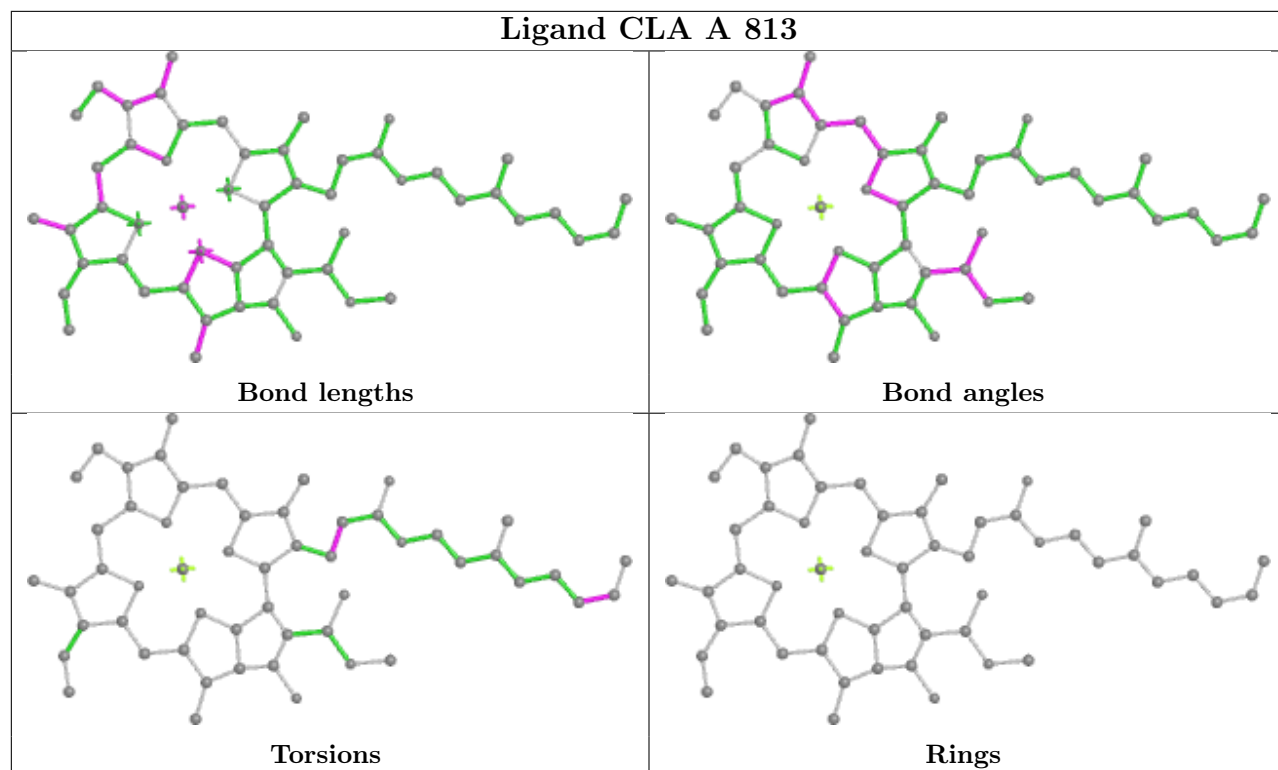


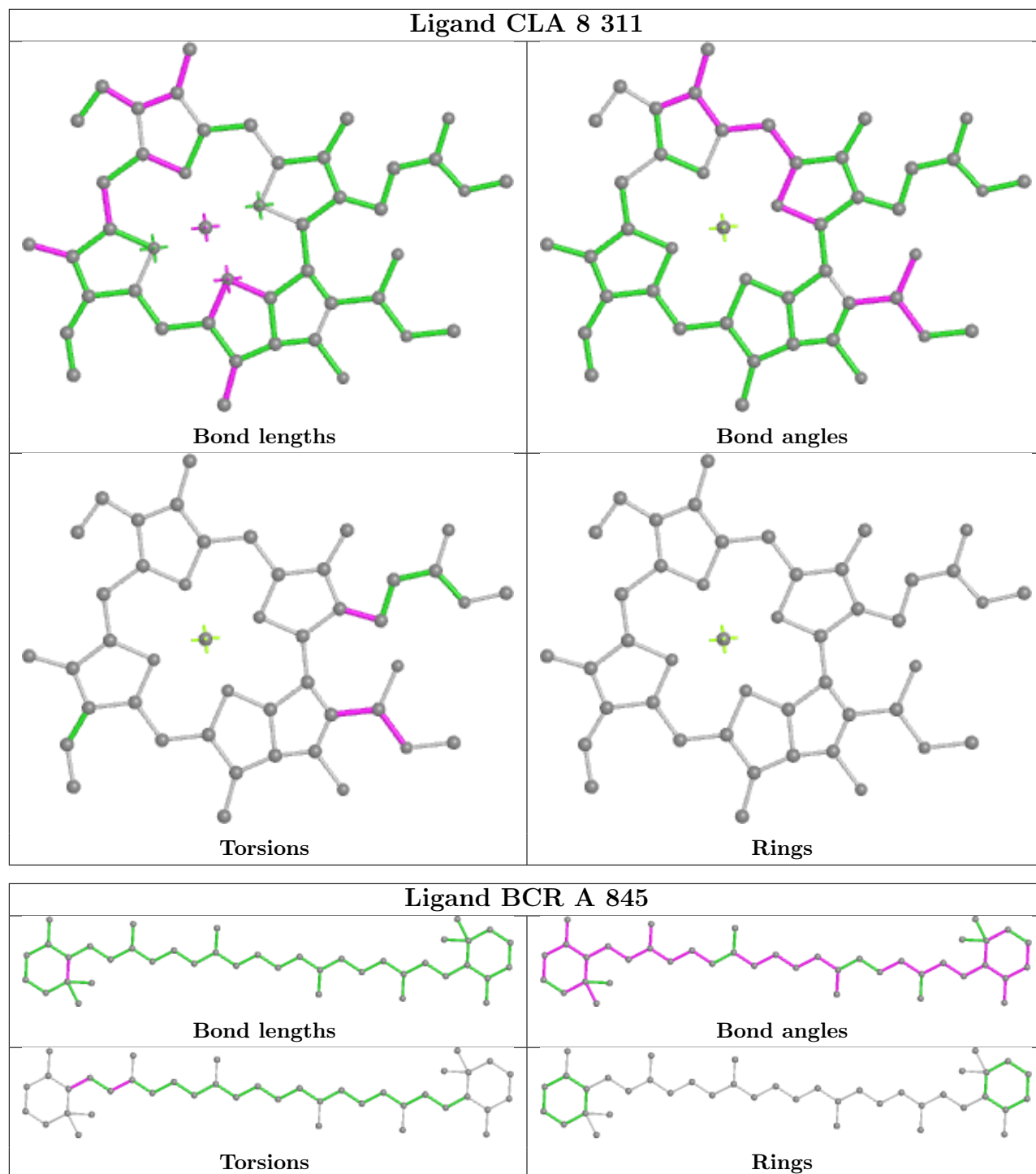


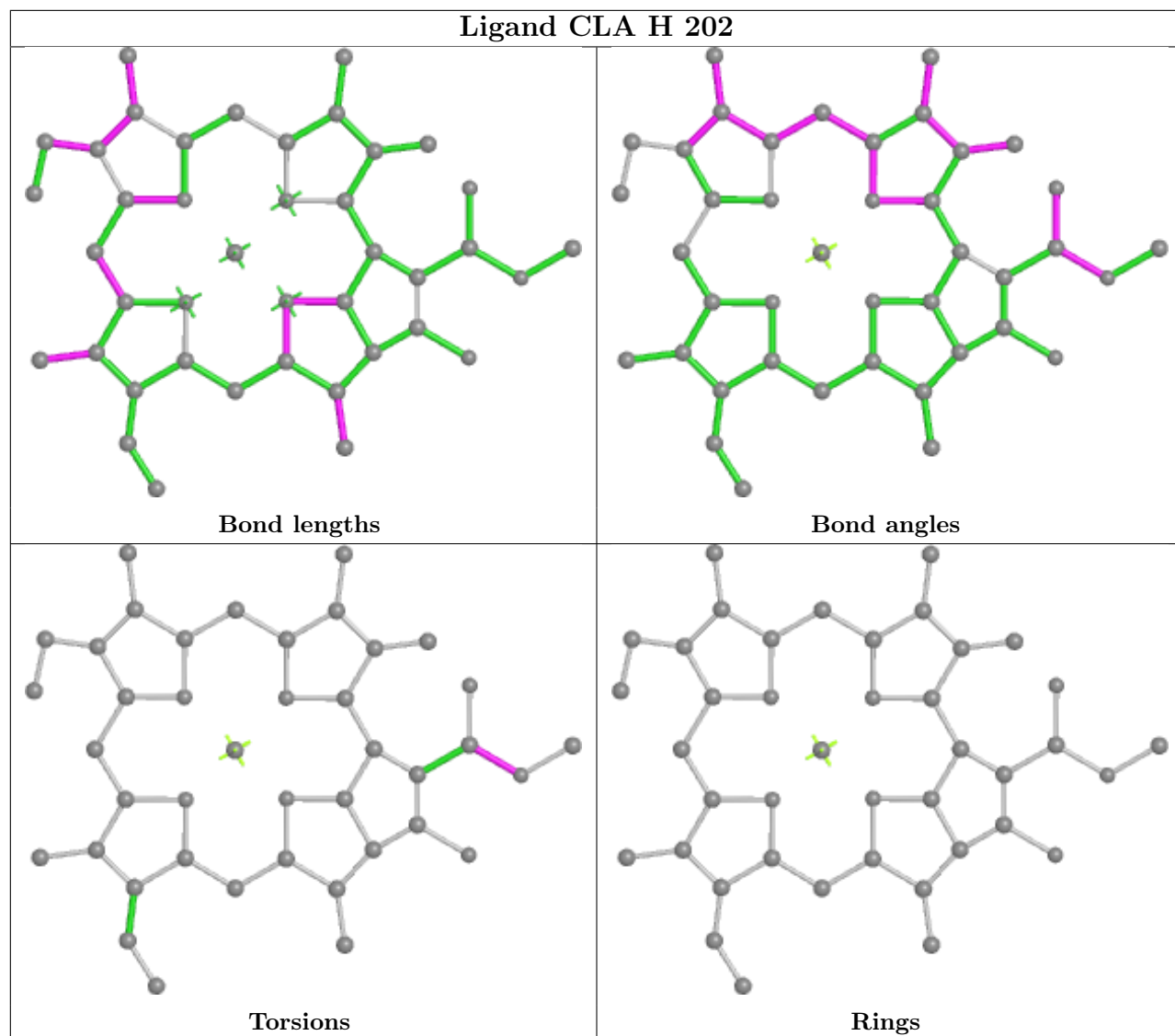




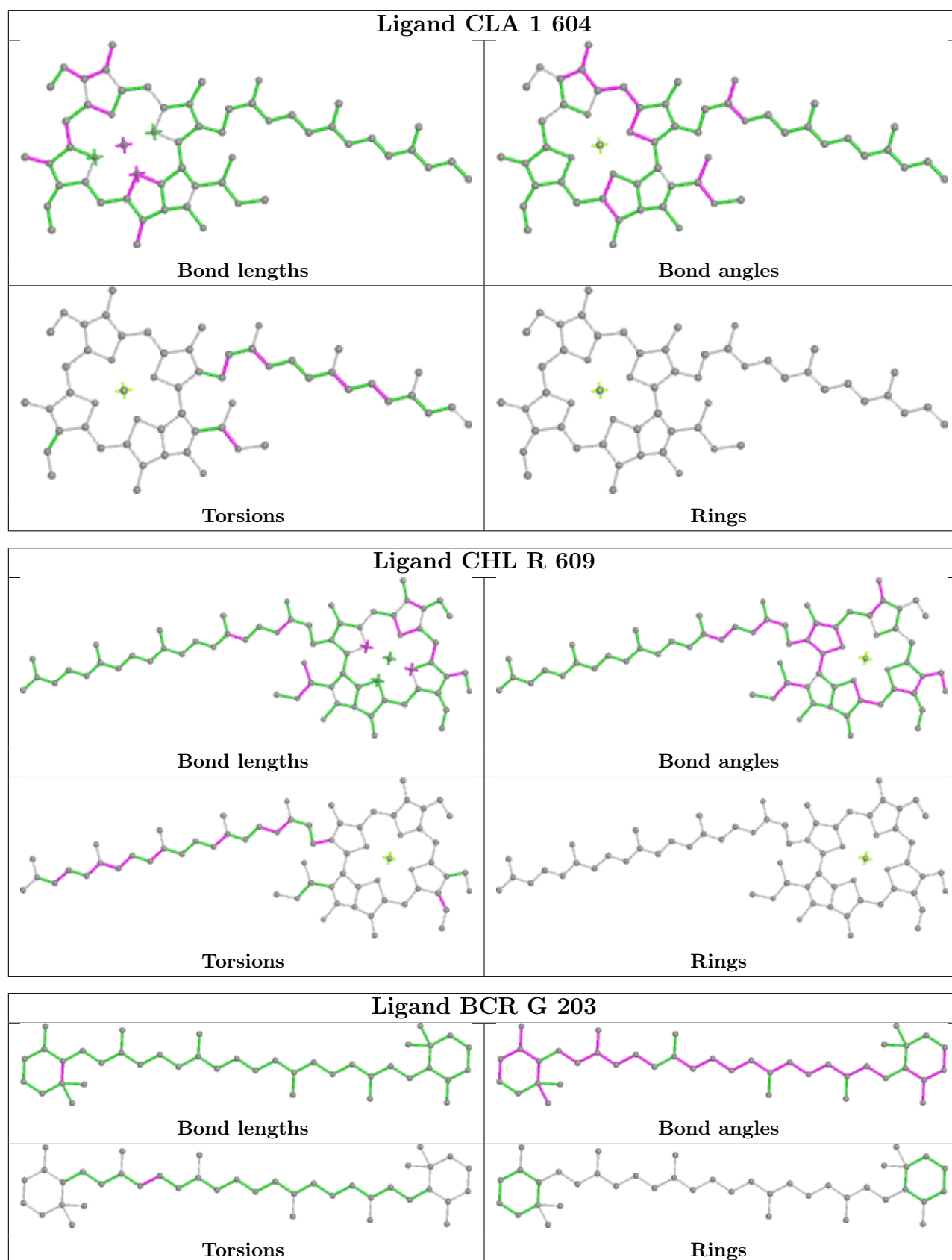


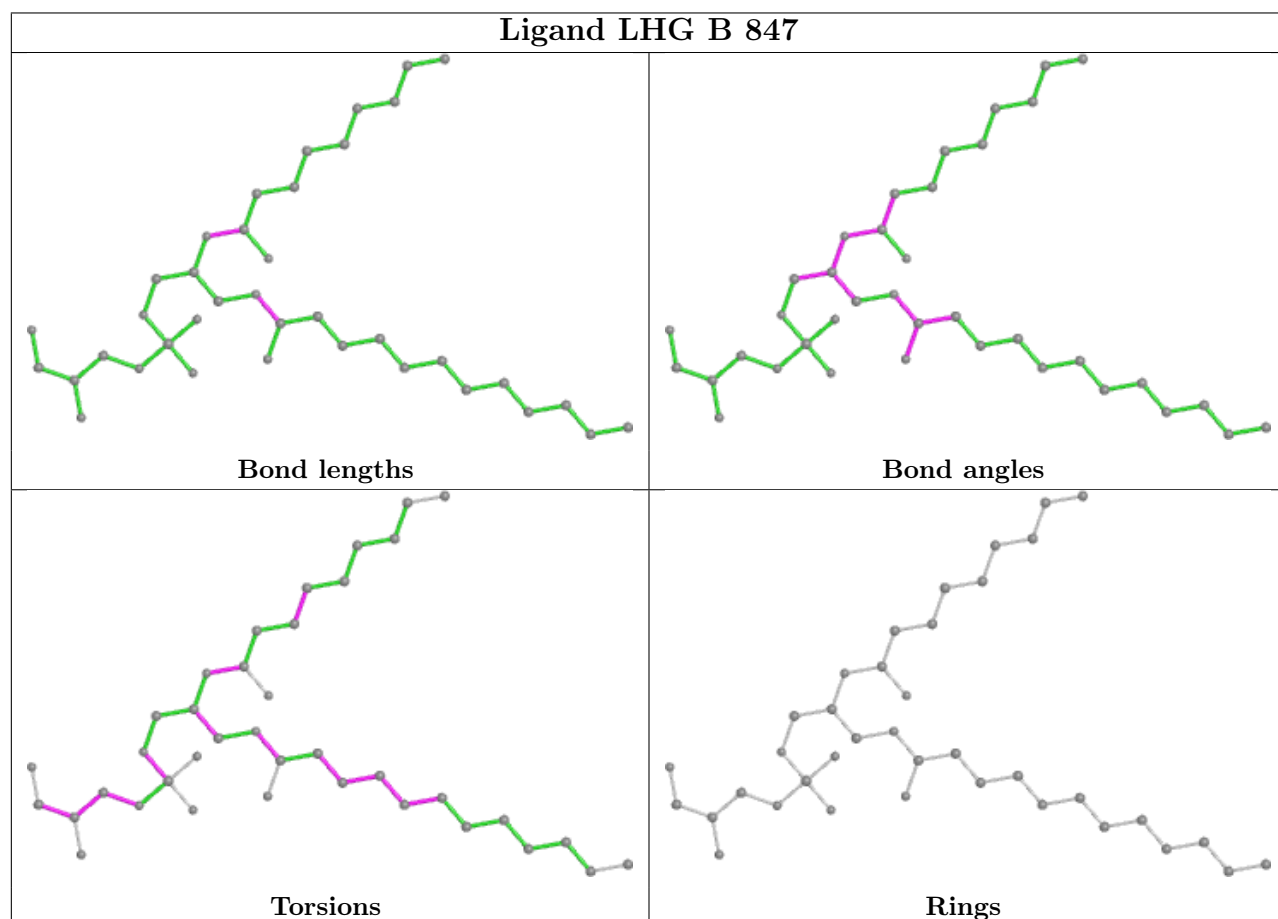
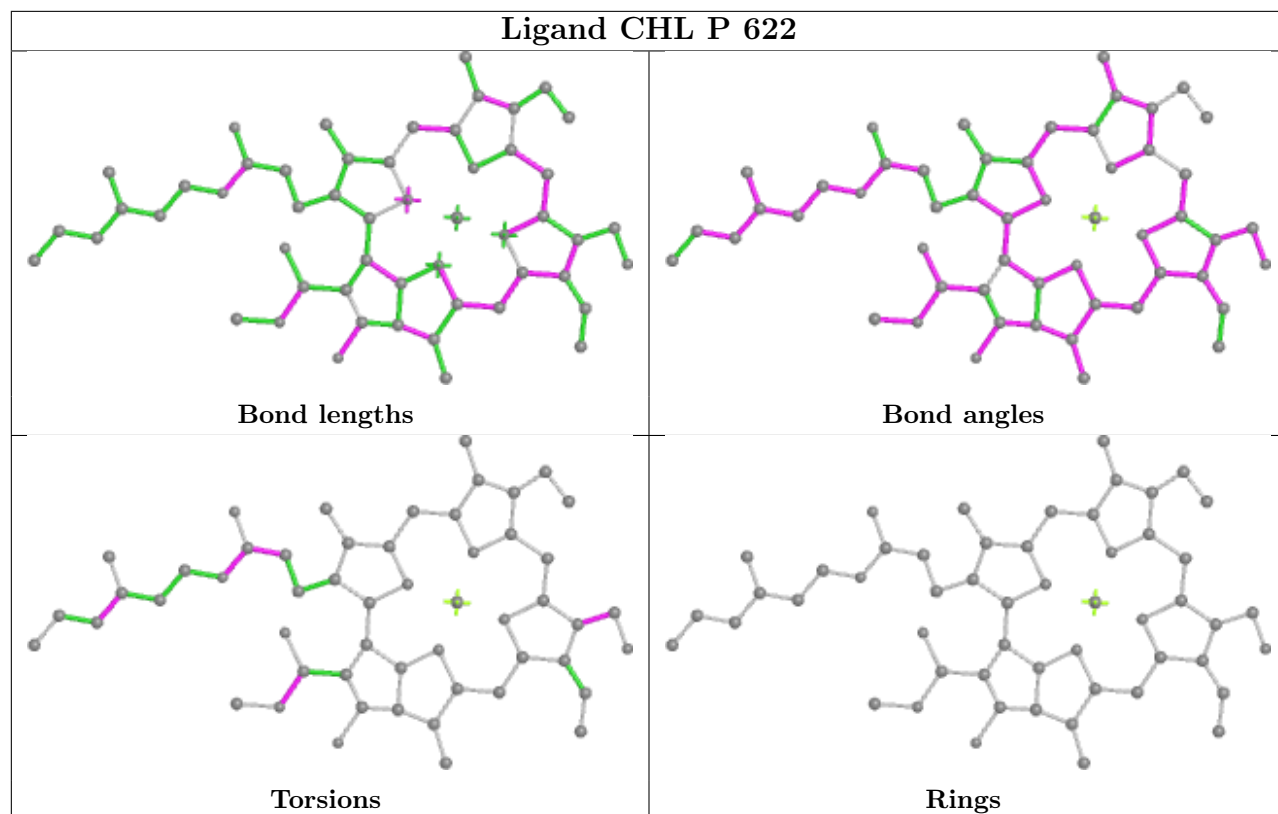


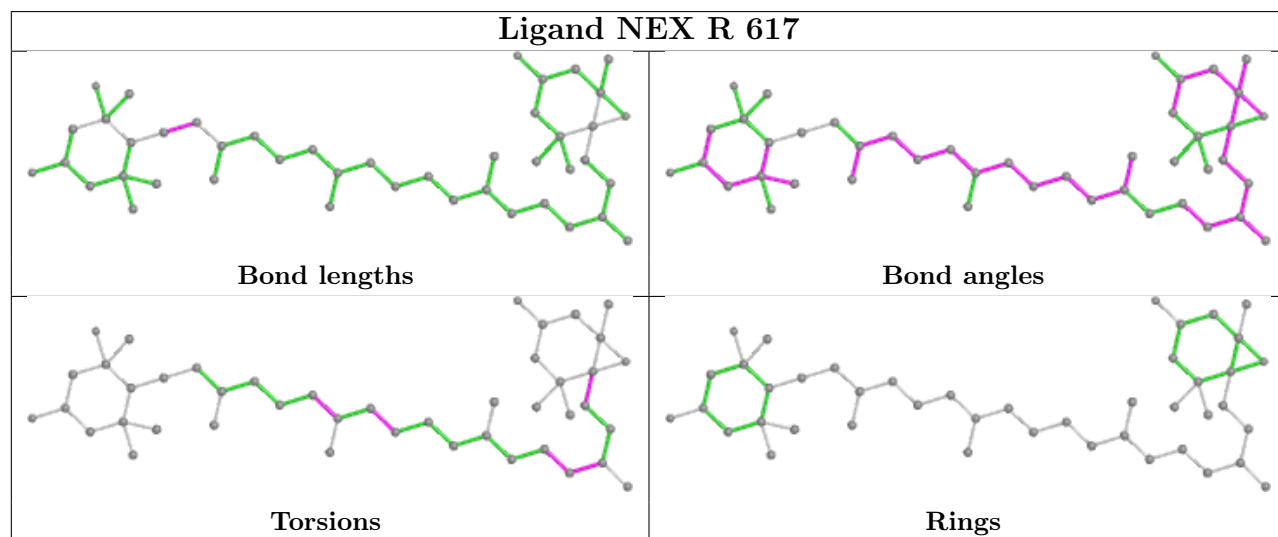
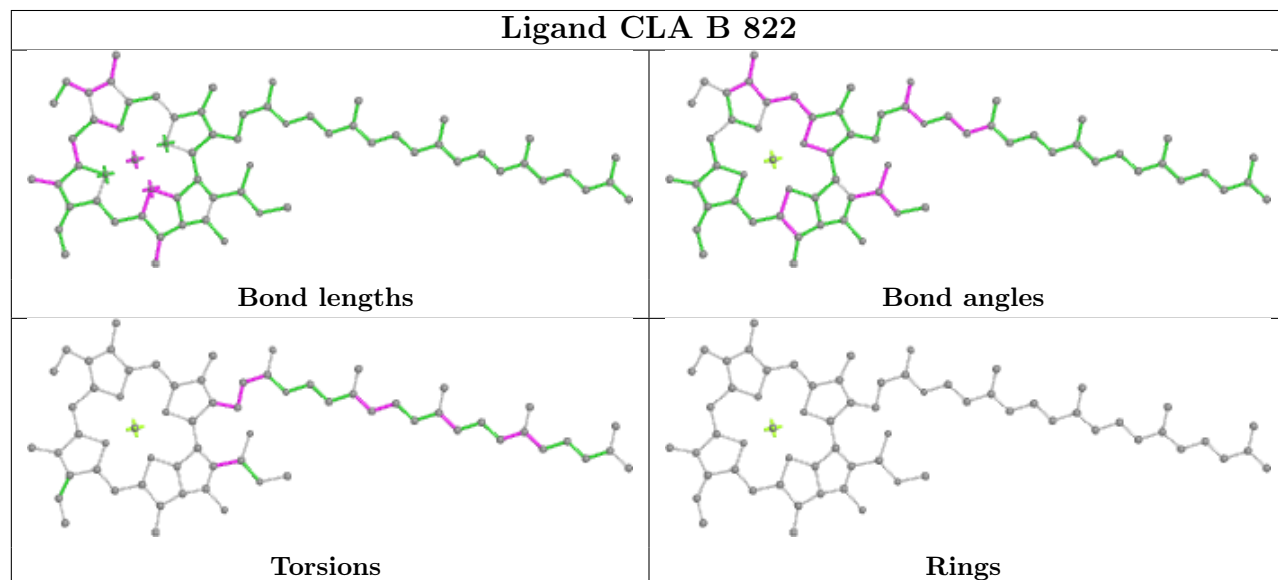
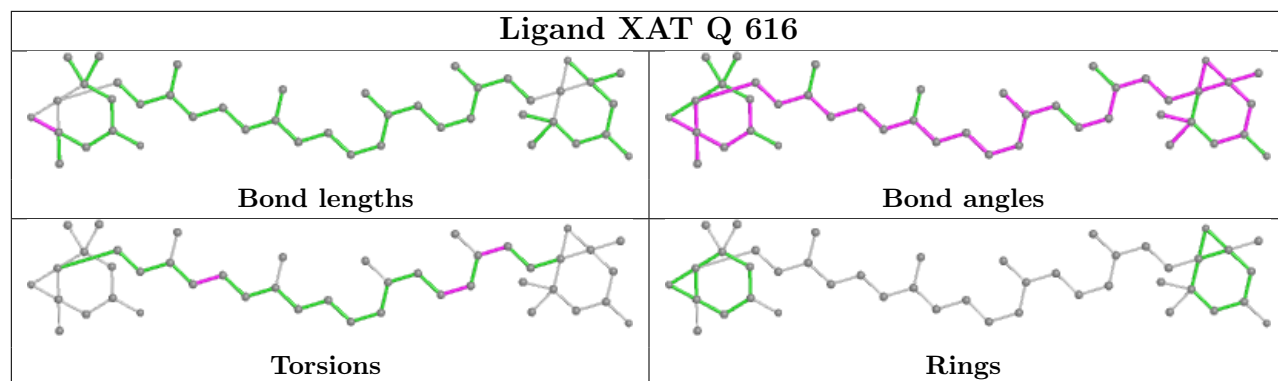


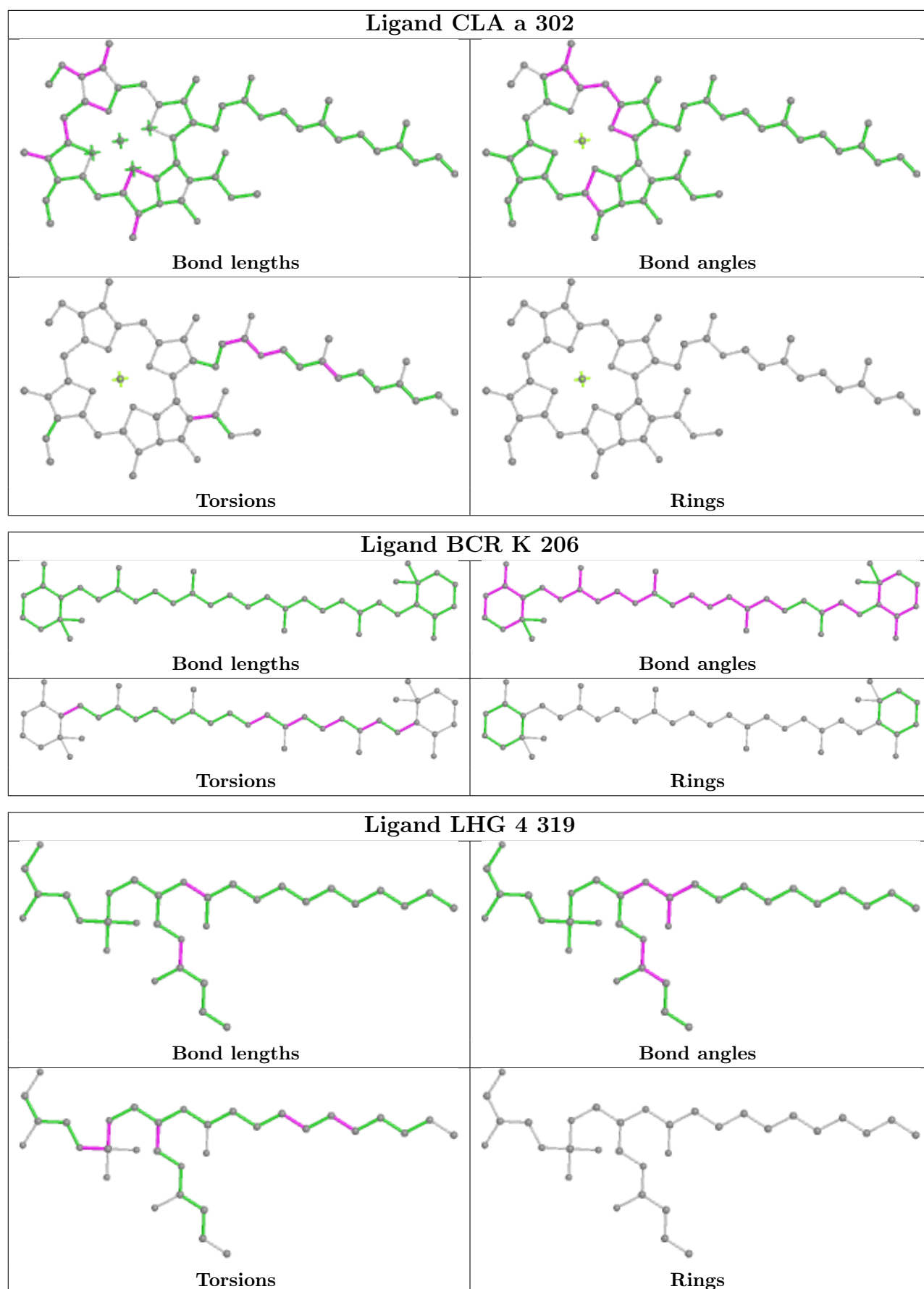


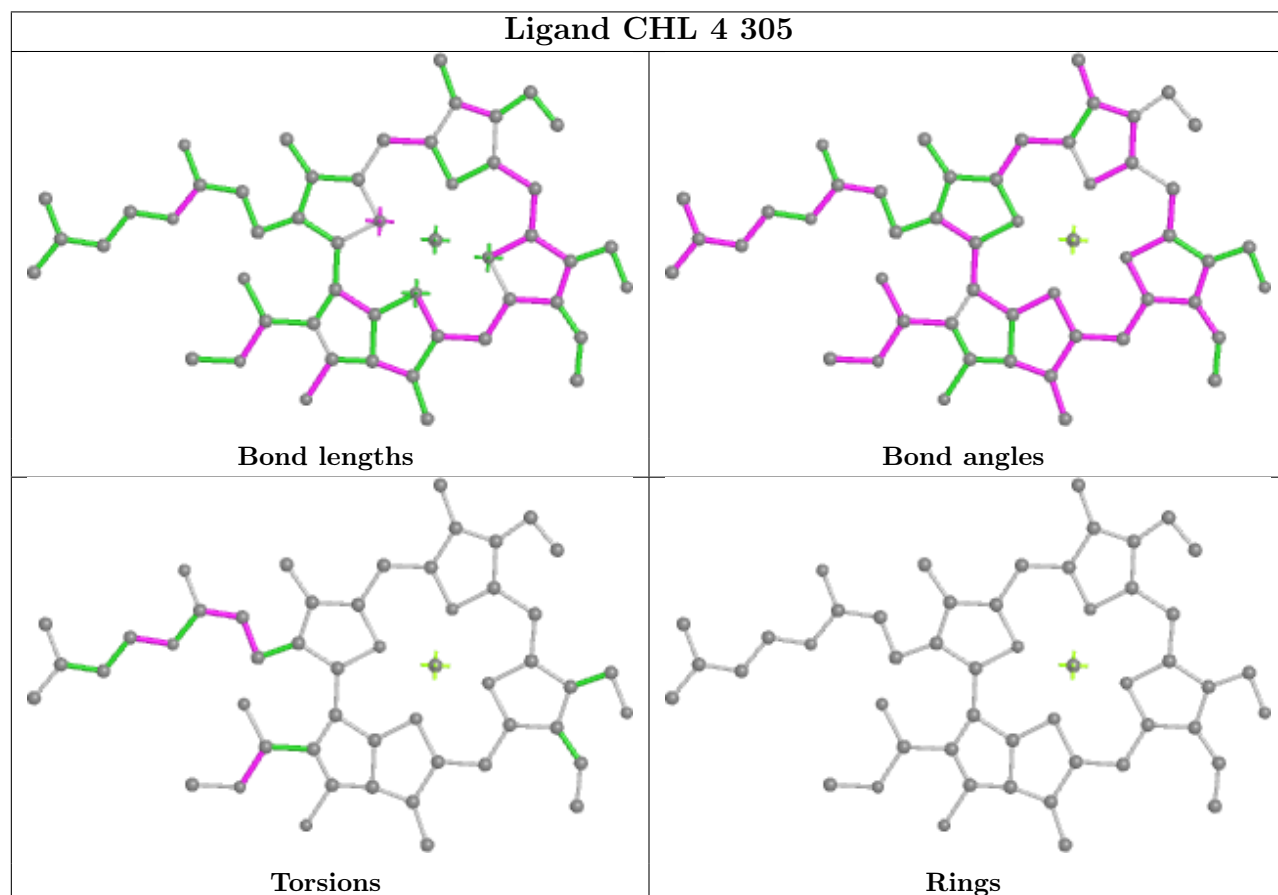
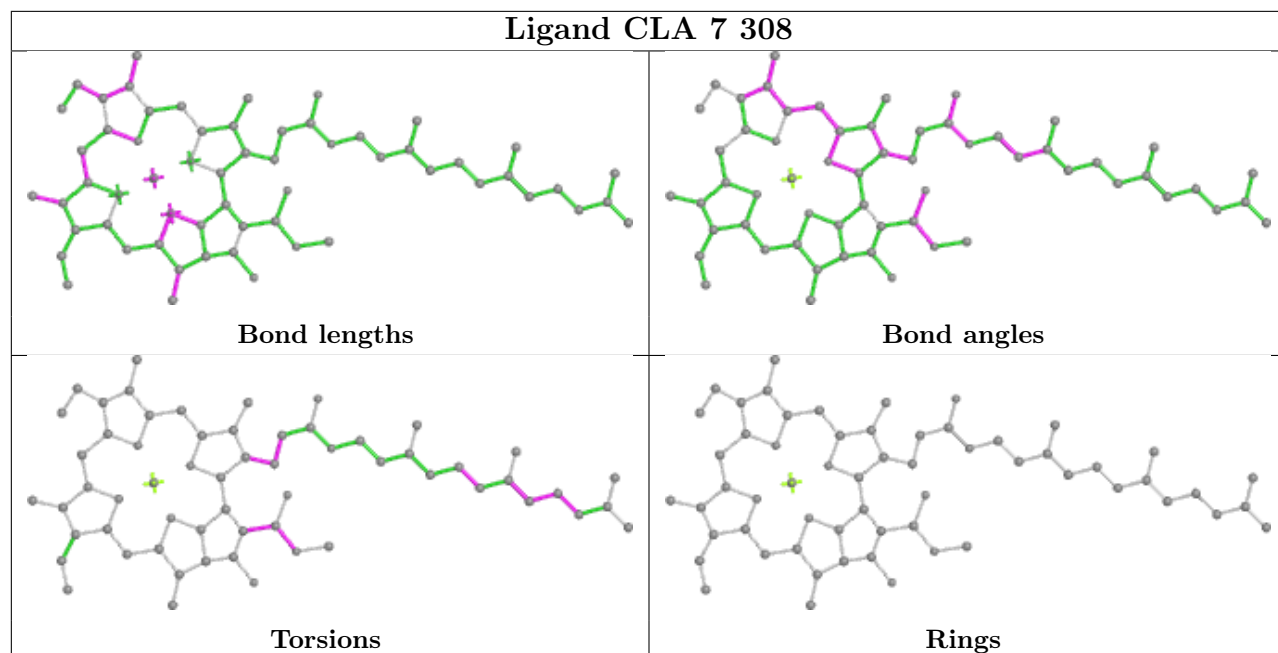


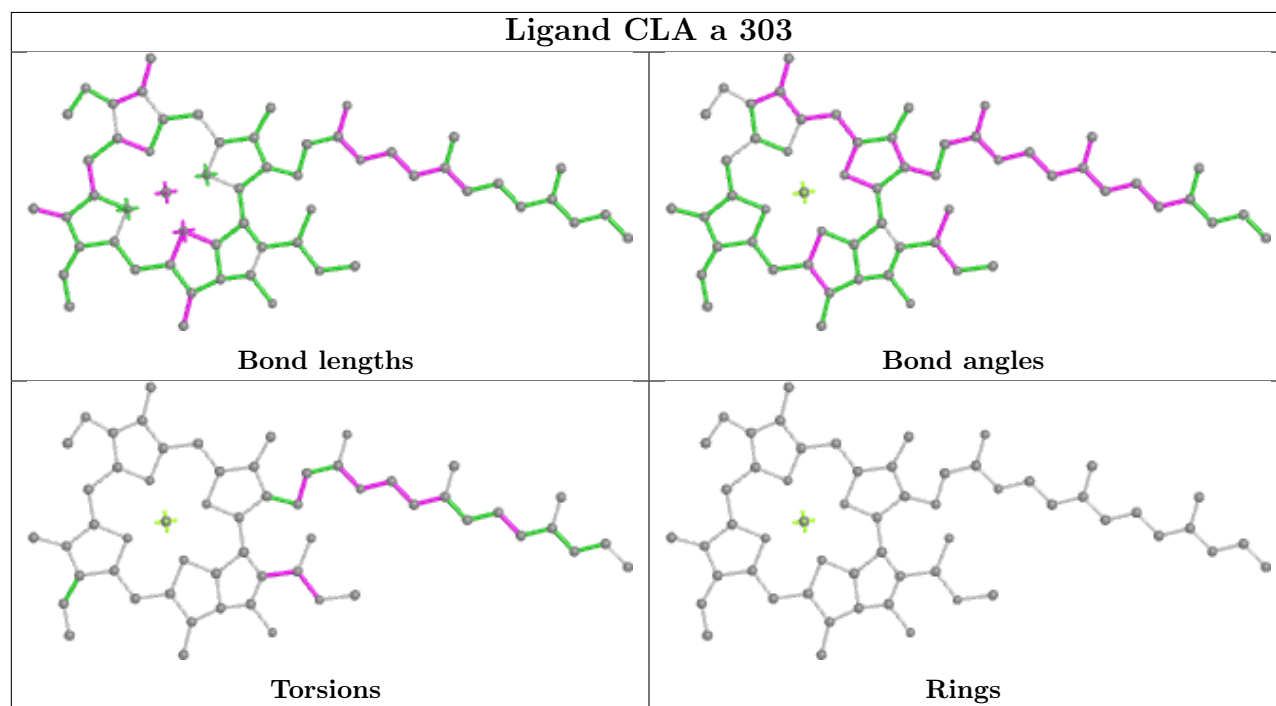
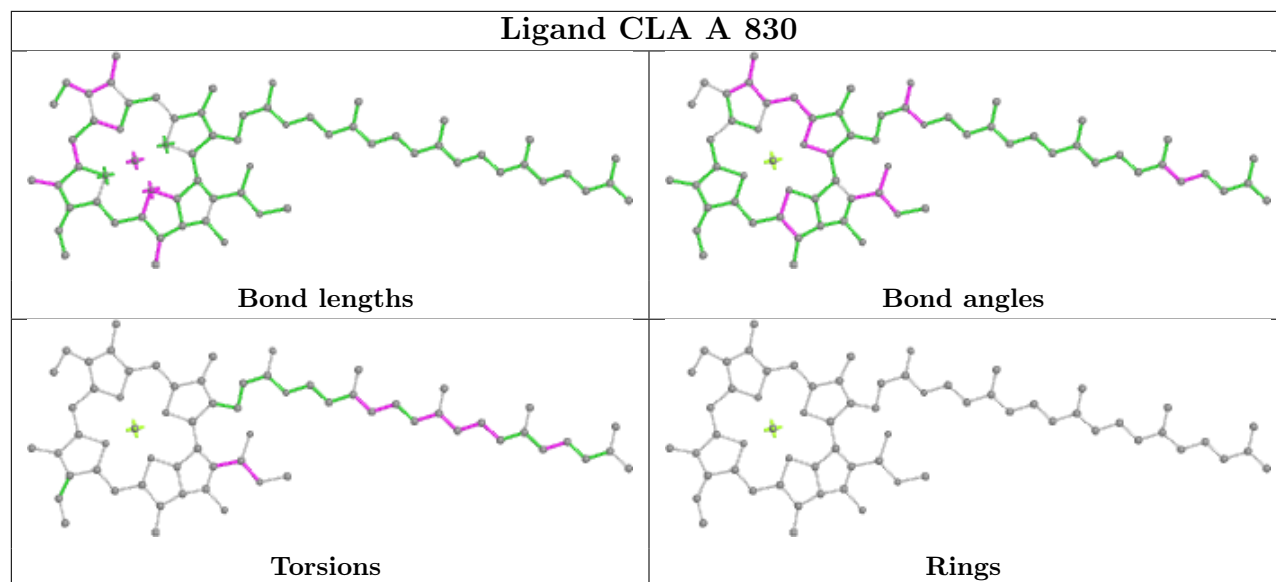


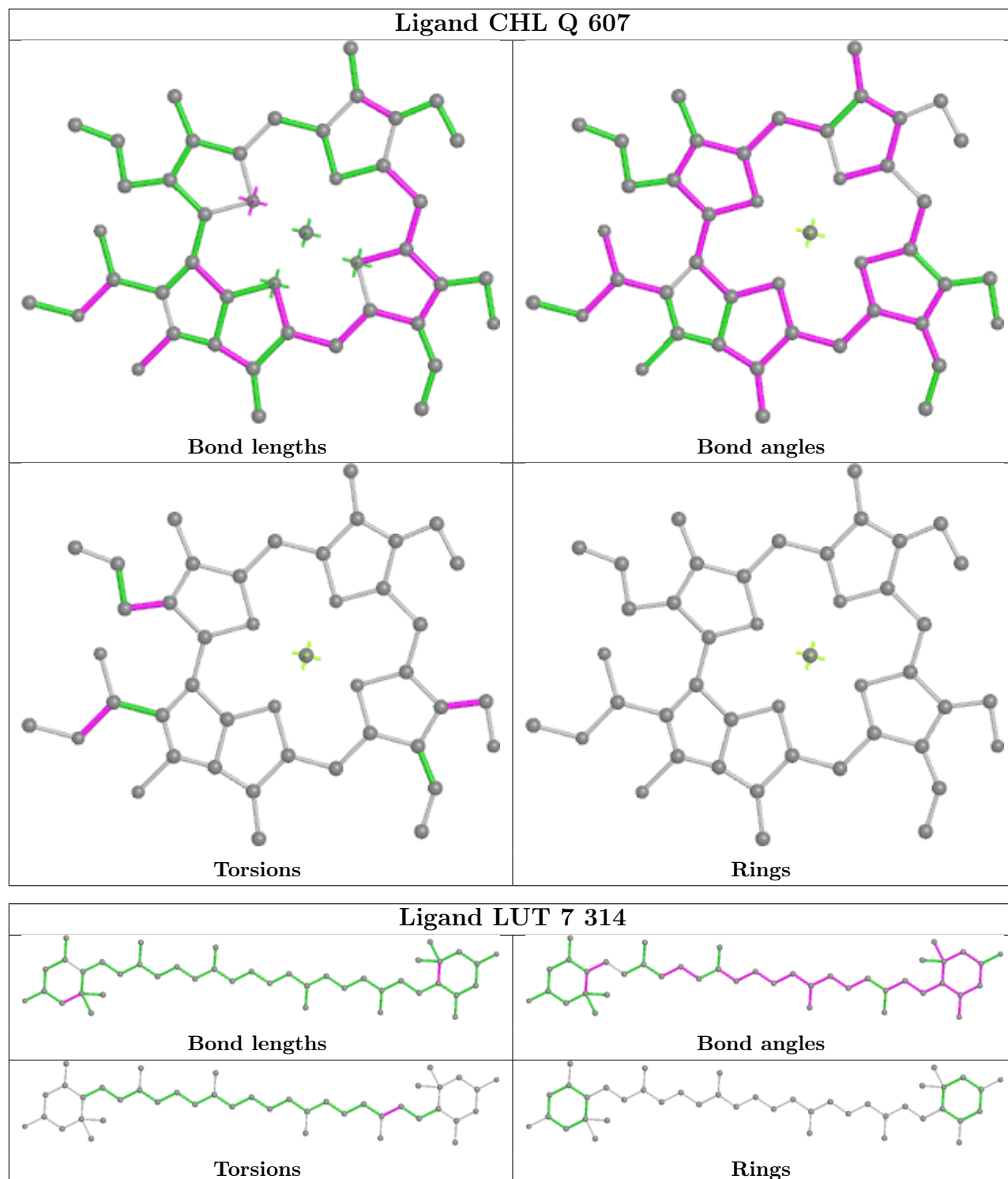


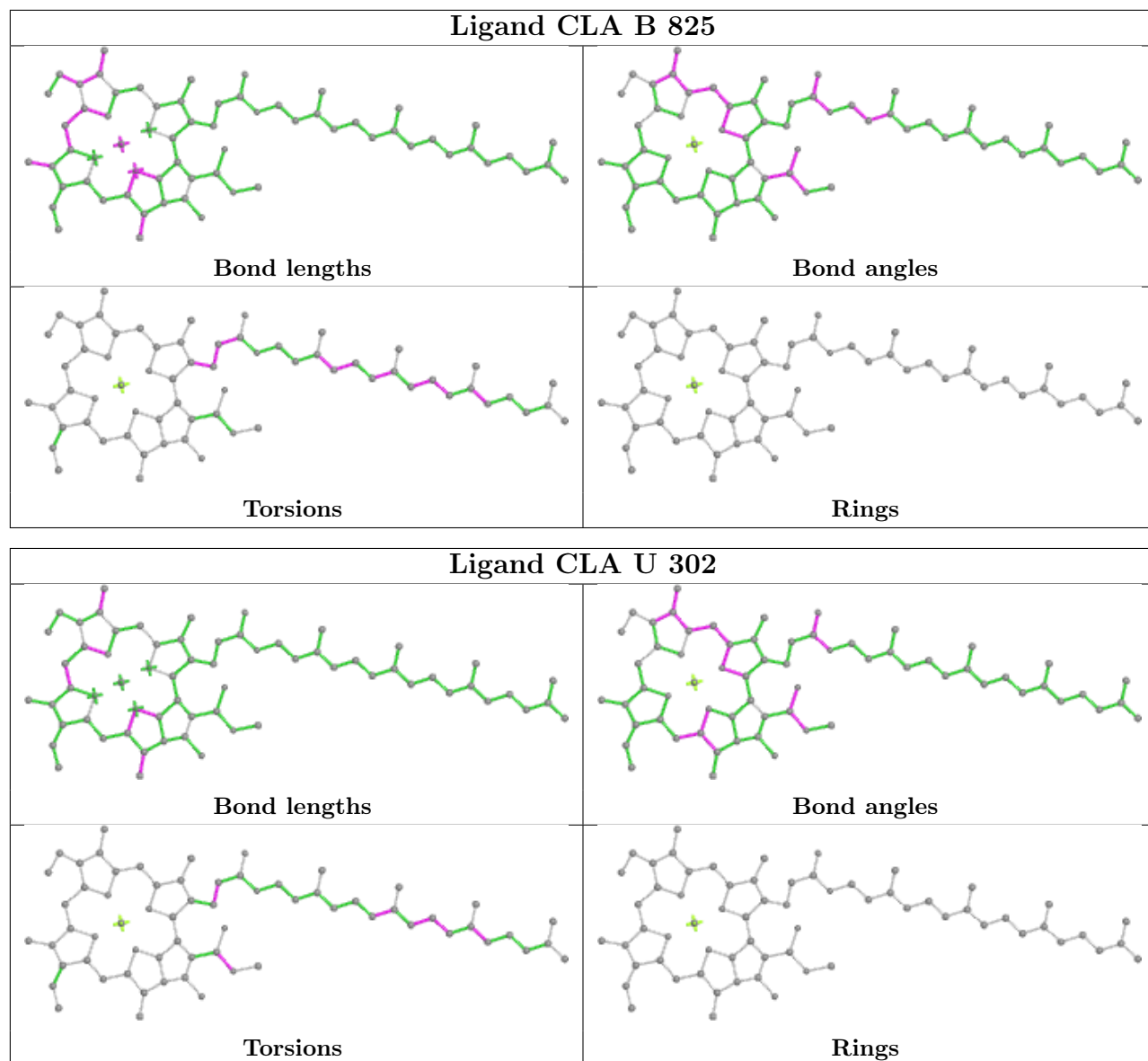




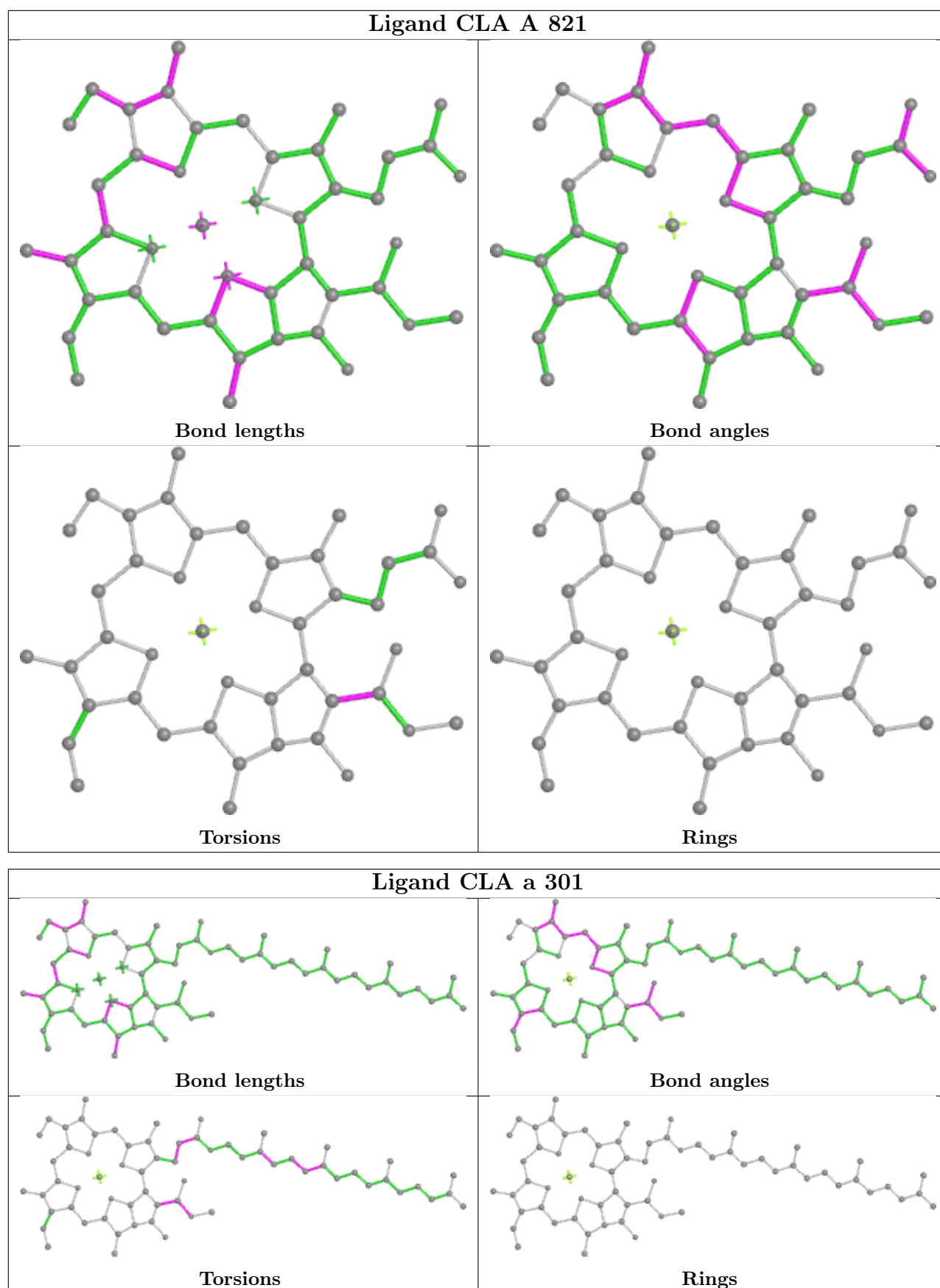


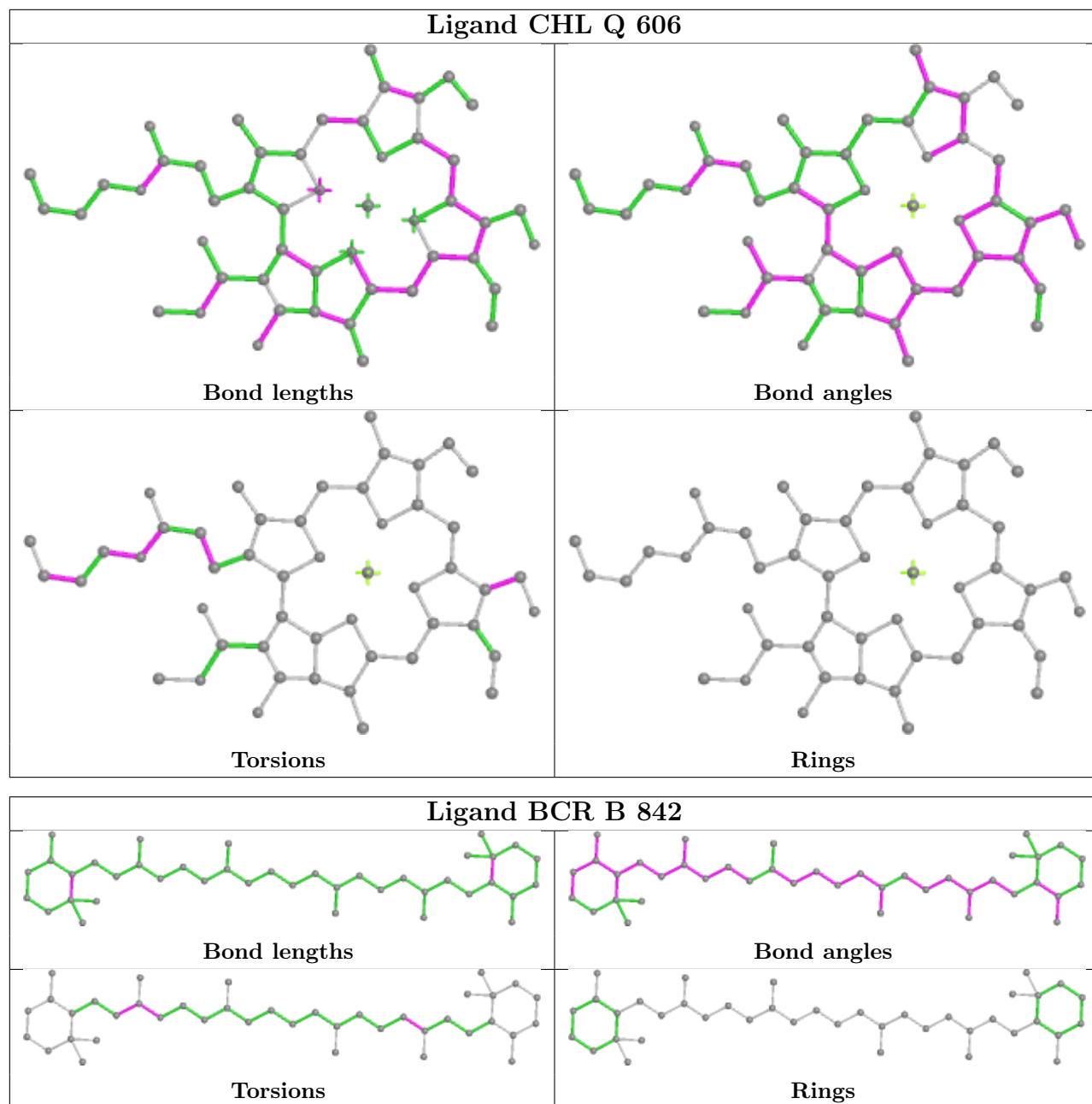


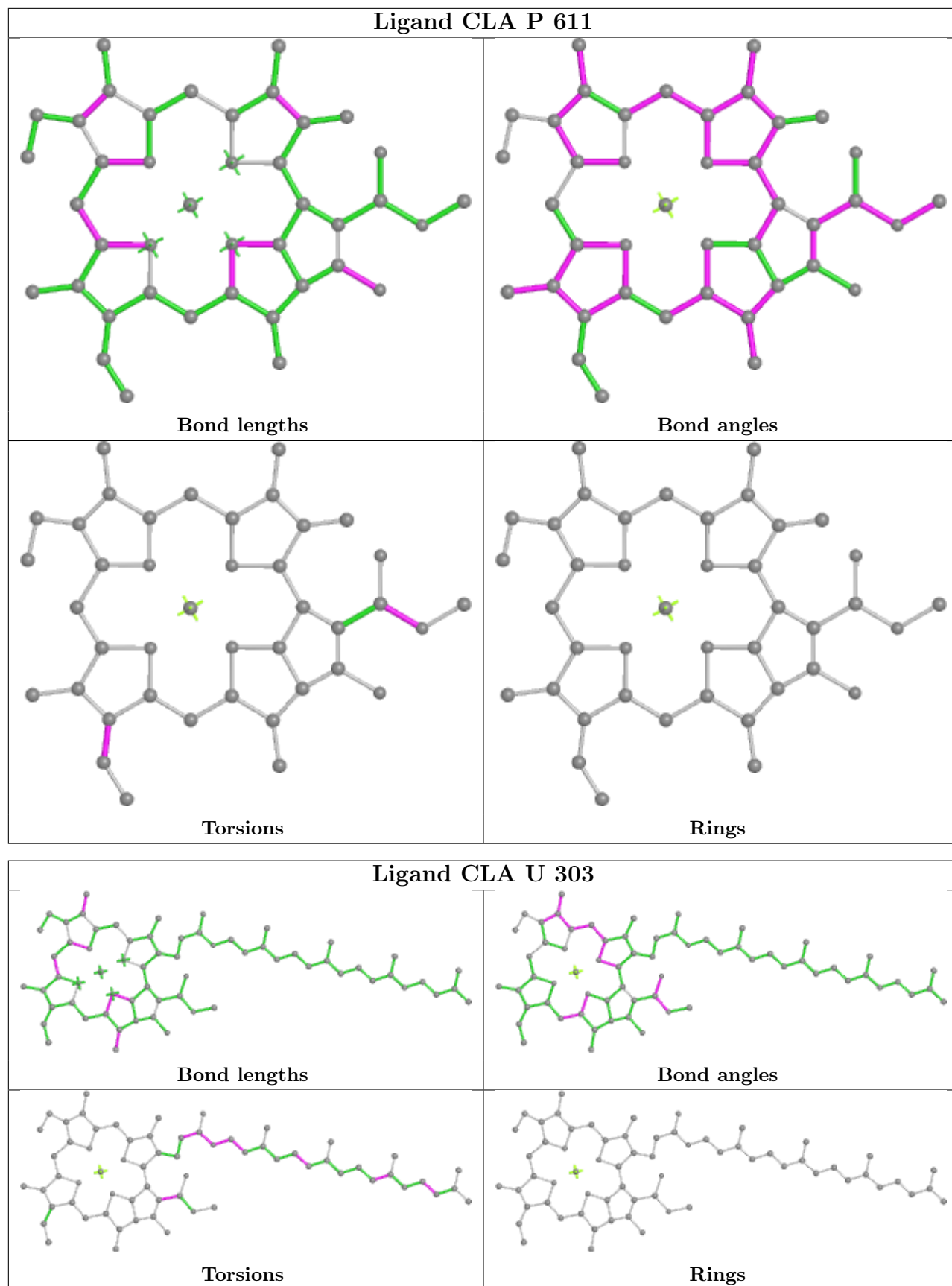


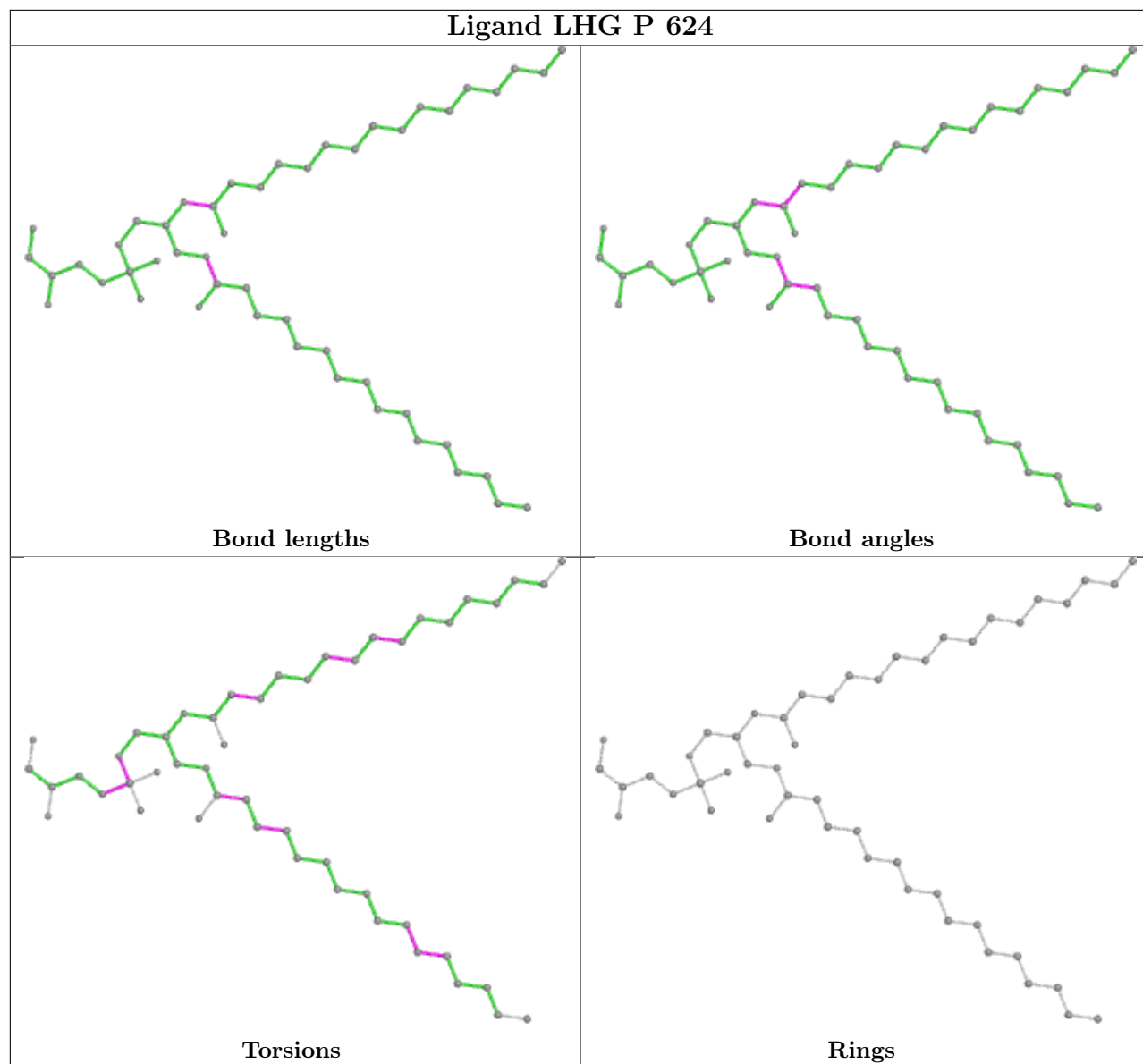


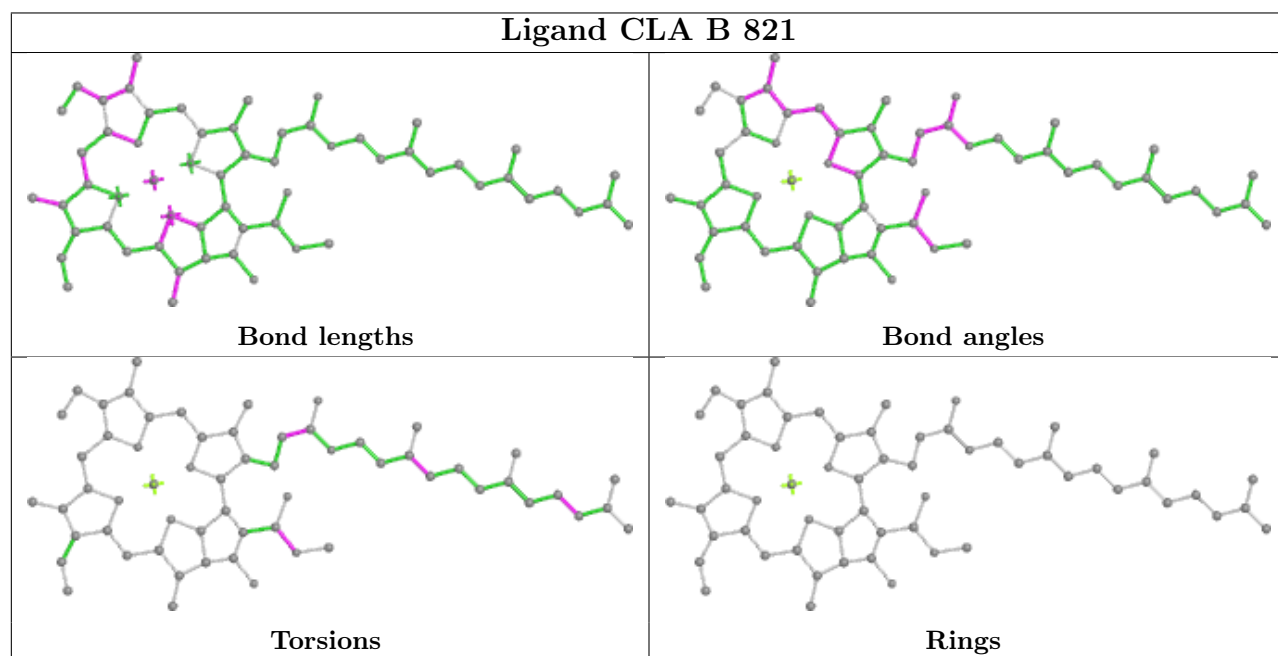
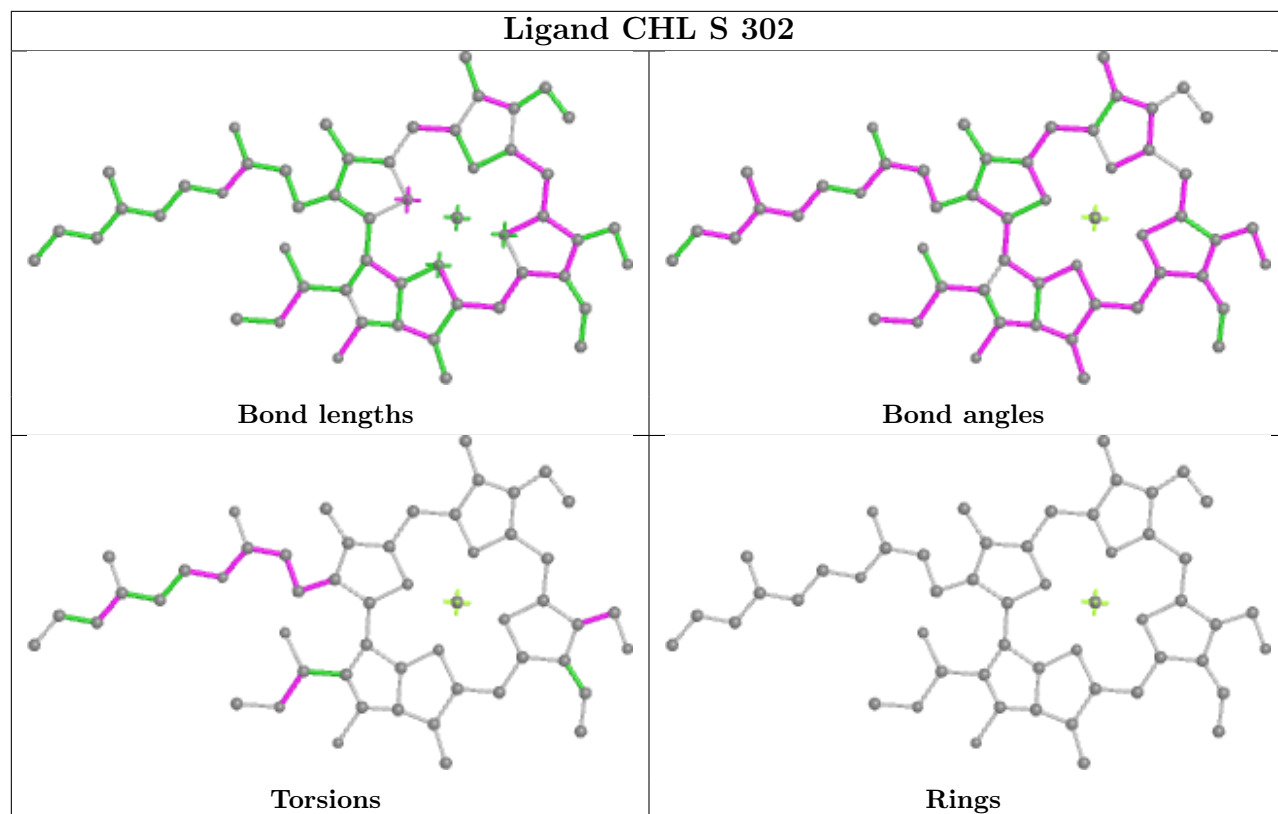


