



Full wwPDB EM Validation Report ⓘ

May 22, 2024 – 06:40 PM JST

PDB ID : 8WMV
EMDB ID : EMD-37659
Title : The structure of PSI-14CAC complex at stationary growth phase
Authors : Zhang, S.M.; Si, L.; Li, M.
Deposited on : 2023-10-04
Resolution : 2.94 Å(reported)

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

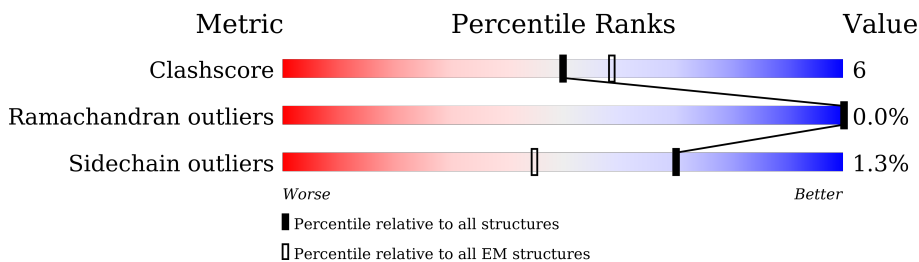
EMDB validation analysis : 0.0.1.dev92
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.36.2

1 Overall quality at a glance

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

The reported resolution of this entry is 2.94 Å.

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



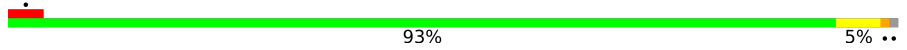

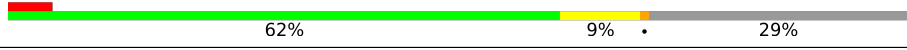



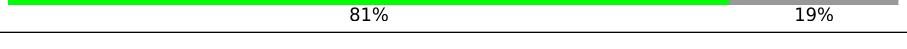
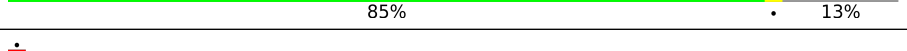
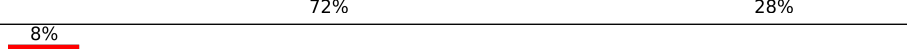
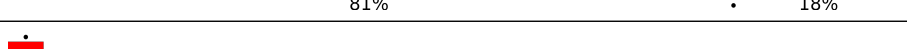
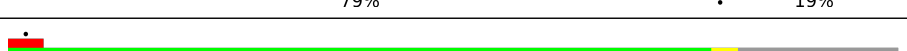



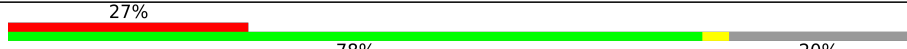





Metric	Whole archive (#Entries)	EM structures (#Entries)
Clashscore	158937	4297
Ramachandran outliers	154571	4023
Sidechain outliers	154315	3826

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

Mol	Chain	Length	Quality of chain
1	A	752	
2	B	734	
3	C	81	
4	D	141	
5	E	64	
6	F	188	
7	I	36	
8	J	42	

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
9	L	153	 93% 5% ..
10	M	30	 87% 10% .
11	O	146	 62% 9% . 29%
12	K	87	 74% 6% 21%
13	s	269	 57% 43%
14	c	216	 78% 21%
15	a	216	 81% 19%
16	b	223	 85% . 13%
17	h	225	 72% 28%
18	f	212	 81% . 18%
18	j	212	 79% . 19%
18	m	212	 79% . 18%
19	e	203	 83% 17%
20	l	238	 74% 26%
21	k	241	 65% . 34%
22	i	218	 78% . 20%
23	d	213	 59% . 39%
24	g	255	 84% . 14%
25	R	129	 65% 5% 30%
26	n	219	 80% . 17%

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
27	CLA	A	801	X	-	-	-
27	CLA	A	802	X	-	-	-
27	CLA	A	803	X	-	-	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
27	CLA	A	804	X	-	-	-
27	CLA	A	805	X	-	-	-
27	CLA	A	807	X	-	-	-
27	CLA	A	808	X	-	-	-
27	CLA	A	809	X	-	-	-
27	CLA	A	810	X	-	-	-
27	CLA	A	812	X	-	-	-
27	CLA	A	813	X	-	-	-
27	CLA	A	814	X	-	-	-
27	CLA	A	815	X	-	-	-
27	CLA	A	816	X	-	-	-
27	CLA	A	817	X	-	-	-
27	CLA	A	818	X	-	-	-
27	CLA	A	819	X	-	-	-
27	CLA	A	820	X	-	-	-
27	CLA	A	822	X	-	-	-
27	CLA	A	823	X	-	-	-
27	CLA	A	824	X	-	-	-
27	CLA	A	826	X	-	-	-
27	CLA	A	827	X	-	-	-
27	CLA	A	828	X	-	-	-
27	CLA	A	829	X	-	-	-
27	CLA	A	831	X	-	-	-
27	CLA	A	832	X	-	-	-
27	CLA	A	833	X	-	-	-
27	CLA	A	834	X	-	-	-
27	CLA	A	835	X	-	-	-
27	CLA	A	837	X	-	-	-
27	CLA	A	838	X	-	-	-
27	CLA	A	839	X	-	-	-
27	CLA	A	841	X	-	-	-
27	CLA	A	842	X	-	-	-
27	CLA	A	852	X	-	-	-
27	CLA	A	853	X	-	-	-
27	CLA	A	855	X	-	-	-
27	CLA	A	856	X	-	-	-
27	CLA	B	801	X	-	-	-
27	CLA	B	802	X	-	-	-
27	CLA	B	803	X	-	-	-
27	CLA	B	804	X	-	-	-
27	CLA	B	805	X	-	-	-
27	CLA	B	806	X	-	-	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
27	CLA	B	807	X	-	-	-
27	CLA	B	808	X	-	-	-
27	CLA	B	809	X	-	-	-
27	CLA	B	810	X	-	-	-
27	CLA	B	811	X	-	-	-
27	CLA	B	812	X	-	-	-
27	CLA	B	813	X	-	-	-
27	CLA	B	814	X	-	-	-
27	CLA	B	816	X	-	-	-
27	CLA	B	818	X	-	-	-
27	CLA	B	819	X	-	-	-
27	CLA	B	820	X	-	-	-
27	CLA	B	821	X	-	-	-
27	CLA	B	822	X	-	-	-
27	CLA	B	823	X	-	-	-
27	CLA	B	824	X	-	-	-
27	CLA	B	825	X	-	-	-
27	CLA	B	826	X	-	-	-
27	CLA	B	827	X	-	-	-
27	CLA	B	828	X	-	-	-
27	CLA	B	829	X	-	-	-
27	CLA	B	830	X	-	-	-
27	CLA	B	831	X	-	-	-
27	CLA	B	832	X	-	-	-
27	CLA	B	833	X	-	-	-
27	CLA	B	834	X	-	-	-
27	CLA	B	835	X	-	-	-
27	CLA	B	836	X	-	-	-
27	CLA	B	837	X	-	-	-
27	CLA	B	838	X	-	-	-
27	CLA	B	839	X	-	-	-
27	CLA	B	840	X	-	-	-
27	CLA	F	201	X	-	-	-
27	CLA	F	202	X	-	-	-
27	CLA	F	203	X	-	-	-
27	CLA	J	103	X	-	-	-
27	CLA	J	105	X	-	-	-
27	CLA	K	101	X	-	-	-
27	CLA	K	102	X	-	-	-
27	CLA	L	202	X	-	-	-
27	CLA	L	204	X	-	-	-
27	CLA	L	206	X	-	-	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
27	CLA	O	202	X	-	-	-
27	CLA	O	206	X	-	-	-
27	CLA	R	203	X	-	-	-
27	CLA	a	303	X	-	-	-
27	CLA	a	304	X	-	-	-
27	CLA	a	305	X	-	-	-
27	CLA	a	306	X	-	-	-
27	CLA	a	308	X	-	-	-
27	CLA	a	309	X	-	-	-
27	CLA	a	310	X	-	-	-
27	CLA	a	311	X	-	-	-
27	CLA	a	313	X	-	-	-
27	CLA	b	601	X	-	-	-
27	CLA	b	602	X	-	-	-
27	CLA	b	603	X	-	-	-
27	CLA	b	605	X	-	-	-
27	CLA	b	606	X	-	-	-
27	CLA	b	607	X	-	-	-
27	CLA	b	608	X	-	-	-
27	CLA	b	610	X	-	-	-
27	CLA	b	611	X	-	-	-
27	CLA	c	601	X	-	-	-
27	CLA	c	602	X	-	-	-
27	CLA	c	603	X	-	-	-
27	CLA	c	605	X	-	-	-
27	CLA	c	607	X	-	-	-
27	CLA	c	608	X	-	-	-
27	CLA	c	609	X	-	-	-
27	CLA	c	612	X	-	-	-
27	CLA	d	301	X	-	-	-
27	CLA	d	302	X	-	-	-
27	CLA	d	303	X	-	-	-
27	CLA	d	305	X	-	-	-
27	CLA	d	306	X	-	-	-
27	CLA	d	308	X	-	-	-
27	CLA	e	601	X	-	-	-
27	CLA	e	602	X	-	-	-
27	CLA	e	603	X	-	-	-
27	CLA	e	606	X	-	-	-
27	CLA	e	607	X	-	-	-
27	CLA	e	608	X	-	-	-
27	CLA	e	610	X	-	-	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
27	CLA	f	601	X	-	-	-
27	CLA	f	602	X	-	-	-
27	CLA	f	603	X	-	-	-
27	CLA	f	604	X	-	-	-
27	CLA	f	607	X	-	-	-
27	CLA	f	608	X	-	-	-
27	CLA	f	609	X	-	-	-
27	CLA	f	610	X	-	-	-
27	CLA	f	612	X	-	-	-
27	CLA	g	302	X	-	-	-
27	CLA	g	303	X	-	-	-
27	CLA	g	304	X	-	-	-
27	CLA	g	305	X	-	-	-
27	CLA	g	306	X	-	-	-
27	CLA	g	308	X	-	-	-
27	CLA	g	309	X	-	-	-
27	CLA	g	310	X	-	-	-
27	CLA	g	311	X	-	-	-
27	CLA	g	322	X	-	-	-
27	CLA	h	301	X	-	-	-
27	CLA	h	302	X	-	-	-
27	CLA	h	303	X	-	-	-
27	CLA	h	304	X	-	-	-
27	CLA	h	305	X	-	-	-
27	CLA	h	306	X	-	-	-
27	CLA	h	307	X	-	-	-
27	CLA	h	308	X	-	-	-
27	CLA	h	313	X	-	-	-
27	CLA	i	302	X	-	-	-
27	CLA	i	303	X	-	-	-
27	CLA	i	304	X	-	-	-
27	CLA	i	305	X	-	-	-
27	CLA	i	306	X	-	-	-
27	CLA	i	307	X	-	-	-
27	CLA	i	308	X	-	-	-
27	CLA	i	309	X	-	-	-
27	CLA	i	311	X	-	-	-
27	CLA	i	312	X	-	-	-
27	CLA	j	601	X	-	-	-
27	CLA	j	602	X	-	-	-
27	CLA	j	603	X	-	-	-
27	CLA	j	604	X	-	-	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
27	CLA	j	607	X	-	-	-
27	CLA	j	608	X	-	-	-
27	CLA	j	609	X	-	-	-
27	CLA	j	611	X	-	-	-
27	CLA	j	612	X	-	-	-
27	CLA	k	301	X	-	-	-
27	CLA	k	302	X	-	-	-
27	CLA	k	303	X	-	-	-
27	CLA	k	304	X	-	-	-
27	CLA	k	305	X	-	-	-
27	CLA	k	306	X	-	-	-
27	CLA	k	307	X	-	-	-
27	CLA	k	308	X	-	-	-
27	CLA	k	309	X	-	-	-
27	CLA	k	313	X	-	-	-
27	CLA	l	303	X	-	-	-
27	CLA	l	304	X	-	-	-
27	CLA	l	305	X	-	-	-
27	CLA	l	307	X	-	-	-
27	CLA	l	308	X	-	-	-
27	CLA	l	309	X	-	-	-
27	CLA	l	310	X	-	-	-
27	CLA	l	312	X	-	-	-
27	CLA	m	601	X	-	-	-
27	CLA	m	602	X	-	-	-
27	CLA	m	603	X	-	-	-
27	CLA	m	605	X	-	-	-
27	CLA	m	606	X	-	-	-
27	CLA	m	607	X	-	-	-
27	CLA	m	608	X	-	-	-
27	CLA	m	609	X	-	-	-
27	CLA	m	611	X	-	-	-
27	CLA	m	612	X	-	-	-
27	CLA	n	601	X	-	-	-
27	CLA	n	602	X	-	-	-
27	CLA	n	603	X	-	-	-
27	CLA	n	604	X	-	-	-
27	CLA	n	605	X	-	-	-
27	CLA	n	606	X	-	-	-
27	CLA	n	607	X	-	-	-
27	CLA	n	608	X	-	-	-
27	CLA	n	609	X	-	-	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
27	CLA	n	610	X	-	-	-
27	CLA	n	613	X	-	-	-
27	CLA	s	202	X	-	-	-
27	CLA	s	206	X	-	-	-
27	CLA	s	209	X	-	-	-
32	SF4	A	854	-	-	X	-

2 Entry composition [i](#)

There are 39 unique types of molecules in this entry. The entry contains 59342 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	742	5825	3802	994	1001	28	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	732	5826	3844	982	985	15	1	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	592	361	103	116	12	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	D	139	1083	692	186	202	3	0	0

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

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	E	60	485	309	84	92	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
6	F	161	1254	814	212	226	2	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
7	I	34	264	182	35	45	2	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
8	J	42	351	240	49	59	3	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
9	L	151	1146	753	182	208	3	0	0

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

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
10	M	30	232	155	38	38	1	0	0

- Molecule 11 is a protein called PsaO.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
11	O	104	773	515	117	138	3	0	0

- Molecule 12 is a protein called Photosystem I reaction center subunit PsaK.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
12	K	69	488	319	80	87	2	0	0

- Molecule 13 is a protein called chain s.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
13	s	154	1140	719	195	217	9	0	0

- Molecule 14 is a protein called CAC-c.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
14	c	170	1357	897	221	236	3	0	0

- Molecule 15 is a protein called CAC-a.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
15	a	175	1361	889	217	245	10	0	0

- Molecule 16 is a protein called CAC-b.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
16	b	194	1439	916	251	258	14	0	0

- Molecule 17 is a protein called CAC-h.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
17	h	162	1200	778	202	214	6	0	0

- Molecule 18 is a protein called CAC-m, CAC-f.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
18	m	174	1309	846	214	241	8	0	0
18	f	174	1302	842	212	240	8	0	0
18	j	172	1293	834	212	239	8	0	0

- Molecule 19 is a protein called CAC-e.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
19	e	169	1286	843	207	228	8	0	0

- Molecule 20 is a protein called CAC-l.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
20	l	175	1344	869	230	238	7	0	0

- Molecule 21 is a protein called CAC-k.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
21	k	160	1196	774	199	213	10	0	0

- Molecule 22 is a protein called CAC-i.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
22	i	175	1324	849	227	237	11	0	0

- Molecule 23 is a protein called CAC-d.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
23	d	129	974	624	169	171	10	0	0

- Molecule 24 is a protein called CAC-g.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
24	g	219	1630	1060	267	292	11	0	0

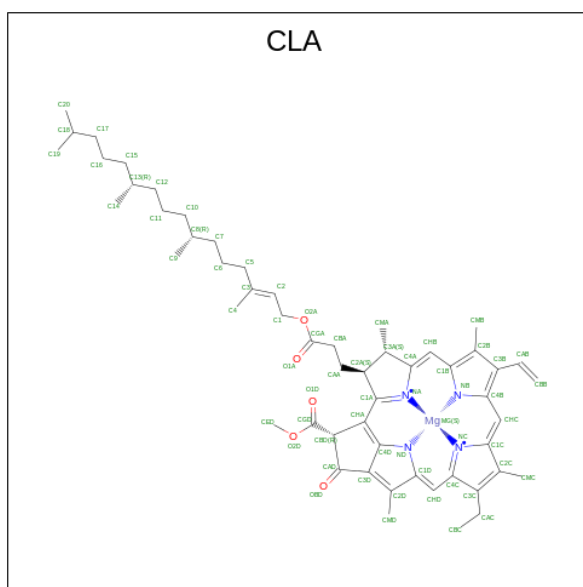
- Molecule 25 is a protein called PsaR.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
25	R	90	664	434	105	124	1	0	0

- Molecule 26 is a protein called CAC-n.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
26	n	181	1350	870	228	242	10	0	0

- Molecule 27 is CHLOROPHYLL A (three-letter code: CLA) (formula: C₅₅H₇₂MgN₄O₅).



Mol	Chain	Residues	Atoms				AltConf	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
27	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
27	A	1	45	35	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	45	35	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	49	39	1	4	5	0
27	A	1	51	41	1	4	5	0
27	A	1	55	45	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	62	52	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	50	40	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	50	40	1	4	5	0
27	A	1	51	41	1	4	5	0
27	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	
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	52	42	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	65	55	1	4	5	0
27	A	1	41	33	1	4	3	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	54	44	1	4	5	0
27	B	1	55	45	1	4	5	0
27	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	
27	B	1	60	50	1	4	5	0
27	B	1	59	49	1	4	5	0
27	B	1	55	45	1	4	5	0
27	B	1	59	49	1	4	5	0
27	B	1	57	47	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	46	36	1	4	5	0
27	B	1	55	45	1	4	5	0
27	B	1	53	43	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	64	54	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	51	41	1	4	5	0
27	B	1	50	40	1	4	5	0
27	B	1	49	39	1	4	5	0
27	B	1	50	40	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	45	35	1	4	5	0
27	B	1	58	48	1	4	5	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
27	B	1	65	55	1	4	5	0
27	B	1	47	37	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	57	47	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	65	55	1	4	5	0
27	B	1	51	41	1	4	5	0
27	F	1	65	55	1	4	5	0
27	F	1	65	55	1	4	5	0
27	F	1	52	42	1	4	5	0
27	J	1	42	34	1	4	3	0
27	J	1	51	41	1	4	5	0
27	L	1	49	39	1	4	5	0
27	L	1	65	55	1	4	5	0
27	L	1	50	40	1	4	5	0
27	L	1	51	41	1	4	5	0
27	O	1	65	55	1	4	5	0
27	O	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	
27	K	1	51	41	1	4	5	0
27	K	1	42	34	1	4	3	0
27	s	1	65	55	1	4	5	0
27	s	1	65	55	1	4	5	0
27	s	1	65	55	1	4	5	0
27	s	1	51	41	1	4	5	0
27	s	1	51	41	1	4	5	0
27	c	1	51	41	1	4	5	0
27	c	1	50	40	1	4	5	0
27	c	1	51	41	1	4	5	0
27	c	1	65	55	1	4	5	0
27	c	1	51	41	1	4	5	0
27	c	1	52	42	1	4	5	0
27	c	1	46	36	1	4	5	0
27	c	1	65	55	1	4	5	0
27	c	1	45	35	1	4	5	0
27	c	1	45	35	1	4	5	0
27	c	1	65	55	1	4	5	0
27	a	1	52	42	1	4	5	0
27	a	1	50	40	1	4	5	0
27	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	
27	a	1	65	55	1	4	5	0
27	a	1	45	35	1	4	5	0
27	a	1	65	55	1	4	5	0
27	a	1	65	55	1	4	5	0
27	a	1	48	38	1	4	5	0
27	a	1	65	55	1	4	5	0
27	a	1	65	55	1	4	5	0
27	a	1	48	38	1	4	5	0
27	b	1	51	41	1	4	5	0
27	b	1	55	45	1	4	5	0
27	b	1	65	55	1	4	5	0
27	b	1	65	55	1	4	5	0
27	b	1	65	55	1	4	5	0
27	b	1	61	51	1	4	5	0
27	b	1	65	55	1	4	5	0
27	b	1	65	55	1	4	5	0
27	b	1	51	41	1	4	5	0
27	b	1	65	55	1	4	5	0
27	b	1	65	55	1	4	5	0
27	h	1	65	55	1	4	5	0
27	h	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	
27	h	1	50	40	1	4	5	0
27	h	1	51	41	1	4	5	0
27	h	1	51	41	1	4	5	0
27	h	1	65	55	1	4	5	0
27	h	1	57	47	1	4	5	0
27	h	1	51	41	1	4	5	0
27	h	1	65	55	1	4	5	0
27	m	1	42	34	1	4	3	0
27	m	1	56	46	1	4	5	0
27	m	1	65	55	1	4	5	0
27	m	1	65	55	1	4	5	0
27	m	1	42	34	1	4	3	0
27	m	1	65	55	1	4	5	0
27	m	1	65	55	1	4	5	0
27	m	1	51	41	1	4	5	0
27	m	1	55	45	1	4	5	0
27	m	1	51	41	1	4	5	0
27	m	1	43	35	1	4	3	0
27	e	1	45	35	1	4	5	0
27	e	1	50	40	1	4	5	0
27	e	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	
27	e	1	65	55	1	4	5	0
27	e	1	65	55	1	4	5	0
27	e	1	65	55	1	4	5	0
27	e	1	65	55	1	4	5	0
27	e	1	46	36	1	4	5	0
27	e	1	65	55	1	4	5	0
27	e	1	65	55	1	4	5	0
27	l	1	47	37	1	4	5	0
27	l	1	65	55	1	4	5	0
27	l	1	51	41	1	4	5	0
27	l	1	65	55	1	4	5	0
27	l	1	65	55	1	4	5	0
27	l	1	65	55	1	4	5	0
27	l	1	51	41	1	4	5	0
27	l	1	61	51	1	4	5	0
27	l	1	65	55	1	4	5	0
27	k	1	50	40	1	4	5	0
27	k	1	51	41	1	4	5	0
27	k	1	65	55	1	4	5	0
27	k	1	45	35	1	4	5	0
27	k	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	
27	k	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	k	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	k	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	k	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	k	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	f	1	Total 47	C 37	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	f	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
27	f	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	f	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	f	1	Total 65	C 55	Mg 1	N 4	O 5	0
27	i	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	i	1	Total 50	C 40	Mg 1	N 4	O 5	0
27	i	1	Total 51	C 41	Mg 1	N 4	O 5	0
27	i	1	Total 65	C 55	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	
27	i	1	51	41	1	4	5	0
27	i	1	61	51	1	4	5	0
27	i	1	51	41	1	4	5	0
27	i	1	46	36	1	4	5	0
27	i	1	51	41	1	4	5	0
27	i	1	51	41	1	4	5	0
27	j	1	51	41	1	4	5	0
27	j	1	50	40	1	4	5	0
27	j	1	51	41	1	4	5	0
27	j	1	65	55	1	4	5	0
27	j	1	45	35	1	4	5	0
27	j	1	51	41	1	4	5	0
27	j	1	45	35	1	4	5	0
27	j	1	51	41	1	4	5	0
27	j	1	61	51	1	4	5	0
27	j	1	51	41	1	4	5	0
27	j	1	65	55	1	4	5	0
27	d	1	50	40	1	4	5	0
27	d	1	51	41	1	4	5	0
27	d	1	65	55	1	4	5	0
27	d	1	51	41	1	4	5	0

Continued on next page...

Continued from previous page...

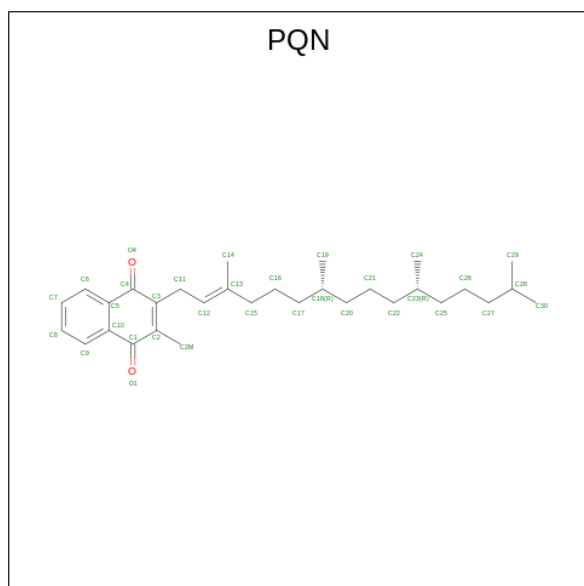
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
27	d	1	51	41	1	4	5	0
27	d	1	46	36	1	4	5	0
27	d	1	41	33	1	4	3	0
27	d	1	41	33	1	4	3	0
27	d	1	51	41	1	4	5	0
27	g	1	42	34	1	4	3	0
27	g	1	50	40	1	4	5	0
27	g	1	51	41	1	4	5	0
27	g	1	65	55	1	4	5	0
27	g	1	51	41	1	4	5	0
27	g	1	51	41	1	4	5	0
27	g	1	65	55	1	4	5	0
27	g	1	65	55	1	4	5	0
27	g	1	51	41	1	4	5	0
27	g	1	54	44	1	4	5	0
27	g	1	51	41	1	4	5	0
27	g	1	65	55	1	4	5	0
27	R	1	51	41	1	4	5	0
27	n	1	45	35	1	4	5	0
27	n	1	50	40	1	4	5	0
27	n	1	51	41	1	4	5	0

Continued on next page...

Continued from previous page...

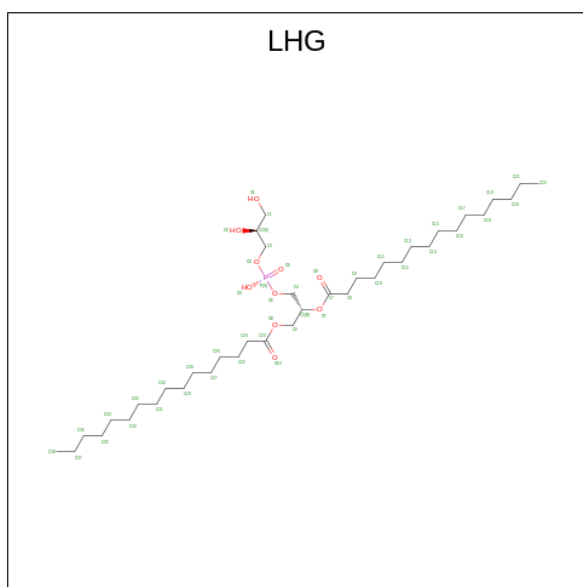
Mol	Chain	Residues	Atoms					AltConf
27	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
27	n	1	Total	C	Mg	N	O	0
			51	41	1	4	5	

- Molecule 28 is PHYLLOQUINONE (three-letter code: PQN) (formula: $C_{31}H_{46}O_2$).



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

- Molecule 29 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{75}O_{10}P$).



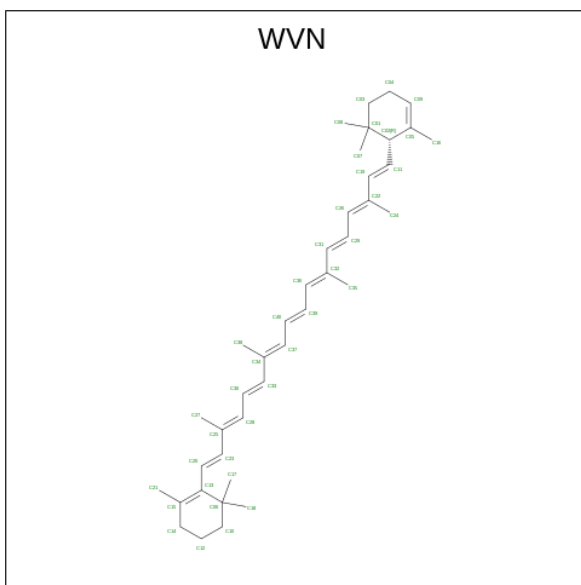
Mol	Chain	Residues	Atoms			AltConf	
			Total	C	O		P
29	A	1	48	37	10	1	0
29	A	1	27	16	10	1	0
29	A	1	38	27	10	1	0
29	J	1	49	38	10	1	0
29	L	1	49	38	10	1	0
29	c	1	37	26	10	1	0
29	c	1	37	26	10	1	0
29	a	1	49	38	10	1	0
29	a	1	49	38	10	1	0
29	b	1	49	38	10	1	0
29	b	1	31	20	10	1	0
29	m	1	37	26	10	1	0
29	e	1	37	26	10	1	0
29	l	1	32	21	10	1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
29	k	1	Total 37	C 26	O 10	P 1	0
29	f	1	Total 49	C 38	O 10	P 1	0
29	i	1	Total 37	C 26	O 10	P 1	0
29	j	1	Total 30	C 19	O 10	P 1	0
29	d	1	Total 37	C 26	O 10	P 1	0
29	g	1	Total 37	C 26	O 10	P 1	0
29	g	1	Total 37	C 26	O 10	P 1	0
29	n	1	Total 43	C 32	O 10	P 1	0

- Molecule 30 is 1,3,3-trimethyl-2-[(1E,3E,5E,7E,9E,11E,13E,15E,17E)-3,7,12,16-tetramethyl-18-[(1R)-2,6,6-trimethylcyclohex-2-en-1-yl]octadeca-1,3,5,7,9,11,13,15,17-nonaenyl]cyclohexene (three-letter code: WVN) (formula: C₄₀H₅₆) (labeled as "Ligand of Interest" by depositor).



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

Continued on next page...

Continued from previous page...

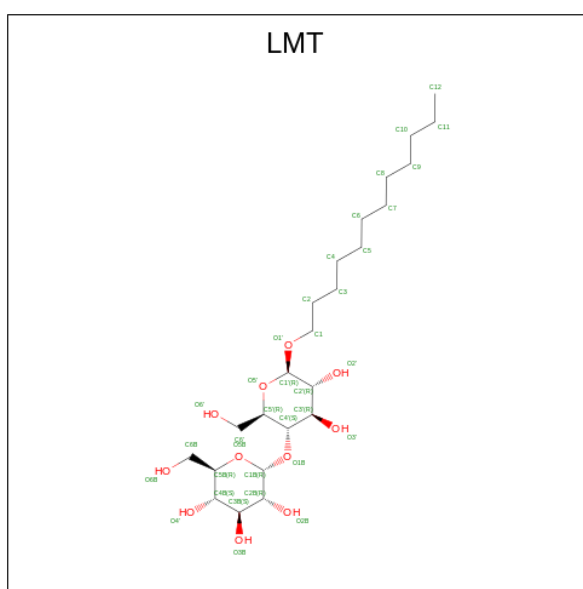
Mol	Chain	Residues	Atoms	AltConf
30	A	1	Total C 40 40	0
30	A	1	Total C 40 40	0
30	B	1	Total C 40 40	0
30	B	1	Total C 40 40	0
30	B	1	Total C 40 40	0
30	B	1	Total C 40 40	0
30	B	1	Total C 40 40	0
30	B	1	Total C 40 40	0
30	F	1	Total C 40 40	0
30	F	1	Total C 40 40	0
30	I	1	Total C 40 40	0
30	J	1	Total C 40 40	0
30	J	1	Total C 40 40	0
30	L	1	Total C 40 40	0
30	L	1	Total C 40 40	0
30	M	1	Total C 40 40	0
30	O	1	Total C 40 40	0
30	K	1	Total C 40 40	0
30	s	1	Total C 40 40	0
30	s	1	Total C 40 40	0
30	h	1	Total C 40 40	0

Continued on next page...

Continued from previous page...

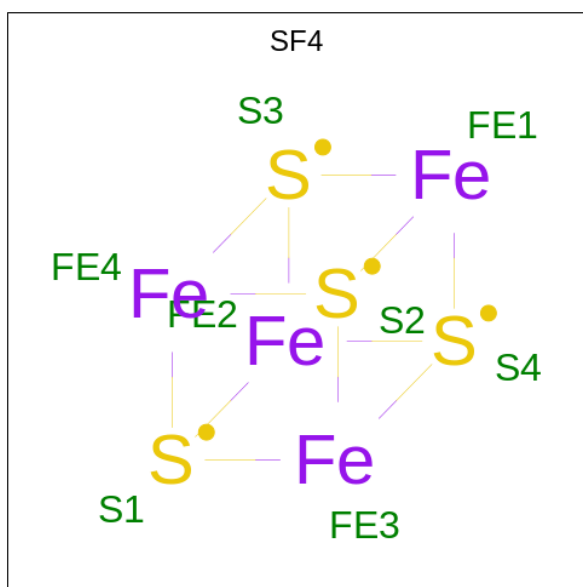
Mol	Chain	Residues	Atoms	AltConf
30	e	1	Total C 40 40	0
30	l	1	Total C 40 40	0
30	l	1	Total C 40 40	0
30	i	1	Total C 40 40	0
30	R	1	Total C 40 40	0
30	R	1	Total C 40 40	0

- Molecule 31 is DODECYL-BETA-D-MALTOSE (three-letter code: LMT) (formula: $C_{24}H_{46}O_{11}$).



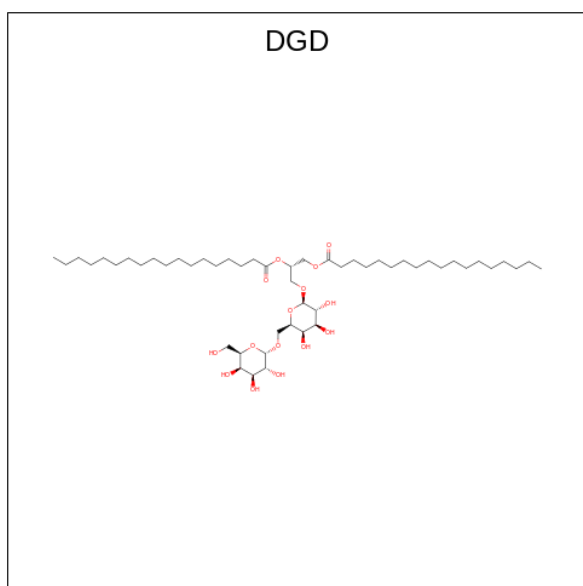
Mol	Chain	Residues	Atoms	AltConf
31	A	1	Total C O 35 24 11	0
31	a	1	Total C O 24 18 6	0
31	a	1	Total C O 35 24 11	0
31	b	1	Total C O 24 18 6	0

- Molecule 32 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe_4S_4).



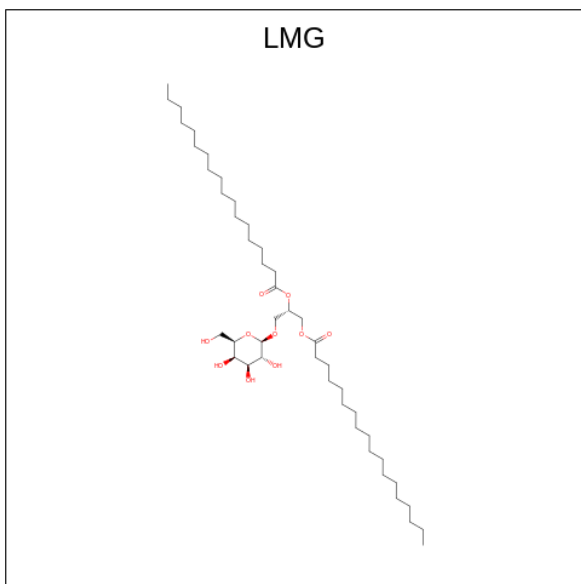
Mol	Chain	Residues	Atoms			AltConf
32	A	1	Total	Fe	S	0
			8	4	4	
32	C	1	Total	Fe	S	0
			8	4	4	
32	C	1	Total	Fe	S	0
			8	4	4	

- Molecule 33 is DIGALACTOSYL DIACYL GLYCEROL (DGDG) (three-letter code: DGD) (formula: $C_{51}H_{96}O_{15}$).



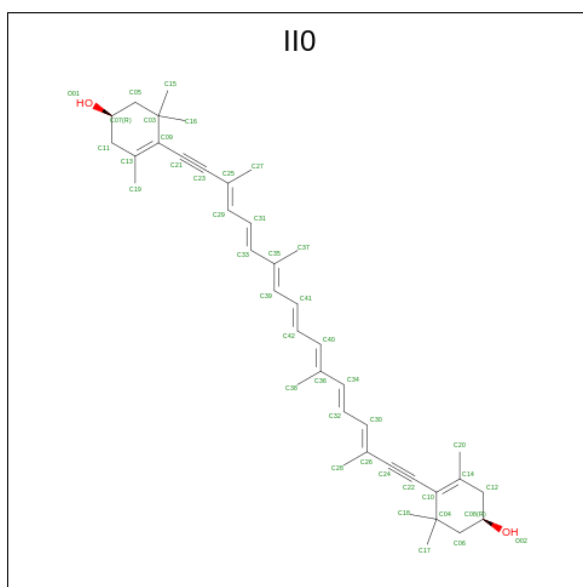
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
33	B	1	60	45	15	0

- Molecule 34 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula: C₄₅H₈₆O₁₀).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
34	F	1	48	38	10	0
34	J	1	55	45	10	0
34	L	1	55	45	10	0
34	O	1	26	16	10	0
34	s	1	55	45	10	0
34	c	1	55	45	10	0
34	b	1	49	39	10	0

- Molecule 35 is (1 {R})-3,5,5-trimethyl-4-[(3 {E},5 {E},7 {E},9 {E},11 {E},13 {E},15 {E})-3,7,12,16-tetramethyl-18-[(4 {R})-2,6,6-trimethyl-4-oxidanyl-cyclohexen-1-yl]octadec a-3,5,7,9,11,13,15-heptaen-1,17-diynyl]cyclohex-3-en-1-ol (three-letter code: II0) (formula: C₄₀H₅₂O₂).



Mol	Chain	Residues	Atoms			AltConf
35	J	1	Total	C	O	0
			42	40	2	
35	O	1	Total	C	O	0
			42	40	2	
35	c	1	Total	C	O	0
			42	40	2	
35	c	1	Total	C	O	0
			42	40	2	
35	c	1	Total	C	O	0
			42	40	2	
35	c	1	Total	C	O	0
			42	40	2	
35	a	1	Total	C	O	0
			42	40	2	
35	a	1	Total	C	O	0
			42	40	2	
35	a	1	Total	C	O	0
			42	40	2	
35	a	1	Total	C	O	0
			42	40	2	
35	b	1	Total	C	O	0
			42	40	2	
35	b	1	Total	C	O	0
			42	40	2	
35	b	1	Total	C	O	0
			42	40	2	
35	h	1	Total	C	O	0
			28	27	1	

Continued on next page...

Continued from previous page...

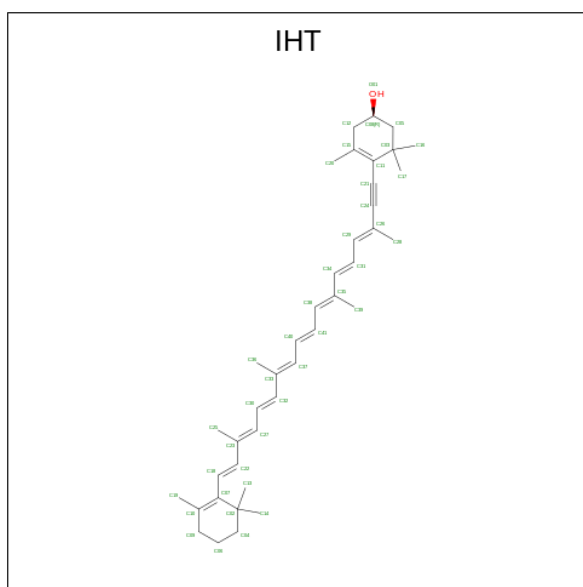
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
35	h	1	42	40	2	0
35	h	1	42	40	2	0
35	m	1	42	40	2	0
35	m	1	42	40	2	0
35	m	1	42	40	2	0
35	e	1	42	40	2	0
35	e	1	42	40	2	0
35	e	1	42	40	2	0
35	e	1	42	40	2	0
35	l	1	42	40	2	0
35	l	1	42	40	2	0
35	l	1	42	40	2	0
35	l	1	42	40	2	0
35	l	1	42	40	2	0
35	k	1	42	40	2	0
35	k	1	42	40	2	0
35	k	1	42	40	2	0
35	k	1	42	40	2	0
35	f	1	42	40	2	0
35	f	1	42	40	2	0
35	f	1	42	40	2	0

Continued on next page...

Continued from previous page...

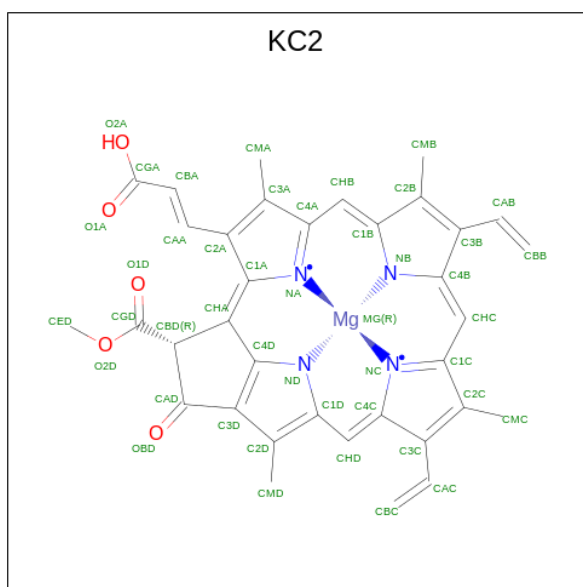
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
35	f	1	42	40	2	0
35	i	1	42	40	2	0
35	i	1	42	40	2	0
35	i	1	42	40	2	0
35	j	1	42	40	2	0
35	j	1	42	40	2	0
35	j	1	42	40	2	0
35	d	1	42	40	2	0
35	d	1	42	40	2	0
35	d	1	42	40	2	0
35	g	1	42	40	2	0
35	g	1	42	40	2	0
35	g	1	42	40	2	0
35	g	1	42	40	2	0
35	n	1	42	40	2	0
35	n	1	42	40	2	0
35	n	1	42	40	2	0
35	n	1	42	40	2	0

- Molecule 36 is (1 {R})-3,5,5-trimethyl-4-[(3 {E},5 {E},7 {E},9 {E},11 {E},13 {E},15 {E},17 {E})-3,7,12,16-tetramethyl-18-(2,6,6-trimethylcyclohexen-1-yl)octadeca-3,5,7,9,11,13,15,17-octaen-1-ynyl]cyclohex-3-en-1-ol (three-letter code: IHT) (formula: C₄₀H₅₄O).



Mol	Chain	Residues	Atoms			AltConf
36	O	1	Total	C	O	0
			41	40	1	
36	c	1	Total	C	O	0
			41	40	1	
36	c	1	Total	C	O	0
			41	40	1	
36	a	1	Total	C	O	0
			41	40	1	
36	b	1	Total	C	O	0
			41	40	1	
36	m	1	Total	C	O	0
			41	40	1	
36	k	1	Total	C	O	0
			41	40	1	
36	f	1	Total	C	O	0
			41	40	1	
36	j	1	Total	C	O	0
			41	40	1	
36	g	1	Total	C	O	0
			41	40	1	
36	R	1	Total	C	O	0
			41	40	1	
36	n	1	Total	C	O	0
			41	40	1	

- Molecule 37 is Chlorophyll c2 (three-letter code: KC2) (formula: $C_{35}H_{28}MgN_4O_5$).



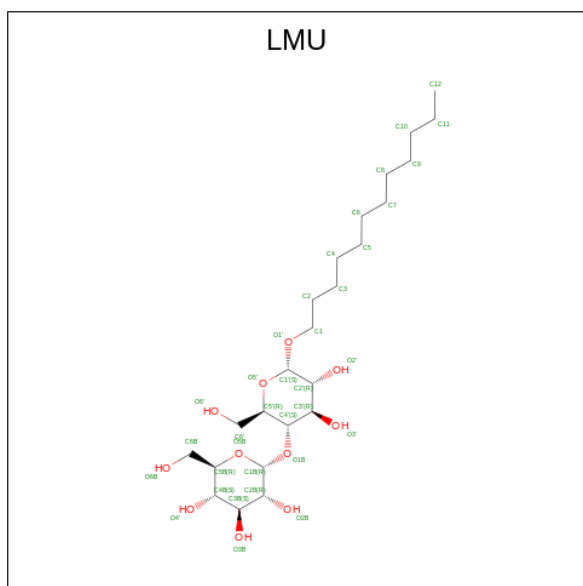
Mol	Chain	Residues	Atoms				AltConf	
			Total	C	Mg	N		O
37	s	1	45	35	1	4	5	0
37	s	1	45	35	1	4	5	0
37	c	1	45	35	1	4	5	0
37	m	1	45	35	1	4	5	0
37	e	1	45	35	1	4	5	0
37	l	1	45	35	1	4	5	0
37	k	1	45	35	1	4	5	0
37	k	1	45	35	1	4	5	0
37	k	1	45	35	1	4	5	0
37	f	1	45	35	1	4	5	0
37	i	1	45	35	1	4	5	0
37	i	1	45	35	1	4	5	0
37	j	1	45	35	1	4	5	0
37	d	1	45	35	1	4	5	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf
37	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
37	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
37	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
37	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
37	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
37	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

- Molecule 38 is DODECYL-ALPHA-D-MALTOSE (three-letter code: LMU) (formula: $C_{24}H_{46}O_{11}$).



Mol	Chain	Residues	Atoms			AltConf
38	i	1	Total	C	O	0
			35	24	11	

- Molecule 39 is water.

Mol	Chain	Residues	Atoms		AltConf
39	A	49	Total	O	0
			49	49	
39	B	58	Total	O	0
			58	58	

Continued on next page...

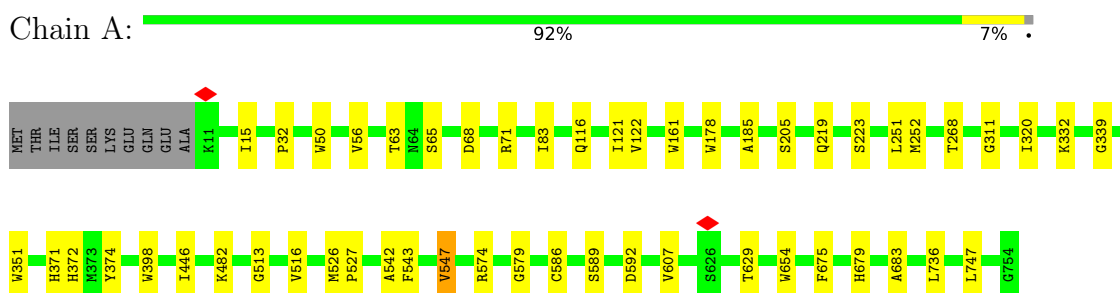
Continued from previous page...

Mol	Chain	Residues	Atoms	AltConf
39	C	7	Total O 7 7	0
39	D	1	Total O 1 1	0
39	F	4	Total O 4 4	0
39	I	1	Total O 1 1	0
39	J	1	Total O 1 1	0
39	L	1	Total O 1 1	0
39	O	1	Total O 1 1	0
39	K	1	Total O 1 1	0
39	a	3	Total O 3 3	0
39	b	2	Total O 2 2	0
39	h	1	Total O 1 1	0
39	m	1	Total O 1 1	0
39	e	4	Total O 4 4	0
39	n	2	Total O 2 2	0

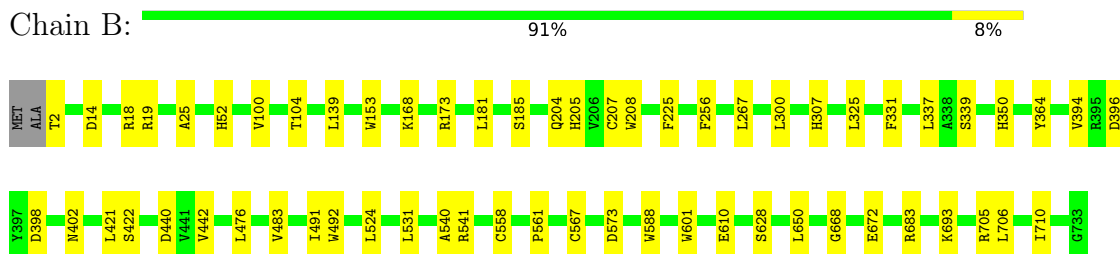
3 Residue-property plots

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.

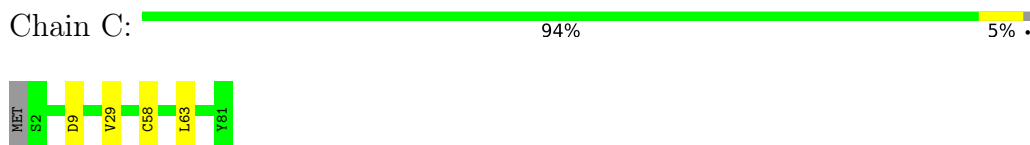
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



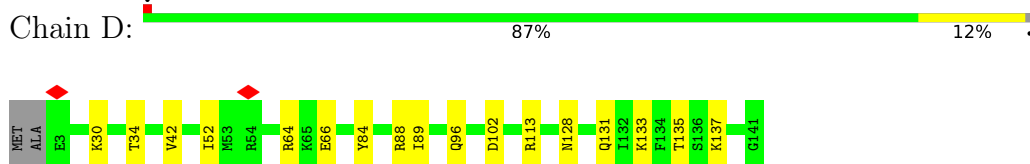
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2




- Molecule 3: Photosystem I iron-sulfur center

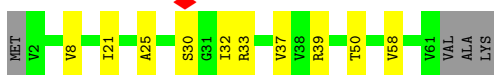


- Molecule 4: Photosystem I reaction center subunit II




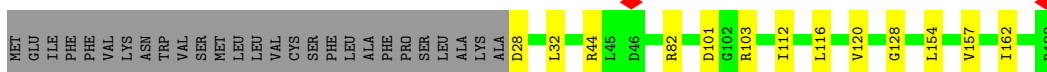
- Molecule 5: Photosystem I reaction center subunit IV

Chain E:  78% 16% 6%



- Molecule 6: Photosystem I reaction center subunit III

Chain F:  79% 7% 14%




- Molecule 7: Photosystem I reaction center subunit VIII

Chain I:  75% 19% 6%




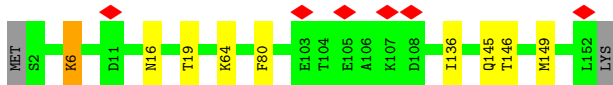
- Molecule 8: Photosystem I reaction center subunit IX

Chain J:  90% 10%




- Molecule 9: Photosystem I reaction center subunit XI

Chain L:  93% 5% ..



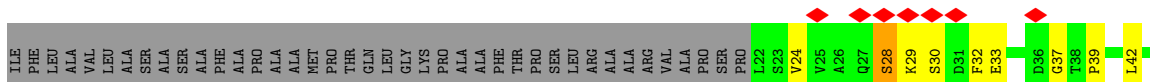
- Molecule 10: Photosystem I reaction center subunit XII

Chain M:  87% 10% .



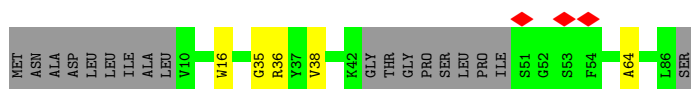
- Molecule 11: PsaO

Chain O:  5% 62% 9% 29%

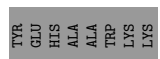
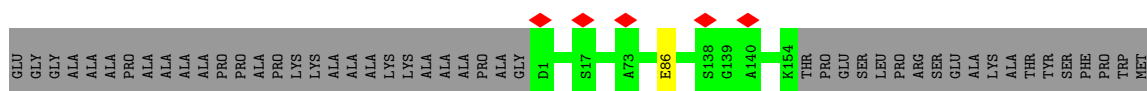
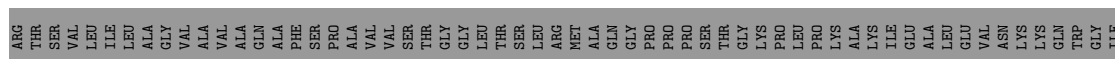




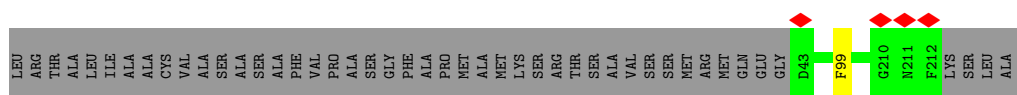
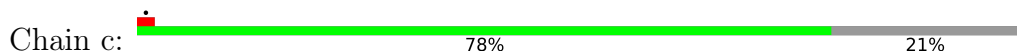
● Molecule 12: Photosystem I reaction center subunit PsaK



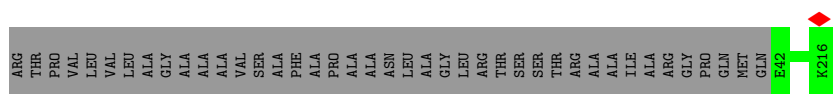
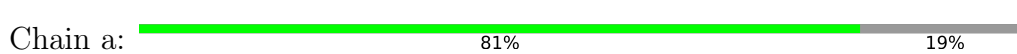
● Molecule 13: chain s



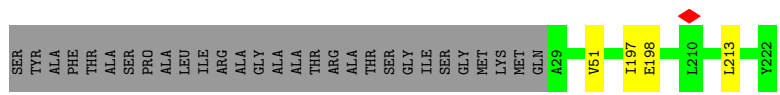
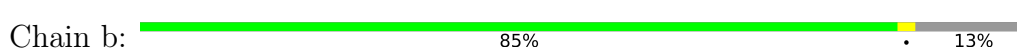
● Molecule 14: CAC-c



● Molecule 15: CAC-a



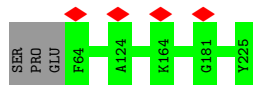
● Molecule 16: CAC-b



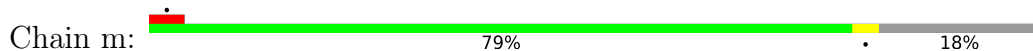
● Molecule 17: CAC-h



SER THR ALA VAL LEU LEU VAL ALA THR THR ALA THR PHE ALA PRO PRO ALA ALA ALA MET MET GLY PRO PRO GLY LEU LEU SER SER ARG ARG ALA ALA GLN SER GLY ALA ALA ALA GLN ARG ALA ARG ALA ALA GLY LEU SER ALA LEU LEU SER MET MET ALA ALA ASN PRO MET SER SER LYS ALA VAL ASP PHE ALA ALA SER



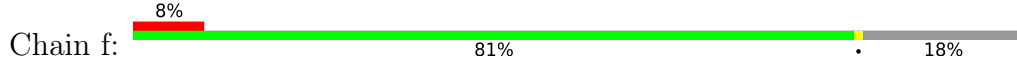
• Molecule 18: CAC-m, CAC-f



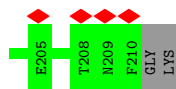
VAL ALA VAL VAL CYS VAL ALA SER SER ALA ALA PHE ALA PRO SER SER ALA ALA MET MET GLY VAL LYS THR THR ARG VAL VAL SER SER ILE GLY PRO ARG MET MET GLN A37 E49 V107 V108 G109 T110 Q123 D149 K166 N167 A168 E169 E178 T199 L204



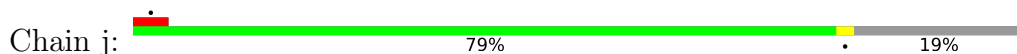
• Molecule 18: CAC-m, CAC-f



VAL ALA VAL VAL CYS VAL ALA SER SER ALA ALA PHE ALA PRO SER SER ALA ALA MET MET GLY VAL LYS THR THR ARG VAL VAL SER SER ILE GLY PRO ARG MET MET GLN A37 D52 A70 F99 K106 T110 D149 L162 S165 K166 N167 A168 E169 K172 R173

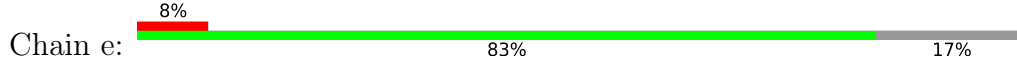


• Molecule 18: CAC-m, CAC-f



VAL ALA VAL VAL CYS VAL ALA SER SER ALA ALA PHE ALA PRO SER SER ALA ALA MET MET GLY VAL LYS THR THR ARG VAL VAL SER SER ILE GLY PRO ARG MET MET GLN ALA M38 D52 D87 T100 T110 A111 Q123 K166 M167 A168 E169 M209 PHE GLY LYS

• Molecule 19: CAC-e

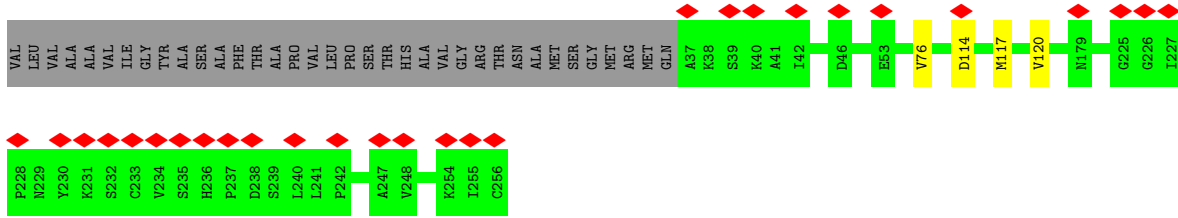


ALA THR LEU LEU VAL CYS VAL ALA SER SER ALA ALA PHE ALA PRO SER SER ALA LEU LEU PRO GLN ALA VAL ARG ALA ALA LYS THR GLY MET ARG MET MET GLN M35 A43 S50 F95 A102 G103 A104 F131 D144 G145 G146 E151 G155 K156 A157 D158 A192

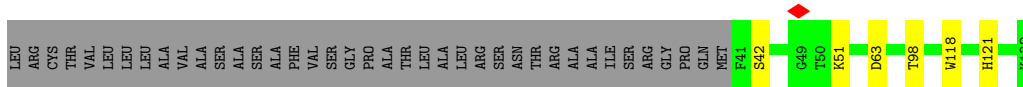


• Molecule 20: CAC-l

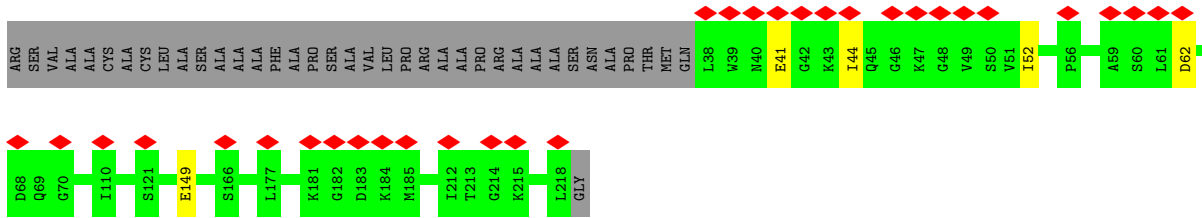
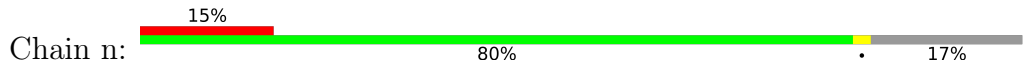




• Molecule 25: PsaR



• Molecule 26: CAC-n



4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	42423	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	60	Depositor
Minimum defocus (nm)	1200	Depositor
Maximum defocus (nm)	2200	Depositor
Magnification	Not provided	
Image detector	GATAN K2 QUANTUM (4k x 4k)	Depositor
Maximum map value	0.206	Depositor
Minimum map value	-0.100	Depositor
Average map value	0.001	Depositor
Map value standard deviation	0.006	Depositor
Recommended contour level	0.023	Depositor
Map size (Å)	332.8, 332.8, 332.8	wwPDB
Map dimensions	320, 320, 320	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.04, 1.04, 1.04	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: LMG, CLA, WVN, IHT, LHG, PQN, DGD, II0, KC2, SF4, LMU, LMT

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	0.51	0/6019	0.65	0/8204
2	B	0.53	0/6045	0.67	0/8254
3	C	0.49	0/601	0.73	0/813
4	D	0.51	0/1108	0.71	0/1499
5	E	0.51	0/493	0.70	0/667
6	F	0.53	0/1287	0.74	0/1747
7	I	0.64	0/271	0.80	0/370
8	J	0.51	0/364	0.71	0/495
9	L	0.51	0/1175	0.75	0/1599
10	M	0.50	0/233	0.81	0/315
11	O	0.55	0/799	0.71	0/1094
12	K	0.48	0/495	0.73	0/672
13	s	0.49	0/1170	0.70	0/1580
14	c	0.52	0/1396	0.70	0/1889
15	a	0.55	0/1406	0.70	0/1903
16	b	0.51	0/1469	0.74	0/1983
17	h	0.51	0/1226	0.76	0/1667
18	f	0.49	0/1328	0.73	0/1790
18	j	0.57	0/1318	0.74	0/1775
18	m	0.49	0/1335	0.68	0/1798
19	e	0.51	0/1324	0.72	0/1795
20	l	0.51	0/1379	0.69	0/1863
21	k	0.53	0/1223	0.76	0/1651
22	i	0.50	0/1359	0.77	0/1835
23	d	0.47	0/993	0.74	0/1335
24	g	0.53	0/1673	0.75	0/2264
25	R	0.51	0/686	0.70	0/940
26	n	0.56	0/1383	0.75	0/1867
All	All	0.52	0/39558	0.71	0/53664

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	5825	0	5678	39	0
2	B	5826	0	5642	52	0
3	C	592	0	567	3	0
4	D	1083	0	1077	11	0
5	E	485	0	489	5	0
6	F	1254	0	1264	12	0
7	I	264	0	276	5	0
8	J	351	0	344	4	0
9	L	1146	0	1160	9	0
10	M	232	0	265	4	0
11	O	773	0	765	10	0
12	K	488	0	516	3	0
13	s	1140	0	1099	0	0
14	c	1357	0	1337	0	0
15	a	1361	0	1305	0	0
16	b	1439	0	1456	0	0
17	h	1200	0	1228	0	0
18	f	1302	0	1320	0	0
18	j	1293	0	1321	0	0
18	m	1309	0	1335	0	0
19	e	1286	0	1262	0	0
20	l	1344	0	1315	0	0
21	k	1196	0	1204	0	0
22	i	1324	0	1297	0	0
23	d	974	0	978	0	0
24	g	1630	0	1644	0	0
25	R	664	0	647	3	0
26	n	1350	0	1348	0	0
27	A	2758	0	2820	85	0
27	B	2440	0	2452	58	0
27	F	182	0	187	5	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
27	J	93	0	72	1	0
27	K	93	0	72	0	0
27	L	215	0	191	3	0
27	O	130	0	144	2	0
27	R	51	0	41	0	0
27	a	619	0	588	0	0
27	b	673	0	696	0	0
27	c	586	0	520	0	0
27	d	447	0	366	0	0
27	e	582	0	578	0	0
27	f	700	0	695	0	0
27	g	661	0	611	0	0
27	h	505	0	470	0	0
27	i	528	0	451	0	0
27	j	586	0	515	0	0
27	k	545	0	493	0	0
27	l	535	0	538	0	0
27	m	600	0	565	0	0
27	n	605	0	552	0	0
27	s	297	0	298	0	0
28	A	33	0	46	2	0
28	B	33	0	46	1	0
29	A	113	0	142	5	0
29	J	49	0	74	6	0
29	L	49	0	74	2	0
29	a	98	0	148	0	0
29	b	80	0	106	0	0
29	c	74	0	88	0	0
29	d	37	0	44	0	0
29	e	37	0	44	0	0
29	f	49	0	74	0	0
29	g	74	0	88	0	0
29	i	37	0	44	0	0
29	j	30	0	30	0	0
29	k	37	0	44	0	0
29	l	32	0	34	0	0
29	m	37	0	44	0	0
29	n	43	0	59	0	0
30	A	160	0	0	0	0
30	B	240	0	0	0	0
30	F	80	0	0	0	0
30	I	40	0	0	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
30	J	80	0	0	0	0
30	K	40	0	0	0	0
30	L	80	0	0	0	0
30	M	40	0	0	0	0
30	O	40	0	0	0	0
30	R	80	0	0	0	0
30	e	40	0	0	0	0
30	h	40	0	0	0	0
30	i	40	0	0	0	0
30	l	80	0	0	0	0
30	s	80	0	0	0	0
31	A	35	0	44	1	0
31	a	59	0	79	0	0
31	b	24	0	34	0	0
32	A	8	0	0	5	0
32	C	16	0	0	0	0
33	B	60	0	81	2	0
34	F	48	0	69	1	0
34	J	55	0	86	2	0
34	L	55	0	86	0	0
34	O	26	0	22	0	0
34	b	49	0	71	0	0
34	c	55	0	86	0	0
34	s	55	0	86	0	0
35	J	42	0	0	0	0
35	O	42	0	0	0	0
35	a	168	0	0	0	0
35	b	126	0	0	0	0
35	c	168	0	0	0	0
35	d	126	0	0	0	0
35	e	168	0	0	0	0
35	f	168	0	0	0	0
35	g	168	0	0	0	0
35	h	112	0	0	0	0
35	i	126	0	0	0	0
35	j	126	0	0	0	0
35	k	168	0	0	0	0
35	l	210	0	0	0	0
35	m	126	0	0	0	0
35	n	168	0	0	0	0
36	O	41	0	0	0	0
36	R	41	0	0	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
36	a	41	0	0	0	0
36	b	41	0	0	0	0
36	c	82	0	0	0	0
36	f	41	0	0	0	0
36	g	41	0	0	0	0
36	j	41	0	0	0	0
36	k	41	0	0	0	0
36	m	41	0	0	0	0
36	n	41	0	0	0	0
37	c	45	0	0	0	0
37	d	90	0	0	0	0
37	e	45	0	0	0	0
37	f	45	0	0	0	0
37	g	135	0	0	0	0
37	i	90	0	0	0	0
37	j	45	0	0	0	0
37	k	135	0	0	0	0
37	l	45	0	0	0	0
37	m	45	0	0	0	0
37	n	90	0	0	0	0
37	s	90	0	0	0	0
38	i	35	0	46	0	0
39	A	49	0	0	0	0
39	B	58	0	0	1	0
39	C	7	0	0	0	0
39	D	1	0	0	0	0
39	F	4	0	0	0	0
39	I	1	0	0	0	0
39	J	1	0	0	0	0
39	K	1	0	0	0	0
39	L	1	0	0	0	0
39	O	1	0	0	0	0
39	a	3	0	0	0	0
39	b	2	0	0	0	0
39	e	4	0	0	0	0
39	h	1	0	0	0	0
39	m	1	0	0	0	0
39	n	2	0	0	0	0
All	All	59342	0	54073	253	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 6.

All (253) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
32:A:854:SF4:FE4	2:B:558:CYS:HG	0.80	0.98
32:A:854:SF4:FE1	2:B:567:CYS:HG	0.66	0.94
11:O:24:VAL:HG13	11:O:42:LEU:HB2	1.50	0.92
1:A:586:CYS:HG	32:A:854:SF4:FE2	0.64	0.89
2:B:325:LEU:HD13	2:B:331:PHE:HD2	1.48	0.79
1:A:586:CYS:SG	32:A:854:SF4:FE2	1.73	0.77
27:A:822:CLA:HBB2	27:A:836:CLA:H18	1.70	0.73
2:B:421:LEU:HB3	2:B:531:LEU:HG	1.76	0.68
6:F:120:VAL:HG13	27:F:202:CLA:HAA1	1.77	0.66
11:O:24:VAL:CG1	11:O:42:LEU:HB2	2.25	0.66
27:A:852:CLA:HMB1	27:A:852:CLA:HBB1	1.79	0.65
27:A:852:CLA:H11	2:B:650:LEU:HB3	1.80	0.64
27:B:809:CLA:HBB2	27:B:837:CLA:H8	1.80	0.63
27:A:839:CLA:HBB1	27:A:839:CLA:HMB1	1.79	0.63
27:A:814:CLA:H12	27:A:814:CLA:HBD	1.80	0.62
3:C:9:ASP:OD2	5:E:33:ARG:NH1	2.32	0.62
27:A:831:CLA:HBA1	27:A:855:CLA:H42	1.82	0.62
7:I:29:TYR:OH	10:M:29:TYR:OH	2.17	0.62
2:B:325:LEU:HD13	2:B:331:PHE:CD2	2.31	0.61
6:F:82:ARG:HH22	8:J:36:ASP:HB2	1.66	0.61
27:B:805:CLA:H12	7:I:14:ILE:HG13	1.82	0.60
27:A:809:CLA:HBB2	27:A:812:CLA:HMA3	1.82	0.60
1:A:205:SER:HB2	1:A:311:GLY:HA3	1.84	0.60
8:J:41:PRO:HG2	27:J:105:CLA:HMD1	1.84	0.60
5:E:39:ARG:HG3	5:E:50:THR:HG22	1.85	0.59
27:A:842:CLA:H42	28:A:843:PQN:H191	1.82	0.59
1:A:372:HIS:ND1	27:A:817:CLA:OBD	2.36	0.59
4:D:42:VAL:HG22	4:D:52:ILE:HG12	1.86	0.58
27:A:839:CLA:H71	29:A:850:LHG:HC12	1.85	0.57
4:D:64:ARG:NH2	4:D:66:GLU:OE1	2.38	0.57
27:B:836:CLA:H122	27:B:836:CLA:H51	1.87	0.56
27:B:838:CLA:HHC	27:B:838:CLA:HBB1	1.87	0.56
27:A:820:CLA:HBC3	27:A:826:CLA:H171	1.87	0.56
27:O:202:CLA:HBB	27:O:202:CLA:H42	1.86	0.56
27:A:830:CLA:HMA2	9:L:19:THR:HG21	1.88	0.55
27:A:835:CLA:H191	27:L:203:CLA:H72	1.87	0.55
1:A:15:ILE:HD13	27:A:809:CLA:HAA2	1.88	0.55
6:F:28:ASP:N	6:F:32:LEU:O	2.40	0.55
27:A:852:CLA:H143	27:B:838:CLA:HBC3	1.89	0.54
2:B:339:SER:HB3	27:B:820:CLA:H42	1.89	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:396:ASP:OD1	4:D:133:LYS:NZ	2.39	0.54
2:B:398:ASP:OD1	4:D:131:GLN:NE2	2.41	0.53
2:B:18:ARG:NH1	39:B:907:HOH:O	2.41	0.53
2:B:100:VAL:O	2:B:104:THR:OG1	2.27	0.53
3:C:58:CYS:HB3	3:C:63:LEU:HD22	1.91	0.53
2:B:207:CYS:SG	2:B:208:TRP:N	2.82	0.53
2:B:350:HIS:ND1	27:B:814:CLA:OBD	2.42	0.53
27:A:818:CLA:HBC2	27:A:828:CLA:H121	1.91	0.53
27:B:838:CLA:H41	9:L:80:PHE:HD2	1.72	0.53
1:A:542:ALA:HB1	27:A:835:CLA:HMB3	1.90	0.52
27:B:803:CLA:H93	27:B:810:CLA:H2	1.91	0.52
27:A:837:CLA:H101	8:J:17:THR:HG23	1.90	0.52
6:F:112:ILE:HD12	29:J:107:LHG:H102	1.91	0.52
1:A:50:TRP:HE1	27:F:201:CLA:HBB1	1.75	0.52
10:M:29:TYR:O	10:M:30:GLN:NE2	2.43	0.52
1:A:268:THR:HB	12:K:16:TRP:HB2	1.93	0.51
27:A:852:CLA:OBD	27:B:801:CLA:HMB3	2.10	0.51
27:A:818:CLA:H92	27:A:828:CLA:H91	1.92	0.51
3:C:29:VAL:HG12	4:D:113:ARG:HB3	1.92	0.51
29:J:107:LHG:H201	29:J:107:LHG:H141	1.93	0.51
27:A:802:CLA:HBA2	2:B:524:LEU:HD11	1.91	0.51
1:A:589:SER:OG	1:A:592:ASP:OD2	2.29	0.51
27:A:827:CLA:H92	29:A:850:LHG:H223	1.92	0.50
11:O:24:VAL:HG13	11:O:42:LEU:CB	2.35	0.50
2:B:492:TRP:HH2	27:B:830:CLA:H2A	1.77	0.50
1:A:65:SER:OG	1:A:68:ASP:OD1	2.28	0.50
31:A:851:LMT:O2B	31:A:851:LMT:O6'	2.29	0.50
11:O:80:SER:O	11:O:84:ASN:ND2	2.45	0.50
27:A:802:CLA:HBA1	27:A:839:CLA:HBB2	1.92	0.50
2:B:307:HIS:HA	27:B:840:CLA:HMD1	1.94	0.50
27:B:821:CLA:H52	27:B:840:CLA:H201	1.92	0.50
6:F:101:ASP:OD2	6:F:103:ARG:NH2	2.44	0.50
1:A:121:ILE:HG13	1:A:122:VAL:HG13	1.94	0.49
2:B:204:GLN:NE2	2:B:205:HIS:O	2.44	0.49
2:B:225:PHE:O	27:B:849:CLA:H2A	2.11	0.49
1:A:579:GLY:HA2	2:B:561:PRO:HD3	1.94	0.49
11:O:28:SER:O	11:O:28:SER:OG	2.27	0.49
9:L:136:ILE:HG23	29:L:207:LHG:H122	1.94	0.49
2:B:14:ASP:HB3	2:B:19:ARG:HB2	1.93	0.49
1:A:71:ARG:HG2	1:A:185:ALA:HB1	1.95	0.49
2:B:168:LYS:NZ	25:R:42:SER:OG	2.39	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
27:B:804:CLA:H151	27:B:824:CLA:HBB2	1.95	0.49
7:I:19:PRO:HA	7:I:22:VAL:HG22	1.94	0.48
11:O:32:PHE:CD1	11:O:32:PHE:C	2.85	0.48
27:A:839:CLA:O1A	27:A:839:CLA:H3A	2.13	0.48
6:F:116:LEU:HD23	29:J:107:LHG:H151	1.95	0.48
1:A:219:GLN:HA	1:A:223:SER:HB2	1.95	0.48
27:A:809:CLA:H2	27:A:811:CLA:HBC2	1.95	0.48
2:B:181:LEU:O	2:B:185:SER:OG	2.29	0.48
25:R:51:LYS:HD2	25:R:63:ASP:HB3	1.96	0.48
27:B:838:CLA:H141	27:B:838:CLA:H161	1.44	0.48
5:E:8:VAL:O	5:E:21:ILE:HA	2.14	0.48
1:A:513:GLY:HA2	1:A:527:PRO:HB3	1.95	0.47
27:A:836:CLA:H191	11:O:114:ILE:HG21	1.96	0.47
2:B:706:LEU:HD23	33:B:842:DGD:HA21	1.96	0.47
1:A:543:PHE:O	1:A:547:VAL:HG12	2.14	0.47
28:B:841:PQN:H222	28:B:841:PQN:H262	1.27	0.47
27:A:839:CLA:H122	29:A:850:LHG:H191	1.97	0.47
2:B:588:TRP:HE1	27:B:801:CLA:H52	1.80	0.47
1:A:116:GLN:NE2	27:A:808:CLA:OBD	2.46	0.47
1:A:574:ARG:NH2	27:A:829:CLA:O1D	2.48	0.47
2:B:476:LEU:HD13	27:B:829:CLA:HMD3	1.97	0.47
4:D:88:ARG:HB3	4:D:96:GLN:HB3	1.97	0.46
2:B:256:PHE:HD1	27:B:814:CLA:HMB2	1.80	0.46
27:A:821:CLA:HBB1	27:O:202:CLA:H71	1.96	0.46
27:B:835:CLA:H92	27:B:835:CLA:H61	1.80	0.46
2:B:300:LEU:HD23	27:B:816:CLA:HED3	1.98	0.46
27:A:807:CLA:H122	27:A:807:CLA:H161	1.71	0.46
27:A:830:CLA:HBA1	27:A:830:CLA:H3A	1.76	0.46
27:A:817:CLA:HBA2	27:A:817:CLA:H3A	1.67	0.46
1:A:178:TRP:HB2	27:A:810:CLA:HMC3	1.98	0.46
2:B:256:PHE:HE2	2:B:492:TRP:HE3	1.64	0.46
2:B:683:ARG:HD2	9:L:16:ASN:HD22	1.81	0.46
27:B:804:CLA:H112	27:B:804:CLA:H152	1.73	0.46
5:E:25:ALA:HB3	5:E:37:VAL:HB	1.98	0.46
6:F:116:LEU:HG	29:J:107:LHG:H132	1.97	0.46
27:A:824:CLA:H172	27:A:824:CLA:H13	1.80	0.45
1:A:332:LYS:HB3	1:A:339:GLY:HA3	1.98	0.45
27:B:820:CLA:H62	27:B:820:CLA:H41	1.52	0.45
9:L:6:LYS:NZ	11:O:37:GLY:H	2.15	0.45
2:B:398:ASP:O	2:B:402:ASN:ND2	2.39	0.45
27:B:816:CLA:HMB2	27:B:820:CLA:HMA3	1.97	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:56:VAL:HG21	27:A:803:CLA:C2D	2.47	0.45
27:B:809:CLA:HHC	27:B:809:CLA:HBB1	1.98	0.45
11:O:33:GLU:HA	11:O:39:PRO:HA	1.98	0.45
1:A:351:TRP:HB3	27:A:804:CLA:HAC1	1.99	0.45
27:A:824:CLA:H62	27:A:824:CLA:H102	1.77	0.45
27:B:834:CLA:H121	27:B:834:CLA:H162	1.83	0.45
9:L:64:LYS:NZ	9:L:145:GLN:O	2.50	0.45
27:A:820:CLA:HMB2	27:A:824:CLA:HMA3	1.99	0.45
27:A:829:CLA:H61	27:A:829:CLA:H41	1.69	0.45
27:A:840:CLA:H111	27:A:840:CLA:H151	1.72	0.44
2:B:139:LEU:HD22	10:M:13:LEU:HD12	2.00	0.44
2:B:483:VAL:HG12	27:B:830:CLA:HMD3	1.99	0.44
27:B:838:CLA:H111	27:B:838:CLA:H142	1.60	0.44
12:K:35:GLY:HA2	12:K:38:VAL:HG22	1.99	0.44
27:B:816:CLA:H102	27:B:822:CLA:H11	1.99	0.44
6:F:162:ILE:HD12	34:F:206:LMG:H111	1.99	0.44
27:F:202:CLA:H101	27:F:202:CLA:H61	1.66	0.44
1:A:482:LYS:HA	1:A:482:LYS:HD3	1.79	0.44
2:B:610:GLU:OE1	6:F:44:ARG:NH2	2.38	0.44
27:A:831:CLA:HBB1	27:A:832:CLA:H2	1.99	0.44
34:J:106:LMG:H452	34:J:106:LMG:H421	1.86	0.44
9:L:6:LYS:HE3	9:L:6:LYS:HB2	1.46	0.44
9:L:146:THR:HB	9:L:149:MET:HB3	2.00	0.44
27:A:820:CLA:H2	27:A:820:CLA:H62	1.60	0.44
27:A:842:CLA:H112	27:A:842:CLA:H142	1.77	0.44
27:B:835:CLA:H41	27:B:835:CLA:H62	1.60	0.44
4:D:135:THR:HG22	4:D:137:LYS:H	1.82	0.44
27:F:203:CLA:HBA1	27:F:203:CLA:H3A	1.38	0.44
2:B:573:ASP:OD1	2:B:705:ARG:NH1	2.51	0.44
27:B:803:CLA:HBA1	27:B:803:CLA:H3A	1.69	0.44
27:B:826:CLA:HBA2	27:B:826:CLA:H3A	1.51	0.44
27:B:829:CLA:HBA2	27:B:830:CLA:HMB3	1.98	0.44
27:B:834:CLA:H112	27:B:835:CLA:H142	1.98	0.44
27:A:853:CLA:H172	6:F:128:GLY:HA2	1.99	0.44
2:B:394:VAL:HG23	2:B:540:ALA:HB1	1.99	0.44
27:A:801:CLA:HAA1	27:B:801:CLA:HMB1	2.00	0.44
27:A:837:CLA:HBA2	27:A:837:CLA:H3A	1.60	0.44
27:B:820:CLA:H143	27:B:820:CLA:H112	1.78	0.44
1:A:516:VAL:HG22	1:A:526:MET:HB2	2.00	0.43
27:A:801:CLA:HED3	27:A:801:CLA:HBD	1.65	0.43
27:F:202:CLA:HBC2	8:J:20:LEU:HD11	2.00	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:710:ILE:HD13	27:B:835:CLA:HED2	1.99	0.43
27:B:801:CLA:H62	27:B:801:CLA:H2	1.69	0.43
27:B:802:CLA:HMC1	27:B:802:CLA:HAC1	1.86	0.43
27:B:836:CLA:H122	27:B:836:CLA:H8	1.81	0.43
1:A:83:ILE:HG12	27:A:808:CLA:H162	2.00	0.43
27:A:818:CLA:HBA2	27:A:818:CLA:H3A	1.74	0.43
2:B:668:GLY:O	2:B:672:GLU:HG3	2.18	0.43
2:B:337:LEU:HD21	27:B:825:CLA:HAB	2.01	0.43
2:B:541:ARG:NH2	4:D:128:ASN:OD1	2.52	0.43
1:A:63:THR:HG21	1:A:68:ASP:HB2	2.00	0.43
4:D:102:ASP:OD1	4:D:102:ASP:N	2.49	0.43
6:F:112:ILE:HG23	29:J:107:LHG:H102	2.01	0.43
27:A:811:CLA:H12	27:A:811:CLA:HBA2	1.87	0.43
27:A:855:CLA:HMC2	27:B:834:CLA:H11	2.00	0.43
2:B:2:THR:HB	7:I:33:ASP:HA	2.00	0.43
2:B:173:ARG:HE	27:B:820:CLA:HMD1	1.83	0.43
27:A:806:CLA:OBD	27:A:856:CLA:HHD	2.19	0.42
27:A:842:CLA:H141	27:A:842:CLA:H161	1.83	0.42
11:O:68:TYR:CZ	11:O:73:LEU:HB2	2.53	0.42
1:A:251:LEU:HD12	1:A:252:MET:N	2.34	0.42
27:A:801:CLA:HMB3	27:A:839:CLA:OBD	2.19	0.42
27:A:807:CLA:HMC3	27:A:808:CLA:HMD2	2.01	0.42
27:A:839:CLA:H51	29:A:850:LHG:HC31	2.00	0.42
27:A:855:CLA:H61	27:A:855:CLA:H41	1.69	0.42
2:B:267:LEU:HD13	27:B:814:CLA:HMA2	2.01	0.42
28:A:843:PQN:H222	28:A:843:PQN:H262	1.25	0.42
2:B:422:SER:HA	2:B:531:LEU:HD11	2.01	0.42
27:B:821:CLA:HMB1	27:B:822:CLA:H193	2.02	0.42
27:A:802:CLA:CBA	27:A:839:CLA:HBB2	2.50	0.42
27:A:804:CLA:HBA1	27:A:804:CLA:H3A	1.69	0.42
27:A:855:CLA:H111	27:B:834:CLA:H62	2.00	0.42
2:B:693:LYS:HE3	2:B:693:LYS:HB3	1.83	0.42
27:B:815:CLA:H61	27:B:815:CLA:H102	1.65	0.42
27:B:836:CLA:H51	27:B:836:CLA:H8	1.82	0.42
27:A:852:CLA:H151	27:B:802:CLA:H202	2.01	0.42
2:B:25:ALA:HB2	33:B:842:DGD:HA62	2.02	0.42
27:L:203:CLA:H162	27:L:203:CLA:H121	1.94	0.42
6:F:154:LEU:HA	6:F:157:VAL:HG22	2.01	0.42
27:A:853:CLA:H62	27:A:853:CLA:H102	1.86	0.42
2:B:364:TYR:HB3	2:B:601:TRP:CZ3	2.55	0.42
1:A:747:LEU:HD23	1:A:747:LEU:HA	1.81	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D:30:LYS:HG2	4:D:89:ILE:HB	2.02	0.41
1:A:32:PRO:HB3	27:A:842:CLA:HAC1	2.01	0.41
2:B:52:HIS:HB2	27:B:803:CLA:HMB2	2.02	0.41
27:B:829:CLA:H2	27:B:829:CLA:H61	1.67	0.41
27:A:802:CLA:HBA1	27:A:802:CLA:H11	1.67	0.41
27:A:839:CLA:H41	27:A:839:CLA:H61	1.77	0.41
2:B:256:PHE:CE2	2:B:492:TRP:HB3	2.55	0.41
29:J:107:LHG:H201	29:J:107:LHG:H171	1.75	0.41
1:A:83:ILE:HG21	27:A:805:CLA:HMD2	2.03	0.41
1:A:607:VAL:HG21	27:A:801:CLA:H202	2.01	0.41
1:A:683:ALA:HB3	27:A:802:CLA:HBB2	2.01	0.41
27:A:838:CLA:H62	27:A:838:CLA:H41	1.91	0.41
27:A:841:CLA:H112	27:A:841:CLA:H151	1.76	0.41
27:L:202:CLA:H3A	27:L:202:CLA:HBA2	1.68	0.41
1:A:446:ILE:HD13	1:A:446:ILE:HA	1.91	0.41
2:B:256:PHE:CE2	2:B:492:TRP:HE3	2.39	0.41
27:B:812:CLA:H12	27:B:812:CLA:H52	1.69	0.41
1:A:320:ILE:HD13	12:K:64:ALA:HB2	2.03	0.41
1:A:371:HIS:HA	1:A:374:TYR:CE2	2.56	0.41
1:A:675:PHE:CZ	1:A:679:HIS:HE1	2.39	0.41
27:A:837:CLA:H91	27:A:837:CLA:H111	1.92	0.41
27:A:842:CLA:HMB2	29:A:844:LHG:H162	2.02	0.41
27:A:855:CLA:H13	27:A:855:CLA:H101	1.84	0.41
27:B:835:CLA:HMC1	27:B:835:CLA:HAC1	1.90	0.41
7:I:30:ILE:HG13	7:I:31:GLU:HG3	2.02	0.41
32:A:854:SF4:FE1	2:B:567:CYS:SG	1.84	0.41
25:R:118:TRP:CD1	25:R:121:HIS:HE1	2.38	0.41
1:A:654:TRP:CZ2	2:B:628:SER:HB3	2.57	0.40
2:B:153:TRP:CD1	10:M:23:ARG:HG2	2.56	0.40
27:B:831:CLA:H51	27:B:831:CLA:H11	1.75	0.40
27:A:805:CLA:HMB2	27:A:829:CLA:HBB2	2.03	0.40
27:A:816:CLA:H122	27:A:816:CLA:H8	1.94	0.40
27:A:827:CLA:H152	27:A:837:CLA:H42	2.02	0.40
27:A:829:CLA:H201	27:A:837:CLA:HMB2	2.02	0.40
27:A:838:CLA:HHC	27:A:838:CLA:HAB	1.89	0.40
27:B:836:CLA:H52	27:B:836:CLA:H11	1.71	0.40
1:A:161:TRP:CE2	27:A:815:CLA:HAA2	2.56	0.40
27:A:823:CLA:H61	27:A:823:CLA:H41	1.81	0.40
27:A:826:CLA:H61	27:A:826:CLA:H2	1.63	0.40
27:B:804:CLA:H61	27:B:804:CLA:H2	1.84	0.40
27:B:831:CLA:HMB2	27:B:833:CLA:HED1	2.02	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:398:TRP:HB3	27:A:827:CLA:HMC3	2.02	0.40
27:B:802:CLA:H72	27:B:802:CLA:H112	1.88	0.40
5:E:30:SER:HB2	5:E:32:ILE:HG12	2.03	0.40
34:J:106:LMG:H191	34:J:106:LMG:H162	1.89	0.40
9:L:136:ILE:HG12	29:L:207:LHG:H101	2.03	0.40
27:A:802:CLA:H91	27:A:802:CLA:H111	1.71	0.40
27:A:840:CLA:HHC	27:A:840:CLA:HBB1	2.03	0.40
4:D:34:THR:O	4:D:84:TYR:HA	2.21	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	740/752 (98%)	720 (97%)	20 (3%)	0	100	100
2	B	731/734 (100%)	705 (96%)	26 (4%)	0	100	100
3	C	78/81 (96%)	76 (97%)	2 (3%)	0	100	100
4	D	137/141 (97%)	133 (97%)	4 (3%)	0	100	100
5	E	58/64 (91%)	56 (97%)	2 (3%)	0	100	100
6	F	159/188 (85%)	156 (98%)	3 (2%)	0	100	100
7	I	32/36 (89%)	32 (100%)	0	0	100	100
8	J	40/42 (95%)	39 (98%)	1 (2%)	0	100	100
9	L	149/153 (97%)	148 (99%)	1 (1%)	0	100	100
10	M	28/30 (93%)	28 (100%)	0	0	100	100
11	O	102/146 (70%)	94 (92%)	8 (8%)	0	100	100
12	K	65/87 (75%)	65 (100%)	0	0	100	100
13	s	152/269 (56%)	145 (95%)	7 (5%)	0	100	100

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
14	c	168/216 (78%)	162 (96%)	6 (4%)	0	100	100
15	a	173/216 (80%)	166 (96%)	7 (4%)	0	100	100
16	b	192/223 (86%)	188 (98%)	4 (2%)	0	100	100
17	h	160/225 (71%)	156 (98%)	4 (2%)	0	100	100
18	f	172/212 (81%)	166 (96%)	6 (4%)	0	100	100
18	j	170/212 (80%)	163 (96%)	7 (4%)	0	100	100
18	m	172/212 (81%)	164 (95%)	8 (5%)	0	100	100
19	e	167/203 (82%)	164 (98%)	3 (2%)	0	100	100
20	l	173/238 (73%)	169 (98%)	4 (2%)	0	100	100
21	k	158/241 (66%)	151 (96%)	7 (4%)	0	100	100
22	i	171/218 (78%)	161 (94%)	9 (5%)	1 (1%)	25	56
23	d	123/213 (58%)	122 (99%)	1 (1%)	0	100	100
24	g	217/255 (85%)	202 (93%)	15 (7%)	0	100	100
25	R	88/129 (68%)	85 (97%)	3 (3%)	0	100	100
26	n	179/219 (82%)	172 (96%)	7 (4%)	0	100	100
All	All	4954/5955 (83%)	4788 (97%)	165 (3%)	1 (0%)	100	100

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
22	i	142	PHE

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	607/616 (98%)	604 (100%)	3 (0%)	88	96
2	B	593/593 (100%)	590 (100%)	3 (0%)	88	96
3	C	67/68 (98%)	67 (100%)	0	100	100

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
4	D	115/117 (98%)	115 (100%)	0	100	100
5	E	55/58 (95%)	54 (98%)	1 (2%)	59	82
6	F	133/157 (85%)	133 (100%)	0	100	100
7	I	28/29 (97%)	28 (100%)	0	100	100
8	J	39/39 (100%)	39 (100%)	0	100	100
9	L	124/126 (98%)	123 (99%)	1 (1%)	81	93
10	M	25/25 (100%)	24 (96%)	1 (4%)	31	62
11	O	81/110 (74%)	78 (96%)	3 (4%)	34	65
12	K	52/66 (79%)	51 (98%)	1 (2%)	57	81
13	s	116/195 (60%)	115 (99%)	1 (1%)	78	92
14	c	138/171 (81%)	137 (99%)	1 (1%)	84	94
15	a	139/165 (84%)	139 (100%)	0	100	100
16	b	149/168 (89%)	145 (97%)	4 (3%)	44	74
17	h	123/162 (76%)	123 (100%)	0	100	100
18	f	135/161 (84%)	132 (98%)	3 (2%)	52	78
18	j	136/161 (84%)	132 (97%)	4 (3%)	42	73
18	m	137/161 (85%)	131 (96%)	6 (4%)	28	59
19	e	130/155 (84%)	130 (100%)	0	100	100
20	l	137/191 (72%)	137 (100%)	0	100	100
21	k	122/186 (66%)	119 (98%)	3 (2%)	47	76
22	i	138/168 (82%)	133 (96%)	5 (4%)	35	66
23	d	97/157 (62%)	94 (97%)	3 (3%)	40	71
24	g	171/199 (86%)	167 (98%)	4 (2%)	50	78
25	R	69/98 (70%)	68 (99%)	1 (1%)	67	86
26	n	140/163 (86%)	135 (96%)	5 (4%)	35	66
All	All	3996/4665 (86%)	3943 (99%)	53 (1%)	70	88

All (53) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	547	VAL
1	A	629	THR
1	A	736	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	B	440	ASP
2	B	442	VAL
2	B	491	ILE
5	E	58	VAL
9	L	6	LYS
10	M	30	GLN
11	O	28	SER
11	O	29	LYS
11	O	30	SER
12	K	36	ARG
13	s	86	GLU
14	c	99	PHE
16	b	51	VAL
16	b	197	ILE
16	b	198	GLU
16	b	213	LEU
18	m	107	VAL
18	m	108	VAL
18	m	123	GLN
18	m	178	GLU
18	m	199	THR
18	m	204	LEU
21	k	90	CYS
21	k	103	GLN
21	k	180	LEU
18	f	169	GLU
18	f	172	LYS
18	f	173	ARG
22	i	79	GLU
22	i	101	VAL
22	i	118	PHE
22	i	120	VAL
22	i	126	TRP
18	j	97	ASP
18	j	100	THR
18	j	123	GLN
18	j	167	ASN
23	d	96	ILE
23	d	99	ASP
23	d	119	LEU
24	g	76	VAL
24	g	114	ASP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
24	g	117	MET
24	g	120	VAL
25	R	98	THR
26	n	41	GLU
26	n	44	ILE
26	n	52	ILE
26	n	62	ASP
26	n	149	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (2) such sidechains are listed below:

Mol	Chain	Res	Type
2	B	438	HIS
26	n	129	HIS

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

407 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
29	LHG	a	319	27	48,48,48	0.90	2 (4%)	51,54,54	1.24	5 (9%)
30	WVN	B	844	-	40,41,41	1.85	13 (32%)	50,56,56	2.30	19 (38%)
27	CLA	O	202	-	65,73,73	1.45	7 (10%)	76,113,113	1.41	9 (11%)
27	CLA	g	303	24	50,58,73	1.55	7 (14%)	58,95,113	1.68	9 (15%)
35	II0	l	317	-	39,43,43	6.94	22 (56%)	50,60,60	2.12	17 (34%)
27	CLA	A	823	-	55,63,73	1.64	8 (14%)	64,101,113	1.47	11 (17%)
37	KC2	s	201	13	48,53,53	2.87	21 (43%)	54,89,89	4.51	34 (62%)
27	CLA	B	801	-	65,73,73	1.47	6 (9%)	76,113,113	1.30	9 (11%)
27	CLA	j	609	29	61,69,73	1.52	9 (14%)	71,108,113	1.73	17 (23%)
27	CLA	L	202	9	49,57,73	1.69	6 (12%)	55,93,113	1.63	7 (12%)
35	II0	n	616	-	39,43,43	6.92	21 (53%)	50,60,60	2.09	15 (30%)
37	KC2	d	309	23	48,53,53	3.13	21 (43%)	54,89,89	4.52	33 (61%)
27	CLA	f	613	-	65,73,73	1.54	7 (10%)	76,113,113	1.53	13 (17%)
27	CLA	g	308	-	65,73,73	1.46	7 (10%)	76,113,113	1.74	13 (17%)
27	CLA	B	812	-	59,67,73	1.52	7 (11%)	68,105,113	1.67	8 (11%)
27	CLA	h	305	-	51,59,73	1.62	6 (11%)	59,96,113	1.60	9 (15%)
27	CLA	m	605	18	42,50,73	1.77	9 (21%)	48,85,113	1.69	14 (29%)
35	II0	g	320	-	39,43,43	6.73	23 (58%)	50,60,60	2.07	16 (32%)
27	CLA	A	834	-	51,59,73	1.66	7 (13%)	59,96,113	1.75	11 (18%)
27	CLA	l	305	-	51,59,73	1.64	6 (11%)	59,96,113	1.57	9 (15%)
27	CLA	f	610	29	65,73,73	1.50	8 (12%)	76,113,113	1.39	11 (14%)
27	CLA	A	856	29	41,49,73	1.86	11 (26%)	47,84,113	2.48	14 (29%)
35	II0	n	618	-	39,43,43	6.89	20 (51%)	50,60,60	2.19	18 (36%)
27	CLA	a	309	15	65,73,73	1.41	7 (10%)	76,113,113	1.55	6 (7%)
36	IHT	c	616	-	40,42,42	6.27	25 (62%)	53,58,58	2.56	16 (30%)
27	CLA	g	307	24	51,59,73	1.65	7 (13%)	59,96,113	1.59	8 (13%)
27	CLA	A	822	-	51,59,73	1.70	9 (17%)	59,96,113	1.50	8 (13%)
27	CLA	i	308	22	51,59,73	1.66	6 (11%)	59,96,113	1.86	16 (27%)
27	CLA	B	833	-	47,55,73	1.63	8 (17%)	54,91,113	1.98	9 (16%)
27	CLA	b	608	29	65,73,73	1.46	6 (9%)	76,113,113	1.49	10 (13%)
29	LHG	A	844	-	47,47,48	0.97	2 (4%)	50,53,54	1.15	3 (6%)
27	CLA	A	824	39	65,73,73	1.41	8 (12%)	76,113,113	1.59	12 (15%)
27	CLA	L	206	39	51,59,73	1.65	7 (13%)	59,96,113	1.60	8 (13%)
27	CLA	m	602	18	56,64,73	1.57	9 (16%)	65,102,113	1.58	11 (16%)
30	WVN	B	843	-	40,41,41	1.93	14 (35%)	50,56,56	2.29	19 (38%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
30	WVN	F	204	-	40,41,41	1.88	14 (35%)	50,56,56	2.40	17 (34%)
27	CLA	e	601	19	45,53,73	1.80	8 (17%)	52,89,113	1.85	8 (15%)
36	IHT	c	620	-	40,42,42	6.16	25 (62%)	53,58,58	2.25	22 (41%)
27	CLA	b	611	-	65,73,73	1.50	8 (12%)	76,113,113	1.26	6 (7%)
27	CLA	B	819	-	53,61,73	1.66	9 (16%)	61,98,113	1.41	7 (11%)
35	II0	b	615	-	39,43,43	6.56	21 (53%)	50,60,60	2.53	21 (42%)
33	DGD	B	842	-	61,61,67	0.90	2 (3%)	75,75,81	1.09	3 (4%)
27	CLA	k	306	-	51,59,73	1.72	7 (13%)	59,96,113	1.62	13 (22%)
35	II0	i	318	-	39,43,43	6.62	23 (58%)	50,60,60	2.21	13 (26%)
27	CLA	e	602	19	50,58,73	1.69	9 (18%)	58,95,113	1.79	9 (15%)
37	KC2	m	610	18	48,53,53	3.16	22 (45%)	54,89,89	4.54	31 (57%)
27	CLA	B	835	-	65,73,73	1.47	7 (10%)	76,113,113	1.69	13 (17%)
27	CLA	A	804	-	65,73,73	1.45	7 (10%)	76,113,113	1.76	11 (14%)
30	WVN	i	315	-	40,41,41	1.89	14 (35%)	50,56,56	2.23	16 (32%)
35	II0	d	314	-	39,43,43	6.86	22 (56%)	50,60,60	2.47	15 (30%)
36	IHT	g	319	-	40,42,42	6.15	25 (62%)	53,58,58	2.24	17 (32%)
27	CLA	n	613	-	51,59,73	1.71	6 (11%)	59,96,113	1.39	9 (15%)
29	LHG	c	618	27	36,36,48	1.14	2 (5%)	39,42,54	1.31	3 (7%)
30	WVN	l	301	-	40,41,41	1.84	12 (30%)	50,56,56	2.16	14 (28%)
27	CLA	A	814	-	50,58,73	1.68	7 (14%)	58,95,113	1.61	8 (13%)
27	CLA	m	604	18	65,73,73	1.54	7 (10%)	76,113,113	1.75	14 (18%)
29	LHG	n	619	-	42,42,48	0.96	2 (4%)	45,48,54	1.37	4 (8%)
30	WVN	s	207	-	40,41,41	1.89	14 (35%)	50,56,56	2.33	13 (26%)
27	CLA	f	607	-	65,73,73	1.58	7 (10%)	76,113,113	1.49	11 (14%)
27	CLA	a	305	-	51,59,73	1.64	7 (13%)	59,96,113	1.55	9 (15%)
27	CLA	A	855	39	65,73,73	1.59	9 (13%)	76,113,113	1.71	16 (21%)
27	CLA	k	305	21	51,59,73	1.67	11 (21%)	59,96,113	1.66	11 (18%)
27	CLA	b	609	-	51,59,73	1.64	7 (13%)	59,96,113	1.77	9 (15%)
35	II0	i	314	-	39,43,43	6.70	22 (56%)	50,60,60	2.45	20 (40%)
27	CLA	A	803	-	55,63,73	1.60	7 (12%)	64,101,113	1.72	11 (17%)
27	CLA	k	304	21	45,53,73	1.74	8 (17%)	52,89,113	2.10	18 (34%)
27	CLA	B	834	39	65,73,73	1.52	10 (15%)	76,113,113	1.38	10 (13%)
34	LMG	O	205	-	26,26,55	1.29	2 (7%)	34,34,63	1.33	4 (11%)
27	CLA	n	602	26	50,58,73	1.66	7 (14%)	58,95,113	1.76	11 (18%)
27	CLA	B	811	-	60,68,73	1.53	7 (11%)	70,107,113	1.55	11 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
27	CLA	c	601	14	51,59,73	1.67	8 (15%)	59,96,113	1.56	11 (18%)
27	CLA	j	601	18	51,59,73	1.75	7 (13%)	59,96,113	1.43	8 (13%)
27	CLA	a	312	-	65,73,73	1.52	8 (12%)	76,113,113	1.60	9 (11%)
27	CLA	b	601	16	51,59,73	1.65	7 (13%)	59,96,113	1.60	9 (15%)
27	CLA	B	829	39	65,73,73	1.46	6 (9%)	76,113,113	1.51	13 (17%)
27	CLA	e	604	39	65,73,73	1.47	8 (12%)	76,113,113	1.73	11 (14%)
27	CLA	b	603	-	65,73,73	1.47	7 (10%)	76,113,113	1.51	10 (13%)
27	CLA	c	605	-	51,59,73	1.71	6 (11%)	59,96,113	1.41	10 (16%)
27	CLA	j	605	18	45,53,73	1.75	8 (17%)	52,89,113	1.73	10 (19%)
27	CLA	B	832	-	65,73,73	1.46	7 (10%)	76,113,113	1.62	12 (15%)
27	CLA	a	308	15	65,73,73	1.51	7 (10%)	76,113,113	1.42	12 (15%)
27	CLA	d	305	-	51,59,73	1.68	7 (13%)	59,96,113	1.74	11 (18%)
29	LHG	c	621	27	36,36,48	1.08	2 (5%)	39,42,54	1.25	3 (7%)
27	CLA	L	203	-	65,73,73	1.48	8 (12%)	76,113,113	1.32	9 (11%)
27	CLA	j	606	18	51,59,73	1.69	9 (17%)	59,96,113	1.88	12 (20%)
27	CLA	A	852	-	65,73,73	1.53	6 (9%)	76,113,113	1.30	7 (9%)
27	CLA	g	309	-	65,73,73	1.48	8 (12%)	76,113,113	1.71	11 (14%)
30	WVN	A	848	-	40,41,41	1.91	13 (32%)	50,56,56	2.57	21 (42%)
37	KC2	n	611	26	48,53,53	3.08	22 (45%)	54,89,89	4.66	32 (59%)
35	II0	e	614	-	39,43,43	6.75	20 (51%)	50,60,60	2.31	16 (32%)
35	II0	e	613	-	39,43,43	6.82	22 (56%)	50,60,60	2.09	14 (28%)
27	CLA	c	602	14	50,58,73	1.70	8 (16%)	58,95,113	1.98	12 (20%)
37	KC2	s	204	-	48,53,53	3.05	20 (41%)	54,89,89	4.43	31 (57%)
27	CLA	B	816	2,39	65,73,73	1.56	6 (9%)	76,113,113	1.64	6 (7%)
27	CLA	B	802	-	65,73,73	1.44	6 (9%)	76,113,113	1.96	13 (17%)
32	SF4	C	102	3	0,12,12	-	-	-	-	-
27	CLA	F	201	39	65,73,73	1.45	7 (10%)	76,113,113	1.45	7 (9%)
35	II0	l	302	-	39,43,43	6.85	22 (56%)	50,60,60	2.35	18 (36%)
30	WVN	I	101	-	40,41,41	1.86	14 (35%)	50,56,56	1.96	12 (24%)
27	CLA	l	306	20	65,73,73	1.45	8 (12%)	76,113,113	1.74	15 (19%)
27	CLA	k	313	-	51,59,73	1.78	8 (15%)	59,96,113	1.49	8 (13%)
35	II0	b	613	-	39,43,43	6.68	23 (58%)	50,60,60	2.00	14 (28%)
37	KC2	c	610	-	48,53,53	3.14	21 (43%)	54,89,89	4.45	30 (55%)
35	II0	c	615	-	39,43,43	6.81	20 (51%)	50,60,60	2.55	21 (42%)
27	CLA	d	306	23	46,54,73	1.79	8 (17%)	53,90,113	1.55	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
27	CLA	g	322	-	65,73,73	1.50	6 (9%)	76,113,113	1.60	11 (14%)
37	KC2	n	612	-	48,53,53	3.09	20 (41%)	54,89,89	4.58	29 (53%)
27	CLA	c	604	14	65,73,73	1.47	7 (10%)	76,113,113	1.51	6 (7%)
27	CLA	k	301	21	50,58,73	1.70	6 (12%)	58,95,113	1.52	8 (13%)
27	CLA	j	604	18	65,73,73	1.52	8 (12%)	76,113,113	1.81	18 (23%)
29	LHG	m	617	27	36,36,48	1.06	2 (5%)	39,42,54	1.24	4 (10%)
27	CLA	A	836	-	65,73,73	1.47	7 (10%)	76,113,113	1.69	13 (17%)
27	CLA	B	831	-	58,66,73	1.52	7 (12%)	67,104,113	1.68	12 (17%)
27	CLA	B	809	-	55,63,73	1.59	9 (16%)	64,101,113	1.65	12 (18%)
35	II0	a	314	-	39,43,43	6.53	22 (56%)	50,60,60	2.28	23 (46%)
27	CLA	e	606	19	65,73,73	1.46	9 (13%)	76,113,113	1.42	7 (9%)
35	II0	a	315	-	39,43,43	6.79	23 (58%)	50,60,60	1.99	18 (36%)
27	CLA	b	604	-	65,73,73	1.44	7 (10%)	76,113,113	1.47	6 (7%)
37	KC2	g	313	37	48,53,53	3.15	22 (45%)	54,89,89	4.55	32 (59%)
27	CLA	h	301	39	65,73,73	1.50	8 (12%)	76,113,113	1.60	12 (15%)
35	II0	b	612	-	39,43,43	6.49	21 (53%)	50,60,60	2.29	20 (40%)
27	CLA	B	805	-	65,73,73	1.35	7 (10%)	76,113,113	1.63	7 (9%)
30	WVN	L	205	-	40,41,41	1.91	14 (35%)	50,56,56	1.98	14 (28%)
31	LMT	b	616	-	24,24,36	1.14	3 (12%)	29,29,47	1.25	3 (10%)
27	CLA	B	838	-	65,73,73	1.51	6 (9%)	76,113,113	1.52	9 (11%)
27	CLA	A	816	-	65,73,73	1.41	7 (10%)	76,113,113	1.66	17 (22%)
27	CLA	A	811	-	54,62,73	1.67	8 (14%)	62,99,113	1.53	10 (16%)
27	CLA	A	812	-	65,73,73	1.43	7 (10%)	76,113,113	1.70	13 (17%)
27	CLA	B	826	-	50,58,73	1.68	9 (18%)	58,95,113	1.49	8 (13%)
29	LHG	A	850	-	37,37,48	1.05	2 (5%)	40,43,54	1.17	3 (7%)
30	WVN	B	845	-	40,41,41	1.87	14 (35%)	50,56,56	2.31	18 (36%)
27	CLA	h	307	17	57,65,73	1.63	5 (8%)	66,103,113	1.34	7 (10%)
27	CLA	B	839	-	65,73,73	1.57	7 (10%)	76,113,113	1.62	15 (19%)
36	IHT	k	317	-	40,42,42	6.15	26 (65%)	53,58,58	2.19	20 (37%)
37	KC2	k	310	21	48,53,53	3.13	21 (43%)	54,89,89	4.61	33 (61%)
27	CLA	l	312	20	65,73,73	1.52	8 (12%)	76,113,113	1.54	11 (14%)
27	CLA	B	818	-	55,63,73	1.63	9 (16%)	64,101,113	1.52	8 (12%)
27	CLA	f	601	18	47,55,73	1.78	6 (12%)	54,91,113	1.46	8 (14%)
30	WVN	A	847	-	40,41,41	1.84	14 (35%)	50,56,56	2.56	18 (36%)
35	II0	f	618	-	39,43,43	6.76	20 (51%)	50,60,60	2.31	19 (38%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
34	LMG	b	619	-	49,49,55	1.00	3 (6%)	57,57,63	1.16	5 (8%)
27	CLA	c	611	14	45,53,73	1.83	7 (15%)	52,89,113	1.64	8 (15%)
35	II0	k	316	-	39,43,43	6.96	21 (53%)	50,60,60	2.19	15 (30%)
27	CLA	i	302	22	51,59,73	1.71	5 (9%)	59,96,113	1.51	8 (13%)
37	KC2	f	611	18	48,53,53	3.11	21 (43%)	54,89,89	4.53	32 (59%)
27	CLA	j	608	18	51,59,73	1.66	7 (13%)	59,96,113	1.67	9 (15%)
27	CLA	e	610	39	65,73,73	1.52	8 (12%)	76,113,113	1.31	8 (10%)
27	CLA	d	301	23	50,58,73	1.62	7 (14%)	58,95,113	1.64	9 (15%)
27	CLA	c	606	-	52,60,73	1.73	8 (15%)	60,97,113	1.75	12 (20%)
27	CLA	m	606	18	65,73,73	1.50	6 (9%)	76,113,113	1.49	10 (13%)
35	II0	m	615	-	39,43,43	6.73	22 (56%)	50,60,60	1.98	14 (28%)
32	SF4	A	854	2,1	0,12,12	-	-	-	-	-
27	CLA	A	825	39	65,73,73	1.44	7 (10%)	76,113,113	1.42	8 (10%)
38	LMU	i	301	-	36,36,36	1.23	3 (8%)	47,47,47	1.43	8 (17%)
27	CLA	e	611	-	65,73,73	1.51	7 (10%)	76,113,113	1.58	14 (18%)
27	CLA	s	202	13	65,73,73	1.54	10 (15%)	76,113,113	1.53	14 (18%)
27	CLA	R	203	-	51,59,73	1.67	6 (11%)	59,96,113	1.80	12 (20%)
27	CLA	e	608	29	46,54,73	1.73	6 (13%)	53,90,113	1.73	10 (18%)
36	IHT	O	204	-	40,42,42	6.13	26 (65%)	53,58,58	2.37	19 (35%)
35	II0	h	312	-	39,43,43	6.74	22 (56%)	50,60,60	2.42	18 (36%)
27	CLA	c	603	-	51,59,73	1.60	7 (13%)	59,96,113	1.77	10 (16%)
27	CLA	O	206	-	65,73,73	1.49	7 (10%)	76,113,113	1.44	11 (14%)
27	CLA	A	827	-	62,70,73	1.47	7 (11%)	72,109,113	1.52	10 (13%)
27	CLA	i	305	22	65,73,73	1.51	6 (9%)	76,113,113	1.39	7 (9%)
27	CLA	b	610	16	65,73,73	1.51	8 (12%)	76,113,113	1.40	9 (11%)
27	CLA	L	204	39	50,58,73	1.76	8 (16%)	58,95,113	1.61	10 (17%)
27	CLA	l	307	20	65,73,73	1.54	10 (15%)	76,113,113	1.71	16 (21%)
27	CLA	A	837	-	65,73,73	1.39	7 (10%)	76,113,113	1.61	11 (14%)
35	II0	O	203	-	39,43,43	6.76	21 (53%)	50,60,60	2.27	16 (32%)
27	CLA	B	806	-	65,73,73	1.53	8 (12%)	76,113,113	1.36	9 (11%)
29	LHG	i	316	27	36,36,48	1.15	2 (5%)	39,42,54	1.53	6 (15%)
27	CLA	i	312	-	51,59,73	1.67	6 (11%)	59,96,113	1.66	10 (16%)
27	CLA	B	849	-	51,59,73	1.67	8 (15%)	59,96,113	1.62	13 (22%)
27	CLA	m	609	29	55,63,73	1.64	9 (16%)	64,101,113	1.65	13 (20%)
27	CLA	h	313	39	65,73,73	1.49	6 (9%)	76,113,113	1.48	8 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
30	WVN	M	101	-	40,41,41	1.89	15 (37%)	50,56,56	2.26	18 (36%)
34	LMG	L	208	-	55,55,55	0.88	2 (3%)	63,63,63	1.55	10 (15%)
27	CLA	F	202	39	65,73,73	1.52	6 (9%)	76,113,113	1.25	8 (10%)
27	CLA	a	307	15	45,53,73	1.77	10 (22%)	52,89,113	1.92	15 (28%)
27	CLA	d	307	23	41,49,73	1.87	7 (17%)	47,84,113	1.82	10 (21%)
37	KC2	i	310	22	48,53,53	3.13	21 (43%)	54,89,89	4.44	32 (59%)
27	CLA	d	304	-	51,59,73	1.72	8 (15%)	59,96,113	1.47	9 (15%)
27	CLA	i	311	22	51,59,73	1.78	9 (17%)	59,96,113	1.84	12 (20%)
37	KC2	i	317	-	48,53,53	3.23	23 (47%)	54,89,89	3.97	30 (55%)
27	CLA	s	206	-	65,73,73	1.50	7 (10%)	76,113,113	1.54	12 (15%)
27	CLA	d	311	-	51,59,73	1.68	6 (11%)	59,96,113	1.74	10 (16%)
27	CLA	b	605	39,27	65,73,73	1.48	10 (15%)	76,113,113	1.48	8 (10%)
36	IHT	m	616	-	40,42,42	6.19	25 (62%)	53,58,58	2.09	16 (30%)
31	LMT	a	320	-	36,36,36	0.40	0	47,47,47	1.06	3 (6%)
27	CLA	i	303	22	50,58,73	1.68	7 (14%)	58,95,113	1.75	14 (24%)
27	CLA	J	103	8	42,50,73	1.75	7 (16%)	48,85,113	1.79	7 (14%)
27	CLA	b	602	16	55,63,73	1.57	7 (12%)	64,101,113	1.67	12 (18%)
27	CLA	h	302	17	50,58,73	1.60	7 (14%)	58,95,113	1.67	10 (17%)
29	LHG	A	845	27	26,26,48	1.25	2 (7%)	29,32,54	1.55	5 (17%)
27	CLA	n	609	26	65,73,73	1.46	7 (10%)	76,113,113	1.68	13 (17%)
35	II0	j	614	-	39,43,43	6.82	23 (58%)	50,60,60	2.21	17 (34%)
30	WVN	e	615	-	40,41,41	1.86	14 (35%)	50,56,56	2.16	14 (28%)
27	CLA	l	310	29	61,69,73	1.52	6 (9%)	71,108,113	1.40	8 (11%)
27	CLA	n	601	26	45,53,73	1.79	6 (13%)	52,89,113	1.54	7 (13%)
27	CLA	m	603	-	65,73,73	1.42	7 (10%)	76,113,113	1.62	13 (17%)
35	II0	h	311	-	39,43,43	6.55	21 (53%)	50,60,60	2.33	25 (50%)
29	LHG	J	107	27	48,48,48	0.92	2 (4%)	51,54,54	0.91	3 (5%)
27	CLA	K	102	-	42,50,73	1.78	9 (21%)	48,85,113	1.82	12 (25%)
35	II0	g	318	-	39,43,43	6.61	20 (51%)	50,60,60	2.30	18 (36%)
27	CLA	A	840	1	65,73,73	1.56	8 (12%)	76,113,113	1.61	11 (14%)
37	KC2	l	311	20	48,53,53	3.12	22 (45%)	54,89,89	4.62	32 (59%)
27	CLA	A	820	39	65,73,73	1.49	8 (12%)	76,113,113	1.60	9 (11%)
35	II0	m	613	-	39,43,43	6.69	22 (56%)	50,60,60	2.06	16 (32%)
35	II0	l	315	-	39,43,43	6.69	22 (56%)	50,60,60	2.32	18 (36%)
27	CLA	A	818	-	65,73,73	1.49	9 (13%)	76,113,113	1.77	16 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
27	CLA	j	611	-	51,59,73	1.66	6 (11%)	59,96,113	1.59	8 (13%)
27	CLA	n	605	26	51,59,73	1.65	8 (15%)	59,96,113	2.00	16 (27%)
34	LMG	s	210	-	55,55,55	0.87	2 (3%)	63,63,63	0.99	3 (4%)
27	CLA	m	608	18	51,59,73	1.66	7 (13%)	59,96,113	1.56	8 (13%)
31	LMT	A	851	-	36,36,36	1.25	4 (11%)	47,47,47	1.41	7 (14%)
27	CLA	B	817	-	46,54,73	1.72	7 (15%)	53,90,113	1.84	9 (16%)
30	WVN	A	846	-	40,41,41	1.85	14 (35%)	50,56,56	2.31	12 (24%)
35	II0	g	317	-	39,43,43	6.74	24 (61%)	50,60,60	2.45	16 (32%)
34	LMG	c	619	-	55,55,55	0.99	2 (3%)	63,63,63	1.51	11 (17%)
27	CLA	K	101	39	51,59,73	1.69	7 (13%)	59,96,113	1.74	12 (20%)
29	LHG	d	315	27	36,36,48	1.11	2 (5%)	39,42,54	1.08	2 (5%)
35	II0	m	614	-	39,43,43	6.67	22 (56%)	50,60,60	2.16	18 (36%)
27	CLA	A	853	-	65,73,73	1.43	7 (10%)	76,113,113	1.47	11 (14%)
27	CLA	A	805	1	65,73,73	1.42	9 (13%)	76,113,113	1.65	10 (13%)
35	II0	j	615	-	39,43,43	6.87	21 (53%)	50,60,60	2.17	11 (22%)
27	CLA	A	819	-	45,53,73	1.88	9 (20%)	52,89,113	1.89	14 (26%)
30	WVN	B	846	-	40,41,41	1.86	14 (35%)	50,56,56	2.36	18 (36%)
27	CLA	l	309	20	51,59,73	1.69	7 (13%)	59,96,113	1.67	11 (18%)
37	KC2	g	314	37	48,53,53	3.16	21 (43%)	54,89,89	4.50	32 (59%)
27	CLA	i	306	-	51,59,73	1.67	5 (9%)	59,96,113	1.61	9 (15%)
37	KC2	k	311	-	48,53,53	3.12	21 (43%)	54,89,89	4.57	34 (62%)
27	CLA	e	607	19	65,73,73	1.44	10 (15%)	76,113,113	1.43	10 (13%)
34	LMG	F	206	-	48,48,55	0.97	2 (4%)	56,56,63	1.25	5 (8%)
27	CLA	j	612	-	65,73,73	1.48	6 (9%)	76,113,113	1.31	8 (10%)
27	CLA	A	828	-	65,73,73	1.43	7 (10%)	76,113,113	1.54	10 (13%)
27	CLA	h	303	17	50,58,73	1.66	7 (14%)	58,95,113	1.70	11 (18%)
27	CLA	B	807	2	65,73,73	1.46	7 (10%)	76,113,113	1.46	8 (10%)
37	KC2	e	609	19	48,53,53	3.13	21 (43%)	54,89,89	4.54	32 (59%)
27	CLA	B	827	-	49,57,73	1.68	6 (12%)	55,93,113	1.67	7 (12%)
27	CLA	j	607	18	45,53,73	1.83	5 (11%)	52,89,113	1.49	6 (11%)
27	CLA	B	814	-	59,67,73	1.58	8 (13%)	68,105,113	1.47	8 (11%)
27	CLA	A	842	-	65,73,73	1.44	7 (10%)	76,113,113	1.63	11 (14%)
27	CLA	b	607	16	65,73,73	1.55	7 (10%)	76,113,113	1.77	15 (19%)
29	LHG	k	319	27	36,36,48	1.13	2 (5%)	39,42,54	1.16	5 (12%)
27	CLA	A	826	-	65,73,73	1.47	7 (10%)	76,113,113	1.81	15 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
27	CLA	B	823	-	65,73,73	1.44	7 (10%)	76,113,113	1.57	10 (13%)
27	CLA	n	604	26	60,68,73	1.60	9 (15%)	70,107,113	1.54	8 (11%)
35	IIO	k	315	-	39,43,43	6.53	23 (58%)	50,60,60	2.39	21 (42%)
35	IIO	J	104	-	39,43,43	6.75	22 (56%)	50,60,60	2.13	14 (28%)
27	CLA	s	209	-	51,59,73	1.69	6 (11%)	59,96,113	1.48	8 (13%)
36	IHT	f	617	-	40,42,42	6.19	26 (65%)	53,58,58	2.28	18 (33%)
27	CLA	B	837	-	57,65,73	1.61	8 (14%)	66,103,113	1.58	12 (18%)
29	LHG	L	207	-	48,48,48	0.90	2 (4%)	51,54,54	1.05	2 (3%)
35	IIO	f	615	-	39,43,43	6.68	22 (56%)	50,60,60	2.32	18 (36%)
27	CLA	J	105	29	51,59,73	1.68	7 (13%)	59,96,113	1.86	16 (27%)
35	IIO	n	614	-	39,43,43	6.76	21 (53%)	50,60,60	2.53	16 (32%)
27	CLA	n	608	26	51,59,73	1.69	9 (17%)	59,96,113	1.50	8 (13%)
27	CLA	A	835	-	65,73,73	1.48	7 (10%)	76,113,113	1.40	12 (15%)
27	CLA	f	605	18	45,53,73	1.82	8 (17%)	52,89,113	1.64	9 (17%)
27	CLA	l	308	20	65,73,73	1.43	6 (9%)	76,113,113	1.49	9 (11%)
27	CLA	j	603	-	51,59,73	1.65	7 (13%)	59,96,113	1.71	10 (16%)
27	CLA	k	309	29	51,59,73	1.77	8 (15%)	59,96,113	2.06	19 (32%)
28	PQN	B	841	-	34,34,34	1.86	5 (14%)	42,45,45	1.29	4 (9%)
27	CLA	f	612	18	51,59,73	1.77	9 (17%)	59,96,113	1.72	13 (22%)
35	IIO	l	314	-	39,43,43	6.76	23 (58%)	50,60,60	2.32	17 (34%)
30	WVN	F	205	-	40,41,41	1.95	15 (37%)	50,56,56	2.86	16 (32%)
27	CLA	i	307	22	61,69,73	1.61	7 (11%)	71,108,113	1.46	8 (11%)
27	CLA	c	608	14	65,73,73	1.50	8 (12%)	76,113,113	1.70	12 (15%)
30	WVN	R	202	-	40,41,41	1.87	14 (35%)	50,56,56	2.53	20 (40%)
36	IHT	a	317	-	40,42,42	6.20	25 (62%)	53,58,58	2.12	17 (32%)
27	CLA	k	308	21	65,73,73	1.55	7 (10%)	76,113,113	1.63	14 (18%)
36	IHT	j	616	-	40,42,42	6.19	26 (65%)	53,58,58	2.26	18 (33%)
27	CLA	A	833	-	50,58,73	1.67	9 (18%)	58,95,113	1.51	7 (12%)
27	CLA	A	807	1	65,73,73	1.47	7 (10%)	76,113,113	1.50	7 (9%)
29	LHG	b	618	-	30,30,48	1.22	2 (6%)	33,36,54	1.22	3 (9%)
27	CLA	B	815	-	57,65,73	1.57	6 (10%)	66,103,113	1.54	9 (13%)
27	CLA	B	813	-	55,63,73	1.54	7 (12%)	64,101,113	1.63	9 (14%)
30	WVN	O	201	-	40,41,41	1.78	13 (32%)	50,56,56	1.85	12 (24%)
27	CLA	n	606	26	51,59,73	1.65	8 (15%)	59,96,113	1.69	10 (16%)
27	CLA	k	307	21	65,73,73	1.51	9 (13%)	76,113,113	1.43	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
27	CLA	s	208	-	51,59,73	1.70	9 (17%)	59,96,113	1.84	15 (25%)
32	SF4	C	101	3	0,12,12	-	-	-		
27	CLA	A	802	-	65,73,73	1.45	7 (10%)	76,113,113	1.69	12 (15%)
27	CLA	g	311	29	54,62,73	1.64	8 (14%)	62,99,113	1.63	10 (16%)
35	II0	j	613	-	39,43,43	6.75	21 (53%)	50,60,60	2.43	21 (42%)
30	WVN	R	201	-	40,41,41	1.87	13 (32%)	50,56,56	2.04	17 (34%)
34	LMG	J	106	-	55,55,55	0.85	2 (3%)	63,63,63	0.99	3 (4%)
27	CLA	A	808	1	65,73,73	1.42	7 (10%)	76,113,113	1.54	12 (15%)
27	CLA	A	831	-	65,73,73	1.51	9 (13%)	76,113,113	1.36	9 (11%)
27	CLA	a	313	-	48,56,73	1.71	7 (14%)	55,92,113	1.35	8 (14%)
27	CLA	m	611	39	51,59,73	1.68	8 (15%)	59,96,113	1.72	15 (25%)
27	CLA	d	303	23	65,73,73	1.57	7 (10%)	76,113,113	1.35	7 (9%)
27	CLA	A	813	-	45,53,73	1.84	8 (17%)	52,89,113	2.52	12 (23%)
27	CLA	g	305	24	65,73,73	1.50	7 (10%)	76,113,113	1.65	8 (10%)
27	CLA	n	610	39	65,73,73	1.56	8 (12%)	76,113,113	1.37	9 (11%)
27	CLA	h	308	17	51,59,73	1.68	8 (15%)	59,96,113	1.87	12 (20%)
30	WVN	L	201	-	40,41,41	1.93	14 (35%)	50,56,56	2.55	15 (30%)
27	CLA	f	608	18	65,73,73	1.54	6 (9%)	76,113,113	1.30	6 (7%)
28	PQN	A	843	-	34,34,34	1.88	5 (14%)	42,45,45	1.30	7 (16%)
27	CLA	g	310	24	51,59,73	1.68	7 (13%)	59,96,113	1.79	12 (20%)
35	II0	d	313	-	39,43,43	6.93	22 (56%)	50,60,60	1.90	14 (28%)
27	CLA	B	821	39	64,72,73	1.40	7 (10%)	74,111,113	1.48	7 (9%)
35	II0	k	314	-	39,43,43	6.75	21 (53%)	50,60,60	2.09	13 (26%)
35	II0	c	613	-	39,43,43	6.77	23 (58%)	50,60,60	2.28	17 (34%)
27	CLA	B	820	39	65,73,73	1.50	7 (10%)	76,113,113	1.57	11 (14%)
27	CLA	m	601	18	42,50,73	1.88	6 (14%)	48,85,113	1.45	7 (14%)
35	II0	c	614	-	39,43,43	6.72	20 (51%)	50,60,60	2.51	19 (38%)
27	CLA	B	810	-	65,73,73	1.44	7 (10%)	76,113,113	1.67	18 (23%)
36	IHT	n	617	-	40,42,42	6.24	25 (62%)	53,58,58	2.40	20 (37%)
35	II0	h	310	-	26,28,43	6.03	12 (46%)	31,37,60	2.50	13 (41%)
27	CLA	g	304	-	51,59,73	1.67	7 (13%)	59,96,113	1.67	12 (20%)
29	LHG	f	619	-	48,48,48	0.90	2 (4%)	51,54,54	1.03	3 (5%)
31	LMT	a	302	-	24,24,36	1.19	3 (12%)	29,29,47	0.96	0
27	CLA	e	605	19	65,73,73	1.46	9 (13%)	76,113,113	1.56	11 (14%)
27	CLA	A	815	39	45,53,73	1.69	8 (17%)	52,89,113	2.03	7 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
27	CLA	A	829	-	65,73,73	1.50	8 (12%)	76,113,113	1.56	9 (11%)
27	CLA	l	304	20	65,73,73	1.47	9 (13%)	76,113,113	1.59	14 (18%)
27	CLA	B	808	-	54,62,73	1.69	7 (12%)	67,100,113	1.31	8 (11%)
27	CLA	l	303	20	47,55,73	1.75	9 (19%)	54,91,113	1.60	7 (12%)
27	CLA	B	836	-	65,73,73	1.37	6 (9%)	76,113,113	1.69	12 (15%)
35	II0	c	617	-	39,43,43	6.74	21 (53%)	50,60,60	2.46	15 (30%)
37	KC2	g	312	24	48,53,53	3.14	21 (43%)	54,89,89	4.49	31 (57%)
30	WVN	B	848	-	40,41,41	1.85	14 (35%)	50,56,56	2.50	22 (44%)
27	CLA	A	821	-	49,57,73	1.67	7 (14%)	55,93,113	1.79	9 (16%)
30	WVN	J	102	-	40,41,41	1.94	14 (35%)	50,56,56	2.05	15 (30%)
27	CLA	A	809	-	56,64,73	1.59	7 (12%)	65,102,113	1.58	7 (10%)
27	CLA	s	203	13,27	65,73,73	1.43	9 (13%)	76,113,113	1.60	13 (17%)
27	CLA	B	828	-	50,58,73	1.80	9 (18%)	58,95,113	1.65	12 (20%)
27	CLA	A	841	-	65,73,73	1.45	7 (10%)	76,113,113	1.48	9 (11%)
27	CLA	f	609	18	65,73,73	1.46	7 (10%)	76,113,113	1.38	8 (10%)
35	II0	a	316	-	39,43,43	6.82	21 (53%)	50,60,60	2.04	14 (28%)
27	CLA	B	830	39	45,53,73	1.75	10 (22%)	52,89,113	1.75	8 (15%)
27	CLA	d	308	29	41,49,73	1.84	6 (14%)	47,84,113	1.84	11 (23%)
27	CLA	B	822	-	65,73,73	1.49	8 (12%)	76,113,113	1.69	17 (22%)
27	CLA	m	612	-	43,51,73	1.77	8 (18%)	49,86,113	1.85	14 (28%)
27	CLA	f	606	18	51,59,73	1.72	8 (15%)	59,96,113	1.65	11 (18%)
35	II0	n	615	-	39,43,43	6.79	23 (58%)	50,60,60	2.07	15 (30%)
37	KC2	k	312	-	48,53,53	3.15	22 (45%)	54,89,89	4.51	32 (59%)
30	WVN	K	103	-	40,41,41	1.86	14 (35%)	50,56,56	1.86	15 (30%)
27	CLA	A	838	29	52,60,73	1.58	8 (15%)	60,97,113	1.74	9 (15%)
27	CLA	m	607	18	65,73,73	1.50	8 (12%)	76,113,113	1.43	10 (13%)
27	CLA	A	830	-	50,58,73	1.65	9 (18%)	58,95,113	1.72	8 (13%)
27	CLA	a	311	15	65,73,73	1.42	6 (9%)	76,113,113	1.71	10 (13%)
27	CLA	A	839	39	65,73,73	1.50	7 (10%)	76,113,113	1.30	9 (11%)
35	II0	i	313	-	39,43,43	6.82	24 (61%)	50,60,60	2.13	15 (30%)
29	LHG	l	318	27	31,31,48	1.16	2 (6%)	34,37,54	1.25	4 (11%)
27	CLA	i	304	-	51,59,73	1.69	6 (11%)	59,96,113	1.57	7 (11%)
27	CLA	A	810	-	62,70,73	1.54	8 (12%)	72,109,113	1.27	7 (9%)
30	WVN	B	847	-	40,41,41	1.89	14 (35%)	50,56,56	1.87	13 (26%)
27	CLA	B	804	-	65,73,73	1.46	8 (12%)	76,113,113	1.48	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
35	II0	g	316	-	39,43,43	6.70	22 (56%)	50,60,60	2.37	17 (34%)
27	CLA	A	832	-	65,73,73	1.44	8 (12%)	76,113,113	1.78	16 (21%)
30	WVN	l	316	-	40,41,41	1.89	14 (35%)	50,56,56	2.40	16 (32%)
35	II0	k	318	-	39,43,43	6.58	20 (51%)	50,60,60	2.45	25 (50%)
36	IHT	R	204	-	40,42,42	6.27	25 (62%)	53,58,58	2.27	19 (35%)
30	WVN	A	849	-	40,41,41	1.86	14 (35%)	50,56,56	1.99	13 (26%)
27	CLA	a	306	39	65,73,73	1.44	7 (10%)	76,113,113	1.61	12 (15%)
27	CLA	k	303	-	65,73,73	1.49	8 (12%)	76,113,113	1.57	9 (11%)
29	LHG	g	301	27	36,36,48	1.14	2 (5%)	39,42,54	1.43	5 (12%)
27	CLA	B	840	29	65,73,73	1.43	6 (9%)	76,113,113	1.51	11 (14%)
27	CLA	a	310	29	48,56,73	1.67	9 (18%)	55,92,113	1.54	9 (16%)
27	CLA	B	825	-	51,59,73	1.68	9 (17%)	59,96,113	1.64	10 (16%)
27	CLA	j	602	18	50,58,73	1.57	9 (18%)	58,95,113	1.80	9 (15%)
27	CLA	c	609	29	45,53,73	1.77	6 (13%)	52,89,113	1.63	10 (19%)
27	CLA	a	303	15	52,60,73	1.68	7 (13%)	60,97,113	1.84	12 (20%)
36	IHT	b	614	-	40,42,42	6.32	26 (65%)	53,58,58	2.31	19 (35%)
27	CLA	g	306	24	51,59,73	1.69	8 (15%)	59,96,113	1.53	10 (16%)
35	II0	f	616	-	39,43,43	6.64	21 (53%)	50,60,60	2.45	18 (36%)
27	CLA	e	603	19	51,59,73	1.67	6 (11%)	59,96,113	1.64	8 (13%)
27	CLA	B	803	-	65,73,73	1.40	7 (10%)	76,113,113	1.66	11 (14%)
27	CLA	f	603	-	51,59,73	1.62	6 (11%)	59,96,113	1.59	10 (16%)
35	II0	d	312	-	39,43,43	6.75	23 (58%)	50,60,60	2.31	20 (40%)
37	KC2	j	610	18	48,53,53	3.11	21 (43%)	54,89,89	4.52	33 (61%)
27	CLA	a	304	15	50,58,73	1.62	7 (14%)	58,95,113	1.66	8 (13%)
27	CLA	n	603	-	51,59,73	1.72	8 (15%)	59,96,113	1.60	10 (16%)
37	KC2	d	310	-	48,53,53	3.05	21 (43%)	54,89,89	4.38	32 (59%)
27	CLA	g	302	24	42,50,73	1.73	7 (16%)	48,85,113	1.99	11 (22%)
27	CLA	A	801	-	65,73,73	1.49	6 (9%)	76,113,113	1.27	10 (13%)
27	CLA	n	607	-	65,73,73	1.47	8 (12%)	76,113,113	1.55	12 (15%)
27	CLA	B	824	-	65,73,73	1.45	7 (10%)	76,113,113	1.51	9 (11%)
27	CLA	f	604	18	65,73,73	1.46	8 (12%)	76,113,113	1.61	9 (11%)
27	CLA	F	203	6	52,60,73	1.65	8 (15%)	60,97,113	1.59	9 (15%)
27	CLA	A	806	-	65,73,73	1.50	8 (12%)	76,113,113	1.49	12 (15%)
27	CLA	g	315	-	51,59,73	1.72	7 (13%)	59,96,113	1.58	10 (16%)
27	CLA	A	817	-	65,73,73	1.52	9 (13%)	76,113,113	1.44	9 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
29	LHG	j	617	27	29,29,48	1.22	2 (6%)	32,35,54	1.50	6 (18%)
27	CLA	h	304	-	51,59,73	1.63	8 (15%)	59,96,113	1.86	12 (20%)
35	IIO	f	614	-	39,43,43	6.71	22 (56%)	50,60,60	2.16	17 (34%)
30	WVN	s	205	-	40,41,41	1.91	13 (32%)	50,56,56	2.33	18 (36%)
35	IIO	e	612	-	39,43,43	6.76	22 (56%)	50,60,60	2.27	13 (26%)
35	IIO	l	313	-	39,43,43	6.71	21 (53%)	50,60,60	2.04	15 (30%)
29	LHG	e	617	27	36,36,48	1.10	2 (5%)	39,42,54	1.41	4 (10%)
29	LHG	g	321	27	36,36,48	1.12	2 (5%)	39,42,54	1.50	7 (17%)
27	CLA	c	612	-	65,73,73	1.46	5 (7%)	76,113,113	1.56	9 (11%)
27	CLA	d	302	-	51,59,73	1.59	6 (11%)	59,96,113	1.54	7 (11%)
35	IIO	e	616	-	39,43,43	6.81	22 (56%)	50,60,60	2.03	15 (30%)
27	CLA	f	602	18	65,73,73	1.47	9 (13%)	76,113,113	1.50	13 (17%)
30	WVN	J	101	-	40,41,41	1.84	14 (35%)	50,56,56	2.10	17 (34%)
27	CLA	c	607	14	46,54,73	1.76	6 (13%)	53,90,113	1.47	8 (15%)
27	CLA	h	306	17	65,73,73	1.51	8 (12%)	76,113,113	1.42	9 (11%)
29	LHG	a	301	27	48,48,48	0.91	2 (4%)	51,54,54	1.13	4 (7%)
27	CLA	b	606	16	61,69,73	1.58	9 (14%)	71,108,113	1.47	12 (16%)
35	IIO	a	318	-	39,43,43	6.95	22 (56%)	50,60,60	2.62	19 (38%)
27	CLA	k	302	-	51,59,73	1.64	7 (13%)	59,96,113	1.66	11 (18%)
30	WVN	h	309	-	40,41,41	1.86	13 (32%)	50,56,56	2.43	21 (42%)
29	LHG	b	617	27	48,48,48	0.88	4 (8%)	51,54,54	1.19	4 (7%)
27	CLA	i	309	29	46,54,73	1.70	8 (17%)	53,90,113	1.85	13 (24%)

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
29	LHG	a	319	27	-	15/53/53/53	-
30	WVN	B	844	-	-	0/29/63/63	0/2/2/2
27	CLA	O	202	-	1/1/15/20	15/37/115/115	-
27	CLA	g	303	24	1/1/12/20	4/19/97/115	-
35	IIO	l	317	-	-	5/21/67/67	0/2/2/2
27	CLA	A	823	-	1/1/13/20	4/25/103/115	-
37	KC2	s	201	13	-	7/15/71/71	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	B	801	-	1/1/15/20	20/37/115/115	-
27	CLA	j	609	29	1/1/14/20	17/33/111/115	-
27	CLA	L	202	9	1/1/11/20	9/18/96/115	-
35	II0	n	616	-	-	4/21/67/67	0/2/2/2
37	KC2	d	309	23	-	6/15/71/71	-
27	CLA	f	613	-	-	21/37/115/115	-
27	CLA	g	308	-	1/1/15/20	17/37/115/115	-
27	CLA	B	812	-	1/1/13/20	12/30/108/115	-
27	CLA	h	305	-	1/1/12/20	6/21/99/115	-
27	CLA	m	605	18	1/1/10/20	5/10/88/115	-
35	II0	g	320	-	-	3/21/67/67	0/2/2/2
27	CLA	A	834	-	1/1/12/20	3/21/99/115	-
27	CLA	l	305	-	1/1/12/20	3/21/99/115	-
27	CLA	f	610	29	1/1/15/20	15/37/115/115	-
27	CLA	A	856	29	1/1/10/20	4/8/86/115	-
35	II0	n	618	-	-	6/21/67/67	0/2/2/2
27	CLA	a	309	15	1/1/15/20	11/37/115/115	-
36	IHT	c	616	-	-	9/25/65/65	0/2/2/2
27	CLA	g	307	24	-	6/21/99/115	-
27	CLA	A	822	-	1/1/12/20	6/21/99/115	-
27	CLA	i	308	22	1/1/12/20	3/21/99/115	-
27	CLA	B	833	-	1/1/11/20	0/16/94/115	-
27	CLA	b	608	29	1/1/15/20	13/37/115/115	-
29	LHG	A	844	-	-	6/52/52/53	-
27	CLA	A	824	39	1/1/15/20	12/37/115/115	-
27	CLA	L	206	39	1/1/12/20	5/21/99/115	-
27	CLA	m	602	18	1/1/13/20	8/27/105/115	-
30	WVN	B	843	-	-	10/29/63/63	0/2/2/2
30	WVN	F	204	-	-	9/29/63/63	0/2/2/2
27	CLA	e	601	19	1/1/11/20	5/13/91/115	-
36	IHT	c	620	-	-	11/25/65/65	0/2/2/2
27	CLA	b	611	-	1/1/15/20	21/37/115/115	-
27	CLA	B	819	-	1/1/12/20	6/23/101/115	-
35	II0	b	615	-	-	2/21/67/67	0/2/2/2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	DGD	B	842	-	-	5/49/89/95	0/2/2/2
27	CLA	k	306	-	1/1/12/20	8/21/99/115	-
35	II0	i	318	-	-	5/21/67/67	0/2/2/2
27	CLA	e	602	19	1/1/12/20	8/19/97/115	-
37	KC2	m	610	18	-	6/15/71/71	-
27	CLA	B	835	-	1/1/15/20	24/37/115/115	-
27	CLA	A	804	-	1/1/15/20	9/37/115/115	-
30	WVN	i	315	-	-	9/29/63/63	0/2/2/2
35	II0	d	314	-	-	6/21/67/67	0/2/2/2
36	IHT	g	319	-	-	6/25/65/65	0/2/2/2
27	CLA	n	613	-	1/1/12/20	10/21/99/115	-
29	LHG	c	618	27	-	14/41/41/53	-
30	WVN	l	301	-	-	3/29/63/63	0/2/2/2
27	CLA	A	814	-	1/1/12/20	9/19/97/115	-
27	CLA	m	604	18	-	16/37/115/115	-
29	LHG	n	619	-	-	16/47/47/53	-
30	WVN	s	207	-	-	6/29/63/63	0/2/2/2
27	CLA	f	607	-	1/1/15/20	18/37/115/115	-
27	CLA	a	305	-	1/1/12/20	4/21/99/115	-
27	CLA	A	855	39	1/1/15/20	16/37/115/115	-
27	CLA	k	305	21	1/1/12/20	10/21/99/115	-
27	CLA	b	609	-	-	5/21/99/115	-
35	II0	i	314	-	-	5/21/67/67	0/2/2/2
27	CLA	A	803	-	1/1/13/20	7/25/103/115	-
27	CLA	k	304	21	1/1/11/20	4/13/91/115	-
27	CLA	B	834	39	1/1/15/20	14/37/115/115	-
34	LMG	O	205	-	-	7/21/41/70	0/1/1/1
27	CLA	n	602	26	1/1/12/20	4/19/97/115	-
27	CLA	B	811	-	1/1/14/20	12/31/109/115	-
27	CLA	c	601	14	1/1/12/20	9/21/99/115	-
27	CLA	j	601	18	1/1/12/20	5/21/99/115	-
27	CLA	a	312	-	-	18/37/115/115	-
27	CLA	b	601	16	1/1/12/20	7/21/99/115	-
27	CLA	B	829	39	1/1/15/20	12/37/115/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	e	604	39	-	22/37/115/115	-
27	CLA	b	603	-	1/1/15/20	15/37/115/115	-
27	CLA	c	605	-	1/1/12/20	11/21/99/115	-
27	CLA	j	605	18	-	6/13/91/115	-
27	CLA	B	832	-	1/1/15/20	11/37/115/115	-
27	CLA	a	308	15	1/1/15/20	20/37/115/115	-
27	CLA	d	305	-	1/1/12/20	10/21/99/115	-
29	LHG	c	621	27	-	25/41/41/53	-
27	CLA	L	203	-	-	12/37/115/115	-
27	CLA	j	606	18	-	10/21/99/115	-
27	CLA	A	852	-	1/1/15/20	7/37/115/115	-
27	CLA	g	309	-	1/1/15/20	9/37/115/115	-
30	WVN	A	848	-	-	8/29/63/63	0/2/2/2
37	KC2	n	611	26	-	4/15/71/71	-
35	II0	e	614	-	-	5/21/67/67	0/2/2/2
35	II0	e	613	-	-	5/21/67/67	0/2/2/2
27	CLA	c	602	14	1/1/12/20	10/19/97/115	-
37	KC2	s	204	-	-	5/15/71/71	-
27	CLA	B	816	2,39	1/1/15/20	9/37/115/115	-
27	CLA	B	802	-	1/1/15/20	7/37/115/115	-
32	SF4	C	102	3	-	-	0/6/5/5
27	CLA	F	201	39	1/1/15/20	19/37/115/115	-
35	II0	l	302	-	-	8/21/67/67	0/2/2/2
30	WVN	I	101	-	-	9/29/63/63	0/2/2/2
27	CLA	l	306	20	-	18/37/115/115	-
27	CLA	k	313	-	1/1/12/20	9/21/99/115	-
35	II0	b	613	-	-	9/21/67/67	0/2/2/2
37	KC2	c	610	-	-	8/15/71/71	-
35	II0	c	615	-	-	2/21/67/67	0/2/2/2
27	CLA	d	306	23	1/1/11/20	3/15/93/115	-
27	CLA	g	322	-	1/1/15/20	17/37/115/115	-
37	KC2	n	612	-	-	7/15/71/71	-
27	CLA	c	604	14	-	7/37/115/115	-
27	CLA	k	301	21	1/1/12/20	5/19/97/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	j	604	18	1/1/15/20	17/37/115/115	-
29	LHG	m	617	27	-	18/41/41/53	-
27	CLA	A	836	-	-	9/37/115/115	-
27	CLA	B	831	-	1/1/13/20	8/29/107/115	-
27	CLA	B	809	-	1/1/13/20	5/25/103/115	-
35	II0	a	314	-	-	5/21/67/67	0/2/2/2
27	CLA	e	606	19	1/1/15/20	21/37/115/115	-
35	II0	a	315	-	-	4/21/67/67	0/2/2/2
27	CLA	b	604	-	-	16/37/115/115	-
37	KC2	g	313	37	-	3/15/71/71	-
27	CLA	h	301	39	1/1/15/20	11/37/115/115	-
35	II0	b	612	-	-	2/21/67/67	0/2/2/2
27	CLA	B	805	-	1/1/15/20	11/37/115/115	-
30	WVN	L	205	-	-	6/29/63/63	0/2/2/2
31	LMT	b	616	-	-	9/15/35/61	0/1/1/2
27	CLA	B	838	-	1/1/15/20	20/37/115/115	-
27	CLA	A	816	-	1/1/15/20	17/37/115/115	-
27	CLA	B	826	-	1/1/12/20	8/19/97/115	-
27	CLA	A	812	-	1/1/15/20	22/37/115/115	-
27	CLA	A	811	-	-	8/24/102/115	-
29	LHG	A	850	-	-	16/42/42/53	-
30	WVN	B	845	-	-	11/29/63/63	0/2/2/2
27	CLA	h	307	17	1/1/13/20	12/28/106/115	-
27	CLA	B	839	-	1/1/15/20	12/37/115/115	-
36	IHT	k	317	-	-	7/25/65/65	0/2/2/2
37	KC2	k	310	21	-	8/15/71/71	-
27	CLA	l	312	20	1/1/15/20	12/37/115/115	-
27	CLA	B	818	-	1/1/13/20	9/25/103/115	-
27	CLA	f	601	18	1/1/11/20	5/16/94/115	-
30	WVN	A	847	-	-	11/29/63/63	0/2/2/2
35	II0	f	618	-	-	7/21/67/67	0/2/2/2
34	LMG	b	619	-	-	16/44/64/70	0/1/1/1
27	CLA	c	611	14	-	7/13/91/115	-
35	II0	k	316	-	-	1/21/67/67	0/2/2/2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	i	302	22	1/1/12/20	7/21/99/115	-
37	KC2	f	611	18	-	6/15/71/71	-
27	CLA	j	608	18	1/1/12/20	2/21/99/115	-
27	CLA	e	610	39	1/1/15/20	12/37/115/115	-
27	CLA	d	301	23	1/1/12/20	3/19/97/115	-
27	CLA	c	606	-	-	11/22/100/115	-
27	CLA	m	606	18	1/1/15/20	12/37/115/115	-
35	II0	m	615	-	-	3/21/67/67	0/2/2/2
32	SF4	A	854	2,1	-	-	0/6/5/5
27	CLA	A	825	39	-	8/37/115/115	-
38	LMU	i	301	-	-	8/21/61/61	0/2/2/2
27	CLA	e	611	-	-	13/37/115/115	-
27	CLA	s	202	13	1/1/15/20	14/37/115/115	-
27	CLA	R	203	-	1/1/12/20	6/21/99/115	-
27	CLA	e	608	29	1/1/11/20	7/15/93/115	-
36	IHT	O	204	-	-	10/25/65/65	0/2/2/2
35	II0	h	312	-	-	5/21/67/67	0/2/2/2
27	CLA	c	603	-	1/1/12/20	5/21/99/115	-
27	CLA	O	206	-	1/1/15/20	15/37/115/115	-
27	CLA	A	827	-	1/1/14/20	10/34/112/115	-
27	CLA	i	305	22	1/1/15/20	11/37/115/115	-
27	CLA	b	610	16	1/1/15/20	19/37/115/115	-
27	CLA	L	204	39	1/1/12/20	6/19/97/115	-
27	CLA	l	307	20	1/1/15/20	14/37/115/115	-
27	CLA	A	837	-	1/1/15/20	11/37/115/115	-
35	II0	O	203	-	-	4/21/67/67	0/2/2/2
27	CLA	B	806	-	1/1/15/20	11/37/115/115	-
29	LHG	i	316	27	-	12/41/41/53	-
27	CLA	i	312	-	1/1/12/20	5/21/99/115	-
27	CLA	B	849	-	-	8/21/99/115	-
27	CLA	m	609	29	1/1/13/20	12/25/103/115	-
27	CLA	h	313	39	1/1/15/20	11/37/115/115	-
30	WVN	M	101	-	-	7/29/63/63	0/2/2/2
34	LMG	L	208	-	-	19/50/70/70	0/1/1/1

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	F	202	39	1/1/15/20	13/37/115/115	-
27	CLA	a	307	15	-	4/13/91/115	-
27	CLA	d	307	23	-	2/8/86/115	-
37	KC2	i	310	22	-	9/15/71/71	-
27	CLA	d	304	-	-	5/21/99/115	-
27	CLA	i	311	22	1/1/12/20	7/21/99/115	-
37	KC2	i	317	-	-	8/15/71/71	-
27	CLA	s	206	-	1/1/15/20	12/37/115/115	-
27	CLA	d	311	-	-	8/21/99/115	-
27	CLA	b	605	39,27	1/1/15/20	11/37/115/115	-
36	IHT	m	616	-	-	4/25/65/65	0/2/2/2
31	LMT	a	320	-	-	13/21/61/61	0/2/2/2
27	CLA	i	303	22	1/1/12/20	9/19/97/115	-
27	CLA	J	103	8	1/1/10/20	4/10/88/115	-
27	CLA	b	602	16	1/1/13/20	10/25/103/115	-
27	CLA	h	302	17	1/1/12/20	8/19/97/115	-
29	LHG	A	845	27	-	6/31/31/53	-
27	CLA	n	609	26	1/1/15/20	12/37/115/115	-
35	II0	j	614	-	-	2/21/67/67	0/2/2/2
30	WVN	e	615	-	-	11/29/63/63	0/2/2/2
27	CLA	l	310	29	1/1/14/20	13/33/111/115	-
27	CLA	n	601	26	1/1/11/20	7/13/91/115	-
27	CLA	m	603	-	1/1/15/20	10/37/115/115	-
35	II0	h	311	-	-	8/21/67/67	0/2/2/2
29	LHG	J	107	27	-	28/53/53/53	-
27	CLA	K	102	-	1/1/10/20	5/10/88/115	-
35	II0	g	318	-	-	3/21/67/67	0/2/2/2
27	CLA	A	840	1	-	18/37/115/115	-
37	KC2	l	311	20	-	4/15/71/71	-
27	CLA	A	820	39	1/1/15/20	3/37/115/115	-
35	II0	m	613	-	-	4/21/67/67	0/2/2/2
35	II0	l	315	-	-	5/21/67/67	0/2/2/2
27	CLA	A	818	-	1/1/15/20	18/37/115/115	-
27	CLA	j	611	-	1/1/12/20	7/21/99/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	n	605	26	1/1/12/20	8/21/99/115	-
34	LMG	s	210	-	-	11/50/70/70	0/1/1/1
27	CLA	m	608	18	1/1/12/20	5/21/99/115	-
31	LMT	A	851	-	-	13/21/61/61	0/2/2/2
27	CLA	B	817	-	-	5/15/93/115	-
30	WVN	A	846	-	-	7/29/63/63	0/2/2/2
35	II0	g	317	-	-	3/21/67/67	0/2/2/2
34	LMG	c	619	-	-	21/50/70/70	0/1/1/1
27	CLA	K	101	39	1/1/12/20	7/21/99/115	-
29	LHG	d	315	27	-	15/41/41/53	-
35	II0	m	614	-	-	8/21/67/67	0/2/2/2
27	CLA	A	853	-	1/1/15/20	10/37/115/115	-
27	CLA	A	805	1	1/1/15/20	9/37/115/115	-
35	II0	j	615	-	-	9/21/67/67	0/2/2/2
27	CLA	A	819	-	1/1/11/20	4/13/91/115	-
30	WVN	B	846	-	-	7/29/63/63	0/2/2/2
27	CLA	l	309	20	1/1/12/20	7/21/99/115	-
37	KC2	g	314	37	-	6/15/71/71	-
27	CLA	i	306	-	1/1/12/20	3/21/99/115	-
37	KC2	k	311	-	-	9/15/71/71	-
27	CLA	e	607	19	1/1/15/20	21/37/115/115	-
34	LMG	F	206	-	-	11/43/63/70	0/1/1/1
27	CLA	j	612	-	1/1/15/20	15/37/115/115	-
27	CLA	A	828	-	1/1/15/20	11/37/115/115	-
27	CLA	h	303	17	1/1/12/20	8/19/97/115	-
27	CLA	B	807	2	1/1/15/20	11/37/115/115	-
37	KC2	e	609	19	-	7/15/71/71	-
27	CLA	B	827	-	1/1/11/20	4/18/96/115	-
27	CLA	j	607	18	1/1/11/20	5/13/91/115	-
27	CLA	B	814	-	1/1/13/20	3/30/108/115	-
27	CLA	A	842	-	1/1/15/20	16/37/115/115	-
27	CLA	b	607	16	1/1/15/20	18/37/115/115	-
29	LHG	k	319	27	-	12/41/41/53	-
27	CLA	A	826	-	1/1/15/20	10/37/115/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	B	823	-	1/1/15/20	13/37/115/115	-
27	CLA	n	604	26	1/1/14/20	12/31/109/115	-
35	II0	k	315	-	-	8/21/67/67	0/2/2/2
35	II0	J	104	-	-	8/21/67/67	0/2/2/2
27	CLA	s	209	-	1/1/12/20	5/21/99/115	-
36	IHT	f	617	-	-	7/25/65/65	0/2/2/2
27	CLA	B	837	-	1/1/13/20	7/28/106/115	-
29	LHG	L	207	-	-	20/53/53/53	-
35	II0	f	615	-	-	5/21/67/67	0/2/2/2
27	CLA	J	105	29	1/1/12/20	6/21/99/115	-
35	II0	n	614	-	-	1/21/67/67	0/2/2/2
27	CLA	n	608	26	1/1/12/20	5/21/99/115	-
27	CLA	A	835	-	1/1/15/20	14/37/115/115	-
27	CLA	f	605	18	-	4/13/91/115	-
27	CLA	l	308	20	1/1/15/20	11/37/115/115	-
27	CLA	j	603	-	1/1/12/20	4/21/99/115	-
27	CLA	k	309	29	1/1/12/20	12/21/99/115	-
28	PQN	B	841	-	-	10/23/43/43	0/2/2/2
27	CLA	f	612	18	1/1/12/20	8/21/99/115	-
35	II0	l	314	-	-	7/21/67/67	0/2/2/2
30	WVN	F	205	-	-	12/29/63/63	0/2/2/2
27	CLA	i	307	22	1/1/14/20	13/33/111/115	-
27	CLA	c	608	14	1/1/15/20	16/37/115/115	-
30	WVN	R	202	-	-	10/29/63/63	0/2/2/2
36	IHT	a	317	-	-	5/25/65/65	0/2/2/2
27	CLA	k	308	21	1/1/15/20	13/37/115/115	-
36	IHT	j	616	-	-	7/25/65/65	0/2/2/2
27	CLA	A	833	-	1/1/12/20	4/19/97/115	-
27	CLA	A	807	1	1/1/15/20	7/37/115/115	-
29	LHG	b	618	-	-	16/35/35/53	-
27	CLA	B	815	-	-	7/28/106/115	-
27	CLA	B	813	-	1/1/13/20	5/25/103/115	-
30	WVN	O	201	-	-	9/29/63/63	0/2/2/2
27	CLA	n	606	26	1/1/12/20	5/21/99/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	k	307	21	1/1/15/20	14/37/115/115	-
27	CLA	s	208	-	-	5/21/99/115	-
32	SF4	C	101	3	-	-	0/6/5/5
27	CLA	A	802	-	1/1/15/20	13/37/115/115	-
27	CLA	g	311	29	1/1/12/20	7/24/102/115	-
35	II0	j	613	-	-	5/21/67/67	0/2/2/2
30	WVN	R	201	-	-	6/29/63/63	0/2/2/2
34	LMG	J	106	-	-	13/50/70/70	0/1/1/1
27	CLA	A	808	1	1/1/15/20	9/37/115/115	-
27	CLA	A	831	-	1/1/15/20	7/37/115/115	-
27	CLA	a	313	-	1/1/11/20	10/17/95/115	-
27	CLA	m	611	39	1/1/12/20	13/21/99/115	-
27	CLA	d	303	23	1/1/15/20	22/37/115/115	-
27	CLA	A	813	-	1/1/11/20	7/13/91/115	-
27	CLA	g	305	24	1/1/15/20	16/37/115/115	-
27	CLA	n	610	39	1/1/15/20	18/37/115/115	-
27	CLA	h	308	17	1/1/12/20	8/21/99/115	-
30	WVN	L	201	-	-	10/29/63/63	0/2/2/2
27	CLA	f	608	18	1/1/15/20	6/37/115/115	-
28	PQN	A	843	-	-	12/23/43/43	0/2/2/2
27	CLA	g	310	24	1/1/12/20	7/21/99/115	-
35	II0	d	313	-	-	6/21/67/67	0/2/2/2
27	CLA	B	821	39	1/1/14/20	9/36/114/115	-
35	II0	k	314	-	-	3/21/67/67	0/2/2/2
35	II0	c	613	-	-	4/21/67/67	0/2/2/2
27	CLA	B	820	39	1/1/15/20	11/37/115/115	-
27	CLA	m	601	18	1/1/10/20	1/10/88/115	-
35	II0	c	614	-	-	2/21/67/67	0/2/2/2
27	CLA	B	810	-	1/1/15/20	15/37/115/115	-
36	IHT	n	617	-	-	8/25/65/65	0/2/2/2
35	II0	h	310	-	-	4/17/40/67	0/1/1/2
27	CLA	g	304	-	1/1/12/20	3/21/99/115	-
29	LHG	f	619	-	-	36/53/53/53	-
31	LMT	a	302	-	-	6/15/35/61	0/1/1/2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	e	605	19	-	14/37/115/115	-
27	CLA	A	815	39	1/1/11/20	5/13/91/115	-
27	CLA	A	829	-	1/1/15/20	15/37/115/115	-
27	CLA	l	304	20	1/1/15/20	19/37/115/115	-
27	CLA	B	808	-	1/1/13/20	3/25/101/115	-
27	CLA	l	303	20	1/1/11/20	3/16/94/115	-
27	CLA	B	836	-	1/1/15/20	11/37/115/115	-
35	II0	c	617	-	-	4/21/67/67	0/2/2/2
37	KC2	g	312	24	-	9/15/71/71	-
30	WVN	B	848	-	-	7/29/63/63	0/2/2/2
27	CLA	A	821	-	-	5/18/96/115	-
30	WVN	J	102	-	-	8/29/63/63	0/2/2/2
27	CLA	A	809	-	1/1/13/20	11/27/105/115	-
27	CLA	s	203	13,27	-	17/37/115/115	-
27	CLA	B	828	-	1/1/12/20	4/19/97/115	-
27	CLA	A	841	-	1/1/15/20	15/37/115/115	-
27	CLA	f	609	18	1/1/15/20	9/37/115/115	-
35	II0	a	316	-	-	2/21/67/67	0/2/2/2
27	CLA	B	830	39	1/1/11/20	4/13/91/115	-
27	CLA	d	308	29	1/1/10/20	2/8/86/115	-
27	CLA	B	822	-	1/1/15/20	4/37/115/115	-
27	CLA	m	612	-	1/1/10/20	6/11/89/115	-
27	CLA	f	606	18	-	5/21/99/115	-
35	II0	n	615	-	-	3/21/67/67	0/2/2/2
37	KC2	k	312	-	-	9/15/71/71	-
30	WVN	K	103	-	-	5/29/63/63	0/2/2/2
27	CLA	A	838	29	1/1/12/20	7/22/100/115	-
27	CLA	m	607	18	1/1/15/20	11/37/115/115	-
27	CLA	A	830	-	-	5/19/97/115	-
27	CLA	a	311	15	1/1/15/20	13/37/115/115	-
27	CLA	A	839	39	1/1/15/20	16/37/115/115	-
35	II0	i	313	-	-	4/21/67/67	0/2/2/2
29	LHG	l	318	27	-	15/36/36/53	-
27	CLA	i	304	-	1/1/12/20	1/21/99/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	A	810	-	1/1/14/20	9/34/112/115	-
30	WVN	B	847	-	-	13/29/63/63	0/2/2/2
27	CLA	B	804	-	1/1/15/20	14/37/115/115	-
35	II0	g	316	-	-	4/21/67/67	0/2/2/2
27	CLA	A	832	-	1/1/15/20	10/37/115/115	-
30	WVN	l	316	-	-	9/29/63/63	0/2/2/2
35	II0	k	318	-	-	6/21/67/67	0/2/2/2
36	IHT	R	204	-	-	2/25/65/65	0/2/2/2
30	WVN	A	849	-	-	14/29/63/63	0/2/2/2
27	CLA	a	306	39	1/1/15/20	15/37/115/115	-
27	CLA	k	303	-	1/1/15/20	13/37/115/115	-
29	LHG	g	301	27	-	21/41/41/53	-
27	CLA	B	840	29	1/1/15/20	4/37/115/115	-
27	CLA	a	310	29	1/1/11/20	6/17/95/115	-
27	CLA	B	825	-	1/1/12/20	5/21/99/115	-
27	CLA	j	602	18	1/1/12/20	4/19/97/115	-
27	CLA	c	609	29	1/1/11/20	3/13/91/115	-
27	CLA	a	303	15	1/1/12/20	7/22/100/115	-
36	IHT	b	614	-	-	5/25/65/65	0/2/2/2
27	CLA	g	306	24	1/1/12/20	8/21/99/115	-
35	II0	f	616	-	-	3/21/67/67	0/2/2/2
27	CLA	e	603	19	1/1/12/20	5/21/99/115	-
27	CLA	B	803	-	1/1/15/20	14/37/115/115	-
27	CLA	f	603	-	1/1/12/20	5/21/99/115	-
35	II0	d	312	-	-	5/21/67/67	0/2/2/2
37	KC2	j	610	18	-	5/15/71/71	-
27	CLA	a	304	15	1/1/12/20	3/19/97/115	-
27	CLA	n	603	-	1/1/12/20	8/21/99/115	-
37	KC2	d	310	-	-	5/15/71/71	-
27	CLA	g	302	24	1/1/10/20	2/10/88/115	-
27	CLA	A	801	-	1/1/15/20	8/37/115/115	-
27	CLA	n	607	-	1/1/15/20	13/37/115/115	-
27	CLA	B	824	-	1/1/15/20	9/37/115/115	-
27	CLA	f	604	18	1/1/15/20	11/37/115/115	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CLA	F	203	6	1/1/12/20	11/22/100/115	-
27	CLA	A	806	-	-	10/37/115/115	-
27	CLA	g	315	-	-	8/21/99/115	-
27	CLA	A	817	-	1/1/15/20	13/37/115/115	-
29	LHG	j	617	27	-	5/34/34/53	-
27	CLA	h	304	-	1/1/12/20	4/21/99/115	-
35	II0	f	614	-	-	5/21/67/67	0/2/2/2
30	WVN	s	205	-	-	5/29/63/63	0/2/2/2
35	II0	e	612	-	-	5/21/67/67	0/2/2/2
35	II0	l	313	-	-	3/21/67/67	0/2/2/2
29	LHG	e	617	27	-	25/41/41/53	-
29	LHG	g	321	27	-	13/41/41/53	-
27	CLA	c	612	-	1/1/15/20	15/37/115/115	-
27	CLA	d	302	-	1/1/12/20	6/21/99/115	-
35	II0	e	616	-	-	4/21/67/67	0/2/2/2
27	CLA	f	602	18	1/1/15/20	16/37/115/115	-
30	WVN	J	101	-	-	8/29/63/63	0/2/2/2
27	CLA	c	607	14	1/1/11/20	7/15/93/115	-
27	CLA	h	306	17	1/1/15/20	20/37/115/115	-
29	LHG	a	301	27	-	12/53/53/53	-
27	CLA	b	606	16	1/1/14/20	13/33/111/115	-
35	II0	a	318	-	-	8/21/67/67	0/2/2/2
27	CLA	k	302	-	1/1/12/20	2/21/99/115	-
30	WVN	h	309	-	-	8/29/63/63	0/2/2/2
29	LHG	b	617	27	-	21/53/53/53	-
27	CLA	i	309	29	1/1/11/20	5/15/93/115	-

All (4239) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	R	204	IHT	C15-C11	25.50	1.63	1.34
36	c	616	IHT	C15-C11	25.29	1.63	1.34
36	n	617	IHT	C15-C11	25.13	1.62	1.34
36	j	616	IHT	C15-C11	24.97	1.62	1.34
36	m	616	IHT	C15-C11	24.94	1.62	1.34
36	a	317	IHT	C15-C11	24.93	1.62	1.34

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	c	620	IHT	C15-C11	24.81	1.62	1.34
36	g	319	IHT	C15-C11	24.77	1.62	1.34
36	f	617	IHT	C15-C11	24.72	1.62	1.34
36	b	614	IHT	C15-C11	24.66	1.62	1.34
36	k	317	IHT	C15-C11	24.43	1.62	1.34
36	O	204	IHT	C15-C11	24.22	1.61	1.34
35	l	317	II0	C14-C10	23.94	1.61	1.34
35	c	615	II0	C14-C10	23.78	1.61	1.34
35	a	315	II0	C14-C10	23.73	1.61	1.34
35	j	613	II0	C13-C09	23.70	1.61	1.34
35	n	616	II0	C13-C09	23.61	1.61	1.34
35	n	618	II0	C13-C09	23.61	1.61	1.34
35	j	615	II0	C14-C10	23.55	1.61	1.34
35	d	313	II0	C14-C10	23.54	1.61	1.34
35	c	613	II0	C14-C10	23.51	1.61	1.34
35	a	318	II0	C13-C09	23.51	1.61	1.34
35	a	316	II0	C14-C10	23.50	1.61	1.34
35	l	302	II0	C13-C09	23.47	1.61	1.34
35	j	614	II0	C14-C10	23.47	1.61	1.34
35	i	313	II0	C14-C10	23.40	1.61	1.34
35	n	615	II0	C13-C09	23.31	1.60	1.34
35	J	104	II0	C14-C10	23.30	1.60	1.34
35	e	613	II0	C13-C09	23.21	1.60	1.34
35	d	314	II0	C14-C10	23.18	1.60	1.34
35	d	314	II0	C13-C09	23.13	1.60	1.34
35	g	317	II0	C14-C10	23.13	1.60	1.34
35	e	612	II0	C14-C10	23.12	1.60	1.34
35	h	312	II0	C13-C09	23.08	1.60	1.34
35	a	318	II0	C14-C10	23.06	1.60	1.34
35	n	614	II0	C13-C09	23.06	1.60	1.34
35	e	613	II0	C14-C10	23.05	1.60	1.34
35	k	316	II0	C13-C09	23.04	1.60	1.34
35	g	316	II0	C13-C09	23.02	1.60	1.34
35	n	618	II0	C14-C10	23.00	1.60	1.34
35	e	616	II0	C13-C09	22.99	1.60	1.34
35	m	615	II0	C14-C10	22.94	1.60	1.34
35	l	302	II0	C14-C10	22.93	1.60	1.34
35	k	316	II0	C14-C10	22.91	1.60	1.34
35	e	614	II0	C14-C10	22.91	1.60	1.34
35	i	314	II0	C14-C10	22.91	1.60	1.34
35	i	318	II0	C13-C09	22.88	1.60	1.34
35	n	616	II0	C14-C10	22.87	1.60	1.34

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	d	312	II0	C14-C10	22.85	1.60	1.34
35	m	614	II0	C14-C10	22.79	1.60	1.34
35	g	316	II0	C14-C10	22.79	1.60	1.34
35	l	313	II0	C14-C10	22.78	1.60	1.34
35	b	615	II0	C13-C09	22.78	1.60	1.34
35	d	313	II0	C13-C09	22.76	1.60	1.34
35	h	310	II0	C13-C09	22.74	1.60	1.34
35	k	314	II0	C14-C10	22.72	1.60	1.34
35	e	616	II0	C14-C10	22.72	1.60	1.34
35	j	614	II0	C13-C09	22.71	1.60	1.34
35	c	614	II0	C13-C09	22.69	1.60	1.34
35	i	313	II0	C13-C09	22.69	1.60	1.34
35	h	312	II0	C14-C10	22.66	1.60	1.34
35	l	317	II0	C13-C09	22.64	1.60	1.34
35	l	314	II0	C14-C10	22.63	1.60	1.34
35	n	614	II0	C14-C10	22.62	1.60	1.34
35	f	614	II0	C14-C10	22.62	1.60	1.34
35	b	613	II0	C14-C10	22.55	1.60	1.34
35	f	618	II0	C13-C09	22.55	1.60	1.34
35	m	613	II0	C14-C10	22.53	1.60	1.34
35	c	617	II0	C13-C09	22.53	1.60	1.34
35	b	613	II0	C13-C09	22.51	1.60	1.34
35	f	615	II0	C14-C10	22.50	1.60	1.34
35	j	613	II0	C14-C10	22.44	1.59	1.34
35	g	317	II0	C13-C09	22.42	1.59	1.34
35	c	617	II0	C14-C10	22.42	1.59	1.34
35	e	614	II0	C13-C09	22.41	1.59	1.34
35	O	203	II0	C14-C10	22.41	1.59	1.34
35	g	320	II0	C14-C10	22.41	1.59	1.34
35	a	316	II0	C13-C09	22.41	1.59	1.34
35	g	318	II0	C14-C10	22.40	1.59	1.34
35	f	616	II0	C13-C09	22.38	1.59	1.34
35	O	203	II0	C13-C09	22.36	1.59	1.34
35	m	615	II0	C13-C09	22.35	1.59	1.34
35	l	315	II0	C14-C10	22.30	1.59	1.34
35	f	618	II0	C14-C10	22.30	1.59	1.34
35	f	615	II0	C13-C09	22.29	1.59	1.34
35	d	312	II0	C13-C09	22.28	1.59	1.34
35	m	614	II0	C13-C09	22.27	1.59	1.34
35	n	615	II0	C14-C10	22.26	1.59	1.34
35	J	104	II0	C13-C09	22.24	1.59	1.34
35	k	315	II0	C14-C10	22.23	1.59	1.34