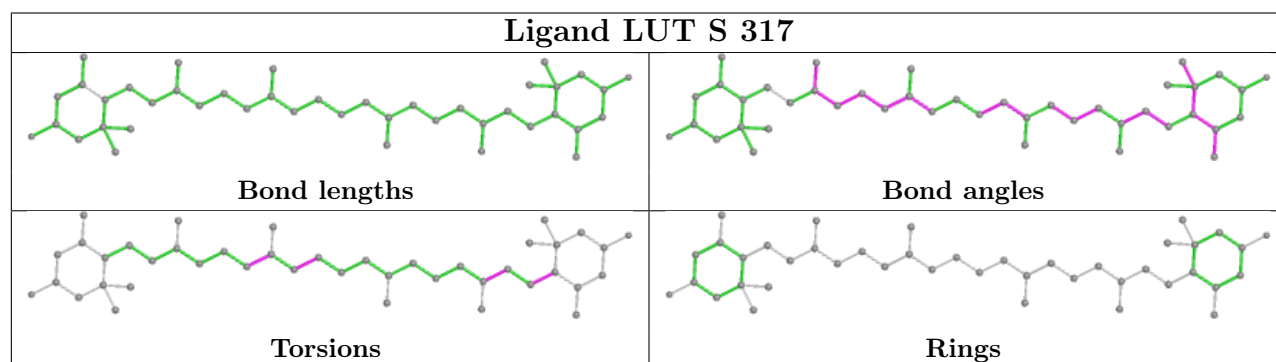
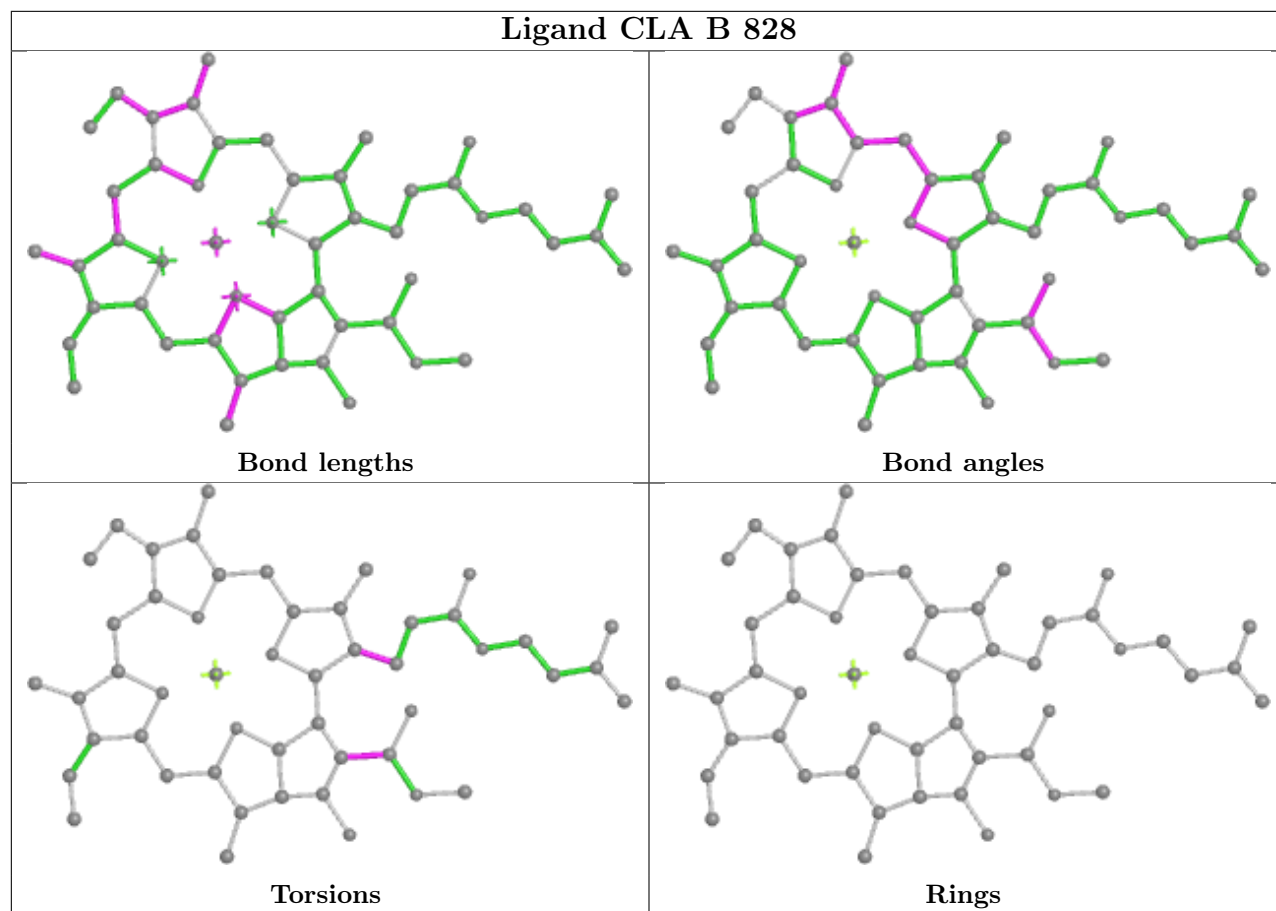
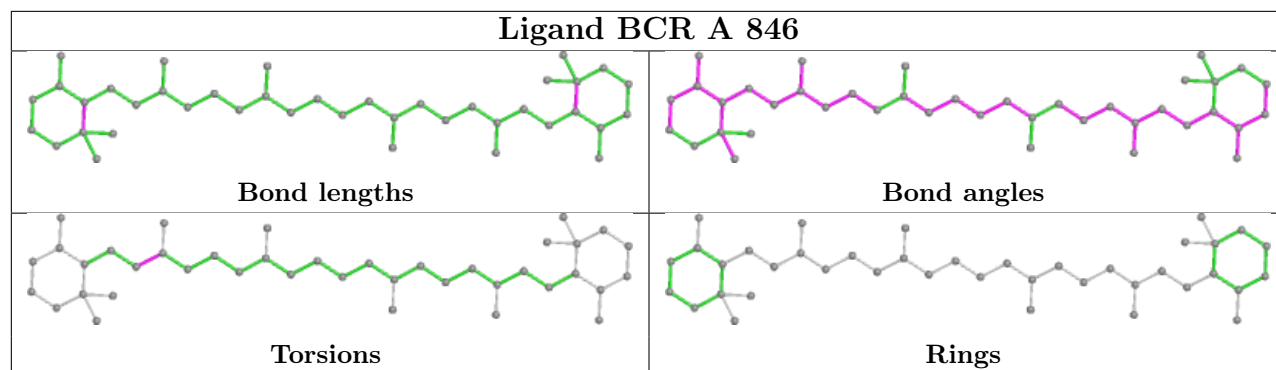


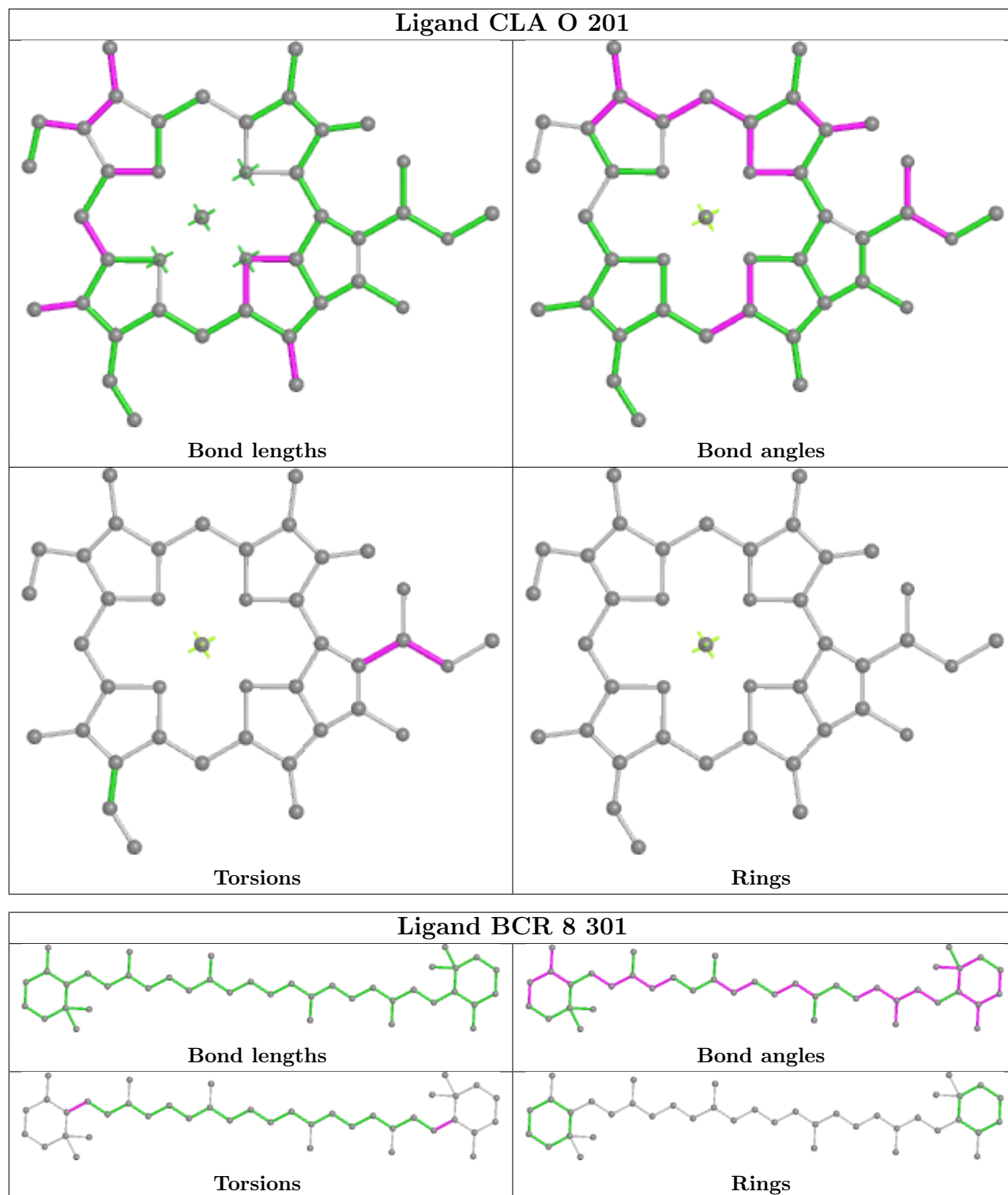


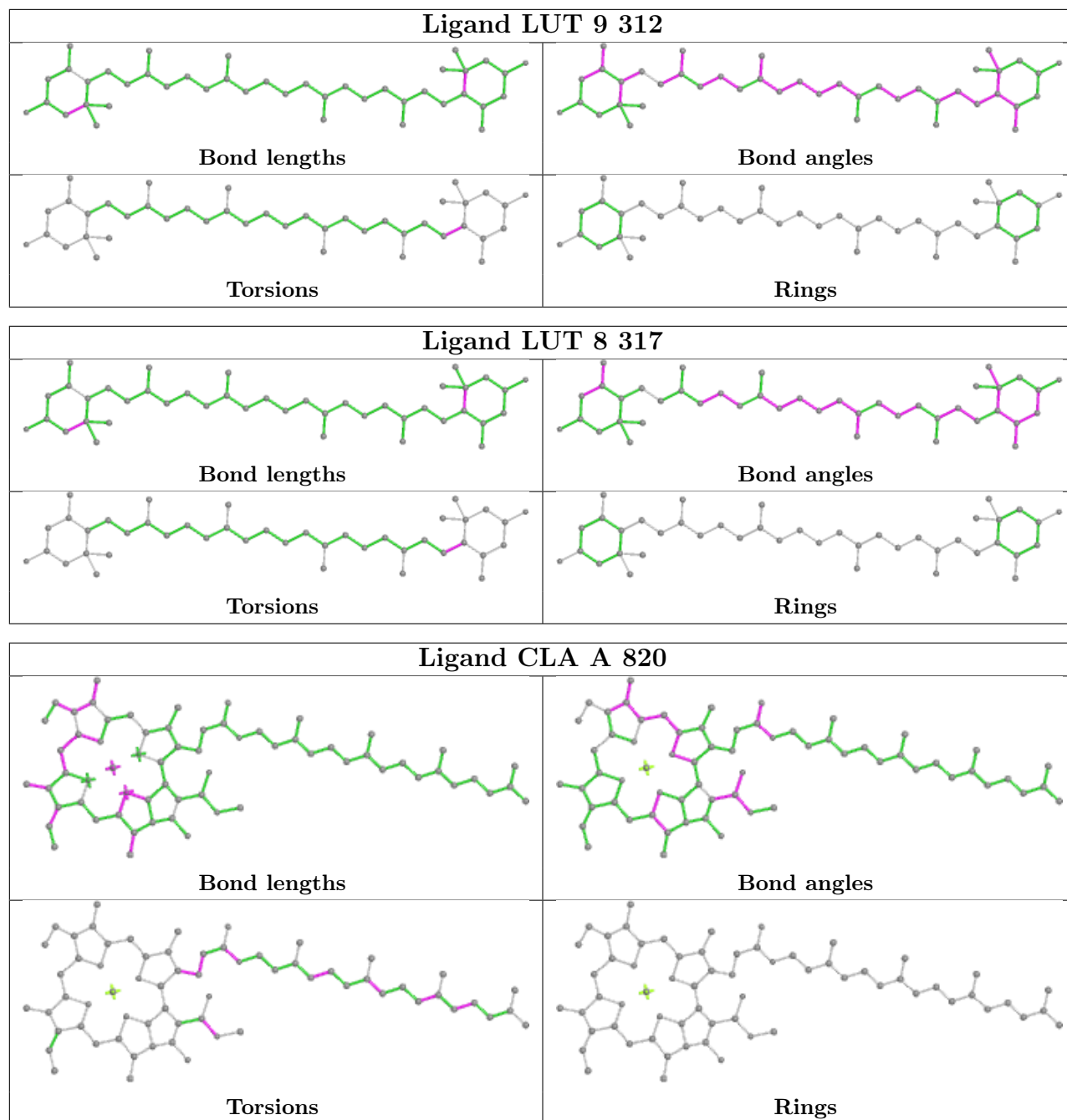




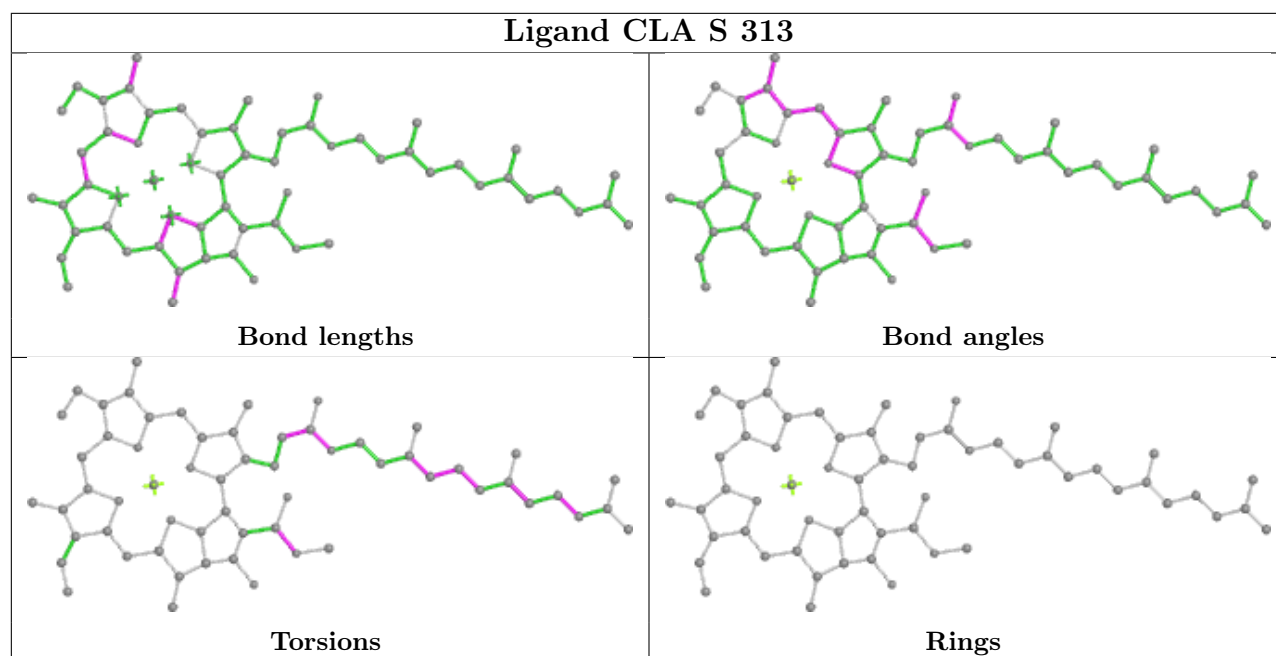
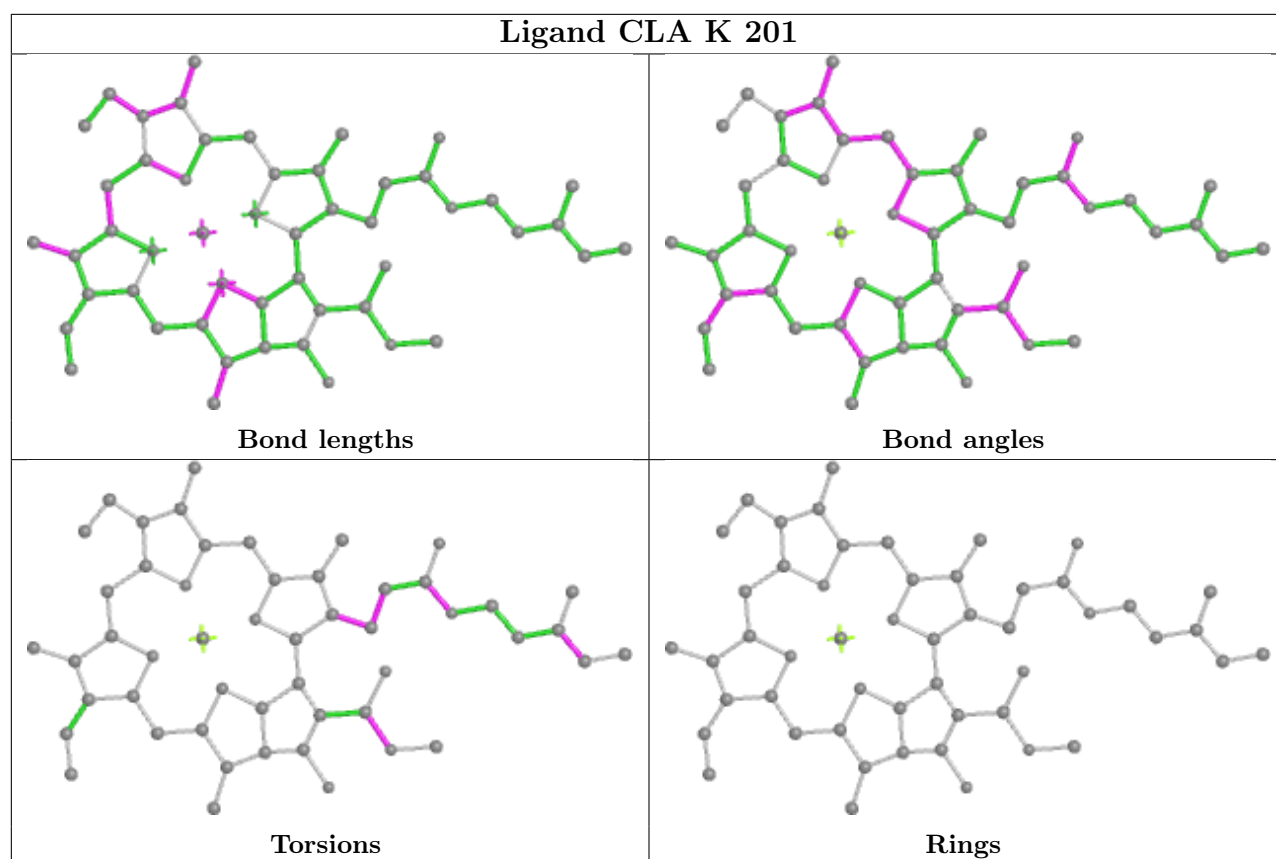


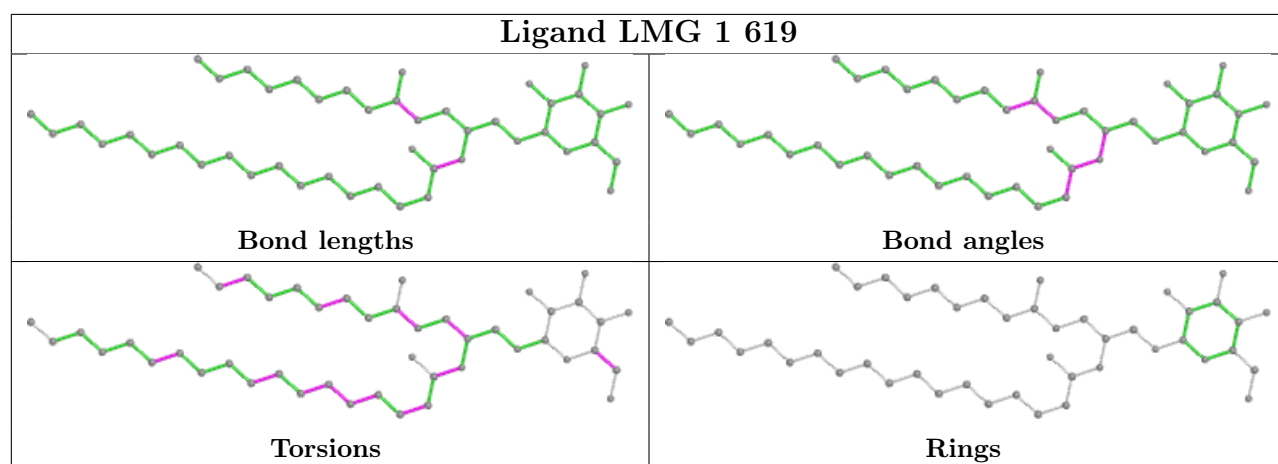
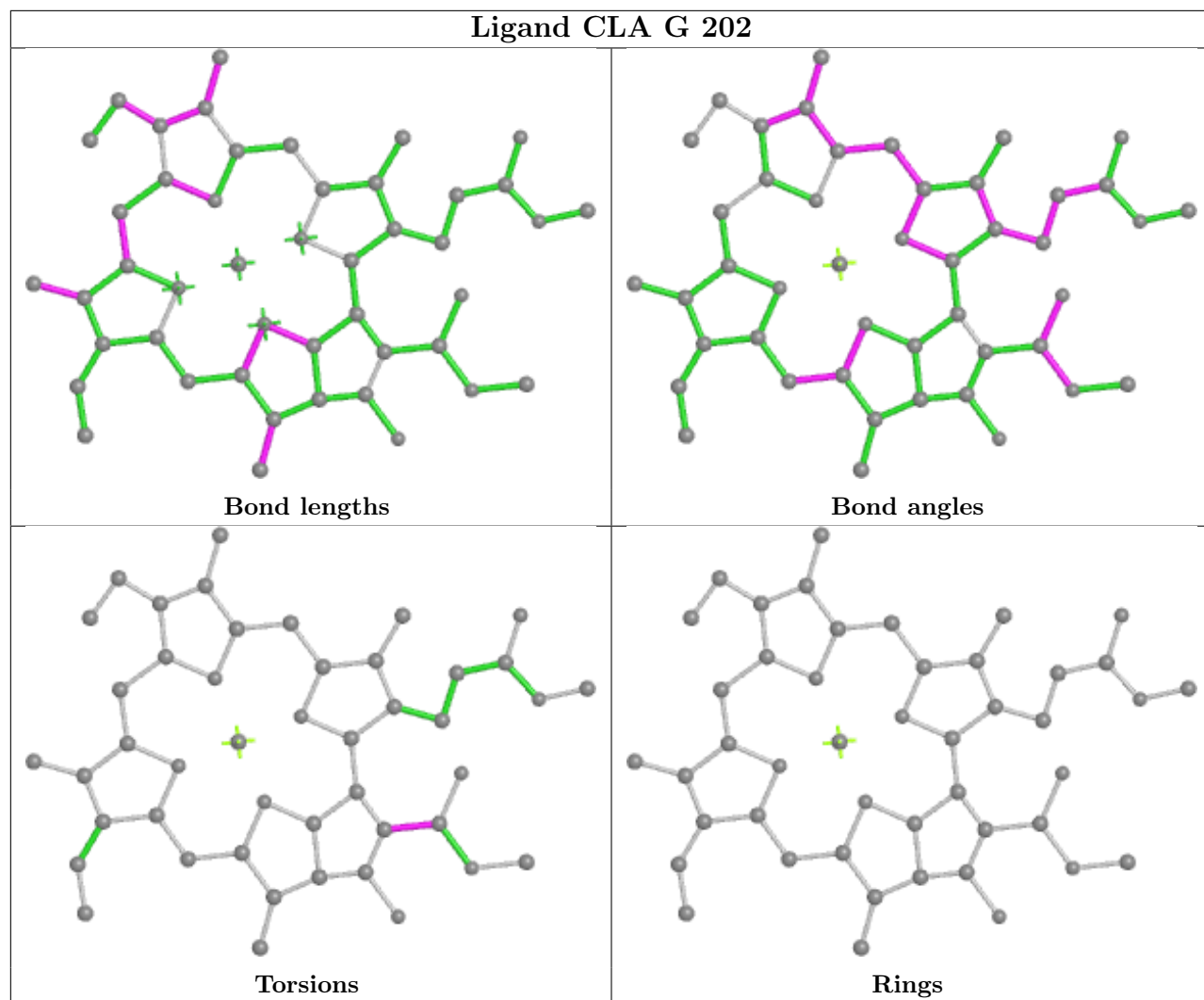


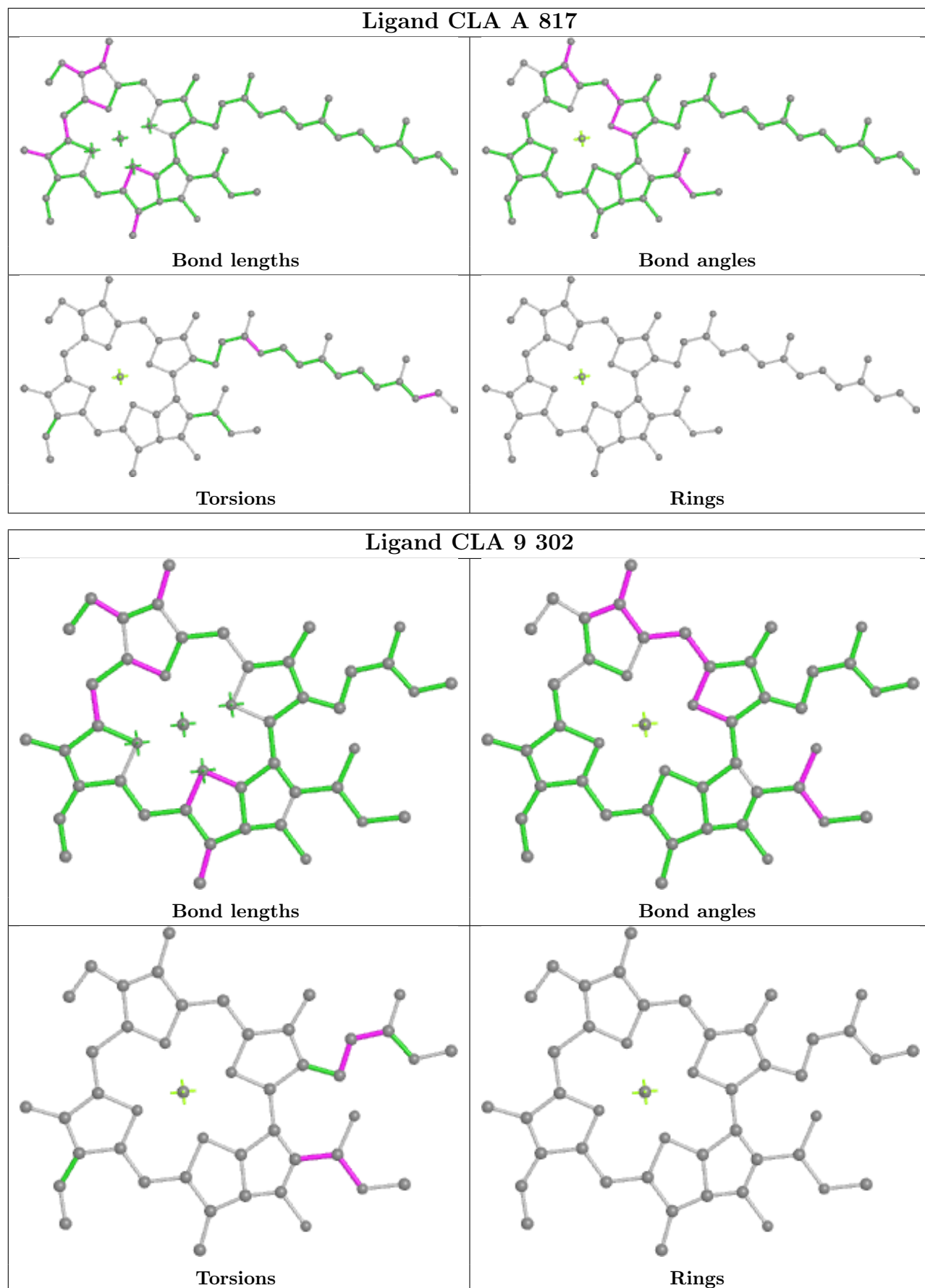


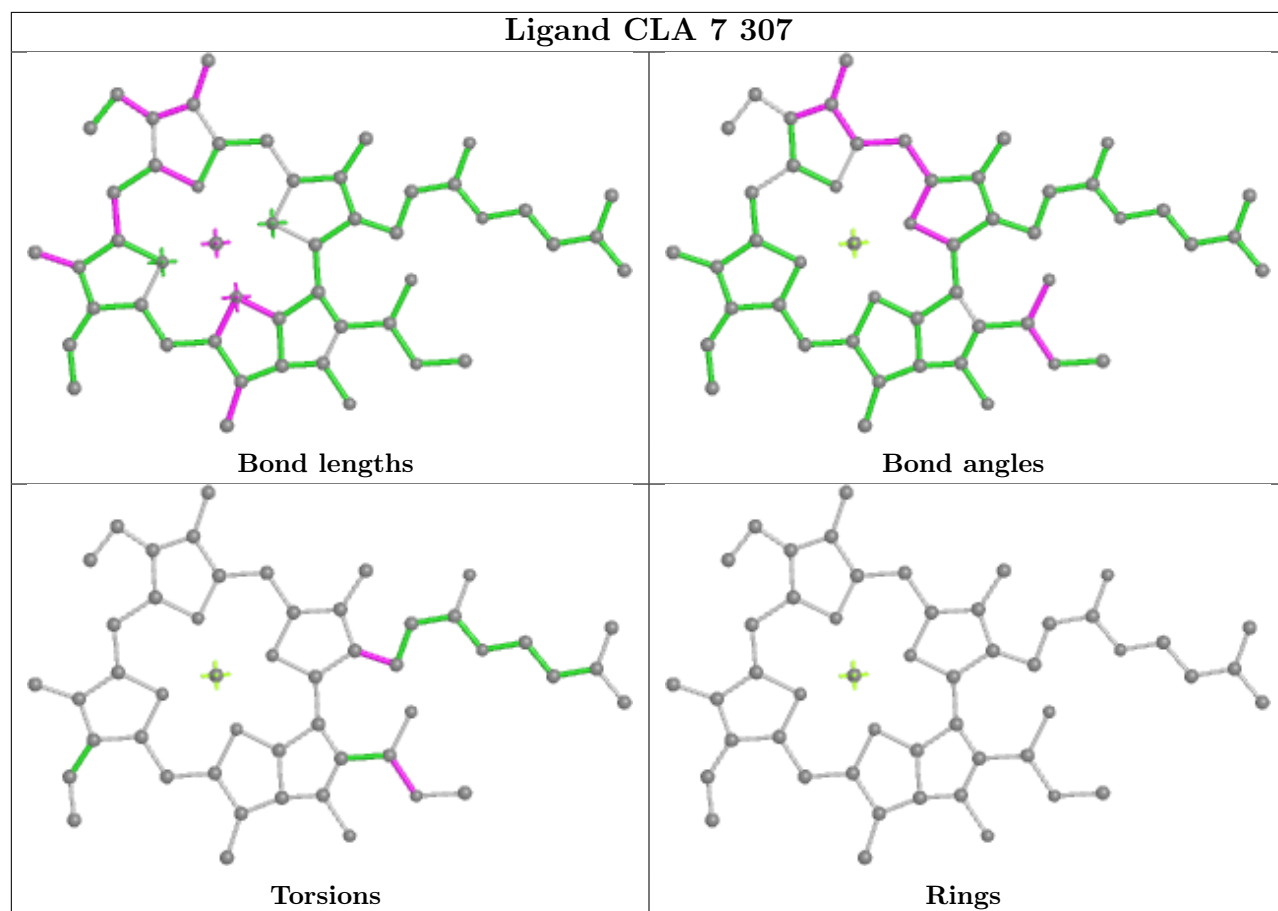
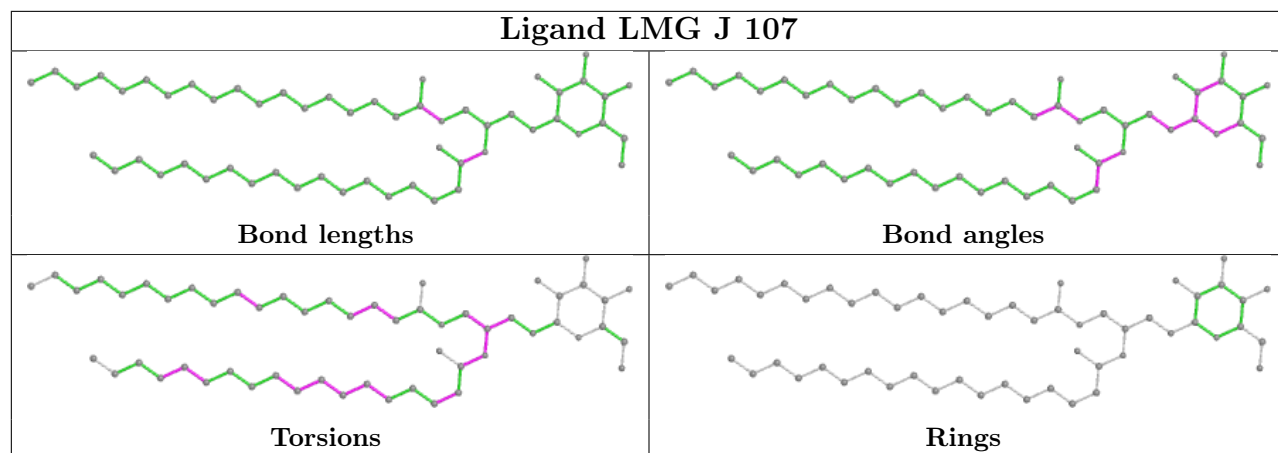


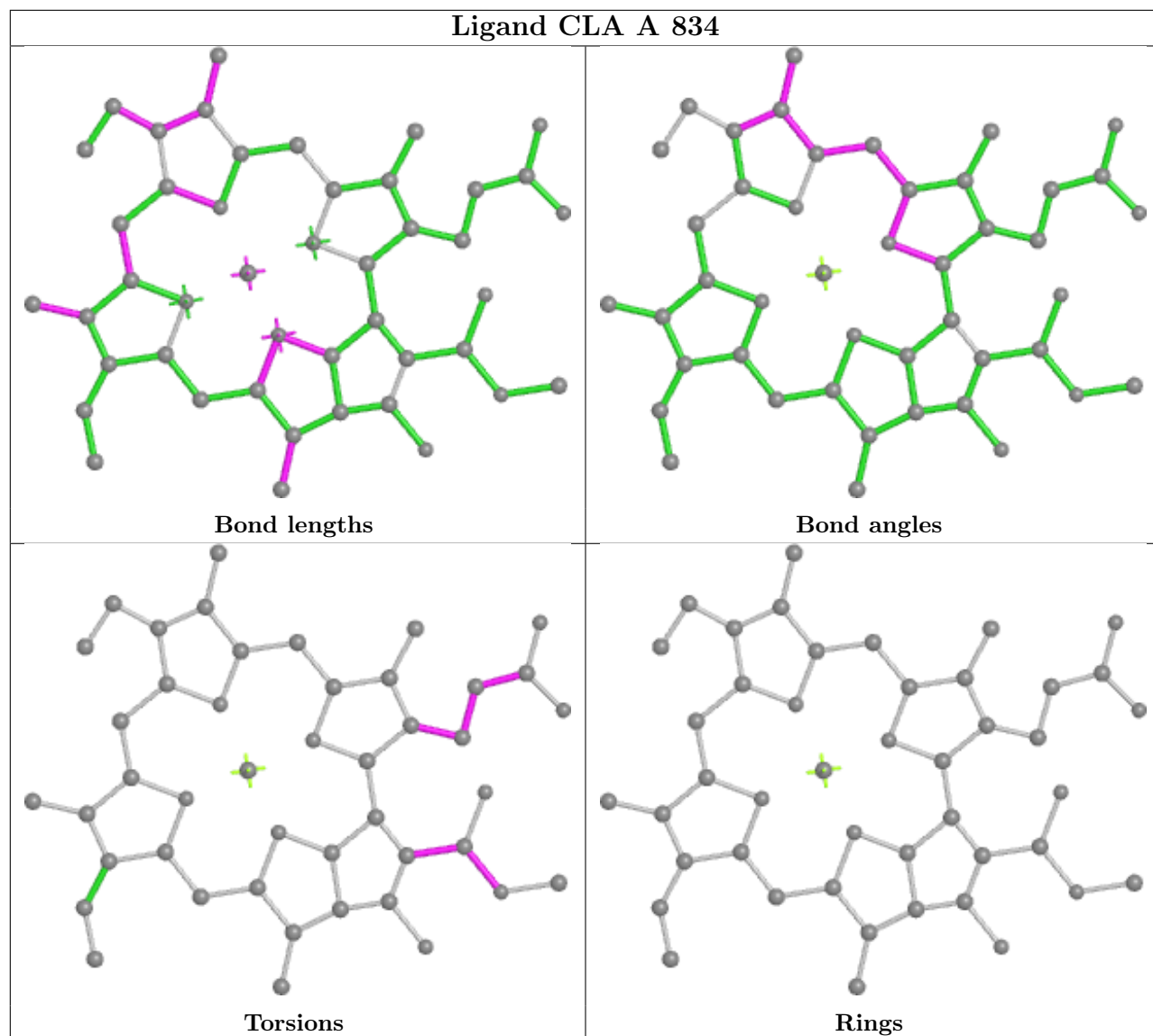


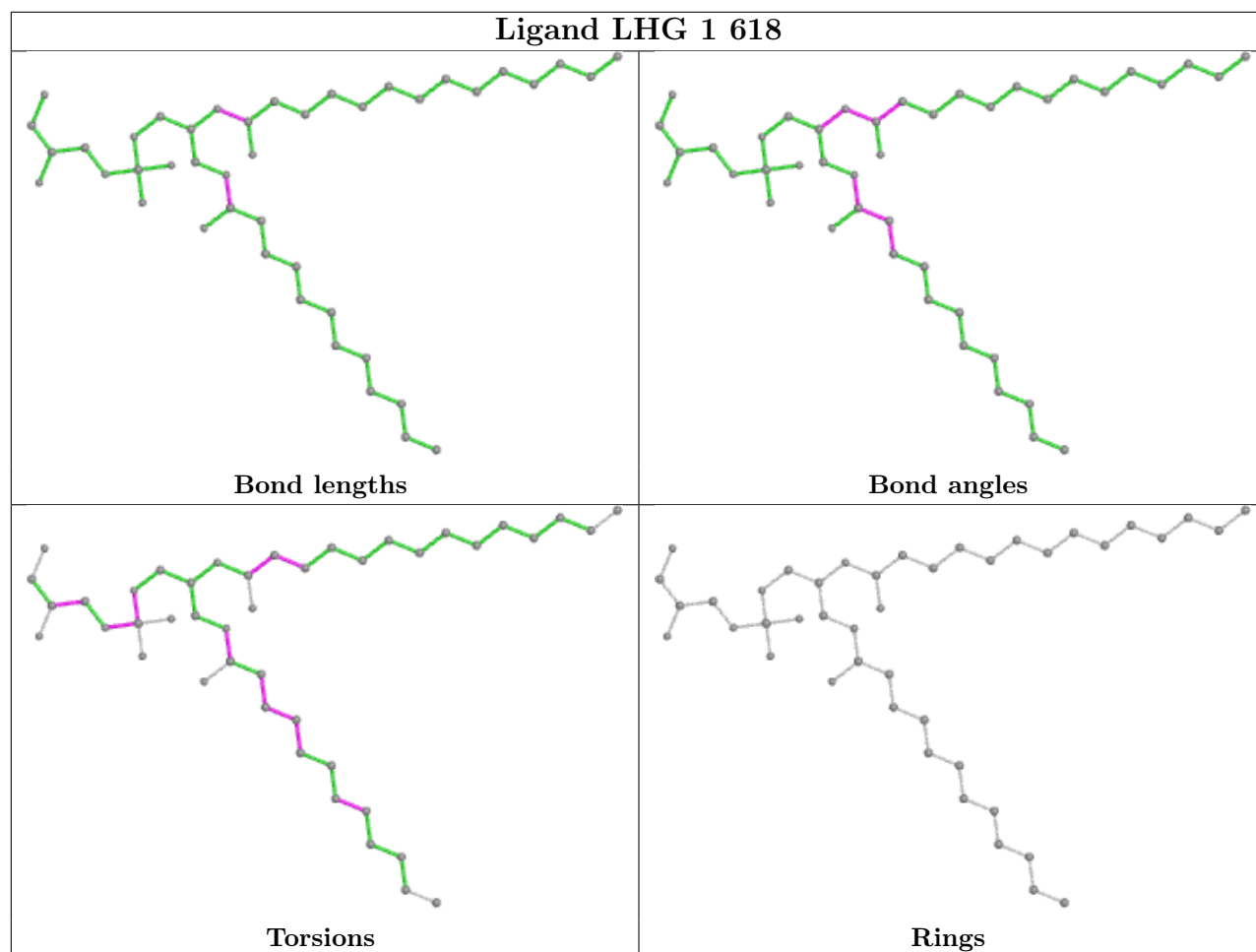
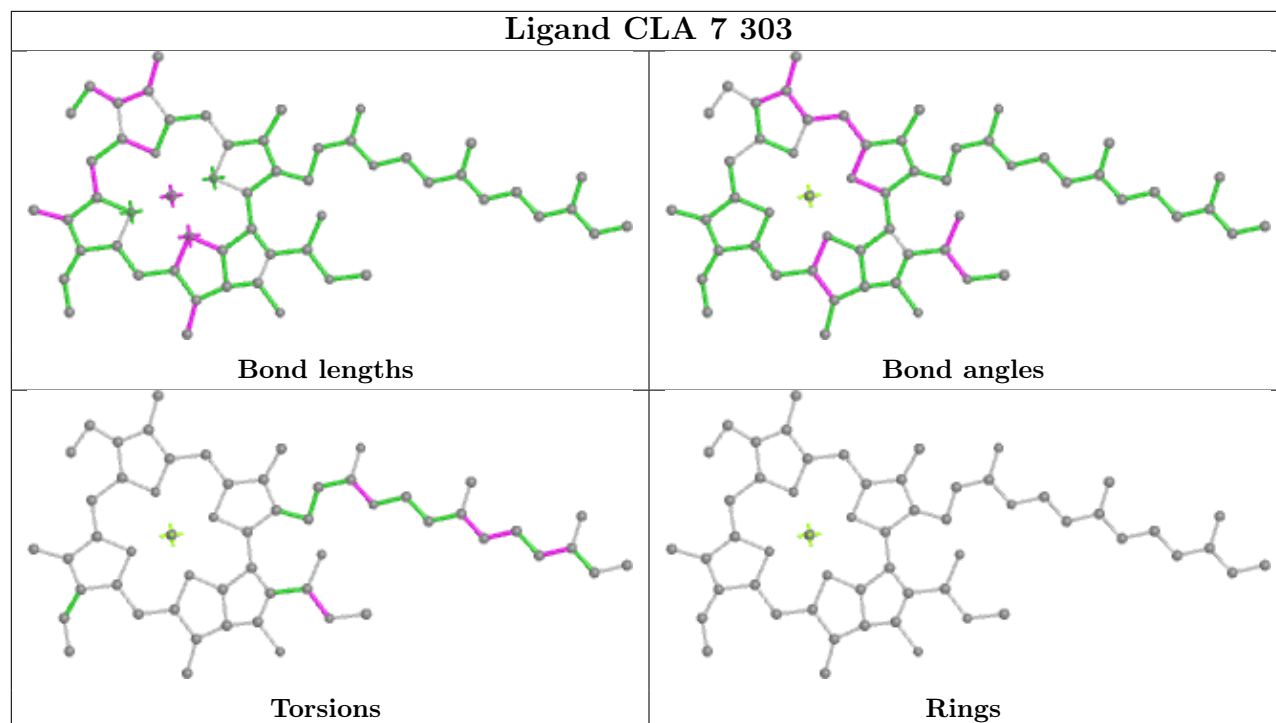


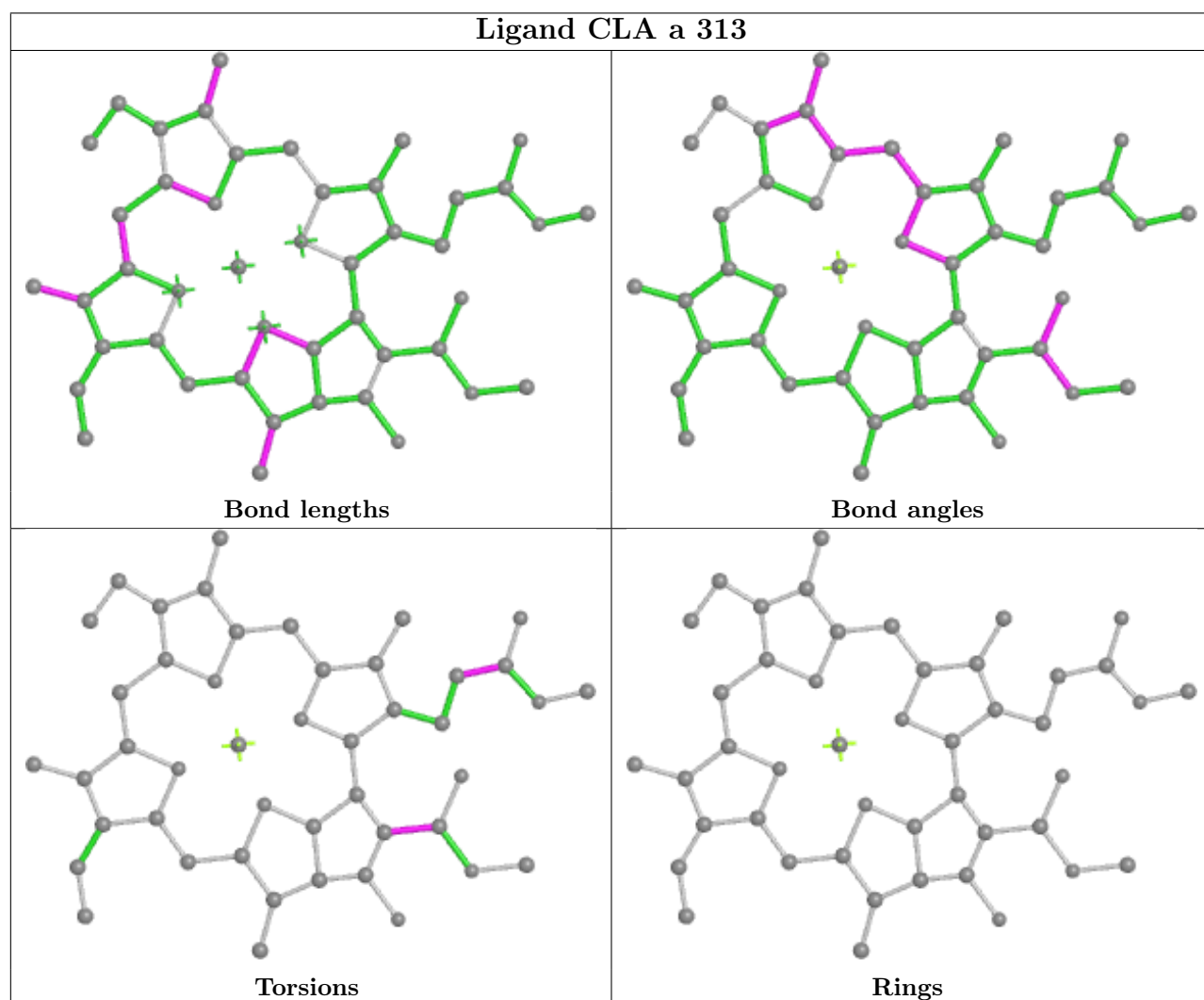
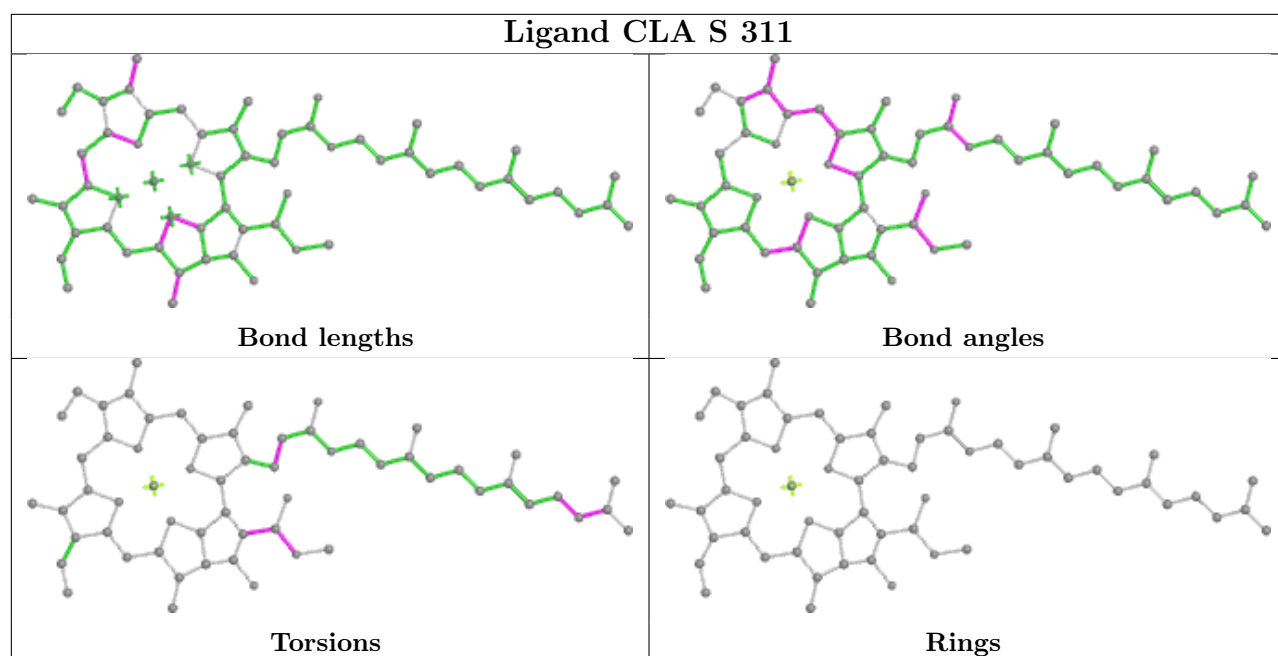


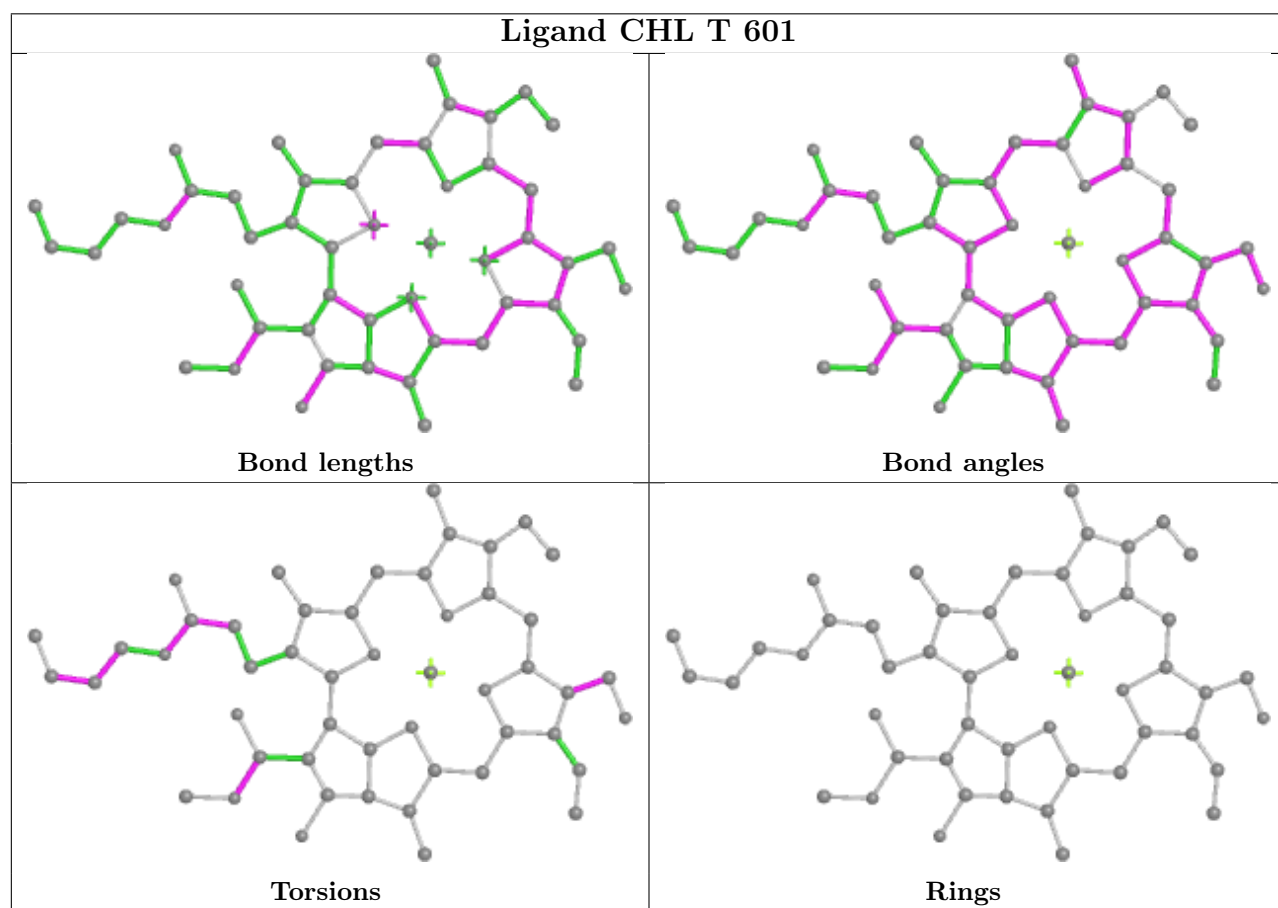
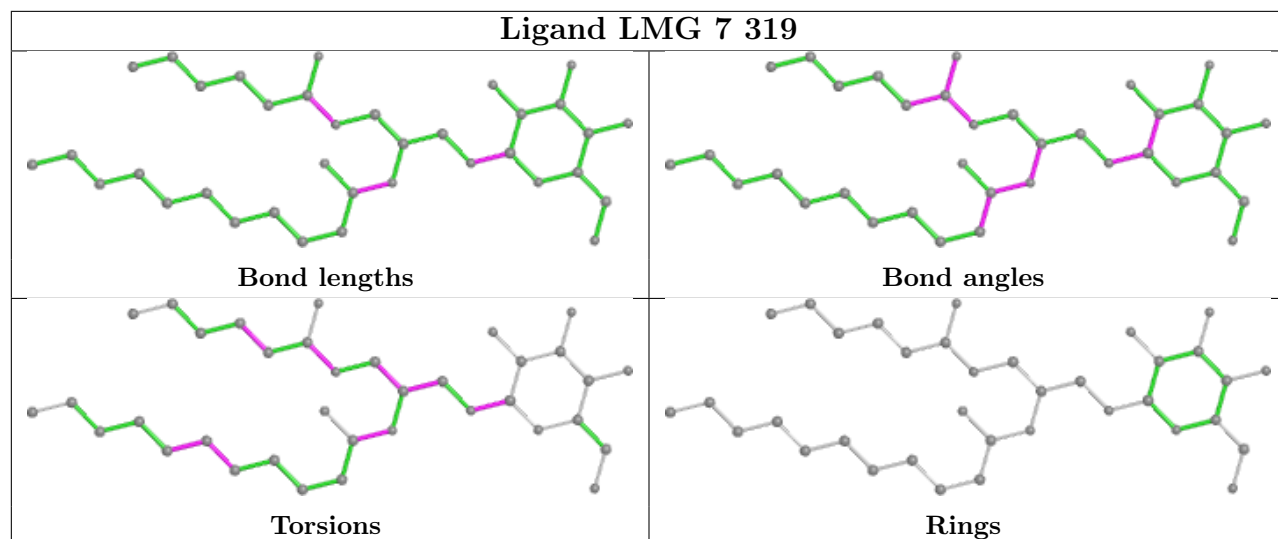




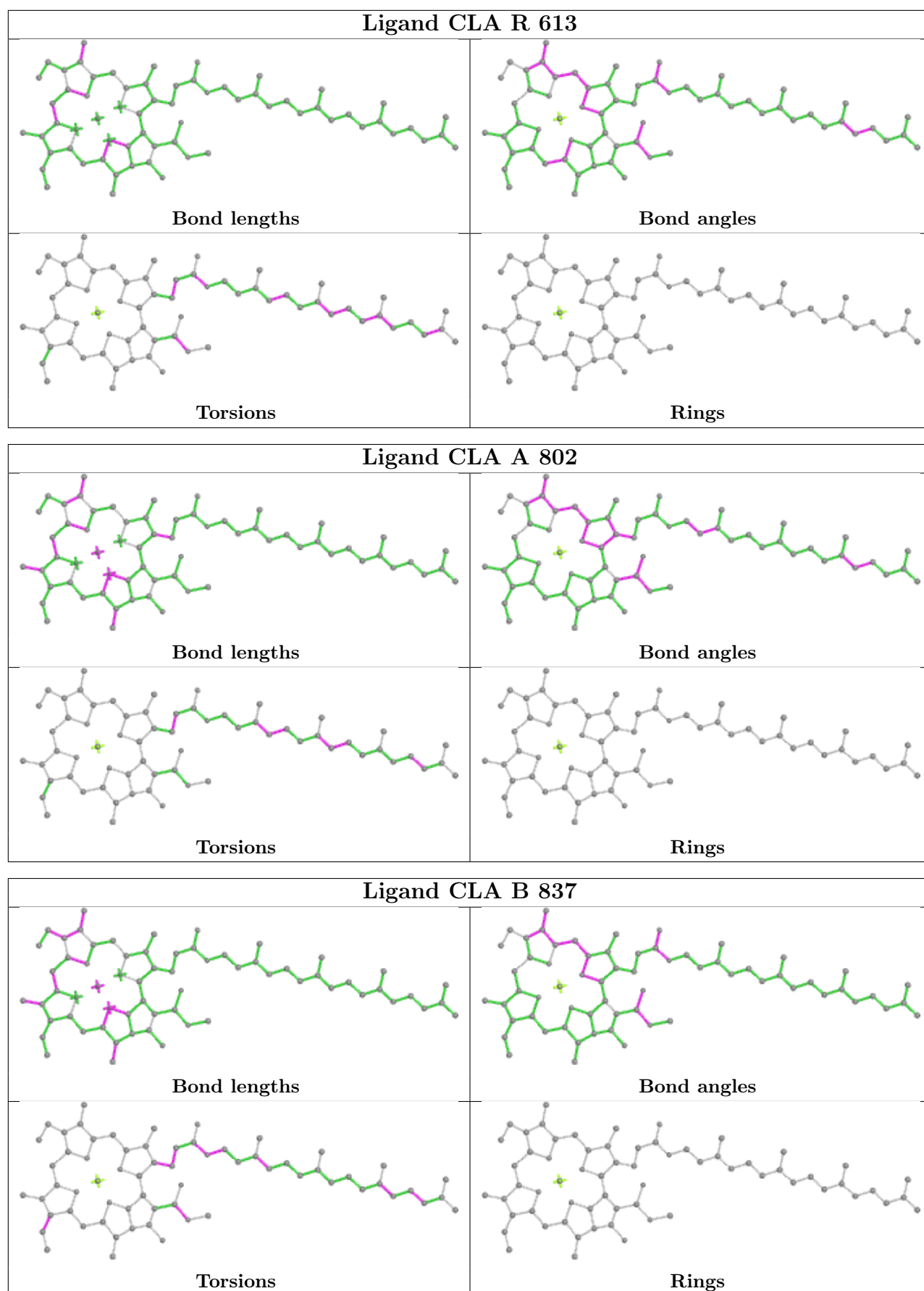


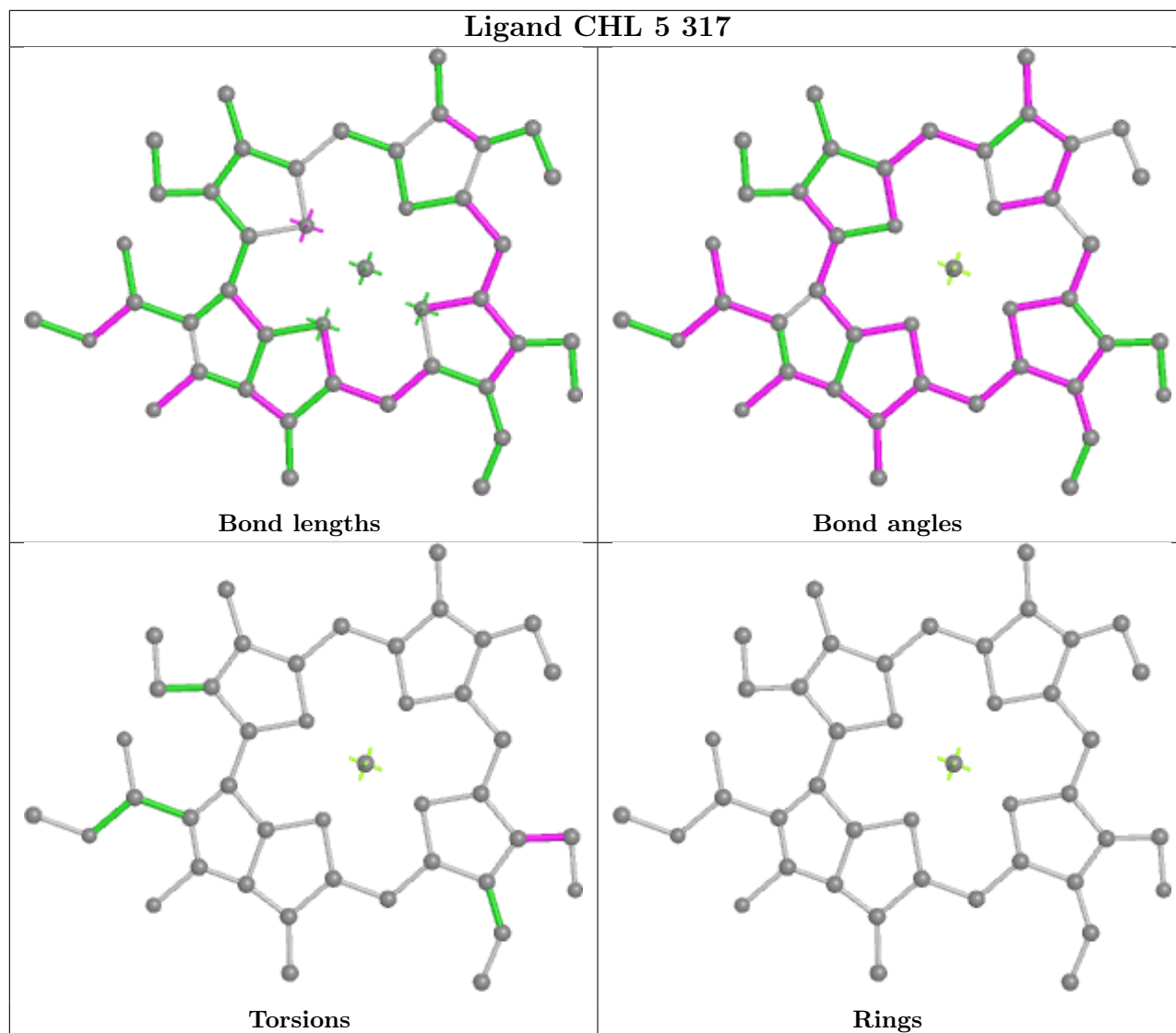
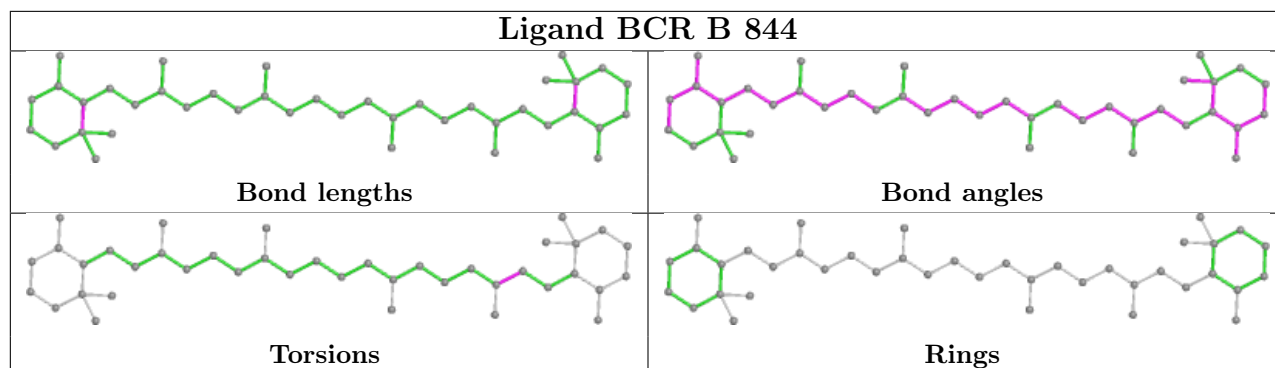


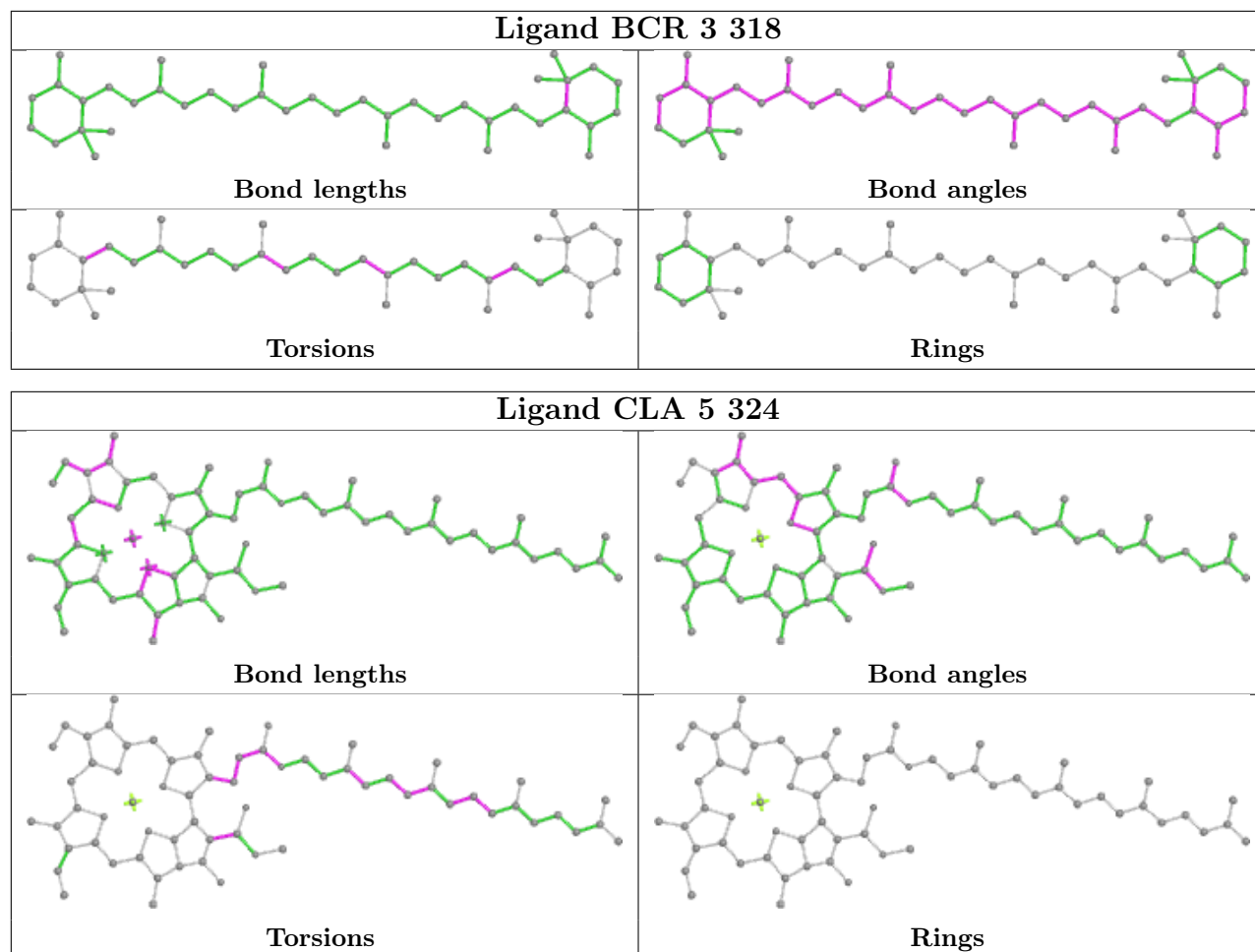


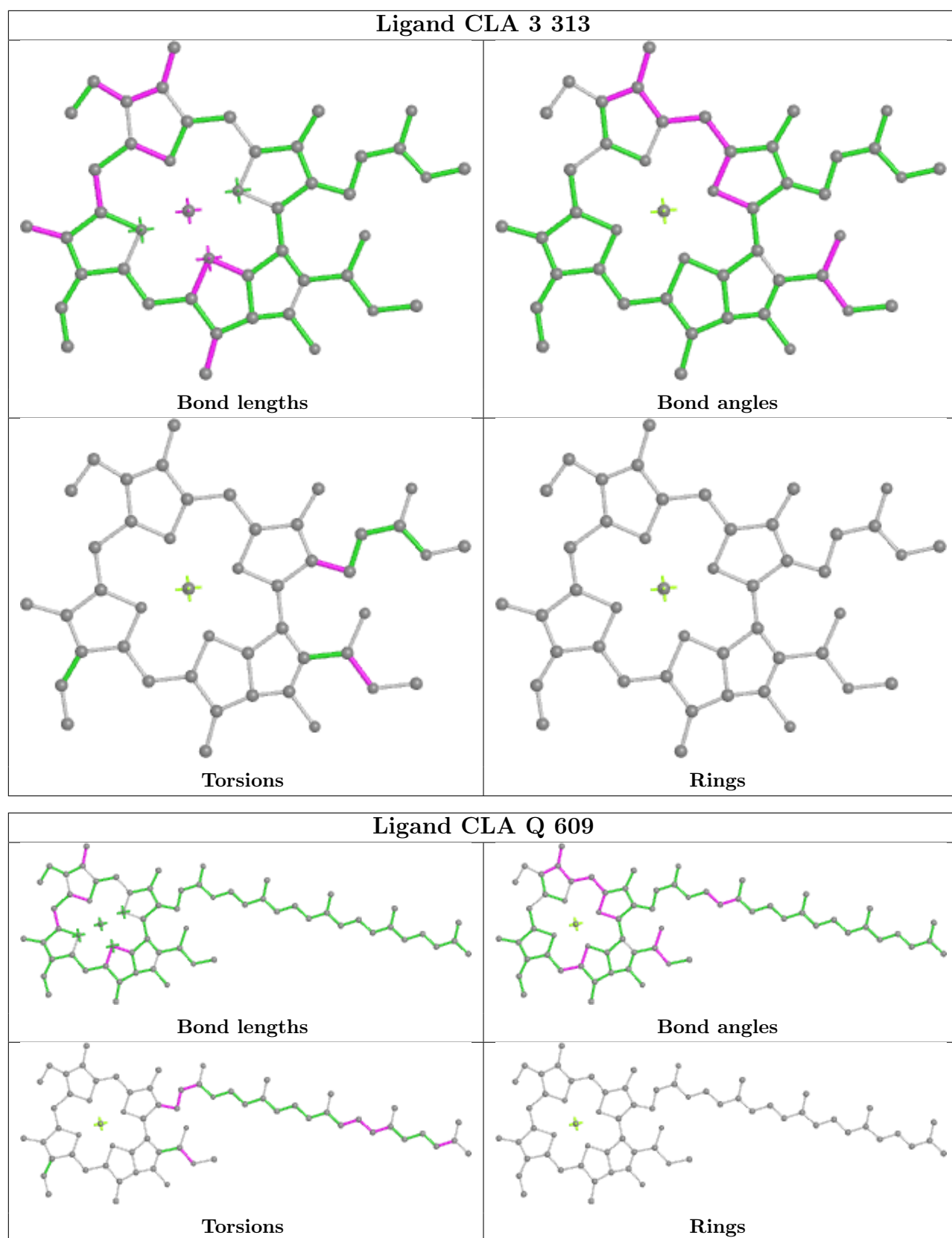


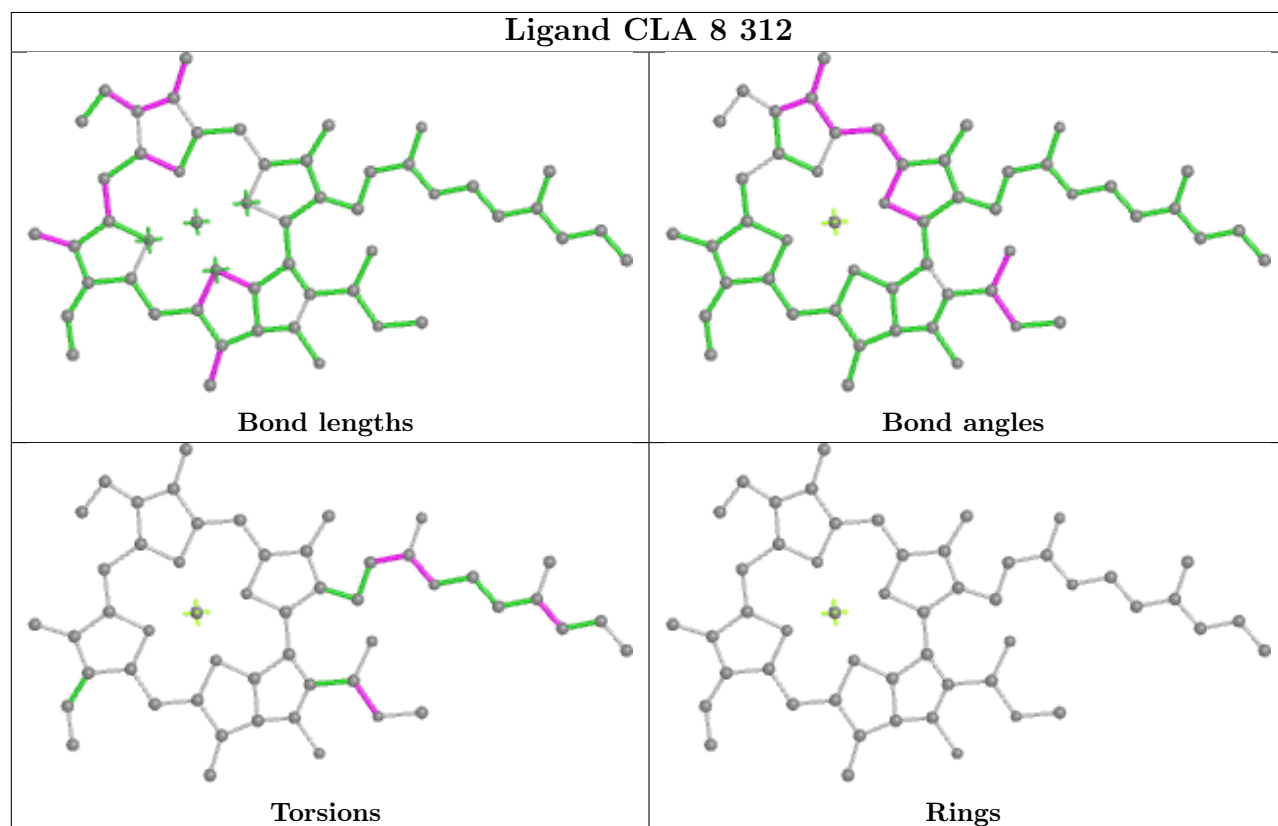
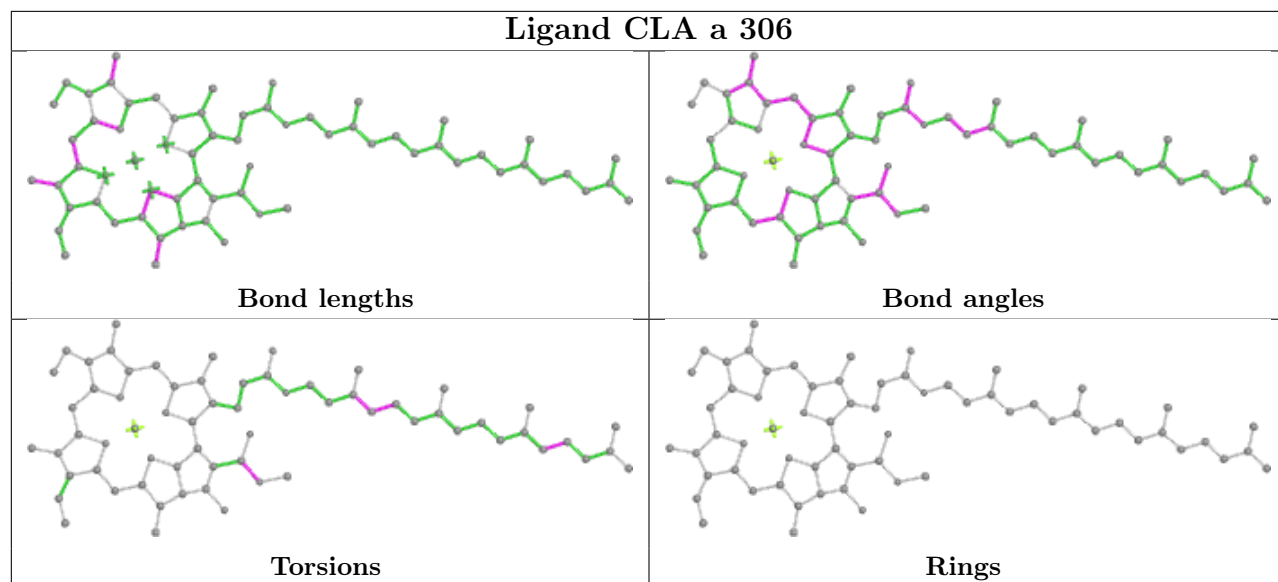


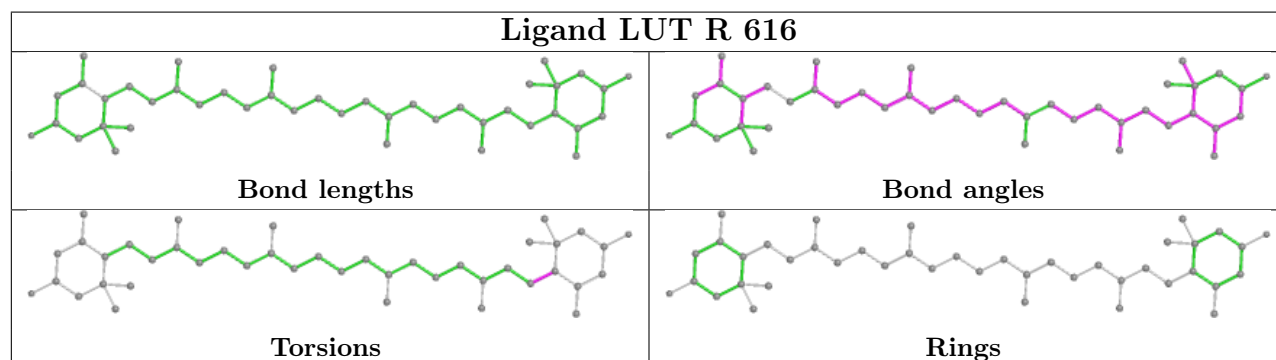
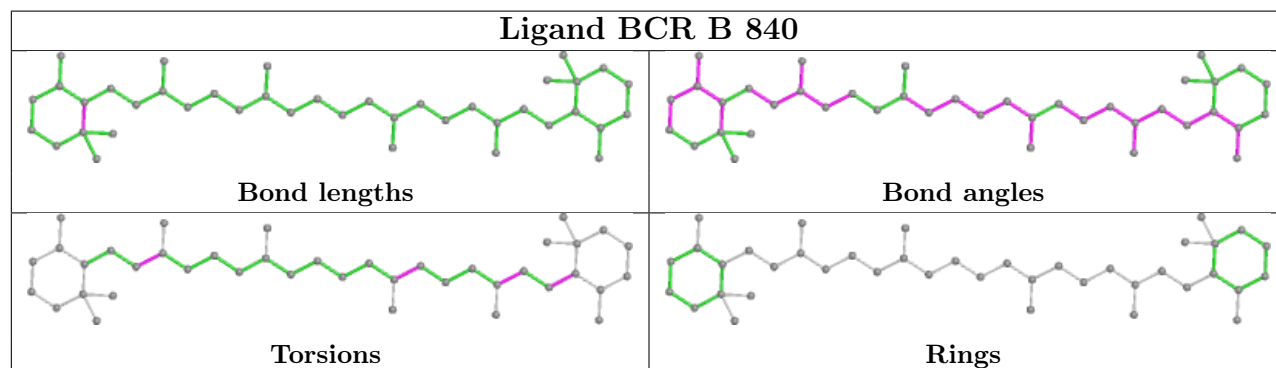
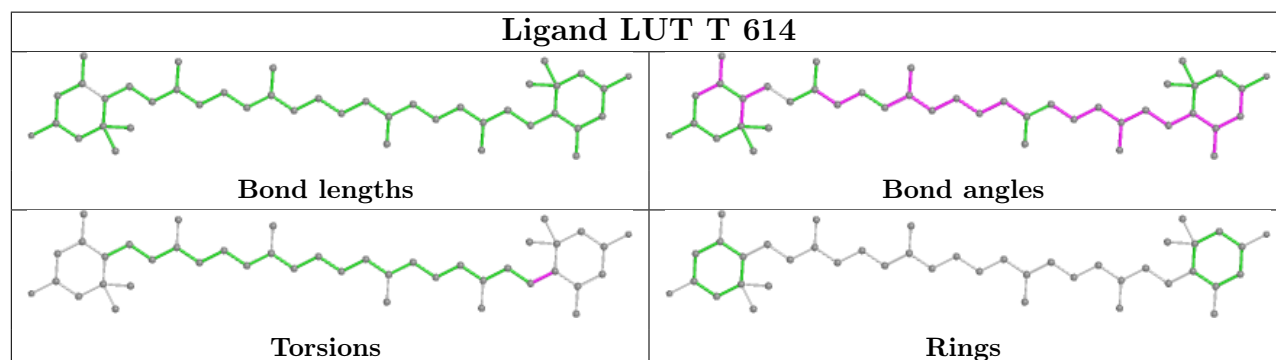
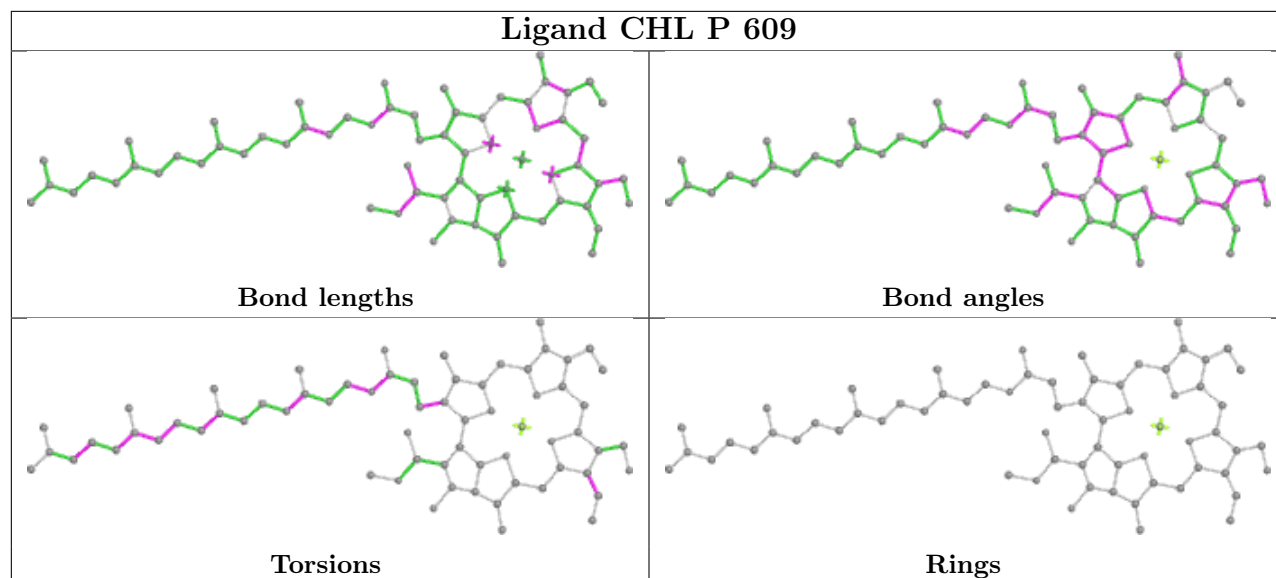


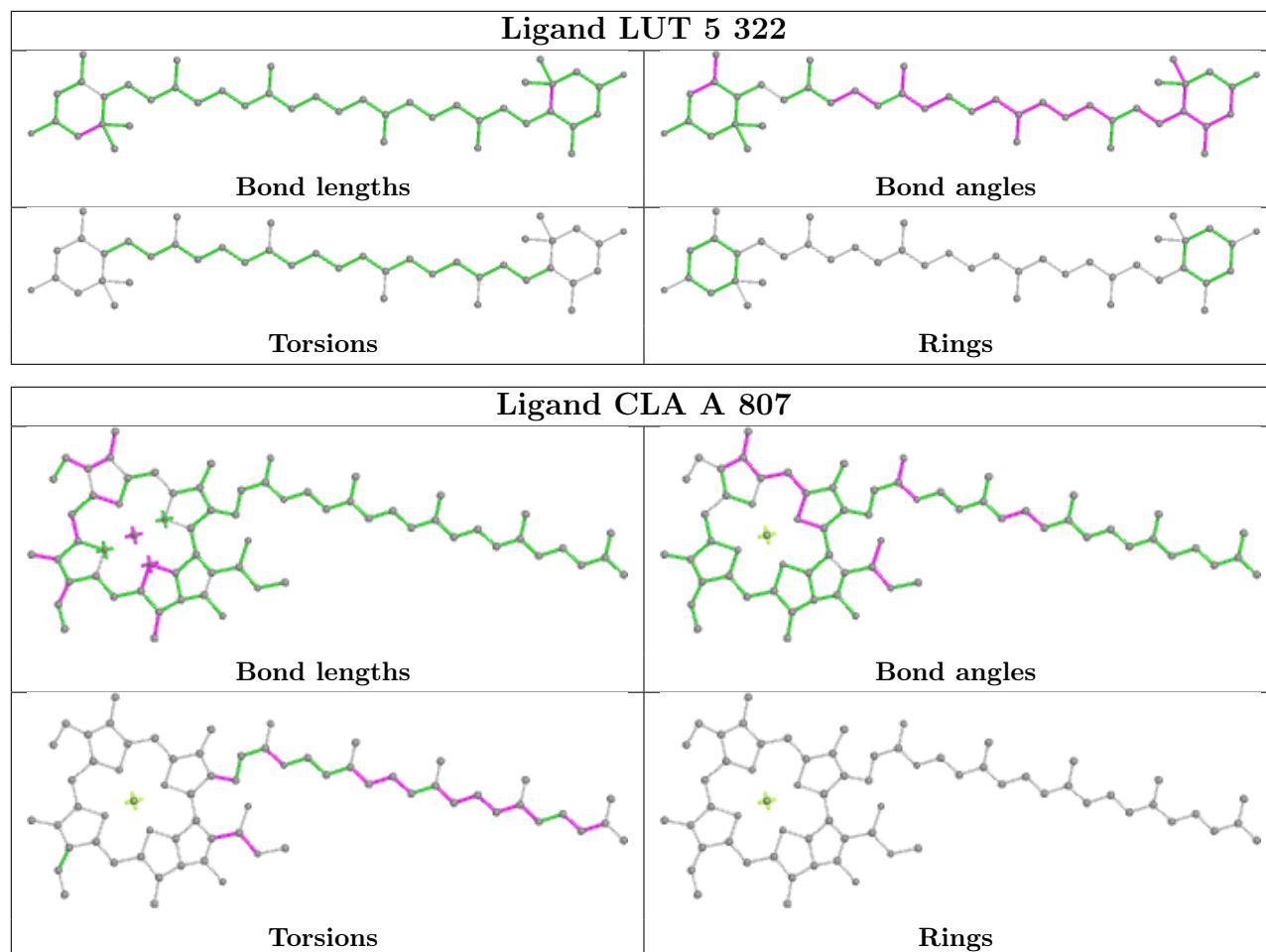


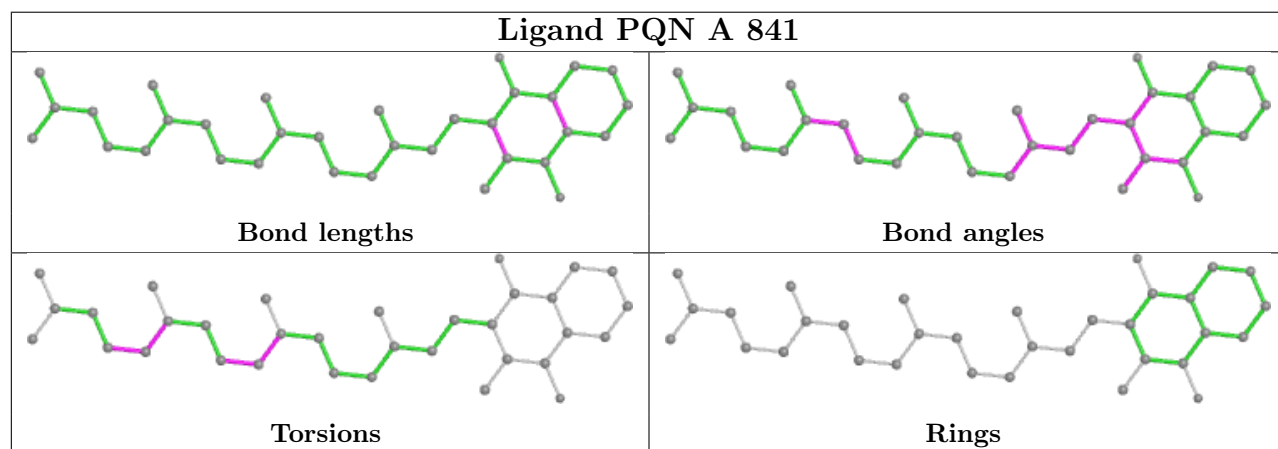
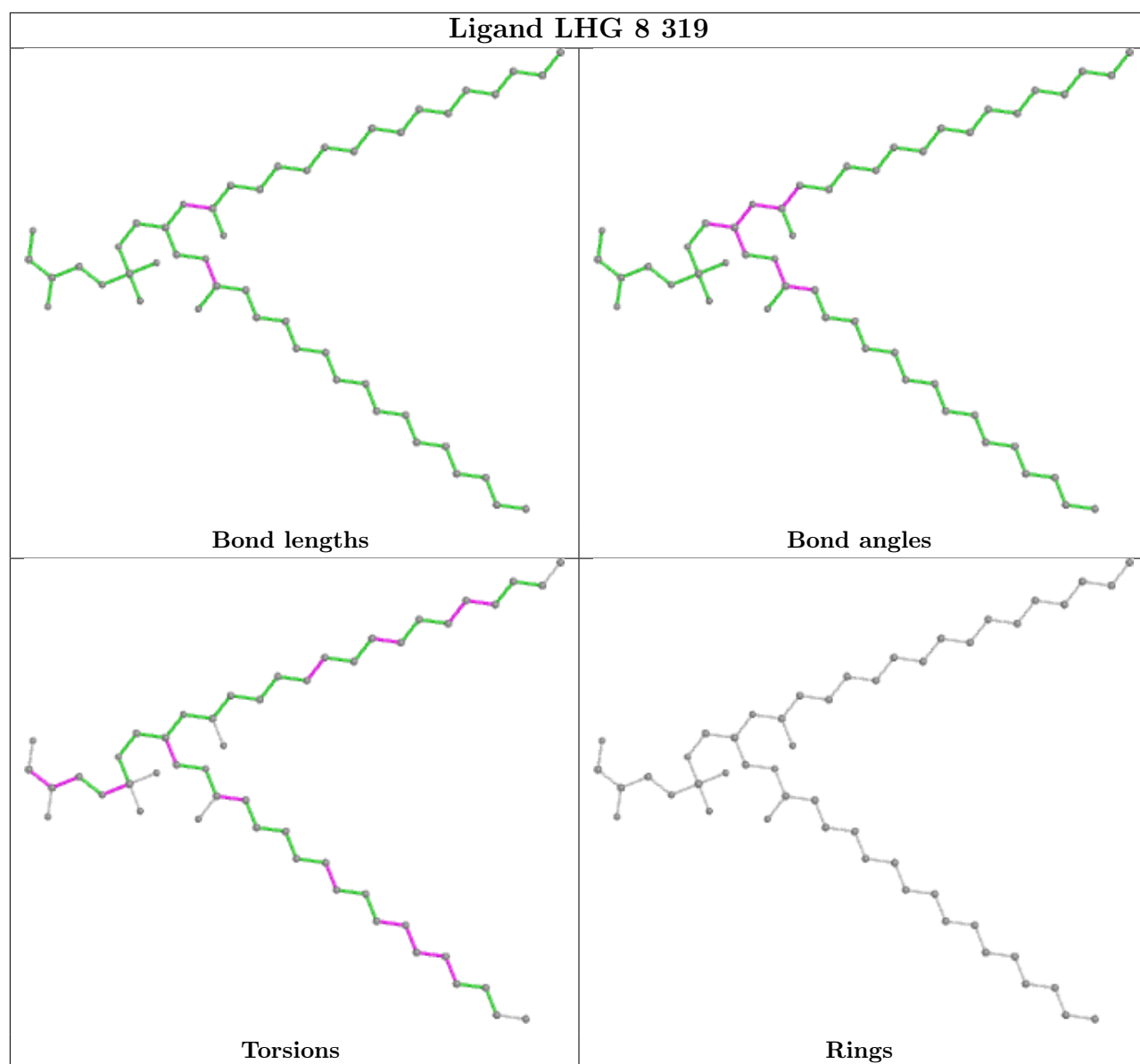




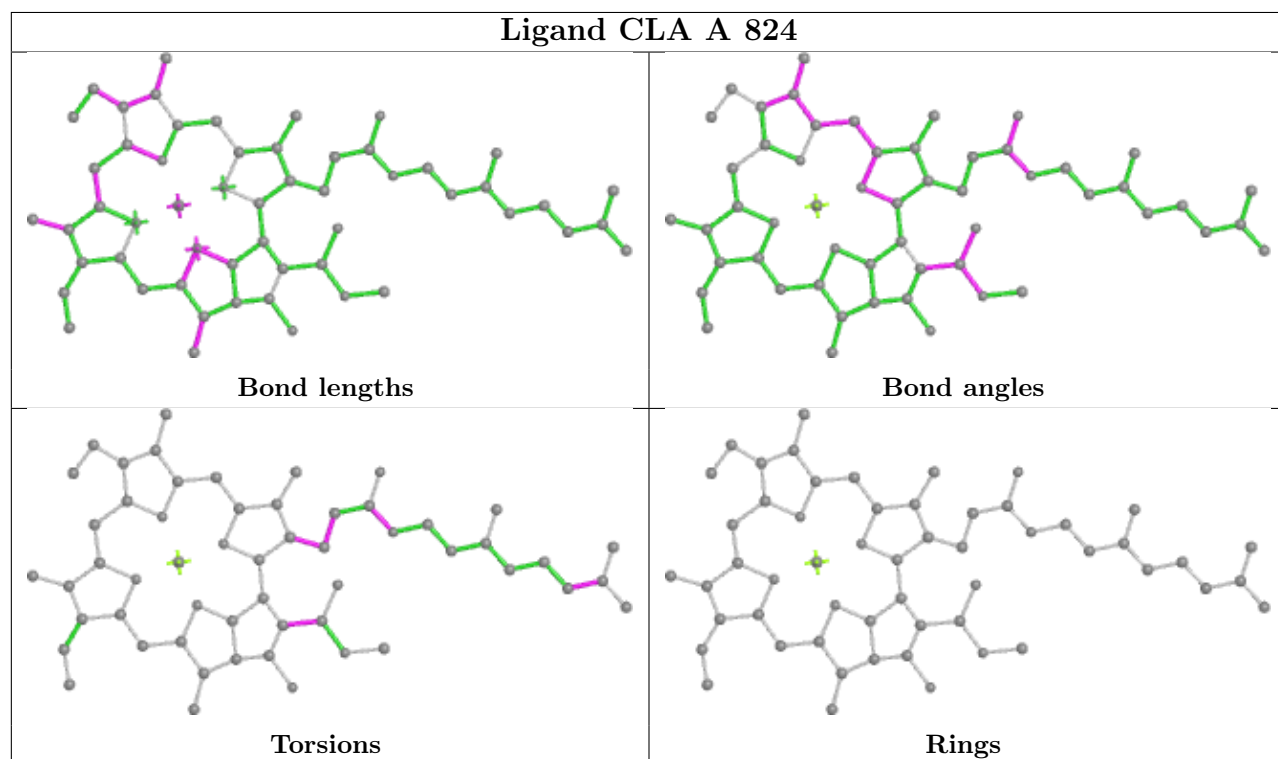
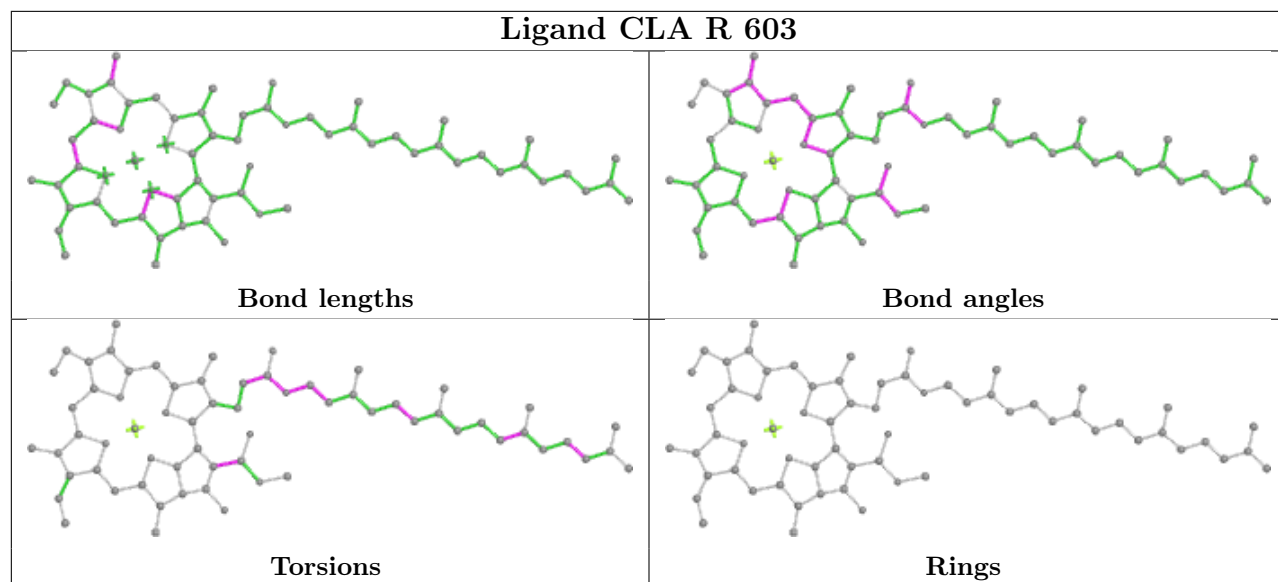


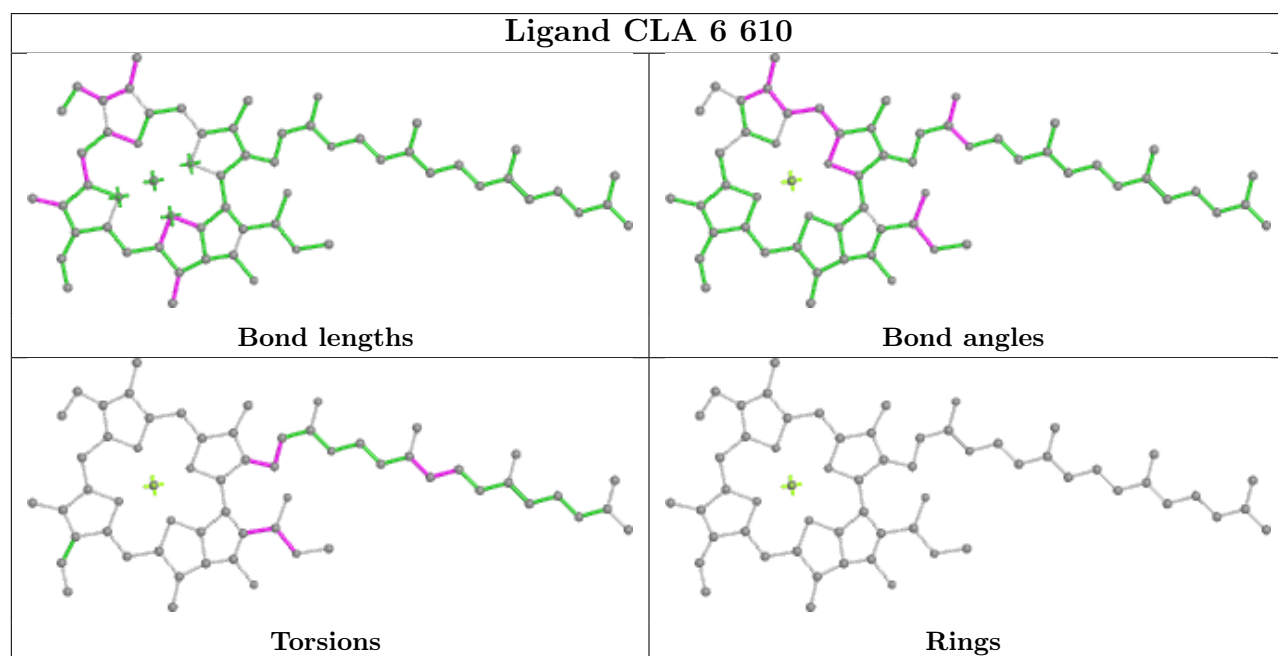
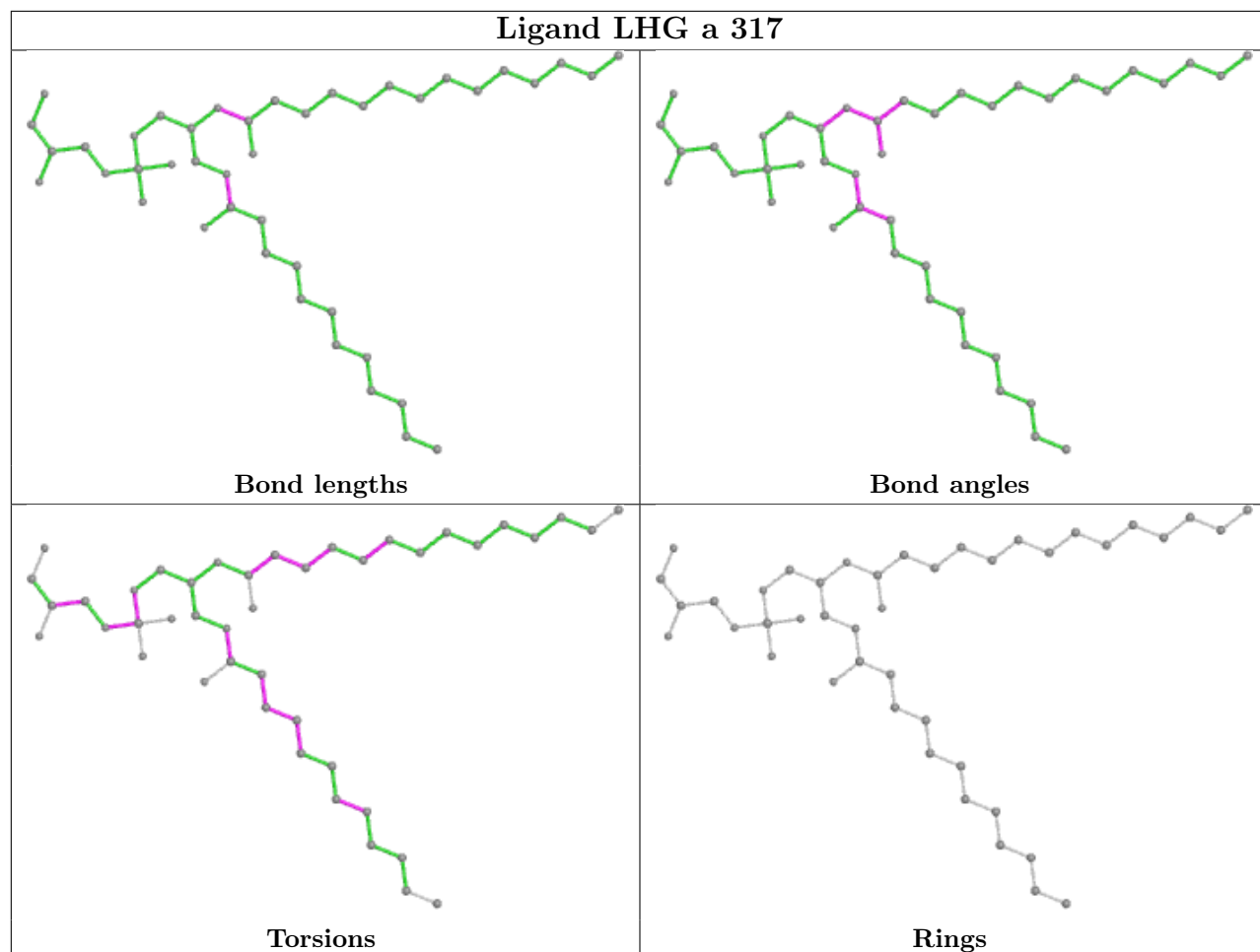


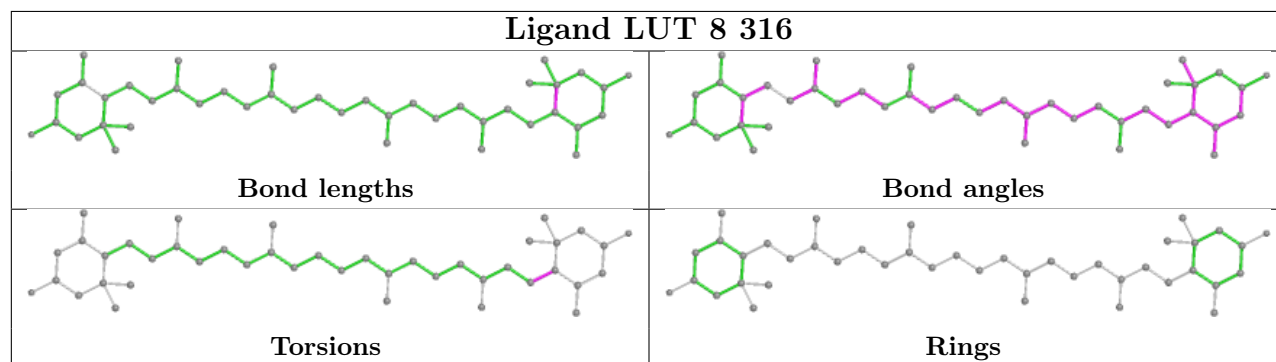
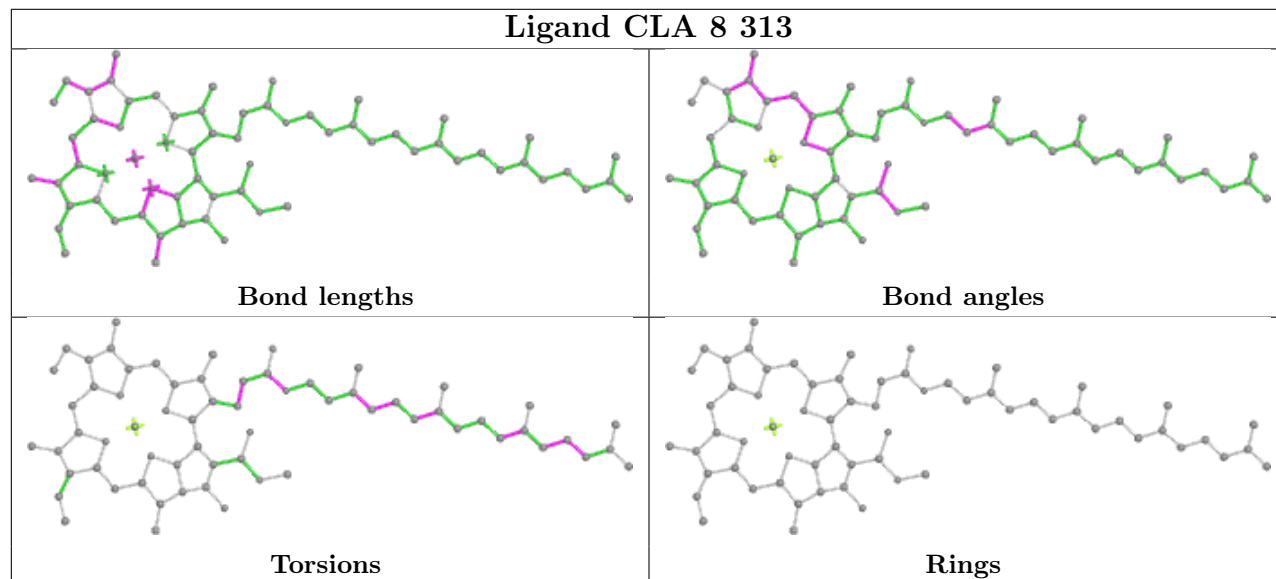
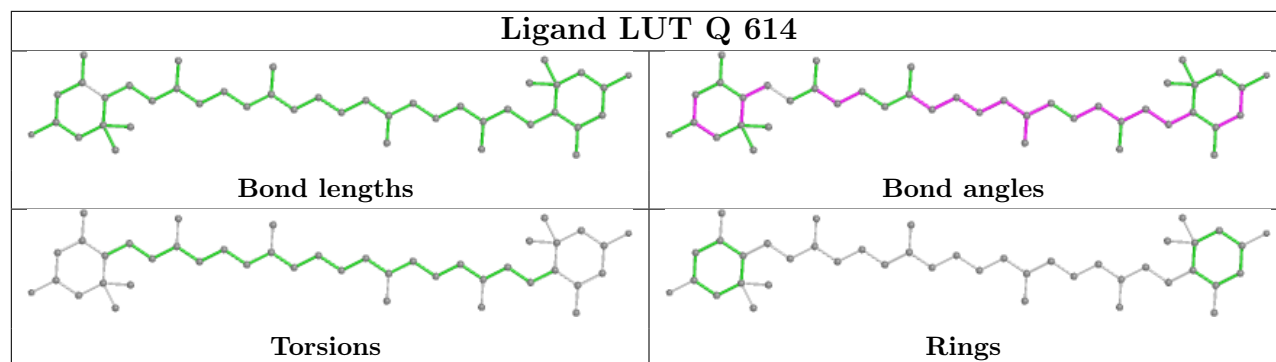