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	c	615	II0	C13-C09	22.22	1.59	1.34
35	h	311	II0	C13-C09	22.21	1.59	1.34
35	l	314	II0	C13-C09	22.20	1.59	1.34
35	e	612	II0	C13-C09	22.20	1.59	1.34
35	f	614	II0	C13-C09	22.18	1.59	1.34
35	a	314	II0	C14-C10	22.17	1.59	1.34
35	g	320	II0	C13-C09	22.17	1.59	1.34
35	l	313	II0	C13-C09	22.14	1.59	1.34
35	j	615	II0	C13-C09	22.08	1.59	1.34
35	c	613	II0	C13-C09	22.01	1.59	1.34
35	a	315	II0	C13-C09	22.01	1.59	1.34
35	m	613	II0	C13-C09	21.98	1.59	1.34
35	i	318	II0	C14-C10	21.97	1.59	1.34
35	l	315	II0	C13-C09	21.96	1.59	1.34
35	k	318	II0	C14-C10	21.90	1.59	1.34
35	k	314	II0	C13-C09	21.89	1.59	1.34
35	k	315	II0	C13-C09	21.84	1.59	1.34
35	c	614	II0	C14-C10	21.82	1.59	1.34
35	f	616	II0	C14-C10	21.68	1.59	1.34
35	a	314	II0	C13-C09	21.67	1.59	1.34
35	b	612	II0	C14-C10	21.59	1.59	1.34
35	b	612	II0	C13-C09	21.57	1.59	1.34
35	i	314	II0	C13-C09	21.54	1.58	1.34
35	g	318	II0	C13-C09	21.44	1.58	1.34
35	k	318	II0	C13-C09	21.32	1.58	1.34
35	h	311	II0	C14-C10	21.28	1.58	1.34
35	b	615	II0	C14-C10	20.67	1.58	1.34
36	b	614	IHT	C10-C07	15.13	1.60	1.34
36	O	204	IHT	C10-C07	15.05	1.60	1.34
36	k	317	IHT	C10-C07	14.91	1.60	1.34
36	c	620	IHT	C10-C07	14.90	1.60	1.34
36	a	317	IHT	C10-C07	14.86	1.60	1.34
36	n	617	IHT	C10-C07	14.84	1.60	1.34
36	m	616	IHT	C10-C07	14.78	1.60	1.34
36	R	204	IHT	C10-C07	14.76	1.60	1.34
36	g	319	IHT	C10-C07	14.73	1.59	1.34
36	c	616	IHT	C10-C07	14.72	1.59	1.34
36	f	617	IHT	C10-C07	14.58	1.59	1.34
36	j	616	IHT	C10-C07	14.46	1.59	1.34
36	c	616	IHT	C05-C08	-12.08	1.34	1.52
35	J	104	II0	C05-C07	-11.98	1.35	1.52
35	k	316	II0	C05-C07	-11.93	1.35	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	c	613	II0	C05-C07	-11.92	1.35	1.52
35	n	615	II0	C05-C07	-11.82	1.35	1.52
35	h	311	II0	C05-C07	-11.81	1.35	1.52
36	c	620	IHT	C05-C08	-11.74	1.35	1.52
35	c	614	II0	C06-C08	-11.63	1.35	1.52
35	i	314	II0	C05-C07	-11.61	1.35	1.52
35	a	316	II0	C05-C07	-11.61	1.35	1.52
35	f	615	II0	C05-C07	-11.55	1.35	1.52
35	l	313	II0	C05-C07	-11.55	1.35	1.52
35	c	614	II0	C05-C07	-11.54	1.35	1.52
36	g	319	IHT	C05-C08	-11.53	1.35	1.52
36	R	204	IHT	C05-C08	-11.50	1.35	1.52
35	a	315	II0	C05-C07	-11.47	1.35	1.52
35	j	614	II0	C06-C08	-11.45	1.35	1.52
35	c	617	II0	C05-C07	-11.44	1.35	1.52
35	b	613	II0	C05-C07	-11.42	1.35	1.52
36	b	614	IHT	C05-C08	-11.39	1.35	1.52
35	f	614	II0	C05-C07	-11.37	1.35	1.52
35	m	613	II0	C05-C07	-11.37	1.35	1.52
36	m	616	IHT	C05-C08	-11.37	1.36	1.52
36	a	317	IHT	C05-C08	-11.37	1.36	1.52
35	n	618	II0	C05-C07	-11.36	1.36	1.52
35	l	314	II0	C06-C08	-11.35	1.36	1.52
35	j	615	II0	C05-C07	-11.34	1.36	1.52
35	i	313	II0	C05-C07	-11.33	1.36	1.52
35	l	302	II0	C06-C08	-11.33	1.36	1.52
36	k	317	IHT	C05-C08	-11.32	1.36	1.52
35	b	615	II0	C05-C07	-11.32	1.36	1.52
35	c	615	II0	C05-C07	-11.31	1.36	1.52
35	e	616	II0	C11-C07	11.30	1.71	1.52
35	g	320	II0	C05-C07	-11.30	1.36	1.52
36	f	617	IHT	C12-C08	11.29	1.71	1.52
35	d	314	II0	C11-C07	11.29	1.71	1.52
35	j	613	II0	C05-C07	-11.28	1.36	1.52
35	f	616	II0	C05-C07	-11.26	1.36	1.52
35	g	317	II0	C11-C07	11.24	1.71	1.52
35	e	614	II0	C05-C07	-11.24	1.36	1.52
35	n	616	II0	C05-C07	-11.23	1.36	1.52
35	e	613	II0	C05-C07	-11.22	1.36	1.52
35	a	318	II0	C05-C07	-11.21	1.36	1.52
35	n	614	II0	C05-C07	-11.19	1.36	1.52
35	n	618	II0	C11-C07	11.18	1.71	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	O	204	IHT	C05-C08	-11.17	1.36	1.52
35	h	312	II0	C05-C07	-11.17	1.36	1.52
36	j	616	IHT	C05-C08	-11.14	1.36	1.52
35	n	616	II0	C11-C07	11.13	1.71	1.52
36	n	617	IHT	C12-C08	11.12	1.71	1.52
35	O	203	II0	C05-C07	-11.11	1.36	1.52
35	a	314	II0	C05-C07	-11.11	1.36	1.52
36	f	617	IHT	C05-C08	-11.10	1.36	1.52
35	l	314	II0	C05-C07	-11.08	1.36	1.52
35	k	314	II0	C06-C08	-11.08	1.36	1.52
35	l	317	II0	C05-C07	-11.07	1.36	1.52
36	R	204	IHT	C12-C08	11.07	1.71	1.52
36	n	617	IHT	C05-C08	-11.05	1.36	1.52
35	n	616	II0	C06-C08	-11.05	1.36	1.52
36	O	204	IHT	C12-C08	11.04	1.71	1.52
35	a	315	II0	C06-C08	-11.03	1.36	1.52
35	f	618	II0	C11-C07	11.00	1.71	1.52
35	c	617	II0	C11-C07	10.99	1.71	1.52
35	b	612	II0	C05-C07	-10.97	1.36	1.52
35	l	302	II0	C05-C07	-10.97	1.36	1.52
36	j	616	IHT	C12-C08	10.97	1.71	1.52
35	j	615	II0	C11-C07	10.95	1.71	1.52
35	e	612	II0	C11-C07	10.94	1.71	1.52
35	k	318	II0	C11-C07	10.94	1.71	1.52
36	k	317	IHT	C12-C08	10.93	1.71	1.52
36	b	614	IHT	C12-C08	10.91	1.71	1.52
35	j	614	II0	C05-C07	-10.90	1.36	1.52
35	O	203	II0	C11-C07	10.89	1.71	1.52
35	h	310	II0	C05-C07	-10.89	1.36	1.52
35	l	315	II0	C05-C07	-10.87	1.36	1.52
36	c	616	IHT	C12-C08	10.86	1.71	1.52
35	m	615	II0	C11-C07	10.84	1.71	1.52
35	f	618	II0	C06-C08	-10.82	1.36	1.52
35	f	615	II0	C11-C07	10.82	1.71	1.52
35	g	316	II0	C05-C07	-10.82	1.36	1.52
36	a	317	IHT	C12-C08	10.82	1.71	1.52
35	h	310	II0	C11-C07	10.81	1.71	1.52
35	m	614	II0	C05-C07	-10.80	1.36	1.52
35	g	318	II0	C05-C07	-10.80	1.36	1.52
35	g	320	II0	C06-C08	-10.78	1.36	1.52
35	J	104	II0	C06-C08	-10.77	1.36	1.52
35	m	615	II0	C05-C07	-10.76	1.36	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	l	315	II0	C11-C07	10.72	1.70	1.52
35	i	314	II0	C11-C07	10.69	1.70	1.52
36	m	616	IHT	C12-C08	10.67	1.70	1.52
35	k	314	II0	C05-C07	-10.67	1.37	1.52
35	g	317	II0	C05-C07	-10.66	1.37	1.52
36	c	620	IHT	C12-C08	10.64	1.70	1.52
35	d	312	II0	C06-C08	-10.64	1.37	1.52
35	O	203	II0	C06-C08	-10.64	1.37	1.52
35	g	318	II0	C11-C07	10.63	1.70	1.52
35	d	312	II0	C11-C07	10.63	1.70	1.52
35	a	318	II0	C11-C07	10.62	1.70	1.52
35	m	614	II0	C06-C08	-10.60	1.37	1.52
35	f	615	II0	C06-C08	-10.60	1.37	1.52
35	i	313	II0	C11-C07	10.58	1.70	1.52
35	d	313	II0	C05-C07	-10.57	1.37	1.52
35	l	313	II0	C06-C08	-10.56	1.37	1.52
36	g	319	IHT	C12-C08	10.56	1.70	1.52
35	i	318	II0	C11-C07	10.56	1.70	1.52
35	b	613	II0	C06-C08	-10.55	1.37	1.52
35	l	317	II0	C11-C07	10.55	1.70	1.52
35	h	312	II0	C11-C07	10.54	1.70	1.52
35	g	317	II0	C06-C08	-10.53	1.37	1.52
35	k	318	II0	C06-C08	-10.53	1.37	1.52
35	c	614	II0	C11-C07	10.53	1.70	1.52
35	a	316	II0	C11-C07	10.52	1.70	1.52
35	m	613	II0	C11-C07	10.52	1.70	1.52
35	e	614	II0	C11-C07	10.50	1.70	1.52
35	e	616	II0	C05-C07	-10.49	1.37	1.52
35	m	614	II0	C11-C07	10.49	1.70	1.52
35	n	614	II0	C11-C07	10.49	1.70	1.52
35	a	316	II0	C06-C08	-10.48	1.37	1.52
35	l	302	II0	C11-C07	10.48	1.70	1.52
35	b	615	II0	C11-C07	10.46	1.70	1.52
35	a	314	II0	C06-C08	-10.46	1.37	1.52
35	f	618	II0	C05-C07	-10.44	1.37	1.52
35	d	313	II0	C11-C07	10.44	1.70	1.52
35	g	320	II0	C11-C07	10.44	1.70	1.52
35	k	318	II0	C05-C07	-10.41	1.37	1.52
35	c	613	II0	C11-C07	10.41	1.70	1.52
35	d	312	II0	C05-C07	-10.40	1.37	1.52
35	i	313	II0	C06-C08	-10.39	1.37	1.52
35	j	613	II0	C11-C07	10.39	1.70	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	e	612	II0	C06-C08	-10.38	1.37	1.52
35	h	311	II0	C06-C08	-10.35	1.37	1.52
35	g	316	II0	C11-C07	10.35	1.70	1.52
35	i	318	II0	C05-C07	-10.35	1.37	1.52
35	h	311	II0	C11-C07	10.32	1.70	1.52
35	b	612	II0	C06-C08	-10.31	1.37	1.52
35	d	314	II0	C06-C08	-10.31	1.37	1.52
35	k	316	II0	C11-C07	10.30	1.70	1.52
35	n	615	II0	C06-C08	-10.29	1.37	1.52
35	m	615	II0	C06-C08	-10.28	1.37	1.52
35	l	317	II0	C06-C08	-10.27	1.37	1.52
35	n	615	II0	C11-C07	10.24	1.70	1.52
35	l	314	II0	C11-C07	10.22	1.70	1.52
35	b	615	II0	C06-C08	-10.21	1.37	1.52
35	j	615	II0	C06-C08	-10.19	1.37	1.52
35	k	314	II0	C11-C07	10.19	1.70	1.52
35	j	614	II0	C11-C07	10.17	1.69	1.52
35	b	612	II0	C11-C07	10.16	1.69	1.52
35	k	315	II0	C11-C07	10.12	1.69	1.52
35	k	315	II0	C06-C08	-10.12	1.37	1.52
35	f	614	II0	C11-C07	10.11	1.69	1.52
35	m	613	II0	C06-C08	-10.10	1.37	1.52
35	k	315	II0	C05-C07	-10.09	1.37	1.52
35	a	315	II0	C11-C07	10.06	1.69	1.52
35	f	614	II0	C06-C08	-10.04	1.37	1.52
35	a	314	II0	C11-C07	10.04	1.69	1.52
35	e	613	II0	C11-C07	10.03	1.69	1.52
35	h	312	II0	C06-C08	-10.02	1.37	1.52
35	d	314	II0	C05-C07	-10.02	1.37	1.52
35	c	617	II0	C06-C08	-10.02	1.37	1.52
35	e	614	II0	C06-C08	-10.00	1.37	1.52
35	e	612	II0	C05-C07	-10.00	1.37	1.52
35	e	613	II0	C06-C08	-9.95	1.38	1.52
35	n	614	II0	C06-C08	-9.93	1.38	1.52
35	c	615	II0	C11-C07	9.88	1.69	1.52
35	k	316	II0	C06-C08	-9.88	1.38	1.52
35	J	104	II0	C11-C07	9.79	1.69	1.52
35	l	315	II0	C06-C08	-9.78	1.38	1.52
35	g	318	II0	C06-C08	-9.78	1.38	1.52
35	d	313	II0	C06-C08	-9.72	1.38	1.52
35	c	613	II0	C06-C08	-9.72	1.38	1.52
35	l	313	II0	C11-C07	9.70	1.69	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	f	616	II0	C11-C07	9.68	1.69	1.52
35	b	613	II0	C11-C07	9.65	1.69	1.52
35	g	316	II0	C06-C08	-9.62	1.38	1.52
35	c	615	II0	C06-C08	-9.58	1.38	1.52
35	n	618	II0	C06-C08	-9.50	1.38	1.52
35	e	616	II0	C06-C08	-9.43	1.38	1.52
35	j	613	II0	C06-C08	-9.38	1.38	1.52
35	a	318	II0	C06-C08	-9.31	1.38	1.52
35	f	616	II0	C12-C08	9.16	1.68	1.52
35	i	314	II0	C06-C08	-9.15	1.39	1.52
35	f	616	II0	C06-C08	-9.15	1.39	1.52
35	i	318	II0	C06-C08	-9.11	1.39	1.52
35	g	320	II0	C12-C08	8.99	1.67	1.52
35	c	615	II0	C12-C08	8.91	1.67	1.52
35	n	618	II0	C12-C08	8.84	1.67	1.52
35	b	615	II0	C12-C08	8.82	1.67	1.52
35	f	615	II0	C12-C08	8.81	1.67	1.52
35	a	316	II0	C12-C08	8.80	1.67	1.52
35	i	314	II0	C12-C08	8.79	1.67	1.52
35	n	614	II0	C12-C08	8.77	1.67	1.52
35	j	614	II0	C12-C08	8.73	1.67	1.52
35	k	316	II0	C12-C08	8.71	1.67	1.52
35	g	316	II0	C12-C08	8.70	1.67	1.52
35	a	318	II0	C12-C08	8.66	1.67	1.52
35	m	614	II0	C12-C08	8.66	1.67	1.52
27	i	307	CLA	C4B-NB	8.62	1.42	1.35
35	g	318	II0	C12-C08	8.60	1.67	1.52
35	d	313	II0	C12-C08	8.59	1.67	1.52
35	e	613	II0	C12-C08	8.59	1.67	1.52
35	i	318	II0	C12-C08	8.59	1.67	1.52
35	l	317	II0	C12-C08	8.56	1.67	1.52
35	l	313	II0	C12-C08	8.52	1.67	1.52
35	c	613	II0	C12-C08	8.50	1.67	1.52
35	j	615	II0	C12-C08	8.48	1.67	1.52
35	f	614	II0	C12-C08	8.45	1.66	1.52
35	l	314	II0	C12-C08	8.44	1.66	1.52
35	g	317	II0	C12-C08	8.43	1.66	1.52
27	B	828	CLA	C4B-NB	8.39	1.42	1.35
35	J	104	II0	C12-C08	8.39	1.66	1.52
35	m	615	II0	C12-C08	8.37	1.66	1.52
35	k	315	II0	C12-C08	8.34	1.66	1.52
35	e	612	II0	C12-C08	8.33	1.66	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	d	314	II0	C12-C08	8.28	1.66	1.52
27	j	601	CLA	C4B-NB	8.28	1.42	1.35
35	l	315	II0	C12-C08	8.27	1.66	1.52
35	d	312	II0	C12-C08	8.26	1.66	1.52
35	c	614	II0	C12-C08	8.26	1.66	1.52
35	l	302	II0	C12-C08	8.26	1.66	1.52
35	f	618	II0	C12-C08	8.25	1.66	1.52
35	O	203	II0	C12-C08	8.24	1.66	1.52
35	e	616	II0	C12-C08	8.24	1.66	1.52
27	d	303	CLA	C4B-NB	8.24	1.42	1.35
35	j	613	II0	C12-C08	8.24	1.66	1.52
27	B	816	CLA	C4B-NB	8.22	1.42	1.35
35	n	615	II0	C12-C08	8.20	1.66	1.52
35	k	318	II0	C12-C08	8.20	1.66	1.52
35	e	614	II0	C12-C08	8.19	1.66	1.52
35	n	616	II0	C12-C08	8.18	1.66	1.52
27	i	311	CLA	C4B-NB	8.17	1.42	1.35
27	f	607	CLA	C4B-NB	8.16	1.42	1.35
35	m	613	II0	C12-C08	8.16	1.66	1.52
27	k	313	CLA	C4B-NB	8.12	1.42	1.35
27	b	607	CLA	C4B-NB	8.12	1.42	1.35
27	i	302	CLA	C4B-NB	8.12	1.42	1.35
35	b	612	II0	C12-C08	8.11	1.66	1.52
37	g	314	KC2	C4D-ND	8.09	1.42	1.35
27	A	811	CLA	C4B-NB	8.09	1.42	1.35
37	g	312	KC2	C4D-ND	8.07	1.42	1.35
35	a	315	II0	C12-C08	8.05	1.66	1.52
37	m	610	KC2	C4D-ND	8.04	1.42	1.35
37	g	313	KC2	C4D-ND	8.01	1.42	1.35
35	h	312	II0	C12-C08	8.01	1.66	1.52
35	a	314	II0	C12-C08	7.99	1.66	1.52
27	f	612	CLA	C4B-NB	7.99	1.42	1.35
35	k	316	II0	C23-C25	7.98	1.57	1.42
27	f	608	CLA	C4B-NB	7.96	1.42	1.35
35	b	613	II0	C12-C08	7.94	1.66	1.52
27	f	601	CLA	C4B-NB	7.94	1.42	1.35
37	k	311	KC2	C4D-ND	7.91	1.42	1.35
27	B	838	CLA	C4B-NB	7.88	1.42	1.35
27	n	603	CLA	C4B-NB	7.88	1.42	1.35
37	i	310	KC2	C4D-ND	7.88	1.42	1.35
27	m	601	CLA	C4B-NB	7.87	1.42	1.35
27	f	613	CLA	C4B-NB	7.86	1.42	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	l	311	KC2	C4D-ND	7.86	1.42	1.35
27	A	819	CLA	C4B-NB	7.86	1.42	1.35
27	b	610	CLA	C4B-NB	7.85	1.42	1.35
37	g	313	KC2	C4C-NC	7.85	1.49	1.37
27	j	607	CLA	C4B-NB	7.85	1.42	1.35
37	c	610	KC2	C4D-ND	7.85	1.42	1.35
35	k	314	II0	C12-C08	7.84	1.65	1.52
27	A	855	CLA	C4B-NB	7.81	1.42	1.35
37	f	611	KC2	C4D-ND	7.80	1.42	1.35
27	A	852	CLA	C4B-NB	7.79	1.42	1.35
27	s	206	CLA	C4B-NB	7.79	1.42	1.35
27	a	308	CLA	C4B-NB	7.78	1.42	1.35
37	n	611	KC2	C4D-ND	7.78	1.42	1.35
37	d	309	KC2	C4D-ND	7.77	1.42	1.35
27	n	613	CLA	C4B-NB	7.77	1.42	1.35
37	n	612	KC2	C4D-ND	7.77	1.42	1.35
27	h	313	CLA	C4B-NB	7.76	1.42	1.35
37	k	310	KC2	C4D-ND	7.76	1.42	1.35
37	m	610	KC2	C4C-NC	7.76	1.49	1.37
37	j	610	KC2	C4D-ND	7.75	1.42	1.35
27	f	606	CLA	C4B-NB	7.75	1.42	1.35
35	c	617	II0	C12-C08	7.74	1.65	1.52
37	k	310	KC2	C4C-NC	7.74	1.49	1.37
37	k	312	KC2	C4C-NC	7.74	1.49	1.37
27	m	606	CLA	C4B-NB	7.73	1.42	1.35
27	d	306	CLA	C4B-NB	7.73	1.42	1.35
27	i	304	CLA	C4B-NB	7.70	1.42	1.35
37	f	611	KC2	C4C-NC	7.70	1.49	1.37
27	c	611	CLA	C4B-NB	7.69	1.42	1.35
27	L	206	CLA	C4B-NB	7.68	1.42	1.35
35	k	316	II0	C21-C09	7.67	1.58	1.42
35	i	313	II0	C12-C08	7.67	1.65	1.52
37	g	314	KC2	C4C-NC	7.67	1.49	1.37
37	d	309	KC2	C4C-NC	7.67	1.49	1.37
37	k	312	KC2	C4D-ND	7.67	1.42	1.35
27	n	610	CLA	C4B-NB	7.66	1.42	1.35
37	e	609	KC2	C4D-ND	7.66	1.42	1.35
27	l	307	CLA	C4B-NB	7.65	1.42	1.35
35	l	317	II0	C22-C10	7.65	1.58	1.42
27	k	306	CLA	C4B-NB	7.65	1.42	1.35
27	i	305	CLA	C4B-NB	7.64	1.42	1.35
37	e	609	KC2	C4C-NC	7.64	1.49	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	s	204	KC2	C4D-ND	7.63	1.42	1.35
27	F	202	CLA	C4B-NB	7.63	1.42	1.35
37	i	310	KC2	C4C-NC	7.63	1.49	1.37
27	l	305	CLA	C4B-NB	7.62	1.42	1.35
27	d	311	CLA	C4B-NB	7.62	1.42	1.35
27	b	606	CLA	C4B-NB	7.62	1.42	1.35
27	h	307	CLA	C4B-NB	7.62	1.42	1.35
27	A	839	CLA	C4B-NB	7.62	1.42	1.35
27	k	309	CLA	C4B-NB	7.62	1.42	1.35
27	A	823	CLA	C4B-NB	7.61	1.42	1.35
27	a	312	CLA	C4B-NB	7.61	1.42	1.35
37	c	610	KC2	C4C-NC	7.61	1.49	1.37
27	n	604	CLA	C4B-NB	7.60	1.42	1.35
37	g	312	KC2	C4C-NC	7.60	1.49	1.37
27	B	806	CLA	C4B-NB	7.60	1.42	1.35
27	g	311	CLA	C4B-NB	7.58	1.42	1.35
37	j	610	KC2	C4C-NC	7.57	1.49	1.37
27	c	605	CLA	C4B-NB	7.57	1.42	1.35
27	B	820	CLA	C4B-NB	7.56	1.42	1.35
27	m	604	CLA	C4B-NB	7.56	1.42	1.35
27	l	312	CLA	C4B-NB	7.55	1.41	1.35
37	l	311	KC2	C4C-NC	7.55	1.49	1.37
37	n	611	KC2	C4C-NC	7.54	1.49	1.37
27	A	840	CLA	C4B-NB	7.54	1.41	1.35
27	c	606	CLA	C4B-NB	7.54	1.41	1.35
27	d	304	CLA	C4B-NB	7.53	1.41	1.35
35	d	313	II0	C23-C25	7.53	1.57	1.42
27	K	101	CLA	C4B-NB	7.53	1.41	1.35
27	b	611	CLA	C4B-NB	7.53	1.41	1.35
27	F	203	CLA	C4B-NB	7.52	1.41	1.35
27	s	209	CLA	C4B-NB	7.51	1.41	1.35
27	A	810	CLA	C4B-NB	7.51	1.41	1.35
27	c	601	CLA	C4B-NB	7.51	1.41	1.35
27	n	601	CLA	C4B-NB	7.51	1.41	1.35
27	j	611	CLA	C4B-NB	7.51	1.41	1.35
35	l	317	II0	C24-C26	7.49	1.57	1.42
27	R	203	CLA	C4B-NB	7.49	1.41	1.35
27	e	601	CLA	C4B-NB	7.48	1.41	1.35
27	A	829	CLA	C4B-NB	7.48	1.41	1.35
27	A	814	CLA	C4B-NB	7.47	1.41	1.35
37	i	317	KC2	C4C-NC	7.47	1.49	1.37
27	e	611	CLA	C4B-NB	7.46	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	j	604	CLA	C4B-NB	7.46	1.41	1.35
37	k	311	KC2	C4C-NC	7.46	1.49	1.37
27	B	808	CLA	C4B-NB	7.45	1.41	1.35
27	A	835	CLA	C4B-NB	7.44	1.41	1.35
27	i	306	CLA	C4B-NB	7.44	1.41	1.35
35	h	311	II0	C12-C08	7.43	1.65	1.52
27	d	307	CLA	C4B-NB	7.43	1.41	1.35
27	l	303	CLA	C4B-NB	7.43	1.41	1.35
28	A	843	PQN	C3-C2	7.42	1.48	1.35
27	d	305	CLA	C4B-NB	7.42	1.41	1.35
27	L	202	CLA	C4B-NB	7.41	1.41	1.35
27	e	603	CLA	C4B-NB	7.40	1.41	1.35
37	n	612	KC2	C4C-NC	7.40	1.48	1.37
27	A	817	CLA	C4B-NB	7.40	1.41	1.35
27	s	202	CLA	C4B-NB	7.40	1.41	1.35
27	B	827	CLA	C4B-NB	7.39	1.41	1.35
27	g	304	CLA	C4B-NB	7.39	1.41	1.35
27	A	801	CLA	C4B-NB	7.39	1.41	1.35
37	s	204	KC2	C4C-NC	7.38	1.48	1.37
28	B	841	PQN	C3-C2	7.37	1.48	1.35
27	B	839	CLA	C4B-NB	7.37	1.41	1.35
27	A	803	CLA	C4B-NB	7.36	1.41	1.35
27	m	608	CLA	C4B-NB	7.35	1.41	1.35
27	l	309	CLA	C4B-NB	7.34	1.41	1.35
27	k	301	CLA	C4B-NB	7.34	1.41	1.35
27	a	303	CLA	C4B-NB	7.33	1.41	1.35
37	s	201	KC2	C4C-NC	7.33	1.48	1.37
27	j	606	CLA	C4B-NB	7.33	1.41	1.35
27	f	609	CLA	C4B-NB	7.33	1.41	1.35
27	f	604	CLA	C4B-NB	7.32	1.41	1.35
27	c	607	CLA	C4B-NB	7.32	1.41	1.35
27	g	310	CLA	C4B-NB	7.32	1.41	1.35
27	n	608	CLA	C4B-NB	7.31	1.41	1.35
27	i	303	CLA	C4B-NB	7.31	1.41	1.35
37	s	201	KC2	C4D-ND	7.30	1.41	1.35
27	l	310	CLA	C4B-NB	7.29	1.41	1.35
27	B	849	CLA	C4B-NB	7.29	1.41	1.35
27	m	609	CLA	C4B-NB	7.29	1.41	1.35
27	A	807	CLA	C4B-NB	7.28	1.41	1.35
27	f	603	CLA	C4B-NB	7.28	1.41	1.35
27	i	312	CLA	C4B-NB	7.28	1.41	1.35
27	e	610	CLA	C4B-NB	7.27	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	811	CLA	C4B-NB	7.27	1.41	1.35
37	d	310	KC2	C4C-NC	7.27	1.48	1.37
27	B	801	CLA	C4B-NB	7.27	1.41	1.35
27	e	604	CLA	C4B-NB	7.26	1.41	1.35
35	a	318	II0	C22-C10	7.25	1.57	1.42
27	A	825	CLA	C4B-NB	7.25	1.41	1.35
27	e	608	CLA	C4B-NB	7.25	1.41	1.35
27	A	831	CLA	C4B-NB	7.25	1.41	1.35
36	b	614	IHT	C22-C23	7.24	1.61	1.45
37	i	317	KC2	C4D-ND	7.24	1.41	1.35
27	L	204	CLA	C4B-NB	7.23	1.41	1.35
27	B	834	CLA	C4B-NB	7.21	1.41	1.35
27	c	609	CLA	C4B-NB	7.21	1.41	1.35
27	j	608	CLA	C4B-NB	7.21	1.41	1.35
27	c	602	CLA	C4B-NB	7.20	1.41	1.35
27	k	303	CLA	C4B-NB	7.20	1.41	1.35
27	h	306	CLA	C4B-NB	7.20	1.41	1.35
27	A	821	CLA	C4B-NB	7.19	1.41	1.35
27	b	608	CLA	C4B-NB	7.19	1.41	1.35
27	b	601	CLA	C4B-NB	7.19	1.41	1.35
35	c	615	II0	C23-C25	7.18	1.56	1.42
27	f	605	CLA	C4B-NB	7.18	1.41	1.35
27	O	206	CLA	C4B-NB	7.18	1.41	1.35
27	j	612	CLA	C4B-NB	7.18	1.41	1.35
27	B	814	CLA	C4B-NB	7.17	1.41	1.35
35	d	313	II0	C24-C26	7.16	1.56	1.42
27	g	315	CLA	C4B-NB	7.16	1.41	1.35
27	c	612	CLA	C4B-NB	7.16	1.41	1.35
27	k	302	CLA	C4B-NB	7.16	1.41	1.35
35	d	313	II0	C21-C09	7.16	1.57	1.42
27	B	815	CLA	C4B-NB	7.15	1.41	1.35
27	m	611	CLA	C4B-NB	7.15	1.41	1.35
27	g	322	CLA	C4B-NB	7.14	1.41	1.35
27	A	802	CLA	C4B-NB	7.14	1.41	1.35
35	a	318	II0	C23-C25	7.12	1.56	1.42
27	B	809	CLA	C4B-NB	7.12	1.41	1.35
27	k	307	CLA	C4B-NB	7.12	1.41	1.35
35	n	618	II0	C22-C10	7.12	1.57	1.42
27	m	607	CLA	C4B-NB	7.12	1.41	1.35
35	j	615	II0	C23-C25	7.11	1.56	1.42
35	l	302	II0	C21-C09	7.11	1.57	1.42
27	A	856	CLA	C4B-NB	7.11	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	806	CLA	C4B-NB	7.11	1.41	1.35
27	B	837	CLA	C4B-NB	7.11	1.41	1.35
27	B	832	CLA	C4B-NB	7.10	1.41	1.35
27	c	604	CLA	C4B-NB	7.09	1.41	1.35
35	c	615	II0	C21-C09	7.09	1.57	1.42
27	s	208	CLA	C4B-NB	7.09	1.41	1.35
27	k	308	CLA	C4B-NB	7.09	1.41	1.35
35	e	612	II0	C23-C25	7.09	1.56	1.42
27	h	301	CLA	C4B-NB	7.09	1.41	1.35
27	F	201	CLA	C4B-NB	7.08	1.41	1.35
35	f	616	II0	C23-C25	7.08	1.56	1.42
27	B	817	CLA	C4B-NB	7.08	1.41	1.35
27	g	305	CLA	C4B-NB	7.08	1.41	1.35
27	h	303	CLA	C4B-NB	7.07	1.41	1.35
37	d	310	KC2	C4D-ND	7.07	1.41	1.35
27	b	609	CLA	C4B-NB	7.07	1.41	1.35
35	d	313	II0	C22-C10	7.06	1.57	1.42
27	n	602	CLA	C4B-NB	7.06	1.41	1.35
27	A	813	CLA	C4B-NB	7.06	1.41	1.35
27	f	602	CLA	C4B-NB	7.05	1.41	1.35
27	B	826	CLA	C4B-NB	7.05	1.41	1.35
27	B	829	CLA	C4B-NB	7.05	1.41	1.35
27	f	610	CLA	C4B-NB	7.05	1.41	1.35
27	d	308	CLA	C4B-NB	7.04	1.41	1.35
35	k	314	II0	C24-C26	7.04	1.56	1.42
27	g	306	CLA	C4B-NB	7.04	1.41	1.35
27	g	307	CLA	C4B-NB	7.04	1.41	1.35
27	B	825	CLA	C4B-NB	7.04	1.41	1.35
27	c	603	CLA	C4B-NB	7.04	1.41	1.35
27	J	105	CLA	C4B-NB	7.03	1.41	1.35
35	l	302	II0	C23-C25	7.03	1.56	1.42
27	i	308	CLA	C4B-NB	7.02	1.41	1.35
27	n	607	CLA	C4B-NB	7.02	1.41	1.35
27	B	818	CLA	C4B-NB	7.02	1.41	1.35
35	j	613	II0	C21-C09	7.01	1.57	1.42
27	A	822	CLA	C4B-NB	7.01	1.41	1.35
27	a	313	CLA	C4B-NB	7.01	1.41	1.35
35	j	615	II0	C21-C09	7.00	1.57	1.42
27	B	819	CLA	C4B-NB	7.00	1.41	1.35
27	g	309	CLA	C4B-NB	7.00	1.41	1.35
35	l	315	II0	C21-C09	7.00	1.57	1.42
27	e	605	CLA	C4B-NB	7.00	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	l	315	II0	C23-C25	6.99	1.56	1.42
27	A	841	CLA	C4B-NB	6.99	1.41	1.35
27	B	835	CLA	C4B-NB	6.96	1.41	1.35
27	n	606	CLA	C4B-NB	6.96	1.41	1.35
36	c	620	IHT	C04-C06	-6.96	1.35	1.52
27	A	820	CLA	C4B-NB	6.96	1.41	1.35
27	i	309	CLA	C4B-NB	6.95	1.41	1.35
36	j	616	IHT	C04-C06	-6.95	1.35	1.52
27	A	836	CLA	C4B-NB	6.95	1.41	1.35
35	e	616	II0	C23-C25	6.95	1.55	1.42
35	j	615	II0	C24-C26	6.95	1.55	1.42
35	n	616	II0	C23-C25	6.95	1.55	1.42
35	c	617	II0	C23-C25	6.94	1.55	1.42
35	k	318	II0	C23-C25	6.94	1.55	1.42
27	e	606	CLA	C4B-NB	6.93	1.41	1.35
27	j	603	CLA	C4B-NB	6.93	1.41	1.35
35	a	318	II0	C21-C09	6.93	1.57	1.42
35	j	615	II0	C22-C10	6.92	1.57	1.42
35	f	616	II0	C21-C09	6.92	1.57	1.42
35	a	318	II0	C24-C26	6.91	1.55	1.42
36	k	317	IHT	C04-C06	-6.91	1.35	1.52
27	B	802	CLA	C4B-NB	6.90	1.41	1.35
27	b	603	CLA	C4B-NB	6.90	1.41	1.35
27	A	809	CLA	C4B-NB	6.90	1.41	1.35
27	A	842	CLA	C4B-NB	6.89	1.41	1.35
36	m	616	IHT	C04-C06	-6.89	1.35	1.52
27	l	308	CLA	C4B-NB	6.89	1.41	1.35
35	e	614	II0	C22-C10	6.88	1.56	1.42
27	B	807	CLA	C4B-NB	6.88	1.41	1.35
35	i	313	II0	C23-C25	6.88	1.55	1.42
27	c	608	CLA	C4B-NB	6.88	1.41	1.35
27	B	812	CLA	C4B-NB	6.88	1.41	1.35
35	g	318	II0	C21-C09	6.87	1.56	1.42
27	l	304	CLA	C4B-NB	6.87	1.41	1.35
27	e	602	CLA	C4B-NB	6.87	1.41	1.35
35	e	614	II0	C24-C26	6.86	1.55	1.42
35	f	618	II0	C24-C26	6.86	1.55	1.42
36	c	616	IHT	C04-C06	-6.86	1.35	1.52
35	f	618	II0	C22-C10	6.86	1.56	1.42
35	n	618	II0	C24-C26	6.85	1.55	1.42
36	b	614	IHT	C34-C35	6.85	1.60	1.45
36	O	204	IHT	C04-C06	-6.84	1.35	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	804	CLA	C4B-NB	6.83	1.41	1.35
27	L	203	CLA	C4B-NB	6.83	1.41	1.35
36	R	204	IHT	C04-C06	-6.83	1.35	1.52
27	h	308	CLA	C4B-NB	6.82	1.41	1.35
27	d	301	CLA	C4B-NB	6.82	1.41	1.35
35	d	314	II0	C22-C10	6.81	1.56	1.42
35	i	318	II0	C21-C09	6.81	1.56	1.42
36	c	616	IHT	C24-C26	6.81	1.55	1.42
27	a	309	CLA	C4B-NB	6.80	1.41	1.35
36	g	319	IHT	C04-C06	-6.80	1.35	1.52
27	J	103	CLA	C4B-NB	6.80	1.41	1.35
27	B	830	CLA	C4B-NB	6.80	1.41	1.35
27	a	306	CLA	C4B-NB	6.80	1.41	1.35
36	a	317	IHT	C04-C06	-6.79	1.35	1.52
27	A	830	CLA	C4B-NB	6.79	1.41	1.35
27	O	202	CLA	C4B-NB	6.79	1.41	1.35
27	A	808	CLA	C4B-NB	6.79	1.41	1.35
35	O	203	II0	C24-C26	6.79	1.55	1.42
35	O	203	II0	C22-C10	6.78	1.56	1.42
27	m	612	CLA	C4B-NB	6.78	1.41	1.35
35	k	316	II0	C22-C10	6.78	1.56	1.42
36	g	319	IHT	C02-C07	-6.78	1.44	1.53
35	k	316	II0	C24-C26	6.78	1.55	1.42
27	a	305	CLA	C4B-NB	6.78	1.41	1.35
27	j	609	CLA	C4B-NB	6.78	1.41	1.35
27	A	828	CLA	C4B-NB	6.77	1.41	1.35
36	f	617	IHT	C04-C06	-6.77	1.35	1.52
35	d	312	II0	C22-C10	6.77	1.56	1.42
27	k	305	CLA	C4B-NB	6.77	1.41	1.35
27	h	304	CLA	C4B-NB	6.76	1.41	1.35
35	j	614	II0	C23-C25	6.76	1.55	1.42
27	a	307	CLA	C4B-NB	6.76	1.41	1.35
35	c	614	II0	C22-C10	6.76	1.56	1.42
27	b	602	CLA	C4B-NB	6.76	1.41	1.35
35	m	613	II0	C21-C09	6.75	1.56	1.42
27	n	609	CLA	C4B-NB	6.75	1.41	1.35
27	k	304	CLA	C4B-NB	6.75	1.41	1.35
35	g	318	II0	C23-C25	6.75	1.55	1.42
36	n	617	IHT	C04-C06	-6.74	1.35	1.52
27	g	308	CLA	C4B-NB	6.74	1.41	1.35
36	j	616	IHT	C02-C07	-6.73	1.44	1.53
35	i	318	II0	C23-C25	6.73	1.55	1.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	h	305	CLA	C4B-NB	6.72	1.41	1.35
35	j	613	II0	C23-C25	6.72	1.55	1.42
35	l	315	II0	C22-C10	6.72	1.56	1.42
35	n	615	II0	C23-C25	6.71	1.55	1.42
35	n	616	II0	C21-C09	6.71	1.56	1.42
27	B	822	CLA	C4B-NB	6.71	1.41	1.35
27	B	813	CLA	C4B-NB	6.71	1.41	1.35
35	i	314	II0	C22-C10	6.71	1.56	1.42
35	d	312	II0	C23-C25	6.70	1.55	1.42
27	l	306	CLA	C4B-NB	6.70	1.41	1.35
35	k	314	II0	C22-C10	6.70	1.56	1.42
35	c	613	II0	C22-C10	6.70	1.56	1.42
35	d	312	II0	C24-C26	6.70	1.55	1.42
27	j	605	CLA	C4B-NB	6.69	1.41	1.35
27	m	603	CLA	C4B-NB	6.68	1.41	1.35
35	i	314	II0	C21-C09	6.68	1.56	1.42
35	c	617	II0	C22-C10	6.67	1.56	1.42
35	e	613	II0	C23-C25	6.67	1.55	1.42
35	O	203	II0	C23-C25	6.67	1.55	1.42
35	n	615	II0	C21-C09	6.67	1.56	1.42
35	m	615	II0	C24-C26	6.67	1.55	1.42
35	e	612	II0	C21-C09	6.66	1.56	1.42
27	A	818	CLA	C4B-NB	6.66	1.41	1.35
27	A	853	CLA	C4B-NB	6.66	1.41	1.35
27	g	302	CLA	C4B-NB	6.66	1.41	1.35
35	i	314	II0	C23-C25	6.66	1.55	1.42
27	A	816	CLA	C4B-NB	6.65	1.41	1.35
35	m	615	II0	C22-C10	6.65	1.56	1.42
27	a	304	CLA	C4B-NB	6.65	1.41	1.35
35	d	314	II0	C21-C09	6.65	1.56	1.42
35	d	314	II0	C24-C26	6.64	1.55	1.42
35	e	616	II0	C22-C10	6.62	1.56	1.42
27	A	827	CLA	C4B-NB	6.62	1.41	1.35
27	A	834	CLA	C4B-NB	6.61	1.41	1.35
27	B	823	CLA	C4B-NB	6.61	1.41	1.35
35	a	314	II0	C23-C25	6.60	1.55	1.42
35	e	616	II0	C24-C26	6.60	1.55	1.42
35	d	314	II0	C23-C25	6.60	1.55	1.42
35	c	615	II0	C22-C10	6.60	1.56	1.42
35	j	614	II0	C21-C09	6.60	1.56	1.42
35	c	617	II0	C21-C09	6.60	1.56	1.42
35	l	314	II0	C22-C10	6.59	1.56	1.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	l	313	II0	C23-C25	6.57	1.55	1.42
27	A	838	CLA	C4B-NB	6.57	1.41	1.35
27	a	311	CLA	C4B-NB	6.56	1.41	1.35
35	e	616	II0	C21-C09	6.55	1.56	1.42
27	B	824	CLA	C4B-NB	6.55	1.41	1.35
27	K	102	CLA	C4B-NB	6.55	1.41	1.35
27	b	604	CLA	C4B-NB	6.55	1.41	1.35
35	l	314	II0	C23-C25	6.54	1.55	1.42
35	b	612	II0	C11-C13	-6.54	1.40	1.51
35	d	312	II0	C21-C09	6.54	1.56	1.42
35	b	615	II0	C22-C10	6.53	1.56	1.42
35	i	314	II0	C24-C26	6.53	1.55	1.42
27	A	812	CLA	C4B-NB	6.53	1.41	1.35
35	a	316	II0	C22-C10	6.52	1.56	1.42
35	k	315	II0	C21-C09	6.51	1.56	1.42
35	e	613	II0	C22-C10	6.51	1.56	1.42
27	B	840	CLA	C4B-NB	6.50	1.41	1.35
35	n	618	II0	C23-C25	6.50	1.55	1.42
35	n	616	II0	C22-C10	6.49	1.56	1.42
35	a	316	II0	C23-C25	6.49	1.55	1.42
35	f	615	II0	C23-C25	6.49	1.55	1.42
35	O	203	II0	C21-C09	6.49	1.56	1.42
35	k	318	II0	C21-C09	6.49	1.56	1.42
27	h	302	CLA	C4B-NB	6.48	1.41	1.35
36	f	617	IHT	C24-C26	6.48	1.55	1.42
35	a	314	II0	C21-C09	6.48	1.56	1.42
27	B	821	CLA	C4B-NB	6.48	1.41	1.35
35	e	614	II0	C23-C25	6.47	1.55	1.42
27	A	824	CLA	C4B-NB	6.46	1.41	1.35
35	f	616	II0	C22-C10	6.46	1.56	1.42
27	b	605	CLA	C4B-NB	6.45	1.41	1.35
27	d	302	CLA	C4B-NB	6.45	1.41	1.35
35	f	616	II0	C24-C26	6.45	1.54	1.42
35	h	312	II0	C21-C09	6.45	1.56	1.42
35	k	315	II0	C23-C25	6.45	1.54	1.42
27	B	804	CLA	C4B-NB	6.44	1.41	1.35
35	e	613	II0	C21-C09	6.44	1.56	1.42
35	g	317	II0	C23-C25	6.43	1.54	1.42
27	s	203	CLA	C4B-NB	6.43	1.40	1.35
27	B	803	CLA	C4B-NB	6.42	1.40	1.35
36	R	204	IHT	C24-C26	6.42	1.54	1.42
35	e	614	II0	C21-C09	6.42	1.55	1.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	c	613	II0	C21-C09	6.42	1.55	1.42
35	l	317	II0	C23-C25	6.41	1.54	1.42
35	l	314	II0	C24-C26	6.41	1.54	1.42
35	l	317	II0	C21-C09	6.40	1.55	1.42
35	e	612	II0	C22-C10	6.40	1.55	1.42
35	f	618	II0	C23-C25	6.40	1.54	1.42
35	c	615	II0	C24-C26	6.40	1.54	1.42
35	f	614	II0	C23-C25	6.39	1.54	1.42
27	m	602	CLA	C4B-NB	6.38	1.40	1.35
35	f	614	II0	C21-C09	6.38	1.55	1.42
27	A	832	CLA	C4B-NB	6.38	1.40	1.35
35	k	318	II0	C24-C26	6.37	1.54	1.42
35	l	315	II0	C24-C26	6.37	1.54	1.42
27	A	826	CLA	C4B-NB	6.37	1.40	1.35
36	b	614	IHT	C04-C06	-6.37	1.36	1.52
35	e	612	II0	C24-C26	6.37	1.54	1.42
35	a	315	II0	C22-C10	6.36	1.55	1.42
35	c	617	II0	C24-C26	6.36	1.54	1.42
27	n	605	CLA	C4B-NB	6.36	1.40	1.35
27	B	831	CLA	C4B-NB	6.36	1.40	1.35
35	h	312	II0	C23-C25	6.36	1.54	1.42
35	m	613	II0	C22-C10	6.36	1.55	1.42
36	k	317	IHT	C12-C15	-6.35	1.41	1.51
27	B	805	CLA	C4B-NB	6.35	1.40	1.35
36	m	616	IHT	C24-C26	6.35	1.54	1.42
35	i	313	II0	C22-C10	6.35	1.55	1.42
35	m	614	II0	C23-C25	6.35	1.54	1.42
36	n	617	IHT	C24-C26	6.35	1.54	1.42
35	e	613	II0	C24-C26	6.34	1.54	1.42
36	a	317	IHT	C24-C26	6.34	1.54	1.42
35	m	614	II0	C21-C09	6.34	1.55	1.42
35	f	614	II0	C22-C10	6.33	1.55	1.42
27	B	836	CLA	C4B-NB	6.33	1.40	1.35
35	f	618	II0	C21-C09	6.33	1.55	1.42
35	n	618	II0	C21-C09	6.32	1.55	1.42
36	a	317	IHT	C02-C07	-6.32	1.45	1.53
35	f	615	II0	C21-C09	6.32	1.55	1.42
35	b	613	II0	C24-C26	6.31	1.54	1.42
27	A	833	CLA	C4B-NB	6.31	1.40	1.35
35	m	613	II0	C24-C26	6.31	1.54	1.42
35	l	313	II0	C22-C10	6.30	1.55	1.42
35	c	613	II0	C23-C25	6.30	1.54	1.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	i	313	II0	C21-C09	6.30	1.55	1.42
35	g	316	II0	C24-C26	6.30	1.54	1.42
35	a	316	II0	C21-C09	6.29	1.55	1.42
36	j	616	IHT	C24-C26	6.29	1.54	1.42
35	l	314	II0	C21-C09	6.28	1.55	1.42
35	n	616	II0	C24-C26	6.28	1.54	1.42
27	a	310	CLA	C4B-NB	6.28	1.40	1.35
35	f	614	II0	C24-C26	6.28	1.54	1.42
35	g	318	II0	C24-C26	6.27	1.54	1.42
35	c	614	II0	C23-C25	6.27	1.54	1.42
35	b	612	II0	C23-C25	6.27	1.54	1.42
35	g	316	II0	C22-C10	6.27	1.55	1.42
35	b	615	II0	C24-C26	6.26	1.54	1.42
35	n	614	II0	C23-C25	6.26	1.54	1.42
35	g	317	II0	C21-C09	6.26	1.55	1.42
35	k	318	II0	C22-C10	6.25	1.55	1.42
36	R	204	IHT	C02-C07	-6.24	1.45	1.53
27	j	602	CLA	C4B-NB	6.24	1.40	1.35
35	g	320	II0	C24-C26	6.23	1.54	1.42
36	f	617	IHT	C21-C11	6.23	1.55	1.42
36	g	319	IHT	C12-C15	-6.23	1.41	1.51
27	B	810	CLA	C4B-NB	6.23	1.40	1.35
35	g	320	II0	C23-C25	6.23	1.54	1.42
35	b	612	II0	C21-C09	6.23	1.55	1.42
36	R	204	IHT	C21-C11	6.22	1.55	1.42
35	g	320	II0	C22-C10	6.22	1.55	1.42
35	c	614	II0	C21-C09	6.22	1.55	1.42
36	c	616	IHT	C02-C07	-6.22	1.45	1.53
35	f	616	II0	C11-C13	-6.22	1.41	1.51
35	J	104	II0	C23-C25	6.21	1.54	1.42
35	n	615	II0	C24-C26	6.20	1.54	1.42
35	b	613	II0	C22-C10	6.20	1.55	1.42
36	O	204	IHT	C12-C15	-6.20	1.41	1.51
35	h	311	II0	C22-C10	6.20	1.55	1.42
35	l	313	II0	C21-C09	6.19	1.55	1.42
35	i	313	II0	C24-C26	6.19	1.54	1.42
35	h	311	II0	C23-C25	6.19	1.54	1.42
36	a	317	IHT	C21-C11	6.18	1.55	1.42
35	m	613	II0	C23-C25	6.18	1.54	1.42
27	A	805	CLA	C4B-NB	6.18	1.40	1.35
35	l	313	II0	C24-C26	6.18	1.54	1.42
35	a	315	II0	C23-C25	6.16	1.54	1.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	O	204	IHT	C22-C23	6.15	1.59	1.45
35	a	315	II0	C21-C09	6.14	1.55	1.42
36	k	317	IHT	C24-C26	6.14	1.54	1.42
27	B	833	CLA	C4B-NB	6.14	1.40	1.35
36	f	617	IHT	C02-C07	-6.14	1.45	1.53
35	g	318	II0	C22-C10	6.14	1.55	1.42
35	J	104	II0	C21-C09	6.14	1.55	1.42
36	b	614	IHT	C02-C07	-6.13	1.45	1.53
35	c	613	II0	C24-C26	6.12	1.54	1.42
35	n	614	II0	C21-C09	6.12	1.55	1.42
36	n	617	IHT	C21-C11	6.12	1.55	1.42
35	b	615	II0	C23-C25	6.11	1.54	1.42
36	c	616	IHT	C21-C11	6.11	1.55	1.42
35	a	316	II0	C24-C26	6.11	1.54	1.42
35	m	615	II0	C23-C25	6.09	1.54	1.42
36	n	617	IHT	C02-C07	-6.09	1.45	1.53
35	g	320	II0	C21-C09	6.08	1.55	1.42
36	O	204	IHT	C24-C26	6.07	1.54	1.42
35	m	615	II0	C21-C09	6.06	1.55	1.42
36	j	616	IHT	C21-C11	6.06	1.55	1.42
35	h	312	II0	C24-C26	6.05	1.54	1.42
36	j	616	IHT	C12-C15	-6.04	1.41	1.51
27	A	837	CLA	C4B-NB	6.04	1.40	1.35
36	n	617	IHT	C22-C23	6.04	1.58	1.45
35	n	615	II0	C22-C10	6.03	1.55	1.42
36	c	620	IHT	C22-C23	6.03	1.58	1.45
35	a	315	II0	C24-C26	6.01	1.54	1.42
36	g	319	IHT	C24-C26	6.01	1.54	1.42
35	n	614	II0	C22-C10	6.00	1.55	1.42
36	c	620	IHT	C12-C15	-6.00	1.41	1.51
35	c	614	II0	C24-C26	6.00	1.54	1.42
27	e	607	CLA	C4B-NB	5.99	1.40	1.35
35	k	314	II0	C11-C13	-5.98	1.41	1.51
35	b	613	II0	C23-C25	5.98	1.54	1.42
27	m	605	CLA	C4B-NB	5.98	1.40	1.35
35	h	310	II0	C23-C25	5.98	1.54	1.42
37	d	310	KC2	C2A-C3A	5.97	1.49	1.37
36	O	204	IHT	C02-C07	-5.97	1.45	1.53
35	h	312	II0	C22-C10	5.97	1.55	1.42
35	h	310	II0	C21-C09	5.96	1.55	1.42
36	k	317	IHT	C02-C07	-5.96	1.45	1.53
35	h	311	II0	C21-C09	5.95	1.54	1.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	m	616	IHT	C12-C15	-5.94	1.41	1.51
36	m	616	IHT	C21-C11	5.93	1.54	1.42
35	b	615	II0	C21-C09	5.93	1.54	1.42
36	m	616	IHT	C22-C23	5.92	1.58	1.45
35	k	314	II0	C21-C09	5.92	1.54	1.42
27	g	303	CLA	C4B-NB	5.90	1.40	1.35
36	a	317	IHT	C22-C23	5.90	1.58	1.45
36	R	204	IHT	C22-C23	5.90	1.58	1.45
36	k	317	IHT	C21-C11	5.89	1.54	1.42
35	f	614	II0	C11-C13	-5.88	1.41	1.51
35	h	311	II0	C24-C26	5.88	1.53	1.42
35	J	104	II0	C11-C13	-5.88	1.41	1.51
35	a	315	II0	C11-C13	-5.87	1.41	1.51
36	f	617	IHT	C22-C23	5.87	1.58	1.45
36	k	317	IHT	C22-C23	5.86	1.58	1.45
35	b	613	II0	C21-C09	5.86	1.54	1.42
36	c	620	IHT	C02-C07	-5.85	1.45	1.53
35	b	613	II0	C11-C13	-5.85	1.42	1.51
35	b	612	II0	C22-C10	5.85	1.54	1.42
35	J	104	II0	C22-C10	5.85	1.54	1.42
35	e	613	II0	C11-C13	-5.81	1.42	1.51
35	n	614	II0	C24-C26	5.81	1.53	1.42
35	h	311	II0	C11-C13	-5.80	1.42	1.51
36	c	616	IHT	C22-C23	5.80	1.58	1.45
36	b	614	IHT	C04-C02	5.80	1.67	1.54
35	J	104	II0	C24-C26	5.80	1.53	1.42
35	g	317	II0	C22-C10	5.80	1.54	1.42
36	b	614	IHT	C12-C15	-5.80	1.42	1.51
36	a	317	IHT	C12-C15	-5.78	1.42	1.51
35	b	612	II0	C24-C26	5.77	1.53	1.42
37	e	609	KC2	C2A-C3A	5.77	1.49	1.37
35	l	302	II0	C22-C10	5.76	1.54	1.42
36	c	620	IHT	C21-C11	5.76	1.54	1.42
35	j	614	II0	C22-C10	5.76	1.54	1.42
36	g	319	IHT	C21-C11	5.75	1.54	1.42
35	g	320	II0	C11-C13	-5.75	1.42	1.51
36	n	617	IHT	C12-C15	-5.73	1.42	1.51
35	i	318	II0	C11-C13	-5.73	1.42	1.51
36	c	620	IHT	C24-C26	5.72	1.53	1.42
37	k	311	KC2	C2A-C3A	5.72	1.48	1.37
37	s	204	KC2	CHD-C4C	5.72	1.49	1.35
37	g	313	KC2	C2A-C3A	5.71	1.48	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	k	314	II0	C23-C25	5.70	1.53	1.42
36	m	616	IHT	C02-C07	-5.69	1.45	1.53
35	k	315	II0	C11-C13	-5.69	1.42	1.51
35	l	302	II0	C24-C26	5.68	1.53	1.42
35	a	314	II0	C11-C13	-5.68	1.42	1.51
27	A	815	CLA	C4B-NB	5.68	1.40	1.35
35	d	312	II0	C11-C13	-5.66	1.42	1.51
35	c	614	II0	C11-C13	-5.65	1.42	1.51
36	g	319	IHT	C22-C23	5.65	1.58	1.45
37	k	310	KC2	C2A-C3A	5.65	1.48	1.37
35	c	613	II0	C11-C13	-5.63	1.42	1.51
36	j	616	IHT	C22-C23	5.63	1.58	1.45
37	n	612	KC2	CHD-C4C	5.63	1.49	1.35
37	l	311	KC2	C2A-C3A	5.62	1.48	1.37
35	j	613	II0	C22-C10	5.61	1.54	1.42
36	f	617	IHT	C12-C15	-5.60	1.42	1.51
37	i	317	KC2	CHD-C4C	5.59	1.49	1.35
37	k	312	KC2	C2A-C3A	5.59	1.48	1.37
37	s	201	KC2	CHD-C4C	5.59	1.49	1.35
35	a	316	II0	C11-C13	-5.59	1.42	1.51
36	O	204	IHT	C21-C11	5.58	1.54	1.42
37	c	610	KC2	C2A-C3A	5.58	1.48	1.37
35	f	618	II0	C11-C13	-5.57	1.42	1.51
37	k	311	KC2	C1A-NA	5.57	1.48	1.38
37	f	611	KC2	C2A-C3A	5.56	1.48	1.37
37	m	610	KC2	CHD-C4C	5.56	1.49	1.35
37	d	309	KC2	C2A-C3A	5.55	1.48	1.37
35	l	317	II0	C11-C13	-5.54	1.42	1.51
37	d	309	KC2	CHD-C4C	5.53	1.49	1.35
37	k	312	KC2	CHD-C4C	5.52	1.49	1.35
37	g	314	KC2	C2A-C3A	5.52	1.48	1.37
37	m	610	KC2	C2A-C3A	5.52	1.48	1.37
37	e	609	KC2	CHD-C4C	5.52	1.49	1.35
36	f	617	IHT	C34-C35	5.51	1.57	1.45
35	k	318	II0	C11-C13	-5.51	1.42	1.51
37	c	610	KC2	CHD-C4C	5.50	1.49	1.35
35	e	616	II0	C11-C13	-5.50	1.42	1.51
35	n	615	II0	C11-C13	-5.50	1.42	1.51
37	i	310	KC2	C2A-C3A	5.50	1.48	1.37
36	c	616	IHT	C34-C35	5.50	1.57	1.45
35	l	314	II0	C11-C13	-5.50	1.42	1.51
37	i	310	KC2	CHD-C4C	5.49	1.49	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	j	613	II0	C11-C13	-5.49	1.42	1.51
35	g	317	II0	C24-C26	5.49	1.53	1.42
37	n	612	KC2	OBD-CAD	5.49	1.30	1.22
35	j	613	II0	C24-C26	5.48	1.53	1.42
35	h	310	II0	C11-C13	-5.48	1.42	1.51
37	i	317	KC2	C2A-C3A	5.48	1.48	1.37
35	g	316	II0	C21-C09	5.47	1.53	1.42
35	k	316	II0	C11-C13	-5.47	1.42	1.51
37	g	312	KC2	CHD-C4C	5.46	1.49	1.35
36	b	614	IHT	C24-C26	5.45	1.53	1.42
37	j	610	KC2	C2A-C3A	5.45	1.48	1.37
37	d	310	KC2	OBD-CAD	5.44	1.29	1.22
37	g	312	KC2	C2A-C3A	5.44	1.48	1.37
37	g	314	KC2	CHD-C4C	5.44	1.48	1.35
35	n	614	II0	C11-C13	-5.43	1.42	1.51
36	n	617	IHT	C34-C35	5.43	1.57	1.45
35	e	614	II0	C11-C13	-5.42	1.42	1.51
37	k	310	KC2	CHD-C4C	5.42	1.48	1.35
37	s	204	KC2	C3D-C2D	5.42	1.49	1.39
37	g	313	KC2	CHD-C4C	5.41	1.48	1.35
36	R	204	IHT	C34-C35	5.41	1.57	1.45
36	m	616	IHT	C34-C35	5.41	1.57	1.45
37	k	311	KC2	OBD-CAD	5.40	1.29	1.22
35	m	614	II0	C22-C10	5.40	1.53	1.42
35	k	315	II0	C22-C10	5.40	1.53	1.42
35	g	317	II0	C11-C13	-5.40	1.42	1.51
35	m	615	II0	C11-C13	-5.39	1.42	1.51
37	n	611	KC2	C2A-C3A	5.39	1.48	1.37
35	m	614	II0	C11-C13	-5.38	1.42	1.51
37	i	310	KC2	C1A-NA	5.38	1.48	1.38
37	f	611	KC2	CHD-C4C	5.38	1.48	1.35
36	R	204	IHT	C12-C15	-5.38	1.42	1.51
37	i	317	KC2	CHB-C1B	5.37	1.48	1.38
37	i	317	KC2	C3B-C2B	5.37	1.48	1.37
35	g	316	II0	C11-C13	-5.36	1.42	1.51
37	g	312	KC2	C1A-NA	5.36	1.48	1.38
35	g	318	II0	C11-C13	-5.36	1.42	1.51
35	h	312	II0	C11-C13	-5.36	1.42	1.51
37	k	312	KC2	OBD-CAD	5.35	1.29	1.22
37	j	610	KC2	CHD-C4C	5.35	1.48	1.35
35	j	614	II0	C11-C13	-5.34	1.42	1.51
37	n	611	KC2	C1A-NA	5.33	1.48	1.38

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	a	314	II0	C24-C26	5.33	1.52	1.42
35	g	316	II0	C23-C25	5.33	1.52	1.42
37	k	311	KC2	CHD-C4C	5.33	1.48	1.35
37	l	311	KC2	CHD-C4C	5.33	1.48	1.35
37	g	314	KC2	C1A-NA	5.32	1.48	1.38
36	b	614	IHT	C30-C27	5.32	1.59	1.43
35	f	615	II0	C22-C10	5.31	1.53	1.42
37	g	313	KC2	C1A-NA	5.31	1.48	1.38
35	l	302	II0	C11-C13	-5.31	1.42	1.51
35	j	614	II0	C24-C26	5.31	1.52	1.42
35	c	615	II0	C11-C13	-5.30	1.42	1.51
35	d	314	II0	C11-C13	-5.30	1.42	1.51
37	k	310	KC2	C3C-C2C	5.29	1.48	1.37
37	d	310	KC2	CHD-C4C	5.28	1.48	1.35
35	l	313	II0	C11-C13	-5.28	1.42	1.51
37	j	610	KC2	C1A-NA	5.28	1.48	1.38
35	d	313	II0	C11-C13	-5.27	1.42	1.51
35	a	314	II0	C22-C10	5.27	1.53	1.42
37	k	310	KC2	OBD-CAD	5.27	1.29	1.22
35	l	315	II0	C11-C13	-5.27	1.42	1.51
35	O	203	II0	C11-C13	-5.26	1.42	1.51
37	m	610	KC2	OBD-CAD	5.26	1.29	1.22
37	i	317	KC2	OBD-CAD	5.25	1.29	1.22
35	m	613	II0	C11-C13	-5.25	1.42	1.51
37	i	317	KC2	C3D-C2D	5.25	1.48	1.39
37	n	612	KC2	C2A-C3A	5.25	1.47	1.37
35	a	318	II0	C11-C13	-5.25	1.42	1.51
37	g	314	KC2	OBD-CAD	5.25	1.29	1.22
35	i	313	II0	C11-C13	-5.24	1.42	1.51
37	s	204	KC2	C3C-C2C	5.24	1.47	1.37
37	f	611	KC2	C1A-NA	5.24	1.48	1.38
37	e	609	KC2	C1A-NA	5.23	1.48	1.38
37	g	314	KC2	C3C-C2C	5.23	1.47	1.37
37	d	309	KC2	OBD-CAD	5.23	1.29	1.22
37	l	311	KC2	C3C-C2C	5.22	1.47	1.37
37	d	309	KC2	C3C-C2C	5.22	1.47	1.37
37	m	610	KC2	C3C-C2C	5.21	1.47	1.37
37	k	312	KC2	C1A-NA	5.21	1.48	1.38
37	n	611	KC2	CHD-C4C	5.20	1.48	1.35
37	e	609	KC2	C3C-C2C	5.20	1.47	1.37
37	j	610	KC2	C3C-C2C	5.19	1.47	1.37
37	c	610	KC2	C1A-NA	5.18	1.48	1.38

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	s	204	KC2	OBD-CAD	5.18	1.29	1.22
37	l	311	KC2	C1A-NA	5.18	1.48	1.38
35	b	615	II0	C11-C13	-5.17	1.43	1.51
36	c	620	IHT	C04-C02	5.17	1.66	1.54
36	j	616	IHT	C34-C35	5.17	1.57	1.45
36	b	614	IHT	C21-C11	5.16	1.53	1.42
37	k	310	KC2	C1A-NA	5.16	1.48	1.38
37	m	610	KC2	C1A-NA	5.16	1.48	1.38
37	j	610	KC2	OBD-CAD	5.16	1.29	1.22
37	i	310	KC2	C3C-C2C	5.15	1.47	1.37
37	g	313	KC2	OBD-CAD	5.15	1.29	1.22
36	m	616	IHT	C04-C02	5.14	1.66	1.54
37	l	311	KC2	OBD-CAD	5.14	1.29	1.22
37	k	312	KC2	C3C-C2C	5.14	1.47	1.37
35	m	614	II0	C24-C26	5.13	1.52	1.42
35	i	314	II0	C11-C13	-5.13	1.43	1.51
36	g	319	IHT	C34-C35	5.12	1.56	1.45
36	a	317	IHT	C34-C35	5.12	1.56	1.45
36	f	617	IHT	C04-C02	5.11	1.65	1.54
37	n	612	KC2	C3C-C2C	5.11	1.47	1.37
36	c	616	IHT	C12-C15	-5.10	1.43	1.51
36	k	317	IHT	C34-C35	5.10	1.56	1.45
37	s	201	KC2	C3C-C2C	5.10	1.47	1.37
36	O	204	IHT	C04-C02	5.09	1.65	1.54
36	n	617	IHT	C04-C02	5.09	1.65	1.54
37	c	610	KC2	C3C-C2C	5.08	1.47	1.37
37	c	610	KC2	OBD-CAD	5.08	1.29	1.22
37	d	309	KC2	C1A-NA	5.07	1.47	1.38
37	k	311	KC2	C3C-C2C	5.06	1.47	1.37
37	g	313	KC2	C3C-C2C	5.06	1.47	1.37
35	k	315	II0	C24-C26	5.06	1.52	1.42
37	k	312	KC2	C3B-C2B	5.06	1.47	1.37
37	f	611	KC2	C3C-C2C	5.06	1.47	1.37
35	e	612	II0	C11-C13	-5.06	1.43	1.51
37	n	611	KC2	OBD-CAD	5.05	1.29	1.22
37	i	317	KC2	C3C-C2C	5.05	1.47	1.37
36	O	204	IHT	C34-C35	5.05	1.56	1.45
37	c	610	KC2	C3B-C2B	5.04	1.47	1.37
36	c	616	IHT	C04-C02	5.03	1.65	1.54
37	d	310	KC2	C3C-C2C	5.02	1.47	1.37
37	n	612	KC2	C3D-C2D	5.02	1.48	1.39
37	f	611	KC2	C3D-C2D	5.02	1.48	1.39

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	g	312	KC2	C3C-C2C	5.02	1.47	1.37
37	c	610	KC2	C3D-C2D	5.01	1.48	1.39
37	f	611	KC2	C3B-C2B	5.01	1.47	1.37
35	j	615	II0	C11-C13	-5.01	1.43	1.51
37	j	610	KC2	C3B-C2B	5.00	1.47	1.37
37	i	310	KC2	OBD-CAD	5.00	1.29	1.22
37	g	314	KC2	C3B-C2B	5.00	1.47	1.37
37	g	312	KC2	OBD-CAD	4.99	1.29	1.22
37	g	312	KC2	C3D-C2D	4.99	1.48	1.39
37	l	311	KC2	C3D-C2D	4.99	1.48	1.39
37	m	610	KC2	C3D-C2D	4.98	1.48	1.39
37	n	611	KC2	C3B-C2B	4.98	1.47	1.37
37	m	610	KC2	C3B-C2B	4.97	1.47	1.37
36	R	204	IHT	C04-C02	4.97	1.65	1.54
37	d	309	KC2	C3B-C2B	4.97	1.47	1.37
37	g	313	KC2	C3B-C2B	4.97	1.47	1.37
35	f	615	II0	C24-C26	4.96	1.52	1.42
36	c	620	IHT	C34-C35	4.95	1.56	1.45
29	g	301	LHG	O7-C7	4.95	1.48	1.34
35	f	615	II0	C11-C13	-4.94	1.43	1.51
37	e	609	KC2	C3B-C2B	4.94	1.47	1.37
37	e	609	KC2	OBD-CAD	4.94	1.29	1.22
37	g	312	KC2	C3B-C2B	4.94	1.47	1.37
36	b	614	IHT	C06-C09	4.94	1.68	1.52
36	j	616	IHT	C04-C02	4.93	1.65	1.54
37	n	611	KC2	C3C-C2C	4.92	1.47	1.37
37	l	311	KC2	C3B-C2B	4.92	1.47	1.37
37	d	309	KC2	C3D-C2D	4.92	1.48	1.39
37	n	611	KC2	C3D-C2D	4.91	1.48	1.39
37	i	317	KC2	C1A-NA	4.91	1.47	1.38
37	d	310	KC2	C3B-C2B	4.91	1.47	1.37
37	k	312	KC2	C3D-C2D	4.90	1.48	1.39
37	s	204	KC2	C1A-NA	4.90	1.47	1.38
36	k	317	IHT	C04-C02	4.89	1.65	1.54
35	n	616	II0	C11-C13	-4.89	1.43	1.51
37	n	612	KC2	C3B-C2B	4.89	1.47	1.37
37	k	310	KC2	C3B-C2B	4.88	1.47	1.37
36	g	319	IHT	C04-C02	4.88	1.65	1.54
37	g	314	KC2	C3D-C2D	4.88	1.48	1.39
36	a	317	IHT	C04-C02	4.88	1.65	1.54
35	c	617	II0	C11-C13	-4.87	1.43	1.51
37	i	310	KC2	C3D-C2D	4.87	1.48	1.39

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	g	313	KC2	C3D-C2D	4.85	1.48	1.39
37	s	201	KC2	C2A-C3A	4.83	1.47	1.37
37	n	612	KC2	C1A-NA	4.83	1.47	1.38
37	j	610	KC2	C3D-C2D	4.83	1.48	1.39
37	d	310	KC2	C1A-NA	4.82	1.47	1.38
37	i	310	KC2	C3B-C2B	4.81	1.47	1.37
35	k	316	II0	C31-C29	4.81	1.58	1.43
37	k	310	KC2	C3D-C2D	4.79	1.48	1.39
35	l	315	II0	C31-C29	4.78	1.58	1.43
37	k	310	KC2	O2D-CGD	4.77	1.44	1.33
37	e	609	KC2	C3D-C2D	4.77	1.48	1.39
37	s	201	KC2	OBD-CAD	4.77	1.29	1.22
36	R	204	IHT	C06-C09	4.75	1.67	1.52
36	a	317	IHT	C06-C09	4.75	1.67	1.52
37	n	612	KC2	O2D-CGD	4.74	1.44	1.33
37	f	611	KC2	OBD-CAD	4.73	1.28	1.22
37	i	317	KC2	O2D-CGD	4.73	1.44	1.33
36	O	204	IHT	C06-C09	4.71	1.67	1.52
37	k	311	KC2	C3B-C2B	4.71	1.46	1.37
35	n	618	II0	C11-C13	-4.71	1.43	1.51
36	n	617	IHT	C06-C09	4.71	1.67	1.52
36	k	317	IHT	C06-C09	4.70	1.67	1.52
37	s	204	KC2	C3B-C2B	4.69	1.46	1.37
37	d	309	KC2	O2D-CGD	4.69	1.44	1.33
37	s	201	KC2	C3B-C2B	4.69	1.46	1.37
34	c	619	LMG	O7-C10	4.68	1.47	1.34
36	b	614	IHT	C41-C38	4.67	1.57	1.43
36	c	616	IHT	C06-C09	4.67	1.67	1.52
35	i	318	II0	C24-C26	4.65	1.51	1.42
37	m	610	KC2	O2D-CGD	4.65	1.44	1.33
36	b	614	IHT	C32-C33	4.64	1.55	1.45
28	A	843	PQN	C10-C1	4.64	1.57	1.48
29	i	316	LHG	O8-C23	4.64	1.46	1.33
36	j	616	IHT	C06-C09	4.64	1.67	1.52
37	k	312	KC2	O2D-CGD	4.63	1.44	1.33
36	f	617	IHT	C06-C09	4.62	1.67	1.52
37	e	609	KC2	O2D-CGD	4.61	1.44	1.33
37	s	204	KC2	C2A-C3A	4.61	1.46	1.37
37	g	314	KC2	O2D-CGD	4.61	1.44	1.33
37	d	310	KC2	C3D-C2D	4.61	1.47	1.39
35	k	314	II0	C42-C40	4.61	1.57	1.43
28	B	841	PQN	C10-C1	4.61	1.56	1.48

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	k	311	KC2	O2D-CGD	4.60	1.44	1.33
35	n	614	II0	C31-C29	4.60	1.57	1.43
37	g	312	KC2	O2D-CGD	4.59	1.44	1.33
37	l	311	KC2	O2D-CGD	4.59	1.44	1.33
37	j	610	KC2	O2D-CGD	4.59	1.44	1.33
37	i	310	KC2	O2D-CGD	4.59	1.44	1.33
37	c	610	KC2	O2D-CGD	4.59	1.44	1.33
28	A	843	PQN	C5-C4	4.57	1.56	1.48
37	k	311	KC2	C3D-C2D	4.57	1.47	1.39
35	e	616	II0	C42-C40	4.57	1.57	1.43
35	d	313	II0	C32-C30	4.56	1.57	1.43
37	i	317	KC2	CHC-C4B	4.56	1.47	1.38
36	m	616	IHT	C06-C09	4.56	1.66	1.52
37	n	611	KC2	O2D-CGD	4.56	1.44	1.33
36	c	620	IHT	C06-C09	4.55	1.66	1.52
37	d	310	KC2	O2D-CGD	4.55	1.44	1.33
37	g	313	KC2	O2D-CGD	4.55	1.44	1.33
35	l	317	II0	C32-C30	4.55	1.57	1.43
29	c	618	LHG	O8-C23	4.53	1.46	1.33
35	a	318	II0	C31-C29	4.53	1.57	1.43
37	f	611	KC2	O2D-CGD	4.52	1.44	1.33
36	g	319	IHT	C06-C09	4.52	1.66	1.52
35	i	318	II0	C12-C14	-4.52	1.44	1.51
35	i	318	II0	C42-C40	4.51	1.57	1.43
29	g	321	LHG	O7-C7	4.51	1.47	1.34
35	g	320	II0	C32-C30	4.51	1.57	1.43
28	B	841	PQN	C5-C4	4.50	1.56	1.48
35	k	314	II0	C32-C30	4.49	1.57	1.43
36	n	617	IHT	C30-C27	4.49	1.57	1.43
35	a	318	II0	C32-C30	4.49	1.57	1.43
35	l	317	II0	C42-C40	4.48	1.57	1.43
35	k	314	II0	C12-C14	-4.48	1.44	1.51
29	j	617	LHG	O7-C7	4.48	1.46	1.34
35	k	316	II0	C42-C40	4.47	1.57	1.43
36	O	204	IHT	C30-C27	4.47	1.57	1.43
36	a	317	IHT	C30-C27	4.47	1.57	1.43
35	d	313	II0	C42-C40	4.46	1.57	1.43
35	m	613	II0	C31-C29	4.45	1.57	1.43
27	B	839	CLA	C4D-ND	-4.45	1.31	1.37
35	i	318	II0	C22-C10	4.45	1.51	1.42
29	d	315	LHG	O7-C7	4.43	1.46	1.34
35	a	318	II0	C42-C40	4.43	1.57	1.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	n	618	II0	C32-C30	4.42	1.57	1.43
27	A	813	CLA	C1D-ND	4.42	1.43	1.37
35	k	314	II0	C41-C39	4.41	1.57	1.43
36	f	617	IHT	C30-C27	4.40	1.57	1.43
29	k	319	LHG	O7-C7	4.40	1.46	1.34
35	f	618	II0	C32-C30	4.39	1.57	1.43
35	e	612	II0	C32-C30	4.39	1.57	1.43
33	B	842	DGD	O2G-C1B	4.39	1.46	1.34
36	c	616	IHT	C30-C27	4.37	1.57	1.43
36	b	614	IHT	C40-C37	4.37	1.57	1.43
35	j	615	II0	C42-C40	4.37	1.57	1.43
36	j	616	IHT	C30-C27	4.37	1.57	1.43
29	b	618	LHG	O7-C7	4.36	1.46	1.34
36	R	204	IHT	C30-C27	4.36	1.57	1.43
35	k	314	II0	C34-C36	4.36	1.55	1.45
37	d	310	KC2	CHB-C1B	4.36	1.46	1.38
35	d	313	II0	C31-C29	4.36	1.56	1.43
35	k	318	II0	C31-C29	4.35	1.56	1.43
36	k	317	IHT	C30-C27	4.35	1.56	1.43
29	e	617	LHG	O7-C7	4.34	1.46	1.34
35	O	203	II0	C31-C29	4.34	1.56	1.43
35	e	616	II0	C41-C39	4.34	1.56	1.43
35	j	615	II0	C31-C29	4.34	1.56	1.43
35	i	314	II0	C42-C40	4.33	1.56	1.43
27	d	308	CLA	C1D-ND	4.33	1.43	1.37
35	h	310	II0	C42-C40	4.32	1.56	1.43
35	d	313	II0	C34-C36	4.32	1.55	1.45
30	F	204	WVN	C28-C25	-4.32	1.30	1.35
36	m	616	IHT	C30-C27	4.31	1.56	1.43
35	k	316	II0	C32-C30	4.31	1.56	1.43
35	n	616	II0	C31-C29	4.31	1.56	1.43
29	A	844	LHG	O7-C7	4.30	1.46	1.34
35	j	615	II0	C32-C30	4.30	1.56	1.43
35	l	317	II0	C31-C29	4.29	1.56	1.43
35	m	615	II0	C32-C30	4.29	1.56	1.43
35	d	314	II0	C42-C40	4.28	1.56	1.43
34	F	206	LMG	O7-C10	4.28	1.46	1.34
30	B	844	WVN	C26-C22	-4.27	1.30	1.35
35	l	315	II0	C42-C40	4.27	1.56	1.43
35	g	318	II0	C31-C29	4.26	1.56	1.43
29	A	844	LHG	O8-C23	4.26	1.45	1.33
35	c	617	II0	C31-C29	4.26	1.56	1.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	e	616	II0	C31-C29	4.25	1.56	1.43
35	l	313	II0	C31-C29	4.25	1.56	1.43
29	a	319	LHG	O8-C23	4.25	1.45	1.33
29	c	618	LHG	O7-C7	4.25	1.46	1.34
35	e	612	II0	C31-C29	4.24	1.56	1.43
35	f	618	II0	C42-C40	4.24	1.56	1.43
35	n	615	II0	C31-C29	4.24	1.56	1.43
35	n	616	II0	C42-C40	4.24	1.56	1.43
34	b	619	LMG	O7-C10	4.24	1.46	1.34
35	e	612	II0	C42-C40	4.23	1.56	1.43
36	g	319	IHT	C30-C27	4.23	1.56	1.43
35	g	320	II0	C42-C40	4.23	1.56	1.43
34	O	205	LMG	O8-C28	4.23	1.45	1.33
29	i	316	LHG	O7-C7	4.22	1.46	1.34
35	d	314	II0	C31-C29	4.22	1.56	1.43
35	k	318	II0	C42-C40	4.22	1.56	1.43
29	b	618	LHG	O8-C23	4.22	1.45	1.33
35	i	314	II0	C32-C30	4.21	1.56	1.43
29	j	617	LHG	O8-C23	4.21	1.45	1.33
37	s	201	KC2	O2D-CGD	4.21	1.43	1.33
35	d	314	II0	C32-C30	4.21	1.56	1.43
37	s	204	KC2	C1B-NB	-4.21	1.32	1.37
35	f	614	II0	C42-C40	4.20	1.56	1.43
37	e	609	KC2	CHB-C1B	4.20	1.46	1.38
35	J	104	II0	C31-C29	4.20	1.56	1.43
35	f	618	II0	C31-C29	4.20	1.56	1.43
34	O	205	LMG	O7-C10	4.19	1.46	1.34
35	i	313	II0	C42-C40	4.19	1.56	1.43
27	i	311	CLA	C1D-ND	4.19	1.42	1.37
29	c	621	LHG	O7-C7	4.18	1.46	1.34
35	i	313	II0	C31-C29	4.18	1.56	1.43
35	a	318	II0	C06-C04	4.18	1.67	1.54
29	g	321	LHG	O8-C23	4.17	1.45	1.33
37	g	312	KC2	CBC-CAC	4.17	1.51	1.30
29	k	319	LHG	O8-C23	4.17	1.45	1.33
37	i	310	KC2	CBC-CAC	4.17	1.51	1.30
35	f	614	II0	C32-C30	4.17	1.56	1.43
37	k	311	KC2	CBC-CAC	4.16	1.50	1.30
29	A	850	LHG	O8-C23	4.16	1.45	1.33
35	n	618	II0	C42-C40	4.16	1.56	1.43
35	d	313	II0	C41-C39	4.16	1.56	1.43
35	d	313	II0	C06-C04	4.16	1.67	1.54

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	d	312	II0	C31-C29	4.16	1.56	1.43
37	f	611	KC2	CBC-CAC	4.15	1.50	1.30
35	m	613	II0	C42-C40	4.15	1.56	1.43
35	k	315	II0	C12-C14	-4.15	1.44	1.51
35	g	320	II0	C31-C29	4.15	1.56	1.43
37	s	204	KC2	O2D-CGD	4.15	1.43	1.33
35	f	616	II0	C42-C40	4.15	1.56	1.43
37	k	312	KC2	CBC-CAC	4.15	1.50	1.30
29	n	619	LHG	O7-C7	4.14	1.46	1.34
35	a	318	II0	C41-C39	4.14	1.56	1.43
30	L	201	WVN	C28-C25	-4.14	1.30	1.35
35	d	312	II0	C32-C30	4.14	1.56	1.43
35	k	316	II0	C06-C04	4.14	1.67	1.54
35	l	314	II0	C42-C40	4.13	1.56	1.43
35	a	316	II0	C31-C29	4.13	1.56	1.43
37	c	610	KC2	CHB-C1B	4.13	1.46	1.38
37	s	201	KC2	CBC-CAC	4.13	1.50	1.30
37	i	317	KC2	CHC-C1C	4.13	1.48	1.39
37	k	310	KC2	CBC-CAC	4.13	1.50	1.30
29	l	318	LHG	O8-C23	4.13	1.45	1.33
35	b	615	II0	C06-C04	4.12	1.67	1.54
37	c	610	KC2	CBC-CAC	4.12	1.50	1.30
37	e	609	KC2	CBC-CAC	4.12	1.50	1.30
35	l	314	II0	C31-C29	4.12	1.56	1.43
35	O	203	II0	C32-C30	4.12	1.56	1.43
35	d	312	II0	C42-C40	4.12	1.56	1.43
37	m	610	KC2	CBC-CAC	4.12	1.50	1.30
27	f	605	CLA	C1D-ND	4.12	1.42	1.37
35	k	316	II0	C41-C39	4.12	1.56	1.43
37	k	310	KC2	CHC-C4B	4.12	1.46	1.38
37	i	310	KC2	CHB-C1B	4.12	1.46	1.38
35	f	614	II0	C06-C04	4.11	1.67	1.54
35	a	318	II0	C34-C36	4.11	1.54	1.45
35	j	613	II0	C06-C04	4.11	1.67	1.54
29	a	301	LHG	O8-C23	4.11	1.45	1.33
29	d	315	LHG	O8-C23	4.11	1.45	1.33
29	m	617	LHG	O7-C7	4.11	1.45	1.34
37	j	610	KC2	CBC-CAC	4.10	1.50	1.30
37	f	611	KC2	CHB-C1B	4.10	1.46	1.38
37	s	201	KC2	C1A-NA	4.10	1.46	1.38
34	s	210	LMG	O8-C28	4.10	1.45	1.33
37	i	317	KC2	CBC-CAC	4.10	1.50	1.30

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	i	314	II0	C06-C04	4.10	1.67	1.54
37	k	312	KC2	CHB-C1B	4.10	1.46	1.38
37	l	311	KC2	CBC-CAC	4.10	1.50	1.30
37	j	610	KC2	CHB-C1B	4.10	1.46	1.38
35	i	318	II0	C32-C30	4.10	1.56	1.43
35	e	616	II0	C06-C04	4.10	1.67	1.54
27	d	307	CLA	C1D-ND	4.10	1.42	1.37
37	g	314	KC2	CBC-CAC	4.10	1.50	1.30
35	c	613	II0	C32-C30	4.10	1.56	1.43
29	e	617	LHG	O8-C23	4.09	1.45	1.33
35	m	614	II0	C31-C29	4.09	1.56	1.43
30	s	205	WVN	C37-C34	-4.09	1.30	1.35
34	L	208	LMG	O7-C10	4.09	1.45	1.34
35	c	615	II0	C06-C04	4.09	1.67	1.54
35	h	312	II0	C06-C04	4.09	1.67	1.54
35	c	617	II0	C06-C04	4.09	1.67	1.54
37	m	610	KC2	CHB-C1B	4.09	1.46	1.38
35	e	616	II0	C32-C30	4.08	1.56	1.43
37	d	309	KC2	CBC-CAC	4.08	1.50	1.30
37	g	314	KC2	CHB-C1B	4.08	1.46	1.38
35	c	617	II0	C32-C30	4.08	1.56	1.43
35	n	614	II0	C06-C04	4.08	1.67	1.54
35	c	617	II0	C42-C40	4.08	1.56	1.43
29	c	621	LHG	O8-C23	4.08	1.45	1.33
37	s	204	KC2	CBC-CAC	4.08	1.50	1.30
35	j	614	II0	C42-C40	4.07	1.56	1.43
35	m	613	II0	C41-C39	4.07	1.56	1.43
29	L	207	LHG	O8-C23	4.07	1.45	1.33
37	g	313	KC2	CBC-CAC	4.07	1.50	1.30
34	F	206	LMG	O8-C28	4.07	1.45	1.33
35	c	615	II0	C31-C29	4.07	1.56	1.43
35	i	318	II0	C41-C39	4.07	1.56	1.43
35	f	618	II0	C06-C04	4.07	1.67	1.54
35	k	318	II0	C06-C04	4.06	1.67	1.54
37	k	310	KC2	CHB-C1B	4.06	1.46	1.38
35	f	614	II0	C31-C29	4.06	1.56	1.43
27	k	308	CLA	C4D-ND	-4.06	1.32	1.37
35	e	614	II0	C06-C04	4.06	1.67	1.54
35	a	316	II0	C42-C40	4.06	1.56	1.43
35	f	615	II0	C31-C29	4.06	1.56	1.43
34	b	619	LMG	O8-C28	4.05	1.45	1.33
35	O	203	II0	C42-C40	4.05	1.56	1.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	g	316	II0	C41-C39	4.05	1.56	1.43
35	e	613	II0	C31-C29	4.05	1.56	1.43
35	n	616	II0	C32-C30	4.05	1.56	1.43
35	c	615	II0	C42-C40	4.05	1.56	1.43
35	f	614	II0	C41-C39	4.05	1.56	1.43
35	b	613	II0	C32-C30	4.05	1.56	1.43
37	n	611	KC2	CHB-C1B	4.05	1.46	1.38
35	f	616	II0	C31-C29	4.05	1.56	1.43
35	e	614	II0	C42-C40	4.04	1.56	1.43
37	n	611	KC2	CBC-CAC	4.04	1.50	1.30
35	c	614	II0	C32-C30	4.04	1.56	1.43
29	l	318	LHG	O7-C7	4.04	1.45	1.34
37	d	310	KC2	CBC-CAC	4.04	1.50	1.30
30	F	205	WVN	C36-C32	-4.04	1.30	1.35
37	n	611	KC2	CHC-C4B	4.04	1.46	1.38
37	d	309	KC2	CHB-C1B	4.03	1.46	1.38
35	l	315	II0	C32-C30	4.03	1.55	1.43
35	l	302	II0	C31-C29	4.03	1.55	1.43
35	f	618	II0	C41-C39	4.03	1.55	1.43
35	j	614	II0	C31-C29	4.03	1.55	1.43
37	g	312	KC2	CHB-C1B	4.03	1.46	1.38
35	l	315	II0	C06-C04	4.03	1.67	1.54
35	g	318	II0	C42-C40	4.03	1.55	1.43
27	f	608	CLA	C1D-ND	4.03	1.42	1.37
29	J	107	LHG	O8-C23	4.02	1.45	1.33
29	A	845	LHG	O8-C23	4.02	1.45	1.33
35	c	615	II0	C32-C30	4.02	1.55	1.43
34	c	619	LMG	O8-C28	4.02	1.45	1.33
27	a	305	CLA	C1D-ND	4.02	1.42	1.37
35	g	318	II0	C32-C30	4.02	1.55	1.43
29	f	619	LHG	O7-C7	4.02	1.45	1.34
35	c	614	II0	C31-C29	4.01	1.55	1.43
37	f	611	KC2	CHC-C4B	4.01	1.46	1.38
35	g	317	II0	C31-C29	4.01	1.55	1.43
27	j	603	CLA	C1D-ND	4.01	1.42	1.37
29	J	107	LHG	O7-C7	4.01	1.45	1.34
37	i	310	KC2	CHC-C4B	4.01	1.46	1.38
35	i	313	II0	C12-C14	-4.01	1.44	1.51
35	h	311	II0	C32-C30	4.01	1.55	1.43
37	j	610	KC2	CHC-C4B	4.01	1.46	1.38
37	l	311	KC2	CHB-C1B	4.01	1.46	1.38
37	n	612	KC2	CHC-C4B	4.00	1.46	1.38

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	A	845	LHG	O7-C7	4.00	1.45	1.34
35	g	318	II0	C06-C04	4.00	1.67	1.54
37	m	610	KC2	CHC-C4B	4.00	1.46	1.38
35	l	313	II0	C32-C30	4.00	1.55	1.43
37	g	314	KC2	CHC-C4B	4.00	1.46	1.38
35	c	613	II0	C42-C40	3.99	1.55	1.43
35	e	614	II0	C31-C29	3.99	1.55	1.43
27	d	311	CLA	C1D-ND	3.99	1.42	1.37
29	A	850	LHG	O7-C7	3.99	1.45	1.34
35	n	615	II0	C42-C40	3.98	1.55	1.43
35	l	313	II0	C42-C40	3.98	1.55	1.43
35	k	315	II0	C31-C29	3.98	1.55	1.43
35	c	613	II0	C31-C29	3.98	1.55	1.43
27	i	312	CLA	C1D-ND	3.97	1.42	1.37
35	e	614	II0	C32-C30	3.97	1.55	1.43
27	k	304	CLA	C1D-ND	3.97	1.42	1.37
27	h	308	CLA	C1D-ND	3.97	1.42	1.37
35	n	614	II0	C33-C35	3.97	1.54	1.45
37	k	312	KC2	CHC-C4B	3.96	1.46	1.38
29	m	617	LHG	O8-C23	3.96	1.44	1.33
33	B	842	DGD	O1G-C1A	3.96	1.44	1.33
35	b	613	II0	C42-C40	3.96	1.55	1.43
35	m	613	II0	C32-C30	3.96	1.55	1.43
35	d	314	II0	C06-C04	3.95	1.67	1.54
35	i	318	II0	C31-C29	3.95	1.55	1.43
35	h	312	II0	C12-C14	-3.95	1.44	1.51
35	g	316	II0	C06-C04	3.95	1.67	1.54
37	c	610	KC2	CHC-C4B	3.95	1.46	1.38
35	f	616	II0	C32-C30	3.95	1.55	1.43
35	a	314	II0	C31-C29	3.95	1.55	1.43
36	b	614	IHT	C05-C03	3.94	1.67	1.54
37	d	310	KC2	CHC-C4B	3.94	1.46	1.38
35	e	612	II0	C06-C04	3.94	1.67	1.54
35	j	615	II0	C06-C04	3.94	1.67	1.54
36	j	616	IHT	C09-C10	-3.94	1.43	1.51
35	m	615	II0	C42-C40	3.94	1.55	1.43
29	f	619	LHG	O8-C23	3.94	1.44	1.33
35	b	615	II0	C31-C29	3.94	1.55	1.43
35	l	314	II0	C32-C30	3.93	1.55	1.43
30	B	844	WVN	C36-C32	-3.93	1.30	1.35
36	j	616	IHT	C05-C03	3.93	1.67	1.54
36	m	616	IHT	C09-C10	-3.93	1.43	1.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	L	208	LMG	O8-C28	3.93	1.44	1.33
27	k	306	CLA	C1D-ND	3.93	1.42	1.37
38	i	301	LMU	O5B-C1B	3.93	1.51	1.41
37	l	311	KC2	CHC-C4B	3.93	1.46	1.38
27	c	612	CLA	C1D-ND	3.93	1.42	1.37
35	g	320	II0	C06-C04	3.93	1.67	1.54
35	j	615	II0	C41-C39	3.93	1.55	1.43
35	i	314	II0	C31-C29	3.93	1.55	1.43
35	c	613	II0	C06-C04	3.92	1.67	1.54
27	n	605	CLA	C1D-ND	3.92	1.42	1.37
27	k	307	CLA	C1D-ND	3.92	1.42	1.37
27	A	801	CLA	C1D-ND	3.92	1.42	1.37
27	h	306	CLA	C4D-ND	-3.92	1.32	1.37
35	n	618	II0	C06-C04	3.92	1.67	1.54
37	g	312	KC2	CHC-C4B	3.92	1.46	1.38
35	m	613	II0	C06-C04	3.92	1.67	1.54
37	d	309	KC2	CHC-C4B	3.92	1.46	1.38
35	i	314	II0	C41-C39	3.91	1.55	1.43
36	c	620	IHT	C30-C27	3.91	1.55	1.43
35	k	315	II0	C42-C40	3.91	1.55	1.43
35	d	314	II0	C41-C39	3.91	1.55	1.43
37	n	612	KC2	CBC-CAC	3.91	1.49	1.30
35	j	613	II0	C12-C14	-3.91	1.45	1.51
37	i	317	KC2	CHB-C4A	3.91	1.48	1.39
35	e	612	II0	C41-C39	3.91	1.55	1.43
35	n	616	II0	C12-C14	-3.91	1.45	1.51
35	l	317	II0	C34-C36	3.91	1.54	1.45
35	J	104	II0	C42-C40	3.91	1.55	1.43
35	g	317	II0	C12-C14	-3.91	1.45	1.51
35	i	313	II0	C32-C30	3.91	1.55	1.43
29	a	301	LHG	O7-C7	3.91	1.45	1.34
37	e	609	KC2	CHC-C4B	3.91	1.46	1.38
36	c	620	IHT	C09-C10	-3.90	1.43	1.51
37	g	313	KC2	CHB-C1B	3.90	1.46	1.38
27	c	608	CLA	C4D-ND	-3.90	1.32	1.37
29	g	301	LHG	O8-C23	3.90	1.44	1.33
36	k	317	IHT	C05-C03	3.90	1.67	1.54
35	c	614	II0	C42-C40	3.90	1.55	1.43
35	e	613	II0	C42-C40	3.90	1.55	1.43
34	J	106	LMG	O8-C28	3.90	1.44	1.33
35	b	615	II0	C12-C14	-3.89	1.45	1.51
35	k	314	II0	C06-C04	3.89	1.67	1.54

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	833	CLA	C4D-ND	-3.89	1.32	1.37
35	j	613	II0	C42-C40	3.89	1.55	1.43
27	i	308	CLA	C4D-ND	-3.89	1.32	1.37
36	m	616	IHT	C41-C38	3.89	1.55	1.43
37	s	201	KC2	C1B-NB	-3.88	1.33	1.37
36	f	617	IHT	C09-C10	-3.88	1.43	1.51
35	a	315	II0	C42-C40	3.88	1.55	1.43
35	k	314	II0	C31-C29	3.88	1.55	1.43
35	f	616	II0	C06-C04	3.88	1.67	1.54
27	n	610	CLA	C4D-ND	-3.88	1.32	1.37
27	m	608	CLA	C1D-ND	3.87	1.42	1.37
37	k	311	KC2	CHC-C4B	3.87	1.45	1.38
27	A	809	CLA	C1D-ND	3.87	1.42	1.37
35	a	315	II0	C32-C30	3.87	1.55	1.43
36	g	319	IHT	C09-C10	-3.87	1.43	1.51
27	i	306	CLA	C1D-ND	3.87	1.42	1.37
35	g	316	II0	C42-C40	3.86	1.55	1.43
35	b	612	II0	C12-C14	-3.86	1.45	1.51
35	n	618	II0	C31-C29	3.86	1.55	1.43
35	m	615	II0	C31-C29	3.86	1.55	1.43
27	A	813	CLA	C4D-ND	-3.86	1.32	1.37
35	e	613	II0	C32-C30	3.86	1.55	1.43
35	a	316	II0	C32-C30	3.86	1.55	1.43
35	h	311	II0	C31-C29	3.86	1.55	1.43
36	f	617	IHT	C41-C38	3.86	1.55	1.43
35	n	615	II0	C06-C04	3.86	1.66	1.54
27	k	309	CLA	CMD-C2D	-3.85	1.42	1.50
35	l	314	II0	C41-C39	3.85	1.55	1.43
35	l	315	II0	C41-C39	3.85	1.55	1.43
27	e	610	CLA	C4D-ND	-3.85	1.32	1.37
35	h	312	II0	C31-C29	3.85	1.55	1.43
35	g	316	II0	C32-C30	3.85	1.55	1.43
27	l	310	CLA	C1D-ND	3.85	1.42	1.37
35	h	311	II0	C12-C14	-3.85	1.45	1.51
35	b	613	II0	C31-C29	3.85	1.55	1.43
27	A	806	CLA	C1D-ND	3.85	1.42	1.37
27	A	819	CLA	C1D-ND	3.84	1.42	1.37
35	g	317	II0	C42-C40	3.84	1.55	1.43
35	O	203	II0	C06-C04	3.84	1.66	1.54
35	b	615	II0	C42-C40	3.83	1.55	1.43
35	a	315	II0	C31-C29	3.83	1.55	1.43
27	m	602	CLA	C4D-ND	-3.83	1.32	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	c	616	IHT	C41-C38	3.83	1.55	1.43
36	m	616	IHT	C05-C03	3.83	1.66	1.54
35	n	614	II0	C12-C14	-3.83	1.45	1.51
35	b	612	II0	C42-C40	3.83	1.55	1.43
36	a	317	IHT	C05-C03	3.83	1.66	1.54
27	m	601	CLA	C1D-ND	3.83	1.42	1.37
36	g	319	IHT	C05-C03	3.82	1.66	1.54
35	n	618	II0	C41-C39	3.82	1.55	1.43
27	e	603	CLA	C1D-ND	3.82	1.42	1.37
37	g	313	KC2	CHC-C4B	3.82	1.45	1.38
36	n	617	IHT	C41-C38	3.82	1.55	1.43
35	b	613	II0	C06-C04	3.82	1.66	1.54
27	L	203	CLA	C4D-ND	-3.82	1.32	1.37
34	s	210	LMG	O7-C10	3.82	1.45	1.34
36	n	617	IHT	C09-C10	-3.81	1.43	1.51
35	n	614	II0	C42-C40	3.81	1.55	1.43
36	n	617	IHT	C05-C03	3.81	1.66	1.54
35	k	318	II0	C32-C30	3.81	1.55	1.43
37	k	311	KC2	CHB-C1B	3.81	1.45	1.38
27	j	607	CLA	C1D-ND	3.81	1.42	1.37
30	A	848	WVN	C37-C34	-3.81	1.30	1.35
35	l	302	II0	C42-C40	3.81	1.55	1.43
27	A	826	CLA	C1D-ND	3.81	1.42	1.37
30	J	102	WVN	C02-C11	3.81	1.55	1.50
36	R	204	IHT	C41-C38	3.80	1.55	1.43
27	c	604	CLA	C1D-ND	3.80	1.42	1.37
35	f	618	II0	C12-C14	-3.80	1.45	1.51
35	l	315	II0	C12-C14	-3.80	1.45	1.51
27	f	601	CLA	C1D-ND	3.80	1.42	1.37
35	J	104	II0	C32-C30	3.79	1.55	1.43
35	n	616	II0	C41-C39	3.79	1.55	1.43
27	d	306	CLA	C1D-ND	3.79	1.42	1.37
27	n	606	CLA	C1D-ND	3.79	1.42	1.37
27	j	606	CLA	C1D-ND	3.79	1.42	1.37
29	L	207	LHG	O7-C7	3.79	1.45	1.34
35	e	613	II0	C06-C04	3.79	1.66	1.54
30	B	848	WVN	C33-C34	3.79	1.54	1.45
35	n	615	II0	C32-C30	3.79	1.55	1.43
35	h	311	II0	C42-C40	3.79	1.55	1.43
35	g	318	II0	C41-C39	3.79	1.55	1.43
27	B	801	CLA	C1D-ND	3.78	1.42	1.37
27	B	802	CLA	C4D-ND	-3.78	1.32	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	f	615	II0	C42-C40	3.78	1.55	1.43
36	k	317	IHT	C09-C10	-3.78	1.43	1.51
35	m	614	II0	C32-C30	3.78	1.55	1.43
27	f	613	CLA	C1D-ND	3.78	1.42	1.37
27	b	604	CLA	C1D-ND	3.78	1.42	1.37
35	m	615	II0	C06-C04	3.78	1.66	1.54
30	B	843	WVN	C26-C22	-3.78	1.30	1.35
27	F	202	CLA	C4D-ND	-3.77	1.32	1.37
35	l	313	II0	C41-C39	3.77	1.55	1.43
27	g	315	CLA	C1D-ND	3.77	1.42	1.37
27	a	306	CLA	C1D-ND	3.77	1.42	1.37
29	n	619	LHG	O8-C23	3.77	1.44	1.33
36	c	616	IHT	C09-C10	-3.77	1.43	1.51
27	L	204	CLA	C4D-ND	-3.76	1.32	1.37
35	k	314	II0	C33-C35	3.76	1.54	1.45
27	k	301	CLA	C1D-ND	3.76	1.42	1.37
35	b	612	II0	C31-C29	3.76	1.55	1.43
29	a	319	LHG	O7-C7	3.75	1.44	1.34
27	e	604	CLA	C1D-ND	3.75	1.42	1.37
27	k	309	CLA	C1D-ND	3.75	1.42	1.37
35	a	314	II0	C06-C04	3.75	1.66	1.54
27	a	304	CLA	C1D-ND	3.75	1.42	1.37
27	f	607	CLA	C1D-ND	3.75	1.42	1.37
30	L	201	WVN	C37-C34	-3.75	1.30	1.35
27	b	603	CLA	C1D-ND	3.74	1.42	1.37
35	f	616	II0	C41-C39	3.74	1.55	1.43
27	B	838	CLA	C1D-ND	3.74	1.42	1.37
27	k	308	CLA	C1D-ND	3.74	1.42	1.37
35	a	314	II0	C12-C14	-3.74	1.45	1.51
35	l	314	II0	C12-C14	-3.74	1.45	1.51
27	c	602	CLA	C4D-ND	-3.74	1.32	1.37
35	k	318	II0	C41-C39	3.74	1.55	1.43
35	l	302	II0	C32-C30	3.74	1.55	1.43
30	B	845	WVN	C31-C32	3.74	1.54	1.45
27	A	834	CLA	C4D-ND	-3.74	1.32	1.37
35	d	313	II0	C05-C03	3.73	1.66	1.54
27	A	852	CLA	C1D-ND	3.73	1.42	1.37
35	k	315	II0	C05-C03	3.73	1.66	1.54
35	d	314	II0	C34-C36	3.73	1.54	1.45
34	J	106	LMG	O7-C10	3.73	1.44	1.34
27	m	611	CLA	C4D-ND	-3.72	1.32	1.37
27	m	605	CLA	C4D-ND	-3.72	1.32	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	b	615	II0	C32-C30	3.72	1.55	1.43
35	m	614	II0	C42-C40	3.72	1.55	1.43
35	h	311	II0	C06-C04	3.72	1.66	1.54
35	l	313	II0	C06-C04	3.72	1.66	1.54
36	O	204	IHT	C05-C03	3.72	1.66	1.54
35	i	313	II0	C41-C39	3.71	1.55	1.43
27	k	313	CLA	C1D-ND	3.71	1.42	1.37
27	f	609	CLA	C1D-ND	3.71	1.42	1.37
27	c	607	CLA	C1D-ND	3.71	1.42	1.37
35	c	613	II0	C41-C39	3.71	1.55	1.43
27	e	607	CLA	C4D-ND	-3.71	1.32	1.37
35	k	316	II0	C34-C36	3.71	1.53	1.45
30	R	201	WVN	C37-C34	-3.71	1.30	1.35
27	n	602	CLA	C1D-ND	3.71	1.42	1.37
35	k	318	II0	C05-C03	3.71	1.66	1.54
35	l	314	II0	C34-C36	3.71	1.53	1.45
36	m	616	IHT	C40-C37	3.71	1.54	1.43
27	A	839	CLA	C1D-ND	3.70	1.42	1.37
35	j	614	II0	C41-C39	3.70	1.54	1.43
35	g	317	II0	C32-C30	3.70	1.54	1.43
36	R	204	IHT	C05-C03	3.70	1.66	1.54
35	b	612	II0	C06-C04	3.70	1.66	1.54
35	e	616	II0	C34-C36	3.70	1.53	1.45
36	j	616	IHT	C41-C38	3.70	1.54	1.43
27	A	821	CLA	C4D-ND	-3.70	1.32	1.37
27	j	605	CLA	C1D-ND	3.70	1.42	1.37
35	n	615	II0	C41-C39	3.70	1.54	1.43
35	g	320	II0	C34-C36	3.70	1.53	1.45
27	A	836	CLA	C1D-ND	3.70	1.42	1.37
35	g	320	II0	C41-C39	3.69	1.54	1.43
27	g	307	CLA	C1D-ND	3.69	1.42	1.37
36	f	617	IHT	C05-C03	3.69	1.66	1.54
36	c	616	IHT	C40-C37	3.69	1.54	1.43
27	B	831	CLA	C4D-ND	-3.69	1.32	1.37
35	n	615	II0	C12-C14	-3.69	1.45	1.51
30	R	202	WVN	C36-C32	-3.69	1.30	1.35
35	g	320	II0	C12-C14	-3.69	1.45	1.51
35	l	317	II0	C06-C04	3.68	1.66	1.54
27	n	608	CLA	C1D-ND	3.68	1.42	1.37
27	n	603	CLA	C1D-ND	3.68	1.42	1.37
37	n	612	KC2	CHB-C1B	3.68	1.45	1.38
35	O	203	II0	C41-C39	3.68	1.54	1.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	i	318	II0	C34-C36	3.68	1.53	1.45
27	R	203	CLA	C1D-ND	3.68	1.42	1.37
30	M	101	WVN	C28-C25	-3.68	1.30	1.35
35	f	615	II0	C32-C30	3.67	1.54	1.43
35	n	618	II0	C34-C36	3.67	1.53	1.45
35	i	313	II0	C06-C04	3.67	1.66	1.54
35	h	310	II0	C41-C39	3.67	1.54	1.43
27	i	302	CLA	C1D-ND	3.67	1.42	1.37
35	g	317	II0	C06-C04	3.67	1.66	1.54
35	c	617	II0	C41-C39	3.67	1.54	1.43
27	B	825	CLA	CMD-C2D	-3.67	1.43	1.50
35	d	312	II0	C41-C39	3.67	1.54	1.43
36	R	204	IHT	C09-C10	-3.67	1.43	1.51
27	f	604	CLA	C1D-ND	3.66	1.42	1.37
35	f	615	II0	C41-C39	3.66	1.54	1.43
27	i	305	CLA	C1D-ND	3.66	1.42	1.37
36	f	617	IHT	C40-C37	3.66	1.54	1.43
27	A	820	CLA	C4D-ND	-3.66	1.32	1.37
27	b	609	CLA	C1D-ND	3.66	1.42	1.37
27	B	808	CLA	C1D-ND	3.65	1.42	1.37
36	c	620	IHT	C14-C02	3.65	1.60	1.53
36	n	617	IHT	C40-C37	3.65	1.54	1.43
30	B	844	WVN	C28-C25	-3.65	1.30	1.35
35	c	617	II0	C12-C14	-3.65	1.45	1.51
36	c	616	IHT	C31-C29	3.65	1.54	1.43
36	a	317	IHT	C09-C10	-3.65	1.43	1.51
35	h	312	II0	C42-C40	3.65	1.54	1.43
35	e	614	II0	C41-C39	3.65	1.54	1.43
27	c	611	CLA	C1D-ND	3.65	1.42	1.37
27	m	609	CLA	C1D-ND	3.65	1.42	1.37
35	a	315	II0	C41-C39	3.65	1.54	1.43
27	c	605	CLA	C1D-ND	3.64	1.42	1.37
36	k	317	IHT	C41-C38	3.64	1.54	1.43
36	c	620	IHT	C05-C03	3.64	1.66	1.54
35	e	614	II0	C05-C03	3.64	1.66	1.54
35	l	314	II0	C06-C04	3.64	1.66	1.54
27	c	601	CLA	C4D-ND	-3.64	1.32	1.37
35	d	313	II0	C33-C35	3.64	1.53	1.45
35	b	613	II0	C12-C14	-3.64	1.45	1.51
35	a	315	II0	C06-C04	3.64	1.66	1.54
35	n	614	II0	C32-C30	3.64	1.54	1.43
27	m	604	CLA	C1D-ND	3.64	1.42	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	804	CLA	C4D-ND	-3.64	1.32	1.37
35	l	313	II0	C12-C14	-3.64	1.45	1.51
30	I	101	WVN	C28-C25	-3.63	1.31	1.35
27	L	202	CLA	C1D-ND	3.63	1.42	1.37
27	A	810	CLA	C4D-ND	-3.63	1.32	1.37
35	f	614	II0	C34-C36	3.63	1.53	1.45
35	a	314	II0	C32-C30	3.63	1.54	1.43
27	g	305	CLA	C1D-ND	3.63	1.42	1.37
30	s	207	WVN	C26-C22	-3.63	1.31	1.35
27	j	608	CLA	C1D-ND	3.63	1.42	1.37
37	k	311	KC2	C4D-CHA	3.63	1.49	1.45
36	a	317	IHT	C41-C38	3.63	1.54	1.43
36	n	617	IHT	C14-C02	3.63	1.60	1.53
35	l	313	II0	C34-C36	3.63	1.53	1.45
35	m	613	II0	C12-C14	-3.63	1.45	1.51
27	B	840	CLA	C1D-ND	3.63	1.42	1.37
36	O	204	IHT	C41-C38	3.62	1.54	1.43
27	m	612	CLA	C1D-ND	3.62	1.42	1.37
30	J	101	WVN	C26-C22	-3.62	1.31	1.35
27	m	605	CLA	C1D-ND	3.62	1.42	1.37
27	f	610	CLA	C1D-ND	3.62	1.42	1.37
27	n	613	CLA	C1D-ND	3.62	1.42	1.37
35	h	310	II0	C31-C29	3.62	1.54	1.43
30	B	844	WVN	C37-C34	-3.62	1.31	1.35
35	j	614	II0	C32-C30	3.62	1.54	1.43
35	j	615	II0	C34-C36	3.61	1.53	1.45
35	d	312	II0	C06-C04	3.61	1.66	1.54
35	m	614	II0	C06-C04	3.61	1.66	1.54
36	O	204	IHT	C09-C10	-3.61	1.43	1.51
27	O	206	CLA	C1D-ND	3.61	1.42	1.37
29	b	617	LHG	O7-C7	3.61	1.44	1.34
30	R	202	WVN	C37-C34	-3.61	1.31	1.35
35	m	615	II0	C41-C39	3.61	1.54	1.43
27	n	601	CLA	C1D-ND	3.60	1.42	1.37
36	c	616	IHT	C14-C02	3.60	1.60	1.53
27	m	607	CLA	C1D-ND	3.60	1.42	1.37
27	n	602	CLA	C4D-ND	-3.60	1.32	1.37
36	k	317	IHT	C14-C02	3.60	1.60	1.53
27	f	606	CLA	C1D-ND	3.60	1.42	1.37
30	A	849	WVN	C26-C22	-3.60	1.31	1.35
35	f	618	II0	C05-C03	3.59	1.66	1.54
27	B	822	CLA	C4D-ND	-3.59	1.32	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	812	CLA	C4D-ND	-3.59	1.32	1.37
27	A	840	CLA	C1D-ND	3.59	1.42	1.37
35	j	613	II0	C41-C39	3.59	1.54	1.43
27	c	606	CLA	C1D-ND	3.59	1.42	1.37
27	B	849	CLA	C1D-ND	3.59	1.42	1.37
27	g	308	CLA	C1D-ND	3.59	1.42	1.37
35	a	316	II0	C06-C04	3.59	1.66	1.54
30	B	846	WVN	C30-C28	3.59	1.54	1.43
35	j	614	II0	C05-C03	3.59	1.66	1.54
27	d	302	CLA	C1D-ND	3.59	1.42	1.37
36	g	319	IHT	C41-C38	3.59	1.54	1.43
35	k	316	II0	C33-C35	3.58	1.53	1.45
27	l	308	CLA	C1D-ND	3.58	1.42	1.37
35	f	616	II0	C34-C36	3.58	1.53	1.45
35	e	613	II0	C12-C14	-3.58	1.45	1.51
27	s	209	CLA	C1D-ND	3.58	1.42	1.37
27	B	822	CLA	C1D-ND	3.58	1.42	1.37
30	B	847	WVN	C26-C22	-3.58	1.31	1.35
30	L	205	WVN	C33-C34	3.58	1.53	1.45
35	h	312	II0	C30-C26	-3.58	1.29	1.37
27	A	805	CLA	C1D-ND	3.58	1.42	1.37
27	B	836	CLA	C1D-ND	3.58	1.42	1.37
27	B	813	CLA	C4D-ND	-3.57	1.32	1.37
27	a	308	CLA	C1D-ND	3.57	1.42	1.37
27	k	302	CLA	C1D-ND	3.57	1.42	1.37
27	B	819	CLA	C1D-ND	3.57	1.42	1.37
35	a	315	II0	C12-C14	-3.57	1.45	1.51
27	h	301	CLA	C1D-ND	3.57	1.42	1.37
27	l	306	CLA	C1D-ND	3.57	1.42	1.37
27	g	311	CLA	CMD-C2D	-3.57	1.43	1.50
27	A	815	CLA	C1D-ND	3.57	1.42	1.37
35	h	310	II0	C34-C36	3.57	1.53	1.45
27	d	303	CLA	C1D-ND	3.57	1.42	1.37
27	g	322	CLA	C1D-ND	3.57	1.42	1.37
27	A	807	CLA	C4D-ND	-3.57	1.32	1.37
27	B	818	CLA	CMD-C2D	-3.57	1.43	1.50
27	c	609	CLA	C1D-ND	3.57	1.42	1.37
35	b	612	II0	C32-C30	3.56	1.54	1.43
35	i	318	II0	C06-C04	3.56	1.66	1.54
27	a	313	CLA	C4D-ND	-3.56	1.32	1.37
35	e	614	II0	C12-C14	-3.56	1.45	1.51
35	k	314	II0	C05-C03	3.56	1.66	1.54

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	L	201	WVN	C26-C22	-3.56	1.31	1.35
27	A	832	CLA	C1D-ND	3.56	1.42	1.37
27	A	815	CLA	C4D-ND	-3.56	1.32	1.37
35	l	302	II0	C12-C14	-3.55	1.45	1.51
27	s	202	CLA	C1D-ND	3.55	1.42	1.37
35	e	612	II0	C34-C36	3.55	1.53	1.45
35	j	613	II0	C32-C30	3.55	1.54	1.43
27	K	101	CLA	C1D-ND	3.55	1.42	1.37
27	l	307	CLA	C1D-ND	3.55	1.42	1.37
35	e	613	II0	C41-C39	3.55	1.54	1.43
27	B	811	CLA	C4D-ND	-3.55	1.32	1.37
27	A	803	CLA	C1D-ND	3.55	1.42	1.37
27	n	609	CLA	C1D-ND	3.55	1.42	1.37
27	B	808	CLA	CAB-C3B	-3.55	1.44	1.51
30	B	843	WVN	C19-C22	3.55	1.53	1.45
27	A	802	CLA	C4D-ND	-3.55	1.32	1.37
27	B	816	CLA	C4D-ND	-3.55	1.32	1.37
27	B	825	CLA	C4D-ND	-3.55	1.32	1.37
27	e	608	CLA	C1D-ND	3.55	1.42	1.37
35	g	316	II0	C34-C36	3.54	1.53	1.45
35	c	614	II0	C06-C04	3.54	1.65	1.54
35	k	315	II0	C41-C39	3.54	1.54	1.43
27	e	610	CLA	C1D-ND	3.54	1.42	1.37
35	c	614	II0	C41-C39	3.54	1.54	1.43
35	e	612	II0	C05-C03	3.54	1.65	1.54
27	c	606	CLA	CMB-C2B	-3.54	1.44	1.51
35	f	615	II0	C12-C14	-3.54	1.45	1.51
35	a	318	II0	C12-C14	-3.54	1.45	1.51
35	a	316	II0	C41-C39	3.54	1.54	1.43
30	B	848	WVN	C36-C32	-3.54	1.31	1.35
27	B	820	CLA	C1D-ND	3.54	1.42	1.37
35	J	104	II0	C41-C39	3.54	1.54	1.43
35	i	313	II0	C05-C03	3.53	1.65	1.54
35	m	614	II0	C12-C14	-3.53	1.45	1.51
30	M	101	WVN	C37-C34	-3.53	1.31	1.35
36	a	317	IHT	C40-C37	3.53	1.54	1.43
35	m	614	II0	C05-C03	3.53	1.65	1.54
36	c	620	IHT	C40-C37	3.53	1.54	1.43
35	m	613	II0	C05-C03	3.53	1.65	1.54
30	B	845	WVN	C26-C22	-3.53	1.31	1.35
27	e	611	CLA	C1D-ND	3.53	1.42	1.37
35	c	617	II0	C34-C36	3.53	1.53	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	c	615	II0	C05-C03	3.53	1.65	1.54
27	B	810	CLA	C1D-ND	3.53	1.42	1.37
30	L	201	WVN	C36-C32	-3.52	1.31	1.35
27	A	815	CLA	CMB-C2B	-3.52	1.44	1.51
35	g	316	II0	C31-C29	3.52	1.54	1.43
27	d	304	CLA	C1D-ND	3.52	1.42	1.37
27	g	309	CLA	C1D-ND	3.52	1.42	1.37
27	L	202	CLA	C4D-ND	-3.52	1.32	1.37
30	s	205	WVN	C28-C25	-3.52	1.31	1.35
36	j	616	IHT	C40-C37	3.52	1.54	1.43
27	A	830	CLA	C4D-ND	-3.52	1.32	1.37
27	a	312	CLA	C1D-ND	3.52	1.42	1.37
35	m	613	II0	C34-C36	3.52	1.53	1.45
27	g	305	CLA	C4D-ND	-3.51	1.32	1.37
27	n	607	CLA	C1D-ND	3.51	1.42	1.37
27	B	831	CLA	C1D-ND	3.51	1.42	1.37
27	j	604	CLA	C4D-ND	-3.51	1.32	1.37
27	A	813	CLA	MG-NC	3.51	2.14	2.06
27	A	855	CLA	CMB-C2B	-3.51	1.44	1.51
35	k	318	II0	C12-C14	-3.51	1.45	1.51
35	d	314	II0	C05-C03	3.51	1.65	1.54
30	J	102	WVN	C26-C22	-3.51	1.31	1.35
35	a	314	II0	C05-C03	3.51	1.65	1.54
36	f	617	IHT	C31-C29	3.50	1.54	1.43
35	n	614	II0	C05-C03	3.50	1.65	1.54
35	l	317	II0	C41-C39	3.50	1.54	1.43
35	n	616	II0	C34-C36	3.50	1.53	1.45
35	b	612	II0	C05-C03	3.50	1.65	1.54
35	O	203	II0	C05-C03	3.50	1.65	1.54
30	B	847	WVN	C37-C34	-3.50	1.31	1.35
35	i	314	II0	C05-C03	3.50	1.65	1.54
35	g	318	II0	C34-C36	3.50	1.53	1.45
27	B	819	CLA	C4D-ND	-3.50	1.32	1.37
27	b	605	CLA	C4D-ND	-3.50	1.32	1.37
27	B	817	CLA	C4D-ND	-3.50	1.32	1.37
36	R	204	IHT	C40-C37	3.50	1.54	1.43
36	R	204	IHT	C14-C02	3.50	1.60	1.53
27	g	310	CLA	C1D-ND	3.50	1.42	1.37
27	A	807	CLA	C1D-ND	3.50	1.42	1.37
36	g	319	IHT	C14-C02	3.50	1.60	1.53
27	O	202	CLA	C1D-ND	3.50	1.42	1.37
27	f	612	CLA	C1D-ND	3.50	1.42	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	j	613	II0	C31-C29	3.49	1.54	1.43
27	A	827	CLA	C4D-ND	-3.49	1.32	1.37
30	A	848	WVN	C02-C11	3.49	1.55	1.50
36	a	317	IHT	C14-C02	3.49	1.60	1.53
27	g	305	CLA	CMB-C2B	-3.49	1.44	1.51
38	i	301	LMU	O5'-C1'	3.49	1.50	1.41
27	A	841	CLA	C4D-ND	-3.49	1.32	1.37
27	d	305	CLA	C1D-ND	3.49	1.42	1.37
35	g	318	II0	C05-C03	3.49	1.65	1.54
30	A	848	WVN	C36-C32	-3.49	1.31	1.35
30	h	309	WVN	C23-C25	3.49	1.53	1.45
35	d	312	II0	C34-C36	3.48	1.53	1.45
27	B	832	CLA	C1D-ND	3.48	1.42	1.37
30	l	301	WVN	C28-C25	-3.48	1.31	1.35
27	h	307	CLA	C1D-ND	3.48	1.42	1.37
35	i	314	II0	C34-C36	3.48	1.53	1.45
36	k	317	IHT	C40-C37	3.48	1.54	1.43
35	a	318	II0	C05-C03	3.48	1.65	1.54
36	O	204	IHT	C40-C37	3.47	1.54	1.43
27	B	807	CLA	CMB-C2B	-3.47	1.44	1.51
27	A	853	CLA	C1D-ND	3.47	1.42	1.37
35	a	314	II0	C42-C40	3.47	1.54	1.43
27	B	834	CLA	C4D-ND	-3.47	1.32	1.37
27	e	606	CLA	C1D-ND	3.47	1.42	1.37
27	A	806	CLA	C4D-ND	-3.47	1.32	1.37
27	K	102	CLA	C4D-ND	-3.47	1.32	1.37
27	n	610	CLA	C1D-ND	3.47	1.42	1.37
35	k	318	II0	C34-C36	3.47	1.53	1.45
30	B	843	WVN	C28-C25	-3.46	1.31	1.35
27	j	612	CLA	C1D-ND	3.46	1.42	1.37
35	h	312	II0	C32-C30	3.46	1.54	1.43
27	e	601	CLA	C4D-ND	-3.46	1.32	1.37
35	n	616	II0	C33-C35	3.46	1.53	1.45
27	b	608	CLA	C1D-ND	3.46	1.42	1.37
27	K	102	CLA	C1D-ND	3.46	1.42	1.37
35	l	302	II0	C41-C39	3.46	1.54	1.43
35	l	317	II0	C05-C03	3.46	1.65	1.54
27	b	607	CLA	C4D-ND	-3.46	1.32	1.37
35	b	612	II0	C41-C39	3.46	1.54	1.43
27	a	311	CLA	C1D-ND	3.46	1.42	1.37
30	A	846	WVN	C33-C34	3.46	1.53	1.45
35	e	612	II0	C12-C14	-3.46	1.45	1.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	l	313	II0	C05-C03	3.46	1.65	1.54
36	m	616	IHT	C31-C29	3.45	1.54	1.43
27	b	602	CLA	C4D-ND	-3.45	1.32	1.37
27	B	827	CLA	C1D-ND	3.45	1.42	1.37
27	B	834	CLA	C1D-ND	3.45	1.42	1.37
27	A	826	CLA	C4D-ND	-3.45	1.32	1.37
27	f	602	CLA	C1D-ND	3.45	1.42	1.37
35	f	618	II0	C34-C36	3.45	1.53	1.45
35	e	613	II0	C34-C36	3.45	1.53	1.45
27	F	201	CLA	C4D-ND	-3.45	1.33	1.37
36	n	617	IHT	C31-C29	3.45	1.54	1.43
35	n	616	II0	C06-C04	3.45	1.65	1.54
27	A	833	CLA	CMB-C2B	-3.45	1.44	1.51
27	A	840	CLA	C4D-ND	-3.45	1.33	1.37
27	A	855	CLA	C4D-ND	-3.45	1.33	1.37
35	k	315	II0	C32-C30	3.45	1.54	1.43
27	l	309	CLA	C1D-ND	3.45	1.42	1.37
35	l	315	II0	C34-C36	3.45	1.53	1.45
37	s	204	KC2	CHC-C4B	3.44	1.45	1.38
35	J	104	II0	C06-C04	3.44	1.65	1.54
27	g	315	CLA	C4D-ND	-3.44	1.33	1.37
27	A	818	CLA	CMB-C2B	-3.44	1.44	1.51
27	B	829	CLA	C4D-ND	-3.44	1.33	1.37
35	i	318	II0	C05-C03	3.44	1.65	1.54
35	O	203	II0	C33-C35	3.44	1.53	1.45
36	c	616	IHT	C05-C03	3.44	1.65	1.54
27	s	208	CLA	C4D-ND	-3.44	1.33	1.37
27	A	818	CLA	C1D-ND	3.44	1.42	1.37
27	A	835	CLA	C1D-ND	3.44	1.42	1.37
27	A	829	CLA	CMB-C2B	-3.44	1.44	1.51
27	g	310	CLA	C4D-ND	-3.44	1.33	1.37
27	A	817	CLA	C4D-ND	-3.44	1.33	1.37
37	s	201	KC2	C3D-C2D	3.44	1.45	1.39
27	A	823	CLA	C1D-ND	3.44	1.42	1.37
27	b	602	CLA	C1D-ND	3.44	1.42	1.37
30	B	843	WVN	C36-C32	-3.44	1.31	1.35
27	e	607	CLA	C1D-ND	3.43	1.42	1.37
35	a	314	II0	C41-C39	3.43	1.54	1.43
27	c	608	CLA	C1D-ND	3.43	1.42	1.37
35	f	614	II0	C33-C35	3.43	1.53	1.45
27	m	603	CLA	C1D-ND	3.43	1.42	1.37
27	a	310	CLA	C4D-ND	-3.43	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	a	315	II0	C05-C03	3.43	1.65	1.54
27	g	306	CLA	C4D-ND	-3.43	1.33	1.37
35	h	312	II0	C05-C03	3.43	1.65	1.54
27	s	206	CLA	C1D-ND	3.43	1.42	1.37
35	c	615	II0	C41-C39	3.43	1.54	1.43
27	g	306	CLA	C1D-ND	3.43	1.42	1.37
27	a	311	CLA	C4D-ND	-3.43	1.33	1.37
27	i	309	CLA	CMD-C2D	-3.43	1.43	1.50
36	n	617	IHT	C32-C33	3.43	1.53	1.45
35	l	314	II0	C05-C03	3.43	1.65	1.54
27	O	206	CLA	C4D-ND	-3.43	1.33	1.37
27	F	202	CLA	C1D-ND	3.42	1.42	1.37
27	B	817	CLA	C1D-ND	3.42	1.42	1.37
27	b	611	CLA	C1D-ND	3.42	1.42	1.37
27	g	304	CLA	C1D-ND	3.42	1.42	1.37
27	A	819	CLA	C4D-ND	-3.42	1.33	1.37
27	m	607	CLA	C4D-ND	-3.42	1.33	1.37
27	A	829	CLA	C1D-ND	3.42	1.42	1.37
30	h	309	WVN	C33-C34	3.42	1.53	1.45
27	a	306	CLA	C4D-ND	-3.42	1.33	1.37
35	l	315	II0	C05-C03	3.42	1.65	1.54
30	e	615	WVN	C26-C22	-3.42	1.31	1.35
36	m	616	IHT	C14-C02	3.42	1.60	1.53
36	R	204	IHT	C31-C29	3.42	1.54	1.43
35	g	317	II0	C41-C39	3.42	1.54	1.43
27	b	604	CLA	C4D-ND	-3.42	1.33	1.37
35	l	302	II0	C06-C04	3.42	1.65	1.54
35	j	615	II0	C33-C35	3.41	1.53	1.45
27	j	601	CLA	C4D-ND	-3.41	1.33	1.37
35	k	315	II0	C06-C04	3.41	1.65	1.54
30	B	845	WVN	C36-C32	-3.41	1.31	1.35
27	l	303	CLA	C1D-ND	3.41	1.42	1.37
36	f	617	IHT	C14-C02	3.41	1.60	1.53
37	n	612	KC2	CHC-C1C	3.41	1.47	1.39
27	B	821	CLA	CMD-C2D	-3.40	1.43	1.50
36	f	617	IHT	C32-C33	3.40	1.53	1.45
35	h	311	II0	C41-C39	3.40	1.54	1.43
30	F	204	WVN	C37-C34	-3.40	1.31	1.35
30	M	101	WVN	C36-C32	-3.40	1.31	1.35
27	k	305	CLA	C4D-ND	-3.40	1.33	1.37
27	d	301	CLA	C1D-ND	3.40	1.42	1.37
27	b	603	CLA	C4D-ND	-3.40	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	f	614	II0	C05-C03	3.40	1.65	1.54
27	A	816	CLA	C4D-ND	-3.40	1.33	1.37
27	i	307	CLA	C1D-ND	3.40	1.42	1.37
27	A	837	CLA	C1D-ND	3.40	1.42	1.37
27	n	609	CLA	CHC-C1C	3.40	1.43	1.35
35	m	615	II0	C34-C36	3.40	1.53	1.45
27	b	601	CLA	C1D-ND	3.40	1.42	1.37
27	B	837	CLA	C4D-ND	-3.39	1.33	1.37
27	B	812	CLA	C4D-ND	-3.39	1.33	1.37
30	L	205	WVN	C23-C25	3.39	1.53	1.45
36	g	319	IHT	C40-C37	3.39	1.54	1.43
30	M	101	WVN	C26-C22	-3.39	1.31	1.35
35	a	318	II0	C33-C35	3.39	1.53	1.45
27	f	604	CLA	C4D-ND	-3.39	1.33	1.37
27	b	611	CLA	C4D-ND	-3.39	1.33	1.37
27	b	605	CLA	C1D-ND	3.39	1.42	1.37
27	B	828	CLA	C4D-ND	-3.39	1.33	1.37
27	B	840	CLA	C4D-ND	-3.38	1.33	1.37
36	O	204	IHT	C14-C02	3.38	1.60	1.53
35	m	615	II0	C12-C14	-3.38	1.45	1.51
27	h	303	CLA	C1D-ND	3.38	1.41	1.37
35	g	316	II0	C12-C14	-3.38	1.45	1.51
27	A	856	CLA	CMD-C2D	-3.38	1.43	1.50
27	B	815	CLA	C4D-ND	-3.38	1.33	1.37
27	B	811	CLA	C1D-ND	3.38	1.41	1.37
27	A	841	CLA	C1D-ND	3.38	1.41	1.37
27	h	305	CLA	C1D-ND	3.38	1.41	1.37
27	f	603	CLA	C1D-ND	3.38	1.41	1.37
27	J	103	CLA	C4D-ND	-3.38	1.33	1.37
27	B	835	CLA	C4D-ND	-3.37	1.33	1.37
27	B	804	CLA	C1D-ND	3.37	1.41	1.37
27	e	602	CLA	C1D-ND	3.37	1.41	1.37
30	J	101	WVN	C33-C34	3.37	1.53	1.45
27	B	807	CLA	C4D-ND	-3.37	1.33	1.37
27	g	303	CLA	C4D-ND	-3.37	1.33	1.37
27	A	818	CLA	C4D-ND	-3.37	1.33	1.37
30	A	849	WVN	C37-C34	-3.37	1.31	1.35
27	h	303	CLA	C4D-ND	-3.37	1.33	1.37
27	k	303	CLA	C1D-ND	3.37	1.41	1.37
30	l	316	WVN	C33-C34	3.36	1.53	1.45
36	j	616	IHT	C14-C02	3.36	1.60	1.53
27	i	304	CLA	C1D-ND	3.36	1.41	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	h	306	CLA	C1D-ND	3.36	1.41	1.37
27	A	833	CLA	C1D-ND	3.36	1.41	1.37
27	a	310	CLA	C1D-ND	3.36	1.41	1.37
36	j	616	IHT	C31-C29	3.36	1.53	1.43
27	h	307	CLA	C4D-ND	-3.36	1.33	1.37
30	A	848	WVN	C26-C22	-3.36	1.31	1.35
30	B	848	WVN	C26-C22	-3.36	1.31	1.35
27	A	823	CLA	C4D-ND	-3.35	1.33	1.37
27	k	308	CLA	CHC-C1C	3.35	1.43	1.35
27	B	823	CLA	C1D-ND	3.35	1.41	1.37
27	B	824	CLA	C1D-ND	3.35	1.41	1.37
27	h	302	CLA	C1D-ND	3.35	1.41	1.37
27	B	823	CLA	C4D-ND	-3.35	1.33	1.37
27	A	831	CLA	C1D-ND	3.35	1.41	1.37
35	n	614	II0	C41-C39	3.35	1.53	1.43
29	b	617	LHG	O8-C23	3.35	1.43	1.33
27	R	203	CLA	C4D-ND	-3.35	1.33	1.37
37	d	310	KC2	CHB-C4A	3.35	1.46	1.39
35	l	302	II0	C05-C03	3.35	1.65	1.54
27	A	804	CLA	C4D-ND	-3.35	1.33	1.37
36	c	616	IHT	C32-C33	3.35	1.53	1.45
30	B	843	WVN	C37-C34	-3.35	1.31	1.35
37	c	610	KC2	CHB-C4A	3.35	1.46	1.39
30	L	205	WVN	C30-C28	3.35	1.53	1.43
37	j	610	KC2	CHB-C4A	3.35	1.46	1.39
30	K	103	WVN	C26-C22	-3.35	1.31	1.35
27	B	816	CLA	CMB-C2B	-3.35	1.44	1.51
37	e	609	KC2	CHB-C4A	3.34	1.46	1.39
27	l	312	CLA	C1D-ND	3.34	1.41	1.37
27	g	303	CLA	C1D-ND	3.34	1.41	1.37
27	B	814	CLA	C4D-ND	-3.34	1.33	1.37
35	c	615	II0	C34-C36	3.34	1.53	1.45
27	s	203	CLA	C1D-ND	3.34	1.41	1.37
27	i	307	CLA	CHC-C1C	3.34	1.43	1.35
35	a	315	II0	C34-C36	3.34	1.53	1.45
35	m	615	II0	C05-C03	3.34	1.65	1.54
35	h	310	II0	C05-C03	3.34	1.65	1.54
30	L	205	WVN	C36-C32	-3.34	1.31	1.35
35	e	614	II0	C34-C36	3.34	1.53	1.45
27	n	607	CLA	C4D-ND	-3.34	1.33	1.37
27	L	204	CLA	CMD-C2D	-3.34	1.43	1.50
27	h	306	CLA	CHC-C1C	3.33	1.43	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	i	315	WVN	C33-C34	3.33	1.53	1.45
36	R	204	IHT	C32-C33	3.33	1.53	1.45
27	B	827	CLA	CHC-C1C	3.33	1.43	1.35
27	f	610	CLA	C4D-ND	-3.33	1.33	1.37
36	a	317	IHT	C31-C29	3.33	1.53	1.43
37	s	201	KC2	C4B-NB	-3.33	1.33	1.37
35	d	314	II0	C33-C35	3.33	1.53	1.45
35	g	318	II0	C33-C35	3.33	1.53	1.45
27	A	842	CLA	C4D-ND	-3.33	1.33	1.37
27	b	606	CLA	C1D-ND	3.33	1.41	1.37
35	k	316	II0	C05-C03	3.33	1.65	1.54
35	f	615	II0	C06-C04	3.32	1.65	1.54
27	b	606	CLA	C4D-ND	-3.32	1.33	1.37
35	n	616	II0	C05-C03	3.32	1.65	1.54
27	c	607	CLA	C4D-ND	-3.32	1.33	1.37
36	b	614	IHT	C18-C07	3.32	1.56	1.45
27	B	832	CLA	C4D-ND	-3.32	1.33	1.37
27	k	303	CLA	C4D-ND	-3.32	1.33	1.37
36	a	317	IHT	C32-C33	3.32	1.53	1.45
35	k	318	II0	C33-C35	3.32	1.53	1.45
35	f	616	II0	C05-C03	3.32	1.65	1.54
27	e	601	CLA	C1D-ND	3.32	1.41	1.37
35	j	613	II0	C05-C03	3.32	1.65	1.54
27	d	305	CLA	C4D-ND	-3.32	1.33	1.37
27	d	302	CLA	C4D-ND	-3.32	1.33	1.37
37	n	612	KC2	C1B-NB	-3.32	1.33	1.37
27	b	601	CLA	C4D-ND	-3.32	1.33	1.37
27	l	304	CLA	C4D-ND	-3.32	1.33	1.37
27	j	612	CLA	C4D-ND	-3.32	1.33	1.37
27	m	604	CLA	CMA-C3A	-3.31	1.46	1.53
30	A	847	WVN	C39-C36	3.31	1.53	1.43
27	i	303	CLA	C4D-ND	-3.31	1.33	1.37
30	R	201	WVN	C36-C32	-3.31	1.31	1.35
37	g	312	KC2	CHB-C4A	3.31	1.46	1.39
30	A	846	WVN	C30-C28	3.31	1.53	1.43
35	c	613	II0	C12-C14	-3.31	1.45	1.51
37	g	314	KC2	CHB-C4A	3.31	1.46	1.39
27	B	812	CLA	C1D-ND	3.31	1.41	1.37
37	i	310	KC2	CHB-C4A	3.31	1.46	1.39
27	A	814	CLA	C4D-ND	-3.31	1.33	1.37
35	i	318	II0	C33-C35	3.31	1.53	1.45
37	i	317	KC2	C4A-C3A	3.31	1.51	1.44

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	808	CLA	C4D-ND	-3.31	1.33	1.37
30	R	201	WVN	C02-C11	3.31	1.55	1.50
35	d	312	II0	C05-C03	3.31	1.65	1.54
30	h	309	WVN	C36-C32	-3.31	1.31	1.35
27	s	208	CLA	C1D-ND	3.30	1.41	1.37
35	c	614	II0	C05-C03	3.30	1.65	1.54
30	h	309	WVN	C30-C28	3.30	1.53	1.43
27	A	831	CLA	C4D-ND	-3.30	1.33	1.37
27	i	303	CLA	C1D-ND	3.30	1.41	1.37
27	c	606	CLA	C4D-ND	-3.30	1.33	1.37
27	B	849	CLA	C4D-ND	-3.30	1.33	1.37
30	i	315	WVN	C19-C22	3.29	1.53	1.45
35	n	614	II0	C34-C36	3.29	1.53	1.45
30	B	848	WVN	C37-C34	-3.29	1.31	1.35
35	e	616	II0	C12-C14	-3.29	1.46	1.51
27	A	809	CLA	C4D-ND	-3.28	1.33	1.37
35	f	615	II0	C05-C03	3.28	1.65	1.54
27	B	830	CLA	C1D-ND	3.28	1.41	1.37
27	g	302	CLA	C1D-ND	3.28	1.41	1.37
35	f	614	II0	C12-C14	-3.28	1.46	1.51
27	n	609	CLA	C4D-ND	-3.28	1.33	1.37
27	k	308	CLA	CMC-C2C	-3.28	1.43	1.50
27	i	308	CLA	CHC-C1C	3.28	1.43	1.35
35	c	617	II0	C33-C35	3.28	1.53	1.45
27	b	610	CLA	C1D-ND	3.28	1.41	1.37
37	k	312	KC2	CHB-C4A	3.28	1.46	1.39
35	J	104	II0	C12-C14	-3.28	1.46	1.51
37	f	611	KC2	CHB-C4A	3.28	1.46	1.39
36	O	204	IHT	C31-C29	3.27	1.53	1.43
27	h	313	CLA	C1D-ND	3.27	1.41	1.37
27	l	312	CLA	C4D-ND	-3.27	1.33	1.37
27	B	826	CLA	C1D-ND	3.27	1.41	1.37
27	A	826	CLA	CMC-C2C	-3.27	1.43	1.50
27	A	822	CLA	C4D-ND	-3.27	1.33	1.37
27	A	820	CLA	CMB-C2B	-3.27	1.44	1.51
27	k	302	CLA	C4D-ND	-3.27	1.33	1.37
30	B	847	WVN	C23-C25	3.27	1.53	1.45
35	f	616	II0	C12-C14	-3.27	1.46	1.51
27	A	824	CLA	C1D-ND	3.27	1.41	1.37
27	J	105	CLA	CMD-C2D	-3.27	1.43	1.50
27	h	302	CLA	C4D-ND	-3.27	1.33	1.37
27	B	806	CLA	C4D-ND	-3.27	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	i	305	CLA	C4D-ND	-3.27	1.33	1.37
27	l	309	CLA	C4D-ND	-3.27	1.33	1.37
35	n	615	II0	C34-C36	3.26	1.53	1.45
27	B	810	CLA	C4D-ND	-3.26	1.33	1.37
27	L	206	CLA	C1D-ND	3.26	1.41	1.37
27	j	609	CLA	C4D-ND	-3.26	1.33	1.37
36	j	616	IHT	C32-C33	3.26	1.53	1.45
35	b	615	II0	C41-C39	3.26	1.53	1.43
35	d	314	II0	C12-C14	-3.26	1.46	1.51
37	d	309	KC2	CHB-C4A	3.26	1.46	1.39
27	e	605	CLA	C1D-ND	3.26	1.41	1.37
27	A	805	CLA	C4D-ND	-3.26	1.33	1.37
35	b	613	II0	C30-C26	-3.26	1.30	1.37
35	e	616	II0	C05-C03	3.26	1.65	1.54
27	m	603	CLA	C4D-ND	-3.26	1.33	1.37
27	l	306	CLA	C4D-ND	-3.26	1.33	1.37
35	j	615	II0	C05-C03	3.26	1.65	1.54
27	c	603	CLA	C1D-ND	3.26	1.41	1.37
27	B	824	CLA	C4D-ND	-3.26	1.33	1.37
27	B	837	CLA	C1D-ND	3.26	1.41	1.37
27	n	613	CLA	C4D-ND	-3.26	1.33	1.37
30	A	847	WVN	C19-C22	3.25	1.52	1.45
35	b	615	II0	C05-C03	3.25	1.65	1.54
27	d	303	CLA	C4D-ND	-3.25	1.33	1.37
27	A	822	CLA	C1D-ND	3.25	1.41	1.37
36	k	317	IHT	C31-C29	3.25	1.53	1.43
36	c	620	IHT	C31-C29	3.25	1.53	1.43
27	a	309	CLA	C1D-ND	3.25	1.41	1.37
27	B	803	CLA	C4D-ND	-3.25	1.33	1.37
36	b	614	IHT	C14-C02	3.25	1.60	1.53
27	f	605	CLA	C4D-ND	-3.25	1.33	1.37
35	c	613	II0	C05-C03	3.24	1.65	1.54
30	B	846	WVN	C33-C34	3.24	1.52	1.45
37	f	611	KC2	CHC-C1C	3.24	1.46	1.39
27	J	105	CLA	C1D-ND	3.24	1.41	1.37
35	c	614	II0	C34-C36	3.24	1.52	1.45
27	i	307	CLA	C4D-ND	-3.24	1.33	1.37
35	a	316	II0	C34-C36	3.24	1.52	1.45
30	i	315	WVN	C23-C25	3.24	1.52	1.45
27	A	804	CLA	CMC-C2C	-3.24	1.43	1.50
35	m	614	II0	C41-C39	3.24	1.53	1.43
35	l	314	II0	C33-C35	3.24	1.52	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	O	203	II0	C12-C14	-3.24	1.46	1.51
27	j	602	CLA	C4D-ND	-3.24	1.33	1.37
37	i	310	KC2	CHC-C1C	3.23	1.46	1.39
27	k	307	CLA	C4D-ND	-3.23	1.33	1.37
27	i	304	CLA	C4D-ND	-3.23	1.33	1.37
30	J	101	WVN	C30-C28	3.23	1.53	1.43
27	j	611	CLA	C1D-ND	3.23	1.41	1.37
35	g	318	II0	C12-C14	-3.23	1.46	1.51
37	n	611	KC2	CHB-C4A	3.23	1.46	1.39
27	R	203	CLA	CHC-C1C	3.23	1.43	1.35
35	c	617	II0	C05-C03	3.23	1.64	1.54
35	b	613	II0	C41-C39	3.23	1.53	1.43
27	O	202	CLA	C4D-ND	-3.23	1.33	1.37
27	B	827	CLA	C4D-ND	-3.23	1.33	1.37
27	n	604	CLA	C1D-ND	3.23	1.41	1.37
37	m	610	KC2	CHB-C4A	3.23	1.46	1.39
37	c	610	KC2	C4D-CHA	3.23	1.49	1.45
37	g	313	KC2	CHB-C4A	3.23	1.46	1.39
27	g	322	CLA	CMB-C2B	-3.23	1.44	1.51
27	B	814	CLA	CMB-C2B	-3.22	1.44	1.51
35	c	614	II0	C12-C14	-3.22	1.46	1.51
27	B	814	CLA	C1D-ND	3.22	1.41	1.37
27	l	304	CLA	C1D-ND	3.22	1.41	1.37
35	j	614	II0	C34-C36	3.22	1.52	1.45
35	g	320	II0	C05-C03	3.22	1.64	1.54
27	A	832	CLA	C4D-ND	-3.22	1.33	1.37
27	A	811	CLA	C1D-ND	3.22	1.41	1.37
30	B	845	WVN	C37-C34	-3.22	1.31	1.35
27	b	609	CLA	C4D-ND	-3.22	1.33	1.37
36	c	620	IHT	C41-C38	3.22	1.53	1.43
30	L	205	WVN	C31-C32	3.22	1.52	1.45
30	J	102	WVN	C33-C34	3.21	1.52	1.45
27	B	816	CLA	C1D-ND	3.21	1.41	1.37
36	g	319	IHT	C31-C29	3.21	1.53	1.43
35	c	613	II0	C34-C36	3.21	1.52	1.45
27	j	611	CLA	C4D-ND	-3.21	1.33	1.37
27	j	608	CLA	C4D-ND	-3.21	1.33	1.37
27	a	304	CLA	CHC-C1C	3.21	1.43	1.35
30	J	102	WVN	C39-C36	3.21	1.53	1.43
27	m	606	CLA	C1D-ND	3.21	1.41	1.37
27	e	611	CLA	CHC-C1C	3.21	1.43	1.35
27	A	837	CLA	C4D-ND	-3.21	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	a	316	II0	C05-C03	3.21	1.64	1.54
27	A	855	CLA	C1D-ND	3.21	1.41	1.37
37	k	312	KC2	CHC-C1C	3.21	1.46	1.39
37	j	610	KC2	CHC-C1C	3.21	1.46	1.39
27	B	829	CLA	C1D-ND	3.21	1.41	1.37
37	k	310	KC2	CHC-C1C	3.20	1.46	1.39
27	B	815	CLA	C1D-ND	3.20	1.41	1.37
35	h	311	II0	C05-C03	3.20	1.64	1.54
27	a	308	CLA	C4D-ND	-3.20	1.33	1.37
27	a	303	CLA	CHC-C1C	3.20	1.43	1.35
27	B	813	CLA	C1D-ND	3.20	1.41	1.37
35	O	203	II0	C34-C36	3.20	1.52	1.45
35	i	313	II0	C34-C36	3.20	1.52	1.45
35	f	618	II0	C33-C35	3.20	1.52	1.45
30	A	849	WVN	C33-C34	3.20	1.52	1.45
30	B	846	WVN	C19-C22	3.20	1.52	1.45
27	s	206	CLA	C4D-ND	-3.20	1.33	1.37
27	A	803	CLA	CHC-C1C	3.20	1.43	1.35
27	l	308	CLA	C4D-ND	-3.19	1.33	1.37
27	a	304	CLA	C4D-ND	-3.19	1.33	1.37
37	k	310	KC2	CHB-C4A	3.19	1.46	1.39
30	B	846	WVN	C26-C22	-3.19	1.31	1.35
27	A	827	CLA	C1D-ND	3.19	1.41	1.37
30	L	205	WVN	C26-C22	-3.19	1.31	1.35
27	B	806	CLA	C1D-ND	3.19	1.41	1.37
27	j	603	CLA	C4D-ND	-3.19	1.33	1.37
27	B	832	CLA	CHC-C1C	3.19	1.43	1.35
27	a	303	CLA	C1D-ND	3.19	1.41	1.37
27	A	838	CLA	CMD-C2D	-3.19	1.44	1.50
37	g	314	KC2	C4D-CHA	3.19	1.49	1.45
27	B	821	CLA	C4D-ND	-3.19	1.33	1.37
30	F	205	WVN	C33-C34	3.19	1.52	1.45
27	A	809	CLA	CHC-C1C	3.19	1.43	1.35
27	l	304	CLA	CHC-C1C	3.19	1.43	1.35
30	I	101	WVN	C31-C32	3.19	1.52	1.45
30	F	204	WVN	C36-C32	-3.19	1.31	1.35
27	c	603	CLA	CHC-C1C	3.19	1.43	1.35
37	g	314	KC2	CHC-C1C	3.19	1.46	1.39
27	B	809	CLA	C4D-ND	-3.18	1.33	1.37
30	J	102	WVN	C28-C25	-3.18	1.31	1.35
30	l	301	WVN	C37-C34	-3.18	1.31	1.35
35	b	613	II0	C05-C03	3.18	1.64	1.54

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	h	305	CLA	C4D-ND	-3.18	1.33	1.37
27	m	606	CLA	C4D-ND	-3.18	1.33	1.37
27	A	811	CLA	C4D-ND	-3.18	1.33	1.37
36	O	204	IHT	C32-C33	3.18	1.52	1.45
27	B	818	CLA	C4D-ND	-3.18	1.33	1.37
30	l	316	WVN	C30-C28	3.18	1.53	1.43
27	A	812	CLA	C1D-ND	3.18	1.41	1.37
30	s	205	WVN	C36-C32	-3.18	1.31	1.35
27	A	853	CLA	C4D-ND	-3.18	1.33	1.37
27	i	311	CLA	CHC-C1C	3.18	1.43	1.35
27	f	609	CLA	CHC-C1C	3.18	1.43	1.35
27	B	840	CLA	CHC-C1C	3.18	1.43	1.35
30	l	301	WVN	C19-C22	3.18	1.52	1.45
27	B	836	CLA	C4D-ND	-3.17	1.33	1.37
30	s	207	WVN	C33-C34	3.17	1.52	1.45
35	J	104	II0	C33-C35	3.17	1.52	1.45
27	A	855	CLA	C3B-C2B	-3.17	1.36	1.40
27	h	304	CLA	C4D-ND	-3.17	1.33	1.37
27	A	835	CLA	C4D-ND	-3.17	1.33	1.37
30	s	205	WVN	C29-C26	3.17	1.53	1.43
27	A	836	CLA	C4D-ND	-3.17	1.33	1.37
27	a	312	CLA	CHC-C1C	3.16	1.43	1.35
27	A	817	CLA	C1D-ND	3.16	1.41	1.37
27	A	814	CLA	C1D-ND	3.16	1.41	1.37
35	i	314	II0	C33-C35	3.16	1.52	1.45
27	n	604	CLA	C4D-ND	-3.16	1.33	1.37
30	O	201	WVN	C26-C22	-3.16	1.31	1.35
37	m	610	KC2	CHC-C1C	3.16	1.46	1.39
27	k	302	CLA	CHC-C1C	3.16	1.43	1.35
35	e	613	II0	C05-C03	3.16	1.64	1.54
37	l	311	KC2	CHB-C4A	3.15	1.46	1.39
27	A	834	CLA	CHC-C1C	3.15	1.43	1.35
27	g	310	CLA	CHC-C1C	3.15	1.43	1.35
30	A	847	WVN	C31-C32	3.15	1.52	1.45
27	B	828	CLA	C1D-ND	3.15	1.41	1.37
27	i	302	CLA	C4D-ND	-3.15	1.33	1.37
27	A	834	CLA	C1D-ND	3.15	1.41	1.37
37	i	310	KC2	C4D-CHA	3.15	1.49	1.45
30	A	846	WVN	C19-C22	3.15	1.52	1.45
35	l	315	II0	C33-C35	3.15	1.52	1.45
27	B	835	CLA	CMB-C2B	-3.15	1.45	1.51
37	c	610	KC2	CHC-C1C	3.15	1.46	1.39

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	s	206	CLA	CHC-C1C	3.15	1.43	1.35
27	c	602	CLA	CHC-C1C	3.15	1.43	1.35
30	l	316	WVN	C40-C37	3.15	1.53	1.43
30	h	309	WVN	C31-C32	3.14	1.52	1.45
35	e	612	II0	C33-C35	3.14	1.52	1.45
27	B	805	CLA	C1D-ND	3.14	1.41	1.37
30	L	205	WVN	C39-C36	3.14	1.53	1.43
37	s	201	KC2	CHC-C4B	3.14	1.44	1.38
35	n	615	II0	C33-C35	3.14	1.52	1.45
37	d	309	KC2	CHC-C1C	3.14	1.46	1.39
27	B	815	CLA	CMB-C2B	-3.14	1.45	1.51
27	n	613	CLA	CHC-C1C	3.14	1.43	1.35
30	F	205	WVN	C30-C28	3.14	1.53	1.43
27	A	802	CLA	CHC-C1C	3.14	1.43	1.35
27	A	810	CLA	C1D-ND	3.14	1.41	1.37
27	A	841	CLA	CHC-C1C	3.14	1.43	1.35
27	A	824	CLA	C4D-ND	-3.14	1.33	1.37
37	s	201	KC2	CHC-C1C	3.14	1.46	1.39
30	B	846	WVN	C23-C25	3.14	1.52	1.45
30	A	847	WVN	C29-C26	3.13	1.53	1.43
30	F	205	WVN	C40-C37	3.13	1.53	1.43
30	A	846	WVN	C37-C34	-3.13	1.31	1.35
27	i	304	CLA	CHC-C1C	3.13	1.43	1.35
27	i	308	CLA	C1D-ND	3.13	1.41	1.37
37	g	312	KC2	CHC-C1C	3.13	1.46	1.39
30	s	207	WVN	C40-C37	3.13	1.53	1.43
27	b	609	CLA	CHC-C1C	3.13	1.43	1.35
37	g	312	KC2	C4D-CHA	3.13	1.48	1.45
30	K	103	WVN	C33-C34	3.13	1.52	1.45
36	m	616	IHT	C32-C33	3.13	1.52	1.45
27	A	838	CLA	C4D-ND	-3.13	1.33	1.37
27	i	312	CLA	C4D-ND	-3.13	1.33	1.37
27	g	309	CLA	CHC-C1C	3.13	1.43	1.35
27	B	830	CLA	CMB-C2B	-3.12	1.45	1.51
36	k	317	IHT	C32-C33	3.12	1.52	1.45
30	R	202	WVN	C26-C22	-3.12	1.31	1.35
35	k	316	II0	C12-C14	-3.12	1.46	1.51
27	L	204	CLA	C1D-ND	3.12	1.41	1.37
27	B	823	CLA	CHC-C1C	3.12	1.43	1.35
27	J	105	CLA	CHC-C1C	3.12	1.43	1.35
30	l	316	WVN	C31-C32	3.12	1.52	1.45
27	e	602	CLA	C4D-ND	-3.12	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	l	316	WVN	C23-C25	3.12	1.52	1.45
27	B	809	CLA	C1D-ND	3.12	1.41	1.37
30	B	846	WVN	C40-C37	3.12	1.53	1.43
27	A	852	CLA	C4D-ND	-3.12	1.33	1.37
30	F	205	WVN	C23-C25	3.12	1.52	1.45
27	b	608	CLA	C4D-ND	-3.12	1.33	1.37
27	h	301	CLA	C4D-ND	-3.12	1.33	1.37
27	f	609	CLA	C4D-ND	-3.12	1.33	1.37
30	e	615	WVN	C19-C22	3.11	1.52	1.45
27	e	605	CLA	C4D-ND	-3.11	1.33	1.37
30	s	205	WVN	C19-C22	3.11	1.52	1.45
27	d	301	CLA	CHC-C1C	3.11	1.42	1.35
30	B	846	WVN	C36-C32	-3.11	1.31	1.35
35	g	317	II0	C05-C03	3.11	1.64	1.54
30	I	101	WVN	C29-C26	3.11	1.53	1.43
30	O	201	WVN	C40-C37	3.11	1.53	1.43
27	j	602	CLA	C1D-ND	3.11	1.41	1.37
30	l	301	WVN	C29-C26	3.11	1.53	1.43
30	A	849	WVN	C36-C32	-3.11	1.31	1.35
27	B	835	CLA	C1D-ND	3.11	1.41	1.37
27	A	839	CLA	CHC-C1C	3.11	1.42	1.35
35	g	316	II0	C33-C35	3.11	1.52	1.45
30	A	847	WVN	C40-C37	3.11	1.53	1.43
27	a	309	CLA	CHC-C1C	3.11	1.42	1.35
35	n	615	II0	C05-C03	3.11	1.64	1.54
27	j	601	CLA	C1D-ND	3.10	1.41	1.37
27	B	803	CLA	CHC-C1C	3.10	1.42	1.35
27	c	612	CLA	C4D-ND	-3.10	1.33	1.37
30	F	204	WVN	C26-C22	-3.10	1.31	1.35
30	J	102	WVN	C37-C34	-3.10	1.31	1.35
27	A	828	CLA	C4D-ND	-3.10	1.33	1.37
27	g	311	CLA	C4D-ND	-3.10	1.33	1.37
27	F	203	CLA	C1D-ND	3.10	1.41	1.37
27	B	802	CLA	CHC-C1C	3.10	1.42	1.35
37	e	609	KC2	CHC-C1C	3.10	1.46	1.39
37	k	312	KC2	C4D-CHA	3.10	1.48	1.45
27	a	305	CLA	C4D-ND	-3.10	1.33	1.37
27	d	304	CLA	CMB-C2B	-3.10	1.45	1.51
30	e	615	WVN	C31-C32	3.10	1.52	1.45
27	A	825	CLA	CMD-C2D	-3.09	1.44	1.50
27	m	611	CLA	C1D-ND	3.09	1.41	1.37
27	g	304	CLA	C4D-ND	-3.09	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	s	203	CLA	C4D-ND	-3.09	1.33	1.37
30	A	848	WVN	C28-C25	-3.09	1.31	1.35
35	n	618	II0	C05-C03	3.09	1.64	1.54
30	s	205	WVN	C26-C22	-3.09	1.31	1.35
30	i	315	WVN	C30-C28	3.09	1.53	1.43
27	f	606	CLA	C4D-ND	-3.09	1.33	1.37
27	n	602	CLA	CHC-C1C	3.09	1.42	1.35
30	R	202	WVN	C28-C25	-3.09	1.31	1.35
27	h	302	CLA	CMC-C2C	-3.09	1.44	1.50
35	b	613	II0	C34-C36	3.09	1.52	1.45
27	A	829	CLA	C4D-ND	-3.09	1.33	1.37
27	g	304	CLA	CHC-C1C	3.09	1.42	1.35
30	L	205	WVN	C29-C26	3.09	1.53	1.43
35	i	314	II0	C12-C14	-3.09	1.46	1.51
27	B	821	CLA	CHC-C1C	3.09	1.42	1.35
30	K	103	WVN	C40-C37	3.08	1.53	1.43
30	l	316	WVN	C39-C36	3.08	1.53	1.43
35	l	313	II0	C33-C35	3.08	1.52	1.45
30	l	316	WVN	C29-C26	3.08	1.53	1.43
30	B	847	WVN	C36-C32	-3.08	1.31	1.35
27	h	301	CLA	CMB-C2B	-3.08	1.45	1.51
35	h	312	II0	C41-C39	3.08	1.53	1.43
30	A	846	WVN	C29-C26	3.08	1.53	1.43
27	m	602	CLA	C1D-ND	3.08	1.41	1.37
30	i	315	WVN	C37-C34	-3.08	1.31	1.35
35	j	615	II0	C12-C14	-3.08	1.46	1.51
27	s	208	CLA	C3B-C2B	-3.08	1.36	1.40
27	c	605	CLA	C4D-ND	-3.07	1.33	1.37
37	s	204	KC2	CHB-C4A	3.07	1.46	1.39
37	l	311	KC2	CHC-C1C	3.07	1.46	1.39
27	k	305	CLA	CHC-C1C	3.07	1.42	1.35
27	B	802	CLA	CMC-C2C	-3.07	1.44	1.50
30	s	207	WVN	C19-C22	3.07	1.52	1.45
35	h	311	II0	C34-C36	3.07	1.52	1.45
27	B	808	CLA	CHC-C1C	3.07	1.42	1.35
35	J	104	II0	C05-C03	3.07	1.64	1.54
35	g	316	II0	C05-C03	3.07	1.64	1.54
27	B	822	CLA	CMC-C2C	-3.07	1.44	1.50
30	e	615	WVN	C29-C26	3.07	1.53	1.43
30	s	207	WVN	C39-C36	3.07	1.53	1.43
27	a	313	CLA	CHC-C1C	3.07	1.42	1.35
27	m	612	CLA	C4D-ND	-3.07	1.33	1.37

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	825	CLA	C4D-ND	-3.07	1.33	1.37
27	A	827	CLA	CHC-C1C	3.07	1.42	1.35
30	A	847	WVN	C33-C34	3.06	1.52	1.45
30	i	315	WVN	C29-C26	3.06	1.52	1.43
37	e	609	KC2	C4D-CHA	3.06	1.48	1.45
35	i	313	II0	C33-C35	3.06	1.52	1.45
27	n	604	CLA	CMD-C2D	-3.06	1.44	1.50
37	n	611	KC2	CHC-C1C	3.06	1.46	1.39
27	A	838	CLA	C1D-ND	3.06	1.41	1.37
27	A	817	CLA	CHC-C1C	3.06	1.42	1.35
27	B	803	CLA	C1D-ND	3.06	1.41	1.37
27	B	826	CLA	CHC-C1C	3.06	1.42	1.35
27	A	822	CLA	CHC-C1C	3.06	1.42	1.35
37	n	612	KC2	C4D-CHA	3.06	1.48	1.45
27	L	204	CLA	CMB-C2B	-3.06	1.45	1.51
37	d	310	KC2	CHC-C1C	3.06	1.46	1.39
37	m	610	KC2	C4D-CHA	3.06	1.48	1.45
27	A	825	CLA	CHC-C1C	3.06	1.42	1.35
30	A	846	WVN	C31-C32	3.06	1.52	1.45
35	e	616	II0	C33-C35	3.06	1.52	1.45
30	B	847	WVN	C30-C28	3.06	1.52	1.43
27	b	602	CLA	CHC-C1C	3.06	1.42	1.35
35	J	104	II0	C34-C36	3.05	1.52	1.45
37	g	313	KC2	CHC-C1C	3.05	1.46	1.39
37	l	311	KC2	C4D-CHA	3.05	1.48	1.45
27	d	307	CLA	C4D-ND	-3.05	1.33	1.37
27	B	819	CLA	CHC-C1C	3.05	1.42	1.35
27	e	602	CLA	CHC-C1C	3.05	1.42	1.35
30	A	846	WVN	C40-C37	3.05	1.52	1.43
37	s	204	KC2	CHC-C1C	3.05	1.46	1.39
27	a	307	CLA	C1D-ND	3.05	1.41	1.37
30	K	103	WVN	C39-C36	3.05	1.52	1.43
30	i	315	WVN	C39-C36	3.05	1.52	1.43
35	m	614	II0	C34-C36	3.05	1.52	1.45
27	l	309	CLA	CHC-C1C	3.05	1.42	1.35
30	F	205	WVN	C26-C22	-3.04	1.31	1.35
27	s	209	CLA	C4D-ND	-3.04	1.33	1.37
27	i	305	CLA	CHC-C1C	3.04	1.42	1.35
27	m	604	CLA	CMB-C2B	-3.04	1.45	1.51
27	j	607	CLA	CHC-C1C	3.04	1.42	1.35
35	l	317	II0	C33-C35	3.04	1.52	1.45
35	g	320	II0	C33-C35	3.04	1.52	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	d	312	II0	C12-C14	-3.04	1.46	1.51
37	k	311	KC2	CHB-C4A	3.04	1.46	1.39
27	B	839	CLA	CHC-C1C	3.04	1.42	1.35
37	g	313	KC2	C4D-CHA	3.04	1.48	1.45
27	j	609	CLA	CMD-C2D	-3.04	1.44	1.50
30	B	843	WVN	C30-C28	3.04	1.52	1.43
27	m	607	CLA	CHC-C1C	3.04	1.42	1.35
27	l	309	CLA	CMD-C2D	-3.04	1.44	1.50
35	d	313	II0	C12-C14	-3.04	1.46	1.51
30	l	316	WVN	C19-C22	3.04	1.52	1.45
30	J	102	WVN	C31-C32	3.03	1.52	1.45
35	d	312	II0	C33-C35	3.03	1.52	1.45
27	J	103	CLA	CHC-C1C	3.03	1.42	1.35
35	n	618	II0	C33-C35	3.03	1.52	1.45
27	B	812	CLA	CHC-C1C	3.03	1.42	1.35
27	A	826	CLA	CHC-C1C	3.03	1.42	1.35
30	J	102	WVN	C23-C25	3.03	1.52	1.45
30	i	315	WVN	C31-C32	3.03	1.52	1.45
30	s	207	WVN	C31-C32	3.03	1.52	1.45
30	i	315	WVN	C40-C37	3.03	1.52	1.43
27	B	807	CLA	C1D-ND	3.03	1.41	1.37
30	h	309	WVN	C29-C26	3.03	1.52	1.43
27	A	803	CLA	C4D-ND	-3.03	1.33	1.37
27	B	830	CLA	C4D-ND	-3.03	1.33	1.37
35	n	618	II0	C12-C14	-3.03	1.46	1.51
30	J	102	WVN	C19-C22	3.02	1.52	1.45
27	c	604	CLA	C4D-ND	-3.02	1.33	1.37
27	d	308	CLA	C4D-ND	-3.02	1.33	1.37
35	m	614	II0	C33-C35	3.02	1.52	1.45
27	k	306	CLA	C4D-ND	-3.02	1.33	1.37
27	n	601	CLA	C4D-ND	-3.02	1.33	1.37
30	e	615	WVN	C39-C36	3.02	1.52	1.43
27	B	818	CLA	C1D-ND	3.02	1.41	1.37
27	m	601	CLA	C4D-ND	-3.02	1.33	1.37
27	f	602	CLA	C4D-ND	-3.02	1.33	1.37
35	a	315	II0	C33-C35	3.02	1.52	1.45
35	j	614	II0	C33-C35	3.02	1.52	1.45
30	K	103	WVN	C19-C22	3.02	1.52	1.45
27	a	306	CLA	CHC-C1C	3.02	1.42	1.35
30	s	207	WVN	C30-C28	3.01	1.52	1.43
30	L	205	WVN	C40-C37	3.01	1.52	1.43
30	L	201	WVN	C31-C32	3.01	1.52	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	a	313	CLA	C1D-ND	3.01	1.41	1.37
27	f	608	CLA	CHC-C1C	3.01	1.42	1.35
35	a	316	II0	C33-C35	3.01	1.52	1.45
30	I	101	WVN	C36-C32	-3.01	1.31	1.35
27	c	611	CLA	CHC-C1C	3.01	1.42	1.35
27	b	606	CLA	CHC-C1C	3.01	1.42	1.35
27	A	828	CLA	C1D-ND	3.01	1.41	1.37
30	A	849	WVN	C39-C36	3.01	1.52	1.43
27	k	301	CLA	C4D-ND	-3.01	1.33	1.37
27	J	103	CLA	C1D-ND	3.01	1.41	1.37
35	j	614	II0	C12-C14	-3.01	1.46	1.51
27	a	307	CLA	C4D-ND	-3.01	1.33	1.37
27	A	842	CLA	C1D-ND	3.00	1.41	1.37
27	A	852	CLA	CHC-C1C	3.00	1.42	1.35
27	s	203	CLA	CMD-C2D	-3.00	1.44	1.50
27	B	820	CLA	CHC-C1C	3.00	1.42	1.35
27	A	837	CLA	CMC-C2C	-3.00	1.44	1.50
27	n	604	CLA	CMB-C2B	-3.00	1.45	1.51
27	l	308	CLA	CHC-C1C	3.00	1.42	1.35
27	h	303	CLA	CMB-C2B	-3.00	1.45	1.51
30	h	309	WVN	C39-C36	3.00	1.52	1.43
30	B	847	WVN	C33-C34	3.00	1.52	1.45
27	s	202	CLA	CMB-C2B	-3.00	1.45	1.51
27	d	301	CLA	C4D-ND	-3.00	1.33	1.37
27	A	856	CLA	C1D-ND	3.00	1.41	1.37
27	L	204	CLA	CHC-C1C	3.00	1.42	1.35
27	c	609	CLA	CHC-C1C	3.00	1.42	1.35
27	g	308	CLA	C4D-ND	-3.00	1.33	1.37
30	l	301	WVN	C31-C32	3.00	1.52	1.45
27	A	817	CLA	CMB-C2B	-3.00	1.45	1.51
27	s	202	CLA	C4D-ND	-2.99	1.33	1.37
30	A	849	WVN	C19-C22	2.99	1.52	1.45
30	J	102	WVN	C40-C37	2.99	1.52	1.43
27	h	313	CLA	CHC-C1C	2.99	1.42	1.35
30	I	101	WVN	C39-C36	2.99	1.52	1.43
27	g	307	CLA	C4D-ND	-2.99	1.33	1.37
30	K	103	WVN	C28-C25	-2.99	1.31	1.35
27	d	304	CLA	C4D-ND	-2.99	1.33	1.37
31	A	851	LMT	O2B-C2B	-2.99	1.35	1.43
27	j	609	CLA	C1D-ND	2.99	1.41	1.37
27	l	305	CLA	CHC-C1C	2.99	1.42	1.35
27	i	306	CLA	CHC-C1C	2.99	1.42	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	g	322	CLA	C4D-ND	-2.99	1.33	1.37
27	k	301	CLA	CHC-C1C	2.99	1.42	1.35
27	B	824	CLA	CMB-C2B	-2.99	1.45	1.51
27	f	612	CLA	C4D-ND	-2.99	1.33	1.37
27	F	201	CLA	C1D-ND	2.98	1.41	1.37
27	h	304	CLA	C1D-ND	2.98	1.41	1.37
30	O	201	WVN	C39-C36	2.98	1.52	1.43
37	f	611	KC2	C4D-CHA	2.98	1.48	1.45
27	A	801	CLA	C4D-ND	-2.98	1.33	1.37
27	b	604	CLA	CHC-C1C	2.98	1.42	1.35
27	m	602	CLA	CHC-C1C	2.98	1.42	1.35
30	A	846	WVN	C39-C36	2.98	1.52	1.43
30	I	101	WVN	C40-C37	2.98	1.52	1.43
30	R	201	WVN	C19-C22	2.97	1.52	1.45
27	B	814	CLA	CHC-C1C	2.97	1.42	1.35
30	I	101	WVN	C37-C34	-2.97	1.31	1.35
27	l	306	CLA	CHC-C1C	2.97	1.42	1.35
27	m	608	CLA	C4D-ND	-2.97	1.33	1.37
30	R	202	WVN	C33-C34	2.97	1.52	1.45
30	l	301	WVN	C02-C11	2.97	1.54	1.50
27	b	610	CLA	C4D-ND	-2.97	1.33	1.37
30	B	848	WVN	C30-C28	2.97	1.52	1.43
37	d	310	KC2	C1B-NB	-2.97	1.34	1.37
27	h	305	CLA	CHC-C1C	2.97	1.42	1.35
27	i	303	CLA	CHC-C1C	2.97	1.42	1.35
30	l	301	WVN	C40-C37	2.97	1.52	1.43
30	B	846	WVN	C39-C36	2.97	1.52	1.43
27	A	808	CLA	C1D-ND	2.96	1.41	1.37
27	i	306	CLA	C4D-ND	-2.96	1.33	1.37
27	i	309	CLA	C4D-ND	-2.96	1.33	1.37
37	g	312	KC2	C1B-NB	-2.96	1.34	1.37
27	A	820	CLA	C1D-ND	2.96	1.41	1.37
27	l	310	CLA	CHC-C1C	2.96	1.42	1.35
27	f	601	CLA	CHC-C1C	2.96	1.42	1.35
37	n	611	KC2	C1B-NB	-2.96	1.34	1.37
37	k	311	KC2	C1B-NB	-2.96	1.34	1.37
27	K	101	CLA	C4D-ND	-2.96	1.33	1.37
27	A	816	CLA	C1D-ND	2.96	1.41	1.37
27	n	608	CLA	CHC-C1C	2.95	1.42	1.35
27	A	856	CLA	C4D-ND	-2.95	1.33	1.37
27	L	206	CLA	CHC-C1C	2.95	1.42	1.35
35	h	312	II0	C34-C36	2.95	1.52	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	828	CLA	CHC-C1C	2.95	1.42	1.35
30	J	101	WVN	C37-C34	-2.95	1.31	1.35
30	O	201	WVN	C28-C25	-2.95	1.31	1.35
35	b	615	II0	C34-C36	2.95	1.52	1.45
27	O	202	CLA	CHC-C1C	2.95	1.42	1.35
30	s	205	WVN	C31-C32	2.95	1.52	1.45
27	h	313	CLA	C4D-ND	-2.95	1.33	1.37
27	A	804	CLA	C1D-ND	2.95	1.41	1.37
30	J	101	WVN	C39-C36	2.95	1.52	1.43
30	e	615	WVN	C40-C37	2.95	1.52	1.43
27	m	611	CLA	CHC-C1C	2.95	1.42	1.35
30	J	102	WVN	C30-C28	2.95	1.52	1.43
30	R	202	WVN	C23-C25	2.95	1.52	1.45
27	b	603	CLA	CHC-C1C	2.95	1.42	1.35
27	e	603	CLA	CHC-C1C	2.94	1.42	1.35
27	c	611	CLA	C4D-ND	-2.94	1.33	1.37
27	e	606	CLA	C4D-ND	-2.94	1.33	1.37
27	A	804	CLA	CHC-C1C	2.94	1.42	1.35
30	R	202	WVN	C30-C28	2.94	1.52	1.43
27	B	801	CLA	CHC-C1C	2.94	1.42	1.35
27	K	101	CLA	CHC-C1C	2.94	1.42	1.35
37	d	309	KC2	C1B-NB	-2.94	1.34	1.37
27	d	306	CLA	C4D-ND	-2.94	1.33	1.37
30	s	207	WVN	C36-C32	-2.94	1.31	1.35
30	e	615	WVN	C37-C34	-2.94	1.31	1.35
27	b	605	CLA	CHC-C1C	2.94	1.42	1.35
30	B	845	WVN	C33-C34	2.94	1.52	1.45
27	B	805	CLA	C4D-ND	-2.94	1.33	1.37
27	c	609	CLA	C4D-ND	-2.94	1.33	1.37
30	L	201	WVN	C39-C36	2.94	1.52	1.43
27	B	808	CLA	C4D-ND	-2.94	1.33	1.37
27	B	833	CLA	C1D-ND	2.94	1.41	1.37
35	c	615	II0	C33-C35	2.94	1.52	1.45
27	B	838	CLA	C4D-ND	-2.93	1.33	1.37
35	a	316	II0	C12-C14	-2.93	1.46	1.51
27	e	611	CLA	C4D-ND	-2.93	1.33	1.37
30	J	101	WVN	C40-C37	2.93	1.52	1.43
27	n	601	CLA	CHC-C1C	2.93	1.42	1.35
30	F	205	WVN	C31-C32	2.93	1.52	1.45
30	B	846	WVN	C29-C26	2.93	1.52	1.43
27	j	611	CLA	CHC-C1C	2.93	1.42	1.35
27	A	842	CLA	CHC-C1C	2.93	1.42	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	f	613	CLA	C4D-ND	-2.93	1.33	1.37
30	l	301	WVN	C26-C22	-2.93	1.31	1.35
37	j	610	KC2	C1B-NB	-2.93	1.34	1.37
37	i	310	KC2	C1B-NB	-2.93	1.34	1.37
30	R	201	WVN	C31-C32	2.93	1.52	1.45
27	l	310	CLA	C4D-ND	-2.92	1.33	1.37
30	B	843	WVN	C33-C34	2.92	1.52	1.45
30	B	846	WVN	C31-C32	2.92	1.52	1.45
27	d	304	CLA	CHC-C1C	2.92	1.42	1.35
35	m	613	II0	C33-C35	2.92	1.52	1.45
37	g	314	KC2	C1B-NB	-2.92	1.34	1.37
30	l	316	WVN	C02-C11	2.92	1.54	1.50
30	B	847	WVN	C40-C37	2.92	1.52	1.43
27	B	818	CLA	CHC-C1C	2.92	1.42	1.35
37	n	612	KC2	CHB-C4A	2.92	1.45	1.39
27	L	206	CLA	C4D-ND	-2.92	1.33	1.37
37	j	610	KC2	C4D-CHA	2.92	1.48	1.45
35	f	615	II0	C33-C35	2.92	1.52	1.45
27	A	821	CLA	C1D-ND	2.92	1.41	1.37
37	k	310	KC2	C1B-NB	-2.92	1.34	1.37
27	e	608	CLA	CHC-C1C	2.92	1.42	1.35
35	j	614	II0	C06-C04	2.92	1.64	1.54
27	d	307	CLA	CMB-C2B	-2.92	1.45	1.51
30	A	847	WVN	C26-C22	-2.92	1.31	1.35
27	B	825	CLA	CMB-C2B	-2.91	1.45	1.51
27	l	303	CLA	C4D-ND	-2.91	1.33	1.37
27	B	834	CLA	CMD-C2D	-2.91	1.44	1.50
27	n	606	CLA	C4D-ND	-2.91	1.33	1.37
30	h	309	WVN	C40-C37	2.91	1.52	1.43
27	j	607	CLA	C4D-ND	-2.91	1.33	1.37
30	J	101	WVN	C36-C32	-2.91	1.31	1.35
27	B	805	CLA	CHC-C1C	2.91	1.42	1.35
30	A	849	WVN	C40-C37	2.91	1.52	1.43
27	F	203	CLA	C4D-ND	-2.91	1.33	1.37
30	B	848	WVN	C40-C37	2.91	1.52	1.43
27	m	602	CLA	CMB-C2B	-2.91	1.45	1.51
27	d	311	CLA	C4D-ND	-2.91	1.33	1.37
30	R	201	WVN	C26-C22	-2.91	1.31	1.35
27	m	601	CLA	CHC-C1C	2.91	1.42	1.35
30	K	103	WVN	C36-C32	-2.91	1.31	1.35
27	m	606	CLA	CHC-C1C	2.91	1.42	1.35
30	I	101	WVN	C19-C22	2.91	1.52	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	F	205	WVN	C29-C26	2.91	1.52	1.43
30	A	849	WVN	C28-C25	-2.90	1.31	1.35
27	m	609	CLA	CHC-C1C	2.90	1.42	1.35
27	d	302	CLA	CHC-C1C	2.90	1.42	1.35
30	B	845	WVN	C30-C28	2.90	1.52	1.43
27	A	808	CLA	CHC-C1C	2.90	1.42	1.35
36	g	319	IHT	C32-C33	2.90	1.52	1.45
27	A	801	CLA	CHC-C1C	2.90	1.42	1.35
30	l	301	WVN	C33-C34	2.90	1.52	1.45
30	R	201	WVN	C29-C26	2.90	1.52	1.43
37	k	311	KC2	CHC-C1C	2.89	1.45	1.39
30	A	849	WVN	C30-C28	2.89	1.52	1.43
27	b	610	CLA	CHC-C1C	2.89	1.42	1.35
27	A	839	CLA	C4D-ND	-2.89	1.33	1.37
27	k	313	CLA	C4D-ND	-2.89	1.33	1.37
30	I	101	WVN	C02-C11	2.89	1.54	1.50
30	B	848	WVN	C23-C25	2.89	1.52	1.45
27	B	811	CLA	CHC-C1C	2.89	1.42	1.35
30	l	316	WVN	C37-C34	-2.89	1.31	1.35
27	A	822	CLA	CMD-C2D	-2.89	1.44	1.50
37	l	311	KC2	C1B-NB	-2.89	1.34	1.37
27	B	829	CLA	CHC-C1C	2.89	1.42	1.35
27	k	313	CLA	CHC-C1C	2.89	1.42	1.35
27	g	303	CLA	CHC-C1C	2.89	1.42	1.35
27	f	601	CLA	C4D-ND	-2.89	1.33	1.37
30	s	205	WVN	C02-C11	2.89	1.54	1.50
27	e	602	CLA	CMB-C2B	-2.89	1.45	1.51
27	F	202	CLA	CHC-C1C	2.88	1.42	1.35
30	L	205	WVN	C37-C34	-2.88	1.32	1.35
27	A	830	CLA	CHC-C1C	2.88	1.42	1.35
27	A	820	CLA	CHC-C1C	2.88	1.42	1.35
30	B	843	WVN	C40-C37	2.88	1.52	1.43
27	f	608	CLA	C4D-ND	-2.88	1.33	1.37
27	B	826	CLA	C4D-ND	-2.88	1.33	1.37
30	e	615	WVN	C33-C34	2.88	1.52	1.45
27	c	603	CLA	C4D-ND	-2.88	1.33	1.37
30	A	848	WVN	C30-C28	2.88	1.52	1.43
27	n	610	CLA	CMD-C2D	-2.88	1.44	1.50
37	e	609	KC2	C1B-NB	-2.88	1.34	1.37
30	J	101	WVN	C29-C26	2.88	1.52	1.43
27	A	810	CLA	CHC-C1C	2.88	1.42	1.35
30	F	205	WVN	C19-C22	2.88	1.52	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	c	610	KC2	C1B-NB	-2.88	1.34	1.37
30	K	103	WVN	C30-C28	2.88	1.52	1.43
27	g	307	CLA	CHC-C1C	2.88	1.42	1.35
35	l	302	II0	C34-C36	2.88	1.52	1.45
35	k	315	II0	C34-C36	2.87	1.52	1.45
30	s	205	WVN	C39-C36	2.87	1.52	1.43
27	A	822	CLA	C3B-C2B	-2.87	1.36	1.40
27	f	603	CLA	CHC-C1C	2.87	1.42	1.35
27	f	604	CLA	CHC-C1C	2.87	1.42	1.35
27	a	303	CLA	CMD-C2D	-2.87	1.44	1.50
30	I	101	WVN	C26-C22	-2.87	1.32	1.35
37	g	313	KC2	C1B-NB	-2.87	1.34	1.37
27	B	817	CLA	CHC-C1C	2.87	1.42	1.35
30	F	204	WVN	C31-C32	2.87	1.52	1.45
27	d	306	CLA	CHC-C1C	2.87	1.42	1.35
30	A	848	WVN	C40-C37	2.87	1.52	1.43
37	f	611	KC2	C1B-NB	-2.87	1.34	1.37
27	m	609	CLA	C4D-ND	-2.87	1.33	1.37
37	s	201	KC2	CHB-C1B	2.86	1.43	1.38
37	n	611	KC2	C4D-CHA	2.86	1.48	1.45
27	B	833	CLA	C3B-C2B	-2.86	1.36	1.40
27	A	837	CLA	CHC-C1C	2.86	1.42	1.35
27	g	322	CLA	CHC-C1C	2.86	1.42	1.35
30	R	201	WVN	C28-C25	-2.86	1.32	1.35
27	g	315	CLA	CHC-C1C	2.86	1.42	1.35
27	n	603	CLA	C4D-ND	-2.86	1.33	1.37
36	b	614	IHT	C27-C23	2.86	1.39	1.35
37	k	310	KC2	C4D-CHA	2.86	1.48	1.45
37	k	312	KC2	C1B-NB	-2.86	1.34	1.37
27	h	302	CLA	CHC-C1C	2.86	1.42	1.35
27	g	309	CLA	CMA-C3A	-2.86	1.47	1.53
27	m	605	CLA	CHC-C1C	2.86	1.42	1.35
27	a	309	CLA	C4D-ND	-2.86	1.33	1.37
30	L	201	WVN	C29-C26	2.86	1.52	1.43
37	d	309	KC2	C4D-CHA	2.86	1.48	1.45
30	J	101	WVN	C31-C32	2.85	1.52	1.45
35	l	302	II0	C33-C35	2.85	1.52	1.45
27	h	313	CLA	CMD-C2D	-2.85	1.44	1.50
27	f	605	CLA	CHC-C1C	2.85	1.42	1.35
27	e	610	CLA	CHC-C1C	2.85	1.42	1.35
37	m	610	KC2	C1B-NB	-2.85	1.34	1.37
37	s	204	KC2	CHB-C1B	2.85	1.43	1.38