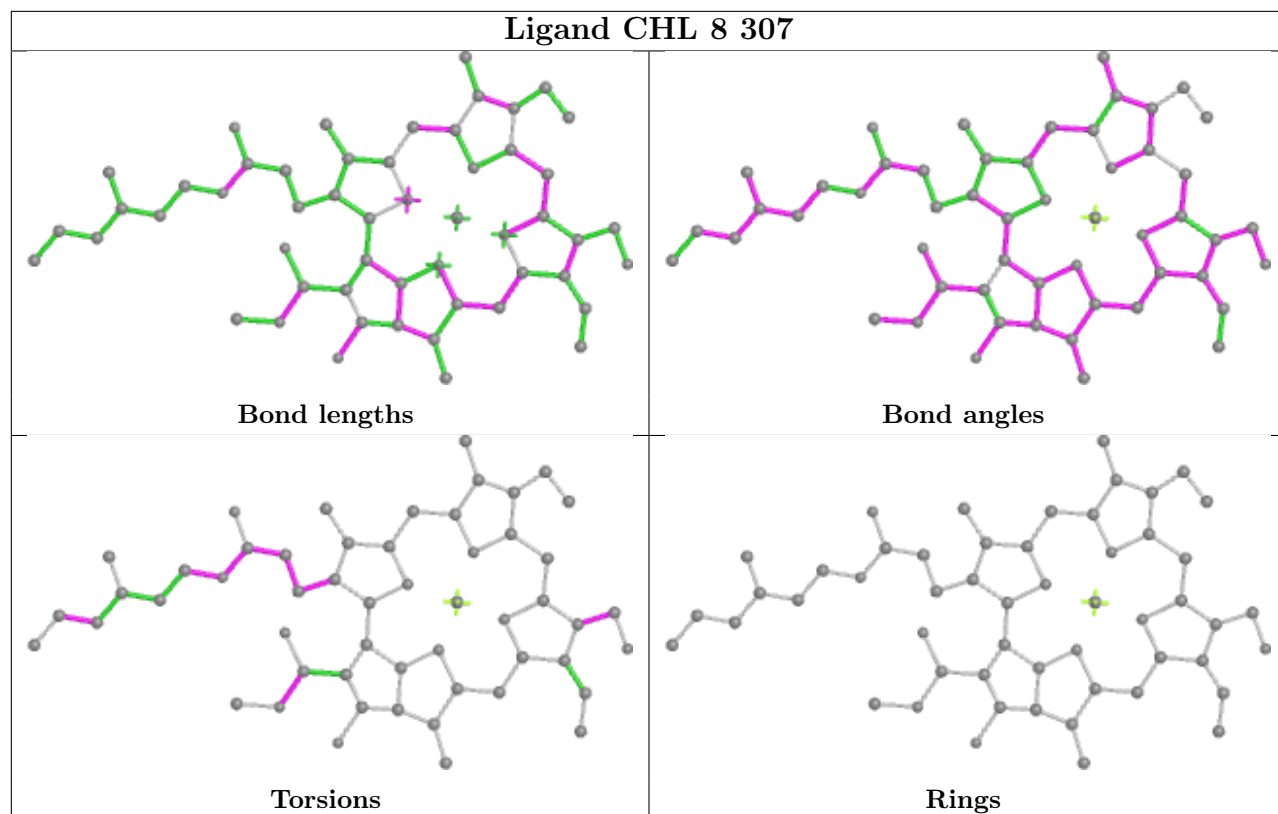


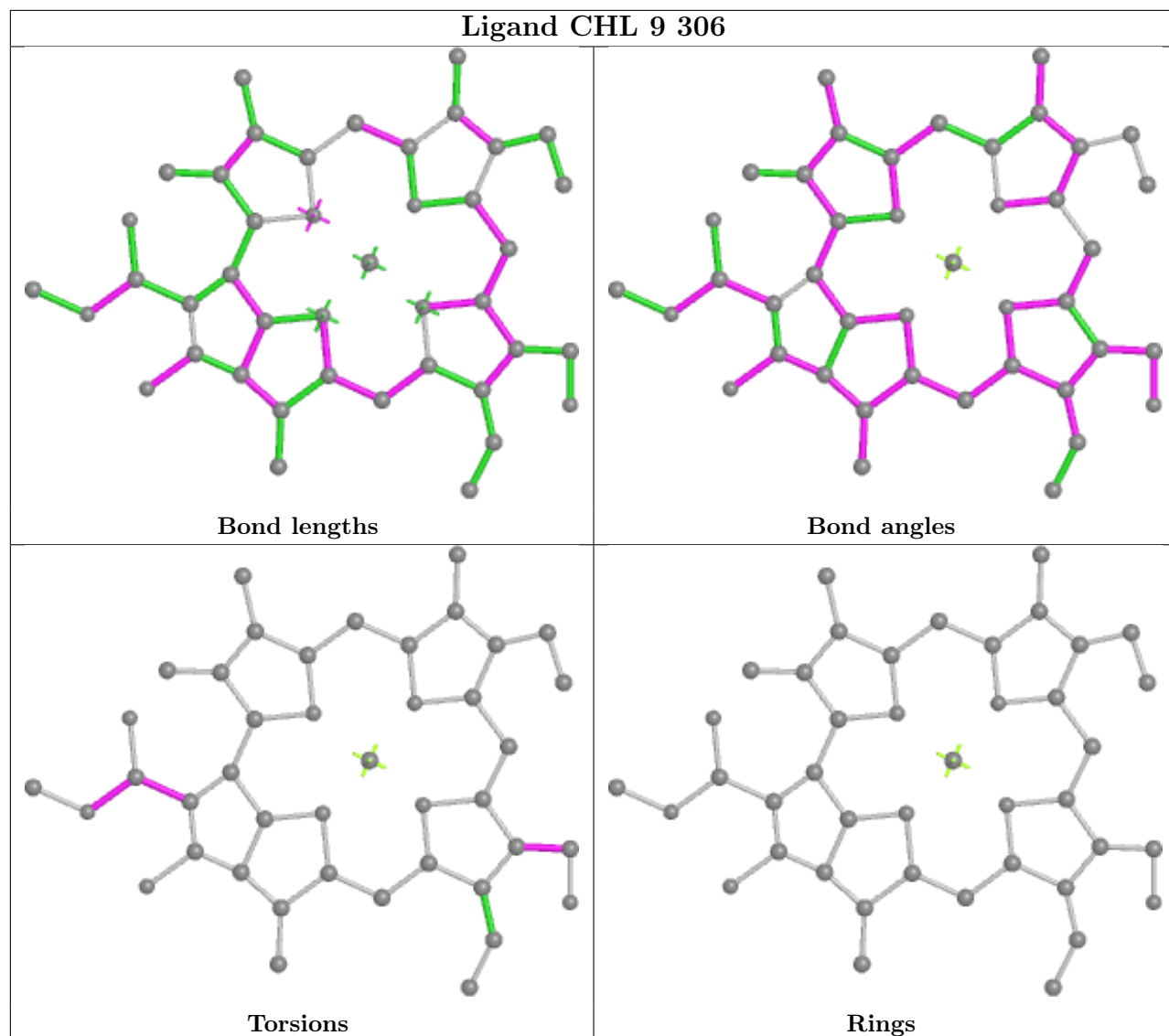


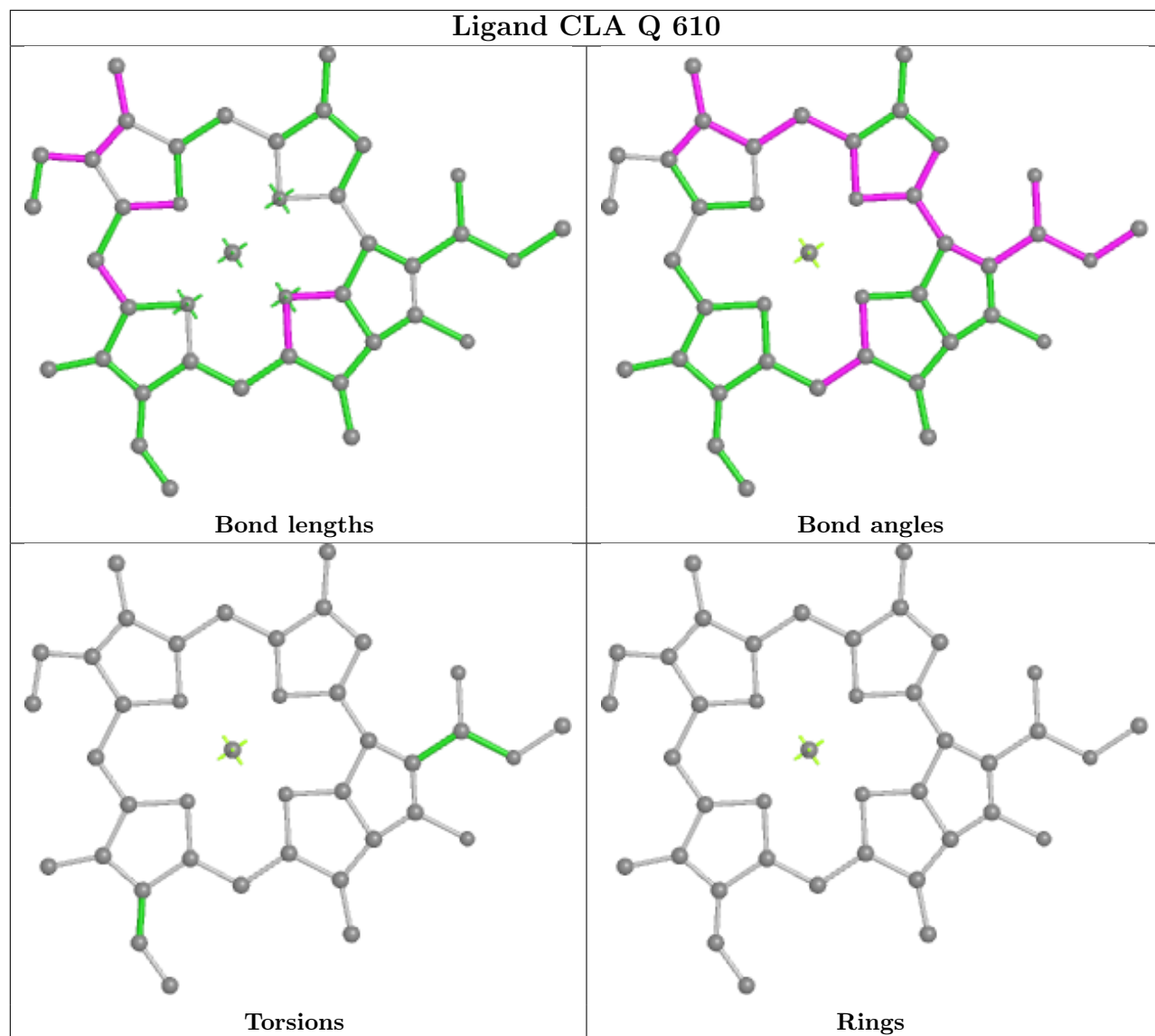


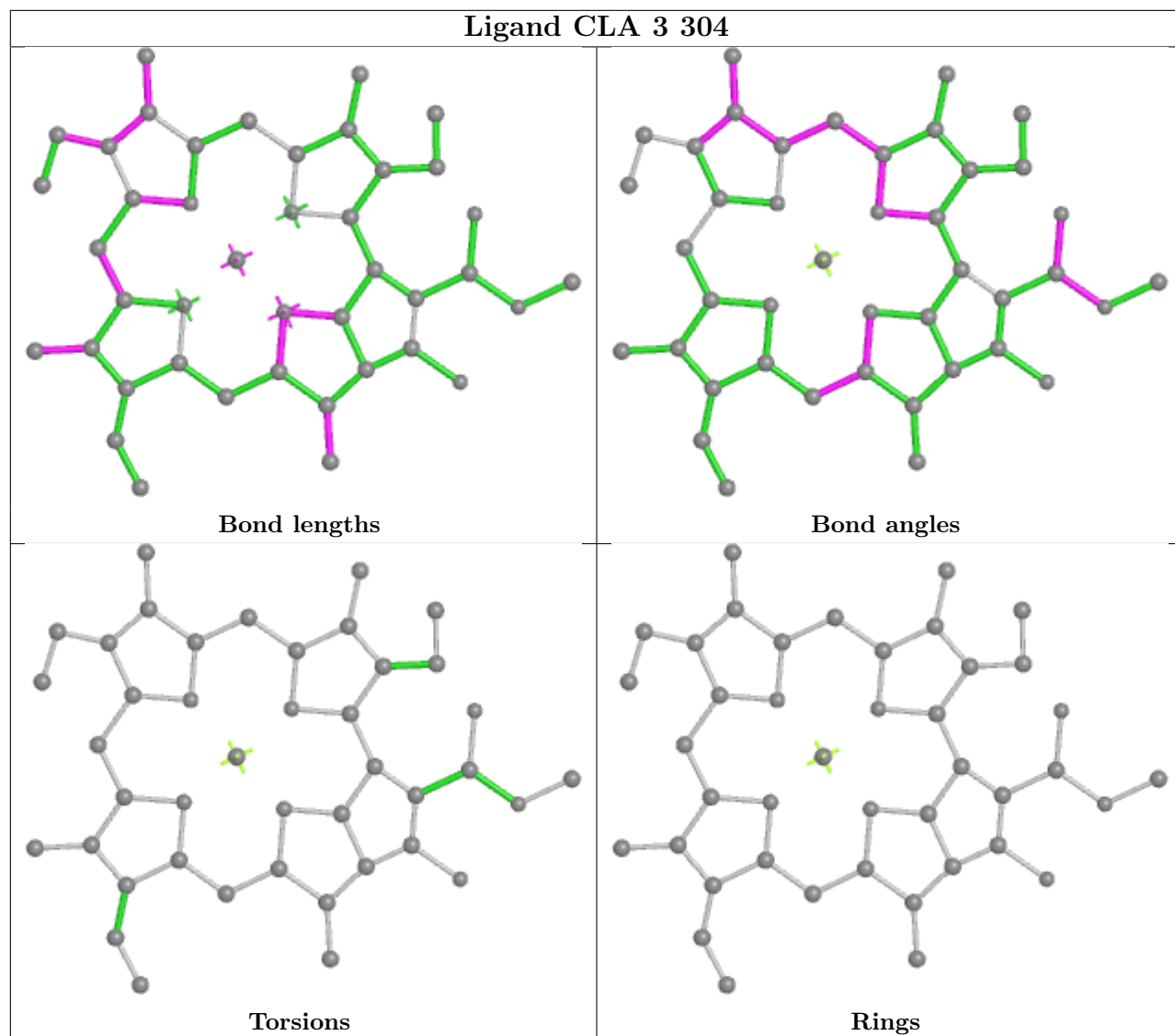


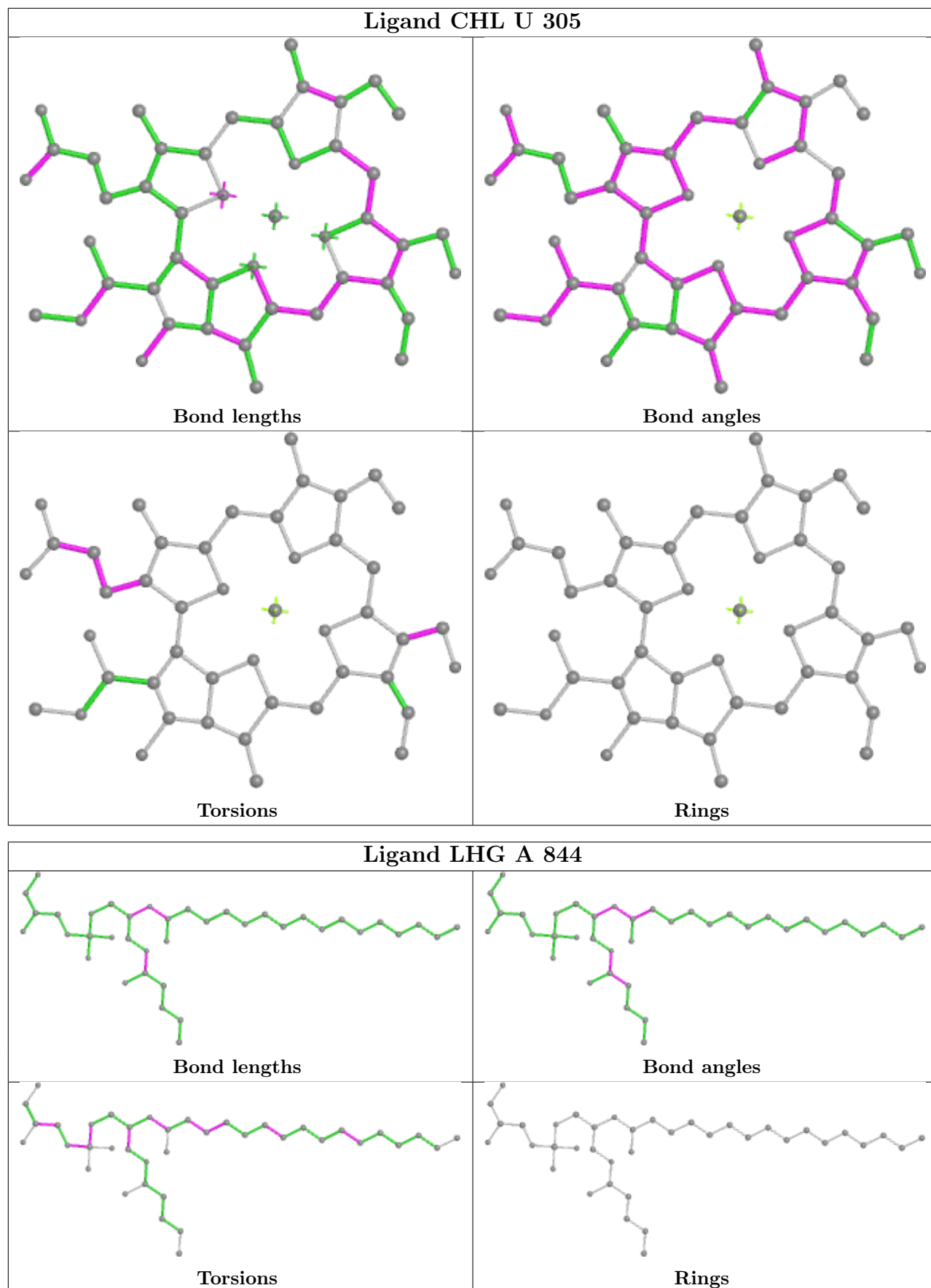




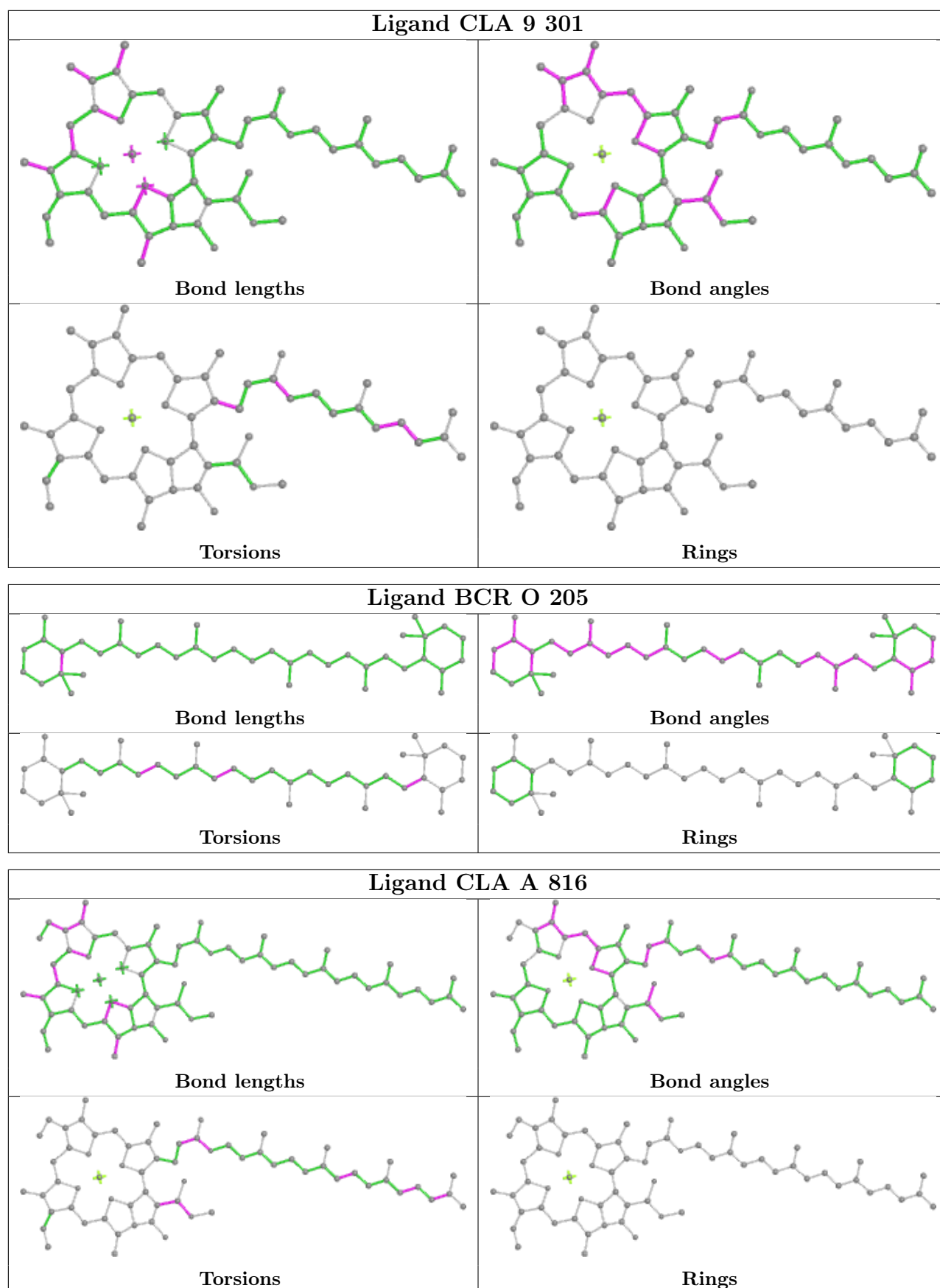


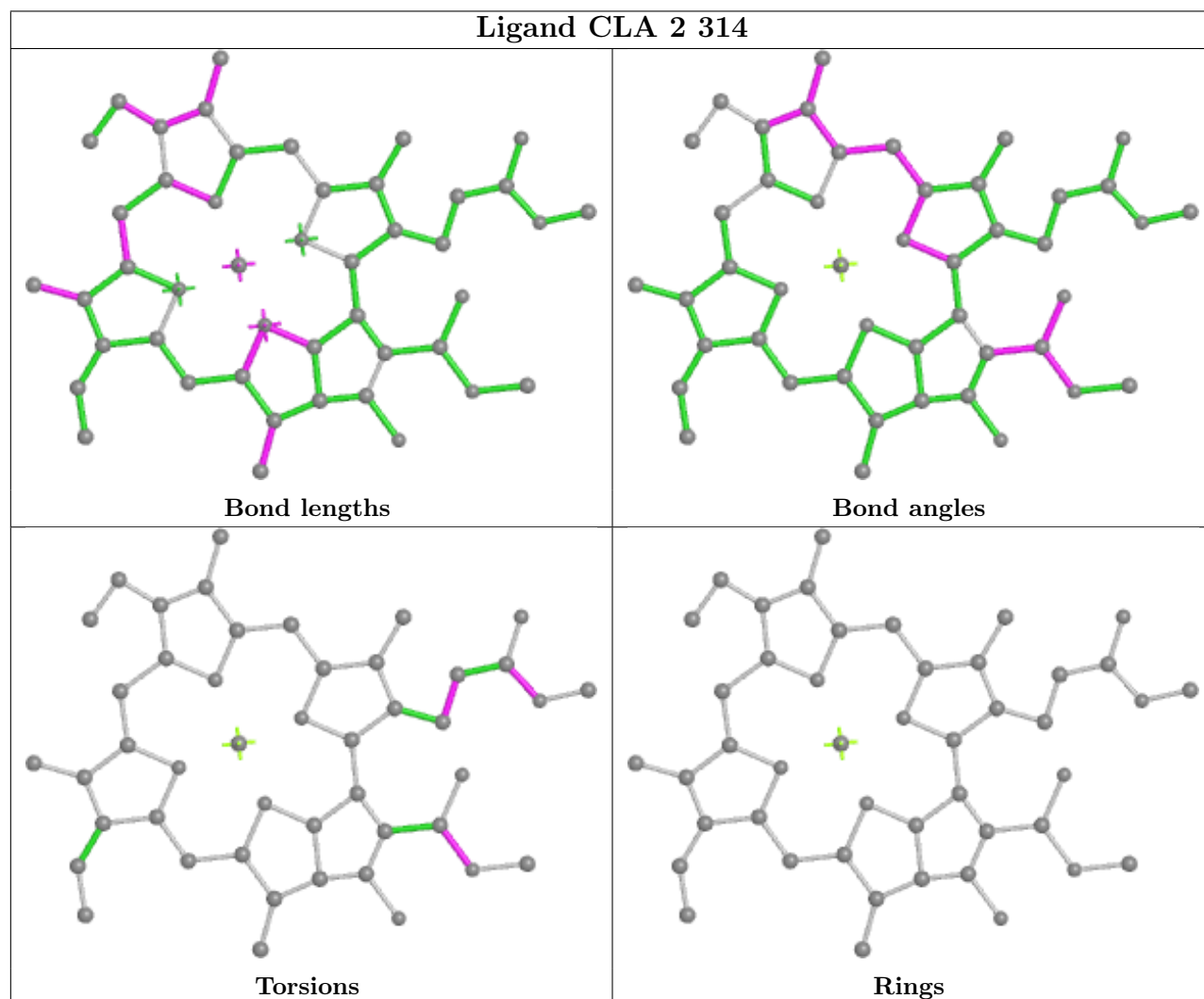
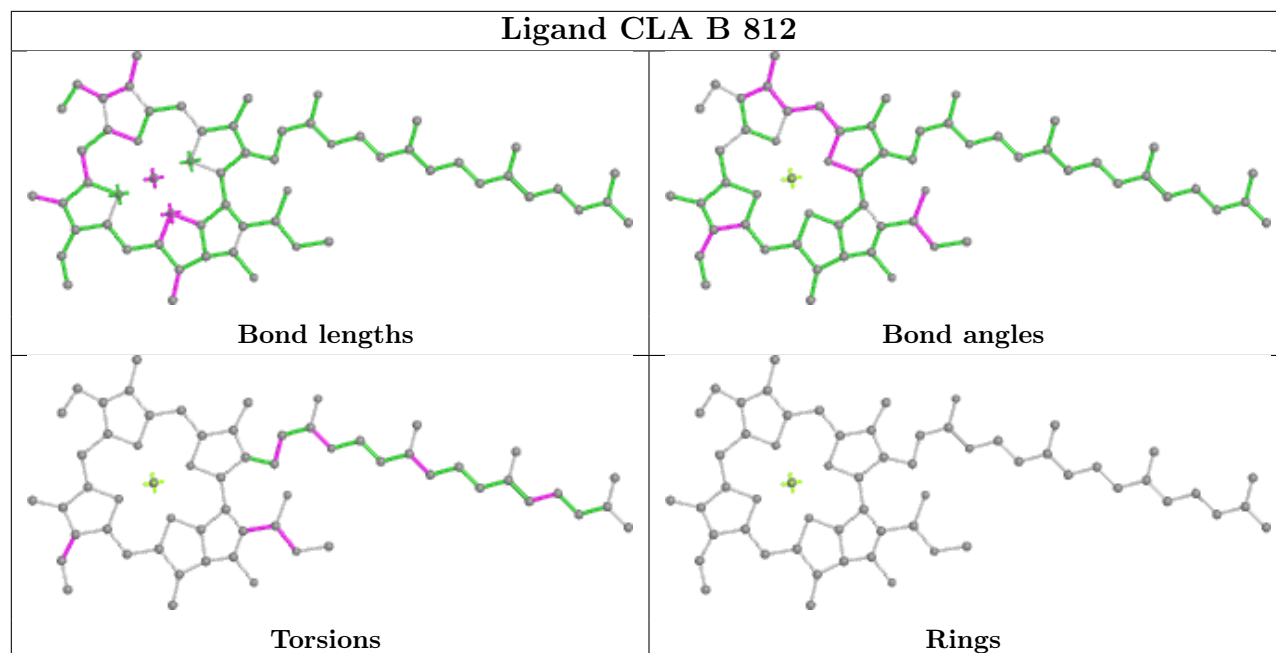


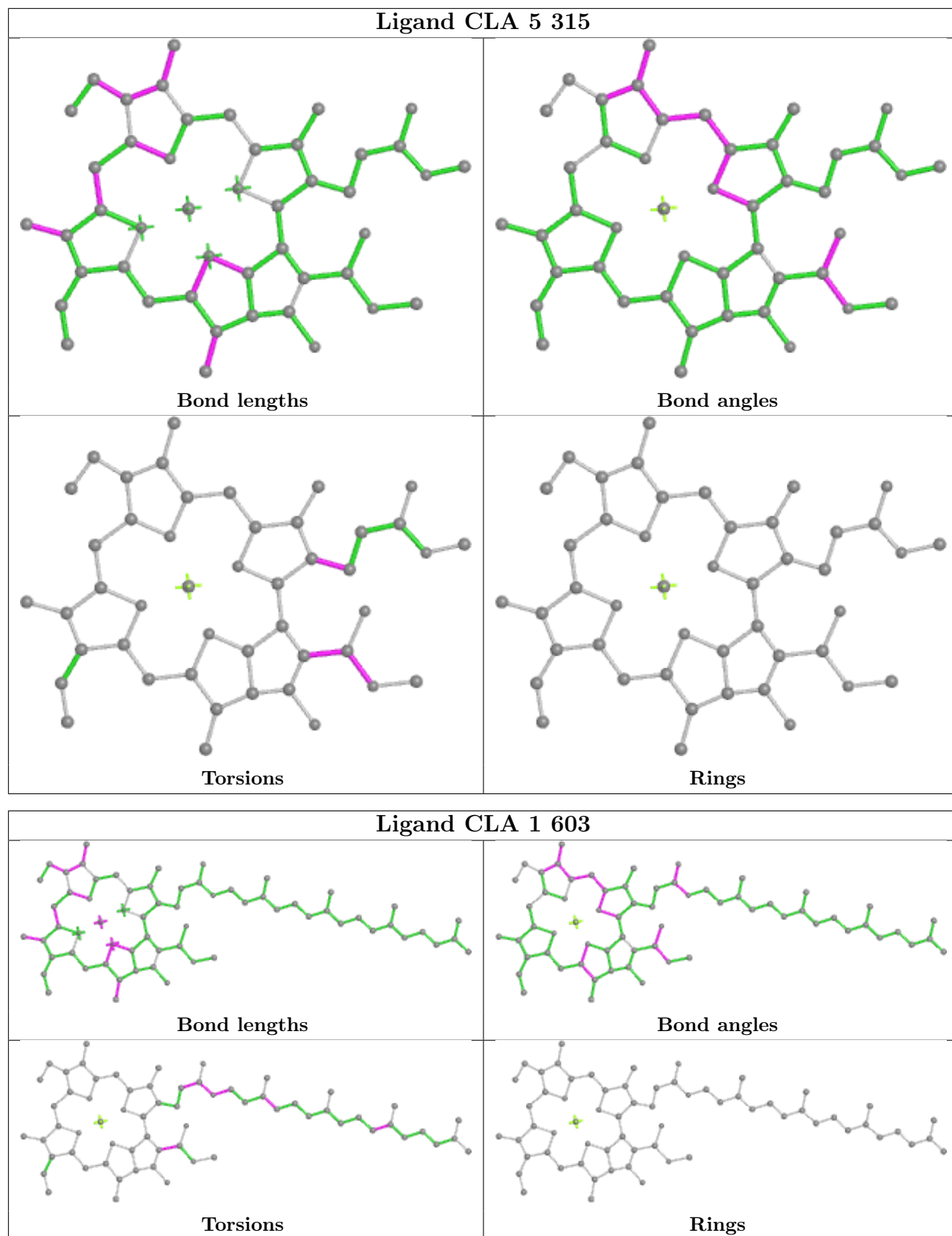


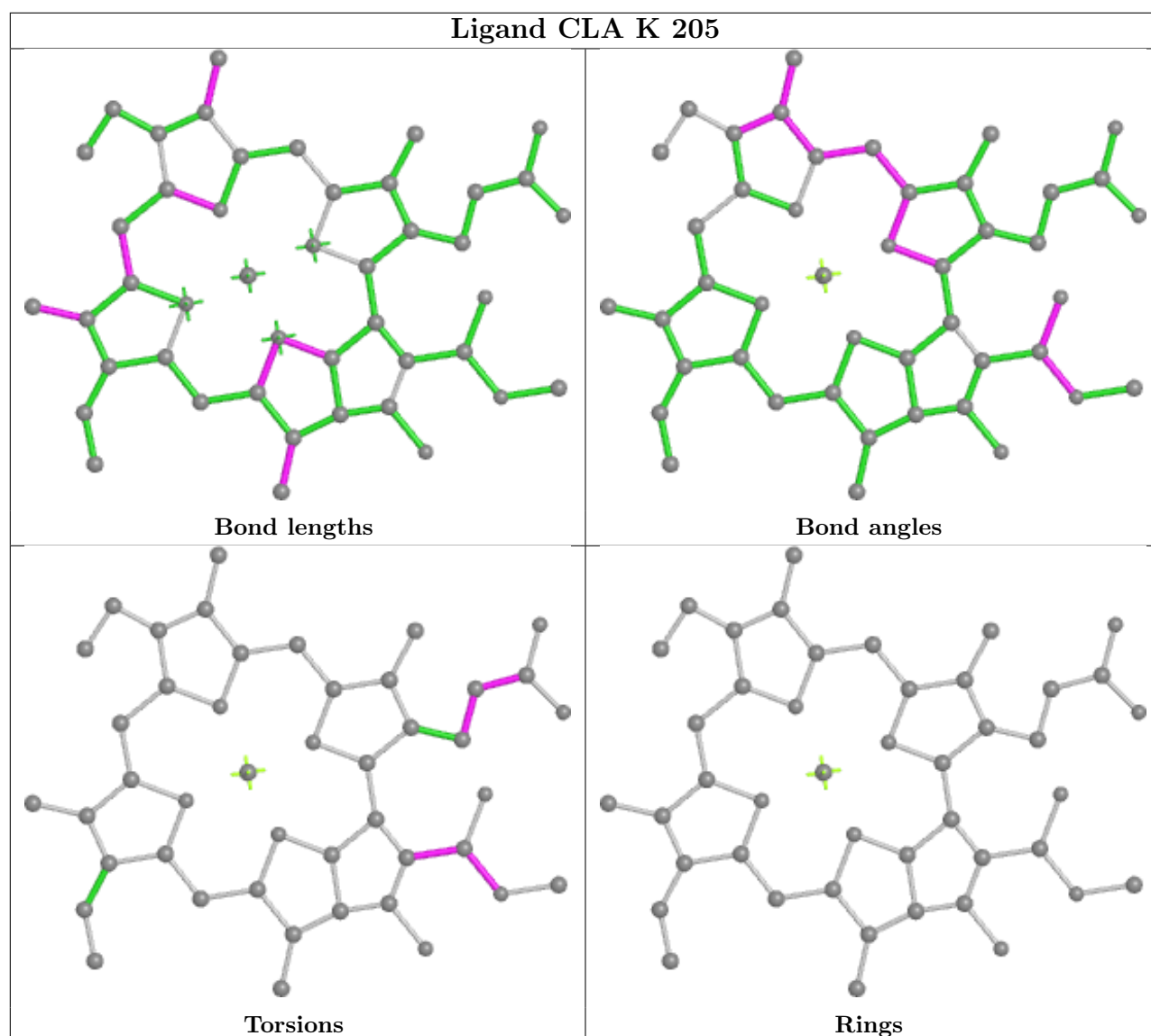


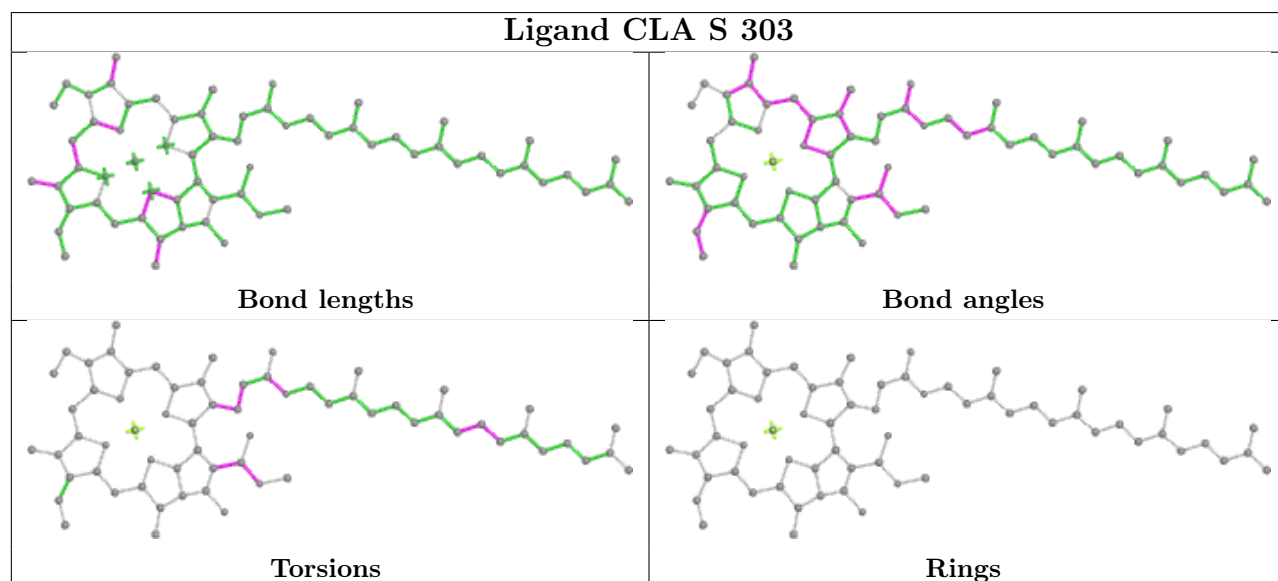
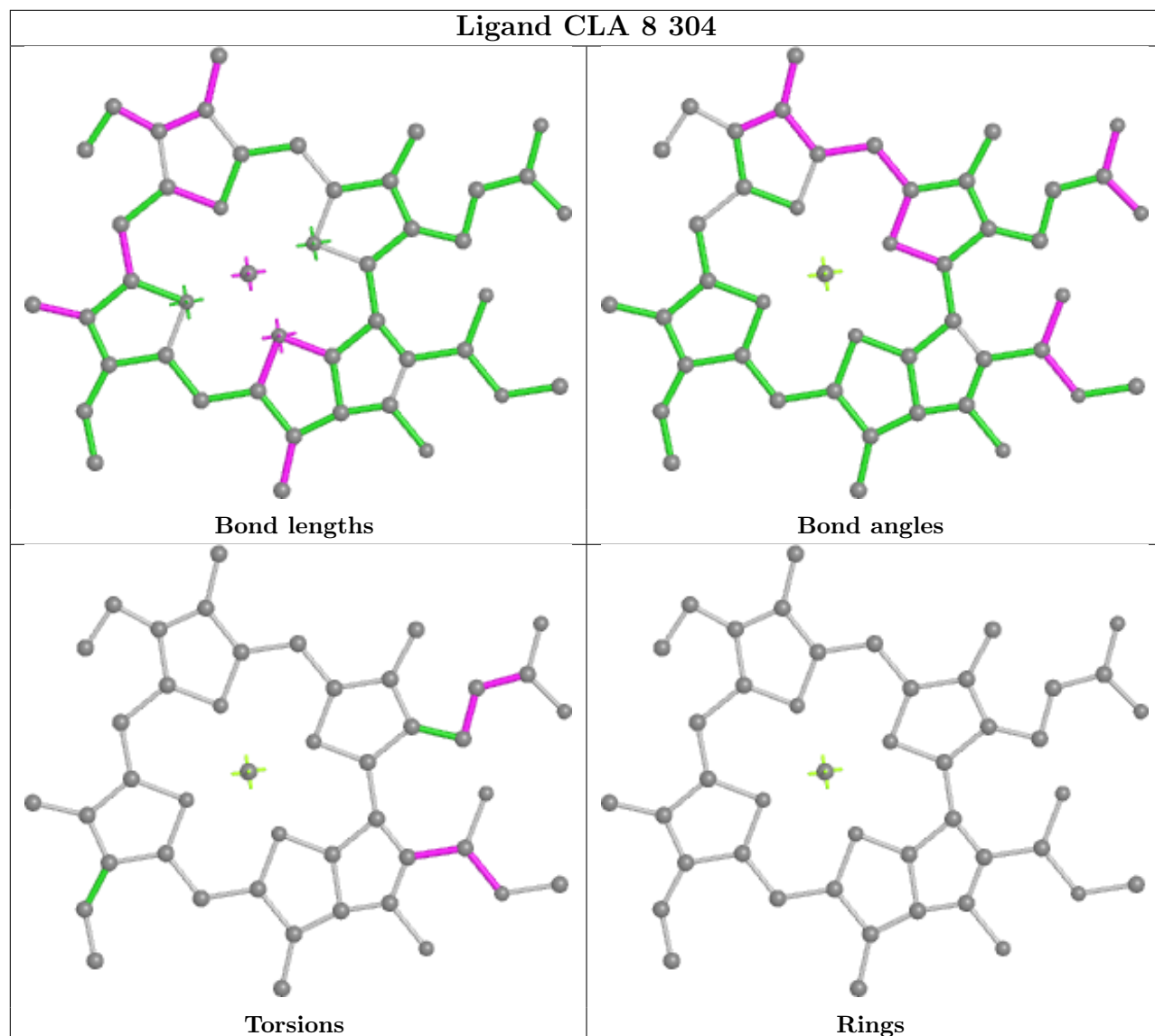


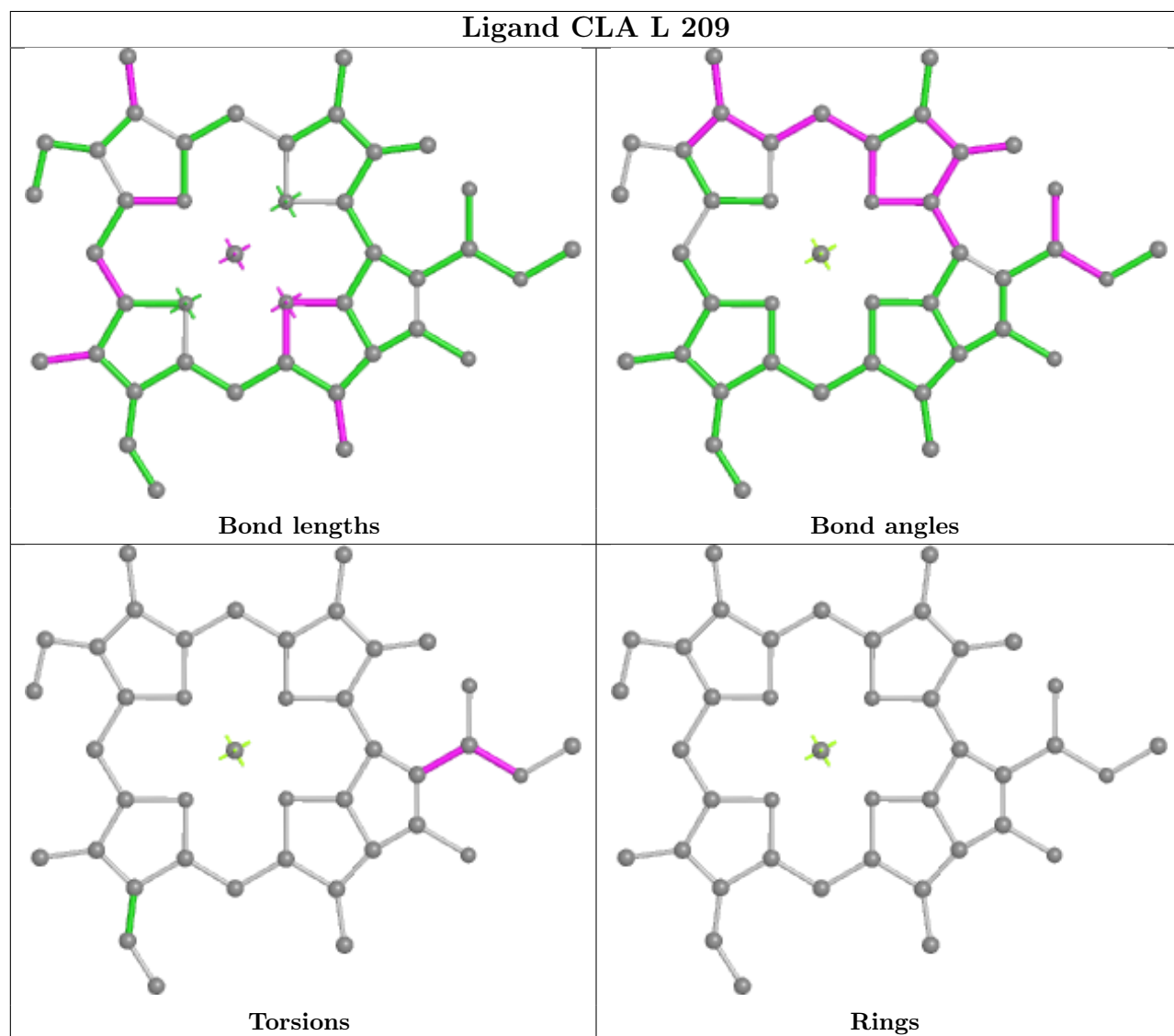
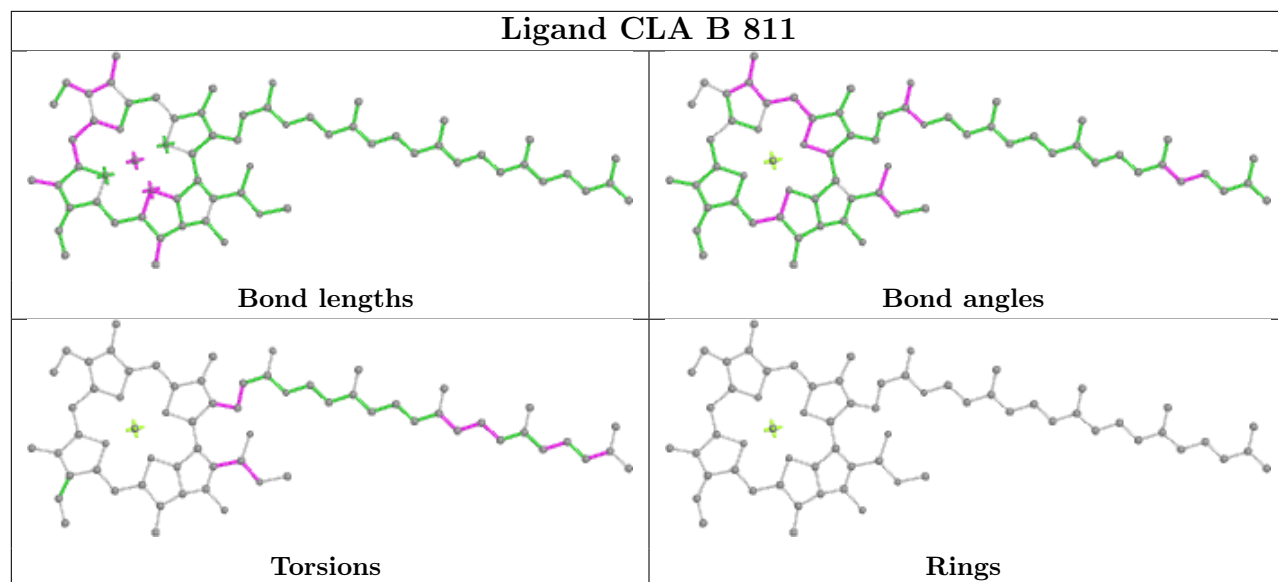


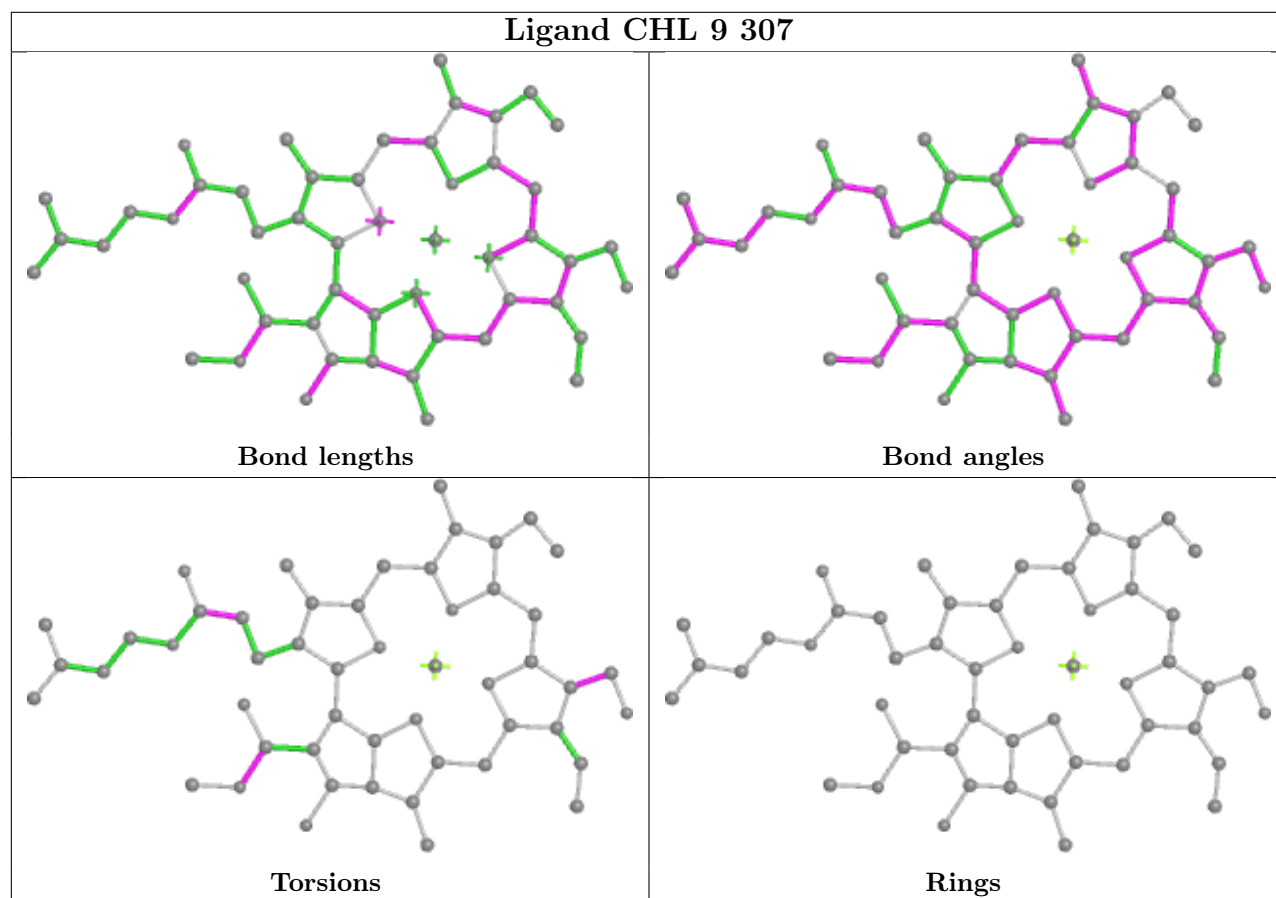
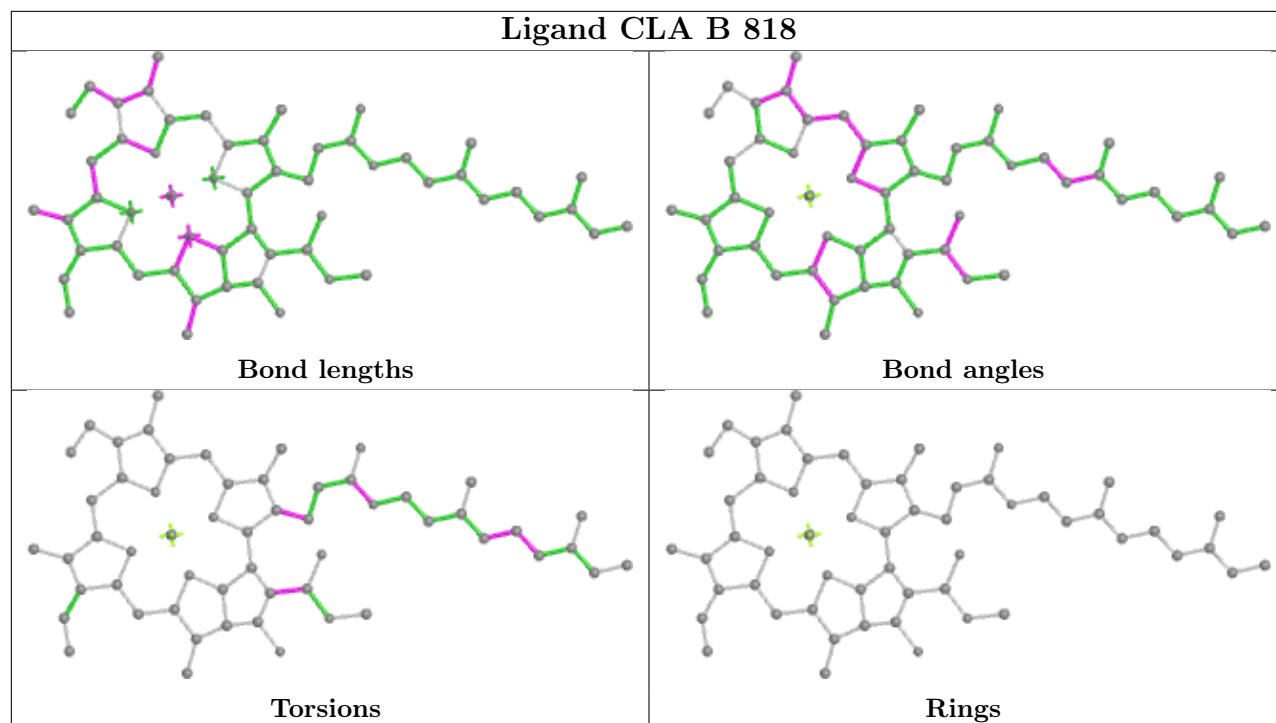


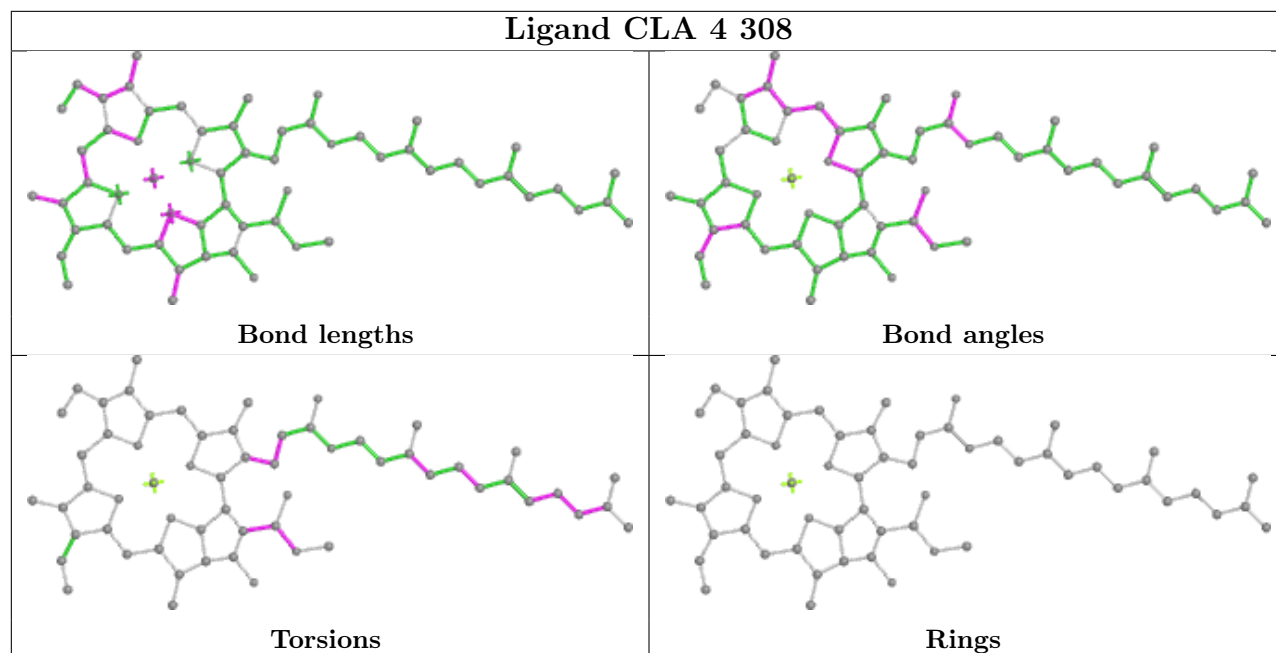
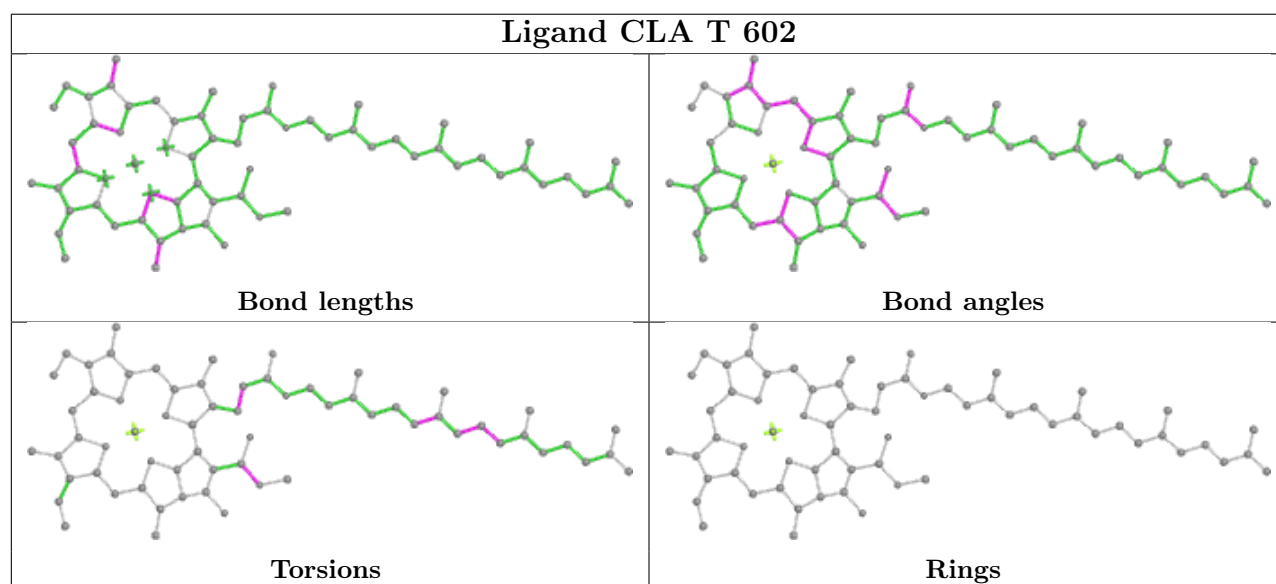
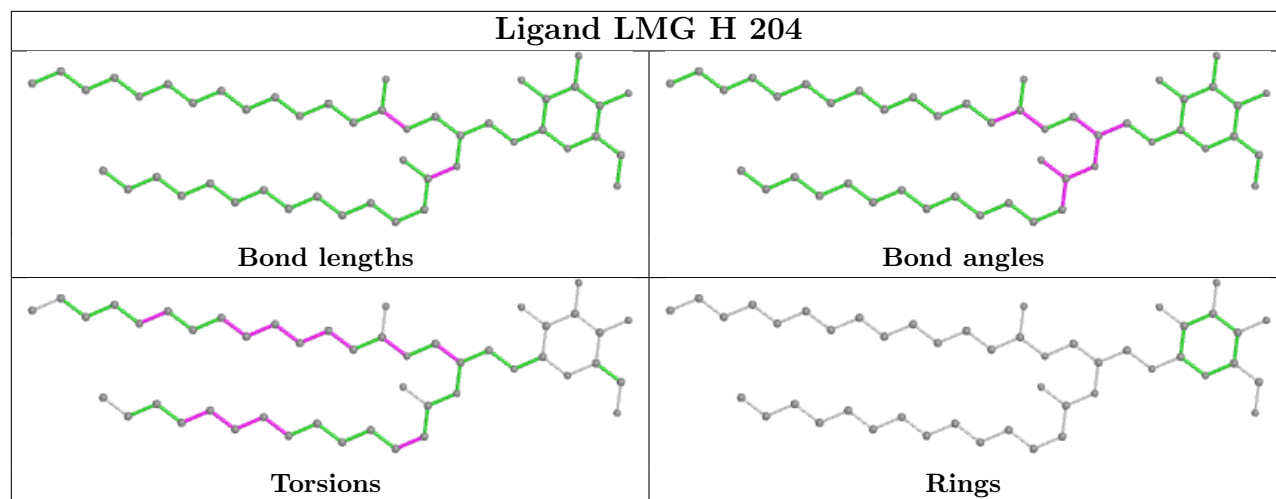