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	831	CLA	CHC-C1C	2.85	1.42	1.35
27	B	833	CLA	CHC-C1C	2.85	1.42	1.35
27	B	838	CLA	CHC-C1C	2.85	1.42	1.35
27	A	802	CLA	CMB-C2B	-2.85	1.45	1.51
35	b	612	II0	C33-C35	2.85	1.52	1.45
27	c	602	CLA	CMB-C2B	-2.85	1.45	1.51
27	O	206	CLA	CHC-C1C	2.85	1.42	1.35
27	i	312	CLA	CHC-C1C	2.85	1.42	1.35
30	A	849	WVN	C31-C32	2.85	1.52	1.45
37	k	311	KC2	C1A-CHA	2.85	1.48	1.40
30	F	205	WVN	C37-C34	-2.85	1.32	1.35
27	L	203	CLA	C3B-C2B	-2.85	1.36	1.40
27	f	607	CLA	C4D-ND	-2.85	1.33	1.37
30	A	848	WVN	C39-C36	2.84	1.52	1.43
30	F	204	WVN	C39-C36	2.84	1.52	1.43
37	s	204	KC2	C1D-CHD	2.84	1.48	1.41
27	b	608	CLA	CHC-C1C	2.84	1.42	1.35
27	A	805	CLA	CHC-C1C	2.84	1.42	1.35
27	B	824	CLA	CHC-C1C	2.84	1.42	1.35
30	B	845	WVN	C39-C36	2.84	1.52	1.43
27	L	203	CLA	CHC-C1C	2.84	1.42	1.35
27	g	302	CLA	CHC-C1C	2.84	1.42	1.35
27	A	821	CLA	CHC-C1C	2.84	1.42	1.35
27	B	815	CLA	CHC-C1C	2.84	1.42	1.35
27	s	202	CLA	CHC-C1C	2.84	1.42	1.35
30	O	201	WVN	C29-C26	2.84	1.52	1.43
30	M	101	WVN	C31-C32	2.84	1.52	1.45
30	K	103	WVN	C31-C32	2.83	1.52	1.45
27	j	605	CLA	C4D-ND	-2.83	1.33	1.37
30	l	301	WVN	C39-C36	2.83	1.52	1.43
30	e	615	WVN	C23-C25	2.83	1.52	1.45
27	A	806	CLA	CMB-C2B	-2.83	1.45	1.51
27	A	836	CLA	CHC-C1C	2.83	1.42	1.35
27	f	612	CLA	CHC-C1C	2.83	1.42	1.35
27	A	840	CLA	CMB-C2B	-2.82	1.45	1.51
35	f	615	II0	C34-C36	2.82	1.52	1.45
27	m	603	CLA	CHC-C1C	2.82	1.42	1.35
30	B	847	WVN	C20-C13	2.82	1.55	1.45
27	n	605	CLA	C4D-ND	-2.82	1.33	1.37
30	F	204	WVN	C40-C37	2.82	1.52	1.43
30	B	845	WVN	C23-C25	2.82	1.52	1.45
27	a	305	CLA	CHC-C1C	2.82	1.42	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	833	CLA	C4D-ND	-2.82	1.33	1.37
35	c	615	II0	C12-C14	-2.82	1.46	1.51
30	h	309	WVN	C26-C22	-2.81	1.32	1.35
27	n	609	CLA	CMA-C3A	-2.81	1.47	1.53
30	B	846	WVN	C02-C11	2.81	1.54	1.50
37	g	313	KC2	C3C-C4C	2.81	1.50	1.44
27	A	809	CLA	CMC-C2C	-2.81	1.44	1.50
27	e	604	CLA	C4D-ND	-2.81	1.33	1.37
27	j	612	CLA	CHC-C1C	2.81	1.42	1.35
27	B	808	CLA	CMB-C2B	-2.81	1.45	1.51
27	d	311	CLA	CHC-C1C	2.81	1.42	1.35
30	A	847	WVN	C28-C25	-2.81	1.32	1.35
27	A	812	CLA	CHC-C1C	2.81	1.42	1.35
35	a	314	II0	C33-C35	2.81	1.52	1.45
35	e	614	II0	C33-C35	2.81	1.52	1.45
30	R	201	WVN	C39-C36	2.81	1.52	1.43
30	O	201	WVN	C33-C34	2.81	1.52	1.45
27	m	604	CLA	C4D-ND	-2.81	1.33	1.37
35	c	614	II0	C33-C35	2.81	1.52	1.45
30	O	201	WVN	C36-C32	-2.81	1.32	1.35
30	e	615	WVN	C30-C28	2.81	1.52	1.43
30	e	615	WVN	C36-C32	-2.81	1.32	1.35
27	e	604	CLA	CHC-C1C	2.81	1.42	1.35
30	O	201	WVN	C30-C28	2.80	1.52	1.43
27	B	820	CLA	C4D-ND	-2.80	1.33	1.37
30	K	103	WVN	C37-C34	-2.80	1.32	1.35
27	j	602	CLA	CHC-C1C	2.80	1.42	1.35
27	A	807	CLA	CMB-C2B	-2.80	1.45	1.51
30	O	201	WVN	C37-C34	-2.80	1.32	1.35
30	R	202	WVN	C40-C37	2.80	1.52	1.43
27	d	307	CLA	CHC-C1C	2.80	1.42	1.35
30	B	847	WVN	C39-C36	2.80	1.52	1.43
35	g	317	II0	C34-C36	2.80	1.51	1.45
30	i	315	WVN	C02-C11	2.79	1.54	1.50
27	B	824	CLA	CMD-C2D	-2.79	1.44	1.50
30	F	205	WVN	C02-C11	2.79	1.54	1.50
27	B	806	CLA	CMB-C2B	-2.79	1.45	1.51
27	b	607	CLA	CMB-C2B	-2.79	1.45	1.51
27	B	825	CLA	CHC-C1C	2.79	1.42	1.35
30	B	843	WVN	C39-C36	2.79	1.52	1.43
30	F	205	WVN	C39-C36	2.79	1.52	1.43
27	m	607	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)
27	f	603	CLA	C4D-ND	-2.79	1.33	1.37
27	k	304	CLA	C4D-ND	-2.79	1.33	1.37
35	m	615	II0	C33-C35	2.79	1.51	1.45
27	A	834	CLA	CMD-C2D	-2.79	1.44	1.50
27	B	830	CLA	CMD-C2D	-2.79	1.44	1.50
27	f	602	CLA	CHC-C1C	2.79	1.42	1.35
27	c	604	CLA	CHC-C1C	2.79	1.42	1.35
27	k	305	CLA	CAA-C2A	-2.78	1.48	1.54
30	M	101	WVN	C29-C26	2.78	1.52	1.43
35	c	613	II0	C33-C35	2.78	1.51	1.45
30	s	207	WVN	C37-C34	-2.78	1.32	1.35
30	K	103	WVN	C29-C26	2.78	1.52	1.43
27	O	206	CLA	CMB-C2B	-2.78	1.45	1.51
30	B	845	WVN	C28-C25	-2.78	1.32	1.35
30	B	844	WVN	C30-C28	2.78	1.52	1.43
27	j	604	CLA	CMA-C3A	-2.78	1.47	1.53
30	s	207	WVN	C29-C26	2.77	1.52	1.43
27	g	306	CLA	CHC-C1C	2.77	1.42	1.35
27	n	604	CLA	CHC-C1C	2.77	1.42	1.35
27	a	312	CLA	C4D-ND	-2.77	1.33	1.37
27	A	830	CLA	CMD-C2D	-2.77	1.44	1.50
30	R	202	WVN	C29-C26	2.77	1.52	1.43
30	A	847	WVN	C37-C34	-2.77	1.32	1.35
27	c	608	CLA	CHC-C1C	2.77	1.42	1.35
30	B	844	WVN	C39-C36	2.77	1.52	1.43
27	g	311	CLA	C1D-ND	2.77	1.41	1.37
27	j	608	CLA	CHC-C1C	2.77	1.42	1.35
30	B	848	WVN	C39-C36	2.77	1.52	1.43
27	A	807	CLA	CHC-C1C	2.77	1.42	1.35
30	s	205	WVN	C33-C34	2.77	1.51	1.45
27	e	603	CLA	C4D-ND	-2.77	1.33	1.37
30	B	848	WVN	C28-C25	-2.77	1.32	1.35
30	h	309	WVN	C37-C34	-2.77	1.32	1.35
27	c	606	CLA	C3B-C2B	-2.77	1.36	1.40
27	g	308	CLA	CMB-C2B	-2.76	1.45	1.51
30	B	845	WVN	C40-C37	2.76	1.52	1.43
27	B	813	CLA	CHC-C1C	2.76	1.42	1.35
27	B	802	CLA	C1D-ND	2.76	1.41	1.37
27	a	303	CLA	CMB-C2B	-2.76	1.45	1.51
30	R	201	WVN	C30-C28	2.76	1.52	1.43
27	b	608	CLA	CMB-C2B	-2.76	1.45	1.51
30	B	843	WVN	C23-C25	2.76	1.51	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	A	849	WVN	C29-C26	2.76	1.52	1.43
27	A	818	CLA	CHC-C1C	2.76	1.42	1.35
27	B	810	CLA	CHC-C1C	2.76	1.42	1.35
27	F	201	CLA	CHC-C1C	2.76	1.42	1.35
27	b	607	CLA	CHC-C1C	2.76	1.42	1.35
27	l	312	CLA	CHC-C1C	2.76	1.42	1.35
37	i	317	KC2	C4D-CHA	2.76	1.48	1.45
30	M	101	WVN	C40-C37	2.76	1.52	1.43
27	s	209	CLA	CHC-C1C	2.76	1.42	1.35
27	h	307	CLA	CHC-C1C	2.76	1.42	1.35
27	c	602	CLA	C1D-ND	2.76	1.41	1.37
30	M	101	WVN	C19-C22	2.75	1.51	1.45
36	c	620	IHT	C32-C33	2.75	1.51	1.45
27	l	305	CLA	C1D-ND	2.75	1.41	1.37
27	c	612	CLA	CHC-C1C	2.75	1.42	1.35
30	M	101	WVN	C30-C28	2.75	1.52	1.43
27	j	606	CLA	C4D-ND	-2.75	1.33	1.37
27	A	835	CLA	CMB-C2B	-2.75	1.45	1.51
30	A	848	WVN	C19-C22	2.75	1.51	1.45
27	j	603	CLA	CHC-C1C	2.75	1.42	1.35
27	c	607	CLA	CHC-C1C	2.75	1.42	1.35
27	i	309	CLA	C1D-ND	2.75	1.41	1.37
27	A	823	CLA	CHC-C1C	2.75	1.42	1.35
27	J	105	CLA	C4D-ND	-2.75	1.33	1.37
27	c	604	CLA	CMB-C2B	-2.75	1.45	1.51
30	O	201	WVN	C20-C13	2.75	1.54	1.45
27	B	814	CLA	C3B-C2B	-2.74	1.36	1.40
27	e	601	CLA	CHC-C1C	2.74	1.42	1.35
27	h	304	CLA	CHC-C1C	2.74	1.42	1.35
27	e	606	CLA	CHC-C1C	2.74	1.42	1.35
27	a	307	CLA	CHC-C1C	2.74	1.42	1.35
27	B	801	CLA	C4D-ND	-2.74	1.33	1.37
35	b	613	IIO	C33-C35	2.74	1.51	1.45
27	l	305	CLA	C4D-ND	-2.74	1.33	1.37
27	j	604	CLA	C1D-ND	2.74	1.41	1.37
27	g	304	CLA	CMD-C2D	-2.74	1.45	1.50
27	B	837	CLA	CHC-C1C	2.74	1.42	1.35
36	b	614	IHT	C09-C10	-2.74	1.45	1.51
27	B	822	CLA	CHC-C1C	2.73	1.42	1.35
30	K	103	WVN	C23-C25	2.73	1.51	1.45
27	B	833	CLA	CMD-C2D	-2.73	1.45	1.50
30	O	201	WVN	C23-C25	2.73	1.51	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	L	203	CLA	C1D-ND	2.73	1.41	1.37
30	s	205	WVN	C30-C28	2.73	1.51	1.43
27	a	311	CLA	CHC-C1C	2.73	1.42	1.35
30	F	205	WVN	C28-C25	-2.73	1.32	1.35
35	e	613	II0	C33-C35	2.73	1.51	1.45
27	m	612	CLA	CHC-C1C	2.73	1.42	1.35
30	l	301	WVN	C36-C32	-2.72	1.32	1.35
27	f	607	CLA	C3B-C2B	-2.72	1.36	1.40
27	K	102	CLA	CMC-C2C	-2.72	1.45	1.50
30	e	615	WVN	C20-C13	2.72	1.54	1.45
30	R	201	WVN	C40-C37	2.72	1.51	1.43
27	A	836	CLA	CMB-C2B	-2.72	1.46	1.51
27	a	303	CLA	C4D-ND	-2.72	1.33	1.37
27	s	203	CLA	CMB-C2B	-2.72	1.46	1.51
30	F	204	WVN	C29-C26	2.72	1.51	1.43
27	n	603	CLA	CHC-C1C	2.72	1.41	1.35
27	A	831	CLA	CHC-C1C	2.72	1.41	1.35
27	a	313	CLA	CMD-C2D	-2.72	1.45	1.50
30	A	849	WVN	C23-C25	2.72	1.51	1.45
27	m	604	CLA	CHC-C1C	2.72	1.41	1.35
27	A	816	CLA	CHC-C1C	2.71	1.41	1.35
27	k	309	CLA	CHC-C1C	2.71	1.41	1.35
30	B	847	WVN	C29-C26	2.71	1.51	1.43
27	b	605	CLA	CMB-C2B	-2.71	1.46	1.51
27	c	605	CLA	CMB-C2B	-2.71	1.46	1.51
27	l	304	CLA	CMB-C2B	-2.71	1.46	1.51
30	i	315	WVN	C36-C32	-2.71	1.32	1.35
27	L	203	CLA	CMB-C2B	-2.71	1.46	1.51
27	B	806	CLA	C3B-C2B	-2.71	1.36	1.40
27	F	203	CLA	CHC-C1C	2.71	1.41	1.35
27	B	839	CLA	C1D-ND	2.71	1.41	1.37
37	i	317	KC2	C1D-CHD	2.71	1.48	1.41
27	h	308	CLA	C4D-ND	-2.71	1.34	1.37
27	c	605	CLA	CHC-C1C	2.71	1.41	1.35
35	h	310	II0	C33-C35	2.71	1.51	1.45
27	A	823	CLA	CMB-C2B	-2.71	1.46	1.51
27	a	308	CLA	CMB-C2B	-2.71	1.46	1.51
27	h	303	CLA	CHC-C1C	2.71	1.41	1.35
27	A	811	CLA	CHC-C1C	2.71	1.41	1.35
27	B	810	CLA	CMC-C2C	-2.71	1.45	1.50
30	A	847	WVN	C30-C28	2.71	1.51	1.43
27	B	826	CLA	CMB-C2B	-2.71	1.46	1.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	I	101	WVN	C33-C34	2.71	1.51	1.45
27	B	822	CLA	CMB-C2B	-2.70	1.46	1.51
30	s	205	WVN	C40-C37	2.70	1.51	1.43
27	A	853	CLA	CHC-C1C	2.70	1.41	1.35
27	f	613	CLA	CHC-C1C	2.70	1.41	1.35
36	c	620	IHT	C25-C23	2.70	1.56	1.50
30	A	848	WVN	C31-C32	2.70	1.51	1.45
27	k	303	CLA	CMC-C2C	-2.70	1.45	1.50
27	s	208	CLA	CMB-C2B	-2.70	1.46	1.51
27	g	309	CLA	C4D-ND	-2.70	1.34	1.37
30	M	101	WVN	C39-C36	2.70	1.51	1.43
27	B	818	CLA	CMB-C2B	-2.70	1.46	1.51
27	b	605	CLA	C3B-CAB	-2.69	1.42	1.47
27	k	305	CLA	C1D-ND	2.69	1.41	1.37
30	A	846	WVN	C23-C25	2.69	1.51	1.45
27	A	828	CLA	CMD-C2D	-2.69	1.45	1.50
27	b	601	CLA	CMB-C2B	-2.69	1.46	1.51
27	l	307	CLA	C4D-ND	-2.69	1.34	1.37
27	s	209	CLA	CMB-C2B	-2.69	1.46	1.51
27	A	833	CLA	CHC-C1C	2.69	1.41	1.35
36	b	614	IHT	C31-C29	2.69	1.51	1.43
30	B	843	WVN	C29-C26	2.69	1.51	1.43
35	k	315	II0	C33-C35	2.68	1.51	1.45
27	g	302	CLA	C4D-ND	-2.68	1.34	1.37
27	k	307	CLA	CHC-C1C	2.68	1.41	1.35
27	d	303	CLA	CHC-C1C	2.68	1.41	1.35
30	L	205	WVN	C19-C22	2.68	1.51	1.45
27	A	840	CLA	CHC-C1C	2.68	1.41	1.35
27	j	609	CLA	CMB-C2B	-2.68	1.46	1.51
36	O	204	IHT	C18-C07	2.68	1.54	1.45
27	B	804	CLA	CHC-C1C	2.68	1.41	1.35
35	b	612	II0	C34-C36	2.68	1.51	1.45
30	A	846	WVN	C26-C22	-2.68	1.32	1.35
27	l	312	CLA	CMB-C2B	-2.67	1.46	1.51
30	A	848	WVN	C33-C34	2.67	1.51	1.45
27	A	814	CLA	CHC-C1C	2.67	1.41	1.35
27	B	807	CLA	CHC-C1C	2.67	1.41	1.35
27	l	307	CLA	CHC-C1C	2.67	1.41	1.35
37	m	610	KC2	C1D-CHD	2.67	1.48	1.41
30	M	101	WVN	C23-C25	2.67	1.51	1.45
35	d	312	II0	C20-C14	2.67	1.55	1.50
30	B	843	WVN	C31-C32	2.67	1.51	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	I	101	WVN	C30-C28	2.67	1.51	1.43
27	s	208	CLA	CHC-C1C	2.67	1.41	1.35
27	A	824	CLA	CMB-C2B	-2.67	1.46	1.51
27	a	307	CLA	CMB-C2B	-2.67	1.46	1.51
36	c	616	IHT	C25-C23	2.67	1.56	1.50
35	f	616	II0	C33-C35	2.67	1.51	1.45
27	A	824	CLA	CHC-C1C	2.67	1.41	1.35
30	L	201	WVN	C23-C25	2.67	1.51	1.45
27	f	606	CLA	CMB-C2B	-2.66	1.46	1.51
27	B	835	CLA	C3B-C2B	-2.66	1.36	1.40
27	A	840	CLA	C3B-C2B	-2.66	1.36	1.40
27	B	819	CLA	CMC-C2C	-2.66	1.45	1.50
27	A	819	CLA	CMB-C2B	-2.66	1.46	1.51
35	b	615	II0	C33-C35	2.66	1.51	1.45
27	l	306	CLA	CMA-C3A	-2.66	1.47	1.53
31	a	302	LMT	O2'-C2'	-2.66	1.36	1.43
30	B	848	WVN	C19-C22	2.66	1.51	1.45
27	A	806	CLA	CHC-C1C	2.66	1.41	1.35
27	k	305	CLA	CMD-C2D	-2.65	1.45	1.50
27	B	812	CLA	CMC-C2C	-2.65	1.45	1.50
27	A	838	CLA	CHC-C1C	2.65	1.41	1.35
37	d	310	KC2	C4A-C3A	2.65	1.49	1.44
30	B	848	WVN	C29-C26	2.65	1.51	1.43
30	s	207	WVN	C20-C13	2.65	1.54	1.45
30	J	101	WVN	C19-C22	2.65	1.51	1.45
37	e	609	KC2	C4A-C3A	2.65	1.49	1.44
27	A	832	CLA	CHC-C1C	2.65	1.41	1.35
27	A	835	CLA	CHC-C1C	2.65	1.41	1.35
27	B	819	CLA	CMB-C2B	-2.65	1.46	1.51
30	A	848	WVN	C29-C26	2.65	1.51	1.43
30	A	847	WVN	C20-C13	2.65	1.54	1.45
27	j	601	CLA	CHC-C1C	2.64	1.41	1.35
27	e	608	CLA	C4D-ND	-2.64	1.34	1.37
27	l	303	CLA	CHC-C1C	2.64	1.41	1.35
30	J	102	WVN	C20-C13	2.64	1.54	1.45
27	A	827	CLA	CMB-C2B	-2.64	1.46	1.51
27	c	601	CLA	CHC-C1C	2.64	1.41	1.35
27	B	806	CLA	CMD-C2D	-2.64	1.45	1.50
27	B	826	CLA	C3B-C2B	-2.64	1.36	1.40
30	s	207	WVN	C28-C25	-2.64	1.32	1.35
27	A	829	CLA	CHC-C1C	2.64	1.41	1.35
27	A	819	CLA	C3B-C2B	-2.64	1.36	1.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	k	312	KC2	C1D-CHD	2.64	1.48	1.41
27	m	608	CLA	CHC-C1C	2.64	1.41	1.35
27	A	805	CLA	CMB-C2B	-2.63	1.46	1.51
27	A	830	CLA	C1D-ND	2.63	1.41	1.37
27	A	822	CLA	CMB-C2B	-2.63	1.46	1.51
37	d	309	KC2	C1D-CHD	2.63	1.48	1.41
30	l	316	WVN	C28-C25	-2.63	1.32	1.35
27	B	828	CLA	MG-NC	2.63	2.12	2.06
30	K	103	WVN	C20-C13	2.63	1.54	1.45
27	F	201	CLA	CMB-C2B	-2.63	1.46	1.51
27	A	838	CLA	CMB-C2B	-2.63	1.46	1.51
30	B	844	WVN	C23-C25	2.63	1.51	1.45
27	B	834	CLA	CHC-C1C	2.63	1.41	1.35
27	j	605	CLA	CHC-C1C	2.63	1.41	1.35
30	I	101	WVN	C23-C25	2.63	1.51	1.45
27	L	202	CLA	CMB-C2B	-2.63	1.46	1.51
30	L	201	WVN	C19-C22	2.63	1.51	1.45
27	K	102	CLA	CHC-C1C	2.63	1.41	1.35
27	e	607	CLA	CHC-C1C	2.63	1.41	1.35
30	R	201	WVN	C33-C34	2.63	1.51	1.45
30	B	847	WVN	C28-C25	-2.62	1.32	1.35
27	F	202	CLA	CMB-C2B	-2.62	1.46	1.51
31	b	616	LMT	O3'-C3'	-2.62	1.36	1.43
27	B	804	CLA	CMB-C2B	-2.62	1.46	1.51
27	K	102	CLA	CMB-C2B	-2.62	1.46	1.51
27	A	832	CLA	CMB-C2B	-2.62	1.46	1.51
27	f	607	CLA	CHC-C1C	2.62	1.41	1.35
37	s	204	KC2	C3C-C4C	2.62	1.50	1.44
27	m	611	CLA	CMD-C2D	-2.62	1.45	1.50
30	B	847	WVN	C19-C22	2.62	1.51	1.45
31	a	302	LMT	O3'-C3'	-2.62	1.36	1.43
27	A	810	CLA	CMB-C2B	-2.62	1.46	1.51
30	L	201	WVN	C40-C37	2.62	1.51	1.43
27	c	611	CLA	CMB-C2B	-2.62	1.46	1.51
30	l	316	WVN	C36-C32	-2.62	1.32	1.35
27	A	841	CLA	CMB-C2B	-2.61	1.46	1.51
27	c	601	CLA	C1D-ND	2.61	1.41	1.37
35	j	613	II0	C34-C36	2.61	1.51	1.45
30	R	202	WVN	C31-C32	2.61	1.51	1.45
27	B	849	CLA	C3B-C2B	-2.61	1.36	1.40
27	k	305	CLA	CMB-C2B	-2.61	1.46	1.51
27	d	308	CLA	CHC-C1C	2.61	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	853	CLA	CMB-C2B	-2.61	1.46	1.51
27	l	307	CLA	C2A-C1A	2.61	1.58	1.52
35	h	311	II0	C30-C26	-2.61	1.31	1.37
30	e	615	WVN	C28-C25	-2.61	1.32	1.35
27	m	605	CLA	CMB-C2B	-2.61	1.46	1.51
35	h	312	II0	C33-C35	2.61	1.51	1.45
27	h	307	CLA	CMB-C2B	-2.60	1.46	1.51
30	J	102	WVN	C29-C26	2.60	1.51	1.43
27	j	606	CLA	CAA-C2A	-2.60	1.49	1.54
27	c	611	CLA	CMC-C2C	-2.60	1.45	1.50
27	f	610	CLA	CHC-C1C	2.60	1.41	1.35
27	A	856	CLA	CMB-C2B	-2.60	1.46	1.51
27	A	812	CLA	CMC-C2C	-2.60	1.45	1.50
27	A	817	CLA	C3B-C2B	-2.60	1.36	1.40
27	B	828	CLA	CHC-C1C	2.60	1.41	1.35
27	a	305	CLA	CMB-C2B	-2.60	1.46	1.51
30	B	847	WVN	C31-C32	2.60	1.51	1.45
36	n	617	IHT	C25-C23	2.60	1.56	1.50
30	s	207	WVN	C23-C25	2.60	1.51	1.45
27	i	311	CLA	MG-NA	2.59	2.12	2.06
27	f	602	CLA	CMB-C2B	-2.59	1.46	1.51
27	h	308	CLA	CMB-C2B	-2.59	1.46	1.51
37	d	309	KC2	C4A-C3A	2.59	1.49	1.44
30	h	309	WVN	C28-C25	-2.59	1.32	1.35
36	n	617	IHT	C18-C07	2.59	1.54	1.45
27	i	302	CLA	CHC-C1C	2.59	1.41	1.35
30	F	204	WVN	C19-C22	2.59	1.51	1.45
27	A	831	CLA	CMB-C2B	-2.59	1.46	1.51
27	l	303	CLA	CMB-C2B	-2.59	1.46	1.51
30	L	205	WVN	C20-C13	2.59	1.54	1.45
27	B	823	CLA	CMB-C2B	-2.59	1.46	1.51
27	e	601	CLA	CMB-C2B	-2.59	1.46	1.51
27	g	310	CLA	CMD-C2D	-2.58	1.45	1.50
27	a	310	CLA	CHC-C1C	2.58	1.41	1.35
27	B	830	CLA	CHC-C1C	2.58	1.41	1.35
27	A	831	CLA	C3B-C2B	-2.58	1.36	1.40
36	m	616	IHT	C25-C23	2.58	1.56	1.50
27	A	814	CLA	CMB-C2B	-2.58	1.46	1.51
27	g	308	CLA	CMD-C2D	-2.58	1.45	1.50
27	B	828	CLA	C3B-C2B	-2.58	1.36	1.40
27	j	605	CLA	CMB-C2B	-2.58	1.46	1.51
27	n	607	CLA	CHC-C1C	2.58	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	k	317	IHT	C25-C23	2.58	1.56	1.50
37	g	314	KC2	C1D-CHD	2.58	1.48	1.41
27	f	606	CLA	CHC-C1C	2.58	1.41	1.35
30	J	101	WVN	C28-C25	-2.58	1.32	1.35
37	e	609	KC2	C1D-CHD	2.58	1.48	1.41
27	b	606	CLA	CMB-C2B	-2.57	1.46	1.51
36	a	317	IHT	C25-C23	2.57	1.56	1.50
30	B	844	WVN	C33-C34	2.57	1.51	1.45
37	c	610	KC2	C1D-CHD	2.57	1.48	1.41
30	L	201	WVN	C30-C28	2.57	1.51	1.43
27	B	809	CLA	CMB-C2B	-2.57	1.46	1.51
27	i	303	CLA	CMD-C2D	-2.57	1.45	1.50
37	i	310	KC2	C1A-CHA	2.57	1.47	1.40
27	d	303	CLA	C3B-C2B	-2.56	1.36	1.40
30	B	844	WVN	C40-C37	2.56	1.51	1.43
27	B	813	CLA	CMC-C2C	-2.56	1.45	1.50
27	B	833	CLA	CMB-C2B	-2.56	1.46	1.51
27	B	836	CLA	CHC-C1C	2.56	1.41	1.35
37	i	310	KC2	C1D-CHD	2.56	1.48	1.41
27	B	820	CLA	CMB-C2B	-2.56	1.46	1.51
30	J	102	WVN	C36-C32	-2.56	1.32	1.35
27	j	609	CLA	C3B-C2B	-2.56	1.36	1.40
36	g	319	IHT	C25-C23	2.56	1.56	1.50
30	R	202	WVN	C39-C36	2.56	1.51	1.43
27	b	603	CLA	CMB-C2B	-2.56	1.46	1.51
27	b	607	CLA	C1D-ND	2.56	1.40	1.37
27	A	820	CLA	CMD-C2D	-2.56	1.45	1.50
27	J	103	CLA	CMD-C2D	-2.56	1.45	1.50
27	f	610	CLA	CMB-C2B	-2.56	1.46	1.51
27	g	311	CLA	CMB-C2B	-2.56	1.46	1.51
27	h	301	CLA	CHC-C1C	2.56	1.41	1.35
27	g	302	CLA	CMB-C2B	-2.56	1.46	1.51
27	a	307	CLA	C3B-C2B	-2.56	1.36	1.40
27	b	611	CLA	CHC-C1C	2.56	1.41	1.35
27	f	607	CLA	CMB-C2B	-2.55	1.46	1.51
27	l	307	CLA	C3B-C2B	-2.55	1.36	1.40
36	f	617	IHT	C25-C23	2.55	1.56	1.50
27	b	606	CLA	C3B-C2B	-2.55	1.36	1.40
37	i	317	KC2	C1B-NB	-2.55	1.34	1.37
27	A	826	CLA	CMB-C2B	-2.55	1.46	1.51
37	n	612	KC2	C1D-CHD	2.55	1.48	1.41
27	n	608	CLA	CMD-C2D	-2.55	1.45	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	k	303	CLA	CHC-C1C	2.55	1.41	1.35
27	e	603	CLA	CMD-C2D	-2.55	1.45	1.50
27	e	611	CLA	CMB-C2B	-2.55	1.46	1.51
35	g	317	II0	C33-C35	2.55	1.51	1.45
30	i	315	WVN	C28-C25	-2.55	1.32	1.35
27	A	801	CLA	CMB-C2B	-2.55	1.46	1.51
30	l	301	WVN	C30-C28	2.54	1.51	1.43
30	A	849	WVN	C20-C13	2.54	1.54	1.45
27	A	803	CLA	CMB-C2B	-2.54	1.46	1.51
35	a	315	II0	C30-C26	-2.54	1.31	1.37
27	B	803	CLA	CMD-C2D	-2.54	1.45	1.50
37	m	610	KC2	C4A-C3A	2.54	1.49	1.44
27	c	608	CLA	CMC-C2C	-2.54	1.45	1.50
27	a	311	CLA	CMB-C2B	-2.54	1.46	1.51
27	n	610	CLA	CHC-C1C	2.54	1.41	1.35
27	A	804	CLA	CMD-C2D	-2.54	1.45	1.50
27	A	830	CLA	CMB-C2B	-2.54	1.46	1.51
27	B	839	CLA	CMB-C2B	-2.54	1.46	1.51
36	O	204	IHT	C25-C23	2.54	1.56	1.50
27	A	816	CLA	CMB-C2B	-2.54	1.46	1.51
27	e	605	CLA	CHC-C1C	2.54	1.41	1.35
27	f	605	CLA	CMB-C2B	-2.54	1.46	1.51
27	j	601	CLA	CMB-C2B	-2.54	1.46	1.51
30	O	201	WVN	C19-C22	2.54	1.51	1.45
30	l	316	WVN	C20-C13	2.53	1.54	1.45
37	k	310	KC2	C1D-CHD	2.53	1.48	1.41
27	a	310	CLA	CMB-C2B	-2.53	1.46	1.51
27	b	601	CLA	CHC-C1C	2.53	1.41	1.35
27	j	602	CLA	CMB-C2B	-2.53	1.46	1.51
31	a	302	LMT	O1'-C1'	-2.53	1.35	1.40
27	c	607	CLA	CMB-C2B	-2.53	1.46	1.51
27	m	606	CLA	CMB-C2B	-2.53	1.46	1.51
27	B	849	CLA	CHC-C1C	2.53	1.41	1.35
27	d	305	CLA	CHC-C1C	2.53	1.41	1.35
36	m	616	IHT	C18-C07	2.53	1.54	1.45
37	l	311	KC2	C1D-CHD	2.53	1.48	1.41
36	a	317	IHT	C18-C07	2.53	1.54	1.45
27	f	613	CLA	CMB-C2B	-2.53	1.46	1.51
30	O	201	WVN	C31-C32	2.52	1.51	1.45
27	B	828	CLA	CMB-C2B	-2.52	1.46	1.51
36	f	617	IHT	C18-C07	2.52	1.54	1.45
27	n	605	CLA	C4B-CHC	-2.52	1.34	1.41

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	c	602	CLA	CMD-C2D	-2.52	1.45	1.50
27	l	312	CLA	CMD-C2D	-2.52	1.45	1.50
27	A	821	CLA	CMB-C2B	-2.52	1.46	1.51
27	F	203	CLA	O2A-CGA	2.52	1.40	1.33
27	k	307	CLA	CMB-C2B	-2.52	1.46	1.51
27	A	838	CLA	CMC-C2C	-2.52	1.45	1.50
27	a	310	CLA	C3B-C2B	-2.52	1.36	1.40
27	d	306	CLA	CMB-C2B	-2.52	1.46	1.51
27	b	605	CLA	CMD-C2D	-2.52	1.45	1.50
27	s	203	CLA	CHC-C1C	2.52	1.41	1.35
27	g	302	CLA	CMD-C2D	-2.51	1.45	1.50
27	A	828	CLA	CMB-C2B	-2.51	1.46	1.51
27	n	608	CLA	C4D-ND	-2.51	1.34	1.37
27	J	105	CLA	CMB-C2B	-2.51	1.46	1.51
36	j	616	IHT	C25-C23	2.51	1.56	1.50
27	e	607	CLA	C3B-C2B	-2.51	1.36	1.40
27	d	303	CLA	CMB-C2B	-2.51	1.46	1.51
27	a	308	CLA	CHC-C1C	2.51	1.41	1.35
27	B	809	CLA	CHC-C1C	2.51	1.41	1.35
37	d	310	KC2	C1D-CHD	2.51	1.48	1.41
27	k	301	CLA	CMB-C2B	-2.50	1.46	1.51
30	B	845	WVN	C20-C13	2.50	1.54	1.45
37	s	204	KC2	C4D-CHA	2.50	1.48	1.45
27	i	309	CLA	CMB-C2B	-2.50	1.46	1.51
27	n	601	CLA	CMB-C2B	-2.50	1.46	1.51
27	B	810	CLA	CMB-C2B	-2.50	1.46	1.51
27	h	304	CLA	CMD-C2D	-2.50	1.45	1.50
27	m	605	CLA	CMC-C2C	-2.50	1.45	1.50
37	e	609	KC2	C3C-C4C	2.50	1.49	1.44
37	g	312	KC2	C1D-CHD	2.50	1.47	1.41
35	a	314	II0	C34-C36	2.50	1.51	1.45
27	A	852	CLA	CMB-C2B	-2.50	1.46	1.51
27	B	829	CLA	CMD-C2D	-2.50	1.45	1.50
27	b	607	CLA	C3B-C2B	-2.50	1.36	1.40
37	k	311	KC2	C1D-CHD	2.50	1.47	1.41
27	i	309	CLA	CHC-C1C	2.50	1.41	1.35
27	h	302	CLA	CMB-C2B	-2.50	1.46	1.51
37	k	312	KC2	C4A-C3A	2.50	1.49	1.44
37	g	312	KC2	C1A-CHA	2.50	1.47	1.40
27	A	825	CLA	CMB-C2B	-2.49	1.46	1.51
27	i	311	CLA	C4D-ND	-2.49	1.34	1.37
27	j	604	CLA	CHC-C1C	2.49	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	g	313	KC2	C1D-CHD	2.49	1.47	1.41
30	F	204	WVN	C30-C28	2.49	1.51	1.43
37	g	314	KC2	C1A-CHA	2.49	1.47	1.40
27	h	305	CLA	CMB-C2B	-2.49	1.46	1.51
27	l	303	CLA	CMD-C2D	-2.49	1.45	1.50
27	m	612	CLA	CMB-C2B	-2.49	1.46	1.51
31	A	851	LMT	O3B-C3B	-2.49	1.37	1.43
27	A	804	CLA	CMB-C2B	-2.49	1.46	1.51
27	F	203	CLA	CMB-C2B	-2.49	1.46	1.51
35	h	311	II0	C33-C35	2.49	1.51	1.45
27	h	308	CLA	CHC-C1C	2.49	1.41	1.35
27	e	608	CLA	CMB-C2B	-2.49	1.46	1.51
37	d	310	KC2	C4D-CHA	2.49	1.48	1.45
36	b	614	IHT	C25-C23	2.48	1.56	1.50
30	A	846	WVN	C20-C13	2.48	1.53	1.45
27	B	811	CLA	CMB-C2B	-2.48	1.46	1.51
30	J	101	WVN	C20-C13	2.48	1.53	1.45
27	e	607	CLA	CMB-C2B	-2.48	1.46	1.51
27	A	824	CLA	CMD-C2D	-2.48	1.45	1.50
27	B	837	CLA	CMB-C2B	-2.48	1.46	1.51
37	k	312	KC2	C3C-C4C	2.48	1.49	1.44
30	l	316	WVN	C26-C22	-2.48	1.32	1.35
27	B	832	CLA	CMB-C2B	-2.48	1.46	1.51
27	a	304	CLA	CMD-C2D	-2.48	1.45	1.50
27	h	304	CLA	CMB-C2B	-2.48	1.46	1.51
37	g	313	KC2	C1A-CHA	2.48	1.47	1.40
27	B	831	CLA	CMB-C2B	-2.48	1.46	1.51
27	f	612	CLA	CMC-C2C	-2.48	1.45	1.50
27	A	855	CLA	CHC-C1C	2.48	1.41	1.35
27	c	601	CLA	CMD-C2D	-2.48	1.45	1.50
27	k	306	CLA	CHC-C1C	2.48	1.41	1.35
27	e	605	CLA	CMB-C2B	-2.48	1.46	1.51
27	B	812	CLA	CMB-C2B	-2.48	1.46	1.51
27	l	305	CLA	CMB-C2B	-2.48	1.46	1.51
27	A	809	CLA	CMB-C2B	-2.47	1.46	1.51
30	i	315	WVN	C26-C22	-2.47	1.32	1.35
27	f	610	CLA	C3B-C2B	-2.47	1.36	1.40
30	J	101	WVN	C23-C25	2.47	1.51	1.45
27	A	802	CLA	C1D-ND	2.47	1.40	1.37
27	f	609	CLA	CMC-C2C	-2.47	1.45	1.50
27	n	610	CLA	CMB-C2B	-2.47	1.46	1.51
37	n	612	KC2	C4A-C3A	2.46	1.49	1.44

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	811	CLA	CMB-C2B	-2.46	1.46	1.51
37	d	309	KC2	C3C-C4C	2.46	1.49	1.44
27	l	307	CLA	CMB-C2B	-2.46	1.46	1.51
35	l	317	II0	C12-C14	-2.46	1.47	1.51
37	f	611	KC2	C1D-CHD	2.46	1.47	1.41
37	c	610	KC2	C1A-CHA	2.46	1.47	1.40
27	B	837	CLA	CMD-C2D	-2.46	1.45	1.50
30	i	315	WVN	C20-C13	2.46	1.53	1.45
35	l	314	II0	C18-C04	2.46	1.58	1.53
27	B	825	CLA	C1D-ND	2.46	1.40	1.37
37	j	610	KC2	C4A-C3A	2.46	1.49	1.44
27	c	609	CLA	CMB-C2B	-2.46	1.46	1.51
27	j	602	CLA	CMC-C2C	-2.46	1.45	1.50
27	n	606	CLA	CHC-C1C	2.46	1.41	1.35
37	i	317	KC2	C3B-C4B	2.46	1.50	1.46
27	B	836	CLA	CMD-C2D	-2.46	1.45	1.50
37	l	311	KC2	C3C-C4C	2.46	1.49	1.44
27	c	605	CLA	C3B-C2B	-2.46	1.37	1.40
27	B	823	CLA	CMD-C2D	-2.46	1.45	1.50
27	n	607	CLA	CMB-C2B	-2.46	1.46	1.51
27	B	827	CLA	CMB-C2B	-2.45	1.46	1.51
27	g	307	CLA	CMB-C2B	-2.45	1.46	1.51
30	h	309	WVN	C20-C13	2.45	1.53	1.45
30	B	845	WVN	C29-C26	2.45	1.51	1.43
38	i	301	LMU	O5'-C5'	2.45	1.50	1.44
27	B	849	CLA	CMB-C2B	-2.45	1.46	1.51
27	e	606	CLA	CMB-C2B	-2.45	1.46	1.51
27	f	601	CLA	CMB-C2B	-2.45	1.46	1.51
35	l	314	II0	C16-C03	2.45	1.58	1.53
36	R	204	IHT	C18-C07	2.45	1.53	1.45
37	i	317	KC2	C1B-C2B	2.45	1.50	1.45
27	a	310	CLA	C3B-CAB	-2.45	1.42	1.47
27	O	202	CLA	CMD-C2D	-2.45	1.45	1.50
27	F	201	CLA	CMD-C2D	-2.45	1.45	1.50
37	c	610	KC2	C4A-C3A	2.45	1.49	1.44
27	n	605	CLA	CMB-C2B	-2.45	1.46	1.51
27	m	612	CLA	CMD-C2D	-2.45	1.45	1.50
30	M	101	WVN	C20-C13	2.45	1.53	1.45
27	B	814	CLA	CMD-C2D	-2.45	1.45	1.50
37	m	610	KC2	C3C-C4C	2.45	1.49	1.44
27	m	601	CLA	CMB-C2B	-2.45	1.46	1.51
27	B	839	CLA	O2D-CED	-2.45	1.39	1.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	n	611	KC2	C4A-C3A	2.45	1.49	1.44
37	g	312	KC2	C3C-C4C	2.45	1.49	1.44
27	b	611	CLA	CMB-C2B	-2.45	1.46	1.51
27	A	833	CLA	C3B-C2B	-2.45	1.37	1.40
37	k	312	KC2	C1A-CHA	2.45	1.47	1.40
36	k	317	IHT	C18-C07	2.45	1.53	1.45
27	m	603	CLA	CMB-C2B	-2.45	1.46	1.51
35	d	314	II0	C16-C03	2.44	1.58	1.53
27	A	855	CLA	CMD-C2D	-2.44	1.45	1.50
27	L	204	CLA	CMC-C2C	-2.44	1.45	1.50
37	g	314	KC2	C3C-C4C	2.44	1.49	1.44
27	d	305	CLA	CMB-C2B	-2.44	1.46	1.51
27	g	308	CLA	C4B-CHC	-2.44	1.34	1.41
27	a	307	CLA	CMD-C2D	-2.44	1.45	1.50
27	l	310	CLA	CMB-C2B	-2.44	1.46	1.51
27	A	820	CLA	CMC-C2C	-2.44	1.45	1.50
27	n	608	CLA	CMB-C2B	-2.44	1.46	1.51
35	j	613	II0	C33-C35	2.44	1.51	1.45
27	A	815	CLA	MG-ND	-2.44	2.01	2.05
30	B	845	WVN	C02-C11	2.44	1.53	1.50
30	e	615	WVN	C02-C11	2.44	1.53	1.50
27	B	834	CLA	CMB-C2B	-2.44	1.46	1.51
37	k	311	KC2	C3C-C4C	2.44	1.49	1.44
27	i	311	CLA	CMD-C2D	-2.44	1.45	1.50
27	a	309	CLA	CMC-C2C	-2.43	1.45	1.50
37	k	310	KC2	C4A-C3A	2.43	1.49	1.44
30	A	846	WVN	C02-C11	2.43	1.53	1.50
27	a	310	CLA	CMC-C2C	-2.43	1.45	1.50
27	j	612	CLA	CMD-C2D	-2.43	1.45	1.50
27	g	309	CLA	CMC-C2C	-2.43	1.45	1.50
35	l	315	II0	C18-C04	2.43	1.58	1.53
27	b	610	CLA	CMB-C2B	-2.43	1.46	1.51
27	g	308	CLA	CHC-C1C	2.43	1.41	1.35
30	A	846	WVN	C36-C32	-2.43	1.32	1.35
27	a	310	CLA	CMD-C2D	-2.43	1.45	1.50
37	k	310	KC2	C3C-C4C	2.43	1.49	1.44
31	A	851	LMT	O3'-C3'	-2.43	1.37	1.43
27	s	208	CLA	CMD-C2D	-2.42	1.45	1.50
37	s	201	KC2	C4D-CHA	2.42	1.48	1.45
27	j	601	CLA	CMD-C2D	-2.42	1.45	1.50
37	l	311	KC2	C4A-C3A	2.42	1.49	1.44
27	e	606	CLA	CMC-C2C	-2.42	1.45	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	g	306	CLA	CMB-C2B	-2.42	1.46	1.51
27	c	608	CLA	CMA-C3A	-2.42	1.48	1.53
27	B	806	CLA	CHC-C1C	2.42	1.41	1.35
27	f	608	CLA	CMB-C2B	-2.42	1.46	1.51
27	A	842	CLA	CMB-C2B	-2.42	1.46	1.51
27	i	304	CLA	CMB-C2B	-2.42	1.46	1.51
27	B	801	CLA	CMB-C2B	-2.42	1.46	1.51
37	i	310	KC2	C3C-C4C	2.42	1.49	1.44
27	B	821	CLA	CMB-C2B	-2.42	1.46	1.51
27	g	310	CLA	CMC-C2C	-2.42	1.45	1.50
27	b	609	CLA	CMB-C2B	-2.42	1.46	1.51
27	B	816	CLA	CMD-C2D	-2.41	1.45	1.50
27	f	609	CLA	CMB-C2B	-2.41	1.46	1.51
27	m	611	CLA	CMB-C2B	-2.41	1.46	1.51
37	j	610	KC2	C1D-CHD	2.41	1.47	1.41
30	F	204	WVN	C20-C13	2.41	1.53	1.45
27	a	309	CLA	CMB-C2B	-2.41	1.46	1.51
27	A	826	CLA	CMD-C2D	-2.41	1.45	1.50
27	A	812	CLA	CMB-C2B	-2.41	1.46	1.51
27	l	309	CLA	CMB-C2B	-2.41	1.46	1.51
30	M	101	WVN	C33-C34	2.41	1.51	1.45
27	a	312	CLA	CMB-C2B	-2.40	1.46	1.51
30	s	207	WVN	C02-C11	2.40	1.53	1.50
27	B	838	CLA	CMB-C2B	-2.40	1.46	1.51
27	j	603	CLA	CMB-C2B	-2.40	1.46	1.51
36	k	317	IHT	C39-C35	2.40	1.55	1.50
27	B	840	CLA	CMD-C2D	-2.40	1.45	1.50
37	g	312	KC2	C4A-C3A	2.40	1.49	1.44
27	n	603	CLA	C3B-C2B	-2.40	1.37	1.40
37	n	611	KC2	C3C-C4C	2.40	1.49	1.44
27	K	101	CLA	CMB-C2B	-2.40	1.46	1.51
27	B	829	CLA	CMB-C2B	-2.40	1.46	1.51
27	B	820	CLA	CMD-C2D	-2.40	1.45	1.50
27	i	303	CLA	CMB-C2B	-2.40	1.46	1.51
27	d	301	CLA	CMB-C2B	-2.40	1.46	1.51
27	k	304	CLA	CHC-C1C	2.40	1.41	1.35
37	f	611	KC2	C4A-C3A	2.40	1.49	1.44
27	B	837	CLA	C3B-CAB	-2.40	1.43	1.47
27	B	831	CLA	CMC-C2C	-2.40	1.45	1.50
37	f	611	KC2	C3C-C4C	2.40	1.49	1.44
37	g	314	KC2	C4A-C3A	2.40	1.49	1.44
30	B	843	WVN	C02-C11	2.40	1.53	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	n	617	IHT	C39-C35	2.40	1.55	1.50
27	n	603	CLA	CMB-C2B	-2.40	1.46	1.51
36	f	617	IHT	C20-C15	2.40	1.54	1.50
27	O	202	CLA	CMB-C2B	-2.39	1.46	1.51
27	A	809	CLA	CMD-C2D	-2.39	1.45	1.50
27	A	813	CLA	CMB-C2B	-2.39	1.46	1.51
27	A	810	CLA	CMD-C2D	-2.39	1.45	1.50
27	B	828	CLA	CMD-C2D	-2.39	1.45	1.50
27	e	604	CLA	CMB-C2B	-2.39	1.46	1.51
27	a	303	CLA	CMC-C2C	-2.39	1.45	1.50
27	k	304	CLA	C4B-CHC	-2.39	1.34	1.41
27	l	304	CLA	C3B-CAB	-2.39	1.43	1.47
27	c	601	CLA	CMB-C2B	-2.39	1.46	1.51
27	k	304	CLA	CMB-C2B	-2.39	1.46	1.51
27	i	312	CLA	CMB-C2B	-2.39	1.46	1.51
27	A	836	CLA	CMD-C2D	-2.39	1.45	1.50
27	f	612	CLA	MG-NA	2.39	2.11	2.06
27	A	818	CLA	C3C-C2C	2.39	1.41	1.36
27	k	307	CLA	CMC-C2C	-2.39	1.45	1.50
27	m	612	CLA	C3C-C2C	2.39	1.41	1.36
27	A	817	CLA	CMC-C2C	-2.38	1.45	1.50
27	j	606	CLA	CMB-C2B	-2.38	1.46	1.51
27	A	839	CLA	CMB-C2B	-2.38	1.46	1.51
27	j	607	CLA	CMB-C2B	-2.38	1.46	1.51
27	A	810	CLA	C3B-C2B	-2.38	1.37	1.40
30	K	103	WVN	C02-C11	2.38	1.53	1.50
30	A	847	WVN	C23-C25	2.38	1.51	1.45
27	f	603	CLA	CMB-C2B	-2.38	1.46	1.51
27	n	606	CLA	CMB-C2B	-2.38	1.46	1.51
35	g	316	IIO	C16-C03	2.38	1.58	1.53
27	j	604	CLA	CMB-C2B	-2.38	1.46	1.51
27	l	308	CLA	CMB-C2B	-2.38	1.46	1.51
27	g	305	CLA	C4B-CHC	-2.38	1.34	1.41
27	k	313	CLA	CMB-C2B	-2.38	1.46	1.51
27	b	603	CLA	CMD-C2D	-2.38	1.45	1.50
36	m	616	IHT	C39-C35	2.38	1.55	1.50
27	n	603	CLA	CMD-C2D	-2.38	1.45	1.50
30	A	846	WVN	C28-C25	-2.38	1.32	1.35
37	s	201	KC2	C1D-CHD	2.38	1.47	1.41
30	F	204	WVN	C23-C25	2.38	1.51	1.45
27	b	602	CLA	CMB-C2B	-2.37	1.46	1.51
27	B	813	CLA	CMB-C2B	-2.37	1.46	1.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	f	603	CLA	CMD-C2D	-2.37	1.45	1.50
27	k	303	CLA	CMB-C2B	-2.37	1.46	1.51
27	j	611	CLA	CMB-C2B	-2.37	1.46	1.51
27	n	602	CLA	CMD-C2D	-2.37	1.45	1.50
27	j	612	CLA	CMB-C2B	-2.37	1.46	1.51
27	f	602	CLA	CMD-C2D	-2.37	1.45	1.50
36	b	614	IHT	C39-C35	2.37	1.55	1.50
30	B	848	WVN	C31-C32	2.37	1.51	1.45
27	i	302	CLA	CMB-C2B	-2.37	1.46	1.51
27	L	203	CLA	C3B-CAB	-2.37	1.43	1.47
37	s	201	KC2	C3C-C4C	2.37	1.49	1.44
27	B	807	CLA	CMD-C2D	-2.37	1.45	1.50
30	F	204	WVN	C33-C34	2.37	1.51	1.45
36	c	620	IHT	C39-C35	2.37	1.55	1.50
27	k	303	CLA	CMD-C2D	-2.37	1.45	1.50
27	b	605	CLA	MG-ND	-2.37	2.01	2.05
27	b	606	CLA	C3B-CAB	-2.37	1.43	1.47
27	L	206	CLA	CMB-C2B	-2.36	1.46	1.51
27	i	309	CLA	MG-ND	-2.36	2.01	2.05
27	s	202	CLA	CMD-C2D	-2.36	1.45	1.50
27	B	804	CLA	CMD-C2D	-2.36	1.45	1.50
36	R	204	IHT	C25-C23	2.36	1.55	1.50
27	A	805	CLA	CMD-C2D	-2.36	1.45	1.50
27	b	605	CLA	C3B-C2B	-2.36	1.37	1.40
27	a	312	CLA	CMD-C2D	-2.36	1.45	1.50
27	m	602	CLA	C3B-CAB	-2.36	1.43	1.47
37	l	311	KC2	C1A-CHA	2.36	1.46	1.40
27	c	608	CLA	CMB-C2B	-2.36	1.46	1.51
30	L	201	WVN	C33-C34	2.36	1.51	1.45
36	c	616	IHT	C39-C35	2.35	1.55	1.50
27	c	606	CLA	CMC-C2C	-2.35	1.45	1.50
37	d	310	KC2	C4B-NB	-2.35	1.34	1.37
30	B	843	WVN	C20-C13	2.35	1.53	1.45
27	b	604	CLA	CMB-C2B	-2.35	1.46	1.51
27	A	811	CLA	C3B-C2B	-2.35	1.37	1.40
36	g	319	IHT	C18-C07	2.35	1.53	1.45
27	a	306	CLA	CMB-C2B	-2.35	1.46	1.51
27	g	303	CLA	C3B-CAB	-2.35	1.43	1.47
27	J	103	CLA	CMB-C2B	-2.35	1.46	1.51
35	i	314	II0	C18-C04	2.35	1.58	1.53
27	g	305	CLA	CHC-C1C	2.35	1.41	1.35
27	k	307	CLA	C3B-C2B	-2.35	1.37	1.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	m	609	CLA	CMB-C2B	-2.34	1.46	1.51
27	A	840	CLA	CMD-C2D	-2.34	1.45	1.50
30	B	844	WVN	C29-C26	2.34	1.50	1.43
37	e	609	KC2	C1A-CHA	2.34	1.46	1.40
27	h	313	CLA	CMB-C2B	-2.34	1.46	1.51
27	d	302	CLA	CMB-C2B	-2.34	1.46	1.51
27	g	315	CLA	CMD-C2D	-2.34	1.45	1.50
31	A	851	LMT	O4'-C4B	-2.34	1.37	1.43
35	l	317	II0	C18-C04	2.34	1.58	1.53
30	A	847	WVN	C36-C32	-2.34	1.32	1.35
27	c	602	CLA	CMC-C2C	-2.34	1.45	1.50
27	s	206	CLA	CMB-C2B	-2.34	1.46	1.51
27	b	606	CLA	CMD-C2D	-2.34	1.45	1.50
27	g	315	CLA	CMB-C2B	-2.34	1.46	1.51
27	B	836	CLA	CMB-C2B	-2.34	1.46	1.51
37	c	610	KC2	C3C-C4C	2.34	1.49	1.44
27	g	304	CLA	CMB-C2B	-2.33	1.46	1.51
30	R	202	WVN	C20-C13	2.33	1.53	1.45
28	A	843	PQN	O4-C4	-2.33	1.18	1.23
27	g	309	CLA	CMB-C2B	-2.33	1.46	1.51
27	k	303	CLA	C4B-CHC	-2.33	1.34	1.41
27	i	307	CLA	CMC-C2C	-2.33	1.45	1.50
35	d	314	II0	C18-C04	2.33	1.58	1.53
36	c	616	IHT	C18-C07	2.33	1.53	1.45
27	f	612	CLA	CMB-C2B	-2.33	1.46	1.51
27	b	604	CLA	CMD-C2D	-2.33	1.45	1.50
27	A	837	CLA	CMB-C2B	-2.33	1.46	1.51
36	f	617	IHT	C39-C35	2.33	1.55	1.50
36	O	204	IHT	C39-C35	2.33	1.55	1.50
27	B	834	CLA	C3B-C2B	-2.33	1.37	1.40
36	n	617	IHT	C20-C15	2.33	1.54	1.50
27	m	608	CLA	CMB-C2B	-2.32	1.46	1.51
27	l	306	CLA	CMD-C2D	-2.32	1.45	1.50
27	j	608	CLA	CMB-C2B	-2.32	1.46	1.51
37	j	610	KC2	C1A-CHA	2.32	1.46	1.40
27	e	610	CLA	CMB-C2B	-2.32	1.46	1.51
27	A	813	CLA	CHC-C1C	2.32	1.40	1.35
27	h	306	CLA	CMD-C2D	-2.32	1.45	1.50
27	B	808	CLA	CMD-C2D	-2.32	1.45	1.50
27	A	856	CLA	CHC-C1C	2.32	1.40	1.35
27	A	816	CLA	CMD-C2D	-2.32	1.45	1.50
27	k	301	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)
27	d	304	CLA	CMC-C2C	-2.32	1.45	1.50
36	j	616	IHT	C20-C15	2.32	1.54	1.50
27	j	604	CLA	CMD-C2D	-2.32	1.45	1.50
27	k	309	CLA	CMB-C2B	-2.32	1.46	1.51
27	B	822	CLA	CMD-C2D	-2.32	1.45	1.50
36	R	204	IHT	C39-C35	2.31	1.55	1.50
30	R	201	WVN	C20-C13	2.31	1.53	1.45
37	f	611	KC2	C1A-CHA	2.31	1.46	1.40
35	g	317	II0	C16-C03	2.31	1.58	1.53
27	B	809	CLA	CMC-C2C	-2.31	1.45	1.50
30	R	202	WVN	C19-C22	2.31	1.50	1.45
37	i	310	KC2	C4A-C3A	2.31	1.49	1.44
27	c	606	CLA	CMD-C2D	-2.31	1.45	1.50
30	B	844	WVN	C31-C32	2.31	1.50	1.45
27	h	306	CLA	CMB-C2B	-2.31	1.46	1.51
27	L	202	CLA	CMD-C2D	-2.31	1.45	1.50
36	a	317	IHT	C39-C35	2.31	1.55	1.50
27	m	605	CLA	C3B-CAB	-2.31	1.43	1.47
27	g	322	CLA	CMD-C2D	-2.31	1.45	1.50
27	L	202	CLA	CHC-C1C	2.31	1.40	1.35
27	B	809	CLA	C3B-C2B	-2.31	1.37	1.40
27	b	601	CLA	CMD-C2D	-2.31	1.45	1.50
27	l	304	CLA	C3B-C2B	-2.31	1.37	1.40
35	a	318	II0	C18-C04	2.31	1.58	1.53
34	b	619	LMG	O1-C1	2.31	1.44	1.40
27	F	203	CLA	C3B-C2B	-2.30	1.37	1.40
27	a	313	CLA	CMC-C2C	-2.30	1.45	1.50
27	f	606	CLA	CMD-C2D	-2.30	1.45	1.50
27	n	606	CLA	CMD-C2D	-2.30	1.45	1.50
27	d	311	CLA	CMB-C2B	-2.30	1.46	1.51
27	b	609	CLA	CMC-C2C	-2.30	1.45	1.50
27	m	607	CLA	CMC-C2C	-2.30	1.45	1.50
35	J	104	II0	C16-C03	2.30	1.58	1.53
35	m	615	II0	C16-C03	2.30	1.58	1.53
27	e	602	CLA	C3B-CAB	-2.30	1.43	1.47
30	I	101	WVN	C20-C13	2.30	1.53	1.45
36	b	614	IHT	C20-C15	2.30	1.54	1.50
27	B	821	CLA	C1D-ND	2.30	1.40	1.37
27	A	815	CLA	C4B-CHC	-2.30	1.34	1.41
27	A	853	CLA	CMD-C2D	-2.29	1.45	1.50
27	B	819	CLA	CMD-C2D	-2.29	1.45	1.50
27	O	206	CLA	CMD-C2D	-2.29	1.45	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	g	303	CLA	CMB-C2B	-2.29	1.46	1.51
36	c	620	IHT	C18-C07	2.29	1.53	1.45
27	B	837	CLA	C3B-C2B	-2.29	1.37	1.40
27	i	305	CLA	CMC-C2C	-2.29	1.45	1.50
27	A	823	CLA	C3B-C2B	-2.29	1.37	1.40
27	f	605	CLA	CMC-C2C	-2.29	1.45	1.50
27	B	805	CLA	CMB-C2B	-2.29	1.46	1.51
27	k	306	CLA	CMB-C2B	-2.29	1.46	1.51
27	m	602	CLA	C3B-C2B	-2.29	1.37	1.40
27	m	604	CLA	CMD-C2D	-2.29	1.45	1.50
27	O	206	CLA	C3B-C2B	-2.29	1.37	1.40
27	m	607	CLA	CMD-C2D	-2.29	1.46	1.50
27	a	305	CLA	CMD-C2D	-2.29	1.46	1.50
27	B	811	CLA	CMD-C2D	-2.29	1.46	1.50
27	B	835	CLA	CHC-C1C	2.29	1.40	1.35
36	g	319	IHT	C39-C35	2.29	1.55	1.50
27	g	306	CLA	CMC-C2C	-2.29	1.46	1.50
27	A	819	CLA	CHC-C1C	2.28	1.40	1.35
27	j	605	CLA	CMD-C2D	-2.28	1.46	1.50
27	h	305	CLA	CMD-C2D	-2.28	1.46	1.50
27	A	822	CLA	C3B-CAB	-2.28	1.43	1.47
27	A	808	CLA	CMB-C2B	-2.28	1.46	1.51
35	c	613	II0	C16-C03	2.28	1.58	1.53
27	k	309	CLA	C4D-ND	-2.28	1.34	1.37
27	A	807	CLA	CMD-C2D	-2.28	1.46	1.50
37	j	610	KC2	C3C-C4C	2.28	1.49	1.44
37	n	611	KC2	C1D-CHD	2.28	1.47	1.41
27	h	306	CLA	C3B-CAB	-2.28	1.43	1.47
35	e	613	II0	C16-C03	2.28	1.58	1.53
27	A	802	CLA	CMD-C2D	-2.28	1.46	1.50
27	B	817	CLA	CMB-C2B	-2.28	1.46	1.51
27	i	308	CLA	CMB-C2B	-2.28	1.46	1.51
27	n	608	CLA	C3B-C2B	-2.28	1.37	1.40
36	k	317	IHT	C20-C15	2.28	1.54	1.50
27	m	609	CLA	C3B-C2B	-2.28	1.37	1.40
27	A	830	CLA	MG-ND	-2.27	2.01	2.05
27	B	810	CLA	CMD-C2D	-2.27	1.46	1.50
36	j	616	IHT	C18-C07	2.27	1.53	1.45
35	l	302	II0	C18-C04	2.27	1.58	1.53
27	c	609	CLA	CMD-C2D	-2.27	1.46	1.50
27	c	611	CLA	CMD-C2D	-2.27	1.46	1.50
27	e	603	CLA	CMB-C2B	-2.27	1.46	1.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	k	308	CLA	CMB-C2B	-2.27	1.46	1.51
27	a	304	CLA	CMB-C2B	-2.27	1.46	1.51
27	A	815	CLA	CMD-C2D	-2.27	1.46	1.50
28	B	841	PQN	O4-C4	-2.27	1.18	1.23
30	L	201	WVN	C40-C39	-2.27	1.30	1.36
37	k	310	KC2	C1A-CHA	2.27	1.46	1.40
30	A	849	WVN	C02-C11	2.27	1.53	1.50
36	R	204	IHT	C20-C15	2.27	1.54	1.50
27	c	604	CLA	CMD-C2D	-2.26	1.46	1.50
35	f	614	II0	C16-C03	2.26	1.58	1.53
27	A	815	CLA	CHC-C1C	2.26	1.40	1.35
36	j	616	IHT	C39-C35	2.26	1.55	1.50
27	A	832	CLA	C3B-C2B	-2.26	1.37	1.40
27	n	607	CLA	C4B-CHC	-2.26	1.34	1.41
27	d	306	CLA	CMD-C2D	-2.26	1.46	1.50
27	F	202	CLA	CMD-C2D	-2.26	1.46	1.50
35	l	302	II0	C16-C03	2.26	1.58	1.53
37	d	309	KC2	C1A-CHA	2.26	1.46	1.40
27	R	203	CLA	CMB-C2B	-2.26	1.46	1.51
27	a	311	CLA	CMC-C2C	-2.26	1.46	1.50
27	c	603	CLA	CMB-C2B	-2.26	1.46	1.51
27	B	830	CLA	C3B-C2B	-2.26	1.37	1.40
27	f	610	CLA	CMD-C2D	-2.26	1.46	1.50
37	n	611	KC2	C1A-CHA	2.26	1.46	1.40
27	B	820	CLA	CMC-C2C	-2.25	1.46	1.50
30	h	309	WVN	C19-C22	2.25	1.50	1.45
27	h	308	CLA	CMC-C2C	-2.25	1.46	1.50
27	e	606	CLA	O2D-CED	-2.25	1.40	1.45
27	d	304	CLA	C3B-C2B	-2.25	1.37	1.40
27	f	604	CLA	CMB-C2B	-2.25	1.47	1.51
27	A	819	CLA	CMD-C2D	-2.25	1.46	1.50
27	g	311	CLA	CHC-C1C	2.24	1.40	1.35
27	d	308	CLA	CMB-C2B	-2.24	1.47	1.51
27	B	826	CLA	C3B-CAB	-2.24	1.43	1.47
27	B	805	CLA	CMD-C2D	-2.24	1.46	1.50
36	a	317	IHT	C20-C15	2.24	1.54	1.50
27	f	612	CLA	MG-NC	2.24	2.11	2.06
27	n	610	CLA	MG-ND	-2.24	2.01	2.05
27	A	808	CLA	CMD-C2D	-2.24	1.46	1.50
27	n	604	CLA	CMC-C2C	-2.24	1.46	1.50
27	A	856	CLA	CMC-C2C	-2.24	1.46	1.50
37	s	201	KC2	C1A-CHA	2.24	1.46	1.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	826	CLA	CMD-C2D	-2.24	1.46	1.50
27	B	818	CLA	CMC-C2C	-2.24	1.46	1.50
27	i	303	CLA	CMC-C2C	-2.24	1.46	1.50
27	d	301	CLA	CMD-C2D	-2.24	1.46	1.50
27	K	102	CLA	C3B-C2B	-2.24	1.37	1.40
30	L	205	WVN	C28-C25	-2.24	1.32	1.35
27	B	835	CLA	CMD-C2D	-2.24	1.46	1.50
30	A	847	WVN	C02-C11	2.24	1.53	1.50
27	B	803	CLA	CMC-C2C	-2.24	1.46	1.50
35	a	318	II0	C16-C03	2.24	1.58	1.53
27	n	605	CLA	CHC-C1C	2.23	1.40	1.35
27	A	817	CLA	CMD-C2D	-2.23	1.46	1.50
30	A	848	WVN	C20-C13	2.23	1.53	1.45
35	i	313	II0	C15-C03	2.23	1.58	1.53
27	d	306	CLA	CMC-C2C	-2.23	1.46	1.50
27	m	609	CLA	CMD-C2D	-2.23	1.46	1.50
27	g	311	CLA	MG-ND	-2.23	2.01	2.05
27	A	840	CLA	CMC-C2C	-2.23	1.46	1.50
27	A	812	CLA	CMD-C2D	-2.23	1.46	1.50
27	j	604	CLA	C4B-CHC	-2.23	1.34	1.41
27	B	811	CLA	CMC-C2C	-2.23	1.46	1.50
27	B	849	CLA	C4B-CHC	-2.23	1.34	1.41
30	s	205	WVN	C20-C13	2.22	1.53	1.45
27	e	611	CLA	CMD-C2D	-2.22	1.46	1.50
27	a	307	CLA	C3B-CAB	-2.22	1.43	1.47
27	A	802	CLA	CMC-C2C	-2.22	1.46	1.50
27	A	806	CLA	CMD-C2D	-2.22	1.46	1.50
27	s	203	CLA	CMC-C2C	-2.22	1.46	1.50
27	s	202	CLA	CAA-C2A	-2.22	1.50	1.54
29	b	617	LHG	O8-C6	-2.22	1.40	1.45
27	c	612	CLA	CMB-C2B	-2.22	1.47	1.51
27	h	301	CLA	CMD-C2D	-2.22	1.46	1.50
27	g	303	CLA	CMD-C2D	-2.22	1.46	1.50
35	j	613	II0	C16-C03	2.22	1.58	1.53
27	h	303	CLA	CMD-C2D	-2.21	1.46	1.50
27	n	613	CLA	CMD-C2D	-2.21	1.46	1.50
27	k	306	CLA	MG-NA	2.21	2.11	2.06
27	B	817	CLA	CMD-C2D	-2.21	1.46	1.50
27	c	602	CLA	MG-ND	-2.21	2.01	2.05
30	B	846	WVN	C37-C34	-2.21	1.32	1.35
27	A	841	CLA	CMD-C2D	-2.21	1.46	1.50
27	b	611	CLA	CMD-C2D	-2.21	1.46	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	f	613	CLA	C3B-C2B	-2.21	1.37	1.40
27	A	842	CLA	CMD-C2D	-2.21	1.46	1.50
27	A	856	CLA	CAA-C2A	-2.21	1.48	1.53
35	m	613	II0	C16-C03	2.21	1.58	1.53
27	l	305	CLA	CMD-C2D	-2.21	1.46	1.50
27	j	603	CLA	CMD-C2D	-2.21	1.46	1.50
27	h	302	CLA	CMD-C2D	-2.20	1.46	1.50
27	n	613	CLA	CMB-C2B	-2.20	1.47	1.51
27	A	816	CLA	CMC-C2C	-2.20	1.46	1.50
27	A	814	CLA	CMC-C2C	-2.20	1.46	1.50
27	k	307	CLA	CMD-C2D	-2.20	1.46	1.50
35	j	614	II0	C16-C03	2.20	1.58	1.53
35	i	313	II0	C16-C03	2.20	1.58	1.53
27	L	204	CLA	MG-ND	-2.20	2.01	2.05
27	B	807	CLA	CMC-C2C	-2.20	1.46	1.50
27	m	609	CLA	C3B-CAB	-2.20	1.43	1.47
27	A	855	CLA	CMC-C2C	-2.20	1.46	1.50
27	j	608	CLA	CMC-C2C	-2.20	1.46	1.50
27	B	821	CLA	MG-ND	-2.20	2.01	2.05
27	A	827	CLA	CMD-C2D	-2.20	1.46	1.50
27	m	602	CLA	CMC-C2C	-2.20	1.46	1.50
27	n	602	CLA	CMB-C2B	-2.20	1.47	1.51
27	A	811	CLA	CMD-C2D	-2.20	1.46	1.50
27	f	602	CLA	CMC-C2C	-2.20	1.46	1.50
35	d	313	II0	C18-C04	2.19	1.58	1.53
27	m	611	CLA	CMC-C2C	-2.19	1.46	1.50
27	l	306	CLA	CMB-C2B	-2.19	1.47	1.51
27	i	311	CLA	CMB-C2B	-2.19	1.47	1.51
27	k	302	CLA	CMD-C2D	-2.19	1.46	1.50
27	B	803	CLA	CMB-C2B	-2.19	1.47	1.51
37	m	610	KC2	C1A-CHA	2.19	1.46	1.40
27	n	606	CLA	CAA-C2A	-2.19	1.50	1.54
27	B	815	CLA	CMD-C2D	-2.19	1.46	1.50
27	B	831	CLA	CMD-C2D	-2.19	1.46	1.50
27	e	607	CLA	CMD-C2D	-2.19	1.46	1.50
27	j	609	CLA	C4B-CHC	-2.19	1.34	1.41
35	i	318	II0	C16-C03	2.19	1.58	1.53
37	s	201	KC2	CHB-C4A	2.19	1.44	1.39
27	B	832	CLA	CMD-C2D	-2.19	1.46	1.50
35	k	314	II0	C16-C03	2.19	1.58	1.53
35	a	315	II0	C18-C04	2.19	1.58	1.53
27	A	831	CLA	CMD-C2D	-2.19	1.46	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	k	308	CLA	CMD-C2D	-2.19	1.46	1.50
27	d	307	CLA	CMC-C2C	-2.19	1.46	1.50
27	k	302	CLA	CMB-C2B	-2.19	1.47	1.51
27	J	105	CLA	C3B-CAB	-2.19	1.43	1.47
36	g	319	IHT	C20-C15	2.19	1.54	1.50
27	n	610	CLA	O2D-CGD	2.19	1.38	1.33
35	k	316	II0	C18-C04	2.19	1.58	1.53
37	i	317	KC2	C1A-CHA	2.18	1.46	1.40
35	f	616	II0	C18-C04	2.18	1.58	1.53
35	i	313	II0	C18-C04	2.18	1.58	1.53
27	a	308	CLA	C3B-C2B	-2.18	1.37	1.40
27	b	602	CLA	CMC-C2C	-2.18	1.46	1.50
27	g	310	CLA	CMB-C2B	-2.18	1.47	1.51
27	s	208	CLA	C4B-CHC	-2.18	1.34	1.41
27	A	818	CLA	CMD-C2D	-2.18	1.46	1.50
27	s	202	CLA	C3B-C2B	-2.18	1.37	1.40
27	j	609	CLA	CHC-C1C	2.18	1.40	1.35
27	m	603	CLA	CMD-C2D	-2.18	1.46	1.50
27	A	834	CLA	CMC-C2C	-2.18	1.46	1.50
35	k	315	II0	C18-C04	2.18	1.58	1.53
30	L	201	WVN	C20-C13	2.18	1.52	1.45
27	A	855	CLA	O2A-CGA	2.18	1.39	1.33
27	J	103	CLA	CMC-C2C	-2.17	1.46	1.50
27	l	308	CLA	CMD-C2D	-2.17	1.46	1.50
27	n	607	CLA	CMD-C2D	-2.17	1.46	1.50
27	n	604	CLA	C4B-CHC	-2.17	1.34	1.41
27	R	203	CLA	CMD-C2D	-2.17	1.46	1.50
27	h	301	CLA	CMC-C2C	-2.17	1.46	1.50
35	m	614	II0	C16-C03	2.17	1.58	1.53
27	i	307	CLA	CMB-C2B	-2.17	1.47	1.51
27	a	312	CLA	MG-NA	2.17	2.11	2.06
27	a	312	CLA	MG-NC	2.17	2.11	2.06
27	A	822	CLA	CMC-C2C	-2.17	1.46	1.50
35	n	615	II0	C18-C04	2.17	1.58	1.53
27	B	817	CLA	CMC-C2C	-2.17	1.46	1.50
28	A	843	PQN	O1-C1	-2.17	1.18	1.23
27	A	818	CLA	C4B-CHC	-2.17	1.35	1.41
35	n	615	II0	C15-C03	2.17	1.58	1.53
27	A	835	CLA	C3B-C2B	-2.17	1.37	1.40
27	f	604	CLA	CMD-C2D	-2.17	1.46	1.50
27	l	312	CLA	C3B-C2B	-2.16	1.37	1.40
27	i	308	CLA	C3D-C4D	2.16	1.49	1.44

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	c	603	CLA	CMC-C2C	-2.16	1.46	1.50
27	B	804	CLA	CMC-C2C	-2.16	1.46	1.50
27	s	206	CLA	CMD-C2D	-2.16	1.46	1.50
27	b	610	CLA	C3B-C2B	-2.16	1.37	1.40
27	g	305	CLA	CMD-C2D	-2.16	1.46	1.50
35	a	316	II0	C20-C14	2.16	1.54	1.50
27	e	602	CLA	CMD-C2D	-2.16	1.46	1.50
27	A	827	CLA	CMC-C2C	-2.16	1.46	1.50
27	A	807	CLA	CMC-C2C	-2.16	1.46	1.50
27	A	819	CLA	C4B-CHC	-2.16	1.35	1.41
27	d	305	CLA	CAC-C3C	-2.16	1.45	1.51
27	B	809	CLA	CMD-C2D	-2.16	1.46	1.50
27	l	306	CLA	CMC-C2C	-2.16	1.46	1.50
31	b	616	LMT	O2'-C2'	-2.16	1.37	1.43
27	c	608	CLA	CMD-C2D	-2.16	1.46	1.50
27	A	821	CLA	CMD-C2D	-2.16	1.46	1.50
27	A	806	CLA	CMC-C2C	-2.15	1.46	1.50
27	l	303	CLA	C3B-C2B	-2.15	1.37	1.40
30	L	205	WVN	C02-C11	2.15	1.53	1.50
27	k	309	CLA	C3B-C2B	-2.15	1.37	1.40
27	i	306	CLA	CMB-C2B	-2.15	1.47	1.51
35	i	318	II0	C20-C14	2.15	1.54	1.50
30	B	845	WVN	C19-C22	2.15	1.50	1.45
28	B	841	PQN	O1-C1	-2.15	1.18	1.23
27	b	604	CLA	CMC-C2C	-2.15	1.46	1.50
27	j	603	CLA	CMC-C2C	-2.15	1.46	1.50
27	b	611	CLA	C3B-C2B	-2.15	1.37	1.40
27	A	856	CLA	CAC-C3C	-2.15	1.45	1.51
27	k	305	CLA	CMC-C2C	-2.15	1.46	1.50
27	e	607	CLA	C3B-CAB	-2.15	1.43	1.47
27	m	602	CLA	CMD-C2D	-2.15	1.46	1.50
27	m	611	CLA	MG-ND	-2.15	2.01	2.05
27	A	808	CLA	CMC-C2C	-2.15	1.46	1.50
27	A	842	CLA	CMC-C2C	-2.15	1.46	1.50
27	f	605	CLA	CMD-C2D	-2.15	1.46	1.50
35	e	612	II0	C16-C03	2.15	1.58	1.53
27	h	308	CLA	CMD-C2D	-2.15	1.46	1.50
27	A	811	CLA	CMC-C2C	-2.15	1.46	1.50
27	A	834	CLA	CMB-C2B	-2.15	1.47	1.51
30	B	848	WVN	C20-C13	2.15	1.52	1.45
35	m	613	II0	C18-C04	2.15	1.58	1.53
35	e	612	II0	C15-C03	2.15	1.58	1.53

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	833	CLA	C4B-CHC	-2.14	1.35	1.41
27	f	604	CLA	CMC-C2C	-2.14	1.46	1.50
27	k	313	CLA	C3B-C2B	-2.14	1.37	1.40
27	i	311	CLA	CMC-C2C	-2.14	1.46	1.50
27	A	837	CLA	CMD-C2D	-2.14	1.46	1.50
27	B	849	CLA	CMD-C2D	-2.14	1.46	1.50
37	k	311	KC2	C4B-NB	-2.14	1.35	1.37
27	c	606	CLA	C4B-CHC	-2.14	1.35	1.41
30	B	846	WVN	C28-C25	-2.14	1.32	1.35
35	n	616	II0	C16-C03	2.14	1.58	1.53
27	B	840	CLA	CMB-C2B	-2.14	1.47	1.51
27	A	821	CLA	CMC-C2C	-2.14	1.46	1.50
27	d	308	CLA	CMD-C2D	-2.14	1.46	1.50
27	h	304	CLA	MG-ND	-2.14	2.01	2.05
27	g	306	CLA	C3B-CAB	-2.14	1.43	1.47
27	F	203	CLA	CMD-C2D	-2.14	1.46	1.50
27	k	304	CLA	CMD-C2D	-2.14	1.46	1.50
35	k	315	II0	C30-C26	-2.14	1.32	1.37
35	J	104	II0	C18-C04	2.14	1.58	1.53
27	B	814	CLA	CMC-C2C	-2.14	1.46	1.50
27	m	608	CLA	CMC-C2C	-2.13	1.46	1.50
27	n	609	CLA	CMC-C2C	-2.13	1.46	1.50
35	O	203	II0	C16-C03	2.13	1.58	1.53
35	e	616	II0	C18-C04	2.13	1.58	1.53
35	b	612	II0	C16-C03	2.13	1.58	1.53
27	A	835	CLA	CMD-C2D	-2.13	1.46	1.50
27	n	606	CLA	CMC-C2C	-2.13	1.46	1.50
27	j	605	CLA	C4B-CHC	-2.13	1.35	1.41
27	m	605	CLA	CMD-C2D	-2.13	1.46	1.50
27	A	825	CLA	MG-ND	-2.13	2.01	2.05
35	j	614	II0	C20-C14	2.13	1.54	1.50
27	A	818	CLA	C3B-C2B	-2.13	1.37	1.40
27	l	303	CLA	C3B-CAB	-2.13	1.43	1.47
27	f	602	CLA	C3B-CAB	-2.13	1.43	1.47
27	j	611	CLA	CMC-C2C	-2.13	1.46	1.50
27	B	802	CLA	CMB-C2B	-2.13	1.47	1.51
27	e	604	CLA	C3B-CAB	-2.13	1.43	1.47
27	e	604	CLA	CMD-C2D	-2.13	1.46	1.50
27	A	813	CLA	C4B-CHC	-2.13	1.35	1.41
27	B	826	CLA	CMC-C2C	-2.13	1.46	1.50
27	n	605	CLA	CMC-C2C	-2.13	1.46	1.50
27	n	608	CLA	CMC-C2C	-2.13	1.46	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	f	615	II0	C15-C03	2.13	1.57	1.53
27	B	818	CLA	C3B-C2B	-2.13	1.37	1.40
27	h	308	CLA	C3D-C4D	2.13	1.49	1.44
27	B	806	CLA	CMC-C2C	-2.12	1.46	1.50
37	g	313	KC2	C4A-C3A	2.12	1.48	1.44
36	m	616	IHT	C20-C15	2.12	1.54	1.50
30	F	205	WVN	C20-C13	2.12	1.52	1.45
27	L	203	CLA	CMD-C2D	-2.12	1.46	1.50
35	h	312	II0	C16-C03	2.12	1.57	1.53
27	b	611	CLA	CMC-C2C	-2.12	1.46	1.50
36	f	617	IHT	C13-C02	2.12	1.57	1.53
27	a	306	CLA	CMD-C2D	-2.12	1.46	1.50
35	b	615	II0	C30-C26	-2.12	1.32	1.37
27	j	602	CLA	CAC-C3C	-2.12	1.45	1.51
27	g	309	CLA	CMD-C2D	-2.12	1.46	1.50
27	j	601	CLA	C3B-C2B	-2.12	1.37	1.40
27	i	304	CLA	CMD-C2D	-2.12	1.46	1.50
27	A	838	CLA	C4B-CHC	-2.12	1.35	1.41
30	J	101	WVN	C02-C11	2.12	1.53	1.50
27	j	602	CLA	CMD-C2D	-2.12	1.46	1.50
35	b	613	II0	C15-C03	2.12	1.57	1.53
27	K	102	CLA	C4B-CHC	-2.12	1.35	1.41
27	k	309	CLA	MG-ND	-2.12	2.01	2.05
27	A	803	CLA	CMC-C2C	-2.12	1.46	1.50
27	B	801	CLA	CMD-C2D	-2.12	1.46	1.50
27	B	830	CLA	MG-ND	-2.11	2.01	2.05
27	A	810	CLA	CMC-C2C	-2.11	1.46	1.50
27	A	829	CLA	CMD-C2D	-2.11	1.46	1.50
27	f	613	CLA	CMD-C2D	-2.11	1.46	1.50
27	e	606	CLA	C3D-C4D	2.11	1.48	1.44
27	k	313	CLA	CMD-C2D	-2.11	1.46	1.50
30	B	844	WVN	C19-C22	2.11	1.50	1.45
27	m	608	CLA	CMD-C2D	-2.11	1.46	1.50
35	d	313	II0	C20-C14	2.11	1.54	1.50
27	d	311	CLA	CMC-C2C	-2.11	1.46	1.50
27	g	302	CLA	C3B-C2B	-2.11	1.37	1.40
35	k	315	II0	C15-C03	2.11	1.57	1.53
27	k	304	CLA	C3D-C4D	2.11	1.48	1.44
27	s	206	CLA	CMC-C2C	-2.11	1.46	1.50
27	n	602	CLA	CMC-C2C	-2.11	1.46	1.50
27	a	313	CLA	CMB-C2B	-2.11	1.47	1.51
35	l	314	II0	C15-C03	2.11	1.57	1.53

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	A	832	CLA	C4B-CHC	-2.10	1.35	1.41
27	m	601	CLA	CMD-C2D	-2.10	1.46	1.50
27	e	605	CLA	CMD-C2D	-2.10	1.46	1.50
27	l	312	CLA	C3B-CAB	-2.10	1.43	1.47
27	A	823	CLA	CMC-C2C	-2.10	1.46	1.50
27	f	602	CLA	C3B-C2B	-2.10	1.37	1.40
27	s	208	CLA	CMC-C2C	-2.10	1.46	1.50
27	d	302	CLA	CMD-C2D	-2.10	1.46	1.50
35	i	314	II0	C20-C14	2.10	1.54	1.50
27	A	830	CLA	C3B-CAB	-2.10	1.43	1.47
35	g	317	II0	C15-C03	2.10	1.57	1.53
27	l	303	CLA	CAC-C3C	-2.10	1.45	1.51
27	B	819	CLA	C3B-CAB	-2.10	1.43	1.47
27	h	303	CLA	C3B-C2B	-2.10	1.37	1.40
27	n	601	CLA	CMD-C2D	-2.10	1.46	1.50
27	a	307	CLA	MG-ND	-2.10	2.01	2.05
27	a	304	CLA	CMC-C2C	-2.10	1.46	1.50
27	b	605	CLA	CMC-C2C	-2.10	1.46	1.50
27	e	607	CLA	CMC-C2C	-2.10	1.46	1.50
27	A	803	CLA	CMD-C2D	-2.10	1.46	1.50
27	n	608	CLA	C3B-CAB	-2.10	1.43	1.47
27	f	606	CLA	MG-NC	2.10	2.11	2.06
27	A	805	CLA	CMC-C2C	-2.10	1.46	1.50
27	b	610	CLA	CMD-C2D	-2.10	1.46	1.50
27	k	313	CLA	MG-NA	2.10	2.11	2.06
27	e	608	CLA	CMD-C2D	-2.10	1.46	1.50
27	g	315	CLA	C3B-C2B	-2.10	1.37	1.40
27	s	203	CLA	C4B-CHC	-2.10	1.35	1.41
27	n	605	CLA	CMD-C2D	-2.09	1.46	1.50
27	A	825	CLA	C1D-ND	2.09	1.40	1.37
27	L	206	CLA	CMD-C2D	-2.09	1.46	1.50
27	A	814	CLA	CMD-C2D	-2.09	1.46	1.50
27	c	601	CLA	C3B-C2B	-2.09	1.37	1.40
37	s	204	KC2	C4B-NB	-2.09	1.35	1.37
27	m	606	CLA	CMD-C2D	-2.09	1.46	1.50
27	A	819	CLA	CAC-C3C	-2.09	1.45	1.51
27	l	307	CLA	CMD-C2D	-2.09	1.46	1.50
27	n	603	CLA	CMC-C2C	-2.09	1.46	1.50
35	m	614	II0	C20-C14	2.09	1.54	1.50
35	l	313	II0	C16-C03	2.09	1.57	1.53
30	R	202	WVN	C40-C39	-2.09	1.30	1.36
27	i	305	CLA	CMB-C2B	-2.09	1.47	1.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	839	CLA	CMD-C2D	-2.09	1.46	1.50
35	j	614	II0	C15-C03	2.09	1.57	1.53
31	b	616	LMT	O5'-C5'	-2.09	1.39	1.44
27	e	602	CLA	CMC-C2C	-2.09	1.46	1.50
27	e	610	CLA	CMC-C2C	-2.09	1.46	1.50
27	l	307	CLA	C3C-C2C	2.09	1.41	1.36
27	A	805	CLA	MG-ND	-2.09	2.01	2.05
27	A	829	CLA	C4B-CHC	-2.09	1.35	1.41
27	l	310	CLA	CMD-C2D	-2.08	1.46	1.50
27	n	609	CLA	CMD-C2D	-2.08	1.46	1.50
30	B	847	WVN	C02-C11	2.08	1.53	1.50
27	B	804	CLA	C4B-CHC	-2.08	1.35	1.41
27	B	833	CLA	C3B-CAB	-2.08	1.43	1.47
27	k	306	CLA	CMD-C2D	-2.08	1.46	1.50
27	k	305	CLA	C3B-C2B	-2.08	1.37	1.40
27	A	801	CLA	CMD-C2D	-2.08	1.46	1.50
27	A	856	CLA	C4B-CHC	-2.08	1.35	1.41
35	d	312	II0	C16-C03	2.08	1.57	1.53
35	l	317	II0	C16-C03	2.08	1.57	1.53
27	k	302	CLA	CMC-C2C	-2.08	1.46	1.50
37	i	317	KC2	C1C-C2C	2.08	1.48	1.44
27	c	607	CLA	CMD-C2D	-2.08	1.46	1.50
27	a	307	CLA	CMC-C2C	-2.08	1.46	1.50
27	A	813	CLA	CMD-C2D	-2.08	1.46	1.50
27	e	604	CLA	CMC-C2C	-2.08	1.46	1.50
27	h	304	CLA	C3D-C4D	2.08	1.48	1.44
35	a	315	II0	C16-C03	2.07	1.57	1.53
30	B	846	WVN	C20-C13	2.07	1.52	1.45
27	k	305	CLA	C3B-CAB	-2.07	1.43	1.47
35	g	320	II0	C20-C14	2.07	1.54	1.50
27	B	838	CLA	CMC-C2C	-2.07	1.46	1.50
27	B	818	CLA	MG-ND	-2.07	2.01	2.05
35	n	615	II0	C30-C26	-2.07	1.32	1.37
27	j	606	CLA	C3B-CAB	-2.07	1.43	1.47
27	f	605	CLA	C3D-C4D	2.07	1.48	1.44
35	n	614	II0	C20-C14	2.07	1.54	1.50
27	b	606	CLA	CMC-C2C	-2.07	1.46	1.50
27	A	806	CLA	C3B-C2B	-2.07	1.37	1.40
37	k	312	KC2	C4B-NB	-2.07	1.35	1.37
27	K	102	CLA	CMD-C2D	-2.07	1.46	1.50
27	c	604	CLA	CMC-C2C	-2.07	1.46	1.50
30	F	204	WVN	C02-C11	2.07	1.53	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	i	307	CLA	CMD-C2D	-2.07	1.46	1.50
27	i	312	CLA	CMD-C2D	-2.07	1.46	1.50
27	O	202	CLA	CMC-C2C	-2.06	1.46	1.50
27	K	101	CLA	CMC-C2C	-2.06	1.46	1.50
27	d	307	CLA	CMD-C2D	-2.06	1.46	1.50
27	l	307	CLA	C3D-C4D	2.06	1.48	1.44
36	c	620	IHT	C20-C15	2.06	1.54	1.50
27	g	304	CLA	MG-ND	-2.06	2.01	2.05
27	j	608	CLA	CMD-C2D	-2.06	1.46	1.50
27	K	101	CLA	CMD-C2D	-2.06	1.46	1.50
36	O	204	IHT	C13-C02	2.06	1.57	1.53
27	m	603	CLA	CMC-C2C	-2.06	1.46	1.50
27	B	830	CLA	CMC-C2C	-2.06	1.46	1.50
27	B	834	CLA	MG-ND	-2.06	2.01	2.05
27	k	307	CLA	C4B-CHC	-2.06	1.35	1.41
30	B	844	WVN	C40-C39	-2.06	1.30	1.36
27	B	825	CLA	C4B-CHC	-2.06	1.35	1.41
35	e	613	II0	C20-C14	2.06	1.54	1.50
27	e	605	CLA	C4B-CHC	-2.06	1.35	1.41
37	d	310	KC2	C1A-CHA	2.06	1.46	1.40
35	l	315	II0	C16-C03	2.06	1.57	1.53
27	m	607	CLA	C3B-CAB	-2.06	1.43	1.47
27	d	301	CLA	CMC-C2C	-2.06	1.46	1.50
27	e	601	CLA	C3B-C2B	-2.06	1.37	1.40
35	c	617	II0	C18-C04	2.06	1.57	1.53
27	c	601	CLA	MG-ND	-2.05	2.01	2.05
27	A	832	CLA	CMD-C2D	-2.05	1.46	1.50
27	A	828	CLA	CMC-C2C	-2.05	1.46	1.50
27	B	813	CLA	CMD-C2D	-2.05	1.46	1.50
27	c	603	CLA	CMD-C2D	-2.05	1.46	1.50
35	f	614	II0	C18-C04	2.05	1.57	1.53
27	A	833	CLA	CMC-C2C	-2.05	1.46	1.50
27	A	836	CLA	CMC-C2C	-2.05	1.46	1.50
27	F	201	CLA	CMC-C2C	-2.05	1.46	1.50
35	i	318	II0	C15-C03	2.05	1.57	1.53
27	h	301	CLA	MG-ND	-2.05	2.01	2.05
37	g	313	KC2	C4B-NB	-2.05	1.35	1.37
27	B	830	CLA	C4B-CHC	-2.05	1.35	1.41
27	e	607	CLA	C4B-CHC	-2.05	1.35	1.41
27	a	309	CLA	CMD-C2D	-2.05	1.46	1.50
27	m	612	CLA	C3B-C2B	-2.05	1.37	1.40
27	B	812	CLA	CMD-C2D	-2.05	1.46	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	825	CLA	MG-ND	-2.05	2.01	2.05
27	f	612	CLA	CMD-C2D	-2.05	1.46	1.50
27	A	856	CLA	MG-ND	-2.04	2.01	2.05
27	A	830	CLA	CMC-C2C	-2.04	1.46	1.50
27	b	609	CLA	CMD-C2D	-2.04	1.46	1.50
27	n	604	CLA	MG-ND	-2.04	2.01	2.05
35	g	317	II0	C18-C04	2.04	1.57	1.53
27	g	311	CLA	CAC-C3C	-2.04	1.45	1.51
27	A	829	CLA	CMC-C2C	-2.04	1.46	1.50
27	f	608	CLA	CMD-C2D	-2.04	1.46	1.50
27	B	834	CLA	CMC-C2C	-2.04	1.46	1.50
27	f	606	CLA	C3B-C2B	-2.04	1.37	1.40
27	A	820	CLA	MG-ND	-2.04	2.01	2.05
27	b	603	CLA	CMC-C2C	-2.04	1.46	1.50
27	h	306	CLA	CMC-C2C	-2.04	1.46	1.50
35	m	615	II0	C15-C03	2.04	1.57	1.53
27	B	828	CLA	C4B-CHC	-2.04	1.35	1.41
27	j	606	CLA	C3B-C2B	-2.04	1.37	1.40
30	B	848	WVN	C40-C39	-2.04	1.30	1.36
27	j	606	CLA	CHC-C1C	2.04	1.40	1.35
36	k	317	IHT	C13-C02	2.04	1.57	1.53
27	B	834	CLA	C3B-CAB	-2.04	1.43	1.47
27	k	305	CLA	MG-ND	-2.04	2.01	2.05
27	b	610	CLA	C3B-CAB	-2.04	1.43	1.47
27	e	606	CLA	CMD-C2D	-2.04	1.46	1.50
27	b	607	CLA	C3C-C2C	2.04	1.41	1.36
27	e	605	CLA	MG-ND	-2.03	2.01	2.05
27	B	816	CLA	C4B-CHC	-2.03	1.35	1.41
27	A	817	CLA	MG-ND	-2.03	2.01	2.05
35	c	613	II0	C20-C14	2.03	1.54	1.50
27	f	601	CLA	CMD-C2D	-2.03	1.46	1.50
27	j	602	CLA	C3B-CAB	-2.03	1.43	1.47
27	A	824	CLA	C4B-CHC	-2.03	1.35	1.41
27	i	311	CLA	MG-NC	2.03	2.11	2.06
27	e	602	CLA	MG-ND	-2.03	2.01	2.05
27	f	610	CLA	C4B-CHC	-2.03	1.35	1.41
27	s	209	CLA	CMD-C2D	-2.03	1.46	1.50
27	s	202	CLA	C1D-C2D	2.03	1.49	1.45
27	e	610	CLA	C3B-CAB	-2.03	1.43	1.47
30	M	101	WVN	C02-C11	2.03	1.53	1.50
27	e	610	CLA	CMD-C2D	-2.03	1.46	1.50
27	A	839	CLA	CMD-C2D	-2.02	1.46	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	822	CLA	MG-ND	-2.02	2.01	2.05
36	c	616	IHT	C20-C15	2.02	1.54	1.50
27	L	206	CLA	CMC-C2C	-2.02	1.46	1.50
27	l	304	CLA	CMD-C2D	-2.02	1.46	1.50
27	j	609	CLA	MG-ND	-2.02	2.01	2.05
37	n	612	KC2	C1A-CHA	2.02	1.45	1.40
27	A	852	CLA	CMD-C2D	-2.02	1.46	1.50
27	B	832	CLA	CMC-C2C	-2.02	1.46	1.50
27	m	605	CLA	MG-ND	-2.02	2.01	2.05
27	b	608	CLA	CMD-C2D	-2.02	1.46	1.50
27	d	305	CLA	CMD-C2D	-2.02	1.46	1.50
27	a	306	CLA	CMC-C2C	-2.02	1.46	1.50
35	c	613	II0	C18-C04	2.02	1.57	1.53
27	e	601	CLA	CMD-C2D	-2.02	1.46	1.50
27	g	307	CLA	CMD-C2D	-2.02	1.46	1.50
27	A	805	CLA	C4B-CHC	-2.02	1.35	1.41
27	f	609	CLA	CMD-C2D	-2.02	1.46	1.50
35	j	615	II0	C18-C04	2.02	1.57	1.53
27	B	825	CLA	CMC-C2C	-2.02	1.46	1.50
27	l	304	CLA	CMC-C2C	-2.02	1.46	1.50
27	f	607	CLA	CMD-C2D	-2.02	1.46	1.50
35	b	613	II0	C20-C14	2.02	1.54	1.50
27	B	827	CLA	CMD-C2D	-2.02	1.46	1.50
27	d	303	CLA	C4B-CHC	-2.02	1.35	1.41
27	i	309	CLA	C4B-CHC	-2.02	1.35	1.41
27	A	853	CLA	C3B-C2B	-2.02	1.37	1.40
27	A	824	CLA	CMC-C2C	-2.02	1.46	1.50
27	a	308	CLA	CMD-C2D	-2.02	1.46	1.50
27	B	805	CLA	CMC-C2C	-2.01	1.46	1.50
37	n	611	KC2	C4B-NB	-2.01	1.35	1.37
27	b	601	CLA	CAC-C3C	-2.01	1.45	1.51
37	m	610	KC2	C4B-NB	-2.01	1.35	1.37
27	A	833	CLA	C3B-CAB	-2.01	1.43	1.47
27	e	601	CLA	C3D-C4D	2.01	1.48	1.44
35	g	320	II0	C18-C04	2.01	1.57	1.53
27	A	839	CLA	CMC-C2C	-2.01	1.46	1.50
35	g	320	II0	C16-C03	2.01	1.57	1.53
27	m	609	CLA	C4B-CHC	-2.01	1.35	1.41
30	M	101	WVN	C40-C39	-2.01	1.30	1.36
37	l	311	KC2	C4B-NB	-2.01	1.35	1.37
35	g	317	II0	C30-C26	-2.01	1.32	1.37
27	A	841	CLA	CMC-C2C	-2.01	1.46	1.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	823	CLA	CMC-C2C	-2.01	1.46	1.50
27	B	824	CLA	CMC-C2C	-2.01	1.46	1.50
29	b	617	LHG	O7-C5	-2.01	1.41	1.46
27	a	305	CLA	C4B-CHC	-2.01	1.35	1.41
27	e	605	CLA	C3B-CAB	-2.01	1.43	1.47
27	A	831	CLA	CAA-C2A	-2.01	1.50	1.54
27	b	602	CLA	CMD-C2D	-2.01	1.46	1.50
35	g	316	II0	C15-C03	2.01	1.57	1.53
27	f	604	CLA	C1A-CHA	-2.01	1.34	1.43
27	d	306	CLA	C3B-C2B	-2.01	1.37	1.40
27	j	606	CLA	CMC-C2C	-2.01	1.46	1.50
35	e	616	II0	C16-C03	2.01	1.57	1.53
27	d	304	CLA	CMD-C2D	-2.01	1.46	1.50
27	A	823	CLA	CMD-C2D	-2.01	1.46	1.50
27	g	307	CLA	C3B-CAB	-2.01	1.43	1.47
36	O	204	IHT	C20-C15	2.01	1.54	1.50
27	s	202	CLA	C3B-CAB	-2.01	1.43	1.47
35	i	313	II0	C30-C26	-2.01	1.32	1.37
35	a	314	II0	C16-C03	2.01	1.57	1.53
27	B	809	CLA	MG-ND	-2.01	2.01	2.05
27	j	605	CLA	CMC-C2C	-2.01	1.46	1.50
27	s	203	CLA	C3B-C2B	-2.00	1.37	1.40
35	d	312	II0	C15-C03	2.00	1.57	1.53
27	n	607	CLA	CMC-C2C	-2.00	1.46	1.50
27	A	831	CLA	C4B-CHC	-2.00	1.35	1.41
27	B	819	CLA	C3B-C2B	-2.00	1.37	1.40
30	F	205	WVN	C27-C25	2.00	1.55	1.50
35	f	615	II0	C30-C26	-2.00	1.32	1.37
27	e	611	CLA	CMC-C2C	-2.00	1.46	1.50
27	l	309	CLA	CMC-C2C	-2.00	1.46	1.50
36	j	616	IHT	C13-C02	2.00	1.57	1.53
27	g	306	CLA	C3B-C2B	-2.00	1.37	1.40
35	a	314	II0	C18-C04	2.00	1.57	1.53

All (5023) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	813	CLA	C4A-NA-C1A	13.48	112.77	106.71
37	n	612	KC2	C1A-NA-C4A	-12.68	101.01	106.71
37	l	311	KC2	C1A-NA-C4A	-12.26	101.20	106.71
37	n	611	KC2	C1A-NA-C4A	-12.00	101.31	106.71
37	m	610	KC2	C1A-NA-C4A	-11.88	101.36	106.71

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	k	310	KC2	C1A-NA-C4A	-11.88	101.36	106.71
37	d	309	KC2	C1A-NA-C4A	-11.64	101.47	106.71
27	B	833	CLA	C4A-NA-C1A	11.37	111.82	106.71
37	f	611	KC2	C1A-NA-C4A	-11.23	101.66	106.71
37	g	313	KC2	C1A-NA-C4A	-11.20	101.67	106.71
37	e	609	KC2	C1A-NA-C4A	-11.19	101.68	106.71
37	j	610	KC2	C1A-NA-C4A	-11.15	101.69	106.71
37	g	314	KC2	C1A-NA-C4A	-11.00	101.76	106.71
37	k	312	KC2	C1A-NA-C4A	-10.92	101.80	106.71
37	s	201	KC2	CHB-C1B-NB	10.90	134.47	124.45
37	s	204	KC2	C1A-NA-C4A	-10.84	101.83	106.71
37	g	312	KC2	C1A-NA-C4A	-10.66	101.91	106.71
37	k	311	KC2	CHC-C4B-NB	10.53	134.13	124.45
37	l	311	KC2	CHC-C4B-NB	10.47	134.08	124.45
37	e	609	KC2	CHC-C4B-NB	10.44	134.04	124.45
37	g	312	KC2	CHC-C4B-NB	10.35	133.96	124.45
37	k	310	KC2	CHC-C4B-NB	10.31	133.93	124.45
37	d	309	KC2	CHC-C4B-NB	10.30	133.92	124.45
37	k	312	KC2	CHC-C4B-NB	10.28	133.90	124.45
37	g	314	KC2	CHC-C4B-NB	10.27	133.89	124.45
37	j	610	KC2	CHC-C4B-NB	10.24	133.86	124.45
37	i	310	KC2	C1A-NA-C4A	-10.23	102.11	106.71
37	c	610	KC2	C1A-NA-C4A	-10.23	102.11	106.71
37	f	611	KC2	CHC-C4B-NB	10.22	133.85	124.45
37	n	611	KC2	CHC-C4B-NB	10.20	133.82	124.45
37	c	610	KC2	CHC-C4B-NB	10.19	133.82	124.45
37	i	310	KC2	CHC-C4B-NB	10.10	133.74	124.45
37	g	313	KC2	CHC-C4B-NB	10.09	133.73	124.45
37	k	311	KC2	C1A-NA-C4A	-10.07	102.18	106.71
37	m	610	KC2	CHC-C4B-NB	10.05	133.69	124.45
27	A	856	CLA	C4A-NA-C1A	9.97	111.19	106.71
37	d	310	KC2	CHC-C4B-NB	9.84	133.50	124.45
37	n	612	KC2	CHD-C4C-NC	9.81	139.08	124.20
37	s	201	KC2	OBD-CAD-CBD	9.73	139.80	125.89
37	d	310	KC2	C1A-NA-C4A	-9.70	102.35	106.71
37	n	612	KC2	CHB-C1B-NB	9.59	133.27	124.45
37	i	317	KC2	CHD-C4C-NC	9.34	138.37	124.20
27	j	606	CLA	C4A-NA-C1A	9.31	110.89	106.71
37	i	317	KC2	OBD-CAD-C3D	-9.23	112.65	127.98
37	s	201	KC2	C1A-NA-C4A	-9.23	102.56	106.71
37	m	610	KC2	OBD-CAD-CBD	9.22	139.07	125.89
37	k	311	KC2	OBD-CAD-CBD	9.20	139.03	125.89

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	d	310	KC2	CHD-C4C-NC	9.15	138.09	124.20
37	k	312	KC2	OBD-CAD-CBD	9.13	138.95	125.89
30	s	207	WVN	C04-C09-C05	-9.09	116.13	124.85
35	a	318	II0	C42-C40-C36	-9.09	114.34	127.31
37	c	610	KC2	CHD-C4C-NC	9.03	137.91	124.20
30	F	205	WVN	C20-C23-C25	-9.01	112.62	126.23
37	d	310	KC2	OBD-CAD-CBD	9.00	138.75	125.89
37	j	610	KC2	CHD-C4C-NC	8.98	137.83	124.20
37	i	310	KC2	OBD-CAD-C3D	-8.98	113.08	127.98
37	s	201	KC2	CHD-C4C-NC	8.94	137.77	124.20
37	g	312	KC2	CHD-C4C-NC	8.88	137.68	124.20
37	i	310	KC2	CHD-C4C-NC	8.88	137.68	124.20
37	e	609	KC2	OBD-CAD-C3D	-8.88	113.24	127.98
37	l	311	KC2	OBD-CAD-CBD	8.86	138.56	125.89
37	f	611	KC2	CHD-C4C-NC	8.84	137.62	124.20
37	e	609	KC2	CHD-C4C-NC	8.81	137.56	124.20
37	k	310	KC2	OBD-CAD-CBD	8.80	138.47	125.89
37	n	611	KC2	CHD-C4C-NC	8.79	137.54	124.20
37	d	309	KC2	CHD-C4C-NC	8.79	137.53	124.20
37	m	610	KC2	CHD-C4C-NC	8.78	137.52	124.20
37	k	312	KC2	CHD-C4C-NC	8.77	137.51	124.20
37	s	204	KC2	C1A-C2A-C3A	-8.76	100.16	107.11
27	g	302	CLA	C4A-NA-C1A	8.70	110.62	106.71
30	F	205	WVN	C30-C28-C25	-8.69	114.91	127.31
37	s	204	KC2	CHC-C4B-NB	8.68	132.43	124.45
37	n	612	KC2	CHC-C4B-NB	8.65	132.40	124.45
27	B	816	CLA	CMB-C2B-C1B	-8.65	115.18	128.46
37	g	314	KC2	CHD-C4C-NC	8.63	137.29	124.20
37	e	609	KC2	OBD-CAD-CBD	8.63	138.22	125.89
37	n	611	KC2	CMD-C2D-C1D	-8.62	115.22	128.46
37	g	314	KC2	OBD-CAD-C3D	-8.62	113.67	127.98
27	e	601	CLA	C4A-NA-C1A	8.61	110.58	106.71
37	l	311	KC2	CHD-C4C-NC	8.60	137.25	124.20
27	A	804	CLA	C4A-NA-C1A	8.59	110.57	106.71
37	k	310	KC2	CHD-C4C-NC	8.58	137.23	124.20
37	j	610	KC2	OBD-CAD-C3D	-8.56	113.77	127.98
37	n	612	KC2	OBD-CAD-CBD	8.55	138.11	125.89
37	n	611	KC2	OBD-CAD-C3D	-8.53	113.82	127.98
37	d	309	KC2	OBD-CAD-CBD	8.47	137.99	125.89
37	n	611	KC2	CHB-C1B-NB	8.38	132.16	124.45
37	g	313	KC2	OBD-CAD-CBD	8.35	137.82	125.89
37	g	312	KC2	OBD-CAD-CBD	8.34	137.82	125.89

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	g	313	KC2	OBD-CAD-C3D	-8.33	114.15	127.98
27	g	309	CLA	C4A-NA-C1A	8.33	110.45	106.71
37	k	310	KC2	CHB-C1B-NB	8.32	132.10	124.45
37	c	610	KC2	OBD-CAD-CBD	8.31	137.77	125.89
37	k	312	KC2	CHB-C1B-NB	8.31	132.09	124.45
37	k	311	KC2	CHD-C4C-NC	8.28	136.76	124.20
37	m	610	KC2	CHB-C1B-NB	8.27	132.06	124.45
27	B	805	CLA	C4A-NA-C1A	8.26	110.42	106.71
37	k	311	KC2	OBD-CAD-C3D	-8.25	114.29	127.98
37	s	204	KC2	CHD-C4C-NC	8.25	136.71	124.20
37	c	610	KC2	CHB-C1B-NB	8.24	132.03	124.45
37	f	611	KC2	CHB-C1B-NB	8.20	131.99	124.45
37	g	313	KC2	CHD-C4C-NC	8.17	136.60	124.20
27	h	308	CLA	C4A-NA-C1A	8.17	110.38	106.71
37	g	314	KC2	CHB-C1B-NB	8.16	131.95	124.45
37	d	309	KC2	CHB-C1B-NB	8.14	131.94	124.45
37	i	310	KC2	CHB-C1B-NB	8.11	131.91	124.45
37	g	314	KC2	OBD-CAD-CBD	8.11	137.48	125.89
37	e	609	KC2	CHB-C1B-NB	8.10	131.90	124.45
37	g	312	KC2	CHB-C1B-NB	8.09	131.89	124.45
37	i	310	KC2	OBD-CAD-CBD	8.08	137.45	125.89
37	j	610	KC2	CHB-C1B-NB	8.03	131.83	124.45
30	R	202	WVN	C29-C26-C22	-8.03	115.85	127.31
37	c	610	KC2	OBD-CAD-C3D	-7.98	114.73	127.98
30	B	846	WVN	C20-C23-C25	-7.97	114.19	126.23
37	d	309	KC2	OBD-CAD-C3D	-7.96	114.77	127.98
37	j	610	KC2	OBD-CAD-CBD	7.95	137.25	125.89
37	s	201	KC2	CHB-C4A-C3A	-7.95	112.57	124.98
27	J	105	CLA	C4A-NA-C1A	7.94	110.28	106.71
27	e	604	CLA	C4A-NA-C1A	7.93	110.27	106.71
27	a	312	CLA	C4A-NA-C1A	7.91	110.26	106.71
37	f	611	KC2	OBD-CAD-C3D	-7.90	114.87	127.98
37	l	311	KC2	CHB-C1B-NB	7.90	131.71	124.45
37	s	201	KC2	CHC-C4B-NB	7.88	131.70	124.45
37	g	313	KC2	CHB-C1B-NB	7.86	131.68	124.45
37	d	310	KC2	OBD-CAD-C3D	-7.86	114.93	127.98
35	j	613	II0	C41-C39-C35	-7.86	116.09	127.31
37	k	310	KC2	OBD-CAD-C3D	-7.84	114.96	127.98
37	f	611	KC2	OBD-CAD-CBD	7.82	137.07	125.89
37	k	312	KC2	OBD-CAD-C3D	-7.82	114.99	127.98
37	s	204	KC2	CMD-C2D-C1D	-7.80	116.48	128.46
37	g	312	KC2	OBD-CAD-C3D	-7.75	115.11	127.98

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	836	CLA	C4A-NA-C1A	7.72	110.18	106.71
37	n	611	KC2	CMD-C2D-C3D	7.72	139.12	124.68
37	s	204	KC2	OBD-CAD-CBD	7.72	136.92	125.89
35	k	315	II0	C41-C39-C35	-7.72	116.30	127.31
37	m	610	KC2	OBD-CAD-C3D	-7.71	115.17	127.98
37	n	612	KC2	OBD-CAD-C3D	-7.71	115.19	127.98
37	n	611	KC2	OBD-CAD-CBD	7.70	136.90	125.89
35	d	314	II0	C41-C39-C35	-7.67	116.36	127.31
35	f	614	II0	C20-C14-C10	-7.65	113.95	124.35
37	g	313	KC2	C2C-C1C-NC	7.63	118.90	110.57
37	d	310	KC2	CHB-C1B-NB	7.61	131.45	124.45
27	A	815	CLA	CMB-C2B-C1B	-7.56	116.84	128.46
37	k	311	KC2	C2C-C1C-NC	7.55	118.82	110.57
37	k	310	KC2	CMD-C2D-C1D	-7.55	116.86	128.46
35	n	614	II0	C42-C40-C36	-7.53	116.56	127.31
35	c	617	II0	C20-C14-C10	-7.52	114.13	124.35
27	A	807	CLA	C4A-NA-C1A	7.48	110.07	106.71
37	s	201	KC2	OBD-CAD-C3D	-7.47	115.58	127.98
35	c	614	II0	C04-C10-C14	-7.46	112.11	122.63
37	f	611	KC2	CMD-C2D-C1D	-7.45	117.01	128.46
37	i	317	KC2	CHC-C4B-NB	7.45	131.30	124.45
37	l	311	KC2	CMD-C2D-C1D	-7.42	117.05	128.46
27	c	604	CLA	C4A-NA-C1A	7.38	110.02	106.71
37	j	610	KC2	CMD-C2D-C1D	-7.38	117.12	128.46
37	l	311	KC2	C2C-C1C-NC	7.37	118.62	110.57
37	g	312	KC2	CMD-C2D-C1D	-7.34	117.18	128.46
37	s	204	KC2	CHB-C1B-NB	7.34	131.20	124.45
27	B	830	CLA	C4A-NA-C1A	7.32	110.00	106.71
37	k	311	KC2	CHB-C4A-C3A	-7.31	113.55	124.98
37	e	609	KC2	C2C-C1C-NC	7.30	118.55	110.57
36	c	616	IHT	C18-C22-C23	-7.28	115.23	126.23
27	A	802	CLA	CMB-C2B-C1B	-7.27	117.28	128.46
37	d	310	KC2	C2C-C1C-NC	7.24	118.47	110.57
37	g	314	KC2	C2C-C1C-NC	7.23	118.46	110.57
37	s	204	KC2	C2C-C1C-NC	7.22	118.45	110.57
27	b	609	CLA	C4A-NA-C1A	7.22	109.95	106.71
37	g	313	KC2	CMD-C2D-C1D	-7.20	117.39	128.46
30	F	205	WVN	C40-C39-C36	-7.19	108.74	123.47
37	f	611	KC2	C1A-C2A-C3A	-7.19	101.41	107.11
37	d	309	KC2	C2C-C1C-NC	7.18	118.42	110.57
27	B	802	CLA	CAC-C3C-C4C	7.18	134.13	124.81
37	c	610	KC2	CMD-C2D-C1D	-7.18	117.43	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	c	615	II0	C42-C40-C36	-7.17	117.08	127.31
37	g	312	KC2	C2C-C1C-NC	7.17	118.39	110.57
35	l	314	II0	C41-C39-C35	-7.15	117.11	127.31
37	g	313	KC2	CHB-C4A-C3A	-7.14	113.82	124.98
30	A	848	WVN	C30-C28-C25	-7.14	117.11	127.31
35	f	616	II0	C03-C09-C13	-7.14	112.55	122.63
37	d	310	KC2	CMD-C2D-C1D	-7.14	117.50	128.46
27	F	203	CLA	C4A-NA-C1A	7.13	109.91	106.71
35	b	615	II0	C42-C40-C36	-7.13	117.14	127.31
37	i	317	KC2	CMD-C2D-C1D	-7.12	117.52	128.46
37	i	317	KC2	C1A-NA-C4A	-7.12	103.50	106.71
27	j	605	CLA	C4A-NA-C1A	7.11	109.90	106.71
37	n	611	KC2	C2C-C1C-NC	7.11	118.33	110.57
37	e	609	KC2	CHC-C4B-C3B	-7.10	113.11	125.26
35	l	302	II0	C41-C39-C35	-7.10	117.18	127.31
37	n	611	KC2	C4C-C3C-C2C	-7.10	101.48	107.11
37	n	612	KC2	C1A-C2A-C3A	-7.10	101.48	107.11
37	k	310	KC2	C2C-C1C-NC	7.09	118.31	110.57
37	k	311	KC2	CHB-C1B-NB	7.09	130.97	124.45
37	j	610	KC2	C4C-C3C-C2C	-7.09	101.49	107.11
37	m	610	KC2	C2C-C1C-NC	7.08	118.31	110.57
27	a	309	CLA	C4A-NA-C1A	7.08	109.89	106.71
37	l	311	KC2	OBD-CAD-C3D	-7.08	116.23	127.98
37	g	313	KC2	C4C-C3C-C2C	-7.08	101.50	107.11
37	k	311	KC2	CHC-C4B-C3B	-7.08	113.16	125.26
36	R	204	IHT	C30-C27-C23	-7.07	117.22	127.31
37	d	310	KC2	C1A-C2A-C3A	-7.07	101.50	107.11
37	i	317	KC2	OBD-CAD-CBD	7.06	135.98	125.89
37	k	312	KC2	C2C-C1C-NC	7.06	118.28	110.57
27	n	606	CLA	C4A-NA-C1A	7.05	109.88	106.71
27	A	819	CLA	C4A-NA-C1A	7.03	109.87	106.71
37	l	311	KC2	CHC-C4B-C3B	-7.02	113.25	125.26
37	i	310	KC2	C2C-C1C-NC	7.00	118.21	110.57
37	l	311	KC2	C4C-C3C-C2C	-6.99	101.56	107.11
37	j	610	KC2	C2C-C1C-NC	6.99	118.21	110.57
37	n	612	KC2	CMD-C2D-C1D	-6.99	117.72	128.46
37	g	312	KC2	CHC-C4B-C3B	-6.99	113.31	125.26
35	n	614	II0	C04-C10-C14	-6.98	112.77	122.63
27	f	605	CLA	C4A-NA-C1A	6.97	109.84	106.71
37	f	611	KC2	C4C-C3C-C2C	-6.95	101.59	107.11
37	g	313	KC2	CHC-C4B-C3B	-6.95	113.37	125.26
37	f	611	KC2	C2C-C1C-NC	6.95	118.16	110.57

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	g	314	KC2	C4C-C3C-C2C	-6.93	101.61	107.11
37	d	309	KC2	CHC-C4B-C3B	-6.93	113.41	125.26
37	n	611	KC2	C1A-C2A-C3A	-6.92	101.62	107.11
35	g	317	II0	C05-C07-C11	6.92	119.77	110.30
37	f	611	KC2	CMD-C2D-C3D	6.91	137.61	124.68
27	A	821	CLA	C4A-NA-C1A	6.90	109.81	106.71
37	k	310	KC2	C1A-C2A-C3A	-6.89	101.64	107.11
37	k	312	KC2	CHC-C4B-C3B	-6.89	113.47	125.26
37	g	314	KC2	CMD-C2D-C1D	-6.89	117.88	128.46
37	k	310	KC2	C4C-C3C-C2C	-6.87	101.66	107.11
35	i	314	II0	C03-C09-C13	-6.87	112.93	122.63
36	n	617	IHT	C30-C27-C23	-6.87	117.50	127.31
37	m	610	KC2	CHC-C4B-C3B	-6.86	113.53	125.26
27	A	826	CLA	C4A-NA-C1A	6.85	109.78	106.71
27	B	802	CLA	CMB-C2B-C1B	-6.84	117.95	128.46
37	c	610	KC2	C2C-C1C-NC	6.84	118.04	110.57
37	i	317	KC2	C1A-C2A-C3A	-6.84	101.68	107.11
35	c	617	II0	C19-C13-C09	-6.84	115.06	124.35
37	i	317	KC2	CHB-C1B-NB	6.83	130.73	124.45
27	B	838	CLA	C4A-NA-C1A	6.83	109.78	106.71
27	c	603	CLA	C4A-NA-C1A	6.83	109.78	106.71
37	i	310	KC2	CMD-C2D-C1D	-6.83	117.97	128.46
37	e	609	KC2	C1A-C2A-C3A	-6.83	101.69	107.11
37	j	610	KC2	CMD-C2D-C3D	6.83	137.45	124.68
37	j	610	KC2	CHC-C4B-C3B	-6.81	113.61	125.26
37	s	204	KC2	CMD-C2D-C3D	6.80	137.41	124.68
35	g	316	II0	C19-C13-C09	-6.80	115.11	124.35
37	c	610	KC2	CHC-C4B-C3B	-6.80	113.63	125.26
27	l	306	CLA	C4A-NA-C1A	6.80	109.76	106.71
37	l	311	KC2	CMD-C2D-C3D	6.80	137.40	124.68
37	l	311	KC2	CHB-C4A-C3A	-6.79	114.36	124.98
37	d	309	KC2	CMD-C2D-C1D	-6.79	118.03	128.46
30	R	201	WVN	C30-C28-C25	-6.79	117.62	127.31
27	A	831	CLA	C4A-NA-C1A	6.79	109.76	106.71
30	F	205	WVN	C40-C37-C34	-6.78	117.63	127.31
37	g	314	KC2	CHC-C4B-C3B	-6.78	113.66	125.26
37	k	311	KC2	C4C-C3C-C2C	-6.77	101.74	107.11
37	m	610	KC2	CMD-C2D-C1D	-6.76	118.07	128.46
36	b	614	IHT	C02-C07-C10	-6.76	113.09	122.61
37	g	312	KC2	CMD-C2D-C3D	6.76	137.32	124.68
27	A	829	CLA	CMB-C2B-C1B	-6.75	118.09	128.46
37	k	312	KC2	CMD-C2D-C1D	-6.75	118.10	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	B	811	CLA	C4A-NA-C1A	6.74	109.74	106.71
37	s	201	KC2	C2C-C1C-NC	6.74	117.93	110.57
37	f	611	KC2	CHC-C4B-C3B	-6.73	113.74	125.26
30	B	844	WVN	C20-C23-C25	-6.73	116.07	126.23
27	A	820	CLA	CMB-C2B-C1B	-6.73	118.12	128.46
35	c	615	II0	C41-C39-C35	-6.72	117.71	127.31
37	c	610	KC2	C1A-C2A-C3A	-6.72	101.78	107.11
27	A	824	CLA	C4A-NA-C1A	6.72	109.73	106.71
27	e	608	CLA	C4A-NA-C1A	6.72	109.73	106.71
27	A	809	CLA	C4A-NA-C1A	6.71	109.72	106.71
37	s	204	KC2	OBD-CAD-C3D	-6.70	116.85	127.98
37	k	312	KC2	C4C-C3C-C2C	-6.70	101.79	107.11
35	l	315	II0	C19-C13-C09	-6.69	115.26	124.35
27	a	311	CLA	C4A-NA-C1A	6.69	109.71	106.71
37	l	311	KC2	C1A-C2A-C3A	-6.69	101.81	107.11
37	n	611	KC2	CHC-C4B-C3B	-6.68	113.82	125.26
37	k	310	KC2	CMD-C2D-C3D	6.68	137.18	124.68
37	m	610	KC2	C1A-C2A-C3A	-6.68	101.81	107.11
37	j	610	KC2	C1A-C2A-C3A	-6.67	101.82	107.11
37	n	612	KC2	CHB-C4A-C3A	-6.67	114.56	124.98
27	K	101	CLA	C4A-NA-C1A	6.67	109.70	106.71
37	g	313	KC2	C1A-C2A-C3A	-6.67	101.82	107.11
37	s	204	KC2	CHC-C4B-C3B	-6.66	113.86	125.26
37	i	310	KC2	CHC-C4B-C3B	-6.65	113.88	125.26
30	B	843	WVN	C24-C22-C19	6.64	128.54	118.08
37	i	317	KC2	CMD-C2D-C3D	6.63	137.09	124.68
27	f	613	CLA	C4A-NA-C1A	6.63	109.69	106.71
37	g	313	KC2	CMD-C2D-C3D	6.63	137.08	124.68
37	e	609	KC2	C4C-C3C-C2C	-6.63	101.85	107.11
37	d	309	KC2	C1A-C2A-C3A	-6.63	101.85	107.11
27	A	840	CLA	C4A-NA-C1A	6.62	109.68	106.71
37	s	201	KC2	CHB-C1B-C2B	-6.62	111.60	125.48
37	k	310	KC2	CHC-C4B-C3B	-6.62	113.94	125.26
37	s	201	KC2	C4C-C3C-C2C	-6.61	101.87	107.11
37	n	611	KC2	CHB-C4A-C3A	-6.59	114.69	124.98
37	g	312	KC2	CHB-C4A-C3A	-6.58	114.69	124.98
37	i	317	KC2	C4C-C3C-C2C	-6.58	101.89	107.11
37	c	610	KC2	CMD-C2D-C3D	6.58	136.98	124.68
30	A	846	WVN	C21-C15-C13	-6.57	117.15	124.53
27	g	305	CLA	CMB-C2B-C1B	-6.57	118.37	128.46
27	f	606	CLA	C4A-NA-C1A	6.57	109.66	106.71
37	i	310	KC2	CHB-C4A-C3A	-6.57	114.72	124.98

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	g	317	II0	C42-C40-C36	-6.57	117.94	127.31
37	i	310	KC2	C4C-C3C-C2C	-6.56	101.91	107.11
37	n	612	KC2	C2C-C1C-NC	6.56	117.73	110.57
37	e	609	KC2	CMD-C2D-C1D	-6.56	118.38	128.46
35	j	615	II0	C42-C40-C36	-6.55	117.97	127.31
35	c	613	II0	C41-C39-C35	-6.54	117.97	127.31
37	s	204	KC2	C4C-C3C-C2C	-6.54	101.92	107.11
35	b	615	II0	C20-C14-C10	-6.53	115.47	124.35
37	m	610	KC2	C4C-C3C-C2C	-6.52	101.94	107.11
35	j	615	II0	C03-C09-C13	-6.51	113.44	122.63
30	L	201	WVN	C20-C23-C25	-6.51	116.40	126.23
37	g	314	KC2	CHB-C4A-C3A	-6.50	114.82	124.98
37	k	312	KC2	C1A-C2A-C3A	-6.50	101.95	107.11
27	g	308	CLA	C4A-NA-C1A	6.50	109.63	106.71
36	O	204	IHT	C40-C37-C33	-6.49	118.05	127.31
37	d	310	KC2	CHC-C4B-C3B	-6.48	114.17	125.26
37	d	309	KC2	C4C-C3C-C2C	-6.48	101.97	107.11
35	h	312	II0	C20-C14-C10	-6.48	115.55	124.35
35	g	316	II0	C20-C14-C10	-6.47	115.56	124.35
37	k	312	KC2	CHB-C4A-C3A	-6.47	114.87	124.98
37	m	610	KC2	CHB-C4A-C3A	-6.46	114.88	124.98
37	k	310	KC2	CHB-C4A-C3A	-6.44	114.92	124.98
35	e	612	II0	C19-C13-C09	-6.43	115.61	124.35
27	A	818	CLA	CMB-C2B-C1B	-6.43	118.58	128.46
30	A	846	WVN	C30-C28-C25	-6.41	118.16	127.31
37	i	310	KC2	CMD-C2D-C3D	6.40	136.66	124.68
30	L	201	WVN	C04-C09-C05	-6.39	118.72	124.85
27	B	817	CLA	C4A-NA-C1A	6.39	109.58	106.71
37	j	610	KC2	CHB-C4A-C3A	-6.39	115.00	124.98
37	f	611	KC2	CHB-C4A-C3A	-6.39	115.00	124.98
27	L	202	CLA	C4A-NA-C1A	6.39	109.58	106.71
27	m	603	CLA	C4A-NA-C1A	6.38	109.58	106.71
35	e	612	II0	C03-C09-C13	-6.38	113.62	122.63
37	d	310	KC2	CMD-C2D-C3D	6.37	136.60	124.68
27	O	206	CLA	C4A-NA-C1A	6.37	109.57	106.71
37	d	309	KC2	CHB-C4A-C3A	-6.37	115.03	124.98
37	g	314	KC2	CMD-C2D-C3D	6.36	136.58	124.68
27	m	609	CLA	C4A-NA-C1A	6.36	109.57	106.71
29	n	619	LHG	O7-C7-C8	6.36	125.21	111.50
27	R	203	CLA	CMB-C2B-C1B	-6.35	118.70	128.46
27	e	605	CLA	C4A-NA-C1A	6.35	109.56	106.71
27	i	311	CLA	CMB-C2B-C1B	-6.35	118.70	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	c	610	KC2	C4C-C3C-C2C	-6.35	102.07	107.11
27	B	824	CLA	CMB-C2B-C1B	-6.35	118.71	128.46
35	g	317	II0	C41-C39-C35	-6.35	118.25	127.31
27	A	815	CLA	C4A-NA-C1A	6.34	109.56	106.71
37	d	310	KC2	C4C-C3C-C2C	-6.34	102.08	107.11
37	g	312	KC2	C4C-C3C-C2C	-6.33	102.09	107.11
27	l	303	CLA	C4A-NA-C1A	6.33	109.55	106.71
37	k	312	KC2	CMD-C2D-C3D	6.31	136.48	124.68
37	c	610	KC2	CHB-C4A-C3A	-6.30	115.13	124.98
35	a	318	II0	C30-C32-C34	-6.30	103.55	123.22
27	A	856	CLA	CAA-C2A-C3A	-6.30	101.40	116.10
27	B	829	CLA	C4A-NA-C1A	6.30	109.54	106.71
27	a	303	CLA	CMB-C2B-C1B	-6.30	118.79	128.46
30	B	843	WVN	C04-C09-C05	-6.30	118.81	124.85
37	n	612	KC2	CMD-C2D-C3D	6.29	136.44	124.68
37	k	311	KC2	CMD-C2D-C1D	-6.29	118.80	128.46
27	A	832	CLA	C4A-NA-C1A	6.28	109.53	106.71
37	e	609	KC2	CHB-C4A-C3A	-6.28	115.18	124.98
37	d	309	KC2	CMD-C2D-C3D	6.27	136.42	124.68
27	A	826	CLA	CMB-C2B-C1B	-6.27	118.83	128.46
37	g	314	KC2	C1A-C2A-C3A	-6.26	102.15	107.11
27	B	836	CLA	CMB-C2B-C1B	-6.25	118.85	128.46
27	B	822	CLA	CMB-C2B-C1B	-6.25	118.86	128.46
27	A	842	CLA	CMB-C2B-C1B	-6.25	118.86	128.46
27	a	306	CLA	C4A-NA-C1A	6.24	109.51	106.71
27	l	307	CLA	C4A-NA-C1A	6.24	109.51	106.71
27	b	607	CLA	CAC-C3C-C4C	-6.23	116.72	124.81
35	i	314	II0	C04-C10-C14	-6.22	113.85	122.63
27	B	831	CLA	CMB-C2B-C1B	-6.22	118.91	128.46
27	k	305	CLA	C4A-NA-C1A	6.21	109.50	106.71
37	e	609	KC2	CMD-C2D-C3D	6.21	136.31	124.68
36	a	317	IHT	C30-C27-C23	-6.21	118.45	127.31
37	m	610	KC2	CMD-C2D-C3D	6.19	136.27	124.68
30	A	847	WVN	C39-C36-C32	-6.19	118.47	127.31
27	c	612	CLA	CMB-C2B-C1B	-6.18	118.96	128.46
27	O	202	CLA	C4A-NA-C1A	6.18	109.49	106.71
27	m	606	CLA	C4A-NA-C1A	6.18	109.49	106.71
35	l	302	II0	C41-C42-C40	-6.18	110.81	123.47
27	B	812	CLA	C4A-NA-C1A	6.18	109.48	106.71
27	A	834	CLA	CMB-C2B-C1B	-6.17	118.98	128.46
27	k	303	CLA	CMB-C2B-C1B	-6.17	118.98	128.46
27	b	605	CLA	C4A-NA-C1A	6.16	109.48	106.71

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	g	304	CLA	CMB-C2B-C1B	-6.16	118.99	128.46
36	j	616	IHT	C18-C22-C23	-6.16	116.93	126.23
27	k	304	CLA	C4A-NA-C1A	6.15	109.47	106.71
37	k	311	KC2	CMD-C2D-C3D	6.15	136.19	124.68
37	g	312	KC2	C1A-C2A-C3A	-6.15	102.23	107.11
27	j	602	CLA	CMB-C2B-C1B	-6.14	119.02	128.46
30	i	315	WVN	C21-C15-C13	-6.14	117.63	124.53
35	O	203	II0	C03-C09-C13	-6.13	113.97	122.63
27	i	307	CLA	CMB-C2B-C1B	-6.12	119.05	128.46
27	n	607	CLA	CMB-C2B-C1B	-6.12	119.06	128.46
27	h	303	CLA	C4A-NA-C1A	6.11	109.45	106.71
27	B	821	CLA	CMB-C2B-C1B	-6.11	119.07	128.46
27	B	803	CLA	C4A-NA-C1A	6.11	109.45	106.71
27	B	832	CLA	C4A-NA-C1A	6.11	109.45	106.71
27	g	310	CLA	CMB-C2B-C1B	-6.11	119.07	128.46
35	i	318	II0	C06-C08-C12	6.11	118.67	110.30
27	m	604	CLA	CMB-C2B-C1B	-6.11	119.08	128.46
27	b	601	CLA	C4A-NA-C1A	6.10	109.45	106.71
35	k	316	II0	C04-C10-C14	-6.09	114.03	122.63
27	A	812	CLA	CMB-C2B-C1B	-6.09	119.10	128.46
35	c	614	II0	C41-C39-C35	-6.09	118.62	127.31
27	d	305	CLA	C4A-NA-C1A	6.09	109.44	106.71
27	B	820	CLA	C4A-NA-C1A	6.08	109.44	106.71
30	h	309	WVN	C29-C26-C22	-6.07	118.64	127.31
30	A	847	WVN	C30-C28-C25	-6.06	118.66	127.31
27	e	602	CLA	C4A-NA-C1A	6.06	109.43	106.71
27	h	301	CLA	CMB-C2B-C1B	-6.06	119.16	128.46
27	A	811	CLA	C4A-NA-C1A	6.05	109.42	106.71
35	l	314	II0	C42-C40-C36	-6.05	118.68	127.31
27	m	605	CLA	C4A-NA-C1A	6.04	109.42	106.71
27	A	828	CLA	C4A-NA-C1A	6.03	109.42	106.71
30	B	845	WVN	C35-C32-C31	6.03	127.58	118.08
30	B	848	WVN	C38-C34-C33	6.03	127.58	118.08
37	k	311	KC2	C3D-CAD-CBD	-6.03	99.67	107.61
36	f	617	IHT	C19-C10-C07	-6.02	117.76	124.53
36	R	204	IHT	C40-C37-C33	-6.02	118.72	127.31
27	A	803	CLA	C4A-NA-C1A	6.01	109.41	106.71
30	B	846	WVN	C40-C37-C34	-6.01	118.74	127.31
35	f	615	II0	C20-C14-C10	-6.01	116.19	124.35
27	A	808	CLA	C4A-NA-C1A	6.00	109.40	106.71
27	B	813	CLA	CMB-C2B-C1B	-6.00	119.24	128.46
35	l	315	II0	C42-C40-C36	-6.00	118.75	127.31

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	h	304	CLA	CMB-C2B-C1B	-6.00	119.25	128.46
27	B	807	CLA	CMB-C2B-C1B	-5.99	119.26	128.46
27	b	603	CLA	C4A-NA-C1A	5.99	109.40	106.71
36	g	319	IHT	C41-C38-C35	-5.98	118.77	127.31
30	l	316	WVN	C08-C01-C07	-5.98	99.08	107.89
27	g	307	CLA	C4A-NA-C1A	5.98	109.39	106.71
37	i	310	KC2	C1A-C2A-C3A	-5.98	102.37	107.11
27	B	835	CLA	C4A-NA-C1A	5.97	109.39	106.71
30	L	201	WVN	C08-C01-C02	-5.97	100.51	109.55
27	A	838	CLA	CMB-C2B-C1B	-5.96	119.30	128.46
35	O	203	II0	C20-C14-C10	-5.95	116.27	124.35
36	k	317	IHT	C18-C22-C23	-5.95	117.25	126.23
27	m	604	CLA	C4A-NA-C1A	5.95	109.38	106.71
30	A	846	WVN	C04-C09-C05	-5.93	119.17	124.85
27	h	304	CLA	C4A-NA-C1A	5.92	109.37	106.71
27	B	802	CLA	C4A-NA-C1A	5.92	109.37	106.71
35	e	614	II0	C03-C09-C13	-5.92	114.28	122.63
27	c	602	CLA	CAC-C3C-C4C	5.92	132.49	124.81
37	s	201	KC2	C3A-C4A-NA	5.91	117.03	110.57
36	c	616	IHT	C40-C37-C33	-5.91	118.87	127.31
27	B	802	CLA	CMB-C2B-C3B	5.90	135.72	124.68
35	f	616	II0	C20-C14-C10	-5.90	116.33	124.35
27	A	805	CLA	CMB-C2B-C1B	-5.90	119.40	128.46
27	e	606	CLA	C4A-NA-C1A	5.88	109.35	106.71
35	j	614	II0	C41-C39-C35	-5.87	118.93	127.31
35	f	618	II0	C41-C39-C35	-5.87	118.93	127.31
36	g	319	IHT	C19-C10-C07	-5.86	117.94	124.53
35	d	314	II0	C04-C10-C14	-5.86	114.36	122.63
30	F	204	WVN	C20-C23-C25	-5.86	117.38	126.23
27	A	805	CLA	C4A-NA-C1A	5.85	109.34	106.71
35	c	617	II0	C42-C40-C36	-5.85	118.97	127.31
35	h	312	II0	C42-C40-C36	-5.84	118.97	127.31
35	j	614	II0	C20-C14-C10	-5.84	116.41	124.35
27	a	304	CLA	CMB-C2B-C1B	-5.84	119.49	128.46
37	n	612	KC2	CHC-C4B-C3B	-5.83	115.29	125.26
27	J	103	CLA	CMB-C2B-C1B	-5.82	119.51	128.46
27	j	611	CLA	C4A-NA-C1A	5.82	109.32	106.71
27	B	818	CLA	C4A-NA-C1A	5.81	109.32	106.71
35	h	312	II0	C41-C39-C35	-5.81	119.02	127.31
36	O	204	IHT	C41-C38-C35	-5.80	119.03	127.31
35	k	318	II0	C03-C09-C13	-5.80	114.44	122.63
27	A	841	CLA	CMB-C2B-C1B	-5.80	119.55	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	812	CLA	C4A-NA-C1A	5.79	109.31	106.71
27	A	802	CLA	CMB-C2B-C3B	5.78	135.48	124.68
27	B	840	CLA	C4A-NA-C1A	5.77	109.30	106.71
27	B	812	CLA	CMB-C2B-C1B	-5.77	119.60	128.46
27	n	602	CLA	C4A-NA-C1A	5.76	109.30	106.71
27	B	817	CLA	CMB-C2B-C1B	-5.76	119.61	128.46
27	n	603	CLA	C4A-NA-C1A	5.75	109.29	106.71
35	j	613	II0	C42-C40-C36	-5.75	119.10	127.31
27	d	307	CLA	C4A-NA-C1A	5.75	109.29	106.71
27	A	830	CLA	C4A-NA-C1A	5.74	109.29	106.71
30	A	848	WVN	C20-C23-C25	-5.73	117.57	126.23
30	L	201	WVN	C39-C36-C32	-5.73	119.13	127.31
27	F	201	CLA	C4A-NA-C1A	5.72	109.28	106.71
27	j	608	CLA	CMB-C2B-C1B	-5.72	119.67	128.46
35	l	317	II0	C42-C40-C36	-5.72	119.14	127.31
27	d	304	CLA	C4A-NA-C1A	5.72	109.28	106.71
35	e	613	II0	C04-C10-C14	-5.71	114.57	122.63
27	d	311	CLA	CMB-C2B-C1B	-5.71	119.69	128.46
35	n	618	II0	C41-C39-C35	-5.69	119.19	127.31
36	c	616	IHT	C02-C07-C10	-5.69	114.60	122.61
27	B	837	CLA	C4A-NA-C1A	5.68	109.26	106.71
35	e	614	II0	C41-C39-C35	-5.68	119.20	127.31
35	a	316	II0	C20-C14-C10	-5.68	116.63	124.35
30	A	848	WVN	C08-C01-C02	5.68	118.15	109.55
27	f	604	CLA	CMB-C2B-C1B	-5.68	119.74	128.46
27	A	815	CLA	CMB-C2B-C3B	5.68	135.30	124.68
27	i	308	CLA	CMB-C2B-C1B	-5.68	119.74	128.46
35	i	318	II0	C41-C39-C35	-5.67	119.22	127.31
27	B	823	CLA	CMB-C2B-C1B	-5.67	119.75	128.46
27	f	601	CLA	C4A-NA-C1A	5.67	109.25	106.71
27	e	611	CLA	C4A-NA-C1A	5.67	109.25	106.71
34	L	208	LMG	O7-C10-C11	5.66	123.70	111.50
30	l	316	WVN	C29-C26-C22	-5.66	119.23	127.31
37	s	201	KC2	CHC-C4B-C3B	-5.66	115.58	125.26
27	A	821	CLA	CMB-C2B-C1B	-5.66	119.77	128.46
27	A	838	CLA	C4A-NA-C1A	5.65	109.25	106.71
37	s	204	KC2	CHB-C4A-C3A	-5.65	116.15	124.98
35	g	320	II0	C41-C39-C35	-5.65	119.25	127.31
30	L	201	WVN	C40-C37-C34	-5.65	119.25	127.31
37	s	204	KC2	C4B-C3B-C2B	-5.64	102.12	106.75
27	B	810	CLA	C4A-NA-C1A	5.64	109.24	106.71
37	n	612	KC2	CHB-C1B-C2B	-5.63	113.66	125.48

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	B	848	WVN	C20-C23-C25	-5.63	117.73	126.23
27	l	309	CLA	CMB-C2B-C1B	-5.63	119.82	128.46
35	e	613	II0	C41-C39-C35	-5.63	119.28	127.31
27	b	609	CLA	CMB-C2B-C1B	-5.62	119.83	128.46
29	c	618	LHG	O7-C7-C8	5.62	123.61	111.50
35	n	616	II0	C04-C10-C14	-5.61	114.71	122.63
37	k	311	KC2	C3A-C4A-NA	5.61	116.70	110.57
27	A	834	CLA	CMB-C2B-C3B	5.60	135.16	124.68
30	F	204	WVN	C39-C40-C37	-5.60	112.00	123.47
35	g	318	II0	C41-C39-C35	-5.60	119.32	127.31
35	k	318	II0	C42-C40-C36	-5.60	119.32	127.31
29	e	617	LHG	O7-C7-C8	5.59	123.56	111.50
29	g	301	LHG	O7-C7-C8	5.59	123.55	111.50
27	B	827	CLA	C4A-NA-C1A	5.59	109.22	106.71
27	k	307	CLA	C4A-NA-C1A	5.58	109.22	106.71
35	l	313	II0	C19-C13-C09	-5.58	116.76	124.35
35	h	311	II0	C42-C40-C36	-5.57	119.35	127.31
27	B	836	CLA	CMB-C2B-C3B	5.57	135.10	124.68
27	n	609	CLA	C4A-NA-C1A	5.57	109.21	106.71
27	i	304	CLA	CMB-C2B-C1B	-5.57	119.91	128.46
35	b	612	II0	C20-C14-C10	-5.57	116.78	124.35
36	k	317	IHT	C40-C37-C33	-5.56	119.37	127.31
27	a	307	CLA	C4A-NA-C1A	5.56	109.21	106.71
27	g	311	CLA	C4A-NA-C1A	5.56	109.21	106.71
35	k	314	II0	C04-C10-C14	-5.56	114.78	122.63
35	m	614	II0	C42-C41-C39	-5.56	112.09	123.47
35	d	313	II0	C03-C09-C13	-5.56	114.79	122.63
36	a	317	IHT	C41-C38-C35	-5.54	119.40	127.31
27	A	842	CLA	C4A-NA-C1A	5.54	109.20	106.71
35	h	310	II0	C42-C40-C36	-5.54	119.40	127.31
37	i	317	KC2	CHC-C1C-NC	-5.53	115.49	124.20
27	K	102	CLA	C4A-NA-C1A	5.53	109.19	106.71
35	c	615	II0	C03-C09-C13	-5.53	114.82	122.63
35	i	313	II0	C41-C39-C35	-5.53	119.42	127.31
27	a	310	CLA	C4A-NA-C1A	5.53	109.19	106.71
27	g	305	CLA	C4A-NA-C1A	5.52	109.19	106.71
35	d	314	II0	C41-C42-C40	-5.51	112.18	123.47
27	k	302	CLA	CMB-C2B-C1B	-5.51	119.99	128.46
27	A	833	CLA	C4A-NA-C1A	5.50	109.18	106.71
27	g	303	CLA	CMB-C2B-C3B	5.50	134.97	124.68
27	j	603	CLA	CMB-C2B-C1B	-5.50	120.01	128.46
35	n	615	II0	C41-C39-C35	-5.50	119.46	127.31

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	i	302	CLA	C4A-NA-C1A	5.50	109.18	106.71
35	e	614	II0	C16-C03-C09	-5.50	101.73	110.47
27	c	602	CLA	CMB-C2B-C1B	-5.50	120.02	128.46
27	j	602	CLA	CMB-C2B-C3B	5.49	134.96	124.68
27	l	310	CLA	C4A-NA-C1A	5.49	109.18	106.71
37	n	612	KC2	C4C-C3C-C2C	-5.49	102.75	107.11
30	l	301	WVN	C30-C28-C25	-5.49	119.48	127.31
27	B	827	CLA	CMB-C2B-C1B	-5.49	120.03	128.46
27	s	203	CLA	C4A-NA-C1A	5.48	109.17	106.71
30	J	102	WVN	C39-C36-C32	-5.48	119.49	127.31
30	L	205	WVN	C29-C26-C22	-5.47	119.50	127.31
27	n	604	CLA	CMB-C2B-C1B	-5.47	120.06	128.46
30	A	847	WVN	C24-C22-C26	-5.47	115.26	122.92
35	b	612	II0	C42-C40-C36	-5.47	119.50	127.31
27	a	311	CLA	CMB-C2B-C1B	-5.47	120.06	128.46
35	c	617	II0	C04-C10-C14	-5.46	114.92	122.63
27	g	303	CLA	CMB-C2B-C1B	-5.46	120.07	128.46
27	L	206	CLA	CMB-C2B-C1B	-5.46	120.08	128.46
35	f	615	II0	C41-C39-C35	-5.46	119.52	127.31
27	b	604	CLA	CMB-C2B-C1B	-5.46	120.08	128.46
37	l	311	KC2	C3A-C4A-NA	5.45	116.53	110.57
30	e	615	WVN	C30-C28-C25	-5.45	119.53	127.31
35	e	616	II0	C05-C07-C11	5.45	117.76	110.30
35	f	616	II0	C42-C40-C36	-5.45	119.54	127.31
35	k	318	II0	C20-C14-C10	-5.44	116.95	124.35
27	B	831	CLA	CMB-C2B-C3B	5.44	134.86	124.68
27	e	602	CLA	CMB-C2B-C1B	-5.44	120.10	128.46
27	B	825	CLA	CMB-C2B-C1B	-5.44	120.11	128.46
27	g	310	CLA	CMB-C2B-C3B	5.44	134.85	124.68
35	O	203	II0	C42-C40-C36	-5.43	119.55	127.31
27	A	855	CLA	C4A-NA-C1A	5.43	109.15	106.71
27	A	830	CLA	CMB-C2B-C1B	-5.43	120.12	128.46
27	A	842	CLA	CMB-C2B-C3B	5.42	134.83	124.68
37	n	612	KC2	C3A-C4A-NA	5.42	116.49	110.57
30	h	309	WVN	C21-C15-C13	-5.42	118.44	124.53
35	e	614	II0	C20-C14-C10	-5.42	116.98	124.35
35	b	613	II0	C19-C13-C09	-5.42	116.99	124.35
30	h	309	WVN	C04-C09-C05	-5.41	119.66	124.85
27	k	309	CLA	C2D-C1D-ND	-5.40	106.12	110.10
27	a	306	CLA	CMB-C2B-C1B	-5.40	120.16	128.46
27	g	322	CLA	C4A-NA-C1A	5.40	109.13	106.71
27	e	603	CLA	CMB-C2B-C1B	-5.40	120.17	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	d	310	KC2	CHB-C4A-C3A	-5.39	116.55	124.98
27	g	306	CLA	C4A-NA-C1A	5.39	109.13	106.71
27	B	816	CLA	C4A-NA-C1A	5.39	109.13	106.71
27	i	305	CLA	CMB-C2B-C1B	-5.39	120.18	128.46
35	j	613	II0	C41-C42-C40	-5.38	112.45	123.47
27	s	206	CLA	CMB-C2B-C1B	-5.38	120.19	128.46
27	i	311	CLA	CMB-C2B-C3B	5.38	134.75	124.68
27	k	308	CLA	CMB-C2B-C1B	-5.38	120.19	128.46
27	A	827	CLA	CMB-C2B-C1B	-5.38	120.20	128.46
30	F	204	WVN	C06-C13-C15	-5.38	115.04	122.61
27	h	302	CLA	CMB-C2B-C1B	-5.37	120.20	128.46
27	B	823	CLA	C4A-NA-C1A	5.37	109.12	106.71
36	c	616	IHT	C30-C27-C23	-5.37	119.65	127.31
27	B	839	CLA	CMB-C2B-C1B	-5.37	120.21	128.46
35	c	614	II0	C42-C40-C36	-5.37	119.65	127.31
36	b	614	IHT	C19-C10-C07	-5.36	118.50	124.53
27	j	602	CLA	C4A-NA-C1A	5.36	109.12	106.71
27	n	609	CLA	CMB-C2B-C1B	-5.36	120.22	128.46
27	h	306	CLA	CMB-C2B-C1B	-5.36	120.23	128.46
27	A	825	CLA	CMB-C2B-C1B	-5.35	120.24	128.46
35	g	320	II0	C42-C40-C36	-5.35	119.68	127.31
27	A	835	CLA	C4A-NA-C1A	5.34	109.11	106.71
35	g	318	II0	C19-C13-C09	-5.34	117.09	124.35
27	A	823	CLA	C4A-NA-C1A	5.34	109.11	106.71
27	B	803	CLA	CMB-C2B-C1B	-5.34	120.26	128.46
30	l	301	WVN	C04-C09-C05	-5.34	119.73	124.85
27	c	603	CLA	CMB-C2B-C1B	-5.34	120.26	128.46
27	R	203	CLA	CMB-C2B-C3B	5.33	134.65	124.68
35	n	614	II0	C37-C35-C39	-5.33	115.46	122.92
27	m	608	CLA	CMB-C2B-C1B	-5.33	120.28	128.46
30	B	848	WVN	C04-C09-C05	-5.32	119.75	124.85
27	A	836	CLA	CMB-C2B-C1B	-5.32	120.29	128.46
27	n	602	CLA	CMB-C2B-C1B	-5.31	120.30	128.46
27	c	612	CLA	CMB-C2B-C3B	5.31	134.62	124.68
27	B	809	CLA	C4A-NA-C1A	5.31	109.09	106.71
30	A	849	WVN	C30-C28-C25	-5.31	119.74	127.31
27	B	839	CLA	C4A-NA-C1A	5.30	109.09	106.71
27	J	103	CLA	CMB-C2B-C3B	5.30	134.60	124.68
27	g	308	CLA	CMB-C2B-C1B	-5.30	120.32	128.46
37	s	201	KC2	C1B-CHB-C4A	-5.30	114.63	126.06
27	a	309	CLA	CMB-C2B-C1B	-5.29	120.33	128.46
36	O	204	IHT	C05-C08-C12	5.28	117.53	110.30

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	826	CLA	CMB-C2B-C3B	5.28	134.56	124.68
35	J	104	II0	C42-C40-C36	-5.28	119.77	127.31
37	n	611	KC2	CHC-C1C-NC	-5.28	115.89	124.20
36	j	616	IHT	C02-C07-C10	-5.28	115.18	122.61
35	e	614	II0	C42-C40-C36	-5.28	119.78	127.31
27	A	822	CLA	C4A-NA-C1A	5.27	109.08	106.71
30	B	844	WVN	C30-C28-C25	-5.26	119.80	127.31
27	A	808	CLA	CMB-C2B-C1B	-5.26	120.37	128.46
35	b	613	II0	C42-C40-C36	-5.26	119.80	127.31
37	g	313	KC2	C3A-C4A-NA	5.26	116.31	110.57
27	i	306	CLA	CMB-C2B-C1B	-5.26	120.39	128.46
27	j	609	CLA	C4A-NA-C1A	5.26	109.07	106.71
27	A	853	CLA	C4A-NA-C1A	5.25	109.07	106.71
27	g	322	CLA	CAC-C3C-C4C	5.25	131.62	124.81
35	i	313	II0	C19-C13-C09	-5.24	117.23	124.35
35	m	615	II0	C20-C14-C10	-5.24	117.23	124.35
27	B	835	CLA	CAC-C3C-C4C	5.24	131.60	124.81
27	c	608	CLA	C4A-NA-C1A	5.23	109.06	106.71
35	a	315	II0	C41-C39-C35	-5.23	119.84	127.31
37	k	311	KC2	C1B-CHB-C4A	-5.23	114.77	126.06
36	n	617	IHT	C40-C37-C33	-5.23	119.85	127.31
27	B	813	CLA	CMB-C2B-C3B	5.23	134.46	124.68
27	B	822	CLA	CMB-C2B-C3B	5.23	134.46	124.68
27	k	303	CLA	CMB-C2B-C3B	5.23	134.46	124.68
35	d	312	II0	C19-C13-C11	5.22	124.03	114.36
27	a	304	CLA	CMB-C2B-C3B	5.22	134.45	124.68
35	h	311	II0	C04-C10-C14	-5.22	115.26	122.63
27	l	308	CLA	C4A-NA-C1A	5.22	109.05	106.71
36	O	204	IHT	C02-C07-C10	-5.22	115.26	122.61
37	i	317	KC2	C4B-C3B-C2B	-5.21	102.47	106.75
36	m	616	IHT	C40-C37-C33	-5.21	119.87	127.31
27	g	304	CLA	CMB-C2B-C3B	5.21	134.43	124.68
27	b	604	CLA	C4A-NA-C1A	5.21	109.05	106.71
27	B	832	CLA	CMB-C2B-C1B	-5.21	120.46	128.46
35	m	613	II0	C20-C14-C10	-5.20	117.28	124.35
35	f	615	II0	C42-C40-C36	-5.20	119.89	127.31
30	I	101	WVN	C29-C26-C22	-5.20	119.89	127.31
29	j	617	LHG	O7-C7-C8	5.20	122.70	111.50
27	B	821	CLA	CMB-C2B-C3B	5.20	134.40	124.68
36	n	617	IHT	C41-C38-C35	-5.19	119.90	127.31
27	f	612	CLA	CMB-C2B-C1B	-5.19	120.49	128.46
35	n	616	II0	C41-C39-C35	-5.18	119.91	127.31

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	j	609	CLA	O2D-CGD-CBD	5.18	120.48	111.27
30	s	207	WVN	C30-C28-C25	-5.18	119.91	127.31
36	c	616	IHT	C09-C10-C07	-5.18	115.22	122.73
30	J	101	WVN	C30-C28-C25	-5.18	119.92	127.31
27	h	313	CLA	CMB-C2B-C1B	-5.17	120.51	128.46
30	M	101	WVN	C20-C23-C25	-5.17	118.42	126.23
36	c	620	IHT	C20-C15-C11	-5.17	117.32	124.35
27	A	820	CLA	C4A-NA-C1A	5.17	109.03	106.71
36	c	616	IHT	C41-C38-C35	-5.17	119.93	127.31
37	k	310	KC2	C3A-C4A-NA	5.17	116.21	110.57
27	A	806	CLA	C4A-NA-C1A	5.17	109.03	106.71
35	f	614	II0	C41-C39-C35	-5.17	119.94	127.31
27	B	815	CLA	C4A-NA-C1A	5.16	109.03	106.71
27	B	815	CLA	CMB-C2B-C1B	-5.16	120.53	128.46
37	s	201	KC2	C2B-C1B-NB	5.16	113.91	110.10
30	l	301	WVN	C40-C37-C34	-5.16	119.95	127.31
27	n	605	CLA	CAC-C3C-C4C	5.16	131.50	124.81
27	i	308	CLA	CMB-C2B-C3B	5.15	134.32	124.68
35	J	104	II0	C32-C34-C36	-5.15	111.95	126.42
27	A	804	CLA	CMB-C2B-C1B	-5.15	120.55	128.46
35	h	312	II0	C18-C04-C17	-5.15	92.73	108.53
27	A	812	CLA	CMB-C2B-C3B	5.14	134.29	124.68
27	b	607	CLA	C4A-NA-C1A	5.14	109.02	106.71
35	j	615	II0	C20-C14-C10	-5.14	117.37	124.35
27	i	312	CLA	CMB-C2B-C1B	-5.13	120.57	128.46
35	f	615	II0	C19-C13-C11	5.13	123.86	114.36
27	h	304	CLA	CMB-C2B-C3B	5.13	134.28	124.68
27	A	838	CLA	CMB-C2B-C3B	5.13	134.28	124.68
37	d	310	KC2	CHC-C1C-NC	-5.13	116.13	124.20
35	k	316	II0	C16-C03-C09	-5.13	102.32	110.47
27	c	601	CLA	C4A-NA-C1A	5.12	109.01	106.71
27	B	801	CLA	C4A-NA-C1A	5.12	109.01	106.71
35	b	612	II0	C41-C39-C35	-5.12	120.00	127.31
35	k	316	II0	C20-C14-C10	-5.12	117.39	124.35
27	d	303	CLA	C4A-NA-C1A	5.12	109.01	106.71
30	B	846	WVN	C21-C15-C13	-5.11	118.79	124.53
35	a	318	II0	C06-C08-C12	5.10	117.28	110.30
27	s	208	CLA	CMB-C2B-C1B	-5.09	120.63	128.46
27	A	803	CLA	CMB-C2B-C1B	-5.09	120.64	128.46
27	A	816	CLA	CMB-C2B-C1B	-5.08	120.65	128.46
27	b	608	CLA	C4A-NA-C1A	5.08	108.99	106.71
27	n	607	CLA	CMB-C2B-C3B	5.08	134.18	124.68

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	e	612	II0	C05-C07-C11	5.08	117.26	110.30
27	n	609	CLA	CMB-C2B-C3B	5.08	134.18	124.68
27	d	302	CLA	CMB-C2B-C1B	-5.08	120.66	128.46
27	l	308	CLA	CMB-C2B-C1B	-5.08	120.66	128.46
27	n	604	CLA	C4A-NA-C1A	5.08	108.99	106.71
27	d	301	CLA	CMB-C2B-C1B	-5.08	120.66	128.46
37	j	610	KC2	CHD-C4C-C3C	-5.07	107.72	126.11
30	A	847	WVN	C19-C22-C26	5.07	126.72	118.94
36	n	617	IHT	C09-C10-C07	-5.06	115.38	122.73
37	n	611	KC2	C3A-C4A-NA	5.06	116.10	110.57
37	g	314	KC2	C3A-C4A-NA	5.06	116.09	110.57
35	f	616	II0	C06-C08-C12	5.06	117.23	110.30
27	A	828	CLA	CMB-C2B-C1B	-5.06	120.69	128.46
30	B	848	WVN	C30-C28-C25	-5.05	120.10	127.31
30	F	205	WVN	C30-C33-C34	-5.05	112.23	126.42
27	A	814	CLA	C4A-NA-C1A	5.05	108.97	106.71
37	k	310	KC2	CHC-C1C-NC	-5.05	116.26	124.20
37	d	309	KC2	C3A-C4A-NA	5.04	116.08	110.57
27	k	309	CLA	O2D-CGD-O1D	-5.04	113.98	123.84
29	c	621	LHG	O7-C7-C8	5.04	122.36	111.50
27	n	610	CLA	C4A-NA-C1A	5.04	108.97	106.71
27	a	303	CLA	CMB-C2B-C3B	5.03	134.10	124.68
35	d	314	II0	C05-C07-C11	5.03	117.20	110.30
27	B	803	CLA	CMB-C2B-C3B	5.03	134.10	124.68
36	g	319	IHT	C18-C22-C23	-5.03	118.63	126.23
30	A	847	WVN	C04-C09-C05	-5.03	120.03	124.85
27	k	304	CLA	CMB-C2B-C1B	-5.03	120.73	128.46
37	k	311	KC2	C1A-C2A-C3A	-5.03	103.12	107.11
27	l	305	CLA	C4A-NA-C1A	5.03	108.97	106.71
37	m	610	KC2	C3A-C4A-NA	5.02	116.06	110.57
27	h	306	CLA	CMB-C2B-C3B	5.02	134.07	124.68
37	d	310	KC2	CHD-C4C-C3C	-5.02	107.93	126.11
30	R	202	WVN	C39-C36-C32	-5.01	120.15	127.31
30	i	315	WVN	C29-C26-C22	-5.01	120.16	127.31
37	c	610	KC2	CHC-C1C-NC	-5.01	116.31	124.20
37	f	611	KC2	CHC-C1C-NC	-5.01	116.31	124.20
27	c	606	CLA	CMB-C2B-C1B	-5.01	120.77	128.46
27	B	804	CLA	CMB-C2B-C1B	-5.01	120.77	128.46
27	c	604	CLA	CMB-C2B-C1B	-5.01	120.77	128.46
37	n	612	KC2	CHD-C4C-C3C	-5.01	107.97	126.11
27	b	603	CLA	CMB-C2B-C1B	-5.00	120.77	128.46
37	n	611	KC2	CHD-C4C-C3C	-5.00	107.98	126.11