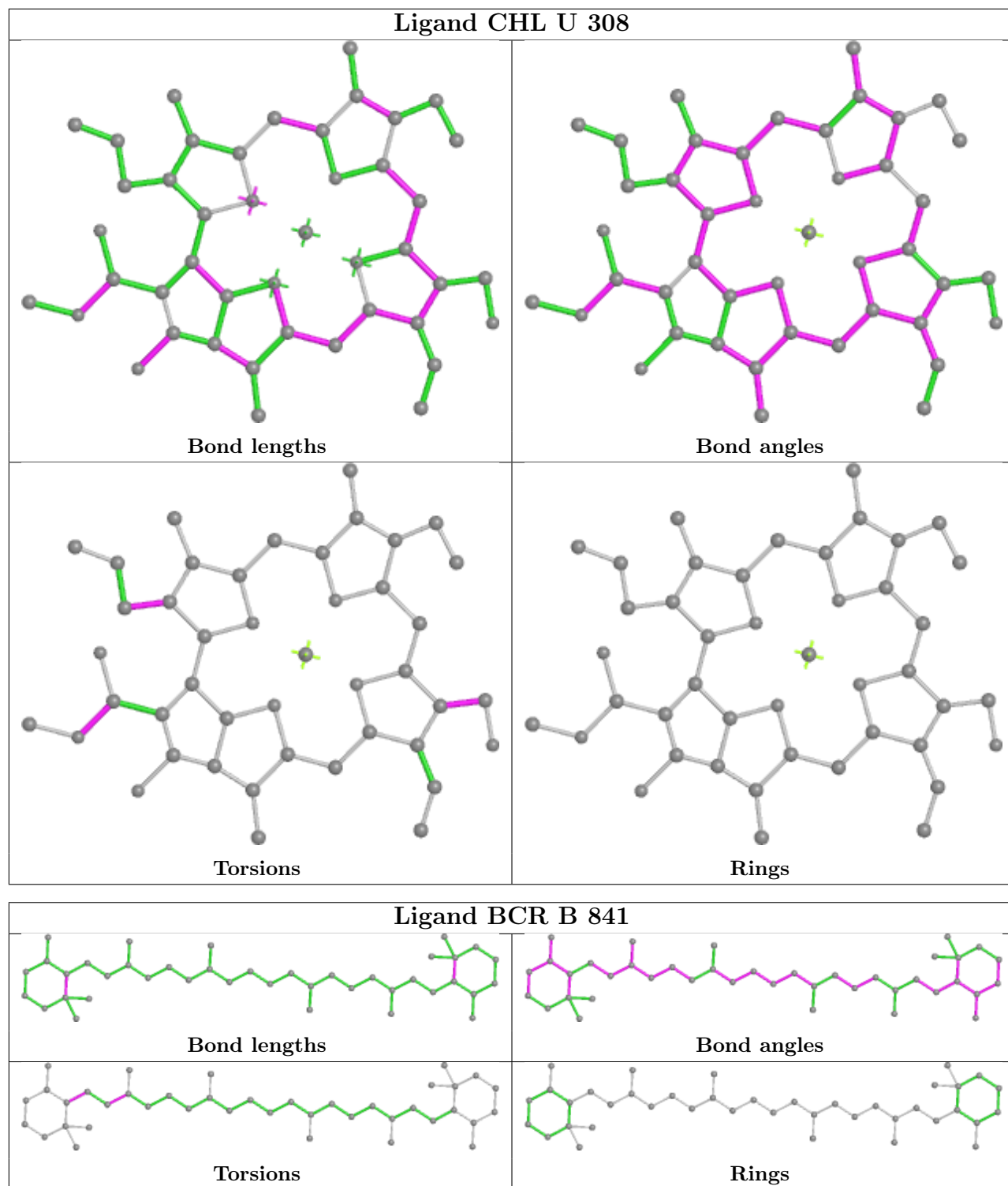


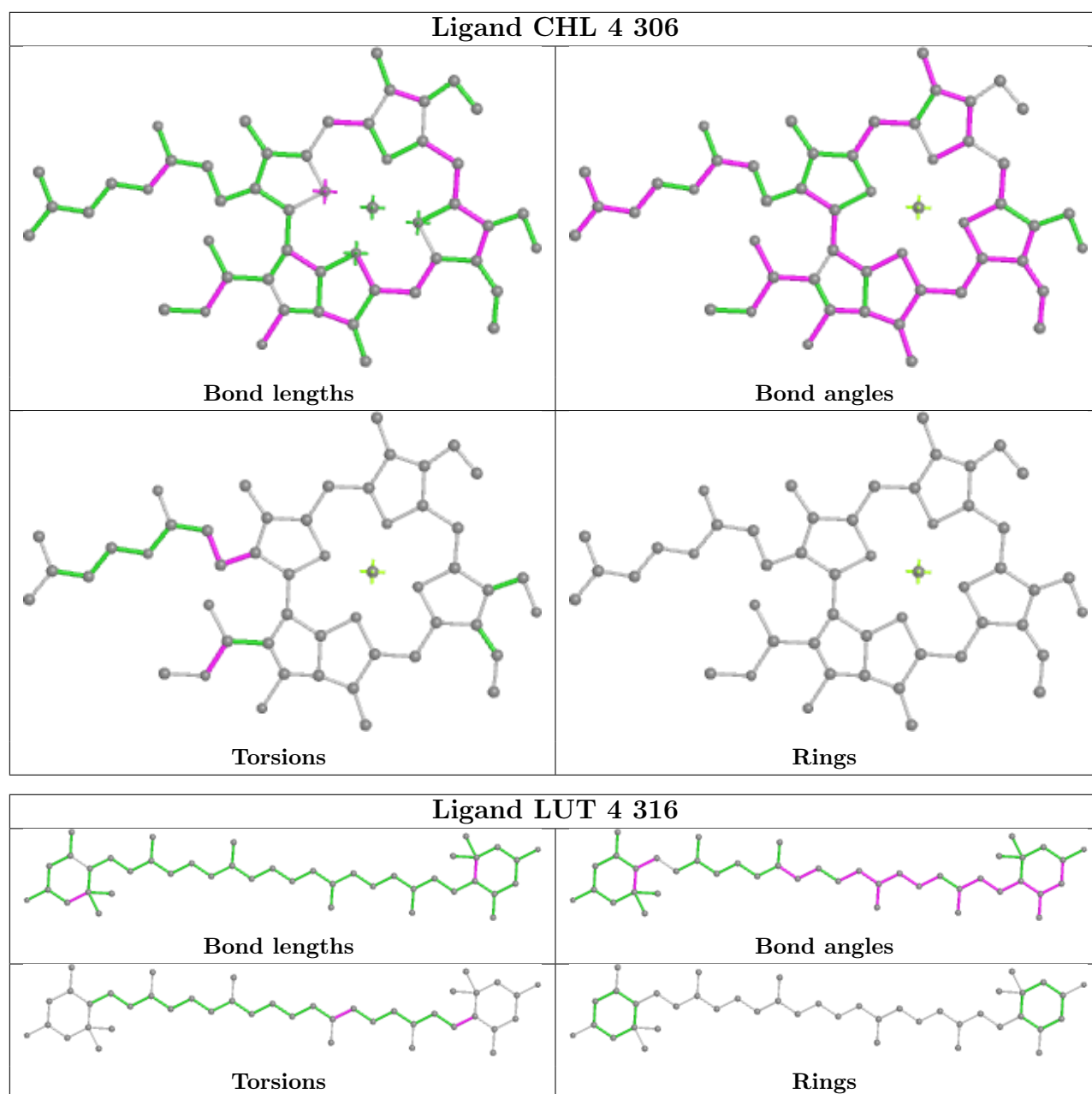


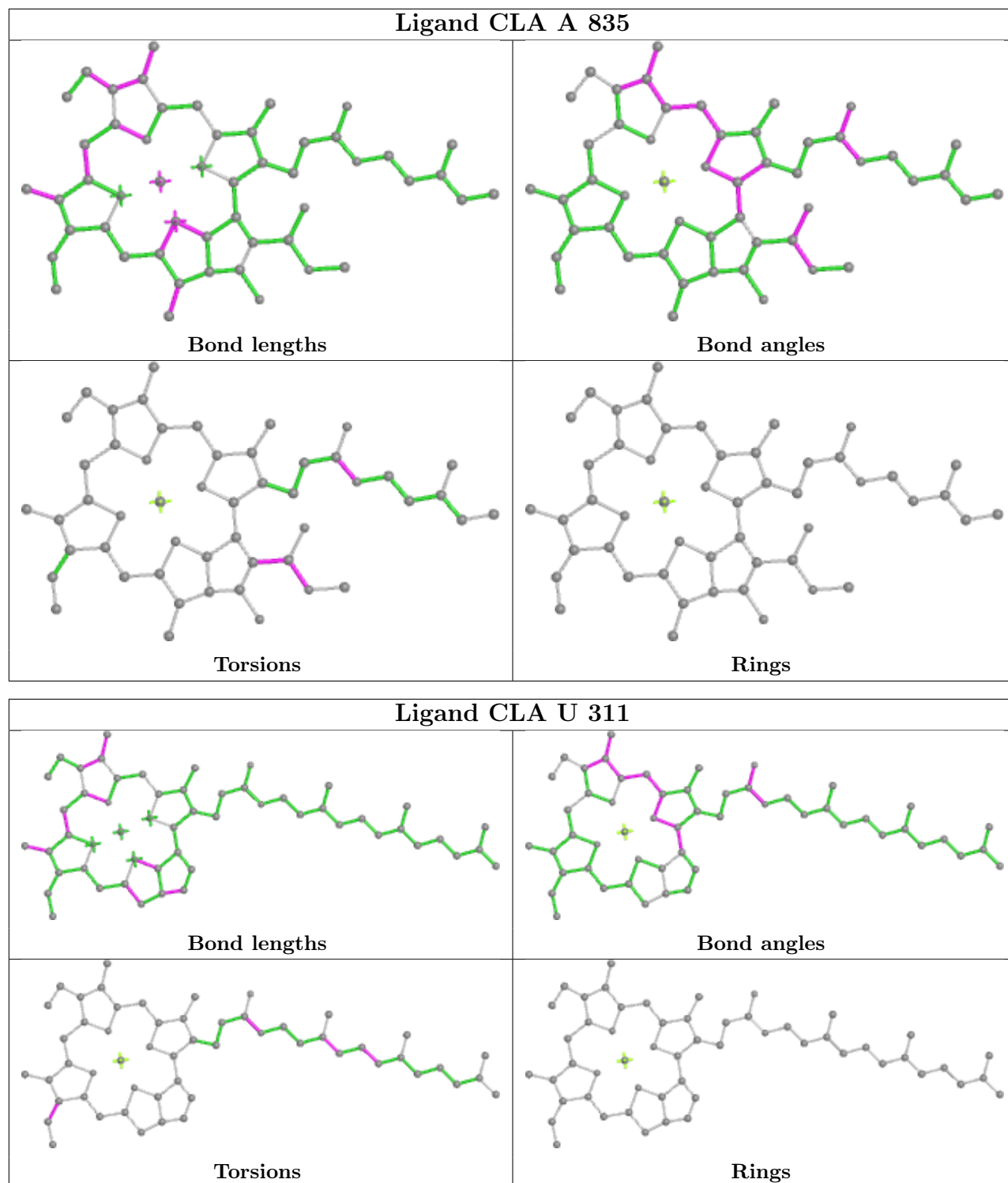




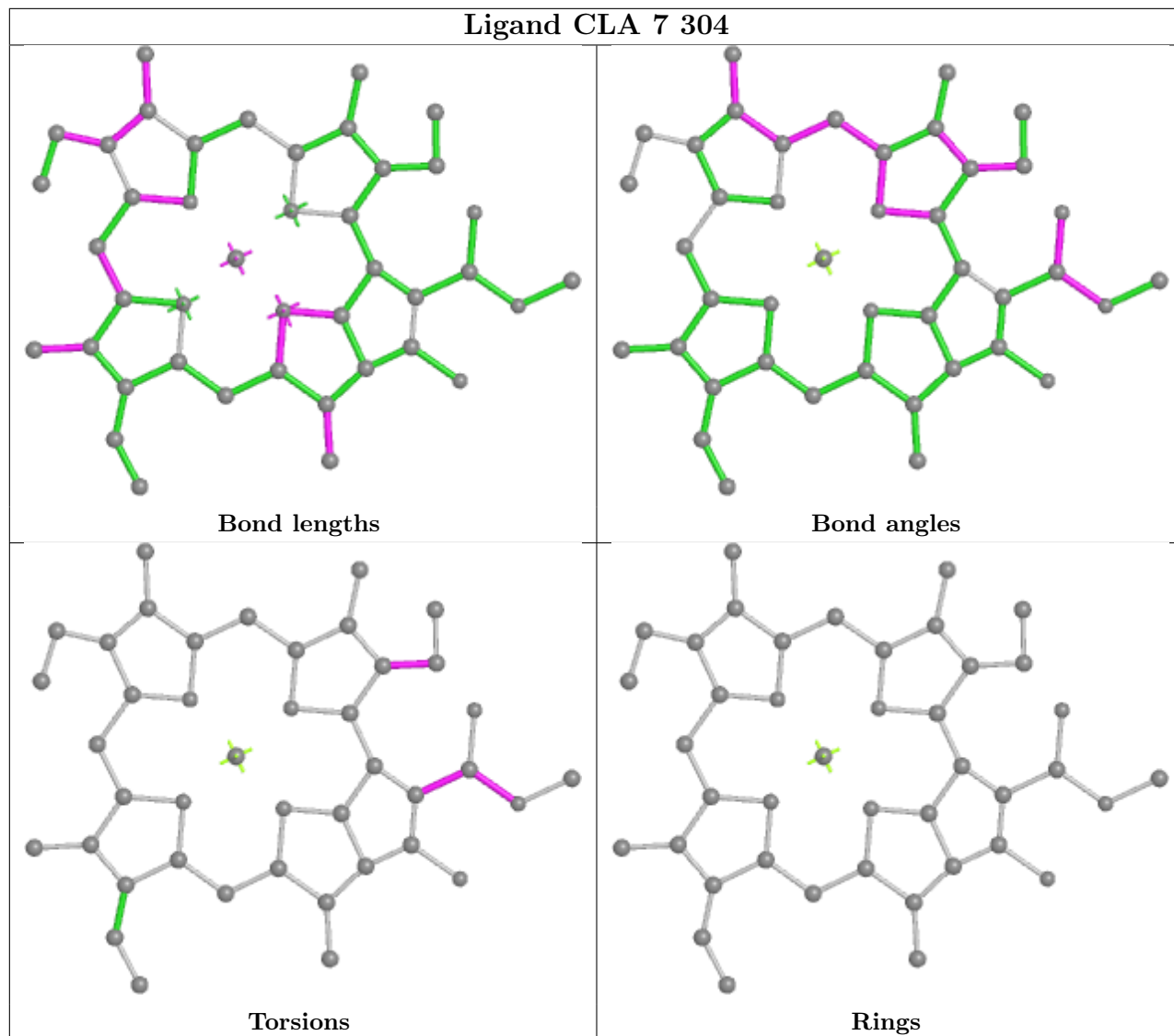


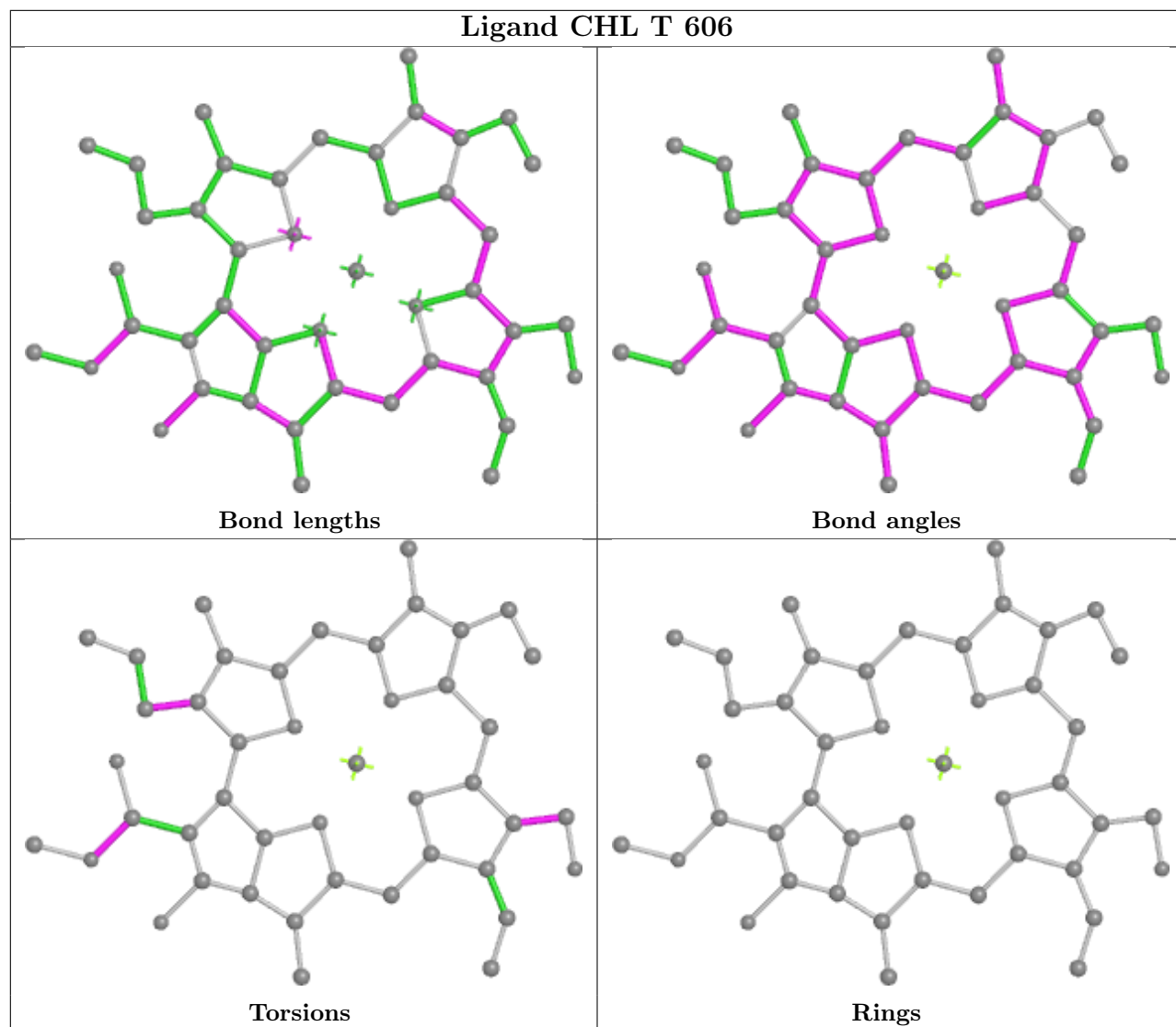


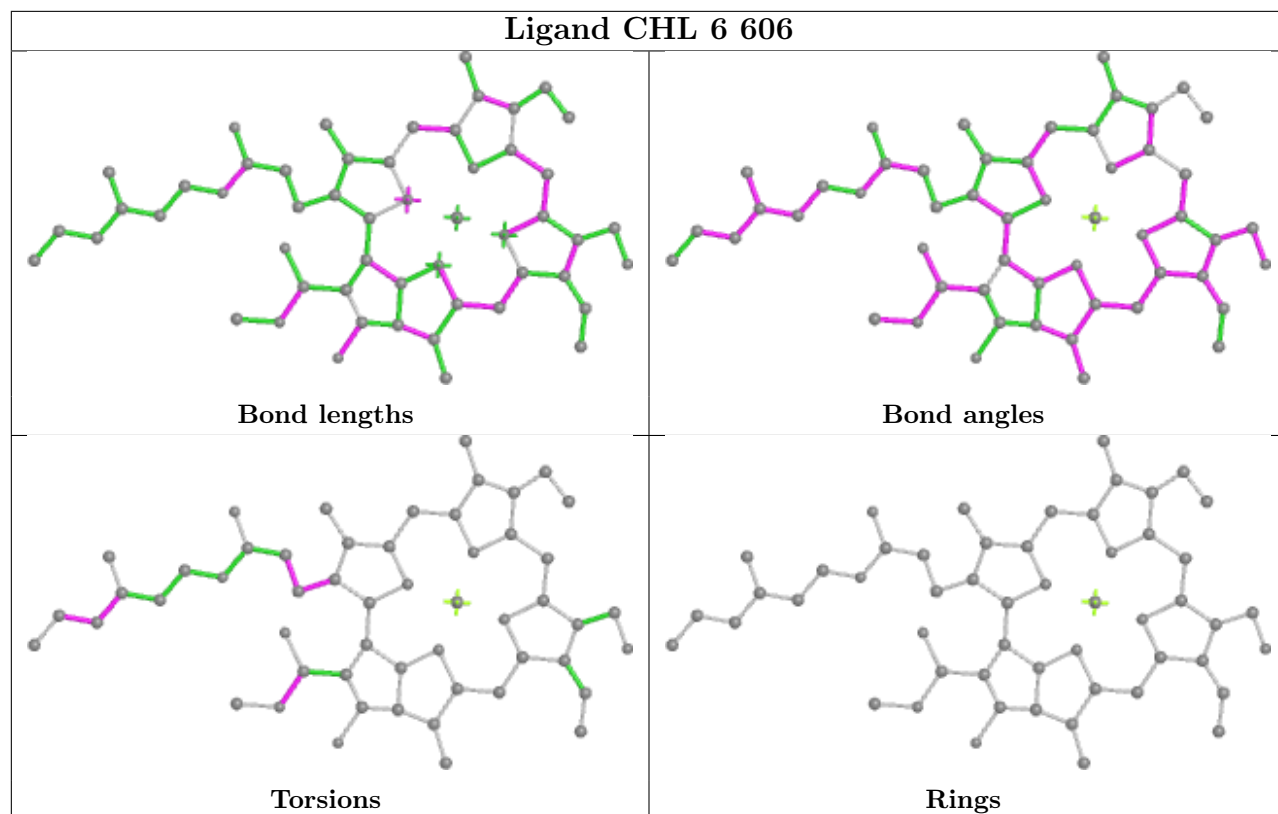


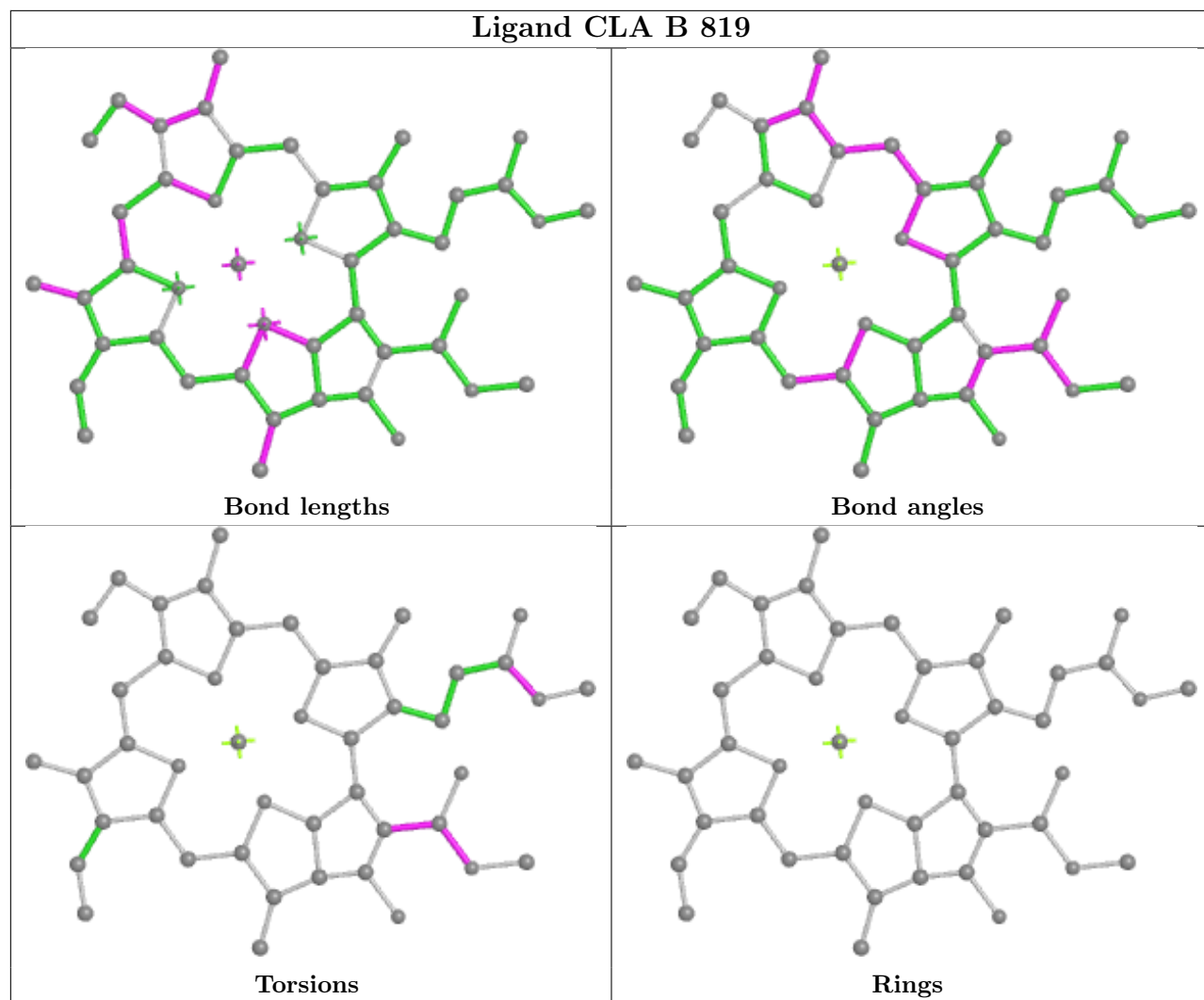


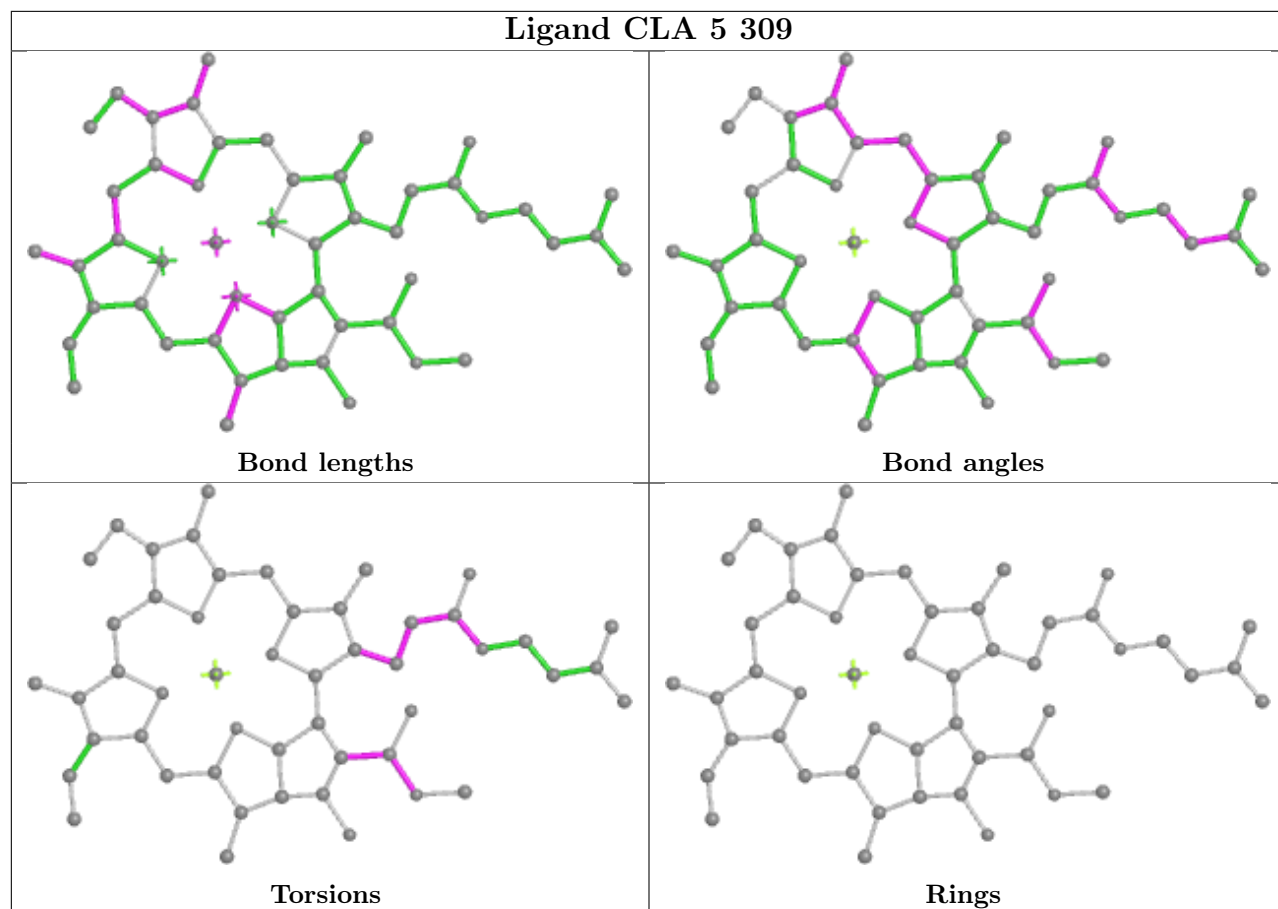
## Ligand CLA 7 304



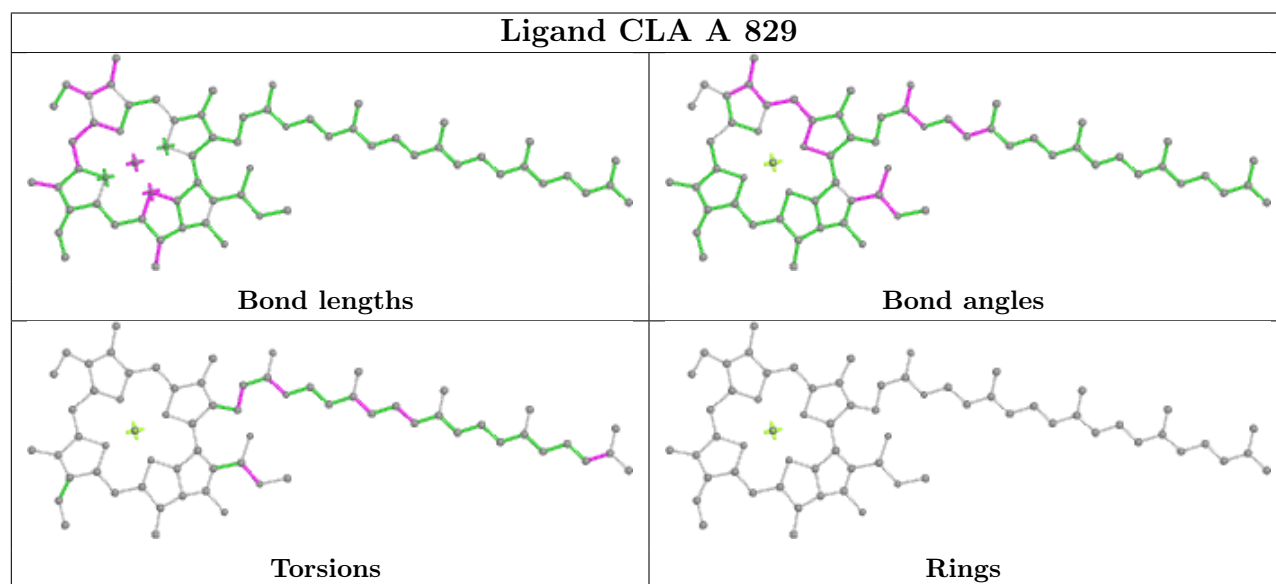
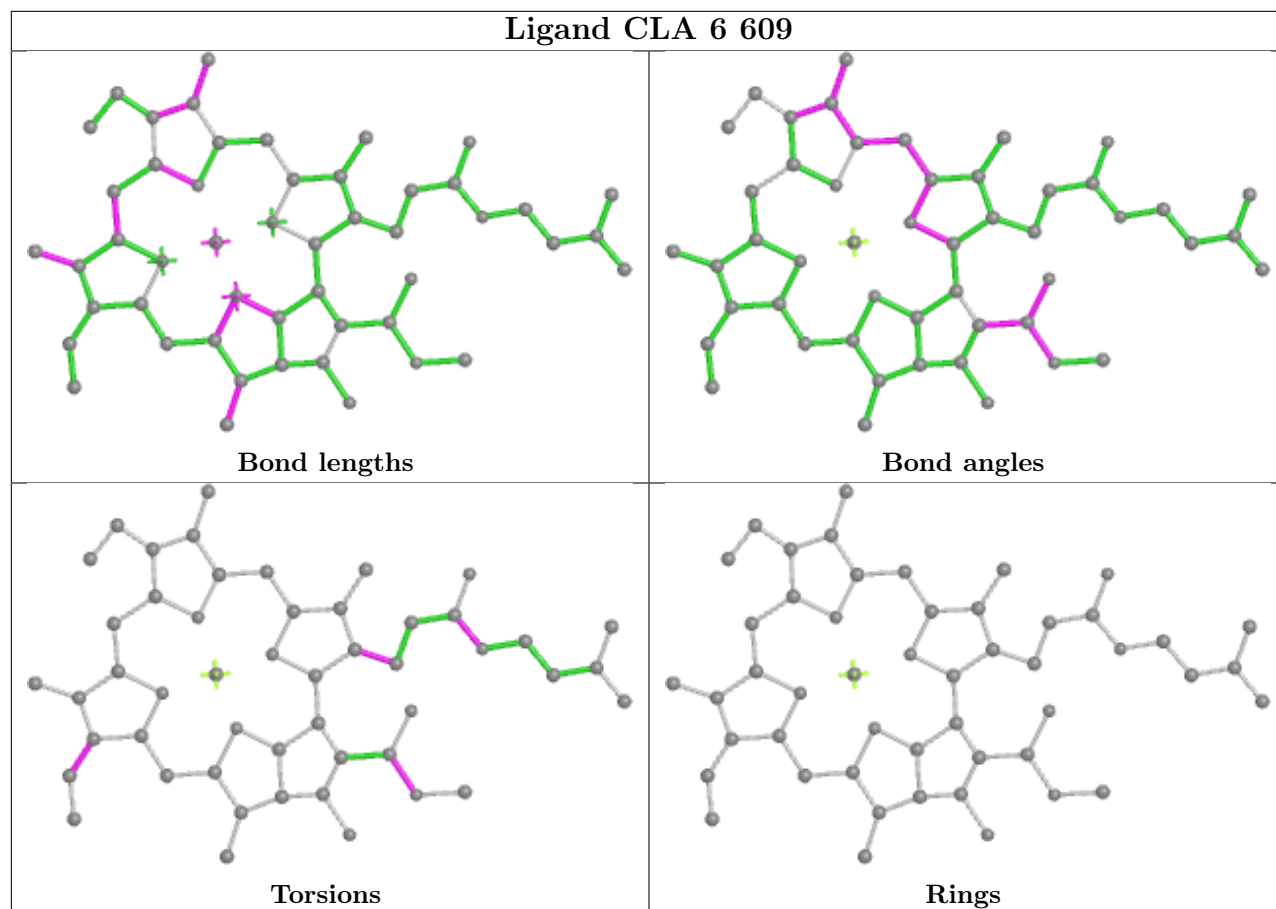


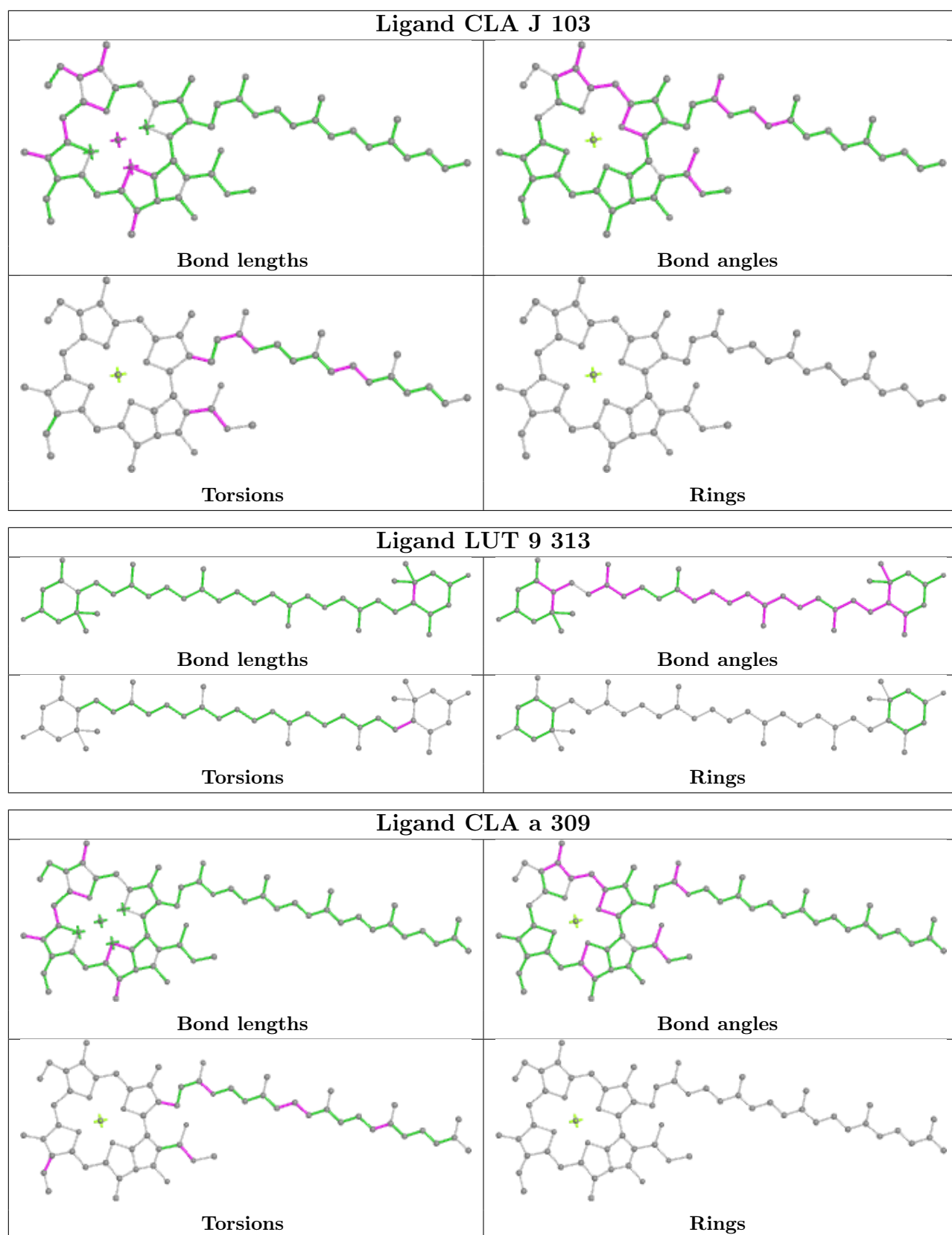


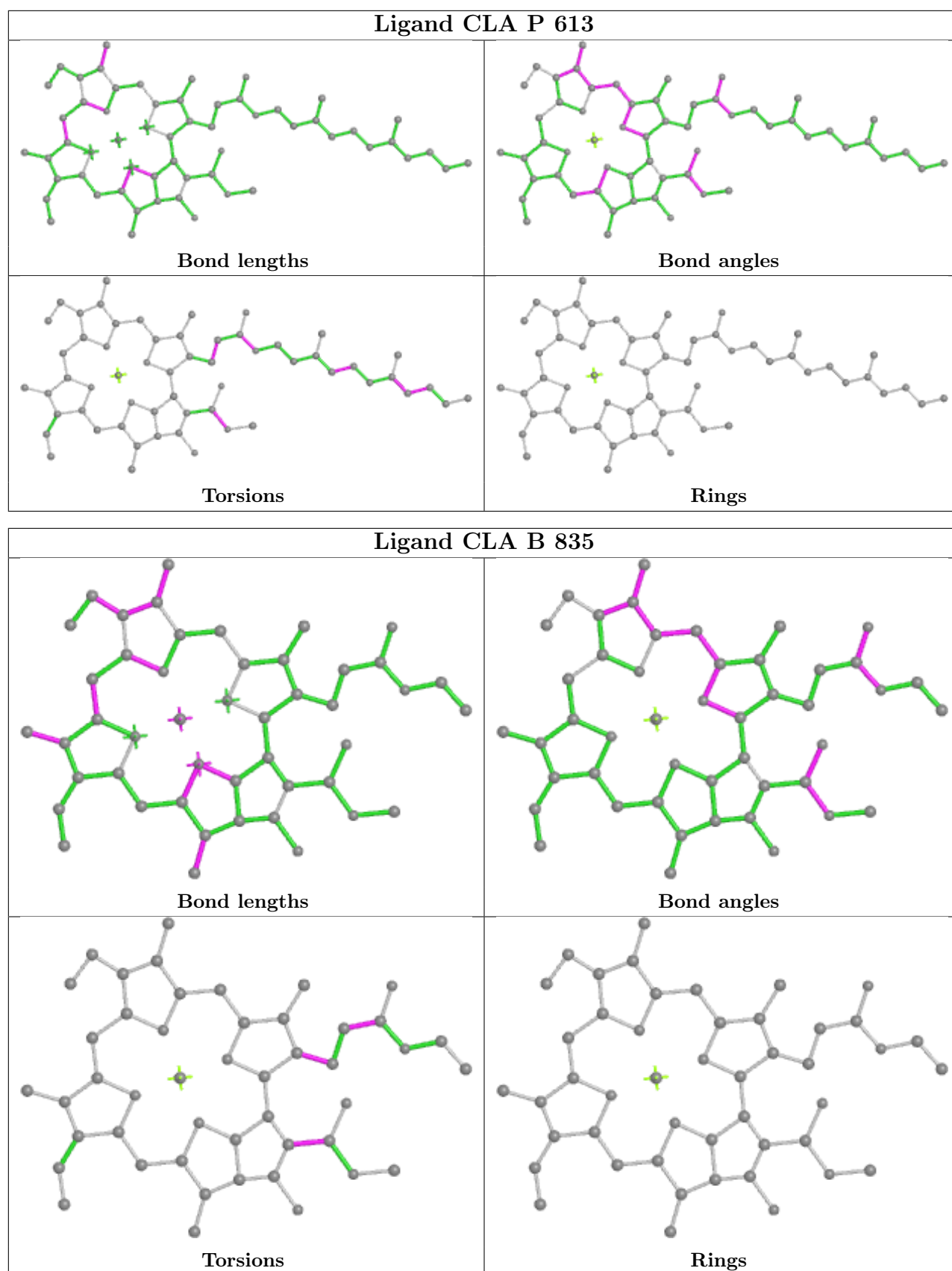


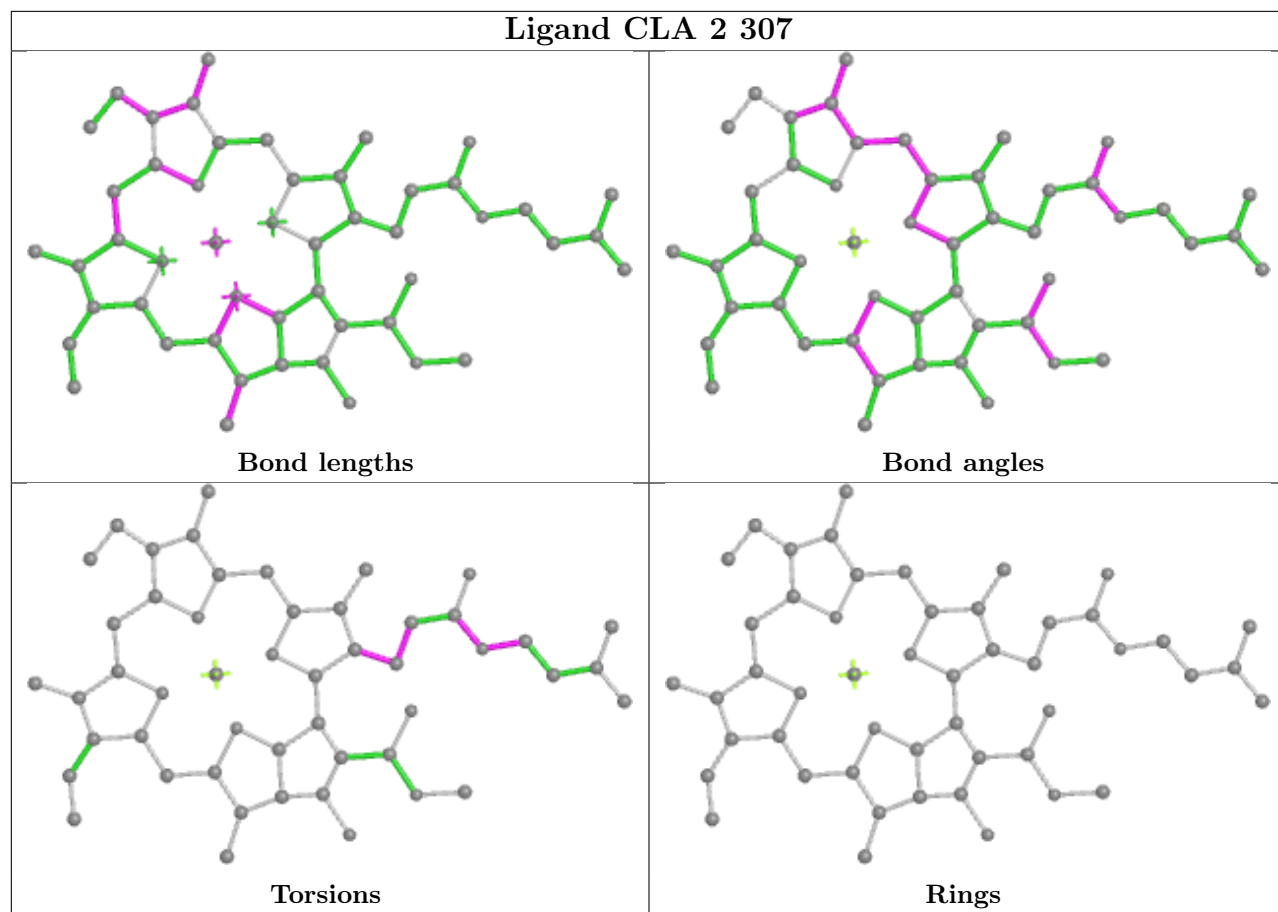


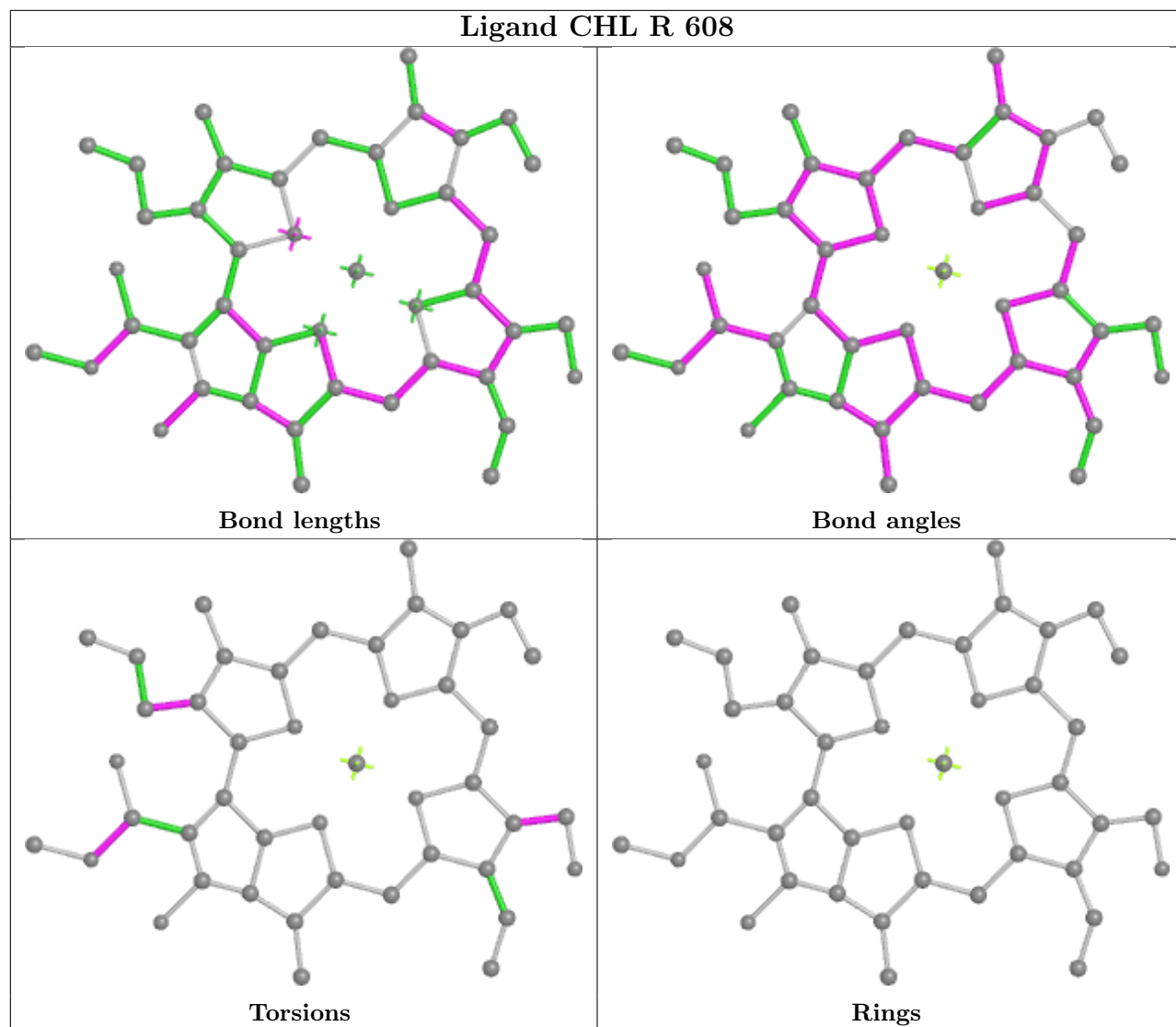


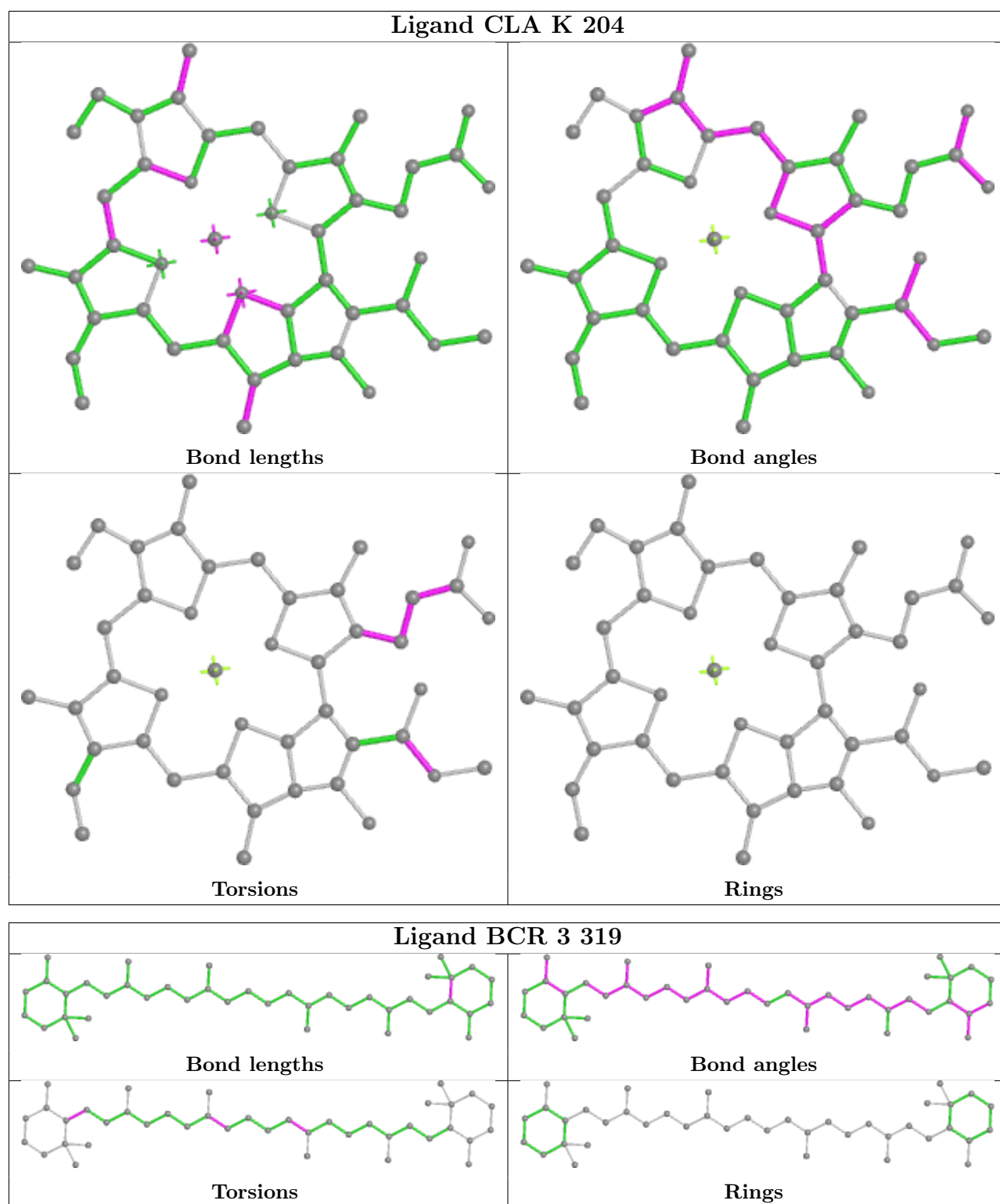


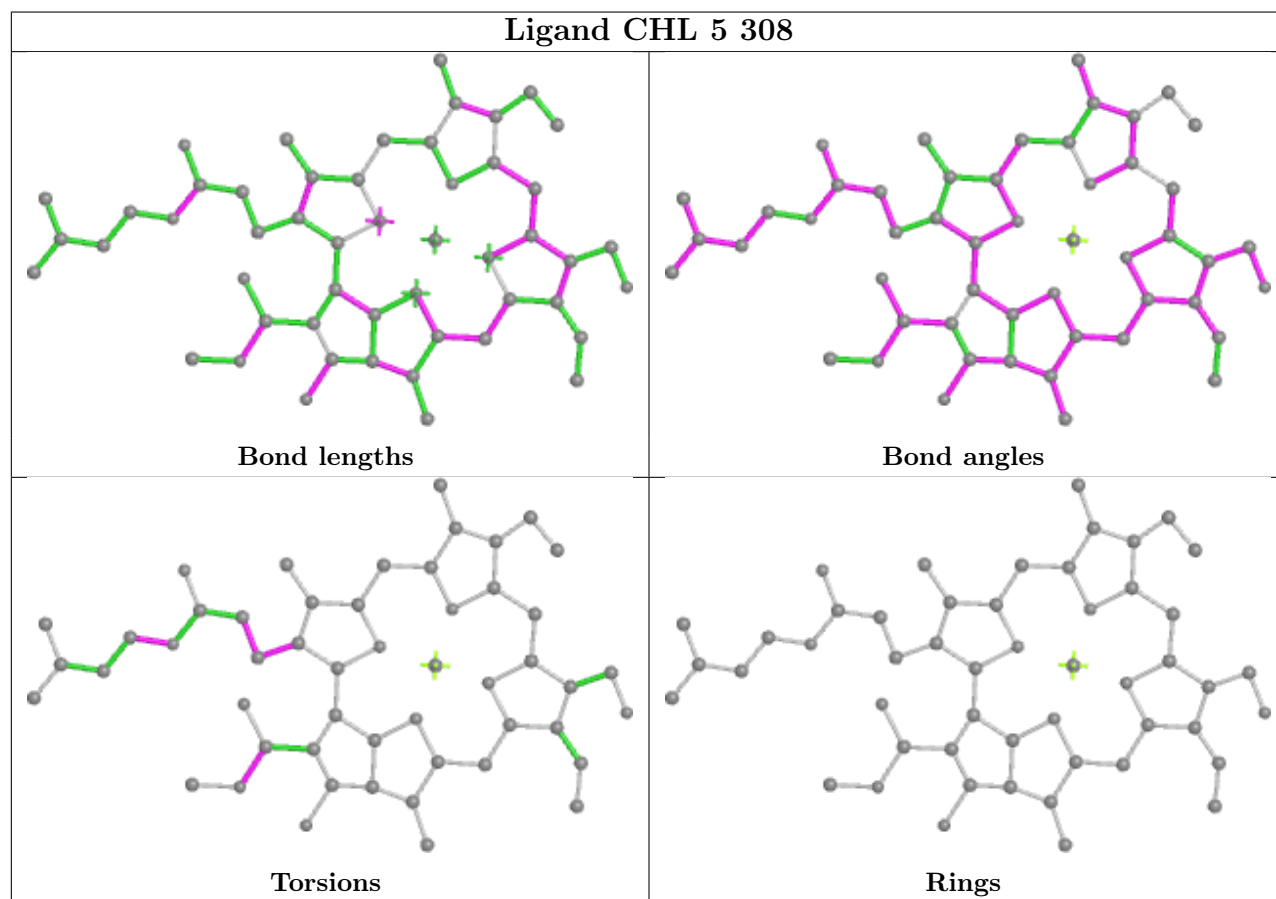
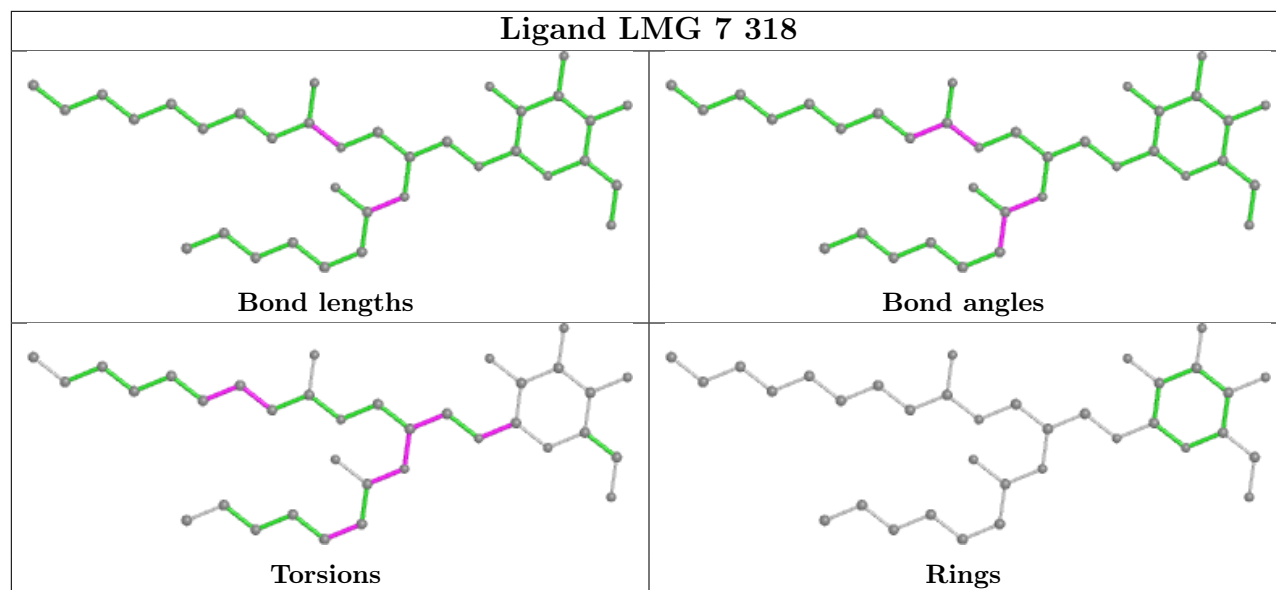


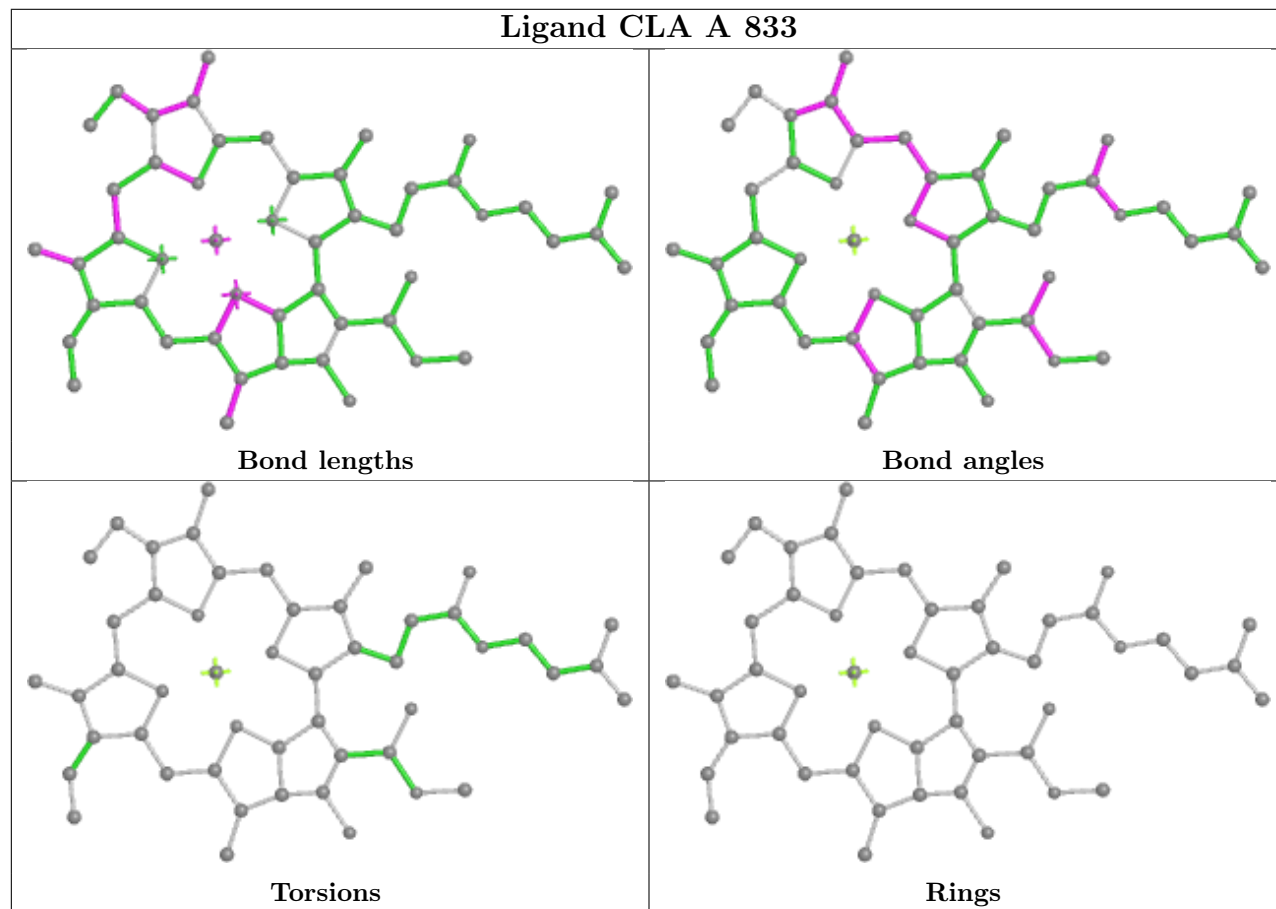
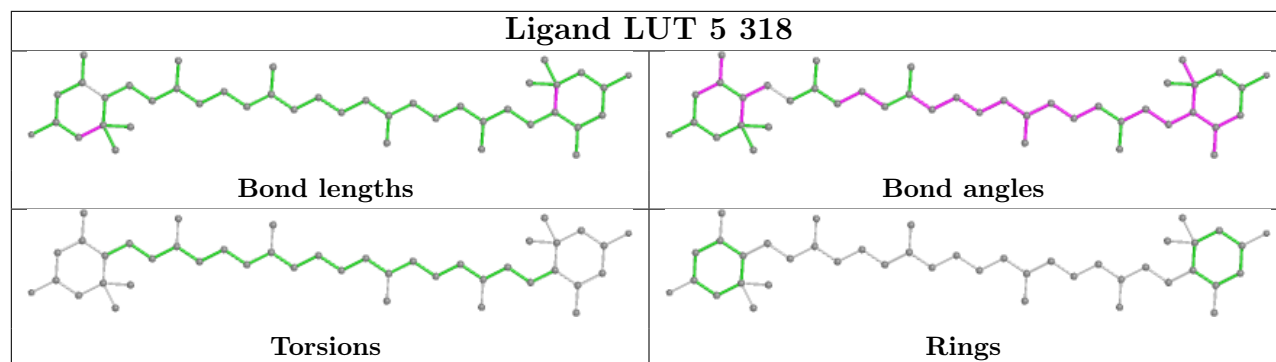




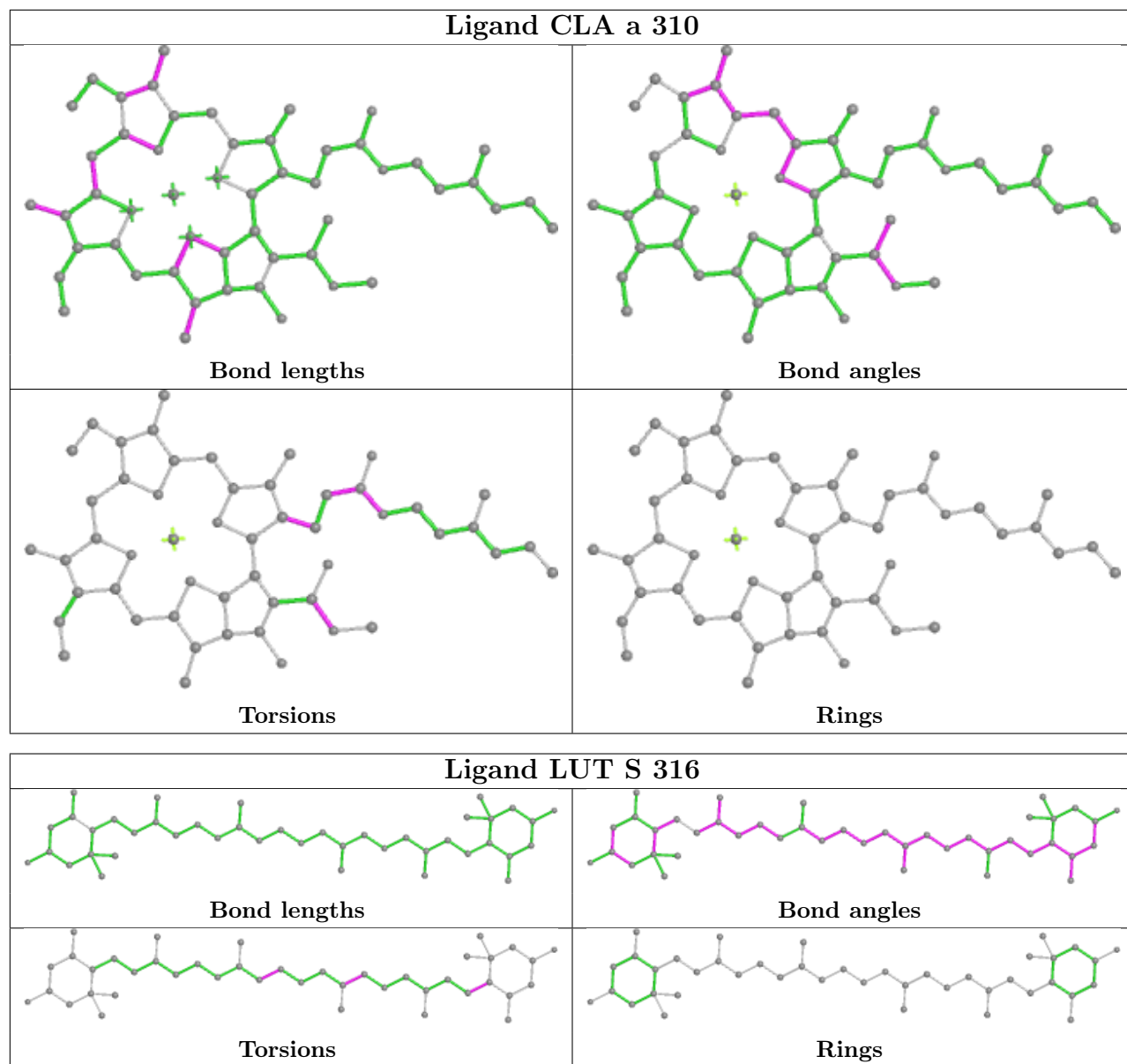


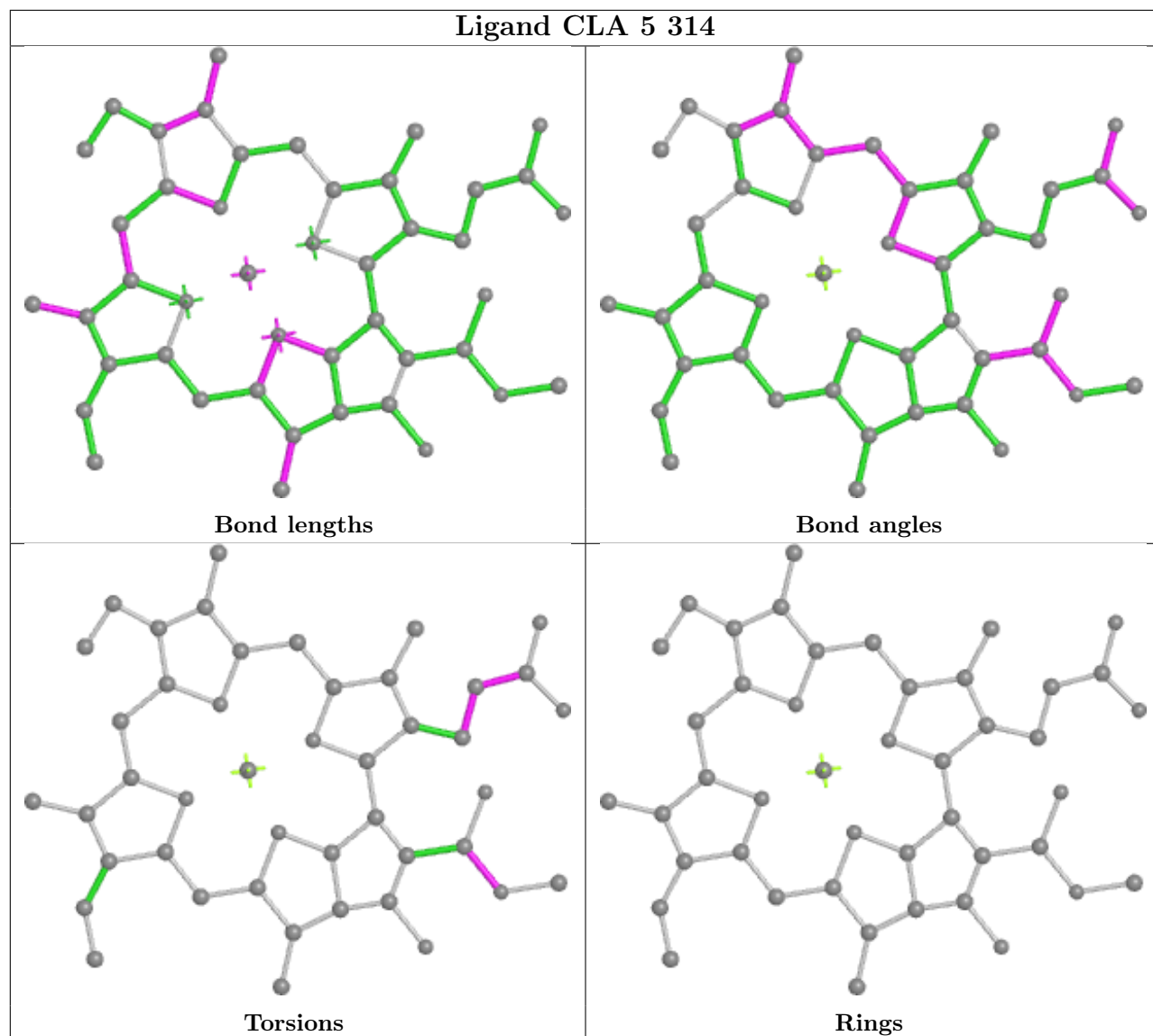


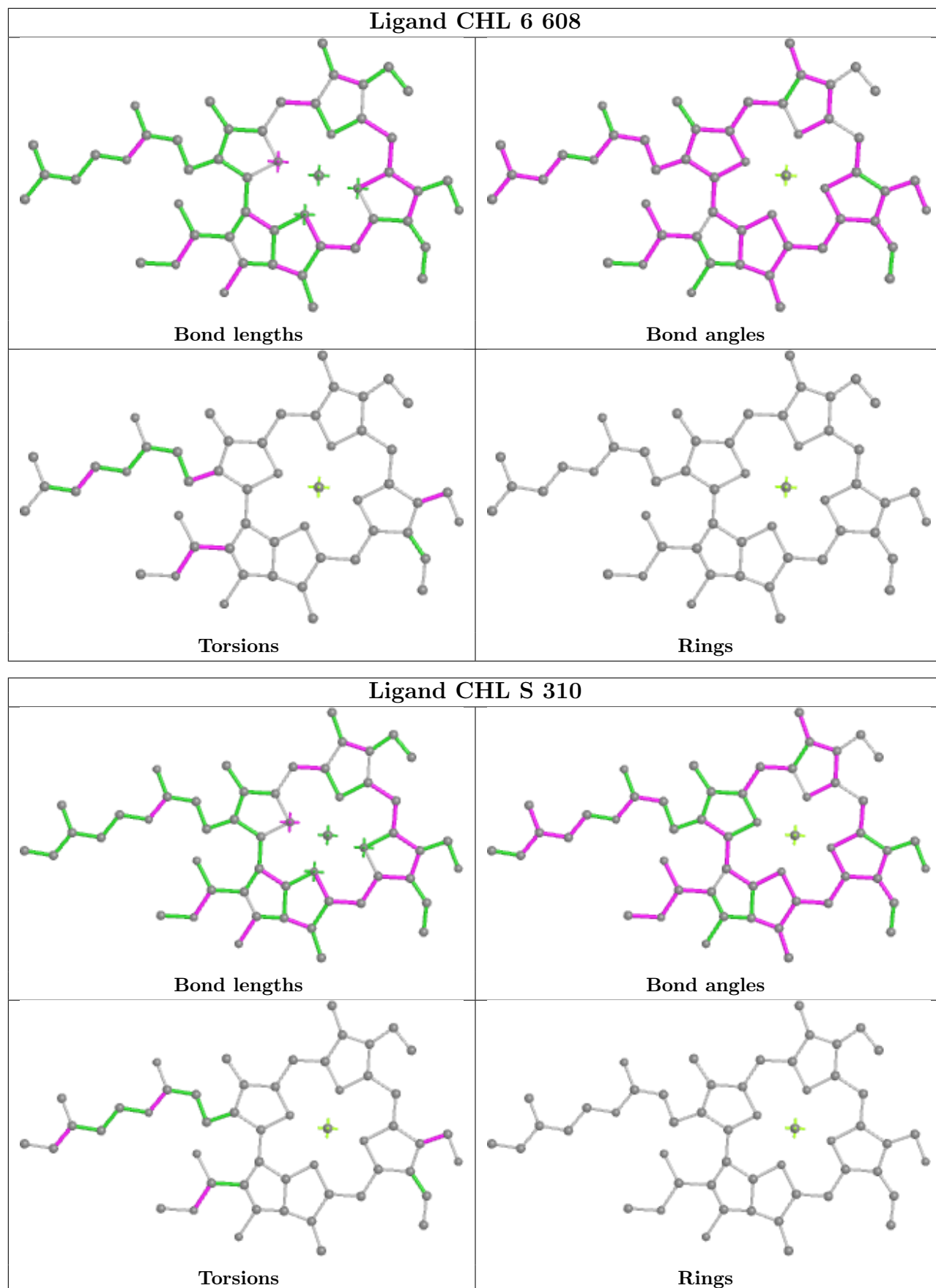


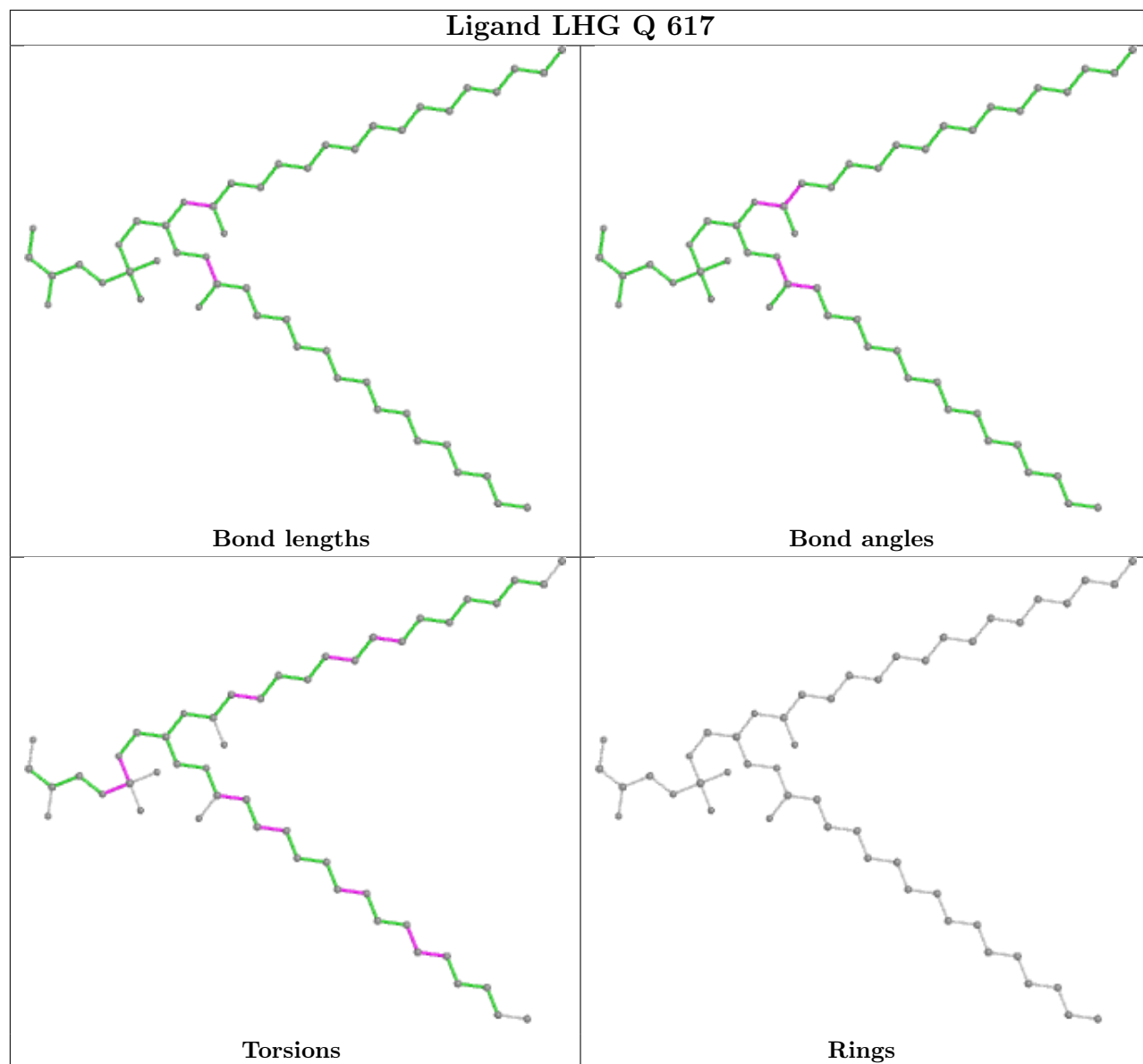


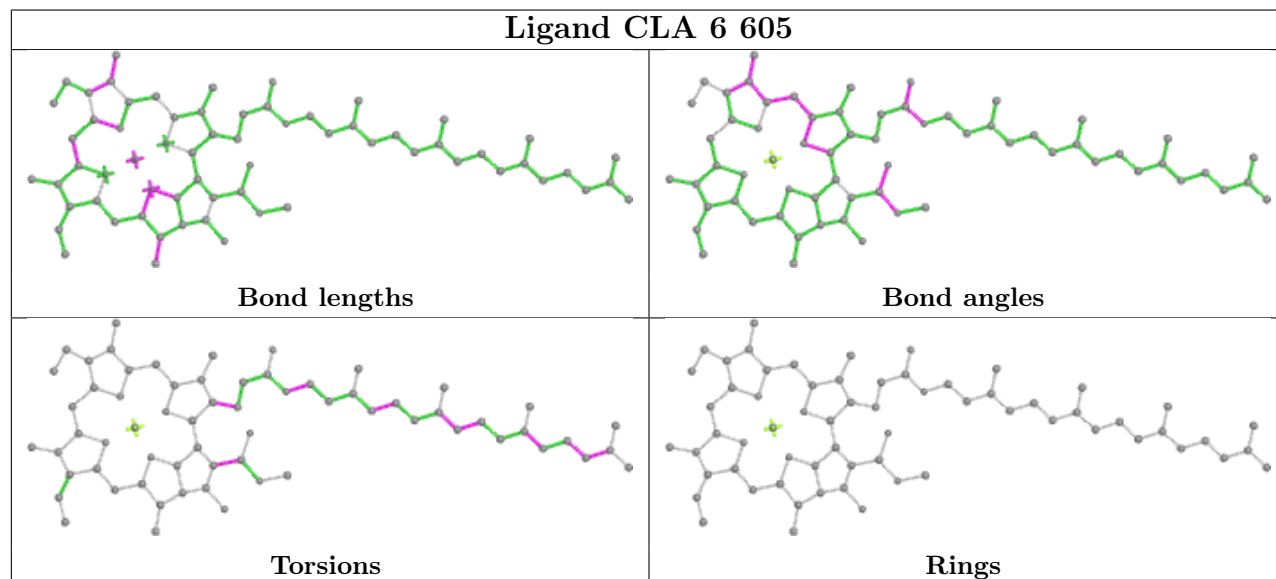
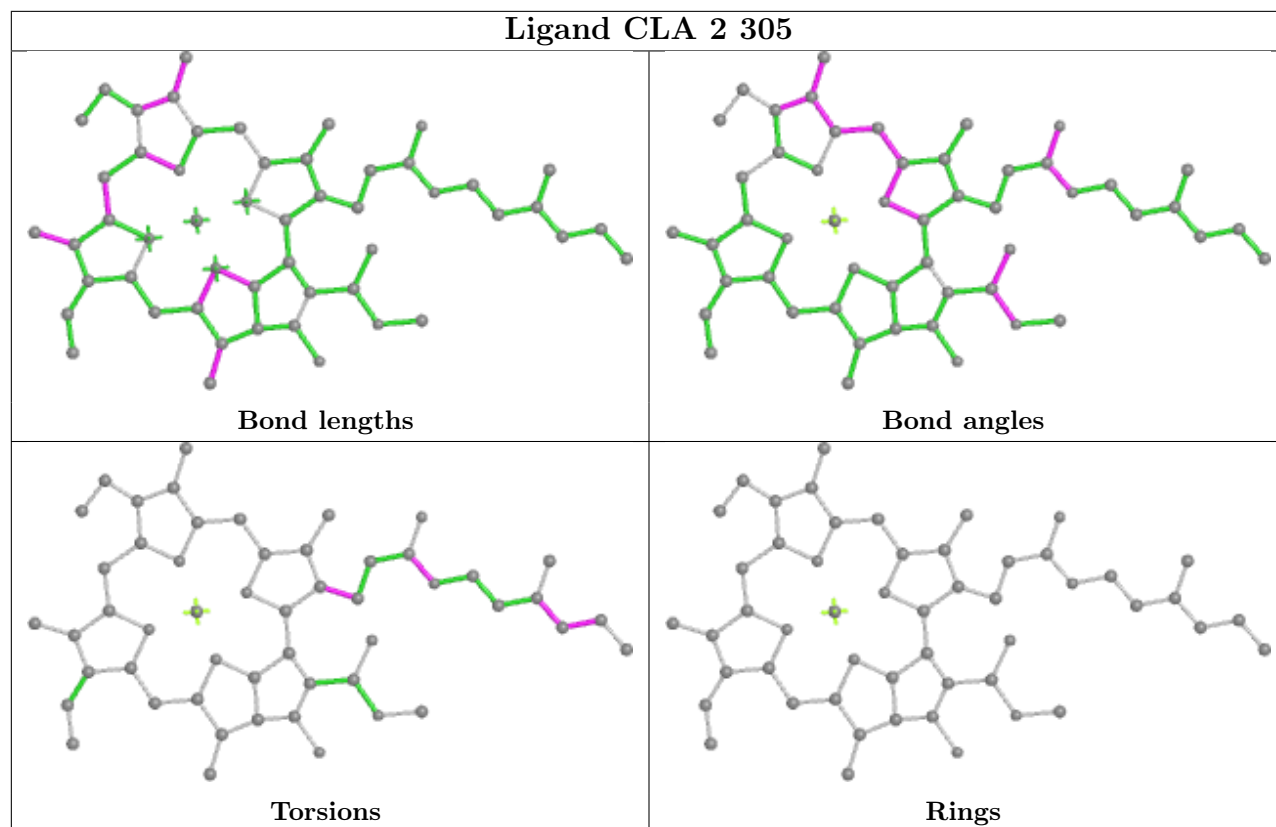


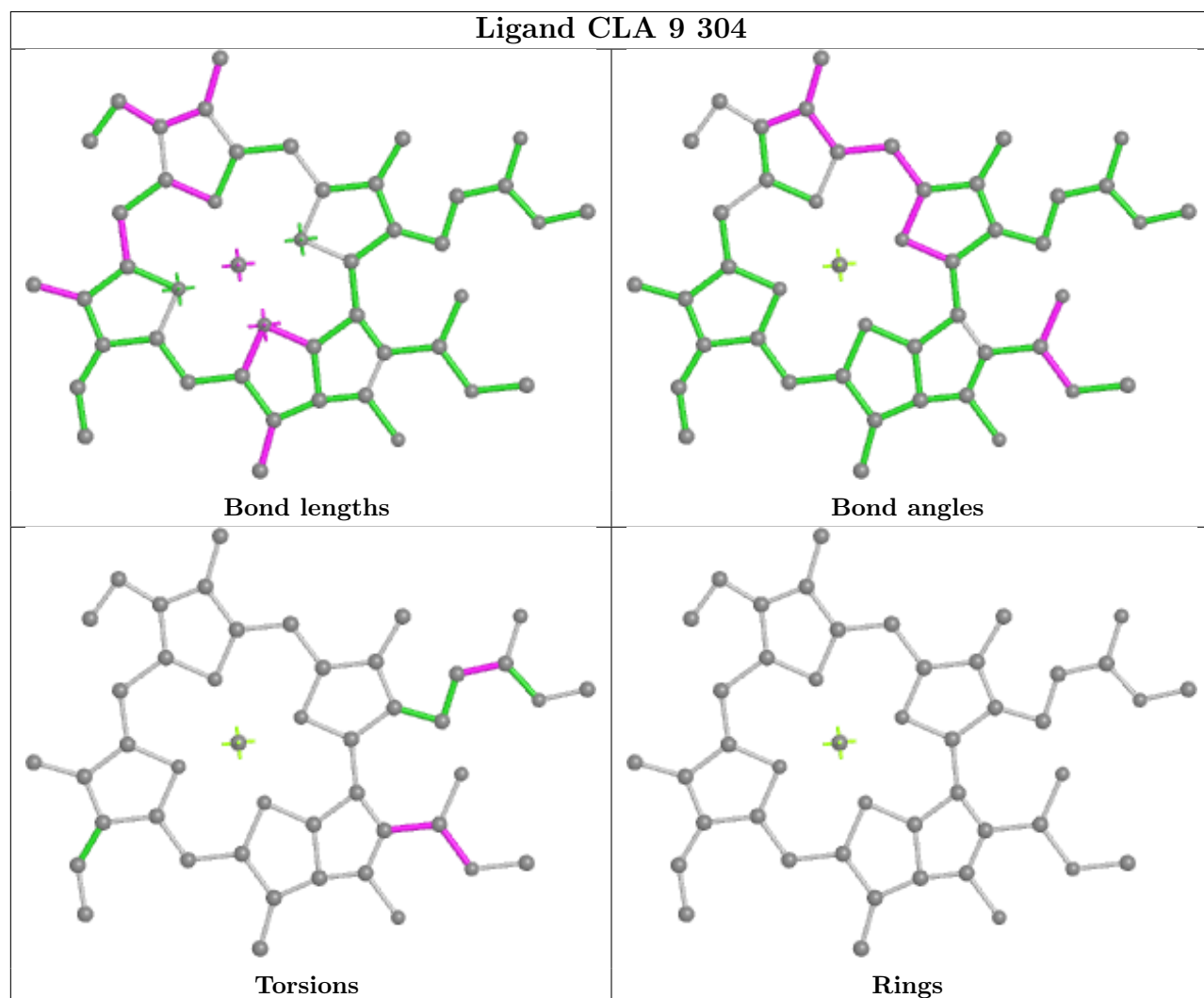
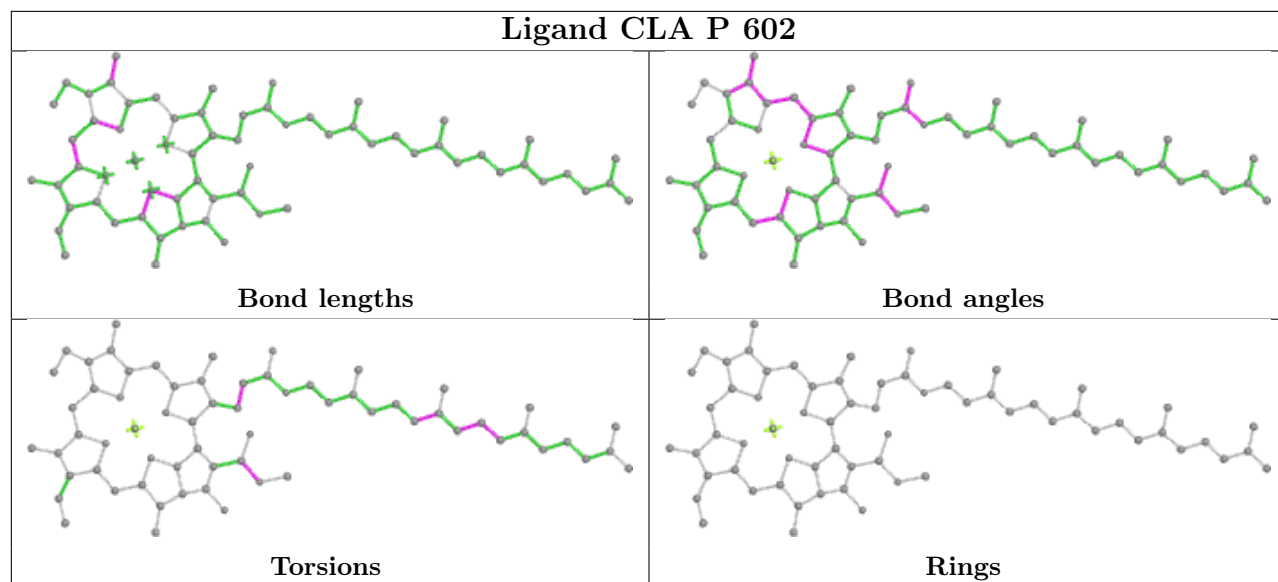


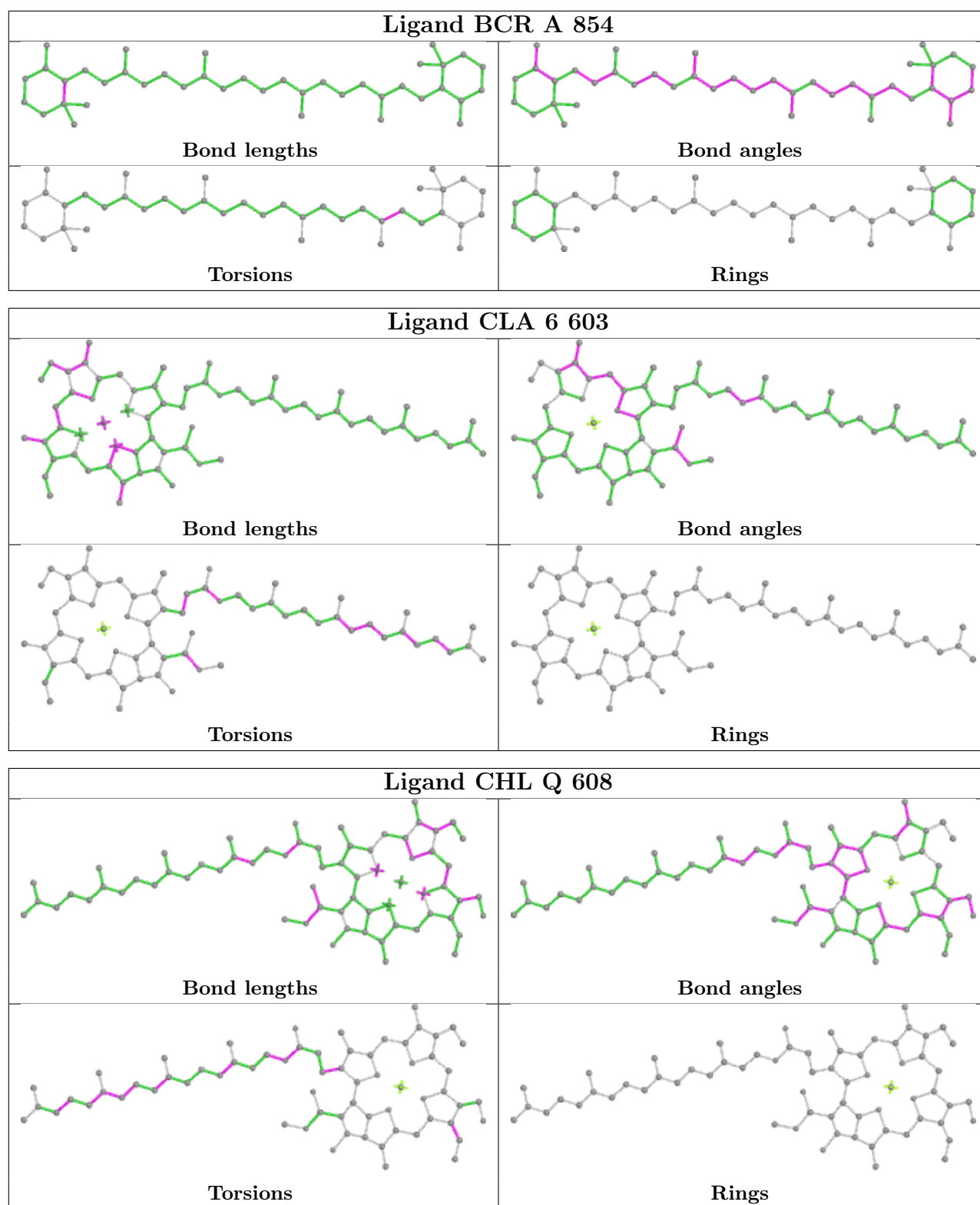


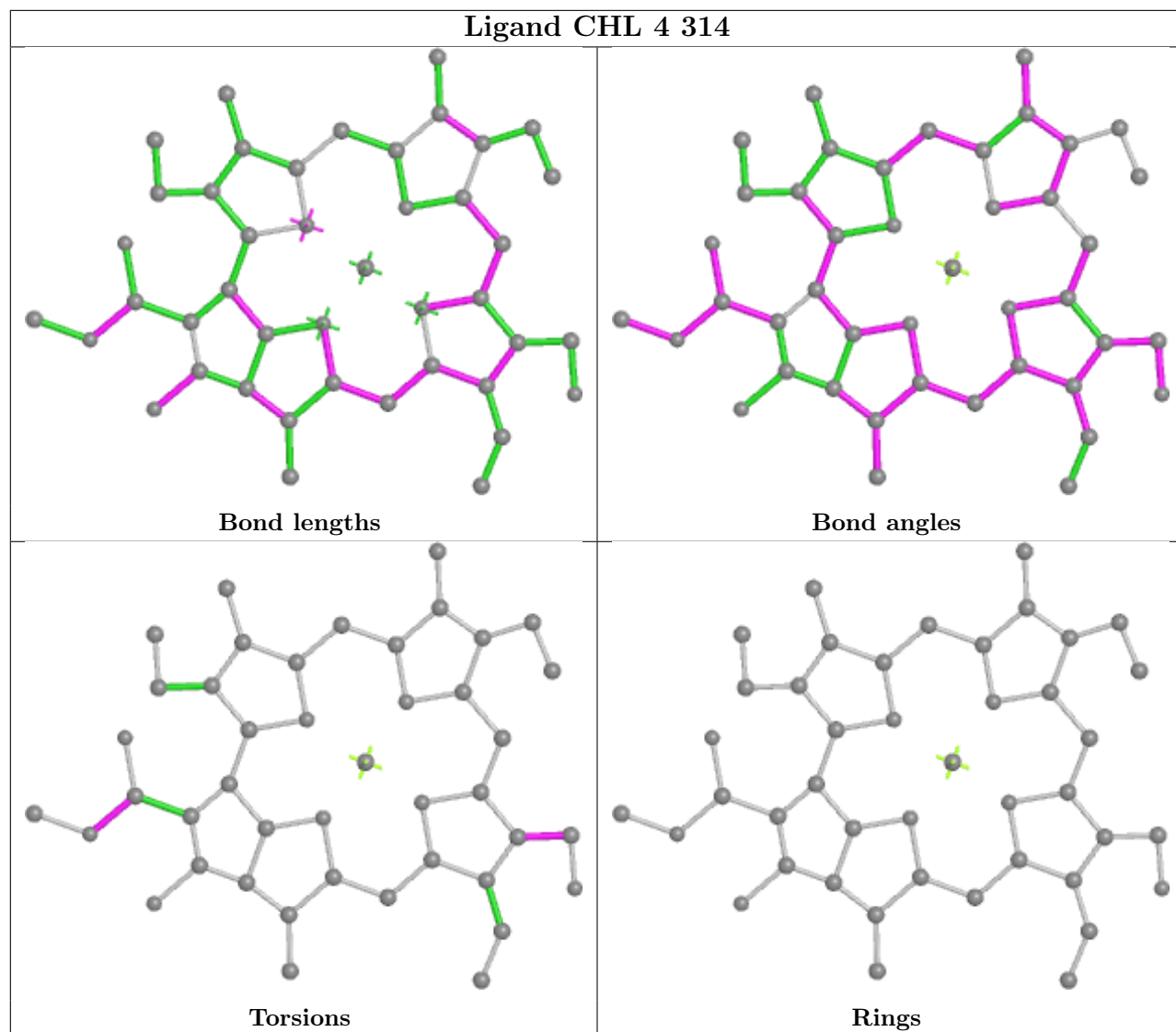




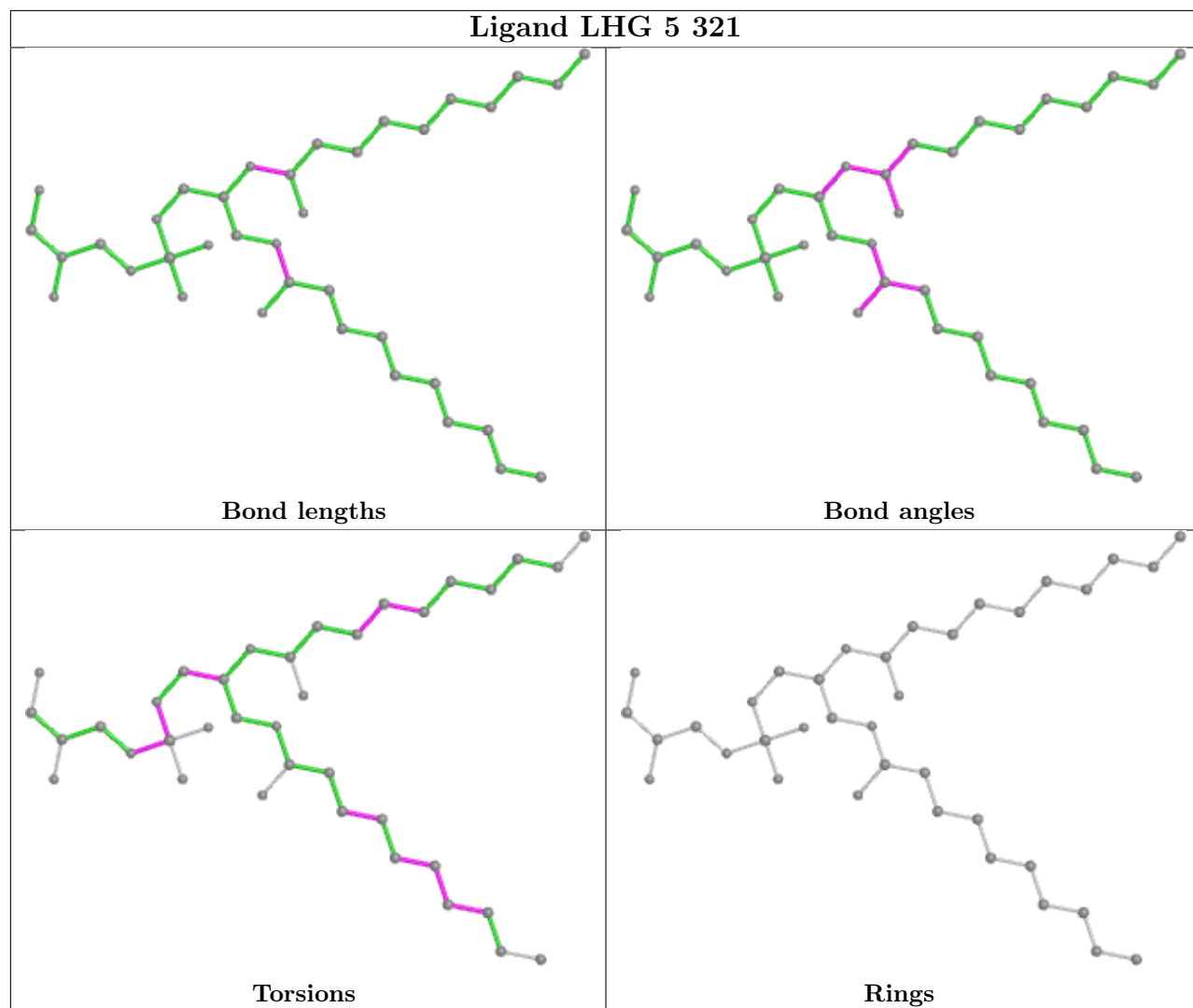


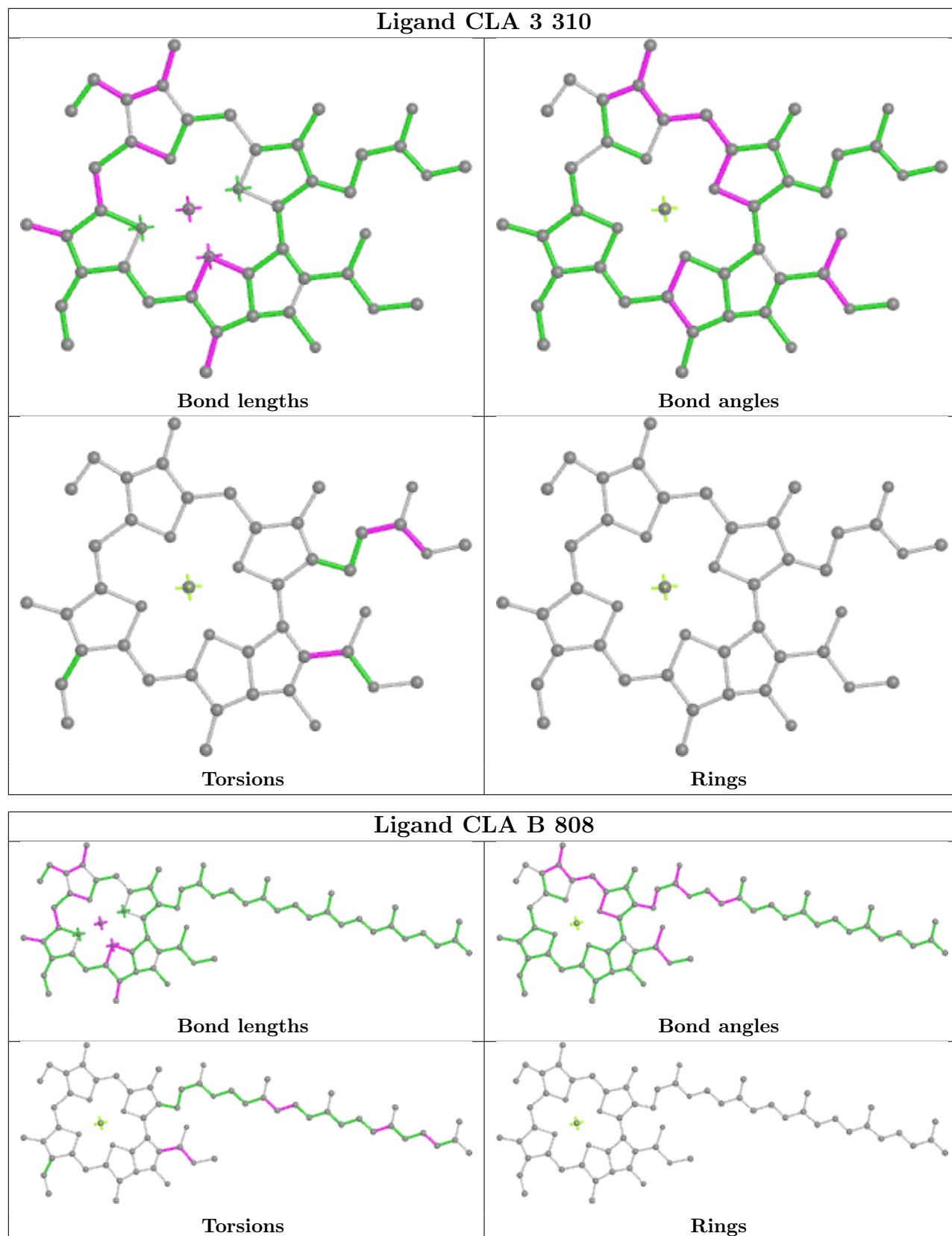


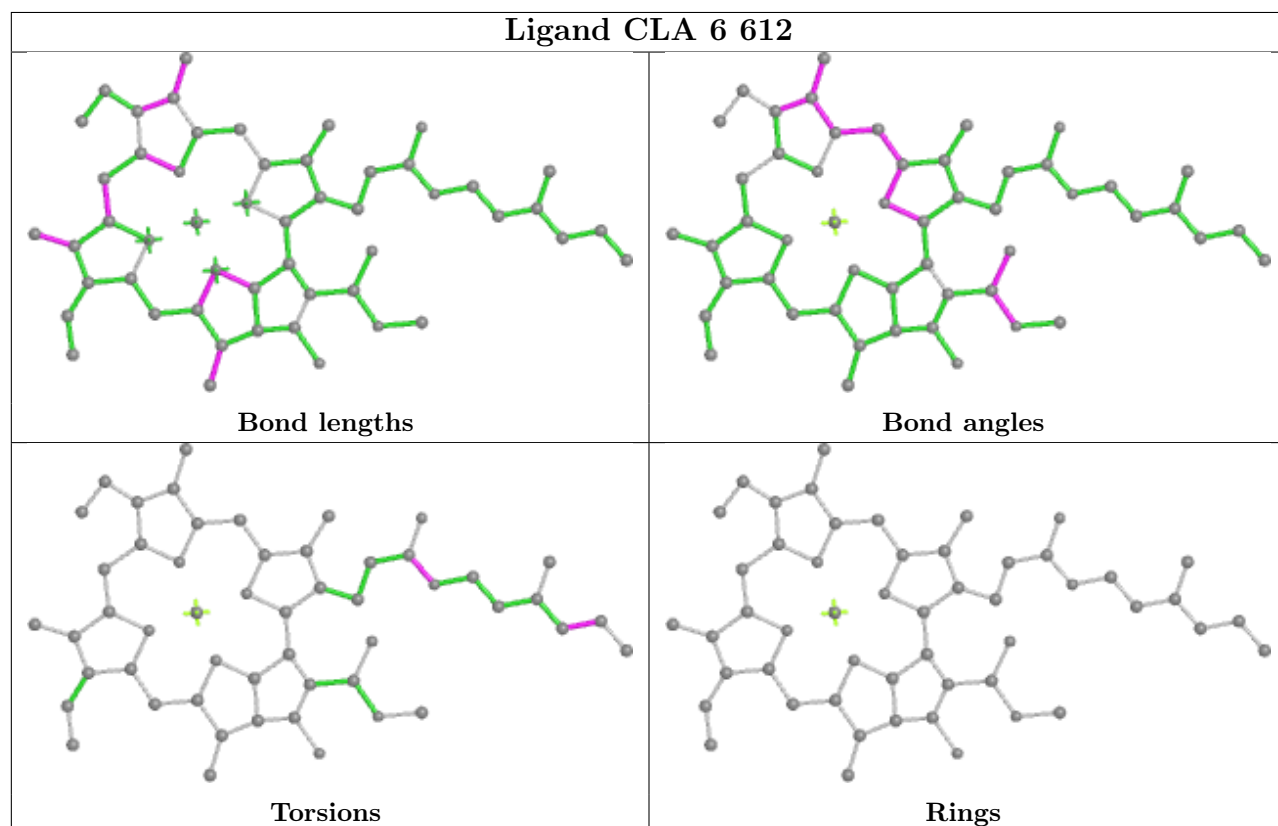
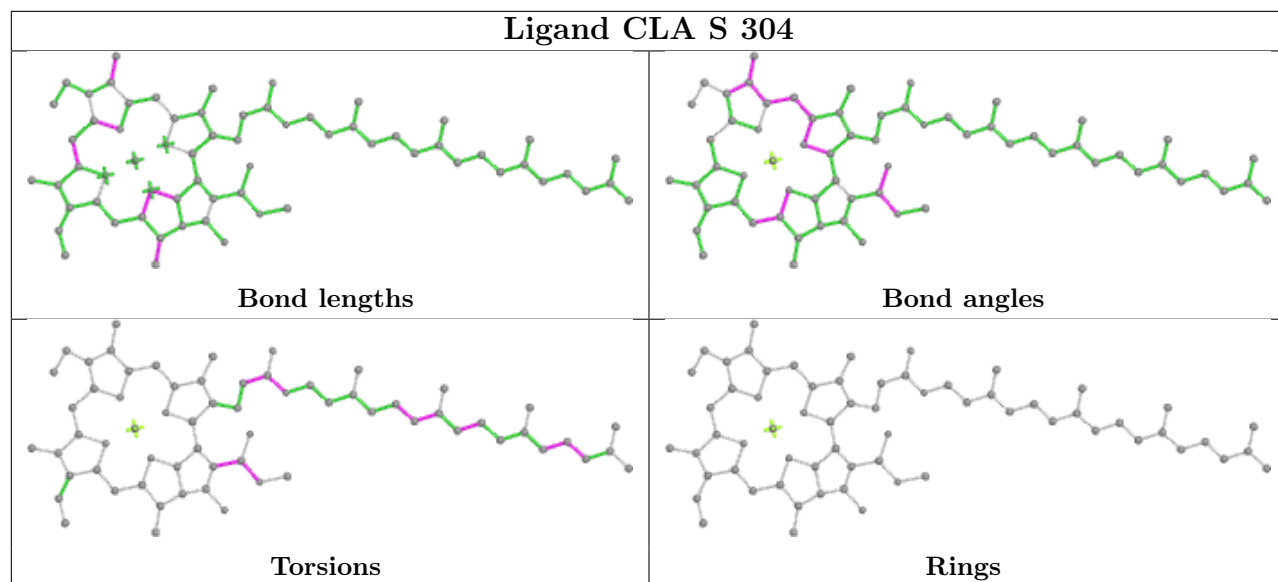


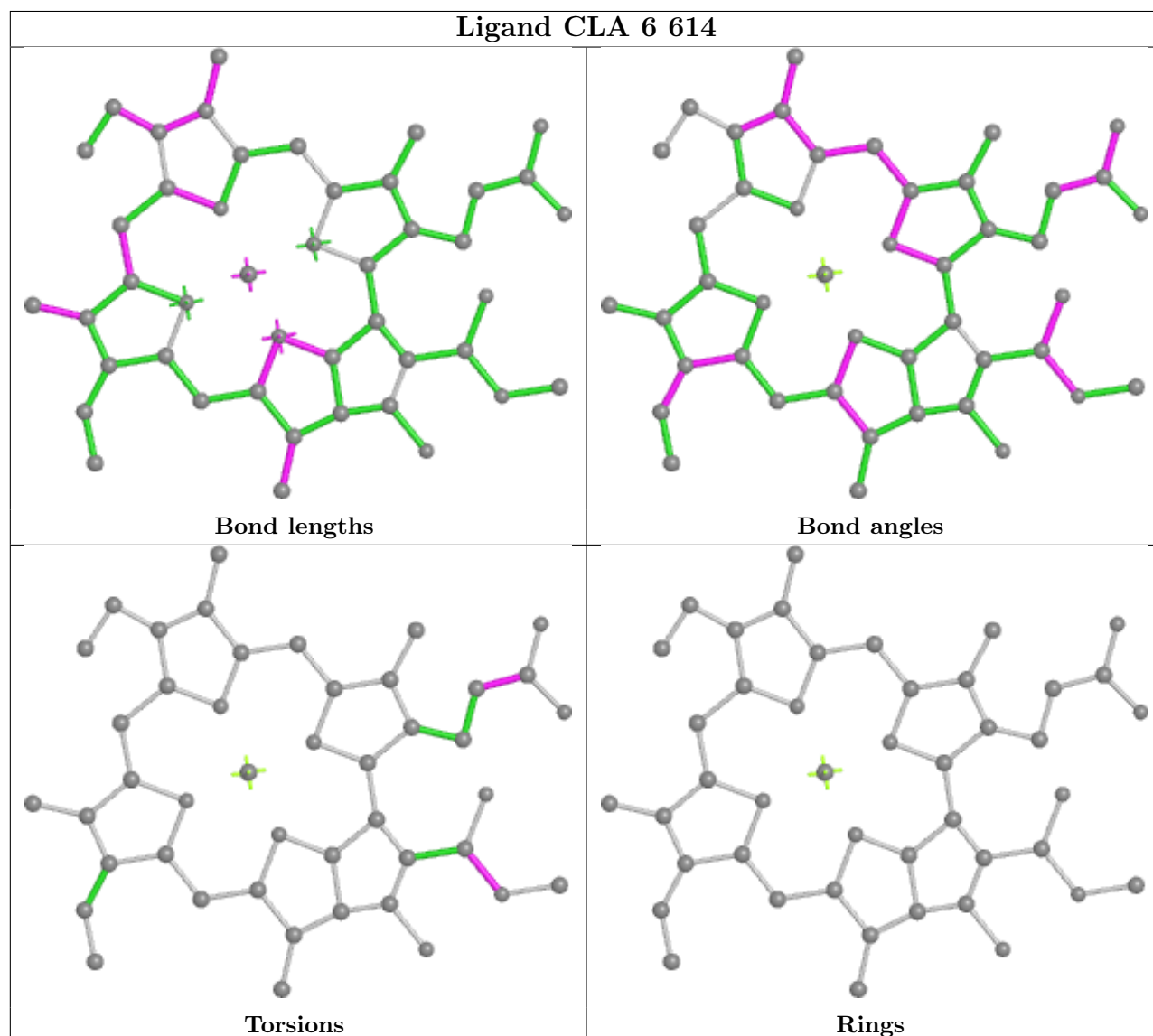
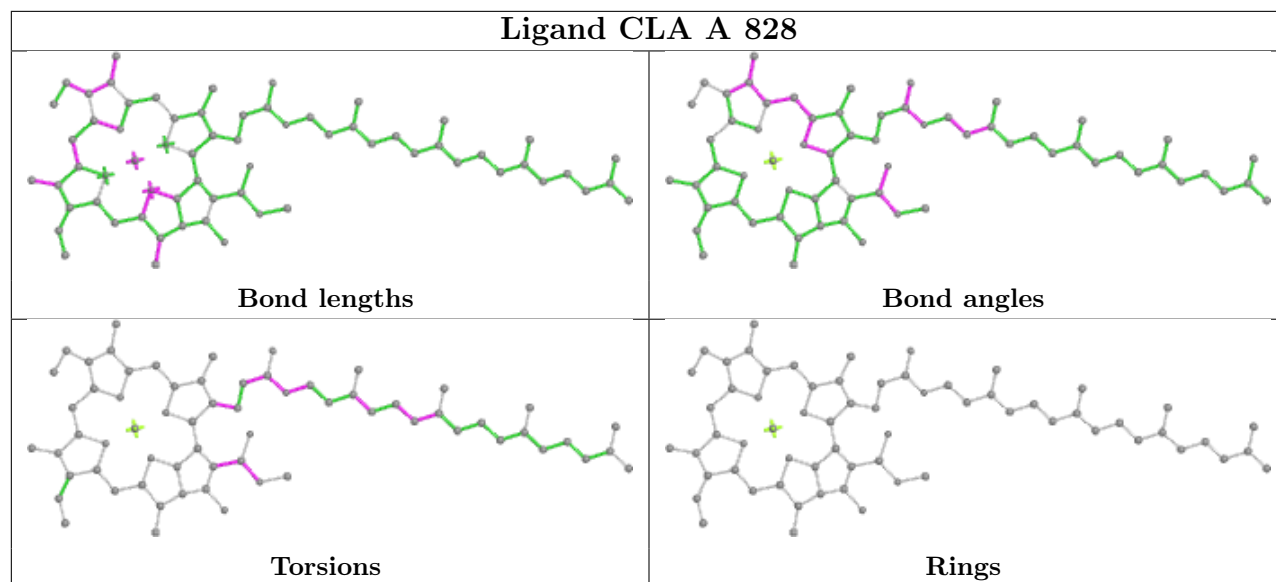


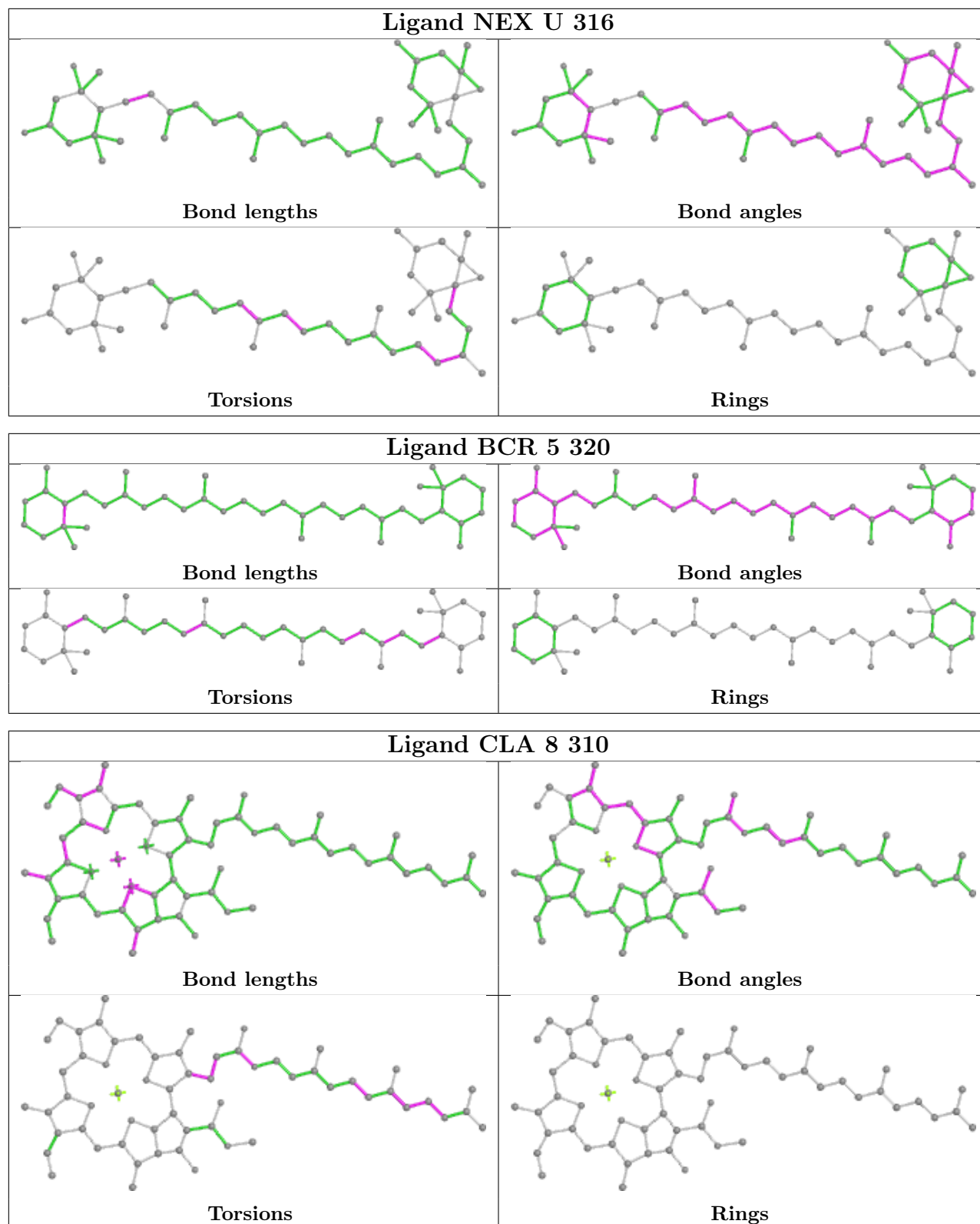


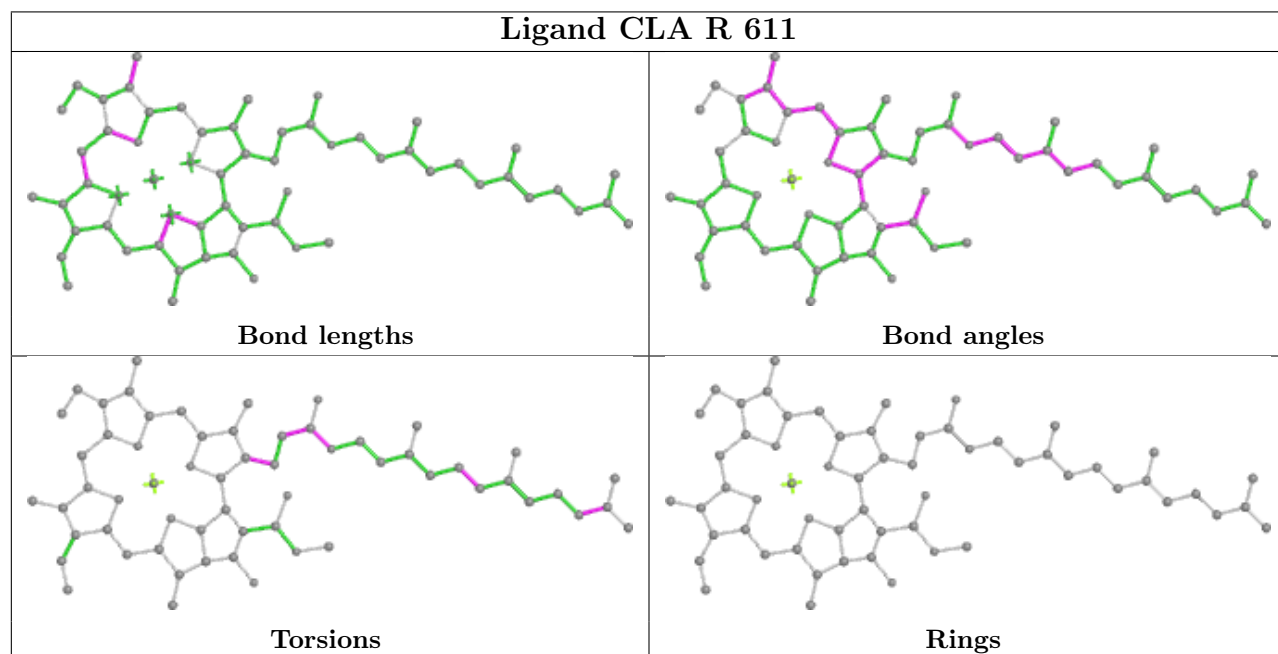
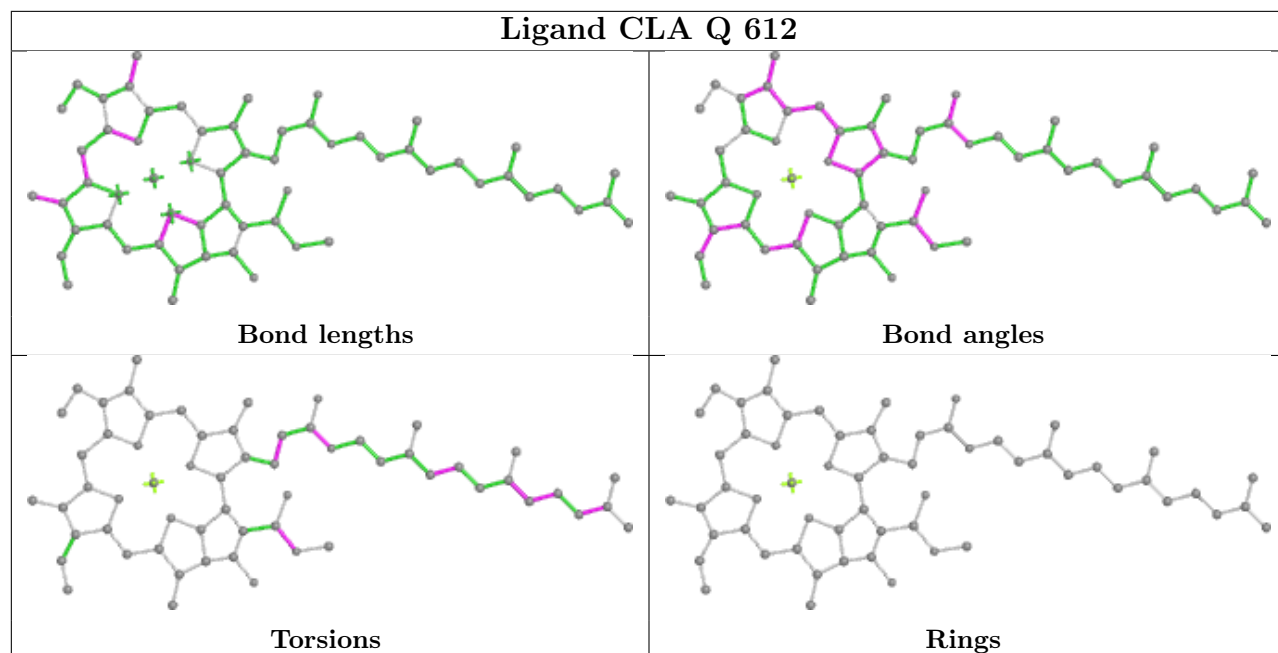


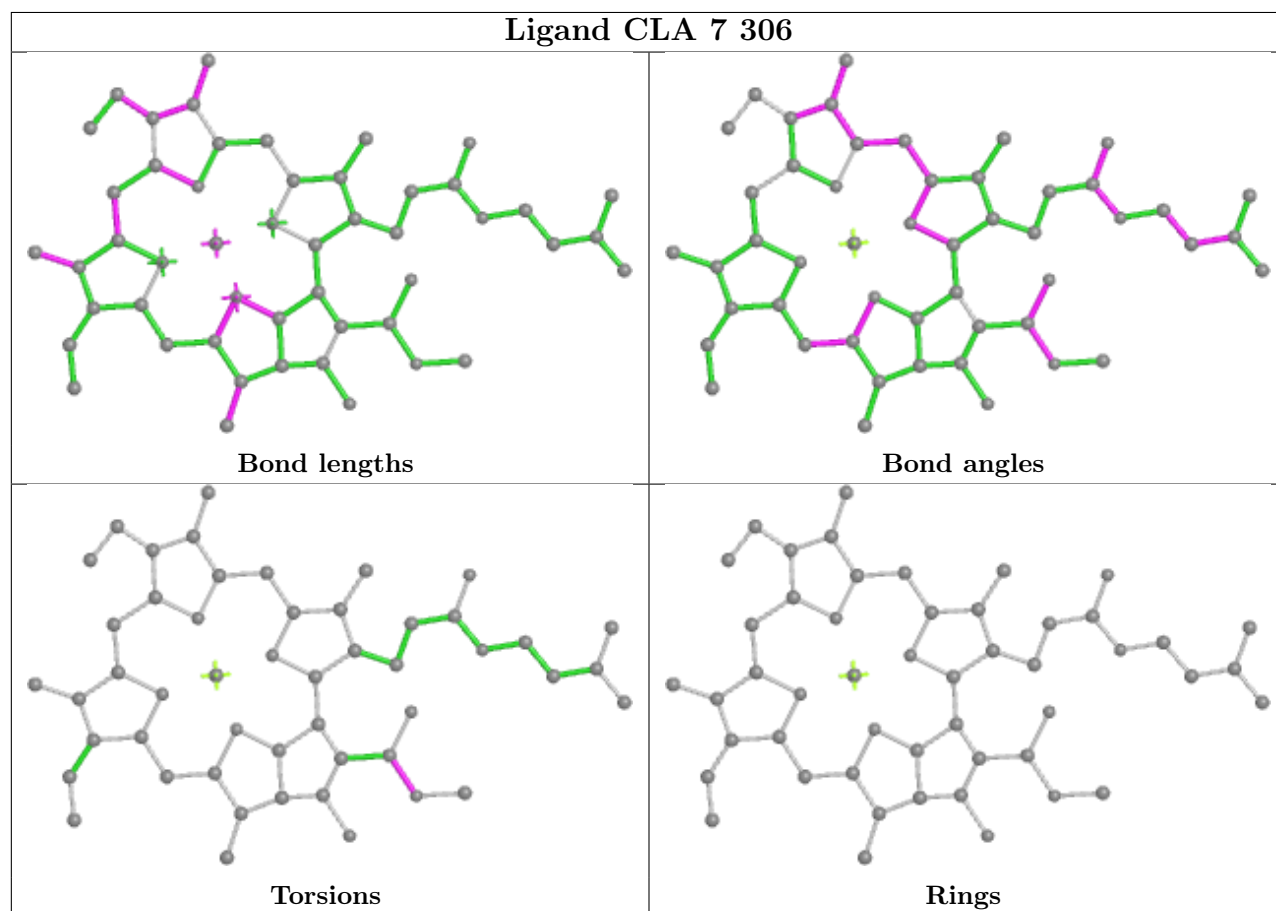
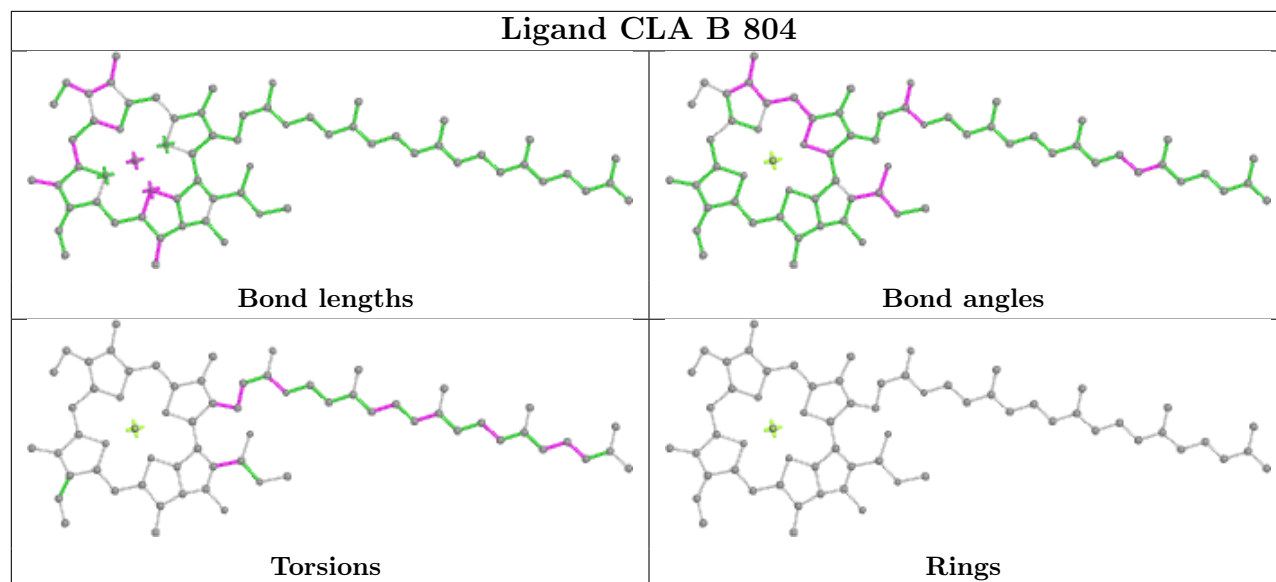