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	b	611	CLA	C4A-NA-C1A	5.00	108.95	106.71
27	A	820	CLA	CMB-C2B-C3B	5.00	134.03	124.68
37	i	317	KC2	CHD-C4C-C3C	-4.99	108.03	126.11
27	b	602	CLA	C4A-NA-C1A	4.99	108.95	106.71
27	m	602	CLA	C4A-NA-C1A	4.99	108.95	106.71
27	a	308	CLA	C4A-NA-C1A	4.98	108.95	106.71
36	k	317	IHT	C41-C38-C35	-4.98	120.20	127.31
30	M	101	WVN	C07-C01-C02	4.98	117.09	109.55
27	j	608	CLA	CMB-C2B-C3B	4.97	133.99	124.68
37	j	610	KC2	CHC-C1C-NC	-4.97	116.37	124.20
27	i	307	CLA	CMB-C2B-C3B	4.97	133.98	124.68
35	f	616	II0	C41-C39-C35	-4.97	120.22	127.31
35	l	302	II0	C20-C14-C10	-4.97	117.60	124.35
35	e	612	II0	C42-C40-C36	-4.97	120.22	127.31
27	B	816	CLA	CMB-C2B-C3B	4.97	133.97	124.68
27	l	304	CLA	C4A-NA-C1A	4.96	108.94	106.71
37	l	311	KC2	CHC-C1C-NC	-4.96	116.40	124.20
37	k	312	KC2	C3A-C4A-NA	4.95	115.98	110.57
35	l	313	II0	C42-C40-C36	-4.95	120.24	127.31
37	m	610	KC2	CHC-C1C-NC	-4.95	116.41	124.20
27	A	824	CLA	CMB-C2B-C1B	-4.94	120.86	128.46
27	l	304	CLA	O2D-CGD-O1D	-4.94	114.17	123.84
37	f	611	KC2	CHD-C4C-C3C	-4.94	108.19	126.11
27	f	603	CLA	CMB-C2B-C1B	-4.94	120.87	128.46
27	k	302	CLA	CMB-C2B-C3B	4.94	133.92	124.68
36	f	617	IHT	C09-C10-C07	-4.94	115.56	122.73
37	g	313	KC2	C4B-CHC-C1C	-4.94	115.41	126.06
30	L	201	WVN	C07-C01-C02	4.94	117.02	109.55
37	n	612	KC2	C4B-CHC-C1C	-4.94	115.41	126.06
36	n	617	IHT	C02-C07-C10	-4.94	115.66	122.61
35	k	318	II0	C19-C13-C11	4.93	123.49	114.36
35	i	318	II0	C31-C33-C35	-4.93	112.56	126.42
35	c	615	II0	C19-C13-C09	-4.93	117.65	124.35
37	e	609	KC2	CHC-C1C-NC	-4.93	116.44	124.20
30	B	847	WVN	C30-C28-C25	-4.92	120.29	127.31
35	h	311	II0	C20-C14-C12	4.92	123.47	114.36
35	k	315	II0	C03-C09-C13	-4.92	115.69	122.63
37	s	204	KC2	O2D-CGD-CBD	4.92	120.01	111.27
37	i	310	KC2	C3A-C4A-NA	4.92	115.94	110.57
27	B	812	CLA	CMB-C2B-C3B	4.92	133.88	124.68
35	m	615	II0	C41-C39-C35	-4.92	120.30	127.31
27	m	607	CLA	CMB-C2B-C1B	-4.91	120.91	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	814	CLA	CMB-C2B-C1B	-4.91	120.91	128.46
27	F	201	CLA	CMB-C2B-C1B	-4.91	120.91	128.46
35	m	613	II0	C03-C09-C13	-4.91	115.70	122.63
36	f	617	IHT	C18-C22-C23	-4.91	118.82	126.23
27	b	610	CLA	O2D-CGD-O1D	-4.91	114.25	123.84
35	c	614	II0	C20-C14-C12	4.90	123.44	114.36
29	a	319	LHG	O7-C7-C8	4.90	122.07	111.50
37	g	312	KC2	C3A-C4A-NA	4.90	115.92	110.57
35	c	613	II0	C20-C14-C10	-4.90	117.69	124.35
27	L	202	CLA	CMB-C2B-C1B	-4.90	120.93	128.46
27	A	841	CLA	C4A-NA-C1A	4.90	108.91	106.71
37	c	610	KC2	C4B-CHC-C1C	-4.89	115.50	126.06
37	n	611	KC2	C4B-CHC-C1C	-4.89	115.51	126.06
37	l	311	KC2	CHD-C4C-C3C	-4.88	108.41	126.11
27	f	604	CLA	C4A-NA-C1A	4.88	108.90	106.71
27	h	303	CLA	CMB-C2B-C1B	-4.88	120.96	128.46
37	g	314	KC2	CHD-C4C-C3C	-4.88	108.42	126.11
27	B	824	CLA	CMB-C2B-C3B	4.88	133.81	124.68
27	s	209	CLA	C4A-NA-C1A	4.88	108.90	106.71
33	B	842	DGD	O2G-C1B-C2B	4.88	122.02	111.50
27	g	315	CLA	CMB-C2B-C1B	-4.88	120.97	128.46
27	f	609	CLA	CMB-C2B-C1B	-4.88	120.97	128.46
35	a	318	II0	C34-C36-C40	4.87	126.42	118.94
27	j	604	CLA	CMB-C2B-C1B	-4.87	120.97	128.46
27	A	827	CLA	CMB-C2B-C3B	4.87	133.79	124.68
37	i	310	KC2	CHD-C4C-C3C	-4.87	108.45	126.11
37	g	313	KC2	CHC-C1C-NC	-4.87	116.53	124.20
37	j	610	KC2	C3A-C4A-NA	4.87	115.89	110.57
27	l	307	CLA	C2A-C1A-CHA	4.87	132.37	123.86
27	A	805	CLA	CMB-C2B-C3B	4.86	133.78	124.68
27	d	311	CLA	CMB-C2B-C3B	4.86	133.78	124.68
27	s	208	CLA	C4A-NA-C1A	4.86	108.89	106.71
30	A	846	WVN	C39-C36-C32	-4.86	120.37	127.31
27	B	818	CLA	CMB-C2B-C1B	-4.86	120.99	128.46
37	e	609	KC2	CHD-C4C-C3C	-4.86	108.49	126.11
37	e	609	KC2	C3A-C4A-NA	4.86	115.88	110.57
27	a	306	CLA	CMB-C2B-C3B	4.86	133.77	124.68
27	n	602	CLA	CMB-C2B-C3B	4.86	133.77	124.68
27	B	826	CLA	C4A-NA-C1A	4.86	108.89	106.71
30	J	101	WVN	C23-C25-C28	4.86	126.39	118.94
37	k	311	KC2	C4B-CHC-C1C	-4.86	115.58	126.06
37	c	610	KC2	CHD-C4C-C3C	-4.86	108.51	126.11

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	A	849	WVN	C39-C36-C32	-4.86	120.38	127.31
35	g	316	II0	C42-C40-C36	-4.85	120.38	127.31
37	d	309	KC2	CHC-C1C-NC	-4.85	116.56	124.20
35	a	314	II0	C19-C13-C09	-4.85	117.75	124.35
27	f	604	CLA	CMB-C2B-C3B	4.85	133.76	124.68
37	g	312	KC2	CHC-C1C-NC	-4.85	116.56	124.20
37	f	611	KC2	C3A-C4A-NA	4.85	115.87	110.57
27	B	820	CLA	CMB-C2B-C1B	-4.85	121.01	128.46
27	B	809	CLA	CMB-C2B-C1B	-4.85	121.01	128.46
27	A	837	CLA	C4A-NA-C1A	4.85	108.89	106.71
30	s	205	WVN	C20-C23-C25	-4.84	118.92	126.23
30	M	101	WVN	C40-C37-C34	-4.84	120.41	127.31
27	B	836	CLA	C4A-NA-C1A	4.83	108.88	106.71
37	g	312	KC2	CHD-C4C-C3C	-4.83	108.60	126.11
37	k	312	KC2	CHC-C1C-NC	-4.83	116.60	124.20
37	i	310	KC2	CHC-C1C-NC	-4.83	116.60	124.20
37	g	314	KC2	CHC-C1C-NC	-4.83	116.60	124.20
30	s	205	WVN	C39-C36-C32	-4.83	120.42	127.31
27	A	817	CLA	CMB-C2B-C1B	-4.83	121.05	128.46
37	g	312	KC2	C4B-CHC-C1C	-4.82	115.65	126.06
35	k	314	II0	C19-C13-C09	-4.82	117.80	124.35
35	n	614	II0	C42-C41-C39	-4.82	113.60	123.47
30	R	202	WVN	C40-C37-C34	-4.82	120.43	127.31
27	b	606	CLA	C4A-NA-C1A	4.82	108.87	106.71
37	k	310	KC2	CHD-C4C-C3C	-4.82	108.65	126.11
27	j	603	CLA	C4A-NA-C1A	4.82	108.87	106.71
27	n	605	CLA	C4A-NA-C1A	4.81	108.87	106.71
35	l	317	II0	C20-C14-C10	-4.81	117.81	124.35
37	k	312	KC2	CHD-C4C-C3C	-4.81	108.68	126.11
27	e	603	CLA	CMB-C2B-C3B	4.81	133.68	124.68
27	B	840	CLA	CMB-C2B-C1B	-4.80	121.08	128.46
27	j	603	CLA	CMB-C2B-C3B	4.80	133.67	124.68
36	b	614	IHT	C41-C38-C35	-4.80	120.46	127.31
27	a	305	CLA	C4A-NA-C1A	4.80	108.86	106.71
35	c	613	II0	C19-C13-C09	-4.80	117.83	124.35
35	J	104	II0	C20-C14-C10	-4.79	117.84	124.35
37	m	610	KC2	CHD-C4C-C3C	-4.79	108.75	126.11
35	d	312	II0	C41-C39-C35	-4.79	120.47	127.31
27	B	823	CLA	CMB-C2B-C3B	4.79	133.64	124.68
27	B	822	CLA	C4A-NA-C1A	4.79	108.86	106.71
27	l	306	CLA	CMB-C2B-C1B	-4.79	121.11	128.46
30	h	309	WVN	C30-C28-C25	-4.79	120.48	127.31

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	d	314	II0	C20-C14-C10	-4.79	117.85	124.35
29	i	316	LHG	O7-C7-C8	4.78	121.81	111.50
35	j	614	II0	C19-C13-C09	-4.78	117.85	124.35
27	b	604	CLA	CMB-C2B-C3B	4.78	133.62	124.68
37	l	311	KC2	C4B-CHC-C1C	-4.78	115.75	126.06
35	l	315	II0	C19-C13-C11	4.78	123.20	114.36
27	B	827	CLA	CMB-C2B-C3B	4.78	133.61	124.68
36	m	616	IHT	C30-C27-C23	-4.78	120.50	127.31
37	d	309	KC2	CHD-C4C-C3C	-4.77	108.81	126.11
37	e	609	KC2	C4B-CHC-C1C	-4.77	115.76	126.06
35	i	314	II0	C20-C14-C10	-4.77	117.86	124.35
27	l	304	CLA	O2D-CGD-CBD	4.77	119.75	111.27
35	h	312	II0	C41-C42-C40	-4.77	113.70	123.47
37	k	311	KC2	CHC-C1C-NC	-4.77	116.69	124.20
27	l	309	CLA	CMB-C2B-C3B	4.77	133.60	124.68
27	f	602	CLA	C4A-NA-C1A	4.76	108.85	106.71
37	m	610	KC2	C4B-CHC-C1C	-4.76	115.79	126.06
37	j	610	KC2	C4B-CHC-C1C	-4.75	115.80	126.06
37	g	314	KC2	C4B-CHC-C1C	-4.75	115.80	126.06
37	i	317	KC2	CHC-C4B-C3B	-4.75	117.13	125.26
35	J	104	II0	C19-C13-C09	-4.75	117.89	124.35
35	a	316	II0	C42-C40-C36	-4.75	120.53	127.31
30	i	315	WVN	C30-C28-C25	-4.74	120.54	127.31
30	K	103	WVN	C30-C28-C25	-4.74	120.54	127.31
27	k	308	CLA	CMB-C2B-C3B	4.74	133.54	124.68
36	j	616	IHT	C09-C10-C07	-4.74	115.85	122.73
37	k	311	KC2	CHD-C4C-C3C	-4.73	108.96	126.11
27	c	609	CLA	CMB-C2B-C1B	-4.73	121.19	128.46
27	c	608	CLA	CMB-C2B-C1B	-4.73	121.19	128.46
30	F	204	WVN	C26-C29-C31	-4.73	108.47	123.22
27	J	103	CLA	C4A-NA-C1A	4.72	108.83	106.71
27	e	606	CLA	CMB-C2B-C1B	-4.72	121.21	128.46
27	A	818	CLA	CMB-C2B-C3B	4.72	133.51	124.68
27	c	607	CLA	CMB-C2B-C1B	-4.72	121.21	128.46
35	h	310	II0	C41-C39-C35	-4.71	120.58	127.31
37	k	312	KC2	C4B-CHC-C1C	-4.71	115.89	126.06
35	f	618	II0	C41-C42-C40	-4.71	113.83	123.47
27	B	817	CLA	CMB-C2B-C3B	4.71	133.48	124.68
37	i	317	KC2	C4B-CHC-C1C	-4.70	115.91	126.06
37	d	309	KC2	C4B-CHC-C1C	-4.70	115.91	126.06
27	c	611	CLA	CMB-C2B-C1B	-4.70	121.23	128.46
27	A	813	CLA	CMB-C2B-C1B	-4.70	121.24	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	808	CLA	CMB-C2B-C3B	4.70	133.47	124.68
37	f	611	KC2	C4B-CHC-C1C	-4.69	115.93	126.06
27	c	606	CLA	O2D-CGD-O1D	-4.69	114.66	123.84
35	a	314	II0	C41-C39-C35	-4.69	120.61	127.31
35	i	313	II0	C06-C08-C12	4.69	116.72	110.30
37	i	317	KC2	C2C-C1C-NC	4.69	115.69	110.57
30	s	205	WVN	C04-C09-C05	-4.69	120.35	124.85
35	n	616	II0	C03-C09-C13	-4.69	116.01	122.63
37	l	311	KC2	C1B-CHB-C4A	-4.68	115.96	126.06
27	R	203	CLA	CAA-C2A-C3A	-4.68	99.96	112.78
27	f	612	CLA	CMB-C2B-C3B	4.68	133.44	124.68
27	L	204	CLA	CMB-C2B-C1B	-4.68	121.27	128.46
35	g	320	II0	C20-C14-C10	-4.68	118.00	124.35
27	n	601	CLA	C4A-NA-C1A	4.68	108.81	106.71
27	A	841	CLA	CMB-C2B-C3B	4.67	133.42	124.68
27	L	206	CLA	CMB-C2B-C3B	4.67	133.42	124.68
27	e	604	CLA	O2D-CGD-O1D	-4.67	114.70	123.84
27	A	829	CLA	CMB-C2B-C3B	4.67	133.42	124.68
27	e	607	CLA	C4A-NA-C1A	4.67	108.81	106.71
35	d	312	II0	C04-C10-C14	-4.67	116.04	122.63
27	b	609	CLA	CMB-C2B-C3B	4.67	133.42	124.68
30	l	316	WVN	C06-C13-C15	-4.67	116.04	122.61
27	h	302	CLA	CMB-C2B-C3B	4.67	133.41	124.68
27	a	311	CLA	CMB-C2B-C3B	4.67	133.41	124.68
27	c	611	CLA	C4A-NA-C1A	4.66	108.80	106.71
27	d	306	CLA	C4A-NA-C1A	4.66	108.80	106.71
27	m	604	CLA	CMB-C2B-C3B	4.66	133.40	124.68
37	i	310	KC2	C4B-CHC-C1C	-4.66	116.00	126.06
27	A	816	CLA	CMB-C2B-C3B	4.66	133.40	124.68
37	s	201	KC2	CHD-C4C-C3C	-4.66	109.22	126.11
36	c	620	IHT	C41-C38-C35	-4.66	120.66	127.31
36	j	616	IHT	C41-C38-C35	-4.66	120.67	127.31
37	s	201	KC2	C4B-C3B-C2B	-4.65	102.93	106.75
27	d	308	CLA	CMB-C2B-C1B	-4.65	121.31	128.46
27	B	807	CLA	C4A-NA-C1A	4.65	108.80	106.71
27	i	305	CLA	CMB-C2B-C3B	4.65	133.38	124.68
37	s	201	KC2	CMD-C2D-C1D	-4.65	121.31	128.46
27	b	608	CLA	CMB-C2B-C1B	-4.65	121.32	128.46
36	f	617	IHT	C41-C38-C35	-4.65	120.68	127.31
37	m	610	KC2	CHB-C1B-C2B	-4.65	115.73	125.48
27	d	307	CLA	CMB-C2B-C1B	-4.65	121.32	128.46
27	m	611	CLA	CMB-C2B-C1B	-4.64	121.33	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	s	204	KC2	CHB-C1B-C2B	-4.64	115.74	125.48
35	j	614	II0	C42-C40-C36	-4.64	120.68	127.31
27	i	303	CLA	CMB-C2B-C1B	-4.64	121.33	128.46
27	A	830	CLA	CMB-C2B-C3B	4.64	133.36	124.68
36	R	204	IHT	C02-C07-C10	-4.64	116.08	122.61
36	f	617	IHT	C40-C37-C33	-4.64	120.69	127.31
37	g	313	KC2	CHD-C4C-C3C	-4.64	109.30	126.11
27	i	306	CLA	CMB-C2B-C3B	4.63	133.35	124.68
27	a	307	CLA	CAC-C3C-C4C	4.63	130.81	124.81
37	k	310	KC2	C4B-CHC-C1C	-4.62	116.08	126.06
35	a	314	II0	C03-C09-C13	-4.62	116.11	122.63
37	s	204	KC2	C4B-CHC-C1C	-4.61	116.11	126.06
35	l	314	II0	C20-C14-C10	-4.61	118.08	124.35
35	n	618	II0	C04-C10-C14	-4.61	116.12	122.63
35	l	315	II0	C20-C14-C10	-4.61	118.08	124.35
27	A	834	CLA	C4A-NA-C1A	4.61	108.78	106.71
27	c	603	CLA	CMB-C2B-C3B	4.61	133.30	124.68
27	B	805	CLA	CMB-C2B-C1B	-4.60	121.40	128.46
27	B	814	CLA	C4A-NA-C1A	4.60	108.77	106.71
37	k	312	KC2	CHB-C1B-C2B	-4.59	115.85	125.48
37	n	611	KC2	CHB-C1B-C2B	-4.59	115.85	125.48
27	A	821	CLA	CMB-C2B-C3B	4.59	133.27	124.68
35	a	314	II0	C42-C40-C36	-4.59	120.76	127.31
35	m	614	II0	C19-C13-C11	4.59	122.86	114.36
35	n	618	II0	C20-C14-C10	-4.59	118.12	124.35
27	m	608	CLA	CMB-C2B-C3B	4.59	133.26	124.68
27	b	602	CLA	CMB-C2B-C1B	-4.58	121.42	128.46
27	B	813	CLA	C4A-NA-C1A	4.58	108.76	106.71
27	j	601	CLA	C4A-NA-C1A	4.58	108.76	106.71
36	R	204	IHT	C18-C22-C23	-4.58	119.32	126.23
37	k	310	KC2	C1B-CHB-C4A	-4.57	116.20	126.06
27	K	102	CLA	CAA-C2A-C3A	-4.57	102.84	114.26
27	m	603	CLA	CMB-C2B-C1B	-4.57	121.44	128.46
35	f	618	II0	C03-C09-C13	-4.57	116.18	122.63
37	n	612	KC2	CHC-C1C-NC	-4.57	117.01	124.20
27	b	602	CLA	O2D-CGD-CBD	4.56	119.38	111.27
27	B	808	CLA	C4A-NA-C1A	4.56	108.76	106.71
37	k	310	KC2	CHB-C1B-C2B	-4.56	115.91	125.48
35	j	615	II0	C19-C13-C11	4.56	122.80	114.36
37	c	610	KC2	C3A-C4A-NA	4.56	115.55	110.57
27	d	302	CLA	CMB-C2B-C3B	4.56	133.21	124.68
35	c	615	II0	C04-C10-C14	-4.56	116.20	122.63

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	g	318	II0	C03-C09-C13	-4.56	116.20	122.63
27	h	302	CLA	C4A-NA-C1A	4.56	108.75	106.71
30	M	101	WVN	C39-C36-C32	-4.55	120.81	127.31
37	g	314	KC2	CHB-C1B-C2B	-4.55	115.93	125.48
27	f	603	CLA	C4A-NA-C1A	4.55	108.75	106.71
27	A	807	CLA	CMB-C2B-C1B	-4.55	121.47	128.46
27	B	804	CLA	C4A-NA-C1A	4.55	108.75	106.71
35	j	615	II0	C19-C13-C09	-4.55	118.17	124.35
27	F	202	CLA	C4A-NA-C1A	4.55	108.75	106.71
27	b	607	CLA	CAC-C3C-C2C	4.54	135.29	127.53
27	A	809	CLA	CMB-C2B-C1B	-4.54	121.49	128.46
27	B	828	CLA	C4A-NA-C1A	4.54	108.75	106.71
30	l	316	WVN	C21-C15-C13	-4.53	119.44	124.53
27	g	305	CLA	CMB-C2B-C3B	4.53	133.15	124.68
30	s	207	WVN	C39-C36-C32	-4.53	120.85	127.31
27	B	832	CLA	CMB-C2B-C3B	4.53	133.15	124.68
34	c	619	LMG	O7-C10-C11	4.53	121.25	111.50
27	b	610	CLA	C4A-NA-C1A	4.52	108.74	106.71
37	f	611	KC2	CHB-C1B-C2B	-4.52	116.00	125.48
37	g	312	KC2	CHB-C1B-C2B	-4.52	116.00	125.48
29	i	316	LHG	C5-O7-C7	-4.52	106.66	117.79
27	k	301	CLA	C4A-NA-C1A	4.52	108.74	106.71
27	e	602	CLA	CMB-C2B-C3B	4.51	133.12	124.68
37	i	310	KC2	CHB-C1B-C2B	-4.51	116.01	125.48
29	d	315	LHG	O7-C7-C8	4.51	121.22	111.50
27	d	301	CLA	CMB-C2B-C3B	4.51	133.12	124.68
27	k	301	CLA	CMB-C2B-C1B	-4.51	121.53	128.46
37	c	610	KC2	CHB-C1B-C2B	-4.51	116.03	125.48
37	g	313	KC2	CHB-C1B-C2B	-4.51	116.03	125.48
30	e	615	WVN	C40-C37-C34	-4.50	120.88	127.31
29	g	321	LHG	O7-C7-C8	4.50	121.21	111.50
35	g	316	II0	C31-C33-C35	-4.50	113.77	126.42
37	d	309	KC2	CHB-C1B-C2B	-4.50	116.04	125.48
30	B	845	WVN	C04-C09-C05	-4.50	120.54	124.85
30	B	844	WVN	C04-C09-C05	-4.50	120.54	124.85
30	h	309	WVN	C30-C33-C34	-4.50	113.79	126.42
30	M	101	WVN	C29-C26-C22	-4.49	120.90	127.31
30	B	846	WVN	C30-C28-C25	4.49	133.72	127.31
27	i	312	CLA	CMB-C2B-C3B	4.49	133.08	124.68
30	B	844	WVN	C40-C37-C34	-4.49	120.90	127.31
35	n	615	II0	C20-C14-C10	-4.49	118.25	124.35
27	s	206	CLA	C4A-NA-C1A	4.49	108.72	106.71

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	g	314	KC2	C1B-CHB-C4A	-4.48	116.38	126.06
27	B	831	CLA	C4A-NA-C1A	4.48	108.72	106.71
27	f	608	CLA	C4A-NA-C1A	4.48	108.72	106.71
36	b	614	IHT	C34-C35-C38	4.48	125.82	118.94
27	j	604	CLA	C4A-NA-C1A	4.48	108.72	106.71
27	i	304	CLA	CMB-C2B-C3B	4.48	133.06	124.68
27	B	829	CLA	CMB-C2B-C1B	-4.48	121.58	128.46
37	j	610	KC2	CHB-C1B-C2B	-4.48	116.09	125.48
27	h	305	CLA	CMB-C2B-C1B	-4.48	121.58	128.46
27	A	852	CLA	C4A-NA-C1A	4.48	108.72	106.71
27	L	206	CLA	C4A-NA-C1A	4.48	108.72	106.71
27	B	828	CLA	O2D-CGD-CBD	4.48	119.22	111.27
27	c	602	CLA	CMB-C2B-C3B	4.47	133.05	124.68
30	e	615	WVN	C04-C09-C05	-4.47	120.56	124.85
27	A	839	CLA	C4A-NA-C1A	4.47	108.72	106.71
35	d	313	II0	C20-C14-C10	-4.47	118.27	124.35
27	h	301	CLA	C4A-NA-C1A	4.47	108.72	106.71
35	i	313	II0	C42-C40-C36	-4.47	120.93	127.31
29	l	318	LHG	O7-C7-C8	4.47	121.13	111.50
35	e	613	II0	C42-C40-C36	-4.47	120.93	127.31
37	l	311	KC2	CHB-C1B-C2B	-4.47	116.11	125.48
27	B	849	CLA	C4A-NA-C1A	4.46	108.71	106.71
35	b	613	II0	C42-C41-C39	-4.46	114.34	123.47
27	s	203	CLA	O2D-CGD-O1D	-4.46	115.12	123.84
27	l	305	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
37	e	609	KC2	C4B-C3B-C2B	-4.46	103.09	106.75
29	A	845	LHG	O8-C23-C24	4.46	123.07	111.38
35	a	315	II0	C19-C13-C11	4.46	122.61	114.36
27	s	202	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
35	k	316	II0	C03-C09-C13	-4.45	116.34	122.63
27	B	825	CLA	CMB-C2B-C3B	4.45	133.01	124.68
27	A	801	CLA	C4A-NA-C1A	4.45	108.71	106.71
27	m	601	CLA	C4A-NA-C1A	4.45	108.71	106.71
27	a	303	CLA	C4A-NA-C1A	4.44	108.70	106.71
36	j	616	IHT	C19-C10-C09	4.44	122.14	113.62
35	b	612	II0	C19-C13-C11	4.44	122.58	114.36
35	j	614	II0	O02-C08-C06	-4.44	100.99	109.80
36	j	616	IHT	C30-C27-C23	-4.43	120.98	127.31
27	d	311	CLA	C4A-NA-C1A	4.43	108.70	106.71
27	i	309	CLA	CMB-C2B-C1B	-4.43	121.66	128.46
35	n	616	II0	C42-C40-C36	-4.43	120.99	127.31
27	A	827	CLA	C4A-NA-C1A	4.43	108.70	106.71

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
36	b	614	IHT	C39-C35-C38	-4.42	116.73	122.92
27	h	301	CLA	CMB-C2B-C3B	4.42	132.95	124.68
30	A	847	WVN	C26-C29-C31	-4.42	109.43	123.22
35	n	614	II0	C19-C13-C09	-4.42	118.35	124.35
27	n	605	CLA	CMB-C2B-C1B	-4.41	121.68	128.46
37	d	310	KC2	C1B-CHB-C4A	-4.41	116.53	126.06
35	d	312	II0	C42-C40-C36	-4.41	121.01	127.31
35	f	618	II0	C06-C04-C10	4.41	118.56	109.62
36	c	616	IHT	C03-C05-C08	-4.41	103.69	113.64
30	L	201	WVN	C29-C26-C22	-4.41	121.02	127.31
37	n	612	KC2	C4B-C3B-C2B	-4.41	103.13	106.75
36	c	620	IHT	C18-C22-C23	-4.41	119.58	126.23
37	s	201	KC2	C4B-CHC-C1C	-4.40	116.56	126.06
37	j	610	KC2	C1B-CHB-C4A	-4.40	116.56	126.06
35	k	316	II0	C05-C03-C09	4.40	118.54	109.62
30	R	202	WVN	C20-C23-C25	-4.40	119.59	126.23
36	j	616	IHT	C40-C37-C33	-4.40	121.03	127.31
27	a	309	CLA	CMB-C2B-C3B	4.40	132.90	124.68
37	d	309	KC2	C1B-CHB-C4A	-4.39	116.58	126.06
27	h	313	CLA	C4A-NA-C1A	4.39	108.68	106.71
27	k	304	CLA	CMB-C2B-C3B	4.39	132.89	124.68
35	a	318	II0	C32-C34-C36	4.39	138.74	126.42
35	d	312	II0	C03-C09-C13	-4.38	116.44	122.63
35	i	318	II0	C19-C13-C09	-4.38	118.39	124.35
27	B	840	CLA	CMB-C2B-C3B	4.38	132.88	124.68
37	e	609	KC2	CHB-C1B-C2B	-4.38	116.29	125.48
37	n	611	KC2	C1B-CHB-C4A	-4.38	116.61	126.06
37	m	610	KC2	C1B-CHB-C4A	-4.38	116.61	126.06
30	J	102	WVN	C40-C37-C34	-4.38	121.06	127.31
27	c	608	CLA	CMB-C2B-C3B	4.37	132.86	124.68
29	A	844	LHG	O7-C7-C8	4.37	120.92	111.50
30	B	845	WVN	C19-C22-C26	-4.37	112.23	118.94
27	s	206	CLA	CMB-C2B-C3B	4.37	132.85	124.68
37	s	204	KC2	CHD-C4C-C3C	-4.36	110.29	126.11
35	b	613	II0	C20-C14-C12	4.36	122.44	114.36
27	A	836	CLA	CMB-C2B-C3B	4.36	132.84	124.68
27	d	305	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
27	l	306	CLA	CMB-C2B-C3B	4.36	132.83	124.68
27	B	811	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
27	g	315	CLA	CMB-C2B-C3B	4.36	132.83	124.68
30	s	205	WVN	C21-C15-C13	-4.36	119.64	124.53
27	i	311	CLA	CED-O2D-CGD	4.36	125.79	115.94

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	L	204	CLA	C4A-NA-C1A	4.36	108.66	106.71
30	l	301	WVN	C39-C36-C32	-4.35	121.10	127.31
27	A	817	CLA	C4A-NA-C1A	4.35	108.66	106.71
37	s	201	KC2	CHC-C1C-NC	-4.35	117.35	124.20
35	j	613	II0	C19-C13-C09	-4.35	118.44	124.35
37	g	313	KC2	C1B-CHB-C4A	-4.35	116.68	126.06
27	m	607	CLA	C4A-NA-C1A	4.35	108.66	106.71
27	A	825	CLA	CMB-C2B-C3B	4.35	132.81	124.68
27	A	804	CLA	CMB-C2B-C3B	4.34	132.81	124.68
37	d	310	KC2	C4B-CHC-C1C	-4.34	116.69	126.06
30	J	102	WVN	C04-C09-C05	-4.34	120.69	124.85
27	g	322	CLA	CMB-C2B-C1B	-4.34	121.79	128.46
37	s	201	KC2	O2D-CGD-CBD	4.34	118.98	111.27
27	h	313	CLA	CMB-C2B-C3B	4.34	132.80	124.68
35	k	315	II0	C20-C14-C12	4.34	122.39	114.36
27	j	611	CLA	CMB-C2B-C1B	-4.33	121.80	128.46
30	A	847	WVN	C29-C26-C22	4.33	133.49	127.31
27	j	607	CLA	C4A-NA-C1A	4.33	108.65	106.71
37	e	609	KC2	C1B-CHB-C4A	-4.32	116.74	126.06
30	B	847	WVN	C39-C36-C32	-4.32	121.14	127.31
30	M	101	WVN	C30-C28-C25	-4.32	121.14	127.31
28	B	841	PQN	C11-C12-C13	-4.32	119.60	126.79
30	l	316	WVN	C39-C36-C32	-4.32	121.15	127.31
30	l	301	WVN	C23-C20-C13	-4.32	115.08	127.20
35	c	614	II0	C20-C14-C10	-4.32	118.48	124.35
30	I	101	WVN	C06-C13-C15	-4.32	116.53	122.61
30	B	844	WVN	C26-C29-C31	-4.31	109.77	123.22
37	k	312	KC2	C1B-CHB-C4A	-4.31	116.76	126.06
37	g	312	KC2	C1B-CHB-C4A	-4.31	116.76	126.06
35	i	318	II0	C05-C07-C11	4.31	116.20	110.30
34	c	619	LMG	C7-O1-C1	-4.31	105.33	113.74
35	f	615	II0	C19-C13-C09	-4.31	118.50	124.35
35	l	315	II0	C04-C10-C14	-4.30	116.56	122.63
27	A	840	CLA	CMB-C2B-C1B	-4.30	121.85	128.46
27	A	832	CLA	CMB-C2B-C1B	-4.30	121.85	128.46
27	A	803	CLA	CMB-C2B-C3B	4.30	132.72	124.68
37	f	611	KC2	C1B-CHB-C4A	-4.30	116.79	126.06
30	e	615	WVN	C07-C01-C02	4.30	116.05	109.55
27	c	606	CLA	C4A-NA-C1A	4.30	108.64	106.71
37	d	310	KC2	C3A-C4A-NA	4.29	115.26	110.57
27	B	825	CLA	C4A-NA-C1A	4.29	108.64	106.71
37	g	312	KC2	C4B-C3B-C2B	-4.29	103.23	106.75

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	855	CLA	C4-C3-C2	-4.29	112.67	123.68
27	g	308	CLA	CMB-C2B-C3B	4.29	132.70	124.68
35	b	615	II0	C19-C13-C09	-4.29	118.52	124.35
34	F	206	LMG	O7-C10-C11	4.29	120.74	111.50
37	g	313	KC2	C4B-C3B-C2B	-4.29	103.23	106.75
30	l	316	WVN	C07-C01-C02	4.29	116.04	109.55
27	e	610	CLA	CMB-C2B-C1B	-4.28	121.88	128.46
27	d	301	CLA	C4A-NA-C1A	4.28	108.63	106.71
27	n	613	CLA	CMB-C2B-C1B	-4.28	121.88	128.46
27	i	304	CLA	C4A-NA-C1A	4.28	108.63	106.71
37	s	201	KC2	C2A-C3A-C4A	-4.28	103.31	106.49
37	i	310	KC2	C1B-CHB-C4A	-4.28	116.83	126.06
27	m	612	CLA	CMB-C2B-C1B	-4.28	121.89	128.46
27	f	609	CLA	CMB-C2B-C3B	4.27	132.67	124.68
27	L	203	CLA	C4A-NA-C1A	4.27	108.63	106.71
30	J	102	WVN	C16-C05-C09	-4.27	107.14	122.33
27	e	604	CLA	CMB-C2B-C1B	-4.27	121.91	128.46
27	A	837	CLA	CMB-C2B-C1B	-4.27	121.91	128.46
35	i	314	II0	C05-C03-C09	4.26	118.26	109.62
37	m	610	KC2	C4B-C3B-C2B	-4.26	103.25	106.75
27	l	308	CLA	CMB-C2B-C3B	4.26	132.64	124.68
30	F	204	WVN	C21-C15-C13	-4.26	119.75	124.53
27	f	607	CLA	C4-C3-C5	4.26	122.43	115.27
27	A	839	CLA	CMB-C2B-C1B	-4.26	121.92	128.46
37	n	612	KC2	C1B-CHB-C4A	-4.26	116.88	126.06
35	b	615	II0	C03-C09-C13	-4.26	116.62	122.63
27	A	828	CLA	CMB-C2B-C3B	4.26	132.64	124.68
35	i	313	II0	C20-C14-C10	-4.25	118.57	124.35
27	f	608	CLA	CMB-C2B-C1B	-4.25	121.93	128.46
37	k	312	KC2	C4B-C3B-C2B	-4.25	103.26	106.75
27	A	855	CLA	O2D-CGD-CBD	4.25	118.82	111.27
27	k	306	CLA	CMB-C2B-C1B	-4.25	121.94	128.46
27	B	839	CLA	CMB-C2B-C3B	4.24	132.62	124.68
37	d	309	KC2	C4B-C3B-C2B	-4.24	103.27	106.75
27	h	307	CLA	C4A-NA-C1A	4.23	108.61	106.71
27	j	604	CLA	CMB-C2B-C3B	4.23	132.59	124.68
30	B	845	WVN	C40-C37-C34	-4.23	121.27	127.31
36	c	620	IHT	C41-C40-C37	-4.23	114.81	123.47
27	j	607	CLA	CMB-C2B-C1B	-4.22	121.97	128.46
35	l	302	II0	C42-C40-C36	-4.22	121.28	127.31
30	B	848	WVN	C39-C36-C32	-4.22	121.29	127.31
27	B	803	CLA	CHB-C4A-NA	4.22	130.34	124.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	a	314	II0	C41-C42-C40	-4.22	114.83	123.47
37	k	311	KC2	CHB-C1B-C2B	-4.22	116.63	125.48
27	B	805	CLA	CMB-C2B-C3B	4.21	132.56	124.68
27	K	101	CLA	C1-C2-C3	-4.21	118.75	126.04
35	n	615	II0	C42-C40-C36	-4.21	121.30	127.31
30	R	202	WVN	C06-C13-C15	-4.21	116.68	122.61
30	B	845	WVN	C30-C33-C34	-4.21	114.59	126.42
27	c	605	CLA	C4A-NA-C1A	4.21	108.60	106.71
35	k	314	II0	C42-C40-C36	-4.21	121.30	127.31
27	B	834	CLA	CMB-C2B-C1B	-4.21	122.00	128.46
37	c	610	KC2	C4B-C3B-C2B	-4.21	103.30	106.75
30	B	845	WVN	C40-C39-C36	-4.20	114.86	123.47
30	s	205	WVN	C06-C13-C15	-4.20	116.69	122.61
27	k	313	CLA	CMB-C2B-C1B	-4.20	122.00	128.46
30	M	101	WVN	C01-C02-C11	-4.20	107.39	112.70
30	s	205	WVN	C39-C40-C37	-4.19	114.88	123.47
30	e	615	WVN	C39-C36-C32	-4.19	121.33	127.31
27	m	602	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
27	B	806	CLA	C4A-NA-C1A	4.19	108.59	106.71
27	e	610	CLA	C4A-NA-C1A	4.19	108.59	106.71
27	i	306	CLA	C4A-NA-C1A	4.19	108.59	106.71
35	g	317	II0	C19-C13-C11	4.19	122.11	114.36
35	k	316	II0	C41-C39-C35	-4.19	121.33	127.31
27	b	602	CLA	CMB-C2B-C3B	4.18	132.51	124.68
27	b	603	CLA	CMB-C2B-C3B	4.18	132.50	124.68
34	b	619	LMG	O7-C10-C11	4.18	120.51	111.50
35	c	614	II0	C18-C04-C10	-4.18	103.83	110.47
35	i	314	II0	C19-C13-C09	-4.18	118.67	124.35
35	g	317	II0	C20-C14-C10	-4.18	118.67	124.35
27	s	208	CLA	CMB-C2B-C3B	4.17	132.49	124.68
35	O	203	II0	C41-C39-C35	-4.17	121.36	127.31
36	c	620	IHT	C40-C37-C33	-4.17	121.36	127.31
27	B	804	CLA	CMB-C2B-C3B	4.17	132.48	124.68
35	m	613	II0	C19-C13-C09	-4.17	118.68	124.35
27	g	315	CLA	C1B-CHB-C4A	-4.17	121.86	130.12
36	a	317	IHT	C41-C40-C37	-4.17	114.94	123.47
35	n	616	II0	C20-C14-C10	-4.16	118.69	124.35
27	h	305	CLA	C4A-NA-C1A	4.16	108.58	106.71
27	c	609	CLA	CMB-C2B-C3B	4.16	132.47	124.68
27	f	609	CLA	C4A-NA-C1A	4.16	108.58	106.71
27	d	308	CLA	CMB-C2B-C3B	4.16	132.46	124.68
27	n	605	CLA	CBC-CAC-C3C	4.16	123.89	112.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	d	301	CLA	C1-C2-C3	-4.16	120.03	126.75
27	i	303	CLA	CMB-C2B-C3B	4.16	132.46	124.68
37	c	610	KC2	C1B-CHB-C4A	-4.16	117.09	126.06
35	m	614	II0	C19-C13-C09	-4.15	118.70	124.35
37	s	204	KC2	CHC-C1C-NC	-4.15	117.67	124.20
35	l	314	II0	C19-C13-C09	-4.15	118.71	124.35
35	a	318	II0	C31-C33-C35	-4.15	114.77	126.42
35	h	312	II0	C17-C04-C10	4.15	117.05	110.47
30	F	204	WVN	C28-C30-C33	-4.14	110.29	123.22
35	l	317	II0	C04-C10-C14	-4.14	116.78	122.63
35	h	311	II0	C42-C41-C39	-4.14	114.99	123.47
35	c	613	II0	C42-C40-C36	-4.14	121.40	127.31
35	e	612	II0	C41-C39-C35	-4.14	121.41	127.31
27	m	607	CLA	CMB-C2B-C3B	4.14	132.42	124.68
35	e	616	II0	C19-C13-C11	4.14	122.02	114.36
35	i	314	II0	C19-C13-C11	4.13	122.01	114.36
28	A	843	PQN	C11-C12-C13	-4.13	119.91	126.79
35	g	316	II0	C19-C13-C11	4.13	122.01	114.36
37	s	201	KC2	CMD-C2D-C3D	4.13	132.40	124.68
35	k	315	II0	C19-C13-C11	4.13	122.00	114.36
30	A	848	WVN	C39-C36-C32	-4.13	121.42	127.31
27	i	309	CLA	C2D-C1D-ND	-4.13	107.06	110.10
37	j	610	KC2	C4B-C3B-C2B	-4.13	103.36	106.75
27	c	607	CLA	CMB-C2B-C3B	4.12	132.39	124.68
30	L	205	WVN	C40-C37-C34	-4.12	121.43	127.31
27	j	609	CLA	O2D-CGD-O1D	-4.12	115.79	123.84
30	J	101	WVN	C40-C37-C34	-4.12	121.43	127.31
30	s	207	WVN	C40-C37-C34	-4.12	121.43	127.31
35	O	203	II0	C17-C04-C10	-4.12	103.93	110.47
27	n	605	CLA	CMB-C2B-C3B	4.11	132.38	124.68
35	a	316	II0	C19-C13-C09	-4.11	118.76	124.35
37	l	311	KC2	C4B-C3B-C2B	-4.11	103.38	106.75
30	B	848	WVN	C38-C34-C37	-4.11	117.17	122.92
35	h	310	II0	C42-C41-C39	-4.11	115.06	123.47
27	c	608	CLA	CED-O2D-CGD	4.11	125.23	115.94
30	A	846	WVN	C20-C23-C25	-4.11	120.03	126.23
27	f	603	CLA	CMB-C2B-C3B	4.11	132.36	124.68
37	l	311	KC2	O2D-CGD-CBD	4.11	118.56	111.27
35	d	314	II0	C42-C40-C36	-4.10	121.45	127.31
35	a	316	II0	C42-C41-C39	-4.10	115.07	123.47
27	F	201	CLA	CMB-C2B-C3B	4.10	132.36	124.68
27	A	837	CLA	CMB-C2B-C3B	4.10	132.35	124.68

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	k	309	CLA	C4A-NA-C1A	4.10	108.55	106.71
35	O	203	II0	C19-C13-C11	4.10	121.95	114.36
27	l	312	CLA	CMB-C2B-C1B	-4.10	122.16	128.46
30	K	103	WVN	C14-C15-C13	-4.10	116.78	122.73
35	i	313	II0	C03-C09-C13	-4.10	116.85	122.63
35	l	314	II0	C19-C13-C11	4.10	121.95	114.36
36	O	204	IHT	C30-C27-C23	-4.10	121.46	127.31
37	c	610	KC2	O2D-CGD-CBD	4.09	118.54	111.27
35	a	318	II0	C38-C36-C40	-4.09	117.19	122.92
29	b	618	LHG	O7-C7-C8	4.09	120.32	111.50
30	A	848	WVN	C29-C26-C22	-4.09	121.47	127.31
27	g	309	CLA	CHB-C4A-NA	4.09	130.16	124.51
27	j	612	CLA	CMB-C2B-C1B	-4.09	122.18	128.46
27	s	209	CLA	CMB-C2B-C1B	-4.09	122.19	128.46
27	A	818	CLA	CMC-C2C-C1C	-4.08	118.82	125.04
27	i	308	CLA	C4A-NA-C1A	4.08	108.54	106.71
27	B	815	CLA	CMB-C2B-C3B	4.07	132.30	124.68
27	n	601	CLA	CMB-C2B-C1B	-4.07	122.20	128.46
35	b	615	II0	C41-C39-C35	-4.07	121.50	127.31
27	B	814	CLA	CMB-C2B-C1B	-4.07	122.21	128.46
37	f	611	KC2	C4B-C3B-C2B	-4.07	103.41	106.75
27	h	305	CLA	CMB-C2B-C3B	4.07	132.29	124.68
27	g	304	CLA	C4A-NA-C1A	4.07	108.53	106.71
35	b	615	II0	C06-C04-C10	4.07	117.86	109.62
36	g	319	IHT	C40-C37-C33	-4.07	121.51	127.31
35	h	310	II0	C19-C13-C09	-4.07	118.83	124.35
35	n	618	II0	C06-C08-C12	4.06	115.87	110.30
30	s	205	WVN	C30-C28-C25	-4.06	121.52	127.31
37	i	310	KC2	C4B-C3B-C2B	-4.05	103.42	106.75
27	d	308	CLA	C4A-NA-C1A	4.05	108.53	106.71
35	g	317	II0	C19-C13-C09	-4.05	118.84	124.35
27	A	805	CLA	CAA-C2A-C3A	-4.05	101.69	112.78
27	A	852	CLA	CMB-C2B-C1B	-4.05	122.24	128.46
35	c	613	II0	C19-C13-C11	4.05	121.85	114.36
27	A	833	CLA	CMB-C2B-C1B	-4.04	122.25	128.46
36	m	616	IHT	C18-C22-C23	-4.04	120.12	126.23
35	g	318	II0	C42-C40-C36	-4.04	121.54	127.31
35	e	613	II0	C20-C14-C10	-4.04	118.86	124.35
27	A	813	CLA	CMB-C2B-C3B	4.04	132.23	124.68
30	O	201	WVN	C20-C23-C25	-4.04	120.13	126.23
37	g	314	KC2	C4B-C3B-C2B	-4.04	103.44	106.75
35	f	618	II0	C20-C14-C12	4.04	121.83	114.36

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	a	305	CLA	CMB-C2B-C1B	-4.03	122.26	128.46
30	h	309	WVN	C20-C23-C25	-4.03	120.14	126.23
27	a	304	CLA	C4A-NA-C1A	4.03	108.52	106.71
30	i	315	WVN	C39-C36-C32	-4.03	121.56	127.31
27	n	610	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
27	e	606	CLA	CMB-C2B-C3B	4.03	132.22	124.68
30	F	204	WVN	C29-C26-C22	-4.03	121.56	127.31
37	n	611	KC2	C4B-C3B-C2B	-4.03	103.44	106.75
27	B	802	CLA	CAC-C3C-C2C	-4.03	120.64	127.53
36	g	319	IHT	C41-C40-C37	-4.03	115.23	123.47
27	A	814	CLA	CMB-C2B-C3B	4.02	132.20	124.68
35	g	318	II0	C20-C14-C12	4.02	121.81	114.36
35	b	612	II0	C20-C14-C12	4.02	121.81	114.36
37	d	310	KC2	C4B-C3B-C2B	-4.02	103.45	106.75
27	c	602	CLA	C4A-NA-C1A	4.02	108.51	106.71
35	f	616	II0	C04-C10-C14	-4.02	116.96	122.63
27	A	806	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
27	A	824	CLA	CMB-C2B-C3B	4.01	132.18	124.68
27	g	311	CLA	O2D-CGD-O1D	-4.01	116.00	123.84
36	c	620	IHT	C19-C10-C09	4.01	121.31	113.62
34	L	208	LMG	C3-C4-C5	4.01	117.39	110.24
35	g	316	II0	C06-C08-C12	4.01	115.79	110.30
37	s	204	KC2	C2B-C1B-NB	4.01	113.06	110.10
27	e	611	CLA	CMB-C2B-C1B	-4.01	122.31	128.46
27	B	820	CLA	CMB-C2B-C3B	4.00	132.17	124.68
36	c	616	IHT	C19-C10-C07	-4.00	120.03	124.53
30	O	201	WVN	C40-C37-C34	-4.00	121.60	127.31
35	m	615	II0	C42-C40-C36	-4.00	121.61	127.31
31	A	851	LMT	C3'-C4'-C5'	-4.00	101.76	110.93
27	b	607	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
35	h	310	II0	C19-C13-C11	4.00	121.76	114.36
27	A	837	CLA	CAC-C3C-C4C	3.99	129.99	124.81
27	n	603	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
27	b	601	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
27	A	829	CLA	C4A-NA-C1A	3.99	108.50	106.71
27	m	611	CLA	CMB-C2B-C3B	3.98	132.13	124.68
30	A	849	WVN	C30-C33-C34	-3.98	115.23	126.42
30	J	101	WVN	C27-C25-C23	-3.98	111.81	118.08
37	d	310	KC2	CHB-C1B-C2B	-3.98	117.14	125.48
30	i	315	WVN	C40-C37-C34	-3.97	121.64	127.31
35	a	314	II0	C19-C13-C11	3.97	121.72	114.36
35	n	615	II0	C20-C14-C12	3.97	121.72	114.36

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	g	318	II0	C20-C14-C10	-3.97	118.95	124.35
37	n	612	KC2	C2B-C1B-NB	3.97	113.03	110.10
27	g	307	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
27	d	306	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
30	A	849	WVN	C29-C26-C22	-3.97	121.65	127.31
30	L	201	WVN	C30-C28-C25	-3.97	121.65	127.31
27	n	604	CLA	CMB-C2B-C3B	3.96	132.09	124.68
35	e	612	II0	C19-C13-C11	3.96	121.70	114.36
27	a	311	CLA	O2A-CGA-O1A	-3.96	113.60	123.59
35	l	313	II0	C03-C09-C13	-3.96	117.05	122.63
30	l	316	WVN	C30-C28-C25	-3.96	121.66	127.31
27	B	807	CLA	CMB-C2B-C3B	3.96	132.08	124.68
27	J	105	CLA	CHB-C4A-NA	3.95	129.97	124.51
27	s	203	CLA	CMB-C2B-C1B	-3.95	122.40	128.46
27	m	603	CLA	CMB-C2B-C3B	3.94	132.06	124.68
36	f	617	IHT	C03-C11-C15	-3.94	117.07	122.63
36	R	204	IHT	C41-C38-C35	-3.94	121.69	127.31
36	g	319	IHT	C30-C27-C23	-3.94	121.69	127.31
35	l	317	II0	C19-C13-C09	-3.94	119.00	124.35
27	s	208	CLA	CHB-C4A-NA	3.94	129.96	124.51
30	A	846	WVN	C23-C25-C28	3.94	124.98	118.94
35	d	312	II0	C06-C08-C12	3.93	115.69	110.30
27	s	202	CLA	CAA-CBA-CGA	-3.93	101.76	113.25
37	s	201	KC2	CHB-C4A-NA	3.93	130.40	124.20
27	B	817	CLA	CAA-CBA-CGA	-3.93	101.76	113.25
27	i	303	CLA	C4A-NA-C1A	3.93	108.47	106.71
35	j	613	II0	C20-C14-C12	3.93	121.63	114.36
27	B	829	CLA	CMB-C2B-C3B	3.93	132.03	124.68
27	m	604	CLA	CHB-C4A-NA	3.93	129.94	124.51
27	d	311	CLA	C1B-CHB-C4A	-3.93	122.34	130.12
30	R	202	WVN	C18-C06-C13	3.92	116.66	110.30
35	c	617	II0	C32-C34-C36	-3.92	115.41	126.42
29	L	207	LHG	O7-C7-C8	3.92	119.94	111.50
27	l	310	CLA	CMB-C2B-C1B	-3.92	122.45	128.46
27	j	606	CLA	C1B-CHB-C4A	-3.91	122.36	130.12
35	f	618	II0	C05-C07-C11	3.91	115.66	110.30
27	m	612	CLA	CMC-C2C-C1C	-3.91	119.08	125.04
35	k	315	II0	C05-C07-C11	3.91	115.65	110.30
27	A	809	CLA	CMB-C2B-C3B	3.90	131.98	124.68
30	L	205	WVN	C39-C36-C32	-3.90	121.74	127.31
27	k	301	CLA	CMB-C2B-C3B	3.90	131.98	124.68
30	B	843	WVN	C19-C22-C26	-3.90	112.95	118.94

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	e	608	CLA	O2D-CGD-O1D	-3.90	116.21	123.84
36	f	617	IHT	C30-C27-C23	-3.89	121.75	127.31
27	A	853	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
27	f	604	CLA	CHB-C4A-NA	3.89	129.89	124.51
27	A	856	CLA	CMA-C3A-C2A	-3.88	107.04	116.10
37	s	201	KC2	CBC-CAC-C3C	-3.88	108.30	127.62
36	f	617	IHT	C02-C07-C10	-3.88	117.15	122.61
35	J	104	II0	C41-C39-C35	-3.88	121.78	127.31
27	l	306	CLA	CHB-C4A-NA	3.88	129.88	124.51
30	A	847	WVN	C21-C15-C13	-3.88	120.17	124.53
35	k	314	II0	C33-C35-C39	3.88	124.89	118.94
27	e	604	CLA	CMB-C2B-C3B	3.88	131.93	124.68
36	c	616	IHT	C31-C34-C35	-3.88	115.53	126.42
30	K	103	WVN	C04-C09-C05	-3.88	121.13	124.85
37	g	312	KC2	O2D-CGD-CBD	3.88	118.16	111.27
27	c	611	CLA	CMB-C2B-C3B	3.87	131.93	124.68
35	d	314	II0	C19-C13-C09	-3.87	119.09	124.35
27	A	804	CLA	CHB-C4A-NA	3.87	129.86	124.51
27	A	810	CLA	C4A-NA-C1A	3.87	108.45	106.71
27	B	824	CLA	C4A-NA-C1A	3.87	108.45	106.71
35	h	311	II0	C41-C39-C35	-3.87	121.79	127.31
27	B	819	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
27	f	612	CLA	CAC-C3C-C4C	3.87	129.83	124.81
29	A	845	LHG	O7-C7-C8	3.87	119.83	111.50
27	e	603	CLA	C4A-NA-C1A	3.86	108.44	106.71
30	R	202	WVN	C29-C31-C32	-3.86	115.56	126.42
29	g	321	LHG	C6-C5-C4	-3.86	102.65	111.79
35	c	615	II0	C20-C14-C10	-3.86	119.10	124.35
27	B	810	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
27	A	818	CLA	C1-C2-C3	-3.86	119.37	126.04
30	L	205	WVN	C14-C15-C13	-3.86	117.13	122.73
27	m	606	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
30	O	201	WVN	C07-C01-C02	3.86	115.39	109.55
30	I	101	WVN	C07-C01-C02	3.85	115.38	109.55
27	i	309	CLA	O2D-CGD-O1D	-3.85	116.31	123.84
37	k	310	KC2	O2D-CGD-CBD	3.85	118.11	111.27
30	K	103	WVN	C06-C13-C15	-3.85	117.20	122.61
27	A	816	CLA	C4A-NA-C1A	3.84	108.43	106.71
27	B	806	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
35	l	315	II0	C42-C41-C39	-3.83	115.62	123.47
27	g	309	CLA	O2D-CGD-CBD	3.83	118.08	111.27
30	B	843	WVN	C07-C01-C02	3.83	115.35	109.55

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	n	615	II0	C19-C13-C09	-3.83	119.14	124.35
37	s	204	KC2	C2A-C1A-NA	3.83	115.54	109.40
37	s	204	KC2	C1B-CHB-C4A	-3.83	117.80	126.06
35	j	613	II0	C20-C14-C10	-3.83	119.15	124.35
37	k	311	KC2	C4B-C3B-C2B	-3.83	103.61	106.75
30	J	101	WVN	C04-C09-C05	-3.82	121.19	124.85
35	m	613	II0	C41-C39-C35	-3.82	121.86	127.31
35	l	302	II0	C19-C13-C09	-3.82	119.16	124.35
27	a	312	CLA	O2D-CGD-O1D	-3.82	116.37	123.84
35	m	614	II0	C42-C40-C36	-3.82	121.86	127.31
35	e	614	II0	C19-C13-C11	3.82	121.43	114.36
27	B	838	CLA	CAA-C2A-C3A	-3.82	102.33	112.78
36	m	616	IHT	C19-C10-C09	3.81	120.94	113.62
27	f	607	CLA	CAA-CBA-CGA	-3.81	102.13	113.25
27	i	309	CLA	CMB-C2B-C3B	3.80	131.80	124.68
27	c	608	CLA	O2D-CGD-O1D	-3.80	116.41	123.84
30	I	101	WVN	C39-C40-C37	-3.80	115.69	123.47
35	i	318	II0	C20-C14-C12	3.80	121.39	114.36
27	e	602	CLA	C1B-CHB-C4A	-3.80	122.60	130.12
35	g	318	II0	C16-C03-C09	-3.80	104.44	110.47
35	b	615	II0	C17-C04-C10	-3.79	104.44	110.47
27	f	607	CLA	C4A-NA-C1A	3.79	108.41	106.71
27	A	825	CLA	C4A-NA-C1A	3.79	108.41	106.71
27	A	817	CLA	CMB-C2B-C3B	3.79	131.77	124.68
27	B	811	CLA	CMB-C2B-C3B	3.79	131.77	124.68
35	c	614	II0	C41-C42-C40	-3.79	115.72	123.47
37	k	310	KC2	C4B-C3B-C2B	-3.79	103.64	106.75
36	m	616	IHT	C41-C38-C35	-3.79	121.91	127.31
27	B	830	CLA	CMB-C2B-C1B	-3.78	122.65	128.46
35	l	315	II0	C03-C09-C13	-3.78	117.29	122.63
27	A	832	CLA	O2D-CGD-CBD	3.78	117.99	111.27
35	m	613	II0	C19-C13-C11	3.78	121.36	114.36
35	n	615	II0	C17-C04-C10	-3.78	104.46	110.47
27	F	202	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
35	k	318	II0	C20-C14-C12	3.77	121.35	114.36
35	l	302	II0	C37-C35-C33	3.77	124.02	118.08
27	c	608	CLA	O2D-CGD-CBD	3.77	117.97	111.27
27	c	602	CLA	CMC-C2C-C1C	3.77	130.78	125.04
30	L	205	WVN	C06-C13-C15	-3.77	117.31	122.61
30	e	615	WVN	C18-C06-C13	3.76	116.40	110.30
30	A	848	WVN	C21-C15-C14	3.76	120.84	113.62
35	f	618	II0	C31-C33-C35	-3.76	115.85	126.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	A	846	WVN	C40-C37-C34	-3.76	121.94	127.31
30	J	101	WVN	C39-C36-C32	-3.76	121.94	127.31
36	k	317	IHT	C30-C27-C23	-3.76	121.94	127.31
36	n	617	IHT	C19-C10-C07	-3.76	120.31	124.53
27	m	602	CLA	CMB-C2B-C3B	3.76	131.71	124.68
35	m	614	II0	C32-C34-C36	-3.76	115.86	126.42
35	j	614	II0	C41-C42-C40	-3.76	115.78	123.47
36	n	617	IHT	C30-C32-C33	-3.76	115.87	126.42
30	B	845	WVN	C30-C28-C25	-3.75	121.95	127.31
35	n	618	II0	C03-C09-C13	-3.75	117.33	122.63
27	A	856	CLA	CHB-C4A-NA	3.75	129.70	124.51
27	k	309	CLA	CAC-C3C-C4C	3.75	129.68	124.81
27	O	202	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
27	B	835	CLA	CAC-C3C-C2C	-3.75	121.11	127.53
27	a	313	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
27	e	610	CLA	CMB-C2B-C3B	3.75	131.69	124.68
27	B	818	CLA	CMB-C2B-C3B	3.75	131.69	124.68
27	B	836	CLA	C1B-CHB-C4A	-3.74	122.71	130.12
27	s	208	CLA	O2D-CGD-O1D	-3.74	116.52	123.84
35	b	615	II0	C30-C32-C34	-3.74	111.54	123.22
30	B	843	WVN	C40-C37-C34	-3.74	121.97	127.31
30	B	847	WVN	C07-C01-C02	3.74	115.21	109.55
35	h	310	II0	C30-C32-C34	-3.74	117.97	125.34
30	B	846	WVN	C04-C09-C05	-3.74	121.27	124.85
27	b	608	CLA	O2D-CGD-O1D	-3.73	116.54	123.84
27	j	612	CLA	C1B-CHB-C4A	-3.73	122.73	130.12
30	B	848	WVN	C40-C37-C34	-3.73	121.99	127.31
30	h	309	WVN	C39-C36-C32	-3.73	121.99	127.31
27	n	609	CLA	CHB-C4A-NA	3.73	129.67	124.51
35	n	614	II0	C37-C35-C33	3.73	123.95	118.08
30	A	848	WVN	C06-C13-C20	3.73	126.32	115.78
27	c	612	CLA	C4A-NA-C1A	3.72	108.38	106.71
30	e	615	WVN	C29-C26-C22	-3.72	122.00	127.31
36	b	614	IHT	C20-C15-C11	-3.72	119.29	124.35
29	i	316	LHG	O8-C23-C24	3.72	123.58	111.91
27	i	312	CLA	C1B-CHB-C4A	-3.72	122.76	130.12
27	l	305	CLA	CMB-C2B-C3B	3.71	131.63	124.68
27	i	302	CLA	CMB-C2B-C1B	-3.71	122.75	128.46
27	J	105	CLA	C2A-C1A-CHA	3.71	130.35	123.86
35	n	618	II0	C19-C13-C09	-3.71	119.31	124.35
27	c	604	CLA	CMB-C2B-C3B	3.71	131.62	124.68
27	b	605	CLA	CMB-C2B-C1B	-3.71	122.77	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	B	809	CLA	CMB-C2B-C3B	3.71	131.61	124.68
27	A	832	CLA	CMB-C2B-C3B	3.71	131.61	124.68
27	e	607	CLA	C1B-CHB-C4A	-3.70	122.78	130.12
38	i	301	LMU	O1B-C4'-C3'	3.70	117.14	107.28
27	A	826	CLA	CMC-C2C-C1C	-3.70	119.40	125.04
35	h	310	II0	C31-C33-C35	-3.70	116.01	126.42
35	l	317	II0	C03-C09-C13	-3.70	117.40	122.63
27	A	807	CLA	CMB-C2B-C3B	3.70	131.60	124.68
30	R	202	WVN	C03-C04-C09	-3.70	105.85	112.00
36	g	319	IHT	C09-C10-C07	-3.70	117.36	122.73
35	j	613	II0	C31-C33-C35	-3.70	116.03	126.42
37	s	201	KC2	C3B-C2B-C1B	-3.70	103.55	107.08
27	d	302	CLA	C4A-NA-C1A	3.70	108.37	106.71
27	f	608	CLA	CMB-C2B-C3B	3.70	131.59	124.68
37	n	612	KC2	C2A-C1A-NA	3.70	115.33	109.40
27	g	303	CLA	C4A-NA-C1A	3.69	108.37	106.71
27	A	839	CLA	CMB-C2B-C3B	3.69	131.59	124.68
30	i	315	WVN	C04-C09-C05	-3.69	121.31	124.85
35	k	314	II0	C03-C09-C13	-3.69	117.42	122.63
27	b	608	CLA	CMB-C2B-C3B	3.69	131.58	124.68
27	b	605	CLA	CMB-C2B-C3B	3.69	131.58	124.68
27	K	102	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
36	b	614	IHT	C04-C02-C07	3.69	116.16	110.48
27	m	611	CLA	C4A-NA-C1A	3.69	108.36	106.71
35	m	613	II0	C42-C40-C36	-3.69	122.05	127.31
27	A	811	CLA	CMB-C2B-C1B	-3.69	122.80	128.46
27	e	604	CLA	CHB-C4A-NA	3.69	129.61	124.51
36	c	620	IHT	C19-C10-C07	-3.68	120.39	124.53
27	f	602	CLA	O2D-CGD-O1D	-3.68	116.64	123.84
36	O	204	IHT	C09-C10-C07	-3.68	117.39	122.73
27	A	836	CLA	CAA-CBA-CGA	-3.68	102.50	113.25
27	c	602	CLA	C1B-CHB-C4A	-3.68	122.83	130.12
27	g	305	CLA	C1B-CHB-C4A	-3.68	122.83	130.12
30	B	847	WVN	C40-C37-C34	-3.68	122.06	127.31
36	a	317	IHT	C02-C07-C10	-3.67	117.44	122.61
30	R	201	WVN	C39-C36-C32	-3.67	122.07	127.31
37	i	317	KC2	C1B-CHB-C4A	-3.67	118.14	126.06
34	F	206	LMG	C7-O1-C1	-3.67	106.57	113.74
27	j	607	CLA	CMB-C2B-C3B	3.67	131.54	124.68
27	k	303	CLA	C1B-CHB-C4A	-3.67	122.85	130.12
27	A	832	CLA	O2D-CGD-O1D	-3.67	116.67	123.84
27	B	837	CLA	CMB-C2B-C1B	-3.66	122.83	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	d	314	II0	C19-C13-C11	3.66	121.14	114.36
27	e	605	CLA	O2D-CGD-CBD	3.66	117.77	111.27
34	F	206	LMG	C8-O7-C10	-3.65	108.80	117.79
27	k	306	CLA	C1B-CHB-C4A	-3.65	122.88	130.12
27	j	601	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
27	F	203	CLA	C1-O2A-CGA	3.65	126.02	116.44
37	k	311	KC2	O2D-CGD-O1D	-3.65	116.70	123.84
35	n	618	II0	C19-C13-C11	3.65	121.12	114.36
30	i	315	WVN	C40-C39-C36	-3.65	116.00	123.47
35	k	314	II0	C38-C36-C40	-3.65	117.82	122.92
27	m	611	CLA	CAA-C2A-C3A	-3.64	102.80	112.78
35	l	302	II0	C03-C09-C13	-3.64	117.49	122.63
27	f	613	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
37	f	611	KC2	O2D-CGD-CBD	3.64	117.74	111.27
27	A	827	CLA	C1B-CHB-C4A	-3.64	122.91	130.12
30	B	848	WVN	C21-C15-C13	-3.64	120.44	124.53
37	s	204	KC2	C3A-C4A-NA	3.64	114.55	110.57
27	B	834	CLA	CMB-C2B-C3B	3.63	131.48	124.68
35	k	315	II0	C19-C13-C09	-3.63	119.41	124.35
35	e	613	II0	C41-C42-C40	-3.63	116.03	123.47
30	M	101	WVN	C14-C15-C13	-3.63	117.46	122.73
35	f	618	II0	C19-C13-C09	-3.63	119.42	124.35
29	m	617	LHG	O7-C7-C8	3.62	119.31	111.50
30	A	848	WVN	C39-C40-C37	-3.62	116.05	123.47
27	c	609	CLA	C4A-NA-C1A	3.62	108.33	106.71
27	A	829	CLA	O2D-CGD-O1D	-3.62	116.76	123.84
27	B	849	CLA	C1B-CHB-C4A	-3.62	122.95	130.12
35	b	615	II0	C20-C14-C12	3.62	121.06	114.36
27	i	309	CLA	C4A-NA-C1A	3.62	108.33	106.71
30	B	843	WVN	C39-C40-C37	-3.62	116.07	123.47
30	s	205	WVN	C40-C37-C34	-3.62	122.15	127.31
27	h	303	CLA	CMB-C2B-C3B	3.61	131.44	124.68
27	B	810	CLA	C7-C6-C5	-3.61	103.54	113.36
27	d	303	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
27	A	818	CLA	C1B-CHB-C4A	-3.61	122.96	130.12
27	m	612	CLA	CMB-C2B-C3B	3.61	131.43	124.68
27	B	835	CLA	C4-C3-C5	3.61	121.34	115.27
27	A	832	CLA	CMC-C2C-C1C	-3.61	119.55	125.04
30	F	204	WVN	C21-C15-C14	3.61	120.54	113.62
35	h	310	II0	C27-C25-C23	3.61	123.98	116.84
27	a	310	CLA	O2D-CGD-O1D	-3.61	116.79	123.84
35	e	616	II0	C20-C14-C10	-3.61	119.45	124.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	i	305	CLA	C1B-CHB-C4A	-3.60	122.98	130.12
27	B	838	CLA	O2D-CGD-O1D	-3.60	116.79	123.84
27	j	611	CLA	CMB-C2B-C3B	3.60	131.41	124.68
35	a	316	II0	C19-C13-C11	3.60	121.02	114.36
27	j	612	CLA	CMB-C2B-C3B	3.60	131.41	124.68
27	c	602	CLA	CAC-C3C-C2C	-3.59	121.38	127.53
27	n	613	CLA	CMB-C2B-C3B	3.59	131.40	124.68
37	g	313	KC2	CHB-C4A-NA	3.59	129.87	124.20
35	n	614	II0	C05-C03-C09	3.59	116.90	109.62
35	a	318	II0	C32-C30-C26	3.59	137.02	126.58
27	L	202	CLA	CMB-C2B-C3B	3.59	131.40	124.68
35	g	318	II0	C15-C03-C09	-3.59	104.76	110.47
35	g	316	II0	C27-C25-C23	3.59	123.95	116.84
37	i	317	KC2	CBC-CAC-C3C	-3.59	109.77	127.62
27	A	837	CLA	CAA-CBA-CGA	-3.59	102.77	113.25
27	A	829	CLA	O2D-CGD-CBD	3.58	117.63	111.27
30	s	207	WVN	C30-C33-C34	-3.58	116.36	126.42
37	d	309	KC2	O2D-CGD-CBD	3.58	117.62	111.27
27	k	304	CLA	CMC-C2C-C1C	-3.58	119.59	125.04
29	a	301	LHG	O7-C7-C8	3.58	119.21	111.50
27	k	313	CLA	CMB-C2B-C3B	3.58	131.37	124.68
30	A	847	WVN	C01-C02-C11	-3.57	108.18	112.70
27	g	306	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
27	k	309	CLA	CED-O2D-CGD	3.57	124.02	115.94
27	B	836	CLA	C1-C2-C3	-3.57	119.87	126.04
27	c	606	CLA	C1B-CHB-C4A	-3.57	123.05	130.12
36	R	204	IHT	C09-C10-C07	-3.57	117.55	122.73
27	A	802	CLA	C4A-NA-C1A	3.57	108.31	106.71
29	k	319	LHG	O7-C7-C8	3.56	119.18	111.50
30	B	847	WVN	C26-C29-C31	-3.56	112.10	123.22
27	B	828	CLA	CMB-C2B-C1B	-3.56	122.99	128.46
35	g	318	II0	C30-C32-C34	-3.56	112.10	123.22
30	F	205	WVN	C07-C01-C02	3.56	114.94	109.55
27	k	305	CLA	C1B-CHB-C4A	-3.56	123.07	130.12
27	g	308	CLA	C1B-CHB-C4A	-3.56	123.07	130.12
27	l	306	CLA	C1B-CHB-C4A	-3.56	123.07	130.12
30	A	849	WVN	C40-C37-C34	-3.56	122.23	127.31
27	l	309	CLA	C1-C2-C3	-3.55	119.90	126.04
30	B	845	WVN	C29-C26-C22	-3.55	122.24	127.31
35	O	203	II0	C31-C33-C35	-3.55	116.44	126.42
35	k	314	II0	C37-C35-C33	-3.55	112.48	118.08
35	J	104	II0	C19-C13-C11	3.55	120.93	114.36

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
36	k	317	IHT	C09-C10-C07	-3.55	117.58	122.73
27	B	835	CLA	CBC-CAC-C3C	3.55	122.21	112.43
27	i	311	CLA	C1B-CHB-C4A	-3.55	123.09	130.12
35	l	315	II0	C06-C08-C12	3.54	115.16	110.30
35	g	320	II0	C06-C04-C10	3.54	116.80	109.62
27	d	303	CLA	C1B-CHB-C4A	-3.54	123.11	130.12
35	l	313	II0	C20-C14-C10	-3.54	119.54	124.35
37	s	201	KC2	CBD-CHA-C1A	3.54	135.48	128.88
37	n	612	KC2	CBC-CAC-C3C	-3.54	110.02	127.62
35	k	314	II0	C19-C13-C11	3.54	120.91	114.36
30	R	202	WVN	C04-C09-C05	-3.53	121.46	124.85
35	l	313	II0	C42-C41-C39	-3.53	116.23	123.47
30	A	848	WVN	C17-C06-C13	3.53	116.03	110.30
27	j	604	CLA	CHB-C4A-NA	3.53	129.40	124.51
27	k	309	CLA	O2D-CGD-CBD	3.53	117.55	111.27
35	i	314	II0	C41-C39-C35	-3.53	122.27	127.31
37	k	310	KC2	C2A-C1A-NA	3.53	115.07	109.40
27	f	612	CLA	C1B-CHB-C4A	-3.53	123.12	130.12
27	d	306	CLA	C1B-CHB-C4A	-3.53	123.13	130.12
35	n	615	II0	C41-C42-C40	-3.53	116.25	123.47
27	h	305	CLA	C1B-CHB-C4A	-3.53	123.13	130.12
27	k	313	CLA	C1B-CHB-C4A	-3.53	123.13	130.12
36	a	317	IHT	C40-C37-C33	-3.52	122.28	127.31
27	A	856	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
30	F	205	WVN	C39-C40-C37	3.52	130.69	123.47
37	m	610	KC2	C2A-C1A-NA	3.52	115.05	109.40
29	A	844	LHG	O8-C23-C24	3.52	122.96	111.91
30	A	849	WVN	C07-C01-C02	3.52	114.88	109.55
37	n	611	KC2	O2D-CGD-CBD	3.52	117.52	111.27
27	s	208	CLA	CMA-C3A-C4A	-3.52	102.31	111.77
35	J	104	II0	C31-C33-C35	-3.52	116.54	126.42
30	B	844	WVN	C39-C36-C32	-3.51	122.29	127.31
27	R	203	CLA	C4A-NA-C1A	3.51	108.29	106.71
27	c	602	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
35	m	613	II0	C15-C03-C09	-3.51	104.88	110.47
37	i	310	KC2	CBD-CHA-C1A	3.51	135.43	128.88
37	k	311	KC2	CHB-C4A-NA	3.51	129.74	124.20
27	g	309	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
29	A	850	LHG	O7-C7-C8	3.51	119.07	111.50
27	A	852	CLA	CMB-C2B-C3B	3.51	131.25	124.68
35	l	313	II0	C15-C03-C09	-3.51	104.89	110.47
37	k	311	KC2	CBC-CAC-C3C	-3.51	110.16	127.62

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	k	304	CLA	C1B-CHB-C4A	-3.51	123.17	130.12
27	i	309	CLA	CAC-C3C-C4C	3.51	129.36	124.81
35	b	612	II0	C27-C25-C23	3.51	123.79	116.84
36	m	616	IHT	C09-C10-C07	-3.51	117.64	122.73
27	B	810	CLA	CBC-CAC-C3C	3.51	122.10	112.43
36	m	616	IHT	C02-C07-C10	-3.51	117.67	122.61
35	f	614	II0	C19-C13-C11	3.50	120.85	114.36
38	i	301	LMU	C3'-C4'-C5'	-3.50	102.89	110.93
27	B	834	CLA	C4A-NA-C1A	3.50	108.28	106.71
27	d	307	CLA	CAA-C2A-C3A	-3.50	107.93	116.10
27	j	606	CLA	CHB-C4A-NA	3.50	129.35	124.51
35	g	318	II0	C19-C13-C11	3.50	120.84	114.36
27	s	206	CLA	O2D-CGD-CBD	3.50	117.48	111.27
27	h	308	CLA	C2A-C1A-CHA	3.50	129.97	123.86
27	k	307	CLA	CBA-CAA-C2A	3.50	124.18	113.86
27	n	608	CLA	CMB-C2B-C1B	-3.50	123.09	128.46
27	g	308	CLA	CHB-C4A-NA	3.50	129.34	124.51
36	R	204	IHT	C19-C10-C09	3.49	120.33	113.62
36	c	616	IHT	C20-C15-C11	-3.49	119.60	124.35
34	L	208	LMG	C8-O7-C10	-3.49	109.19	117.79
27	n	605	CLA	CAC-C3C-C2C	-3.49	121.55	127.53
27	h	304	CLA	C2A-C1A-CHA	3.49	129.97	123.86
27	g	303	CLA	C1B-CHB-C4A	-3.49	123.20	130.12
37	c	610	KC2	CBC-CAC-C3C	-3.49	110.24	127.62
27	g	310	CLA	O2D-CGD-O1D	-3.49	117.01	123.84
27	l	304	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
27	a	312	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
27	B	836	CLA	CHB-C4A-NA	3.49	129.34	124.51
27	A	824	CLA	C2A-C1A-CHA	3.49	129.96	123.86
27	e	611	CLA	C7-C6-C5	-3.49	103.89	113.36
27	d	305	CLA	CMB-C2B-C3B	3.49	131.20	124.68
30	B	845	WVN	C29-C31-C32	3.48	136.20	126.42
35	l	317	II0	C33-C35-C39	-3.48	113.59	118.94
37	d	309	KC2	C2A-C1A-NA	3.48	114.99	109.40
27	n	613	CLA	C4A-NA-C1A	3.48	108.27	106.71
35	c	614	II0	C19-C13-C09	-3.48	119.62	124.35
27	f	610	CLA	C4A-NA-C1A	3.48	108.27	106.71
37	d	310	KC2	C2A-C1A-NA	3.48	114.98	109.40
27	O	202	CLA	CMB-C2B-C3B	3.48	131.19	124.68
27	s	208	CLA	C1B-CHB-C4A	-3.48	123.23	130.12
27	A	815	CLA	C1B-CHB-C4A	-3.48	123.23	130.12
34	O	205	LMG	O7-C10-C11	3.47	120.49	110.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	g	312	KC2	CBC-CAC-C3C	-3.47	110.33	127.62
27	L	203	CLA	CHD-C1D-ND	-3.47	121.26	124.45
27	n	613	CLA	C1B-CHB-C4A	-3.47	123.24	130.12
37	l	311	KC2	C2A-C1A-NA	3.47	114.97	109.40
35	a	314	II0	C20-C14-C10	-3.47	119.63	124.35
27	m	606	CLA	C1B-CHB-C4A	-3.47	123.25	130.12
27	A	820	CLA	C1B-CHB-C4A	-3.47	123.25	130.12
27	h	307	CLA	C1B-CHB-C4A	-3.47	123.25	130.12
27	e	611	CLA	CMB-C2B-C3B	3.46	131.16	124.68
27	A	813	CLA	C2C-C1C-NC	3.46	113.22	109.97
37	e	609	KC2	C2A-C1A-NA	3.46	114.96	109.40
35	m	615	II0	C19-C13-C09	-3.46	119.64	124.35
30	F	205	WVN	C29-C26-C22	-3.46	122.37	127.31
27	B	814	CLA	C1B-CHB-C4A	-3.46	123.27	130.12
27	f	604	CLA	C1B-CHB-C4A	-3.46	123.27	130.12
37	n	611	KC2	C2A-C1A-NA	3.46	114.95	109.40
27	k	304	CLA	CHB-C4A-NA	3.45	129.29	124.51
27	k	302	CLA	CAA-C2A-C3A	-3.45	103.32	112.78
37	k	310	KC2	O2D-CGD-O1D	-3.45	117.09	123.84
36	g	319	IHT	C20-C15-C11	-3.45	119.66	124.35
27	a	305	CLA	CMB-C2B-C3B	3.45	131.13	124.68
27	k	308	CLA	C1B-CHB-C4A	-3.45	123.29	130.12
27	h	308	CLA	CHB-C4A-NA	3.45	129.28	124.51
30	A	848	WVN	C14-C15-C13	-3.45	117.73	122.73
27	n	605	CLA	CHB-C4A-NA	3.45	129.28	124.51
37	d	310	KC2	C3D-CAD-CBD	-3.44	103.07	107.61
27	c	603	CLA	O2D-CGD-O1D	-3.44	117.11	123.84
27	f	606	CLA	C1B-CHB-C4A	-3.44	123.30	130.12
29	a	301	LHG	O8-C23-C24	3.44	122.71	111.91
27	n	609	CLA	C1B-CHB-C4A	-3.44	123.30	130.12
37	k	311	KC2	C3B-C2B-C1B	-3.44	103.79	107.08
27	B	812	CLA	C1B-CHB-C4A	-3.44	123.31	130.12
36	O	204	IHT	C18-C22-C23	-3.43	121.05	126.23
27	B	835	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
35	k	318	II0	C16-C03-C09	-3.43	105.01	110.47
27	A	833	CLA	C1B-CHB-C4A	-3.43	123.32	130.12
30	A	849	WVN	C26-C29-C31	-3.43	112.51	123.22
27	l	307	CLA	O2A-CGA-O1A	-3.43	114.93	123.59
35	e	616	II0	C41-C42-C40	-3.43	116.45	123.47
27	B	810	CLA	CMB-C2B-C3B	3.43	131.09	124.68
37	f	611	KC2	C2A-C1A-NA	3.43	114.90	109.40
27	h	307	CLA	CMB-C2B-C1B	-3.43	123.20	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	i	310	KC2	CBC-CAC-C3C	-3.43	110.57	127.62
27	B	822	CLA	O2D-CGD-CBD	3.43	117.36	111.27
36	n	617	IHT	C03-C11-C15	-3.42	117.80	122.63
35	a	315	II0	C19-C13-C09	-3.42	119.70	124.35
35	c	617	II0	C42-C41-C39	-3.42	116.46	123.47
27	e	606	CLA	C1B-CHB-C4A	-3.42	123.34	130.12
30	I	101	WVN	C23-C20-C13	-3.42	117.60	127.20
27	i	303	CLA	C1B-CHB-C4A	-3.42	123.34	130.12
35	e	612	II0	C32-C34-C36	-3.42	116.81	126.42
27	A	855	CLA	O2A-CGA-CBA	3.42	122.64	111.91
27	B	828	CLA	C1B-CHB-C4A	-3.41	123.36	130.12
27	n	601	CLA	CMB-C2B-C3B	3.41	131.06	124.68
27	F	201	CLA	O2D-CGD-CBD	3.41	117.33	111.27
27	n	606	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
27	m	608	CLA	C1B-CHB-C4A	-3.41	123.36	130.12
27	b	611	CLA	C1B-CHB-C4A	-3.41	123.36	130.12
35	a	314	II0	C20-C14-C12	3.41	120.67	114.36
27	j	608	CLA	C1B-CHB-C4A	-3.41	123.37	130.12
35	a	318	II0	C20-C14-C12	3.41	120.67	114.36
27	j	604	CLA	CMA-C3A-C4A	-3.41	102.62	111.77
30	h	309	WVN	C06-C13-C15	-3.41	117.82	122.61
27	B	823	CLA	O2A-C1-C2	-3.41	99.68	108.64
27	c	612	CLA	C1B-CHB-C4A	-3.40	123.37	130.12
27	A	803	CLA	CAA-CBA-CGA	-3.40	103.31	113.25
36	a	317	IHT	C19-C10-C09	3.40	120.15	113.62
35	f	618	II0	C04-C10-C14	-3.40	117.83	122.63
30	B	844	WVN	C21-C15-C13	-3.40	120.71	124.53
27	A	816	CLA	CBA-CAA-C2A	3.40	123.90	113.86
27	K	101	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
35	k	318	II0	C31-C33-C35	-3.40	116.86	126.42
27	j	604	CLA	C1B-CHB-C4A	-3.40	123.39	130.12
27	j	611	CLA	C1-C2-C3	-3.40	120.17	126.04
27	A	813	CLA	CAA-CBA-CGA	-3.40	103.49	112.51
27	B	809	CLA	CHB-C4A-NA	3.40	129.21	124.51
36	a	317	IHT	C20-C15-C11	-3.40	119.73	124.35
27	B	819	CLA	CMB-C2B-C3B	3.40	131.03	124.68
27	g	307	CLA	CMB-C2B-C3B	3.40	131.03	124.68
27	a	307	CLA	CAC-C3C-C2C	-3.40	121.72	127.53
27	d	304	CLA	O2D-CGD-CBD	3.40	117.30	111.27
37	k	312	KC2	C3D-CAD-CBD	-3.39	103.14	107.61
35	k	318	II0	C18-C04-C10	-3.39	105.08	110.47
27	l	310	CLA	CMB-C2B-C3B	3.39	131.03	124.68

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	k	306	CLA	C1-C2-C3	-3.39	120.18	126.04
27	m	612	CLA	C1B-CHB-C4A	-3.39	123.40	130.12
27	c	606	CLA	CAA-C2A-C3A	-3.39	103.49	112.78
27	B	835	CLA	CAA-CBA-CGA	-3.39	103.35	113.25
27	B	821	CLA	C2D-C1D-ND	-3.39	107.61	110.10
35	d	313	II0	C19-C13-C09	-3.39	119.74	124.35
27	n	607	CLA	C1B-CHB-C4A	-3.39	123.41	130.12
35	a	314	II0	C32-C30-C26	-3.39	116.74	126.58
30	s	207	WVN	C29-C26-C22	-3.39	122.47	127.31
35	m	614	II0	C20-C14-C12	3.39	120.63	114.36
27	a	308	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
36	a	317	IHT	C09-C10-C07	-3.38	117.82	122.73
27	F	203	CLA	CHB-C4A-NA	3.38	129.19	124.51
27	B	820	CLA	CHB-C4A-NA	3.38	129.19	124.51
27	k	303	CLA	CHB-C4A-NA	3.38	129.19	124.51
27	l	306	CLA	O2D-CGD-O1D	-3.38	117.23	123.84
30	J	102	WVN	C08-C01-C03	-3.38	102.07	109.03
35	n	618	II0	C31-C33-C35	-3.38	116.92	126.42
27	a	306	CLA	C1B-CHB-C4A	-3.38	123.42	130.12
27	A	816	CLA	O2D-CGD-O1D	-3.38	117.23	123.84
30	O	201	WVN	C39-C40-C37	-3.38	116.55	123.47
37	n	612	KC2	O2D-CGD-CBD	3.38	117.27	111.27
30	I	101	WVN	C40-C37-C34	-3.38	122.49	127.31
27	m	604	CLA	CHD-C1D-ND	-3.38	121.35	124.45
30	L	205	WVN	C30-C28-C25	-3.38	122.49	127.31
27	g	322	CLA	O2A-C1-C2	3.38	117.51	108.64
27	A	812	CLA	C4-C3-C5	3.37	120.95	115.27
35	m	614	II0	C04-C10-C14	-3.37	117.87	122.63
27	s	209	CLA	CMB-C2B-C3B	3.37	130.99	124.68
35	b	612	II0	C42-C41-C39	-3.37	116.56	123.47
27	k	305	CLA	O2D-CGD-O1D	-3.37	117.24	123.84
27	m	602	CLA	C1B-CHB-C4A	-3.37	123.44	130.12
29	L	207	LHG	C5-O7-C7	-3.37	109.49	117.79
30	A	848	WVN	C30-C33-C34	-3.37	116.95	126.42
35	j	614	II0	C32-C34-C36	-3.37	116.95	126.42
27	m	607	CLA	C1B-CHB-C4A	-3.37	123.44	130.12
27	i	303	CLA	O2D-CGD-CBD	3.37	117.26	111.27
27	k	308	CLA	CED-O2D-CGD	3.37	123.56	115.94
27	j	605	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
27	A	832	CLA	C1B-CHB-C4A	-3.37	123.45	130.12
27	l	312	CLA	CMB-C2B-C3B	3.37	130.98	124.68
27	B	839	CLA	CHD-C1D-ND	-3.37	121.36	124.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	n	618	II0	C27-C25-C23	3.37	123.50	116.84
27	e	601	CLA	CMB-C2B-C1B	-3.36	123.29	128.46
27	d	308	CLA	O2D-CGD-O1D	-3.36	117.26	123.84
35	d	312	II0	C20-C14-C12	3.36	120.58	114.36
27	B	813	CLA	C1B-CHB-C4A	-3.36	123.46	130.12
27	B	826	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
35	a	315	II0	C42-C40-C36	-3.36	122.52	127.31
37	d	309	KC2	CBC-CAC-C3C	-3.36	110.92	127.62
27	B	819	CLA	C4A-NA-C1A	3.35	108.21	106.71
35	i	314	II0	C42-C40-C36	-3.35	122.52	127.31
27	B	809	CLA	C1B-CHB-C4A	-3.35	123.48	130.12
30	J	102	WVN	C20-C23-C25	-3.35	121.17	126.23
27	s	202	CLA	CHD-C1D-ND	-3.35	121.37	124.45
27	a	307	CLA	O2D-CGD-CBD	3.35	117.22	111.27
27	b	607	CLA	CHD-C1D-ND	-3.35	121.38	124.45
27	s	203	CLA	CMB-C2B-C3B	3.35	130.94	124.68
27	f	610	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
27	n	606	CLA	CBA-CAA-C2A	-3.35	103.99	113.86
27	K	101	CLA	O2D-CGD-O1D	-3.35	117.30	123.84
27	l	307	CLA	CHB-C4A-NA	3.34	129.14	124.51
27	d	308	CLA	C1B-CHB-C4A	-3.34	123.50	130.12
34	c	619	LMG	O6-C1-O1	3.34	117.89	109.97
27	h	308	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
27	j	604	CLA	CHD-C1D-ND	-3.34	121.39	124.45
27	s	202	CLA	CMB-C2B-C3B	3.34	130.93	124.68
27	A	820	CLA	C7-C6-C5	-3.34	104.29	113.36
27	A	810	CLA	CMB-C2B-C1B	-3.34	123.34	128.46
27	j	606	CLA	CBA-CAA-C2A	-3.34	104.02	113.86
35	J	104	II0	C42-C41-C39	-3.34	116.64	123.47
27	j	605	CLA	C2A-C1A-CHA	3.34	129.69	123.86
27	e	602	CLA	CHB-C4A-NA	3.34	129.12	124.51
27	n	608	CLA	C4A-NA-C1A	3.33	108.20	106.71
27	A	840	CLA	C12-C11-C10	3.33	128.55	113.24
27	a	313	CLA	C1B-CHB-C4A	-3.33	123.52	130.12
27	L	204	CLA	CMB-C2B-C3B	3.33	130.91	124.68
27	i	306	CLA	C1B-CHB-C4A	-3.33	123.52	130.12
27	B	803	CLA	O2D-CGD-O1D	-3.33	117.33	123.84
35	l	302	II0	C27-C25-C23	3.33	123.43	116.84
27	e	605	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
27	B	802	CLA	CBC-CAC-C3C	3.33	121.60	112.43
27	d	311	CLA	O2D-CGD-O1D	-3.33	117.34	123.84
37	k	312	KC2	CBC-CAC-C3C	-3.32	111.08	127.62

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	f	605	CLA	CMB-C2B-C1B	-3.32	123.35	128.46
35	a	315	II0	C20-C14-C10	-3.32	119.83	124.35
27	l	312	CLA	C4A-NA-C1A	3.32	108.20	106.71
27	a	307	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
30	M	101	WVN	C06-C13-C15	-3.32	117.94	122.61
27	k	302	CLA	C4A-NA-C1A	3.32	108.20	106.71
27	a	313	CLA	CMB-C2B-C3B	3.32	130.88	124.68
37	m	610	KC2	CBC-CAC-C3C	-3.32	111.12	127.62
27	n	606	CLA	C1B-CHB-C4A	-3.32	123.55	130.12
35	e	616	II0	C20-C14-C12	3.32	120.50	114.36
27	i	312	CLA	CHB-C4A-NA	3.32	129.10	124.51
27	g	309	CLA	CMB-C2B-C1B	-3.32	123.37	128.46
34	c	619	LMG	C1-O6-C5	3.31	120.19	113.69
27	f	610	CLA	C1B-CHB-C4A	-3.31	123.56	130.12
30	B	846	WVN	C27-C25-C23	-3.31	112.86	118.08
35	m	614	II0	C31-C29-C25	-3.31	116.97	126.58
27	j	609	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
27	f	602	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
35	h	311	II0	C19-C13-C09	-3.31	119.85	124.35
30	B	845	WVN	C35-C32-C36	-3.31	118.29	122.92
27	m	612	CLA	CMC-C2C-C3C	3.31	135.10	126.12
35	i	313	II0	C28-C26-C24	3.31	123.39	116.84
27	B	805	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
35	f	615	II0	C38-C36-C34	3.30	123.28	118.08
27	A	855	CLA	C1B-CHB-C4A	-3.30	123.58	130.12
35	l	314	II0	C31-C33-C35	-3.30	117.14	126.42
27	B	849	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
27	e	608	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
30	A	847	WVN	C31-C32-C36	3.30	124.00	118.94
35	m	615	II0	C19-C13-C11	3.30	120.47	114.36
27	m	601	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
27	m	609	CLA	O2D-CGD-O1D	-3.30	117.39	123.84
37	g	314	KC2	O2D-CGD-CBD	3.30	117.13	111.27
27	f	601	CLA	CMB-C2B-C1B	-3.30	123.40	128.46
35	a	315	II0	C31-C33-C35	-3.30	117.16	126.42
30	B	848	WVN	C30-C33-C34	3.29	135.67	126.42
27	m	611	CLA	C4-C3-C5	3.29	119.75	115.98
27	g	302	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
27	A	832	CLA	CAA-CBA-CGA	-3.29	103.63	113.25
27	b	602	CLA	CHB-C4A-NA	3.29	129.06	124.51
27	h	313	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
30	I	101	WVN	C04-C09-C05	-3.29	121.69	124.85

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	R	202	WVN	C21-C15-C13	-3.29	120.83	124.53
35	k	315	II0	C03-C05-C07	3.29	121.07	113.64
27	h	306	CLA	C1B-CHB-C4A	-3.29	123.61	130.12
37	g	312	KC2	CHB-C4A-NA	3.29	129.38	124.20
30	B	843	WVN	C39-C36-C32	-3.29	122.62	127.31
27	g	322	CLA	CAC-C3C-C2C	-3.29	121.91	127.53
30	A	849	WVN	C08-C01-C07	-3.29	103.05	107.89
27	L	203	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
27	l	307	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
27	g	302	CLA	CMB-C2B-C1B	-3.28	123.42	128.46
27	B	837	CLA	O2A-CGA-O1A	-3.28	115.31	123.59
36	b	614	IHT	C31-C29-C26	-3.28	117.05	126.58
27	A	802	CLA	C1B-CHB-C4A	-3.28	123.62	130.12
27	K	102	CLA	CMB-C2B-C3B	3.28	130.81	124.68
27	B	805	CLA	CHB-C4A-NA	3.28	129.04	124.51
35	c	617	II0	C17-C04-C10	-3.28	105.26	110.47
35	f	616	II0	C27-C25-C23	3.28	123.33	116.84
27	B	806	CLA	C1B-CHB-C4A	-3.27	123.63	130.12
36	c	620	IHT	C27-C30-C32	-3.27	113.00	123.22
38	i	301	LMU	O1'-C1'-C2'	3.27	113.41	108.30
27	g	310	CLA	C1B-CHB-C4A	-3.27	123.64	130.12
30	R	201	WVN	C30-C33-C34	-3.27	117.22	126.42
27	O	206	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
27	f	606	CLA	C4-C3-C5	3.27	119.72	115.98
36	k	317	IHT	C19-C10-C07	-3.27	120.86	124.53
27	A	817	CLA	O2D-CGD-O1D	-3.27	117.44	123.84
30	O	201	WVN	C21-C15-C13	-3.27	120.86	124.53
35	J	104	II0	C06-C08-C12	3.27	114.78	110.30
27	b	602	CLA	O2D-CGD-O1D	-3.27	117.45	123.84
27	A	830	CLA	CHB-C4A-NA	3.27	129.03	124.51
36	a	317	IHT	C18-C22-C23	-3.27	121.30	126.23
27	l	304	CLA	C1B-CHB-C4A	-3.26	123.65	130.12
35	a	318	II0	C04-C10-C14	-3.26	118.02	122.63
35	l	313	II0	C41-C39-C35	-3.26	122.65	127.31
37	j	610	KC2	C2A-C1A-NA	3.26	114.63	109.40
27	B	849	CLA	CHB-C4A-NA	3.26	129.02	124.51
27	A	815	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
27	d	305	CLA	C1B-CHB-C4A	-3.26	123.66	130.12
37	i	310	KC2	CHB-C4A-NA	3.26	129.34	124.20
27	c	601	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
27	h	303	CLA	C1B-CHB-C4A	-3.26	123.67	130.12
27	j	604	CLA	CAA-CBA-CGA	-3.26	103.74	113.25

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	h	312	II0	C19-C13-C11	3.26	120.39	114.36
35	l	314	II0	C32-C34-C36	-3.26	117.27	126.42
27	i	308	CLA	C1B-CHB-C4A	-3.25	123.67	130.12
27	A	855	CLA	CMB-C2B-C1B	-3.25	123.46	128.46
27	J	105	CLA	CMB-C2B-C1B	-3.25	123.47	128.46
27	A	856	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
27	m	604	CLA	CMA-C3A-C4A	-3.25	103.04	111.77
34	J	106	LMG	O7-C10-C11	3.25	118.50	111.50
29	m	617	LHG	C5-O7-C7	-3.25	109.80	117.79
37	c	610	KC2	CHB-C4A-NA	3.25	129.32	124.20
30	L	201	WVN	C26-C29-C31	-3.25	113.09	123.22
27	A	801	CLA	CMB-C2B-C1B	-3.24	123.48	128.46
30	K	103	WVN	C26-C29-C31	-3.24	113.09	123.22
27	i	308	CLA	CMD-C2D-C3D	3.24	135.07	127.61
37	s	204	KC2	CHB-C4A-NA	3.24	129.31	124.20
27	m	604	CLA	C1B-CHB-C4A	-3.24	123.70	130.12
27	k	306	CLA	CAC-C3C-C4C	3.24	129.01	124.81
27	A	816	CLA	C4-C3-C2	-3.24	115.37	123.68
35	m	614	II0	C34-C36-C40	-3.24	113.97	118.94
27	c	609	CLA	C1B-CHB-C4A	-3.24	123.71	130.12
27	b	605	CLA	C1B-CHB-C4A	-3.24	123.71	130.12
37	k	312	KC2	O2D-CGD-O1D	-3.23	117.52	123.84
27	l	304	CLA	CHB-C4A-NA	3.23	128.98	124.51
35	k	315	II0	C05-C03-C09	3.23	116.17	109.62
27	k	305	CLA	O2D-CGD-CBD	3.23	117.01	111.27
27	k	305	CLA	CMB-C2B-C1B	-3.23	123.50	128.46
27	h	306	CLA	C4A-NA-C1A	3.23	108.16	106.71
35	k	314	II0	C31-C33-C35	-3.23	117.35	126.42
27	A	819	CLA	CAC-C3C-C4C	-3.23	120.62	124.81
35	n	616	II0	C19-C13-C11	3.23	120.33	114.36
36	m	616	IHT	C30-C32-C33	-3.23	117.35	126.42
30	e	615	WVN	C07-C01-C03	-3.23	102.39	109.03
27	k	306	CLA	CMB-C2B-C3B	3.23	130.71	124.68
35	i	314	II0	C37-C35-C33	-3.23	113.00	118.08
27	B	808	CLA	CMB-C2B-C1B	-3.23	123.51	128.46
27	f	602	CLA	CAA-CBA-CGA	-3.22	103.83	113.25
27	h	313	CLA	C1B-CHB-C4A	-3.22	123.73	130.12
35	b	615	II0	C16-C03-C15	-3.22	98.64	108.53
27	B	849	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
36	c	616	IHT	C19-C10-C09	3.22	119.81	113.62
27	d	307	CLA	CMB-C2B-C3B	3.22	130.71	124.68
36	R	204	IHT	C20-C15-C11	-3.22	119.97	124.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	g	311	CLA	CMB-C2B-C1B	-3.22	123.52	128.46
35	j	613	II0	C30-C32-C34	-3.22	113.17	123.22
36	k	317	IHT	C31-C34-C35	-3.22	117.38	126.42
27	b	608	CLA	C1B-CHB-C4A	-3.22	123.75	130.12
27	m	609	CLA	CHB-C4A-NA	3.22	128.96	124.51
31	b	616	LMT	C4'-C3'-C2'	3.22	116.44	110.82
27	B	802	CLA	C1B-CHB-C4A	-3.22	123.75	130.12
35	c	615	II0	C05-C03-C09	3.22	116.14	109.62
27	m	612	CLA	CAC-C3C-C2C	3.22	133.03	127.53
35	f	618	II0	C20-C14-C10	-3.22	119.98	124.35
35	g	317	II0	C29-C31-C33	-3.21	113.18	123.22
27	A	830	CLA	C1B-CHB-C4A	-3.21	123.75	130.12
27	A	809	CLA	C1B-CHB-C4A	-3.21	123.75	130.12
27	A	824	CLA	O2D-CGD-CBD	3.21	116.98	111.27
27	l	309	CLA	C2D-C1D-ND	-3.21	107.74	110.10
27	d	304	CLA	C1B-CHB-C4A	-3.21	123.76	130.12
27	B	837	CLA	CMB-C2B-C3B	3.21	130.69	124.68
27	m	605	CLA	CMB-C2B-C3B	3.21	130.68	124.68
29	e	617	LHG	C6-C5-C4	-3.21	104.20	111.79
27	B	826	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
27	k	308	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
37	i	317	KC2	C2A-C1A-NA	3.21	114.55	109.40
30	h	309	WVN	C40-C37-C34	-3.21	122.73	127.31
27	e	607	CLA	CMC-C2C-C1C	3.21	129.93	125.04
27	g	322	CLA	C1B-CHB-C4A	-3.21	123.76	130.12
27	n	602	CLA	CGD-CBD-CAD	-3.21	100.34	110.73
27	J	103	CLA	CAA-C2A-C3A	-3.21	106.25	114.26
27	l	303	CLA	CMB-C2B-C1B	-3.20	123.54	128.46
27	h	301	CLA	O2D-CGD-O1D	-3.20	117.57	123.84
35	b	612	II0	C32-C34-C36	-3.20	117.41	126.42
27	n	603	CLA	CAA-C2A-C3A	-3.20	104.01	112.78
27	B	815	CLA	C1B-CHB-C4A	-3.20	123.77	130.12
27	B	829	CLA	C1B-CHB-C4A	-3.20	123.77	130.12
27	c	608	CLA	CHB-C4A-NA	3.20	128.94	124.51
30	B	845	WVN	C24-C22-C19	3.20	123.12	118.08
27	j	609	CLA	C1B-CHB-C4A	-3.20	123.78	130.12
35	e	613	II0	C06-C08-C12	3.20	114.69	110.30
27	B	806	CLA	CBA-CAA-C2A	3.20	123.31	113.86
27	i	309	CLA	C1B-CHB-C4A	-3.20	123.78	130.12
30	h	309	WVN	C07-C01-C02	3.20	114.39	109.55
27	n	608	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
27	l	307	CLA	CMB-C2B-C3B	3.20	130.66	124.68

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	m	608	CLA	C4A-NA-C1A	3.20	108.14	106.71
27	k	313	CLA	O2D-CGD-O1D	-3.20	117.59	123.84
37	k	312	KC2	C2A-C1A-NA	3.20	114.53	109.40
27	s	203	CLA	O2A-CGA-CBA	3.20	121.94	111.91
27	A	825	CLA	O2D-CGD-O1D	-3.19	117.59	123.84
30	e	615	WVN	C03-C04-C09	-3.19	106.69	112.00
27	K	101	CLA	CHB-C4A-NA	3.19	128.93	124.51
30	A	846	WVN	C39-C40-C37	-3.19	116.94	123.47
35	c	614	II0	C19-C13-C11	3.19	120.27	114.36
30	F	205	WVN	C35-C32-C31	3.19	123.11	118.08
27	l	309	CLA	C1B-CHB-C4A	-3.19	123.80	130.12
29	A	850	LHG	C5-O7-C7	-3.19	109.94	117.79
30	l	316	WVN	C04-C09-C05	-3.19	121.79	124.85
36	a	317	IHT	C29-C31-C34	-3.19	113.26	123.22
36	c	620	IHT	C30-C27-C23	-3.19	122.76	127.31
27	g	306	CLA	CAC-C3C-C4C	3.19	128.95	124.81
27	A	826	CLA	CHB-C4A-NA	3.19	128.92	124.51
27	e	605	CLA	CHB-C4A-NA	3.19	128.92	124.51
27	B	826	CLA	CHD-C1D-ND	-3.19	121.52	124.45
27	j	605	CLA	CAA-C2A-C1A	3.19	122.42	111.97
27	n	602	CLA	CHB-C4A-NA	3.19	128.92	124.51
27	B	840	CLA	C7-C6-C5	-3.19	104.70	113.36
27	g	302	CLA	C2A-C1A-CHA	3.19	129.43	123.86
27	A	841	CLA	C1B-CHB-C4A	-3.18	123.81	130.12
27	c	611	CLA	C1B-CHB-C4A	-3.18	123.81	130.12
37	e	609	KC2	CBC-CAC-C3C	-3.18	111.79	127.62
27	b	604	CLA	C1B-CHB-C4A	-3.18	123.81	130.12
27	l	312	CLA	CHD-C1D-ND	-3.18	121.53	124.45
27	A	856	CLA	CMB-C2B-C3B	3.18	130.63	124.68
36	m	616	IHT	C20-C15-C11	-3.18	120.03	124.35
36	c	620	IHT	C31-C34-C35	-3.18	117.48	126.42
30	L	205	WVN	C04-C09-C05	-3.18	121.80	124.85
35	d	313	II0	C41-C39-C35	-3.18	122.77	127.31
27	i	303	CLA	C1-C2-C3	-3.18	121.61	126.75
30	s	207	WVN	C02-C05-C09	-3.18	117.55	121.47
27	b	606	CLA	C1B-CHB-C4A	-3.18	123.82	130.12
27	g	311	CLA	CHB-C4A-NA	3.18	128.91	124.51
27	h	301	CLA	C1B-CHB-C4A	-3.18	123.82	130.12
37	n	611	KC2	CHB-C4A-NA	3.18	129.21	124.20
37	i	317	KC2	O2D-CGD-CBD	3.18	116.92	111.27
30	B	843	WVN	C24-C22-C26	-3.18	118.47	122.92
35	d	313	II0	C42-C40-C36	-3.18	122.78	127.31

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	j	602	CLA	C1B-CHB-C4A	-3.18	123.83	130.12
27	g	307	CLA	O2D-CGD-O1D	-3.18	117.63	123.84
37	c	610	KC2	C2A-C1A-NA	3.18	114.50	109.40
27	a	310	CLA	C1B-CHB-C4A	-3.18	123.83	130.12
34	L	208	LMG	C1-C2-C3	3.18	116.61	110.00
35	f	616	II0	C20-C14-C12	3.17	120.24	114.36
27	B	838	CLA	CMB-C2B-C1B	-3.17	123.58	128.46
27	B	835	CLA	C1B-CHB-C4A	-3.17	123.83	130.12
27	n	605	CLA	C2A-C1A-CHA	3.17	129.41	123.86
35	f	618	II0	C11-C13-C09	-3.17	113.37	120.57
27	A	807	CLA	CHB-C4A-NA	3.17	128.90	124.51
27	A	818	CLA	CMC-C2C-C3C	3.17	134.73	126.12
37	g	313	KC2	C3B-C2B-C1B	-3.17	104.05	107.08
30	B	845	WVN	C39-C36-C32	-3.17	122.79	127.31
27	B	837	CLA	C1B-CHB-C4A	-3.17	123.84	130.12
35	k	316	II0	C42-C40-C36	-3.17	122.79	127.31
27	B	827	CLA	CHD-C1D-ND	-3.17	121.54	124.45
37	n	612	KC2	C3B-C2B-C1B	-3.17	104.05	107.08
27	A	822	CLA	O2A-CGA-O1A	-3.17	115.60	123.59
27	c	605	CLA	C1B-CHB-C4A	-3.16	123.85	130.12
27	A	853	CLA	CMB-C2B-C3B	3.16	130.60	124.68
27	g	307	CLA	C1B-CHB-C4A	-3.16	123.85	130.12
27	c	608	CLA	C1B-CHB-C4A	-3.16	123.85	130.12
36	b	614	IHT	C29-C31-C34	-3.16	113.35	123.22
37	g	314	KC2	C3B-C2B-C1B	-3.16	104.06	107.08
30	B	847	WVN	C30-C33-C34	-3.16	117.54	126.42
35	c	617	II0	C31-C29-C25	-3.16	117.40	126.58
30	l	301	WVN	C30-C33-C34	-3.16	117.54	126.42
35	c	615	II0	C20-C14-C12	3.16	120.21	114.36
36	m	616	IHT	C22-C18-C07	-3.16	118.33	127.20
27	s	202	CLA	C1B-CHB-C4A	-3.16	123.86	130.12
35	f	614	II0	C16-C03-C09	-3.16	105.45	110.47
30	J	101	WVN	C26-C29-C31	-3.16	113.36	123.22
27	j	605	CLA	CHB-C4A-NA	3.16	128.88	124.51
30	J	102	WVN	C31-C32-C36	3.16	123.78	118.94
37	l	311	KC2	C3B-C2B-C1B	-3.15	104.06	107.08
27	B	833	CLA	CHB-C4A-NA	3.15	128.87	124.51
35	l	317	II0	O02-C08-C06	-3.15	103.54	109.80
27	k	304	CLA	CMC-C2C-C3C	3.15	134.68	126.12
30	s	205	WVN	C03-C04-C09	-3.15	106.76	112.00
27	A	814	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
27	b	606	CLA	O2D-CGD-O1D	-3.15	117.67	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	j	607	CLA	C1B-CHB-C4A	-3.15	123.87	130.12
27	n	606	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
27	e	605	CLA	C1B-CHB-C4A	-3.15	123.88	130.12
35	m	614	II0	C38-C36-C34	3.15	123.04	118.08
36	c	620	IHT	C40-C41-C38	-3.15	117.02	123.47
35	e	612	II0	C20-C14-C10	-3.15	120.07	124.35
35	k	318	II0	C04-C10-C14	-3.15	118.19	122.63
27	b	601	CLA	O2D-CGD-CBD	3.15	116.86	111.27
27	A	801	CLA	C1B-CHB-C4A	-3.15	123.88	130.12
27	B	825	CLA	C2D-C1D-ND	-3.15	107.79	110.10
35	e	616	II0	C42-C40-C36	-3.14	122.82	127.31
27	a	308	CLA	C1B-CHB-C4A	-3.14	123.89	130.12
27	B	822	CLA	O2D-CGD-O1D	-3.14	117.69	123.84
30	B	845	WVN	C31-C32-C36	-3.14	114.12	118.94
35	d	312	II0	C19-C13-C09	-3.14	120.08	124.35
27	a	303	CLA	C1-C2-C3	-3.14	120.61	126.04
27	m	612	CLA	CBC-CAC-C3C	3.14	121.09	112.43
35	e	614	II0	C19-C13-C09	-3.14	120.08	124.35
35	c	613	II0	C04-C10-C14	-3.14	118.20	122.63
27	B	810	CLA	CHB-C4A-NA	3.14	128.85	124.51
35	b	612	II0	C32-C30-C26	-3.14	117.46	126.58
30	l	316	WVN	C10-C12-C14	-3.14	104.36	111.38
35	j	613	II0	C32-C30-C26	-3.14	117.47	126.58
30	R	202	WVN	C17-C06-C13	-3.14	105.21	110.30
37	k	310	KC2	C3B-C2B-C1B	-3.14	104.08	107.08
35	g	316	II0	C31-C29-C25	-3.14	117.47	126.58
37	k	312	KC2	CHB-C4A-NA	3.14	129.15	124.20
27	c	602	CLA	CHB-C4A-NA	3.14	128.85	124.51
35	n	614	II0	C06-C08-C12	3.13	114.59	110.30
27	c	601	CLA	C1B-CHB-C4A	-3.13	123.91	130.12
30	O	201	WVN	C06-C13-C20	3.13	124.64	115.78
27	l	307	CLA	CMC-C2C-C1C	-3.13	120.27	125.04
27	f	606	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
35	c	617	II0	C41-C39-C35	-3.13	122.84	127.31
27	h	308	CLA	C1B-CHB-C4A	-3.13	123.92	130.12
27	A	840	CLA	CHB-C4A-NA	3.13	128.84	124.51
30	s	207	WVN	C21-C15-C13	-3.13	121.01	124.53
35	d	313	II0	C06-C04-C10	3.13	115.96	109.62
37	f	611	KC2	CHB-C4A-NA	3.13	129.13	124.20
35	b	612	II0	C29-C31-C33	-3.13	113.45	123.22
27	A	830	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
37	e	609	KC2	O2D-CGD-CBD	3.13	116.82	111.27

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	e	612	II0	C20-C14-C12	3.13	120.15	114.36
27	f	608	CLA	C1B-CHB-C4A	-3.13	123.93	130.12
27	i	307	CLA	C4A-NA-C1A	3.13	108.11	106.71
27	A	852	CLA	C1B-CHB-C4A	-3.12	123.93	130.12
27	n	603	CLA	O2D-CGD-O1D	-3.12	117.73	123.84
27	B	830	CLA	CHB-C4A-NA	3.12	128.83	124.51
37	g	313	KC2	C2A-C1A-NA	3.12	114.41	109.40
27	m	603	CLA	CHB-C4A-NA	3.12	128.83	124.51
27	B	804	CLA	O2D-CGD-O1D	-3.12	117.74	123.84
34	c	619	LMG	C9-C8-C7	-3.12	104.41	111.79
30	F	204	WVN	C39-C36-C32	-3.12	122.86	127.31
27	B	801	CLA	C1-C2-C3	-3.12	120.65	126.04
37	j	610	KC2	CHB-C4A-NA	3.12	129.12	124.20
35	l	317	II0	C31-C29-C25	-3.12	117.53	126.58
30	A	848	WVN	C21-C15-C13	-3.12	121.03	124.53
35	a	314	II0	C30-C32-C34	-3.12	113.49	123.22
37	d	310	KC2	O2D-CGD-O1D	-3.12	117.75	123.84
37	m	610	KC2	C3B-C2B-C1B	-3.11	104.10	107.08
37	k	311	KC2	C2B-C1B-NB	3.11	112.40	110.10
27	g	303	CLA	CHB-C4A-NA	3.11	128.82	124.51
37	l	311	KC2	CHB-C4A-NA	3.11	129.11	124.20
27	f	606	CLA	CHB-C4A-NA	3.11	128.82	124.51
27	h	308	CLA	CMB-C2B-C3B	3.11	130.50	124.68
35	i	314	II0	C06-C08-C12	3.11	114.56	110.30
27	A	838	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
27	e	601	CLA	C2A-C1A-CHA	3.11	129.30	123.86
37	g	313	KC2	O2D-CGD-CBD	3.11	116.79	111.27
27	b	601	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
35	c	615	II0	C19-C13-C11	3.11	120.11	114.36
27	B	834	CLA	C1B-CHB-C4A	-3.10	123.97	130.12
30	A	849	WVN	C04-C09-C05	-3.10	121.87	124.85
27	d	303	CLA	CHB-C4A-NA	3.10	128.80	124.51
27	d	306	CLA	CMB-C2B-C3B	3.10	130.49	124.68
27	i	308	CLA	CAA-CBA-CGA	3.10	122.32	113.25
27	B	813	CLA	O2D-CGD-CBD	3.10	116.78	111.27
36	k	317	IHT	C19-C10-C09	3.10	119.57	113.62
34	b	619	LMG	C4-C3-C2	3.10	116.24	110.82
35	h	312	II0	C31-C29-C25	-3.10	117.58	126.58
27	d	303	CLA	CMB-C2B-C3B	3.10	130.48	124.68
35	e	616	II0	C32-C34-C36	-3.10	117.71	126.42
31	A	851	LMT	C3B-C4B-C5B	-3.10	104.71	110.24
37	g	314	KC2	CHB-C4A-NA	3.10	129.08	124.20

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	f	615	II0	C34-C36-C40	-3.10	114.19	118.94
35	f	614	II0	C32-C34-C36	-3.10	117.72	126.42
27	i	312	CLA	CAA-C2A-C3A	-3.10	104.30	112.78
27	A	853	CLA	C1B-CHB-C4A	-3.10	123.98	130.12
27	B	801	CLA	O2D-CGD-O1D	-3.10	117.79	123.84
27	g	306	CLA	CMB-C2B-C3B	3.10	130.47	124.68
37	n	611	KC2	C3D-CAD-CBD	-3.09	103.53	107.61
31	a	320	LMT	C1'-O5'-C5'	3.09	119.76	113.69
30	l	301	WVN	C21-C15-C14	3.09	119.56	113.62
27	k	304	CLA	C2A-C1A-CHA	3.09	129.27	123.86
27	c	602	CLA	O2D-CGD-CBD	3.09	116.76	111.27
27	b	611	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
27	g	302	CLA	O2D-CGD-CBD	3.09	116.76	111.27
27	b	605	CLA	CHB-C4A-NA	3.09	128.79	124.51
36	R	204	IHT	C19-C10-C07	-3.09	121.06	124.53
27	j	604	CLA	CMA-C3A-C2A	-3.09	101.36	113.83
27	L	202	CLA	C1B-CHB-C4A	-3.09	124.00	130.12
27	l	312	CLA	O2D-CGD-O1D	-3.09	117.80	123.84
27	s	203	CLA	CBA-CAA-C2A	-3.09	104.75	113.86
30	l	301	WVN	C39-C40-C37	-3.09	117.15	123.47
37	n	611	KC2	C3B-C2B-C1B	-3.09	104.13	107.08
27	A	818	CLA	C4A-NA-C1A	3.09	108.09	106.71
27	b	602	CLA	C1B-CHB-C4A	-3.09	124.00	130.12
35	i	318	II0	C27-C25-C23	3.09	122.95	116.84
35	l	302	II0	C31-C33-C35	-3.08	117.75	126.42
27	i	312	CLA	C4A-NA-C1A	3.08	108.09	106.71
37	m	610	KC2	CHB-C4A-NA	3.08	129.06	124.20
37	e	609	KC2	O2D-CGD-O1D	-3.08	117.81	123.84
37	k	312	KC2	C3B-C2B-C1B	-3.08	104.13	107.08
27	B	830	CLA	C1B-CHB-C4A	-3.08	124.02	130.12
37	j	610	KC2	O2D-CGD-O1D	-3.08	117.81	123.84
27	a	306	CLA	CBA-CAA-C2A	3.08	122.95	113.86
36	b	614	IHT	C28-C26-C24	3.08	122.94	116.84
30	A	848	WVN	C20-C13-C15	-3.08	114.00	121.46
27	d	304	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
27	B	818	CLA	C1B-CHB-C4A	-3.08	124.02	130.12
35	g	320	II0	C32-C34-C36	-3.08	117.77	126.42
35	e	616	II0	C06-C08-C12	3.08	114.52	110.30
29	J	107	LHG	O7-C7-C8	3.08	118.13	111.50
30	R	202	WVN	C02-C05-C09	-3.08	117.68	121.47
27	B	831	CLA	CAA-C2A-C3A	-3.07	104.36	112.78
35	c	614	II0	C06-C04-C10	3.07	115.84	109.62

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	e	608	CLA	CAA-C2A-C3A	-3.07	104.37	112.78
27	A	809	CLA	CHB-C4A-NA	3.07	128.76	124.51
27	l	309	CLA	C4A-NA-C1A	3.07	108.09	106.71
27	A	803	CLA	O2D-CGD-CBD	3.07	116.72	111.27
30	B	843	WVN	C30-C28-C25	-3.07	122.93	127.31
27	k	309	CLA	CHB-C4A-NA	3.07	128.75	124.51
34	c	619	LMG	C4-C3-C2	3.07	116.18	110.82
27	j	606	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
36	c	620	IHT	C09-C10-C07	-3.07	118.28	122.73
27	g	309	CLA	CMB-C2B-C3B	3.07	130.41	124.68
37	f	611	KC2	CBC-CAC-C3C	-3.07	112.37	127.62
27	b	610	CLA	O1D-CGD-CBD	3.06	130.75	124.48
27	B	815	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
37	g	314	KC2	C2A-C1A-NA	3.06	114.32	109.40
27	A	837	CLA	CHB-C4A-NA	3.06	128.75	124.51
35	c	613	II0	C32-C34-C36	-3.06	117.81	126.42
27	A	834	CLA	C1-C2-C3	-3.06	120.75	126.04
27	L	203	CLA	CMB-C2B-C3B	3.06	130.41	124.68
37	j	610	KC2	C3B-C2B-C1B	-3.06	104.15	107.08
36	c	616	IHT	C30-C32-C33	-3.06	117.81	126.42
35	m	615	II0	C31-C33-C35	-3.06	117.82	126.42
27	A	816	CLA	C4-C3-C5	3.06	120.42	115.27
27	n	603	CLA	CMB-C2B-C3B	3.06	130.40	124.68
27	c	606	CLA	O2D-CGD-CBD	3.06	116.70	111.27
27	B	832	CLA	CHB-C4A-NA	3.06	128.74	124.51
37	f	611	KC2	C3B-C2B-C1B	-3.06	104.15	107.08
27	g	304	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
35	h	311	II0	C30-C32-C34	-3.06	113.68	123.22
27	b	601	CLA	CMB-C2B-C3B	3.06	130.40	124.68
27	A	805	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
27	B	824	CLA	C1B-CHB-C4A	-3.06	124.06	130.12
27	g	302	CLA	CHB-C4A-NA	3.06	128.74	124.51
35	m	615	II0	C04-C10-C14	-3.06	118.32	122.63
35	h	310	II0	C05-C07-C11	3.05	114.48	110.30
27	d	305	CLA	CHB-C4A-NA	3.05	128.74	124.51
27	A	803	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
27	A	829	CLA	C1B-CHB-C4A	-3.05	124.07	130.12
35	e	614	II0	C28-C26-C24	3.05	122.89	116.84
27	a	307	CLA	CMB-C2B-C3B	3.05	130.39	124.68
27	j	606	CLA	C3A-C2A-C1A	3.05	105.91	101.34
27	l	307	CLA	CBA-CAA-C2A	3.05	122.87	113.86
27	j	603	CLA	CHB-C4A-NA	3.05	128.73	124.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	d	310	KC2	O2D-CGD-CBD	3.05	116.69	111.27
30	s	205	WVN	C02-C05-C09	-3.05	117.72	121.47
27	c	601	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
35	d	312	II0	O02-C08-C06	-3.05	103.74	109.80
35	g	317	II0	C41-C42-C40	-3.05	117.23	123.47
27	k	309	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
35	l	314	II0	C06-C04-C10	3.05	115.80	109.62
35	n	616	II0	C19-C13-C09	-3.05	120.21	124.35
27	a	311	CLA	C1B-CHB-C4A	-3.05	124.08	130.12
27	l	308	CLA	C1B-CHB-C4A	-3.05	124.08	130.12
36	f	617	IHT	C20-C15-C12	3.04	120.00	114.36
36	b	614	IHT	C19-C10-C09	3.04	119.46	113.62
30	I	101	WVN	C28-C30-C33	-3.04	113.72	123.22
30	l	316	WVN	C14-C15-C13	-3.04	118.31	122.73
27	A	833	CLA	CHD-C1D-ND	-3.04	121.66	124.45
30	l	316	WVN	C20-C23-C25	-3.04	121.64	126.23
27	K	102	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
35	c	615	II0	C15-C03-C09	-3.04	105.64	110.47
35	d	313	II0	C19-C13-C11	3.04	119.99	114.36
27	h	303	CLA	CHB-C4A-NA	3.04	128.72	124.51
27	d	311	CLA	CHB-C4A-NA	3.04	128.71	124.51
27	A	855	CLA	O2A-CGA-O1A	-3.04	115.92	123.59
27	l	312	CLA	C1B-CHB-C4A	-3.04	124.10	130.12
27	h	301	CLA	O2D-CGD-CBD	3.04	116.66	111.27
27	A	823	CLA	O2A-CGA-O1A	-3.03	115.93	123.59
35	f	614	II0	C31-C33-C35	-3.03	117.89	126.42
27	h	313	CLA	O2D-CGD-CBD	3.03	116.66	111.27
36	b	614	IHT	C31-C34-C35	-3.03	117.90	126.42
27	d	306	CLA	CHB-C4A-NA	3.03	128.70	124.51
27	i	302	CLA	C1B-CHB-C4A	-3.03	124.11	130.12
27	c	608	CLA	CAA-CBA-CGA	-3.03	104.40	113.25
35	c	615	II0	C27-C25-C23	3.03	122.84	116.84
27	B	818	CLA	C2D-C1D-ND	-3.03	107.87	110.10
27	K	101	CLA	CMB-C2B-C3B	3.03	130.35	124.68
35	g	317	II0	C32-C34-C36	-3.03	117.91	126.42
27	B	826	CLA	CMB-C2B-C3B	3.03	130.34	124.68
27	b	607	CLA	CMC-C2C-C3C	3.03	134.34	126.12
27	F	203	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
30	l	301	WVN	C26-C29-C31	-3.03	113.77	123.22
37	g	312	KC2	C3B-C2B-C1B	-3.02	104.19	107.08
35	e	613	II0	C19-C13-C11	3.02	119.96	114.36
37	d	309	KC2	C3B-C2B-C1B	-3.02	104.19	107.08

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	h	313	CLA	CHB-C4A-NA	3.02	128.69	124.51
27	a	307	CLA	C1B-CHB-C4A	-3.02	124.13	130.12
27	s	206	CLA	CGD-CBD-CAD	-3.02	100.95	110.73
27	A	832	CLA	C6-C7-C8	-3.02	106.16	115.92
35	k	318	II0	C28-C26-C24	3.02	122.82	116.84
27	m	607	CLA	CHB-C4A-NA	3.02	128.69	124.51
27	n	602	CLA	C1B-CHB-C4A	-3.02	124.14	130.12
36	c	620	IHT	C36-C33-C32	3.02	122.83	118.08
27	A	825	CLA	O2D-CGD-CBD	3.02	116.63	111.27
30	l	316	WVN	C40-C37-C34	-3.02	123.00	127.31
27	A	810	CLA	C1B-CHB-C4A	-3.02	124.14	130.12
27	m	606	CLA	CMB-C2B-C3B	3.02	130.32	124.68
27	e	605	CLA	CMB-C2B-C3B	3.02	130.32	124.68
27	k	302	CLA	O2D-CGD-O1D	-3.01	117.94	123.84
27	m	604	CLA	CMA-C3A-C2A	-3.01	101.67	113.83
35	f	614	II0	C41-C42-C40	-3.01	117.30	123.47
27	k	307	CLA	O2A-CGA-O1A	-3.01	115.99	123.59
27	J	103	CLA	C1B-CHB-C4A	-3.01	124.15	130.12
28	A	843	PQN	C14-C13-C15	3.01	120.34	115.27
27	n	608	CLA	C1B-CHB-C4A	-3.01	124.15	130.12
35	j	613	II0	C32-C34-C36	-3.01	117.96	126.42
27	m	603	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
37	e	609	KC2	CHB-C4A-NA	3.01	128.95	124.20
37	n	612	KC2	CHB-C4A-NA	3.01	128.95	124.20
35	f	616	II0	C12-C14-C10	-3.01	113.74	120.57
27	h	302	CLA	C1B-CHB-C4A	-3.01	124.16	130.12
35	e	614	II0	C05-C03-C09	3.01	115.72	109.62
35	d	313	II0	C16-C03-C09	-3.01	105.69	110.47
30	R	201	WVN	C07-C01-C02	3.01	114.10	109.55
27	f	607	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
30	R	201	WVN	C40-C37-C34	-3.01	123.02	127.31
27	n	608	CLA	CMB-C2B-C3B	3.01	130.30	124.68
37	c	610	KC2	C3B-C2B-C1B	-3.00	104.21	107.08
35	n	614	II0	C06-C04-C10	3.00	115.71	109.62
35	i	313	II0	C42-C41-C39	-3.00	117.32	123.47
30	J	102	WVN	C29-C31-C32	-3.00	117.98	126.42
36	n	617	IHT	C19-C10-C09	3.00	119.38	113.62
27	j	603	CLA	C1B-CHB-C4A	-3.00	124.17	130.12
37	g	312	KC2	CBD-CHA-C1A	3.00	134.48	128.88
27	A	832	CLA	CMC-C2C-C3C	3.00	134.26	126.12
27	A	855	CLA	C4-C3-C5	3.00	120.32	115.27
27	g	311	CLA	C1B-CHB-C4A	-3.00	124.18	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	835	CLA	C1B-CHB-C4A	-3.00	124.18	130.12
35	d	312	II0	C05-C07-C11	3.00	114.41	110.30
27	g	308	CLA	CMC-C2C-C1C	-3.00	120.48	125.04
27	d	305	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
35	l	313	II0	C31-C33-C35	-2.99	118.00	126.42
30	B	846	WVN	C40-C39-C36	-2.99	117.34	123.47
27	A	837	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
35	n	616	II0	C42-C41-C39	-2.99	117.34	123.47
37	i	310	KC2	C3B-C2B-C1B	-2.99	104.22	107.08
27	L	206	CLA	C1B-CHB-C4A	-2.99	124.19	130.12
37	m	610	KC2	O2D-CGD-CBD	2.99	116.58	111.27
27	A	837	CLA	C1B-CHB-C4A	-2.99	124.19	130.12
27	n	605	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
27	A	839	CLA	C1B-CHB-C4A	-2.99	124.19	130.12
27	g	322	CLA	CMB-C2B-C3B	2.99	130.27	124.68
37	g	314	KC2	O2D-CGD-O1D	-2.99	117.99	123.84
27	f	601	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
27	j	604	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
29	b	617	LHG	O7-C7-O9	-2.99	116.48	123.70
27	A	836	CLA	C11-C12-C13	-2.99	106.27	115.92
30	B	844	WVN	C40-C39-C36	-2.99	117.36	123.47
27	a	304	CLA	C1B-CHB-C4A	-2.98	124.21	130.12
36	a	317	IHT	C19-C10-C07	-2.98	121.18	124.53
27	k	303	CLA	O2A-CGA-O1A	-2.98	116.07	123.59
35	d	313	II0	C05-C03-C09	2.98	115.66	109.62
27	e	611	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
27	B	826	CLA	C1B-CHB-C4A	-2.98	124.22	130.12
27	b	608	CLA	CHB-C4A-NA	2.98	128.63	124.51
30	A	847	WVN	C30-C33-C34	-2.98	118.05	126.42
30	l	301	WVN	C14-C15-C13	-2.98	118.41	122.73
35	f	615	II0	C41-C42-C40	-2.98	117.38	123.47
27	k	307	CLA	CMB-C2B-C1B	-2.98	123.89	128.46
35	e	616	II0	C03-C09-C13	-2.98	118.43	122.63
29	a	319	LHG	O8-C23-C24	2.98	121.25	111.91
27	A	806	CLA	C1B-CHB-C4A	-2.98	124.22	130.12
29	g	321	LHG	O8-C23-C24	2.98	121.25	111.91
27	B	822	CLA	C1B-CHB-C4A	-2.97	124.23	130.12
30	K	103	WVN	C30-C33-C34	-2.97	118.06	126.42
30	B	848	WVN	C29-C26-C22	-2.97	123.06	127.31
35	m	615	II0	C42-C41-C39	-2.97	117.38	123.47
30	B	848	WVN	C12-C14-C15	-2.97	108.77	114.08
30	F	204	WVN	C18-C06-C17	-2.97	99.40	108.53

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	i	303	CLA	CMD-C2D-C1D	2.97	129.96	124.71
37	d	309	KC2	CHB-C4A-NA	2.97	128.89	124.20
27	l	304	CLA	CMB-C2B-C3B	2.97	130.24	124.68
27	B	822	CLA	CHB-C4A-NA	2.97	128.62	124.51
27	f	613	CLA	C1B-CHB-C4A	-2.97	124.23	130.12
29	b	617	LHG	O7-C7-C8	2.97	117.91	111.50
27	f	606	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
30	s	205	WVN	C23-C20-C13	-2.97	118.85	127.20
27	A	811	CLA	CHB-C4A-NA	2.97	128.62	124.51
30	h	309	WVN	C03-C04-C09	-2.97	107.07	112.00
37	d	310	KC2	C3B-C2B-C1B	-2.97	104.24	107.08
30	F	205	WVN	C20-C13-C15	-2.97	114.27	121.46
35	a	316	II0	C05-C03-C09	2.97	115.64	109.62
27	a	311	CLA	CHB-C4A-NA	2.97	128.62	124.51
35	k	315	II0	C28-C26-C24	2.97	122.72	116.84
27	B	812	CLA	C1-C2-C3	-2.97	120.91	126.04
27	a	308	CLA	O2D-CGD-O1D	-2.97	118.04	123.84
27	s	202	CLA	CAA-C2A-C3A	-2.97	104.66	112.78
27	c	602	CLA	CAA-CBA-CGA	-2.97	104.59	113.25
37	g	313	KC2	C2B-C1B-NB	2.96	112.29	110.10
36	O	204	IHT	C20-C15-C11	-2.96	120.32	124.35
27	B	801	CLA	C1B-CHB-C4A	-2.96	124.25	130.12
27	k	303	CLA	C4A-NA-C1A	2.96	108.04	106.71
37	l	311	KC2	CBC-CAC-C3C	-2.96	112.88	127.62
37	k	310	KC2	CHB-C4A-NA	2.96	128.87	124.20
35	d	314	II0	C32-C34-C36	-2.96	118.10	126.42
30	B	845	WVN	C10-C06-C13	2.96	115.04	110.48
27	j	607	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
27	s	209	CLA	C1B-CHB-C4A	-2.96	124.25	130.12
27	R	203	CLA	C1B-CHB-C4A	-2.96	124.26	130.12
35	l	314	II0	C06-C08-C12	2.96	114.35	110.30
35	n	614	II0	C32-C34-C36	-2.96	118.11	126.42
37	g	312	KC2	C2A-C1A-NA	2.96	114.14	109.40
35	b	615	II0	C28-C26-C24	2.96	122.69	116.84
27	A	839	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
27	B	833	CLA	C2A-C1A-CHA	2.96	129.03	123.86
27	g	310	CLA	C4A-NA-C1A	2.96	108.03	106.71
35	c	613	II0	C38-C36-C34	2.96	122.73	118.08
35	m	614	II0	C06-C08-C12	2.96	114.35	110.30
35	a	315	II0	C32-C34-C36	-2.96	118.11	126.42
30	A	847	WVN	C17-C06-C13	2.96	115.09	110.30
27	l	307	CLA	O2D-CGD-O1D	-2.96	118.06	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	J	101	WVN	C21-C15-C13	-2.95	121.21	124.53
27	l	307	CLA	O2D-CGD-CBD	2.95	116.52	111.27
27	k	304	CLA	CHD-C1D-ND	-2.95	121.74	124.45
27	B	819	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
27	m	612	CLA	C4A-NA-C1A	2.95	108.03	106.71
27	e	604	CLA	C1B-CHB-C4A	-2.95	124.27	130.12
27	e	608	CLA	CHB-C4A-NA	2.95	128.60	124.51
27	d	311	CLA	C2A-C1A-CHA	2.95	129.02	123.86
35	l	313	II0	C38-C36-C34	2.95	122.73	118.08
27	A	842	CLA	O2A-CGA-O1A	-2.95	116.14	123.59
27	j	603	CLA	CAA-C2A-C3A	-2.95	104.69	112.78
36	k	317	IHT	C12-C15-C11	-2.95	113.87	120.57
35	f	614	II0	C03-C09-C13	-2.95	118.47	122.63
27	b	610	CLA	CMB-C2B-C1B	-2.95	123.93	128.46
35	k	318	II0	C19-C13-C09	-2.95	120.34	124.35
27	a	303	CLA	C2D-C1D-ND	-2.95	107.93	110.10
35	g	320	II0	C19-C13-C11	2.95	119.82	114.36
27	e	610	CLA	C1B-CHB-C4A	-2.95	124.28	130.12
27	B	821	CLA	C1B-CHB-C4A	-2.95	124.28	130.12
27	e	607	CLA	CMB-C2B-C1B	-2.95	123.94	128.46
35	a	318	II0	C05-C03-C09	2.95	115.59	109.62
30	i	315	WVN	C20-C23-C25	-2.95	121.78	126.23
30	F	205	WVN	C28-C30-C33	2.95	132.41	123.22
27	b	606	CLA	CMB-C2B-C1B	-2.94	123.94	128.46
27	j	609	CLA	CMC-C2C-C3C	2.94	134.11	126.12
27	i	304	CLA	CHB-C4A-NA	2.94	128.58	124.51
30	M	101	WVN	C39-C40-C37	-2.94	117.44	123.47
27	j	604	CLA	C1-C2-C3	-2.94	120.95	126.04
27	B	816	CLA	C1B-CHB-C4A	-2.94	124.29	130.12
27	A	828	CLA	C1-C2-C3	-2.94	120.95	126.04
27	A	836	CLA	CHB-C4A-NA	2.94	128.58	124.51
35	h	310	II0	C15-C03-C09	-2.94	105.79	110.47
35	i	314	II0	C12-C14-C10	-2.94	113.89	120.57
27	f	602	CLA	CMB-C2B-C3B	2.94	130.18	124.68
27	A	816	CLA	C1B-CHB-C4A	-2.94	124.29	130.12
35	l	314	II0	C17-C04-C10	-2.94	105.80	110.47
30	B	848	WVN	C26-C29-C31	-2.94	114.04	123.22
27	a	312	CLA	CMB-C2B-C3B	2.94	130.18	124.68
27	c	612	CLA	CHD-C1D-ND	-2.94	121.75	124.45
37	k	310	KC2	C3D-CAD-CBD	-2.94	103.74	107.61
37	i	317	KC2	CHB-C1B-C2B	-2.94	119.32	125.48
36	n	617	IHT	C18-C22-C23	-2.94	121.80	126.23

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	I	101	WVN	C30-C28-C25	-2.93	123.12	127.31
35	d	314	II0	C32-C30-C26	-2.93	118.06	126.58
36	c	620	IHT	C22-C18-C07	-2.93	118.96	127.20
36	k	317	IHT	C41-C40-C37	-2.93	117.46	123.47
27	B	814	CLA	CMB-C2B-C3B	2.93	130.17	124.68
27	m	602	CLA	CAC-C3C-C4C	2.93	128.62	124.81
35	m	615	II0	C20-C14-C12	2.93	119.79	114.36
27	B	814	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
35	a	318	II0	C19-C13-C09	-2.93	120.37	124.35
35	n	614	II0	C20-C14-C10	-2.93	120.37	124.35
27	n	605	CLA	C2C-C1C-NC	2.93	112.72	109.97
27	d	307	CLA	C1B-CHB-C4A	-2.93	124.31	130.12
27	A	813	CLA	CHB-C4A-NA	2.93	128.56	124.51
27	A	841	CLA	C4-C3-C5	2.93	120.20	115.27
27	A	811	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
27	B	832	CLA	C16-C15-C13	-2.93	106.45	115.92
36	O	204	IHT	C29-C31-C34	-2.93	114.08	123.22
30	R	201	WVN	C21-C15-C13	2.93	127.82	124.53
35	l	302	II0	C32-C30-C26	-2.93	118.08	126.58
27	A	842	CLA	CAA-CBA-CGA	-2.93	104.70	113.25
35	n	615	II0	C32-C34-C36	-2.93	118.19	126.42
27	a	305	CLA	CAA-C2A-C3A	-2.93	104.76	112.78
27	A	824	CLA	O2D-CGD-O1D	-2.93	118.12	123.84
35	l	315	II0	C31-C29-C25	-2.93	118.09	126.58
27	A	835	CLA	CHB-C4A-NA	2.93	128.56	124.51
27	k	305	CLA	CBA-CAA-C2A	-2.92	105.23	113.86
37	j	610	KC2	CBC-CAC-C3C	-2.92	113.07	127.62
35	g	318	II0	C28-C26-C24	2.92	122.63	116.84
35	c	615	II0	C06-C08-C12	2.92	114.31	110.30
27	K	102	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
34	L	208	LMG	C1-O6-C5	-2.92	107.95	113.69
36	k	317	IHT	C03-C11-C15	-2.92	118.51	122.63
35	m	615	II0	C31-C29-C25	-2.92	118.09	126.58
27	g	308	CLA	CAA-CBA-CGA	-2.92	104.71	113.25
35	h	312	II0	C19-C13-C09	-2.92	120.38	124.35
27	B	803	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
35	f	615	II0	C12-C14-C10	-2.92	113.94	120.57
27	A	805	CLA	C7-C6-C5	-2.92	105.43	113.36
27	e	603	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
27	n	607	CLA	CHB-C4A-NA	2.92	128.55	124.51
27	d	304	CLA	CMB-C2B-C1B	-2.92	123.98	128.46
35	f	616	II0	C31-C33-C35	-2.92	118.22	126.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	b	607	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
27	n	603	CLA	CHB-C4A-NA	2.92	128.55	124.51
35	l	302	II0	C20-C14-C12	2.92	119.76	114.36
37	i	317	KC2	O2D-CGD-O1D	-2.92	118.14	123.84
35	h	311	II0	C11-C13-C09	-2.92	113.95	120.57
35	b	615	II0	C42-C41-C39	-2.91	117.50	123.47
27	m	601	CLA	C1B-CHB-C4A	-2.91	124.35	130.12
36	f	617	IHT	C05-C08-C12	2.91	114.29	110.30
27	B	827	CLA	C1B-CHB-C4A	-2.91	124.35	130.12
27	s	203	CLA	O2D-CGD-CBD	2.91	116.44	111.27
37	k	311	KC2	CBD-CHA-C1A	2.91	134.31	128.88
27	B	820	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
27	A	818	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
35	f	614	II0	C19-C13-C09	-2.91	120.39	124.35
27	k	309	CLA	C1B-CHB-C4A	-2.91	124.36	130.12
37	d	310	KC2	CBC-CAC-C3C	-2.91	113.16	127.62
27	A	802	CLA	CHD-C1D-ND	-2.91	121.78	124.45
27	j	602	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
27	B	804	CLA	O1D-CGD-CBD	2.91	130.43	124.48
30	A	848	WVN	C40-C37-C34	-2.90	123.17	127.31
27	d	304	CLA	CHB-C4A-NA	2.90	128.53	124.51
27	m	609	CLA	CAA-CBA-CGA	-2.90	104.77	113.25
27	s	203	CLA	C1B-CHB-C4A	-2.90	124.37	130.12
27	k	306	CLA	O2A-CGA-O1A	-2.90	116.27	123.59
27	s	208	CLA	O2A-CGA-O1A	-2.90	116.28	123.59
34	L	208	LMG	O7-C10-O9	-2.90	116.70	123.70
30	R	201	WVN	C03-C04-C09	-2.90	107.19	112.00
27	A	830	CLA	O2D-CGD-CBD	2.90	116.42	111.27
27	l	307	CLA	CMC-C2C-C3C	2.90	133.98	126.12
36	O	204	IHT	C19-C10-C09	2.90	119.18	113.62
35	d	314	II0	C38-C36-C40	-2.90	118.86	122.92
37	g	314	KC2	CBD-CHA-C1A	2.90	134.28	128.88
27	i	308	CLA	O2D-CGD-CBD	2.90	116.42	111.27
36	a	317	IHT	C22-C18-C07	-2.90	119.07	127.20
27	e	607	CLA	CMB-C2B-C3B	2.90	130.10	124.68
36	j	616	IHT	C20-C15-C12	2.90	119.72	114.36
29	a	319	LHG	O7-C7-O9	-2.89	116.71	123.70
27	b	602	CLA	CAA-CBA-CGA	-2.89	104.80	113.25
30	s	205	WVN	C01-C02-C11	2.89	116.36	112.70
27	m	603	CLA	CAA-C2A-C3A	-2.89	104.85	112.78
27	A	855	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
27	c	611	CLA	O2D-CGD-O1D	-2.89	118.18	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	a	304	CLA	CHB-C4A-NA	2.89	128.51	124.51
27	O	206	CLA	CHB-C4A-NA	2.89	128.51	124.51
27	A	856	CLA	C2D-C1D-ND	-2.89	107.97	110.10
27	m	611	CLA	C1B-CHB-C4A	-2.89	124.39	130.12
27	j	605	CLA	CMB-C2B-C3B	2.89	130.08	124.68
27	h	304	CLA	CHB-C4A-NA	2.89	128.51	124.51
27	i	302	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
30	B	843	WVN	C26-C29-C31	-2.89	114.21	123.22
35	d	312	II0	C38-C36-C34	2.89	122.63	118.08
27	A	812	CLA	CHB-C4A-NA	2.89	128.50	124.51
27	b	607	CLA	O2D-CGD-O1D	-2.89	118.20	123.84
27	B	834	CLA	CHB-C4A-NA	2.89	128.50	124.51
27	n	613	CLA	O2D-CGD-O1D	-2.89	118.20	123.84
27	B	821	CLA	C4A-NA-C1A	2.88	108.00	106.71
35	f	615	II0	C32-C34-C36	-2.88	118.31	126.42
35	e	616	II0	C27-C25-C23	2.88	122.55	116.84
27	h	307	CLA	CMB-C2B-C3B	2.88	130.07	124.68
30	A	846	WVN	C30-C33-C34	-2.88	118.32	126.42
27	m	603	CLA	C16-C15-C13	-2.88	106.60	115.92
35	f	614	II0	C33-C35-C39	2.88	123.36	118.94
27	l	310	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
28	B	841	PQN	C14-C13-C15	2.88	120.12	115.27
27	d	301	CLA	CAA-CBA-CGA	-2.88	104.84	113.25
35	n	614	II0	C41-C39-C35	-2.88	123.20	127.31
27	n	606	CLA	CMB-C2B-C3B	2.88	130.07	124.68
35	k	316	II0	C19-C13-C09	-2.88	120.44	124.35
27	n	610	CLA	C1B-CHB-C4A	-2.88	124.41	130.12
27	k	305	CLA	CMB-C2B-C3B	2.88	130.06	124.68
27	c	604	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
27	i	303	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
27	a	307	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
35	l	315	II0	C06-C04-C10	2.88	115.45	109.62
27	s	202	CLA	C4A-NA-C1A	2.88	108.00	106.71
35	b	613	II0	C29-C31-C33	-2.88	114.24	123.22
35	h	310	II0	C31-C29-C25	-2.88	118.23	126.58
35	h	311	II0	C27-C25-C23	2.88	122.54	116.84
35	a	315	II0	C05-C03-C09	2.88	115.45	109.62
27	e	602	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
35	J	104	II0	C28-C26-C24	2.88	122.53	116.84
27	j	608	CLA	C4A-NA-C1A	2.88	108.00	106.71
30	J	101	WVN	C39-C40-C37	-2.88	117.58	123.47
27	A	817	CLA	C1B-CHB-C4A	-2.88	124.42	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	s	206	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
31	A	851	LMT	O5B-C5B-C4B	2.87	114.91	109.69
37	k	310	KC2	CBC-CAC-C3C	-2.87	113.32	127.62
27	A	807	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
27	L	203	CLA	O2D-CGD-CBD	2.87	116.37	111.27
27	g	322	CLA	O2D-CGD-CBD	2.87	116.37	111.27
27	A	802	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
35	g	316	II0	C41-C42-C40	-2.87	117.59	123.47
27	A	833	CLA	CMB-C2B-C3B	2.87	130.05	124.68
29	f	619	LHG	O7-C7-C8	2.87	117.69	111.50
30	A	847	WVN	C20-C23-C25	-2.87	121.90	126.23
27	d	307	CLA	CHB-C4A-NA	2.87	128.48	124.51
35	i	318	II0	C03-C09-C13	-2.87	118.58	122.63
27	l	305	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
30	L	201	WVN	C39-C40-C37	-2.87	117.60	123.47
35	i	313	II0	C32-C34-C36	-2.87	118.37	126.42
29	j	617	LHG	O8-C23-C24	2.87	120.90	111.91
27	c	603	CLA	CHB-C4A-NA	2.87	128.47	124.51
36	j	616	IHT	C19-C10-C07	-2.86	121.31	124.53
27	A	835	CLA	CMB-C2B-C1B	-2.86	124.06	128.46
27	A	820	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
27	F	203	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
27	l	308	CLA	C6-C7-C8	-2.86	106.66	115.92
35	n	614	II0	C16-C03-C09	-2.86	105.92	110.47
27	B	839	CLA	CHB-C4A-NA	2.86	128.47	124.51
27	j	611	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
35	h	311	II0	C38-C36-C34	2.86	122.59	118.08
35	f	614	II0	C05-C03-C09	2.86	115.42	109.62
27	J	105	CLA	CAA-C2A-C3A	-2.86	104.94	112.78
34	L	208	LMG	C4-C3-C2	2.86	115.82	110.82
27	m	601	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
35	a	316	II0	C41-C39-C35	-2.86	123.23	127.31
35	i	314	II0	C33-C35-C39	2.86	123.33	118.94
27	B	813	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
30	h	309	WVN	C24-C22-C19	-2.86	113.57	118.08
27	K	102	CLA	CHB-C4A-NA	2.86	128.47	124.51
27	j	609	CLA	C2C-C1C-NC	2.86	112.65	109.97
35	c	614	II0	C16-C03-C09	-2.86	105.92	110.47
37	m	610	KC2	C2B-C1B-NB	2.86	112.21	110.10
27	f	610	CLA	CMB-C2B-C3B	2.86	130.02	124.68
35	l	313	II0	C32-C34-C36	-2.86	118.39	126.42
27	m	609	CLA	CMB-C2B-C1B	-2.86	124.07	128.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	O	201	WVN	C12-C14-C15	-2.86	108.98	114.08
27	B	817	CLA	O2D-CGD-O1D	-2.86	118.26	123.84
27	f	603	CLA	O2D-CGD-O1D	-2.86	118.26	123.84
30	B	847	WVN	C19-C22-C26	-2.85	114.56	118.94
27	B	806	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
35	k	318	II0	C06-C04-C10	2.85	115.40	109.62
27	B	823	CLA	O2D-CGD-CBD	2.85	116.34	111.27
27	B	810	CLA	CAA-C2A-C3A	-2.85	104.97	112.78
27	B	833	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
27	A	852	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
27	b	608	CLA	CHD-C1D-ND	-2.85	121.83	124.45
27	n	605	CLA	CHC-C1C-C2C	-2.85	118.83	126.72
27	B	807	CLA	C1B-CHB-C4A	-2.85	124.47	130.12
35	c	614	II0	C32-C34-C36	-2.85	118.41	126.42
27	k	302	CLA	CHB-C4A-NA	2.85	128.46	124.51
37	n	611	KC2	CBC-CAC-C3C	-2.85	113.44	127.62
30	L	205	WVN	C40-C39-C36	-2.85	117.64	123.47
27	B	808	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
35	a	314	II0	C04-C10-C14	-2.85	118.61	122.63
27	A	808	CLA	CAA-CBA-CGA	-2.85	104.93	113.25
27	k	308	CLA	O2D-CGD-CBD	2.85	116.33	111.27
35	c	613	II0	C29-C31-C33	-2.85	114.33	123.22
27	A	803	CLA	O2A-C1-C2	-2.85	101.15	108.64
27	m	611	CLA	CMC-C2C-C1C	-2.85	120.70	125.04
35	b	612	II0	C19-C13-C09	-2.85	120.48	124.35
27	A	819	CLA	CHB-C4A-NA	2.85	128.45	124.51
27	e	601	CLA	CMB-C2B-C3B	2.85	130.00	124.68
27	A	833	CLA	CHB-C4A-NA	2.85	128.45	124.51
27	B	805	CLA	O2D-CGD-CBD	2.85	116.33	111.27
35	i	314	II0	C31-C33-C35	-2.84	118.43	126.42
27	g	303	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
27	l	303	CLA	C1B-CHB-C4A	-2.84	124.49	130.12
35	e	616	II0	C42-C41-C39	2.84	129.30	123.47
27	s	202	CLA	C1-C2-C3	-2.84	121.13	126.04
27	s	206	CLA	CAA-C2A-C3A	-2.84	105.00	112.78
36	m	616	IHT	C04-C02-C07	2.84	114.86	110.48
30	J	101	WVN	C17-C06-C13	2.84	114.91	110.30
27	A	814	CLA	C1B-CHB-C4A	-2.84	124.49	130.12
27	c	606	CLA	CMB-C2B-C3B	2.84	129.99	124.68
27	A	840	CLA	C5-C3-C2	-2.84	115.37	121.12
27	i	305	CLA	CHB-C4A-NA	2.84	128.43	124.51
35	g	316	II0	C04-C10-C14	-2.84	118.63	122.63

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	f	610	CLA	CBC-CAC-C3C	-2.84	104.61	112.43
27	m	605	CLA	CAA-C2A-C1A	2.84	118.42	112.14
27	A	856	CLA	C2A-C1A-CHA	2.83	128.80	123.85
27	h	305	CLA	CHB-C4A-NA	2.83	128.43	124.51
27	a	303	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
27	A	840	CLA	C1B-CHB-C4A	-2.83	124.50	130.12
27	g	305	CLA	CHB-C4A-NA	2.83	128.43	124.51
35	f	616	II0	C31-C29-C25	-2.83	118.35	126.58
27	k	309	CLA	C4D-C3D-CAD	2.83	111.44	108.10
29	b	618	LHG	C5-O7-C7	-2.83	110.81	117.79
27	l	309	CLA	CHB-C4A-NA	2.83	128.43	124.51
27	n	601	CLA	C1B-CHB-C4A	-2.83	124.51	130.12
27	d	306	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
37	f	611	KC2	CBD-CHA-C1A	2.83	134.16	128.88
27	m	602	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
29	c	618	LHG	O8-C23-C24	2.83	120.79	111.91
27	h	308	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
27	L	206	CLA	CHB-C4A-NA	2.83	128.42	124.51
30	M	101	WVN	C04-C09-C05	-2.83	122.14	124.85
37	s	201	KC2	C1A-C2A-C3A	-2.83	104.87	107.11
30	K	103	WVN	C21-C15-C13	-2.83	121.35	124.53
27	B	812	CLA	CHB-C4A-NA	2.83	128.42	124.51
27	b	606	CLA	C4-C3-C5	2.83	120.02	115.27
27	f	608	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
27	B	829	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
27	B	849	CLA	CHD-C1D-ND	-2.82	121.86	124.45
29	e	617	LHG	O8-C23-C24	2.82	120.77	111.91
35	l	317	II0	C37-C35-C33	2.82	122.53	118.08
35	c	613	II0	C15-C03-C09	-2.82	105.98	110.47
30	e	615	WVN	C21-C15-C13	-2.82	121.36	124.53
27	j	601	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
27	A	821	CLA	CHD-C1D-ND	-2.82	121.86	124.45
27	k	309	CLA	C4D-CHA-C1A	-2.82	117.82	121.25
27	b	604	CLA	O1D-CGD-CBD	2.82	130.25	124.48
27	A	808	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
27	k	309	CLA	CMB-C2B-C3B	2.82	129.95	124.68
27	e	607	CLA	CHB-C4A-NA	2.82	128.41	124.51
27	a	305	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
27	B	832	CLA	C1B-CHB-C4A	-2.82	124.54	130.12
27	k	307	CLA	C1B-CHB-C4A	-2.82	124.54	130.12
27	c	601	CLA	CMD-C2D-C3D	2.82	134.09	127.61
27	g	305	CLA	O2D-CGD-O1D	-2.82	118.33	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	l	311	KC2	C2B-C1B-NB	2.82	112.18	110.10
27	n	601	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
27	d	311	CLA	CHD-C1D-ND	-2.82	121.87	124.45
27	f	605	CLA	CHB-C4A-NA	2.81	128.40	124.51
27	A	836	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
27	f	605	CLA	C2A-C1A-CHA	2.81	128.78	123.86
37	g	314	KC2	CBC-CAC-C3C	-2.81	113.64	127.62
35	k	318	II0	C05-C07-C11	2.81	114.15	110.30
27	s	209	CLA	CHB-C4A-NA	2.81	128.40	124.51
27	A	838	CLA	O2D-CGD-CBD	2.81	116.26	111.27
30	A	849	WVN	C40-C39-C36	-2.81	117.72	123.47
27	k	301	CLA	C1-C2-C3	-2.81	122.21	126.75
35	f	618	II0	C05-C03-C09	2.81	115.31	109.62
27	d	305	CLA	CED-O2D-CGD	2.81	122.29	115.94
27	n	603	CLA	C1B-CHB-C4A	-2.81	124.56	130.12
27	i	303	CLA	CHB-C4A-NA	2.81	128.39	124.51
27	A	834	CLA	CAA-C2A-C3A	-2.81	105.09	112.78
27	m	612	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
30	K	103	WVN	C39-C36-C32	-2.80	123.31	127.31
27	l	305	CLA	CHB-C4A-NA	2.80	128.39	124.51
34	O	205	LMG	C8-O7-C10	-2.80	110.89	117.79
37	e	609	KC2	C3B-C2B-C1B	-2.80	104.40	107.08
35	c	614	II0	C05-C03-C09	2.80	115.30	109.62
30	O	201	WVN	C20-C13-C15	-2.80	114.68	121.46
27	A	832	CLA	CHB-C4A-NA	2.80	128.38	124.51
29	b	617	LHG	C5-O7-C7	-2.80	110.90	117.79
27	f	613	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
27	B	812	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
27	A	855	CLA	C5-C3-C2	2.80	126.78	121.12
35	n	615	II0	C28-C26-C24	2.80	122.38	116.84
27	e	603	CLA	CHB-C4A-NA	2.80	128.38	124.51
27	l	309	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
27	m	609	CLA	CMC-C2C-C1C	-2.80	120.78	125.04
27	A	835	CLA	CAC-C3C-C4C	2.80	128.44	124.81
27	n	610	CLA	CMB-C2B-C3B	2.80	129.91	124.68
27	e	608	CLA	CMB-C2B-C3B	2.80	129.91	124.68
35	f	614	II0	C42-C40-C36	-2.80	123.32	127.31
27	B	830	CLA	O2D-CGD-O1D	-2.79	118.37	123.84
27	d	307	CLA	CAC-C3C-C4C	2.79	128.44	124.81
27	B	817	CLA	CHD-C1D-ND	-2.79	121.89	124.45
27	A	803	CLA	CHB-C4A-NA	2.79	128.38	124.51
27	m	603	CLA	C1B-CHB-C4A	-2.79	124.58	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	m	610	KC2	O2D-CGD-O1D	-2.79	118.38	123.84
27	A	840	CLA	CMB-C2B-C3B	2.79	129.90	124.68
27	B	825	CLA	CAA-CBA-CGA	-2.79	105.09	113.25
35	k	314	II0	C30-C32-C34	-2.79	114.50	123.22
27	n	604	CLA	CBA-CAA-C2A	2.79	122.11	113.86
27	A	823	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
27	B	828	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
36	g	319	IHT	C02-C07-C10	-2.79	118.68	122.61
27	A	856	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
30	J	101	WVN	C03-C04-C09	-2.79	107.36	112.00
27	A	812	CLA	C4-C3-C2	-2.79	116.52	123.68
27	A	810	CLA	CMB-C2B-C3B	2.79	129.90	124.68
27	j	608	CLA	CHD-C1D-ND	-2.79	121.89	124.45
27	f	604	CLA	CHD-C1D-ND	-2.79	121.89	124.45
36	O	204	IHT	C19-C10-C07	-2.79	121.40	124.53
37	s	204	KC2	C3B-C2B-C1B	-2.79	104.41	107.08
36	m	616	IHT	C19-C10-C07	-2.79	121.40	124.53
27	A	813	CLA	C2A-C1A-CHA	2.79	128.73	123.86
27	a	310	CLA	CMB-C2B-C3B	2.79	129.89	124.68
27	L	202	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
36	R	204	IHT	C03-C11-C15	-2.79	118.70	122.63
36	c	620	IHT	C28-C26-C24	2.79	122.36	116.84
27	n	605	CLA	C1B-CHB-C4A	-2.78	124.60	130.12
27	e	601	CLA	CHB-C4A-NA	2.78	128.36	124.51
35	k	316	II0	C31-C29-C25	-2.78	118.50	126.58
27	B	809	CLA	CAC-C3C-C4C	2.78	128.42	124.81
27	J	103	CLA	CHB-C4A-NA	2.78	128.36	124.51
27	d	302	CLA	CHB-C4A-NA	2.78	128.36	124.51
35	i	314	II0	C29-C31-C33	-2.78	114.53	123.22
35	a	315	II0	C11-C13-C09	-2.78	114.26	120.57
27	f	612	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
34	F	206	LMG	O1-C1-C2	2.78	112.65	108.30
36	n	617	IHT	C22-C18-C07	-2.78	119.39	127.20
27	h	304	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
27	l	310	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
37	i	310	KC2	C2A-C1A-NA	2.78	113.86	109.40
30	J	101	WVN	C29-C26-C22	-2.78	123.34	127.31
30	K	103	WVN	C40-C37-C34	-2.78	123.34	127.31
27	a	308	CLA	CAA-C2A-C3A	-2.78	105.17	112.78
30	R	201	WVN	C16-C05-C09	-2.78	112.44	122.33
27	m	602	CLA	CHB-C4A-NA	2.78	128.35	124.51
27	k	302	CLA	C1B-CHB-C4A	-2.78	124.62	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	e	605	CLA	CMD-C2D-C1D	-2.78	119.82	124.71
27	l	303	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
37	f	611	KC2	O2D-CGD-O1D	-2.78	118.41	123.84
27	k	306	CLA	C2C-C1C-NC	2.78	112.57	109.97
36	j	616	IHT	C40-C41-C38	-2.78	117.79	123.47
35	f	615	II0	C05-C03-C09	2.77	115.24	109.62
35	f	615	II0	C16-C03-C09	-2.77	106.06	110.47
35	n	618	II0	C08-C12-C14	2.77	117.38	111.85
27	A	811	CLA	O2A-CGA-O1A	-2.77	116.59	123.59
27	B	807	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
27	B	801	CLA	CMB-C2B-C1B	-2.77	124.20	128.46
27	A	819	CLA	CMC-C2C-C3C	2.77	133.64	126.12
30	s	205	WVN	C21-C15-C14	2.77	118.94	113.62
27	b	601	CLA	CBC-CAC-C3C	-2.77	104.79	112.43
30	B	843	WVN	C23-C20-C13	-2.77	119.42	127.20
37	s	204	KC2	O2D-CGD-O1D	-2.77	118.42	123.84
27	s	208	CLA	CHD-C1D-ND	-2.77	121.91	124.45
27	j	612	CLA	C4A-NA-C1A	2.77	107.95	106.71
27	b	607	CLA	C1C-C2C-C3C	-2.77	104.05	106.96
27	B	839	CLA	CBC-CAC-C3C	2.77	120.06	112.43
27	A	826	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
27	b	601	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
27	A	818	CLA	CHB-C4A-NA	2.77	128.34	124.51
27	B	832	CLA	C4-C3-C5	2.77	119.93	115.27
35	c	615	II0	C42-C41-C39	-2.77	117.81	123.47
27	i	307	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
35	g	320	II0	C15-C03-C09	-2.77	106.07	110.47
30	s	207	WVN	C24-C22-C19	2.77	122.44	118.08
35	k	318	II0	C41-C39-C35	-2.77	123.36	127.31
35	n	618	II0	C41-C42-C40	-2.77	117.81	123.47
27	s	206	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
29	A	845	LHG	O8-C23-O10	-2.77	116.61	123.59
35	m	614	II0	C06-C04-C10	2.77	115.23	109.62
29	a	301	LHG	O8-C23-O10	-2.77	116.61	123.59
27	B	831	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
27	b	606	CLA	O2A-CGA-O1A	-2.77	116.61	123.59
27	e	605	CLA	CMD-C2D-C3D	2.77	133.98	127.61
27	A	811	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
37	i	310	KC2	O2D-CGD-O1D	-2.77	118.43	123.84
27	k	301	CLA	CHB-C4A-NA	2.77	128.34	124.51
35	k	315	II0	C29-C31-C33	-2.77	114.59	123.22
27	c	612	CLA	O2D-CGD-O1D	-2.77	118.43	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	826	CLA	C1B-CHB-C4A	-2.76	124.64	130.12
30	s	207	WVN	C07-C01-C02	2.76	113.73	109.55
27	i	308	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
35	a	316	II0	C20-C14-C12	2.76	119.47	114.36
27	B	810	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
35	j	615	II0	C30-C32-C34	-2.76	114.60	123.22
27	B	834	CLA	C2D-C1D-ND	-2.76	108.07	110.10
35	h	312	II0	C32-C34-C36	-2.76	118.66	126.42
27	B	849	CLA	CMB-C2B-C3B	2.76	129.84	124.68
35	b	615	II0	C31-C29-C25	-2.76	118.57	126.58
35	k	315	II0	C32-C30-C26	-2.76	118.57	126.58
35	b	612	II0	C05-C03-C09	2.76	115.21	109.62
27	g	315	CLA	CHB-C4A-NA	2.76	128.33	124.51
27	L	203	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
36	R	204	IHT	C30-C32-C33	-2.76	118.67	126.42
37	i	317	KC2	CHB-C4A-C3A	-2.76	120.67	124.98
27	h	301	CLA	O2A-C1-C2	2.76	115.88	108.64
27	b	605	CLA	O2D-CGD-O1D	-2.76	118.45	123.84
35	c	617	II0	C31-C33-C35	-2.76	118.67	126.42
30	B	846	WVN	C27-C25-C28	2.76	126.78	122.92
27	A	819	CLA	C1C-C2C-C3C	-2.76	104.06	106.96
36	k	317	IHT	C20-C15-C11	-2.76	120.61	124.35
27	B	826	CLA	CHB-C4A-NA	2.76	128.32	124.51
27	A	855	CLA	C1-O2A-CGA	2.75	123.67	116.44
27	f	605	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
35	m	614	II0	C41-C42-C40	-2.75	117.83	123.47
29	m	617	LHG	O8-C23-C24	2.75	120.55	111.91
27	n	604	CLA	O2A-CGA-O1A	-2.75	116.64	123.59
27	n	609	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
30	J	102	WVN	C03-C04-C09	-2.75	107.43	112.00
27	A	805	CLA	CHB-C4A-NA	2.75	128.32	124.51
27	f	607	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
27	i	302	CLA	CHB-C4A-NA	2.75	128.32	124.51
27	a	304	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
35	g	318	II0	C05-C03-C09	2.75	115.19	109.62
27	A	838	CLA	CHB-C4A-NA	2.75	128.31	124.51
36	g	319	IHT	C27-C30-C32	-2.75	114.64	123.22
35	a	315	II0	C41-C42-C40	-2.75	117.84	123.47
27	A	807	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
27	A	835	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
35	c	614	II0	C31-C33-C35	-2.75	118.70	126.42
35	O	203	II0	C04-C10-C14	-2.75	118.76	122.63

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	i	303	CLA	CAA-CBA-CGA	-2.74	105.23	113.25
29	g	301	LHG	O9-C7-C8	-2.74	113.02	123.73
29	b	617	LHG	O3-P-O5	-2.74	98.34	109.07
27	a	310	CLA	CHB-C4A-NA	2.74	128.31	124.51
27	b	611	CLA	CMB-C2B-C1B	-2.74	124.25	128.46
27	n	609	CLA	CHD-C1D-ND	-2.74	121.93	124.45
35	a	315	II0	C28-C26-C24	2.74	122.27	116.84
27	c	609	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
27	s	203	CLA	CHB-C4A-NA	2.74	128.31	124.51
27	f	602	CLA	C1B-CHB-C4A	-2.74	124.69	130.12
35	h	311	II0	C19-C13-C11	2.74	119.44	114.36
27	g	315	CLA	CHD-C1D-ND	-2.74	121.93	124.45
27	h	308	CLA	CAA-C2A-C1A	2.74	120.96	111.97
27	e	611	CLA	CAA-C2A-C3A	-2.74	105.27	112.78
27	L	206	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
27	A	801	CLA	CMB-C2B-C3B	2.74	129.81	124.68
27	a	307	CLA	CHB-C4A-NA	2.74	128.30	124.51
27	B	820	CLA	C6-C5-C3	-2.74	106.27	113.45
27	B	837	CLA	CHB-C4A-NA	2.74	128.30	124.51
36	O	204	IHT	C05-C03-C11	2.74	115.17	109.62
27	B	820	CLA	C1B-CHB-C4A	-2.74	124.69	130.12
34	O	205	LMG	O8-C28-C29	2.74	120.50	111.91
27	B	825	CLA	C1B-CHB-C4A	-2.74	124.69	130.12
35	h	311	II0	C20-C14-C10	-2.74	120.63	124.35
27	B	829	CLA	CHB-C4A-NA	2.74	128.30	124.51
27	n	608	CLA	CHB-C4A-NA	2.74	128.30	124.51
35	c	617	II0	C03-C09-C13	-2.74	118.77	122.63
36	g	319	IHT	C20-C15-C12	2.74	119.42	114.36
35	n	616	II0	C32-C34-C36	-2.73	118.73	126.42
27	f	609	CLA	C1B-CHB-C4A	-2.73	124.70	130.12
30	B	848	WVN	C40-C39-C36	-2.73	117.87	123.47
36	j	616	IHT	C22-C18-C07	-2.73	119.53	127.20
27	B	802	CLA	C1C-C2C-C3C	2.73	109.83	106.96
36	c	616	IHT	C03-C11-C15	-2.73	118.78	122.63
35	f	616	II0	C32-C34-C36	-2.73	118.74	126.42
27	J	103	CLA	O2D-CGD-O1D	-2.73	118.50	123.84
27	e	608	CLA	O2D-CGD-CBD	2.73	116.12	111.27
37	e	609	KC2	C3D-CAD-CBD	-2.73	104.01	107.61
37	k	311	KC2	CAA-CBA-CGA	-2.73	113.22	127.26
27	A	834	CLA	CHB-C4A-NA	2.73	128.29	124.51
27	A	832	CLA	C7-C6-C5	-2.73	105.94	113.36
27	e	611	CLA	C11-C10-C8	-2.73	107.09	115.92

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	l	303	CLA	CMB-C2B-C3B	2.73	129.79	124.68
27	A	816	CLA	CAA-C2A-C3A	-2.73	105.30	112.78
37	g	312	KC2	C2B-C1B-NB	2.73	112.12	110.10
37	g	314	KC2	C2B-C1B-NB	2.73	112.12	110.10
35	l	314	II0	C04-C10-C14	-2.73	118.78	122.63
27	a	304	CLA	CAA-CBA-CGA	-2.73	105.28	113.25
27	B	828	CLA	CAA-CBA-CGA	-2.73	105.28	113.25
37	s	204	KC2	CBC-CAC-C3C	-2.73	114.06	127.62
27	h	303	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
27	j	609	CLA	CMC-C2C-C1C	-2.73	120.89	125.04
30	B	847	WVN	C40-C39-C36	-2.72	117.89	123.47
27	K	101	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
27	m	609	CLA	C1B-CHB-C4A	-2.72	124.72	130.12
30	B	847	WVN	C08-C01-C02	-2.72	105.42	109.55
30	l	301	WVN	C20-C23-C25	-2.72	122.12	126.23
27	B	823	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
27	g	302	CLA	CMB-C2B-C3B	2.72	129.77	124.68
30	B	844	WVN	C06-C13-C20	2.72	123.48	115.78
27	j	608	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
35	k	314	II0	C20-C14-C12	2.72	119.40	114.36
35	b	613	II0	C20-C14-C10	-2.72	120.65	124.35
27	B	803	CLA	O2A-CGA-O1A	-2.72	116.73	123.59
30	J	102	WVN	C10-C06-C13	2.72	114.67	110.48
30	A	848	WVN	C27-C25-C23	-2.72	113.79	118.08
35	c	613	II0	C28-C26-C24	2.72	122.22	116.84
27	J	105	CLA	CMB-C2B-C3B	2.72	129.77	124.68
27	i	304	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
27	A	831	CLA	CHB-C4A-NA	2.72	128.27	124.51
27	d	308	CLA	CHB-C4A-NA	2.72	128.27	124.51
27	A	842	CLA	CAA-C2A-C3A	-2.72	105.34	112.78
27	A	823	CLA	CHD-C1D-ND	-2.72	121.96	124.45
27	A	805	CLA	C1B-CHB-C4A	-2.72	124.74	130.12
30	l	301	WVN	C21-C15-C13	-2.72	121.48	124.53
35	g	317	II0	C31-C29-C25	-2.72	118.70	126.58
27	A	803	CLA	C1B-CHB-C4A	-2.71	124.74	130.12
27	J	105	CLA	CMA-C3A-C4A	2.71	119.07	111.77
27	j	601	CLA	O2D-CGD-O1D	-2.71	118.53	123.84
27	A	827	CLA	CHB-C4A-NA	2.71	128.26	124.51
30	l	316	WVN	C12-C14-C15	-2.71	109.23	114.08
27	h	307	CLA	O2A-CGA-O1A	-2.71	116.75	123.59
30	s	205	WVN	C38-C34-C33	2.71	122.35	118.08
27	k	309	CLA	CAC-C3C-C2C	-2.71	122.89	127.53

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	e	604	CLA	CGD-CBD-CAD	-2.71	101.95	110.73
36	n	617	IHT	C20-C15-C12	2.71	119.38	114.36
35	h	311	II0	C31-C33-C35	-2.71	118.81	126.42
27	b	607	CLA	CMB-C2B-C3B	2.71	129.75	124.68
27	A	831	CLA	C7-C6-C5	-2.71	106.00	113.36
27	m	606	CLA	O2D-CGD-O1D	-2.71	118.54	123.84
27	e	611	CLA	C12-C11-C10	2.71	125.68	113.24
27	b	611	CLA	CHB-C4A-NA	2.71	128.26	124.51
27	A	802	CLA	C1-C2-C3	-2.71	121.36	126.04
27	A	838	CLA	C1B-CHB-C4A	-2.71	124.76	130.12
35	k	315	II0	C31-C29-C25	-2.71	118.72	126.58
27	k	307	CLA	CHB-C4A-NA	2.71	128.25	124.51
27	a	306	CLA	O2D-CGD-O1D	-2.71	118.55	123.84
27	A	821	CLA	C1B-CHB-C4A	-2.70	124.76	130.12
27	d	301	CLA	O2D-CGD-O1D	-2.70	118.55	123.84
27	B	822	CLA	CAA-C2A-C3A	-2.70	105.37	112.78
29	k	319	LHG	O8-C23-O10	-2.70	116.77	123.59
34	L	208	LMG	O6-C5-C6	2.70	113.15	106.44
27	A	814	CLA	CHD-C1D-ND	-2.70	121.97	124.45
27	c	601	CLA	CHB-C4A-NA	2.70	128.25	124.51
27	c	606	CLA	CHB-C4A-NA	2.70	128.25	124.51
27	m	612	CLA	CAC-C3C-C4C	-2.70	121.31	124.81
27	B	828	CLA	CMB-C2B-C3B	2.70	129.73	124.68
36	a	317	IHT	C28-C26-C24	2.70	122.19	116.84
30	A	847	WVN	C18-C06-C17	-2.70	100.24	108.53
27	L	202	CLA	CHB-C4A-NA	2.70	128.24	124.51
30	L	205	WVN	C31-C32-C36	2.70	123.08	118.94
27	m	602	CLA	CBC-CAC-C3C	2.70	119.87	112.43
27	d	302	CLA	C1B-CHB-C4A	-2.70	124.78	130.12
27	B	830	CLA	CMB-C2B-C3B	2.70	129.72	124.68
27	m	601	CLA	CMB-C2B-C3B	2.70	129.72	124.68
37	c	610	KC2	C3D-CAD-CBD	-2.70	104.06	107.61
30	B	846	WVN	C30-C33-C34	-2.70	118.84	126.42
27	n	605	CLA	CHA-C1A-NA	-2.69	120.23	126.40
35	k	315	II0	C04-C10-C14	-2.69	118.83	122.63
36	m	616	IHT	C31-C34-C35	-2.69	118.86	126.42
27	A	802	CLA	C11-C12-C13	-2.69	107.22	115.92
27	s	209	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
27	g	306	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
27	l	306	CLA	CAA-CBA-CGA	-2.69	105.39	113.25
27	f	601	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
27	A	806	CLA	CMB-C2B-C3B	2.69	129.71	124.68

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	l	312	CLA	O2A-CGA-O1A	-2.69	116.81	123.59
27	a	312	CLA	C2D-C1D-ND	-2.69	108.12	110.10
27	k	308	CLA	C1-C2-C3	-2.69	121.39	126.04
27	g	306	CLA	O2A-CGA-O1A	-2.69	116.81	123.59
27	b	603	CLA	CHB-C4A-NA	2.69	128.23	124.51
27	A	822	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
27	A	801	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
27	B	811	CLA	CHB-C4A-NA	2.69	128.23	124.51
30	B	843	WVN	C28-C30-C33	-2.69	114.84	123.22
27	m	609	CLA	CMB-C2B-C3B	2.69	129.70	124.68
37	d	309	KC2	O2D-CGD-O1D	-2.68	118.59	123.84
27	a	310	CLA	CMB-C2B-C1B	-2.68	124.34	128.46
30	A	846	WVN	C38-C34-C37	-2.68	119.16	122.92
27	L	204	CLA	CAA-CBA-CGA	-2.68	105.41	113.25
30	B	848	WVN	C02-C05-C09	-2.68	118.17	121.47
37	d	309	KC2	C3D-CAD-CBD	-2.68	104.07	107.61
36	n	617	IHT	C05-C08-C12	2.68	113.98	110.30
27	h	306	CLA	CHB-C4A-NA	2.68	128.22	124.51
35	d	312	II0	C27-C25-C23	2.68	122.15	116.84
37	s	204	KC2	CAB-C3B-C2B	2.68	137.44	128.60
30	R	201	WVN	C39-C40-C37	-2.68	117.98	123.47
31	A	851	LMT	O1B-C4'-C3'	2.68	114.41	107.28
35	e	612	II0	C42-C41-C39	-2.68	117.99	123.47
27	A	820	CLA	CHB-C4A-NA	2.68	128.22	124.51
27	k	308	CLA	C6-C7-C8	-2.68	107.26	115.92
27	B	807	CLA	C4-C3-C5	2.68	119.78	115.27
30	B	843	WVN	C02-C05-C09	-2.68	118.17	121.47
27	A	804	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
37	i	310	KC2	C2B-C1B-NB	2.68	112.08	110.10
35	c	613	II0	C41-C42-C40	-2.68	117.99	123.47
27	A	806	CLA	CHD-C1D-ND	-2.67	122.00	124.45
27	k	307	CLA	O2A-C1-C2	2.67	115.66	108.64
27	c	611	CLA	CHB-C4A-NA	2.67	128.21	124.51
27	l	303	CLA	CHB-C4A-NA	2.67	128.21	124.51
27	k	305	CLA	CHB-C4A-NA	2.67	128.21	124.51
30	A	846	WVN	C27-C25-C23	-2.67	113.86	118.08
27	k	309	CLA	CHA-C4D-ND	2.67	138.09	132.50
30	R	201	WVN	C23-C20-C13	-2.67	119.69	127.20
27	m	603	CLA	C3A-C2A-C1A	2.67	105.34	101.34
37	j	610	KC2	C2B-C1B-NB	2.67	112.07	110.10
35	k	315	II0	C41-C42-C40	-2.67	118.00	123.47
27	B	802	CLA	O2D-CGD-O1D	-2.67	118.61	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	805	CLA	O2D-CGD-CBD	2.67	116.01	111.27
27	B	806	CLA	O2D-CGD-CBD	2.67	116.01	111.27
27	B	823	CLA	CAA-C2A-C1A	2.67	120.73	111.97
27	b	608	CLA	C1-C2-C3	-2.67	121.42	126.04
27	i	306	CLA	CHB-C4A-NA	2.67	128.21	124.51
30	A	847	WVN	C29-C31-C32	2.67	133.92	126.42
36	n	617	IHT	C31-C34-C35	-2.67	118.92	126.42
35	i	318	II0	O02-C08-C06	2.67	115.11	109.80
35	a	315	II0	C38-C36-C34	2.67	122.28	118.08
35	a	314	II0	C34-C36-C40	-2.67	114.85	118.94
35	k	315	II0	C42-C41-C39	-2.67	118.01	123.47
27	n	606	CLA	CHB-C4A-NA	2.67	128.20	124.51
30	L	201	WVN	C28-C30-C33	-2.67	114.89	123.22
35	d	313	II0	C31-C33-C35	-2.67	118.93	126.42
27	j	611	CLA	C1B-CHB-C4A	-2.67	124.84	130.12
30	K	103	WVN	C39-C40-C37	-2.67	118.01	123.47
27	m	605	CLA	CBC-CAC-C3C	2.66	119.78	112.43
27	B	835	CLA	CHB-C4A-NA	2.66	128.20	124.51
30	O	201	WVN	C28-C30-C33	-2.66	114.90	123.22
27	B	819	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
27	A	853	CLA	O2D-CGD-O1D	-2.66	118.63	123.84
37	j	610	KC2	C3D-CAD-CBD	-2.66	104.10	107.61
37	i	317	KC2	C3A-C4A-NA	2.66	113.48	110.57
27	A	823	CLA	CHB-C4A-NA	2.66	128.19	124.51
27	a	309	CLA	CHB-C4A-NA	2.66	128.19	124.51
27	f	613	CLA	CHB-C4A-NA	2.66	128.19	124.51
36	f	617	IHT	C22-C18-C07	-2.66	119.73	127.20
35	n	618	II0	C03-C05-C07	-2.66	107.63	113.64
36	k	317	IHT	C02-C07-C10	-2.66	118.87	122.61
27	j	602	CLA	CHB-C4A-NA	2.66	128.19	124.51
27	m	604	CLA	C2A-C3A-C4A	2.66	106.16	101.87
37	k	312	KC2	C2B-C1B-NB	2.66	112.06	110.10
27	f	612	CLA	C4-C3-C5	2.66	119.02	115.98
27	m	605	CLA	C1B-CHB-C4A	-2.66	124.86	130.12
27	l	306	CLA	C1-C2-C3	-2.66	121.45	126.04
27	A	813	CLA	O2D-CGD-O1D	-2.66	118.65	123.84
36	j	616	IHT	C30-C32-C33	-2.66	118.96	126.42
27	a	303	CLA	CAA-CBA-CGA	-2.65	105.50	113.25
35	e	613	II0	C31-C33-C35	-2.65	118.96	126.42
27	A	834	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
27	l	312	CLA	C1-C2-C3	-2.65	121.45	126.04
35	a	316	II0	C31-C33-C35	-2.65	118.97	126.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	O	206	CLA	C4-C3-C5	2.65	119.73	115.27
30	B	846	WVN	C14-C15-C13	-2.65	118.88	122.73
35	d	312	II0	C31-C29-C25	-2.65	118.88	126.58
27	d	308	CLA	CAA-C2A-C3A	-2.65	109.91	116.10
27	e	601	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
27	B	839	CLA	C1B-CHB-C4A	-2.65	124.87	130.12
27	i	311	CLA	C1D-ND-C4D	-2.65	104.45	106.33
27	c	603	CLA	C1-O2A-CGA	2.65	123.39	116.44
27	R	203	CLA	CHD-C1D-ND	-2.65	122.02	124.45
27	m	609	CLA	O2D-CGD-CBD	2.64	115.97	111.27
27	g	307	CLA	CHB-C4A-NA	2.64	128.17	124.51
36	b	614	IHT	C36-C33-C37	-2.64	119.22	122.92
27	l	307	CLA	CHA-C1A-NA	-2.64	120.34	126.40
35	c	613	II0	C05-C03-C09	2.64	114.98	109.62
27	B	838	CLA	CHB-C4A-NA	2.64	128.17	124.51
27	m	606	CLA	CHB-C4A-NA	2.64	128.16	124.51
37	k	311	KC2	CMB-C2B-C1B	2.64	129.37	124.71
27	B	823	CLA	C1-C2-C3	-2.64	121.47	126.04
37	i	310	KC2	O2D-CGD-CBD	2.64	115.96	111.27
27	A	842	CLA	CHB-C4A-NA	2.64	128.16	124.51
27	F	202	CLA	CMB-C2B-C3B	2.64	129.62	124.68
27	h	304	CLA	C1B-CHB-C4A	-2.64	124.89	130.12
27	i	305	CLA	C4A-NA-C1A	2.64	107.89	106.71
27	A	802	CLA	CAA-C2A-C1A	-2.64	103.32	111.97
36	g	319	IHT	C22-C18-C07	-2.64	119.79	127.20
27	k	301	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
35	a	316	II0	C32-C34-C36	-2.64	119.00	126.42
27	f	607	CLA	CHB-C4A-NA	2.64	128.16	124.51
27	k	306	CLA	CAA-C2A-C1A	2.64	120.62	111.97
27	n	602	CLA	O2D-CGD-CBD	2.64	115.95	111.27
27	A	842	CLA	C1B-CHB-C4A	-2.64	124.89	130.12
27	i	308	CLA	CMD-C2D-C1D	-2.64	120.06	124.71
35	a	318	II0	C41-C42-C40	-2.64	118.07	123.47
27	j	609	CLA	CBC-CAC-C3C	2.64	119.70	112.43
27	L	204	CLA	CMA-C3A-C2A	-2.64	103.19	113.83
27	b	610	CLA	C1B-CHB-C4A	-2.64	124.89	130.12
27	a	306	CLA	CHB-C4A-NA	2.64	128.16	124.51
27	e	606	CLA	CHB-C4A-NA	2.64	128.16	124.51
27	g	308	CLA	CMC-C2C-C3C	2.64	133.27	126.12
27	B	817	CLA	C1B-CHB-C4A	-2.64	124.90	130.12
27	l	308	CLA	CHB-C4A-NA	2.63	128.15	124.51
27	j	606	CLA	CMB-C2B-C3B	2.63	129.60	124.68

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	g	306	CLA	C1B-CHB-C4A	-2.63	124.90	130.12
27	c	603	CLA	O2D-CGD-CBD	2.63	115.95	111.27
35	m	613	II0	C28-C26-C24	2.63	122.05	116.84
27	j	609	CLA	C3A-C2A-C1A	2.63	105.28	101.34
27	b	610	CLA	C4-C3-C5	2.63	119.70	115.27
27	A	817	CLA	O2A-CGA-O1A	-2.63	116.95	123.59
35	m	613	II0	C31-C33-C35	-2.63	119.03	126.42
35	c	617	II0	C19-C13-C11	2.63	119.23	114.36
27	f	607	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
27	B	818	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
27	f	602	CLA	CHB-C4A-NA	2.63	128.14	124.51
27	A	819	CLA	CHD-C1D-ND	-2.63	122.04	124.45
35	g	318	II0	C38-C36-C34	2.63	122.21	118.08
27	d	301	CLA	C1B-CHB-C4A	-2.62	124.92	130.12
27	n	602	CLA	O2D-CGD-O1D	-2.62	118.71	123.84
27	B	814	CLA	CHB-C4A-NA	2.62	128.14	124.51
27	b	606	CLA	CHB-C4A-NA	2.62	128.14	124.51
27	j	606	CLA	CAA-C2A-C1A	-2.62	103.38	111.97
27	f	605	CLA	CMB-C2B-C3B	2.62	129.59	124.68
36	f	617	IHT	C19-C10-C09	2.62	118.65	113.62
27	g	308	CLA	CHC-C1C-NC	2.62	128.18	124.20
35	d	312	II0	C28-C26-C24	2.62	122.03	116.84
27	c	612	CLA	CHB-C4A-NA	2.62	128.13	124.51
35	n	615	II0	C31-C33-C35	-2.62	119.06	126.42
35	a	318	II0	C04-C06-C08	2.62	119.56	113.64
30	B	846	WVN	C16-C05-C09	-2.62	113.02	122.33
27	k	308	CLA	C4A-NA-C1A	2.62	107.88	106.71
27	h	303	CLA	C1-C2-C3	-2.62	122.52	126.75
37	c	610	KC2	CAB-C3B-C2B	2.62	137.23	128.60
27	A	808	CLA	CHB-C4A-NA	2.62	128.13	124.51
27	B	821	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
36	j	616	IHT	C28-C26-C24	2.62	122.02	116.84
27	b	603	CLA	C4-C3-C5	2.62	119.67	115.27
27	c	601	CLA	CMD-C2D-C1D	-2.62	120.10	124.71
30	I	101	WVN	C39-C36-C32	-2.62	123.58	127.31
35	a	315	II0	C16-C03-C09	-2.62	106.31	110.47
27	f	601	CLA	CMB-C2B-C3B	2.62	129.57	124.68
27	i	311	CLA	CHD-C1D-ND	-2.61	122.05	124.45
35	j	613	II0	C05-C03-C09	2.61	114.92	109.62
27	A	821	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
27	B	832	CLA	O2A-CGA-O1A	-2.61	117.00	123.59
27	i	309	CLA	CHB-C4A-NA	2.61	128.12	124.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	d	302	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
30	F	205	WVN	C04-C09-C05	-2.61	122.35	124.85
37	k	312	KC2	CAB-C3B-C2B	2.61	137.21	128.60
27	A	837	CLA	C16-C15-C13	-2.61	107.48	115.92
27	O	202	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
27	n	607	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
35	d	312	II0	C41-C42-C40	-2.61	118.13	123.47
36	O	204	IHT	C40-C41-C38	-2.61	118.13	123.47
27	e	608	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
27	B	806	CLA	CHB-C4A-NA	2.61	128.12	124.51
37	s	201	KC2	C4D-C3D-CAD	2.61	112.02	107.81
37	e	609	KC2	CAB-C3B-C2B	2.61	137.20	128.60
35	n	618	II0	C18-C04-C17	-2.61	100.53	108.53
27	K	101	CLA	CAA-CBA-CGA	-2.61	105.63	113.25
27	A	818	CLA	CHD-C1D-ND	-2.61	122.06	124.45
27	m	608	CLA	C1D-ND-C4D	-2.61	104.48	106.33
27	B	832	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
27	A	836	CLA	C1B-CHB-C4A	-2.61	124.95	130.12
30	J	102	WVN	C30-C28-C25	-2.61	123.59	127.31
30	B	844	WVN	C30-C33-C34	-2.61	119.10	126.42
27	B	811	CLA	CHD-C1D-ND	-2.61	122.06	124.45
27	l	312	CLA	C4-C3-C5	2.60	119.65	115.27
35	b	613	II0	C12-C14-C10	-2.60	114.66	120.57
30	J	102	WVN	C12-C14-C15	2.60	118.73	114.08
27	m	609	CLA	CMC-C2C-C3C	2.60	133.18	126.12
35	h	311	II0	C41-C42-C40	-2.60	118.14	123.47
27	i	303	CLA	CHD-C1D-ND	-2.60	122.06	124.45
30	e	615	WVN	C30-C33-C34	-2.60	119.10	126.42
37	d	309	KC2	C2B-C1B-NB	2.60	112.02	110.10
27	s	202	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
27	g	308	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
27	l	305	CLA	C4-C3-C5	2.60	118.96	115.98
27	A	822	CLA	CMB-C2B-C1B	-2.60	124.47	128.46
36	f	617	IHT	C30-C32-C33	-2.60	119.11	126.42
35	g	316	II0	C28-C26-C24	2.60	121.99	116.84
36	n	617	IHT	C31-C29-C26	-2.60	119.03	126.58
27	j	609	CLA	CMB-C2B-C3B	2.60	129.54	124.68
35	j	614	II0	C15-C03-C09	-2.60	106.34	110.47
30	B	846	WVN	C26-C29-C31	-2.60	115.11	123.22
36	n	617	IHT	C25-C23-C27	-2.60	119.28	122.92
27	h	301	CLA	CGD-CBD-CAD	-2.60	102.32	110.73
35	a	316	II0	C03-C09-C13	-2.60	118.97	122.63

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	B	848	WVN	C21-C15-C14	2.60	118.61	113.62
35	e	613	II0	C38-C36-C34	2.60	122.17	118.08
35	k	315	II0	C20-C14-C10	-2.60	120.82	124.35
27	k	301	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
35	f	618	II0	C42-C40-C36	-2.59	123.61	127.31
27	c	606	CLA	O2A-CGA-O1A	-2.59	117.04	123.59
27	f	613	CLA	CMB-C2B-C3B	2.59	129.53	124.68
27	A	804	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
27	B	839	CLA	CAC-C3C-C4C	2.59	128.18	124.81
35	g	316	II0	C38-C36-C34	2.59	122.16	118.08
27	h	302	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
35	k	316	II0	C29-C31-C33	-2.59	115.13	123.22
27	g	310	CLA	O2A-CGA-O1A	-2.59	117.05	123.59
37	f	611	KC2	C2B-C1B-NB	2.59	112.01	110.10
29	g	321	LHG	O8-C6-C5	2.59	115.98	108.43
30	B	848	WVN	C28-C30-C33	2.59	131.30	123.22
27	g	322	CLA	CHB-C4A-NA	2.59	128.09	124.51
30	s	207	WVN	C26-C29-C31	-2.59	115.13	123.22
27	O	206	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
27	h	305	CLA	O2A-CGA-O1A	-2.59	117.05	123.59
35	g	320	II0	C03-C09-C13	-2.59	118.98	122.63
35	h	311	II0	C06-C04-C10	2.59	114.86	109.62
27	i	303	CLA	C1D-ND-C4D	-2.59	104.50	106.33
27	a	313	CLA	C4A-NA-C1A	2.59	107.87	106.71
35	g	317	II0	C06-C08-C12	2.59	113.84	110.30
27	i	312	CLA	O2D-CGD-O1D	-2.59	118.78	123.84
27	L	204	CLA	CBA-CAA-C2A	2.59	121.50	113.86
27	f	603	CLA	O2A-CGA-O1A	-2.58	117.07	123.59
30	A	848	WVN	C16-C05-C09	-2.58	113.14	122.33
30	B	846	WVN	C24-C22-C19	2.58	122.15	118.08
38	i	301	LMU	O1B-C1B-C2B	2.58	114.79	108.10
27	e	611	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
27	O	206	CLA	C2A-C1A-CHA	2.58	128.38	123.86
27	a	308	CLA	CAA-C2A-C1A	-2.58	103.51	111.97
27	m	605	CLA	CMB-C2B-C1B	-2.58	124.50	128.46
35	j	613	II0	C06-C04-C10	2.58	114.85	109.62
29	A	845	LHG	C6-C5-C4	-2.58	105.68	111.79
37	n	611	KC2	O2D-CGD-O1D	-2.58	118.79	123.84
27	A	811	CLA	CMB-C2B-C3B	2.58	129.51	124.68
30	R	201	WVN	C21-C15-C14	-2.58	108.66	113.62
35	k	315	II0	C30-C32-C34	-2.58	115.17	123.22
27	L	203	CLA	O2D-CGD-O1D	-2.58	118.80	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	s	210	LMG	O7-C10-C11	2.58	117.06	111.50
37	m	610	KC2	CAB-C3B-C2B	2.58	137.10	128.60
37	g	313	KC2	CAB-C3B-C2B	2.58	137.10	128.60
35	l	314	II0	C12-C14-C10	-2.58	114.72	120.57
27	m	604	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
30	F	204	WVN	C01-C02-C11	-2.58	109.44	112.70
35	e	614	II0	C06-C04-C10	2.58	114.84	109.62
35	c	615	II0	C38-C36-C40	-2.58	119.31	122.92
37	f	611	KC2	CAA-CBA-CGA	-2.58	114.02	127.26
35	j	615	II0	C41-C39-C35	-2.58	123.63	127.31
35	f	616	II0	C29-C31-C33	-2.58	115.18	123.22
27	j	601	CLA	CMB-C2B-C3B	2.58	129.50	124.68
27	i	306	CLA	O2A-CGA-O1A	-2.58	117.09	123.59
27	A	841	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
30	B	847	WVN	C18-C06-C13	2.57	114.47	110.30
30	R	202	WVN	C08-C01-C02	-2.57	105.65	109.55
27	A	842	CLA	C3A-C2A-C1A	2.57	105.19	101.34
27	k	309	CLA	C3A-C2A-C1A	2.57	105.19	101.34
27	a	308	CLA	C6-C7-C8	-2.57	107.61	115.92
35	a	318	II0	C19-C13-C11	2.57	119.12	114.36
27	B	806	CLA	CMB-C2B-C3B	2.57	129.49	124.68
27	i	302	CLA	CMB-C2B-C3B	2.57	129.49	124.68
27	g	311	CLA	C2D-C1D-ND	-2.57	108.21	110.10
30	i	315	WVN	C06-C13-C20	2.57	123.05	115.78
27	j	604	CLA	C11-C12-C13	-2.57	107.62	115.92
27	A	853	CLA	C1-C2-C3	-2.57	121.60	126.04
27	c	604	CLA	CHB-C4A-NA	2.57	128.06	124.51
27	c	609	CLA	CHB-C4A-NA	2.57	128.06	124.51
27	F	203	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
37	n	611	KC2	C2B-C1B-NB	2.57	112.00	110.10
27	a	308	CLA	CHB-C4A-NA	2.57	128.06	124.51
27	a	312	CLA	CHB-C4A-NA	2.57	128.06	124.51
27	B	824	CLA	O2D-CGD-O1D	-2.57	118.82	123.84
30	i	315	WVN	C06-C13-C15	-2.56	119.00	122.61
27	A	833	CLA	O2D-CGD-O1D	-2.56	118.83	123.84
30	s	205	WVN	C12-C14-C15	-2.56	109.50	114.08
27	m	606	CLA	CBA-CAA-C2A	-2.56	106.30	113.86
36	b	614	IHT	C13-C02-C07	-2.56	106.14	110.30
29	g	301	LHG	O8-C23-C24	2.56	119.95	111.91
27	B	835	CLA	CHD-C1D-ND	-2.56	122.10	124.45
27	A	819	CLA	CMB-C2B-C1B	-2.56	124.53	128.46
27	B	838	CLA	C1B-CHB-C4A	-2.56	125.04	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
36	R	204	IHT	C22-C18-C07	-2.56	120.01	127.20
27	a	311	CLA	C3A-C2A-C1A	2.56	105.17	101.34
27	n	605	CLA	CHC-C1C-NC	2.56	128.09	124.20
27	A	825	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
27	O	206	CLA	CMB-C2B-C3B	2.56	129.47	124.68
27	A	820	CLA	CBC-CAC-C3C	2.56	119.48	112.43
27	g	311	CLA	CMB-C2B-C3B	2.56	129.46	124.68
37	k	310	KC2	C2B-C1B-NB	2.56	111.99	110.10
30	i	315	WVN	C29-C31-C32	-2.56	119.23	126.42
35	k	316	II0	C18-C04-C10	-2.56	106.40	110.47
27	a	303	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
27	m	606	CLA	CHD-C1D-ND	-2.56	122.10	124.45
27	n	601	CLA	CHB-C4A-NA	2.56	128.05	124.51
35	c	613	II0	C17-C04-C10	-2.56	106.40	110.47
27	n	607	CLA	CMC-C2C-C1C	-2.56	121.14	125.04
29	c	618	LHG	O7-C7-O9	-2.56	117.52	123.70
35	l	315	II0	C12-C14-C10	-2.56	114.77	120.57
35	b	615	II0	C12-C14-C10	-2.56	114.77	120.57
27	i	308	CLA	O2A-C1-C2	-2.55	101.92	108.64
27	h	307	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
27	e	611	CLA	CHD-C1D-ND	-2.55	122.11	124.45
27	A	819	CLA	C2A-C1A-CHA	2.55	128.32	123.86
37	s	201	KC2	C3D-CAD-CBD	-2.55	104.25	107.61
27	c	605	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
35	j	615	II0	C05-C03-C09	2.55	114.79	109.62
27	B	840	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
35	m	615	II0	C05-C07-C11	2.55	113.80	110.30
27	g	306	CLA	CHB-C4A-NA	2.55	128.04	124.51
27	f	612	CLA	CMC-C2C-C1C	-2.55	121.16	125.04
27	c	605	CLA	CAA-CBA-CGA	-2.55	105.81	113.25
27	l	305	CLA	O2A-C1-C2	2.55	115.33	108.64
27	B	809	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
27	B	835	CLA	C5-C3-C2	-2.55	115.97	121.12
35	c	613	II0	C27-C25-C23	2.55	121.88	116.84
27	A	816	CLA	CHD-C1D-ND	-2.55	122.11	124.45
27	d	306	CLA	O2D-CGD-CBD	2.54	115.79	111.27
35	n	615	II0	C32-C30-C26	-2.54	119.20	126.58
30	B	848	WVN	C23-C20-C13	-2.54	120.06	127.20
36	g	319	IHT	C19-C10-C09	2.54	118.50	113.62
35	a	314	II0	C27-C25-C23	2.54	121.87	116.84
27	A	826	CLA	CAC-C3C-C2C	2.54	131.88	127.53
27	b	601	CLA	CHB-C4A-NA	2.54	128.03	124.51

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	810	CLA	O2D-CGD-O1D	-2.54	118.87	123.84
35	a	318	II0	C06-C04-C10	2.54	114.77	109.62
27	c	603	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
35	a	315	II0	C34-C36-C40	-2.54	115.04	118.94
35	d	314	II0	C31-C29-C25	-2.54	119.21	126.58
27	b	602	CLA	C1-C2-C3	-2.54	121.65	126.04
27	n	602	CLA	CMA-C3A-C4A	-2.54	104.95	111.77
27	B	837	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
27	m	611	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
27	f	610	CLA	CHB-C4A-NA	2.54	128.02	124.51
35	h	312	II0	C03-C09-C13	-2.54	119.05	122.63
35	c	613	II0	C31-C33-C35	-2.53	119.30	126.42
35	c	617	II0	C15-C03-C09	-2.53	106.44	110.47
35	n	618	II0	C38-C36-C34	2.53	122.07	118.08
31	A	851	LMT	C1B-O5B-C5B	2.53	118.66	113.69
27	k	306	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
31	a	320	LMT	O5'-C5'-C6'	2.53	112.73	106.44
30	R	202	WVN	C30-C28-C25	-2.53	123.69	127.31
35	e	614	II0	C41-C42-C40	-2.53	118.29	123.47
27	L	204	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
35	g	317	II0	C28-C26-C24	2.53	121.85	116.84
29	g	321	LHG	C5-O7-C7	-2.53	111.56	117.79
27	i	302	CLA	CHD-C1D-ND	-2.53	122.13	124.45
27	i	307	CLA	O2A-CGA-O1A	-2.53	117.21	123.59
35	f	615	II0	C29-C31-C33	-2.53	115.32	123.22
35	n	614	II0	C41-C42-C40	-2.53	118.29	123.47
27	a	310	CLA	O2D-CGD-CBD	2.53	115.76	111.27
27	B	833	CLA	CMB-C2B-C1B	-2.53	124.58	128.46
27	O	206	CLA	O2D-CGD-O1D	-2.53	118.89	123.84
37	d	310	KC2	CHB-C4A-NA	2.53	128.19	124.20
37	s	201	KC2	CBA-CAA-C2A	-2.53	115.63	125.27
27	f	602	CLA	O1D-CGD-CBD	2.53	129.66	124.48
30	h	309	WVN	C29-C31-C32	-2.53	119.32	126.42
29	n	619	LHG	O7-C7-O9	-2.53	117.60	123.70
27	c	604	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
27	m	611	CLA	CHB-C4A-NA	2.53	128.00	124.51
27	A	835	CLA	C1-C2-C3	-2.53	121.67	126.04
27	J	105	CLA	C2D-C1D-ND	-2.53	108.24	110.10
27	A	824	CLA	CHA-C1A-NA	-2.53	120.61	126.40
27	e	611	CLA	O2A-CGA-O1A	-2.52	117.22	123.59
27	A	806	CLA	O2D-CGD-O1D	-2.52	118.90	123.84
27	A	813	CLA	C1B-CHB-C4A	-2.52	125.12	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	k	316	II0	C20-C14-C12	2.52	119.03	114.36
30	e	615	WVN	C39-C40-C37	-2.52	118.30	123.47
27	B	813	CLA	CHB-C4A-NA	2.52	128.00	124.51
27	k	304	CLA	C2C-C1C-NC	2.52	112.33	109.97
35	f	614	II0	C20-C14-C12	2.52	119.03	114.36
29	g	321	LHG	O8-C23-O10	-2.52	117.23	123.59
27	h	308	CLA	CMA-C3A-C4A	2.52	118.55	111.77
27	n	608	CLA	O2D-CGD-CBD	2.52	115.75	111.27
27	s	206	CLA	C11-C12-C13	-2.52	107.77	115.92
27	g	322	CLA	O2D-CGD-O1D	-2.52	118.91	123.84
30	A	848	WVN	C26-C29-C31	-2.52	115.35	123.22
27	A	831	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
27	B	823	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
29	a	319	LHG	C25-C24-C23	-2.52	104.46	113.62
27	B	840	CLA	CHB-C4A-NA	2.52	127.99	124.51
27	f	613	CLA	O2A-CGA-O1A	-2.52	117.24	123.59
35	b	615	II0	C37-C35-C33	2.52	122.04	118.08
27	A	819	CLA	O2D-CGD-O1D	-2.52	118.92	123.84
27	g	304	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
36	k	317	IHT	C20-C15-C12	2.52	119.02	114.36
27	A	824	CLA	CHB-C4A-NA	2.52	127.99	124.51
35	e	613	II0	C20-C14-C12	2.52	119.02	114.36
27	a	308	CLA	CAC-C3C-C4C	2.51	128.07	124.81
35	c	614	II0	C29-C31-C33	-2.51	115.37	123.22
27	d	311	CLA	O2A-CGA-O1A	-2.51	117.25	123.59
27	A	834	CLA	CAA-CBA-CGA	-2.51	105.91	113.25
37	n	611	KC2	CAB-C3B-C2B	2.51	136.88	128.60
27	s	203	CLA	O2A-C1-C2	-2.51	102.03	108.64
33	B	842	DGD	O6E-C5E-C6E	2.51	112.68	106.44
27	f	604	CLA	C2A-C3A-C4A	2.51	105.92	101.87
37	d	309	KC2	CAB-C3B-C2B	2.51	136.87	128.60
27	B	834	CLA	O2D-CGD-O1D	-2.51	118.93	123.84
37	l	311	KC2	CAA-CBA-CGA	-2.51	114.36	127.26
27	h	303	CLA	C1-O2A-CGA	2.51	123.02	116.44
27	k	304	CLA	O2D-CGD-O1D	-2.51	118.94	123.84
27	B	827	CLA	CHB-C4A-NA	2.51	127.98	124.51
27	n	613	CLA	O1D-CGD-CBD	2.51	129.61	124.48
27	A	853	CLA	CHB-C4A-NA	2.51	127.98	124.51
27	a	309	CLA	O2D-CGD-O1D	-2.51	118.94	123.84
30	i	315	WVN	C30-C33-C34	-2.51	119.38	126.42
27	A	828	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
34	s	210	LMG	O8-C28-C29	2.51	119.77	111.91

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	L	206	CLA	O2A-CGA-O1A	-2.50	117.27	123.59
27	d	311	CLA	O2D-CGD-CBD	2.50	115.72	111.27
27	A	817	CLA	CHB-C4A-NA	2.50	127.97	124.51
27	L	203	CLA	CHB-C4A-NA	2.50	127.97	124.51
27	l	304	CLA	CAA-CBA-CGA	-2.50	105.94	113.25
30	A	848	WVN	C06-C13-C15	-2.50	119.09	122.61
27	m	612	CLA	CHB-C4A-NA	2.50	127.97	124.51
27	i	311	CLA	C4-C3-C5	-2.50	113.12	115.98
27	A	808	CLA	C1-C2-C3	-2.50	121.72	126.04
35	h	311	II0	O01-C07-C05	-2.50	104.83	109.80
27	A	803	CLA	O2A-CGA-O1A	-2.50	117.28	123.59
27	e	607	CLA	C11-C12-C13	-2.50	107.83	115.92
27	g	303	CLA	CHD-C1D-ND	-2.50	122.16	124.45
27	k	307	CLA	O2D-CGD-O1D	-2.50	118.95	123.84
27	c	601	CLA	CMB-C2B-C3B	2.50	129.35	124.68
27	b	606	CLA	CMB-C2B-C3B	2.50	129.35	124.68
35	g	320	II0	C20-C14-C12	2.50	118.98	114.36
35	b	615	II0	C04-C10-C14	-2.50	119.11	122.63
35	g	316	II0	C07-C11-C13	-2.50	106.88	111.85
27	A	824	CLA	CBA-CAA-C2A	2.50	121.24	113.86
30	M	101	WVN	C30-C33-C34	-2.50	119.40	126.42
30	B	844	WVN	C21-C15-C14	2.50	118.41	113.62
36	R	204	IHT	C29-C31-C34	-2.50	115.42	123.22
27	k	304	CLA	CAA-C2A-C3A	-2.50	105.94	112.78
35	a	314	II0	C31-C33-C35	-2.50	119.40	126.42
27	A	835	CLA	O2A-CGA-O1A	-2.50	117.29	123.59
27	c	608	CLA	O2A-CGA-O1A	-2.50	117.29	123.59
27	m	609	CLA	C2A-C1A-CHA	2.50	128.22	123.86
27	A	814	CLA	CHB-C4A-NA	2.50	127.96	124.51
27	g	304	CLA	O2D-CGD-CBD	2.49	115.70	111.27
27	h	303	CLA	O2A-CGA-O1A	-2.49	117.30	123.59
27	L	203	CLA	O2A-CGA-O1A	-2.49	117.30	123.59
27	g	310	CLA	O2D-CGD-CBD	2.49	115.70	111.27
27	b	609	CLA	O2D-CGD-O1D	-2.49	118.96	123.84
36	g	319	IHT	C31-C34-C35	-2.49	119.42	126.42
27	e	606	CLA	O1D-CGD-CBD	2.49	129.58	124.48
37	c	610	KC2	C2B-C1B-NB	2.49	111.94	110.10
27	j	611	CLA	CHB-C4A-NA	2.49	127.96	124.51
37	g	314	KC2	CAB-C3B-C2B	2.49	136.81	128.60
34	O	205	LMG	O6-C5-C6	2.49	112.63	106.44
37	j	610	KC2	CAB-C3B-C2B	2.49	136.81	128.60
27	j	605	CLA	C1B-CHB-C4A	-2.49	125.19	130.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	J	104	II0	C03-C09-C13	-2.49	119.12	122.63
27	c	602	CLA	O2A-CGA-O1A	-2.49	117.31	123.59
27	d	301	CLA	CHB-C4A-NA	2.49	127.95	124.51
27	j	604	CLA	C6-C5-C3	-2.49	106.93	113.45
27	g	307	CLA	CHD-C1D-ND	-2.49	122.17	124.45
27	A	808	CLA	O2D-CGD-O1D	-2.49	118.98	123.84
27	B	810	CLA	CAC-C3C-C4C	2.49	128.04	124.81
27	e	604	CLA	O2D-CGD-CBD	2.49	115.69	111.27
35	a	314	II0	C05-C03-C09	2.49	114.66	109.62
34	s	210	LMG	C7-O1-C1	-2.49	108.88	113.74
27	F	201	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
27	A	825	CLA	CAC-C3C-C4C	2.48	128.03	124.81
27	n	602	CLA	O2A-CGA-O1A	-2.48	117.32	123.59
36	O	204	IHT	C31-C29-C26	-2.48	119.37	126.58
27	l	306	CLA	C11-C12-C13	-2.48	107.89	115.92
27	c	608	CLA	CHD-C1D-ND	-2.48	122.17	124.45
35	a	314	II0	C16-C03-C09	-2.48	106.52	110.47
35	h	310	II0	C34-C36-C40	2.48	122.75	118.94
35	j	613	II0	C33-C35-C39	2.48	122.75	118.94
27	B	831	CLA	O2D-CGD-O1D	-2.48	118.98	123.84
27	A	826	CLA	CAA-CBA-CGA	-2.48	106.00	113.25
27	A	812	CLA	C7-C6-C5	2.48	120.09	113.36
35	j	615	II0	C41-C42-C40	-2.48	118.39	123.47
27	B	816	CLA	C2C-C1C-NC	2.48	112.30	109.97
30	s	207	WVN	C23-C20-C13	-2.48	120.23	127.20
35	e	616	II0	C04-C10-C14	-2.48	119.14	122.63
27	d	305	CLA	CAC-C3C-C4C	-2.48	121.60	124.81
35	b	615	II0	C41-C42-C40	-2.48	118.40	123.47
27	g	311	CLA	O1D-CGD-CBD	2.48	129.55	124.48
33	B	842	DGD	O1G-C1A-C2A	2.48	119.68	111.91
27	B	814	CLA	O2D-CGD-CBD	2.48	115.67	111.27
27	h	305	CLA	O2D-CGD-O1D	-2.48	119.00	123.84
36	j	616	IHT	C31-C34-C35	-2.48	119.46	126.42
27	b	607	CLA	C1-C2-C3	-2.48	121.76	126.04
27	b	603	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
27	h	301	CLA	C7-C6-C5	-2.47	106.64	113.36
27	A	802	CLA	CHB-C4A-NA	2.47	127.93	124.51
29	i	316	LHG	O8-C23-O10	-2.47	117.35	123.59
37	l	311	KC2	CAB-C3B-C2B	2.47	136.76	128.60
27	b	610	CLA	CMB-C2B-C3B	2.47	129.31	124.68
27	A	806	CLA	CAA-CBA-CGA	-2.47	106.03	113.25
30	B	848	WVN	C03-C04-C09	-2.47	107.89	112.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	F	204	WVN	C14-C15-C13	-2.47	119.14	122.73
30	B	844	WVN	C19-C22-C26	-2.47	115.15	118.94
30	J	101	WVN	C23-C20-C13	-2.47	120.26	127.20
27	A	812	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
27	e	611	CLA	C6-C5-C3	-2.47	106.98	113.45
27	l	310	CLA	CHB-C4A-NA	2.47	127.93	124.51
27	m	606	CLA	CAC-C3C-C4C	2.47	128.01	124.81
35	j	614	II0	C12-C14-C10	-2.47	114.96	120.57
27	h	304	CLA	CHA-C1A-NA	-2.47	120.74	126.40
37	i	317	KC2	CMB-C2B-C1B	2.47	129.06	124.71
27	n	609	CLA	CMA-C3A-C2A	-2.47	103.87	113.83
27	B	820	CLA	O2A-CGA-O1A	-2.47	117.36	123.59
27	B	823	CLA	C2A-C1A-CHA	2.47	128.18	123.86
37	s	204	KC2	CAA-CBA-CGA	-2.47	114.58	127.26
27	e	602	CLA	O2A-CGA-O1A	-2.47	117.36	123.59
27	a	307	CLA	C3C-C4C-NC	-2.47	107.80	110.57
30	A	848	WVN	C23-C25-C28	2.47	122.73	118.94
37	c	610	KC2	O2D-CGD-O1D	-2.47	119.02	123.84
27	d	307	CLA	O2D-CGD-O1D	-2.47	119.02	123.84
27	R	203	CLA	O2A-CGA-O1A	-2.47	117.37	123.59
30	F	205	WVN	C26-C29-C31	-2.47	115.52	123.22
27	k	308	CLA	C4D-CHA-C1A	2.47	124.25	121.25
27	B	836	CLA	O2A-CGA-O1A	-2.46	117.37	123.59
27	A	817	CLA	C6-C7-C8	-2.46	107.95	115.92
27	a	306	CLA	C11-C10-C8	-2.46	107.95	115.92
27	c	605	CLA	CAC-C3C-C4C	2.46	128.01	124.81
35	g	318	II0	C06-C04-C10	2.46	114.61	109.62
27	A	840	CLA	O2D-CGD-O1D	-2.46	119.02	123.84
27	l	304	CLA	C4-C3-C5	2.46	119.42	115.27
37	f	611	KC2	CAB-C3B-C2B	2.46	136.72	128.60
27	j	603	CLA	O2D-CGD-O1D	-2.46	119.02	123.84
27	i	312	CLA	CHD-C1D-ND	-2.46	122.19	124.45
27	l	308	CLA	O2A-C1-C2	-2.46	102.16	108.64
27	s	202	CLA	C2D-C1D-ND	-2.46	108.29	110.10
27	B	818	CLA	CHB-C4A-NA	2.46	127.92	124.51
27	B	811	CLA	CBA-CAA-C2A	2.46	121.13	113.86
27	b	609	CLA	CHB-C4A-NA	2.46	127.92	124.51
27	g	311	CLA	C2C-C1C-NC	2.46	112.28	109.97
35	m	615	II0	C27-C25-C23	2.46	121.71	116.84
35	n	614	II0	C28-C26-C24	2.46	121.71	116.84
27	h	304	CLA	CBA-CAA-C2A	2.46	121.13	113.86
34	F	206	LMG	O8-C28-C29	2.46	119.63	111.91

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	b	615	II0	C29-C31-C33	-2.46	115.54	123.22
37	d	309	KC2	CAA-CBA-CGA	-2.46	114.62	127.26
27	A	835	CLA	O2D-CGD-CBD	2.46	115.64	111.27
27	B	810	CLA	O2D-CGD-CBD	2.46	115.64	111.27
27	i	306	CLA	CHD-C1D-ND	-2.46	122.19	124.45
36	k	317	IHT	C27-C30-C32	-2.46	115.55	123.22
27	O	202	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
35	b	613	II0	C31-C33-C35	-2.46	119.51	126.42
27	j	606	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
27	B	810	CLA	C2A-C1A-CHA	2.46	128.16	123.86
35	m	613	II0	C05-C03-C09	2.46	114.60	109.62
35	h	311	II0	C29-C31-C33	-2.46	115.55	123.22
36	R	204	IHT	C25-C23-C27	-2.46	119.48	122.92
27	c	601	CLA	O2D-CGD-CBD	2.46	115.63	111.27
35	h	311	II0	C05-C03-C09	2.46	114.60	109.62
27	g	315	CLA	CAA-CBA-CGA	-2.46	106.08	113.25
36	k	317	IHT	C31-C29-C26	-2.46	119.45	126.58
35	j	614	II0	C28-C26-C24	2.45	121.70	116.84
37	i	317	KC2	CHC-C1C-C2C	2.45	128.81	124.98
27	B	808	CLA	CAB-C3B-C4B	-2.45	124.69	128.46
27	J	105	CLA	CHA-C1A-NA	-2.45	120.78	126.40
27	A	821	CLA	CHB-C4A-NA	2.45	127.90	124.51
29	c	621	LHG	O8-C23-C24	2.45	119.60	111.91
27	A	856	CLA	C3A-C2A-C1A	2.45	105.80	101.64
27	n	601	CLA	CHD-C1D-ND	-2.45	122.20	124.45
35	a	316	II0	C30-C32-C34	-2.45	115.57	123.22
27	a	313	CLA	O2A-CGA-O1A	-2.45	117.41	123.59
27	B	810	CLA	O2D-CGD-O1D	-2.45	119.05	123.84
27	i	311	CLA	CMC-C2C-C3C	2.45	132.77	126.12
27	A	806	CLA	C11-C10-C8	-2.45	108.00	115.92
27	k	304	CLA	CMD-C2D-C1D	2.45	129.03	124.71
27	d	308	CLA	C2D-C1D-ND	-2.45	108.30	110.10
37	l	311	KC2	CBD-CHA-C1A	2.45	133.45	128.88
35	j	614	II0	C29-C31-C33	-2.45	115.58	123.22
27	l	304	CLA	O2A-CGA-CBA	2.45	119.59	111.91
27	B	801	CLA	CHB-C4A-NA	2.45	127.89	124.51
27	j	607	CLA	CHB-C4A-NA	2.45	127.89	124.51
27	c	603	CLA	CAC-C3C-C4C	2.45	127.98	124.81
27	A	853	CLA	CHD-C1D-ND	-2.45	122.21	124.45
27	A	853	CLA	CAA-CBA-CGA	-2.45	106.11	113.25
27	B	802	CLA	CHB-C4A-NA	2.45	127.89	124.51
27	f	606	CLA	O1D-CGD-CBD	2.45	129.49	124.48

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	g	310	CLA	CHD-C1D-ND	-2.45	122.21	124.45
35	e	614	II0	C32-C34-C36	-2.44	119.55	126.42
27	k	307	CLA	CMB-C2B-C3B	2.44	129.25	124.68
27	f	601	CLA	CHB-C4A-NA	2.44	127.89	124.51
27	k	304	CLA	C1D-ND-C4D	-2.44	104.60	106.33
27	B	815	CLA	CHB-C4A-NA	2.44	127.89	124.51
34	c	619	LMG	O8-C28-C29	2.44	119.57	111.91
27	A	818	CLA	CBC-CAC-C3C	2.44	119.16	112.43
35	l	317	II0	C20-C14-C12	2.44	118.88	114.36
27	n	607	CLA	CMC-C2C-C3C	2.44	132.75	126.12
35	m	613	II0	C29-C31-C33	-2.44	115.60	123.22
36	c	616	IHT	C28-C26-C24	2.44	121.67	116.84
27	s	202	CLA	CMD-C2D-C1D	2.44	129.01	124.71
27	j	604	CLA	C7-C6-C5	-2.44	106.73	113.36
27	B	822	CLA	CGD-CBD-CAD	2.44	118.64	110.73
37	j	610	KC2	O2D-CGD-CBD	2.44	115.60	111.27
36	m	616	IHT	C02-C07-C18	2.44	122.67	115.78
27	K	102	CLA	CAC-C3C-C4C	2.44	127.97	124.81
27	A	810	CLA	CHB-C4A-NA	2.44	127.88	124.51
27	g	309	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
27	j	604	CLA	CMC-C2C-C1C	-2.44	121.33	125.04
30	L	201	WVN	C10-C06-C13	2.44	114.23	110.48
27	l	306	CLA	CAA-C2A-C3A	-2.44	106.11	112.78
35	m	614	II0	C31-C33-C35	-2.44	119.57	126.42
27	k	304	CLA	O2A-CGA-O1A	-2.44	117.23	123.30
27	A	823	CLA	O2D-CGD-O1D	-2.44	119.08	123.84
37	g	312	KC2	CAB-C3B-C2B	2.44	136.63	128.60
35	n	616	II0	C31-C29-C25	-2.44	119.51	126.58
27	c	605	CLA	CHB-C4A-NA	2.43	127.88	124.51
35	a	316	II0	C28-C26-C24	2.43	121.66	116.84
27	f	605	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
27	n	608	CLA	CMA-C3A-C4A	-2.43	105.23	111.77
27	O	202	CLA	CHB-C4A-NA	2.43	127.88	124.51
35	h	312	II0	C28-C26-C24	2.43	121.66	116.84
30	R	202	WVN	C14-C15-C13	-2.43	119.20	122.73
27	A	819	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
27	i	309	CLA	O1D-CGD-CBD	2.43	129.46	124.48
27	B	826	CLA	O2D-CGD-CBD	2.43	115.59	111.27
27	a	313	CLA	O2D-CGD-O1D	-2.43	119.08	123.84
27	i	306	CLA	O2D-CGD-O1D	-2.43	119.08	123.84
36	O	204	IHT	O01-C08-C05	-2.43	104.97	109.80
27	g	310	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(°)
37	k	310	KC2	CAA-CBA-CGA	-2.43	114.77	127.26
34	L	208	LMG	O8-C28-C29	2.43	119.54	111.91
27	m	608	CLA	CHB-C4A-NA	2.43	127.87	124.51
30	l	301	WVN	C29-C26-C22	-2.43	123.84	127.31
30	R	201	WVN	C17-C06-C13	2.43	114.24	110.30
27	A	822	CLA	CMB-C2B-C3B	2.43	129.22	124.68
27	g	311	CLA	CMD-C2D-C1D	-2.43	120.43	124.71
27	g	309	CLA	C2A-C1A-CHA	2.43	128.10	123.86
30	h	309	WVN	C14-C15-C13	-2.43	119.21	122.73
27	j	605	CLA	O2A-CGA-O1A	-2.43	117.25	123.30
27	l	307	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
27	e	604	CLA	O1D-CGD-CBD	2.43	129.45	124.48
35	b	612	II0	C03-C09-C13	-2.43	119.21	122.63
35	l	317	II0	C06-C08-C12	2.43	113.63	110.30
35	i	318	II0	C20-C14-C10	-2.43	121.05	124.35
27	B	827	CLA	O2D-CGD-O1D	-2.43	119.09	123.84
27	c	606	CLA	C2A-C1A-CHA	2.43	128.10	123.86
36	a	317	IHT	C30-C32-C33	-2.43	119.60	126.42
35	b	612	II0	C18-C04-C10	-2.42	106.61	110.47
36	g	319	IHT	C28-C26-C24	2.42	121.64	116.84
30	K	103	WVN	C24-C22-C19	2.42	121.89	118.08
29	A	850	LHG	O8-C23-C24	2.42	119.51	111.91
27	k	308	CLA	CAC-C3C-C4C	2.42	127.95	124.81
37	d	310	KC2	CMB-C2B-C1B	2.42	128.98	124.71
30	h	309	WVN	C40-C39-C36	-2.42	118.51	123.47
27	k	302	CLA	CAC-C3C-C4C	2.42	127.95	124.81
27	B	835	CLA	O2D-CGD-O1D	-2.42	119.10	123.84
35	i	313	II0	C30-C32-C34	-2.42	115.66	123.22
27	A	852	CLA	CHD-C1D-ND	-2.42	122.23	124.45
30	R	202	WVN	C39-C40-C37	-2.42	118.52	123.47
27	a	303	CLA	CHB-C4A-NA	2.42	127.86	124.51
35	f	615	II0	C30-C32-C34	-2.42	115.67	123.22
29	a	301	LHG	C5-O7-C7	-2.42	111.84	117.79
27	B	828	CLA	C2C-C1C-NC	2.42	112.24	109.97
37	l	311	KC2	O2D-CGD-O1D	-2.42	119.11	123.84
30	s	205	WVN	C28-C30-C33	-2.42	115.67	123.22
35	i	314	II0	C27-C25-C23	2.42	121.62	116.84
27	s	206	CLA	CHB-C4A-NA	2.42	127.85	124.51
34	c	619	LMG	O6-C5-C4	2.42	114.08	109.69
27	A	842	CLA	C2A-C1A-CHA	2.42	128.08	123.86
27	B	820	CLA	C2A-C1A-CHA	2.42	128.08	123.86
35	h	311	II0	C12-C14-C10	-2.41	115.09	120.57

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	823	CLA	O2A-C1-C2	-2.41	102.29	108.64
27	g	310	CLA	C1-C2-C3	-2.41	121.87	126.04
27	h	313	CLA	C2D-C1D-ND	-2.41	108.33	110.10
30	e	615	WVN	C16-C05-C09	-2.41	113.75	122.33
30	L	205	WVN	C08-C01-C02	2.41	113.20	109.55
27	f	609	CLA	C7-C6-C5	2.41	119.91	113.36
27	m	605	CLA	CAC-C3C-C4C	2.41	127.94	124.81
35	O	203	II0	C06-C04-C10	2.41	114.51	109.62
30	B	848	WVN	C33-C34-C37	-2.41	115.24	118.94
27	e	605	CLA	O2D-CGD-O1D	-2.41	119.12	123.84
27	A	822	CLA	CHB-C4A-NA	2.41	127.84	124.51
27	B	815	CLA	O2D-CGD-CBD	2.41	115.55	111.27
35	h	312	II0	C31-C33-C35	-2.41	119.65	126.42
30	B	846	WVN	C20-C13-C15	-2.41	115.63	121.46
35	k	318	II0	C37-C35-C33	2.41	121.87	118.08
27	h	302	CLA	C1-O2A-CGA	2.41	122.76	116.44
27	B	838	CLA	CMB-C2B-C3B	2.41	129.18	124.68
27	n	610	CLA	C4D-CHA-C1A	2.41	124.18	121.25
30	B	844	WVN	C23-C20-C13	-2.41	120.44	127.20
35	f	616	II0	C05-C03-C09	2.41	114.50	109.62
27	A	812	CLA	CAC-C3C-C4C	2.41	127.93	124.81
27	B	824	CLA	CHB-C4A-NA	2.41	127.84	124.51
35	b	612	II0	C30-C32-C34	-2.41	115.71	123.22
35	d	312	II0	C42-C41-C39	-2.41	118.55	123.47
27	b	602	CLA	CHD-C1D-ND	-2.41	122.24	124.45
27	B	849	CLA	O2D-CGD-CBD	2.41	115.54	111.27
27	g	315	CLA	O2D-CGD-O1D	-2.41	119.14	123.84
27	A	811	CLA	C4-C3-C5	2.41	119.32	115.27
27	k	309	CLA	C3D-C2D-C1D	2.40	109.11	105.83
35	m	613	II0	C41-C42-C40	-2.40	118.55	123.47
27	f	608	CLA	CHB-C4A-NA	2.40	127.84	124.51
27	B	801	CLA	CMB-C2B-C3B	2.40	129.18	124.68
35	e	612	II0	C06-C04-C10	2.40	114.49	109.62
27	A	803	CLA	CHD-C1D-ND	-2.40	122.25	124.45
30	l	301	WVN	C06-C13-C15	-2.40	119.23	122.61
30	J	102	WVN	C28-C30-C33	-2.40	115.72	123.22
35	f	618	II0	C37-C35-C39	-2.40	119.56	122.92
27	h	308	CLA	CAA-C2A-C3A	-2.40	106.20	112.78
30	F	204	WVN	C16-C05-C09	-2.40	113.79	122.33
27	b	609	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
30	K	103	WVN	C20-C23-C25	-2.40	122.61	126.23
27	f	612	CLA	CBC-CAC-C3C	2.40	119.05	112.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	g	313	KC2	CBD-CHA-C1A	2.40	133.35	128.88
27	a	312	CLA	O2D-CGD-CBD	2.40	115.53	111.27
30	B	844	WVN	C03-C04-C09	-2.40	108.02	112.00
27	e	608	CLA	C2A-C1A-CHA	2.40	128.05	123.86
35	n	616	II0	C06-C04-C10	2.40	114.48	109.62
27	d	305	CLA	O2D-CGD-CBD	2.40	115.53	111.27
27	A	808	CLA	CAA-C2A-C1A	2.40	119.83	111.97
35	i	314	II0	C32-C30-C26	-2.40	119.62	126.58
35	b	612	II0	C41-C42-C40	-2.40	118.56	123.47
37	s	201	KC2	O2D-CGD-O1D	-2.40	119.15	123.84
30	B	843	WVN	C20-C23-C25	-2.40	122.61	126.23
27	J	105	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
27	B	803	CLA	O2D-CGD-CBD	2.40	115.53	111.27
35	m	614	II0	C12-C14-C10	-2.40	115.13	120.57
27	j	604	CLA	C2A-C3A-C4A	2.40	105.74	101.87
27	F	202	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
34	J	106	LMG	O8-C28-C29	2.40	119.42	111.91
27	J	105	CLA	O2A-CGA-O1A	-2.39	117.55	123.59
27	R	203	CLA	C1-C2-C3	-2.39	121.90	126.04
27	a	306	CLA	CHD-C1D-ND	-2.39	122.25	124.45
35	h	311	II0	C28-C26-C24	2.39	121.58	116.84
27	i	307	CLA	O2D-CGD-O1D	-2.39	119.16	123.84
36	O	204	IHT	C41-C40-C37	-2.39	118.57	123.47
27	A	822	CLA	O2D-CGD-O1D	-2.39	119.16	123.84
30	J	102	WVN	C01-C02-C11	-2.39	109.68	112.70
27	e	604	CLA	O2A-CGA-O1A	-2.39	117.55	123.59
27	A	821	CLA	CAA-CBA-CGA	-2.39	106.26	113.25
27	K	102	CLA	C2A-C1A-CHA	2.39	128.04	123.86
27	e	607	CLA	O2D-CGD-O1D	-2.39	119.16	123.84
27	c	605	CLA	CMB-C2B-C1B	-2.39	124.79	128.46
27	B	822	CLA	CAC-C3C-C4C	2.39	127.91	124.81
27	J	105	CLA	CBA-CAA-C2A	-2.39	106.81	113.86
35	m	613	II0	C32-C34-C36	-2.39	119.70	126.42
27	g	308	CLA	CHC-C1C-C2C	-2.39	120.11	126.72
27	n	610	CLA	CHA-C1A-NA	-2.39	120.92	126.40
27	l	310	CLA	CHD-C1D-ND	-2.39	122.26	124.45
35	l	317	II0	C38-C36-C40	-2.39	119.58	122.92
35	i	313	II0	C31-C33-C35	-2.39	119.71	126.42
30	B	846	WVN	C28-C30-C33	2.39	130.67	123.22
27	c	605	CLA	CHD-C1D-ND	-2.39	122.26	124.45
27	m	602	CLA	C1-C2-C3	-2.39	121.91	126.04
27	K	101	CLA	O2D-CGD-CBD	2.39	115.51	111.27

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	823	CLA	CMB-C2B-C1B	-2.39	124.80	128.46
35	j	615	II0	C16-C03-C09	-2.39	106.67	110.47
27	B	811	CLA	CAA-CBA-CGA	-2.39	106.28	113.25
27	f	603	CLA	CHB-C4A-NA	2.39	127.81	124.51
27	a	305	CLA	C4-C3-C5	2.39	118.71	115.98
27	O	206	CLA	CAA-C2A-C3A	-2.39	106.24	112.78
27	B	836	CLA	O2D-CGD-O1D	-2.39	119.17	123.84
35	l	302	II0	C06-C04-C10	2.39	114.45	109.62
36	b	614	IHT	C20-C15-C12	2.39	118.78	114.36
27	m	611	CLA	O2A-C1-C2	2.39	114.91	108.64
27	h	303	CLA	O2D-CGD-CBD	2.39	115.51	111.27
27	A	838	CLA	C1-C2-C3	-2.39	121.92	126.04
27	B	805	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
34	c	619	LMG	O1-C1-C2	2.38	112.02	108.30
27	B	837	CLA	CAC-C3C-C4C	2.38	127.90	124.81
30	B	843	WVN	C29-C26-C22	-2.38	123.91	127.31
27	B	824	CLA	C2D-C1D-ND	-2.38	108.35	110.10
35	O	203	II0	C42-C41-C39	-2.38	118.59	123.47
27	A	831	CLA	C2A-C1A-CHA	2.38	128.03	123.86
27	d	305	CLA	C1C-C2C-C3C	-2.38	104.45	106.96
35	l	317	II0	C19-C13-C11	2.38	118.77	114.36
35	O	203	II0	C37-C35-C33	2.38	121.83	118.08
27	A	801	CLA	C1-C2-C3	-2.38	121.93	126.04
27	k	305	CLA	C1-C2-C3	-2.38	121.93	126.04
27	B	803	CLA	C11-C12-C13	-2.38	108.22	115.92
35	b	613	II0	C04-C06-C08	-2.38	108.27	113.64
27	a	307	CLA	CHD-C1D-ND	-2.38	122.27	124.45
27	j	605	CLA	CHA-C1A-NA	-2.38	120.95	126.40
27	c	611	CLA	O2A-CGA-O1A	-2.38	117.37	123.30
27	j	608	CLA	CAC-C3C-C4C	2.38	127.90	124.81
27	h	307	CLA	CHB-C4A-NA	2.38	127.80	124.51
27	f	609	CLA	O2D-CGD-O1D	-2.38	119.19	123.84
27	A	836	CLA	C2A-C1A-CHA	2.38	128.01	123.86
30	R	202	WVN	C20-C13-C15	-2.38	115.70	121.46
35	k	318	II0	C31-C29-C25	-2.38	119.68	126.58
27	B	811	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
27	k	308	CLA	CHB-C4A-NA	2.38	127.80	124.51
35	m	614	II0	C20-C14-C10	-2.38	121.12	124.35
35	f	615	II0	C31-C29-C25	-2.38	119.68	126.58
27	b	610	CLA	CHB-C4A-NA	2.37	127.80	124.51
27	A	808	CLA	C2A-C1A-CHA	2.37	128.01	123.86
35	e	614	II0	C31-C33-C35	-2.37	119.75	126.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	J	104	II0	O01-C07-C11	-2.37	104.59	109.68
27	B	829	CLA	C11-C10-C8	-2.37	108.25	115.92
35	n	615	II0	C06-C04-C10	2.37	114.43	109.62
37	i	310	KC2	CMB-C2B-C1B	2.37	128.89	124.71
27	c	607	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
35	g	320	II0	C29-C31-C33	-2.37	115.82	123.22
27	a	308	CLA	O2D-CGD-CBD	2.37	115.48	111.27
27	A	855	CLA	CHB-C4A-NA	2.37	127.79	124.51
27	j	612	CLA	O2D-CGD-O1D	-2.37	119.20	123.84
27	n	607	CLA	C4A-NA-C1A	2.37	107.77	106.71
29	g	301	LHG	C5-O7-C7	2.37	123.63	117.79
27	g	302	CLA	CAA-C2A-C3A	-2.37	108.34	114.26
35	J	104	II0	C38-C36-C34	2.37	121.81	118.08
35	c	614	II0	C28-C26-C24	2.37	121.53	116.84
27	i	309	CLA	CAC-C3C-C2C	-2.37	123.48	127.53
27	A	819	CLA	CAA-CBA-CGA	-2.37	106.22	112.51
35	j	613	II0	C18-C04-C10	-2.37	106.70	110.47
27	f	612	CLA	CAA-C2A-C1A	2.37	119.73	111.97
27	g	304	CLA	CHB-C4A-NA	2.37	127.78	124.51
27	B	828	CLA	C2A-C1A-CHA	2.37	128.00	123.86
27	b	604	CLA	CHB-C4A-NA	2.37	127.78	124.51
27	K	101	CLA	C2A-C1A-CHA	2.37	128.00	123.86
35	l	317	II0	C31-C33-C35	-2.37	119.77	126.42
30	J	101	WVN	C30-C33-C34	-2.37	119.77	126.42
36	c	620	IHT	C32-C33-C37	-2.36	115.31	118.94
30	I	101	WVN	C27-C25-C23	2.36	121.80	118.08
27	B	810	CLA	C1-C2-C3	-2.36	121.96	126.04
27	h	301	CLA	O2A-CGA-O1A	-2.36	117.63	123.59
30	i	315	WVN	C31-C32-C36	2.36	122.56	118.94
35	h	312	II0	C06-C08-C12	2.36	113.53	110.30
30	R	201	WVN	C20-C23-C25	-2.36	122.67	126.23
27	A	816	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
27	b	603	CLA	C2A-C1A-CHA	2.36	127.98	123.86
27	A	816	CLA	CHB-C4A-NA	2.36	127.77	124.51
27	m	601	CLA	CHB-C4A-NA	2.36	127.77	124.51
35	g	320	II0	C05-C03-C09	2.36	114.40	109.62
35	l	302	II0	C17-C04-C10	-2.36	106.72	110.47
37	g	313	KC2	CBC-CAC-C3C	-2.36	115.90	127.62
36	a	317	IHT	C25-C23-C27	-2.35	119.62	122.92
27	a	311	CLA	O2D-CGD-O1D	-2.35	119.24	123.84
30	M	101	WVN	C08-C01-C07	-2.35	104.42	107.89
27	b	605	CLA	C2D-C1D-ND	-2.35	108.37	110.10

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	A	844	LHG	O8-C23-O10	-2.35	117.65	123.59
27	l	305	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
27	c	609	CLA	CHD-C1D-ND	-2.35	122.29	124.45
35	g	318	II0	C41-C42-C40	-2.35	118.66	123.47
27	B	831	CLA	CHB-C4A-NA	2.35	127.76	124.51
27	j	602	CLA	CBC-CAC-C3C	-2.35	105.95	112.43
27	k	313	CLA	CHD-C1D-ND	-2.35	122.30	124.45
35	O	203	II0	C19-C13-C09	-2.35	121.16	124.35
30	L	201	WVN	C02-C05-C09	-2.35	118.58	121.47
27	e	605	CLA	CBA-CAA-C2A	-2.35	106.93	113.86
35	f	614	II0	C04-C10-C14	-2.35	119.32	122.63
35	b	613	II0	C18-C04-C10	-2.35	106.74	110.47
27	i	306	CLA	CAA-C2A-C1A	-2.35	104.29	111.97
27	B	829	CLA	C11-C12-C13	-2.35	108.34	115.92
37	i	317	KC2	CMA-C3A-C4A	2.35	128.61	125.04
27	f	603	CLA	CAC-C3C-C4C	2.34	127.85	124.81
27	A	827	CLA	O2D-CGD-O1D	-2.34	119.25	123.84
27	B	818	CLA	O2D-CGD-CBD	2.34	115.43	111.27
27	b	606	CLA	C11-C12-C13	-2.34	108.34	115.92
27	B	814	CLA	C2D-C1D-ND	-2.34	108.38	110.10
27	B	806	CLA	O2A-CGA-O1A	-2.34	117.68	123.59
36	R	204	IHT	C40-C41-C38	-2.34	118.67	123.47
27	j	609	CLA	CHB-C4A-NA	2.34	127.75	124.51
27	i	302	CLA	O2A-CGA-O1A	-2.34	117.68	123.59
27	a	306	CLA	O1D-CGD-CBD	2.34	129.28	124.48
35	l	317	II0	C32-C34-C36	-2.34	119.84	126.42
30	R	201	WVN	C18-C06-C13	2.34	114.10	110.30
27	n	609	CLA	CAA-CBA-CGA	-2.34	106.41	113.25
27	h	306	CLA	O2D-CGD-O1D	-2.34	119.26	123.84
27	j	602	CLA	CHD-C1D-ND	-2.34	122.30	124.45
27	j	604	CLA	CMC-C2C-C3C	2.34	132.47	126.12
27	B	829	CLA	O2D-CGD-CBD	2.34	115.43	111.27
35	g	316	II0	C16-C03-C09	-2.34	106.75	110.47
38	i	301	LMU	C2'-C3'-C4'	2.34	115.02	109.68
27	m	606	CLA	C3A-C2A-C1A	2.34	104.84	101.34
27	B	849	CLA	CMC-C2C-C3C	2.34	132.46	126.12
27	s	208	CLA	CHC-C1C-NC	2.34	127.75	124.20
35	f	616	II0	C19-C13-C11	2.34	118.69	114.36
27	B	808	CLA	CMB-C2B-C3B	2.34	129.26	124.69
27	j	608	CLA	CHB-C4A-NA	2.34	127.74	124.51
27	i	305	CLA	C1-C2-C3	-2.34	122.00	126.04
27	e	610	CLA	CAA-CBA-CGA	-2.34	106.42	113.25

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	l	315	II0	C41-C39-C35	-2.34	123.97	127.31
35	k	318	II0	C32-C34-C36	-2.34	119.85	126.42
27	n	606	CLA	O2A-CGA-O1A	-2.34	117.69	123.59
37	k	310	KC2	CBD-CHA-C1A	2.34	133.24	128.88
27	B	829	CLA	CHD-C1D-ND	-2.34	122.31	124.45
35	j	614	II0	C05-C03-C09	2.34	114.35	109.62
27	k	301	CLA	C2D-C1D-ND	-2.34	108.38	110.10
35	f	618	II0	C32-C30-C26	-2.34	119.80	126.58
29	k	319	LHG	O8-C23-C24	2.33	119.23	111.91
27	A	839	CLA	C1-C2-C3	-2.33	122.01	126.04
35	l	313	II0	C05-C03-C09	2.33	114.35	109.62
35	e	614	II0	C29-C31-C33	-2.33	115.94	123.22
35	a	315	II0	C03-C09-C13	-2.33	119.34	122.63
30	B	843	WVN	C21-C15-C13	-2.33	121.91	124.53
27	k	313	CLA	O2A-CGA-O1A	-2.33	117.70	123.59
27	A	812	CLA	C2A-C1A-CHA	2.33	127.94	123.86
34	b	619	LMG	O8-C28-C29	2.33	119.23	111.91
27	O	202	CLA	CBC-CAC-C3C	2.33	118.86	112.43
30	B	844	WVN	C07-C01-C02	2.33	113.08	109.55
35	k	315	II0	C32-C34-C36	-2.33	119.87	126.42
35	b	612	II0	C07-C11-C13	-2.33	107.22	111.85
27	A	801	CLA	CHB-C4A-NA	2.33	127.73	124.51
27	A	809	CLA	O2D-CGD-O1D	-2.33	119.29	123.84
30	B	848	WVN	C06-C13-C15	-2.33	119.33	122.61
27	A	818	CLA	C2D-C1D-ND	-2.33	108.39	110.10
37	d	310	KC2	CBD-CHA-C1A	2.33	133.22	128.88
35	i	313	II0	C05-C03-C09	2.33	114.33	109.62
35	g	317	II0	C30-C32-C34	-2.33	115.96	123.22
36	c	616	IHT	C16-C03-C11	-2.32	106.77	110.47
37	n	612	KC2	O2D-CGD-O1D	-2.32	119.29	123.84
27	g	302	CLA	C3A-C2A-C1A	2.32	104.82	101.34
35	l	302	II0	C06-C08-C12	2.32	113.48	110.30
37	g	313	KC2	CAC-C3C-C4C	2.32	135.29	124.47
27	n	607	CLA	C2C-C1C-NC	2.32	112.15	109.97
27	d	303	CLA	O2D-CGD-O1D	-2.32	119.30	123.84
35	n	618	II0	C15-C03-C09	-2.32	106.78	110.47
27	k	305	CLA	C3A-C2A-C1A	2.32	104.82	101.34
35	m	614	II0	C03-C09-C13	-2.32	119.36	122.63
37	e	609	KC2	C2B-C1B-NB	2.32	111.81	110.10
27	s	202	CLA	O2D-CGD-CBD	2.32	115.39	111.27
29	n	619	LHG	O8-C23-C24	2.32	119.19	111.91
27	g	304	CLA	CAA-C2A-C3A	-2.32	106.43	112.78

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	i	308	CLA	CMA-C3A-C4A	2.32	118.01	111.77
37	e	609	KC2	CAA-CBA-CGA	-2.32	115.34	127.26
27	i	308	CLA	C4D-CHA-C1A	2.32	124.07	121.25
35	c	613	II0	C42-C41-C39	-2.32	118.73	123.47
27	j	609	CLA	C2D-C1D-ND	-2.32	108.40	110.10
27	B	839	CLA	CHA-C1A-NA	-2.32	121.09	126.40
35	b	612	II0	C04-C10-C14	-2.32	119.36	122.63
35	l	313	II0	C20-C14-C12	2.32	118.65	114.36
35	d	313	II0	C06-C08-C12	2.32	113.47	110.30
27	B	828	CLA	CHB-C4A-NA	2.32	127.71	124.51
27	A	828	CLA	O2D-CGD-O1D	-2.32	119.31	123.84
27	F	203	CLA	CMB-C2B-C3B	2.32	129.01	124.68
27	A	811	CLA	C1-C2-C3	-2.32	122.04	126.04
35	a	316	II0	C15-C03-C09	-2.31	106.79	110.47
35	e	612	II0	C17-C04-C10	-2.31	106.79	110.47
37	k	311	KC2	CAB-C3B-C2B	2.31	136.23	128.60
27	k	308	CLA	CHA-C1A-NA	-2.31	121.10	126.40
27	A	812	CLA	O2D-CGD-O1D	-2.31	119.32	123.84
27	A	831	CLA	CHD-C1D-ND	-2.31	122.33	124.45
27	n	605	CLA	C2D-C1D-ND	-2.31	108.40	110.10
28	B	841	PQN	C2M-C2-C3	-2.31	120.63	124.40
35	j	614	II0	C03-C09-C13	-2.31	119.37	122.63
27	B	833	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
27	b	601	CLA	CHD-C1D-ND	-2.31	122.33	124.45
27	b	607	CLA	CMC-C2C-C1C	-2.31	121.52	125.04
27	s	202	CLA	CHD-C1D-C2D	2.31	130.32	125.48
37	d	310	KC2	CAB-C3B-C2B	2.31	136.21	128.60
30	h	309	WVN	C21-C15-C14	2.31	118.05	113.62
35	e	616	II0	C28-C26-C24	2.31	121.41	116.84
30	l	316	WVN	C23-C20-C13	-2.31	120.72	127.20
30	B	847	WVN	C06-C13-C15	-2.31	119.36	122.61
27	m	611	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
36	b	614	IHT	C25-C23-C27	-2.31	119.69	122.92
30	B	845	WVN	C23-C20-C13	-2.31	120.72	127.20
27	n	604	CLA	CGD-CBD-CAD	-2.31	103.26	110.73
27	A	816	CLA	O2A-C1-C2	-2.31	102.57	108.64
30	s	205	WVN	C24-C22-C19	2.31	121.71	118.08
27	a	307	CLA	C2D-C1D-ND	-2.31	108.41	110.10
27	A	841	CLA	CHB-C4A-NA	2.31	127.70	124.51
35	j	614	II0	C32-C30-C26	-2.31	119.89	126.58
35	g	320	II0	C31-C33-C35	-2.30	119.94	126.42
27	B	802	CLA	O1D-CGD-CBD	2.30	129.20	124.48

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	c	614	II0	C27-C25-C23	2.30	121.40	116.84
27	m	611	CLA	CMC-C2C-C3C	2.30	132.37	126.12
27	R	203	CLA	C2A-C1A-CHA	2.30	127.89	123.86
30	B	845	WVN	C12-C14-C15	-2.30	109.97	114.08
27	g	304	CLA	C2A-C1A-CHA	2.30	127.88	123.86
35	e	616	II0	C06-C04-C10	2.30	114.28	109.62
37	g	312	KC2	O2D-CGD-O1D	-2.30	119.34	123.84
36	c	620	IHT	C39-C35-C34	2.30	121.70	118.08
30	L	205	WVN	C20-C23-C25	-2.30	122.76	126.23
35	c	614	II0	C32-C30-C26	-2.30	119.90	126.58
30	M	101	WVN	C35-C32-C31	2.30	121.70	118.08
30	F	205	WVN	C31-C32-C36	-2.30	115.41	118.94
34	J	106	LMG	O8-C28-O10	-2.30	117.79	123.59
27	e	601	CLA	CHA-C1A-NA	-2.30	121.13	126.40
27	B	839	CLA	C2A-C1A-CHA	2.30	127.88	123.86
30	F	204	WVN	C12-C14-C15	-2.30	109.97	114.08
35	b	613	II0	C08-C12-C14	-2.30	107.28	111.85
35	j	613	II0	C18-C04-C17	-2.30	101.48	108.53
35	k	318	II0	C12-C14-C10	-2.30	115.36	120.57
27	A	802	CLA	CAA-CBA-CGA	-2.30	106.54	113.25
27	i	311	CLA	C2C-C1C-NC	2.29	112.12	109.97
27	m	603	CLA	CAA-C2A-C1A	-2.29	104.45	111.97
30	B	848	WVN	C19-C22-C26	-2.29	115.42	118.94
35	g	316	II0	C12-C14-C10	-2.29	115.37	120.57
27	f	605	CLA	CHA-C1A-NA	-2.29	121.15	126.40
27	m	605	CLA	O2D-CGD-O1D	-2.29	119.36	123.84
27	B	804	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
27	l	304	CLA	C1-C2-C3	-2.29	122.08	126.04
27	e	603	CLA	O2D-CGD-O1D	-2.29	119.36	123.84
27	A	826	CLA	O2D-CGD-CBD	2.29	115.34	111.27
27	n	606	CLA	O2D-CGD-CBD	2.29	115.34	111.27
27	m	604	CLA	C11-C12-C13	-2.29	108.51	115.92
36	a	317	IHT	C20-C15-C12	2.29	118.60	114.36
30	J	101	WVN	C02-C05-C09	-2.29	118.65	121.47
27	A	834	CLA	C3A-C2A-C1A	2.29	104.77	101.34
27	A	825	CLA	CMD-C2D-C1D	-2.29	120.68	124.71
27	k	304	CLA	CHC-C1C-C2C	-2.29	120.39	126.72
27	k	306	CLA	CAC-C3C-C2C	-2.29	123.61	127.53
27	B	811	CLA	O2D-CGD-O1D	-2.29	119.36	123.84
27	m	601	CLA	CHD-C1D-ND	-2.29	122.35	124.45
27	d	301	CLA	O2A-CGA-CBA	2.29	119.09	111.91
27	A	834	CLA	O2D-CGD-O1D	-2.29	119.36	123.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	m	612	CLA	C2D-C1D-ND	-2.29	108.42	110.10
27	e	602	CLA	C1-C2-C3	-2.29	123.05	126.75
30	M	101	WVN	C16-C05-C09	-2.29	114.19	122.33
27	f	602	CLA	C4-C3-C5	2.29	119.12	115.27
27	b	607	CLA	CHD-C4C-NC	2.29	127.81	124.20
27	b	609	CLA	CAA-C2A-C3A	-2.29	106.52	112.78
27	f	609	CLA	CHB-C4A-NA	2.28	127.67	124.51
35	g	320	II0	C12-C14-C10	-2.28	115.39	120.57
27	A	841	CLA	CHD-C1D-ND	-2.28	122.36	124.45
27	L	204	CLA	CAC-C3C-C4C	2.28	127.77	124.81
35	n	614	II0	C18-C04-C10	-2.28	106.84	110.47
27	A	826	CLA	C2A-C1A-CHA	2.28	127.85	123.86
27	e	611	CLA	CBA-CAA-C2A	-2.28	107.13	113.86
27	f	613	CLA	C7-C6-C5	-2.28	107.16	113.36
27	f	610	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
27	b	603	CLA	C1-C2-C3	-2.28	122.10	126.04
30	R	202	WVN	C40-C39-C36	-2.28	118.80	123.47
35	c	615	II0	C32-C30-C26	-2.28	119.96	126.58
35	f	615	II0	C27-C25-C23	2.28	121.36	116.84
30	L	201	WVN	C30-C33-C34	-2.28	120.01	126.42
29	l	318	LHG	C5-O7-C7	-2.28	112.18	117.79
27	h	306	CLA	C16-C15-C13	-2.28	108.55	115.92
27	B	825	CLA	CHB-C4A-NA	2.28	127.66	124.51
27	a	312	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
27	d	307	CLA	CHD-C1D-ND	-2.28	122.36	124.45
27	A	836	CLA	O2D-CGD-CBD	2.28	115.32	111.27
35	a	314	II0	C42-C41-C39	-2.28	118.81	123.47
27	h	305	CLA	C4-C3-C5	2.28	118.59	115.98
27	B	840	CLA	CHA-C1A-NA	-2.28	121.18	126.40
27	B	801	CLA	O2A-CGA-O1A	-2.28	117.85	123.59
36	k	317	IHT	C22-C18-C07	-2.28	120.81	127.20
27	B	831	CLA	O2A-C1-C2	2.28	114.61	108.64
27	h	304	CLA	CAA-CBA-CGA	-2.27	106.61	113.25
30	J	101	WVN	C07-C01-C02	2.27	112.99	109.55
27	m	605	CLA	CMA-C3A-C4A	2.27	117.89	111.77
27	e	607	CLA	C4-C3-C5	2.27	119.09	115.27
27	f	606	CLA	CBA-CAA-C2A	-2.27	107.15	113.86
30	O	201	WVN	C18-C06-C13	2.27	113.98	110.30
30	l	316	WVN	C19-C22-C26	2.27	122.43	118.94
27	m	603	CLA	CAC-C3C-C4C	2.27	127.76	124.81
27	f	607	CLA	C4-C3-C2	-2.27	117.85	123.68
27	A	855	CLA	CMD-C2D-C3D	2.27	132.84	127.61

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	B	810	CLA	C14-C13-C12	-2.27	103.07	111.29
30	h	309	WVN	C27-C25-C28	-2.27	119.74	122.92
27	j	605	CLA	O2D-CGD-O1D	-2.27	119.40	123.84
27	R	203	CLA	CHB-C4A-NA	2.27	127.65	124.51
27	b	602	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
35	j	615	II0	C38-C36-C40	-2.27	119.75	122.92
30	e	615	WVN	C23-C20-C13	-2.27	120.83	127.20
35	f	614	II0	C17-C04-C10	-2.27	106.86	110.47
35	f	614	II0	C18-C04-C10	-2.27	106.86	110.47
29	f	619	LHG	C5-O7-C7	-2.27	112.21	117.79
35	O	203	II0	C30-C32-C34	-2.27	116.14	123.22
36	n	617	IHT	C41-C40-C37	-2.27	118.83	123.47
27	B	810	CLA	C3A-C2A-C1A	2.27	104.73	101.34
27	k	308	CLA	C2A-C1A-CHA	2.27	127.82	123.86
27	A	842	CLA	O2D-CGD-O1D	-2.27	119.41	123.84
27	k	305	CLA	CMD-C2D-C1D	-2.27	120.72	124.71
38	i	301	LMU	O5'-C5'-C4'	2.26	114.53	109.75
37	m	610	KC2	CAA-CBA-CGA	-2.26	115.62	127.26
27	j	602	CLA	CMC-C2C-C1C	2.26	128.49	125.04
27	m	607	CLA	O2D-CGD-O1D	-2.26	119.41	123.84
35	k	316	II0	C28-C26-C24	2.26	121.32	116.84
27	d	307	CLA	CMA-C3A-C2A	-2.26	110.82	116.10
27	B	828	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
27	b	606	CLA	C4-C3-C2	-2.26	117.87	123.68
35	a	314	II0	C17-C04-C10	-2.26	106.87	110.47
27	F	202	CLA	CHA-C1A-NA	-2.26	121.22	126.40
30	A	847	WVN	C06-C13-C15	-2.26	119.43	122.61
27	a	305	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
27	k	309	CLA	CAA-CBA-CGA	-2.26	106.64	113.25
30	R	202	WVN	C21-C15-C14	2.26	117.96	113.62
27	A	828	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
27	a	305	CLA	C2D-C1D-ND	-2.26	108.44	110.10
30	B	846	WVN	C03-C04-C09	-2.26	108.24	112.00
35	k	318	II0	C42-C41-C39	-2.26	118.84	123.47
35	f	618	II0	C06-C08-C12	2.26	113.40	110.30
35	f	615	II0	C42-C41-C39	-2.26	118.84	123.47
30	L	205	WVN	C27-C25-C28	-2.26	119.76	122.92
30	K	103	WVN	C07-C01-C02	2.26	112.97	109.55
35	n	615	II0	C27-C25-C23	2.26	121.31	116.84
27	f	602	CLA	CMC-C2C-C1C	2.26	128.48	125.04
27	k	313	CLA	CAA-C2A-C3A	-2.26	106.60	112.78
30	s	205	WVN	C30-C33-C34	-2.26	120.08	126.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	s	209	CLA	CHD-C1D-ND	-2.26	122.38	124.45
27	A	804	CLA	CBA-CAA-C2A	2.26	120.52	113.86
35	l	315	II0	C17-C04-C10	-2.25	106.88	110.47
37	k	312	KC2	O2D-CGD-CBD	2.25	115.27	111.27
27	A	816	CLA	CAA-C2A-C1A	2.25	119.36	111.97
35	l	314	II0	O02-C08-C06	-2.25	105.33	109.80
30	h	309	WVN	C28-C30-C33	2.25	130.25	123.22
27	n	604	CLA	CAA-C2A-C3A	-2.25	106.61	112.78
27	g	310	CLA	CBA-CAA-C2A	2.25	120.51	113.86
36	O	204	IHT	C03-C05-C08	2.25	118.73	113.64
36	O	204	IHT	C20-C15-C12	2.25	118.52	114.36
27	a	313	CLA	O1D-CGD-CBD	2.25	129.09	124.48
37	k	312	KC2	CAA-CBA-CGA	-2.25	115.70	127.26
30	A	846	WVN	C29-C26-C22	-2.25	124.10	127.31
37	k	310	KC2	CAB-C3B-C2B	2.25	136.01	128.60
35	i	314	II0	C28-C26-C24	2.25	121.29	116.84
30	O	201	WVN	C23-C25-C28	-2.25	115.49	118.94
27	n	610	CLA	CHB-C4A-NA	2.25	127.62	124.51
35	f	615	II0	C20-C14-C12	2.25	118.52	114.36
35	d	312	II0	C20-C14-C10	-2.25	121.30	124.35
27	d	303	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
37	c	610	KC2	CAB-C3B-C4B	-2.25	119.47	124.90
27	A	852	CLA	O2A-CGA-O1A	-2.25	117.93	123.59
27	d	304	CLA	CAA-C2A-C1A	-2.25	104.62	111.97
27	k	302	CLA	C3A-C2A-C1A	2.24	104.70	101.34
35	l	314	II0	C16-C03-C09	-2.24	106.90	110.47
36	c	616	IHT	C36-C33-C37	-2.24	119.78	122.92
27	h	302	CLA	O2A-CGA-O1A	-2.24	117.93	123.59
27	j	612	CLA	C2D-C1D-ND	-2.24	108.45	110.10
27	a	308	CLA	O2A-CGA-O1A	-2.24	117.93	123.59
27	b	611	CLA	CAC-C3C-C4C	2.24	127.72	124.81
27	m	612	CLA	C2C-C1C-NC	2.24	112.07	109.97
30	F	204	WVN	C40-C39-C36	2.24	128.07	123.47
27	a	308	CLA	CMB-C2B-C3B	2.24	128.87	124.68
27	B	815	CLA	C1-O2A-CGA	2.24	122.33	116.44
27	c	607	CLA	O1D-CGD-CBD	2.24	129.07	124.48
35	m	613	II0	C38-C36-C34	2.24	121.61	118.08
27	A	855	CLA	C2A-C1A-CHA	2.24	127.78	123.86
36	g	319	IHT	C29-C31-C34	-2.24	116.22	123.22
27	m	607	CLA	CHA-C1A-NA	-2.24	121.27	126.40
27	A	816	CLA	C1-C2-C3	2.24	129.92	126.04
35	l	302	II0	C30-C32-C34	-2.24	116.23	123.22

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	e	617	LHG	O7-C7-O9	-2.24	118.29	123.70
27	A	809	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
35	h	311	II0	C31-C29-C25	-2.24	120.08	126.58
37	i	317	KC2	C3D-CAD-CBD	-2.24	104.66	107.61
35	b	612	II0	C31-C33-C35	-2.24	120.13	126.42
27	a	309	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
30	B	844	WVN	C39-C40-C37	-2.24	118.89	123.47
35	k	314	II0	C38-C36-C34	2.24	121.60	118.08
27	A	855	CLA	CAA-C2A-C1A	2.24	119.31	111.97
30	A	849	WVN	C06-C13-C15	-2.24	119.46	122.61
27	f	603	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
27	j	604	CLA	C16-C15-C13	-2.24	108.69	115.92
27	F	202	CLA	C1-C2-C3	-2.24	122.17	126.04
27	m	607	CLA	CHD-C1D-ND	-2.24	122.40	124.45
37	i	317	KC2	CAA-CBA-CGA	-2.24	115.77	127.26
27	n	607	CLA	CHC-C1C-C2C	-2.24	120.54	126.72
35	m	615	II0	C03-C09-C13	-2.23	119.48	122.63
27	A	855	CLA	CMD-C2D-C1D	-2.23	120.78	124.71
27	g	309	CLA	O2A-CGA-O1A	-2.23	117.96	123.59
30	M	101	WVN	C40-C39-C36	-2.23	118.90	123.47
37	k	311	KC2	C2A-C1A-NA	2.23	112.98	109.40
27	B	809	CLA	CMC-C2C-C1C	-2.23	121.64	125.04
37	s	204	KC2	CBD-CHA-C1A	2.23	133.04	128.88
27	B	822	CLA	C7-C6-C5	-2.23	107.30	113.36
36	b	614	IHT	C03-C11-C15	-2.23	119.48	122.63
27	B	829	CLA	C16-C15-C13	-2.23	108.71	115.92
27	B	810	CLA	C11-C12-C13	-2.23	108.72	115.92
35	c	615	II0	C38-C36-C34	2.23	121.59	118.08
27	n	613	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
27	A	815	CLA	CHB-C4A-NA	2.23	127.59	124.51
35	b	615	II0	C31-C33-C35	-2.23	120.16	126.42
35	b	615	II0	C18-C04-C17	-2.23	101.69	108.53
35	a	315	II0	C42-C41-C39	-2.23	118.91	123.47
27	j	609	CLA	C11-C12-C13	-2.23	108.72	115.92
27	A	839	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
30	I	101	WVN	C23-C25-C28	-2.22	115.53	118.94
27	h	301	CLA	CHB-C4A-NA	2.22	127.59	124.51
27	e	602	CLA	CHD-C1D-ND	-2.22	122.41	124.45
27	l	308	CLA	CHD-C1D-ND	-2.22	122.41	124.45
27	i	308	CLA	C2A-C1A-CHA	2.22	127.75	123.86
27	l	312	CLA	C7-C6-C5	-2.22	107.32	113.36
30	h	309	WVN	C19-C22-C26	2.22	122.35	118.94

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	f	603	CLA	C2D-C1D-ND	-2.22	108.47	110.10
29	k	319	LHG	O4-P-O5	2.22	123.22	112.24
37	k	312	KC2	CAB-C3B-C4B	-2.22	119.53	124.90
27	l	303	CLA	CAA-CBA-CGA	-2.22	106.76	113.25
27	g	303	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
30	h	309	WVN	C08-C01-C02	-2.22	106.18	109.55
27	h	304	CLA	CMD-C2D-C3D	2.22	132.72	127.61
36	j	616	IHT	C03-C11-C15	-2.22	119.50	122.63
35	h	312	II0	C29-C31-C33	-2.22	116.29	123.22
27	j	609	CLA	CHC-C1C-C2C	-2.22	120.58	126.72
37	n	612	KC2	CBD-CHA-C1A	2.22	133.02	128.88
35	d	314	II0	C03-C09-C13	-2.22	119.50	122.63
27	n	603	CLA	C3A-C2A-C1A	2.22	104.66	101.34
27	a	310	CLA	CMC-C2C-C1C	-2.22	121.66	125.04
35	b	613	II0	C30-C32-C34	-2.22	116.30	123.22
35	k	316	II0	C30-C32-C34	-2.22	116.30	123.22
27	c	609	CLA	O2D-CGD-CBD	2.22	115.21	111.27
35	a	314	II0	C12-C14-C10	-2.22	115.54	120.57
27	B	838	CLA	C1-C2-C3	-2.22	122.21	126.04
35	d	313	II0	C32-C30-C26	-2.22	120.14	126.58
27	A	829	CLA	CHB-C4A-NA	2.22	127.58	124.51
27	l	307	CLA	CAA-C2A-C1A	2.22	119.24	111.97
27	c	601	CLA	O2A-C1-C2	2.22	114.46	108.64
36	b	614	IHT	C18-C22-C23	2.22	129.58	126.23
27	k	309	CLA	CMD-C2D-C3D	-2.22	122.52	127.61
27	B	808	CLA	CHD-C1D-ND	-2.22	122.42	124.45
27	A	817	CLA	C16-C15-C13	-2.22	108.76	115.92
27	B	819	CLA	O2A-CGA-O1A	-2.21	118.00	123.59
27	A	828	CLA	CHB-C4A-NA	2.21	127.57	124.51
27	a	307	CLA	CHD-C4C-C3C	2.21	128.09	124.84
27	h	302	CLA	CHB-C4A-NA	2.21	127.57	124.51
36	k	317	IHT	C25-C23-C22	2.21	121.56	118.08
35	k	318	II0	C32-C30-C26	-2.21	120.16	126.58
37	g	312	KC2	CAA-CBA-CGA	-2.21	115.89	127.26
35	e	612	II0	C38-C36-C34	2.21	121.56	118.08
29	i	316	LHG	O7-C7-O9	-2.21	118.36	123.70
27	B	804	CLA	CHB-C4A-NA	2.21	127.57	124.51
28	A	843	PQN	C2M-C2-C3	-2.21	120.79	124.40
27	e	601	CLA	O2D-CGD-O1D	-2.21	119.52	123.84
27	f	602	CLA	CMA-C3A-C2A	-2.21	104.91	113.83
36	k	317	IHT	C28-C26-C24	2.21	121.22	116.84
27	B	836	CLA	C11-C10-C8	-2.21	108.78	115.92

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	801	CLA	CBA-CAA-C2A	-2.21	107.34	113.86
27	s	203	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
35	j	613	II0	C16-C03-C09	-2.21	106.96	110.47
27	A	819	CLA	CHA-C1A-NA	-2.21	121.34	126.40
27	n	602	CLA	CHD-C1D-ND	-2.21	122.42	124.45
27	h	308	CLA	CBA-CAA-C2A	2.21	120.38	113.86
27	A	816	CLA	O2D-CGD-CBD	2.21	115.19	111.27
35	h	312	II0	C30-C32-C34	-2.21	116.32	123.22
37	g	313	KC2	C3D-CAD-CBD	-2.21	104.70	107.61
27	i	311	CLA	O2D-CGD-O1D	-2.21	119.52	123.84
29	A	845	LHG	C9-C8-C7	-2.21	105.59	113.62
29	n	619	LHG	C6-C5-C4	-2.21	106.57	111.79
27	B	833	CLA	CMB-C2B-C3B	2.21	128.81	124.68
35	c	615	II0	C37-C35-C33	2.21	121.55	118.08
27	g	315	CLA	C1-C2-C3	-2.21	122.23	126.04
27	s	208	CLA	C2A-C1A-CHA	2.21	127.72	123.86
27	k	304	CLA	O1A-CGA-CBA	2.21	130.16	123.08
35	m	613	II0	C30-C32-C34	-2.20	116.34	123.22
27	b	607	CLA	CHB-C4A-NA	2.20	127.56	124.51
27	c	612	CLA	CAA-CBA-CGA	-2.20	106.81	113.25
27	i	308	CLA	C4D-C3D-CAD	-2.20	105.50	108.10
38	i	301	LMU	C4B-C3B-C2B	2.20	114.67	110.82
31	a	320	LMT	C1-O1'-C1'	-2.20	110.19	113.84
27	B	820	CLA	C16-C15-C13	-2.20	108.80	115.92
35	l	317	II0	C17-C04-C10	-2.20	106.97	110.47
34	c	619	LMG	O7-C8-C9	2.20	116.38	108.40
35	e	613	II0	C19-C13-C09	-2.20	121.36	124.35
27	B	830	CLA	C2A-C1A-CHA	2.20	127.71	123.86
27	f	613	CLA	C3A-C2A-C1A	2.20	104.64	101.34
27	A	806	CLA	O2D-CGD-CBD	2.20	115.18	111.27
27	A	818	CLA	O2D-CGD-CBD	2.20	115.18	111.27
27	c	605	CLA	C4-C3-C5	2.20	118.50	115.98
27	l	306	CLA	C16-C15-C13	-2.20	108.81	115.92
35	a	315	II0	C27-C25-C23	2.20	121.19	116.84
35	k	315	II0	C31-C33-C35	-2.20	120.24	126.42
27	B	820	CLA	C5-C3-C2	2.20	125.56	121.12
27	j	603	CLA	C2A-C1A-CHA	2.20	127.70	123.86
27	f	606	CLA	C1-C2-C3	-2.20	122.24	126.04
30	F	204	WVN	C07-C01-C02	2.20	112.87	109.55
27	B	839	CLA	C1-O2A-CGA	2.20	122.21	116.44
27	i	312	CLA	C2A-C1A-CHA	2.20	127.70	123.86
35	b	615	II0	C06-C08-C12	2.20	113.31	110.30

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	L	205	WVN	C35-C32-C36	-2.20	119.85	122.92
27	A	824	CLA	CAC-C3C-C4C	2.20	127.66	124.81
27	A	806	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
27	f	613	CLA	C2A-C1A-CHA	2.20	127.70	123.86
30	i	315	WVN	C14-C15-C13	-2.20	119.54	122.73
35	h	311	II0	C16-C03-C09	-2.20	106.98	110.47
27	s	208	CLA	CMC-C2C-C1C	-2.20	121.70	125.04
27	f	606	CLA	CMB-C2B-C3B	2.20	128.78	124.68
27	A	827	CLA	CBA-CAA-C2A	2.19	120.34	113.86
27	j	601	CLA	CHD-C1D-ND	-2.19	122.44	124.45
35	i	313	II0	C41-C42-C40	-2.19	118.98	123.47
27	A	806	CLA	CHB-C4A-NA	2.19	127.55	124.51
29	J	107	LHG	C5-O7-C7	-2.19	112.39	117.79
27	A	816	CLA	C6-C7-C8	-2.19	108.83	115.92
31	A	851	LMT	O1B-C1B-C2B	2.19	113.78	108.10
27	a	311	CLA	C2A-C1A-CHA	2.19	127.69	123.86
35	l	314	II0	C27-C25-C23	2.19	121.18	116.84
35	i	318	II0	C41-C42-C40	-2.19	118.98	123.47
27	L	204	CLA	O2D-CGD-O1D	-2.19	119.55	123.84
29	j	617	LHG	O7-C7-O9	-2.19	118.40	123.70
30	s	207	WVN	C08-C01-C07	-2.19	104.66	107.89
27	f	610	CLA	C4-C3-C5	2.19	118.96	115.27
27	l	306	CLA	C12-C11-C10	-2.19	103.17	113.24
27	c	607	CLA	O2D-CGD-O1D	-2.19	119.55	123.84
27	s	203	CLA	C5-C3-C2	-2.19	116.68	121.12
27	K	101	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
27	m	605	CLA	CHB-C4A-NA	2.19	127.54	124.51
27	c	607	CLA	CAA-C2A-C3A	-2.19	106.78	112.78
27	m	604	CLA	CAC-C3C-C2C	2.19	131.28	127.53
27	m	602	CLA	CMC-C2C-C1C	2.19	128.38	125.04
27	B	832	CLA	CBA-CAA-C2A	2.19	120.33	113.86
27	e	610	CLA	CHD-C1D-ND	-2.19	122.44	124.45
27	b	602	CLA	O2A-CGA-CBA	2.19	118.78	111.91
27	B	834	CLA	CHA-C1A-NA	-2.19	121.38	126.40
30	A	848	WVN	C07-C01-C02	-2.19	106.23	109.55
35	e	616	II0	C31-C33-C35	-2.19	120.27	126.42
35	a	314	II0	C29-C31-C33	-2.19	116.39	123.22
35	a	318	II0	C03-C09-C13	-2.19	119.54	122.63
27	A	813	CLA	C3A-C2A-C1A	2.19	104.62	101.34
30	L	201	WVN	C40-C39-C36	-2.19	118.99	123.47
27	c	607	CLA	C2A-C1A-CHA	2.19	127.68	123.86
37	d	310	KC2	CAA-CBA-CGA	-2.19	116.02	127.26

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	f	618	II0	C27-C25-C23	2.19	121.17	116.84
27	O	206	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
27	a	307	CLA	C2A-C1A-CHA	2.19	127.68	123.86
27	A	840	CLA	C1-O2A-CGA	-2.19	110.71	116.44
27	e	607	CLA	CAA-CBA-CGA	-2.19	106.86	113.25
27	B	829	CLA	CMA-C3A-C2A	-2.19	105.01	113.83
27	m	609	CLA	CGD-CBD-CAD	2.19	117.81	110.73
27	e	606	CLA	C2A-C1A-CHA	2.19	127.68	123.86
27	F	201	CLA	C11-C12-C13	-2.19	108.85	115.92
35	e	614	II0	C38-C36-C34	2.19	121.52	118.08
27	B	832	CLA	CHD-C1D-ND	-2.19	122.45	124.45
27	A	829	CLA	O2A-CGA-O1A	-2.18	118.08	123.59
27	A	840	CLA	CHD-C1D-ND	-2.18	122.45	124.45
27	A	832	CLA	C11-C10-C8	-2.18	108.86	115.92
27	A	826	CLA	C3A-C2A-C1A	2.18	104.61	101.34
35	d	312	II0	C31-C33-C35	-2.18	120.28	126.42
27	b	606	CLA	C1-C2-C3	-2.18	122.27	126.04
35	l	302	II0	C33-C35-C39	-2.18	115.59	118.94
27	b	608	CLA	C11-C12-C13	-2.18	108.87	115.92
35	n	616	II0	C32-C30-C26	-2.18	120.25	126.58
27	s	208	CLA	CMC-C2C-C3C	2.18	132.04	126.12
27	a	303	CLA	CHA-C1A-NA	-2.18	121.40	126.40
27	A	818	CLA	O2A-C1-C2	2.18	114.37	108.64
27	i	304	CLA	O2A-C1-C2	2.18	114.37	108.64
27	l	309	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
27	B	839	CLA	O1D-CGD-CBD	2.18	128.95	124.48
27	f	610	CLA	CHD-C1D-ND	-2.18	122.45	124.45
30	R	201	WVN	C07-C01-C03	-2.18	104.54	109.03
27	e	610	CLA	CHA-C1A-NA	-2.18	121.41	126.40
27	f	604	CLA	CBA-CAA-C2A	2.18	120.30	113.86
27	A	840	CLA	C2A-C1A-CHA	2.18	127.67	123.86
27	l	306	CLA	O1D-CGD-CBD	2.18	128.94	124.48
27	n	609	CLA	CGD-CBD-CAD	2.18	117.79	110.73
27	L	202	CLA	CAA-CBA-CGA	-2.18	106.89	113.25
36	b	614	IHT	C06-C09-C10	2.18	117.97	114.08
27	f	612	CLA	CHB-C4A-NA	2.18	127.52	124.51
27	B	832	CLA	C5-C3-C2	-2.18	116.71	121.12
27	k	306	CLA	O2A-C1-C2	2.18	114.35	108.64
27	F	201	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
27	L	204	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
37	s	204	KC2	CAA-C2A-C1A	2.18	134.74	124.75
27	A	802	CLA	O2A-CGA-CBA	2.17	118.73	111.91

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	n	615	II0	C03-C09-C13	-2.17	119.56	122.63
27	s	206	CLA	O2A-CGA-O1A	-2.17	118.10	123.59
30	B	846	WVN	C02-C05-C09	-2.17	118.79	121.47
27	f	607	CLA	CAC-C3C-C4C	2.17	127.63	124.81
27	K	102	CLA	CHA-C1A-NA	-2.17	121.42	126.40
37	m	610	KC2	CAB-C3B-C4B	-2.17	119.65	124.90
35	b	612	II0	C06-C04-C10	2.17	114.02	109.62
27	b	609	CLA	C2A-C1A-CHA	2.17	127.66	123.86
27	B	822	CLA	CHA-C4D-ND	2.17	137.04	132.50
27	m	608	CLA	O2D-CGD-O1D	-2.17	119.59	123.84
27	a	313	CLA	CHB-C4A-NA	2.17	127.51	124.51
27	B	811	CLA	CAA-C2A-C3A	-2.17	106.83	112.78
27	A	838	CLA	C2D-C1D-ND	-2.17	108.50	110.10
30	M	101	WVN	C26-C29-C31	-2.17	116.45	123.22
35	j	614	II0	C31-C33-C35	-2.17	120.32	126.42
27	A	839	CLA	CHD-C1D-ND	-2.17	122.46	124.45
27	s	203	CLA	C2D-C1D-ND	-2.17	108.51	110.10
30	A	848	WVN	C12-C10-C06	-2.17	106.85	114.60
27	B	834	CLA	C4-C3-C5	2.17	118.92	115.27
27	A	804	CLA	CHD-C1D-ND	-2.17	122.46	124.45
35	i	314	II0	C07-C11-C13	2.17	116.17	111.85
27	B	804	CLA	CHA-C1A-NA	-2.17	121.44	126.40
31	b	616	LMT	C1-O1'-C1'	2.17	117.43	113.84
37	k	311	KC2	O1D-CGD-CBD	-2.17	120.05	124.48
30	B	846	WVN	C39-C36-C32	-2.17	124.22	127.31
27	i	309	CLA	C2C-C1C-NC	2.16	112.00	109.97
37	s	201	KC2	CAB-C3B-C2B	2.16	135.74	128.60
35	c	615	II0	C30-C32-C34	-2.16	116.46	123.22
27	B	825	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
27	f	609	CLA	C4-C3-C5	2.16	118.91	115.27
37	g	313	KC2	CAB-C3B-C4B	-2.16	119.67	124.90
27	e	611	CLA	C3A-C2A-C1A	2.16	104.58	101.34
36	R	204	IHT	C28-C26-C24	2.16	121.12	116.84
27	j	601	CLA	O2D-CGD-CBD	2.16	115.11	111.27
27	l	309	CLA	O1D-CGD-CBD	2.16	128.91	124.48
27	f	613	CLA	CGD-CBD-CAD	2.16	117.73	110.73
35	j	613	II0	C03-C09-C13	-2.16	119.58	122.63
27	B	813	CLA	CHD-C1D-ND	-2.16	122.47	124.45
37	n	611	KC2	CAB-C3B-C4B	-2.16	119.68	124.90
27	g	308	CLA	C2D-C1D-ND	-2.16	108.51	110.10
27	B	802	CLA	CHD-C1D-ND	-2.16	122.47	124.45
35	h	311	II0	C03-C09-C13	-2.16	119.58	122.63

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	g	302	CLA	CHA-C1A-NA	-2.16	121.45	126.40
35	b	613	II0	C06-C04-C10	2.16	114.00	109.62
35	f	614	II0	C06-C04-C10	2.16	114.00	109.62
35	j	614	II0	C27-C25-C23	2.16	121.11	116.84
27	i	307	CLA	CHD-C1D-ND	-2.16	122.47	124.45
29	i	316	LHG	O4-P-O5	2.16	122.91	112.24
27	g	304	CLA	CHA-C1A-NA	-2.16	121.45	126.40
27	n	604	CLA	C1B-CHB-C4A	-2.16	125.84	130.12
27	s	209	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
27	m	605	CLA	CHA-C1A-NA	-2.16	121.46	126.40
35	l	315	II0	C30-C32-C34	-2.16	116.48	123.22
27	d	308	CLA	CMC-C2C-C3C	2.16	131.97	126.12
27	a	303	CLA	O2D-CGD-CBD	2.16	115.10	111.27
27	A	807	CLA	O2A-C1-C2	-2.16	102.97	108.64
30	K	103	WVN	C19-C22-C26	-2.16	115.63	118.94
27	A	826	CLA	CMC-C2C-C3C	2.16	131.97	126.12
27	h	302	CLA	CAC-C3C-C4C	2.16	127.61	124.81
30	B	844	WVN	C35-C32-C31	2.16	121.47	118.08
27	g	306	CLA	CHA-C1A-NA	-2.16	121.46	126.40
27	l	304	CLA	C5-C3-C2	-2.16	116.76	121.12
27	j	606	CLA	C2A-C1A-CHA	2.15	127.63	123.86
27	B	822	CLA	CHA-C1A-NA	-2.15	121.46	126.40
37	k	311	KC2	O2D-CGD-CBD	2.15	115.10	111.27
27	l	307	CLA	C2C-C1C-NC	2.15	111.99	109.97
27	A	804	CLA	C6-C7-C8	-2.15	108.96	115.92
36	a	317	IHT	C05-C08-C12	2.15	113.25	110.30
37	g	312	KC2	CMB-C2B-C1B	2.15	128.51	124.71
27	n	613	CLA	CHB-C4A-NA	2.15	127.49	124.51
27	b	607	CLA	CMD-C2D-C3D	2.15	132.57	127.61
35	f	616	II0	C28-C26-C24	2.15	121.10	116.84
27	A	822	CLA	O2D-CGD-CBD	2.15	115.09	111.27
27	A	835	CLA	C6-C7-C8	-2.15	108.97	115.92
35	i	314	II0	C41-C42-C40	-2.15	119.07	123.47
35	a	318	II0	C15-C03-C09	-2.15	107.05	110.47
27	m	607	CLA	C1-C2-C3	-2.15	122.32	126.04
35	h	312	II0	C06-C04-C10	2.15	113.98	109.62
27	B	822	CLA	C2A-C1A-CHA	2.15	127.62	123.86
27	B	816	CLA	C1-C2-C3	-2.15	122.33	126.04
35	a	314	II0	C32-C34-C36	-2.15	120.38	126.42
27	A	806	CLA	C6-C7-C8	-2.15	108.97	115.92
27	B	840	CLA	C11-C12-C13	-2.15	108.97	115.92
35	g	318	II0	C31-C33-C35	-2.15	120.38	126.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
37	e	609	KC2	CAB-C3B-C4B	-2.15	119.71	124.90
36	f	617	IHT	C28-C26-C24	2.15	121.09	116.84
27	R	203	CLA	O2D-CGD-O1D	-2.15	119.64	123.84
27	B	808	CLA	C1B-CHB-C4A	-2.15	125.87	130.12
35	k	318	II0	C30-C32-C34	-2.15	116.52	123.22
27	i	312	CLA	O2A-CGA-O1A	-2.15	118.18	123.59
27	s	206	CLA	CHD-C1D-ND	-2.15	122.48	124.45
27	g	308	CLA	C3C-C4C-NC	-2.15	108.17	110.57
27	B	837	CLA	C1-O2A-CGA	2.15	122.07	116.44
27	s	208	CLA	O1D-CGD-CBD	2.15	128.87	124.48
35	m	614	II0	C17-C04-C10	-2.14	107.06	110.47
27	b	609	CLA	C1-C2-C3	-2.14	122.33	126.04
37	l	311	KC2	CMB-C2B-C1B	2.14	128.49	124.71
35	c	615	II0	C28-C26-C24	2.14	121.08	116.84
36	g	319	IHT	C36-C33-C32	2.14	121.45	118.08
27	O	206	CLA	CHA-C1A-NA	-2.14	121.49	126.40
35	l	313	II0	C18-C04-C10	-2.14	107.06	110.47
27	A	831	CLA	C1-C2-C3	-2.14	122.34	126.04
27	B	836	CLA	C2D-C1D-ND	-2.14	108.53	110.10
27	A	839	CLA	CHB-C4A-NA	2.14	127.47	124.51
27	m	605	CLA	C2A-C1A-CHA	2.14	127.60	123.86
27	n	610	CLA	C2A-C1A-CHA	2.14	127.60	123.86
35	g	317	II0	C32-C30-C26	-2.14	120.37	126.58
35	d	312	II0	C11-C13-C09	-2.14	115.71	120.57
27	a	311	CLA	C6-C7-C8	-2.14	109.00	115.92
27	m	611	CLA	C2A-C1A-CHA	2.14	127.60	123.86
30	i	315	WVN	C08-C01-C07	-2.14	104.74	107.89
27	l	312	CLA	CHB-C4A-NA	2.14	127.47	124.51
27	g	309	CLA	CAA-C2A-C3A	-2.14	106.92	112.78
27	l	307	CLA	C3A-C2A-C1A	2.14	104.54	101.34
27	g	315	CLA	C4A-NA-C1A	2.14	107.67	106.71
27	d	308	CLA	CMC-C2C-C1C	-2.14	121.78	125.04
27	h	304	CLA	O2D-CGD-CBD	2.14	115.07	111.27
27	A	834	CLA	CBA-CAA-C2A	-2.14	107.55	113.86
27	B	801	CLA	CBA-CAA-C2A	-2.14	107.55	113.86
27	A	813	CLA	C1D-ND-C4D	-2.14	104.82	106.33
27	B	833	CLA	O2D-CGD-CBD	2.14	115.06	111.27
27	B	836	CLA	C2A-C1A-CHA	2.14	127.59	123.86
30	F	205	WVN	C21-C15-C13	-2.14	122.13	124.53
35	h	310	II0	C16-C03-C09	-2.14	107.07	110.47
27	c	611	CLA	CBC-CAC-C3C	2.14	118.32	112.43
27	a	307	CLA	CGD-CBD-CAD	2.14	117.65	110.73

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	819	CLA	C2C-C1C-NC	2.13	111.97	109.97
27	f	602	CLA	O2A-CGA-O1A	-2.13	118.20	123.59
35	f	618	II0	C19-C13-C11	2.13	118.31	114.36
27	l	308	CLA	O2D-CGD-O1D	-2.13	119.67	123.84
35	k	318	II0	C41-C42-C40	-2.13	119.10	123.47
27	m	607	CLA	C2A-C1A-CHA	2.13	127.59	123.86
27	B	831	CLA	C7-C6-C5	-2.13	107.57	113.36
27	g	302	CLA	C1B-CHB-C4A	-2.13	125.89	130.12
37	g	314	KC2	C3D-CAD-CBD	-2.13	104.80	107.61
35	b	613	II0	C04-C10-C14	-2.13	119.62	122.63
27	F	203	CLA	CHD-C1D-ND	-2.13	122.50	124.45
27	A	853	CLA	C2D-C1D-ND	-2.13	108.53	110.10
27	K	102	CLA	CHC-C1C-NC	2.13	127.44	124.20
35	g	316	II0	C06-C04-C10	2.13	113.94	109.62
37	g	314	KC2	CAB-C3B-C4B	-2.13	119.75	124.90
35	i	318	II0	O02-C08-C12	-2.13	105.11	109.68
27	g	306	CLA	C2A-C1A-CHA	2.13	127.58	123.86
35	n	616	II0	C05-C03-C09	2.13	113.93	109.62
27	J	105	CLA	CHA-C4D-ND	2.13	136.95	132.50
35	g	320	II0	C38-C36-C40	-2.13	119.94	122.92
30	L	205	WVN	C29-C31-C32	-2.13	120.44	126.42
27	a	303	CLA	C2A-C1A-CHA	2.13	127.58	123.86
35	c	614	II0	C03-C09-C13	-2.13	119.63	122.63
29	c	621	LHG	C5-O7-C7	-2.13	112.56	117.79
30	R	201	WVN	C26-C29-C31	-2.13	116.58	123.22
30	F	205	WVN	C33-C34-C37	2.13	122.20	118.94
35	m	615	II0	C29-C31-C33	-2.12	116.59	123.22
27	B	822	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
27	h	305	CLA	CHD-C1D-ND	-2.12	122.50	124.45
36	m	616	IHT	C40-C41-C38	-2.12	119.12	123.47
27	A	828	CLA	CHA-C1A-NA	-2.12	121.53	126.40
27	d	305	CLA	CHD-C4C-NC	2.12	127.55	124.20
27	B	803	CLA	O2A-C1-C2	-2.12	103.05	108.64
36	c	620	IHT	C04-C02-C07	2.12	113.75	110.48
27	e	605	CLA	CGD-CBD-CAD	-2.12	103.86	110.73
27	f	612	CLA	CHA-C1A-NA	-2.12	121.53	126.40
27	c	607	CLA	CHA-C1A-NA	-2.12	121.54	126.40
35	j	613	II0	C06-C08-C12	2.12	113.21	110.30
27	A	824	CLA	CAA-CBA-CGA	-2.12	107.05	113.25
35	i	313	II0	C04-C10-C14	-2.12	119.64	122.63
27	i	304	CLA	O2D-CGD-O1D	-2.12	119.69	123.84
35	a	314	II0	C38-C36-C34	2.12	121.42	118.08

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	M	101	WVN	C28-C30-C33	-2.12	116.60	123.22
27	A	841	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
29	g	321	LHG	C25-C24-C23	-2.12	105.91	113.62
27	j	601	CLA	CHB-C4A-NA	2.12	127.44	124.51
31	A	851	LMT	O5'-C1'-O1'	-2.12	104.95	109.97
27	J	105	CLA	CAA-C2A-C1A	2.12	118.92	111.97
27	i	303	CLA	CBC-CAC-C3C	-2.12	106.58	112.43
35	l	302	II0	C38-C36-C34	2.12	121.42	118.08
27	j	609	CLA	C1C-C2C-C3C	-2.12	104.73	106.96
37	f	611	KC2	CBA-CAA-C2A	2.12	133.35	125.27
37	g	314	KC2	CAA-CBA-CGA	-2.12	116.37	127.26
27	j	612	CLA	CHD-C1D-ND	-2.12	122.51	124.45
27	B	809	CLA	CHC-C1C-NC	2.12	127.42	124.20
27	B	831	CLA	C3A-C2A-C1A	2.12	104.51	101.34
27	i	311	CLA	CMC-C2C-C1C	-2.12	121.81	125.04
29	l	318	LHG	O7-C7-O9	-2.12	118.58	123.70
27	i	309	CLA	C3D-C2D-C1D	2.12	108.72	105.83
27	J	105	CLA	C1-C2-C3	-2.12	122.38	126.04
34	b	619	LMG	C9-C8-C7	-2.12	106.78	111.79
27	B	807	CLA	O2D-CGD-CBD	2.11	115.03	111.27
27	B	812	CLA	C2A-C1A-CHA	2.11	127.56	123.86
37	j	610	KC2	CBD-CHA-C1A	2.11	132.82	128.88
35	l	315	II0	C08-C12-C14	2.11	116.06	111.85
27	c	612	CLA	C3C-C4C-NC	-2.11	108.20	110.57
27	f	605	CLA	O2A-CGA-O1A	-2.11	118.03	123.30
27	g	322	CLA	CBC-CAC-C3C	2.11	118.25	112.43
27	a	304	CLA	O2D-CGD-CBD	2.11	115.02	111.27
35	O	203	II0	C32-C34-C36	-2.11	120.48	126.42
36	f	617	IHT	C40-C41-C38	-2.11	119.15	123.47
27	b	606	CLA	O1D-CGD-CBD	2.11	128.80	124.48
27	l	305	CLA	O2D-CGD-CBD	2.11	115.02	111.27
35	O	203	II0	C27-C25-C23	2.11	121.02	116.84
27	A	853	CLA	CAC-C3C-C4C	2.11	127.55	124.81
27	h	306	CLA	CHA-C1A-NA	-2.11	121.57	126.40
27	n	607	CLA	C1-C2-C3	-2.11	122.39	126.04
27	B	824	CLA	CAA-CBA-CGA	-2.11	107.09	113.25
27	i	309	CLA	CBA-CAA-C2A	2.11	120.09	113.86
27	i	307	CLA	CHD-C4C-NC	2.11	127.53	124.20
27	k	303	CLA	CHA-C1A-NA	-2.11	121.57	126.40
27	g	304	CLA	CHA-C4D-ND	2.11	136.91	132.50
36	f	617	IHT	C20-C15-C11	-2.11	121.49	124.35
27	B	822	CLA	C1-C2-C3	-2.11	122.40	126.04

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	B	819	CLA	CAC-C3C-C4C	2.11	127.54	124.81
35	f	618	II0	C38-C36-C34	2.11	121.39	118.08
27	b	603	CLA	CHA-C1A-NA	-2.11	121.58	126.40
27	B	810	CLA	C2D-C1D-ND	-2.10	108.55	110.10
35	e	614	II0	C42-C41-C39	-2.10	119.16	123.47
35	l	302	II0	C32-C34-C36	-2.10	120.50	126.42
27	B	837	CLA	O2A-CGA-CBA	2.10	118.51	111.91
27	a	306	CLA	C7-C6-C5	-2.10	107.65	113.36
36	c	620	IHT	C18-C07-C10	-2.10	116.37	121.46
27	B	833	CLA	C3A-C2A-C1A	2.10	104.49	101.34
27	j	603	CLA	C3A-C2A-C1A	2.10	104.49	101.34
36	R	204	IHT	C20-C15-C12	2.10	118.25	114.36
27	m	604	CLA	CBC-CAC-C3C	2.10	118.22	112.43
35	n	618	II0	C20-C14-C12	2.10	118.25	114.36
27	c	603	CLA	CHD-C1D-ND	-2.10	122.52	124.45
27	g	309	CLA	C2A-C3A-C4A	2.10	105.26	101.87
27	A	812	CLA	CAA-CBA-CGA	-2.10	107.11	113.25
27	g	307	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
27	A	821	CLA	O2D-CGD-CBD	2.10	115.00	111.27
27	h	306	CLA	CHD-C1D-ND	-2.10	122.52	124.45
29	b	618	LHG	O8-C23-C24	2.10	118.50	111.91
37	g	313	KC2	CAA-CBA-CGA	-2.10	116.47	127.26
27	B	840	CLA	C2A-C1A-CHA	2.10	127.53	123.86
27	B	807	CLA	C11-C12-C13	-2.10	109.14	115.92
27	c	609	CLA	O2A-CGA-O1A	-2.10	118.07	123.30
37	j	610	KC2	CAB-C3B-C4B	-2.10	119.83	124.90
35	n	616	II0	C28-C26-C24	2.10	120.99	116.84
27	A	837	CLA	C11-C12-C13	-2.10	109.14	115.92
27	A	827	CLA	C2A-C1A-CHA	2.10	127.53	123.86
27	f	612	CLA	CMC-C2C-C3C	2.10	131.81	126.12
27	k	303	CLA	CHC-C1C-NC	2.10	127.38	124.20
27	B	834	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
35	l	313	II0	C31-C29-C25	-2.10	120.50	126.58
27	B	835	CLA	CMB-C2B-C3B	2.10	128.60	124.68
27	g	315	CLA	C2D-C1D-ND	-2.10	108.56	110.10
27	B	815	CLA	CHD-C1D-ND	-2.09	122.53	124.45
29	j	617	LHG	C6-C5-C4	-2.09	106.83	111.79
27	a	305	CLA	CHB-C4A-NA	2.09	127.41	124.51
27	A	823	CLA	C1-C2-C3	2.09	129.66	126.04
36	f	617	IHT	C31-C34-C35	-2.09	120.53	126.42
27	B	809	CLA	O2D-CGD-CBD	2.09	114.99	111.27
27	m	611	CLA	CHA-C1A-NA	-2.09	121.61	126.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	832	CLA	CBC-CAC-C3C	2.09	118.20	112.43
37	i	310	KC2	CAB-C3B-C2B	2.09	135.50	128.60
27	m	602	CLA	CHD-C1D-ND	-2.09	122.53	124.45
27	B	825	CLA	O2D-CGD-O1D	-2.09	119.75	123.84
27	l	304	CLA	C11-C12-C13	-2.09	109.16	115.92
35	k	318	II0	C05-C03-C09	2.09	113.86	109.62
36	O	204	IHT	C17-C03-C11	-2.09	107.14	110.47
29	a	319	LHG	C6-C5-C4	-2.09	106.84	111.79
27	m	603	CLA	C3C-C4C-NC	-2.09	108.23	110.57
27	A	827	CLA	CAC-C3C-C4C	2.09	127.52	124.81
27	f	607	CLA	CHC-C1C-C2C	-2.09	120.94	126.72
27	a	306	CLA	O2A-C1-C2	-2.09	103.14	108.64
36	n	617	IHT	C36-C33-C37	-2.09	120.00	122.92
27	B	809	CLA	C2A-C1A-CHA	2.09	127.51	123.86
27	A	801	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
27	B	849	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
36	R	204	IHT	C36-C33-C37	-2.09	120.00	122.92
27	n	609	CLA	C5-C3-C2	2.09	125.34	121.12
27	d	304	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
35	j	613	II0	C28-C26-C24	2.09	120.97	116.84
30	B	844	WVN	C02-C05-C09	-2.09	118.90	121.47
27	n	606	CLA	C1-C2-C3	-2.09	122.44	126.04
27	O	202	CLA	C11-C12-C13	-2.09	109.18	115.92
35	d	313	II0	C20-C14-C12	2.09	118.22	114.36
27	B	829	CLA	CAA-CBA-CGA	-2.09	107.16	113.25
37	d	309	KC2	CAB-C3B-C4B	-2.09	119.86	124.90
27	c	608	CLA	C1-C2-C3	-2.08	122.44	126.04
30	A	849	WVN	C20-C23-C25	-2.08	123.08	126.23
27	d	308	CLA	O1D-CGD-CBD	2.08	128.75	124.48
27	B	817	CLA	O2D-CGD-CBD	2.08	114.97	111.27
35	i	313	II0	C31-C29-C25	-2.08	120.53	126.58
30	J	102	WVN	C26-C29-C31	-2.08	116.72	123.22
37	f	611	KC2	CAB-C3B-C4B	-2.08	119.87	124.90
27	f	607	CLA	C9-C8-C10	-2.08	103.75	111.29
36	R	204	IHT	C03-C05-C08	-2.08	108.94	113.64
37	l	311	KC2	CAB-C3B-C4B	-2.08	119.87	124.90
27	m	605	CLA	CAA-C2A-C3A	-2.08	109.06	114.26
27	A	835	CLA	CMB-C2B-C3B	2.08	128.57	124.68
27	l	309	CLA	CHA-C4D-ND	2.08	136.85	132.50
37	k	312	KC2	CBD-CHA-C1A	2.08	132.76	128.88
27	m	612	CLA	CHC-C1C-C2C	-2.08	120.97	126.72
36	f	617	IHT	C02-C07-C18	2.08	121.66	115.78

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	814	CLA	O2A-C1-C2	2.08	114.10	108.64
27	R	203	CLA	O2A-C1-C2	2.08	114.10	108.64
27	m	609	CLA	CHA-C1A-NA	-2.08	121.64	126.40
30	h	309	WVN	C06-C13-C20	2.08	121.66	115.78
27	m	603	CLA	CAA-CBA-CGA	-2.08	107.18	113.25
27	B	808	CLA	CAB-C3B-C2B	2.08	128.76	124.69
37	k	310	KC2	O1D-CGD-CBD	-2.08	120.23	124.48
37	e	609	KC2	CMB-C2B-C1B	2.08	128.38	124.71
27	F	202	CLA	CHB-C4A-NA	2.08	127.39	124.51
27	c	606	CLA	C2C-C1C-NC	2.08	111.92	109.97
36	n	617	IHT	C20-C15-C11	-2.08	121.53	124.35
27	A	805	CLA	C3A-C2A-C1A	2.08	104.45	101.34
35	l	314	II0	C31-C29-C25	-2.08	120.55	126.58
36	k	317	IHT	C40-C41-C38	-2.08	119.22	123.47
27	a	312	CLA	C3C-C4C-NC	-2.08	108.24	110.57
27	s	202	CLA	C2A-C1A-CHA	2.08	127.49	123.86
35	d	312	II0	C06-C04-C10	2.08	113.83	109.62
35	i	314	II0	C30-C32-C34	-2.08	116.74	123.22
27	K	102	CLA	O1D-CGD-CBD	2.07	128.73	124.48
27	f	604	CLA	O2D-CGD-O1D	-2.07	119.78	123.84
29	f	619	LHG	O8-C23-C24	2.07	118.42	111.91
30	B	845	WVN	C02-C05-C09	-2.07	118.92	121.47
29	k	319	LHG	C5-O7-C7	-2.07	112.69	117.79
35	n	618	II0	C32-C34-C36	-2.07	120.59	126.42
30	B	844	WVN	C20-C13-C15	-2.07	116.44	121.46
27	A	804	CLA	C2A-C1A-CHA	2.07	127.48	123.86
27	F	202	CLA	O2D-CGD-O1D	-2.07	119.79	123.84
27	A	832	CLA	CHD-C1D-ND	-2.07	122.55	124.45
27	n	609	CLA	O2D-CGD-CBD	2.07	114.95	111.27
35	d	313	II0	C31-C29-C25	-2.07	120.57	126.58
27	A	824	CLA	C1B-CHB-C4A	-2.07	126.02	130.12
27	B	813	CLA	C2A-C1A-CHA	2.07	127.48	123.86
35	e	613	II0	C42-C41-C39	-2.07	119.23	123.47
27	K	101	CLA	CAA-C2A-C1A	2.07	118.76	111.97
27	f	602	CLA	CHD-C1D-ND	-2.07	122.55	124.45
35	l	315	II0	C31-C33-C35	-2.07	120.60	126.42
27	A	808	CLA	CHA-C1A-NA	-2.07	121.66	126.40
29	j	617	LHG	C25-C24-C23	-2.07	106.09	113.62
28	B	841	PQN	C2M-C2-C1	2.07	119.70	116.27
27	n	603	CLA	O1D-CGD-CBD	2.07	128.72	124.48
27	e	608	CLA	C3A-C2A-C1A	2.07	104.44	101.34
27	k	309	CLA	CMD-C2D-C1D	2.07	128.36	124.71

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	f	612	CLA	CAC-C3C-C2C	-2.07	123.99	127.53
36	m	616	IHT	C20-C15-C12	2.07	118.18	114.36
36	c	620	IHT	C25-C23-C22	2.07	121.33	118.08
27	B	821	CLA	O1D-CGD-CBD	2.07	128.71	124.48
27	b	605	CLA	C2A-C1A-CHA	2.07	127.47	123.86
35	h	311	II0	C08-C12-C14	2.07	115.97	111.85
30	A	849	WVN	C31-C32-C36	2.07	122.11	118.94
35	l	315	II0	C20-C14-C12	2.07	118.18	114.36
27	k	304	CLA	CAC-C3C-C2C	2.06	131.06	127.53
27	A	813	CLA	O2D-CGD-CBD	2.06	114.94	111.27
37	d	309	KC2	CBD-CHA-C1A	2.06	132.73	128.88
27	A	856	CLA	CAA-C2A-C1A	2.06	116.91	111.81
27	c	609	CLA	C2D-C1D-ND	-2.06	108.58	110.10
27	g	304	CLA	C3A-C2A-C1A	2.06	104.43	101.34
37	n	611	KC2	CAA-CBA-CGA	-2.06	116.66	127.26
27	n	603	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
27	b	608	CLA	O1D-CGD-CBD	2.06	128.71	124.48
27	n	607	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
27	A	827	CLA	C1-C2-C3	-2.06	122.48	126.04
35	g	320	II0	C18-C04-C10	-2.06	107.19	110.47
27	l	310	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
27	j	606	CLA	C1-O2A-CGA	2.06	121.85	116.44
27	j	611	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
35	d	314	II0	C33-C35-C39	2.06	122.10	118.94
29	l	318	LHG	C6-C5-C4	-2.06	106.92	111.79
30	B	848	WVN	C39-C40-C37	-2.06	119.26	123.47
37	i	310	KC2	C3D-CAD-CBD	-2.06	104.89	107.61
35	j	613	II0	C37-C35-C33	-2.06	114.83	118.08
27	B	822	CLA	C16-C15-C13	-2.06	109.27	115.92
27	A	836	CLA	C7-C6-C5	-2.06	107.77	113.36
35	c	617	II0	C06-C04-C10	2.06	113.79	109.62
27	k	306	CLA	CHC-C1C-C2C	-2.06	121.03	126.72
27	B	810	CLA	CHA-C1A-NA	-2.06	121.69	126.40
35	h	312	II0	C38-C36-C34	2.06	121.32	118.08
27	k	306	CLA	CHA-C1A-NA	-2.06	121.69	126.40
27	B	803	CLA	C2A-C3A-C4A	2.06	105.19	101.87
27	B	839	CLA	C11-C10-C8	-2.06	109.27	115.92
27	J	105	CLA	O2D-CGD-O1D	-2.06	119.82	123.84
35	k	314	II0	C41-C39-C35	-2.06	124.38	127.31
35	g	318	II0	C18-C04-C17	-2.06	102.22	108.53
27	f	601	CLA	O2D-CGD-CBD	2.06	114.92	111.27
27	i	308	CLA	CHA-C1A-NA	-2.06	121.69	126.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	l	304	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
27	i	311	CLA	CHB-C4A-NA	2.06	127.36	124.51
27	i	303	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
27	B	811	CLA	CAA-C2A-C1A	2.06	118.71	111.97
27	d	304	CLA	CMB-C2B-C3B	2.06	128.52	124.68
37	i	310	KC2	CAA-CBA-CGA	-2.05	116.70	127.26
36	j	616	IHT	C06-C09-C10	-2.05	110.41	114.08
27	A	818	CLA	C5-C3-C2	2.05	125.27	121.12
27	A	808	CLA	O1D-CGD-CBD	2.05	128.69	124.48
27	g	305	CLA	CBA-CAA-C2A	2.05	119.92	113.86
30	B	843	WVN	C29-C31-C32	-2.05	120.65	126.42
27	A	810	CLA	CHD-C1D-ND	-2.05	122.57	124.45
27	L	206	CLA	CHD-C1D-ND	-2.05	122.57	124.45
30	A	847	WVN	C01-C02-C05	-2.05	107.74	111.42
27	m	605	CLA	O1D-CGD-CBD	2.05	128.68	124.48
27	i	308	CLA	CHB-C4A-NA	2.05	127.35	124.51
27	h	302	CLA	CHD-C1D-ND	-2.05	122.57	124.45
27	B	837	CLA	C2A-C1A-CHA	2.05	127.44	123.86
29	J	107	LHG	O8-C23-C24	2.05	118.34	111.91
37	i	317	KC2	CMC-C2C-C1C	2.05	128.16	125.04
35	l	314	II0	C33-C35-C39	2.05	122.09	118.94
27	A	826	CLA	C12-C11-C10	-2.05	103.82	113.24
27	A	836	CLA	C5-C3-C2	-2.05	116.97	121.12
27	l	306	CLA	C11-C10-C8	-2.05	109.30	115.92
34	b	619	LMG	C1-C2-C3	2.05	114.26	110.00
27	j	608	CLA	CHA-C1A-NA	-2.05	121.71	126.40
27	A	830	CLA	C1-C2-C3	-2.05	123.44	126.75
27	A	835	CLA	CGD-CBD-CAD	2.05	117.37	110.73
27	k	313	CLA	CBC-CAC-C3C	2.05	118.08	112.43
27	A	856	CLA	CHC-C1C-NC	2.05	127.31	124.20
37	d	309	KC2	CMB-C2B-C1B	2.05	128.32	124.71
35	f	616	II0	C32-C30-C26	-2.05	120.64	126.58
35	k	315	II0	C42-C40-C36	-2.05	124.39	127.31
35	g	317	II0	C04-C10-C14	-2.05	119.74	122.63
27	s	208	CLA	CHA-C1A-NA	-2.05	121.71	126.40
27	A	812	CLA	C3A-C2A-C1A	2.05	104.40	101.34
27	A	820	CLA	CAC-C3C-C4C	2.05	127.46	124.81
27	f	613	CLA	O2A-CGA-CBA	2.05	118.33	111.91
35	m	613	II0	C06-C08-C12	2.04	113.10	110.30
35	d	314	II0	C15-C03-C09	2.04	113.72	110.47
27	A	829	CLA	CHA-C4D-ND	2.04	136.78	132.50
35	k	318	II0	C38-C36-C40	-2.04	120.06	122.92

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	n	609	CLA	C1-C2-C3	-2.04	122.51	126.04
37	k	310	KC2	CMB-C2B-C1B	2.04	128.31	124.71
30	A	847	WVN	C06-C13-C20	2.04	121.56	115.78
30	R	201	WVN	C38-C34-C33	2.04	121.30	118.08
27	A	818	CLA	CAC-C3C-C2C	2.04	131.02	127.53
37	n	612	KC2	CAB-C3B-C2B	2.04	135.33	128.60
27	c	605	CLA	O2D-CGD-CBD	2.04	114.90	111.27
27	j	612	CLA	O2A-C1-C2	-2.04	103.27	108.64
27	b	603	CLA	O2D-CGD-O1D	-2.04	119.85	123.84
36	j	616	IHT	C31-C29-C26	-2.04	120.65	126.58
27	A	836	CLA	C3A-C2A-C1A	2.04	104.40	101.34
27	B	838	CLA	O2D-CGD-CBD	2.04	114.89	111.27
30	l	316	WVN	C21-C15-C14	2.04	117.53	113.62
35	n	615	II0	C05-C03-C09	2.04	113.75	109.62
27	B	849	CLA	CHC-C1C-C2C	-2.04	121.08	126.72
28	A	843	PQN	C21-C22-C23	-2.04	109.33	115.92
27	A	823	CLA	C4-C3-C2	-2.04	118.45	123.68
35	e	613	II0	C31-C29-C25	-2.04	120.67	126.58
35	k	315	II0	C27-C25-C23	2.04	120.87	116.84
27	j	609	CLA	CGD-CBD-CAD	2.04	117.33	110.73
27	B	828	CLA	CHA-C1A-NA	-2.04	121.73	126.40
35	l	317	II0	C28-C26-C24	2.04	120.87	116.84
27	A	804	CLA	C1-O2A-CGA	2.04	121.78	116.44
36	c	620	IHT	C02-C07-C18	2.04	121.54	115.78
27	A	837	CLA	CHC-C1C-NC	2.04	127.29	124.20
27	k	303	CLA	C1-C2-C3	-2.04	122.52	126.04
27	g	305	CLA	CMC-C2C-C3C	2.03	131.64	126.12
35	c	615	II0	C12-C14-C10	-2.03	115.95	120.57
37	s	201	KC2	CAC-C3C-C4C	2.03	133.95	124.47
37	j	610	KC2	CMB-C2B-C1B	2.03	128.30	124.71
27	A	811	CLA	CHA-C1A-NA	-2.03	121.74	126.40
27	i	305	CLA	CHD-C1D-ND	-2.03	122.58	124.45
35	l	315	II0	C28-C26-C24	2.03	120.87	116.84
27	A	832	CLA	C11-C12-C13	-2.03	109.35	115.92
35	n	618	II0	C32-C30-C26	-2.03	120.68	126.58
37	d	310	KC2	C3C-C2C-C1C	-2.03	104.98	106.49
27	m	611	CLA	CHD-C1D-ND	-2.03	122.59	124.45
27	B	836	CLA	O2D-CGD-CBD	2.03	114.88	111.27
27	e	603	CLA	O2D-CGD-CBD	2.03	114.88	111.27
27	B	840	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
30	K	103	WVN	C23-C20-C13	-2.03	121.50	127.20
27	m	608	CLA	C1-O2A-CGA	2.03	121.77	116.44

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	A	843	PQN	C21-C20-C18	-2.03	109.35	115.92
27	B	802	CLA	C2C-C1C-NC	-2.03	108.07	109.97
27	d	302	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
35	a	314	II0	C18-C04-C10	-2.03	107.24	110.47
27	A	823	CLA	CMB-C2B-C3B	2.03	128.48	124.68
35	g	320	II0	C04-C10-C14	-2.03	119.77	122.63
35	a	318	II0	C20-C14-C10	-2.03	121.59	124.35
34	L	208	LMG	C7-O1-C1	2.03	117.70	113.74
35	c	617	II0	C05-C03-C09	2.03	113.73	109.62
37	n	611	KC2	CAC-C3C-C4C	2.03	133.92	124.47
27	A	815	CLA	O1D-CGD-CBD	2.03	128.63	124.48
29	g	301	LHG	O7-C5-C4	2.03	115.74	108.40
30	J	101	WVN	C24-C22-C19	2.03	121.27	118.08
27	c	606	CLA	O1D-CGD-CBD	2.03	128.63	124.48
27	B	804	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
27	B	837	CLA	C3A-C2A-C1A	2.02	104.37	101.34
27	B	839	CLA	C1-C2-C3	2.02	129.54	126.04
27	B	824	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
35	g	317	II0	C31-C33-C35	-2.02	120.73	126.42
27	e	610	CLA	C4D-CHA-C1A	2.02	123.71	121.25
35	k	316	II0	C12-C14-C10	-2.02	115.98	120.57
28	A	843	PQN	C2M-C2-C1	2.02	119.62	116.27
27	A	831	CLA	C11-C10-C8	-2.02	109.38	115.92
27	B	840	CLA	CAC-C3C-C4C	2.02	127.43	124.81
27	A	828	CLA	C2A-C1A-CHA	2.02	127.39	123.86
29	j	617	LHG	C5-O7-C7	-2.02	112.81	117.79
30	R	202	WVN	C30-C33-C34	-2.02	120.74	126.42
27	B	817	CLA	C1D-ND-C4D	-2.02	104.90	106.33
27	k	302	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
35	j	614	II0	C20-C14-C12	2.02	118.10	114.36
35	e	613	II0	C28-C26-C24	2.02	120.84	116.84
35	c	615	II0	C41-C42-C40	-2.02	119.33	123.47
27	B	809	CLA	CHA-C1A-NA	-2.02	121.77	126.40
27	B	830	CLA	CGD-CBD-CAD	-2.02	104.19	110.73
29	m	617	LHG	O8-C23-O10	-2.02	118.49	123.59
35	a	315	II0	C31-C29-C25	-2.02	120.72	126.58
27	g	310	CLA	CAA-CBA-CGA	-2.02	107.35	113.25
30	B	847	WVN	C24-C22-C19	2.02	121.26	118.08
35	n	616	II0	C31-C33-C35	-2.02	120.74	126.42
37	s	201	KC2	CAA-CBA-CGA	-2.02	116.88	127.26
27	b	610	CLA	O2D-CGD-CBD	2.02	114.86	111.27
27	j	603	CLA	O2A-CGA-O1A	-2.02	118.50	123.59

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	f	616	II0	C41-C42-C40	-2.02	119.34	123.47
27	k	302	CLA	O2D-CGD-CBD	2.02	114.85	111.27
27	j	606	CLA	O2D-CGD-CBD	2.02	114.85	111.27
27	F	203	CLA	C2A-C1A-CHA	2.02	127.39	123.86
27	f	603	CLA	O2D-CGD-CBD	2.02	114.85	111.27
27	l	306	CLA	CMC-C2C-C1C	2.02	128.11	125.04
35	l	313	II0	C06-C04-C10	2.02	113.70	109.62
27	A	831	CLA	CMB-C2B-C1B	-2.02	125.37	128.46
35	j	613	II0	C31-C29-C25	-2.02	120.73	126.58
27	e	603	CLA	CAA-C2A-C3A	-2.02	107.26	112.78
27	B	831	CLA	O2D-CGD-CBD	2.02	114.85	111.27
27	c	601	CLA	C1-C2-C3	-2.02	122.56	126.04
27	m	604	CLA	C1-C2-C3	-2.02	122.56	126.04
27	B	839	CLA	C4D-CHA-C1A	2.01	123.70	121.25
30	B	847	WVN	C01-C02-C05	2.01	115.03	111.42
27	f	610	CLA	C2A-C1A-CHA	2.01	127.38	123.86
35	i	318	II0	C19-C13-C11	2.01	118.09	114.36
27	B	849	CLA	C3C-C4C-NC	-2.01	108.31	110.57
37	m	610	KC2	CBD-CHA-C1A	2.01	132.64	128.88
27	h	303	CLA	CHD-C1D-ND	-2.01	122.60	124.45
30	F	204	WVN	C07-C01-C03	2.01	113.18	109.03
27	A	819	CLA	CAC-C3C-C2C	2.01	130.97	127.53
27	f	606	CLA	CHD-C1D-ND	-2.01	122.61	124.45
35	g	318	II0	C17-C04-C10	-2.01	107.27	110.47
37	k	311	KC2	C2A-C3A-C4A	-2.01	104.99	106.49
28	A	843	PQN	C26-C25-C23	-2.01	109.42	115.92
29	d	315	LHG	O4-P-O5	2.01	122.18	112.24
27	O	202	CLA	C16-C15-C13	-2.01	109.42	115.92
27	a	310	CLA	CMC-C2C-C3C	2.01	131.57	126.12
27	f	610	CLA	CHA-C1A-NA	-2.01	121.80	126.40
27	n	610	CLA	CBC-CAC-C3C	2.01	117.97	112.43
30	B	843	WVN	C06-C13-C15	-2.01	119.78	122.61
30	B	845	WVN	C21-C15-C13	-2.01	122.27	124.53
27	f	613	CLA	O2D-CGD-CBD	2.01	114.84	111.27
36	j	616	IHT	C41-C40-C37	-2.01	119.36	123.47
27	B	831	CLA	C2A-C1A-CHA	2.01	127.37	123.86
30	O	201	WVN	C19-C22-C26	-2.01	115.86	118.94
27	g	303	CLA	O2D-CGD-CBD	2.01	114.83	111.27
34	c	619	LMG	O6-C5-C6	2.01	111.42	106.44
35	O	203	II0	C28-C26-C24	2.01	120.81	116.84
27	h	308	CLA	CHA-C1A-NA	-2.01	121.81	126.40
38	i	301	LMU	C1'-C2'-C3'	2.01	114.17	110.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	i	315	WVN	C12-C14-C15	-2.00	110.50	114.08
30	B	843	WVN	C08-C01-C02	-2.00	106.51	109.55
35	h	311	II0	C34-C36-C40	-2.00	115.86	118.94
36	n	617	IHT	C40-C41-C38	-2.00	119.37	123.47
27	n	613	CLA	CHD-C1D-ND	-2.00	122.61	124.45
27	A	826	CLA	C9-C8-C10	-2.00	104.03	111.29
37	j	610	KC2	CAA-CBA-CGA	-2.00	116.96	127.26
27	h	301	CLA	CHA-C4D-ND	2.00	136.69	132.50
35	J	104	II0	C41-C42-C40	-2.00	119.37	123.47
27	A	801	CLA	O1D-CGD-CBD	2.00	128.58	124.48
27	A	856	CLA	C3C-C4C-NC	-2.00	108.33	110.57
31	b	616	LMT	C4-C3-C2	-2.00	104.26	114.42
27	n	605	CLA	CHD-C4C-C3C	2.00	127.78	124.84
36	c	620	IHT	C06-C09-C10	-2.00	110.50	114.08
27	B	825	CLA	C1-C2-C3	-2.00	122.58	126.04
27	B	849	CLA	C1-C2-C3	-2.00	122.58	126.04
27	e	604	CLA	C1-C2-C3	-2.00	122.58	126.04
27	f	601	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
35	g	316	II0	O01-C07-C11	2.00	113.96	109.68
35	k	318	II0	C37-C35-C39	-2.00	120.12	122.92

All (218) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
27	A	801	CLA	ND
27	A	802	CLA	ND
27	A	803	CLA	ND
27	A	804	CLA	ND
27	A	805	CLA	ND
27	A	807	CLA	ND
27	A	808	CLA	ND
27	A	809	CLA	ND
27	A	810	CLA	ND
27	A	812	CLA	ND
27	A	813	CLA	ND
27	A	814	CLA	ND
27	A	815	CLA	ND
27	A	816	CLA	ND
27	A	817	CLA	ND
27	A	818	CLA	ND
27	A	819	CLA	ND
27	A	820	CLA	ND

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atom
27	A	822	CLA	ND
27	A	823	CLA	ND
27	A	824	CLA	ND
27	A	826	CLA	ND
27	A	827	CLA	ND
27	A	828	CLA	ND
27	A	829	CLA	ND
27	A	831	CLA	ND
27	A	832	CLA	ND
27	A	833	CLA	ND
27	A	834	CLA	ND
27	A	835	CLA	ND
27	A	837	CLA	ND
27	A	838	CLA	ND
27	A	839	CLA	ND
27	A	841	CLA	ND
27	A	842	CLA	ND
27	A	852	CLA	ND
27	A	853	CLA	ND
27	A	855	CLA	ND
27	A	856	CLA	ND
27	B	801	CLA	ND
27	B	802	CLA	ND
27	B	803	CLA	ND
27	B	804	CLA	ND
27	B	805	CLA	ND
27	B	806	CLA	ND
27	B	807	CLA	ND
27	B	808	CLA	ND
27	B	809	CLA	ND
27	B	810	CLA	ND
27	B	811	CLA	ND
27	B	812	CLA	ND
27	B	813	CLA	ND
27	B	814	CLA	ND
27	B	816	CLA	ND
27	B	818	CLA	ND
27	B	819	CLA	ND
27	B	820	CLA	ND
27	B	821	CLA	ND
27	B	822	CLA	ND
27	B	823	CLA	ND

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atom
27	B	824	CLA	ND
27	B	825	CLA	ND
27	B	826	CLA	ND
27	B	827	CLA	ND
27	B	828	CLA	ND
27	B	829	CLA	ND
27	B	830	CLA	ND
27	B	831	CLA	ND
27	B	832	CLA	ND
27	B	833	CLA	ND
27	B	834	CLA	ND
27	B	835	CLA	ND
27	B	836	CLA	ND
27	B	837	CLA	ND
27	B	838	CLA	ND
27	B	839	CLA	ND
27	B	840	CLA	ND
27	F	201	CLA	ND
27	F	202	CLA	ND
27	F	203	CLA	ND
27	J	103	CLA	ND
27	J	105	CLA	ND
27	L	202	CLA	ND
27	L	204	CLA	ND
27	L	206	CLA	ND
27	O	202	CLA	ND
27	O	206	CLA	ND
27	K	101	CLA	ND
27	K	102	CLA	ND
27	s	202	CLA	ND
27	s	206	CLA	ND
27	s	209	CLA	ND
27	c	601	CLA	ND
27	c	602	CLA	ND
27	c	603	CLA	ND
27	c	605	CLA	ND
27	c	607	CLA	ND
27	c	608	CLA	ND
27	c	609	CLA	ND
27	c	612	CLA	ND
27	a	303	CLA	ND
27	a	304	CLA	ND

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atom
27	a	305	CLA	ND
27	a	306	CLA	ND
27	a	308	CLA	ND
27	a	309	CLA	ND
27	a	310	CLA	ND
27	a	311	CLA	ND
27	a	313	CLA	ND
27	b	601	CLA	ND
27	b	602	CLA	ND
27	b	603	CLA	ND
27	b	605	CLA	ND
27	b	606	CLA	ND
27	b	607	CLA	ND
27	b	608	CLA	ND
27	b	610	CLA	ND
27	b	611	CLA	ND
27	h	301	CLA	ND
27	h	302	CLA	ND
27	h	303	CLA	ND
27	h	304	CLA	ND
27	h	305	CLA	ND
27	h	306	CLA	ND
27	h	307	CLA	ND
27	h	308	CLA	ND
27	h	313	CLA	ND
27	m	601	CLA	ND
27	m	602	CLA	ND
27	m	603	CLA	ND
27	m	605	CLA	ND
27	m	606	CLA	ND
27	m	607	CLA	ND
27	m	608	CLA	ND
27	m	609	CLA	ND
27	m	611	CLA	ND
27	m	612	CLA	ND
27	e	601	CLA	ND
27	e	602	CLA	ND
27	e	603	CLA	ND
27	e	606	CLA	ND
27	e	607	CLA	ND
27	e	608	CLA	ND
27	e	610	CLA	ND

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atom
27	l	303	CLA	ND
27	l	304	CLA	ND
27	l	305	CLA	ND
27	l	307	CLA	ND
27	l	308	CLA	ND
27	l	309	CLA	ND
27	l	310	CLA	ND
27	l	312	CLA	ND
27	k	301	CLA	ND
27	k	302	CLA	ND
27	k	303	CLA	ND
27	k	304	CLA	ND
27	k	305	CLA	ND
27	k	306	CLA	ND
27	k	307	CLA	ND
27	k	308	CLA	ND
27	k	309	CLA	ND
27	k	313	CLA	ND
27	f	601	CLA	ND
27	f	602	CLA	ND
27	f	603	CLA	ND
27	f	604	CLA	ND
27	f	607	CLA	ND
27	f	608	CLA	ND
27	f	609	CLA	ND
27	f	610	CLA	ND
27	f	612	CLA	ND
27	i	302	CLA	ND
27	i	303	CLA	ND
27	i	304	CLA	ND
27	i	305	CLA	ND
27	i	306	CLA	ND
27	i	307	CLA	ND
27	i	308	CLA	ND
27	i	309	CLA	ND
27	i	311	CLA	ND
27	i	312	CLA	ND
27	j	601	CLA	ND
27	j	602	CLA	ND
27	j	603	CLA	ND
27	j	604	CLA	ND
27	j	607	CLA	ND

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atom
27	j	608	CLA	ND
27	j	609	CLA	ND
27	j	611	CLA	ND
27	j	612	CLA	ND
27	d	301	CLA	ND
27	d	302	CLA	ND
27	d	303	CLA	ND
27	d	305	CLA	ND
27	d	306	CLA	ND
27	d	308	CLA	ND
27	g	302	CLA	ND
27	g	303	CLA	ND
27	g	304	CLA	ND
27	g	305	CLA	ND
27	g	306	CLA	ND
27	g	308	CLA	ND
27	g	309	CLA	ND
27	g	310	CLA	ND
27	g	311	CLA	ND
27	g	322	CLA	ND
27	R	203	CLA	ND
27	n	601	CLA	ND
27	n	602	CLA	ND
27	n	603	CLA	ND
27	n	604	CLA	ND
27	n	605	CLA	ND
27	n	606	CLA	ND
27	n	607	CLA	ND
27	n	608	CLA	ND
27	n	609	CLA	ND
27	n	610	CLA	ND
27	n	613	CLA	ND

All (3667) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
27	A	801	CLA	CBD-CGD-O2D-CED
27	A	802	CLA	C1A-C2A-CAA-CBA
27	A	802	CLA	CBA-CGA-O2A-C1
27	A	802	CLA	O1A-CGA-O2A-C1
27	A	803	CLA	C1A-C2A-CAA-CBA
27	A	803	CLA	C3A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	804	CLA	C3A-C2A-CAA-CBA
27	A	804	CLA	CHA-CBD-CGD-O1D
27	A	804	CLA	CHA-CBD-CGD-O2D
27	A	805	CLA	C1A-C2A-CAA-CBA
27	A	810	CLA	C1A-C2A-CAA-CBA
27	A	810	CLA	C11-C10-C8-C7
27	A	811	CLA	CBA-CGA-O2A-C1
27	A	811	CLA	C4-C3-C5-C6
27	A	813	CLA	C1A-C2A-CAA-CBA
27	A	813	CLA	CHA-CBD-CGD-O1D
27	A	814	CLA	C3A-C2A-CAA-CBA
27	A	815	CLA	CHA-CBD-CGD-O1D
27	A	815	CLA	CHA-CBD-CGD-O2D
27	A	815	CLA	CBD-CGD-O2D-CED
27	A	816	CLA	C1A-C2A-CAA-CBA
27	A	816	CLA	CHA-CBD-CGD-O2D
27	A	817	CLA	C1A-C2A-CAA-CBA
27	A	817	CLA	C3A-C2A-CAA-CBA
27	A	818	CLA	C1A-C2A-CAA-CBA
27	A	818	CLA	C3A-C2A-CAA-CBA
27	A	823	CLA	CHA-CBD-CGD-O1D
27	A	823	CLA	CHA-CBD-CGD-O2D
27	A	827	CLA	C11-C12-C13-C14
27	A	829	CLA	CHA-CBD-CGD-O2D
27	A	829	CLA	C2-C3-C5-C6
27	A	829	CLA	C4-C3-C5-C6
27	A	830	CLA	C1A-C2A-CAA-CBA
27	A	835	CLA	C4-C3-C5-C6
27	A	836	CLA	CHA-CBD-CGD-O1D
27	A	836	CLA	CHA-CBD-CGD-O2D
27	A	837	CLA	C3A-C2A-CAA-CBA
27	A	838	CLA	C1A-C2A-CAA-CBA
27	A	839	CLA	CHA-CBD-CGD-O1D
27	A	839	CLA	CHA-CBD-CGD-O2D
27	A	839	CLA	C11-C10-C8-C9
27	A	840	CLA	C11-C10-C8-C9
27	A	841	CLA	C2-C3-C5-C6
27	A	841	CLA	C4-C3-C5-C6
27	A	842	CLA	C2A-CAA-CBA-CGA
27	A	855	CLA	CBA-CGA-O2A-C1
27	A	855	CLA	O1A-CGA-O2A-C1
27	A	856	CLA	CHA-CBD-CGD-O1D

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	856	CLA	CHA-CBD-CGD-O2D
27	A	856	CLA	CBD-CGD-O2D-CED
27	B	801	CLA	CHA-CBD-CGD-O2D
27	B	801	CLA	CBD-CGD-O2D-CED
27	B	802	CLA	CBD-CGD-O2D-CED
27	B	803	CLA	C3A-C2A-CAA-CBA
27	B	804	CLA	CBD-CGD-O2D-CED
27	B	806	CLA	C14-C13-C15-C16
27	B	807	CLA	C2A-CAA-CBA-CGA
27	B	810	CLA	C14-C13-C15-C16
27	B	813	CLA	C1A-C2A-CAA-CBA
27	B	815	CLA	C3A-C2A-CAA-CBA
27	B	819	CLA	CHA-CBD-CGD-O1D
27	B	819	CLA	CHA-CBD-CGD-O2D
27	B	820	CLA	C4-C3-C5-C6
27	B	820	CLA	C6-C7-C8-C9
27	B	824	CLA	C1A-C2A-CAA-CBA
27	B	824	CLA	CHA-CBD-CGD-O1D
27	B	824	CLA	CHA-CBD-CGD-O2D
27	B	826	CLA	C3A-C2A-CAA-CBA
27	B	830	CLA	C1A-C2A-CAA-CBA
27	B	831	CLA	C1A-C2A-CAA-CBA
27	B	831	CLA	C3A-C2A-CAA-CBA
27	B	836	CLA	C11-C12-C13-C14
27	B	838	CLA	C1A-C2A-CAA-CBA
27	B	849	CLA	CHA-CBD-CGD-O1D
27	B	849	CLA	CHA-CBD-CGD-O2D
27	F	202	CLA	C11-C12-C13-C14
27	F	203	CLA	C1A-C2A-CAA-CBA
27	F	203	CLA	C3A-C2A-CAA-CBA
27	J	103	CLA	C1A-C2A-CAA-CBA
27	J	105	CLA	CBA-CGA-O2A-C1
27	J	105	CLA	O1A-CGA-O2A-C1
27	J	105	CLA	C2-C3-C5-C6
27	L	202	CLA	C1A-C2A-CAA-CBA
27	L	202	CLA	C3A-C2A-CAA-CBA
27	L	203	CLA	C11-C12-C13-C14
27	L	204	CLA	C1A-C2A-CAA-CBA
27	L	204	CLA	C3A-C2A-CAA-CBA
27	L	206	CLA	C2-C3-C5-C6
27	L	206	CLA	C4-C3-C5-C6
27	O	202	CLA	C1A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	O	202	CLA	CHA-CBD-CGD-O1D
27	O	202	CLA	CHA-CBD-CGD-O2D
27	O	202	CLA	CBD-CGD-O2D-CED
27	O	202	CLA	C11-C10-C8-C9
27	K	101	CLA	C2-C3-C5-C6
27	K	101	CLA	C4-C3-C5-C6
27	K	102	CLA	CBD-CGD-O2D-CED
27	s	203	CLA	C1A-C2A-CAA-CBA
27	s	206	CLA	C1A-C2A-CAA-CBA
27	s	208	CLA	C1A-C2A-CAA-CBA
27	s	208	CLA	C3A-C2A-CAA-CBA
27	c	601	CLA	C1A-C2A-CAA-CBA
27	c	602	CLA	C3A-C2A-CAA-CBA
27	c	605	CLA	C2-C3-C5-C6
27	c	605	CLA	C4-C3-C5-C6
27	c	606	CLA	C1A-C2A-CAA-CBA
27	c	606	CLA	CBD-CGD-O2D-CED
27	c	608	CLA	C3A-C2A-CAA-CBA
27	c	608	CLA	CBD-CGD-O2D-CED
27	c	608	CLA	O1D-CGD-O2D-CED
27	c	611	CLA	CHA-CBD-CGD-O1D
27	c	611	CLA	CHA-CBD-CGD-O2D
27	c	611	CLA	CBD-CGD-O2D-CED
27	c	612	CLA	CBD-CGD-O2D-CED
27	a	303	CLA	C1A-C2A-CAA-CBA
27	a	303	CLA	C3A-C2A-CAA-CBA
27	a	304	CLA	C1A-C2A-CAA-CBA
27	a	304	CLA	C3A-C2A-CAA-CBA
27	a	305	CLA	C2-C3-C5-C6
27	a	305	CLA	C4-C3-C5-C6
27	a	308	CLA	C11-C10-C8-C9
27	a	308	CLA	C14-C13-C15-C16
27	a	312	CLA	C2A-CAA-CBA-CGA
27	a	312	CLA	CBA-CGA-O2A-C1
27	b	602	CLA	C3A-C2A-CAA-CBA
27	b	602	CLA	CHA-CBD-CGD-O1D
27	b	602	CLA	CHA-CBD-CGD-O2D
27	b	603	CLA	C2-C3-C5-C6
27	b	603	CLA	C4-C3-C5-C6
27	b	603	CLA	C12-C13-C15-C16
27	b	605	CLA	C6-C7-C8-C9
27	b	606	CLA	CBD-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	608	CLA	CBD-CGD-O2D-CED
27	b	608	CLA	C2-C3-C5-C6
27	b	608	CLA	C4-C3-C5-C6
27	b	610	CLA	CBD-CGD-O2D-CED
27	b	611	CLA	CHA-CBD-CGD-O1D
27	b	611	CLA	CBD-CGD-O2D-CED
27	h	302	CLA	C1A-C2A-CAA-CBA
27	h	304	CLA	C3A-C2A-CAA-CBA
27	h	305	CLA	C1A-C2A-CAA-CBA
27	h	305	CLA	C2-C3-C5-C6
27	h	305	CLA	C4-C3-C5-C6
27	h	308	CLA	CHA-CBD-CGD-O1D
27	h	308	CLA	CHA-CBD-CGD-O2D
27	h	308	CLA	C2-C3-C5-C6
27	m	602	CLA	C1A-C2A-CAA-CBA
27	m	602	CLA	C3A-C2A-CAA-CBA
27	m	604	CLA	CHA-CBD-CGD-O1D
27	m	604	CLA	CHA-CBD-CGD-O2D
27	m	604	CLA	CAD-CBD-CGD-O1D
27	m	605	CLA	C1A-C2A-CAA-CBA
27	m	605	CLA	C3A-C2A-CAA-CBA
27	m	607	CLA	C1A-C2A-CAA-CBA
27	m	607	CLA	C3A-C2A-CAA-CBA
27	m	608	CLA	C3A-C2A-CAA-CBA
27	m	609	CLA	C1A-C2A-CAA-CBA
27	m	611	CLA	CHA-CBD-CGD-O1D
27	m	611	CLA	CHA-CBD-CGD-O2D
27	m	611	CLA	CAD-CBD-CGD-O1D
27	m	611	CLA	C2-C3-C5-C6
27	m	611	CLA	C4-C3-C5-C6
27	m	612	CLA	C1A-C2A-CAA-CBA
27	m	612	CLA	C3A-C2A-CAA-CBA
27	e	601	CLA	C1A-C2A-CAA-CBA
27	e	601	CLA	C3A-C2A-CAA-CBA
27	e	602	CLA	C1A-C2A-CAA-CBA
27	e	602	CLA	C3A-C2A-CAA-CBA
27	e	604	CLA	CBD-CGD-O2D-CED
27	e	607	CLA	C1A-C2A-CAA-CBA
27	e	608	CLA	C1A-C2A-CAA-CBA
27	e	611	CLA	O1A-CGA-O2A-C1
27	l	304	CLA	C3A-C2A-CAA-CBA
27	l	304	CLA	CHA-CBD-CGD-O1D

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	l	304	CLA	CHA-CBD-CGD-O2D
27	l	305	CLA	C2-C3-C5-C6
27	l	305	CLA	C4-C3-C5-C6
27	l	306	CLA	CHA-CBD-CGD-O1D
27	l	306	CLA	CHA-CBD-CGD-O2D
27	l	306	CLA	CBD-CGD-O2D-CED
27	l	308	CLA	C1A-C2A-CAA-CBA
27	l	308	CLA	C3A-C2A-CAA-CBA
27	l	308	CLA	C2A-CAA-CBA-CGA
27	l	309	CLA	C3A-C2A-CAA-CBA
27	l	310	CLA	CBD-CGD-O2D-CED
27	l	312	CLA	C4-C3-C5-C6
27	k	301	CLA	C1A-C2A-CAA-CBA
27	k	301	CLA	C3A-C2A-CAA-CBA
27	k	305	CLA	C1A-C2A-CAA-CBA
27	k	306	CLA	C1A-C2A-CAA-CBA
27	k	306	CLA	CBA-CGA-O2A-C1
27	k	306	CLA	O1A-CGA-O2A-C1
27	k	306	CLA	CBD-CGD-O2D-CED
27	k	306	CLA	C2-C3-C5-C6
27	k	307	CLA	C1A-C2A-CAA-CBA
27	k	307	CLA	C3A-C2A-CAA-CBA
27	k	308	CLA	CBD-CGD-O2D-CED
27	k	309	CLA	C1A-C2A-CAA-CBA
27	k	309	CLA	C3A-C2A-CAA-CBA
27	k	309	CLA	CBD-CGD-O2D-CED
27	k	313	CLA	C1A-C2A-CAA-CBA
27	k	313	CLA	CBD-CGD-O2D-CED
27	k	313	CLA	O1D-CGD-O2D-CED
27	f	602	CLA	C1A-C2A-CAA-CBA
27	f	602	CLA	C3A-C2A-CAA-CBA
27	f	605	CLA	CBD-CGD-O2D-CED
27	f	606	CLA	C2-C3-C5-C6
27	f	607	CLA	C1A-C2A-CAA-CBA
27	f	607	CLA	C3A-C2A-CAA-CBA
27	f	610	CLA	C1A-C2A-CAA-CBA
27	f	610	CLA	C3A-C2A-CAA-CBA
27	f	612	CLA	CBD-CGD-O2D-CED
27	f	612	CLA	C2-C3-C5-C6
27	f	613	CLA	C1A-C2A-CAA-CBA
27	f	613	CLA	C11-C12-C13-C14
27	i	302	CLA	C1A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	i	302	CLA	C3A-C2A-CAA-CBA
27	i	303	CLA	C3A-C2A-CAA-CBA
27	i	305	CLA	C6-C7-C8-C9
27	i	309	CLA	C1A-C2A-CAA-CBA
27	i	309	CLA	CBD-CGD-O2D-CED
27	i	311	CLA	C3A-C2A-CAA-CBA
27	i	312	CLA	C1A-C2A-CAA-CBA
27	j	604	CLA	C1A-C2A-CAA-CBA
27	j	604	CLA	CHA-CBD-CGD-O1D
27	j	606	CLA	CHA-CBD-CGD-O1D
27	j	606	CLA	CHA-CBD-CGD-O2D
27	j	609	CLA	C1A-C2A-CAA-CBA
27	j	609	CLA	C3A-C2A-CAA-CBA
27	j	609	CLA	C6-C7-C8-C9
27	j	611	CLA	CBD-CGD-O2D-CED
27	j	611	CLA	C2-C3-C5-C6
27	j	612	CLA	C14-C13-C15-C16
27	d	301	CLA	C1A-C2A-CAA-CBA
27	d	301	CLA	C3A-C2A-CAA-CBA
27	d	303	CLA	CHA-CBD-CGD-O1D
27	d	303	CLA	CHA-CBD-CGD-O2D
27	d	305	CLA	C1A-C2A-CAA-CBA
27	d	305	CLA	C3A-C2A-CAA-CBA
27	d	305	CLA	CHA-CBD-CGD-O1D
27	d	305	CLA	CHA-CBD-CGD-O2D
27	d	305	CLA	CBD-CGD-O2D-CED
27	d	306	CLA	CBA-CGA-O2A-C1
27	d	308	CLA	CBD-CGD-O2D-CED
27	g	303	CLA	C3A-C2A-CAA-CBA
27	g	305	CLA	CHA-CBD-CGD-O2D
27	g	306	CLA	C1A-C2A-CAA-CBA
27	g	306	CLA	CHA-CBD-CGD-O1D
27	g	306	CLA	CHA-CBD-CGD-O2D
27	g	309	CLA	CHA-CBD-CGD-O1D
27	g	309	CLA	CHA-CBD-CGD-O2D
27	g	310	CLA	CBA-CGA-O2A-C1
27	g	310	CLA	O1A-CGA-O2A-C1
27	g	311	CLA	CHA-CBD-CGD-O1D
27	g	311	CLA	CHA-CBD-CGD-O2D
27	g	322	CLA	CHA-CBD-CGD-O1D
27	g	322	CLA	CHA-CBD-CGD-O2D
27	g	322	CLA	O2A-C1-C2-C3

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	n	601	CLA	C1A-C2A-CAA-CBA
27	n	603	CLA	C1A-C2A-CAA-CBA
27	n	603	CLA	C3A-C2A-CAA-CBA
27	n	604	CLA	C1A-C2A-CAA-CBA
27	n	604	CLA	C3A-C2A-CAA-CBA
27	n	605	CLA	C3A-C2A-CAA-CBA
27	n	605	CLA	CHA-CBD-CGD-O1D
27	n	605	CLA	CHA-CBD-CGD-O2D
27	n	606	CLA	C1A-C2A-CAA-CBA
27	n	606	CLA	C3A-C2A-CAA-CBA
27	n	606	CLA	CBA-CGA-O2A-C1
27	n	606	CLA	O1A-CGA-O2A-C1
27	n	608	CLA	C3A-C2A-CAA-CBA
27	n	609	CLA	C2-C3-C5-C6
27	n	609	CLA	C4-C3-C5-C6
27	n	610	CLA	C1A-C2A-CAA-CBA
27	n	610	CLA	C3A-C2A-CAA-CBA
27	n	610	CLA	CHA-CBD-CGD-O1D
27	n	610	CLA	CHA-CBD-CGD-O2D
27	n	613	CLA	C1A-C2A-CAA-CBA
27	n	613	CLA	CBD-CGD-O2D-CED
29	A	844	LHG	C4-O6-P-O3
29	A	844	LHG	C4-O6-P-O5
29	A	845	LHG	O1-C1-C2-C3
29	A	845	LHG	C3-O3-P-O5
29	A	850	LHG	C3-O3-P-O5
29	A	850	LHG	C8-C7-O7-C5
29	J	107	LHG	C1-C2-C3-O3
29	J	107	LHG	C3-O3-P-O6
29	L	207	LHG	C3-O3-P-O5
29	L	207	LHG	C3-O3-P-O6
29	L	207	LHG	C4-O6-P-O3
29	L	207	LHG	C4-O6-P-O5
29	c	618	LHG	C4-O6-P-O4
29	c	618	LHG	O9-C7-O7-C5
29	c	618	LHG	C8-C7-O7-C5
29	c	621	LHG	O1-C1-C2-C3
29	c	621	LHG	C3-O3-P-O4
29	c	621	LHG	C4-O6-P-O4
29	a	301	LHG	O9-C7-O7-C5
29	a	319	LHG	O7-C5-C6-O8
29	b	617	LHG	C3-O3-P-O4

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	b	617	LHG	C3-O3-P-O6
29	b	617	LHG	O9-C7-O7-C5
29	b	617	LHG	C8-C7-O7-C5
29	e	617	LHG	O9-C7-O7-C5
29	l	318	LHG	C3-O3-P-O6
29	k	319	LHG	C8-C7-O7-C5
29	f	619	LHG	C3-O3-P-O5
29	f	619	LHG	C3-O3-P-O6
29	f	619	LHG	C4-O6-P-O5
29	f	619	LHG	O9-C7-O7-C5
29	i	316	LHG	O9-C7-O7-C5
29	i	316	LHG	C8-C7-O7-C5
29	i	316	LHG	O10-C23-O8-C6
29	i	316	LHG	C24-C23-O8-C6
29	j	617	LHG	C4-O6-P-O4
29	d	315	LHG	C1-C2-C3-O3
29	d	315	LHG	C3-O3-P-O4
29	d	315	LHG	C4-O6-P-O5
29	d	315	LHG	C8-C7-O7-C5
29	g	301	LHG	C3-O3-P-O4
29	g	301	LHG	C3-O3-P-O5
29	g	301	LHG	C4-O6-P-O5
29	g	321	LHG	C3-O3-P-O4
29	g	321	LHG	C4-O6-P-O4
29	g	321	LHG	O9-C7-O7-C5
29	g	321	LHG	C8-C7-O7-C5
29	n	619	LHG	C4-O6-P-O3
29	n	619	LHG	C4-O6-P-O4
29	n	619	LHG	C4-O6-P-O5
30	A	847	WVN	C06-C13-C20-C23
30	A	847	WVN	C15-C13-C20-C23
30	A	847	WVN	C20-C23-C25-C27
30	A	847	WVN	C20-C23-C25-C28
30	A	847	WVN	C29-C31-C32-C35
30	A	847	WVN	C29-C31-C32-C36
30	A	847	WVN	C30-C33-C34-C37
30	A	847	WVN	C30-C33-C34-C38
30	A	848	WVN	C06-C13-C20-C23
30	A	848	WVN	C15-C13-C20-C23
30	A	848	WVN	C30-C33-C34-C37
30	A	848	WVN	C30-C33-C34-C38
30	A	849	WVN	C11-C19-C22-C24

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
30	A	849	WVN	C11-C19-C22-C26
30	A	849	WVN	C29-C31-C32-C35
30	A	849	WVN	C29-C31-C32-C36
30	A	849	WVN	C30-C33-C34-C38
30	B	843	WVN	C29-C31-C32-C35
30	B	843	WVN	C29-C31-C32-C36
30	B	843	WVN	C30-C33-C34-C37
30	B	843	WVN	C30-C33-C34-C38
30	B	845	WVN	C25-C28-C30-C33
30	B	845	WVN	C30-C33-C34-C37
30	B	845	WVN	C30-C33-C34-C38
30	B	846	WVN	C15-C13-C20-C23
30	B	846	WVN	C20-C23-C25-C27
30	B	846	WVN	C20-C23-C25-C28
30	B	847	WVN	C11-C19-C22-C24
30	B	847	WVN	C11-C19-C22-C26
30	B	847	WVN	C20-C23-C25-C27
30	B	847	WVN	C20-C23-C25-C28
30	B	847	WVN	C30-C33-C34-C37
30	B	847	WVN	C30-C33-C34-C38
30	B	848	WVN	C11-C19-C22-C24
30	B	848	WVN	C29-C31-C32-C35
30	B	848	WVN	C29-C31-C32-C36
30	F	204	WVN	C11-C19-C22-C24
30	F	204	WVN	C11-C19-C22-C26
30	F	204	WVN	C22-C26-C29-C31
30	F	204	WVN	C29-C31-C32-C35
30	F	204	WVN	C29-C31-C32-C36
30	F	204	WVN	C30-C33-C34-C38
30	F	205	WVN	C05-C02-C11-C19
30	F	205	WVN	C06-C13-C20-C23
30	F	205	WVN	C15-C13-C20-C23
30	I	101	WVN	C01-C02-C11-C19
30	I	101	WVN	C11-C19-C22-C24
30	I	101	WVN	C11-C19-C22-C26
30	J	101	WVN	C15-C13-C20-C23
30	J	101	WVN	C29-C31-C32-C35
30	J	101	WVN	C29-C31-C32-C36
30	J	102	WVN	C11-C19-C22-C24
30	J	102	WVN	C11-C19-C22-C26
30	J	102	WVN	C20-C23-C25-C27
30	J	102	WVN	C20-C23-C25-C28

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
30	J	102	WVN	C30-C33-C34-C37
30	J	102	WVN	C30-C33-C34-C38
30	L	201	WVN	C11-C19-C22-C24
30	L	201	WVN	C11-C19-C22-C26
30	L	205	WVN	C06-C13-C20-C23
30	L	205	WVN	C11-C19-C22-C24
30	L	205	WVN	C11-C19-C22-C26
30	M	101	WVN	C05-C02-C11-C19
30	M	101	WVN	C20-C23-C25-C27
30	M	101	WVN	C20-C23-C25-C28
30	M	101	WVN	C30-C33-C34-C37
30	M	101	WVN	C30-C33-C34-C38
30	O	201	WVN	C06-C13-C20-C23
30	O	201	WVN	C15-C13-C20-C23
30	O	201	WVN	C20-C23-C25-C27
30	O	201	WVN	C20-C23-C25-C28
30	h	309	WVN	C20-C23-C25-C27
30	h	309	WVN	C20-C23-C25-C28
30	h	309	WVN	C30-C33-C34-C37
30	h	309	WVN	C30-C33-C34-C38
30	e	615	WVN	C01-C02-C11-C19
30	e	615	WVN	C15-C13-C20-C23
30	e	615	WVN	C30-C33-C34-C37
30	e	615	WVN	C30-C33-C34-C38
30	l	316	WVN	C06-C13-C20-C23
30	l	316	WVN	C15-C13-C20-C23
30	l	316	WVN	C29-C31-C32-C35
30	l	316	WVN	C29-C31-C32-C36
30	i	315	WVN	C06-C13-C20-C23
30	i	315	WVN	C29-C31-C32-C35
30	i	315	WVN	C29-C31-C32-C36
30	R	202	WVN	C06-C13-C20-C23
30	R	202	WVN	C15-C13-C20-C23
30	R	202	WVN	C29-C31-C32-C35
30	R	202	WVN	C29-C31-C32-C36
31	A	851	LMT	O5B-C1B-O1B-C4'
31	A	851	LMT	C2'-C1'-O1'-C1
31	A	851	LMT	O5'-C1'-O1'-C1
31	A	851	LMT	C2-C1-O1'-C1'
31	a	302	LMT	C2'-C1'-O1'-C1
31	a	302	LMT	O5'-C1'-O1'-C1
31	a	320	LMT	C2-C1-O1'-C1'