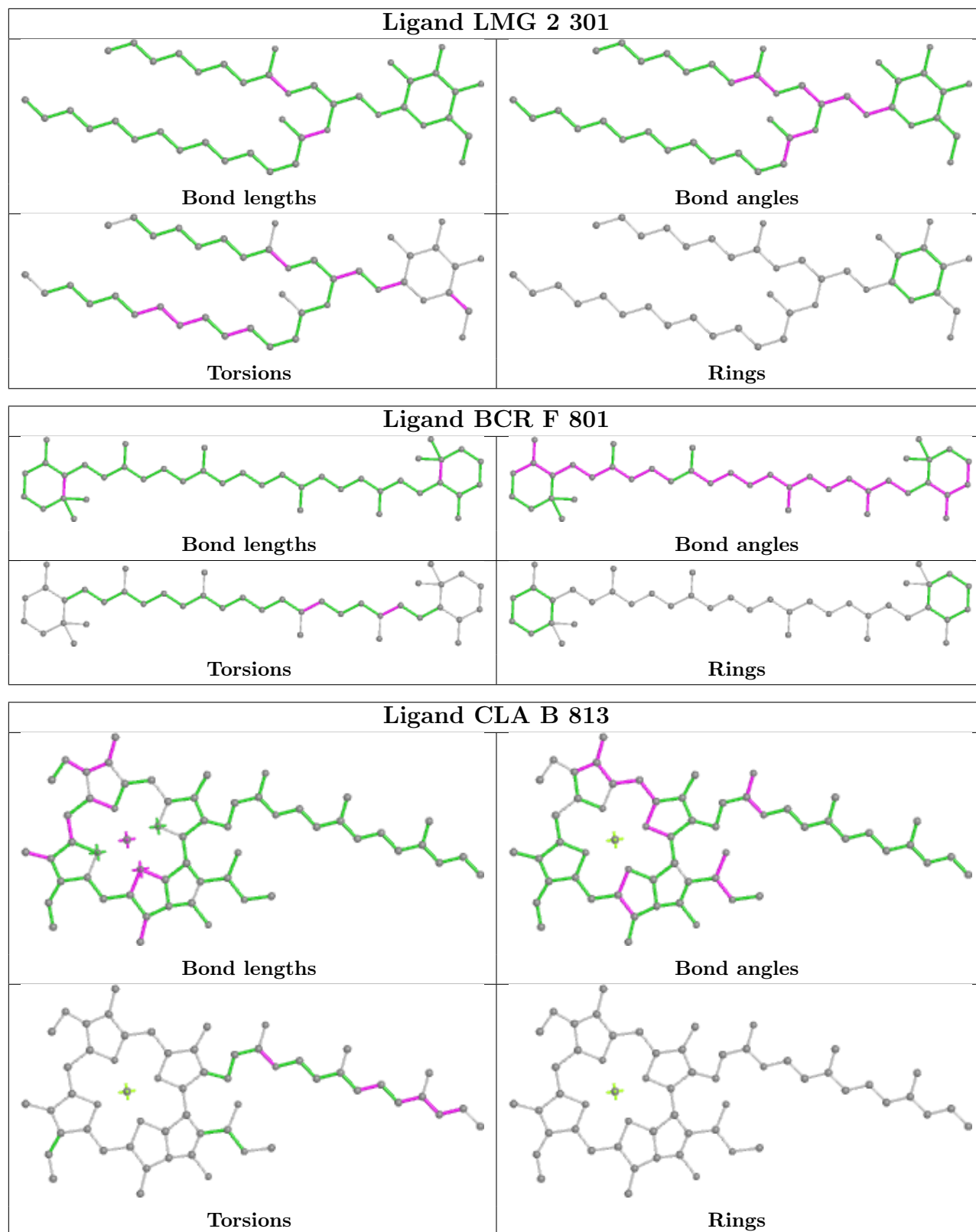




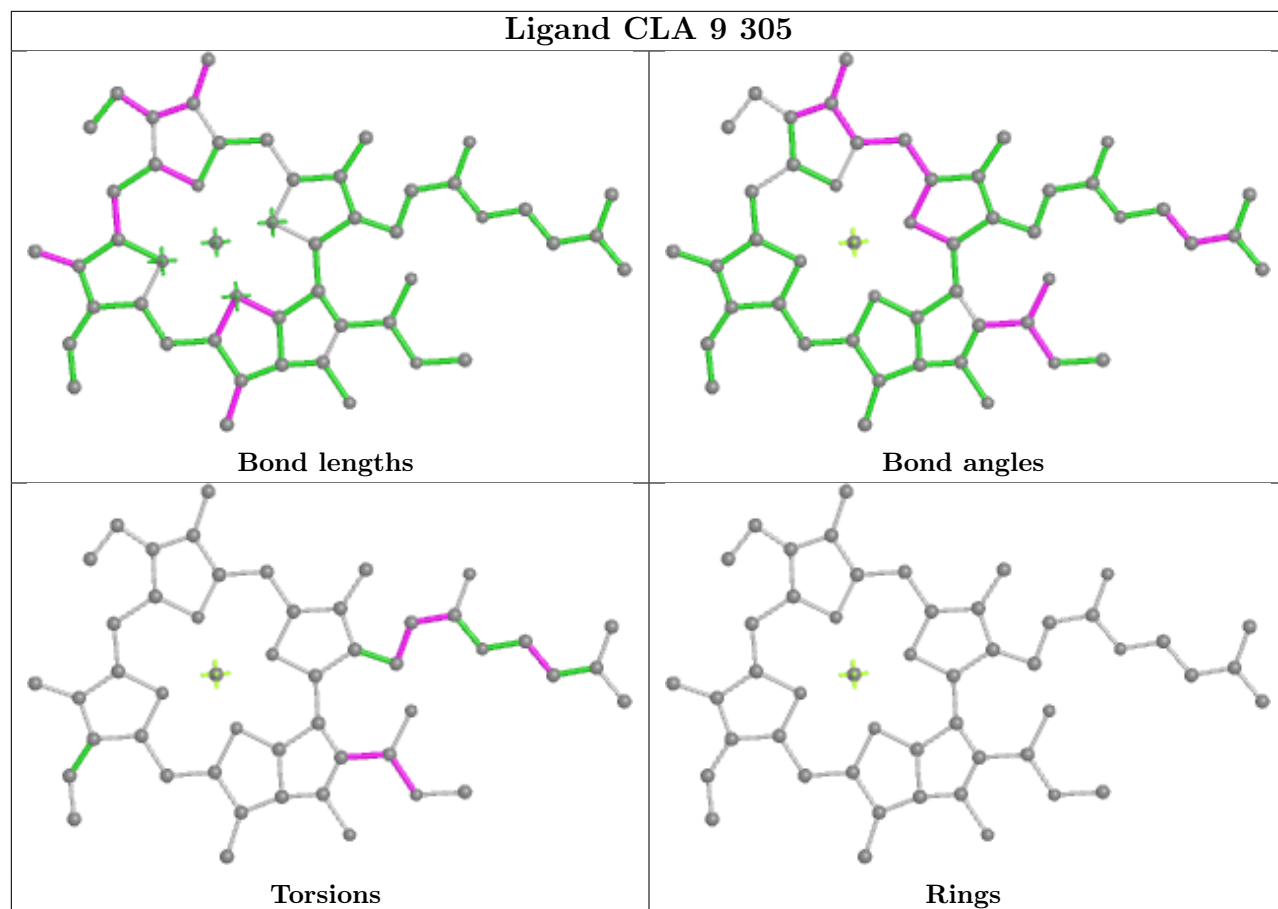


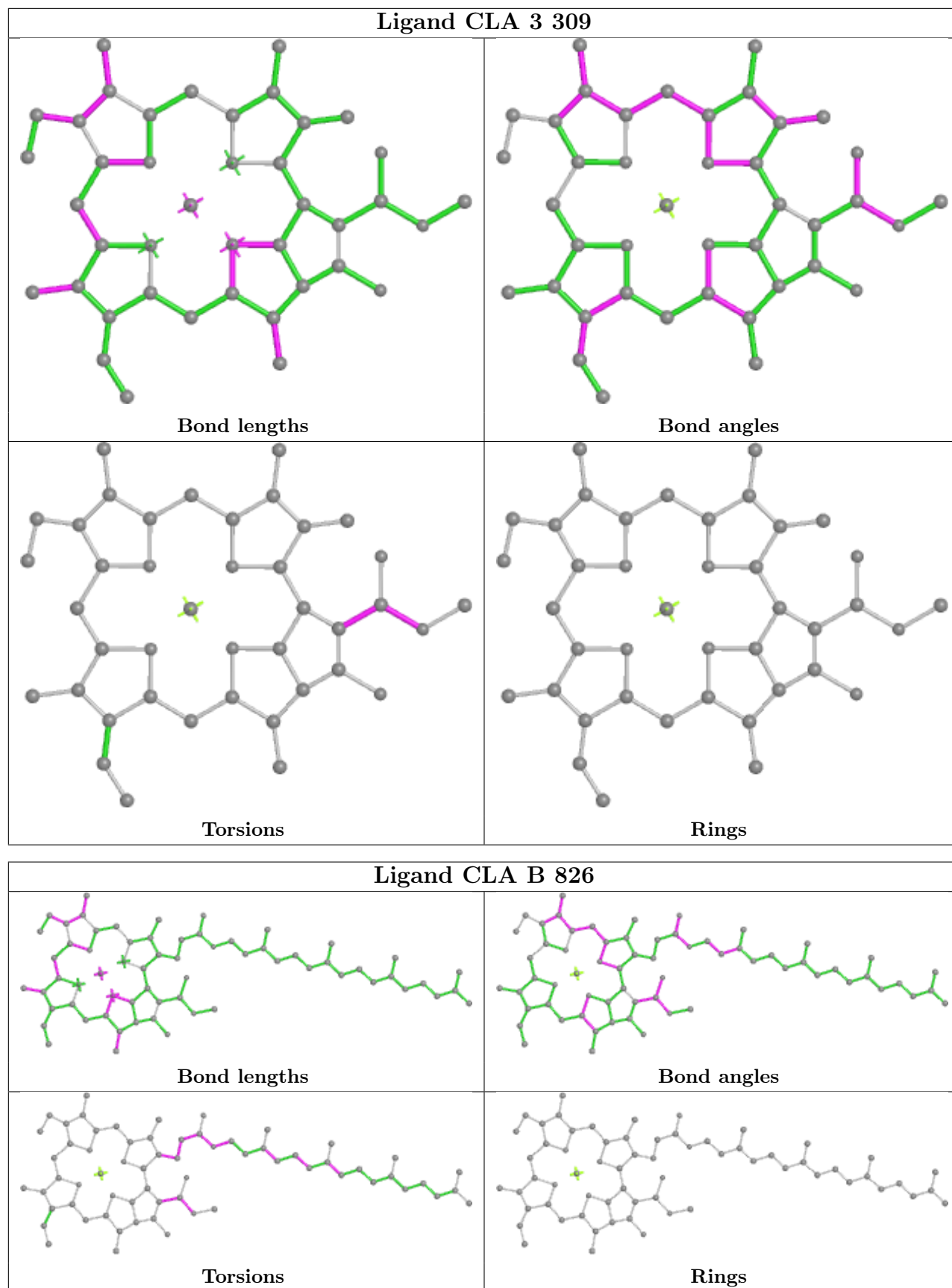


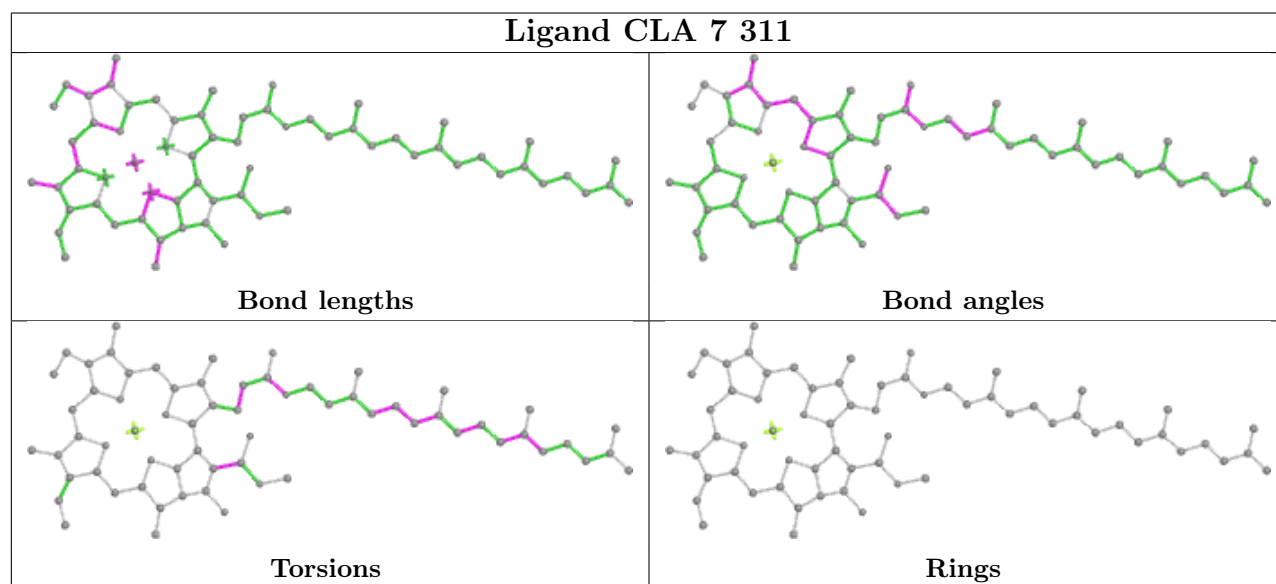
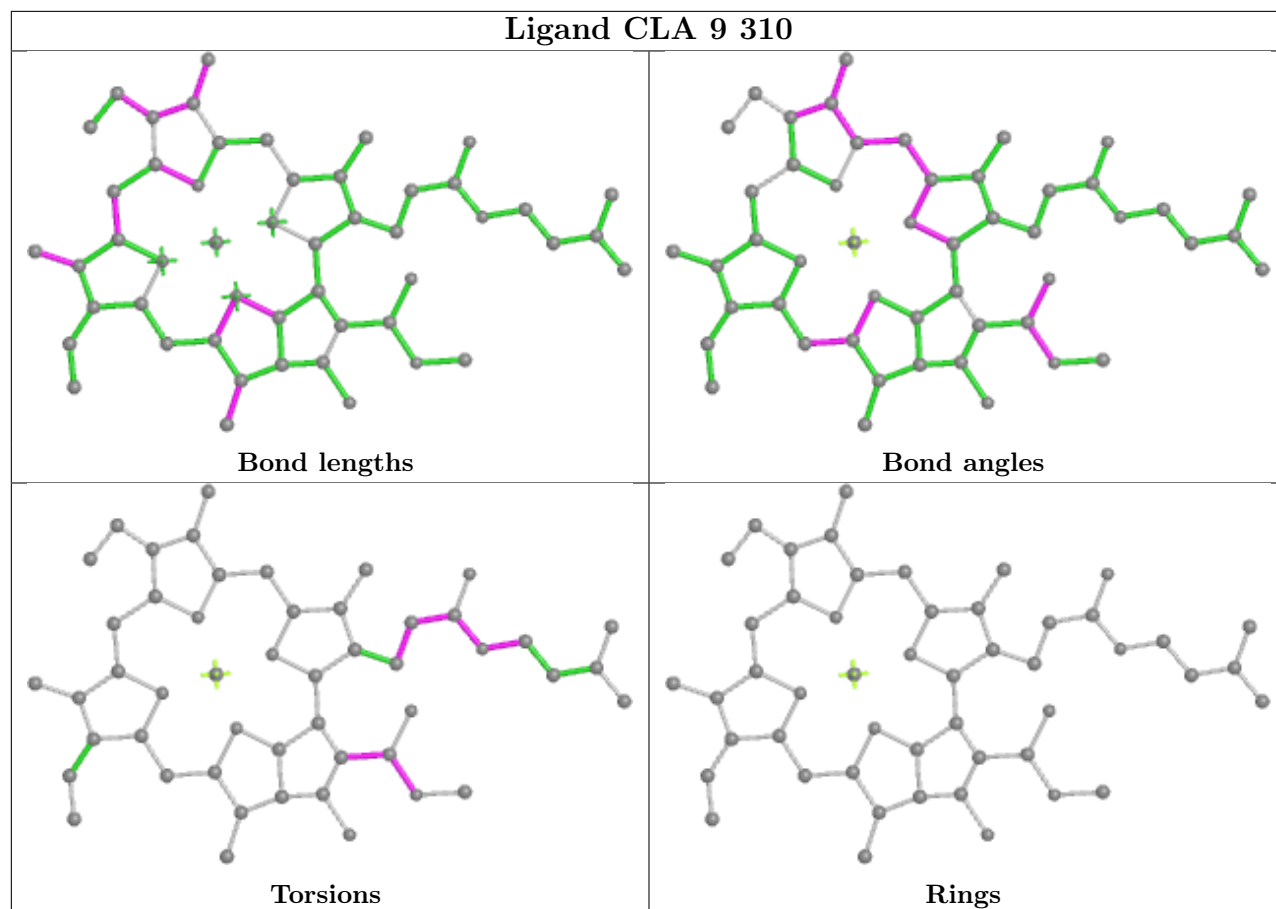


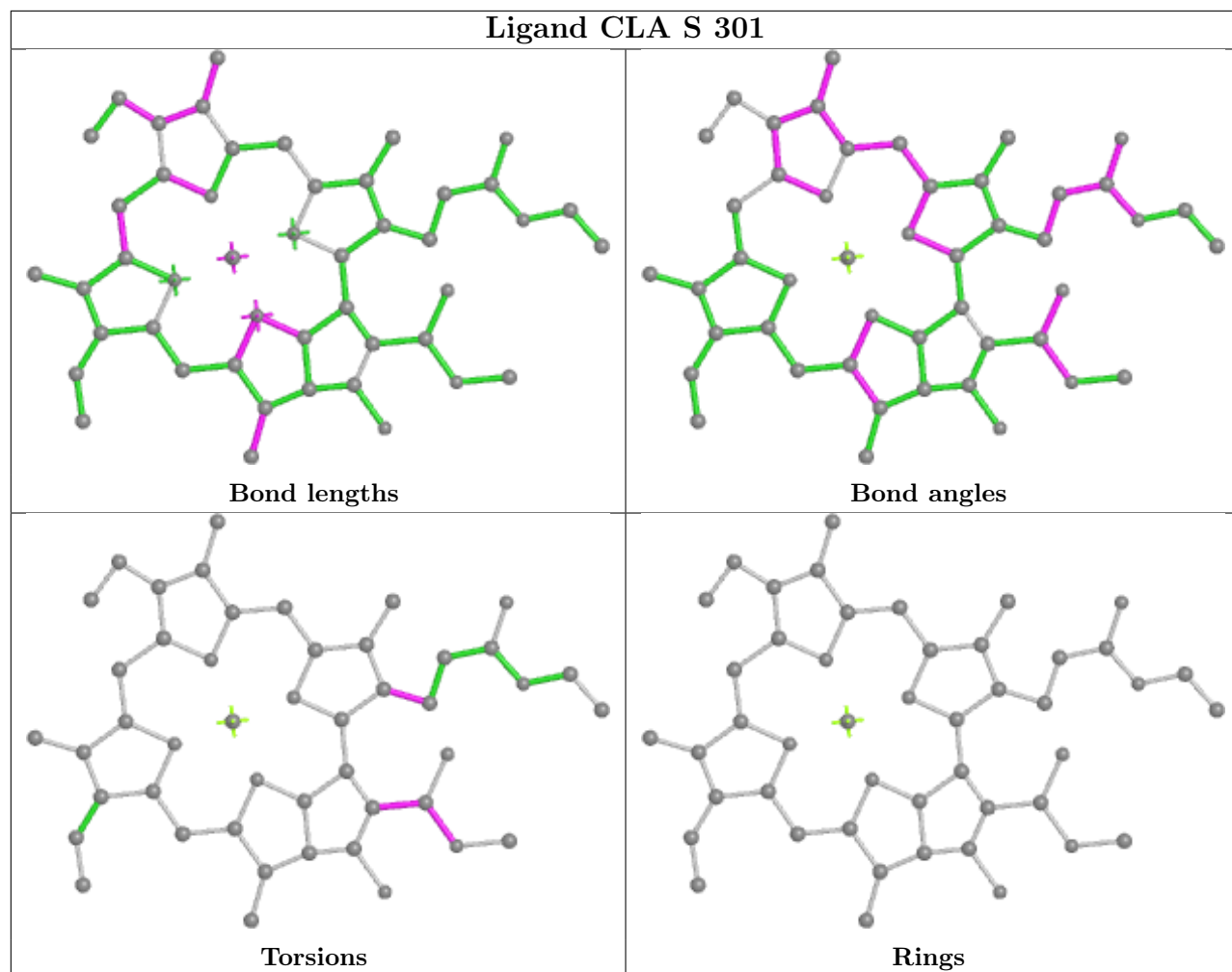


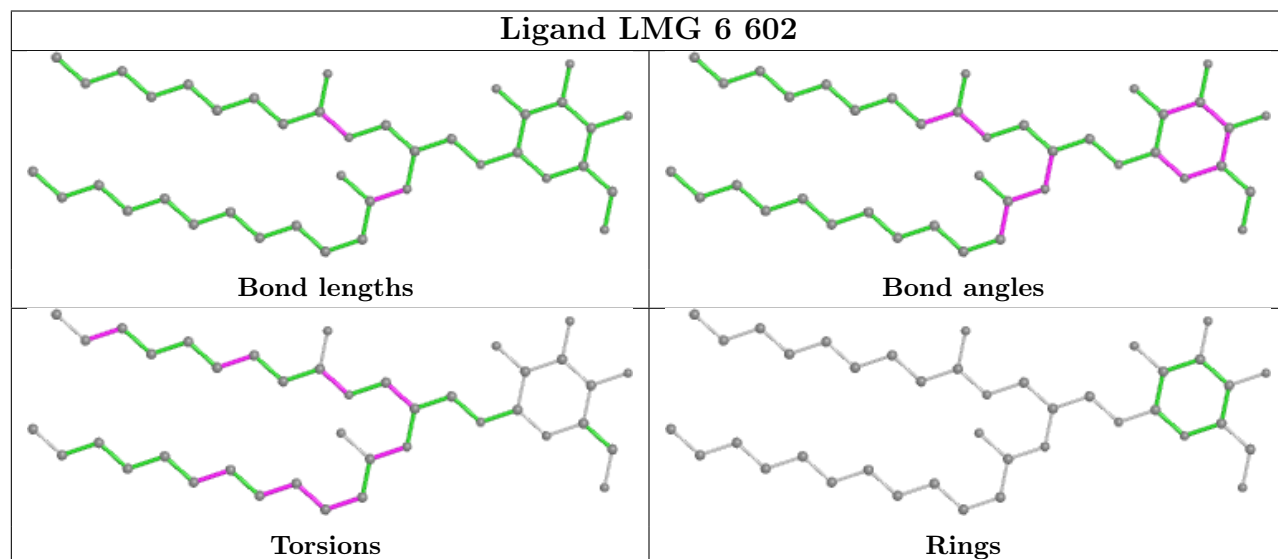
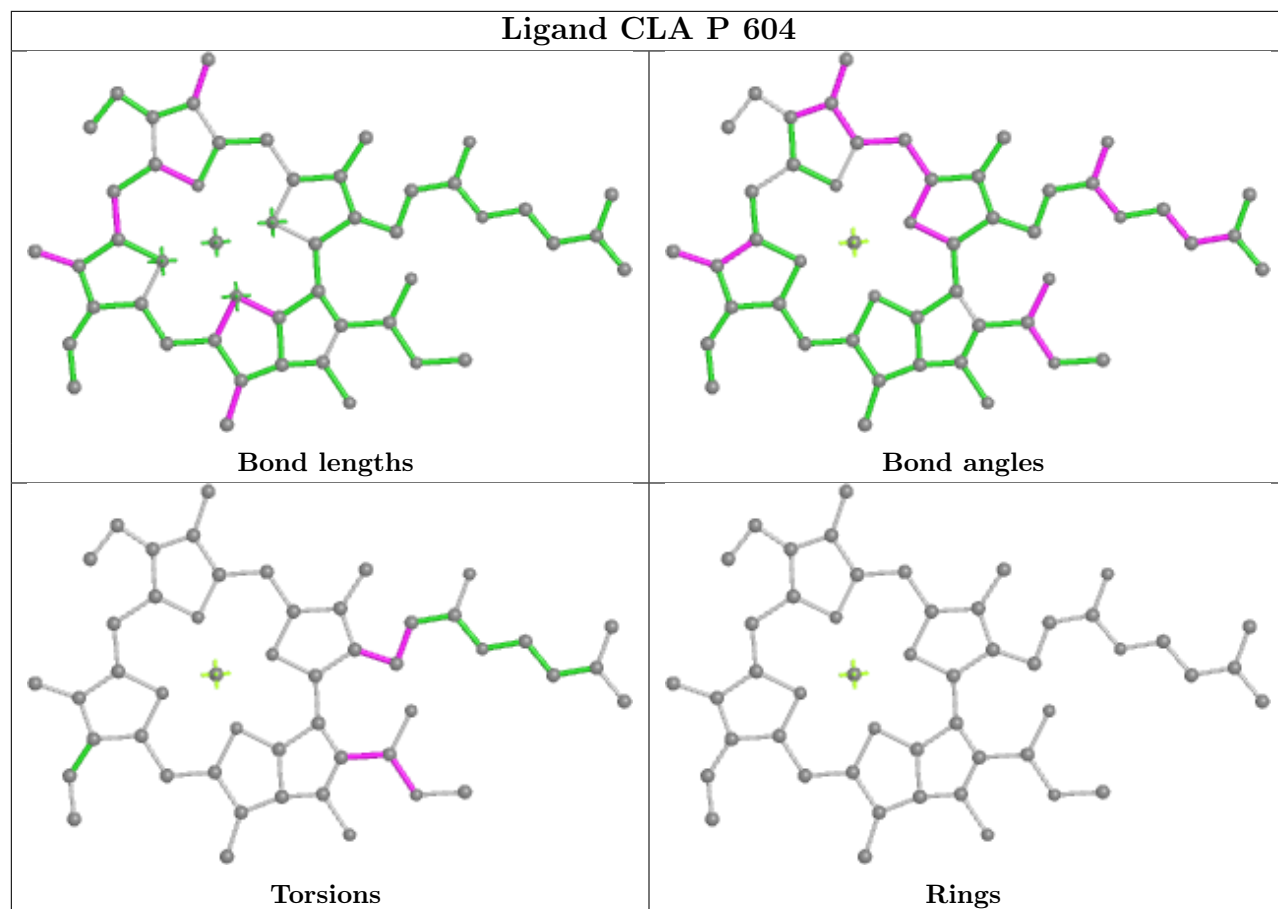


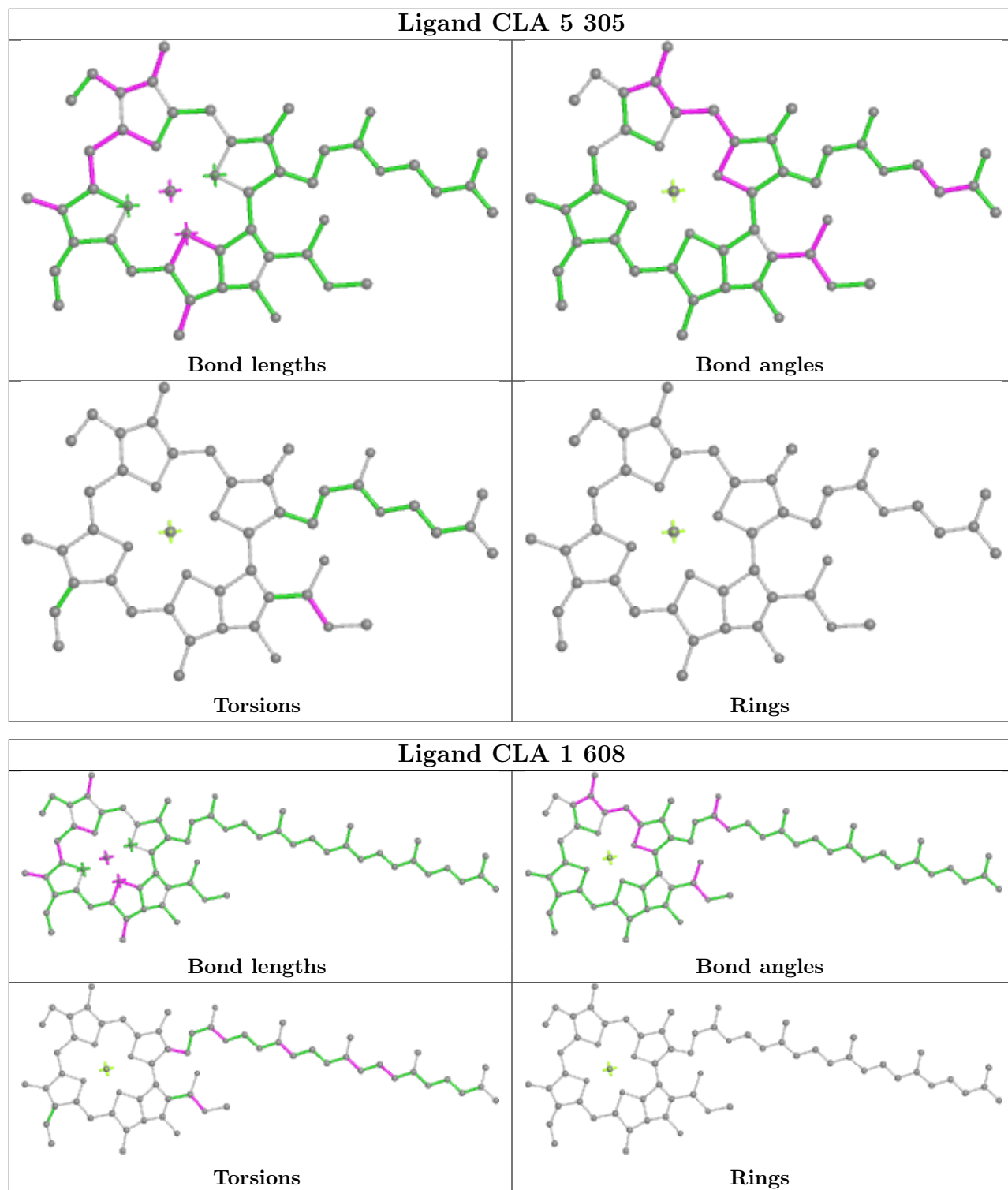


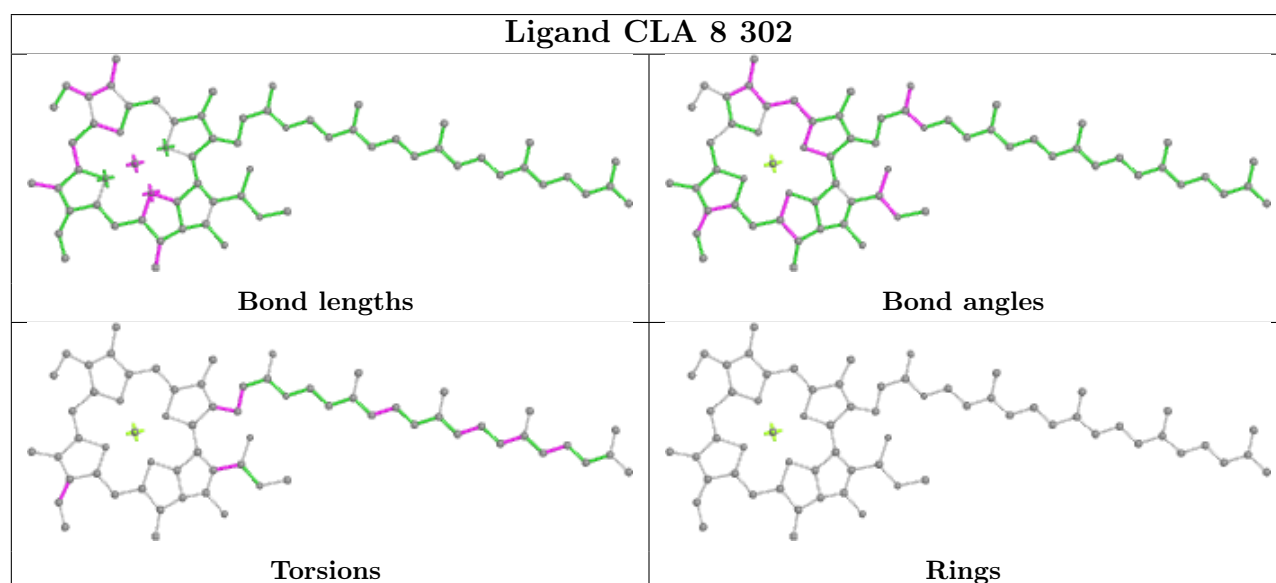
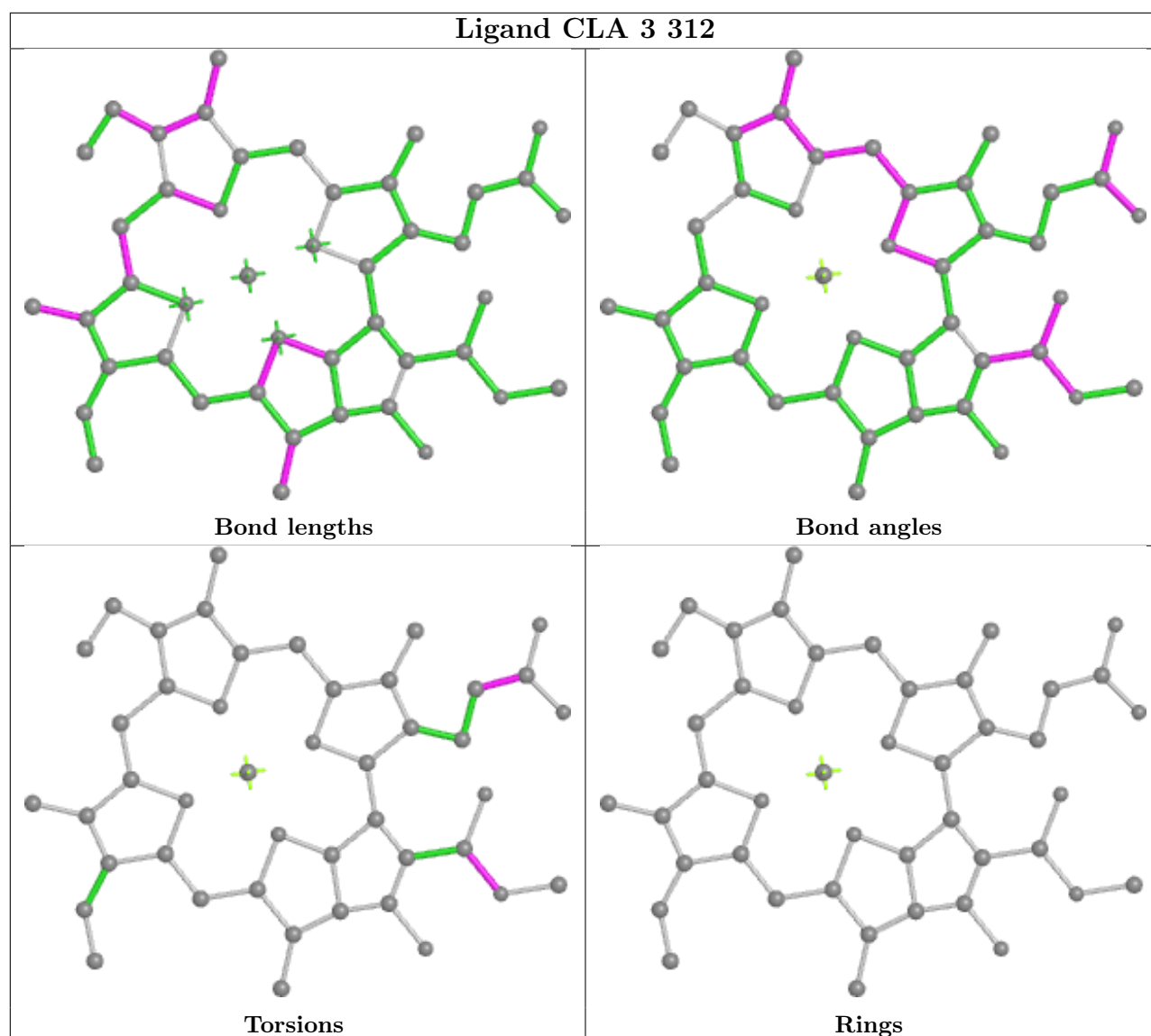


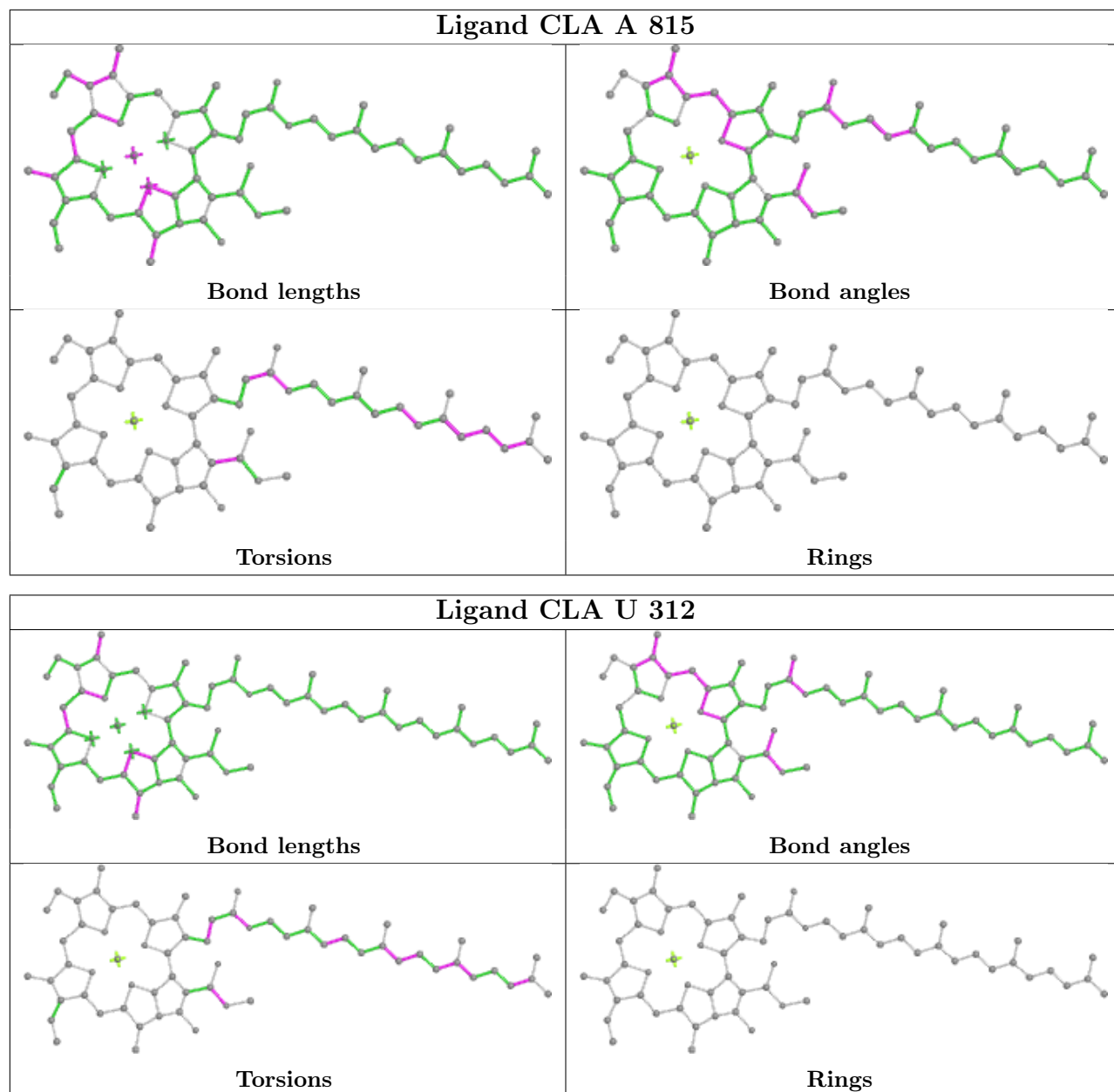




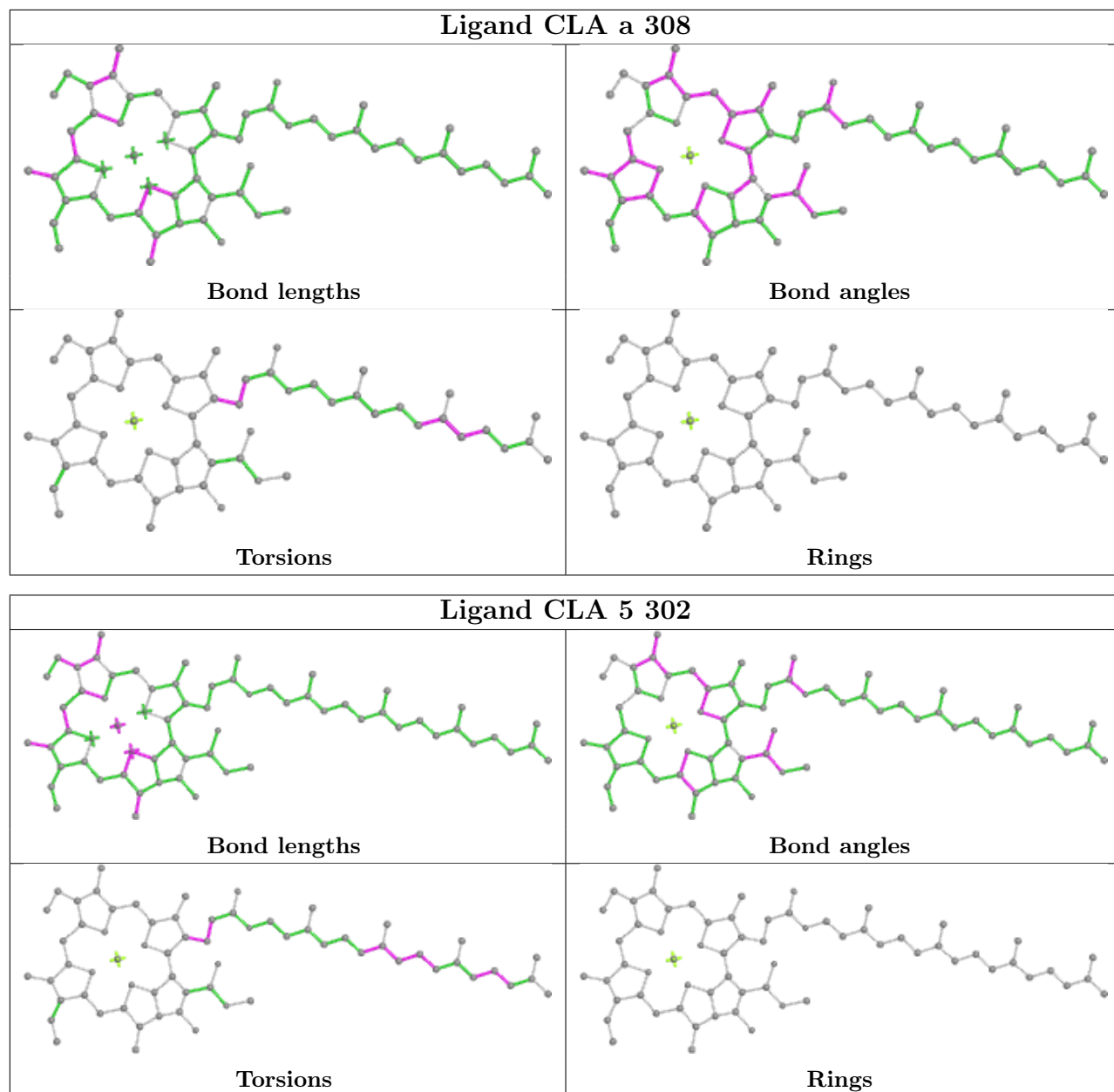


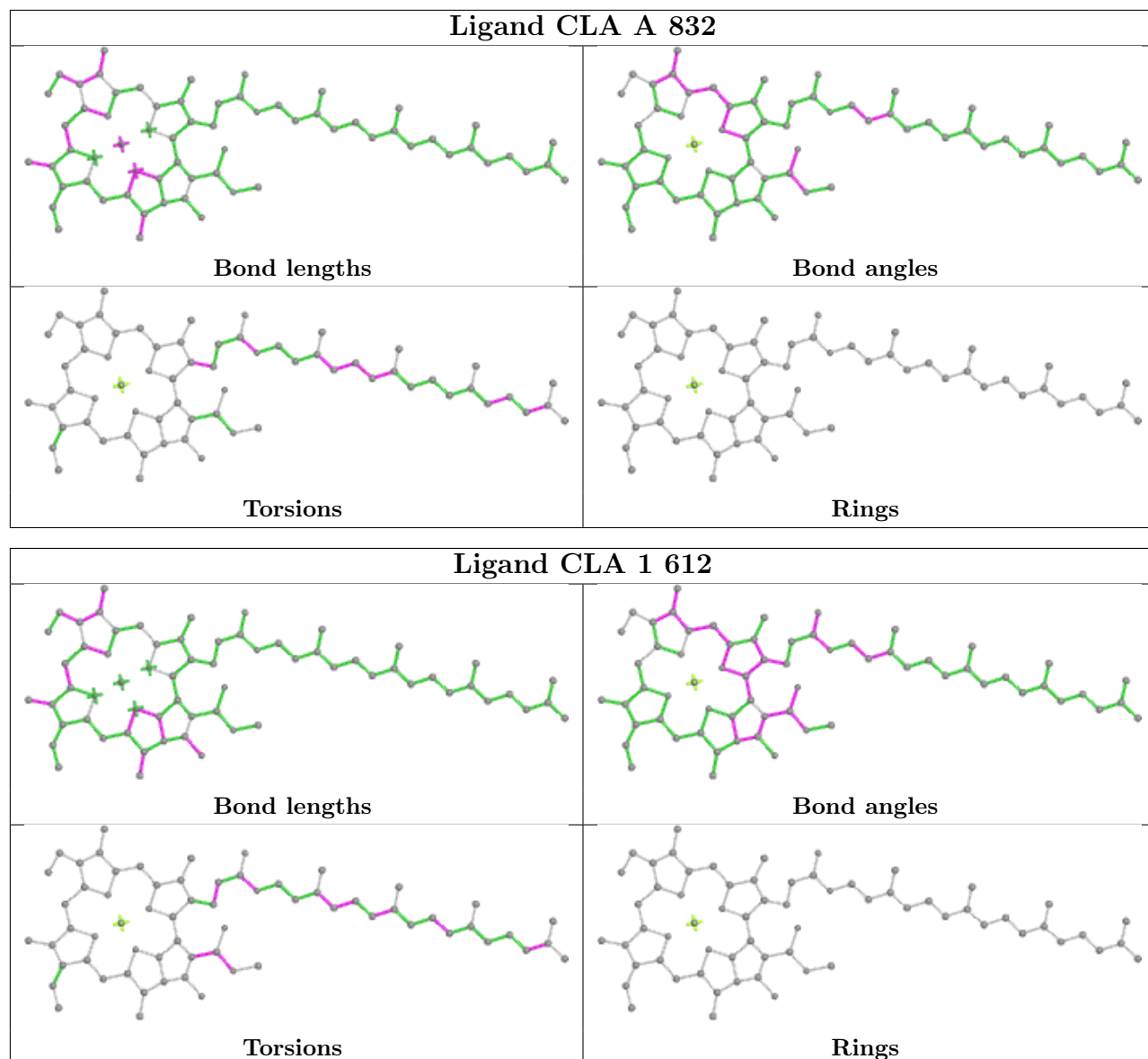


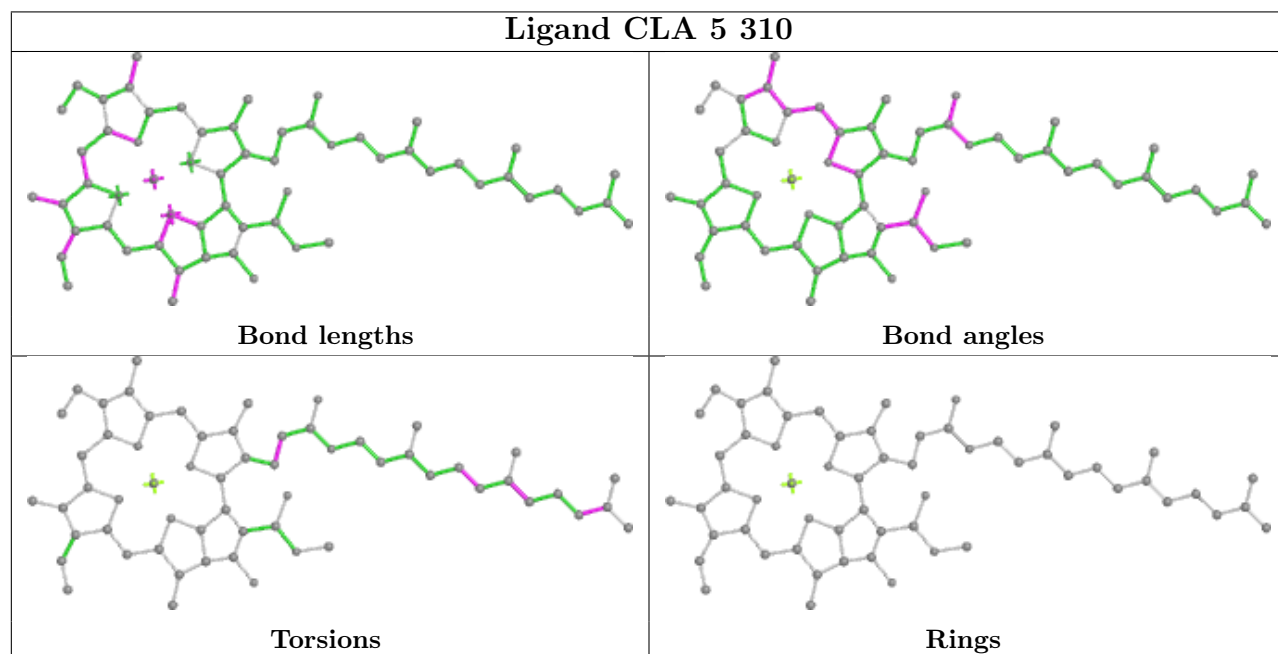
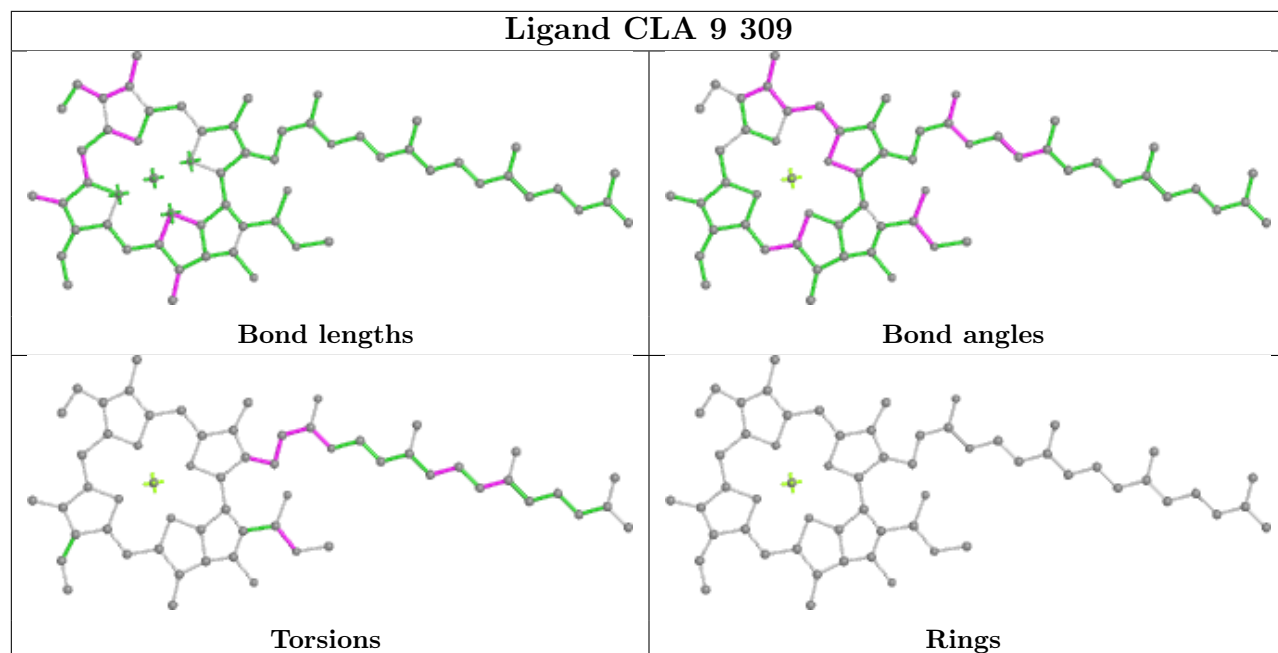


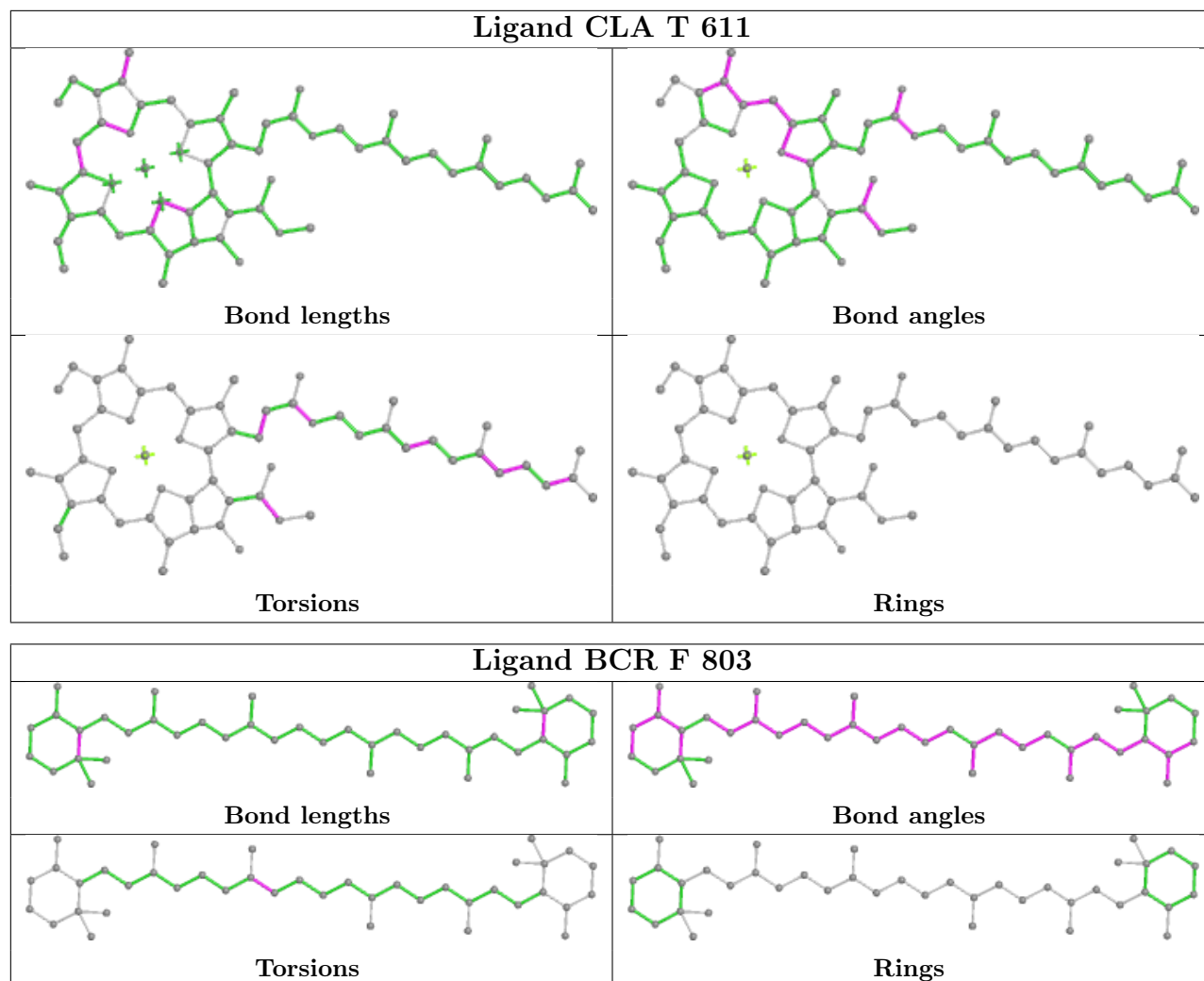


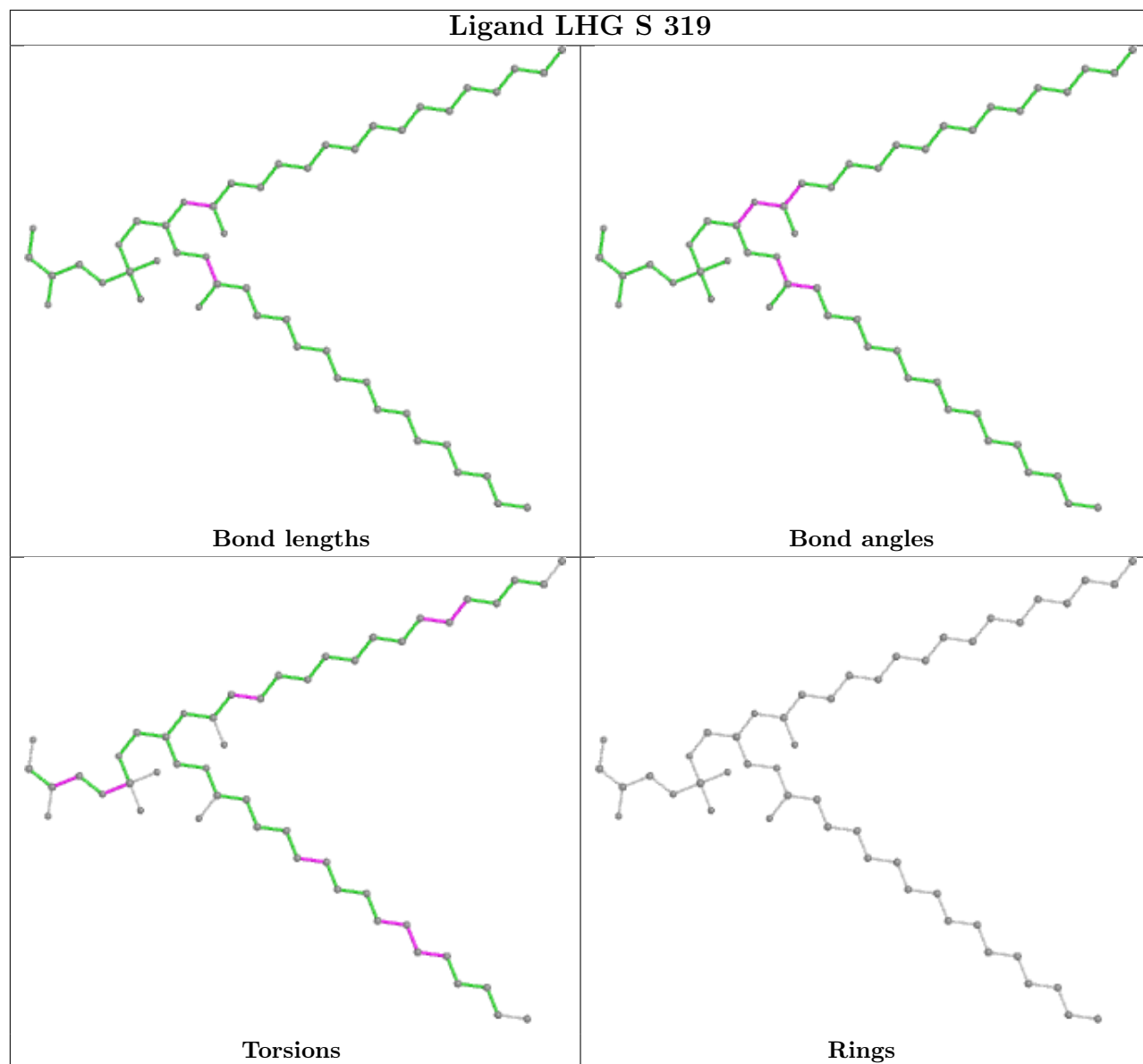


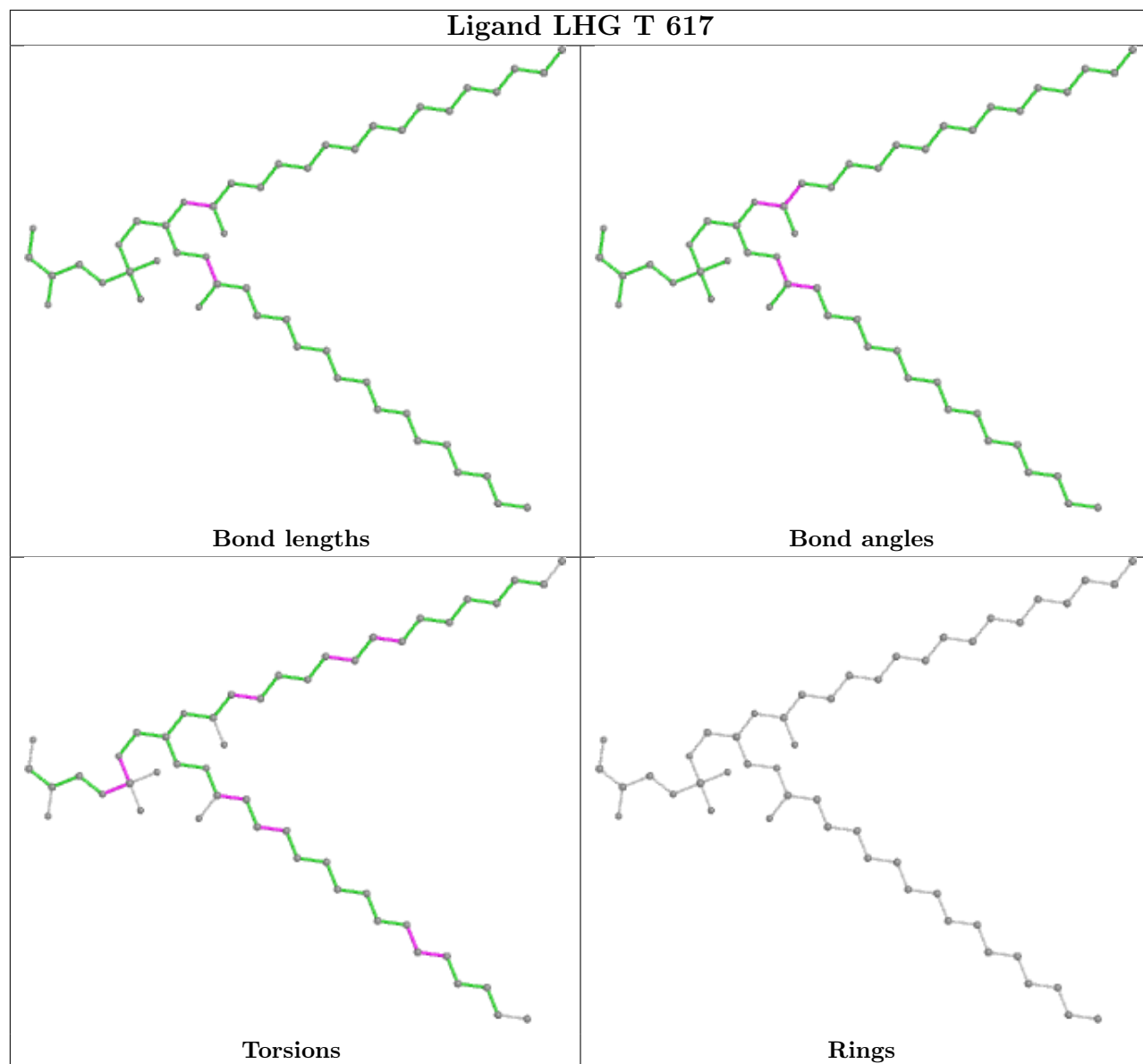


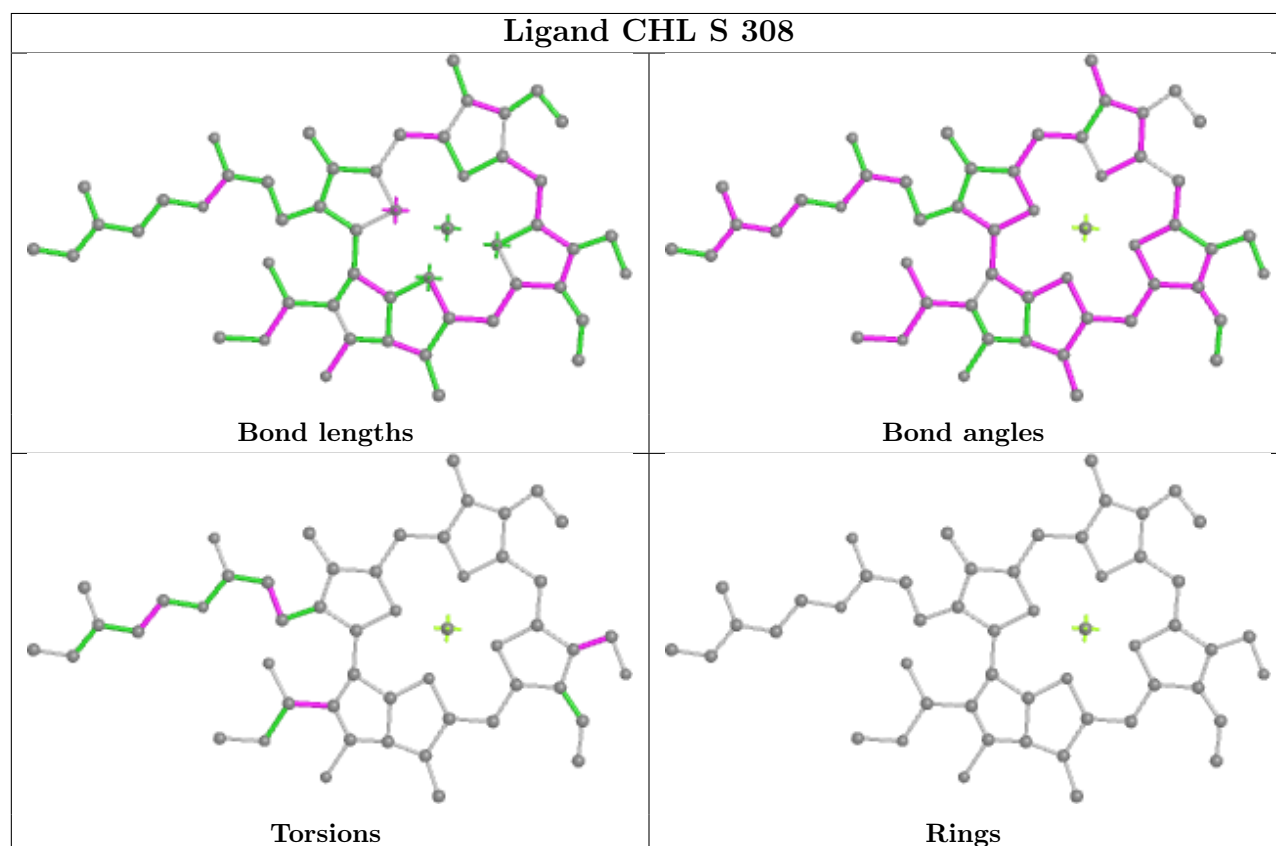
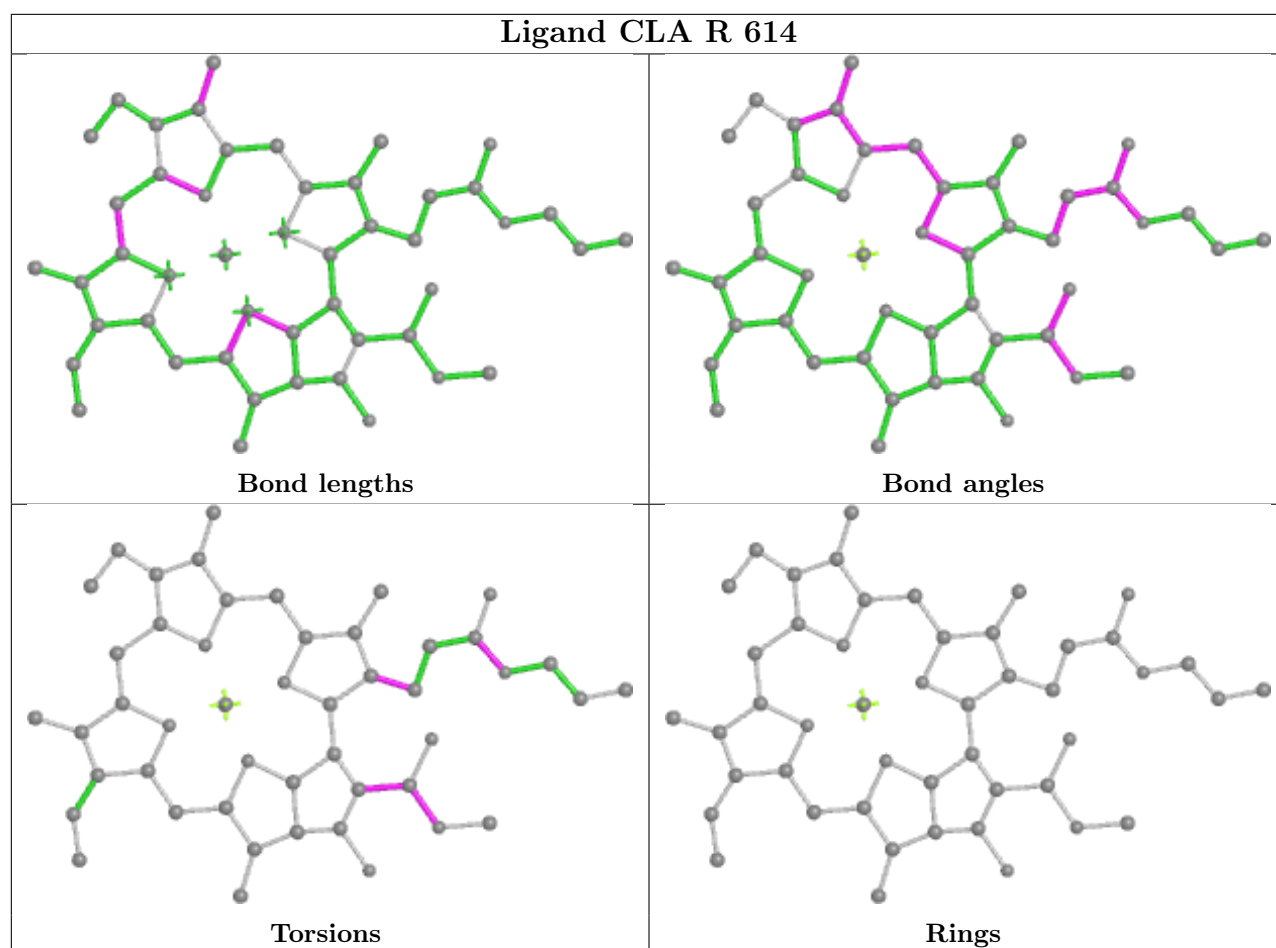