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
31	b	616	LMT	C2'-C1'-O1'-C1
31	b	616	LMT	O5'-C1'-O1'-C1
34	L	208	LMG	C2-C1-O1-C7
34	L	208	LMG	O6-C1-O1-C7
34	s	210	LMG	C2-C1-O1-C7
34	s	210	LMG	O7-C8-C9-O8
34	c	619	LMG	C2-C1-O1-C7
34	c	619	LMG	O6-C1-O1-C7
34	b	619	LMG	O9-C10-O7-C8
34	b	619	LMG	C11-C10-O7-C8
35	J	104	II0	C10-C22-C24-C26
35	J	104	II0	C25-C29-C31-C33
35	J	104	II0	C32-C34-C36-C38
35	J	104	II0	C32-C34-C36-C40
35	O	203	II0	C10-C22-C24-C26
35	c	613	II0	C09-C21-C23-C25
35	c	617	II0	C10-C22-C24-C26
35	c	617	II0	C32-C34-C36-C40
35	a	314	II0	C32-C34-C36-C38
35	a	318	II0	C25-C29-C31-C33
35	a	318	II0	C31-C33-C35-C37
35	a	318	II0	C31-C33-C35-C39
35	a	318	II0	C35-C39-C41-C42
35	b	613	II0	C09-C21-C23-C25
35	b	613	II0	C31-C33-C35-C37
35	b	613	II0	C31-C33-C35-C39
35	h	311	II0	C26-C30-C32-C34
35	h	311	II0	C32-C34-C36-C38
35	h	311	II0	C32-C34-C36-C40
35	h	312	II0	C25-C29-C31-C33
35	m	613	II0	C32-C34-C36-C38
35	m	613	II0	C32-C34-C36-C40
35	m	614	II0	C31-C33-C35-C37
35	e	612	II0	C26-C30-C32-C34
35	e	612	II0	C32-C34-C36-C38
35	e	612	II0	C32-C34-C36-C40
35	e	613	II0	C10-C22-C24-C26
35	e	614	II0	C32-C34-C36-C38
35	e	614	II0	C32-C34-C36-C40
35	l	302	II0	C31-C33-C35-C37
35	l	302	II0	C31-C33-C35-C39
35	l	302	II0	C32-C34-C36-C38

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
35	l	302	II0	C32-C34-C36-C40
35	l	313	II0	C32-C34-C36-C38
35	l	313	II0	C32-C34-C36-C40
35	l	314	II0	C31-C33-C35-C37
35	l	314	II0	C31-C33-C35-C39
35	l	315	II0	C32-C34-C36-C38
35	l	315	II0	C32-C34-C36-C40
35	l	317	II0	C32-C34-C36-C38
35	l	317	II0	C32-C34-C36-C40
35	k	315	II0	C25-C29-C31-C33
35	k	315	II0	C31-C33-C35-C37
35	k	315	II0	C31-C33-C35-C39
35	k	315	II0	C32-C34-C36-C38
35	k	315	II0	C32-C34-C36-C40
35	k	316	II0	C25-C29-C31-C33
35	k	318	II0	C31-C33-C35-C37
35	k	318	II0	C31-C33-C35-C39
35	k	318	II0	C32-C34-C36-C38
35	f	615	II0	C32-C34-C36-C38
35	f	615	II0	C32-C34-C36-C40
35	f	616	II0	C31-C33-C35-C37
35	f	616	II0	C31-C33-C35-C39
35	f	618	II0	C25-C29-C31-C33
35	f	618	II0	C32-C34-C36-C38
35	f	618	II0	C32-C34-C36-C40
35	i	313	II0	C32-C34-C36-C38
35	i	313	II0	C32-C34-C36-C40
35	i	314	II0	C32-C34-C36-C38
35	i	314	II0	C32-C34-C36-C40
35	i	318	II0	C31-C33-C35-C37
35	i	318	II0	C31-C33-C35-C39
35	j	615	II0	C31-C33-C35-C37
35	j	615	II0	C31-C33-C35-C39
35	j	615	II0	C32-C34-C36-C38
35	j	615	II0	C32-C34-C36-C40
35	d	313	II0	C26-C30-C32-C34
35	d	313	II0	C31-C33-C35-C37
35	d	313	II0	C31-C33-C35-C39
35	d	313	II0	C32-C34-C36-C38
35	d	313	II0	C32-C34-C36-C40
35	g	317	II0	C32-C34-C36-C38
35	g	317	II0	C32-C34-C36-C40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
35	g	320	II0	C32-C34-C36-C38
35	g	320	II0	C32-C34-C36-C40
35	n	615	II0	C31-C33-C35-C39
35	n	618	II0	C31-C33-C35-C37
35	n	618	II0	C31-C33-C35-C39
36	O	204	IHT	C18-C22-C23-C25
36	O	204	IHT	C30-C32-C33-C36
36	O	204	IHT	C30-C32-C33-C37
36	c	616	IHT	C30-C32-C33-C36
36	c	616	IHT	C30-C32-C33-C37
36	c	620	IHT	C31-C34-C35-C38
36	c	620	IHT	C31-C34-C35-C39
36	a	317	IHT	C02-C07-C18-C22
36	b	614	IHT	C10-C07-C18-C22
36	m	616	IHT	C31-C34-C35-C38
36	m	616	IHT	C31-C34-C35-C39
36	f	617	IHT	C23-C27-C30-C32
36	f	617	IHT	C30-C32-C33-C36
36	f	617	IHT	C30-C32-C33-C37
36	j	616	IHT	C18-C22-C23-C25
36	j	616	IHT	C18-C22-C23-C27
36	j	616	IHT	C30-C32-C33-C36
36	j	616	IHT	C30-C32-C33-C37
37	s	201	KC2	C1A-C2A-CAA-CBA
37	s	201	KC2	C3A-C2A-CAA-CBA
37	s	201	KC2	C2C-C3C-CAC-CBC
37	s	201	KC2	C4C-C3C-CAC-CBC
37	s	201	KC2	C2A-CAA-CBA-CGA
37	s	204	KC2	C1A-C2A-CAA-CBA
37	s	204	KC2	C3A-C2A-CAA-CBA
37	c	610	KC2	C1A-C2A-CAA-CBA
37	c	610	KC2	C3A-C2A-CAA-CBA
37	c	610	KC2	C2C-C3C-CAC-CBC
37	c	610	KC2	C4C-C3C-CAC-CBC
37	m	610	KC2	C2C-C3C-CAC-CBC
37	m	610	KC2	C4C-C3C-CAC-CBC
37	e	609	KC2	C2C-C3C-CAC-CBC
37	e	609	KC2	CBD-CGD-O2D-CED
37	l	311	KC2	C2C-C3C-CAC-CBC
37	k	310	KC2	C2C-C3C-CAC-CBC
37	k	310	KC2	C4C-C3C-CAC-CBC
37	k	311	KC2	C2B-C3B-CAB-CBB

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
37	k	311	KC2	C4B-C3B-CAB-CBB
37	k	311	KC2	C2C-C3C-CAC-CBC
37	k	311	KC2	C4C-C3C-CAC-CBC
37	k	311	KC2	CHA-CBD-CGD-O1D
37	k	311	KC2	CBD-CGD-O2D-CED
37	k	312	KC2	C2C-C3C-CAC-CBC
37	k	312	KC2	C4C-C3C-CAC-CBC
37	k	312	KC2	C2A-CAA-CBA-CGA
37	k	312	KC2	CAD-CBD-CGD-O1D
37	f	611	KC2	C2C-C3C-CAC-CBC
37	f	611	KC2	C4C-C3C-CAC-CBC
37	i	310	KC2	C1A-C2A-CAA-CBA
37	i	310	KC2	C2B-C3B-CAB-CBB
37	i	310	KC2	C2C-C3C-CAC-CBC
37	i	310	KC2	C4C-C3C-CAC-CBC
37	i	310	KC2	CAA-CBA-CGA-O2A
37	i	317	KC2	C2B-C3B-CAB-CBB
37	i	317	KC2	C4B-C3B-CAB-CBB
37	i	317	KC2	C2C-C3C-CAC-CBC
37	i	317	KC2	C4C-C3C-CAC-CBC
37	j	610	KC2	C1A-C2A-CAA-CBA
37	j	610	KC2	C3A-C2A-CAA-CBA
37	d	309	KC2	C1A-C2A-CAA-CBA
37	d	309	KC2	C2C-C3C-CAC-CBC
37	d	310	KC2	C2C-C3C-CAC-CBC
37	d	310	KC2	C4C-C3C-CAC-CBC
37	g	312	KC2	C1A-C2A-CAA-CBA
37	g	312	KC2	C3A-C2A-CAA-CBA
37	g	312	KC2	C2C-C3C-CAC-CBC
37	g	312	KC2	C4C-C3C-CAC-CBC
37	g	313	KC2	C2C-C3C-CAC-CBC
37	g	313	KC2	C4C-C3C-CAC-CBC
37	g	314	KC2	C1A-C2A-CAA-CBA
37	g	314	KC2	C3A-C2A-CAA-CBA
37	g	314	KC2	C2C-C3C-CAC-CBC
37	n	611	KC2	C3A-C2A-CAA-CBA
37	n	611	KC2	C2C-C3C-CAC-CBC
37	n	611	KC2	C4C-C3C-CAC-CBC
37	n	612	KC2	C1A-C2A-CAA-CBA
37	n	612	KC2	C3A-C2A-CAA-CBA
37	n	612	KC2	C2C-C3C-CAC-CBC
37	n	612	KC2	C4C-C3C-CAC-CBC

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
37	n	612	KC2	C2A-CAA-CBA-CGA
38	i	301	LMU	C2'-C1'-O1'-C1
38	i	301	LMU	C2-C1-O1'-C1'
27	A	801	CLA	O1D-CGD-O2D-CED
27	A	815	CLA	O1D-CGD-O2D-CED
27	B	801	CLA	O1D-CGD-O2D-CED
27	c	603	CLA	O1D-CGD-O2D-CED
27	m	612	CLA	O1D-CGD-O2D-CED
27	k	306	CLA	O1D-CGD-O2D-CED
37	e	609	KC2	O1D-CGD-O2D-CED
37	k	311	KC2	O1D-CGD-O2D-CED
27	f	610	CLA	C5-C6-C7-C8
27	B	802	CLA	C2C-C3C-CAC-CBC
27	K	102	CLA	O1D-CGD-O2D-CED
27	f	613	CLA	O1D-CGD-O2D-CED
27	i	309	CLA	O1D-CGD-O2D-CED
27	i	312	CLA	O1D-CGD-O2D-CED
27	d	305	CLA	O1D-CGD-O2D-CED
37	k	310	KC2	O1D-CGD-O2D-CED
27	A	813	CLA	CBD-CGD-O2D-CED
27	A	816	CLA	CBD-CGD-O2D-CED
27	A	839	CLA	CBD-CGD-O2D-CED
27	F	203	CLA	CBD-CGD-O2D-CED
27	J	103	CLA	CBD-CGD-O2D-CED
27	s	203	CLA	CBD-CGD-O2D-CED
27	c	602	CLA	CBD-CGD-O2D-CED
27	c	603	CLA	CBD-CGD-O2D-CED
27	c	604	CLA	CBD-CGD-O2D-CED
27	b	601	CLA	CBD-CGD-O2D-CED
27	b	609	CLA	CBD-CGD-O2D-CED
27	h	302	CLA	CBD-CGD-O2D-CED
27	m	612	CLA	CBD-CGD-O2D-CED
27	e	607	CLA	CBD-CGD-O2D-CED
27	k	305	CLA	CBD-CGD-O2D-CED
27	k	307	CLA	CBD-CGD-O2D-CED
27	f	606	CLA	CBD-CGD-O2D-CED
27	f	613	CLA	CBD-CGD-O2D-CED
27	i	303	CLA	CBD-CGD-O2D-CED
27	i	308	CLA	CBD-CGD-O2D-CED
27	i	311	CLA	CBD-CGD-O2D-CED
27	i	312	CLA	CBD-CGD-O2D-CED
27	j	604	CLA	CBD-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	j	606	CLA	CBD-CGD-O2D-CED
27	j	608	CLA	CBD-CGD-O2D-CED
27	j	609	CLA	CBD-CGD-O2D-CED
27	j	612	CLA	CBD-CGD-O2D-CED
27	d	302	CLA	CBD-CGD-O2D-CED
27	d	311	CLA	CBD-CGD-O2D-CED
27	g	302	CLA	CBD-CGD-O2D-CED
27	g	305	CLA	CBD-CGD-O2D-CED
27	g	310	CLA	CBD-CGD-O2D-CED
27	n	603	CLA	CBD-CGD-O2D-CED
37	k	310	KC2	CBD-CGD-O2D-CED
27	A	811	CLA	O1A-CGA-O2A-C1
27	A	842	CLA	O1A-CGA-O2A-C1
27	B	849	CLA	O1A-CGA-O2A-C1
27	F	202	CLA	O1A-CGA-O2A-C1
27	O	206	CLA	O1A-CGA-O2A-C1
27	c	601	CLA	O1A-CGA-O2A-C1
27	a	311	CLA	O1A-CGA-O2A-C1
27	a	312	CLA	O1A-CGA-O2A-C1
27	h	302	CLA	O1A-CGA-O2A-C1
27	e	606	CLA	O1A-CGA-O2A-C1
27	l	307	CLA	O1A-CGA-O2A-C1
27	l	308	CLA	O1A-CGA-O2A-C1
27	i	306	CLA	O1A-CGA-O2A-C1
29	A	850	LHG	O10-C23-O8-C6
29	e	617	LHG	O10-C23-O8-C6
27	d	306	CLA	O1A-CGA-O2A-C1
27	A	856	CLA	O1D-CGD-O2D-CED
27	s	203	CLA	O1D-CGD-O2D-CED
27	b	610	CLA	O1D-CGD-O2D-CED
27	h	302	CLA	O1D-CGD-O2D-CED
27	m	612	CLA	C4C-C3C-CAC-CBC
38	i	301	LMU	O5B-C1B-O1B-C4'
27	B	804	CLA	O1D-CGD-O2D-CED
27	O	202	CLA	O1D-CGD-O2D-CED
27	c	606	CLA	O1D-CGD-O2D-CED
27	c	611	CLA	O1D-CGD-O2D-CED
27	c	612	CLA	O1D-CGD-O2D-CED
27	b	606	CLA	O1D-CGD-O2D-CED
27	b	608	CLA	O1D-CGD-O2D-CED
27	l	306	CLA	O1D-CGD-O2D-CED
27	l	310	CLA	O1D-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	k	305	CLA	O1D-CGD-O2D-CED
27	k	308	CLA	O1D-CGD-O2D-CED
27	k	309	CLA	O1D-CGD-O2D-CED
27	f	605	CLA	O1D-CGD-O2D-CED
27	j	608	CLA	O1D-CGD-O2D-CED
27	j	611	CLA	O1D-CGD-O2D-CED
27	A	842	CLA	CBA-CGA-O2A-C1
27	a	311	CLA	CBA-CGA-O2A-C1
27	h	302	CLA	CBA-CGA-O2A-C1
27	e	606	CLA	CBA-CGA-O2A-C1
27	l	307	CLA	CBA-CGA-O2A-C1
27	i	306	CLA	CBA-CGA-O2A-C1
29	A	850	LHG	C24-C23-O8-C6
29	e	617	LHG	C24-C23-O8-C6
27	A	814	CLA	CBD-CGD-O2D-CED
27	A	840	CLA	CBD-CGD-O2D-CED
27	B	818	CLA	CBD-CGD-O2D-CED
27	B	838	CLA	CBD-CGD-O2D-CED
27	L	202	CLA	CBD-CGD-O2D-CED
27	s	206	CLA	CBD-CGD-O2D-CED
27	a	306	CLA	CBD-CGD-O2D-CED
27	m	605	CLA	CBD-CGD-O2D-CED
27	e	602	CLA	CBD-CGD-O2D-CED
27	l	304	CLA	CBD-CGD-O2D-CED
27	l	312	CLA	CBD-CGD-O2D-CED
27	i	307	CLA	CBD-CGD-O2D-CED
27	j	605	CLA	CBD-CGD-O2D-CED
27	j	607	CLA	CBD-CGD-O2D-CED
27	g	307	CLA	CBD-CGD-O2D-CED
27	g	311	CLA	CBD-CGD-O2D-CED
27	g	315	CLA	CBD-CGD-O2D-CED
27	n	601	CLA	CBD-CGD-O2D-CED
37	k	312	KC2	CBD-CGD-O2D-CED
27	A	803	CLA	O1A-CGA-O2A-C1
27	A	821	CLA	O1A-CGA-O2A-C1
27	B	809	CLA	O1A-CGA-O2A-C1
27	B	811	CLA	O1A-CGA-O2A-C1
27	B	829	CLA	O1A-CGA-O2A-C1
27	h	303	CLA	O1A-CGA-O2A-C1
27	h	305	CLA	O1A-CGA-O2A-C1
27	j	611	CLA	O1A-CGA-O2A-C1
29	c	618	LHG	O10-C23-O8-C6

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
34	b	619	LMG	O10-C28-O8-C9
27	B	802	CLA	O1D-CGD-O2D-CED
27	f	612	CLA	O1D-CGD-O2D-CED
27	d	308	CLA	O1D-CGD-O2D-CED
27	g	305	CLA	O1D-CGD-O2D-CED
27	n	613	CLA	O1D-CGD-O2D-CED
27	e	604	CLA	C10-C11-C12-C13
27	e	604	CLA	O1D-CGD-O2D-CED
27	m	612	CLA	C2C-C3C-CAC-CBC
27	c	607	CLA	CBD-CGD-O2D-CED
27	a	313	CLA	CBD-CGD-O2D-CED
27	h	301	CLA	CBD-CGD-O2D-CED
27	h	306	CLA	CBD-CGD-O2D-CED
27	b	611	CLA	O1D-CGD-O2D-CED
29	d	315	LHG	O9-C7-O7-C5
27	A	835	CLA	O1A-CGA-O2A-C1
27	b	606	CLA	O1A-CGA-O2A-C1
27	c	607	CLA	CBA-CGA-O2A-C1
27	c	607	CLA	O1A-CGA-O2A-C1
27	A	802	CLA	C3-C5-C6-C7
27	A	820	CLA	C3-C5-C6-C7
27	A	841	CLA	C3-C5-C6-C7
27	B	806	CLA	C3-C5-C6-C7
27	B	821	CLA	C3-C5-C6-C7
27	B	829	CLA	C3-C5-C6-C7
27	B	835	CLA	C3-C5-C6-C7
27	b	607	CLA	C3-C5-C6-C7
27	e	605	CLA	C3-C5-C6-C7
27	l	304	CLA	C3-C5-C6-C7
27	k	307	CLA	C3-C5-C6-C7
27	f	610	CLA	C3-C5-C6-C7
28	A	843	PQN	C13-C15-C16-C17
28	B	841	PQN	C13-C15-C16-C17
27	A	803	CLA	CBA-CGA-O2A-C1
27	A	821	CLA	CBA-CGA-O2A-C1
27	B	849	CLA	CBA-CGA-O2A-C1
27	F	202	CLA	CBA-CGA-O2A-C1
27	O	206	CLA	CBA-CGA-O2A-C1
27	b	601	CLA	CBA-CGA-O2A-C1
27	h	303	CLA	CBA-CGA-O2A-C1
27	h	305	CLA	CBA-CGA-O2A-C1
27	e	611	CLA	CBA-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	l	308	CLA	CBA-CGA-O2A-C1
27	f	610	CLA	CBA-CGA-O2A-C1
27	j	606	CLA	CBA-CGA-O2A-C1
27	j	611	CLA	CBA-CGA-O2A-C1
27	g	308	CLA	CBA-CGA-O2A-C1
31	b	616	LMT	O5'-C5'-C6'-O6'
38	i	301	LMU	O5'-C5'-C6'-O6'
29	a	301	LHG	C8-C7-O7-C5
29	e	617	LHG	C8-C7-O7-C5
29	f	619	LHG	C8-C7-O7-C5
27	s	209	CLA	CBD-CGD-O2D-CED
27	k	301	CLA	CBD-CGD-O2D-CED
27	A	814	CLA	O1A-CGA-O2A-C1
27	B	835	CLA	C2C-C3C-CAC-CBC
27	A	838	CLA	C4-C3-C5-C6
27	c	606	CLA	C4-C3-C5-C6
27	f	602	CLA	C4-C3-C5-C6
27	A	811	CLA	C2-C3-C5-C6
27	A	816	CLA	C2-C3-C5-C6
27	A	838	CLA	C2-C3-C5-C6
27	B	820	CLA	C2-C3-C5-C6
27	l	312	CLA	C2-C3-C5-C6
27	a	309	CLA	CBD-CGD-O2D-CED
27	m	603	CLA	CBD-CGD-O2D-CED
27	f	601	CLA	CBD-CGD-O2D-CED
27	f	602	CLA	CBD-CGD-O2D-CED
27	A	821	CLA	C2A-CAA-CBA-CGA
27	A	822	CLA	C2A-CAA-CBA-CGA
27	B	811	CLA	C2A-CAA-CBA-CGA
27	B	834	CLA	C2A-CAA-CBA-CGA
27	L	204	CLA	C2A-CAA-CBA-CGA
27	s	206	CLA	C2A-CAA-CBA-CGA
27	c	602	CLA	C2A-CAA-CBA-CGA
27	c	608	CLA	C2A-CAA-CBA-CGA
27	c	611	CLA	C2A-CAA-CBA-CGA
27	k	304	CLA	C2A-CAA-CBA-CGA
27	f	612	CLA	C2A-CAA-CBA-CGA
27	i	303	CLA	C2A-CAA-CBA-CGA
27	i	311	CLA	C2A-CAA-CBA-CGA
27	g	315	CLA	C2A-CAA-CBA-CGA
27	A	823	CLA	O1A-CGA-O2A-C1
27	g	308	CLA	O1A-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	k	307	CLA	O1D-CGD-O2D-CED
27	O	202	CLA	C3-C5-C6-C7
27	g	322	CLA	C3-C5-C6-C7
27	A	823	CLA	CBA-CGA-O2A-C1
27	A	830	CLA	CBA-CGA-O2A-C1
27	A	835	CLA	CBA-CGA-O2A-C1
27	B	801	CLA	CBA-CGA-O2A-C1
27	B	809	CLA	CBA-CGA-O2A-C1
27	B	811	CLA	CBA-CGA-O2A-C1
27	B	813	CLA	CBA-CGA-O2A-C1
27	B	829	CLA	CBA-CGA-O2A-C1
27	B	836	CLA	CBA-CGA-O2A-C1
27	c	601	CLA	CBA-CGA-O2A-C1
27	c	606	CLA	CBA-CGA-O2A-C1
27	c	608	CLA	CBA-CGA-O2A-C1
27	b	606	CLA	CBA-CGA-O2A-C1
27	f	602	CLA	CBA-CGA-O2A-C1
27	f	607	CLA	CBA-CGA-O2A-C1
27	i	307	CLA	CBA-CGA-O2A-C1
27	g	322	CLA	CBA-CGA-O2A-C1
27	n	609	CLA	CBA-CGA-O2A-C1
29	c	618	LHG	C24-C23-O8-C6
34	b	619	LMG	C29-C28-O8-C9
27	J	103	CLA	O1D-CGD-O2D-CED
27	d	307	CLA	CBD-CGD-O2D-CED
37	j	610	KC2	CBD-CGD-O2D-CED
29	e	617	LHG	C26-C27-C28-C29
27	A	816	CLA	O1D-CGD-O2D-CED
27	i	303	CLA	O1D-CGD-O2D-CED
27	i	308	CLA	O1D-CGD-O2D-CED
27	i	311	CLA	O1D-CGD-O2D-CED
27	d	311	CLA	O1D-CGD-O2D-CED
29	A	850	LHG	O9-C7-O7-C5
29	k	319	LHG	O9-C7-O7-C5
27	A	841	CLA	O1A-CGA-O2A-C1
27	B	827	CLA	O1A-CGA-O2A-C1
27	B	836	CLA	O1A-CGA-O2A-C1
27	c	605	CLA	O1A-CGA-O2A-C1
27	c	608	CLA	O1A-CGA-O2A-C1
27	b	601	CLA	O1A-CGA-O2A-C1
27	f	602	CLA	O1A-CGA-O2A-C1
27	f	610	CLA	O1A-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	839	CLA	O1D-CGD-O2D-CED
30	I	101	WVN	C22-C26-C29-C31
35	J	104	II0	C26-C30-C32-C34
35	O	203	II0	C25-C29-C31-C33
35	c	615	II0	C36-C40-C42-C41
35	c	617	II0	C26-C30-C32-C34
35	h	311	II0	C36-C40-C42-C41
35	m	613	II0	C26-C30-C32-C34
35	e	614	II0	C26-C30-C32-C34
35	e	616	II0	C36-C40-C42-C41
35	f	614	II0	C26-C30-C32-C34
35	j	615	II0	C25-C29-C31-C33
35	j	615	II0	C36-C40-C42-C41
36	b	614	IHT	C26-C29-C31-C34
37	e	609	KC2	CAA-CBA-CGA-O2A
37	i	310	KC2	CAA-CBA-CGA-O1A
27	A	805	CLA	CBD-CGD-O2D-CED
27	A	817	CLA	CBD-CGD-O2D-CED
27	A	818	CLA	CBD-CGD-O2D-CED
27	A	832	CLA	CBD-CGD-O2D-CED
27	A	837	CLA	CBD-CGD-O2D-CED
27	B	807	CLA	CBD-CGD-O2D-CED
27	c	601	CLA	CBD-CGD-O2D-CED
27	a	307	CLA	CBD-CGD-O2D-CED
27	h	313	CLA	CBD-CGD-O2D-CED
27	k	303	CLA	CBD-CGD-O2D-CED
27	g	322	CLA	CBD-CGD-O2D-CED
27	n	605	CLA	CBD-CGD-O2D-CED
37	i	310	KC2	CBD-CGD-O2D-CED
37	i	317	KC2	CBD-CGD-O2D-CED
27	F	203	CLA	O1D-CGD-O2D-CED
27	c	604	CLA	O1D-CGD-O2D-CED
27	e	607	CLA	O1D-CGD-O2D-CED
27	f	606	CLA	O1D-CGD-O2D-CED
29	J	107	LHG	O2-C2-C3-O3
29	d	315	LHG	O2-C2-C3-O3
27	A	829	CLA	C3-C5-C6-C7
27	B	812	CLA	C3-C5-C6-C7
27	e	611	CLA	C3-C5-C6-C7
27	A	818	CLA	CBA-CGA-O2A-C1
27	A	841	CLA	CBA-CGA-O2A-C1
27	b	611	CLA	CBA-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	k	305	CLA	CBA-CGA-O2A-C1
27	f	613	CLA	CBA-CGA-O2A-C1
27	d	311	CLA	CBA-CGA-O2A-C1
27	n	605	CLA	CBA-CGA-O2A-C1
29	g	301	LHG	C24-C23-O8-C6
27	j	606	CLA	O1A-CGA-O2A-C1
27	g	322	CLA	O1A-CGA-O2A-C1
38	i	301	LMU	C4'-C5'-C6'-O6'
27	j	604	CLA	O1D-CGD-O2D-CED
27	j	612	CLA	O1D-CGD-O2D-CED
27	g	310	CLA	O1D-CGD-O2D-CED
27	c	602	CLA	O1D-CGD-O2D-CED
27	B	829	CLA	CBD-CGD-O2D-CED
27	B	849	CLA	CBD-CGD-O2D-CED
27	e	611	CLA	CBD-CGD-O2D-CED
34	b	619	LMG	O6-C5-C6-O5
31	b	616	LMT	C4'-C5'-C6'-O6'
27	b	607	CLA	C2C-C3C-CAC-CBC
29	f	619	LHG	C28-C29-C30-C31
31	a	320	LMT	C11-C10-C9-C8
29	l	318	LHG	C24-C25-C26-C27
29	f	619	LHG	C33-C34-C35-C36
31	A	851	LMT	C4'-C5'-C6'-O6'
27	b	609	CLA	O1D-CGD-O2D-CED
27	d	302	CLA	O1D-CGD-O2D-CED
34	J	106	LMG	C28-C29-C30-C31
27	B	810	CLA	C3-C5-C6-C7
27	a	308	CLA	C3-C5-C6-C7
27	l	310	CLA	C3-C5-C6-C7
27	A	814	CLA	CBA-CGA-O2A-C1
27	B	827	CLA	CBA-CGA-O2A-C1
27	c	605	CLA	CBA-CGA-O2A-C1
27	A	813	CLA	O1D-CGD-O2D-CED
27	b	601	CLA	O1D-CGD-O2D-CED
27	j	606	CLA	O1D-CGD-O2D-CED
27	A	818	CLA	O1A-CGA-O2A-C1
27	B	801	CLA	O1A-CGA-O2A-C1
27	B	813	CLA	O1A-CGA-O2A-C1
27	c	606	CLA	O1A-CGA-O2A-C1
27	b	611	CLA	O1A-CGA-O2A-C1
27	f	607	CLA	O1A-CGA-O2A-C1
27	f	613	CLA	O1A-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	i	307	CLA	O1A-CGA-O2A-C1
27	d	311	CLA	O1A-CGA-O2A-C1
29	g	301	LHG	O10-C23-O8-C6
29	b	617	LHG	C26-C27-C28-C29
27	A	816	CLA	C4-C3-C5-C6
27	A	855	CLA	C4-C3-C5-C6
27	B	835	CLA	C4-C3-C5-C6
27	O	206	CLA	C4-C3-C5-C6
27	b	606	CLA	C4-C3-C5-C6
27	b	610	CLA	C4-C3-C5-C6
27	f	607	CLA	C4-C3-C5-C6
27	f	610	CLA	C4-C3-C5-C6
31	a	320	LMT	C4B-C5B-C6B-O6B
27	A	835	CLA	C2-C3-C5-C6
27	A	855	CLA	C2-C3-C5-C6
27	B	835	CLA	C2-C3-C5-C6
27	O	206	CLA	C2-C3-C5-C6
27	b	606	CLA	C2-C3-C5-C6
27	b	610	CLA	C2-C3-C5-C6
27	f	607	CLA	C2-C3-C5-C6
27	f	610	CLA	C2-C3-C5-C6
27	A	811	CLA	C2A-CAA-CBA-CGA
27	F	203	CLA	C2A-CAA-CBA-CGA
27	h	303	CLA	C2A-CAA-CBA-CGA
27	e	601	CLA	C2A-CAA-CBA-CGA
27	j	606	CLA	C2A-CAA-CBA-CGA
27	n	603	CLA	O1D-CGD-O2D-CED
27	B	803	CLA	O1A-CGA-O2A-C1
27	k	305	CLA	O1A-CGA-O2A-C1
34	s	210	LMG	O6-C1-O1-C7
27	A	818	CLA	C4C-C3C-CAC-CBC
27	A	801	CLA	CBA-CGA-O2A-C1
27	B	815	CLA	CBA-CGA-O2A-C1
27	n	607	CLA	CBA-CGA-O2A-C1
27	A	814	CLA	O1D-CGD-O2D-CED
27	l	304	CLA	O1D-CGD-O2D-CED
27	j	609	CLA	O1D-CGD-O2D-CED
27	n	605	CLA	O1A-CGA-O2A-C1
27	m	605	CLA	O1D-CGD-O2D-CED
27	l	312	CLA	O1D-CGD-O2D-CED
27	j	605	CLA	O1D-CGD-O2D-CED
29	b	618	LHG	C1-C2-C3-O3

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	830	CLA	O1A-CGA-O2A-C1
27	B	815	CLA	O1A-CGA-O2A-C1
27	B	837	CLA	O1A-CGA-O2A-C1
27	n	609	CLA	O1A-CGA-O2A-C1
27	b	604	CLA	C3-C5-C6-C7
27	A	840	CLA	O1D-CGD-O2D-CED
27	g	302	CLA	O1D-CGD-O2D-CED
27	A	822	CLA	CBA-CGA-O2A-C1
27	A	837	CLA	CBA-CGA-O2A-C1
27	B	803	CLA	CBA-CGA-O2A-C1
27	B	807	CLA	CBA-CGA-O2A-C1
27	B	825	CLA	CBA-CGA-O2A-C1
27	B	826	CLA	CBA-CGA-O2A-C1
27	B	837	CLA	CBA-CGA-O2A-C1
27	F	203	CLA	CBA-CGA-O2A-C1
27	L	203	CLA	CBA-CGA-O2A-C1
27	s	208	CLA	CBA-CGA-O2A-C1
27	a	310	CLA	CBA-CGA-O2A-C1
27	m	602	CLA	CBA-CGA-O2A-C1
27	e	607	CLA	CBA-CGA-O2A-C1
27	k	309	CLA	CBA-CGA-O2A-C1
27	f	603	CLA	CBA-CGA-O2A-C1
27	i	303	CLA	CBA-CGA-O2A-C1
27	j	609	CLA	CBA-CGA-O2A-C1
27	g	306	CLA	CBA-CGA-O2A-C1
29	k	319	LHG	C24-C23-O8-C6
29	g	321	LHG	C24-C23-O8-C6
34	c	619	LMG	C29-C28-O8-C9
27	b	603	CLA	C15-C16-C17-C18
27	B	812	CLA	CBD-CGD-O2D-CED
27	b	602	CLA	CBD-CGD-O2D-CED
27	b	604	CLA	CBD-CGD-O2D-CED
27	l	307	CLA	CBD-CGD-O2D-CED
29	f	619	LHG	C12-C13-C14-C15
30	e	615	WVN	C25-C28-C30-C33
30	l	316	WVN	C22-C26-C29-C31
30	R	202	WVN	C22-C26-C29-C31
35	h	311	II0	C35-C39-C41-C42
35	e	613	II0	C25-C29-C31-C33
35	l	302	II0	C25-C29-C31-C33
35	l	313	II0	C26-C30-C32-C34
35	k	318	II0	C25-C29-C31-C33

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
35	f	616	II0	C25-C29-C31-C33
35	i	313	II0	C26-C30-C32-C34
35	j	613	II0	C26-C30-C32-C34
35	d	312	II0	C25-C29-C31-C33
35	g	316	II0	C26-C30-C32-C34
35	g	320	II0	C26-C30-C32-C34
35	n	615	II0	C25-C29-C31-C33
36	c	616	IHT	C26-C29-C31-C34
36	c	620	IHT	C26-C29-C31-C34
34	L	208	LMG	C38-C39-C40-C41
27	h	306	CLA	C8-C10-C11-C12
37	s	201	KC2	CAA-CBA-CGA-O2A
37	f	611	KC2	CAA-CBA-CGA-O2A
27	A	832	CLA	C15-C16-C17-C18
27	B	837	CLA	C5-C6-C7-C8
27	b	602	CLA	C5-C6-C7-C8
27	b	605	CLA	C8-C10-C11-C12
27	f	602	CLA	C8-C10-C11-C12
29	a	319	LHG	O2-C2-C3-O3
29	b	618	LHG	O2-C2-C3-O3
29	J	107	LHG	C23-C24-C25-C26
27	a	303	CLA	C3-C5-C6-C7
27	h	306	CLA	CBA-CGA-O2A-C1
27	A	812	CLA	C4-C3-C5-C6
27	c	606	CLA	C2-C3-C5-C6
27	f	602	CLA	C2-C3-C5-C6
27	A	802	CLA	C11-C10-C8-C9
27	A	806	CLA	C11-C12-C13-C14
27	A	809	CLA	C6-C7-C8-C9
27	A	812	CLA	C11-C12-C13-C14
27	A	817	CLA	C11-C10-C8-C9
27	A	839	CLA	C11-C12-C13-C14
27	A	840	CLA	C14-C13-C15-C16
27	A	841	CLA	C14-C13-C15-C16
27	A	842	CLA	C14-C13-C15-C16
27	A	853	CLA	C14-C13-C15-C16
27	B	801	CLA	C11-C12-C13-C14
27	B	804	CLA	C11-C10-C8-C9
27	B	805	CLA	C6-C7-C8-C9
27	B	812	CLA	C11-C10-C8-C9
27	B	820	CLA	C11-C12-C13-C14
27	B	821	CLA	C11-C10-C8-C9

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	B	834	CLA	C11-C12-C13-C14
27	B	835	CLA	C6-C7-C8-C9
27	B	838	CLA	C11-C12-C13-C14
27	B	838	CLA	C14-C13-C15-C16
27	F	202	CLA	C11-C10-C8-C9
27	L	203	CLA	C6-C7-C8-C9
27	c	608	CLA	C11-C10-C8-C9
27	c	608	CLA	C14-C13-C15-C16
27	a	309	CLA	C6-C7-C8-C9
27	a	312	CLA	C11-C12-C13-C14
27	a	312	CLA	C14-C13-C15-C16
27	b	605	CLA	C14-C13-C15-C16
27	b	607	CLA	C14-C13-C15-C16
27	b	611	CLA	C11-C12-C13-C14
27	h	306	CLA	C11-C10-C8-C9
27	e	605	CLA	C11-C10-C8-C9
27	e	605	CLA	C11-C12-C13-C14
27	e	606	CLA	C6-C7-C8-C9
27	e	606	CLA	C11-C10-C8-C9
27	e	607	CLA	C11-C10-C8-C9
27	e	607	CLA	C14-C13-C15-C16
27	e	610	CLA	C11-C12-C13-C14
27	k	307	CLA	C11-C10-C8-C9
27	f	607	CLA	C6-C7-C8-C9
27	f	607	CLA	C11-C12-C13-C14
27	f	609	CLA	C11-C10-C8-C9
27	i	305	CLA	C11-C12-C13-C14
27	j	604	CLA	C11-C10-C8-C9
27	g	308	CLA	C11-C12-C13-C14
27	g	308	CLA	C14-C13-C15-C16
27	g	309	CLA	C11-C10-C8-C9
27	n	604	CLA	C6-C7-C8-C9
27	n	607	CLA	C14-C13-C15-C16
27	n	609	CLA	C14-C13-C15-C16
27	n	610	CLA	C14-C13-C15-C16
28	A	843	PQN	C16-C17-C18-C19
28	B	841	PQN	C16-C17-C18-C19
27	B	818	CLA	O1D-CGD-O2D-CED
27	B	838	CLA	O1D-CGD-O2D-CED
27	L	202	CLA	O1D-CGD-O2D-CED
27	a	306	CLA	O1D-CGD-O2D-CED
27	e	602	CLA	O1D-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	m	611	CLA	CBD-CGD-O2D-CED
27	A	819	CLA	C2A-CAA-CBA-CGA
27	B	826	CLA	C2A-CAA-CBA-CGA
27	s	202	CLA	C2A-CAA-CBA-CGA
27	h	307	CLA	C2A-CAA-CBA-CGA
27	m	611	CLA	C2A-CAA-CBA-CGA
27	f	607	CLA	C2A-CAA-CBA-CGA
27	n	601	CLA	C2A-CAA-CBA-CGA
30	A	846	WVN	C11-C19-C22-C24
30	B	845	WVN	C20-C23-C25-C27
30	B	846	WVN	C30-C33-C34-C38
30	B	847	WVN	C29-C31-C32-C35
30	B	848	WVN	C20-C23-C25-C27
30	F	205	WVN	C11-C19-C22-C24
30	F	205	WVN	C29-C31-C32-C35
30	F	205	WVN	C30-C33-C34-C38
30	J	101	WVN	C11-C19-C22-C24
30	L	201	WVN	C29-C31-C32-C35
30	L	205	WVN	C20-C23-C25-C27
30	e	615	WVN	C11-C19-C22-C24
30	e	615	WVN	C20-C23-C25-C27
30	l	316	WVN	C11-C19-C22-C24
30	i	315	WVN	C20-C23-C25-C27
30	R	201	WVN	C11-C19-C22-C24
30	R	201	WVN	C30-C33-C34-C38
35	J	104	II0	C31-C33-C35-C37
35	c	613	II0	C32-C34-C36-C38
35	c	617	II0	C32-C34-C36-C38
35	a	315	II0	C32-C34-C36-C38
35	m	614	II0	C32-C34-C36-C38
35	f	614	II0	C32-C34-C36-C38
35	j	613	II0	C32-C34-C36-C38
35	d	312	II0	C32-C34-C36-C38
35	g	316	II0	C32-C34-C36-C38
35	n	615	II0	C31-C33-C35-C37
36	c	620	IHT	C30-C32-C33-C36
36	a	317	IHT	C18-C22-C23-C25
36	b	614	IHT	C31-C34-C35-C39
36	m	616	IHT	C18-C22-C23-C25
36	k	317	IHT	C18-C22-C23-C25
36	f	617	IHT	C18-C22-C23-C25
36	g	319	IHT	C18-C22-C23-C25

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
36	R	204	IHT	C18-C22-C23-C25
36	n	617	IHT	C18-C22-C23-C25
36	n	617	IHT	C30-C32-C33-C36
30	A	849	WVN	C30-C33-C34-C37
30	B	845	WVN	C20-C23-C25-C28
30	B	847	WVN	C29-C31-C32-C36
30	F	205	WVN	C29-C31-C32-C36
30	L	205	WVN	C20-C23-C25-C28
30	h	309	WVN	C11-C19-C22-C26
30	e	615	WVN	C20-C23-C25-C28
30	l	316	WVN	C11-C19-C22-C26
30	i	315	WVN	C20-C23-C25-C28
30	R	201	WVN	C11-C19-C22-C26
35	J	104	II0	C31-C33-C35-C39
35	O	203	II0	C31-C33-C35-C39
35	c	613	II0	C32-C34-C36-C40
35	a	315	II0	C32-C34-C36-C40
35	m	614	II0	C32-C34-C36-C40
35	m	615	II0	C32-C34-C36-C40
35	f	614	II0	C32-C34-C36-C40
35	j	613	II0	C32-C34-C36-C40
35	d	312	II0	C32-C34-C36-C40
35	g	316	II0	C32-C34-C36-C40
36	O	204	IHT	C18-C22-C23-C27
36	O	204	IHT	C31-C34-C35-C38
36	c	620	IHT	C18-C22-C23-C27
36	a	317	IHT	C18-C22-C23-C27
36	b	614	IHT	C31-C34-C35-C38
36	m	616	IHT	C18-C22-C23-C27
36	k	317	IHT	C18-C22-C23-C27
36	f	617	IHT	C18-C22-C23-C27
36	R	204	IHT	C18-C22-C23-C27
36	n	617	IHT	C18-C22-C23-C27
36	n	617	IHT	C30-C32-C33-C37
27	A	822	CLA	O1A-CGA-O2A-C1
27	B	807	CLA	O1A-CGA-O2A-C1
27	B	825	CLA	O1A-CGA-O2A-C1
27	B	826	CLA	O1A-CGA-O2A-C1
27	a	310	CLA	O1A-CGA-O2A-C1
27	m	602	CLA	O1A-CGA-O2A-C1
29	k	319	LHG	O10-C23-O8-C6
34	c	619	LMG	O10-C28-O8-C9

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	611	CLA	C5-C6-C7-C8
27	l	304	CLA	C15-C16-C17-C18
27	l	307	CLA	C13-C15-C16-C17
27	f	607	CLA	C15-C16-C17-C18
34	c	619	LMG	C37-C38-C39-C40
37	k	311	KC2	CAA-CBA-CGA-O2A
27	A	818	CLA	C2C-C3C-CAC-CBC
31	b	616	LMT	C7-C8-C9-C10
27	s	203	CLA	C3-C5-C6-C7
27	e	604	CLA	C3-C5-C6-C7
27	F	201	CLA	CBA-CGA-O2A-C1
27	A	802	CLA	C5-C6-C7-C8
27	F	202	CLA	C5-C6-C7-C8
27	b	603	CLA	C5-C6-C7-C8
27	b	611	CLA	C8-C10-C11-C12
27	m	603	CLA	C15-C16-C17-C18
27	l	306	CLA	C10-C11-C12-C13
31	A	851	LMT	O5'-C5'-C6'-O6'
29	l	318	LHG	C23-C24-C25-C26
27	c	607	CLA	O1D-CGD-O2D-CED
27	g	311	CLA	O1D-CGD-O2D-CED
31	a	302	LMT	C4'-C5'-C6'-O6'
27	A	827	CLA	CBD-CGD-O2D-CED
27	B	816	CLA	CBD-CGD-O2D-CED
27	A	842	CLA	C15-C16-C17-C18
27	B	835	CLA	C10-C11-C12-C13
27	B	835	CLA	C13-C15-C16-C17
27	B	838	CLA	C10-C11-C12-C13
27	b	606	CLA	C10-C11-C12-C13
27	m	606	CLA	C5-C6-C7-C8
27	e	607	CLA	C5-C6-C7-C8
27	l	304	CLA	C10-C11-C12-C13
27	f	602	CLA	C13-C15-C16-C17
27	g	309	CLA	C5-C6-C7-C8
27	n	601	CLA	O1D-CGD-O2D-CED
27	s	208	CLA	O1A-CGA-O2A-C1
29	a	301	LHG	C7-C8-C9-C10
29	f	619	LHG	C23-C24-C25-C26
29	i	316	LHG	C7-C8-C9-C10
34	F	206	LMG	C10-C11-C12-C13
27	B	802	CLA	C4C-C3C-CAC-CBC
27	A	826	CLA	C5-C6-C7-C8

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	B	812	CLA	C8-C10-C11-C12
27	b	610	CLA	C5-C6-C7-C8
27	h	306	CLA	C15-C16-C17-C18
27	e	604	CLA	C5-C6-C7-C8
27	e	606	CLA	C15-C16-C17-C18
27	f	613	CLA	C10-C11-C12-C13
27	A	832	CLA	CBA-CGA-O2A-C1
27	f	612	CLA	CBA-CGA-O2A-C1
27	s	206	CLA	O1D-CGD-O2D-CED
37	s	201	KC2	CAA-CBA-CGA-O1A
37	k	312	KC2	CAA-CBA-CGA-O2A
27	h	301	CLA	C2-C1-O2A-CGA
29	g	321	LHG	C25-C26-C27-C28
27	B	818	CLA	C5-C6-C7-C8
27	B	840	CLA	C13-C15-C16-C17
27	c	604	CLA	C13-C15-C16-C17
27	a	308	CLA	C15-C16-C17-C18
27	b	603	CLA	C8-C10-C11-C12
27	b	607	CLA	C13-C15-C16-C17
27	A	808	CLA	CBD-CGD-O2D-CED
27	A	822	CLA	CBD-CGD-O2D-CED
27	B	815	CLA	C8-C10-C11-C12
29	d	315	LHG	C24-C25-C26-C27
27	A	802	CLA	C8-C10-C11-C12
27	a	312	CLA	C8-C10-C11-C12
28	B	841	PQN	C18-C20-C21-C22
27	i	307	CLA	O1D-CGD-O2D-CED
27	A	812	CLA	C6-C7-C8-C10
27	A	818	CLA	C12-C13-C15-C16
27	A	826	CLA	C12-C13-C15-C16
27	A	831	CLA	C11-C12-C13-C15
27	A	836	CLA	C6-C7-C8-C10
27	A	840	CLA	C11-C12-C13-C15
27	A	841	CLA	C11-C12-C13-C15
27	B	804	CLA	C11-C12-C13-C15
27	B	810	CLA	C11-C10-C8-C7
27	B	829	CLA	C6-C7-C8-C10
27	F	202	CLA	C6-C7-C8-C10
27	L	203	CLA	C12-C13-C15-C16
27	a	308	CLA	C11-C12-C13-C15
27	a	312	CLA	C6-C7-C8-C10
27	b	608	CLA	C11-C10-C8-C7

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	610	CLA	C11-C10-C8-C7
27	b	611	CLA	C6-C7-C8-C10
27	h	301	CLA	C11-C12-C13-C15
27	h	306	CLA	C6-C7-C8-C10
27	h	307	CLA	C6-C7-C8-C10
27	h	313	CLA	C12-C13-C15-C16
27	e	606	CLA	C11-C12-C13-C15
27	e	607	CLA	C12-C13-C15-C16
27	e	610	CLA	C6-C7-C8-C10
27	e	611	CLA	C12-C13-C15-C16
27	l	304	CLA	C6-C7-C8-C10
27	k	303	CLA	C11-C12-C13-C15
27	k	307	CLA	C12-C13-C15-C16
27	i	305	CLA	C12-C13-C15-C16
27	j	612	CLA	C11-C12-C13-C15
27	n	607	CLA	C6-C7-C8-C10
27	n	607	CLA	C11-C12-C13-C15
28	A	843	PQN	C22-C23-C25-C26
28	B	841	PQN	C22-C23-C25-C26
27	l	307	CLA	C3-C5-C6-C7
27	L	203	CLA	O1A-CGA-O2A-C1
27	k	309	CLA	O1A-CGA-O2A-C1
30	F	204	WVN	C32-C36-C39-C40
30	F	205	WVN	C22-C26-C29-C31
30	s	207	WVN	C25-C28-C30-C33
30	h	309	WVN	C25-C28-C30-C33
30	h	309	WVN	C34-C37-C40-C39
35	c	615	II0	C25-C29-C31-C33
35	a	315	II0	C26-C30-C32-C34
35	a	318	II0	C36-C40-C42-C41
35	m	614	II0	C26-C30-C32-C34
35	m	615	II0	C26-C30-C32-C34
35	k	315	II0	C36-C40-C42-C41
35	i	318	II0	C25-C29-C31-C33
35	g	317	II0	C25-C29-C31-C33
35	g	318	II0	C25-C29-C31-C33
36	O	204	IHT	C26-C29-C31-C34
36	k	317	IHT	C33-C37-C40-C41
27	B	830	CLA	CBD-CGD-O2D-CED
27	A	817	CLA	C2A-CAA-CBA-CGA
27	B	839	CLA	C2A-CAA-CBA-CGA
27	b	602	CLA	C2A-CAA-CBA-CGA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	h	302	CLA	C2A-CAA-CBA-CGA
27	m	604	CLA	C2A-CAA-CBA-CGA
27	j	604	CLA	C2A-CAA-CBA-CGA
27	d	305	CLA	C2A-CAA-CBA-CGA
27	g	322	CLA	C2A-CAA-CBA-CGA
27	h	306	CLA	O1D-CGD-O2D-CED
27	j	607	CLA	O1D-CGD-O2D-CED
27	g	307	CLA	O1D-CGD-O2D-CED
27	g	315	CLA	O1D-CGD-O2D-CED
27	A	807	CLA	C8-C10-C11-C12
27	B	832	CLA	C13-C15-C16-C17
27	O	202	CLA	C5-C6-C7-C8
27	e	604	CLA	C13-C15-C16-C17
27	f	613	CLA	C15-C16-C17-C18
27	g	322	CLA	C5-C6-C7-C8
31	a	302	LMT	O5'-C5'-C6'-O6'
31	a	320	LMT	O5B-C5B-C6B-O6B
27	F	203	CLA	O1A-CGA-O2A-C1
27	f	603	CLA	O1A-CGA-O2A-C1
27	n	607	CLA	O1A-CGA-O2A-C1
27	A	838	CLA	CBD-CGD-O2D-CED
38	i	301	LMU	O5'-C1'-O1'-C1
27	m	604	CLA	C15-C16-C17-C18
27	l	306	CLA	C8-C10-C11-C12
27	g	305	CLA	C13-C15-C16-C17
27	f	602	CLA	O1D-CGD-O2D-CED
29	e	617	LHG	C7-C8-C9-C10
31	a	320	LMT	O1'-C1-C2-C3
29	m	617	LHG	O2-C2-C3-O3
29	e	617	LHG	O2-C2-C3-O3
29	f	619	LHG	O2-C2-C3-O3
27	B	820	CLA	C5-C6-C7-C8
27	b	607	CLA	C15-C16-C17-C18
27	e	610	CLA	C5-C6-C7-C8
27	e	611	CLA	C5-C6-C7-C8
27	f	602	CLA	C10-C11-C12-C13
27	j	609	CLA	C10-C11-C12-C13
27	n	607	CLA	C15-C16-C17-C18
28	A	843	PQN	C18-C20-C21-C22
27	B	821	CLA	CBA-CGA-O2A-C1
27	A	801	CLA	O1A-CGA-O2A-C1
27	A	837	CLA	O1A-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	e	607	CLA	O1A-CGA-O2A-C1
27	i	303	CLA	O1A-CGA-O2A-C1
29	g	321	LHG	O10-C23-O8-C6
29	e	617	LHG	C23-C24-C25-C26
33	B	842	DGD	C1B-C2B-C3B-C4B
27	a	313	CLA	O1D-CGD-O2D-CED
27	A	829	CLA	C8-C10-C11-C12
27	F	202	CLA	C15-C16-C17-C18
27	O	206	CLA	C10-C11-C12-C13
27	b	608	CLA	C13-C15-C16-C17
27	h	306	CLA	C10-C11-C12-C13
27	e	606	CLA	C13-C15-C16-C17
27	k	307	CLA	C8-C10-C11-C12
27	f	604	CLA	C8-C10-C11-C12
27	f	613	CLA	C8-C10-C11-C12
27	g	309	CLA	C10-C11-C12-C13
29	n	619	LHG	C8-C7-O7-C5
27	k	301	CLA	O1D-CGD-O2D-CED
27	A	829	CLA	C15-C16-C17-C18
27	A	835	CLA	C15-C16-C17-C18
27	B	805	CLA	C5-C6-C7-C8
27	c	612	CLA	C8-C10-C11-C12
27	b	610	CLA	C10-C11-C12-C13
27	f	610	CLA	C15-C16-C17-C18
27	d	303	CLA	C5-C6-C7-C8
27	d	303	CLA	C15-C16-C17-C18
29	A	850	LHG	C3-O3-P-O6
29	A	850	LHG	C4-O6-P-O3
29	c	618	LHG	C4-O6-P-O3
29	c	621	LHG	C4-O6-P-O3
29	a	301	LHG	C3-O3-P-O6
29	e	617	LHG	C4-O6-P-O3
29	k	319	LHG	C4-O6-P-O3
29	i	316	LHG	C3-O3-P-O6
29	j	617	LHG	C4-O6-P-O3
29	g	301	LHG	C3-O3-P-O6
29	g	321	LHG	C3-O3-P-O6
29	g	321	LHG	C4-O6-P-O3
29	n	619	LHG	C3-O3-P-O6
27	k	308	CLA	C3-C5-C6-C7
27	A	805	CLA	CBA-CGA-O2A-C1
27	c	602	CLA	CBA-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	s	209	CLA	O1D-CGD-O2D-CED
27	k	304	CLA	C2C-C3C-CAC-CBC
27	A	842	CLA	C8-C10-C11-C12
27	O	206	CLA	C5-C6-C7-C8
27	g	306	CLA	O1A-CGA-O2A-C1
27	a	310	CLA	O2A-C1-C2-C3
29	m	617	LHG	C1-C2-C3-O3
29	e	617	LHG	C1-C2-C3-O3
29	f	619	LHG	C1-C2-C3-O3
31	a	320	LMT	O5'-C5'-C6'-O6'
29	n	619	LHG	O9-C7-O7-C5
27	l	304	CLA	C4-C3-C5-C6
27	d	303	CLA	C4-C3-C5-C6
27	L	202	CLA	C2A-CAA-CBA-CGA
27	a	303	CLA	C2A-CAA-CBA-CGA
27	m	609	CLA	C2A-CAA-CBA-CGA
27	k	313	CLA	C2A-CAA-CBA-CGA
27	A	805	CLA	C3-C5-C6-C7
27	A	840	CLA	C3-C5-C6-C7
27	f	613	CLA	C3-C5-C6-C7
27	A	826	CLA	CBA-CGA-O2A-C1
27	A	840	CLA	CBA-CGA-O2A-C1
27	B	820	CLA	CBA-CGA-O2A-C1
27	B	824	CLA	CBA-CGA-O2A-C1
27	L	206	CLA	CBA-CGA-O2A-C1
27	l	306	CLA	CBA-CGA-O2A-C1
29	n	619	LHG	C24-C23-O8-C6
34	O	205	LMG	C29-C28-O8-C9
29	l	318	LHG	C11-C10-C9-C8
27	b	607	CLA	C4C-C3C-CAC-CBC
27	B	823	CLA	C13-C15-C16-C17
27	B	835	CLA	C5-C6-C7-C8
27	e	605	CLA	C5-C6-C7-C8
30	B	843	WVN	C32-C36-C39-C40
30	K	103	WVN	C32-C36-C39-C40
35	c	613	II0	C26-C30-C32-C34
35	h	310	II0	C36-C40-C42-C41
35	l	314	II0	C25-C29-C31-C33
35	k	315	II0	C26-C30-C32-C34
35	d	314	II0	C26-C30-C32-C34
35	n	618	II0	C25-C29-C31-C33
36	c	620	IHT	C23-C27-C30-C32

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
36	c	620	IHT	C35-C38-C41-C40
36	n	617	IHT	C23-C27-C30-C32
27	f	601	CLA	O1D-CGD-O2D-CED
27	b	605	CLA	CBD-CGD-O2D-CED
34	c	619	LMG	C11-C10-O7-C8
27	j	604	CLA	C3-C5-C6-C7
29	A	844	LHG	C11-C12-C13-C14
29	e	617	LHG	C28-C29-C30-C31
29	e	617	LHG	C30-C31-C32-C33
34	L	208	LMG	C18-C19-C20-C21
27	a	309	CLA	O1D-CGD-O2D-CED
27	m	603	CLA	O1D-CGD-O2D-CED
27	d	307	CLA	O1D-CGD-O2D-CED
37	c	610	KC2	C2A-CAA-CBA-CGA
37	e	609	KC2	C2A-CAA-CBA-CGA
27	a	306	CLA	C16-C17-C18-C19
28	B	841	PQN	C26-C27-C28-C29
29	a	301	LHG	C9-C10-C11-C12
29	b	617	LHG	C11-C10-C9-C8
29	m	617	LHG	C29-C30-C31-C32
29	f	619	LHG	C26-C27-C28-C29
31	A	851	LMT	C7-C8-C9-C10
34	b	619	LMG	C21-C22-C23-C24
29	b	618	LHG	O9-C7-O7-C5
34	c	619	LMG	O9-C10-O7-C8
37	k	311	KC2	CAA-CBA-CGA-O1A
27	b	608	CLA	C15-C16-C17-C18
29	A	850	LHG	C11-C10-C9-C8
29	e	617	LHG	C9-C10-C11-C12
29	f	619	LHG	C10-C11-C12-C13
34	J	106	LMG	C13-C14-C15-C16
27	h	306	CLA	O1A-CGA-O2A-C1
34	b	619	LMG	C4-C5-C6-O5
27	A	817	CLA	O1D-CGD-O2D-CED
27	A	841	CLA	C10-C11-C12-C13
27	B	812	CLA	C5-C6-C7-C8
27	e	611	CLA	C13-C15-C16-C17
34	b	619	LMG	C12-C13-C14-C15
27	b	611	CLA	C3-C5-C6-C7
29	b	617	LHG	C23-C24-C25-C26
27	m	603	CLA	C5-C6-C7-C8
27	g	322	CLA	C8-C10-C11-C12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	B	832	CLA	C16-C17-C18-C19
27	s	203	CLA	C16-C17-C18-C19
27	b	611	CLA	C16-C17-C18-C19
27	d	303	CLA	C16-C17-C18-C19
27	n	610	CLA	C16-C17-C18-C19
27	h	301	CLA	O1D-CGD-O2D-CED
27	B	801	CLA	C4-C3-C5-C6
27	b	611	CLA	C4-C3-C5-C6
29	J	107	LHG	C12-C13-C14-C15
27	b	611	CLA	C2-C3-C5-C6
27	A	808	CLA	C6-C7-C8-C9
27	A	810	CLA	C11-C10-C8-C9
27	A	836	CLA	C11-C12-C13-C14
27	A	853	CLA	C11-C10-C8-C9
27	B	801	CLA	C11-C10-C8-C9
27	B	804	CLA	C11-C12-C13-C14
27	B	810	CLA	C11-C10-C8-C9
27	a	309	CLA	C11-C10-C8-C9
27	b	611	CLA	C6-C7-C8-C9
27	e	610	CLA	C11-C10-C8-C9
27	k	308	CLA	C11-C12-C13-C14
27	f	607	CLA	C14-C13-C15-C16
27	n	604	CLA	C11-C10-C8-C9
27	n	605	CLA	O1D-CGD-O2D-CED
27	j	609	CLA	C4C-C3C-CAC-CBC
29	L	207	LHG	C14-C15-C16-C17
29	c	621	LHG	C28-C29-C30-C31
34	L	208	LMG	C19-C20-C21-C22
27	a	311	CLA	C15-C16-C17-C18
27	e	606	CLA	C5-C6-C7-C8
27	A	808	CLA	C2A-CAA-CBA-CGA
27	A	828	CLA	C2A-CAA-CBA-CGA
27	B	813	CLA	C2A-CAA-CBA-CGA
27	B	814	CLA	C2A-CAA-CBA-CGA
27	B	824	CLA	C2A-CAA-CBA-CGA
27	b	611	CLA	C2A-CAA-CBA-CGA
27	k	309	CLA	C2A-CAA-CBA-CGA
27	f	610	CLA	C2A-CAA-CBA-CGA
27	n	608	CLA	C2A-CAA-CBA-CGA
27	A	832	CLA	O1D-CGD-O2D-CED
27	A	826	CLA	O1A-CGA-O2A-C1
27	A	832	CLA	O1A-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	f	612	CLA	O1A-CGA-O2A-C1
27	j	609	CLA	O1A-CGA-O2A-C1
34	O	205	LMG	O10-C28-O8-C9
30	B	843	WVN	C20-C23-C25-C27
30	I	101	WVN	C29-C31-C32-C35
30	L	201	WVN	C20-C23-C25-C27
30	h	309	WVN	C11-C19-C22-C24
35	O	203	II0	C31-C33-C35-C37
35	a	318	II0	C32-C34-C36-C38
35	h	310	II0	C32-C34-C36-C38
35	h	312	II0	C31-C33-C35-C37
35	m	615	II0	C32-C34-C36-C38
35	i	318	II0	C32-C34-C36-C38
35	d	314	II0	C31-C33-C35-C37
36	O	204	IHT	C31-C34-C35-C39
36	c	616	IHT	C31-C34-C35-C39
36	c	620	IHT	C18-C22-C23-C25
27	A	832	CLA	C4C-C3C-CAC-CBC
27	g	322	CLA	C2C-C3C-CAC-CBC
29	J	107	LHG	O1-C1-C2-C3
29	b	617	LHG	O1-C1-C2-C3
29	m	617	LHG	O1-C1-C2-C3
29	e	617	LHG	O1-C1-C2-C3
29	l	318	LHG	O1-C1-C2-C3
29	f	619	LHG	O1-C1-C2-C3
29	g	301	LHG	O1-C1-C2-C3
30	A	846	WVN	C20-C23-C25-C28
30	B	843	WVN	C20-C23-C25-C28
30	F	205	WVN	C11-C19-C22-C26
30	I	101	WVN	C29-C31-C32-C36
30	J	101	WVN	C11-C19-C22-C26
30	L	201	WVN	C20-C23-C25-C28
35	h	310	II0	C32-C34-C36-C40
35	h	312	II0	C31-C33-C35-C39
35	k	318	II0	C32-C34-C36-C40
35	i	318	II0	C32-C34-C36-C40
36	c	616	IHT	C31-C34-C35-C38
36	c	620	IHT	C30-C32-C33-C37
27	a	306	CLA	C15-C16-C17-C18
29	b	618	LHG	C8-C7-O7-C5
34	L	208	LMG	C11-C10-O7-C8
29	f	619	LHG	C17-C18-C19-C20

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
34	L	208	LMG	C32-C33-C34-C35
34	b	619	LMG	C33-C34-C35-C36
38	i	301	LMU	C4-C5-C6-C7
27	c	601	CLA	O1D-CGD-O2D-CED
34	F	206	LMG	C11-C12-C13-C14
34	b	619	LMG	C22-C23-C24-C25
27	F	201	CLA	O1A-CGA-O2A-C1
27	A	841	CLA	C16-C17-C18-C20
27	B	832	CLA	C16-C17-C18-C20
27	s	203	CLA	C16-C17-C18-C20
27	h	306	CLA	C16-C17-C18-C20
27	n	610	CLA	C16-C17-C18-C20
28	B	841	PQN	C26-C27-C28-C30
27	A	809	CLA	C5-C6-C7-C8
27	B	805	CLA	C15-C16-C17-C18
27	m	606	CLA	C13-C15-C16-C17
27	m	607	CLA	C13-C15-C16-C17
27	k	308	CLA	C8-C10-C11-C12
27	A	818	CLA	O1D-CGD-O2D-CED
31	b	616	LMT	C4-C5-C6-C7
27	a	311	CLA	CBD-CGD-O2D-CED
27	e	608	CLA	CBD-CGD-O2D-CED
37	d	310	KC2	CBD-CGD-O2D-CED
27	B	849	CLA	O1D-CGD-O2D-CED
27	B	839	CLA	C2C-C3C-CAC-CBC
29	c	621	LHG	C7-C8-C9-C10
34	b	619	LMG	C28-C29-C30-C31
27	A	841	CLA	C5-C6-C7-C8
27	b	607	CLA	C5-C6-C7-C8
27	g	322	CLA	C10-C11-C12-C13
27	B	821	CLA	O1A-CGA-O2A-C1
29	e	617	LHG	C27-C28-C29-C30
31	b	616	LMT	C3-C4-C5-C6
34	L	208	LMG	C34-C35-C36-C37
27	g	322	CLA	O1D-CGD-O2D-CED
27	A	828	CLA	CBA-CGA-O2A-C1
27	A	852	CLA	CBA-CGA-O2A-C1
27	B	838	CLA	CBA-CGA-O2A-C1
27	O	202	CLA	CBA-CGA-O2A-C1
27	k	313	CLA	CBA-CGA-O2A-C1
27	B	807	CLA	O1D-CGD-O2D-CED
27	B	829	CLA	O1D-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	k	303	CLA	O1D-CGD-O2D-CED
27	A	802	CLA	C3A-C2A-CAA-CBA
27	A	810	CLA	C3A-C2A-CAA-CBA
27	A	812	CLA	C3A-C2A-CAA-CBA
27	A	813	CLA	C3A-C2A-CAA-CBA
27	A	816	CLA	C3A-C2A-CAA-CBA
27	A	830	CLA	C3A-C2A-CAA-CBA
27	A	831	CLA	C3A-C2A-CAA-CBA
27	A	834	CLA	C3A-C2A-CAA-CBA
27	A	838	CLA	C3A-C2A-CAA-CBA
27	A	842	CLA	C3A-C2A-CAA-CBA
27	B	813	CLA	C3A-C2A-CAA-CBA
27	B	824	CLA	C3A-C2A-CAA-CBA
27	B	830	CLA	C3A-C2A-CAA-CBA
27	J	105	CLA	C3A-C2A-CAA-CBA
27	O	202	CLA	C3A-C2A-CAA-CBA
27	s	202	CLA	C3A-C2A-CAA-CBA
27	s	203	CLA	C3A-C2A-CAA-CBA
27	c	601	CLA	C3A-C2A-CAA-CBA
27	a	307	CLA	C3A-C2A-CAA-CBA
27	a	308	CLA	C3A-C2A-CAA-CBA
27	h	305	CLA	C3A-C2A-CAA-CBA
27	h	307	CLA	C3A-C2A-CAA-CBA
27	e	607	CLA	C3A-C2A-CAA-CBA
27	e	608	CLA	C3A-C2A-CAA-CBA
27	k	305	CLA	C3A-C2A-CAA-CBA
27	k	306	CLA	C3A-C2A-CAA-CBA
27	f	605	CLA	C3A-C2A-CAA-CBA
27	i	309	CLA	C3A-C2A-CAA-CBA
27	j	604	CLA	C3A-C2A-CAA-CBA
27	j	606	CLA	C3A-C2A-CAA-CBA
27	g	306	CLA	C3A-C2A-CAA-CBA
27	g	315	CLA	C3A-C2A-CAA-CBA
27	n	601	CLA	C3A-C2A-CAA-CBA
27	a	308	CLA	C5-C6-C7-C8
30	B	843	WVN	C34-C37-C40-C39
36	a	317	IHT	C23-C27-C30-C32
29	f	619	LHG	C11-C10-C9-C8
27	A	837	CLA	O1D-CGD-O2D-CED
27	A	805	CLA	O1A-CGA-O2A-C1
27	B	822	CLA	C16-C17-C18-C19
27	d	303	CLA	C16-C17-C18-C20

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
31	A	851	LMT	C3-C4-C5-C6
29	b	618	LHG	C4-C5-C6-O8
34	L	208	LMG	O9-C10-O7-C8
29	f	619	LHG	C31-C32-C33-C34
27	B	801	CLA	C3-C5-C6-C7
29	g	301	LHG	C7-C8-C9-C10
27	a	312	CLA	C5-C6-C7-C8
27	B	818	CLA	C4-C3-C5-C6
27	F	201	CLA	C4-C3-C5-C6
27	e	606	CLA	C4-C3-C5-C6
27	A	828	CLA	C2-C3-C5-C6
27	B	818	CLA	C2-C3-C5-C6
27	e	606	CLA	C2-C3-C5-C6
27	l	306	CLA	C2-C3-C5-C6
27	d	303	CLA	C2-C3-C5-C6
29	c	621	LHG	C8-C7-O7-C5
29	m	617	LHG	C8-C7-O7-C5
37	g	312	KC2	CAA-CBA-CGA-O2A
29	k	319	LHG	C25-C26-C27-C28
29	A	845	LHG	O1-C1-C2-O2
29	c	621	LHG	O1-C1-C2-O2
29	l	318	LHG	O1-C1-C2-O2
27	A	818	CLA	C13-C15-C16-C17
29	b	617	LHG	C32-C33-C34-C35
27	B	820	CLA	O1A-CGA-O2A-C1
27	A	835	CLA	C16-C17-C18-C19
27	h	307	CLA	C5-C6-C7-C8
34	c	619	LMG	C35-C36-C37-C38
31	A	851	LMT	C1-C2-C3-C4
27	B	824	CLA	O1A-CGA-O2A-C1
27	L	206	CLA	O1A-CGA-O2A-C1
27	O	202	CLA	O1A-CGA-O2A-C1
27	c	602	CLA	O1A-CGA-O2A-C1
27	k	313	CLA	O1A-CGA-O2A-C1
31	a	320	LMT	C6-C7-C8-C9
29	m	617	LHG	O9-C7-O7-C5
27	B	829	CLA	C2-C1-O2A-CGA
27	e	607	CLA	C2-C1-O2A-CGA
27	A	829	CLA	C5-C6-C7-C8
27	b	604	CLA	C5-C6-C7-C8
27	B	838	CLA	O1A-CGA-O2A-C1
38	i	301	LMU	C1-C2-C3-C4

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	e	617	LHG	C11-C12-C13-C14
27	B	836	CLA	C16-C17-C18-C20
27	b	611	CLA	C16-C17-C18-C20
29	a	319	LHG	C23-C24-C25-C26
27	L	203	CLA	C3-C5-C6-C7
30	A	846	WVN	C06-C13-C20-C23
30	A	846	WVN	C15-C13-C20-C23
30	A	849	WVN	C15-C13-C20-C23
30	B	843	WVN	C15-C13-C20-C23
30	B	845	WVN	C15-C13-C20-C23
30	B	846	WVN	C06-C13-C20-C23
30	B	847	WVN	C15-C13-C20-C23
30	J	101	WVN	C06-C13-C20-C23
30	J	102	WVN	C15-C13-C20-C23
30	L	201	WVN	C15-C13-C20-C23
30	L	205	WVN	C15-C13-C20-C23
30	M	101	WVN	C06-C13-C20-C23
30	M	101	WVN	C15-C13-C20-C23
30	K	103	WVN	C06-C13-C20-C23
30	s	205	WVN	C15-C13-C20-C23
30	s	207	WVN	C06-C13-C20-C23
30	s	207	WVN	C15-C13-C20-C23
30	e	615	WVN	C06-C13-C20-C23
36	c	616	IHT	C02-C07-C18-C22
36	c	620	IHT	C10-C07-C18-C22
36	b	614	IHT	C02-C07-C18-C22
36	n	617	IHT	C02-C07-C18-C22
34	s	210	LMG	C17-C18-C19-C20
27	e	611	CLA	O1D-CGD-O2D-CED
27	B	804	CLA	CBA-CGA-O2A-C1
27	n	608	CLA	CBA-CGA-O2A-C1
27	f	607	CLA	C10-C11-C12-C13
29	c	621	LHG	C31-C32-C33-C34
27	A	828	CLA	O1A-CGA-O2A-C1
27	A	852	CLA	O1A-CGA-O2A-C1
27	B	804	CLA	O1A-CGA-O2A-C1
27	b	606	CLA	C14-C13-C15-C16
29	l	318	LHG	C10-C11-C12-C13
27	c	608	CLA	C13-C15-C16-C17
27	l	307	CLA	C5-C6-C7-C8
37	d	309	KC2	CAA-CBA-CGA-O2A
34	F	206	LMG	O6-C5-C6-O5

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	J	107	LHG	C29-C30-C31-C32
34	J	106	LMG	C20-C21-C22-C23
27	l	306	CLA	C4-C3-C5-C6
27	b	604	CLA	O1D-CGD-O2D-CED
27	A	808	CLA	C6-C7-C8-C10
27	A	812	CLA	C2-C3-C5-C6
27	A	816	CLA	C11-C12-C13-C15
27	A	818	CLA	C11-C12-C13-C15
27	A	839	CLA	C11-C10-C8-C7
27	A	852	CLA	C11-C10-C8-C7
27	A	853	CLA	C11-C10-C8-C7
27	B	801	CLA	C2-C3-C5-C6
27	B	801	CLA	C11-C10-C8-C7
27	B	805	CLA	C6-C7-C8-C10
27	B	807	CLA	C11-C12-C13-C15
27	B	821	CLA	C11-C10-C8-C7
27	B	823	CLA	C12-C13-C15-C16
27	B	836	CLA	C11-C12-C13-C15
27	F	201	CLA	C2-C3-C5-C6
27	F	201	CLA	C6-C7-C8-C10
27	c	604	CLA	C11-C10-C8-C7
27	c	608	CLA	C11-C10-C8-C7
27	a	312	CLA	C11-C12-C13-C15
27	b	610	CLA	C12-C13-C15-C16
27	e	610	CLA	C11-C10-C8-C7
27	e	610	CLA	C11-C12-C13-C15
27	l	310	CLA	C11-C10-C8-C7
27	k	307	CLA	C11-C12-C13-C15
27	f	607	CLA	C12-C13-C15-C16
27	f	609	CLA	C11-C10-C8-C7
27	i	305	CLA	C11-C10-C8-C7
27	d	303	CLA	C12-C13-C15-C16
27	g	309	CLA	C6-C7-C8-C10
28	A	843	PQN	C16-C17-C18-C20
28	B	841	PQN	C16-C17-C18-C20
27	B	807	CLA	C3-C5-C6-C7
27	e	602	CLA	O1A-CGA-O2A-C1
29	n	619	LHG	O10-C23-O8-C6
27	l	307	CLA	C2C-C3C-CAC-CBC
27	F	201	CLA	C10-C11-C12-C13
27	b	605	CLA	C10-C11-C12-C13
30	B	847	WVN	C32-C36-C39-C40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
35	a	316	II0	C25-C29-C31-C33
35	h	312	II0	C26-C30-C32-C34
35	d	312	II0	C36-C40-C42-C41
35	d	314	II0	C36-C40-C42-C41
35	n	616	II0	C36-C40-C42-C41
36	j	616	IHT	C23-C27-C30-C32
27	A	805	CLA	O1D-CGD-O2D-CED
27	h	313	CLA	O1D-CGD-O2D-CED
27	A	809	CLA	CBA-CGA-O2A-C1
27	m	611	CLA	CBA-CGA-O2A-C1
27	e	602	CLA	CBA-CGA-O2A-C1
27	i	302	CLA	CBA-CGA-O2A-C1
29	A	850	LHG	C9-C10-C11-C12
29	f	619	LHG	C19-C20-C21-C22
29	f	619	LHG	C35-C36-C37-C38
27	A	815	CLA	C2A-CAA-CBA-CGA
27	A	838	CLA	C2A-CAA-CBA-CGA
27	B	836	CLA	C2A-CAA-CBA-CGA
27	e	602	CLA	C2A-CAA-CBA-CGA
27	i	305	CLA	C2A-CAA-CBA-CGA
27	s	203	CLA	C5-C6-C7-C8
27	e	608	CLA	O1D-CGD-O2D-CED
29	l	318	LHG	C7-C8-C9-C10
27	a	308	CLA	C8-C10-C11-C12
27	m	609	CLA	C5-C6-C7-C8
27	f	610	CLA	C8-C10-C11-C12
37	s	204	KC2	C2C-C3C-CAC-CBC
31	a	320	LMT	C1-C2-C3-C4
27	B	805	CLA	C16-C17-C18-C19
27	B	809	CLA	C6-C7-C8-C10
27	B	836	CLA	C16-C17-C18-C19
27	B	835	CLA	C8-C10-C11-C12
27	a	312	CLA	C15-C16-C17-C18
27	b	605	CLA	C15-C16-C17-C18
29	i	316	LHG	C27-C28-C29-C30
29	L	207	LHG	C8-C7-O7-C5
37	e	609	KC2	C4C-C3C-CAC-CBC
37	l	311	KC2	C4C-C3C-CAC-CBC
37	i	310	KC2	C4B-C3B-CAB-CBB
37	d	309	KC2	C4C-C3C-CAC-CBC
37	g	314	KC2	C4C-C3C-CAC-CBC
27	B	803	CLA	C10-C11-C12-C13

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	d	303	CLA	C8-C10-C11-C12
29	J	107	LHG	C9-C10-C11-C12
29	L	207	LHG	O9-C7-O7-C5
29	c	621	LHG	O9-C7-O7-C5
27	B	835	CLA	C15-C16-C17-C18
29	c	621	LHG	O7-C5-C6-O8
29	m	617	LHG	O7-C5-C6-O8
34	F	206	LMG	O7-C8-C9-O8
29	A	850	LHG	C16-C17-C18-C19
29	c	621	LHG	C26-C27-C28-C29
34	O	205	LMG	O6-C5-C6-O5
27	A	818	CLA	C4-C3-C5-C6
27	A	828	CLA	C4-C3-C5-C6
35	a	314	II0	C09-C21-C23-C25
35	a	314	II0	C10-C22-C24-C26
35	b	613	II0	C10-C22-C24-C26
35	h	311	II0	C09-C21-C23-C25
35	m	613	II0	C10-C22-C24-C26
35	m	614	II0	C10-C22-C24-C26
35	l	315	II0	C09-C21-C23-C25
35	i	313	II0	C10-C22-C24-C26
36	O	204	IHT	C11-C21-C24-C26
36	k	317	IHT	C11-C21-C24-C26
27	A	812	CLA	C6-C7-C8-C9
27	A	818	CLA	C11-C12-C13-C14
27	A	818	CLA	C14-C13-C15-C16
27	A	825	CLA	C6-C7-C8-C9
27	A	837	CLA	C6-C7-C8-C9
27	B	807	CLA	C11-C12-C13-C14
27	B	812	CLA	C6-C7-C8-C9
27	B	816	CLA	C11-C12-C13-C14
27	B	823	CLA	C14-C13-C15-C16
27	a	308	CLA	C11-C12-C13-C14
27	a	312	CLA	C6-C7-C8-C9
27	e	610	CLA	C6-C7-C8-C9
27	l	304	CLA	C6-C7-C8-C9
27	k	303	CLA	C11-C12-C13-C14
27	k	307	CLA	C11-C12-C13-C14
27	i	305	CLA	C11-C10-C8-C9
27	g	309	CLA	C6-C7-C8-C9
27	n	607	CLA	C11-C12-C13-C14
28	A	843	PQN	C21-C22-C23-C24

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
31	b	616	LMT	C2-C3-C4-C5
27	c	612	CLA	C2A-CAA-CBA-CGA
27	e	607	CLA	C2A-CAA-CBA-CGA
27	l	309	CLA	C2A-CAA-CBA-CGA
27	f	613	CLA	C2A-CAA-CBA-CGA
27	n	609	CLA	C2A-CAA-CBA-CGA
34	c	619	LMG	C38-C39-C40-C41
30	A	846	WVN	C20-C23-C25-C27
30	A	848	WVN	C20-C23-C25-C27
30	J	101	WVN	C20-C23-C25-C27
30	s	205	WVN	C20-C23-C25-C27
30	s	207	WVN	C20-C23-C25-C27
30	i	315	WVN	C11-C19-C22-C24
35	e	613	II0	C31-C33-C35-C37
29	b	617	LHG	C13-C14-C15-C16
29	g	301	LHG	C24-C25-C26-C27
30	A	848	WVN	C20-C23-C25-C28
30	B	848	WVN	C20-C23-C25-C28
30	J	101	WVN	C20-C23-C25-C28
30	s	207	WVN	C20-C23-C25-C28
30	i	315	WVN	C11-C19-C22-C26
35	a	318	II0	C32-C34-C36-C40
35	f	618	II0	C31-C33-C35-C39
35	d	314	II0	C31-C33-C35-C39
27	A	840	CLA	O1A-CGA-O2A-C1
27	m	611	CLA	O1A-CGA-O2A-C1
27	l	306	CLA	O1A-CGA-O2A-C1
27	n	608	CLA	O1A-CGA-O2A-C1
27	A	804	CLA	C1A-C2A-CAA-CBA
27	A	808	CLA	C1A-C2A-CAA-CBA
27	A	809	CLA	C1A-C2A-CAA-CBA
27	A	814	CLA	C1A-C2A-CAA-CBA
27	A	822	CLA	C1A-C2A-CAA-CBA
27	A	831	CLA	C1A-C2A-CAA-CBA
27	A	833	CLA	C1A-C2A-CAA-CBA
27	A	834	CLA	C1A-C2A-CAA-CBA
27	A	837	CLA	C1A-C2A-CAA-CBA
27	A	841	CLA	C1A-C2A-CAA-CBA
27	A	842	CLA	C1A-C2A-CAA-CBA
27	A	855	CLA	C1A-C2A-CAA-CBA
27	B	803	CLA	C1A-C2A-CAA-CBA
27	B	811	CLA	C1A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	B	815	CLA	C1A-C2A-CAA-CBA
27	B	826	CLA	C1A-C2A-CAA-CBA
27	B	840	CLA	C1A-C2A-CAA-CBA
27	F	201	CLA	C1A-C2A-CAA-CBA
27	J	105	CLA	C1A-C2A-CAA-CBA
27	L	203	CLA	C1A-C2A-CAA-CBA
27	L	206	CLA	C1A-C2A-CAA-CBA
27	s	202	CLA	C1A-C2A-CAA-CBA
27	c	602	CLA	C1A-C2A-CAA-CBA
27	c	608	CLA	C1A-C2A-CAA-CBA
27	a	307	CLA	C1A-C2A-CAA-CBA
27	a	308	CLA	C1A-C2A-CAA-CBA
27	a	310	CLA	C1A-C2A-CAA-CBA
27	a	312	CLA	C1A-C2A-CAA-CBA
27	b	602	CLA	C1A-C2A-CAA-CBA
27	b	610	CLA	C1A-C2A-CAA-CBA
27	h	304	CLA	C1A-C2A-CAA-CBA
27	h	307	CLA	C1A-C2A-CAA-CBA
27	h	308	CLA	C1A-C2A-CAA-CBA
27	m	608	CLA	C1A-C2A-CAA-CBA
27	e	610	CLA	C1A-C2A-CAA-CBA
27	l	304	CLA	C1A-C2A-CAA-CBA
27	l	309	CLA	C1A-C2A-CAA-CBA
27	l	312	CLA	C1A-C2A-CAA-CBA
27	f	605	CLA	C1A-C2A-CAA-CBA
27	i	303	CLA	C1A-C2A-CAA-CBA
27	i	311	CLA	C1A-C2A-CAA-CBA
27	j	601	CLA	C1A-C2A-CAA-CBA
27	j	602	CLA	C1A-C2A-CAA-CBA
27	j	606	CLA	C1A-C2A-CAA-CBA
27	g	303	CLA	C1A-C2A-CAA-CBA
27	g	315	CLA	C1A-C2A-CAA-CBA
27	n	605	CLA	C1A-C2A-CAA-CBA
27	n	608	CLA	C1A-C2A-CAA-CBA
27	B	805	CLA	C16-C17-C18-C20
27	B	809	CLA	C6-C7-C8-C9
27	B	835	CLA	C16-C17-C18-C20
27	e	606	CLA	C16-C17-C18-C19
27	n	604	CLA	C11-C12-C13-C15
30	A	849	WVN	C34-C37-C40-C39
30	B	847	WVN	C22-C26-C29-C31
30	I	101	WVN	C32-C36-C39-C40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
30	I	101	WVN	C34-C37-C40-C39
30	l	301	WVN	C22-C26-C29-C31
35	e	616	II0	C35-C39-C41-C42
35	l	317	II0	C35-C39-C41-C42
35	f	618	II0	C35-C39-C41-C42
35	i	314	II0	C25-C29-C31-C33
36	k	317	IHT	C35-C38-C41-C40
36	j	616	IHT	C33-C37-C40-C41
27	A	806	CLA	C8-C10-C11-C12
27	A	841	CLA	C8-C10-C11-C12
27	B	834	CLA	C10-C11-C12-C13
27	b	603	CLA	C10-C11-C12-C13
27	j	609	CLA	C5-C6-C7-C8
27	n	609	CLA	C13-C15-C16-C17
29	m	617	LHG	C4-O6-P-O3
29	f	619	LHG	C4-O6-P-O3
29	d	315	LHG	C3-O3-P-O6
29	d	315	LHG	C4-O6-P-O3
29	J	107	LHG	C33-C34-C35-C36
27	b	611	CLA	C10-C11-C12-C13
27	l	312	CLA	C8-C10-C11-C12
29	g	301	LHG	O6-C4-C5-C6
27	B	812	CLA	O1D-CGD-O2D-CED
27	a	307	CLA	O1D-CGD-O2D-CED
29	c	621	LHG	C23-C24-C25-C26
29	f	619	LHG	C7-C8-C9-C10
27	d	303	CLA	C10-C11-C12-C13
29	c	618	LHG	C5-C6-O8-C23
27	A	812	CLA	C16-C17-C18-C20
27	a	306	CLA	C16-C17-C18-C20
27	n	604	CLA	C11-C12-C13-C14
37	s	204	KC2	CAA-CBA-CGA-O1A
29	m	617	LHG	C26-C27-C28-C29
29	l	318	LHG	C9-C10-C11-C12
29	J	107	LHG	C24-C23-O8-C6
27	J	103	CLA	C3A-C2A-CAA-CBA
29	g	301	LHG	C8-C7-O7-C5
27	i	302	CLA	O1A-CGA-O2A-C1
34	b	619	LMG	C14-C15-C16-C17
27	B	821	CLA	C5-C6-C7-C8
27	m	604	CLA	C10-C11-C12-C13
27	l	306	CLA	C2A-CAA-CBA-CGA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	839	CLA	C16-C17-C18-C20
27	B	829	CLA	C16-C17-C18-C19
27	B	838	CLA	C16-C17-C18-C20
27	f	604	CLA	C16-C17-C18-C19
27	A	838	CLA	O1D-CGD-O2D-CED
27	c	612	CLA	C3-C5-C6-C7
29	g	321	LHG	C4-C5-C6-O8
34	s	210	LMG	C7-C8-C9-O8
29	e	617	LHG	C31-C32-C33-C34
27	A	812	CLA	O1A-CGA-O2A-C1
27	A	808	CLA	O1D-CGD-O2D-CED
27	m	611	CLA	O1D-CGD-O2D-CED
27	A	806	CLA	C15-C16-C17-C18
27	A	818	CLA	C8-C10-C11-C12
34	J	106	LMG	C18-C19-C20-C21
34	L	208	LMG	C36-C37-C38-C39
27	B	837	CLA	CAA-CBA-CGA-O2A
27	i	302	CLA	CAA-CBA-CGA-O2A
27	B	817	CLA	CBA-CGA-O2A-C1
29	A	850	LHG	C10-C11-C12-C13
29	g	301	LHG	C30-C31-C32-C33
34	F	206	LMG	C15-C16-C17-C18
31	A	851	LMT	C4B-C5B-C6B-O6B
29	f	619	LHG	C27-C28-C29-C30
27	i	307	CLA	C5-C6-C7-C8
27	j	609	CLA	C8-C10-C11-C12
37	d	310	KC2	C2A-CAA-CBA-CGA
27	A	841	CLA	C16-C17-C18-C19
27	K	101	CLA	CBA-CGA-O2A-C1
27	h	301	CLA	CBA-CGA-O2A-C1
29	c	621	LHG	C24-C23-O8-C6
31	a	320	LMT	C4-C5-C6-C7
27	m	609	CLA	CBD-CGD-O2D-CED
27	n	613	CLA	CAA-CBA-CGA-O2A
29	a	319	LHG	C19-C20-C21-C22
34	c	619	LMG	C29-C30-C31-C32
27	B	802	CLA	C2A-CAA-CBA-CGA
27	B	809	CLA	C2A-CAA-CBA-CGA
37	g	312	KC2	CAA-CBA-CGA-O1A
27	A	842	CLA	C10-C11-C12-C13
27	h	303	CLA	C2-C1-O2A-CGA
27	k	313	CLA	C2-C1-O2A-CGA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	602	CLA	O1D-CGD-O2D-CED
27	b	606	CLA	C5-C6-C7-C8
34	L	208	LMG	C22-C23-C24-C25
27	k	308	CLA	CBA-CGA-O2A-C1
29	J	107	LHG	O6-C4-C5-O7
27	B	803	CLA	CAA-CBA-CGA-O2A
27	R	203	CLA	CAA-CBA-CGA-O2A
27	L	203	CLA	C16-C17-C18-C20
27	f	604	CLA	C16-C17-C18-C20
34	s	210	LMG	C18-C19-C20-C21
27	A	809	CLA	O1A-CGA-O2A-C1
27	B	835	CLA	CBD-CGD-O2D-CED
27	k	304	CLA	C4C-C3C-CAC-CBC
29	g	301	LHG	C25-C26-C27-C28
34	F	206	LMG	C19-C20-C21-C22
27	A	801	CLA	CAA-CBA-CGA-O2A
29	k	319	LHG	O7-C5-C6-O8
27	B	816	CLA	O1D-CGD-O2D-CED
29	J	107	LHG	C15-C16-C17-C18
29	m	617	LHG	C27-C28-C29-C30
27	A	806	CLA	C6-C7-C8-C10
27	A	810	CLA	C11-C12-C13-C15
27	A	812	CLA	C11-C12-C13-C15
27	A	812	CLA	C12-C13-C15-C16
27	A	816	CLA	C11-C10-C8-C7
27	A	817	CLA	C11-C10-C8-C7
27	A	824	CLA	C11-C12-C13-C15
27	A	825	CLA	C11-C12-C13-C15
27	A	826	CLA	C6-C7-C8-C10
27	A	827	CLA	C12-C13-C15-C16
27	A	831	CLA	C12-C13-C15-C16
27	A	840	CLA	C6-C7-C8-C10
27	A	841	CLA	C12-C13-C15-C16
27	A	853	CLA	C12-C13-C15-C16
27	A	855	CLA	C6-C7-C8-C10
27	B	801	CLA	C11-C12-C13-C15
27	B	804	CLA	C12-C13-C15-C16
27	B	805	CLA	C11-C10-C8-C7
27	B	806	CLA	C12-C13-C15-C16
27	B	812	CLA	C6-C7-C8-C10
27	B	815	CLA	C11-C10-C8-C7
27	B	816	CLA	C11-C12-C13-C15

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	B	816	CLA	C12-C13-C15-C16
27	F	201	CLA	C12-C13-C15-C16
27	F	202	CLA	C11-C10-C8-C7
27	F	202	CLA	C11-C12-C13-C15
27	F	202	CLA	C12-C13-C15-C16
27	O	206	CLA	C11-C12-C13-C15
27	s	206	CLA	C12-C13-C15-C16
27	c	612	CLA	C11-C12-C13-C15
27	a	308	CLA	C12-C13-C15-C16
27	a	309	CLA	C6-C7-C8-C10
27	a	309	CLA	C11-C12-C13-C15
27	a	309	CLA	C12-C13-C15-C16
27	b	607	CLA	C11-C12-C13-C15
27	b	607	CLA	C12-C13-C15-C16
27	b	608	CLA	C12-C13-C15-C16
27	b	610	CLA	C11-C12-C13-C15
27	e	606	CLA	C11-C10-C8-C7
27	e	607	CLA	C11-C10-C8-C7
27	e	607	CLA	C11-C12-C13-C15
27	l	306	CLA	C11-C10-C8-C7
27	l	306	CLA	C12-C13-C15-C16
27	l	310	CLA	C11-C12-C13-C15
27	k	308	CLA	C11-C12-C13-C15
27	k	308	CLA	C12-C13-C15-C16
27	f	608	CLA	C11-C12-C13-C15
27	f	610	CLA	C6-C7-C8-C10
27	f	613	CLA	C6-C7-C8-C10
27	f	613	CLA	C12-C13-C15-C16
27	i	305	CLA	C6-C7-C8-C10
27	i	307	CLA	C6-C7-C8-C10
27	j	612	CLA	C12-C13-C15-C16
27	d	303	CLA	C6-C7-C8-C10
27	g	305	CLA	C11-C12-C13-C15
27	g	309	CLA	C11-C10-C8-C7
27	n	607	CLA	C12-C13-C15-C16
27	n	610	CLA	C6-C7-C8-C10
27	n	610	CLA	C11-C12-C13-C15
28	A	843	PQN	C21-C22-C23-C25
27	k	308	CLA	O1A-CGA-O2A-C1
27	A	806	CLA	C6-C7-C8-C9
27	A	810	CLA	C11-C12-C13-C14
27	A	816	CLA	C11-C12-C13-C14

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	824	CLA	C11-C10-C8-C9
27	A	824	CLA	C11-C12-C13-C14
27	A	825	CLA	C11-C10-C8-C9
27	A	831	CLA	C14-C13-C15-C16
27	A	840	CLA	C11-C12-C13-C14
27	A	841	CLA	C11-C12-C13-C14
27	A	855	CLA	C6-C7-C8-C9
27	B	802	CLA	C6-C7-C8-C9
27	B	803	CLA	C14-C13-C15-C16
27	B	811	CLA	C6-C7-C8-C9
27	B	816	CLA	C14-C13-C15-C16
27	B	832	CLA	C11-C12-C13-C14
27	F	201	CLA	C14-C13-C15-C16
27	L	203	CLA	C14-C13-C15-C16
27	s	202	CLA	C6-C7-C8-C9
27	s	203	CLA	C6-C7-C8-C9
27	s	206	CLA	C14-C13-C15-C16
27	c	604	CLA	C11-C10-C8-C9
27	c	612	CLA	C11-C12-C13-C14
27	a	306	CLA	C6-C7-C8-C9
27	a	309	CLA	C14-C13-C15-C16
27	b	604	CLA	C11-C12-C13-C14
27	b	610	CLA	C11-C12-C13-C14
27	b	610	CLA	C14-C13-C15-C16
27	h	306	CLA	C6-C7-C8-C9
27	h	306	CLA	C11-C12-C13-C14
27	h	307	CLA	C6-C7-C8-C9
27	m	603	CLA	C11-C10-C8-C9
27	e	606	CLA	C11-C12-C13-C14
27	e	607	CLA	C11-C12-C13-C14
27	e	611	CLA	C14-C13-C15-C16
27	l	310	CLA	C11-C10-C8-C9
27	f	602	CLA	C14-C13-C15-C16
27	f	610	CLA	C6-C7-C8-C9
27	f	613	CLA	C6-C7-C8-C9
27	f	613	CLA	C14-C13-C15-C16
27	i	305	CLA	C14-C13-C15-C16
27	d	303	CLA	C11-C12-C13-C14
27	d	303	CLA	C14-C13-C15-C16
27	g	305	CLA	C11-C10-C8-C9
28	B	841	PQN	C21-C22-C23-C24
28	B	841	PQN	C24-C23-C25-C26

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	F	201	CLA	CBD-CGD-O2D-CED
27	g	304	CLA	CBD-CGD-O2D-CED
27	B	837	CLA	C8-C10-C11-C12
27	A	806	CLA	CBA-CGA-O2A-C1
27	A	812	CLA	CBA-CGA-O2A-C1
27	a	313	CLA	CBA-CGA-O2A-C1
27	k	302	CLA	CBA-CGA-O2A-C1
27	n	603	CLA	CBA-CGA-O2A-C1
27	A	839	CLA	C2A-CAA-CBA-CGA
27	f	602	CLA	C2A-CAA-CBA-CGA
29	J	107	LHG	C25-C26-C27-C28
27	A	822	CLA	O1D-CGD-O2D-CED
30	A	849	WVN	C20-C23-C25-C27
30	R	202	WVN	C11-C19-C22-C24
30	R	202	WVN	C30-C33-C34-C38
35	k	314	II0	C32-C34-C36-C38
35	j	613	II0	C31-C33-C35-C37
29	c	621	LHG	C10-C11-C12-C13
30	A	849	WVN	C20-C23-C25-C28
30	B	846	WVN	C30-C33-C34-C37
30	R	201	WVN	C20-C23-C25-C28
29	L	207	LHG	C35-C36-C37-C38
29	a	319	LHG	C31-C32-C33-C34
29	g	301	LHG	O9-C7-O7-C5
27	B	821	CLA	C8-C10-C11-C12
29	b	617	LHG	C24-C25-C26-C27
27	d	305	CLA	CBA-CGA-O2A-C1
29	f	619	LHG	C24-C23-O8-C6
34	J	106	LMG	C41-C42-C43-C44
27	A	835	CLA	C13-C15-C16-C17
27	B	834	CLA	C8-C10-C11-C12
27	m	604	CLA	C2C-C3C-CAC-CBC
31	a	320	LMT	C4'-C5'-C6'-O6'
27	c	612	CLA	C10-C11-C12-C13
29	J	107	LHG	O6-C4-C5-C6
29	e	617	LHG	O6-C4-C5-C6
29	n	619	LHG	O6-C4-C5-C6
27	A	817	CLA	CBA-CGA-O2A-C1
27	B	830	CLA	O1D-CGD-O2D-CED
27	b	605	CLA	C4-C3-C5-C6
27	b	605	CLA	C2-C3-C5-C6
29	n	619	LHG	C12-C13-C14-C15

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
37	e	609	KC2	CAA-CBA-CGA-O1A
27	h	301	CLA	O1A-CGA-O2A-C1
27	b	608	CLA	C16-C17-C18-C19
27	m	604	CLA	C16-C17-C18-C20
27	b	602	CLA	CBA-CGA-O2A-C1
27	a	308	CLA	CAA-CBA-CGA-O2A
29	J	107	LHG	C16-C17-C18-C19
34	c	619	LMG	C31-C32-C33-C34
27	e	605	CLA	O1D-CGD-O2D-CED
27	A	809	CLA	C3A-C2A-CAA-CBA
27	B	817	CLA	C3A-C2A-CAA-CBA
27	m	609	CLA	C3A-C2A-CAA-CBA
27	f	613	CLA	C3A-C2A-CAA-CBA
27	A	842	CLA	C13-C15-C16-C17
35	c	614	II0	C25-C29-C31-C33
35	a	315	II0	C25-C29-C31-C33
35	b	612	II0	C26-C30-C32-C34
35	m	614	II0	C25-C29-C31-C33
35	e	612	II0	C25-C29-C31-C33
35	l	317	II0	C36-C40-C42-C41
27	e	605	CLA	CBD-CGD-O2D-CED
27	A	829	CLA	C10-C11-C12-C13
27	B	812	CLA	C11-C12-C13-C14
29	c	621	LHG	C9-C10-C11-C12
29	a	301	LHG	C27-C28-C29-C30
37	c	610	KC2	CAA-CBA-CGA-O2A
27	B	838	CLA	C16-C17-C18-C19
27	f	607	CLA	C16-C17-C18-C20
27	f	609	CLA	CBA-CGA-O2A-C1
29	d	315	LHG	C27-C28-C29-C30
27	O	206	CLA	C15-C16-C17-C18
27	k	307	CLA	C13-C15-C16-C17
29	c	618	LHG	C4-C5-C6-O8
29	a	319	LHG	C4-C5-C6-O8
29	m	617	LHG	C4-C5-C6-O8
29	e	617	LHG	C4-C5-C6-O8
29	f	619	LHG	C4-C5-C6-O8
34	F	206	LMG	C7-C8-C9-O8
34	O	205	LMG	C7-C8-C9-O8
31	a	320	LMT	C2-C3-C4-C5
27	n	604	CLA	O1A-CGA-O2A-C1
27	h	301	CLA	O2A-C1-C2-C3

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	K	101	CLA	O1A-CGA-O2A-C1
29	c	621	LHG	O10-C23-O8-C6
27	B	810	CLA	C16-C17-C18-C20
27	B	829	CLA	C16-C17-C18-C20
27	A	832	CLA	C2C-C3C-CAC-CBC
29	L	207	LHG	C32-C33-C34-C35
29	b	618	LHG	C4-O6-P-O3
29	m	617	LHG	C3-O3-P-O6
29	i	316	LHG	C4-O6-P-O3
29	J	107	LHG	O10-C23-O8-C6
29	a	319	LHG	C15-C16-C17-C18
27	A	827	CLA	O1D-CGD-O2D-CED
27	l	307	CLA	C2A-CAA-CBA-CGA
27	R	203	CLA	C2A-CAA-CBA-CGA
27	n	610	CLA	C2A-CAA-CBA-CGA
27	B	801	CLA	C5-C6-C7-C8
27	a	308	CLA	C10-C11-C12-C13
29	b	618	LHG	O6-C4-C5-O7
29	e	617	LHG	O6-C4-C5-O7
27	m	608	CLA	CBA-CGA-O2A-C1
27	j	612	CLA	CBA-CGA-O2A-C1
27	g	307	CLA	CBA-CGA-O2A-C1
34	c	619	LMG	C39-C40-C41-C42
37	k	312	KC2	C3A-C2A-CAA-CBA
27	A	839	CLA	C16-C17-C18-C19
27	B	822	CLA	C16-C17-C18-C20
27	b	608	CLA	C16-C17-C18-C20
27	h	306	CLA	C16-C17-C18-C19
27	m	606	CLA	C16-C17-C18-C19
27	b	610	CLA	C15-C16-C17-C18
27	j	609	CLA	CAA-CBA-CGA-O2A
27	g	306	CLA	CAA-CBA-CGA-O2A
27	g	307	CLA	CAA-CBA-CGA-O2A
29	b	617	LHG	C28-C29-C30-C31
27	d	305	CLA	O1A-CGA-O2A-C1
27	n	603	CLA	O1A-CGA-O2A-C1
27	A	826	CLA	C3-C5-C6-C7
29	L	207	LHG	O7-C5-C6-O8
29	f	619	LHG	O7-C5-C6-O8
29	g	321	LHG	O7-C5-C6-O8
27	A	826	CLA	CBD-CGD-O2D-CED
27	m	606	CLA	CBA-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	n	613	CLA	CBA-CGA-O2A-C1
27	A	853	CLA	C8-C10-C11-C12
27	A	826	CLA	O1D-CGD-O2D-CED
27	B	801	CLA	CAA-CBA-CGA-O2A
29	f	619	LHG	C14-C15-C16-C17
34	b	619	LMG	C36-C37-C38-C39
30	B	846	WVN	C25-C28-C30-C33
27	A	806	CLA	C16-C17-C18-C20
29	a	319	LHG	C1-C2-C3-O3
29	a	319	LHG	C14-C15-C16-C17
27	i	307	CLA	C4-C3-C5-C6
27	A	832	CLA	C2-C1-O2A-CGA
27	B	803	CLA	C2-C1-O2A-CGA
27	b	609	CLA	C2-C1-O2A-CGA
27	j	603	CLA	C2-C1-O2A-CGA
27	A	802	CLA	C11-C12-C13-C14
27	A	816	CLA	C14-C13-C15-C16
27	A	829	CLA	C11-C10-C8-C9
27	B	801	CLA	C6-C7-C8-C9
27	B	804	CLA	C14-C13-C15-C16
27	B	832	CLA	C14-C13-C15-C16
27	B	835	CLA	C14-C13-C15-C16
27	B	838	CLA	C6-C7-C8-C9
27	s	202	CLA	C11-C12-C13-C14
27	s	203	CLA	C14-C13-C15-C16
27	a	309	CLA	C11-C12-C13-C14
27	b	611	CLA	C14-C13-C15-C16
27	m	607	CLA	C14-C13-C15-C16
27	e	607	CLA	C6-C7-C8-C9
27	l	306	CLA	C14-C13-C15-C16
27	f	610	CLA	C11-C10-C8-C9
27	i	307	CLA	C6-C7-C8-C9
27	j	612	CLA	C6-C7-C8-C9
27	j	612	CLA	C11-C12-C13-C14
27	n	607	CLA	C6-C7-C8-C9
27	n	610	CLA	C11-C12-C13-C14
27	g	311	CLA	C6-C7-C8-C9
29	f	619	LHG	C32-C33-C34-C35
29	n	619	LHG	C27-C28-C29-C30
27	f	606	CLA	C4-C3-C5-C6
27	f	612	CLA	C4-C3-C5-C6
27	j	611	CLA	C4-C3-C5-C6

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	A	850	LHG	C5-C4-O6-P
29	e	617	LHG	C2-C3-O3-P
27	B	839	CLA	O1A-CGA-O2A-C1
29	J	107	LHG	C14-C15-C16-C17
34	J	106	LMG	C42-C43-C44-C45
27	A	807	CLA	C2A-CAA-CBA-CGA
27	i	302	CLA	C2A-CAA-CBA-CGA
27	A	812	CLA	C16-C17-C18-C19
27	A	835	CLA	C16-C17-C18-C20
27	B	810	CLA	C16-C17-C18-C19
27	a	311	CLA	C16-C17-C18-C20
27	e	606	CLA	C16-C17-C18-C20
27	L	202	CLA	O2A-C1-C2-C3
27	h	307	CLA	C3-C5-C6-C7
30	B	845	WVN	C06-C13-C20-C23
36	O	204	IHT	C02-C07-C18-C22
36	k	317	IHT	C02-C07-C18-C22
36	k	317	IHT	C10-C07-C18-C22
36	f	617	IHT	C02-C07-C18-C22
27	B	820	CLA	C8-C10-C11-C12
27	g	305	CLA	C2C-C3C-CAC-CBC
34	L	208	LMG	C41-C42-C43-C44
30	l	301	WVN	C20-C23-C25-C27
30	R	201	WVN	C20-C23-C25-C27
35	h	311	II0	C31-C33-C35-C37
35	f	618	II0	C31-C33-C35-C37
27	K	102	CLA	C1A-C2A-CAA-CBA
30	A	846	WVN	C11-C19-C22-C26
30	B	848	WVN	C11-C19-C22-C26
30	O	201	WVN	C29-C31-C32-C36
30	e	615	WVN	C11-C19-C22-C26
30	R	201	WVN	C30-C33-C34-C37
35	a	314	II0	C32-C34-C36-C40
35	n	618	II0	C32-C34-C36-C40
36	g	319	IHT	C18-C22-C23-C27
27	e	604	CLA	C8-C10-C11-C12
29	k	319	LHG	C7-C8-C9-C10
29	L	207	LHG	C7-C8-C9-C10
34	b	619	LMG	C13-C14-C15-C16
29	a	301	LHG	C14-C15-C16-C17
27	a	311	CLA	O1D-CGD-O2D-CED
27	A	802	CLA	C11-C12-C13-C15

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	816	CLA	C12-C13-C15-C16
27	A	824	CLA	C11-C10-C8-C7
27	A	825	CLA	C11-C10-C8-C7
27	A	829	CLA	C11-C10-C8-C7
27	A	835	CLA	C6-C7-C8-C10
27	A	837	CLA	C6-C7-C8-C10
27	A	840	CLA	C11-C10-C8-C7
27	A	840	CLA	C12-C13-C15-C16
27	B	801	CLA	C6-C7-C8-C10
27	B	802	CLA	C6-C7-C8-C10
27	B	803	CLA	C11-C12-C13-C15
27	B	810	CLA	C12-C13-C15-C16
27	B	811	CLA	C6-C7-C8-C10
27	B	820	CLA	C6-C7-C8-C10
27	B	820	CLA	C11-C12-C13-C15
27	B	823	CLA	C6-C7-C8-C10
27	B	832	CLA	C12-C13-C15-C16
27	B	835	CLA	C11-C12-C13-C15
27	B	835	CLA	C12-C13-C15-C16
27	L	203	CLA	C11-C12-C13-C15
27	O	202	CLA	C11-C10-C8-C7
27	s	202	CLA	C6-C7-C8-C10
27	s	202	CLA	C11-C12-C13-C15
27	s	203	CLA	C6-C7-C8-C10
27	s	203	CLA	C12-C13-C15-C16
27	c	608	CLA	C12-C13-C15-C16
27	c	612	CLA	C11-C10-C8-C7
27	a	306	CLA	C6-C7-C8-C10
27	a	312	CLA	C12-C13-C15-C16
27	b	604	CLA	C6-C7-C8-C10
27	b	604	CLA	C11-C12-C13-C15
27	b	605	CLA	C6-C7-C8-C10
27	h	306	CLA	C11-C12-C13-C15
27	m	602	CLA	C6-C7-C8-C10
27	m	603	CLA	C11-C10-C8-C7
27	m	606	CLA	C11-C12-C13-C15
27	e	604	CLA	C6-C7-C8-C10
27	e	604	CLA	C11-C12-C13-C15
27	e	605	CLA	C11-C10-C8-C7
27	e	606	CLA	C6-C7-C8-C10
27	f	613	CLA	C11-C12-C13-C15
27	j	604	CLA	C11-C10-C8-C7

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	j	609	CLA	C6-C7-C8-C10
27	j	609	CLA	C11-C10-C8-C7
27	j	612	CLA	C6-C7-C8-C10
27	d	303	CLA	C11-C10-C8-C7
27	d	303	CLA	C11-C12-C13-C15
27	g	305	CLA	C11-C10-C8-C7
27	g	308	CLA	C11-C10-C8-C7
27	n	604	CLA	C6-C7-C8-C10
27	n	607	CLA	C11-C10-C8-C7
27	n	609	CLA	C12-C13-C15-C16
27	n	610	CLA	C12-C13-C15-C16
28	B	841	PQN	C21-C22-C23-C25
30	A	849	WVN	C32-C36-C39-C40
30	B	847	WVN	C34-C37-C40-C39
30	O	201	WVN	C32-C36-C39-C40
30	O	201	WVN	C34-C37-C40-C39
35	a	314	II0	C26-C30-C32-C34
35	b	613	II0	C25-C29-C31-C33
35	e	613	II0	C26-C30-C32-C34
35	l	315	II0	C26-C30-C32-C34
35	f	615	II0	C25-C29-C31-C33
35	j	614	II0	C35-C39-C41-C42
35	j	615	II0	C35-C39-C41-C42
35	n	614	II0	C36-C40-C42-C41
27	B	801	CLA	C16-C17-C18-C20
27	B	818	CLA	C6-C7-C8-C9
27	a	312	CLA	C16-C17-C18-C19
27	l	304	CLA	C16-C17-C18-C20
28	A	843	PQN	C26-C27-C28-C29
29	J	107	LHG	C11-C10-C9-C8
27	B	838	CLA	C13-C15-C16-C17
27	c	604	CLA	C5-C6-C7-C8
27	A	817	CLA	O1A-CGA-O2A-C1
27	e	610	CLA	C2A-CAA-CBA-CGA
27	j	609	CLA	C2C-C3C-CAC-CBC
29	l	318	LHG	C8-C7-O7-C5
27	A	806	CLA	O1A-CGA-O2A-C1
37	i	317	KC2	C2A-CAA-CBA-CGA
27	A	829	CLA	CBA-CGA-O2A-C1
27	B	819	CLA	CBA-CGA-O2A-C1
27	B	839	CLA	CBA-CGA-O2A-C1
27	s	209	CLA	CBA-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	609	CLA	CBA-CGA-O2A-C1
27	e	605	CLA	CBA-CGA-O2A-C1
29	J	107	LHG	C34-C35-C36-C37
27	A	806	CLA	CAD-CBD-CGD-O2D
27	A	810	CLA	CAD-CBD-CGD-O2D
27	A	824	CLA	CAD-CBD-CGD-O2D
27	A	831	CLA	CAD-CBD-CGD-O2D
27	B	803	CLA	CAD-CBD-CGD-O2D
27	B	808	CLA	CAD-CBD-CGD-O2D
27	B	812	CLA	CAD-CBD-CGD-O2D
27	B	817	CLA	CAD-CBD-CGD-O2D
27	B	821	CLA	CAD-CBD-CGD-O2D
27	B	826	CLA	CAD-CBD-CGD-O2D
27	B	834	CLA	CAD-CBD-CGD-O2D
27	F	203	CLA	CAD-CBD-CGD-O2D
27	L	202	CLA	CAD-CBD-CGD-O2D
27	s	208	CLA	CAD-CBD-CGD-O2D
27	b	610	CLA	CAD-CBD-CGD-O2D
27	e	603	CLA	CAD-CBD-CGD-O2D
27	l	308	CLA	CAD-CBD-CGD-O2D
27	l	309	CLA	CAD-CBD-CGD-O2D
27	k	301	CLA	CAD-CBD-CGD-O2D
27	k	307	CLA	CAD-CBD-CGD-O2D
27	k	313	CLA	CAD-CBD-CGD-O2D
27	f	608	CLA	CAD-CBD-CGD-O2D
27	f	609	CLA	CAD-CBD-CGD-O2D
27	i	307	CLA	CAD-CBD-CGD-O2D
27	i	309	CLA	CAD-CBD-CGD-O2D
27	g	304	CLA	CAD-CBD-CGD-O2D
27	g	310	CLA	CAD-CBD-CGD-O2D
27	g	315	CLA	CAD-CBD-CGD-O2D
29	e	617	LHG	C6-C5-O7-C7
37	m	610	KC2	CAD-CBD-CGD-O2D
37	k	310	KC2	C2B-C3B-CAB-CBB
37	k	312	KC2	CAD-CBD-CGD-O2D
37	j	610	KC2	C2C-C3C-CAC-CBC
37	g	314	KC2	CAD-CBD-CGD-O2D
27	m	607	CLA	C15-C16-C17-C18
27	e	610	CLA	C10-C11-C12-C13
27	a	313	CLA	O1A-CGA-O2A-C1
27	k	302	CLA	O1A-CGA-O2A-C1
27	A	812	CLA	CBD-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	d	303	CLA	CBA-CGA-O2A-C1
27	B	806	CLA	C4-C3-C5-C6
27	A	855	CLA	C16-C17-C18-C20
27	m	609	CLA	C4C-C3C-CAC-CBC
27	k	308	CLA	C15-C16-C17-C18
27	b	605	CLA	O1D-CGD-O2D-CED
29	L	207	LHG	C4-C5-C6-O8
27	n	604	CLA	CBD-CGD-O2D-CED
29	L	207	LHG	O6-C4-C5-O7
29	n	619	LHG	O6-C4-C5-O7
27	B	804	CLA	C15-C16-C17-C18
29	c	621	LHG	C30-C31-C32-C33
34	L	208	LMG	C17-C18-C19-C20
37	s	204	KC2	C4C-C3C-CAC-CBC
27	g	305	CLA	C4C-C3C-CAC-CBC
29	L	207	LHG	C23-C24-C25-C26
27	e	605	CLA	O1A-CGA-O2A-C1
27	B	807	CLA	C16-C17-C18-C19
27	B	835	CLA	C16-C17-C18-C19
27	l	307	CLA	C4C-C3C-CAC-CBC
27	l	307	CLA	O1D-CGD-O2D-CED
27	g	304	CLA	O1D-CGD-O2D-CED
29	b	617	LHG	O2-C2-C3-O3
27	A	807	CLA	CHA-CBD-CGD-O1D
27	A	813	CLA	CHA-CBD-CGD-O2D
27	A	814	CLA	CHA-CBD-CGD-O1D
27	A	814	CLA	CHA-CBD-CGD-O2D
27	A	816	CLA	CHA-CBD-CGD-O1D
27	A	818	CLA	CHA-CBD-CGD-O1D
27	A	829	CLA	CHA-CBD-CGD-O1D
27	A	832	CLA	CHA-CBD-CGD-O1D
27	A	832	CLA	CHA-CBD-CGD-O2D
27	A	835	CLA	CHA-CBD-CGD-O1D
27	A	835	CLA	CHA-CBD-CGD-O2D
27	A	840	CLA	CHA-CBD-CGD-O1D
27	A	840	CLA	CHA-CBD-CGD-O2D
27	A	855	CLA	CHA-CBD-CGD-O1D
27	A	855	CLA	CHA-CBD-CGD-O2D
27	B	801	CLA	CHA-CBD-CGD-O1D
27	B	806	CLA	CHA-CBD-CGD-O1D
27	B	806	CLA	CHA-CBD-CGD-O2D
27	B	825	CLA	CHA-CBD-CGD-O1D

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	B	832	CLA	CHA-CBD-CGD-O1D
27	B	832	CLA	CHA-CBD-CGD-O2D
27	c	602	CLA	CHA-CBD-CGD-O1D
27	c	602	CLA	CHA-CBD-CGD-O2D
27	c	603	CLA	CHA-CBD-CGD-O1D
27	a	306	CLA	CHA-CBD-CGD-O1D
27	a	313	CLA	CHA-CBD-CGD-O1D
27	b	604	CLA	CHA-CBD-CGD-O1D
27	b	611	CLA	CHA-CBD-CGD-O2D
27	h	313	CLA	CHA-CBD-CGD-O1D
27	h	313	CLA	CHA-CBD-CGD-O2D
27	e	606	CLA	CHA-CBD-CGD-O1D
27	e	606	CLA	CHA-CBD-CGD-O2D
27	e	608	CLA	CHA-CBD-CGD-O1D
27	e	608	CLA	CHA-CBD-CGD-O2D
27	k	303	CLA	CHA-CBD-CGD-O1D
27	k	303	CLA	CHA-CBD-CGD-O2D
27	k	309	CLA	CHA-CBD-CGD-O1D
27	f	604	CLA	CHA-CBD-CGD-O1D
27	i	303	CLA	CHA-CBD-CGD-O1D
27	i	303	CLA	CHA-CBD-CGD-O2D
27	i	305	CLA	CHA-CBD-CGD-O1D
27	j	602	CLA	CHA-CBD-CGD-O1D
27	j	604	CLA	CHA-CBD-CGD-O2D
27	d	304	CLA	CHA-CBD-CGD-O1D
27	d	304	CLA	CHA-CBD-CGD-O2D
27	g	303	CLA	CHA-CBD-CGD-O1D
27	g	305	CLA	CHA-CBD-CGD-O1D
27	n	602	CLA	CHA-CBD-CGD-O1D
27	n	607	CLA	CHA-CBD-CGD-O1D
37	k	310	KC2	CHA-CBD-CGD-O2D
37	i	317	KC2	CHA-CBD-CGD-O2D
37	n	612	KC2	CHA-CBD-CGD-O2D
27	b	603	CLA	C3-C5-C6-C7
27	m	606	CLA	O1A-CGA-O2A-C1
27	m	608	CLA	O1A-CGA-O2A-C1
27	f	609	CLA	O1A-CGA-O2A-C1
27	g	307	CLA	O1A-CGA-O2A-C1
29	f	619	LHG	O10-C23-O8-C6
29	c	618	LHG	O7-C5-C6-O8
29	b	618	LHG	O7-C5-C6-O8
29	g	301	LHG	O7-C5-C6-O8

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	l	303	CLA	CBD-CGD-O2D-CED
27	B	828	CLA	O1A-CGA-O2A-C1
27	j	612	CLA	O1A-CGA-O2A-C1
29	d	315	LHG	C28-C29-C30-C31
27	m	604	CLA	C16-C17-C18-C19
27	g	322	CLA	C16-C17-C18-C20
27	h	303	CLA	O1D-CGD-O2D-CED
34	F	206	LMG	C32-C33-C34-C35
27	B	810	CLA	C4-C3-C5-C6
27	B	824	CLA	C4-C3-C5-C6
31	a	320	LMT	C3-C4-C5-C6
27	n	613	CLA	O1A-CGA-O2A-C1
27	B	806	CLA	C2-C3-C5-C6
35	a	318	II0	C09-C21-C23-C25
35	b	615	II0	C09-C21-C23-C25
35	e	614	II0	C10-C22-C24-C26
35	k	318	II0	C10-C22-C24-C26
35	f	614	II0	C09-C21-C23-C25
35	f	614	II0	C10-C22-C24-C26
35	f	615	II0	C10-C22-C24-C26
35	j	615	II0	C09-C21-C23-C25
35	j	615	II0	C10-C22-C24-C26
35	d	312	II0	C10-C22-C24-C26
35	d	314	II0	C10-C22-C24-C26
35	g	316	II0	C09-C21-C23-C25
35	n	618	II0	C09-C21-C23-C25
36	n	617	IHT	C11-C21-C24-C26
27	A	817	CLA	C11-C12-C13-C14
27	A	835	CLA	C6-C7-C8-C9
27	B	805	CLA	C11-C10-C8-C9
27	B	835	CLA	C11-C12-C13-C14
27	F	202	CLA	C14-C13-C15-C16
27	b	603	CLA	C11-C12-C13-C14
27	b	610	CLA	C11-C10-C8-C9
27	m	606	CLA	C11-C12-C13-C14
27	e	604	CLA	C6-C7-C8-C9
27	l	307	CLA	C6-C7-C8-C9
27	B	819	CLA	CBD-CGD-O2D-CED
27	b	607	CLA	CBD-CGD-O2D-CED
27	A	829	CLA	O1A-CGA-O2A-C1
27	g	311	CLA	O1A-CGA-O2A-C1
27	B	835	CLA	O1D-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	b	617	LHG	C9-C10-C11-C12
27	A	807	CLA	C16-C17-C18-C20
27	a	311	CLA	C2A-CAA-CBA-CGA
27	l	310	CLA	C14-C13-C15-C16
27	g	322	CLA	C15-C16-C17-C18
27	B	819	CLA	O1A-CGA-O2A-C1
30	O	201	WVN	C29-C31-C32-C35
30	K	103	WVN	C20-C23-C25-C27
36	c	616	IHT	C18-C22-C23-C25
36	g	319	IHT	C30-C32-C33-C36
30	K	103	WVN	C20-C23-C25-C28
30	l	301	WVN	C20-C23-C25-C28
30	R	202	WVN	C11-C19-C22-C26
35	j	613	IIO	C31-C33-C35-C39
36	c	616	IHT	C18-C22-C23-C27
27	A	855	CLA	C3-C5-C6-C7
31	a	320	LMT	C5-C6-C7-C8
27	A	812	CLA	C1A-C2A-CAA-CBA
27	B	812	CLA	C1A-C2A-CAA-CBA
27	B	827	CLA	C1A-C2A-CAA-CBA
27	k	308	CLA	C1A-C2A-CAA-CBA
27	j	611	CLA	C1A-C2A-CAA-CBA
27	d	306	CLA	C1A-C2A-CAA-CBA
27	b	603	CLA	C16-C17-C18-C20
27	a	312	CLA	C10-C11-C12-C13
27	F	203	CLA	C2-C1-O2A-CGA
27	l	312	CLA	CBA-CGA-O2A-C1
29	a	301	LHG	C24-C23-O8-C6
29	A	845	LHG	C3-O3-P-O6
29	g	301	LHG	C4-O6-P-O3
34	F	206	LMG	C23-C24-C25-C26
27	g	308	CLA	O1D-CGD-O2D-CED
27	A	839	CLA	C4-C3-C5-C6
27	b	607	CLA	C4-C3-C5-C6
27	e	607	CLA	C4-C3-C5-C6
27	f	609	CLA	C4-C3-C5-C6
29	L	207	LHG	C2-C3-O3-P
29	n	619	LHG	C5-C4-O6-P
27	B	810	CLA	C2-C3-C5-C6
27	e	607	CLA	C2-C3-C5-C6
29	k	319	LHG	C9-C10-C11-C12
27	b	609	CLA	O1A-CGA-O2A-C1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	A	850	LHG	C3-O3-P-O4
29	A	850	LHG	C4-O6-P-O5
29	J	107	LHG	C3-O3-P-O4
29	c	618	LHG	C4-O6-P-O5
29	c	621	LHG	C4-O6-P-O5
29	a	301	LHG	C3-O3-P-O5
29	m	617	LHG	C4-O6-P-O4
29	e	617	LHG	C4-O6-P-O5
29	l	318	LHG	C3-O3-P-O5
29	k	319	LHG	C4-O6-P-O4
29	i	316	LHG	C3-O3-P-O5
29	j	617	LHG	C4-O6-P-O5
29	d	315	LHG	C3-O3-P-O5
29	d	315	LHG	C4-O6-P-O4
29	g	321	LHG	C3-O3-P-O5
29	n	619	LHG	C3-O3-P-O5
27	m	609	CLA	C6-C7-C8-C10
27	A	821	CLA	O2A-C1-C2-C3
27	B	828	CLA	CBA-CGA-O2A-C1
27	n	604	CLA	CBA-CGA-O2A-C1
29	L	207	LHG	O6-C4-C5-C6
29	b	618	LHG	O6-C4-C5-C6
29	f	619	LHG	O6-C4-C5-C6
27	B	840	CLA	CAA-CBA-CGA-O2A
27	s	203	CLA	C15-C16-C17-C18
27	k	305	CLA	C2A-CAA-CBA-CGA
27	j	601	CLA	C2A-CAA-CBA-CGA
27	s	209	CLA	O1A-CGA-O2A-C1
27	n	610	CLA	O1A-CGA-O2A-C1
27	B	807	CLA	C16-C17-C18-C20
27	A	804	CLA	CAD-CBD-CGD-O1D
27	A	813	CLA	CAD-CBD-CGD-O1D
27	A	814	CLA	CAD-CBD-CGD-O1D
27	A	835	CLA	CAD-CBD-CGD-O1D
27	A	855	CLA	CAD-CBD-CGD-O1D
27	O	202	CLA	CAD-CBD-CGD-O1D
27	a	306	CLA	CAD-CBD-CGD-O1D
27	a	313	CLA	CAD-CBD-CGD-O1D
27	b	604	CLA	CAD-CBD-CGD-O1D
27	b	611	CLA	CAD-CBD-CGD-O1D
27	h	308	CLA	CAD-CBD-CGD-O1D
27	h	313	CLA	CAD-CBD-CGD-O1D

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	l	306	CLA	CAD-CBD-CGD-O1D
27	k	303	CLA	CAD-CBD-CGD-O1D
27	f	604	CLA	CAD-CBD-CGD-O1D
27	i	305	CLA	CAD-CBD-CGD-O1D
27	j	604	CLA	CAD-CBD-CGD-O1D
27	d	303	CLA	CAD-CBD-CGD-O1D
27	d	304	CLA	C2-C3-C5-C6
27	d	305	CLA	CAD-CBD-CGD-O1D
27	d	311	CLA	C2-C3-C5-C6
27	g	305	CLA	CAD-CBD-CGD-O1D
27	g	309	CLA	CAD-CBD-CGD-O1D
27	R	203	CLA	C2-C3-C5-C6
27	n	603	CLA	C2-C3-C5-C6
27	a	306	CLA	C13-C15-C16-C17
37	f	611	KC2	CAA-CBA-CGA-O1A
27	O	206	CLA	C13-C15-C16-C17
29	a	319	LHG	C10-C11-C12-C13
27	B	811	CLA	C11-C12-C13-C14
27	L	203	CLA	C16-C17-C18-C19
27	b	604	CLA	C16-C17-C18-C19
27	f	613	CLA	C16-C17-C18-C20
27	A	805	CLA	C3A-C2A-CAA-CBA
27	A	817	CLA	C11-C12-C13-C15
27	A	818	CLA	C2-C3-C5-C6
27	A	827	CLA	C11-C12-C13-C15
27	A	828	CLA	C12-C13-C15-C16
27	A	837	CLA	C12-C13-C15-C16
27	A	839	CLA	C11-C12-C13-C15
27	A	853	CLA	C11-C12-C13-C15
27	B	810	CLA	C3A-C2A-CAA-CBA
27	B	811	CLA	C3A-C2A-CAA-CBA
27	B	811	CLA	C11-C10-C8-C7
27	B	831	CLA	C11-C10-C8-C7
27	B	834	CLA	C6-C7-C8-C10
27	B	834	CLA	C11-C10-C8-C7
27	B	834	CLA	C11-C12-C13-C15
27	B	835	CLA	C6-C7-C8-C10
27	B	836	CLA	C11-C10-C8-C7
27	B	838	CLA	C11-C12-C13-C15
27	B	838	CLA	C12-C13-C15-C16
27	s	206	CLA	C11-C12-C13-C15
27	c	606	CLA	C3A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	a	308	CLA	C11-C10-C8-C7
27	b	603	CLA	C11-C12-C13-C15
27	b	605	CLA	C12-C13-C15-C16
27	b	610	CLA	C6-C7-C8-C10
27	m	604	CLA	C6-C7-C8-C10
27	m	607	CLA	C12-C13-C15-C16
27	l	310	CLA	C6-C7-C8-C10
27	l	312	CLA	C6-C7-C8-C10
27	k	303	CLA	C12-C13-C15-C16
27	k	307	CLA	C11-C10-C8-C7
27	f	607	CLA	C6-C7-C8-C10
27	f	607	CLA	C11-C12-C13-C15
27	g	308	CLA	C11-C12-C13-C15
29	f	619	LHG	O6-C4-C5-O7
29	g	301	LHG	O6-C4-C5-O7
30	I	101	WVN	C05-C02-C11-C19
30	L	201	WVN	C05-C02-C11-C19
30	e	615	WVN	C05-C02-C11-C19
27	l	312	CLA	O1A-CGA-O2A-C1
34	J	106	LMG	C37-C38-C39-C40
37	m	610	KC2	CAA-CBA-CGA-O2A
35	g	318	II0	C26-C30-C32-C34
27	B	823	CLA	CBD-CGD-O2D-CED
27	B	814	CLA	CAA-CBA-CGA-O2A
27	n	602	CLA	O1A-CGA-O2A-C1
27	e	606	CLA	C8-C10-C11-C12
27	e	604	CLA	C2A-CAA-CBA-CGA
27	A	803	CLA	C6-C7-C8-C10
27	A	807	CLA	C16-C17-C18-C19
29	l	318	LHG	C26-C27-C28-C29
29	c	621	LHG	C4-C5-C6-O8
29	b	618	LHG	C9-C10-C11-C12
29	k	319	LHG	C4-C5-C6-O8
29	e	617	LHG	O7-C5-C6-O8
29	e	617	LHG	C10-C11-C12-C13
34	s	210	LMG	C22-C23-C24-C25
34	c	619	LMG	C34-C35-C36-C37
27	A	817	CLA	CAA-CBA-CGA-O2A
27	h	301	CLA	CAA-CBA-CGA-O2A
27	h	313	CLA	C5-C6-C7-C8
27	m	604	CLA	C8-C10-C11-C12
34	J	106	LMG	C31-C32-C33-C34

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	d	303	CLA	O1A-CGA-O2A-C1
34	L	208	LMG	C29-C28-O8-C9
27	b	607	CLA	C2-C3-C5-C6
27	l	304	CLA	C2-C3-C5-C6
27	A	816	CLA	C11-C10-C8-C9
27	A	831	CLA	C11-C12-C13-C14
27	A	836	CLA	C6-C7-C8-C9
27	A	837	CLA	C14-C13-C15-C16
27	B	806	CLA	C11-C10-C8-C9
27	B	815	CLA	C11-C10-C8-C9
27	B	823	CLA	C6-C7-C8-C9
27	O	206	CLA	C11-C12-C13-C14
27	c	612	CLA	C11-C10-C8-C9
27	b	603	CLA	C14-C13-C15-C16
27	b	604	CLA	C6-C7-C8-C9
27	b	608	CLA	C11-C10-C8-C9
27	m	602	CLA	C6-C7-C8-C9
27	e	604	CLA	C11-C12-C13-C14
27	k	307	CLA	C14-C13-C15-C16
27	f	608	CLA	C11-C12-C13-C14
27	j	609	CLA	C11-C10-C8-C9
27	d	303	CLA	C11-C10-C8-C9
27	g	308	CLA	C6-C7-C8-C9
27	g	308	CLA	C11-C10-C8-C9
27	n	610	CLA	C6-C7-C8-C9
29	b	617	LHG	C29-C30-C31-C32
27	A	801	CLA	C16-C17-C18-C20
29	A	844	LHG	C10-C11-C12-C13
27	b	602	CLA	O1A-CGA-O2A-C1
27	A	804	CLA	CAA-CBA-CGA-O2A
30	B	845	WVN	C26-C29-C31-C32
30	B	848	WVN	C28-C30-C33-C34
30	A	846	WVN	C32-C36-C39-C40
31	A	851	LMT	C6-C7-C8-C9
35	b	613	II0	C32-C34-C36-C38
27	n	610	CLA	C3-C5-C6-C7
27	A	806	CLA	C16-C17-C18-C19
27	g	305	CLA	C15-C16-C17-C18
37	m	610	KC2	CBD-CGD-O2D-CED
29	L	207	LHG	O2-C2-C3-O3
27	A	840	CLA	C5-C6-C7-C8
29	b	617	LHG	C30-C31-C32-C33

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	s	202	CLA	C3-C5-C6-C7
27	A	802	CLA	C4-C3-C5-C6
37	k	310	KC2	C2A-CAA-CBA-CGA
27	A	817	CLA	C16-C17-C18-C19
29	f	619	LHG	C34-C35-C36-C37
27	A	821	CLA	C1-C2-C3-C4
27	B	827	CLA	C1-C2-C3-C4
29	g	321	LHG	C4-C5-O7-C7
27	A	855	CLA	C2A-CAA-CBA-CGA
27	k	308	CLA	C2A-CAA-CBA-CGA
27	g	305	CLA	C2A-CAA-CBA-CGA
29	l	318	LHG	O9-C7-O7-C5
27	B	835	CLA	C2-C1-O2A-CGA
27	a	303	CLA	C2-C1-O2A-CGA
27	b	601	CLA	C2-C1-O2A-CGA
27	l	309	CLA	C2-C1-O2A-CGA
27	a	312	CLA	C4C-C3C-CAC-CBC
27	f	607	CLA	C16-C17-C18-C19
27	B	817	CLA	O1A-CGA-O2A-C1
27	a	308	CLA	O1D-CGD-O2D-CED
27	n	610	CLA	CBA-CGA-O2A-C1
33	B	842	DGD	C8B-C9B-CAB-CBB
27	d	304	CLA	CAA-CBA-CGA-O2A
27	e	610	CLA	C16-C17-C18-C19
27	A	842	CLA	C4-C3-C5-C6
30	J	102	WVN	C06-C13-C20-C23
36	c	620	IHT	C02-C07-C18-C22
27	O	206	CLA	O1D-CGD-O2D-CED
27	s	203	CLA	C10-C11-C12-C13
27	f	613	CLA	CAA-CBA-CGA-O2A
27	b	604	CLA	C8-C10-C11-C12
29	a	301	LHG	O10-C23-O8-C6
27	B	811	CLA	C11-C12-C13-C15
27	B	823	CLA	C16-C17-C18-C20
27	b	604	CLA	C16-C17-C18-C20
27	b	610	CLA	C16-C17-C18-C19
27	e	605	CLA	C16-C17-C18-C19
27	n	609	CLA	C3-C5-C6-C7
29	J	107	LHG	C27-C28-C29-C30
34	J	106	LMG	O1-C7-C8-O7
34	O	205	LMG	O7-C8-C9-O8
27	A	811	CLA	CBD-CGD-O2D-CED

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	A	844	LHG	C3-O3-P-O6
29	c	618	LHG	C3-O3-P-O6
29	a	319	LHG	C3-O3-P-O6
29	b	617	LHG	C4-O6-P-O3
29	b	618	LHG	C3-O3-P-O6
29	g	301	LHG	C31-C32-C33-C34
27	A	811	CLA	O1D-CGD-O2D-CED
27	A	836	CLA	C11-C12-C13-C15
27	B	824	CLA	C2-C3-C5-C6
27	h	306	CLA	C11-C10-C8-C7
27	m	603	CLA	C12-C13-C15-C16
27	f	602	CLA	C12-C13-C15-C16
27	f	608	CLA	C12-C13-C15-C16
27	g	322	CLA	C6-C7-C8-C10
29	c	618	LHG	C25-C26-C27-C28
27	m	606	CLA	CAA-CBA-CGA-O2A
27	A	812	CLA	C14-C13-C15-C16
27	A	828	CLA	C14-C13-C15-C16
27	A	853	CLA	C11-C12-C13-C14
27	B	810	CLA	C11-C12-C13-C14
27	B	811	CLA	C11-C10-C8-C9
27	B	829	CLA	C6-C7-C8-C9
27	B	834	CLA	C11-C10-C8-C9
27	b	607	CLA	C11-C12-C13-C14
27	m	604	CLA	C6-C7-C8-C9
27	l	306	CLA	C11-C10-C8-C9
27	l	310	CLA	C6-C7-C8-C9
27	l	310	CLA	C11-C12-C13-C14
27	n	607	CLA	C11-C10-C8-C9
28	A	843	PQN	C24-C23-C25-C26
27	A	824	CLA	C8-C10-C11-C12
30	A	849	WVN	C25-C28-C30-C33
30	B	845	WVN	C34-C37-C40-C39
30	i	315	WVN	C34-C37-C40-C39
35	m	614	II0	C35-C39-C41-C42
35	l	315	II0	C25-C29-C31-C33
35	k	315	II0	C35-C39-C41-C42
35	f	615	II0	C26-C30-C32-C34
35	j	614	II0	C36-C40-C42-C41
35	n	616	II0	C35-C39-C41-C42
36	f	617	IHT	C33-C37-C40-C41
27	h	301	CLA	C16-C17-C18-C20

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	k	319	LHG	C31-C32-C33-C34
34	c	619	LMG	C14-C15-C16-C17
27	g	311	CLA	CBA-CGA-O2A-C1
27	A	816	CLA	C8-C10-C11-C12
27	A	820	CLA	C2C-C3C-CAC-CBC
27	i	302	CLA	CAA-CBA-CGA-O1A
27	k	306	CLA	C2A-CAA-CBA-CGA
30	B	845	WVN	C29-C31-C32-C35
35	n	618	II0	C32-C34-C36-C38
27	m	609	CLA	C6-C7-C8-C9
28	A	843	PQN	C26-C27-C28-C30
27	m	604	CLA	C4C-C3C-CAC-CBC
27	B	834	CLA	CBA-CGA-O2A-C1
29	L	207	LHG	O1-C1-C2-C3
29	a	301	LHG	C5-C4-O6-P
29	f	619	LHG	C2-C3-O3-P
30	L	201	WVN	C29-C31-C32-C36
35	m	614	II0	C31-C33-C35-C39
35	e	613	II0	C31-C33-C35-C39
27	b	606	CLA	C12-C13-C15-C16
27	f	612	CLA	C4C-C3C-CAC-CBC
33	B	842	DGD	O1A-C1A-O1G-C1G
29	J	107	LHG	O1-C1-C2-O2
27	e	605	CLA	C16-C17-C18-C20
33	B	842	DGD	C2A-C1A-O1G-C1G
27	B	834	CLA	CBD-CGD-O2D-CED
34	J	106	LMG	C19-C20-C21-C22
27	B	819	CLA	O1D-CGD-O2D-CED
29	f	619	LHG	C11-C12-C13-C14
27	B	804	CLA	C10-C11-C12-C13
27	s	206	CLA	C5-C6-C7-C8
27	d	303	CLA	C13-C15-C16-C17
27	B	828	CLA	CBD-CGD-O2D-CED
27	i	312	CLA	C2A-CAA-CBA-CGA
30	A	848	WVN	C25-C28-C30-C33
30	F	204	WVN	C34-C37-C40-C39
30	F	205	WVN	C25-C28-C30-C33
30	F	205	WVN	C34-C37-C40-C39
30	i	315	WVN	C32-C36-C39-C40
30	R	202	WVN	C25-C28-C30-C33
35	b	613	II0	C35-C39-C41-C42
35	h	312	II0	C35-C39-C41-C42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
35	k	314	II0	C35-C39-C41-C42
29	L	207	LHG	C33-C34-C35-C36
34	L	208	LMG	C39-C40-C41-C42
27	B	839	CLA	C3-C5-C6-C7
27	j	612	CLA	C5-C6-C7-C8
27	h	303	CLA	CBD-CGD-O2D-CED
27	A	840	CLA	C16-C17-C18-C20
27	k	303	CLA	C16-C17-C18-C20
37	k	310	KC2	C4B-C3B-CAB-CBB
27	B	823	CLA	C4-C3-C5-C6
27	F	203	CLA	C4-C3-C5-C6
27	s	206	CLA	C4-C3-C5-C6
27	e	604	CLA	C4-C3-C5-C6
27	g	308	CLA	C4-C3-C5-C6
27	c	602	CLA	C2C-C3C-CAC-CBC
29	m	617	LHG	C10-C11-C12-C13
27	B	834	CLA	O1D-CGD-O2D-CED
27	e	604	CLA	C2-C3-C5-C6
27	a	308	CLA	C13-C15-C16-C17
27	A	805	CLA	C2-C1-O2A-CGA
27	A	833	CLA	C2-C1-O2A-CGA
27	J	105	CLA	C2-C1-O2A-CGA
27	h	307	CLA	C2-C1-O2A-CGA
27	k	305	CLA	C2-C1-O2A-CGA
27	k	309	CLA	C2-C1-O2A-CGA
27	f	604	CLA	C2C-C3C-CAC-CBC
27	s	202	CLA	C8-C10-C11-C12
27	b	604	CLA	C10-C11-C12-C13
27	B	818	CLA	C6-C7-C8-C10
29	A	850	LHG	C24-C25-C26-C27
27	A	852	CLA	C2A-CAA-CBA-CGA
27	a	304	CLA	C2A-CAA-CBA-CGA
27	a	313	CLA	C2A-CAA-CBA-CGA
27	h	306	CLA	C2A-CAA-CBA-CGA
27	b	607	CLA	O1D-CGD-O2D-CED
29	g	301	LHG	C11-C10-C9-C8
27	A	808	CLA	C3A-C2A-CAA-CBA
27	B	838	CLA	C3A-C2A-CAA-CBA
27	s	206	CLA	C3A-C2A-CAA-CBA
27	c	611	CLA	C3A-C2A-CAA-CBA
27	a	313	CLA	C3A-C2A-CAA-CBA
27	e	604	CLA	C3A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	n	613	CLA	C3A-C2A-CAA-CBA
27	s	202	CLA	C16-C17-C18-C20
27	a	311	CLA	C16-C17-C18-C19
27	B	835	CLA	C4C-C3C-CAC-CBC
27	g	306	CLA	CAA-CBA-CGA-O1A
27	h	306	CLA	C4-C3-C5-C6
27	h	307	CLA	C4-C3-C5-C6
34	F	206	LMG	C14-C15-C16-C17
35	J	104	II0	C09-C21-C23-C25
35	c	614	II0	C10-C22-C24-C26
35	b	615	II0	C10-C22-C24-C26
35	h	310	II0	C09-C21-C23-C25
35	l	302	II0	C10-C22-C24-C26
35	l	314	II0	C09-C21-C23-C25
35	l	314	II0	C10-C22-C24-C26
35	i	314	II0	C09-C21-C23-C25
35	i	314	II0	C10-C22-C24-C26
35	d	314	II0	C09-C21-C23-C25
35	n	616	II0	C10-C22-C24-C26
36	c	616	IHT	C11-C21-C24-C26
27	A	808	CLA	C11-C12-C13-C14
27	A	820	CLA	C11-C10-C8-C9
27	A	825	CLA	C14-C13-C15-C16
27	A	827	CLA	C14-C13-C15-C16
27	B	803	CLA	C6-C7-C8-C9
27	B	820	CLA	C14-C13-C15-C16
27	B	834	CLA	C6-C7-C8-C9
27	O	206	CLA	C11-C10-C8-C9
27	c	612	CLA	C14-C13-C15-C16
27	a	306	CLA	C14-C13-C15-C16
27	b	604	CLA	C11-C10-C8-C9
27	b	606	CLA	C6-C7-C8-C9
27	h	307	CLA	C11-C10-C8-C9
27	l	304	CLA	C11-C10-C8-C9
27	l	306	CLA	C11-C12-C13-C14
27	i	307	CLA	C11-C10-C8-C9
27	F	201	CLA	O1D-CGD-O2D-CED
27	l	303	CLA	O1D-CGD-O2D-CED
30	A	847	WVN	C24-C22-C26-C29
30	s	207	WVN	C01-C02-C11-C19
35	l	314	II0	C38-C36-C40-C42
27	R	203	CLA	CAA-CBA-CGA-O1A

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	801	CLA	C16-C17-C18-C19
27	A	803	CLA	C6-C7-C8-C9
27	F	201	CLA	C16-C17-C18-C19
27	j	612	CLA	C16-C17-C18-C19
30	s	205	WVN	C30-C33-C34-C38
27	O	206	CLA	CBD-CGD-O2D-CED
30	R	202	WVN	C30-C33-C34-C37
35	h	311	II0	C31-C33-C35-C39
36	g	319	IHT	C30-C32-C33-C37
29	a	319	LHG	C24-C25-C26-C27
29	a	319	LHG	C33-C34-C35-C36
29	g	301	LHG	C6-C5-O7-C7
27	A	824	CLA	C13-C15-C16-C17
27	B	810	CLA	C1A-C2A-CAA-CBA
27	B	817	CLA	C1A-C2A-CAA-CBA
27	B	823	CLA	C1A-C2A-CAA-CBA
27	c	605	CLA	C1A-C2A-CAA-CBA
27	c	609	CLA	C1A-C2A-CAA-CBA
27	a	313	CLA	C1A-C2A-CAA-CBA
27	b	606	CLA	C1A-C2A-CAA-CBA
27	h	301	CLA	C1A-C2A-CAA-CBA
27	m	611	CLA	C1A-C2A-CAA-CBA
27	f	604	CLA	C1A-C2A-CAA-CBA
27	j	605	CLA	C1A-C2A-CAA-CBA
34	s	210	LMG	C15-C16-C17-C18
27	A	807	CLA	C12-C13-C15-C16
27	A	824	CLA	C12-C13-C15-C16
27	A	855	CLA	C11-C10-C8-C7
27	B	816	CLA	C6-C7-C8-C10
27	L	203	CLA	C6-C7-C8-C10
27	a	306	CLA	C11-C10-C8-C7
27	a	309	CLA	C11-C10-C8-C7
27	e	604	CLA	C11-C10-C8-C7
27	e	605	CLA	C12-C13-C15-C16
27	l	306	CLA	C11-C12-C13-C15
27	l	308	CLA	C6-C7-C8-C10
27	f	608	CLA	C6-C7-C8-C10
27	f	610	CLA	C11-C10-C8-C7
35	n	616	II0	C26-C30-C32-C34
36	g	319	IHT	C23-C27-C30-C32
29	J	107	LHG	C32-C33-C34-C35
27	B	836	CLA	C15-C16-C17-C18

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	i	312	CLA	CAA-CBA-CGA-O2A
27	A	825	CLA	CBA-CGA-O2A-C1
27	m	606	CLA	C16-C17-C18-C20
27	A	835	CLA	C2A-CAA-CBA-CGA
27	c	604	CLA	C2A-CAA-CBA-CGA
27	l	304	CLA	C2A-CAA-CBA-CGA
27	j	612	CLA	C2A-CAA-CBA-CGA
27	l	312	CLA	C5-C6-C7-C8
31	A	851	LMT	C2-C3-C4-C5
27	B	816	CLA	CBA-CGA-O2A-C1
37	f	611	KC2	C3A-C2A-CAA-CBA
37	i	310	KC2	C3A-C2A-CAA-CBA
37	g	313	KC2	C3A-C2A-CAA-CBA
27	a	309	CLA	C16-C17-C18-C20
27	l	308	CLA	C5-C6-C7-C8
34	c	619	LMG	C32-C33-C34-C35
27	f	607	CLA	C5-C6-C7-C8
27	B	823	CLA	C2-C3-C5-C6
27	F	203	CLA	C2-C3-C5-C6
27	h	307	CLA	C2-C3-C5-C6
27	j	605	CLA	CAA-CBA-CGA-O2A
27	A	812	CLA	O1D-CGD-O2D-CED
34	c	619	LMG	C12-C13-C14-C15
29	J	107	LHG	C17-C18-C19-C20
30	A	847	WVN	C19-C22-C26-C29
35	l	314	II0	C34-C36-C40-C42
29	J	107	LHG	C30-C31-C32-C33
29	l	318	LHG	C25-C26-C27-C28
31	a	302	LMT	C4-C5-C6-C7
30	L	201	WVN	C22-C26-C29-C31
35	a	316	II0	C36-C40-C42-C41
35	b	613	II0	C26-C30-C32-C34
35	d	313	II0	C25-C29-C31-C33
35	g	318	II0	C36-C40-C42-C41
27	B	832	CLA	C5-C6-C7-C8
34	L	208	LMG	O10-C28-O8-C9
27	k	303	CLA	C16-C17-C18-C19
29	b	617	LHG	C27-C28-C29-C30
27	g	308	CLA	CBD-CGD-O2D-CED
27	B	805	CLA	C3-C5-C6-C7
27	e	611	CLA	C4-C3-C5-C6
27	A	802	CLA	C2-C1-O2A-CGA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	816	CLA	C2-C1-O2A-CGA
27	L	204	CLA	C2-C1-O2A-CGA
27	c	605	CLA	C2-C1-O2A-CGA
27	a	311	CLA	C2-C1-O2A-CGA
27	l	307	CLA	C2-C1-O2A-CGA
27	d	302	CLA	C2-C1-O2A-CGA
27	A	842	CLA	C2-C3-C5-C6
27	e	611	CLA	C2-C3-C5-C6
27	B	823	CLA	C15-C16-C17-C18
27	m	603	CLA	C13-C15-C16-C17
27	l	310	CLA	C5-C6-C7-C8
31	a	302	LMT	C1-C2-C3-C4
27	A	828	CLA	C6-C7-C8-C9
27	A	852	CLA	C14-C13-C15-C16
27	f	608	CLA	C11-C10-C8-C9
27	g	305	CLA	C14-C13-C15-C16
27	n	602	CLA	CBA-CGA-O2A-C1
27	k	313	CLA	C2C-C3C-CAC-CBC
29	i	316	LHG	C26-C27-C28-C29
27	k	305	CLA	C4-C3-C5-C6
27	d	304	CLA	C4-C3-C5-C6
27	d	311	CLA	C4-C3-C5-C6
27	n	603	CLA	C4-C3-C5-C6
37	i	317	KC2	C1A-C2A-CAA-CBA
37	n	611	KC2	C1A-C2A-CAA-CBA
27	e	606	CLA	O1D-CGD-O2D-CED
29	m	617	LHG	C25-C26-C27-C28
27	c	608	CLA	C15-C16-C17-C18
27	c	606	CLA	C2A-CAA-CBA-CGA
27	k	303	CLA	C2A-CAA-CBA-CGA
27	F	201	CLA	C16-C17-C18-C20
27	j	607	CLA	CAA-CBA-CGA-O2A
27	A	801	CLA	CAA-CBA-CGA-O1A
27	n	613	CLA	CAA-CBA-CGA-O1A
30	A	849	WVN	C06-C13-C20-C23
30	B	843	WVN	C06-C13-C20-C23
30	B	847	WVN	C06-C13-C20-C23
30	L	201	WVN	C06-C13-C20-C23
36	j	616	IHT	C10-C07-C18-C22
29	a	319	LHG	C29-C30-C31-C32
27	B	823	CLA	O1D-CGD-O2D-CED
27	j	605	CLA	CAA-CBA-CGA-O1A

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	a	301	LHG	O1-C1-C2-C3
29	n	619	LHG	O1-C1-C2-C3
30	A	847	WVN	C25-C28-C30-C33
30	A	849	WVN	C22-C26-C29-C31
30	K	103	WVN	C22-C26-C29-C31
35	l	302	II0	C35-C39-C41-C42
36	O	204	IHT	C33-C37-C40-C41
29	b	618	LHG	C25-C26-C27-C28
27	a	312	CLA	C16-C17-C18-C20
31	b	616	LMT	O1'-C1-C2-C3
27	f	609	CLA	C2-C3-C5-C6
27	j	612	CLA	C3-C5-C6-C7
33	B	842	DGD	C5D-C6D-O5D-C1E
29	L	207	LHG	C12-C13-C14-C15
34	b	619	LMG	C16-C17-C18-C19
37	m	610	KC2	CAA-CBA-CGA-O1A
27	B	806	CLA	C16-C17-C18-C20
27	a	308	CLA	CBD-CGD-O2D-CED
29	c	621	LHG	O6-C4-C5-O7
27	A	819	CLA	CAA-CBA-CGA-O2A
27	B	805	CLA	C2A-CAA-CBA-CGA
27	f	613	CLA	C13-C15-C16-C17
27	k	305	CLA	CAA-CBA-CGA-O2A
27	F	201	CLA	C15-C16-C17-C18
27	A	827	CLA	C4-C3-C5-C6
27	F	202	CLA	C4-C3-C5-C6
27	O	202	CLA	C4-C3-C5-C6
27	e	605	CLA	C4-C3-C5-C6
27	A	824	CLA	C2-C3-C5-C6
27	A	828	CLA	C6-C7-C8-C10
27	A	829	CLA	C6-C7-C8-C10
27	B	806	CLA	C11-C10-C8-C7
27	B	814	CLA	C6-C7-C8-C10
27	B	837	CLA	C11-C10-C8-C7
27	s	202	CLA	C11-C10-C8-C7
27	h	313	CLA	C11-C10-C8-C7
27	g	308	CLA	C8-C10-C11-C12
29	m	617	LHG	O1-C1-C2-O2
34	c	619	LMG	C24-C25-C26-C27
35	f	618	II0	C36-C40-C42-C41
29	f	619	LHG	O7-C7-C8-C9
27	A	855	CLA	C16-C17-C18-C19

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
34	O	205	LMG	C28-C29-C30-C31
27	B	808	CLA	CBA-CGA-O2A-C1
27	L	204	CLA	CBA-CGA-O2A-C1
27	B	837	CLA	CAA-CBA-CGA-O1A
27	A	812	CLA	C3-C5-C6-C7
27	n	601	CLA	CAA-CBA-CGA-O1A
27	A	828	CLA	CAA-CBA-CGA-O2A
27	B	839	CLA	CAA-CBA-CGA-O2A
27	f	604	CLA	C4C-C3C-CAC-CBC
27	b	603	CLA	O1D-CGD-O2D-CED
27	m	607	CLA	C16-C17-C18-C20
27	e	604	CLA	CBA-CGA-O2A-C1
27	A	812	CLA	CAA-CBA-CGA-O2A
27	B	838	CLA	C4-C3-C5-C6
27	i	307	CLA	C2-C3-C5-C6
34	L	208	LMG	C11-C12-C13-C14
27	s	202	CLA	C16-C17-C18-C19
27	e	610	CLA	C16-C17-C18-C20
27	s	203	CLA	CAA-CBA-CGA-O2A
27	l	308	CLA	CAA-CBA-CGA-O2A
27	A	809	CLA	C11-C10-C8-C7
27	A	805	CLA	C11-C10-C8-C9
27	A	840	CLA	C6-C7-C8-C9
27	B	803	CLA	C11-C12-C13-C14
27	B	821	CLA	C14-C13-C15-C16
27	B	831	CLA	C11-C10-C8-C9
27	B	836	CLA	C11-C10-C8-C9
27	b	606	CLA	C11-C12-C13-C14
27	b	610	CLA	C6-C7-C8-C9
27	l	308	CLA	C6-C7-C8-C9
27	l	312	CLA	C6-C7-C8-C9
27	k	303	CLA	C14-C13-C15-C16
27	d	303	CLA	C6-C7-C8-C9
29	b	617	LHG	C18-C19-C20-C21
27	B	807	CLA	C3A-C2A-CAA-CBA
27	F	201	CLA	C3A-C2A-CAA-CBA
27	c	605	CLA	C3A-C2A-CAA-CBA
27	h	301	CLA	C3A-C2A-CAA-CBA
27	h	302	CLA	C3A-C2A-CAA-CBA
27	j	604	CLA	CAA-CBA-CGA-O2A
27	g	308	CLA	CAA-CBA-CGA-O2A
29	A	845	LHG	O7-C7-C8-C9

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	n	619	LHG	C32-C33-C34-C35
27	A	819	CLA	CAA-CBA-CGA-O1A
27	A	803	CLA	CAD-CBD-CGD-O2D
27	A	825	CLA	CAD-CBD-CGD-O2D
27	A	826	CLA	CAD-CBD-CGD-O2D
27	A	830	CLA	CAD-CBD-CGD-O2D
27	A	834	CLA	CAD-CBD-CGD-O2D
27	B	810	CLA	CAD-CBD-CGD-O2D
27	B	811	CLA	CAD-CBD-CGD-O2D
27	B	839	CLA	CAD-CBD-CGD-O2D
27	K	101	CLA	CAD-CBD-CGD-O2D
27	s	209	CLA	CAD-CBD-CGD-O2D
27	c	605	CLA	CAD-CBD-CGD-O2D
27	a	312	CLA	CAD-CBD-CGD-O2D
27	b	607	CLA	CAD-CBD-CGD-O2D
27	b	608	CLA	CAD-CBD-CGD-O2D
27	m	601	CLA	CAD-CBD-CGD-O2D
27	m	604	CLA	CAD-CBD-CGD-O2D
27	m	605	CLA	CAD-CBD-CGD-O2D
27	m	608	CLA	CAD-CBD-CGD-O2D
27	m	611	CLA	CAD-CBD-CGD-O2D
27	e	604	CLA	CAD-CBD-CGD-O2D
27	e	607	CLA	CAD-CBD-CGD-O2D
27	l	307	CLA	CAD-CBD-CGD-O2D
27	k	309	CLA	CAD-CBD-CGD-O2D
27	f	602	CLA	CAD-CBD-CGD-O2D
27	f	606	CLA	CAD-CBD-CGD-O2D
27	i	306	CLA	CAD-CBD-CGD-O2D
27	j	603	CLA	CAD-CBD-CGD-O2D
27	j	605	CLA	CAD-CBD-CGD-O2D
27	j	607	CLA	CAD-CBD-CGD-O2D
27	j	612	CLA	CAD-CBD-CGD-O2D
27	d	311	CLA	CAD-CBD-CGD-O2D
27	R	203	CLA	CAD-CBD-CGD-O2D
27	n	604	CLA	CAD-CBD-CGD-O2D
27	n	606	CLA	CAD-CBD-CGD-O2D
27	n	609	CLA	CAD-CBD-CGD-O2D
37	f	611	KC2	CAD-CBD-CGD-O2D
37	g	312	KC2	C2B-C3B-CAB-CBB
27	B	806	CLA	C16-C17-C18-C19
27	b	607	CLA	C2A-CAA-CBA-CGA
28	A	843	PQN	C15-C16-C17-C18

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	608	CLA	C2-C1-O2A-CGA
27	e	606	CLA	C2-C1-O2A-CGA
27	B	804	CLA	CAA-CBA-CGA-O2A
27	k	304	CLA	CBD-CGD-O2D-CED
27	l	304	CLA	C16-C17-C18-C19
27	j	607	CLA	CAA-CBA-CGA-O1A
27	e	605	CLA	C15-C16-C17-C18
27	A	827	CLA	C2-C3-C5-C6
27	h	306	CLA	C2-C3-C5-C6
27	K	101	CLA	CAA-CBA-CGA-O2A
27	j	606	CLA	CAA-CBA-CGA-O2A
27	n	610	CLA	CAA-CBA-CGA-O2A
30	F	205	WVN	C30-C33-C34-C37
30	s	205	WVN	C30-C33-C34-C37
35	e	616	II0	C32-C34-C36-C40
35	k	314	II0	C32-C34-C36-C40
34	b	619	LMG	C7-C8-C9-O8
27	A	812	CLA	C8-C10-C11-C12
29	J	107	LHG	O7-C7-C8-C9
34	F	206	LMG	C24-C25-C26-C27
27	B	801	CLA	CAA-CBA-CGA-O1A
27	a	308	CLA	CAA-CBA-CGA-O1A
27	l	303	CLA	C2-C1-O2A-CGA
34	s	210	LMG	C32-C33-C34-C35
27	A	804	CLA	O2A-C1-C2-C3
27	A	809	CLA	O2A-C1-C2-C3
27	A	824	CLA	O2A-C1-C2-C3
27	A	827	CLA	O2A-C1-C2-C3
27	A	840	CLA	O2A-C1-C2-C3
27	A	842	CLA	O2A-C1-C2-C3
27	B	828	CLA	O2A-C1-C2-C3
27	B	829	CLA	O2A-C1-C2-C3
27	B	839	CLA	O2A-C1-C2-C3
27	a	305	CLA	O2A-C1-C2-C3
27	m	611	CLA	O2A-C1-C2-C3
27	e	603	CLA	O2A-C1-C2-C3
27	l	305	CLA	O2A-C1-C2-C3
27	l	310	CLA	O2A-C1-C2-C3
27	f	613	CLA	O2A-C1-C2-C3
27	d	302	CLA	O2A-C1-C2-C3
27	n	613	CLA	O2A-C1-C2-C3
34	L	208	LMG	C37-C38-C39-C40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
37	j	610	KC2	C4C-C3C-CAC-CBC
37	d	310	KC2	C4B-C3B-CAB-CBB
37	g	312	KC2	C4B-C3B-CAB-CBB
27	f	604	CLA	C2A-CAA-CBA-CGA
27	g	310	CLA	C2A-CAA-CBA-CGA
27	g	322	CLA	C4C-C3C-CAC-CBC
27	L	202	CLA	CAA-CBA-CGA-O2A
27	j	603	CLA	CAA-CBA-CGA-O2A
27	B	840	CLA	C16-C17-C18-C20
27	l	307	CLA	C16-C17-C18-C19
29	c	621	LHG	O2-C2-C3-O3
37	d	309	KC2	CBD-CGD-O2D-CED
34	J	106	LMG	C34-C35-C36-C37
27	A	807	CLA	CHA-CBD-CGD-O2D
27	A	809	CLA	CHA-CBD-CGD-O2D
27	A	812	CLA	CHA-CBD-CGD-O1D
27	A	818	CLA	CHA-CBD-CGD-O2D
27	A	853	CLA	CHA-CBD-CGD-O1D
27	A	853	CLA	CHA-CBD-CGD-O2D
27	B	825	CLA	CHA-CBD-CGD-O2D
27	B	831	CLA	CHA-CBD-CGD-O1D
27	B	836	CLA	CHA-CBD-CGD-O2D
27	B	838	CLA	CHA-CBD-CGD-O1D
27	B	838	CLA	CHA-CBD-CGD-O2D
27	F	201	CLA	CHA-CBD-CGD-O1D
27	F	201	CLA	CHA-CBD-CGD-O2D
27	K	102	CLA	CHA-CBD-CGD-O1D
27	K	102	CLA	CHA-CBD-CGD-O2D
27	s	202	CLA	CHA-CBD-CGD-O1D
27	s	203	CLA	CHA-CBD-CGD-O2D
27	c	601	CLA	CHA-CBD-CGD-O1D
27	c	601	CLA	CHA-CBD-CGD-O2D
27	c	603	CLA	CHA-CBD-CGD-O2D
27	c	605	CLA	CHA-CBD-CGD-O2D
27	c	607	CLA	CHA-CBD-CGD-O1D
27	c	607	CLA	CHA-CBD-CGD-O2D
27	a	305	CLA	CHA-CBD-CGD-O2D
27	a	306	CLA	CHA-CBD-CGD-O2D
27	a	308	CLA	CHA-CBD-CGD-O1D
27	a	308	CLA	CHA-CBD-CGD-O2D
27	a	310	CLA	CHA-CBD-CGD-O1D
27	a	310	CLA	CHA-CBD-CGD-O2D

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	a	311	CLA	CHA-CBD-CGD-O1D
27	a	311	CLA	CHA-CBD-CGD-O2D
27	a	313	CLA	CHA-CBD-CGD-O2D
27	b	601	CLA	CHA-CBD-CGD-O1D
27	b	604	CLA	CHA-CBD-CGD-O2D
27	h	304	CLA	CHA-CBD-CGD-O1D
27	h	304	CLA	CHA-CBD-CGD-O2D
27	m	602	CLA	CHA-CBD-CGD-O1D
27	m	602	CLA	CHA-CBD-CGD-O2D
27	e	602	CLA	CHA-CBD-CGD-O1D
27	e	603	CLA	CHA-CBD-CGD-O2D
27	f	601	CLA	CHA-CBD-CGD-O1D
27	f	604	CLA	CHA-CBD-CGD-O2D
27	f	609	CLA	CHA-CBD-CGD-O2D
27	i	304	CLA	CHA-CBD-CGD-O1D
27	i	305	CLA	CHA-CBD-CGD-O2D
27	i	308	CLA	CHA-CBD-CGD-O1D
27	j	601	CLA	CHA-CBD-CGD-O1D
27	j	601	CLA	CHA-CBD-CGD-O2D
27	j	602	CLA	CHA-CBD-CGD-O2D
27	d	301	CLA	CHA-CBD-CGD-O2D
27	g	303	CLA	CHA-CBD-CGD-O2D
27	n	602	CLA	CHA-CBD-CGD-O2D
27	n	607	CLA	CHA-CBD-CGD-O2D
30	l	316	WVN	C32-C36-C39-C40
30	l	316	WVN	C34-C37-C40-C39
37	c	610	KC2	CHA-CBD-CGD-O1D
37	c	610	KC2	CHA-CBD-CGD-O2D
37	l	311	KC2	CHA-CBD-CGD-O1D
37	k	312	KC2	CHA-CBD-CGD-O1D
37	d	309	KC2	CHA-CBD-CGD-O2D
37	g	312	KC2	CHA-CBD-CGD-O2D
37	n	612	KC2	CHA-CBD-CGD-O1D
27	B	826	CLA	CAA-CBA-CGA-O2A
27	B	835	CLA	CAA-CBA-CGA-O2A
27	h	303	CLA	CAA-CBA-CGA-O2A
27	i	311	CLA	CAA-CBA-CGA-O2A
27	c	609	CLA	CAA-CBA-CGA-O2A
27	B	838	CLA	CAA-CBA-CGA-O2A
27	c	606	CLA	CAA-CBA-CGA-O2A
27	m	604	CLA	CAA-CBA-CGA-O2A
29	b	618	LHG	O7-C7-C8-C9

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
29	J	107	LHG	O7-C5-C6-O8
34	c	619	LMG	C4-C5-C6-O5
27	A	839	CLA	C13-C15-C16-C17
27	l	310	CLA	C8-C10-C11-C12
27	A	824	CLA	CAA-CBA-CGA-O2A
27	A	836	CLA	CAA-CBA-CGA-O2A
27	h	308	CLA	CAA-CBA-CGA-O2A
27	l	309	CLA	CAA-CBA-CGA-O2A
29	j	617	LHG	O8-C23-C24-C25
29	g	301	LHG	O1-C1-C2-O2
27	A	842	CLA	C5-C6-C7-C8
34	c	619	LMG	C17-C18-C19-C20
29	d	315	LHG	C7-C8-C9-C10
27	B	849	CLA	CAA-CBA-CGA-O2A
27	m	607	CLA	CAA-CBA-CGA-O2A
27	j	604	CLA	C4C-C3C-CAC-CBC
27	A	802	CLA	C11-C10-C8-C7
27	A	839	CLA	C2-C3-C5-C6
27	A	842	CLA	C11-C10-C8-C7
27	B	804	CLA	C11-C10-C8-C7
27	B	812	CLA	C11-C10-C8-C7
27	c	608	CLA	C6-C7-C8-C10
27	c	612	CLA	C12-C13-C15-C16
27	a	311	CLA	C6-C7-C8-C10
27	f	609	CLA	C6-C7-C8-C10
27	B	801	CLA	C16-C17-C18-C19
35	e	612	II0	C09-C21-C23-C25
35	l	302	II0	C09-C21-C23-C25
35	l	317	II0	C10-C22-C24-C26
34	O	205	LMG	O6-C1-O1-C7
27	O	206	CLA	CAA-CBA-CGA-O2A
27	e	603	CLA	CAA-CBA-CGA-O2A
27	e	607	CLA	CAA-CBA-CGA-O2A
27	k	309	CLA	CAA-CBA-CGA-O2A
29	b	618	LHG	C11-C12-C13-C14
27	a	306	CLA	C11-C10-C8-C9
27	a	311	CLA	C6-C7-C8-C9
27	h	313	CLA	C11-C10-C8-C9
27	h	313	CLA	C14-C13-C15-C16
27	m	603	CLA	C14-C13-C15-C16
27	m	606	CLA	C6-C7-C8-C9
27	l	304	CLA	C11-C12-C13-C14

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	k	308	CLA	C14-C13-C15-C16
27	f	602	CLA	C11-C12-C13-C14
27	g	305	CLA	C11-C12-C13-C14
27	B	804	CLA	CAA-CBA-CGA-O1A
35	e	616	II0	C25-C29-C31-C33
27	j	604	CLA	O1A-CGA-O2A-C1
27	c	612	CLA	CBA-CGA-O2A-C1
27	c	608	CLA	CAA-CBA-CGA-O2A
37	l	311	KC2	CAA-CBA-CGA-O1A
27	B	823	CLA	C16-C17-C18-C19
27	B	834	CLA	O1A-CGA-O2A-C1
27	h	308	CLA	O1A-CGA-O2A-C1
27	j	609	CLA	C2A-CAA-CBA-CGA
27	A	809	CLA	C11-C10-C8-C9
29	f	619	LHG	C25-C26-C27-C28
34	L	208	LMG	C23-C24-C25-C26
27	A	810	CLA	CBA-CGA-O2A-C1
27	B	832	CLA	CBA-CGA-O2A-C1
31	A	851	LMT	C5'-C4'-O1B-C1B
27	n	609	CLA	CBD-CGD-O2D-CED
27	A	812	CLA	CAA-CBA-CGA-O1A
27	c	608	CLA	CAA-CBA-CGA-O1A
27	A	825	CLA	C8-C10-C11-C12
27	g	308	CLA	C16-C17-C18-C20
29	b	617	LHG	C10-C11-C12-C13
27	B	839	CLA	C4-C3-C5-C6
27	A	853	CLA	C2-C3-C5-C6
27	B	839	CLA	C2-C3-C5-C6
27	l	308	CLA	CAA-CBA-CGA-O1A
27	g	308	CLA	CAA-CBA-CGA-O1A
29	J	107	LHG	O9-C7-C8-C9
30	F	204	WVN	C30-C33-C34-C37
27	A	819	CLA	C1A-C2A-CAA-CBA
27	A	827	CLA	C1A-C2A-CAA-CBA
27	A	829	CLA	C1A-C2A-CAA-CBA
27	B	818	CLA	C1A-C2A-CAA-CBA
27	B	822	CLA	C1A-C2A-CAA-CBA
27	B	835	CLA	C1A-C2A-CAA-CBA
27	B	839	CLA	C1A-C2A-CAA-CBA
27	c	611	CLA	C1A-C2A-CAA-CBA
27	m	603	CLA	C1A-C2A-CAA-CBA
27	e	604	CLA	C1A-C2A-CAA-CBA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	g	308	CLA	C1A-C2A-CAA-CBA
27	g	310	CLA	C1A-C2A-CAA-CBA
27	B	839	CLA	CAA-CBA-CGA-O1A
27	K	101	CLA	CAA-CBA-CGA-O1A
27	j	603	CLA	CAA-CBA-CGA-O1A
27	c	609	CLA	CAA-CBA-CGA-O1A
27	A	804	CLA	CBA-CGA-O2A-C1
27	A	816	CLA	CBA-CGA-O2A-C1
27	f	601	CLA	CBA-CGA-O2A-C1
27	A	828	CLA	CAA-CBA-CGA-O1A
27	B	803	CLA	CAA-CBA-CGA-O1A
27	O	206	CLA	CAA-CBA-CGA-O1A
27	n	610	CLA	CAA-CBA-CGA-O1A
27	A	852	CLA	CAA-CBA-CGA-O2A
27	c	612	CLA	CAA-CBA-CGA-O2A
27	g	315	CLA	CAA-CBA-CGA-O2A
34	J	106	LMG	O8-C28-C29-C30
27	j	602	CLA	C2A-CAA-CBA-CGA
37	g	314	KC2	CBD-CGD-O2D-CED
29	c	621	LHG	C3-O3-P-O6
27	h	303	CLA	CAA-CBA-CGA-O1A
29	A	845	LHG	O9-C7-C8-C9
29	f	619	LHG	O9-C7-C8-C9
29	d	315	LHG	C25-C26-C27-C28
27	B	816	CLA	O1A-CGA-O2A-C1
29	m	617	LHG	C9-C10-C11-C12
29	i	316	LHG	O8-C23-C24-C25
27	B	838	CLA	CAA-CBA-CGA-O1A
27	L	202	CLA	CAA-CBA-CGA-O1A
27	c	606	CLA	CAA-CBA-CGA-O1A
27	e	607	CLA	CAA-CBA-CGA-O1A
27	B	831	CLA	CBD-CGD-O2D-CED
27	n	601	CLA	CAA-CBA-CGA-O2A
27	m	609	CLA	C2C-C3C-CAC-CBC
29	c	621	LHG	C3-O3-P-O5
29	a	319	LHG	C3-O3-P-O5
29	b	617	LHG	C4-O6-P-O5
29	b	618	LHG	C3-O3-P-O5
29	l	318	LHG	C3-O3-P-O4
29	i	316	LHG	C4-O6-P-O5
27	A	837	CLA	C16-C17-C18-C20
27	m	604	CLA	CAA-CBA-CGA-O1A

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	e	601	CLA	CAA-CBA-CGA-O2A
36	a	317	IHT	C10-C07-C18-C22
27	B	810	CLA	C2C-C3C-CAC-CBC
27	h	306	CLA	C13-C15-C16-C17
27	B	826	CLA	CAA-CBA-CGA-O1A
27	s	203	CLA	CAA-CBA-CGA-O1A
27	c	612	CLA	CAA-CBA-CGA-O1A
27	e	603	CLA	CAA-CBA-CGA-O1A
27	i	311	CLA	CAA-CBA-CGA-O1A
27	A	833	CLA	CAA-CBA-CGA-O2A
27	j	601	CLA	CAA-CBA-CGA-O2A
27	e	606	CLA	C10-C11-C12-C13
27	A	842	CLA	C16-C17-C18-C19
27	m	607	CLA	C16-C17-C18-C19
27	j	604	CLA	CAA-CBA-CGA-O1A
27	g	307	CLA	CAA-CBA-CGA-O1A
27	h	306	CLA	C5-C6-C7-C8
29	c	621	LHG	C11-C10-C9-C8
27	B	829	CLA	CAA-CBA-CGA-O2A
27	B	831	CLA	O1D-CGD-O2D-CED
27	l	312	CLA	C15-C16-C17-C18
27	j	604	CLA	C2C-C3C-CAC-CBC
27	e	601	CLA	CAA-CBA-CGA-O1A
27	A	809	CLA	CAD-CBD-CGD-O1D
27	A	812	CLA	CAD-CBD-CGD-O1D
27	B	805	CLA	CAD-CBD-CGD-O1D
27	B	825	CLA	CAD-CBD-CGD-O1D
27	B	831	CLA	CAD-CBD-CGD-O1D
27	B	832	CLA	CAD-CBD-CGD-O1D
27	s	202	CLA	CAD-CBD-CGD-O1D
27	c	601	CLA	C2-C3-C5-C6
27	c	603	CLA	CAD-CBD-CGD-O1D
27	c	607	CLA	CAD-CBD-CGD-O1D
27	b	601	CLA	C2-C3-C5-C6
27	f	603	CLA	C2-C3-C5-C6
27	n	609	CLA	CAD-CBD-CGD-O1D
27	n	613	CLA	C2-C3-C5-C6
27	A	836	CLA	CAA-CBA-CGA-O1A
27	B	835	CLA	CAA-CBA-CGA-O1A
27	B	849	CLA	CAA-CBA-CGA-O1A
27	f	603	CLA	CAA-CBA-CGA-O1A
34	s	210	LMG	C14-C15-C16-C17

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
34	c	619	LMG	C13-C14-C15-C16
27	A	839	CLA	CAA-CBA-CGA-O2A
27	e	604	CLA	CAA-CBA-CGA-O2A
27	f	603	CLA	CAA-CBA-CGA-O2A
27	b	603	CLA	C13-C15-C16-C17
27	A	804	CLA	C14-C13-C15-C16
27	A	826	CLA	C14-C13-C15-C16
27	B	803	CLA	C11-C10-C8-C9
27	F	201	CLA	C6-C7-C8-C9
27	b	607	CLA	C11-C10-C8-C9
27	m	606	CLA	C11-C10-C8-C9
27	e	611	CLA	C11-C12-C13-C14
27	m	609	CLA	O1D-CGD-O2D-CED
27	b	603	CLA	CBD-CGD-O2D-CED
27	i	307	CLA	C14-C13-C15-C16
27	A	836	CLA	C8-C10-C11-C12
27	A	855	CLA	C10-C11-C12-C13
27	a	303	CLA	CAA-CBA-CGA-O2A
27	a	306	CLA	CAA-CBA-CGA-O2A
27	d	302	CLA	CAA-CBA-CGA-O2A
29	c	618	LHG	O7-C7-C8-C9
29	m	617	LHG	C31-C32-C33-C34
27	F	201	CLA	C8-C10-C11-C12
34	c	619	LMG	C40-C41-C42-C43
27	B	808	CLA	O1A-CGA-O2A-C1
27	h	308	CLA	CAA-CBA-CGA-O1A
27	c	605	CLA	CAA-CBA-CGA-O2A
27	m	609	CLA	CAA-CBA-CGA-O2A
27	n	604	CLA	CAA-CBA-CGA-O2A
27	b	611	CLA	C15-C16-C17-C18
27	m	607	CLA	CAA-CBA-CGA-O1A
27	m	609	CLA	CAA-CBA-CGA-O1A
27	g	315	CLA	CAA-CBA-CGA-O1A
34	J	106	LMG	O10-C28-C29-C30
27	a	303	CLA	C4-C3-C5-C6
27	m	606	CLA	C15-C16-C17-C18
29	c	618	LHG	C27-C28-C29-C30
27	B	810	CLA	C11-C12-C13-C15
27	B	822	CLA	C3A-C2A-CAA-CBA
27	F	202	CLA	C2-C3-C5-C6
27	O	202	CLA	C12-C13-C15-C16
27	s	206	CLA	C2-C3-C5-C6

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	b	607	CLA	C11-C10-C8-C7
27	b	610	CLA	C3A-C2A-CAA-CBA
27	l	304	CLA	C11-C12-C13-C15
27	f	604	CLA	C12-C13-C15-C16
27	i	307	CLA	C11-C12-C13-C15
27	j	604	CLA	C12-C13-C15-C16
27	d	311	CLA	C3A-C2A-CAA-CBA
27	g	305	CLA	C12-C13-C15-C16
27	g	308	CLA	C6-C7-C8-C10
27	R	203	CLA	C3A-C2A-CAA-CBA
30	A	848	WVN	C05-C02-C11-C19
27	A	852	CLA	CAA-CBA-CGA-O1A
27	e	604	CLA	CAA-CBA-CGA-O1A
27	l	309	CLA	CAA-CBA-CGA-O1A
27	d	302	CLA	CAA-CBA-CGA-O1A
27	L	204	CLA	CAA-CBA-CGA-O2A
27	e	608	CLA	CAA-CBA-CGA-O2A
27	e	611	CLA	CAA-CBA-CGA-O2A
27	f	601	CLA	CAA-CBA-CGA-O2A
29	A	844	LHG	O7-C7-C8-C9
29	A	850	LHG	C23-C24-C25-C26
30	B	845	WVN	C29-C31-C32-C36
30	s	205	WVN	C20-C23-C25-C28
35	b	612	II0	C31-C33-C35-C39
35	b	613	II0	C32-C34-C36-C40
36	g	319	IHT	C31-C34-C35-C38
29	j	617	LHG	O10-C23-C24-C25
30	O	201	WVN	C22-C26-C29-C31
35	e	614	II0	C25-C29-C31-C33
36	n	617	IHT	C33-C37-C40-C41
27	A	808	CLA	CAA-CBA-CGA-O2A
27	h	307	CLA	CAA-CBA-CGA-O2A
34	s	210	LMG	C16-C17-C18-C19
27	e	604	CLA	O1A-CGA-O2A-C1
27	A	810	CLA	C10-C11-C12-C13
27	A	811	CLA	CAA-CBA-CGA-O2A
27	h	302	CLA	CAA-CBA-CGA-O2A
27	c	605	CLA	CAA-CBA-CGA-O1A
27	k	309	CLA	CAA-CBA-CGA-O1A
29	b	618	LHG	O9-C7-C8-C9
27	m	607	CLA	CBA-CGA-O2A-C1
27	A	833	CLA	CAA-CBA-CGA-O1A

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
27	A	839	CLA	CAA-CBA-CGA-O1A
27	A	824	CLA	C4-C3-C5-C6
27	h	313	CLA	C4-C3-C5-C6
28	A	843	PQN	C14-C13-C15-C16
27	B	818	CLA	CAA-CBA-CGA-O2A
27	s	206	CLA	CAA-CBA-CGA-O2A
27	k	303	CLA	CAA-CBA-CGA-O2A

There are no ring outliers.