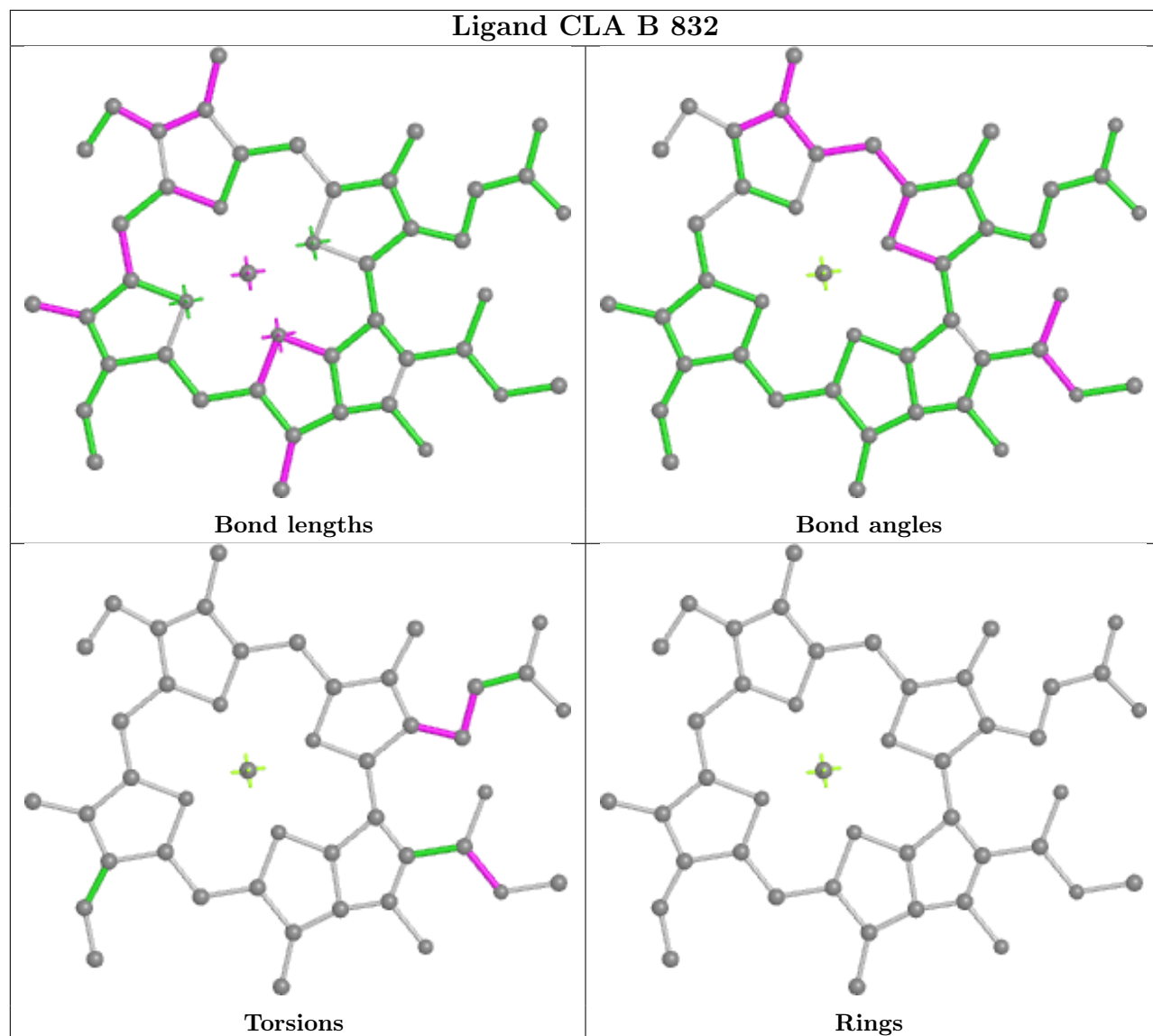




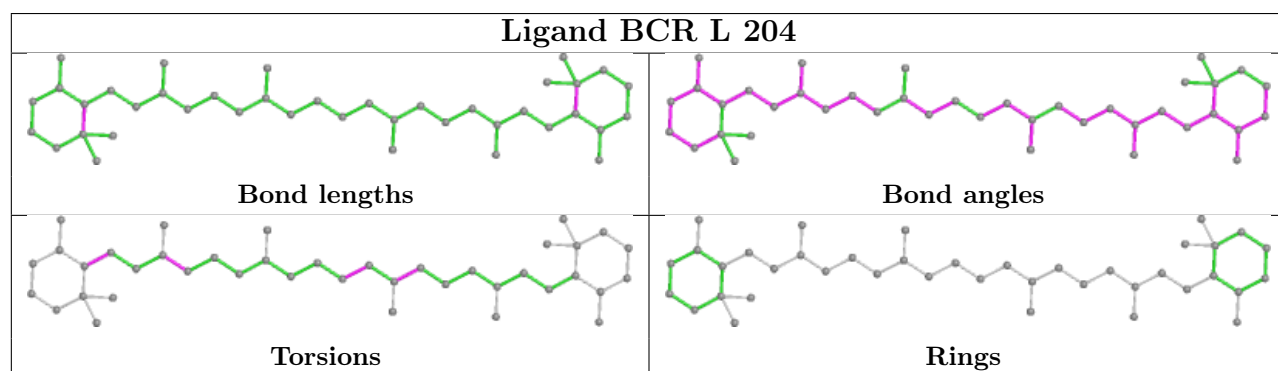
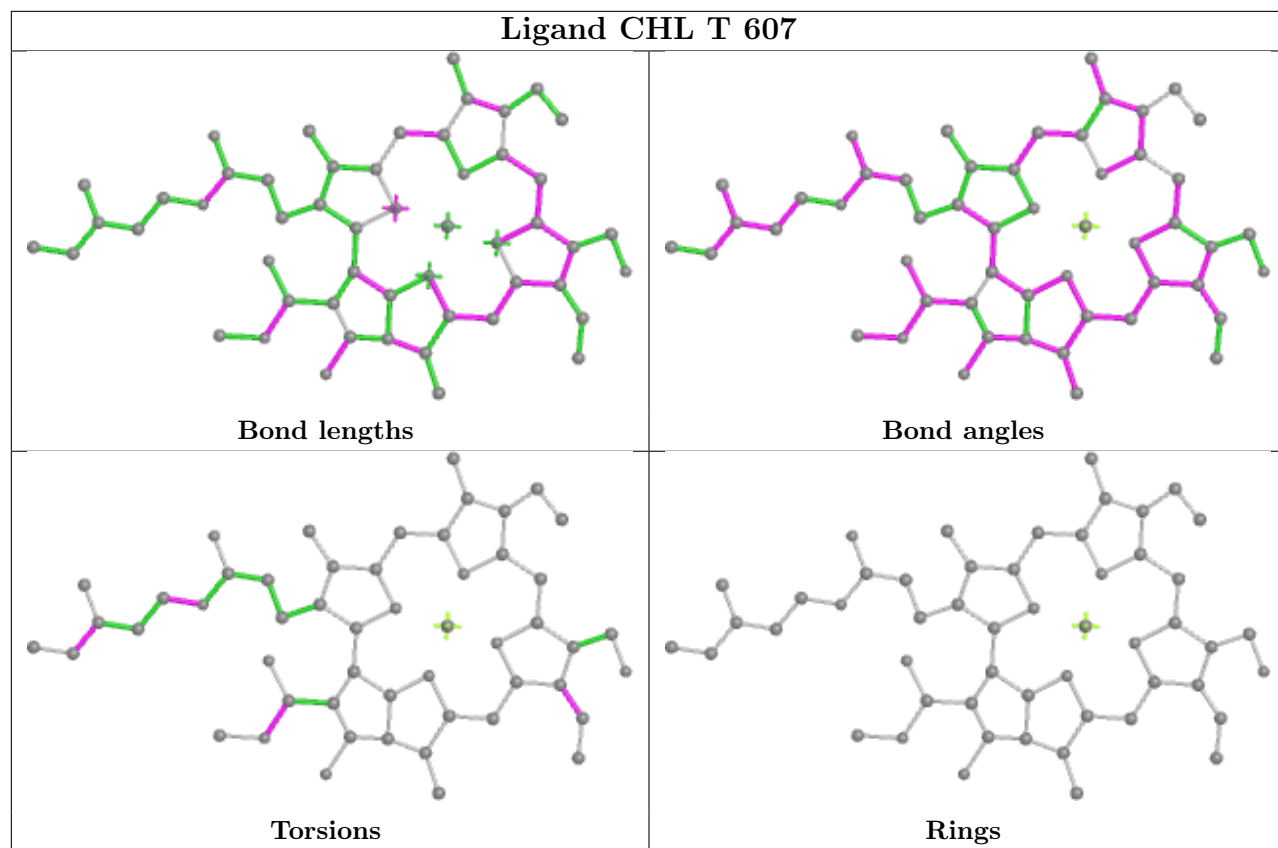


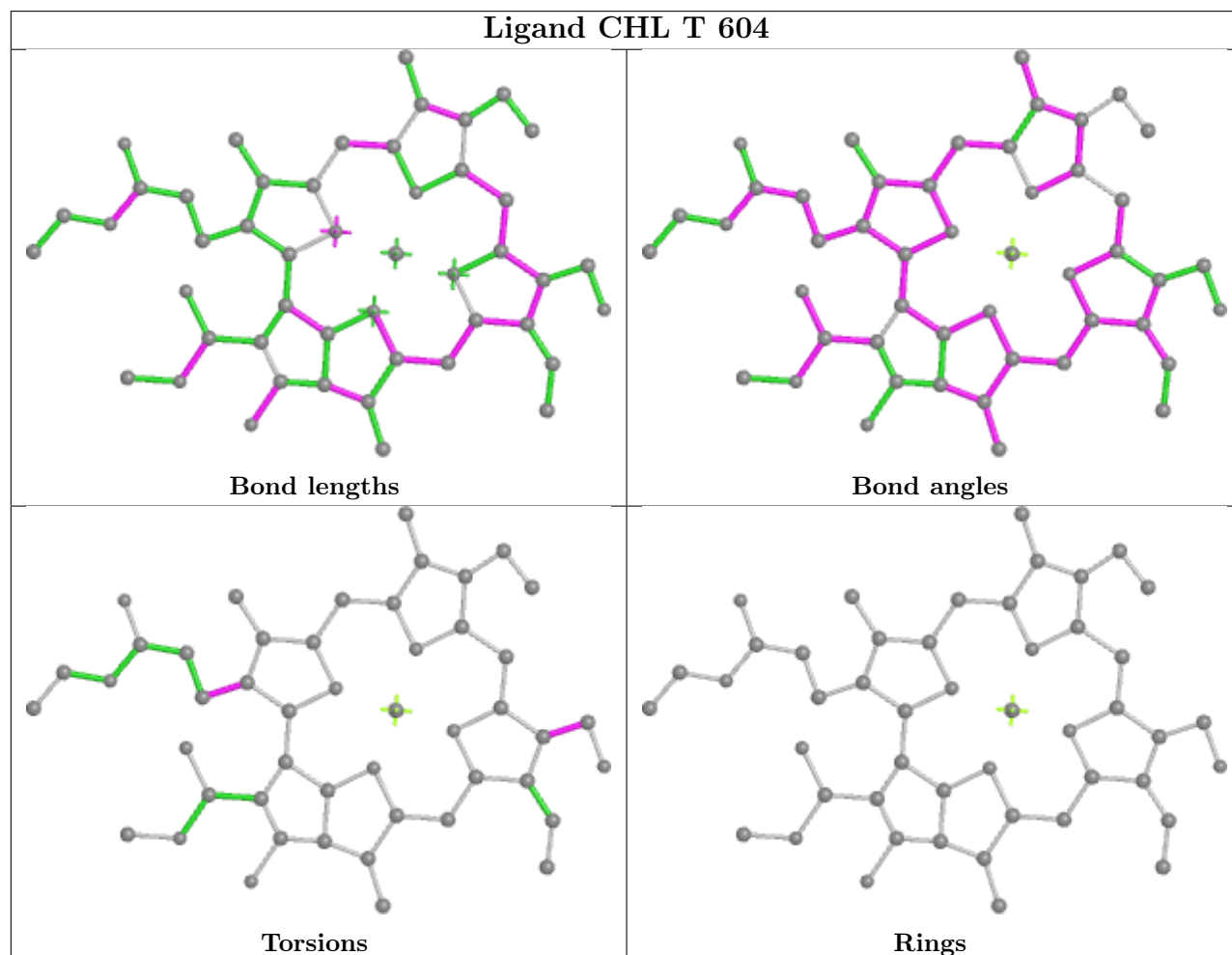
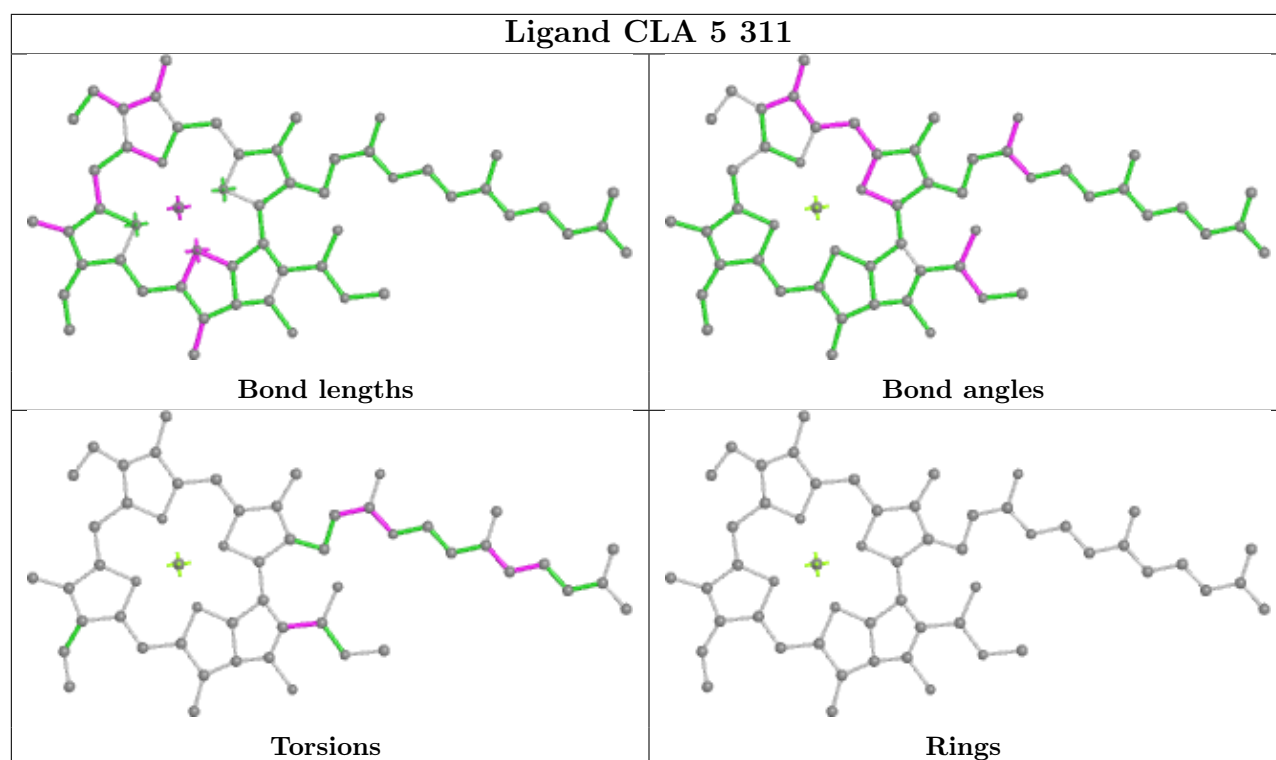


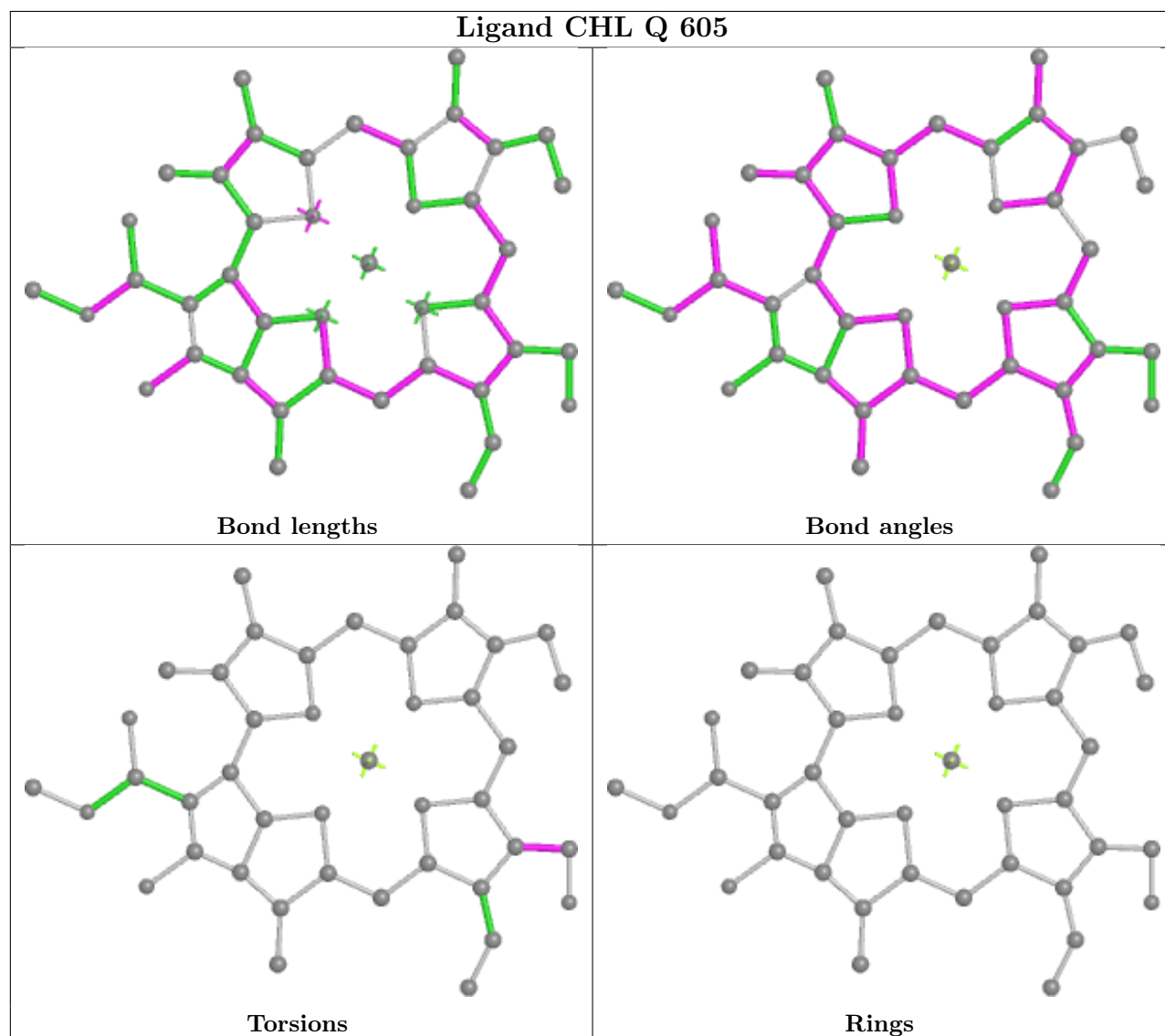
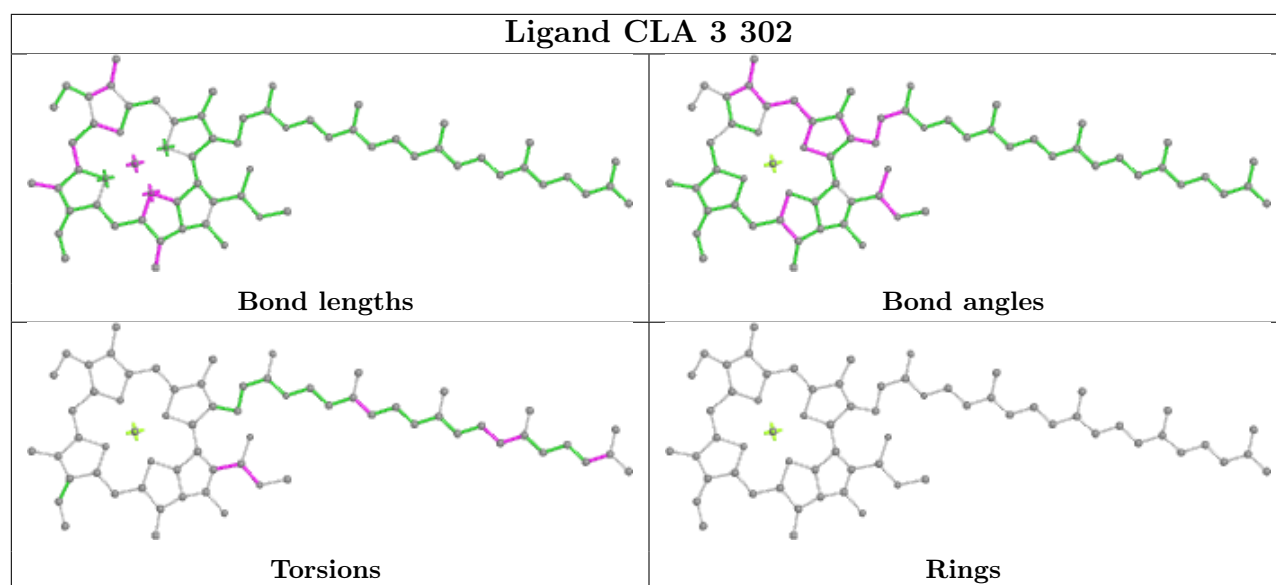


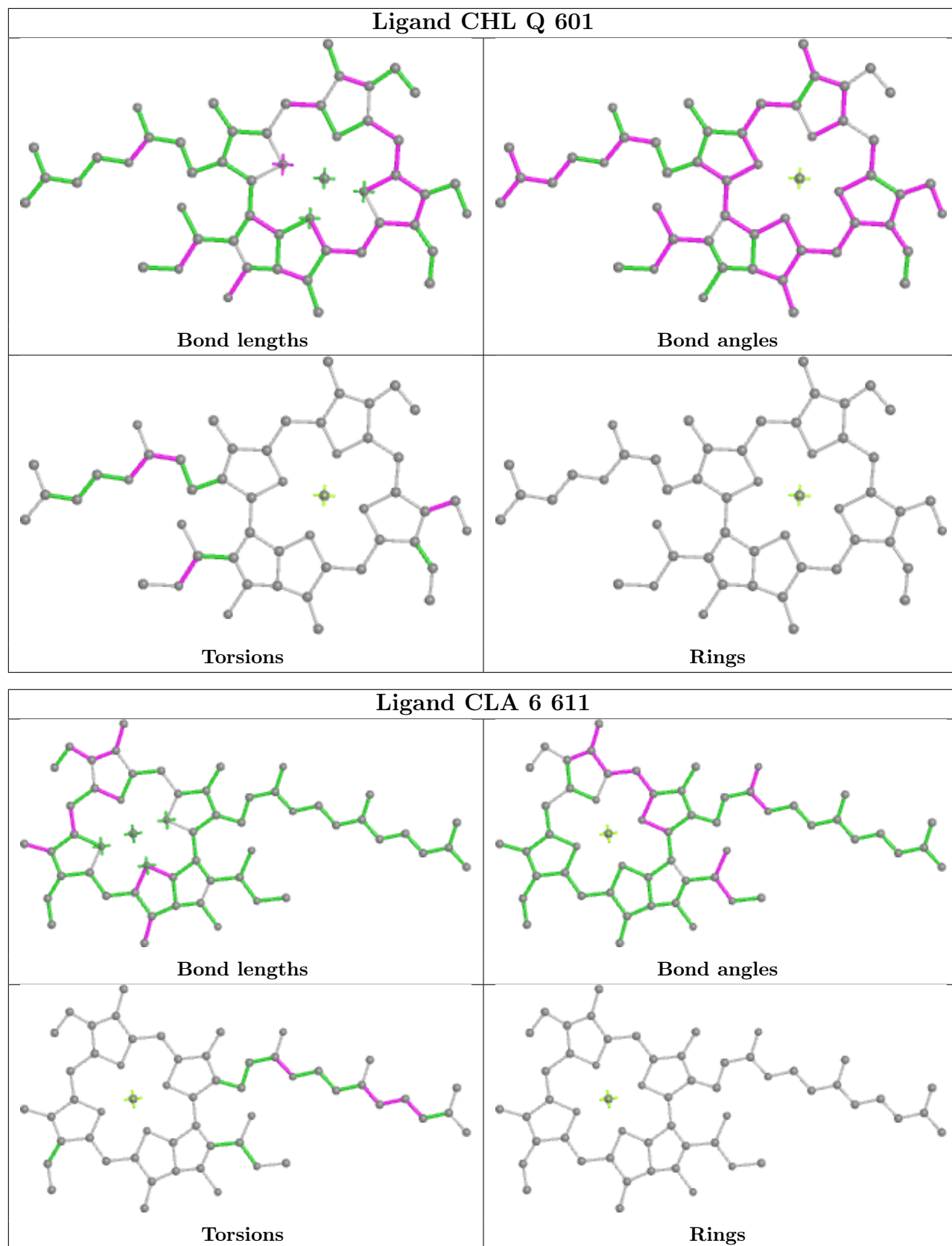


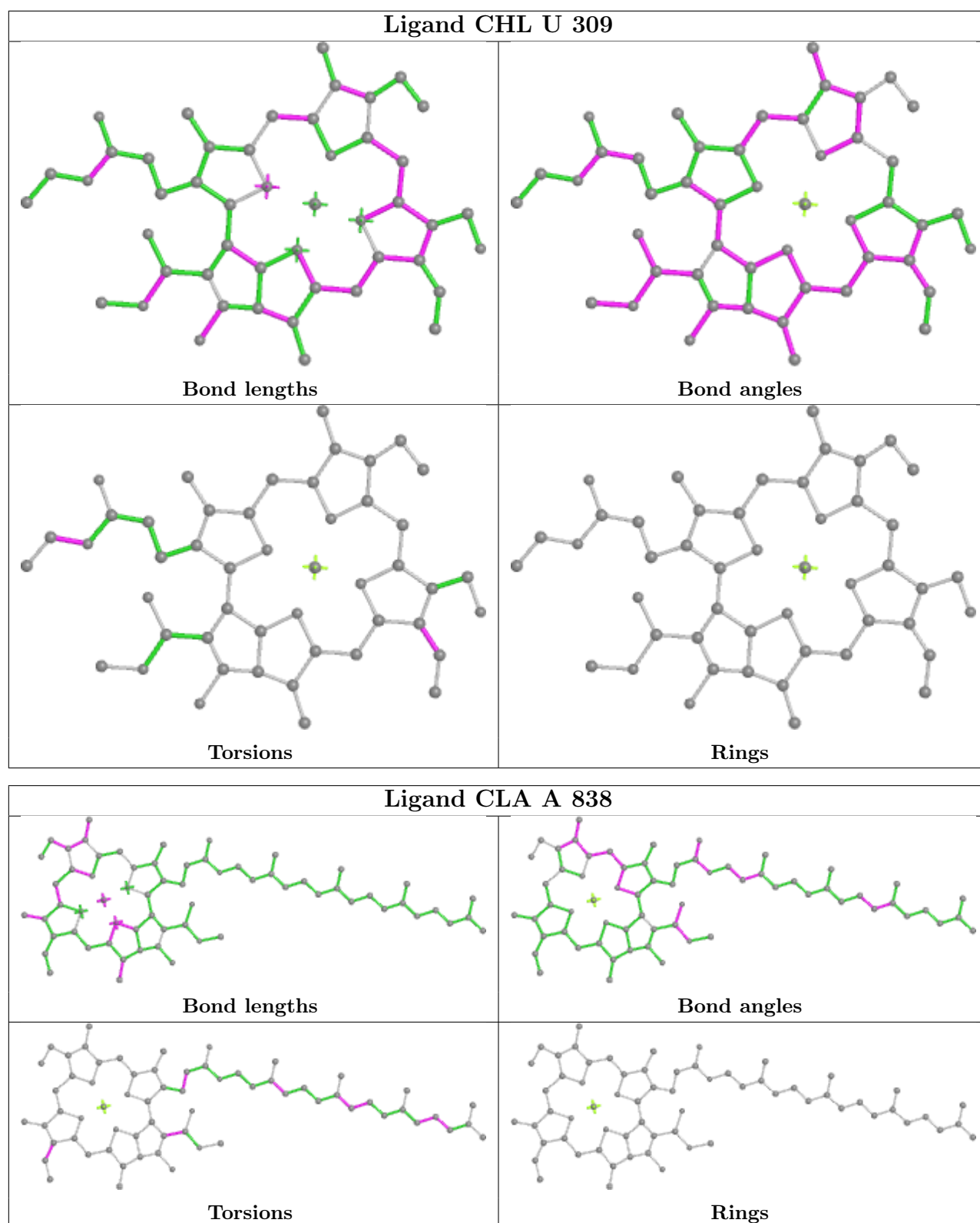












## 5.7 Other polymers [\(i\)](#)

There are no such residues in this entry.

## 5.8 Polymer linkage issues

There are no chain breaks in this entry.

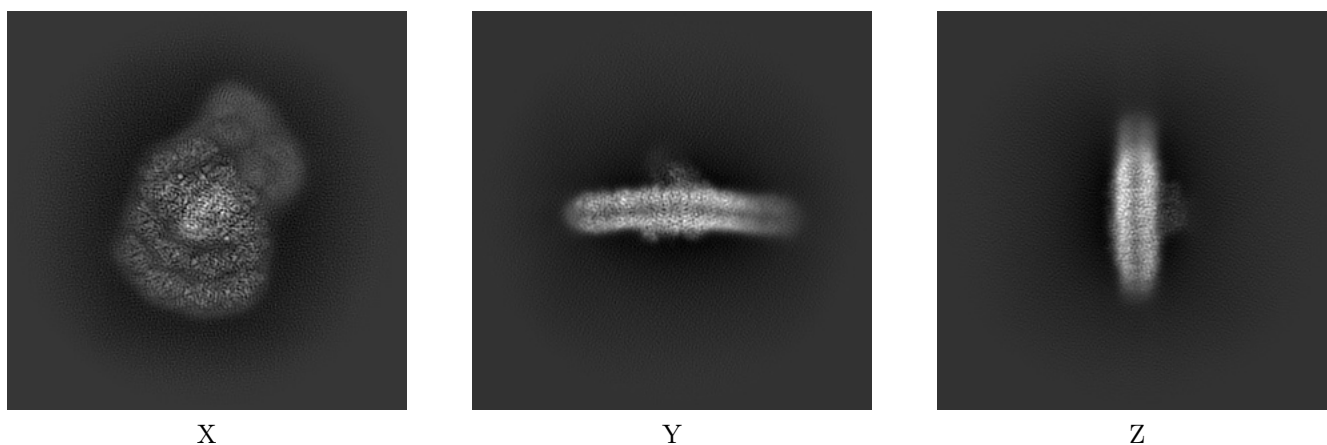
## 6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-30536. These allow visual inspection of the internal detail of the map and identification of artifacts.

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

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

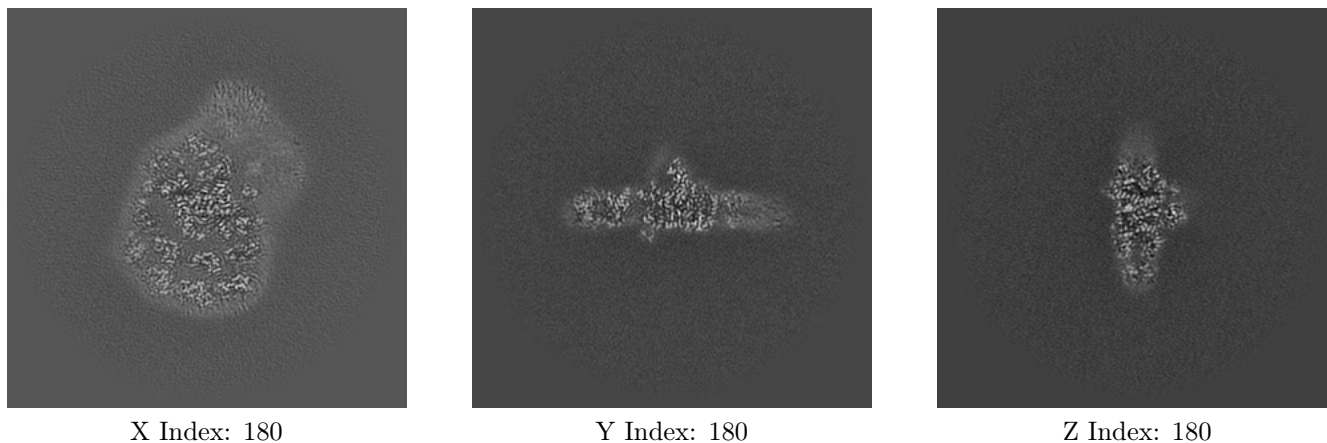
#### 6.1.1 Primary map



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

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

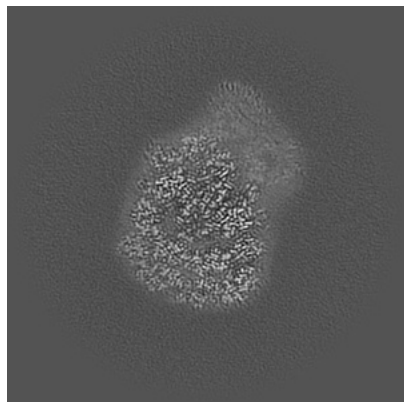
#### 6.2.1 Primary map



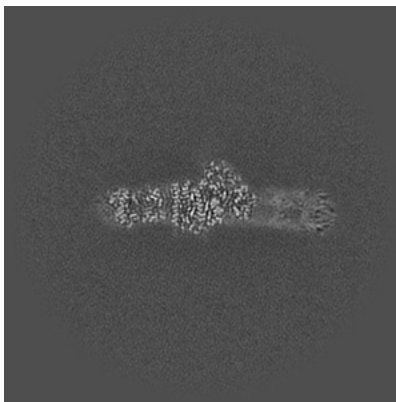
The images above show central slices of the map in three orthogonal directions.

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

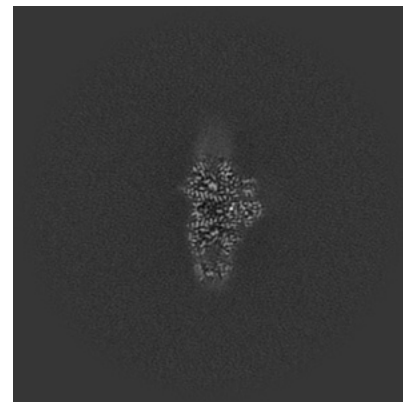
### 6.3.1 Primary map



X Index: 187



Y Index: 198

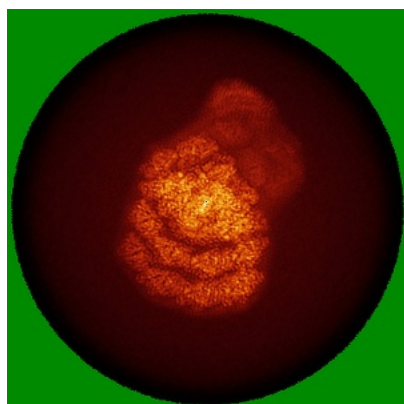


Z Index: 182

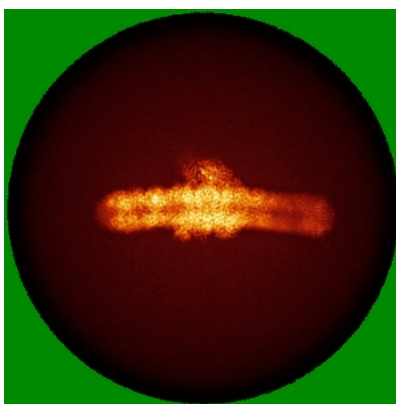
The images above show the largest variance slices of the map in three orthogonal directions.

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

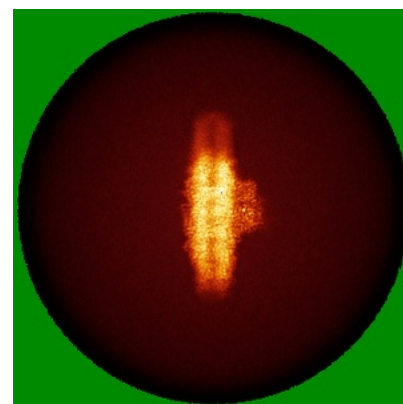
### 6.4.1 Primary map



X



Y



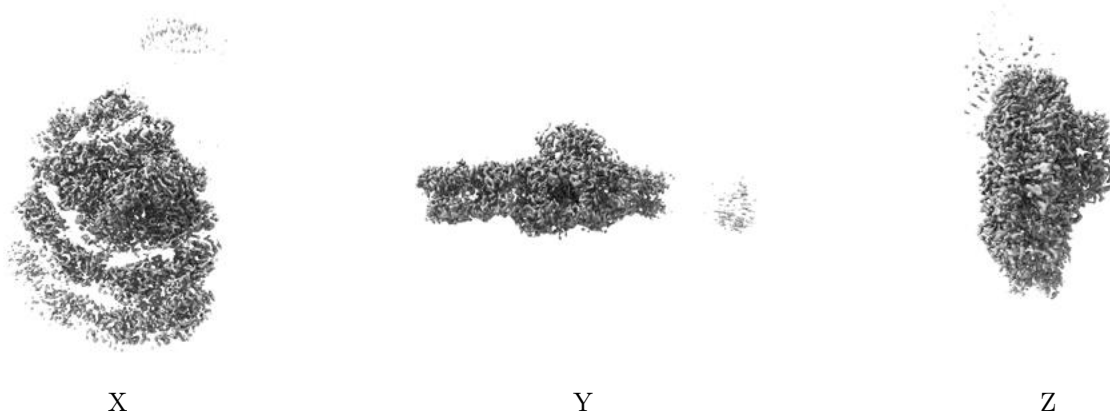
Z

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



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

### 6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 1.0. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

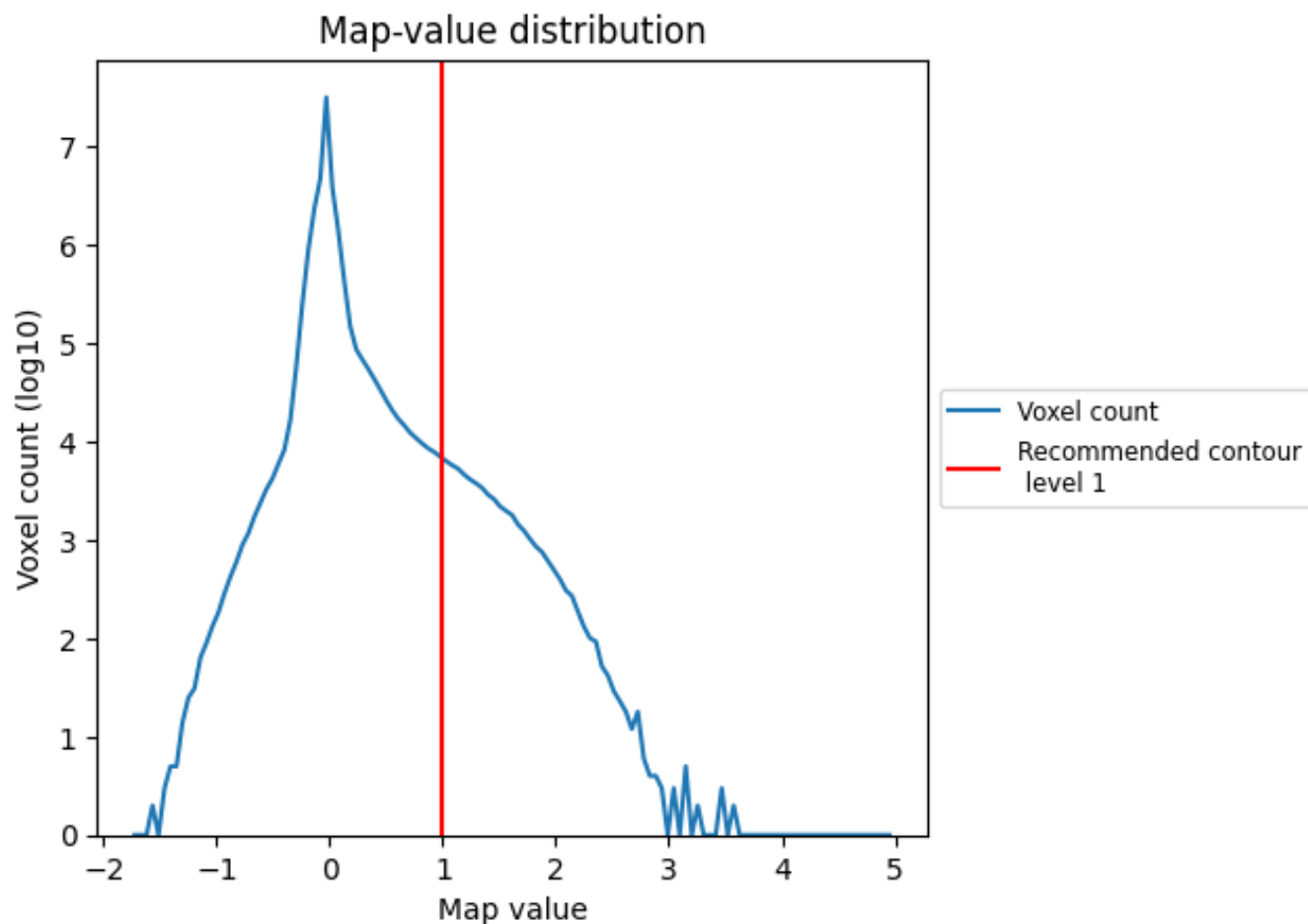
## 6.6 Mask visualisation [i](#)

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

## 7 Map analysis [i](#)

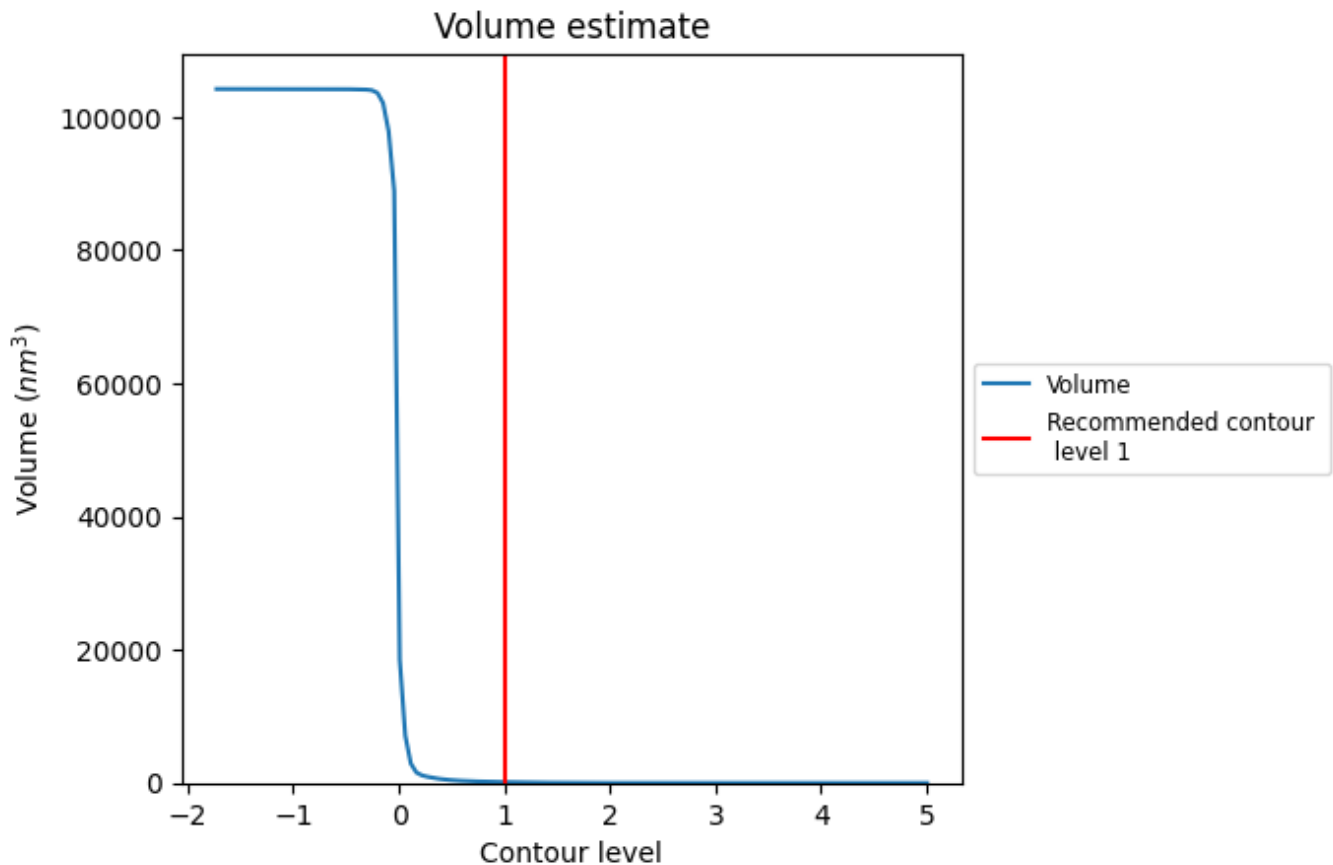
This section contains the results of statistical analysis of the map.

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



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

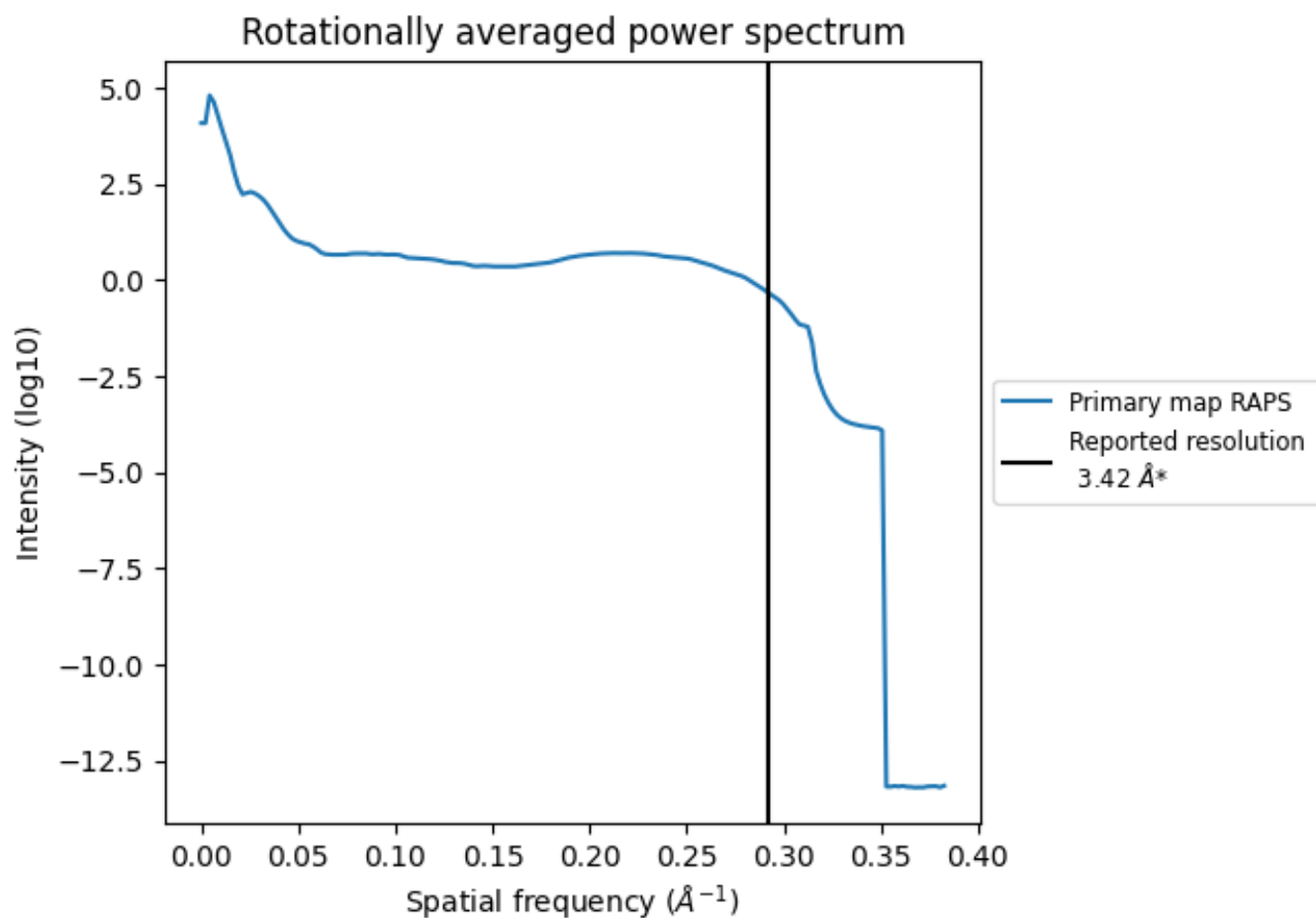
## 7.2 Volume estimate [i](#)



The volume at the recommended contour level is 128  $\text{nm}^3$ ; this corresponds to an approximate mass of 115 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  $0.292 \text{\AA}^{-1}$

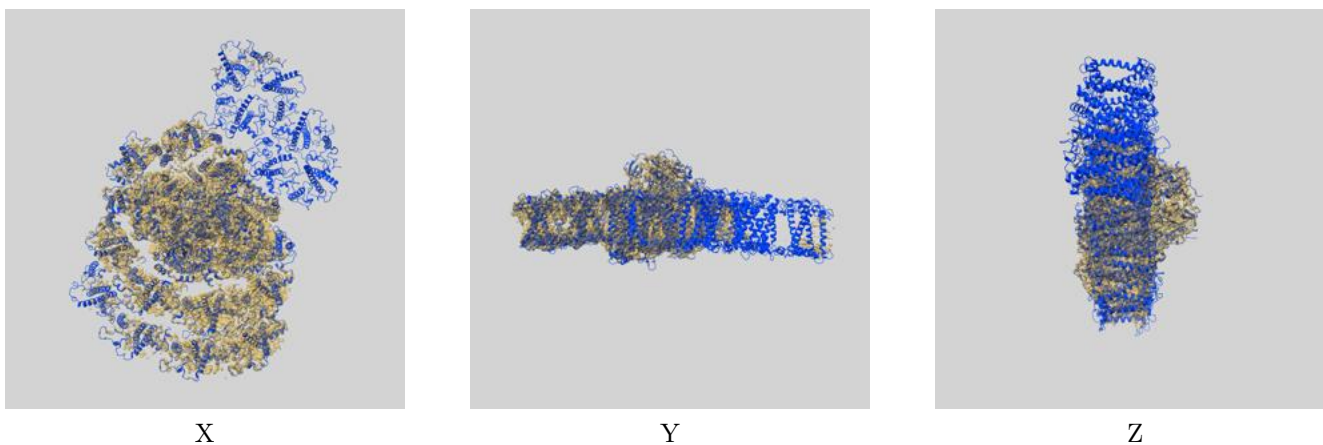
## 8 Fourier-Shell correlation

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

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

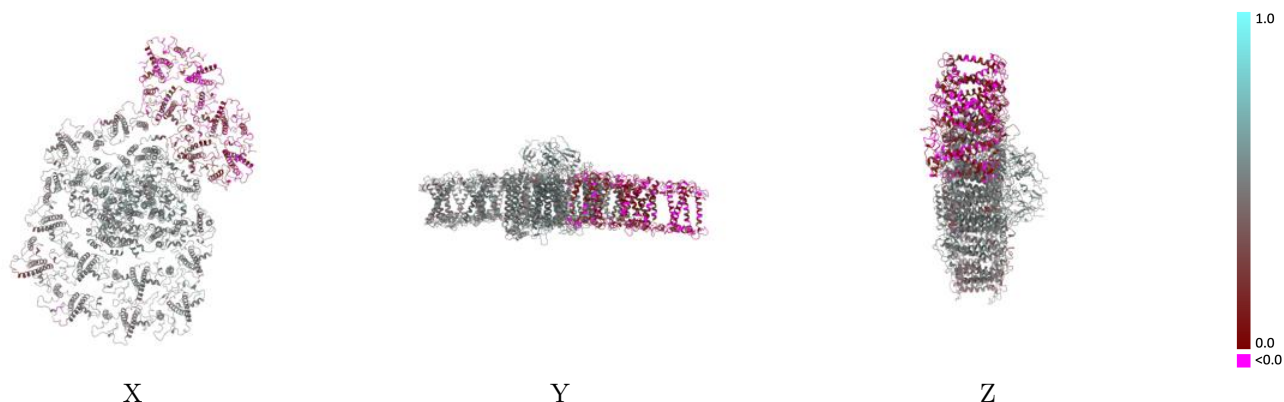
This section contains information regarding the fit between EMDB map EMD-30536 and PDB model 7D0J. Per-residue inclusion information can be found in section 3 on page 44.

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



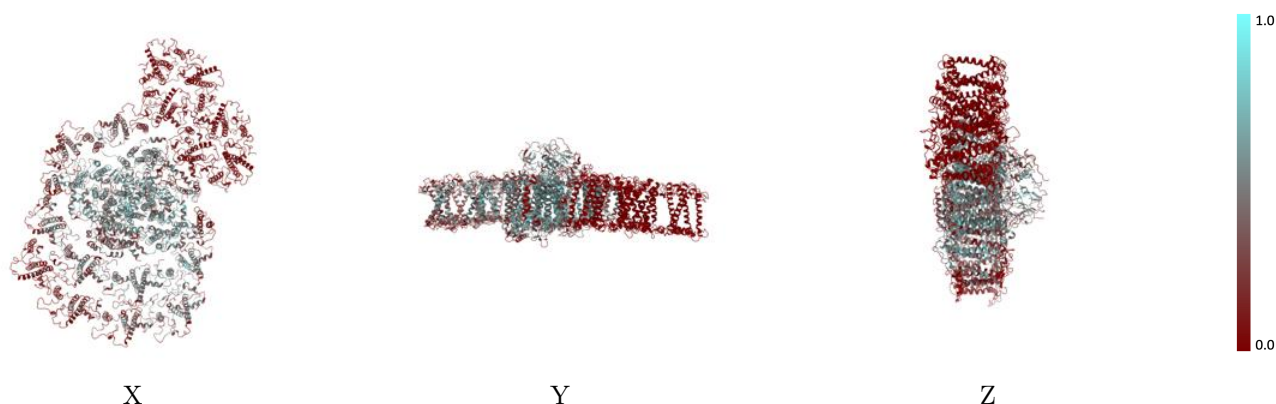
The images above show the 3D surface view of the map at the recommended contour level 1.0 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



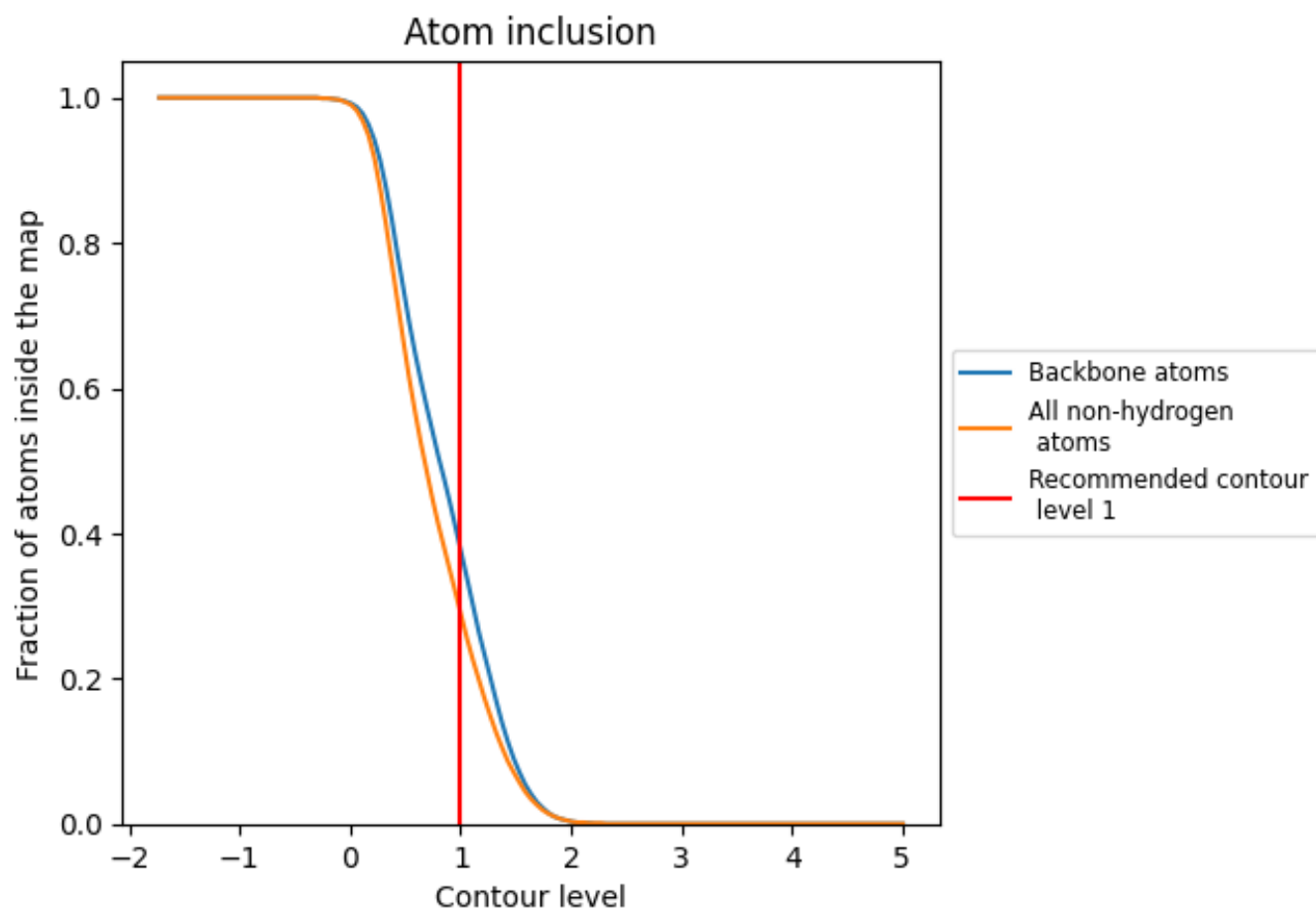
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (1).

## 9.4 Atom inclusion [i](#)































































At the recommended contour level, 38% of all backbone atoms, 29% 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 (1) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.2900	 0.4070
1	 0.3150	 0.4760
2	 0.2700	 0.4450
3	 0.4270	 0.5110
4	 0.1240	 0.4380
5	 0.3910	 0.4980
6	 0.2670	 0.4690
7	 0.4370	 0.5110
8	 0.3670	 0.4930
9	 0.2290	 0.4440
A	 0.5310	 0.5300
B	 0.5200	 0.5290
C	 0.5710	 0.5210
D	 0.3740	 0.5140
E	 0.3710	 0.5020
F	 0.2700	 0.4750
G	 0.1380	 0.4410
H	 0.3030	 0.4750
I	 0.4730	 0.5110
J	 0.2900	 0.5190
K	 0.1580	 0.4560
L	 0.4360	 0.5030
O	 0.3060	 0.4670
P	 0.0000	 0.1620
Q	 0.0020	 0.0510
R	 0.0050	 0.0630
S	 0.0030	 0.2360
T	 0.0000	 0.1130
U	 0.0000	 0.1020
a	 0.0570	 0.3750