87 monomers are involved in 167 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
27	O	202	CLA	2	0
27	A	823	CLA	1	0
27	B	801	CLA	4	0
27	L	202	CLA	1	0
27	B	812	CLA	1	0
27	A	856	CLA	1	0
27	A	822	CLA	1	0
27	B	833	CLA	1	0
29	A	844	LHG	1	0
27	A	824	CLA	3	0
33	B	842	DGD	2	0
27	B	835	CLA	5	0
27	A	804	CLA	2	0
27	A	814	CLA	1	0
27	A	855	CLA	5	0
27	A	803	CLA	1	0
27	B	834	CLA	4	0
27	B	829	CLA	3	0
27	L	203	CLA	2	0
27	A	852	CLA	5	0
27	B	816	CLA	3	0
27	B	802	CLA	3	0
27	F	201	CLA	1	0
27	A	836	CLA	2	0
27	B	831	CLA	2	0
27	B	809	CLA	2	0
27	B	805	CLA	1	0
27	B	838	CLA	5	0
27	A	816	CLA	1	0
27	A	811	CLA	2	0

Continued on next page...

Continued from previous page...

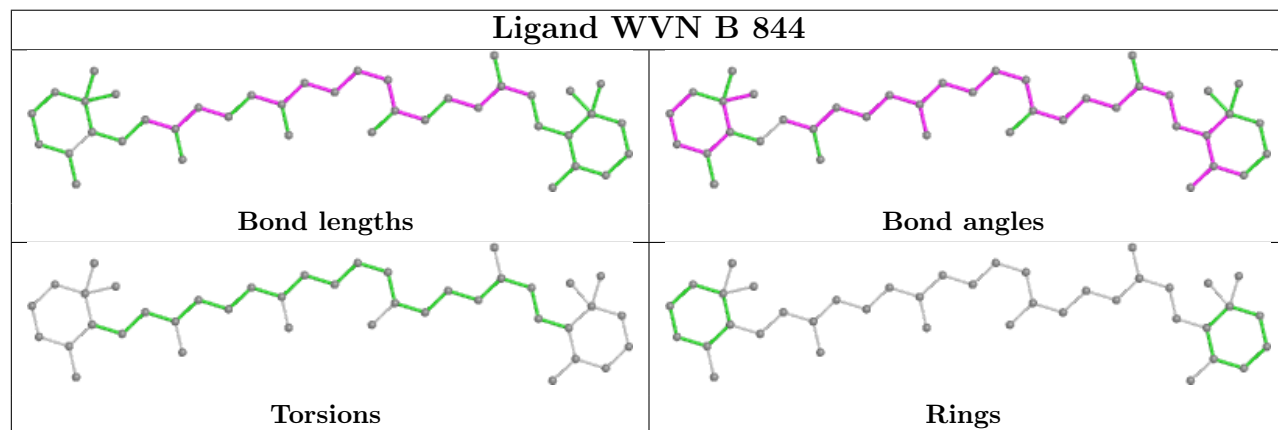
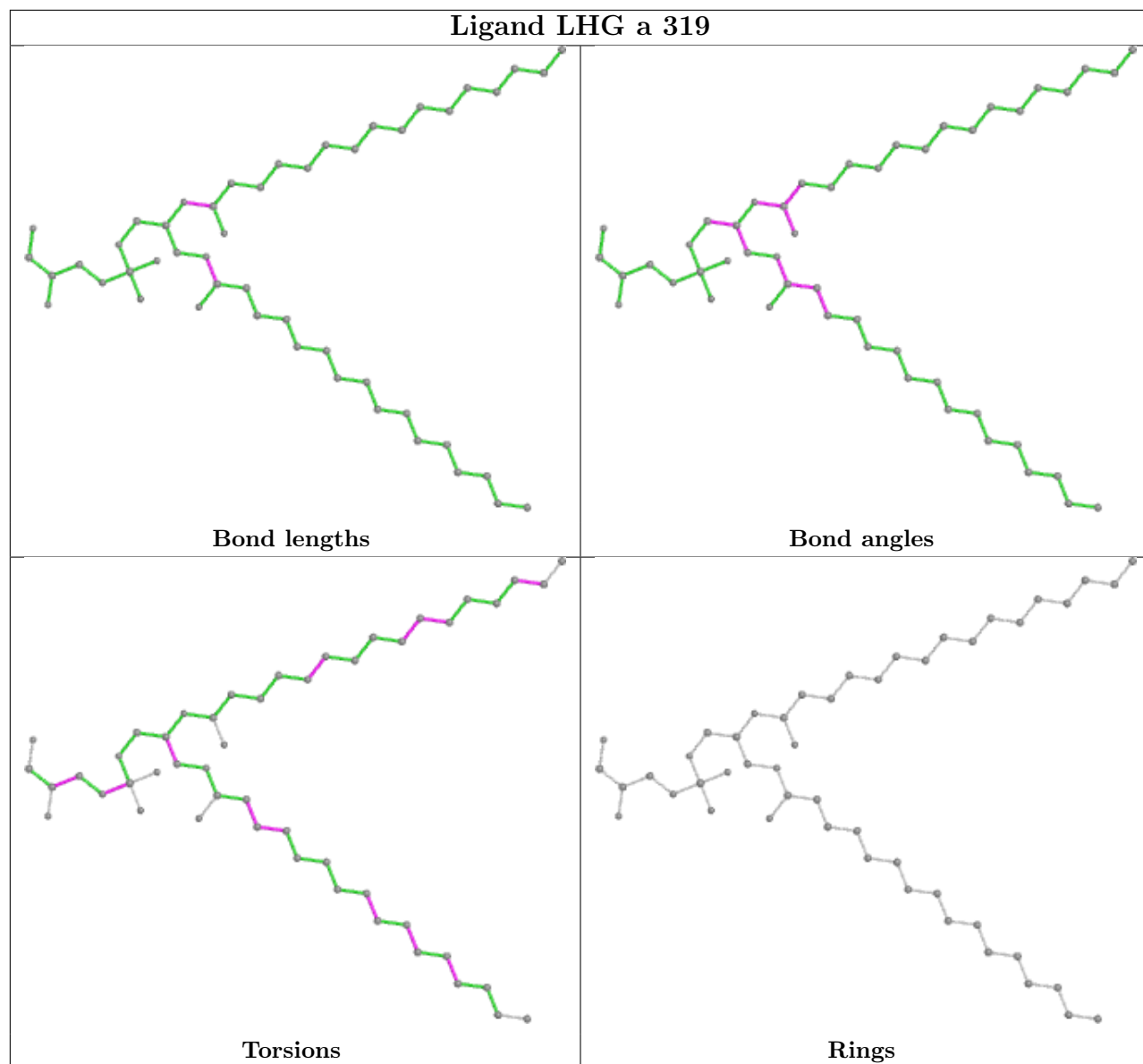
Mol	Chain	Res	Type	Clashes	Symm-Clashes
27	A	812	CLA	1	0
27	B	826	CLA	1	0
29	A	850	LHG	4	0
32	A	854	SF4	5	0
27	A	827	CLA	3	0
27	A	837	CLA	5	0
27	B	849	CLA	1	0
27	F	202	CLA	3	0
29	J	107	LHG	6	0
27	A	840	CLA	2	0
27	A	820	CLA	3	0
27	A	818	CLA	3	0
31	A	851	LMT	1	0
27	A	853	CLA	2	0
27	A	805	CLA	2	0
34	F	206	LMG	1	0
27	A	828	CLA	2	0
27	B	814	CLA	3	0
27	A	842	CLA	5	0
27	A	826	CLA	2	0
27	B	837	CLA	1	0
29	L	207	LHG	2	0
27	J	105	CLA	1	0
27	A	835	CLA	2	0
28	B	841	PQN	1	0
27	A	807	CLA	2	0
27	B	815	CLA	1	0
27	A	802	CLA	6	0
34	J	106	LMG	2	0
27	A	808	CLA	3	0
27	A	831	CLA	2	0
28	A	843	PQN	2	0
27	B	821	CLA	2	0
27	B	820	CLA	5	0
27	B	810	CLA	1	0
27	A	815	CLA	1	0
27	A	829	CLA	4	0
27	B	836	CLA	4	0
27	A	821	CLA	1	0
27	A	809	CLA	3	0
27	A	841	CLA	1	0
27	B	830	CLA	3	0

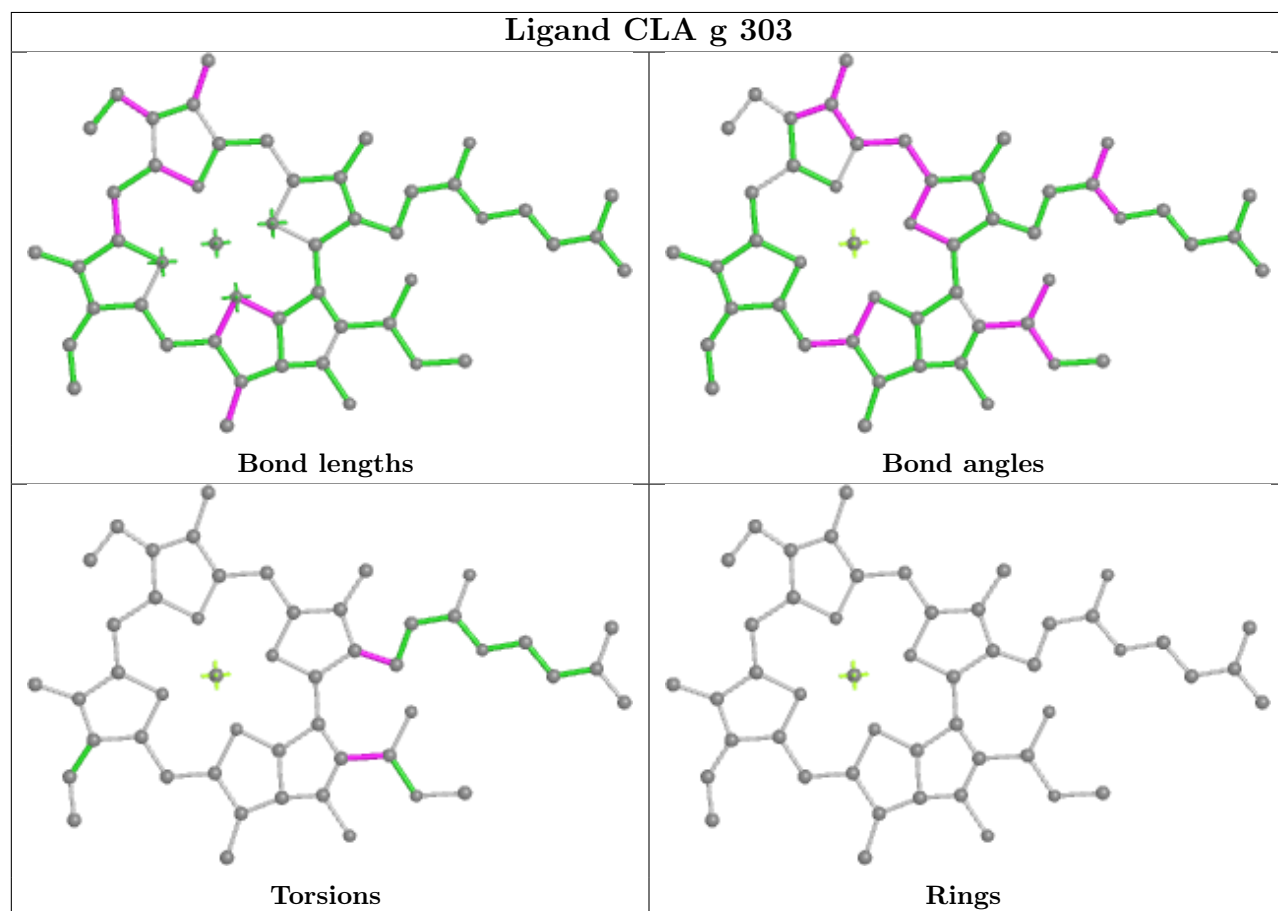
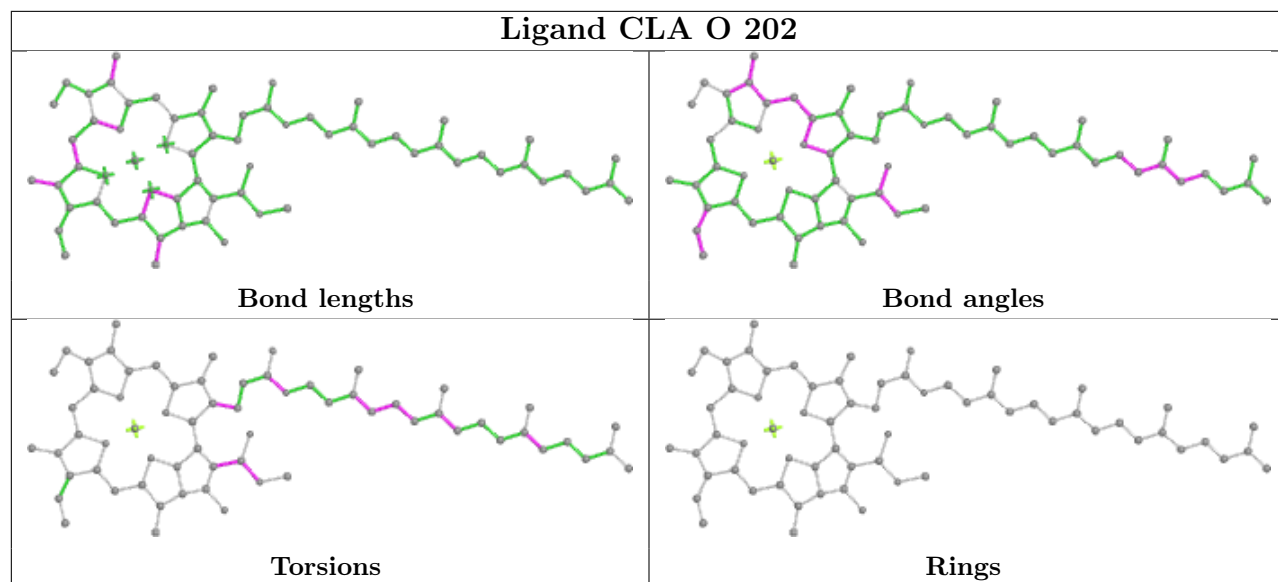
Continued on next page...

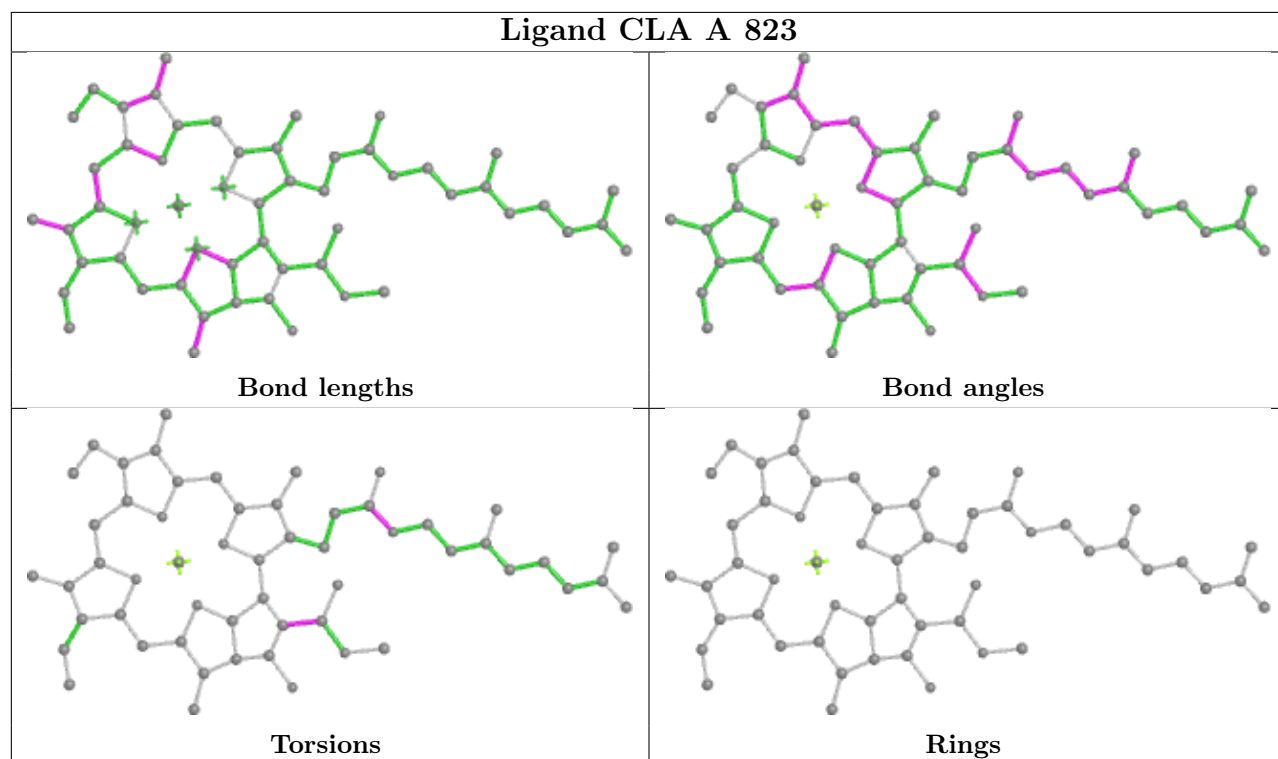
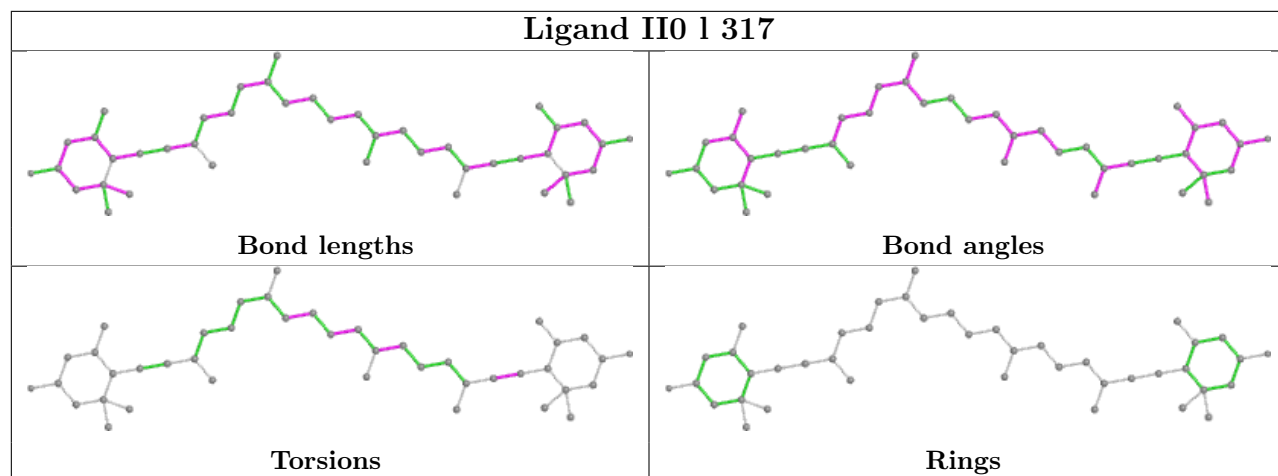
Continued from previous page...

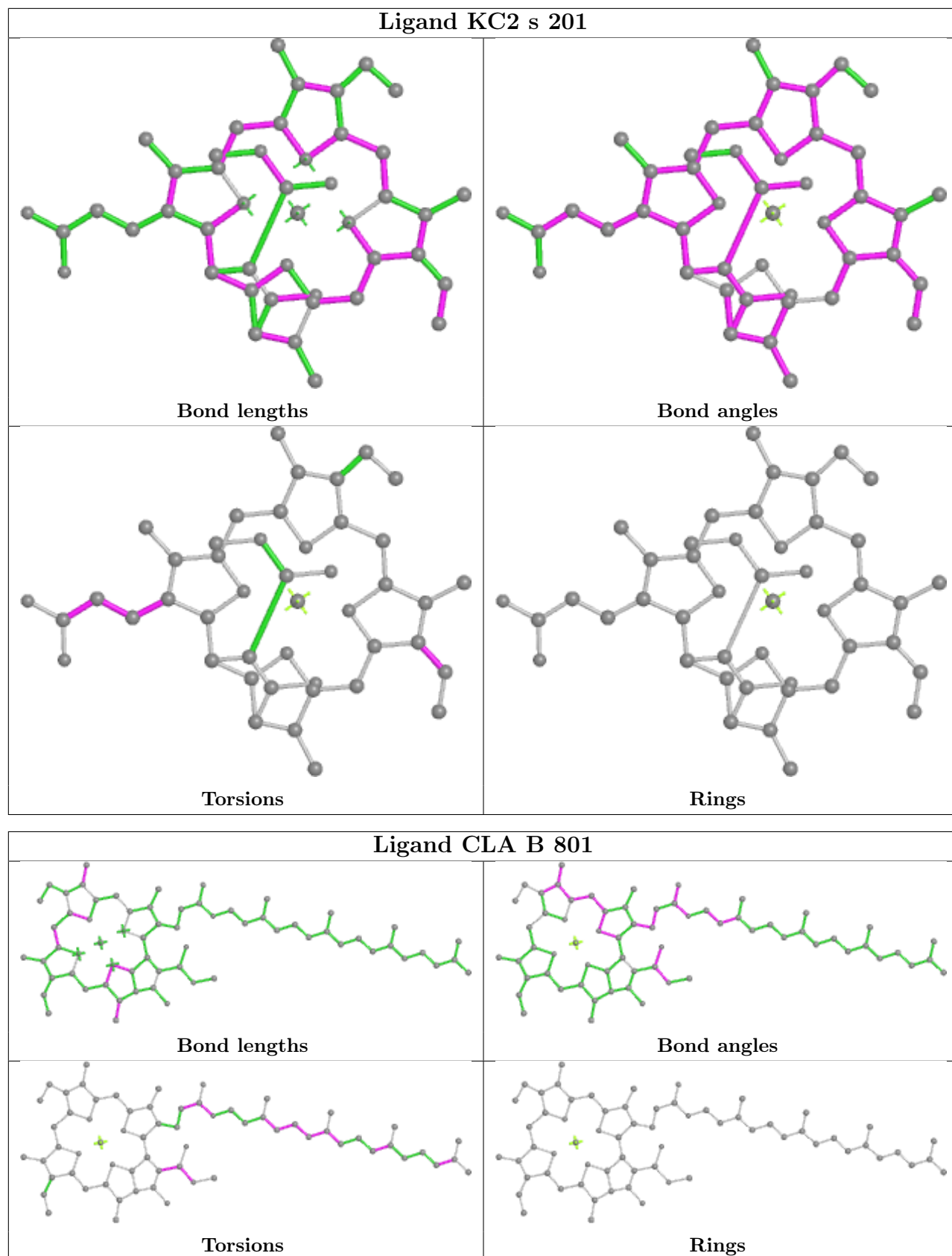
Mol	Chain	Res	Type	Clashes	Symm-Clashes
27	B	822	CLA	2	0
27	A	838	CLA	2	0
27	A	830	CLA	2	0
27	A	839	CLA	9	0
27	A	810	CLA	1	0
27	B	804	CLA	3	0
27	A	832	CLA	1	0
27	B	840	CLA	2	0
27	B	825	CLA	1	0
27	B	803	CLA	3	0
27	A	801	CLA	4	0
27	B	824	CLA	1	0
27	F	203	CLA	1	0
27	A	806	CLA	1	0
27	A	817	CLA	2	0

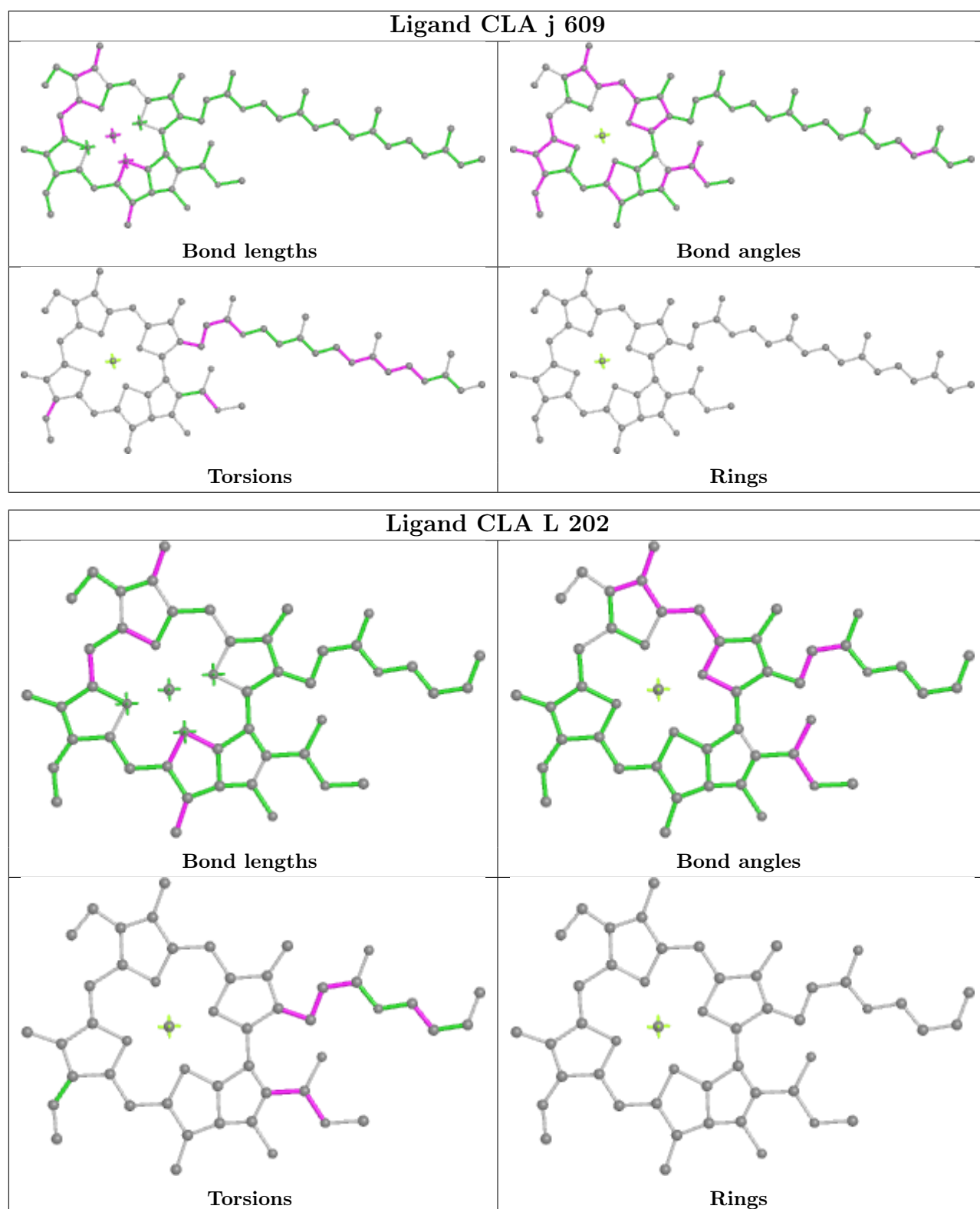
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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

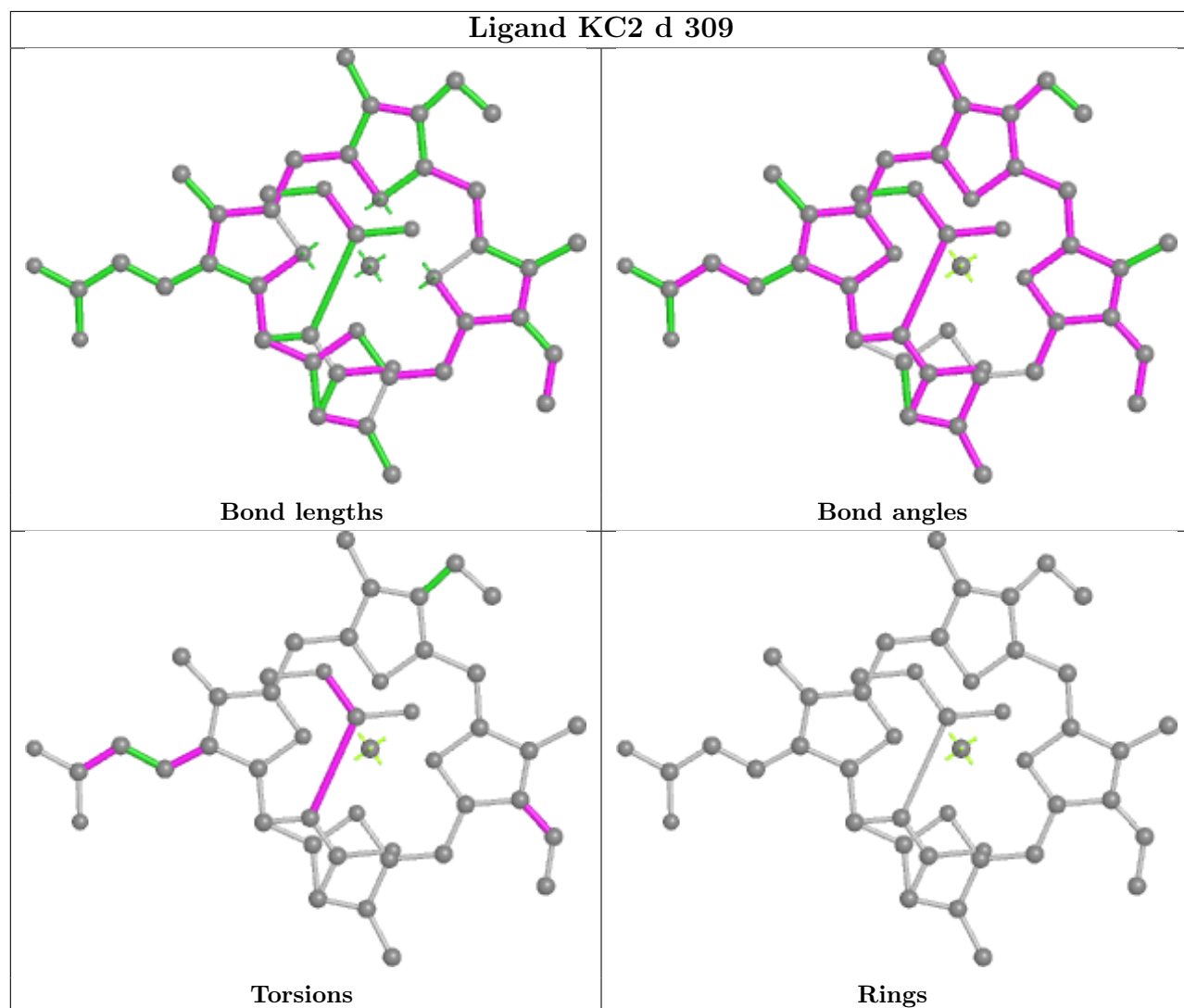
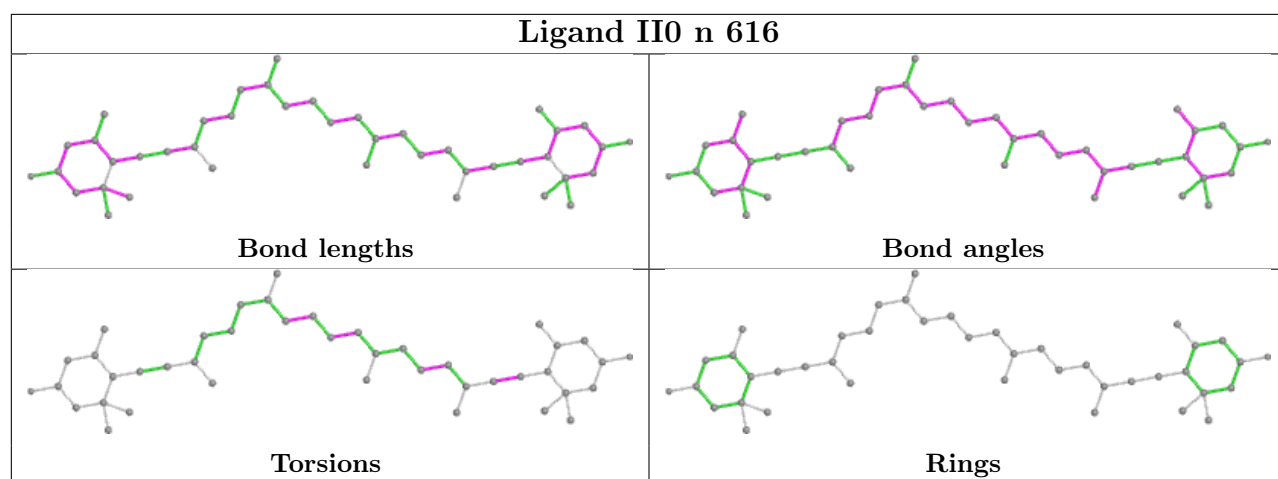


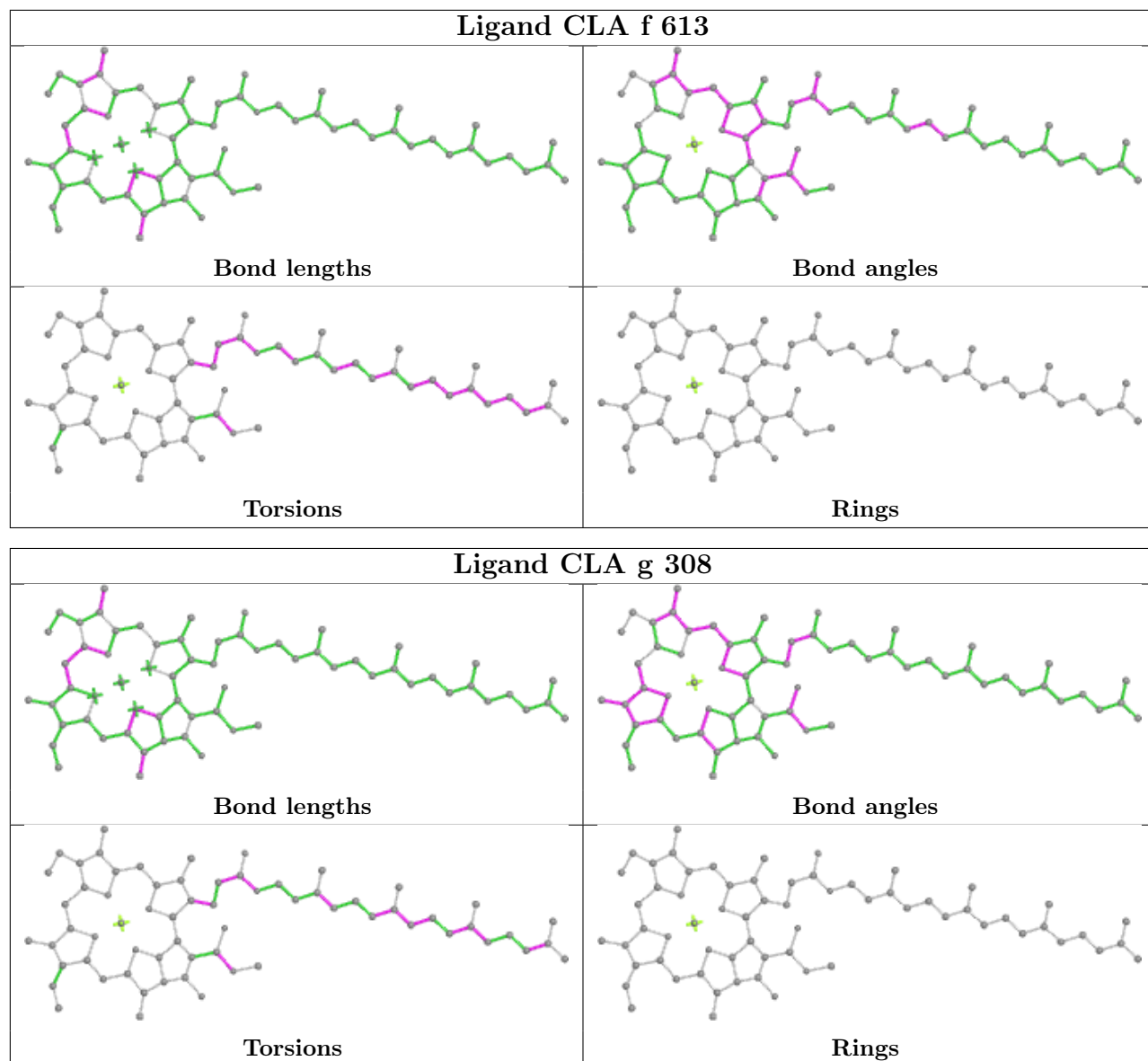


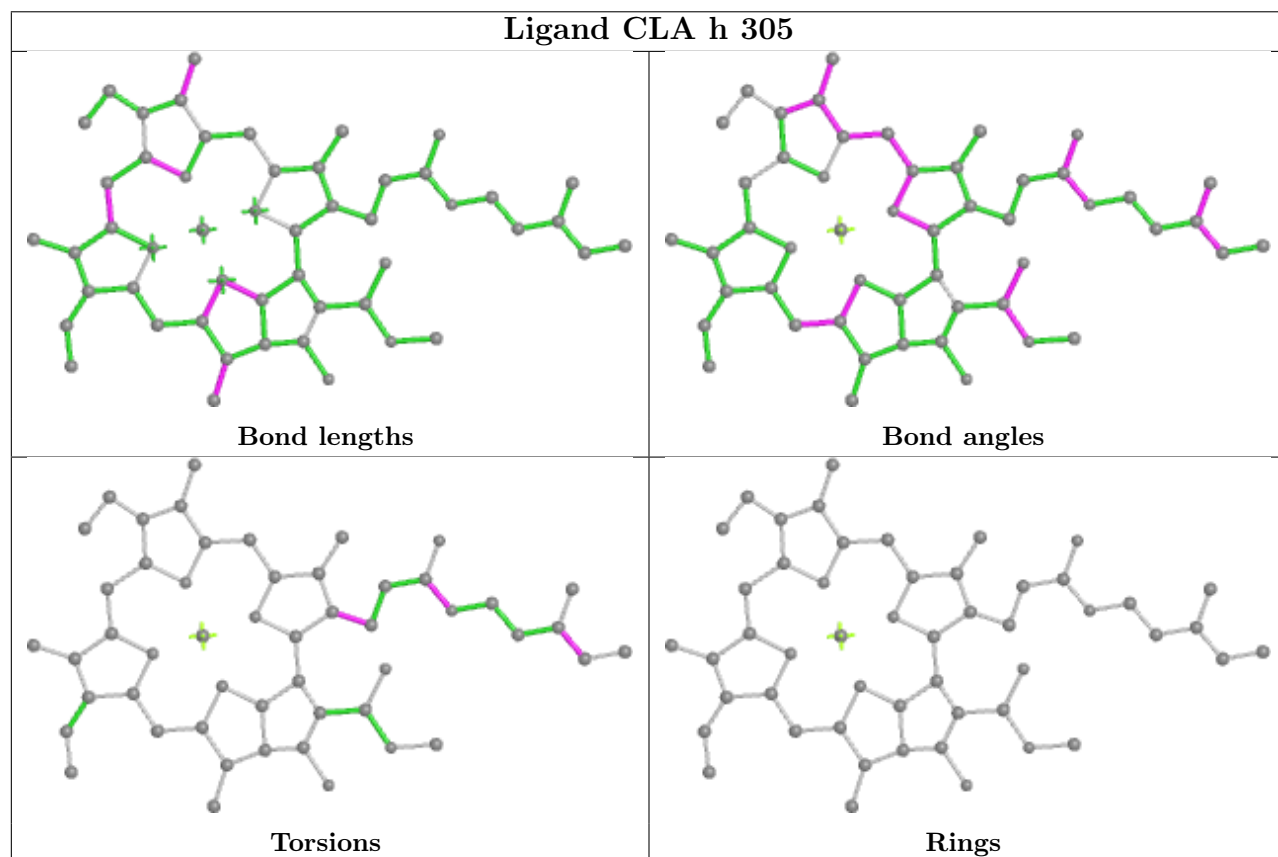
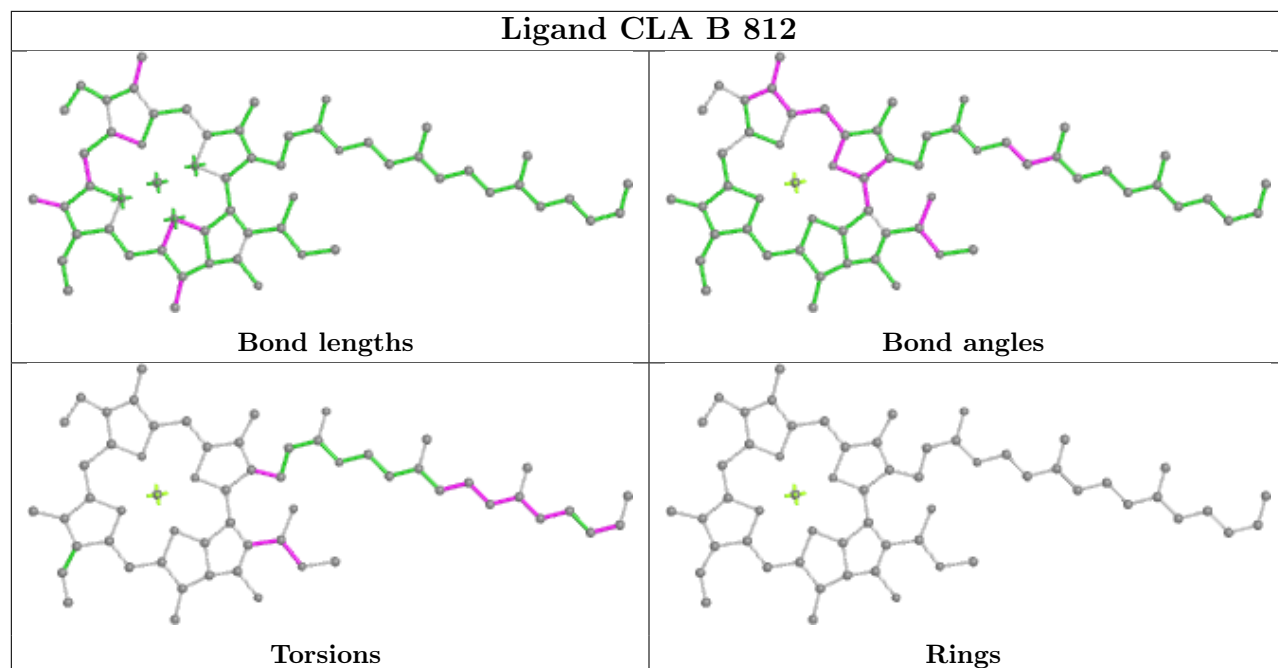


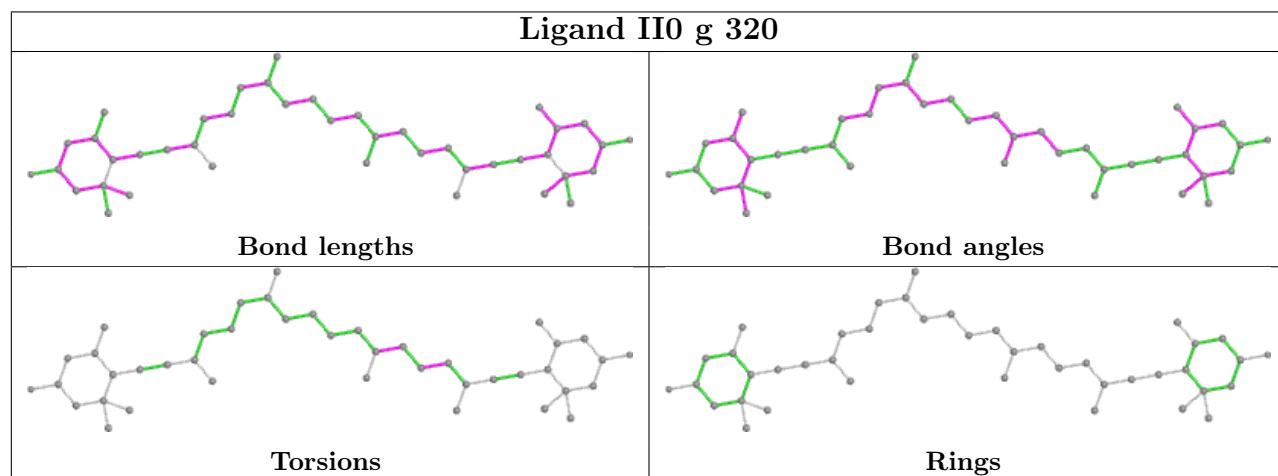
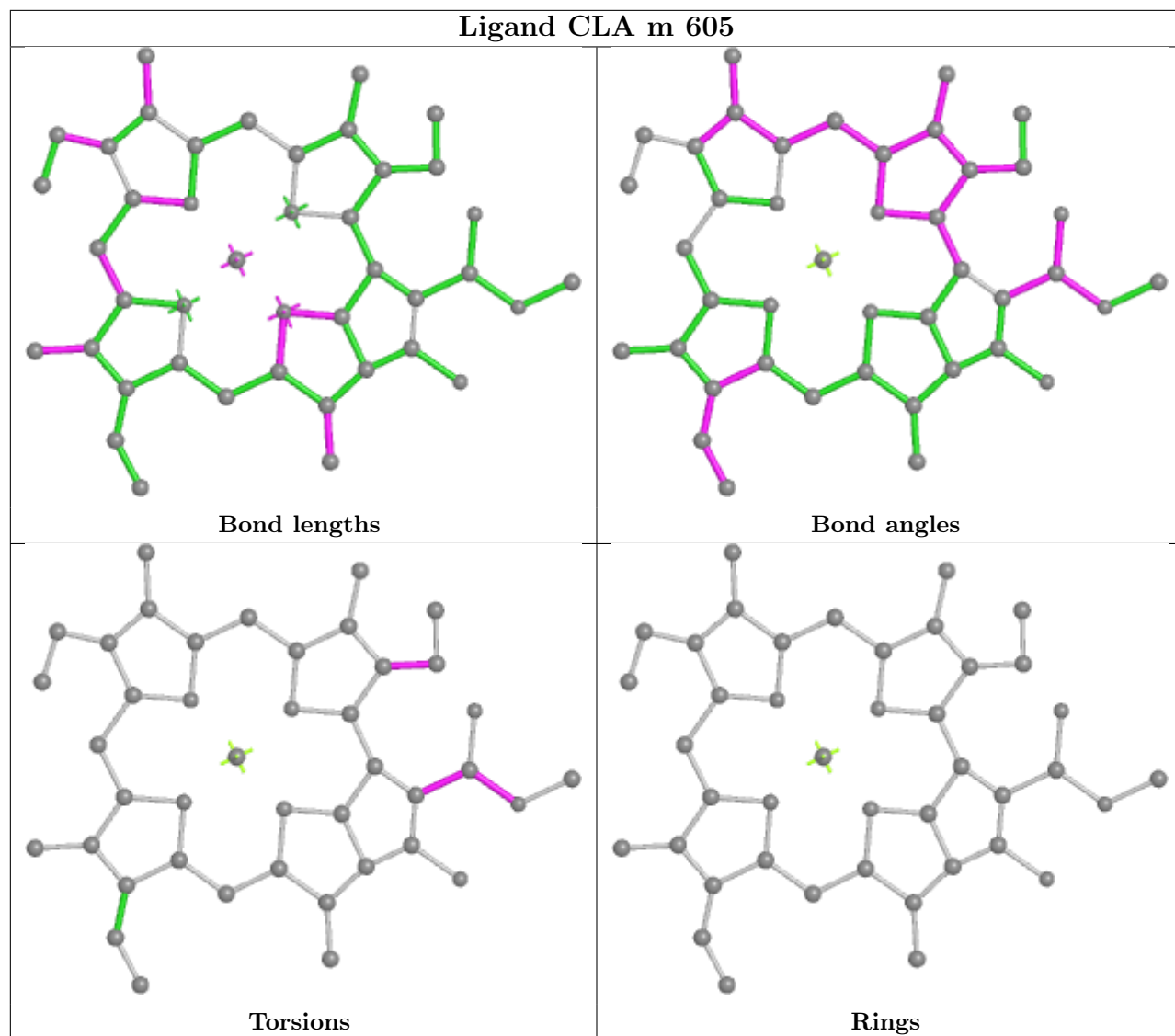


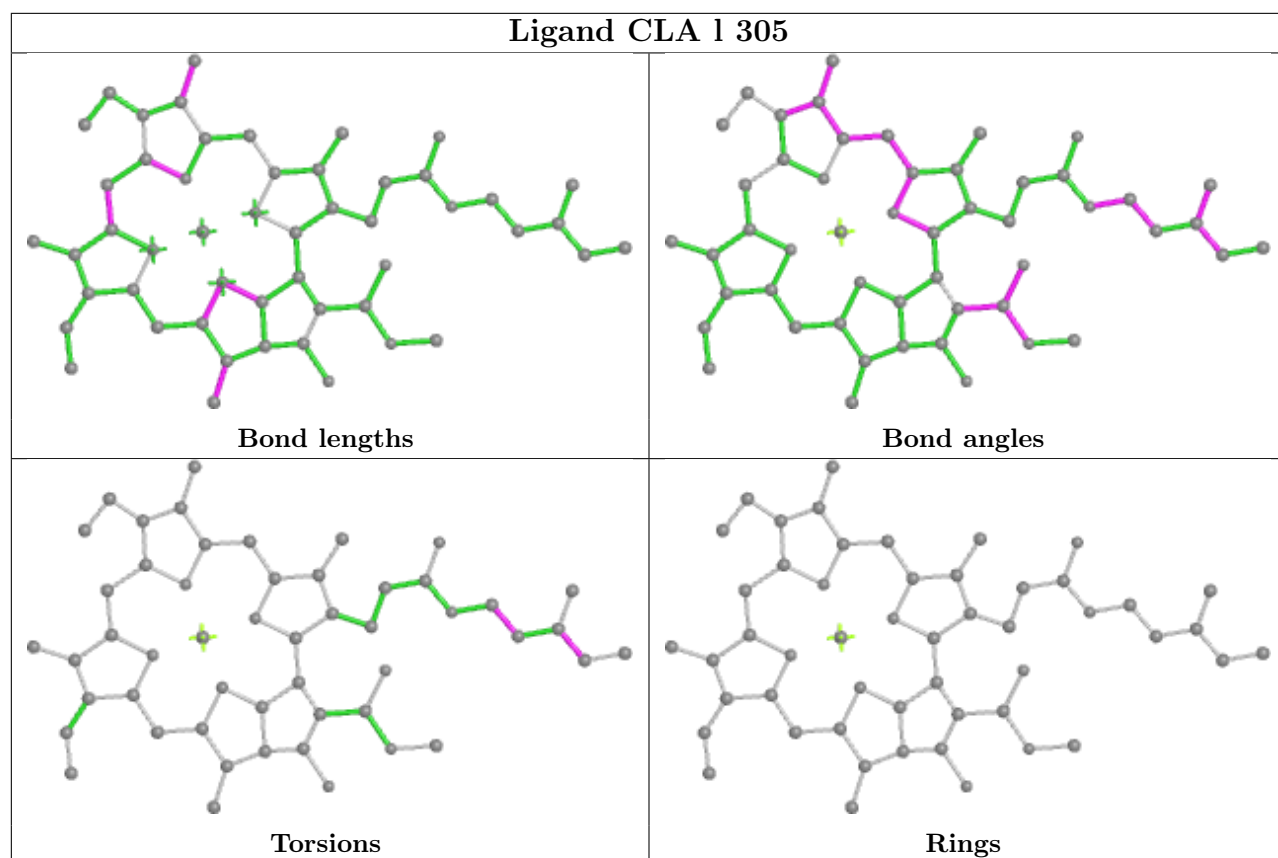
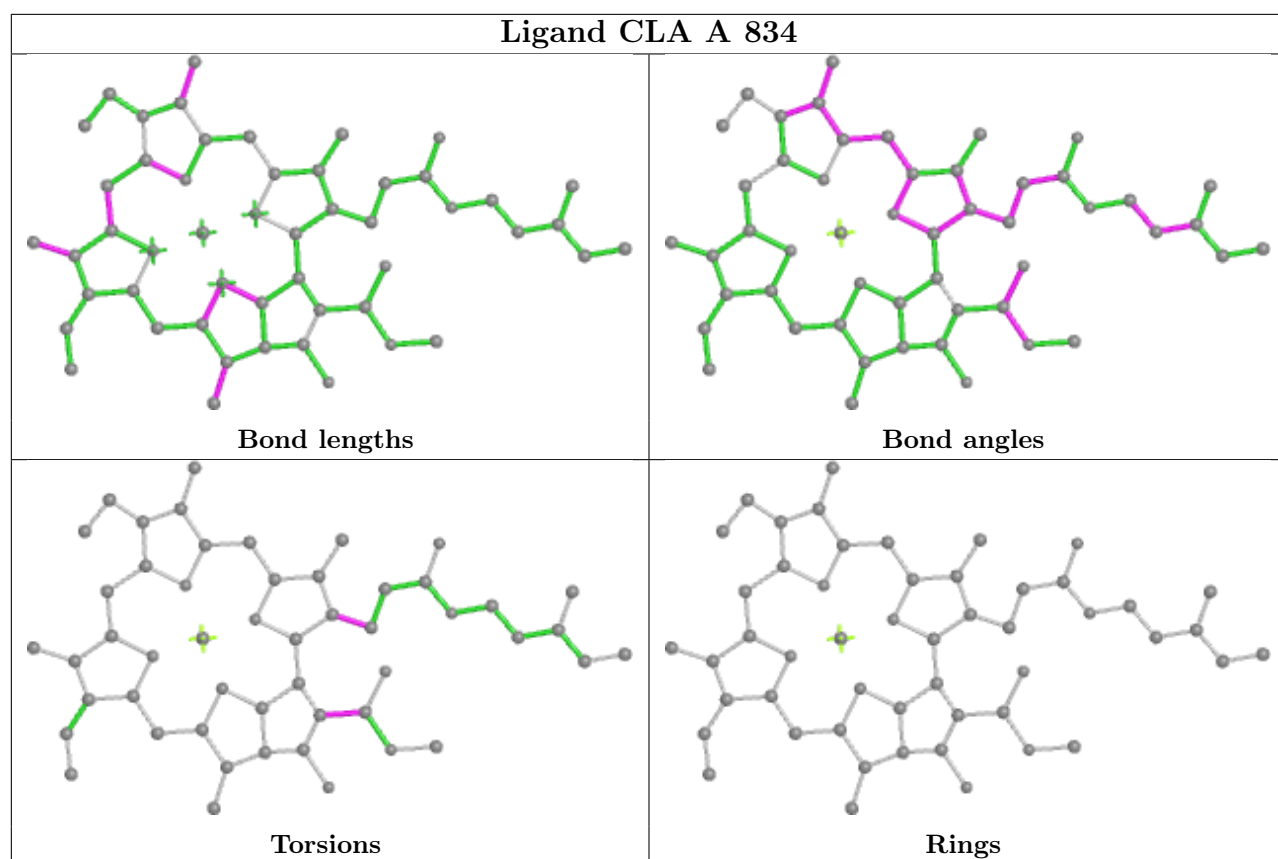


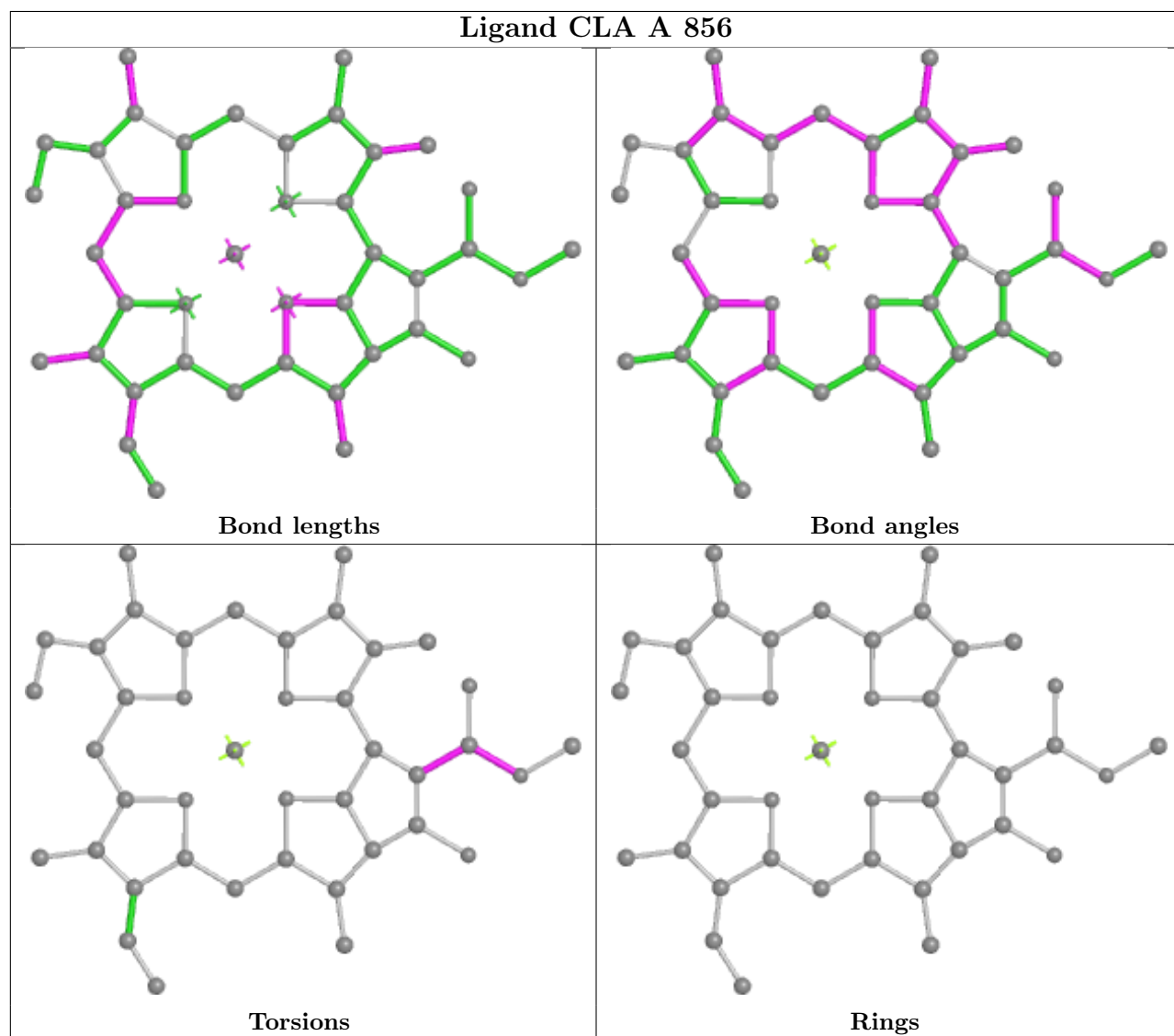
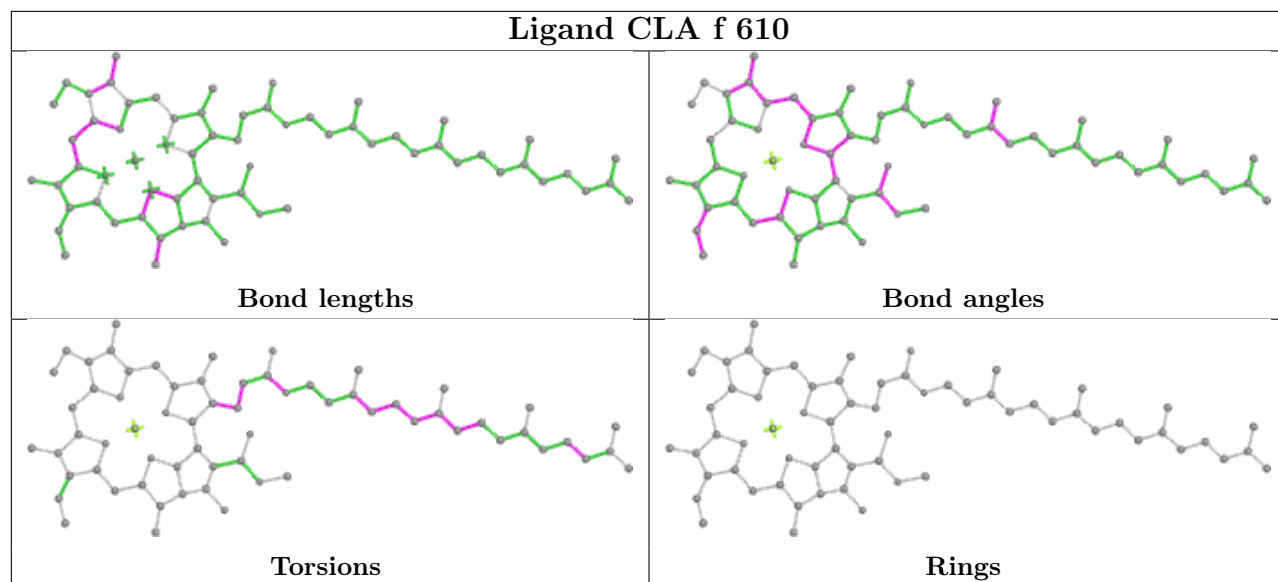


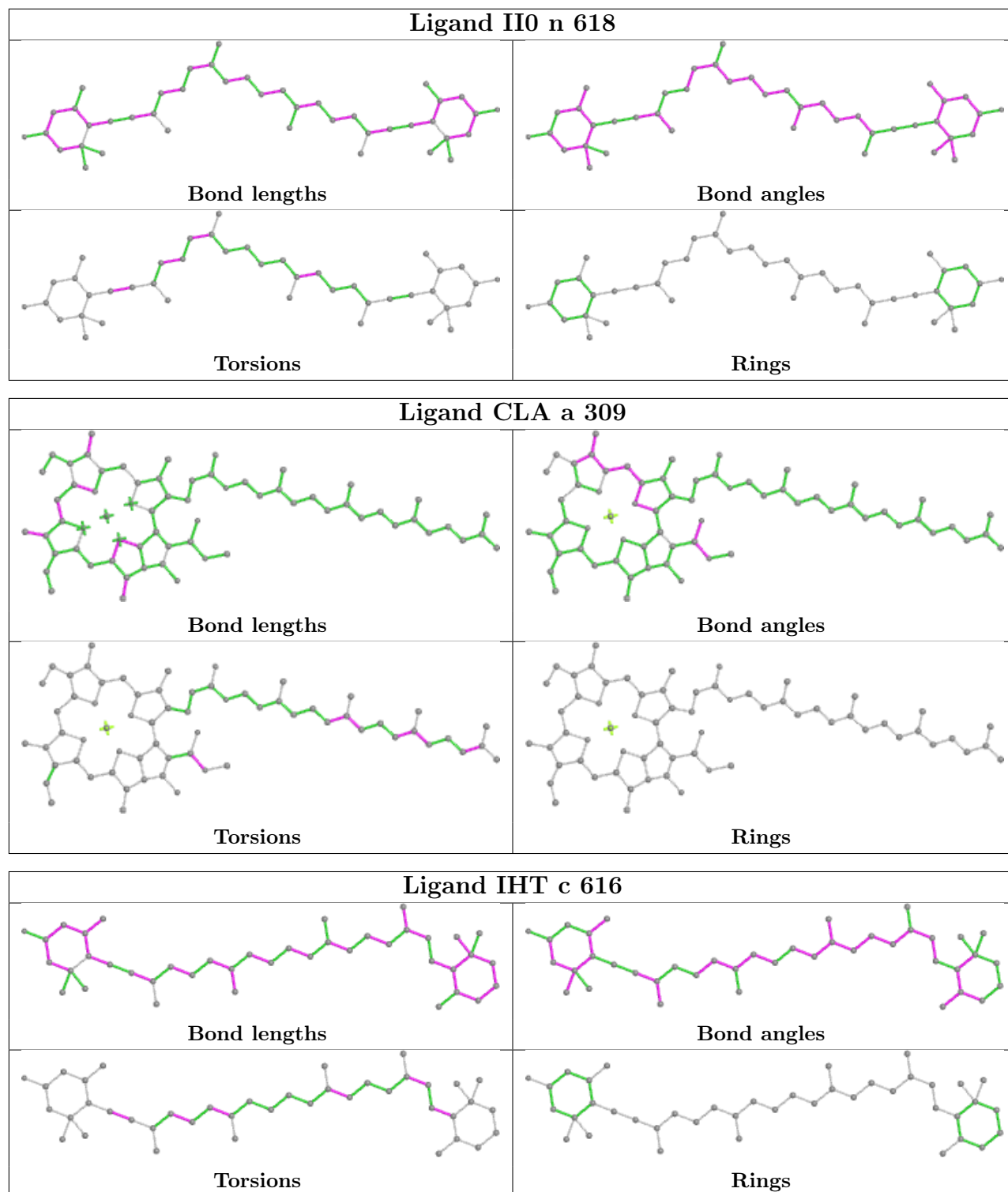


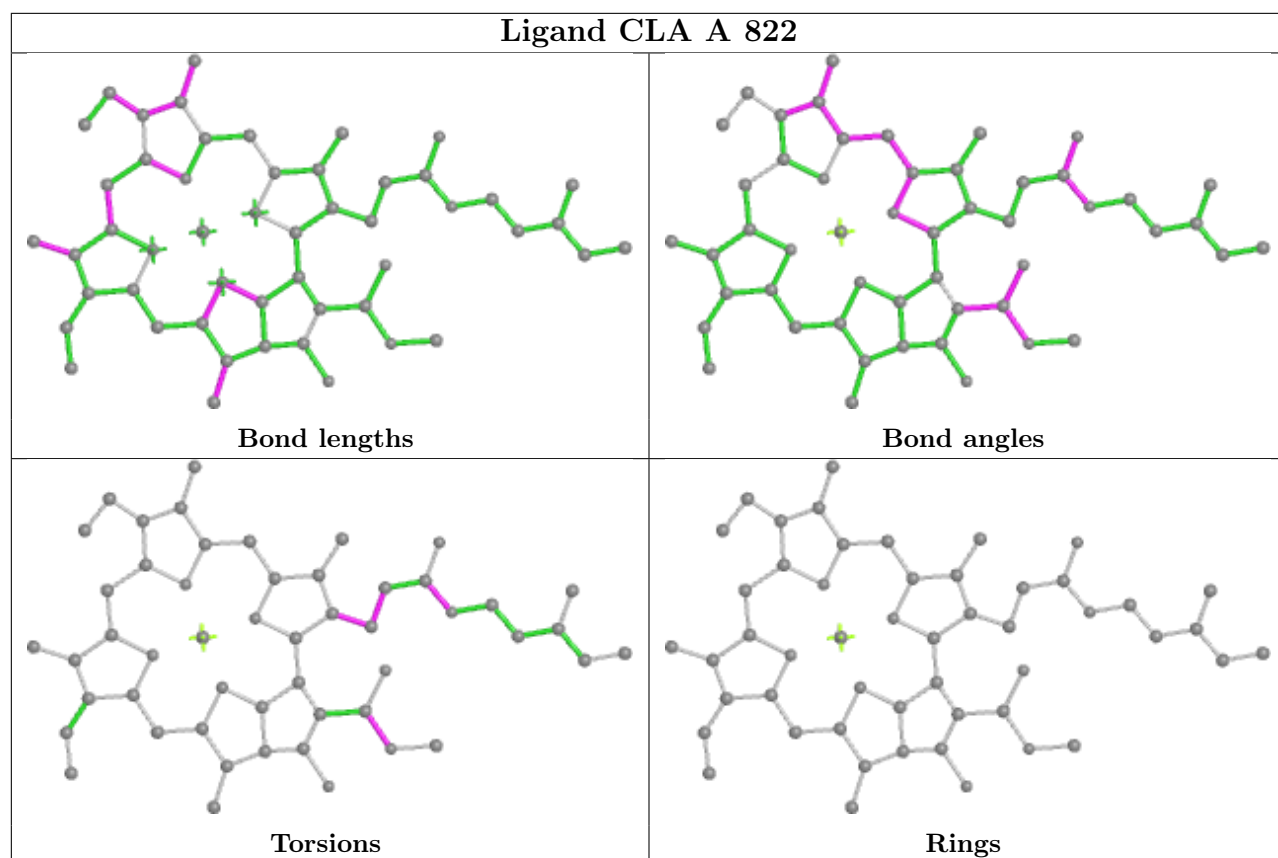
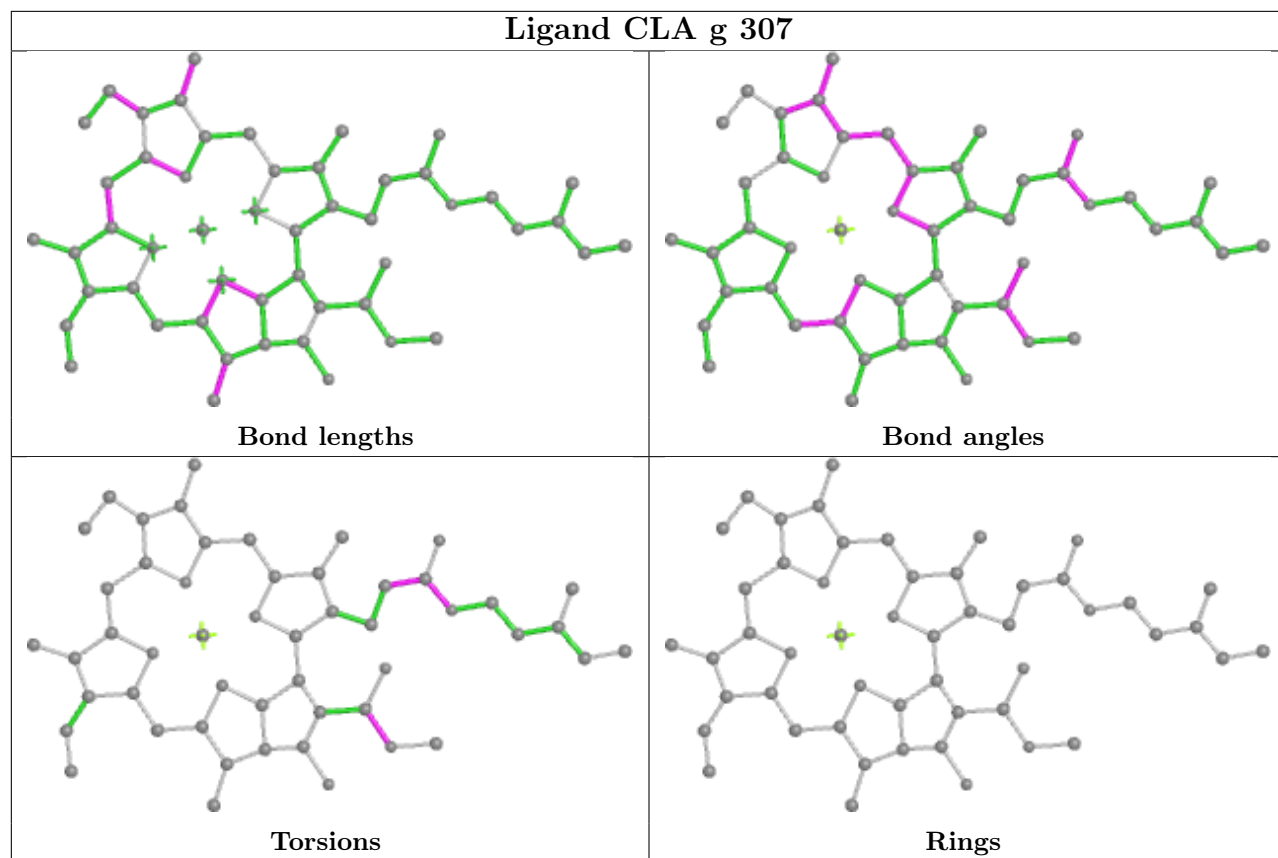


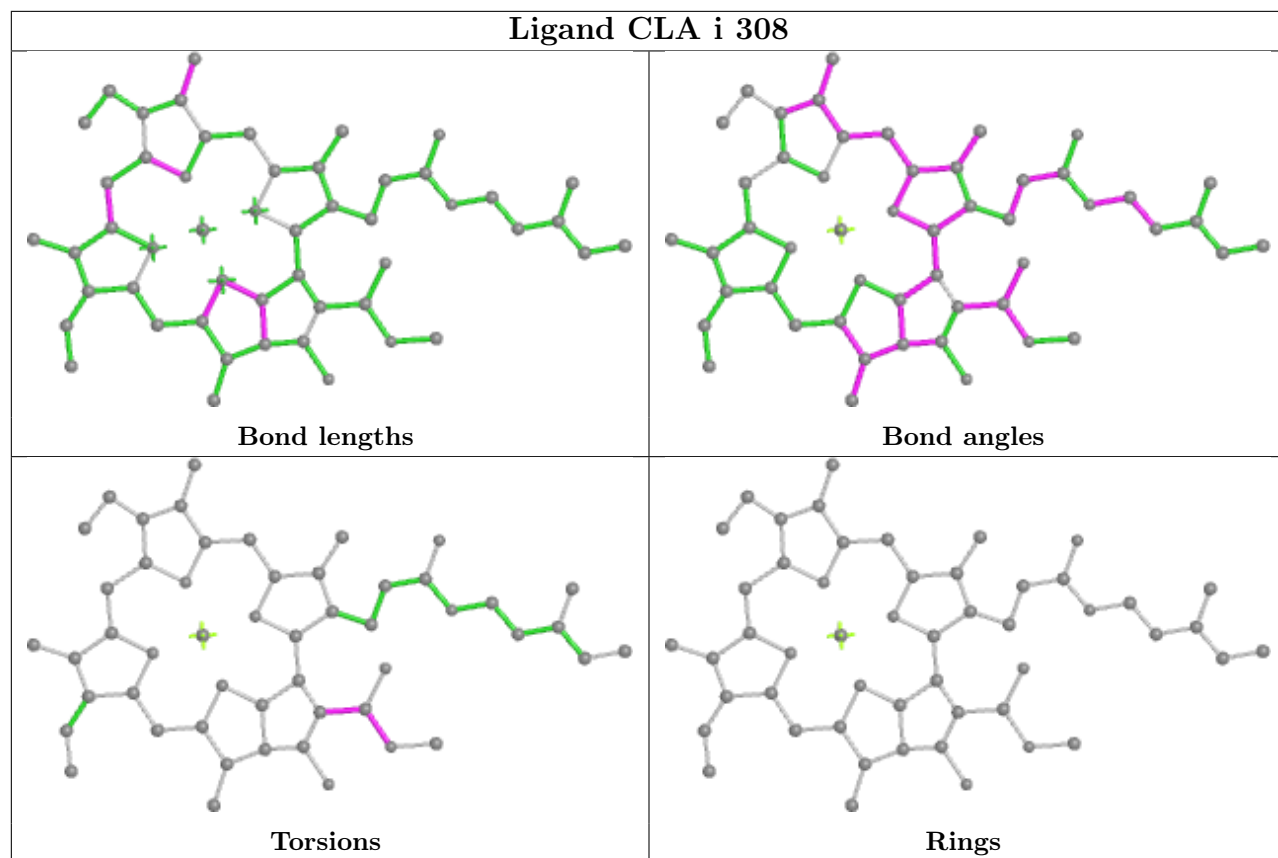


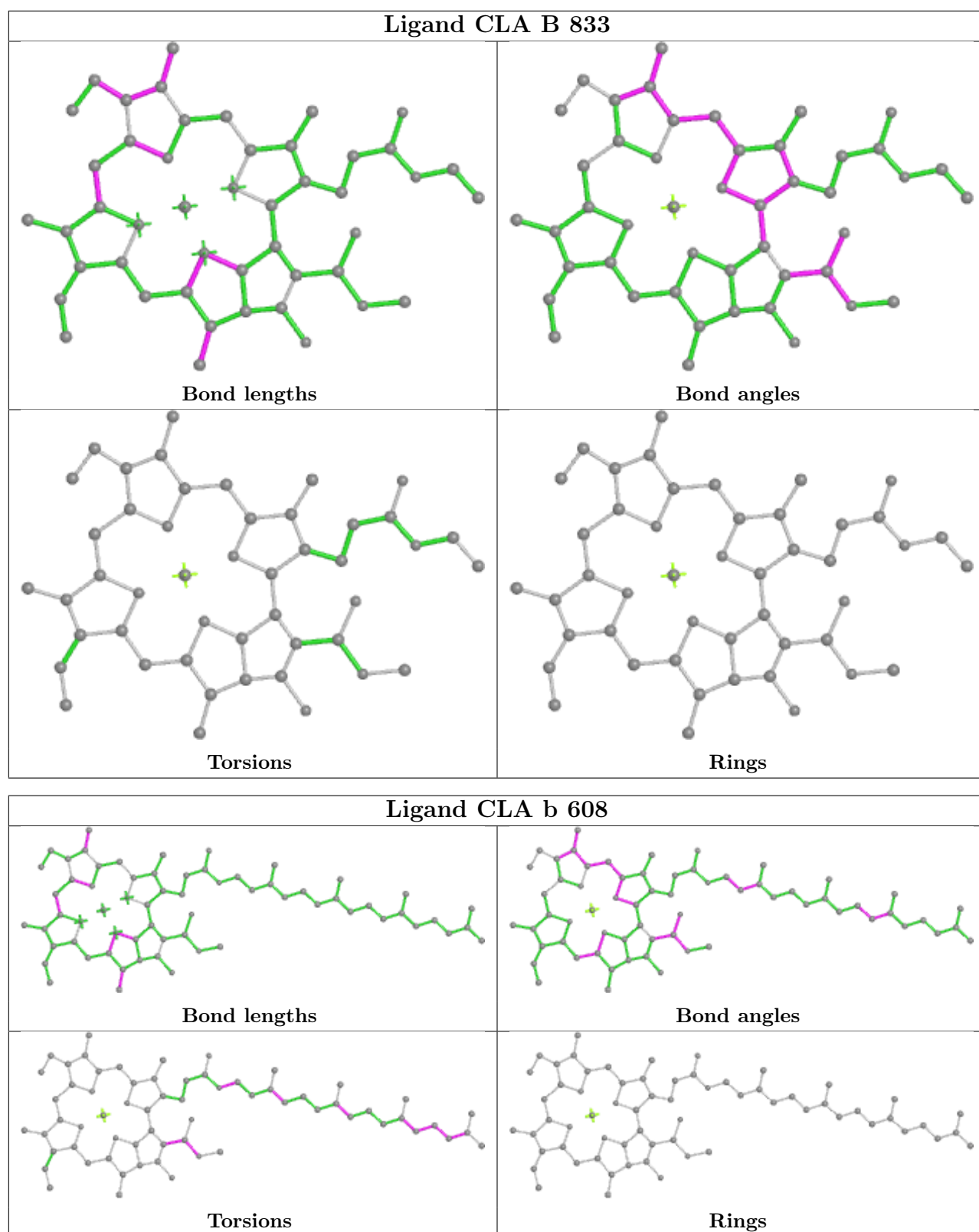


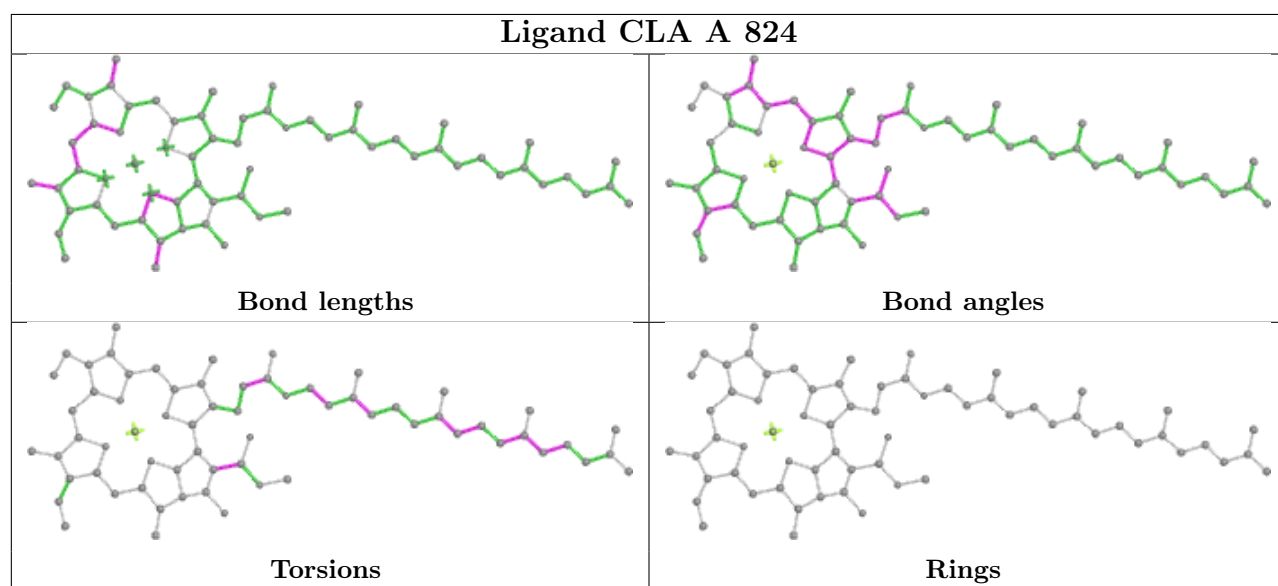
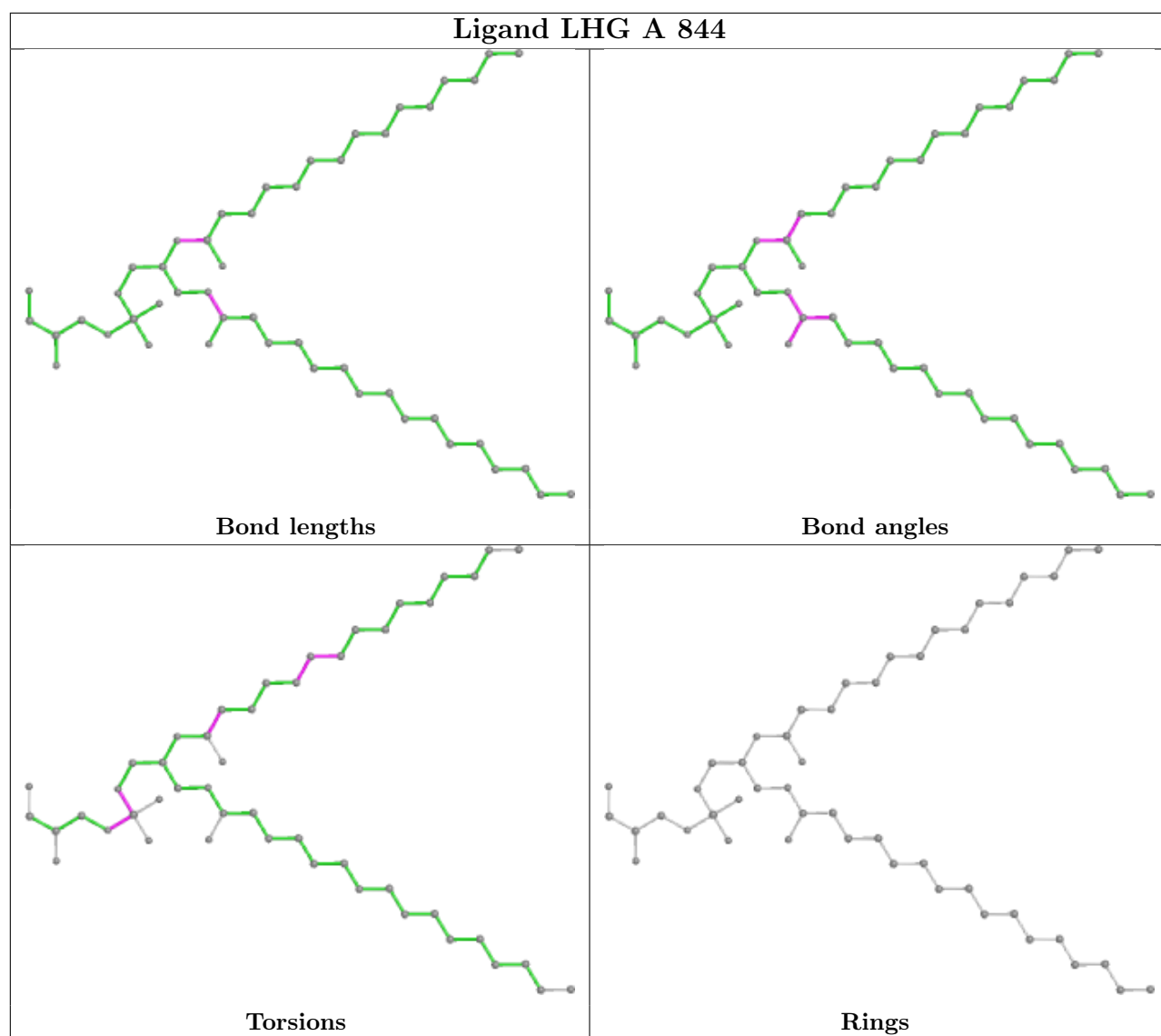


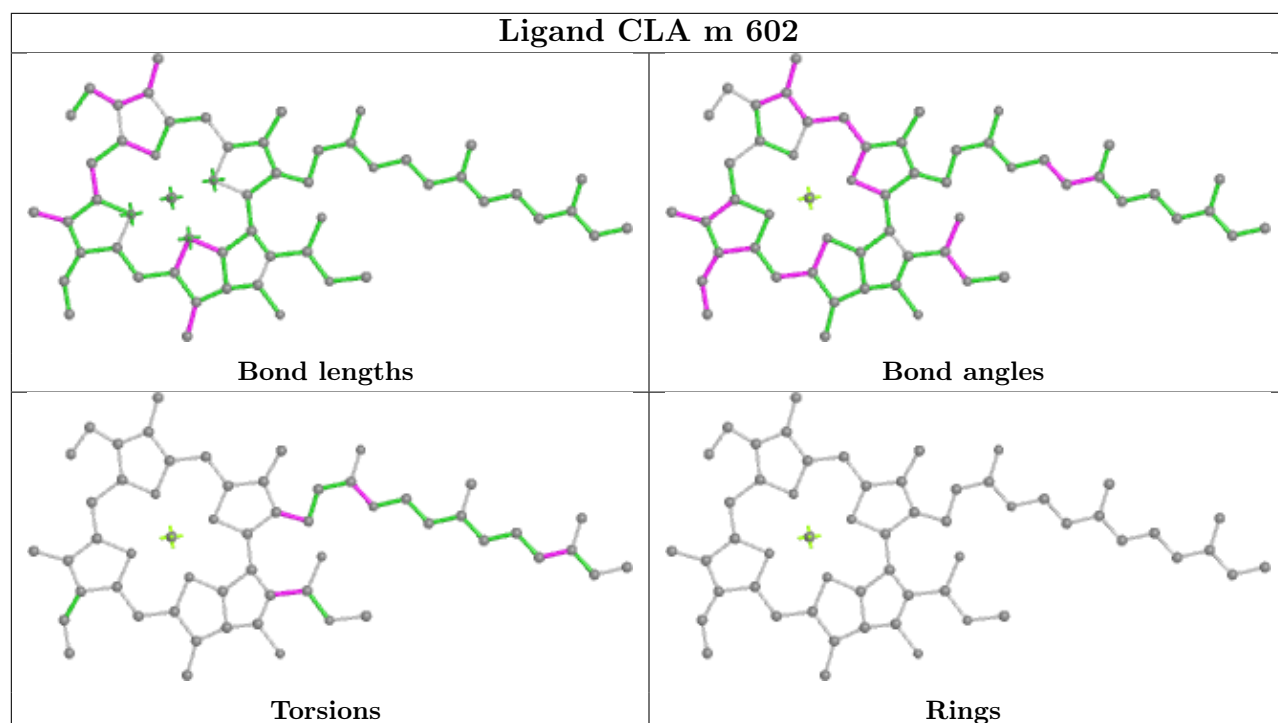
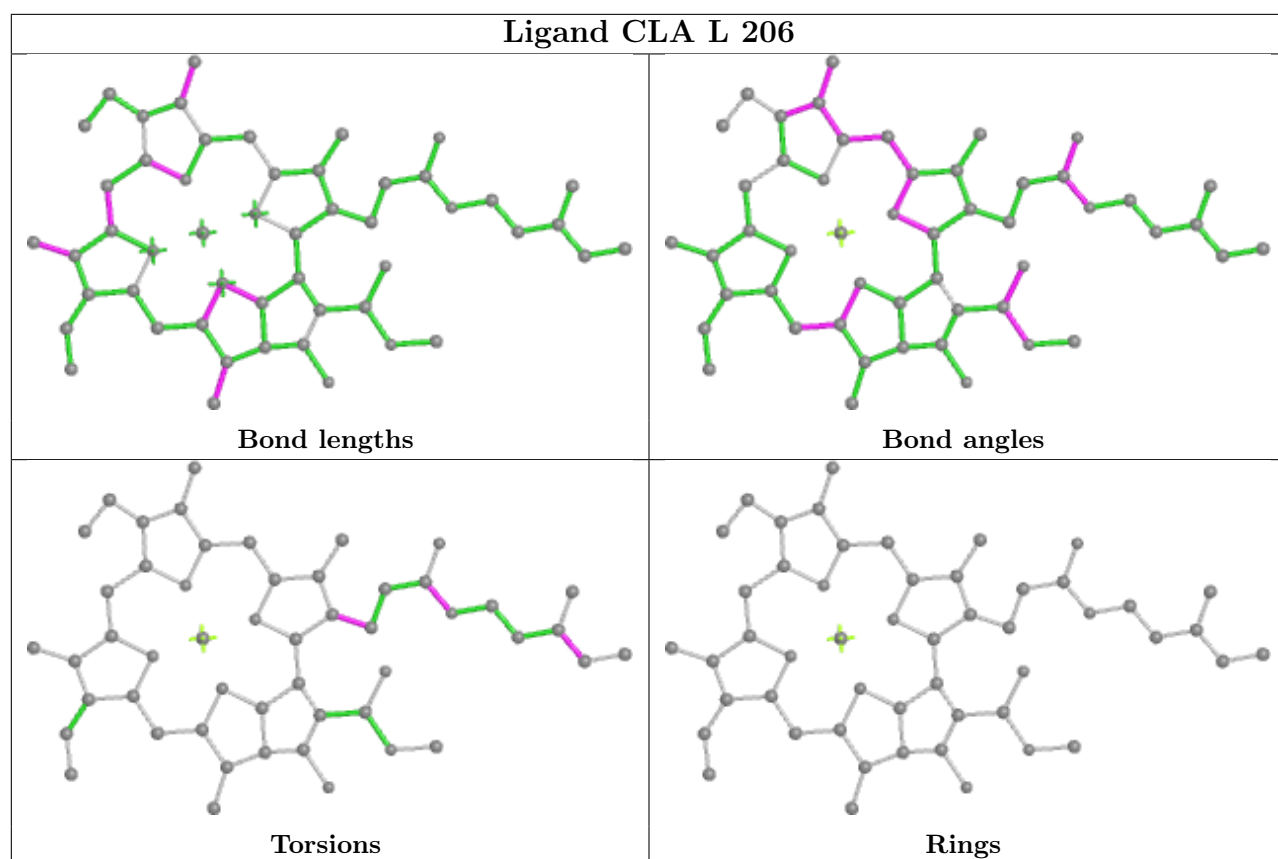


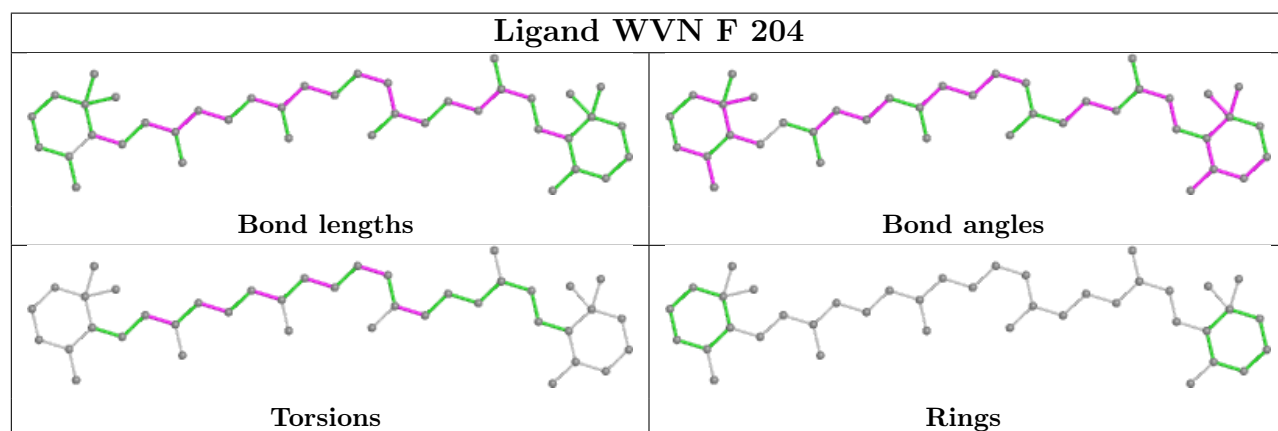
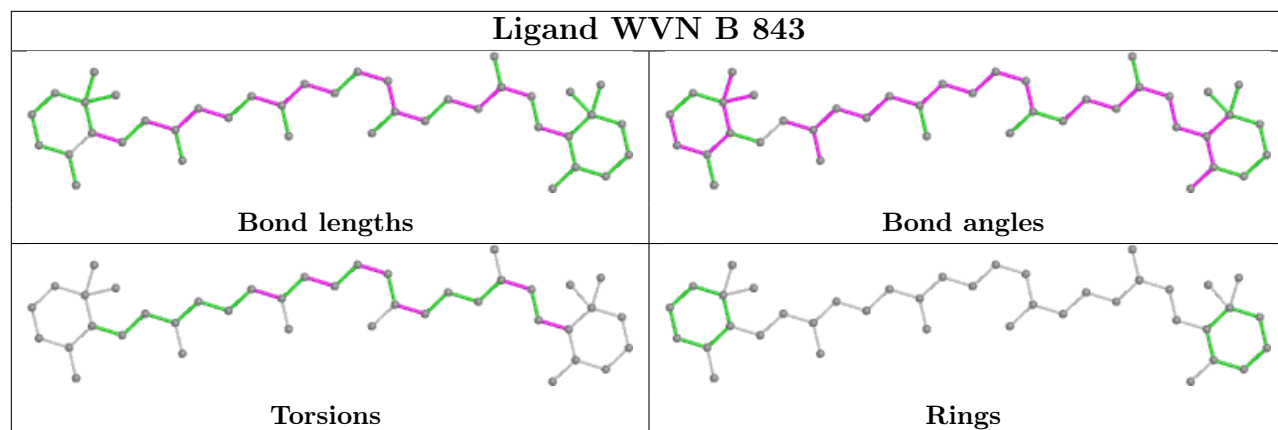


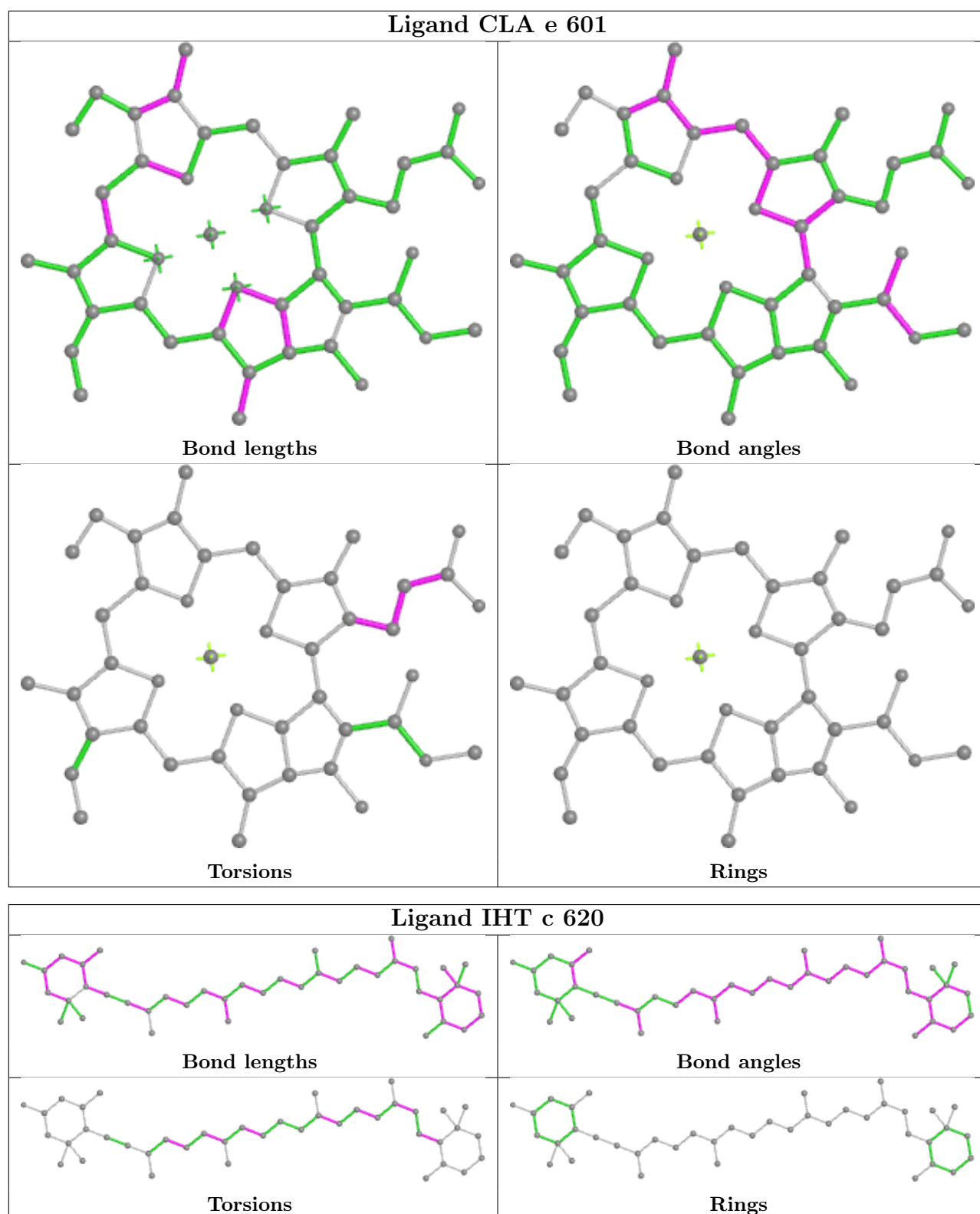


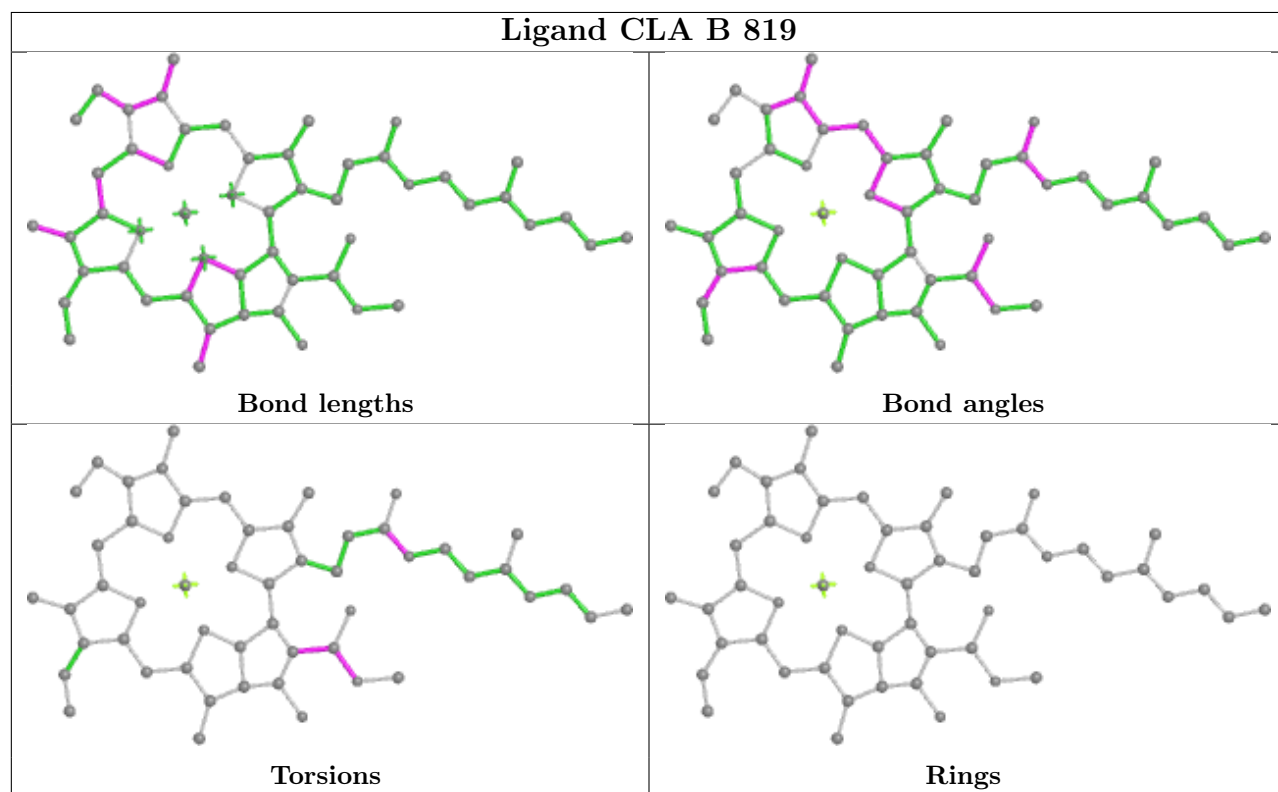
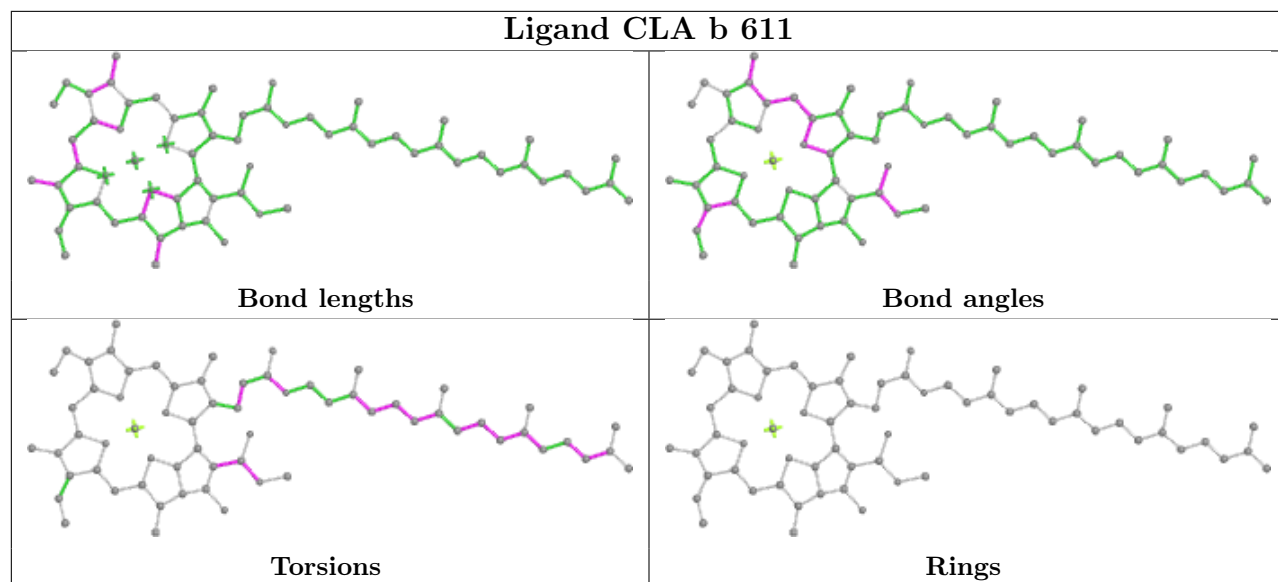


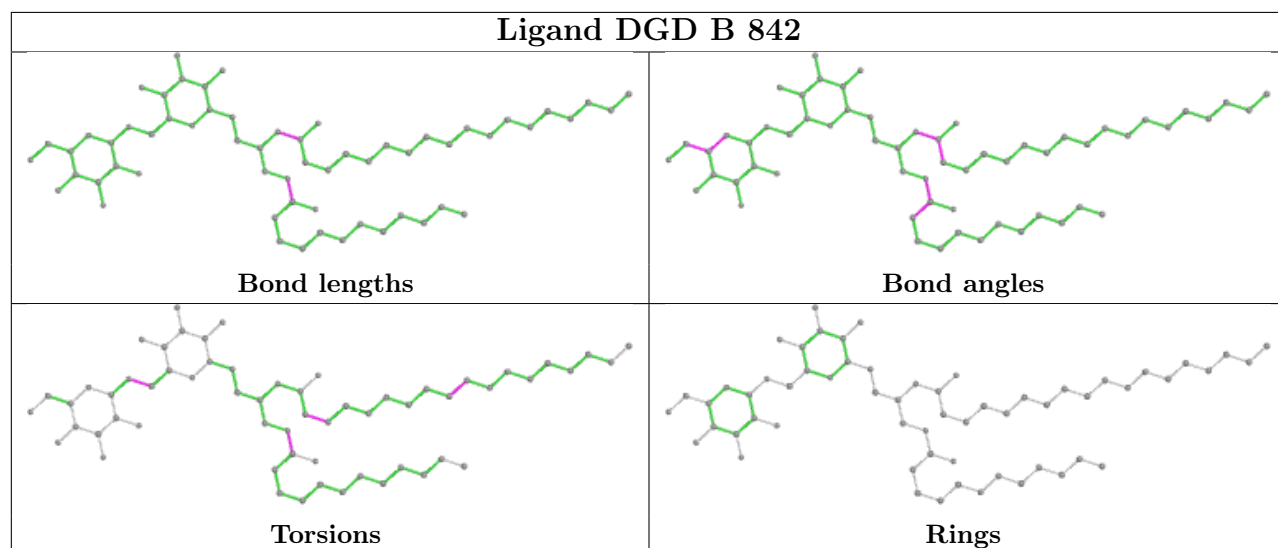
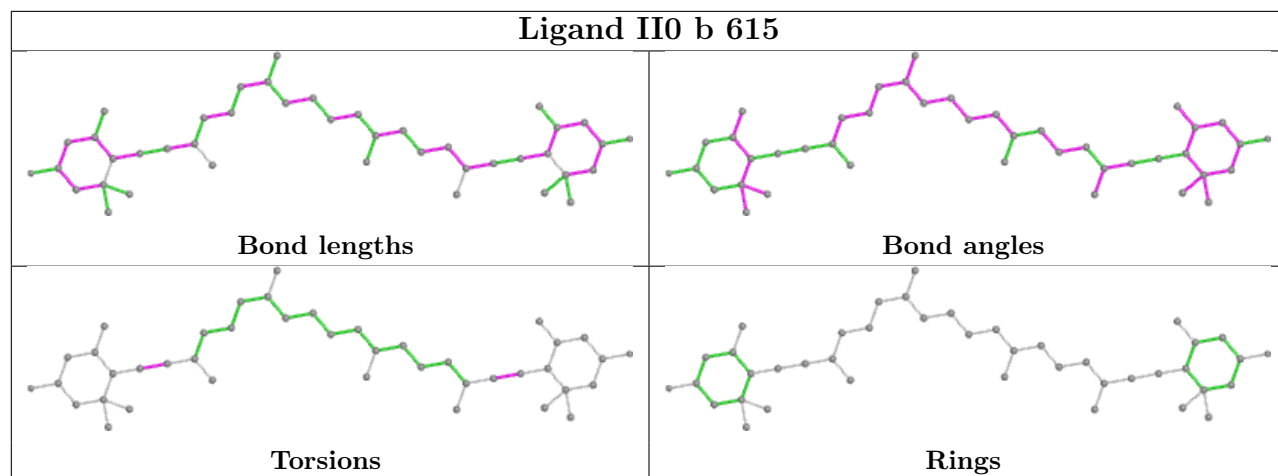


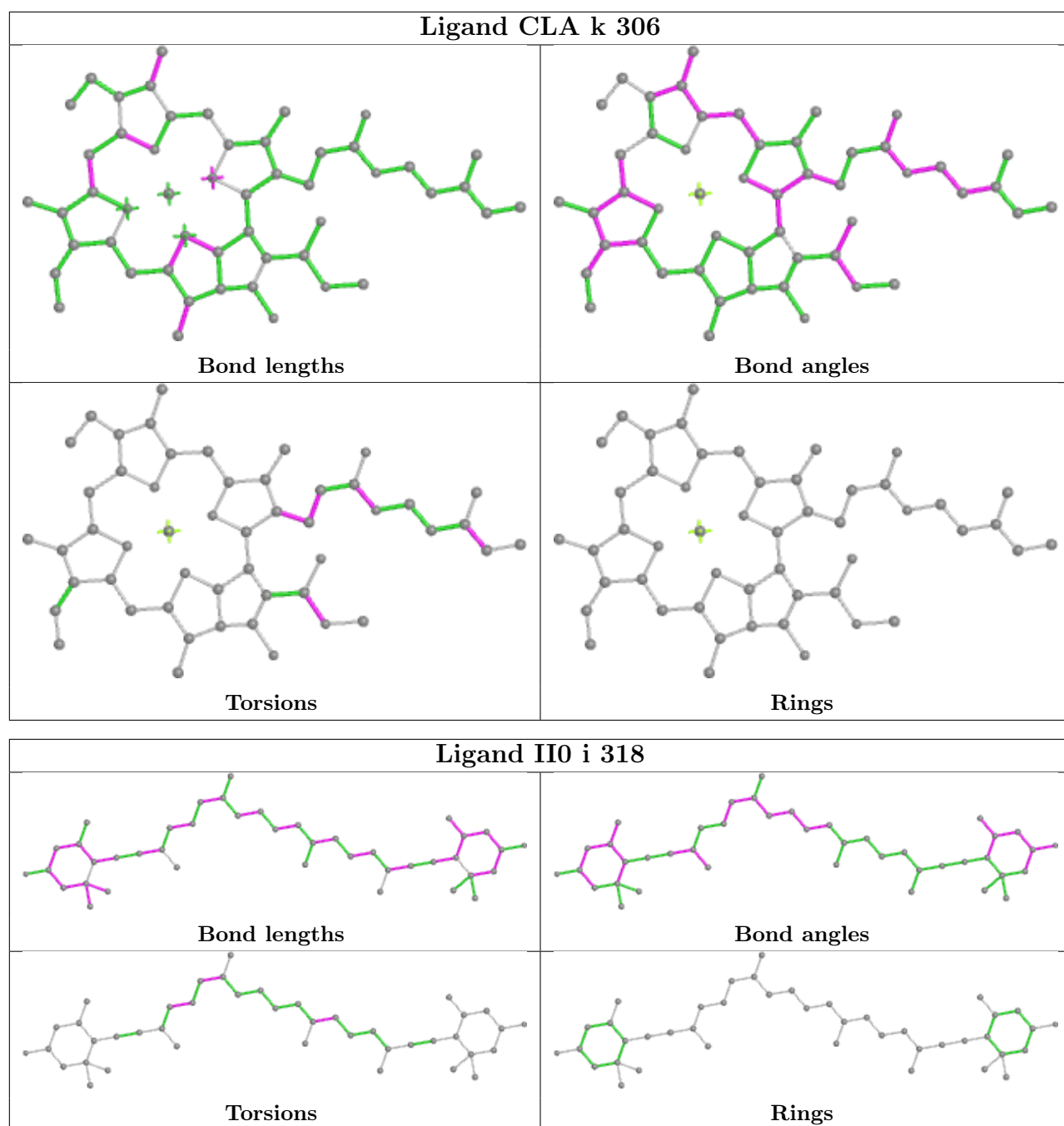


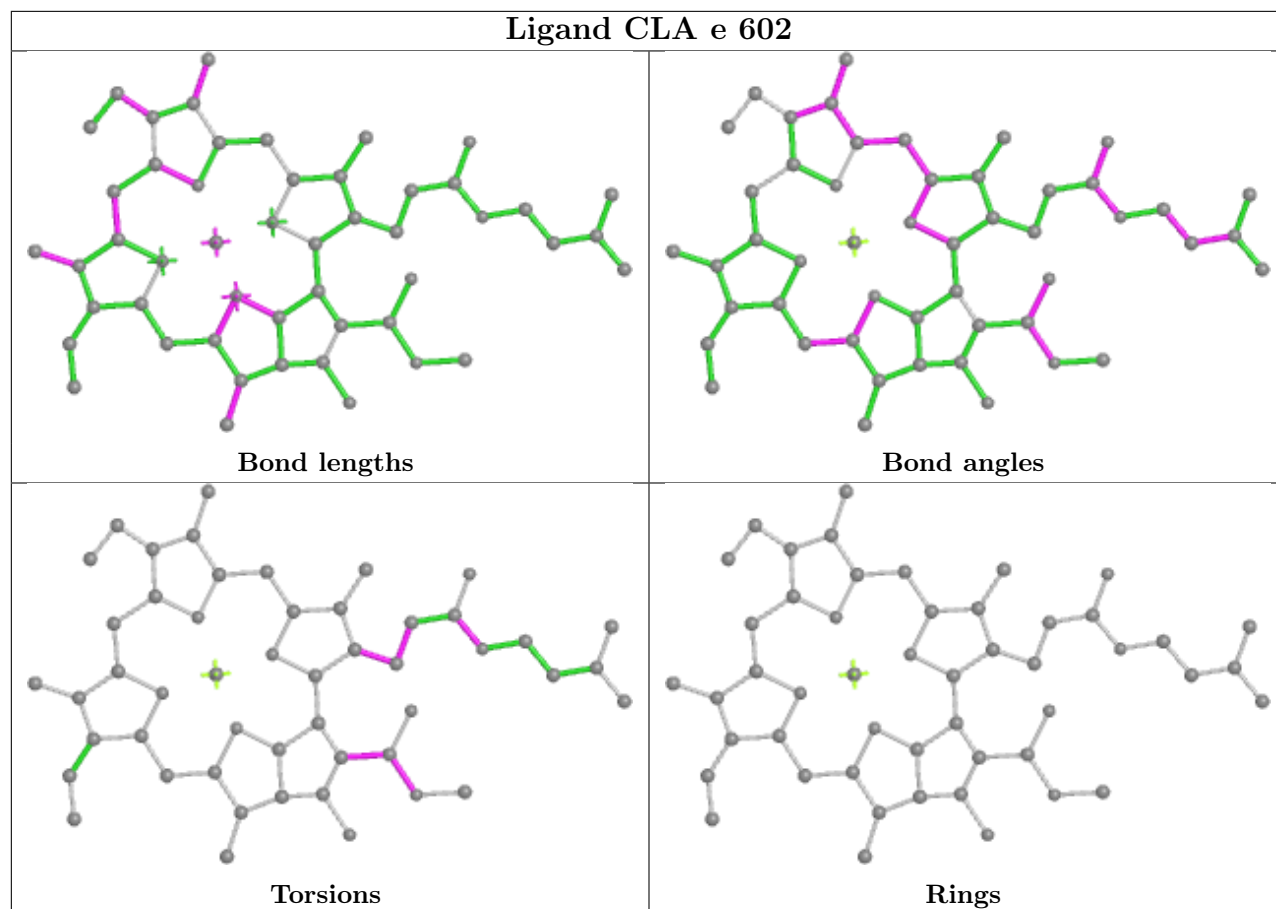


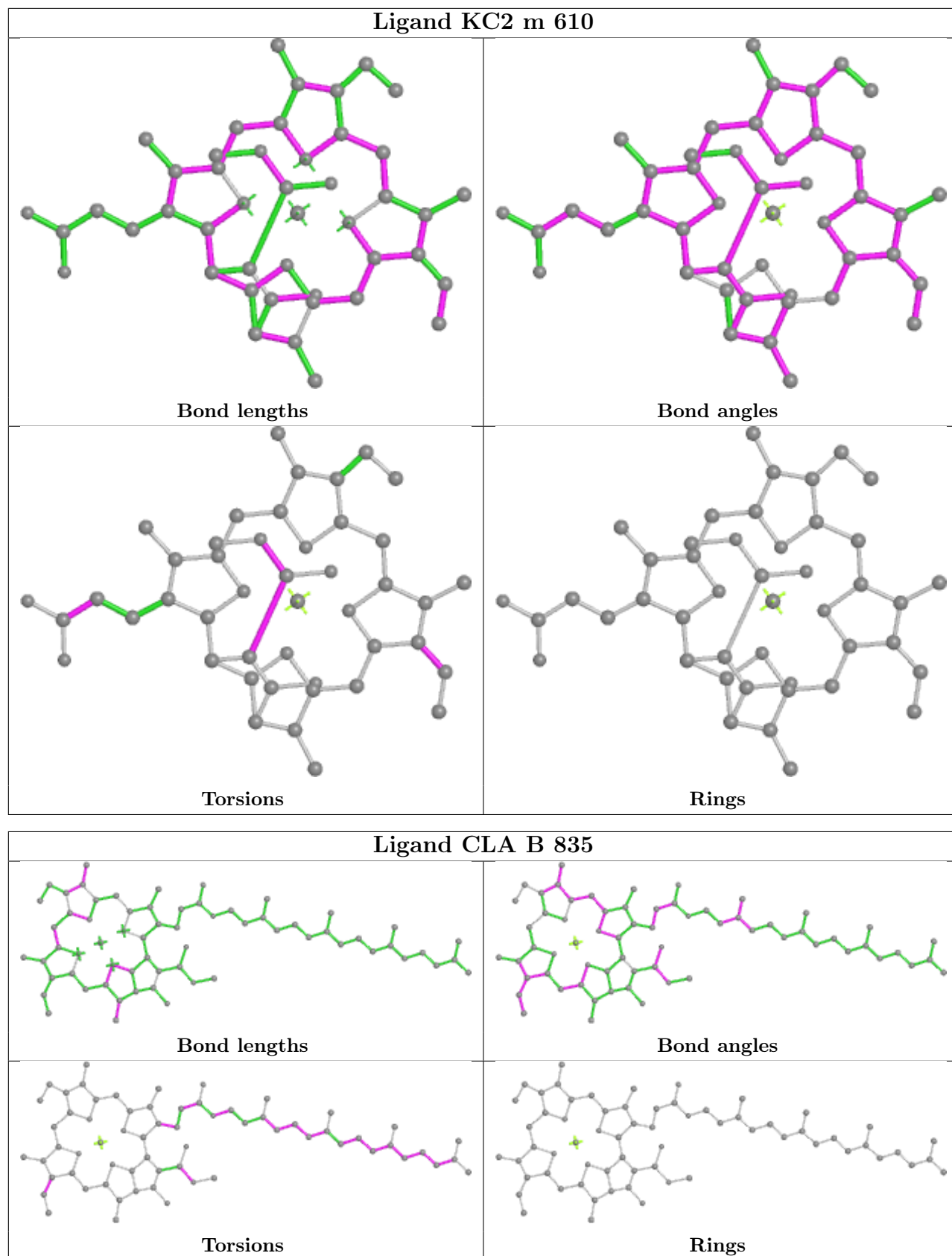


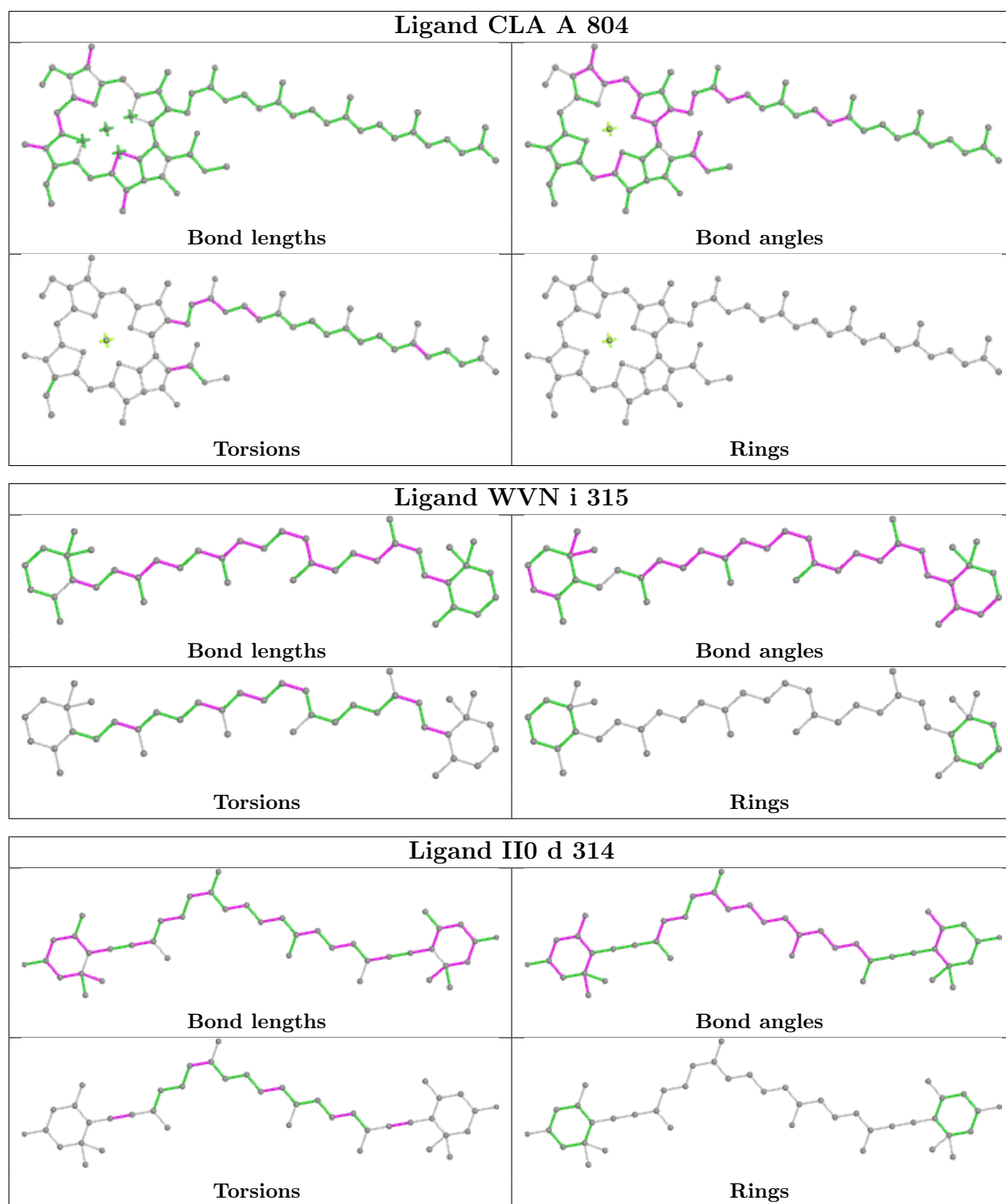


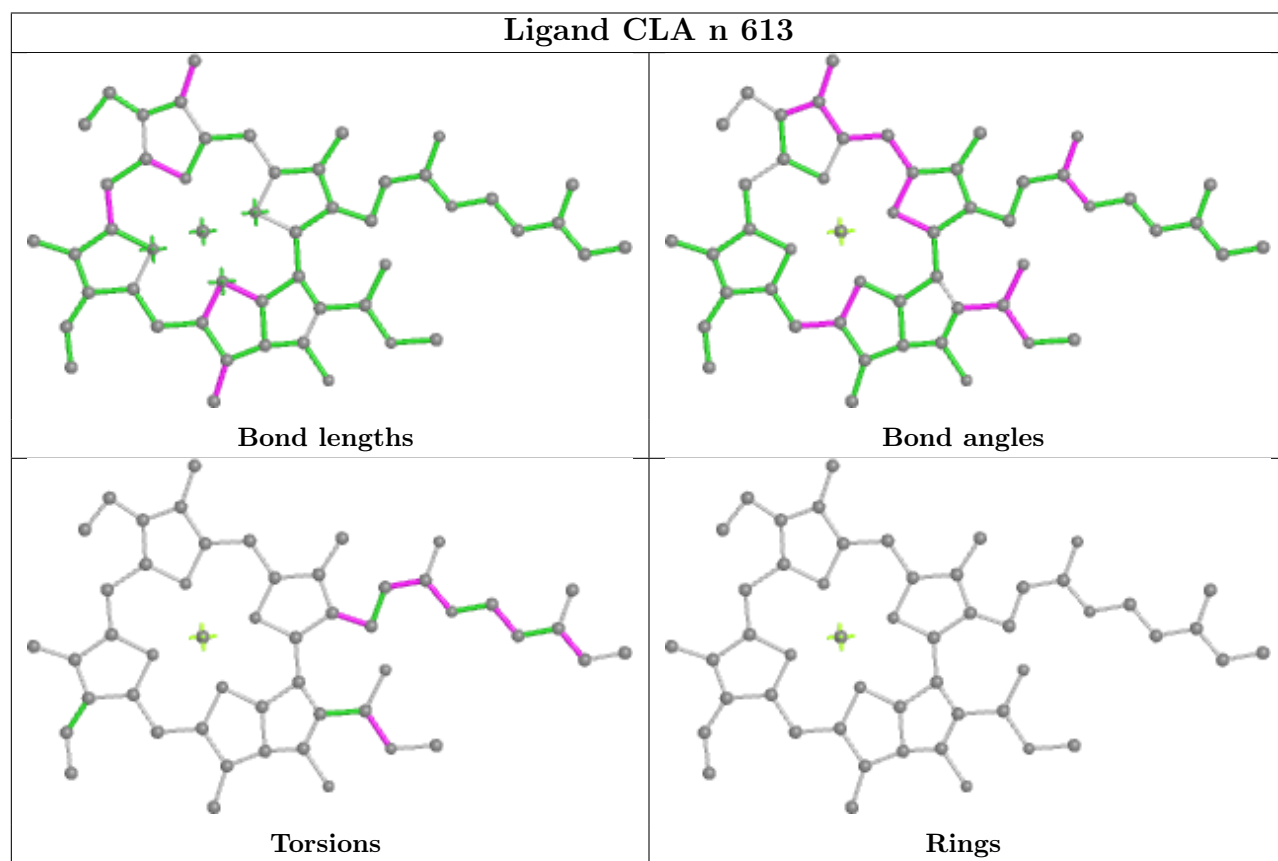
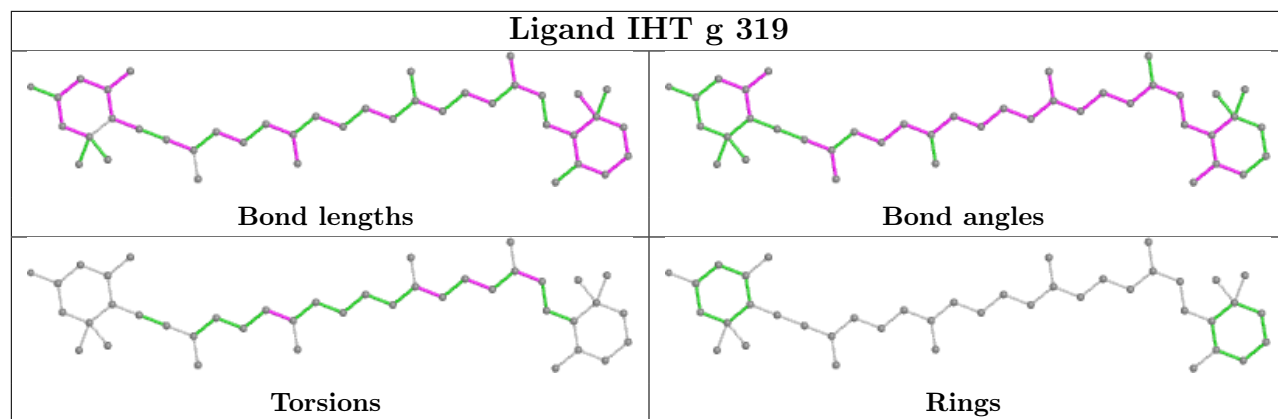


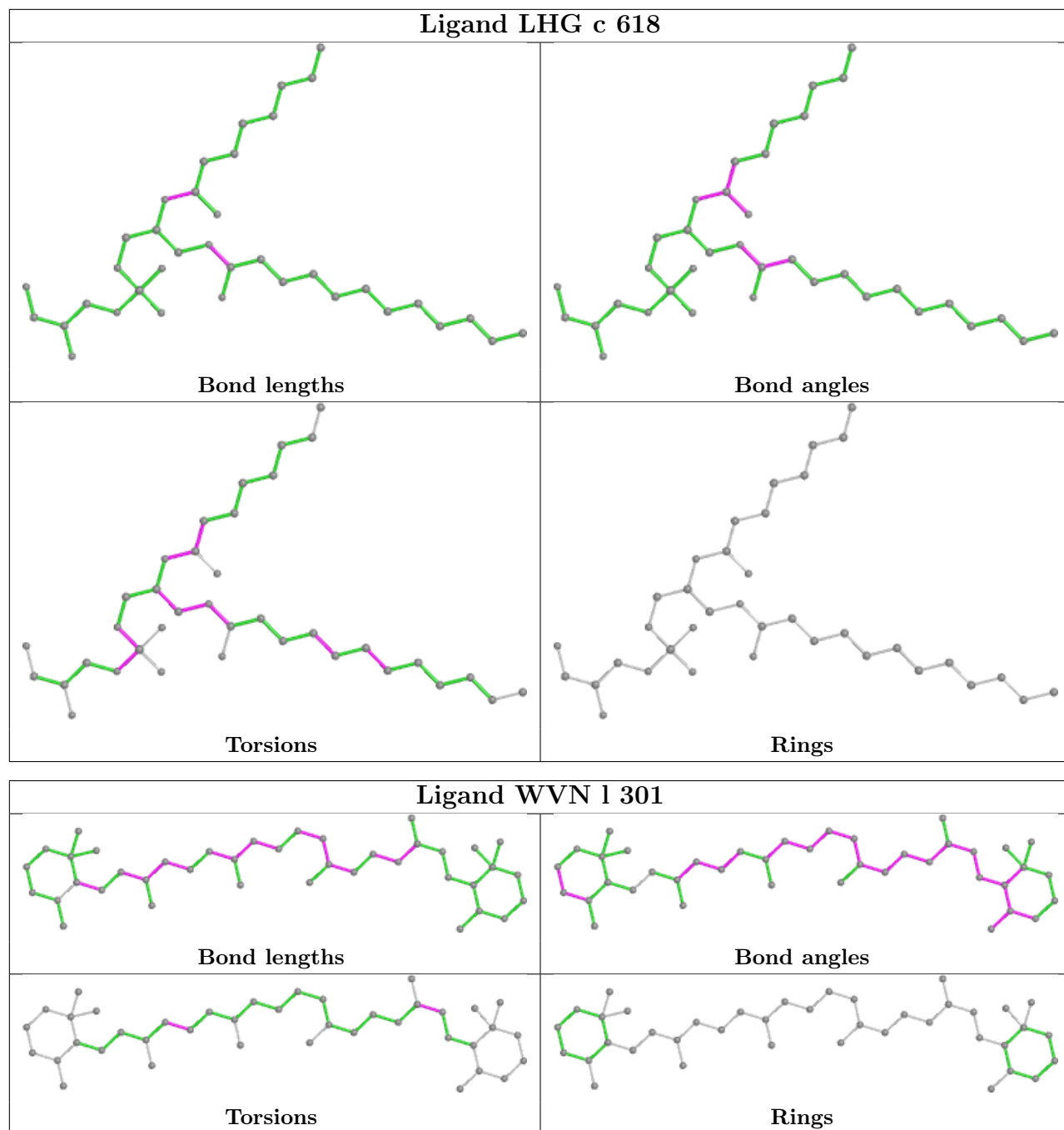


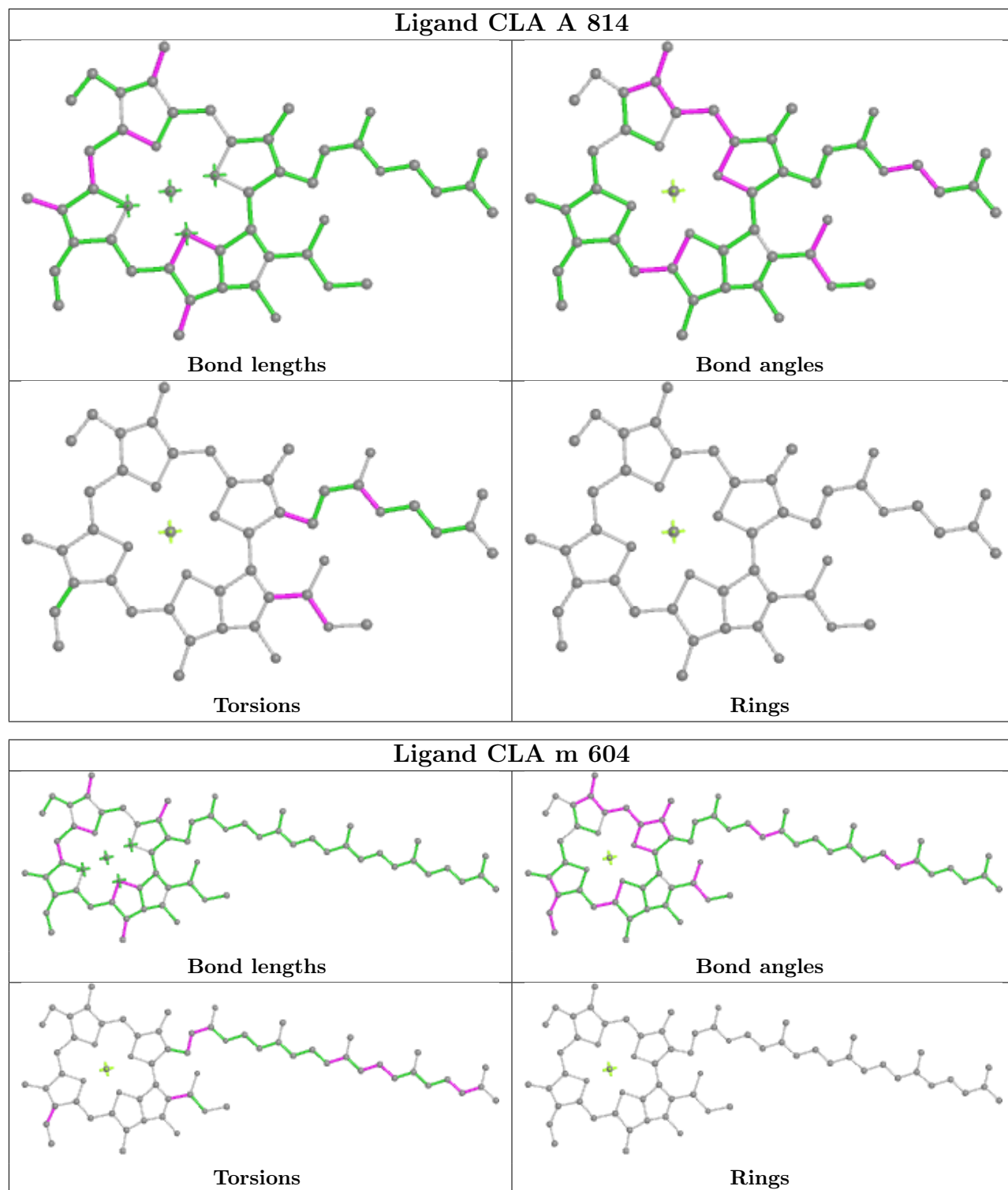


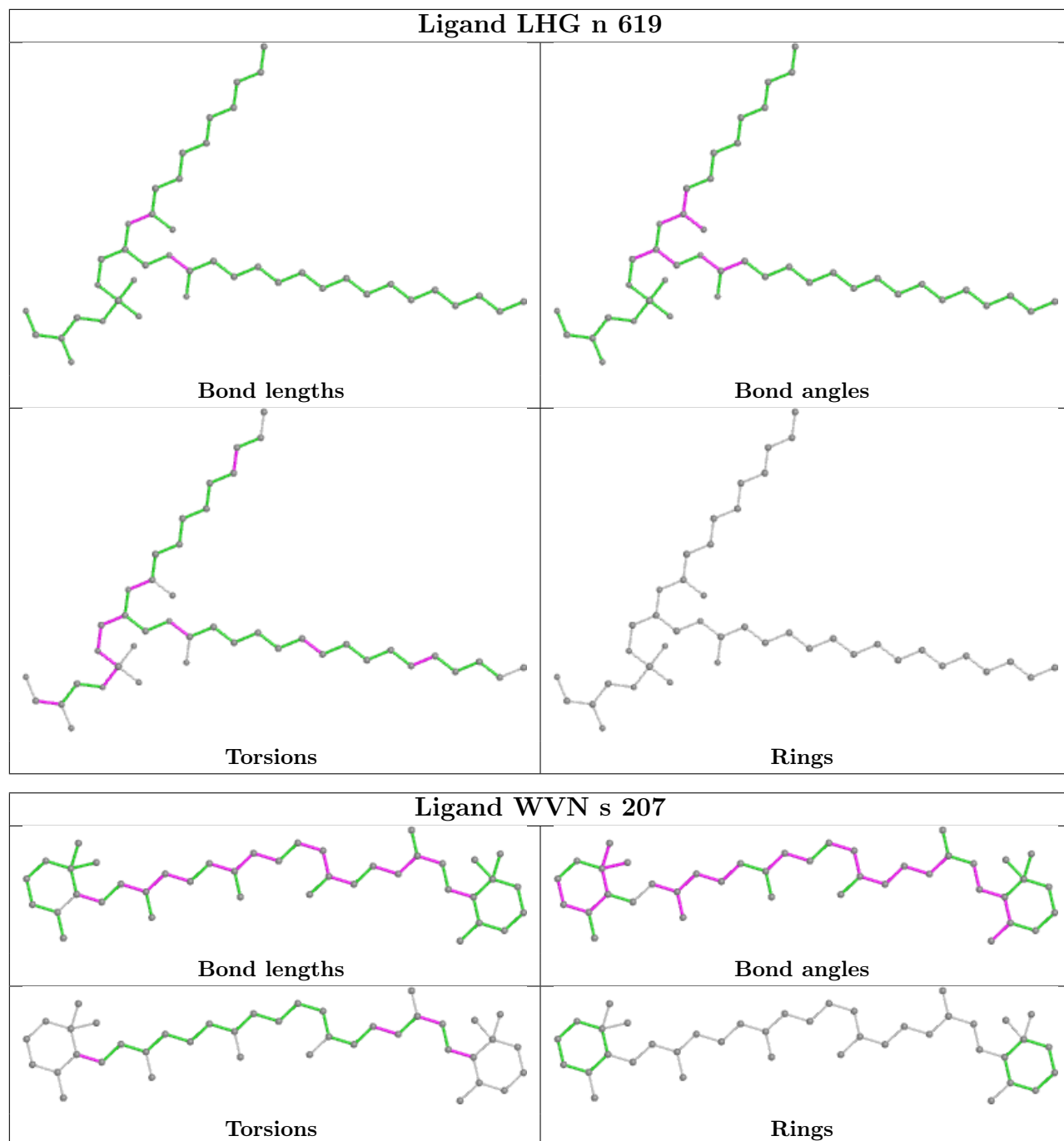


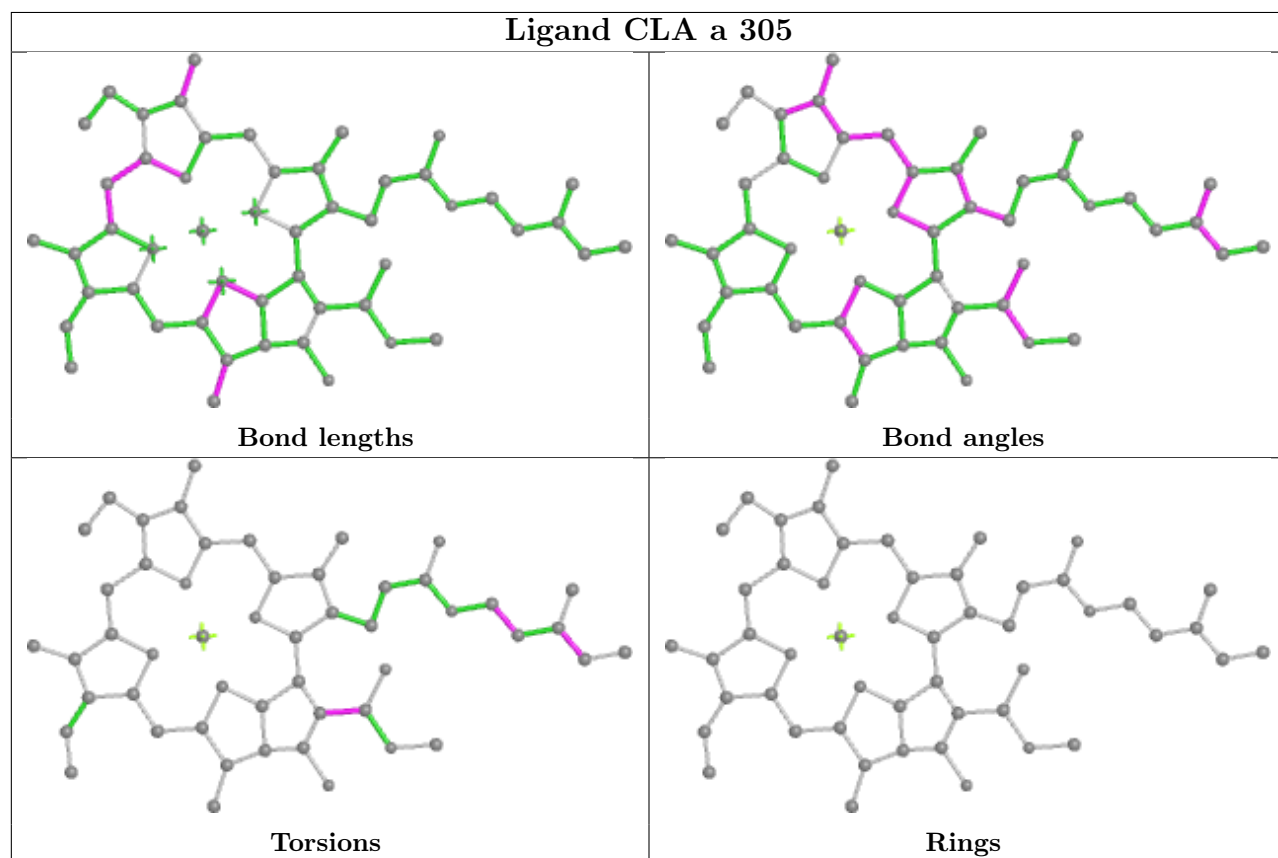
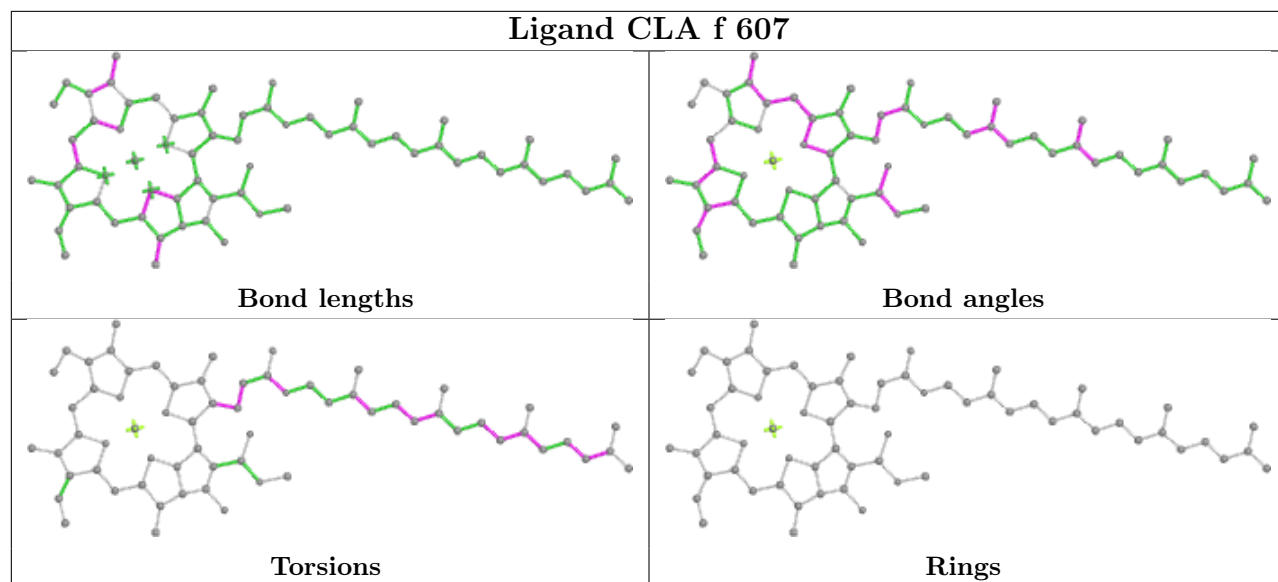


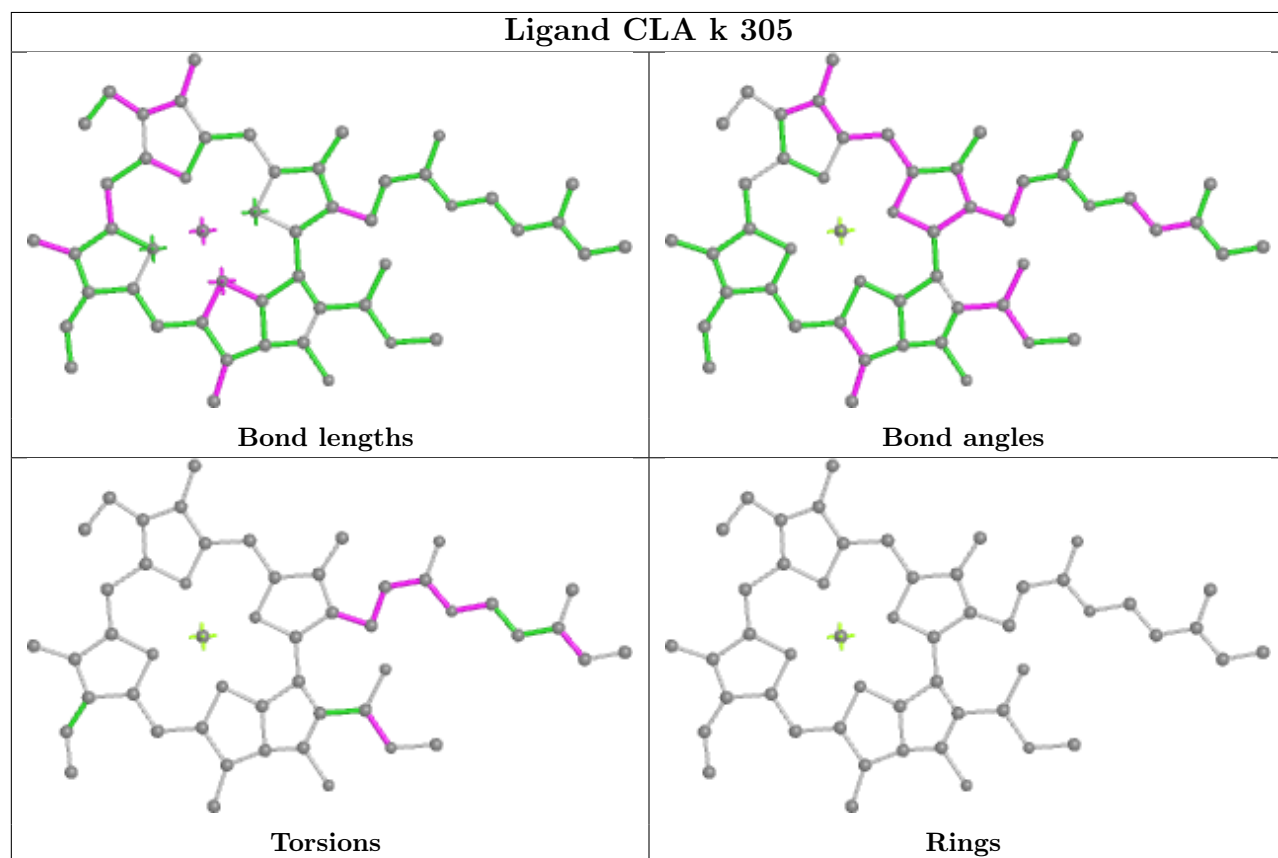
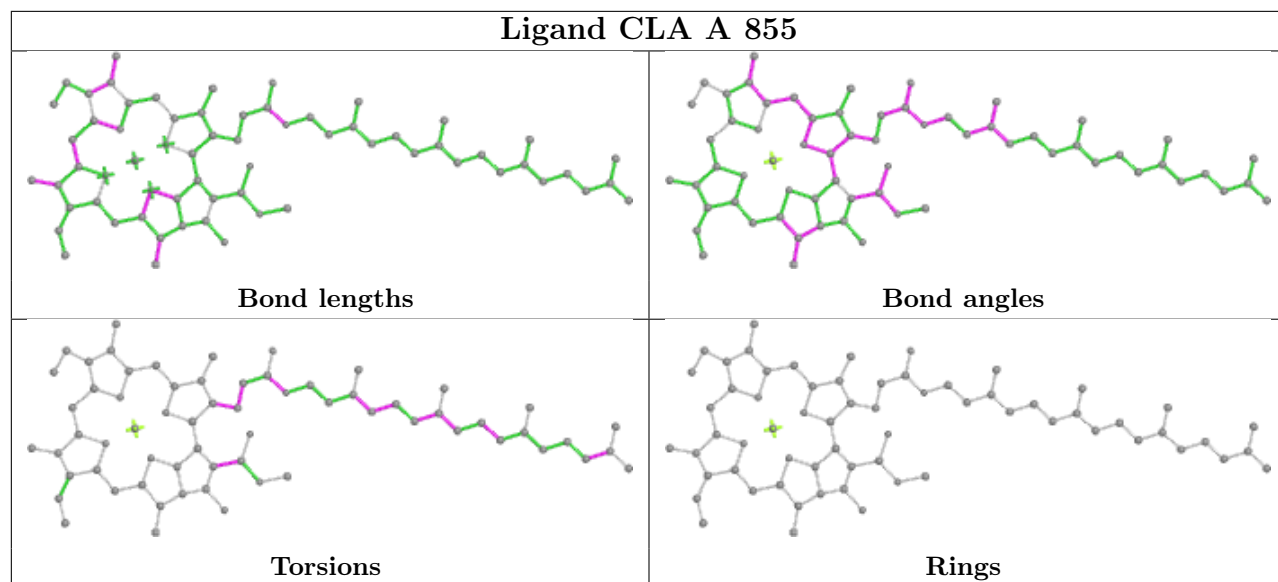


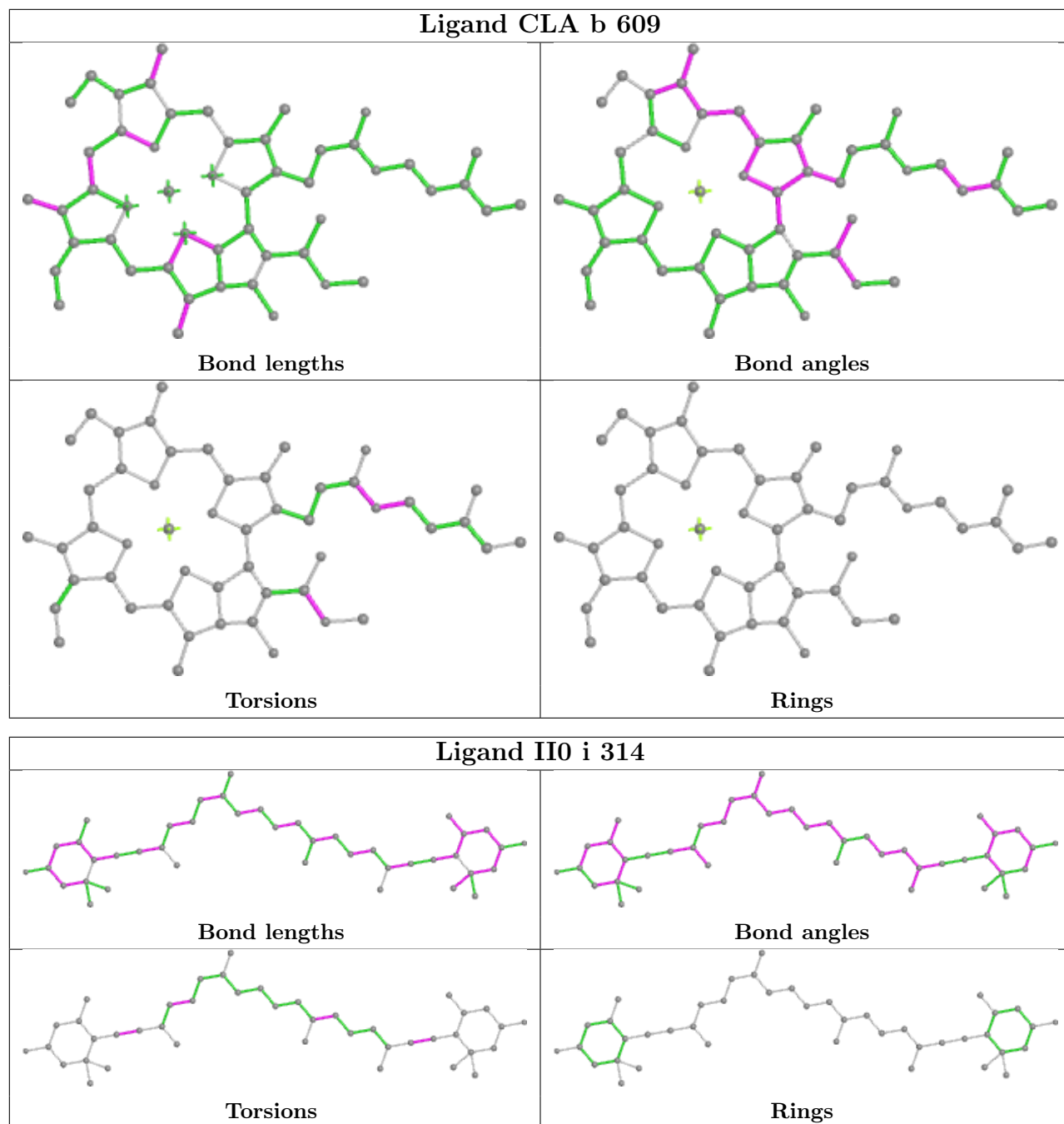


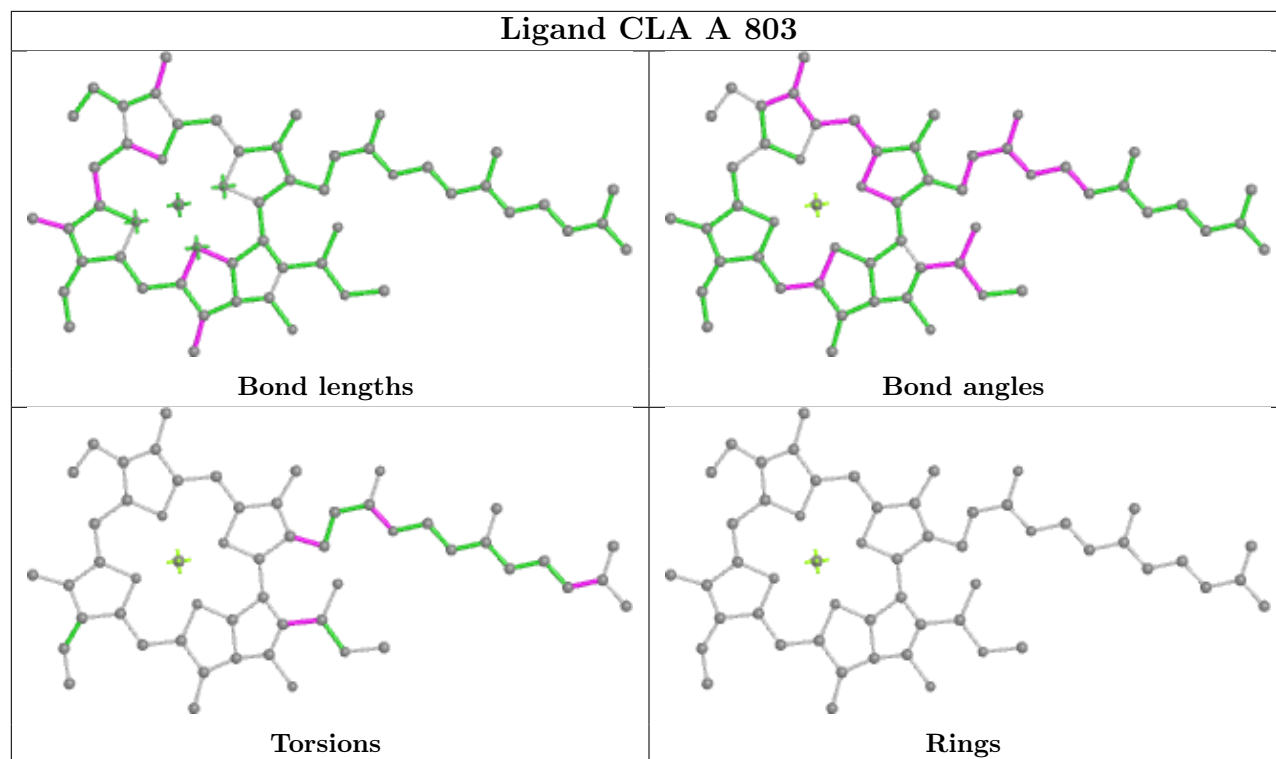


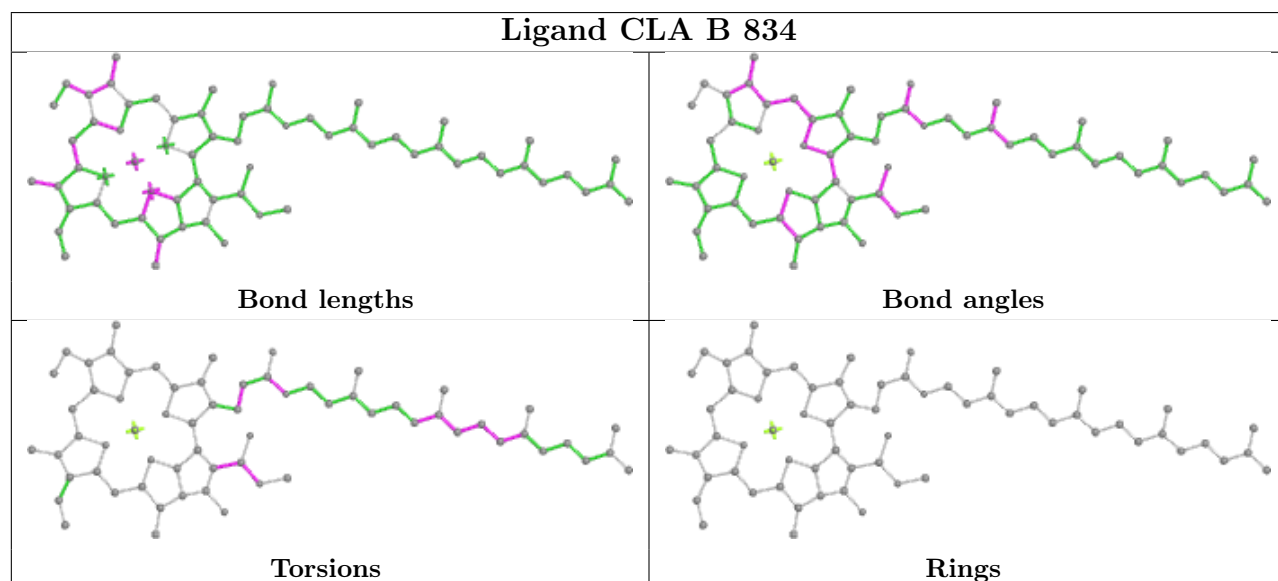
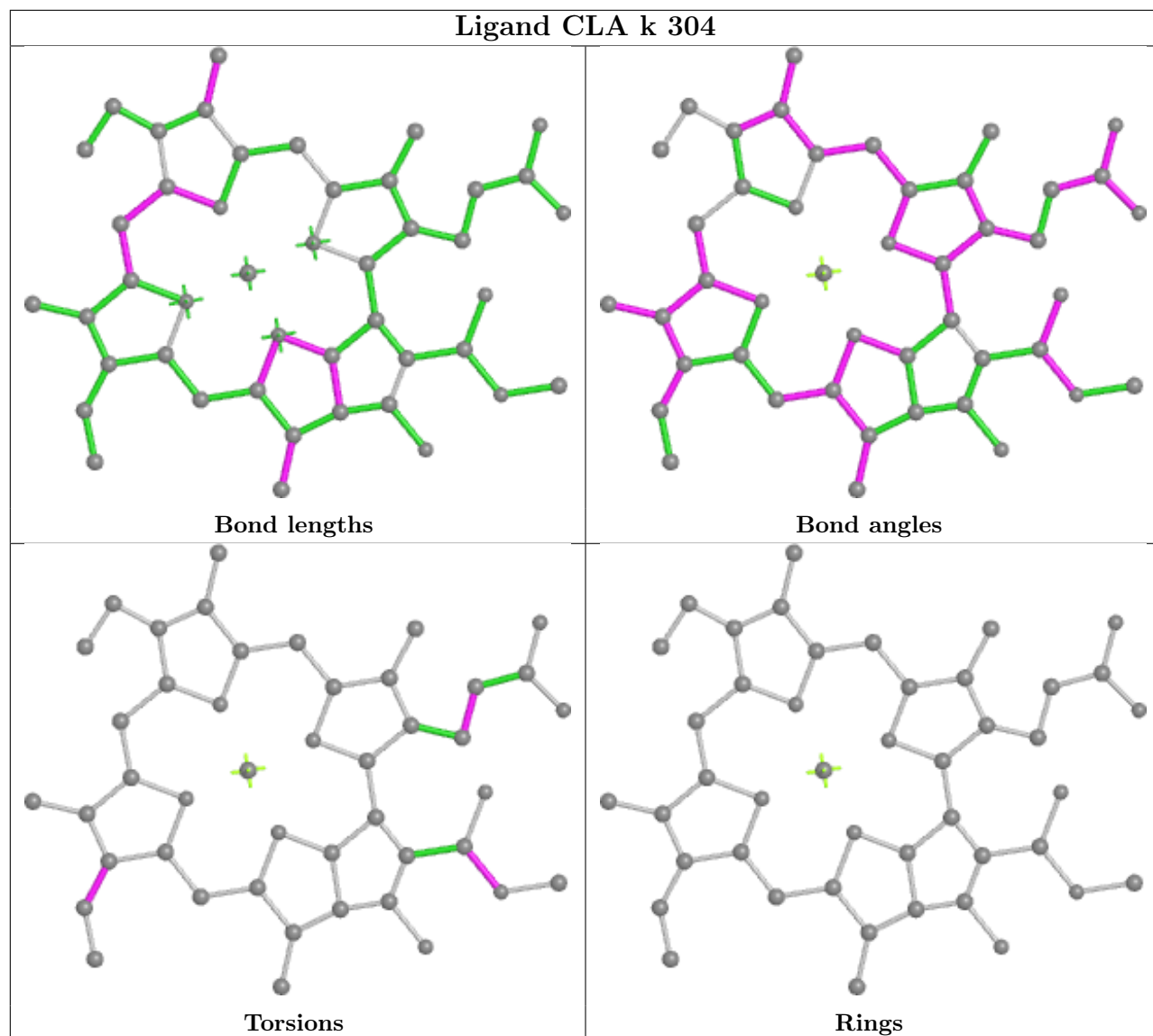


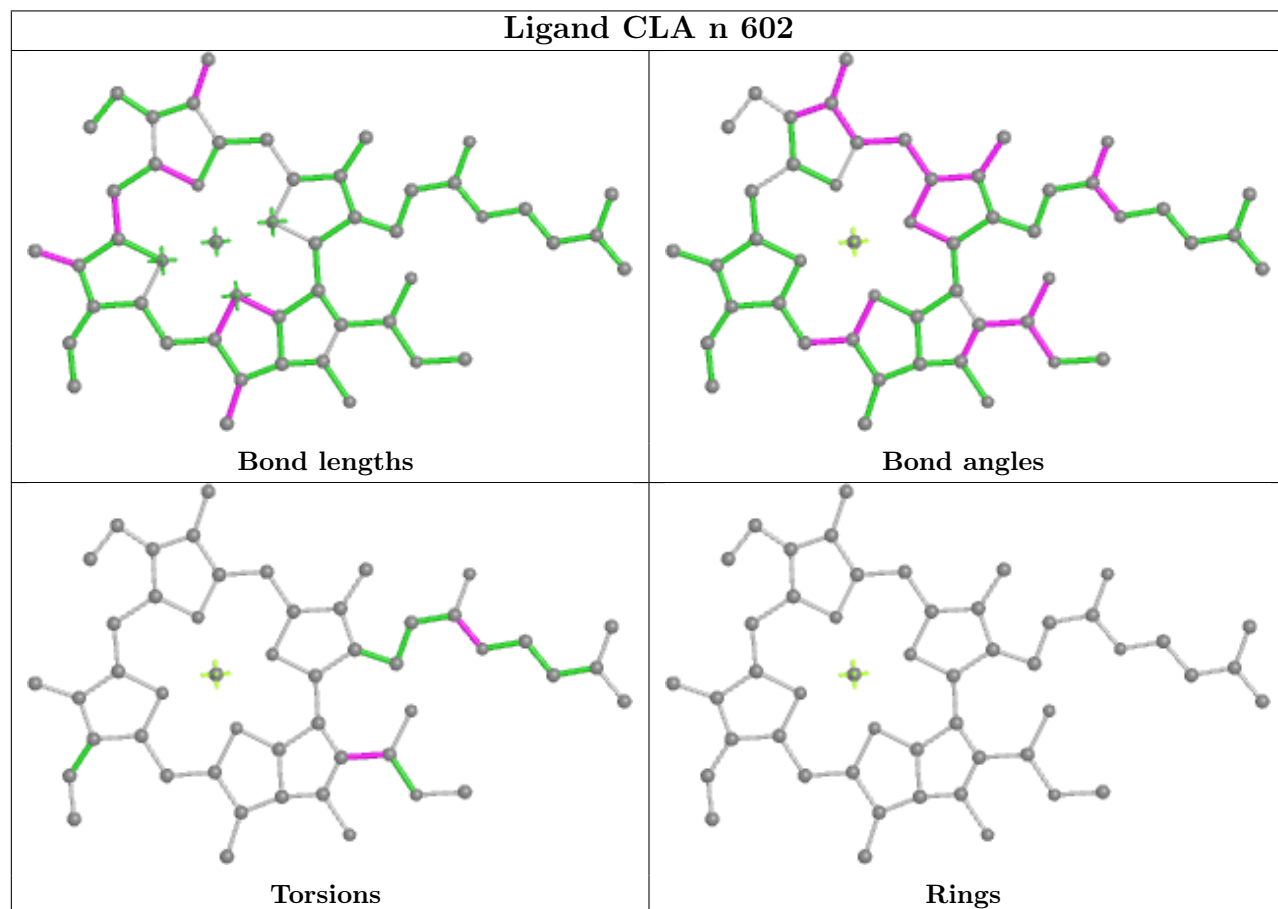
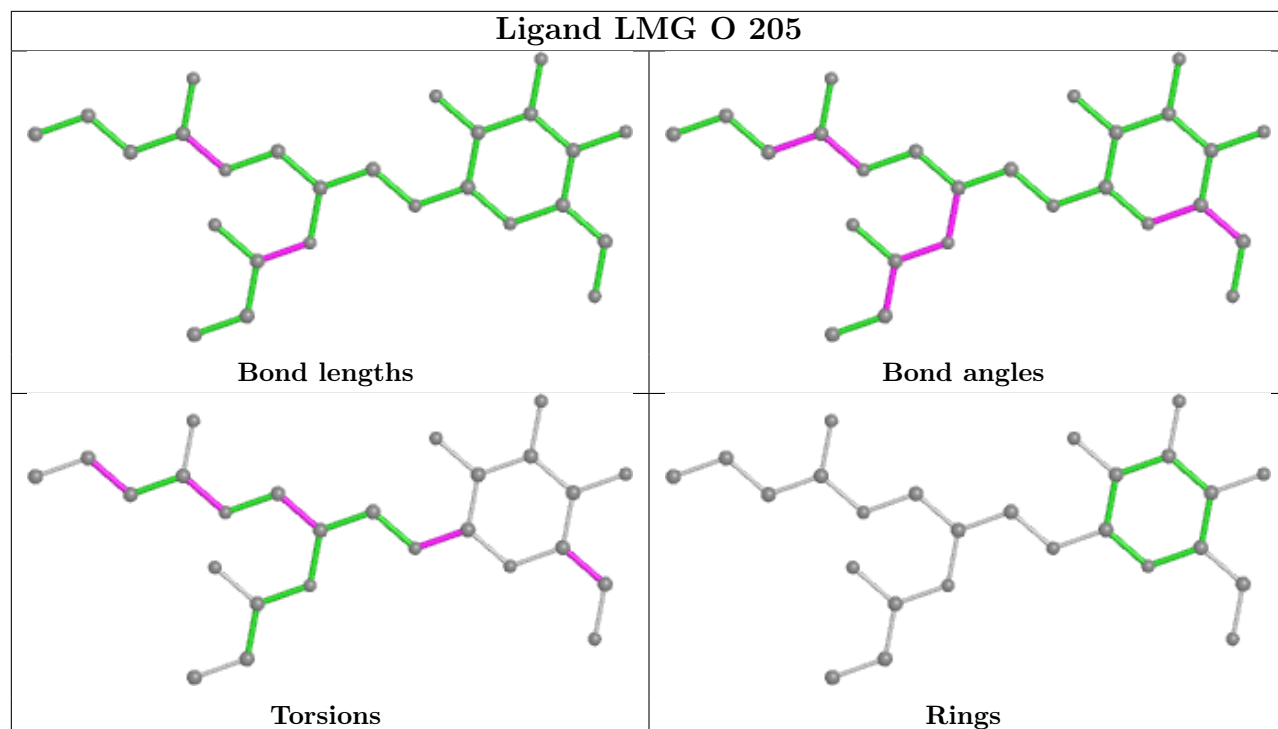


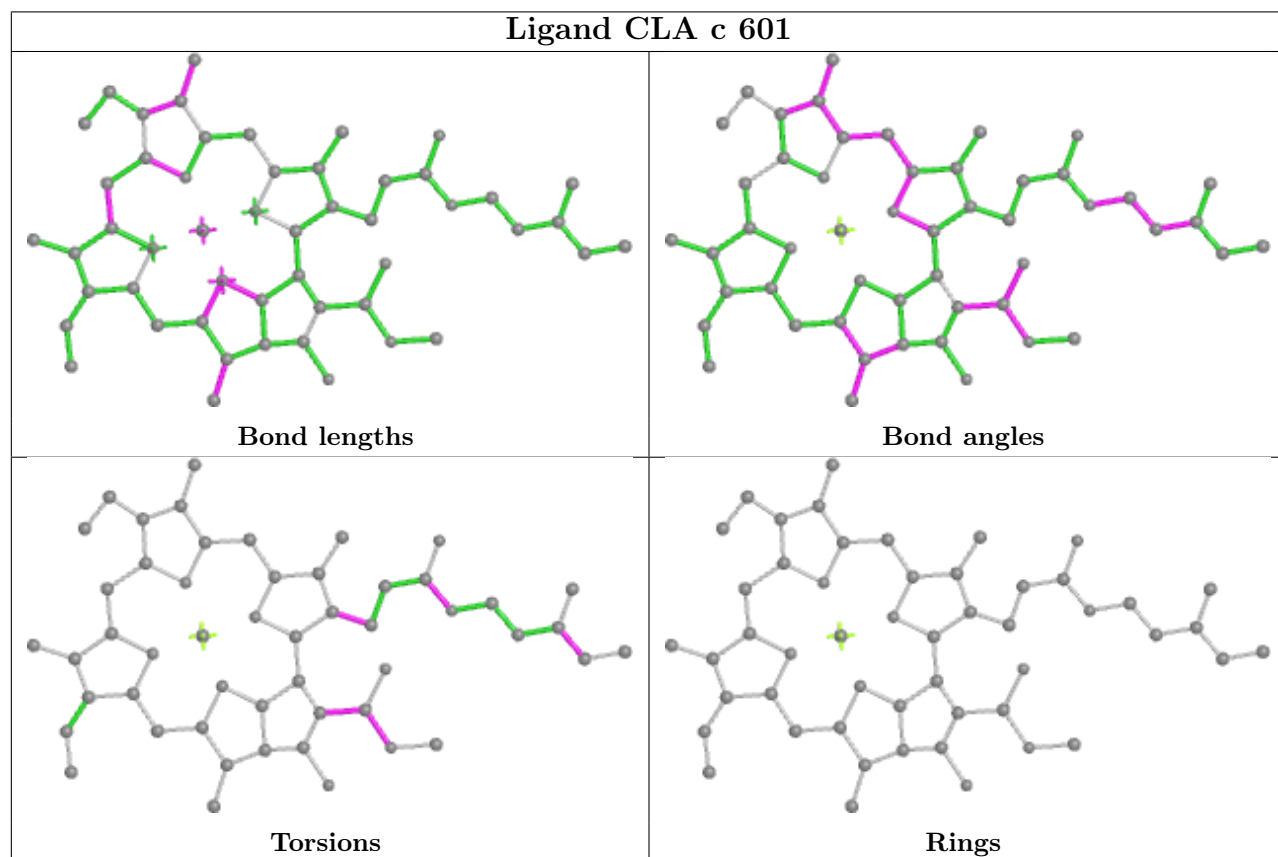
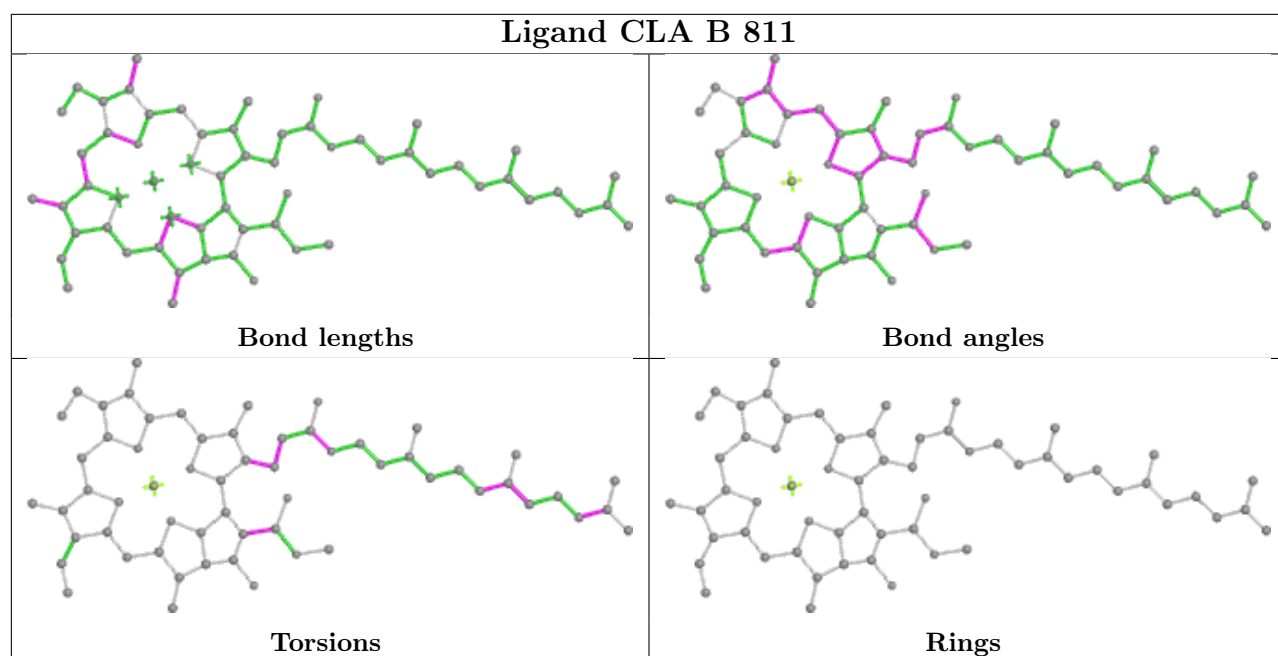


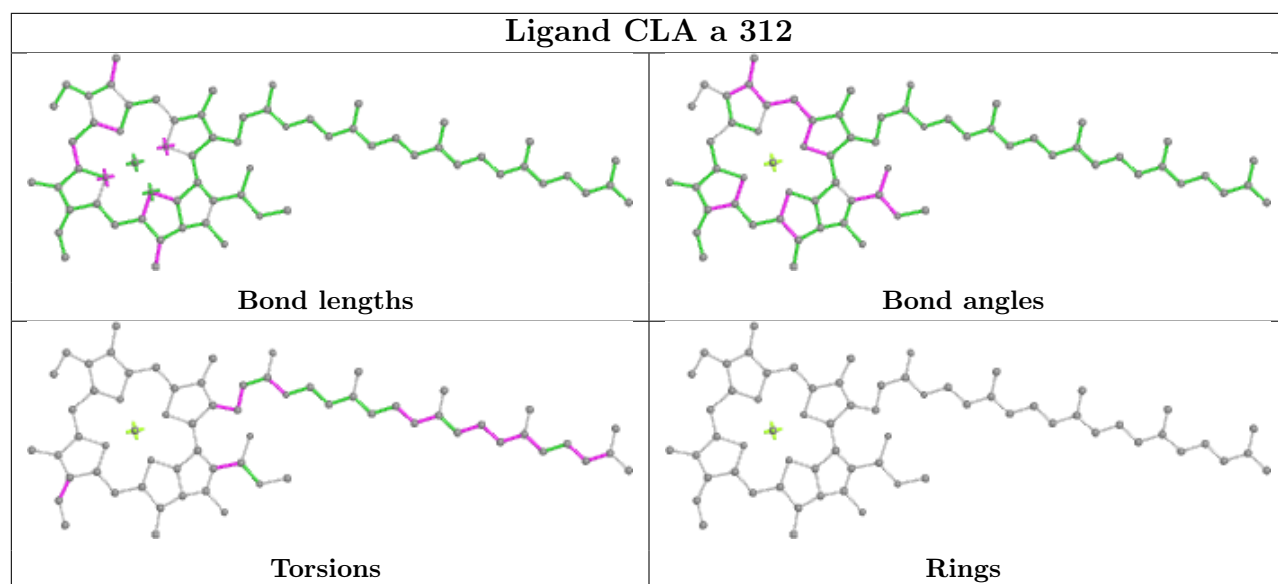
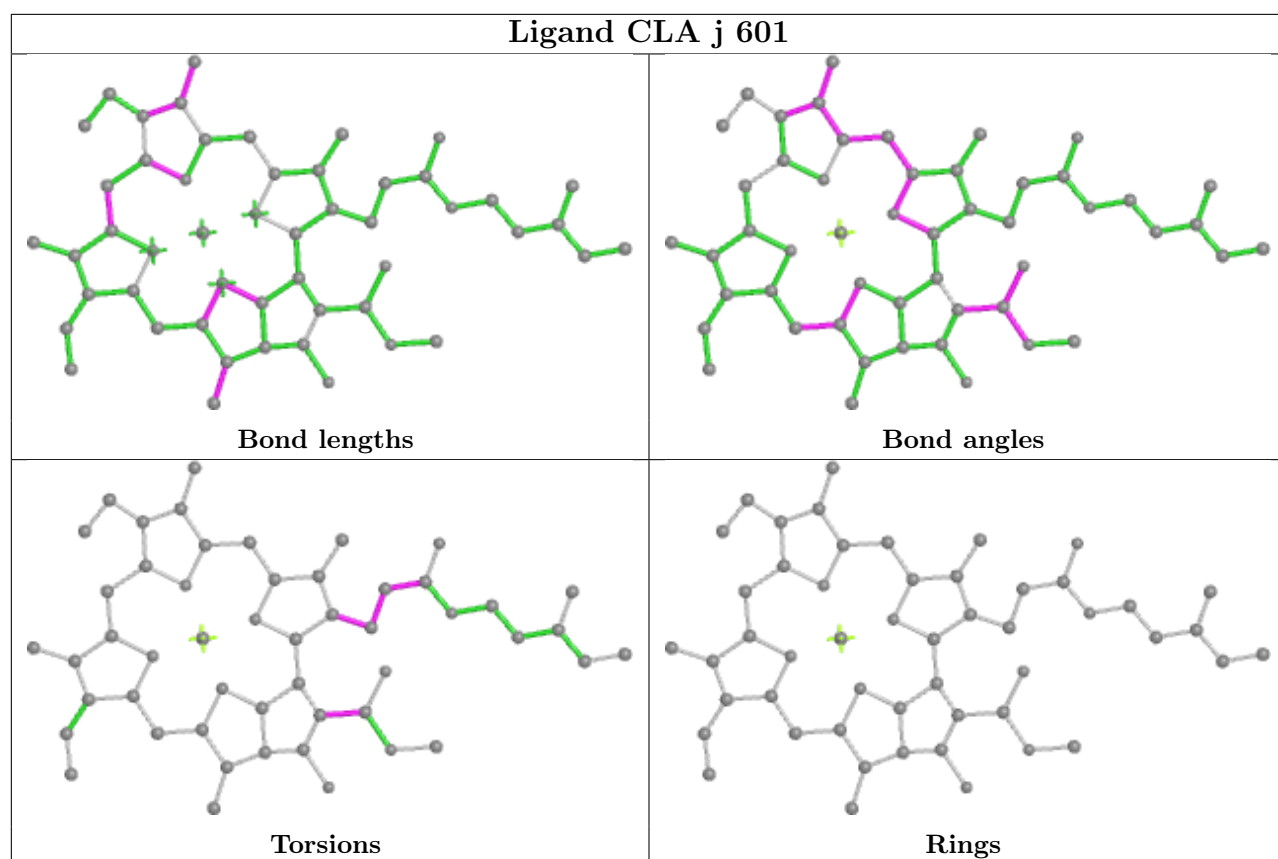


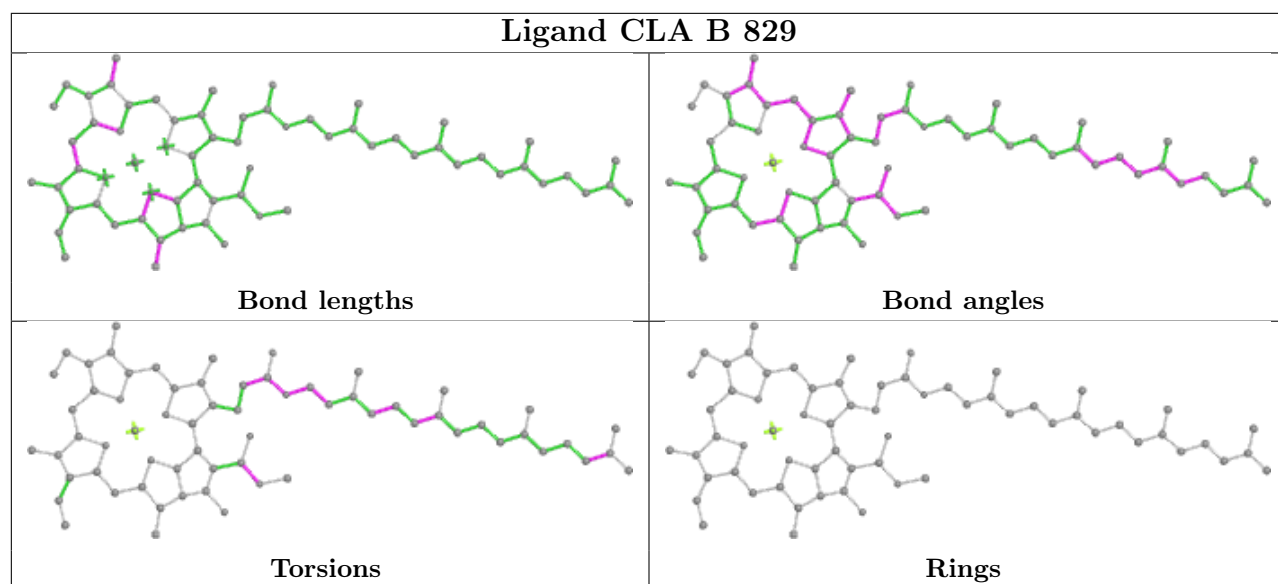
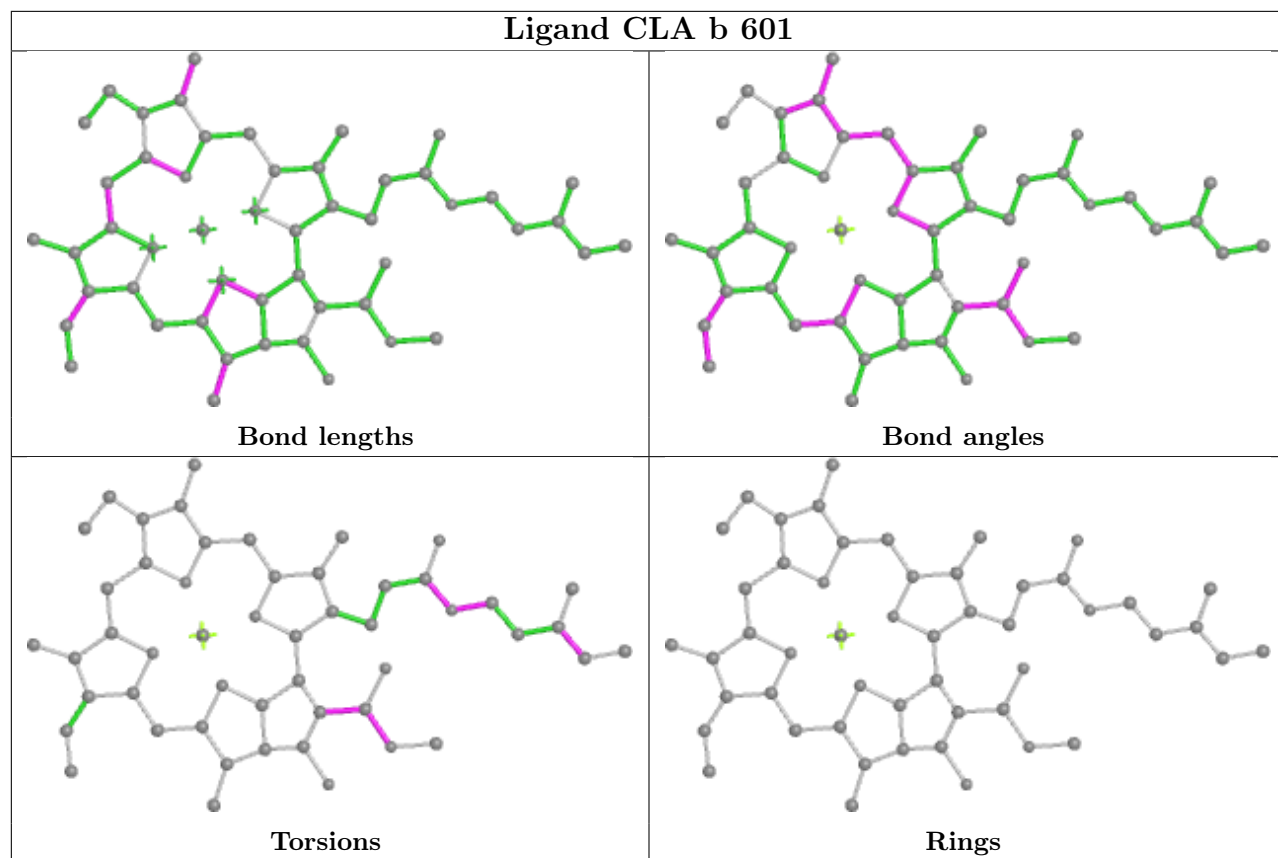


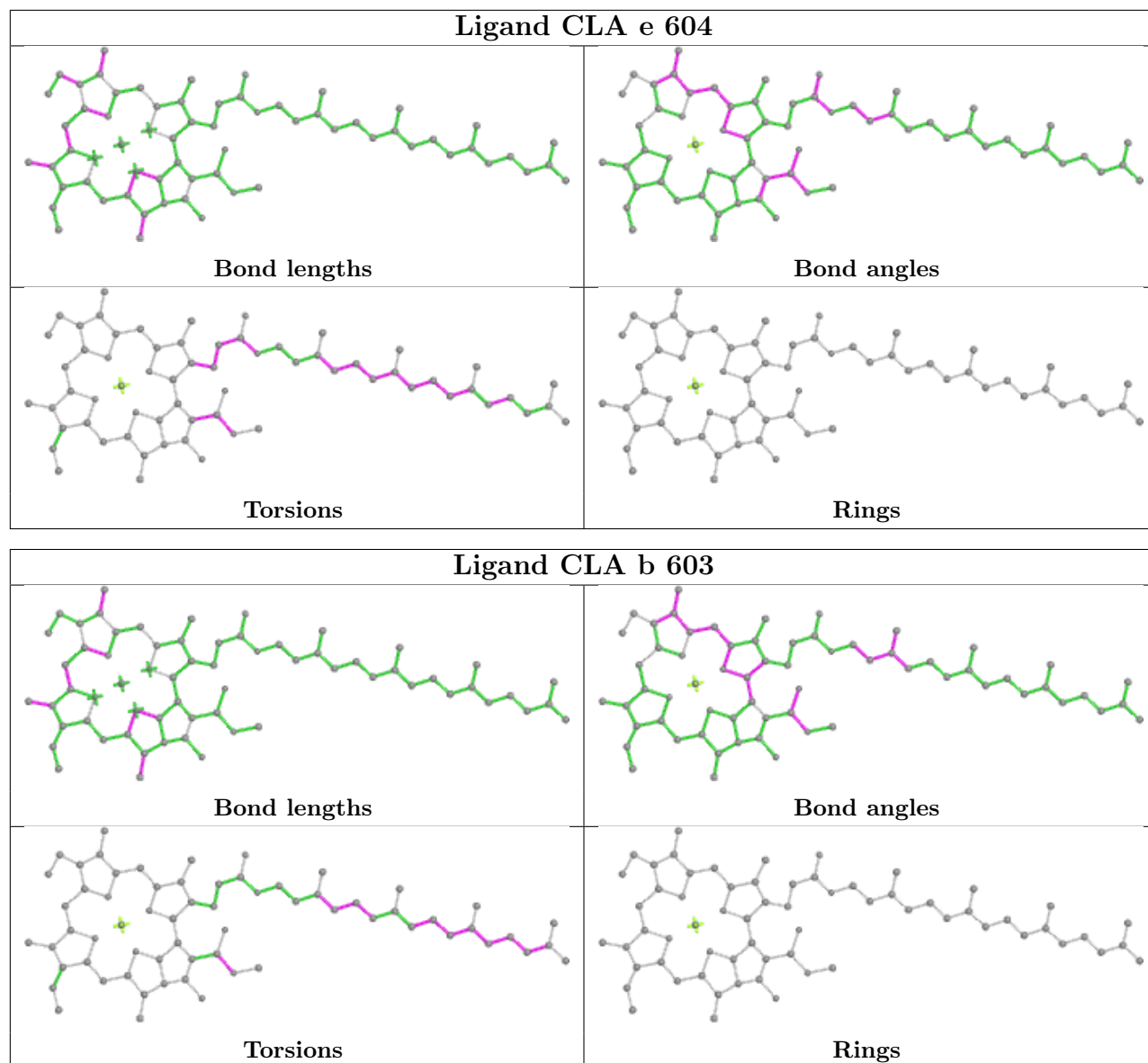


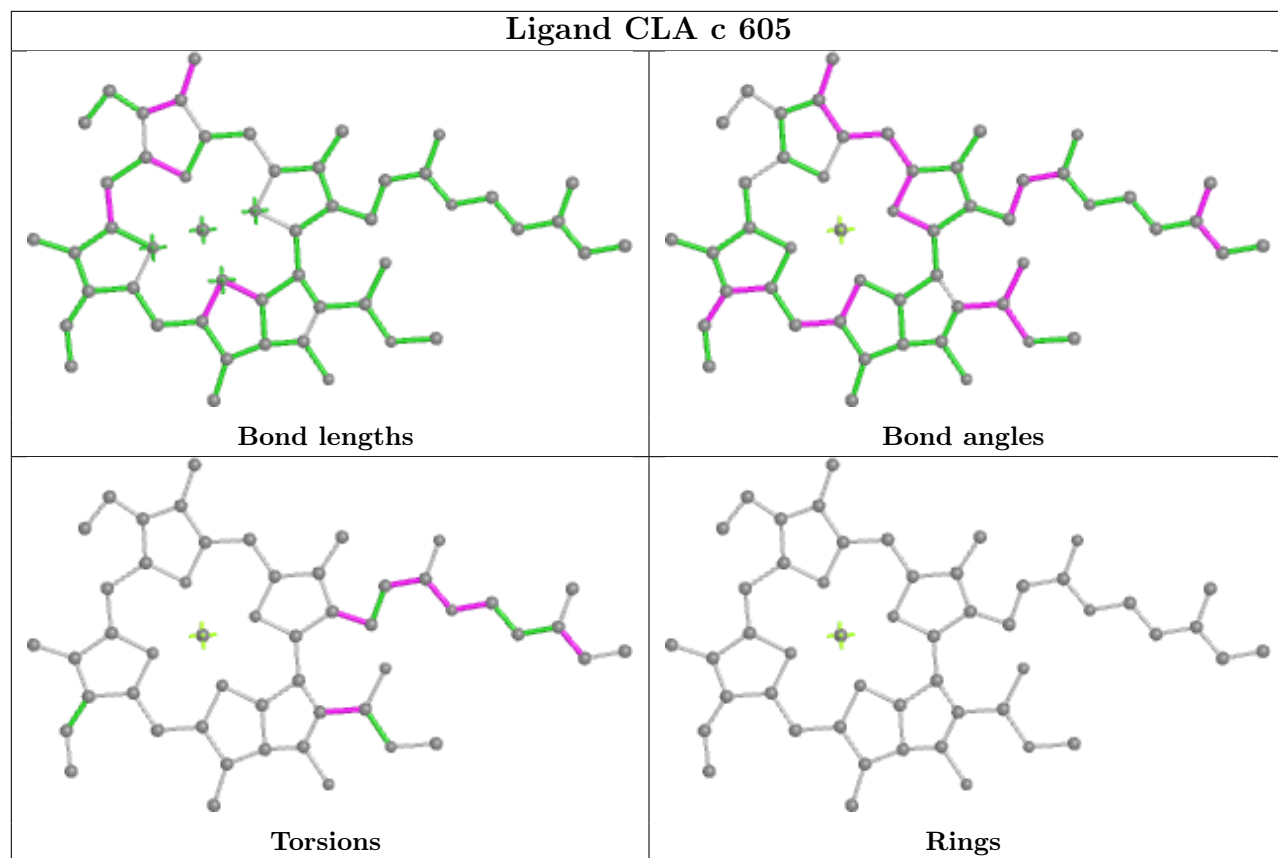


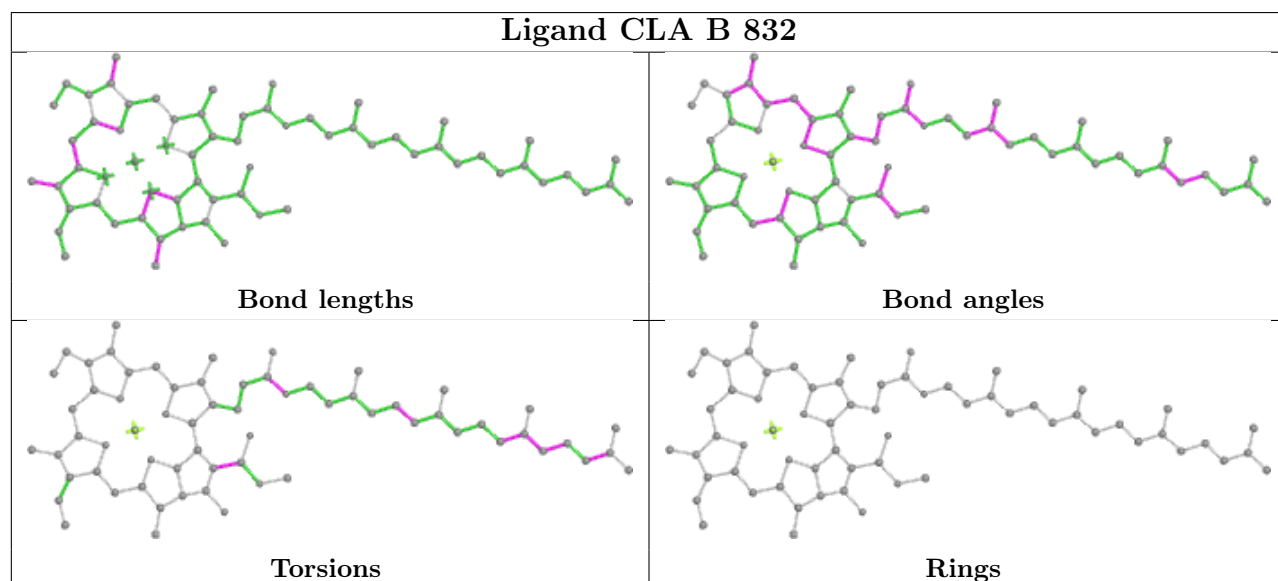
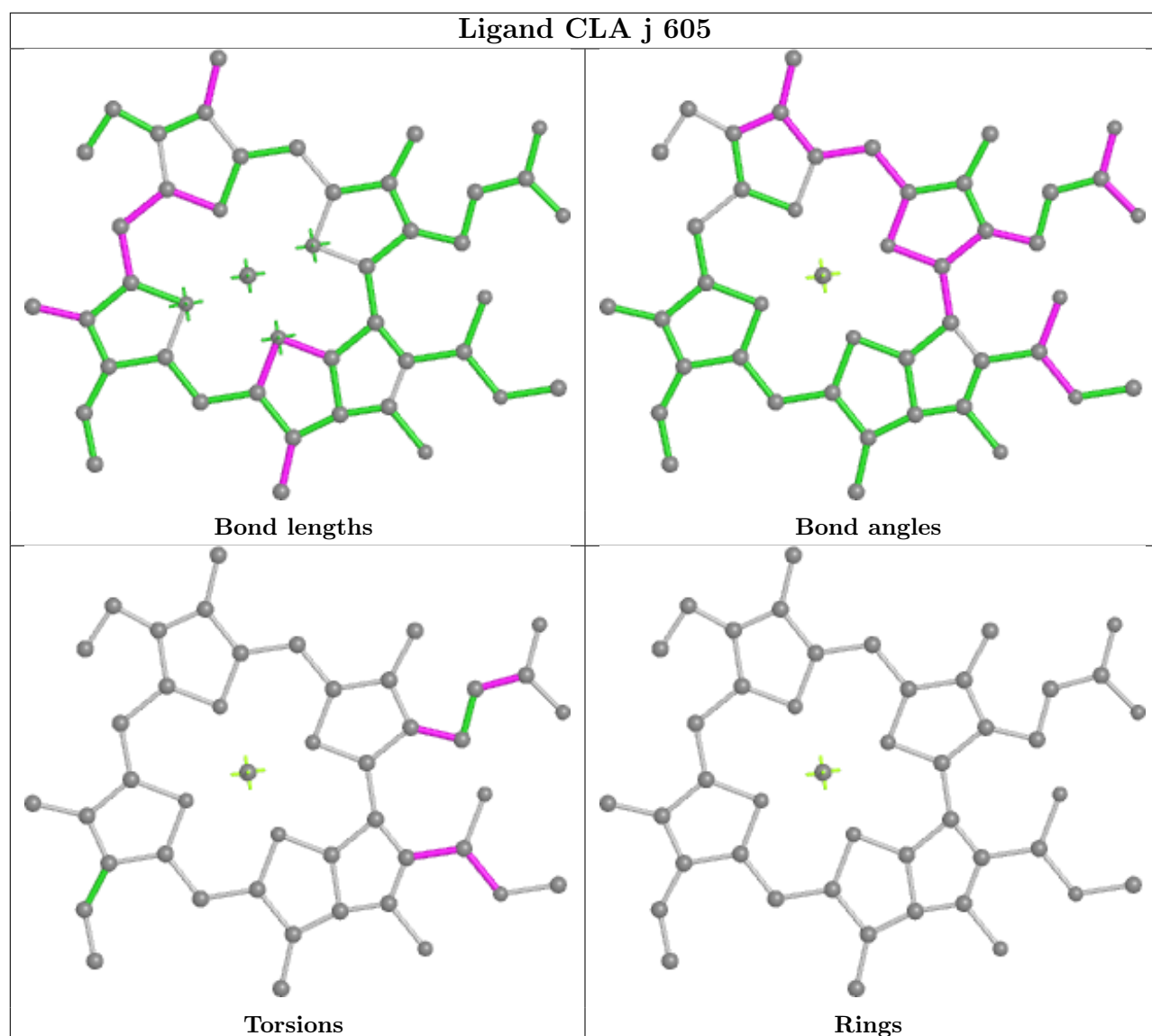


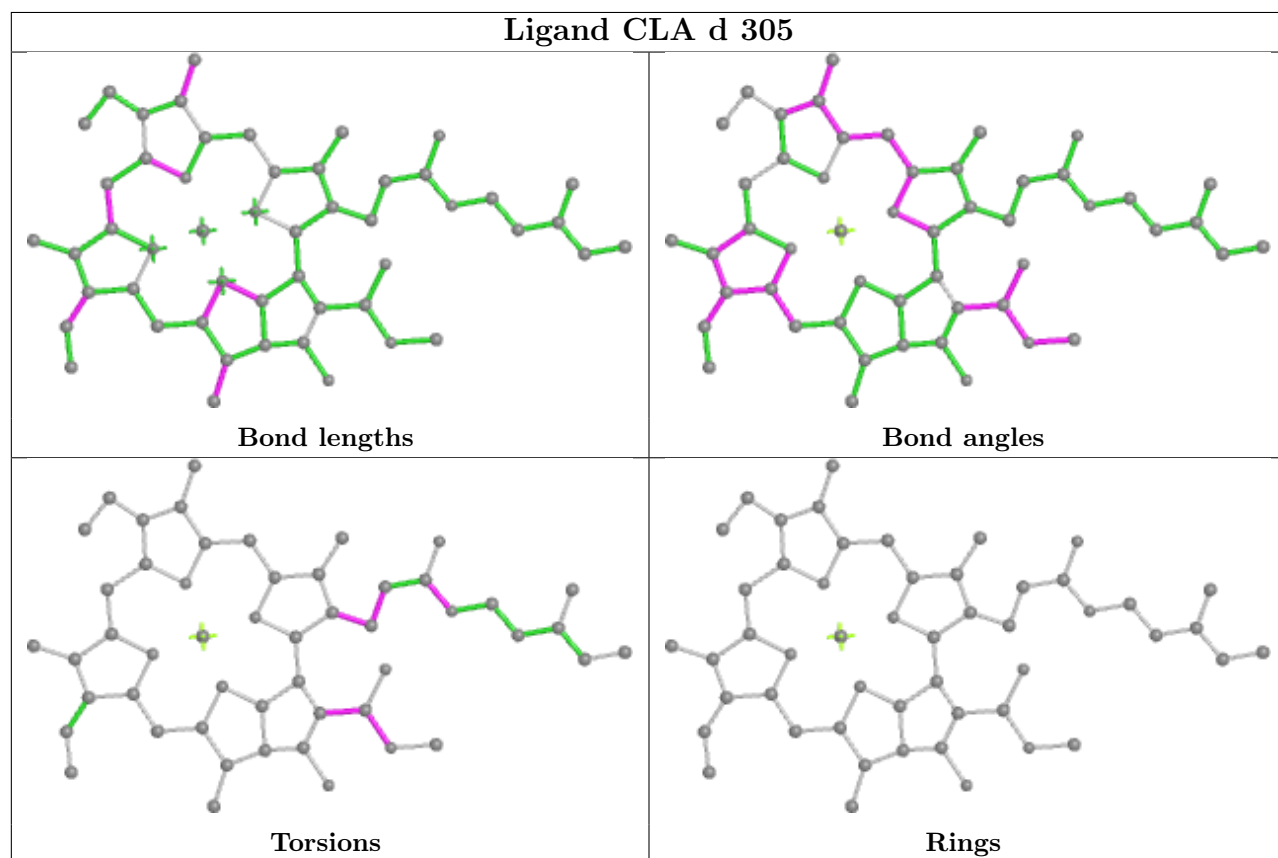
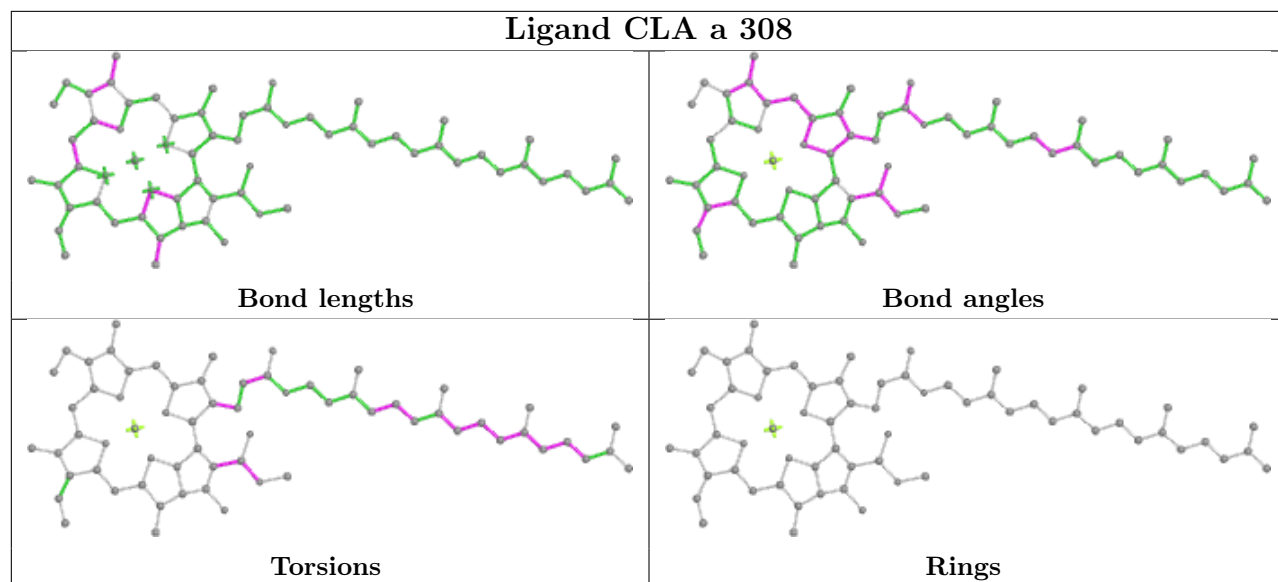


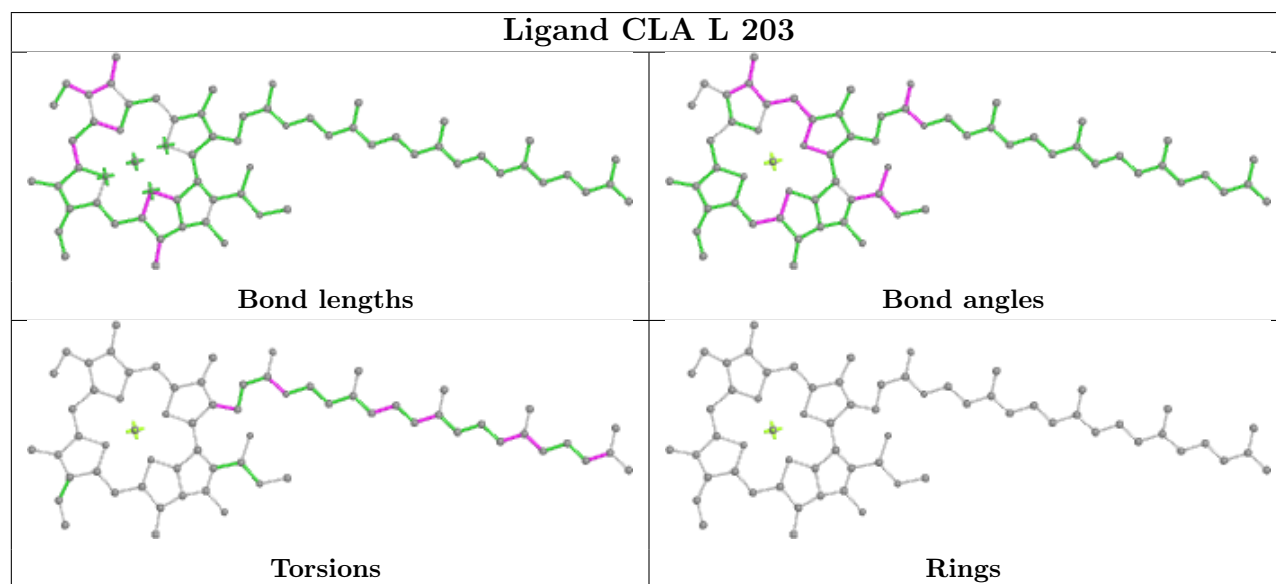
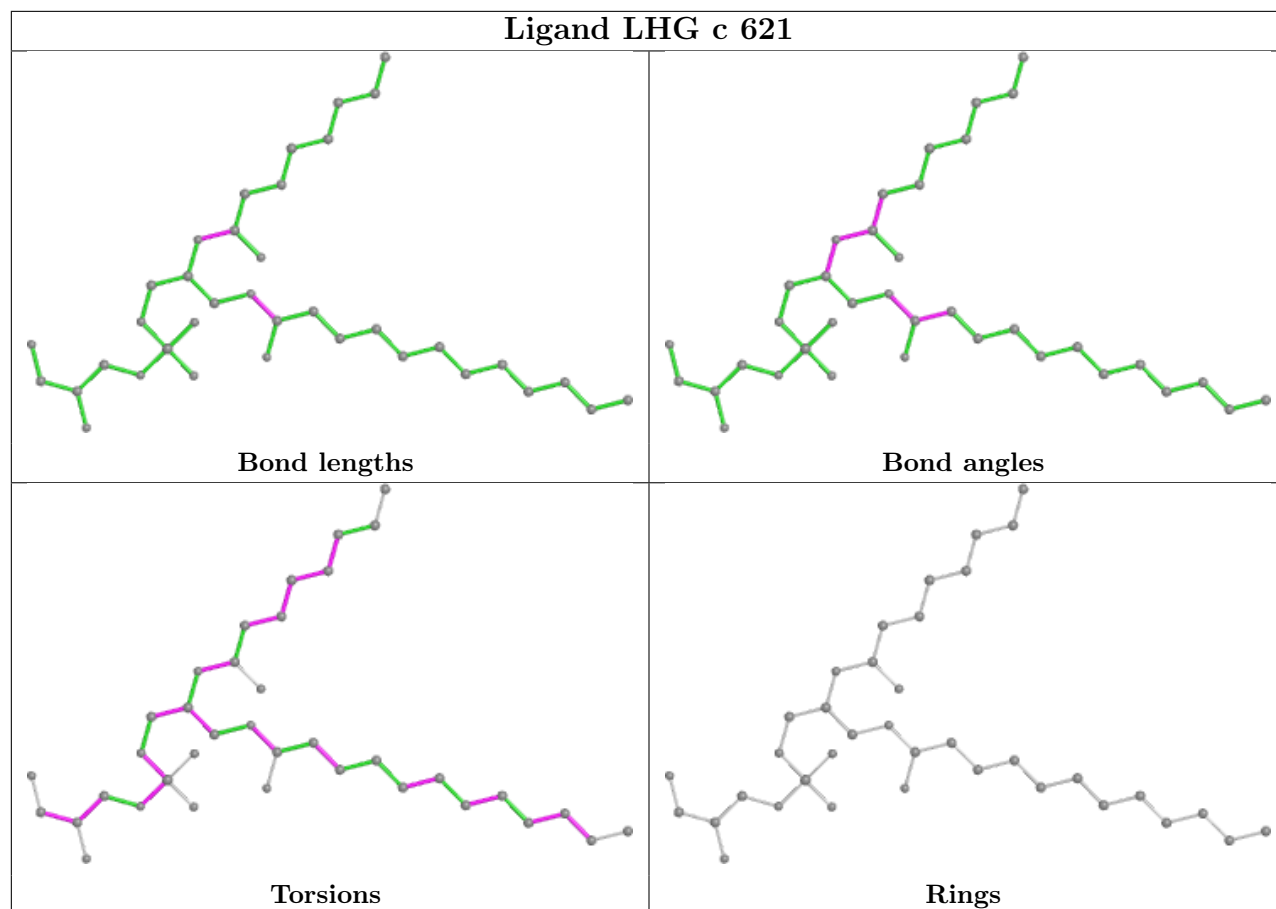


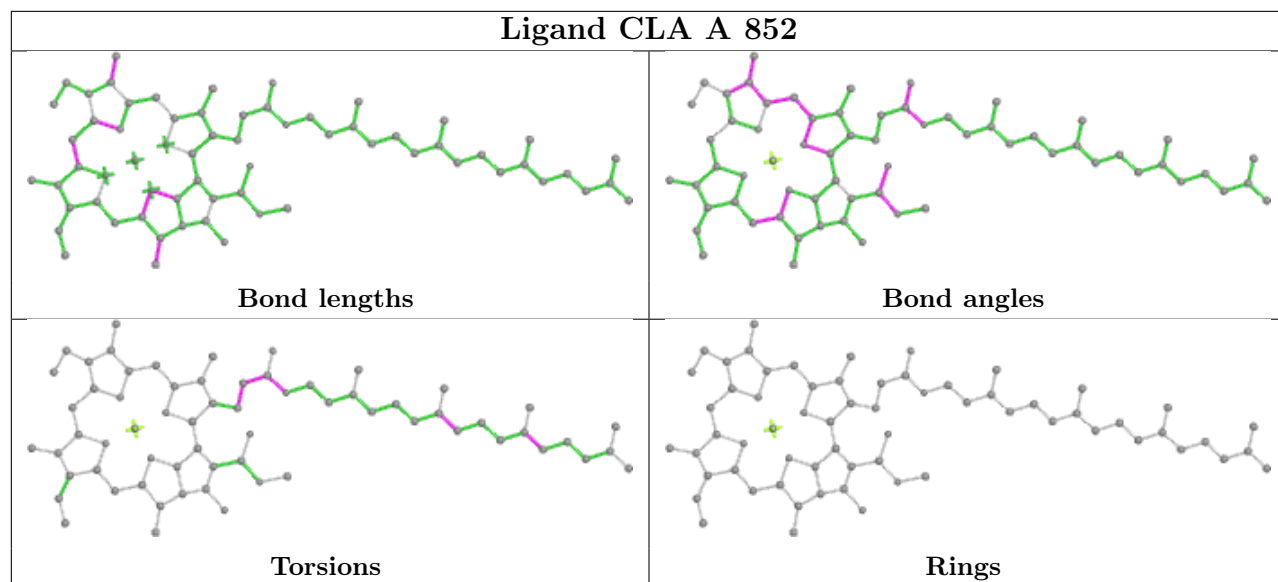
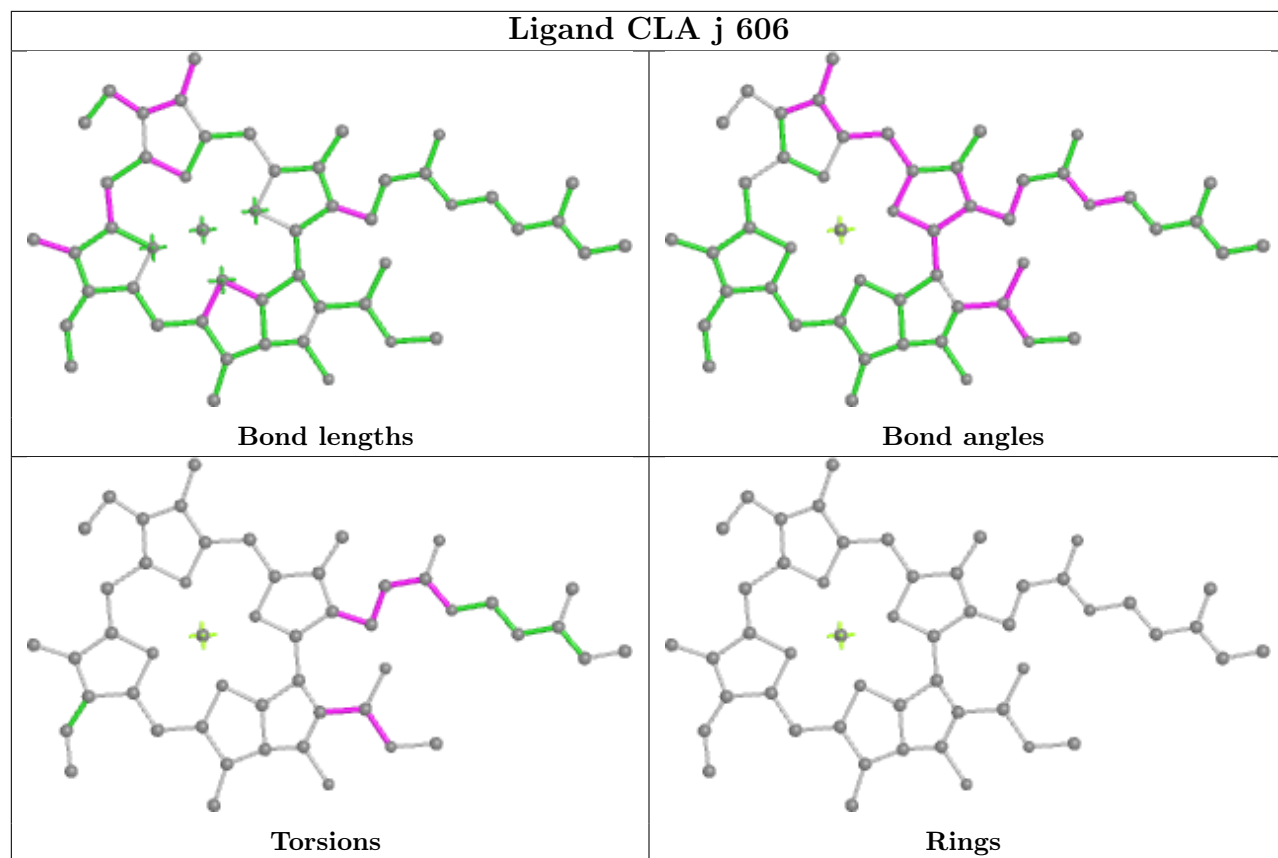


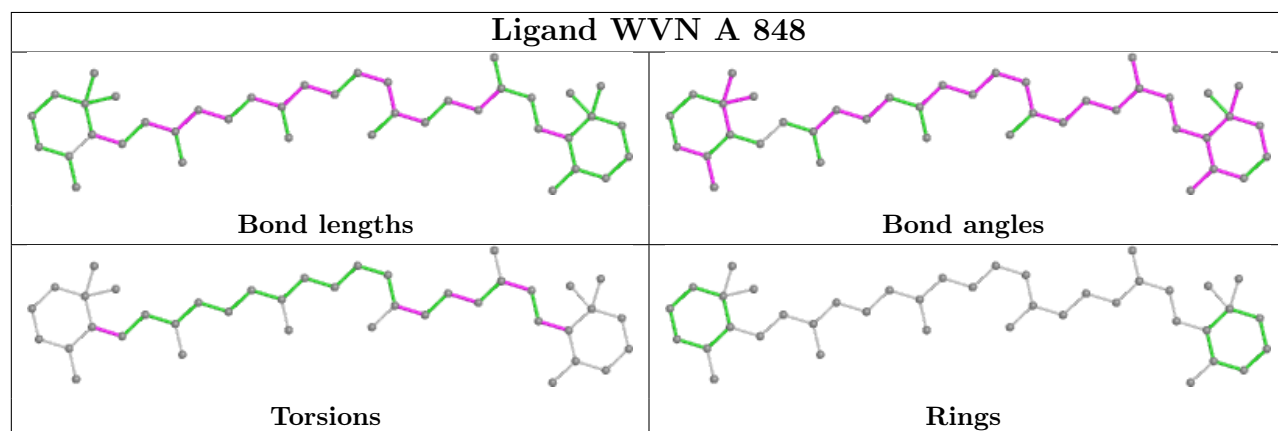
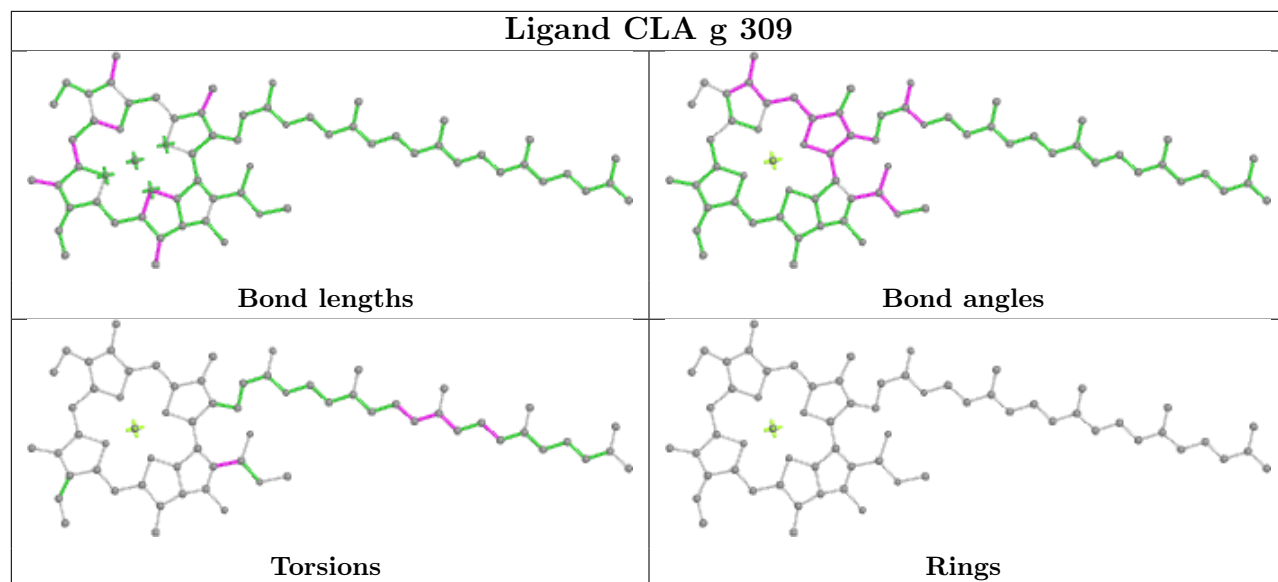


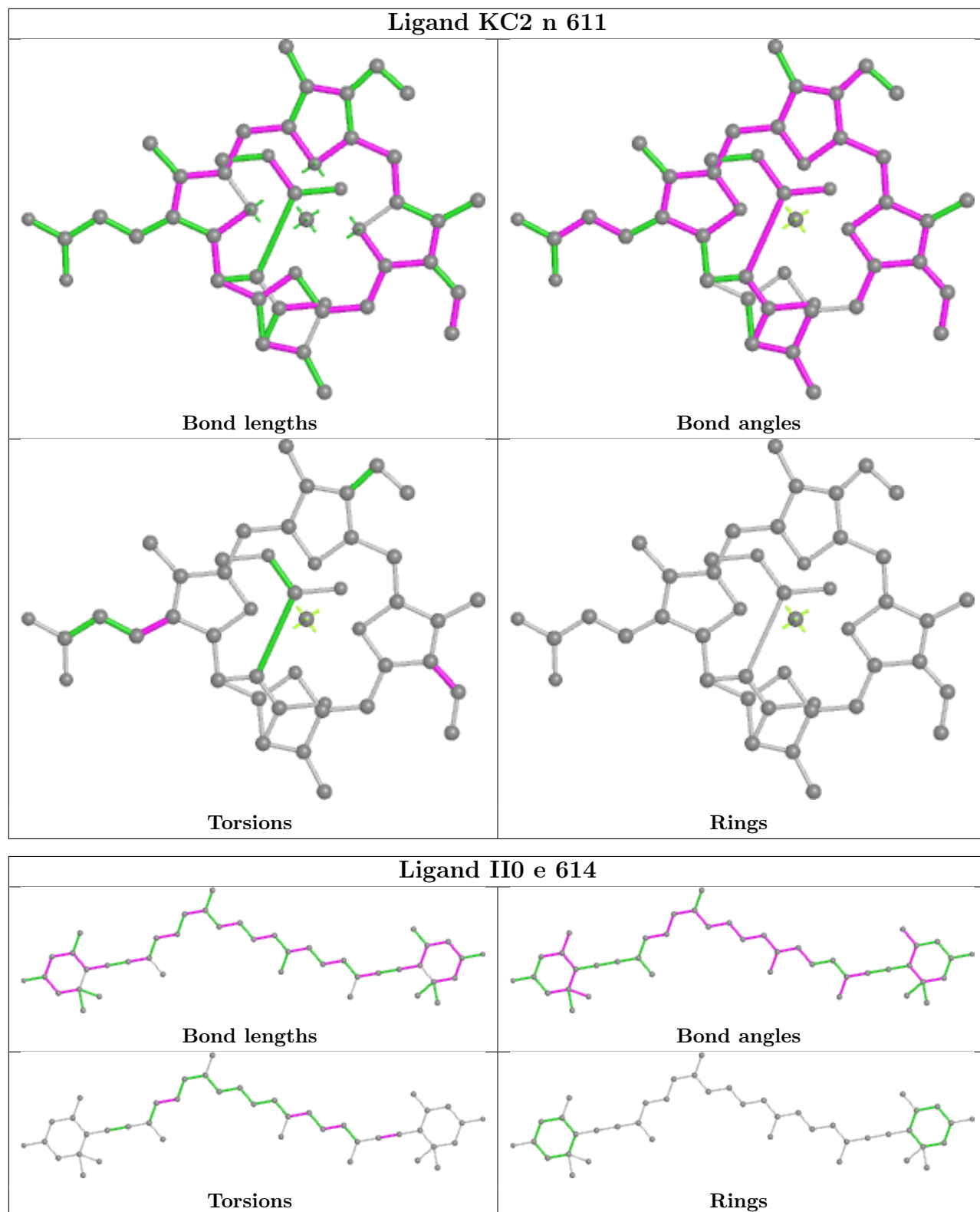


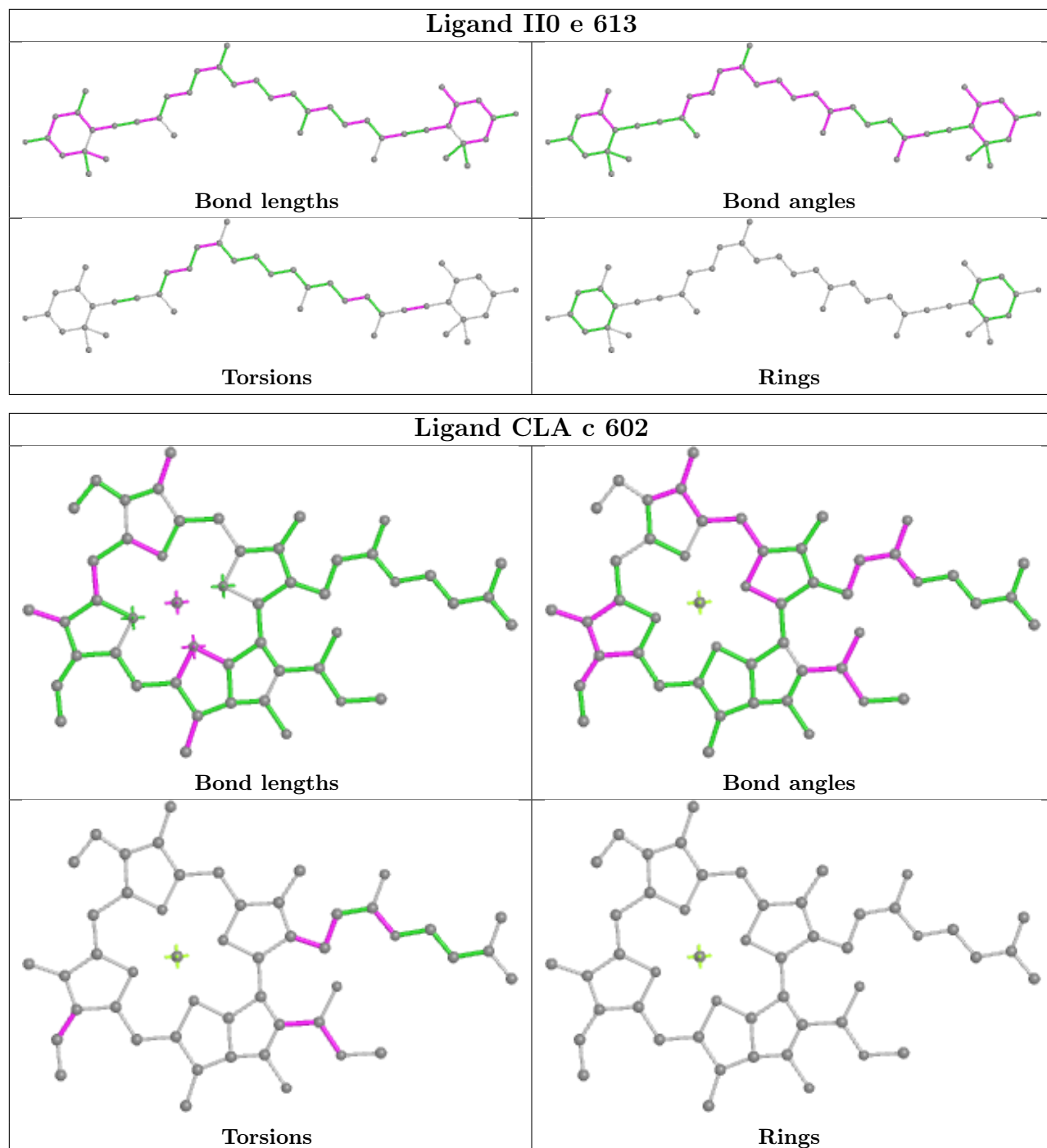


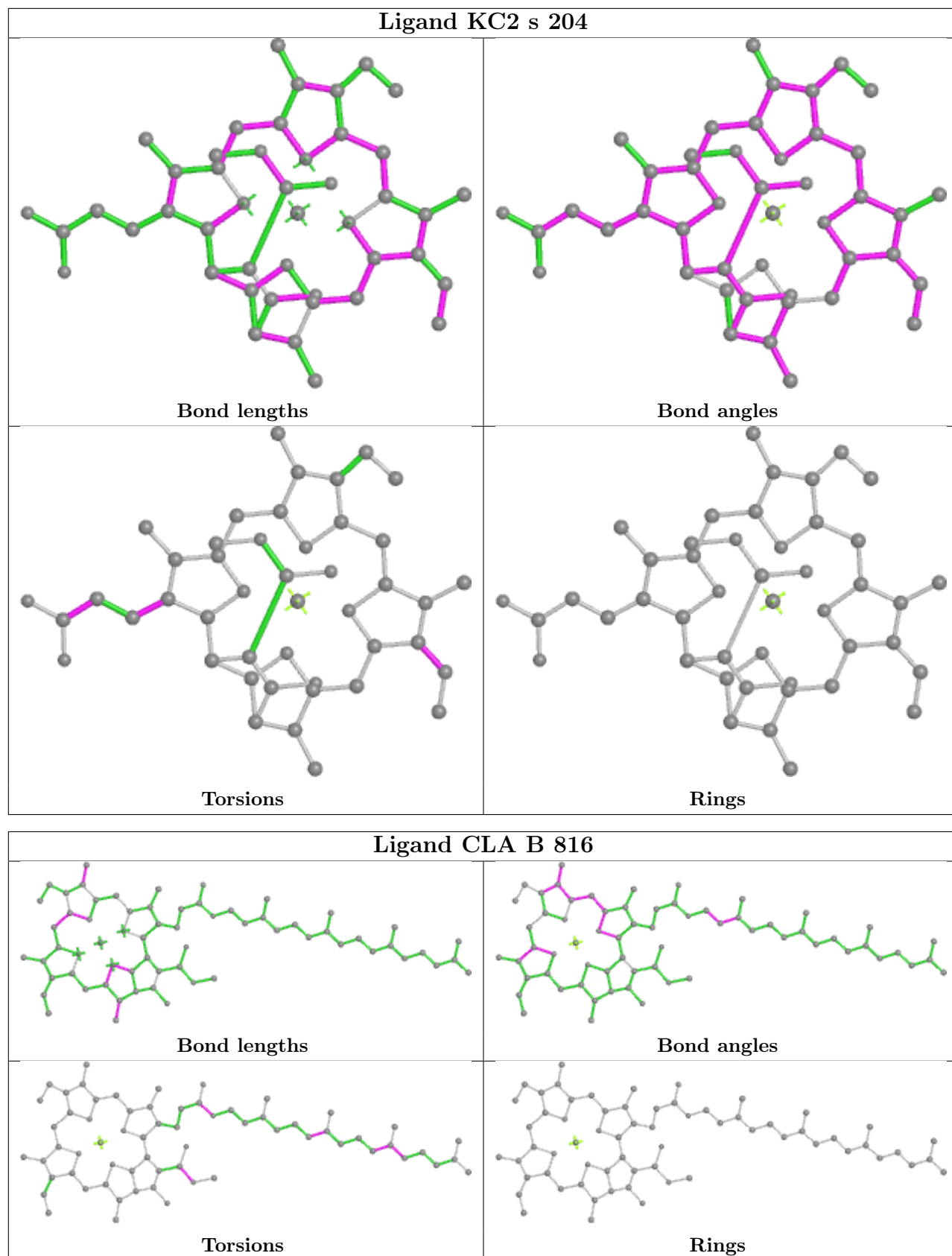


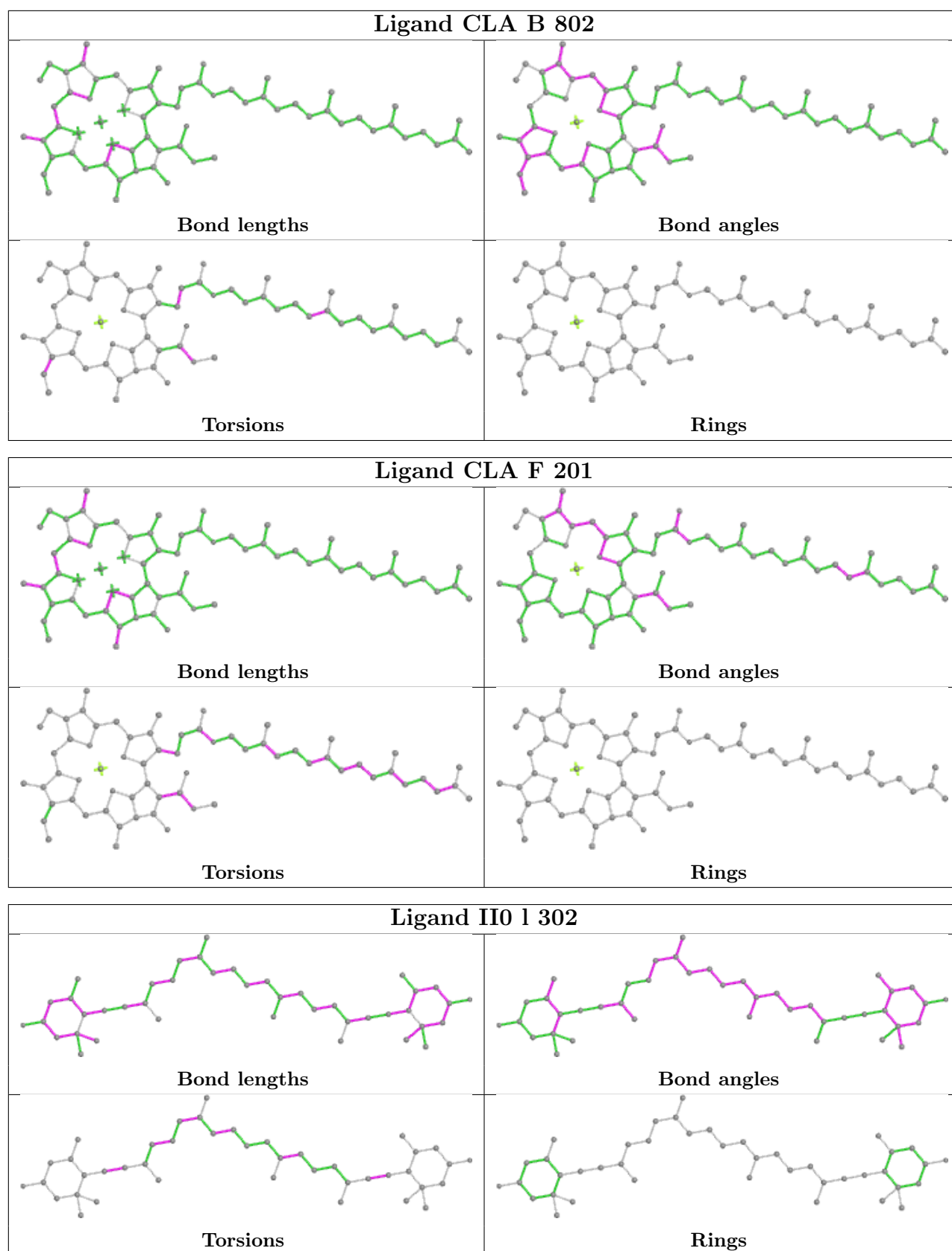


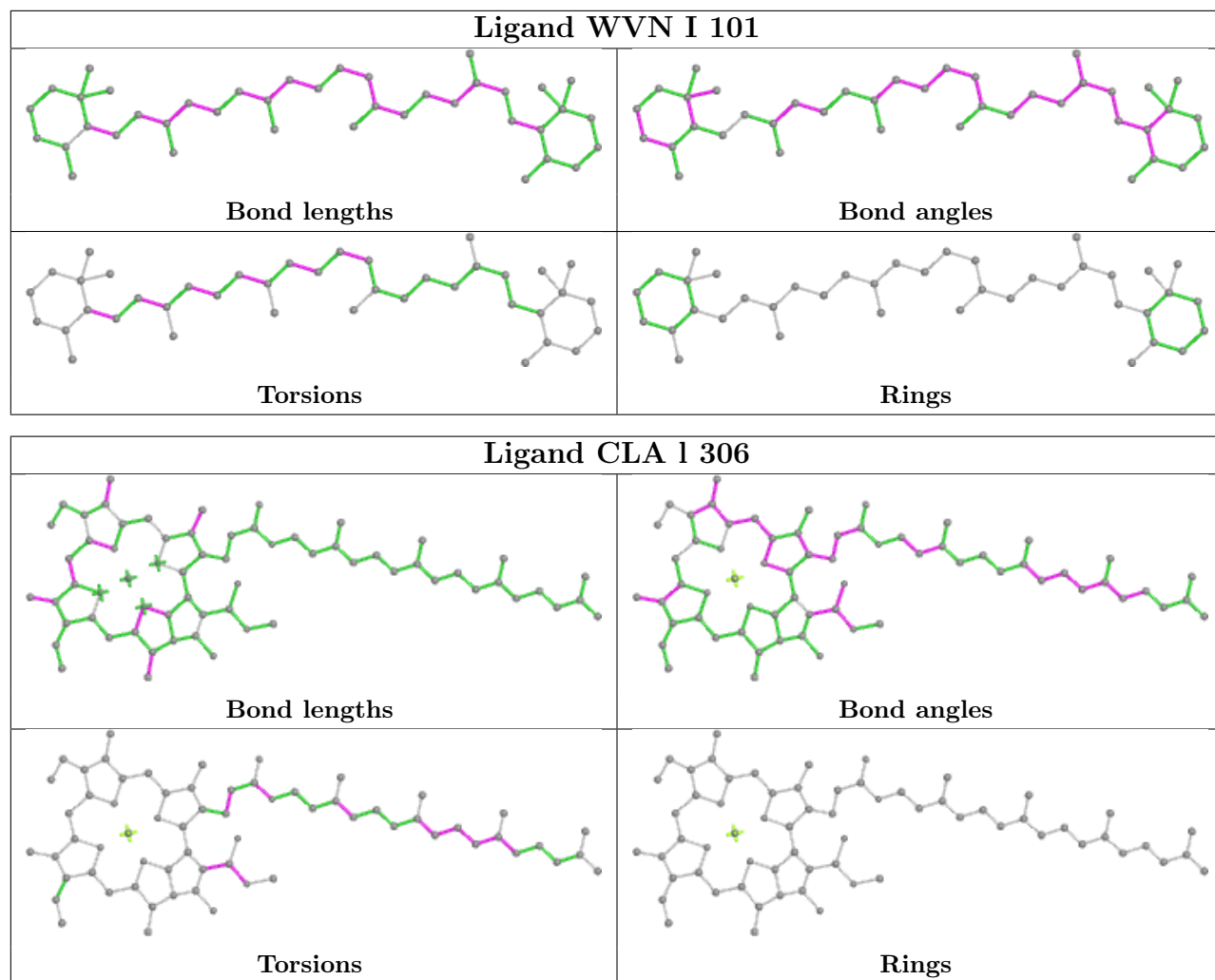


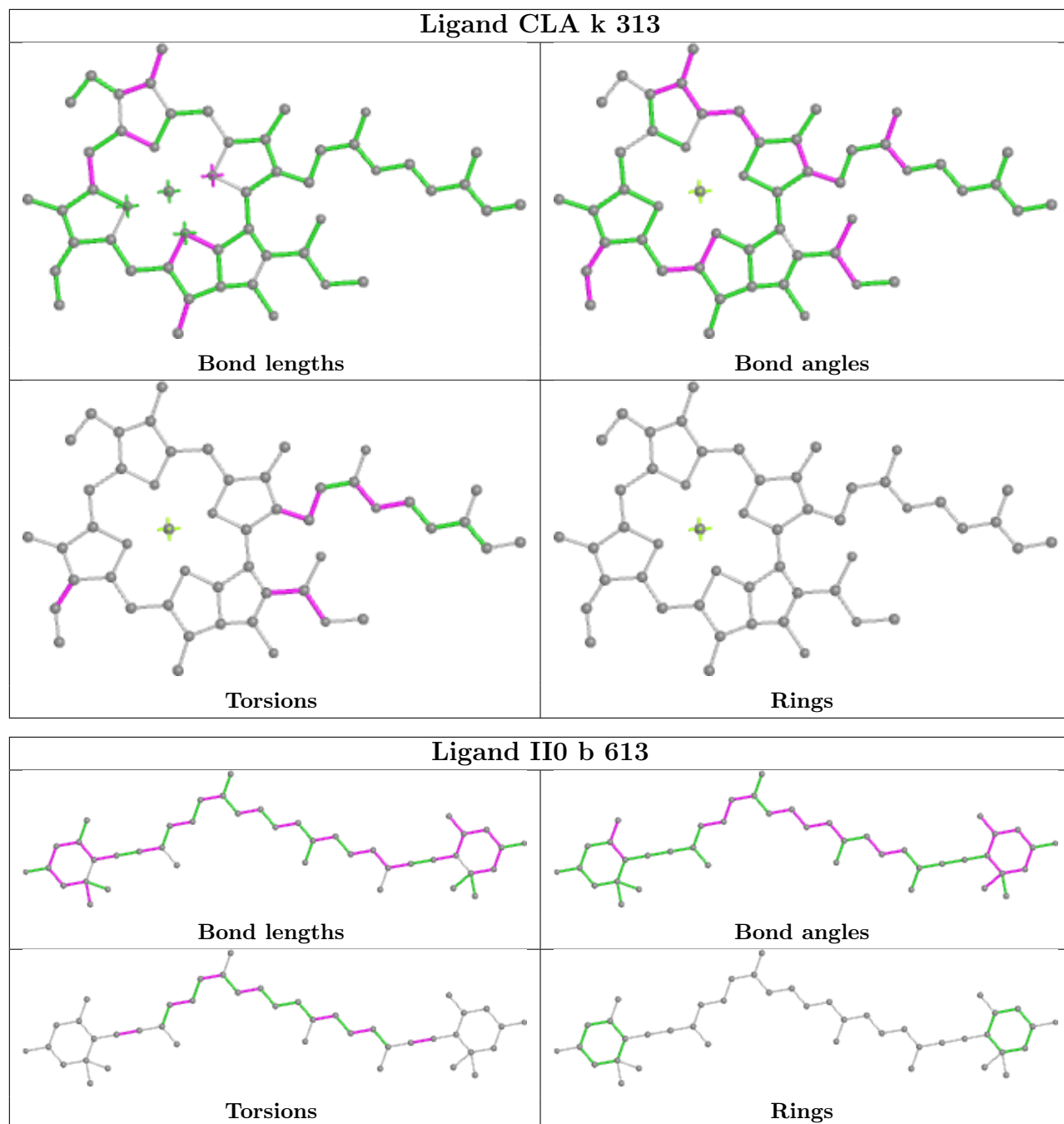


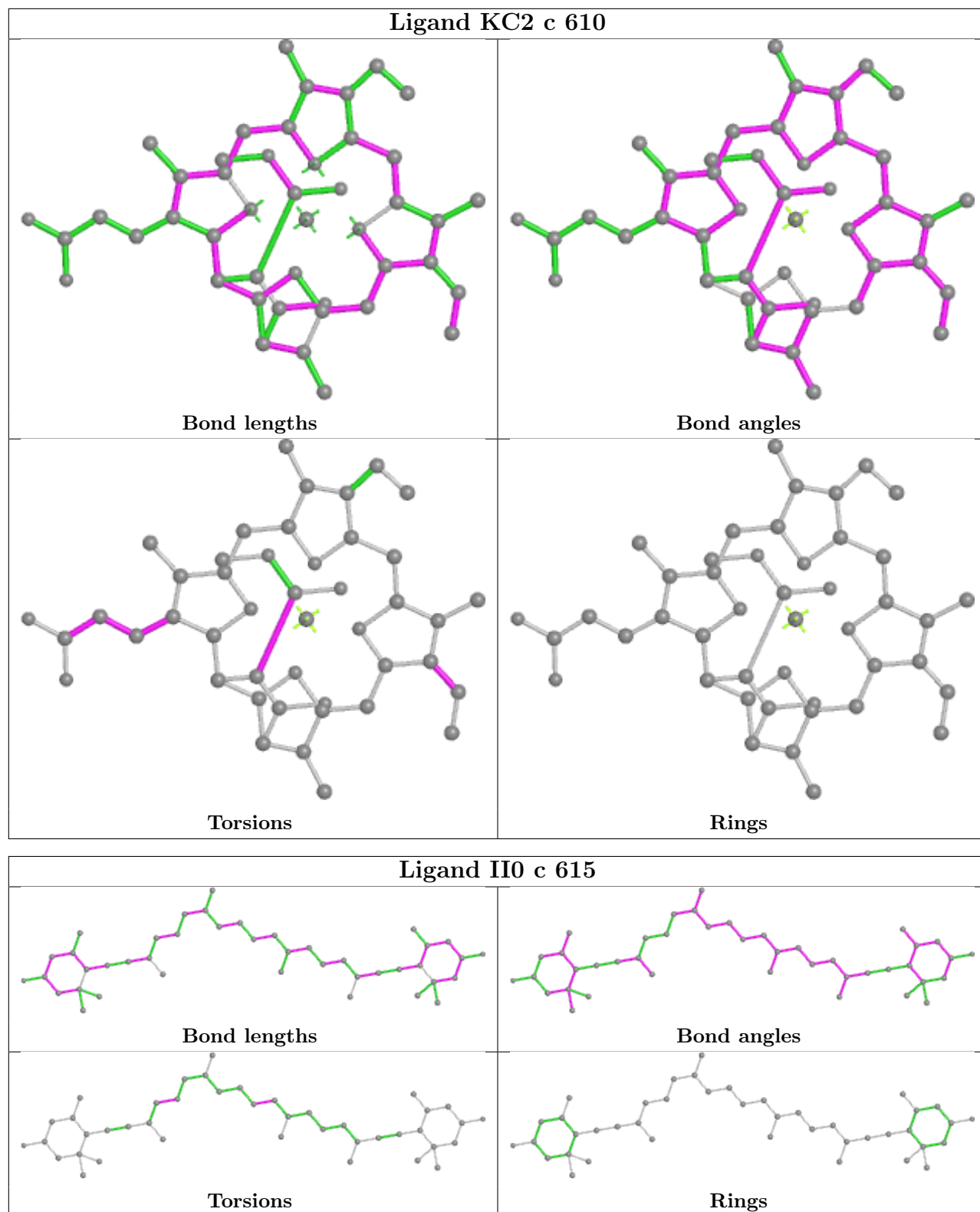


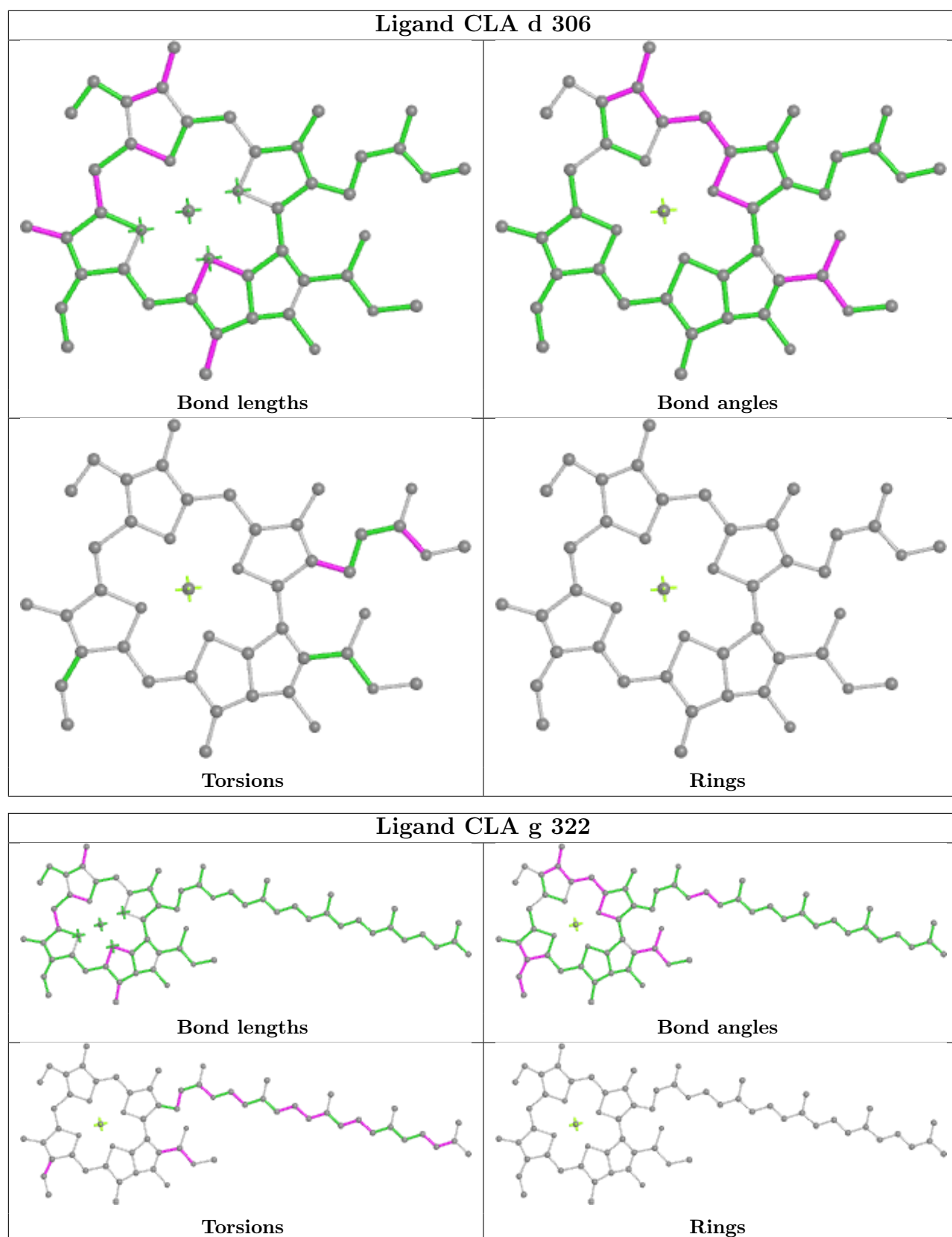


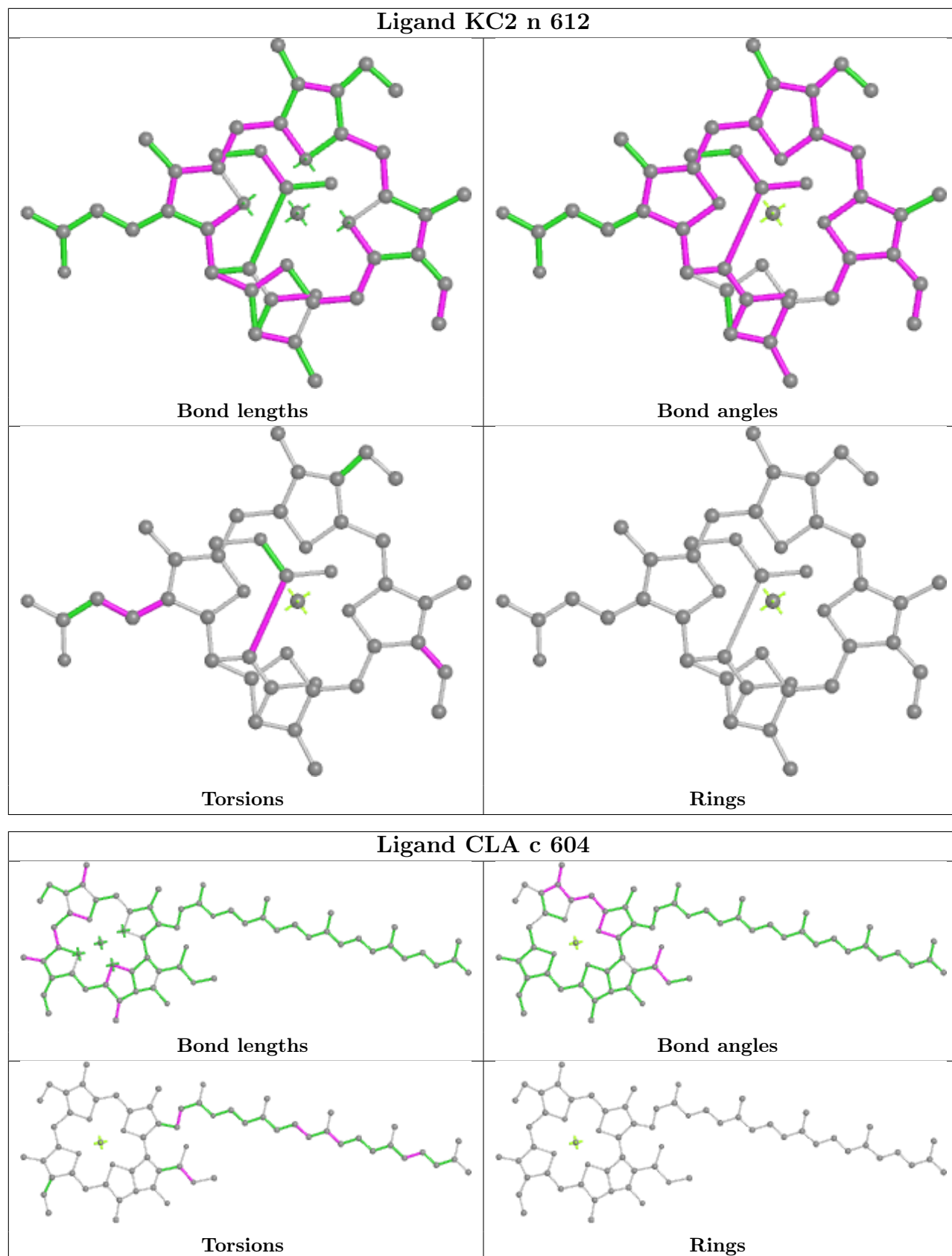


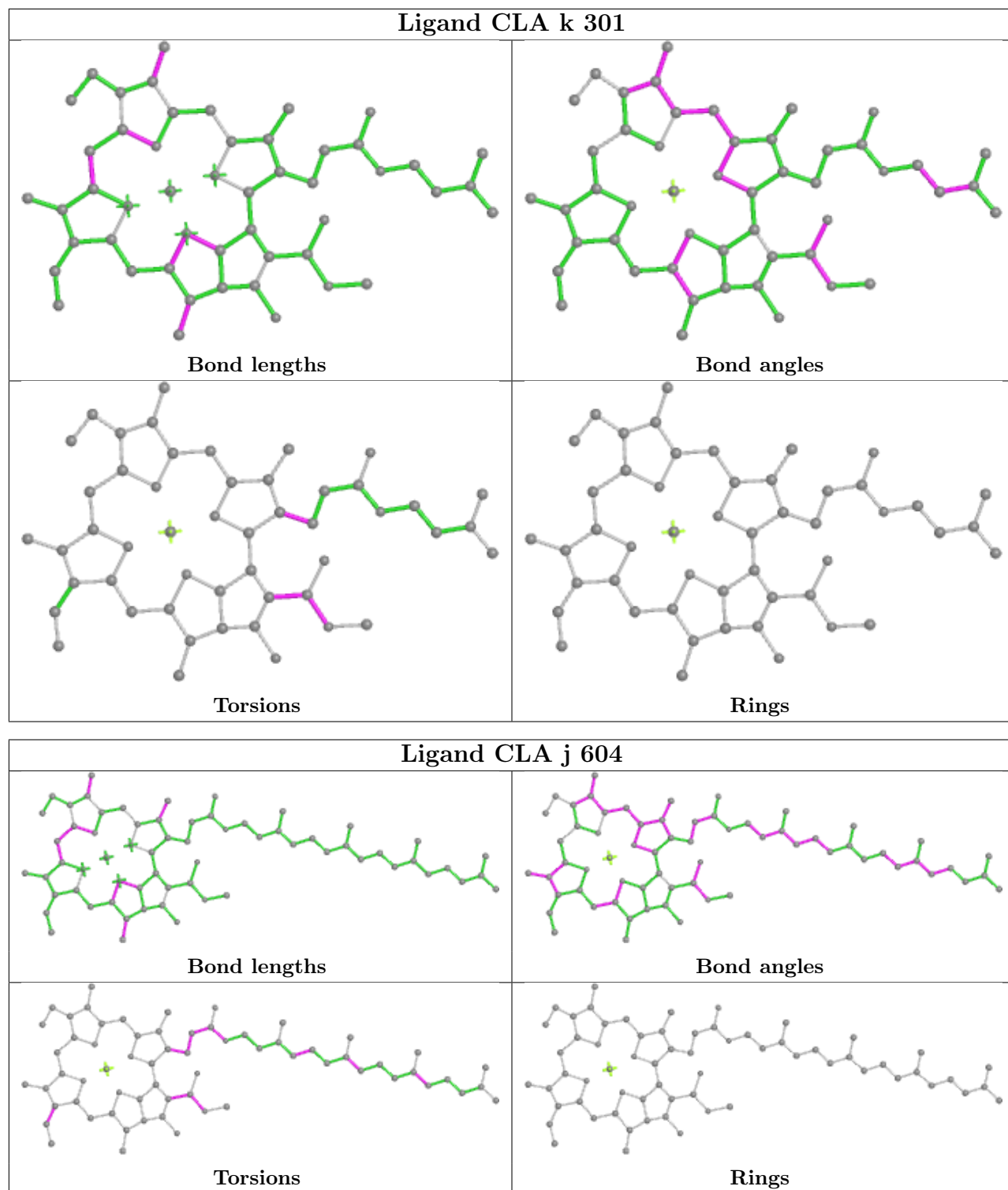


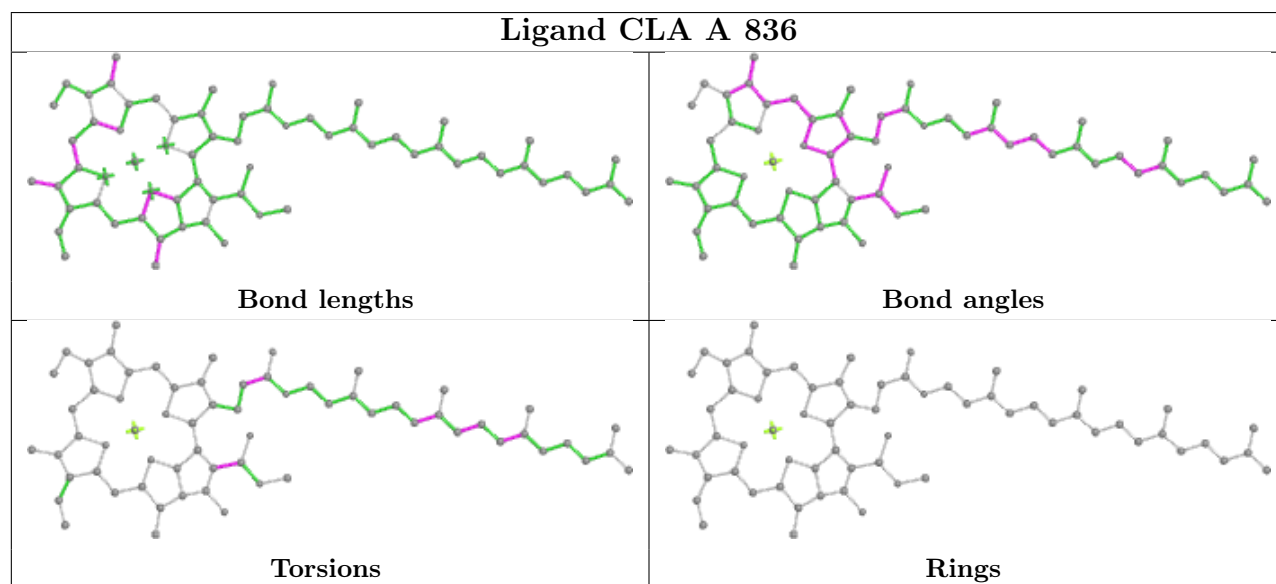
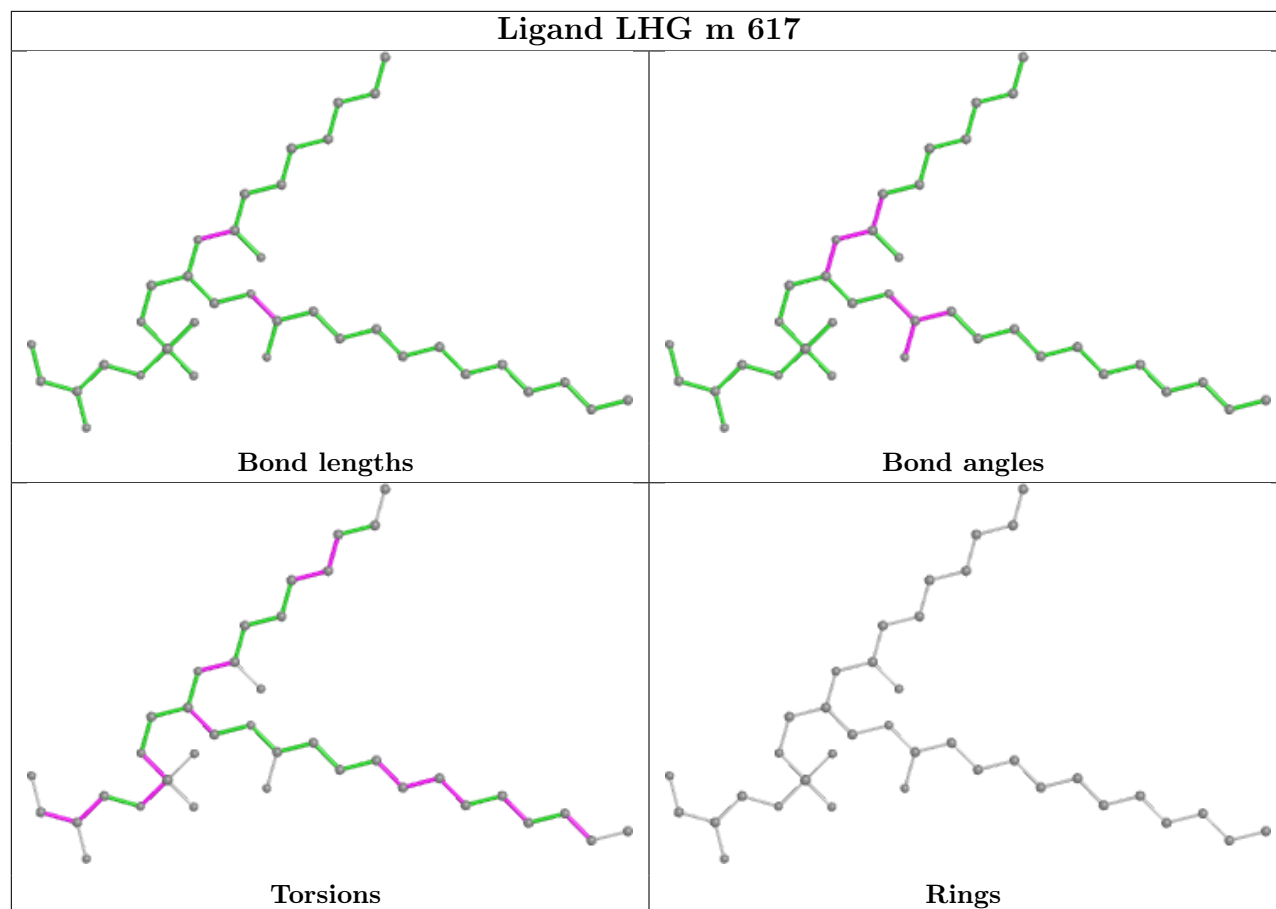


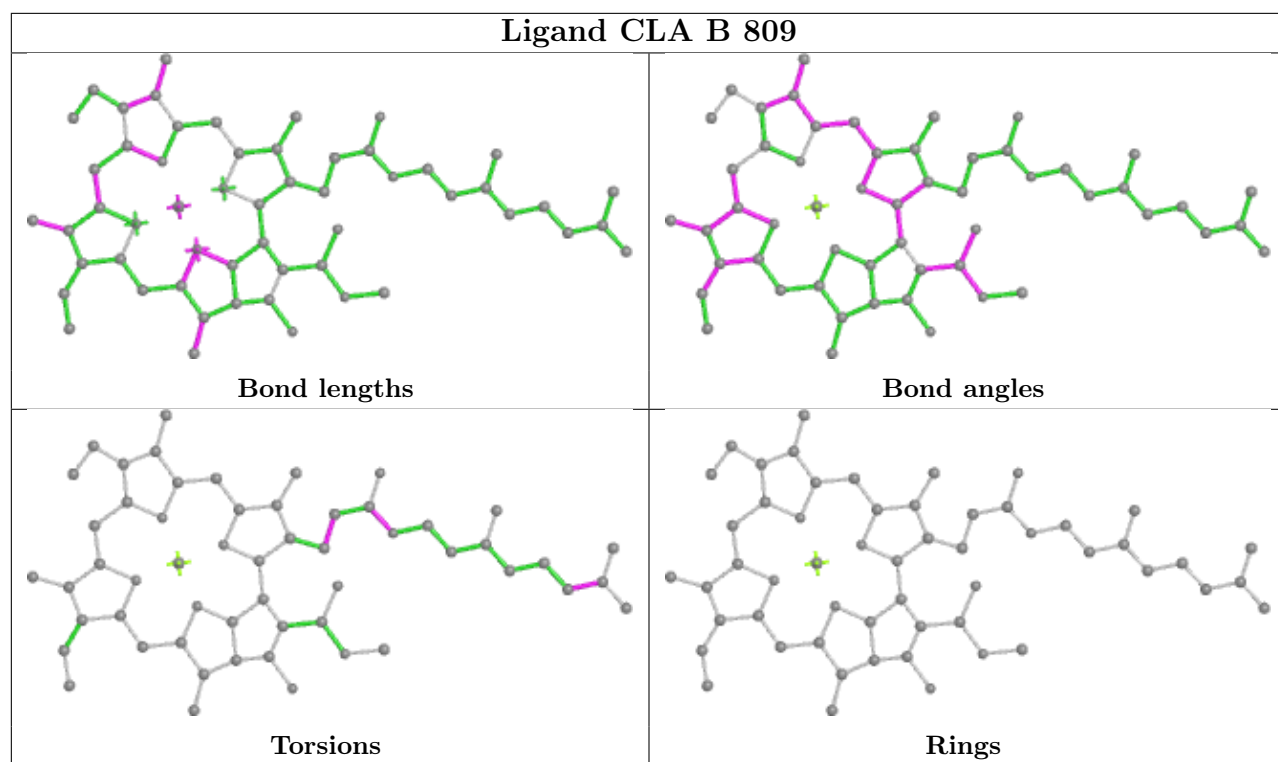
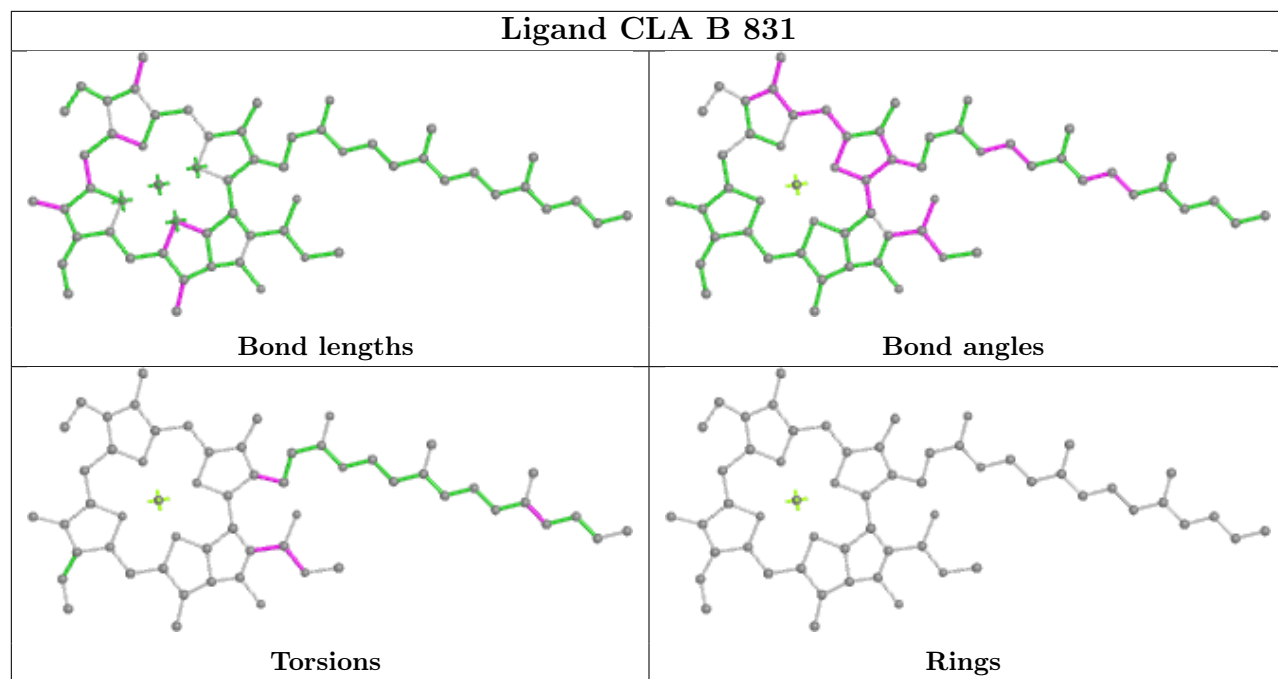


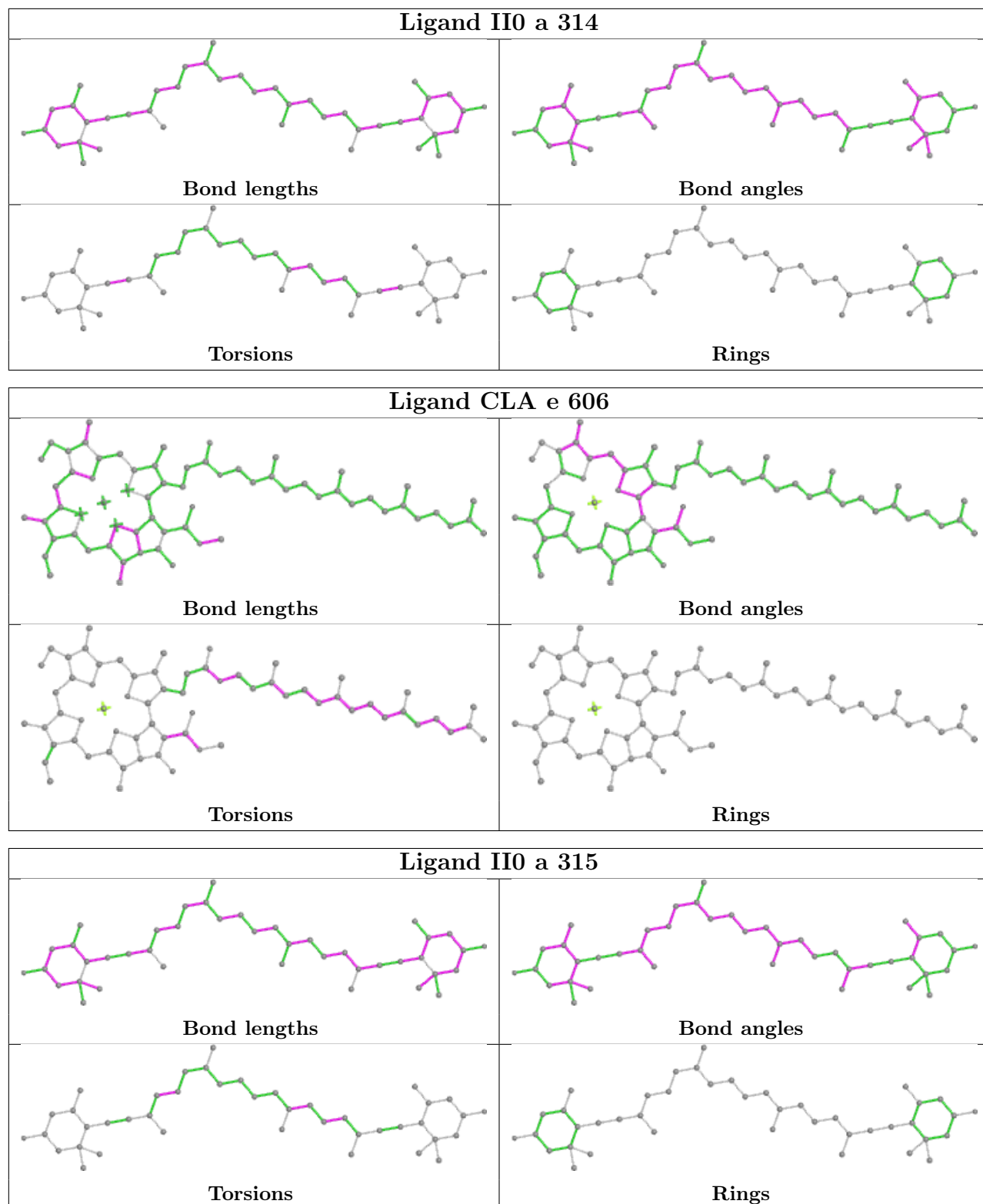


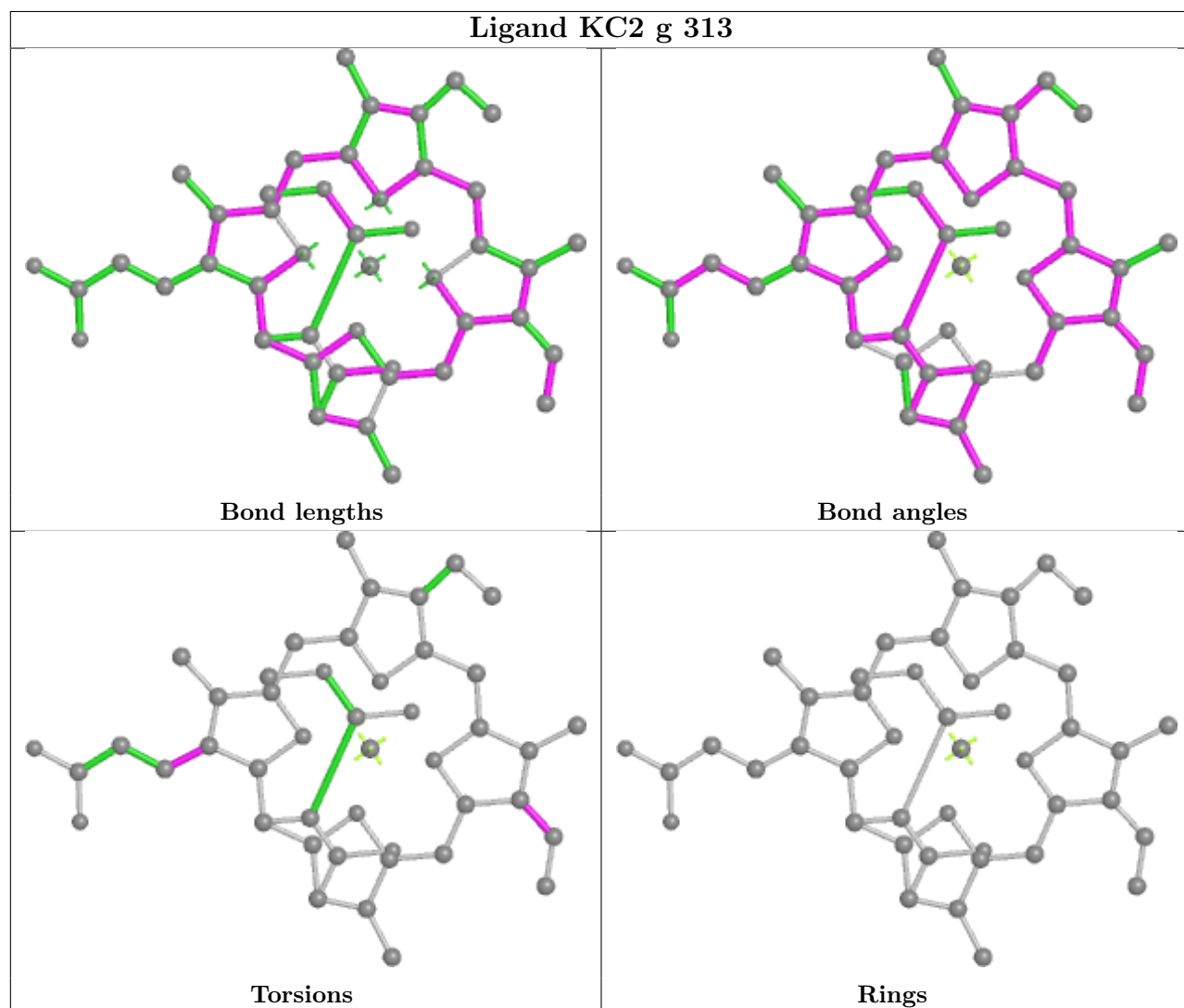
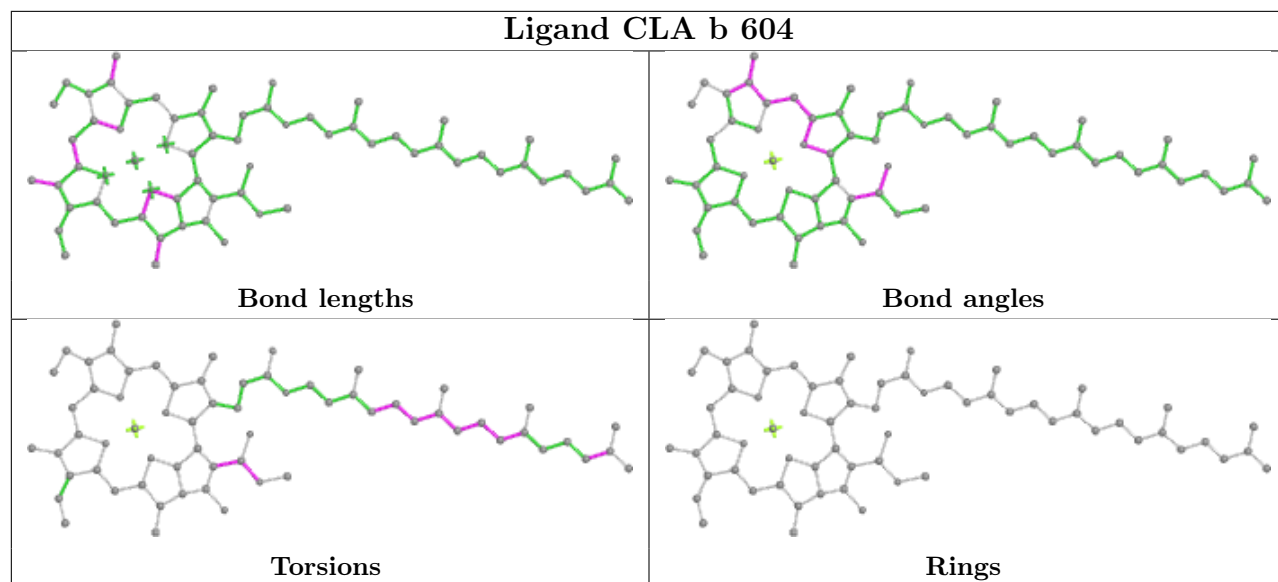


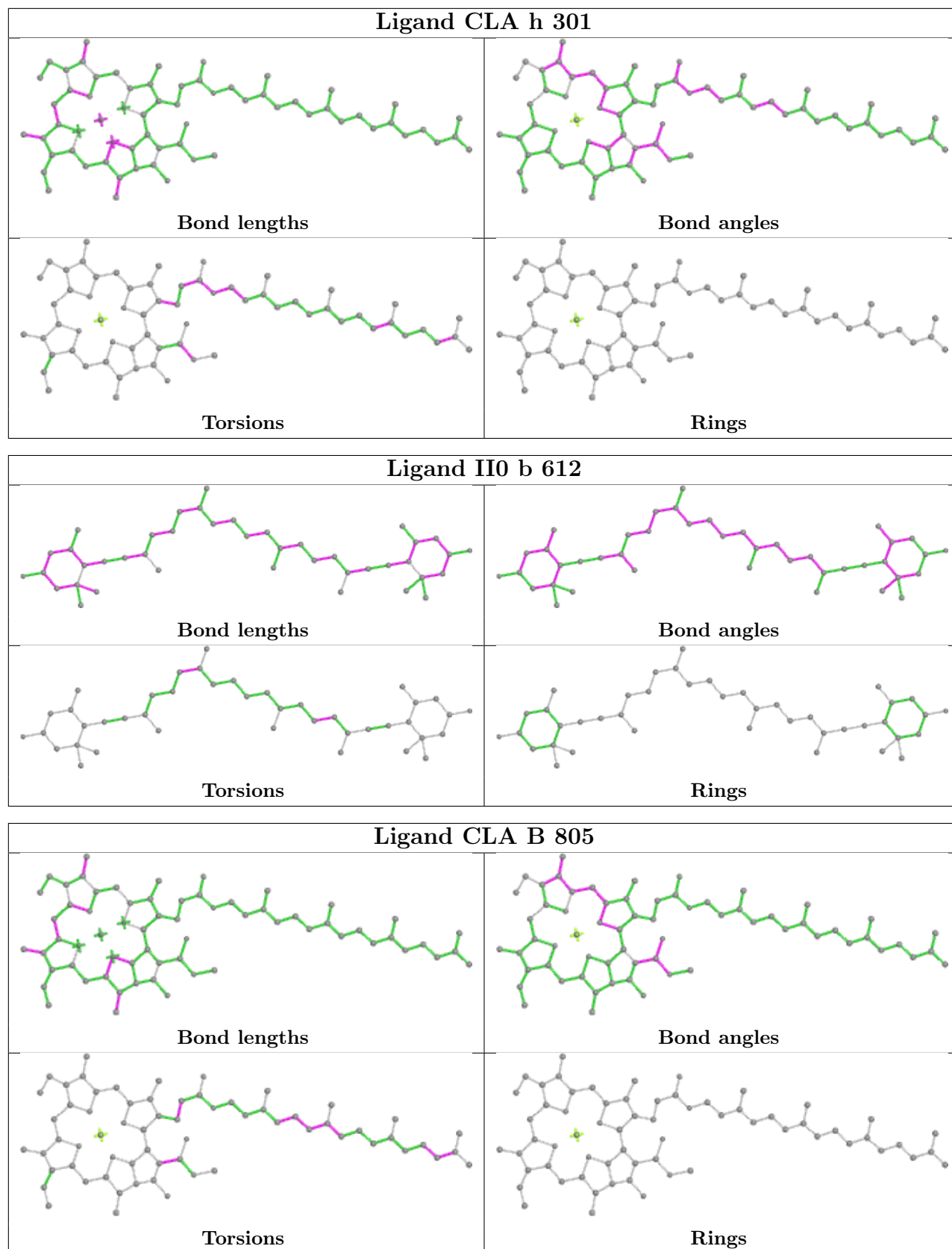


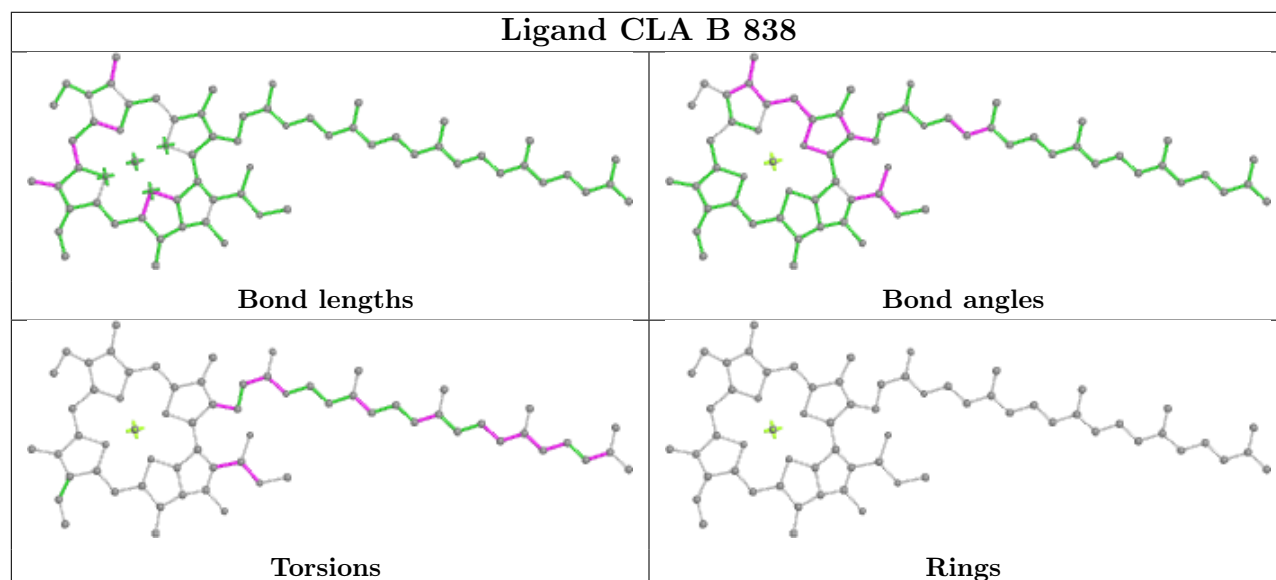
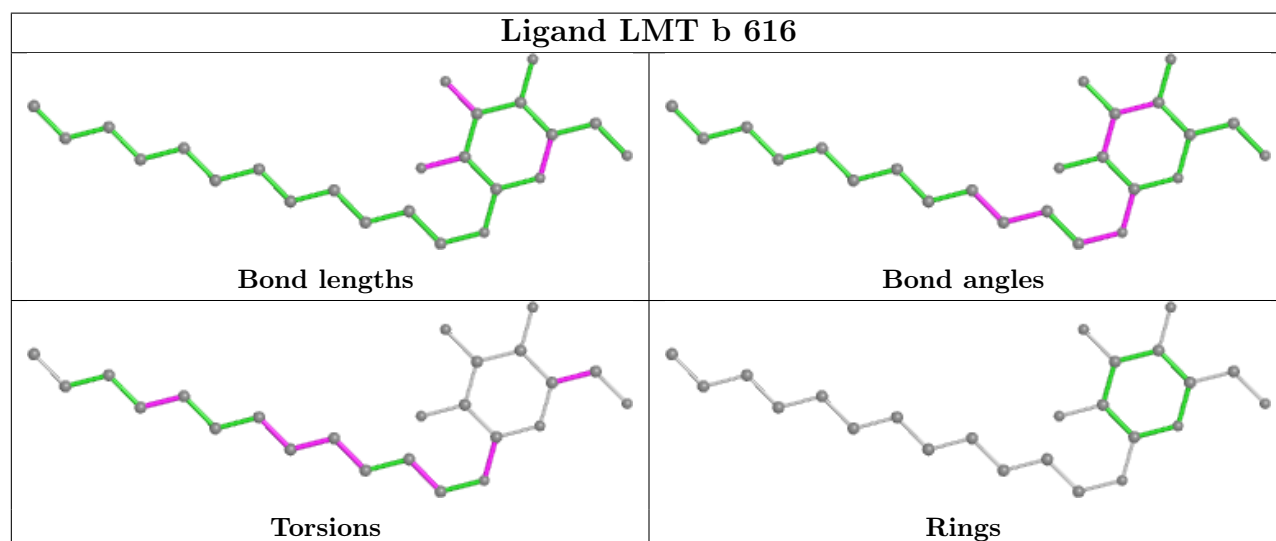
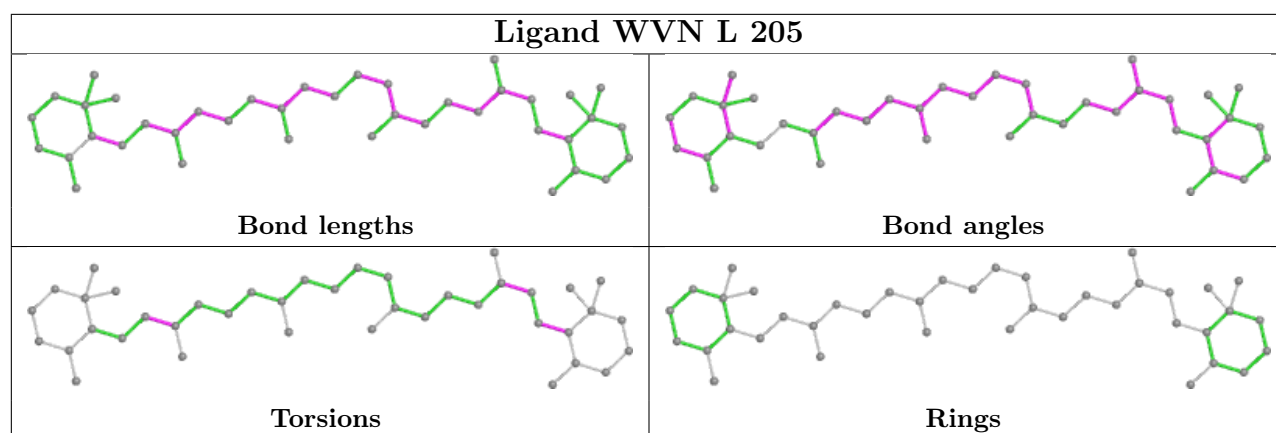


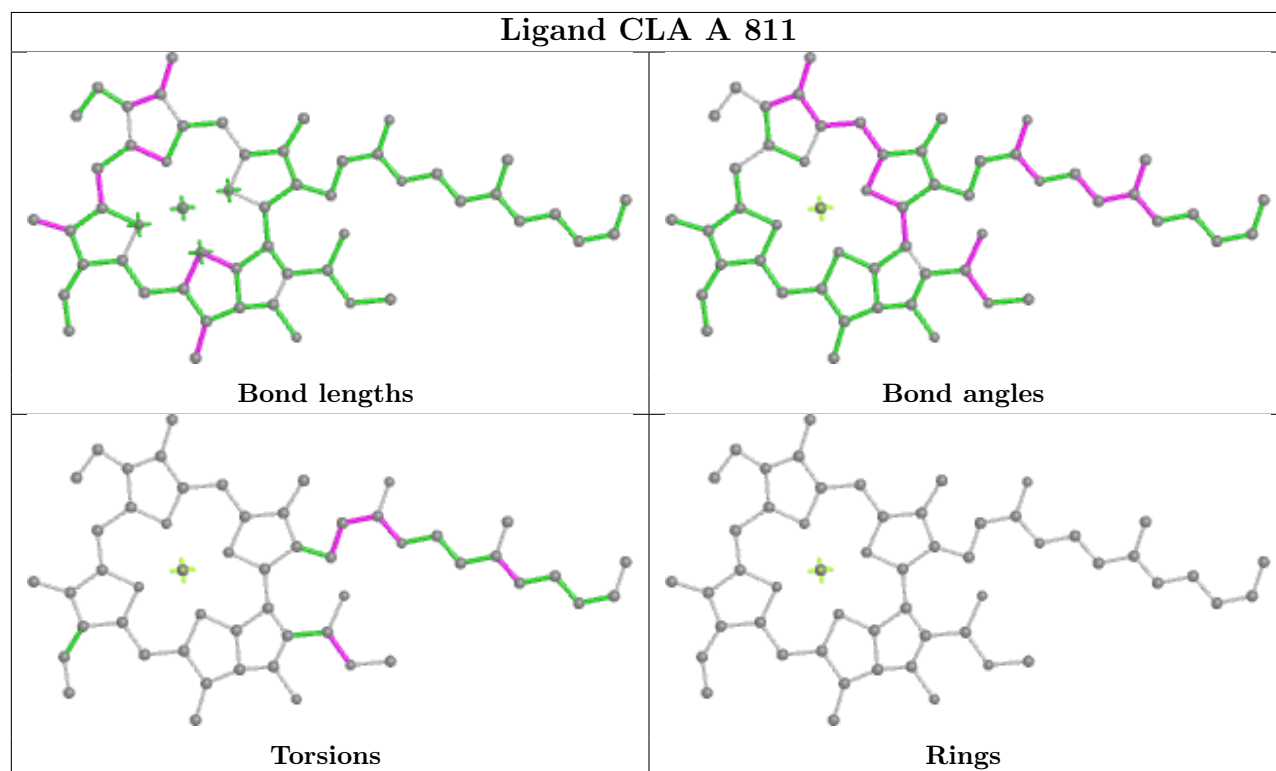
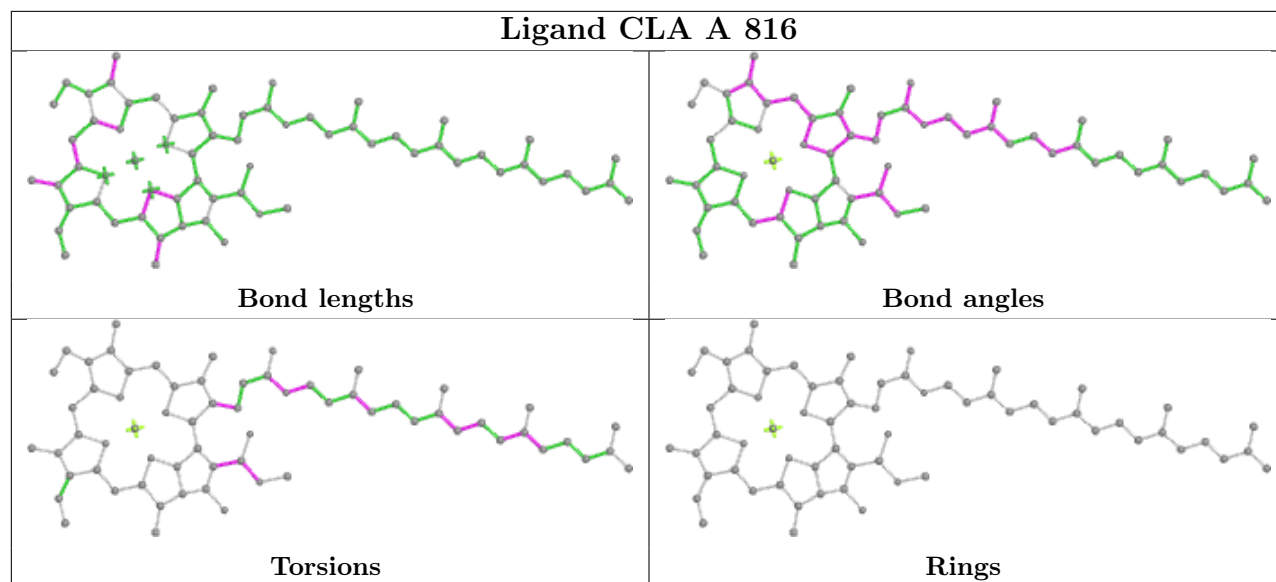


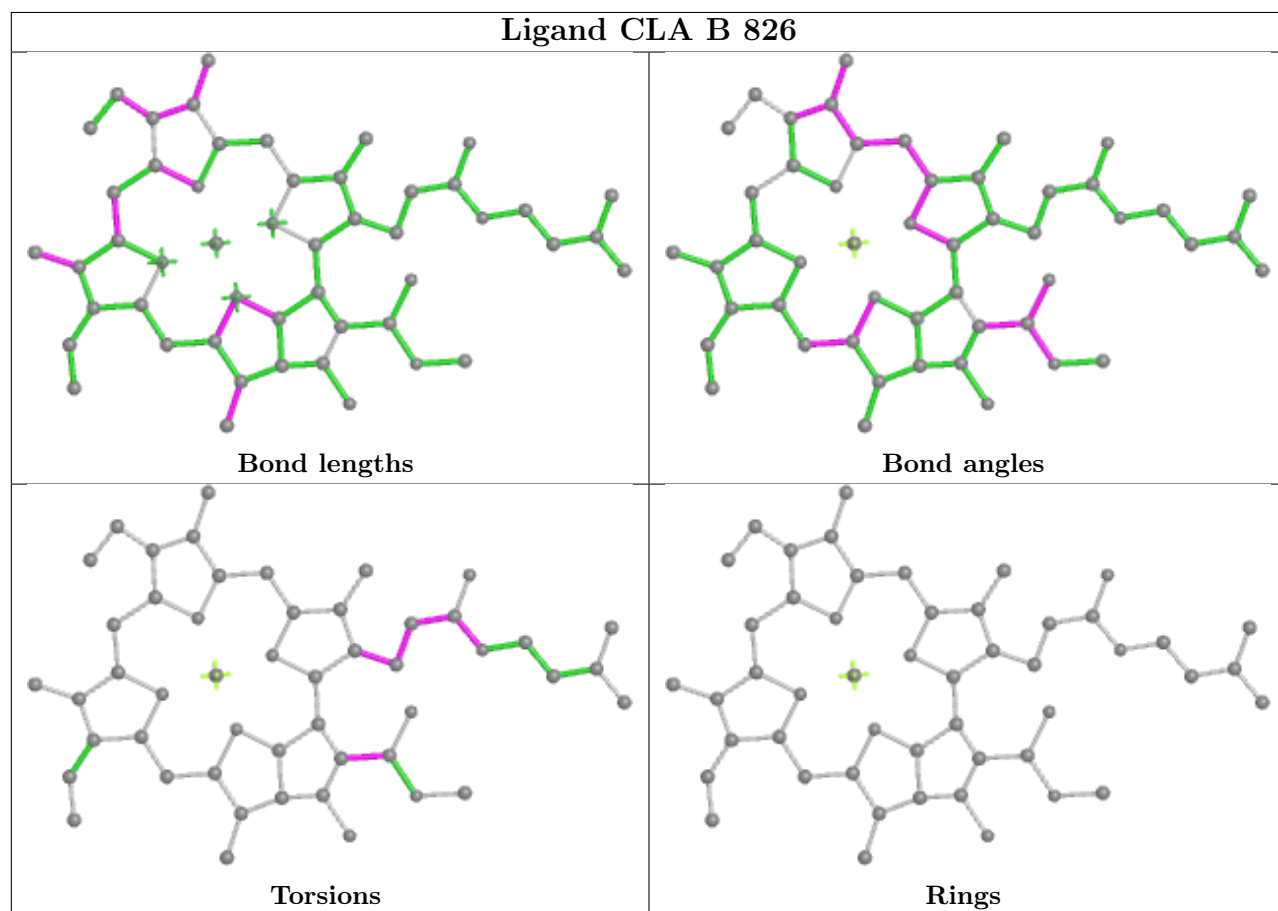
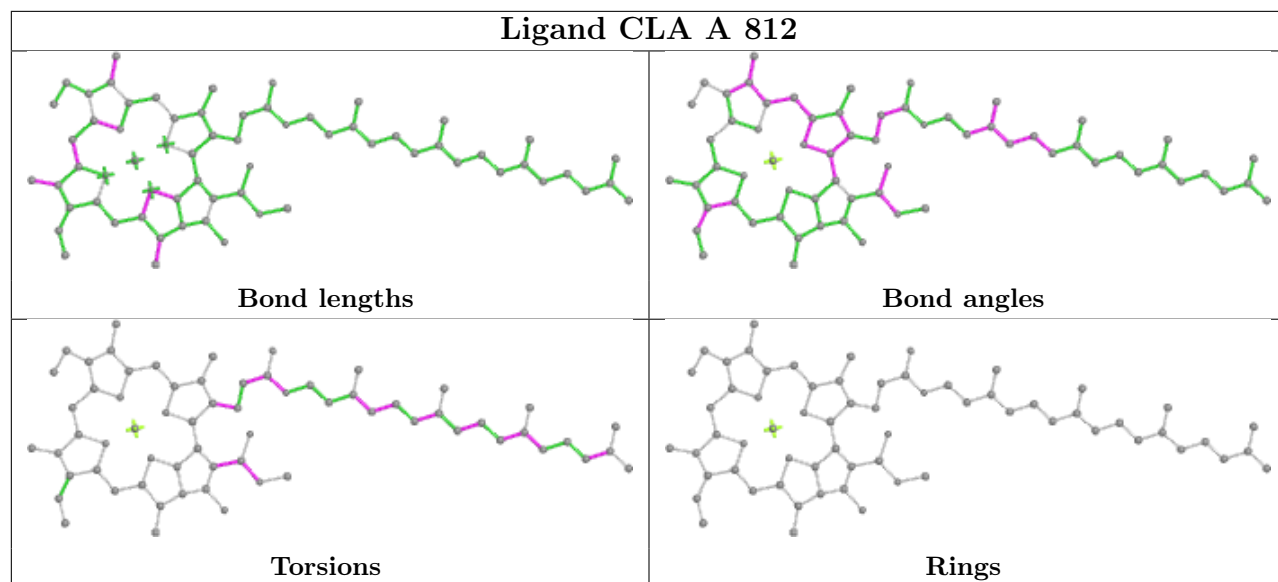


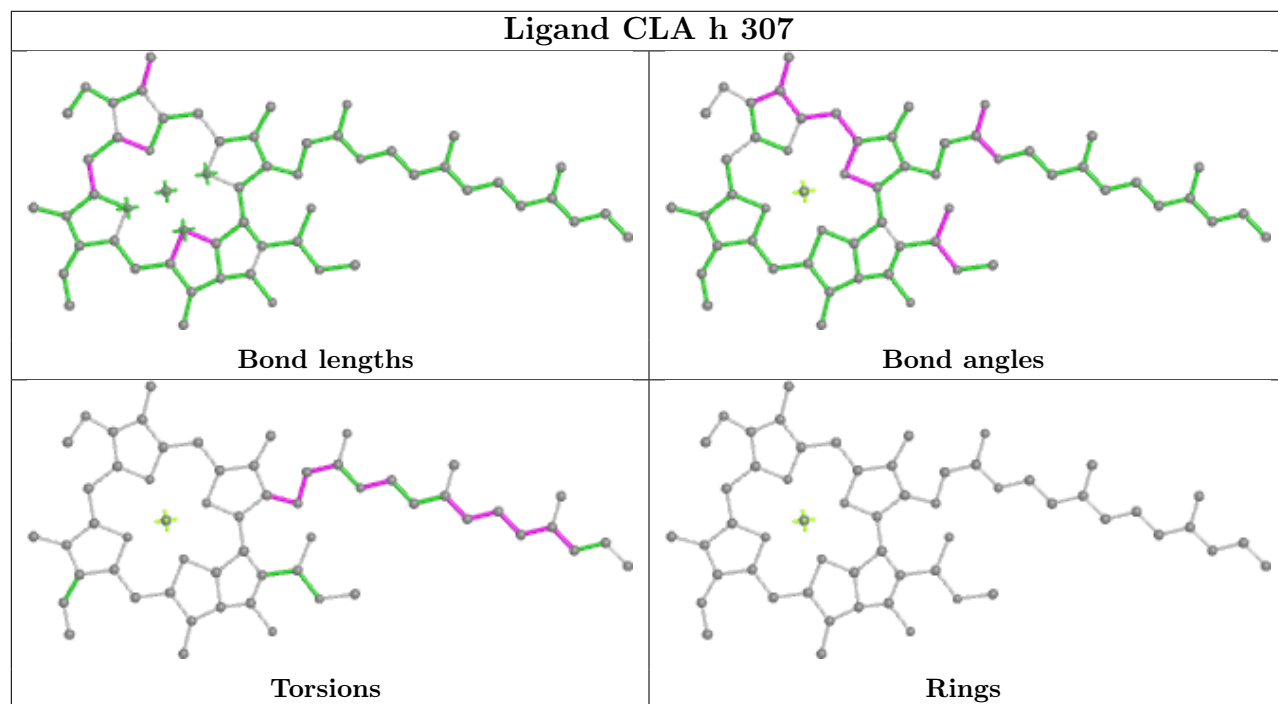
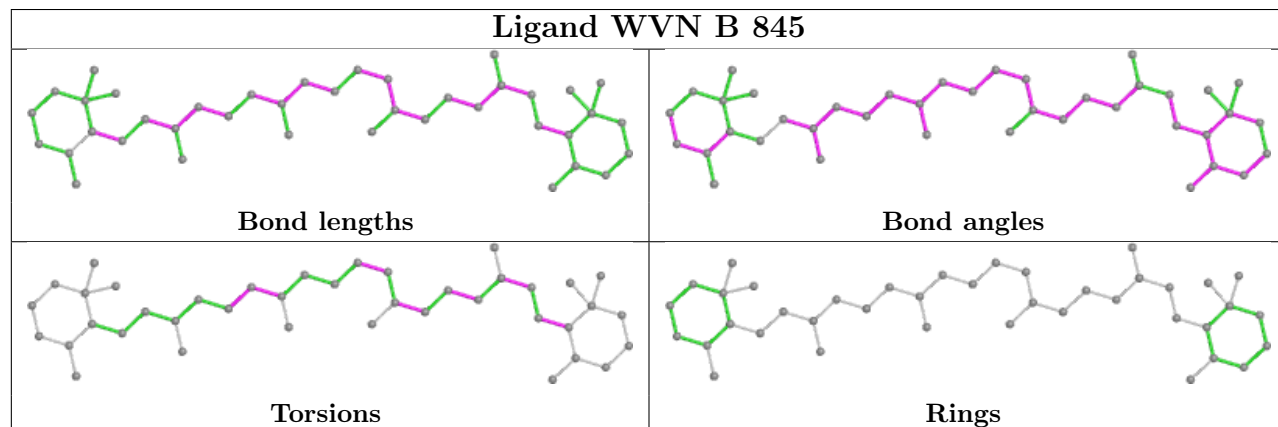
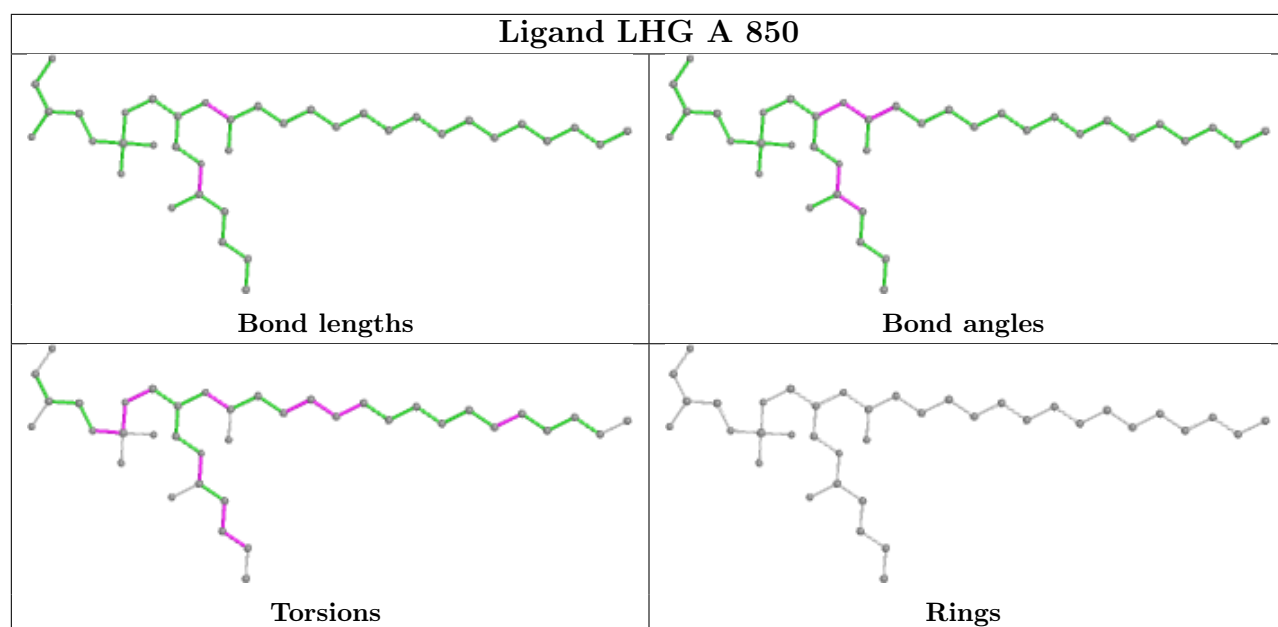


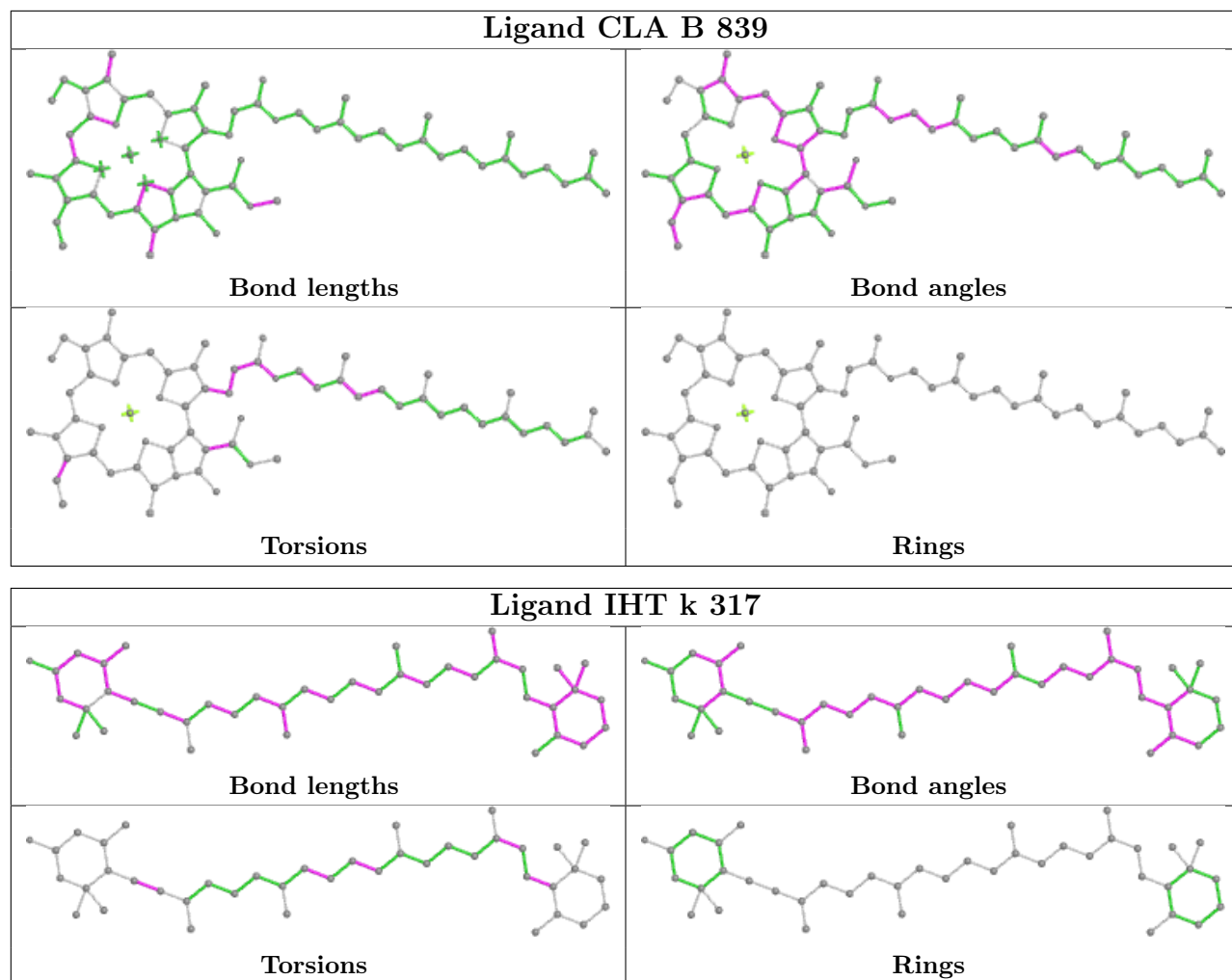


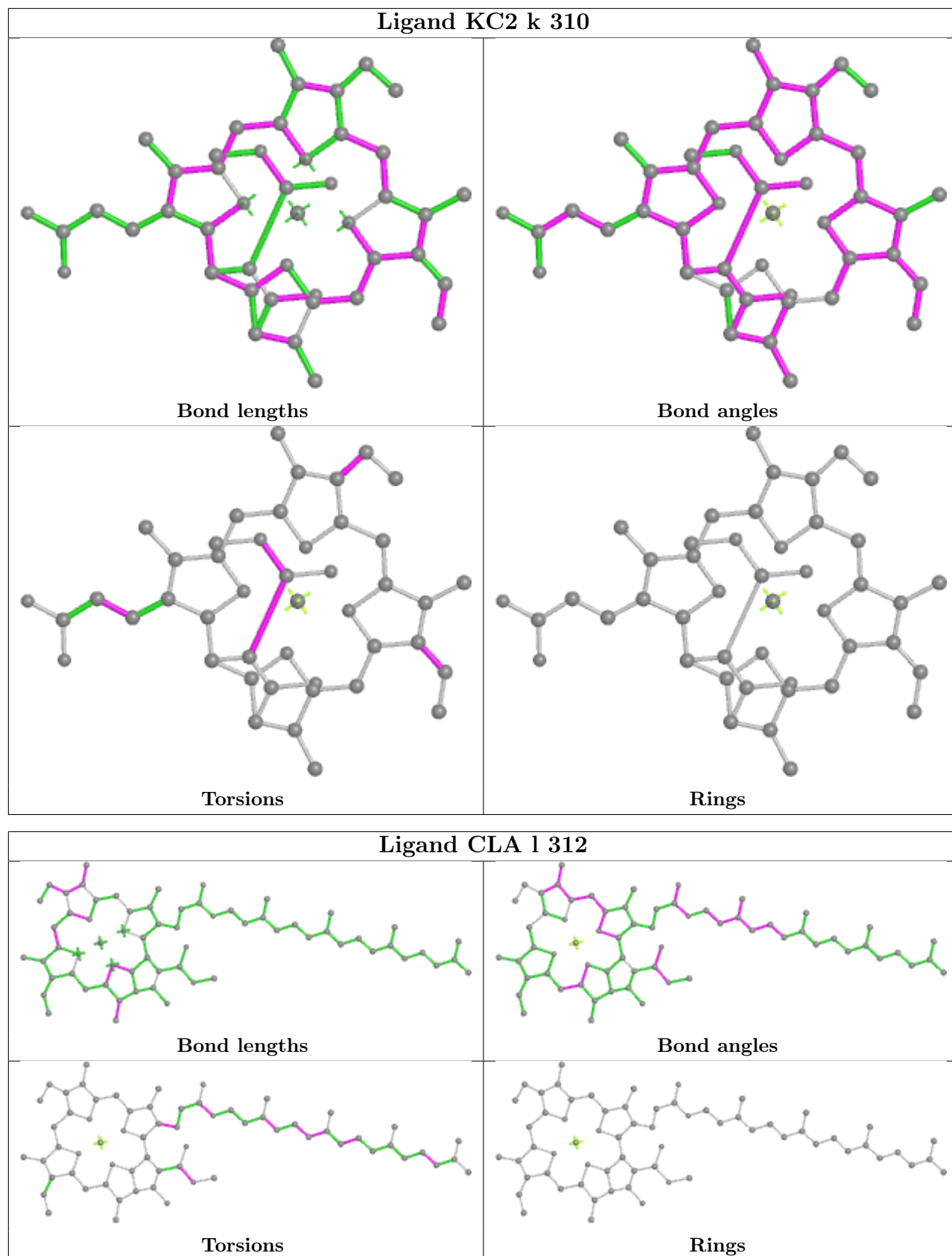


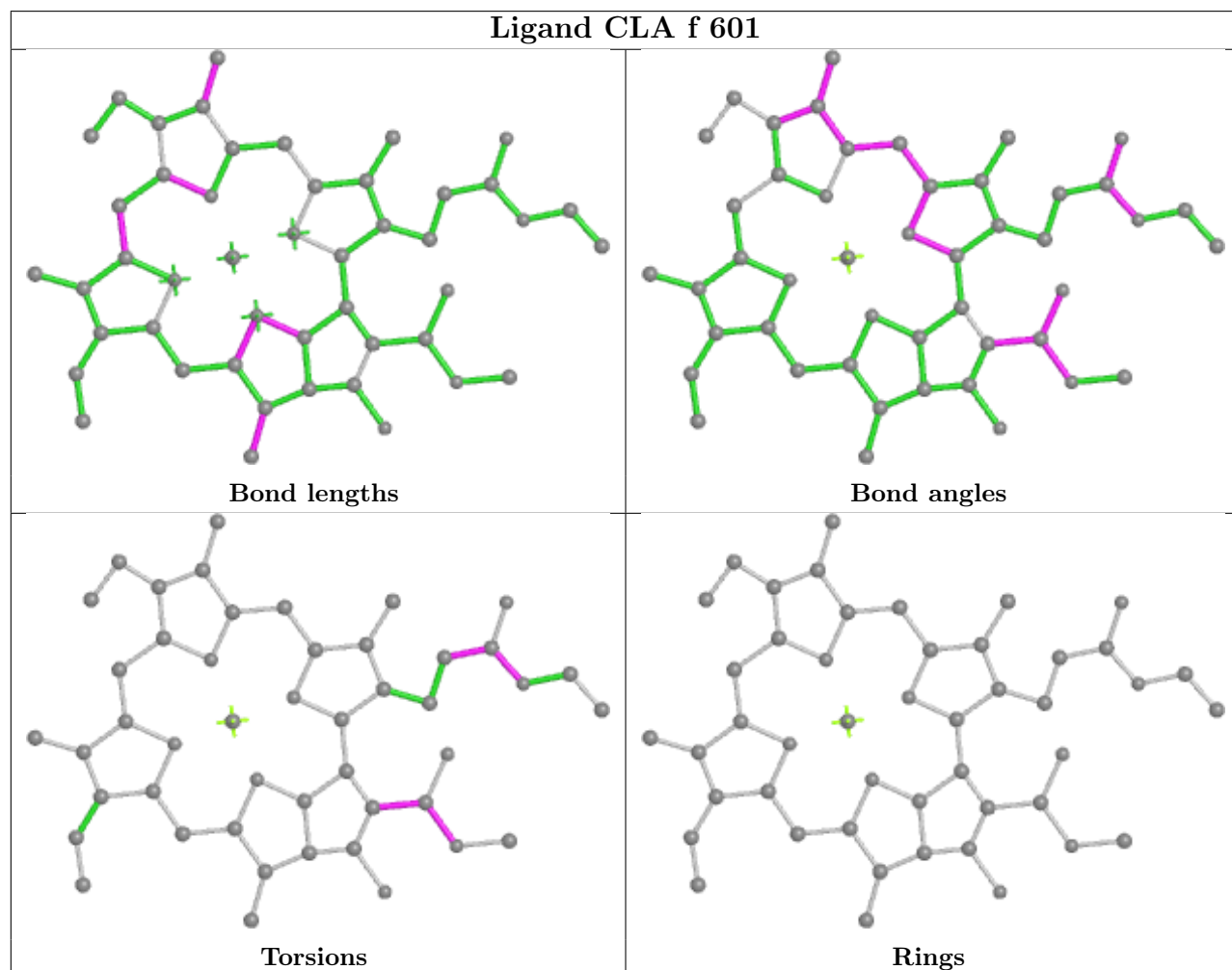
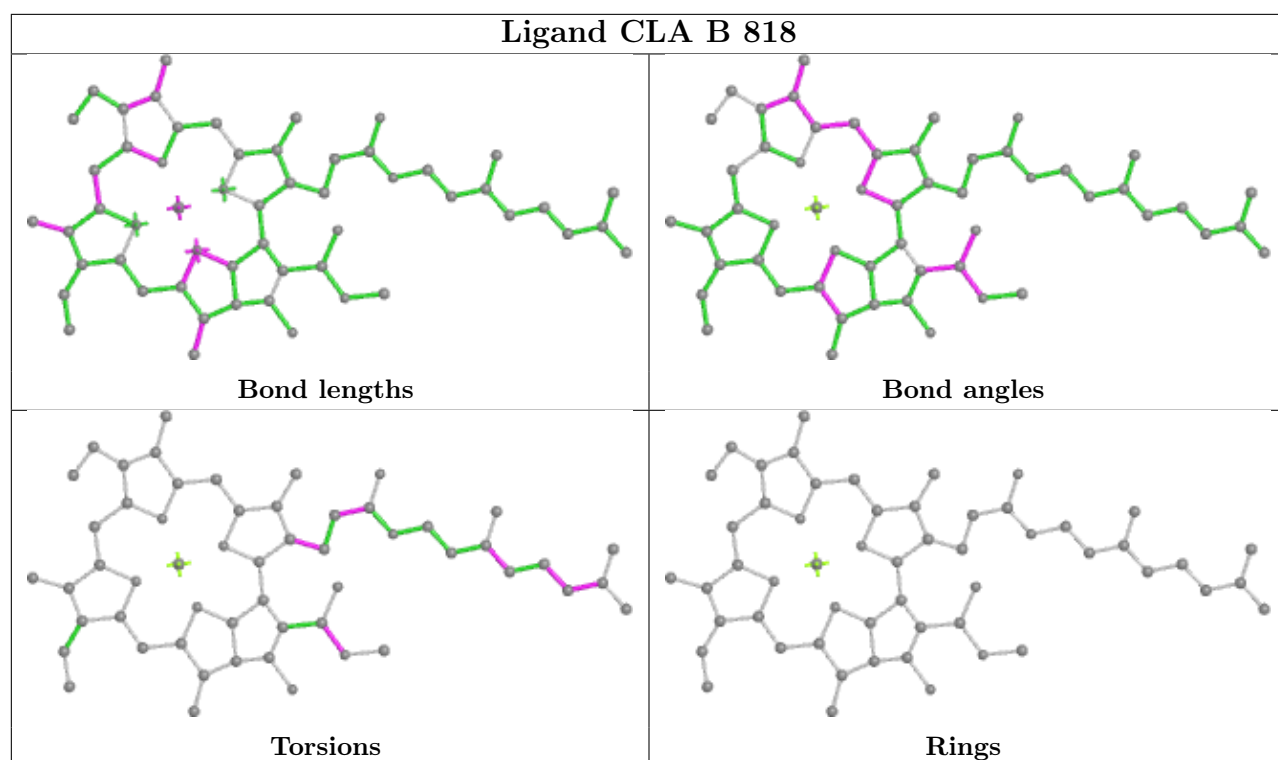


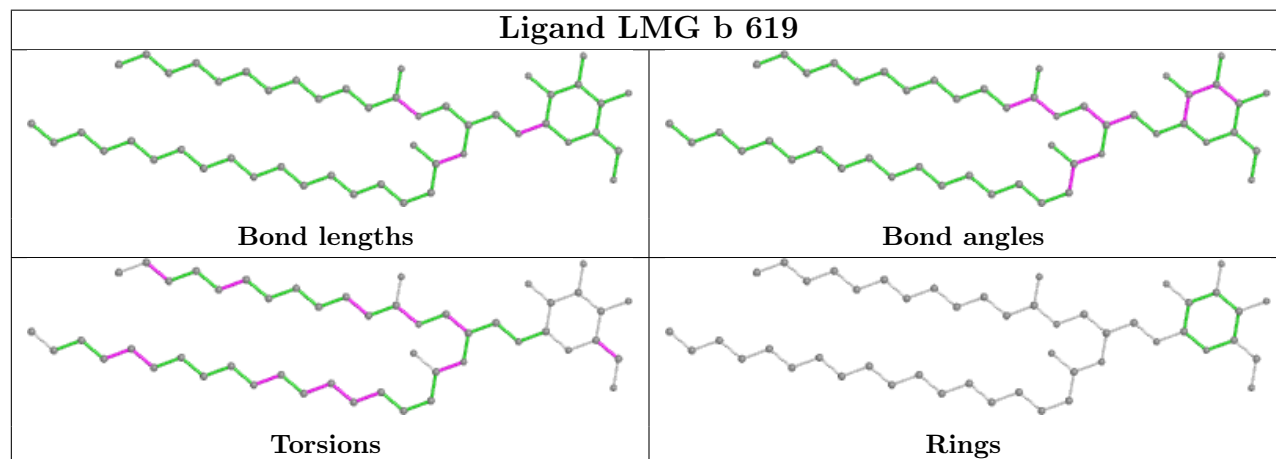
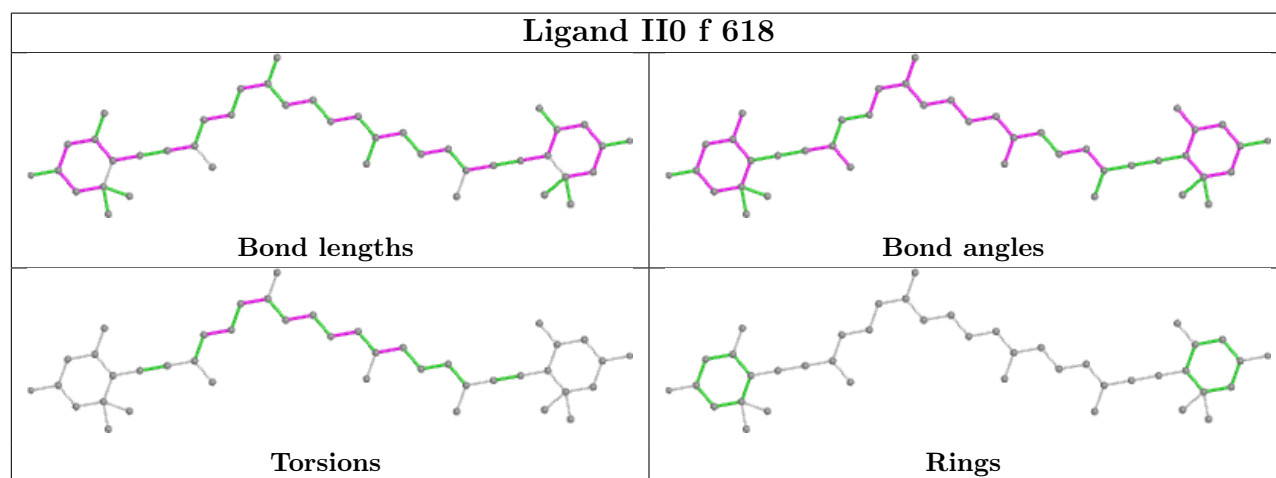
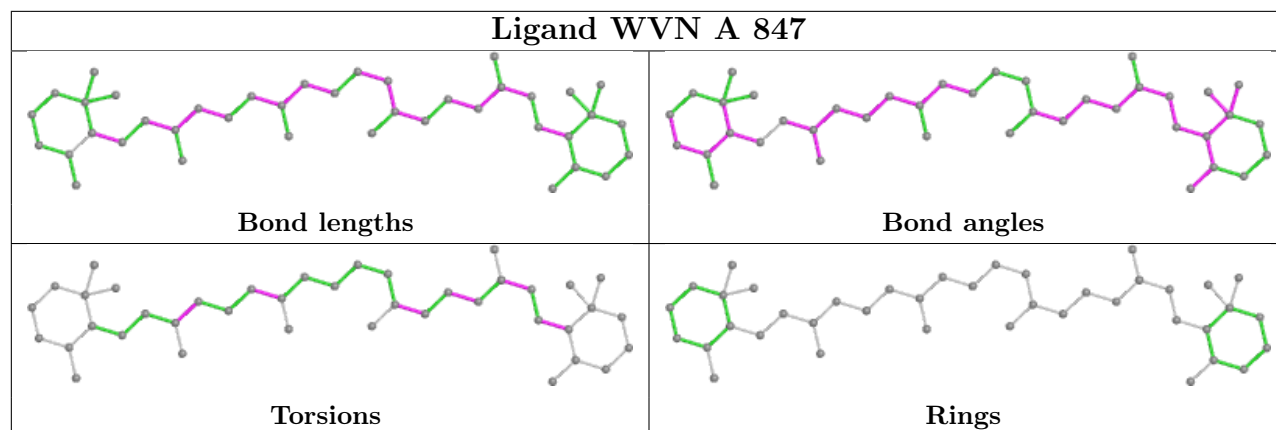


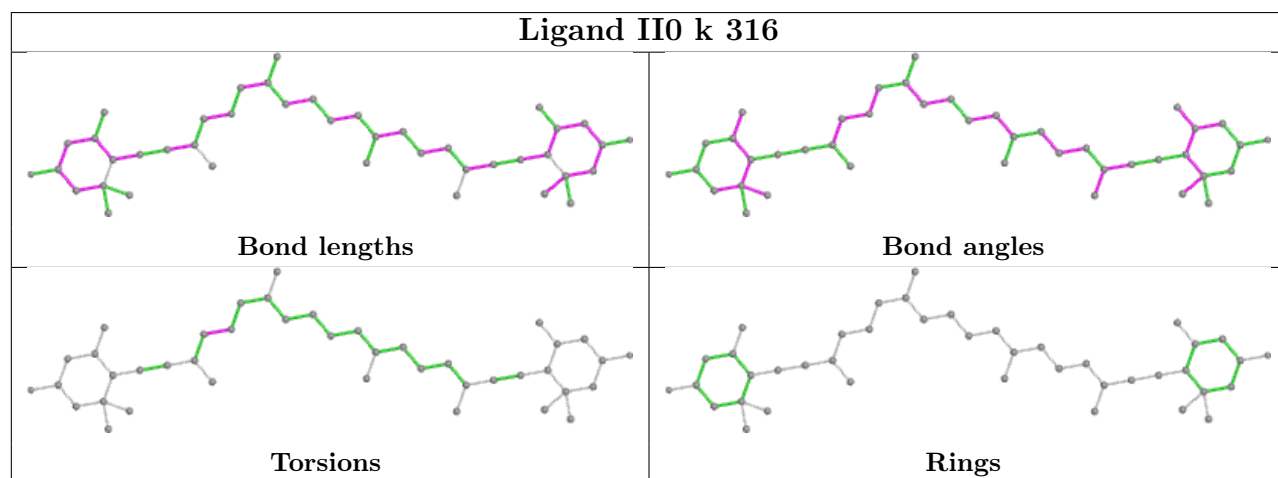
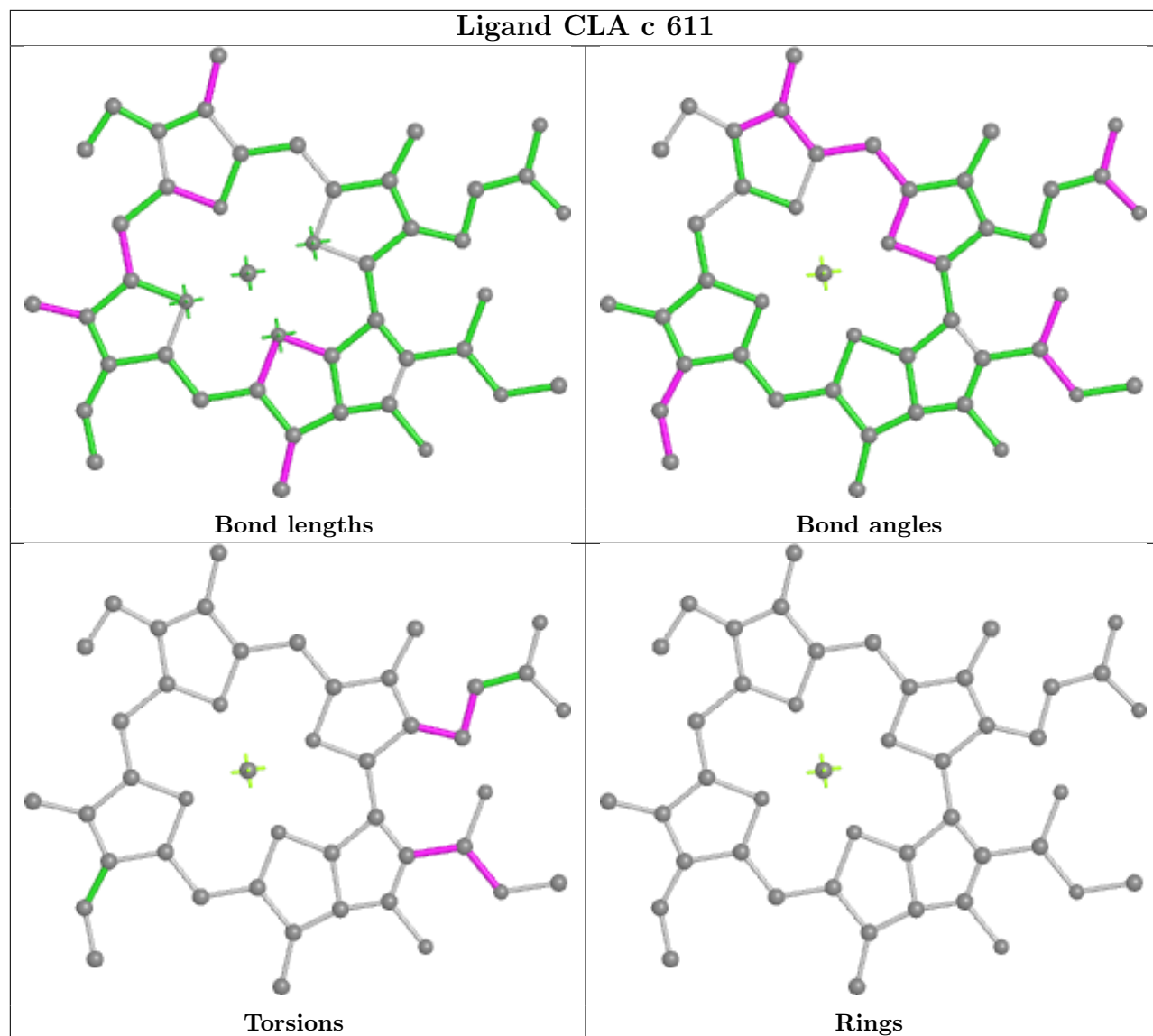


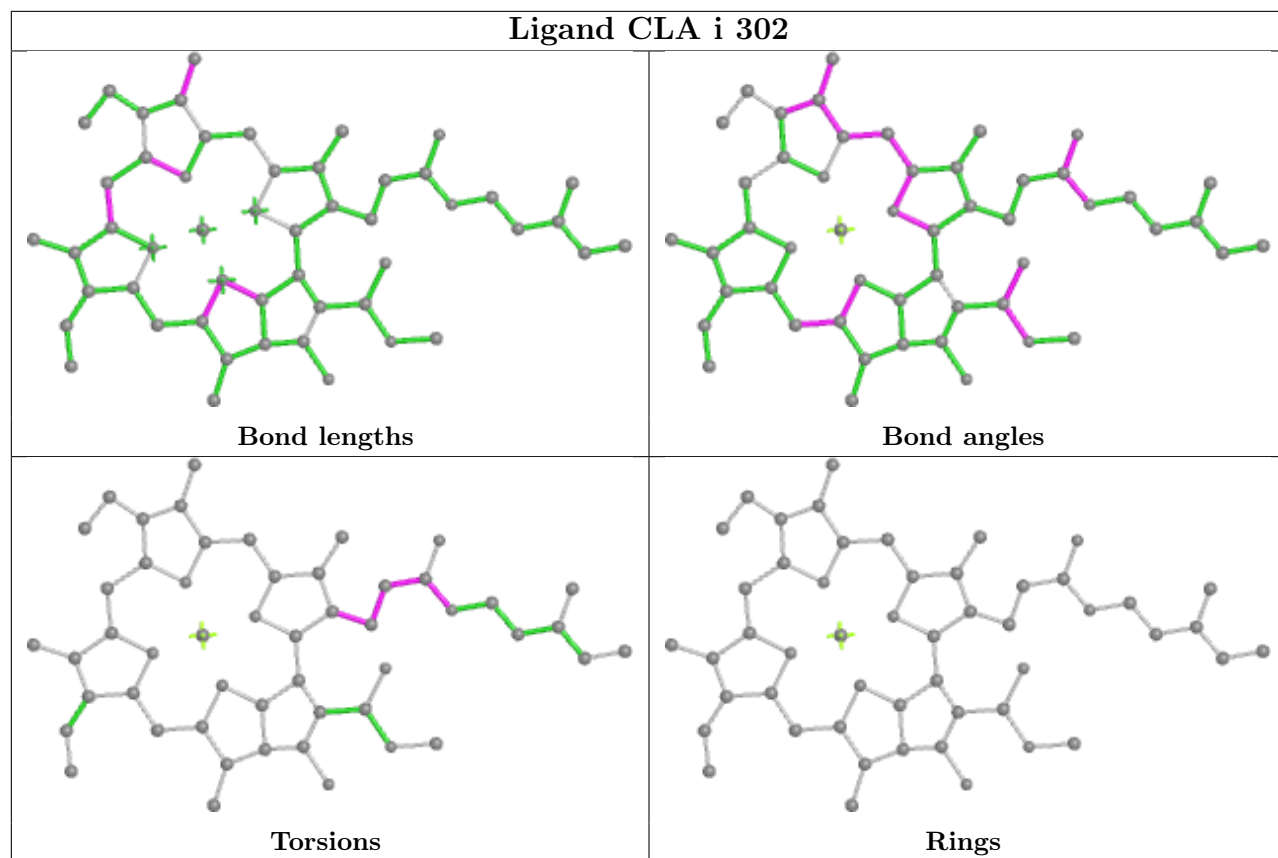


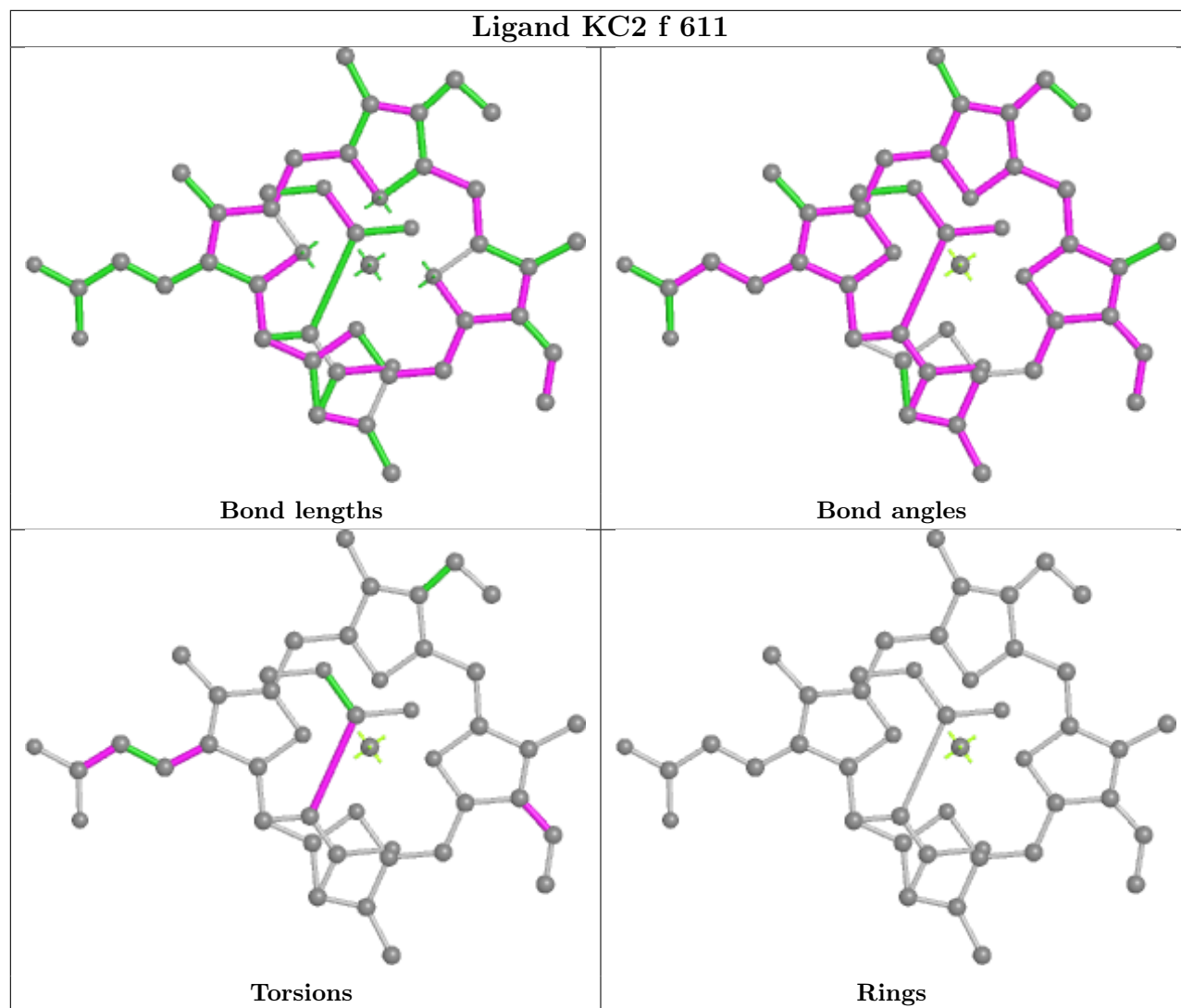


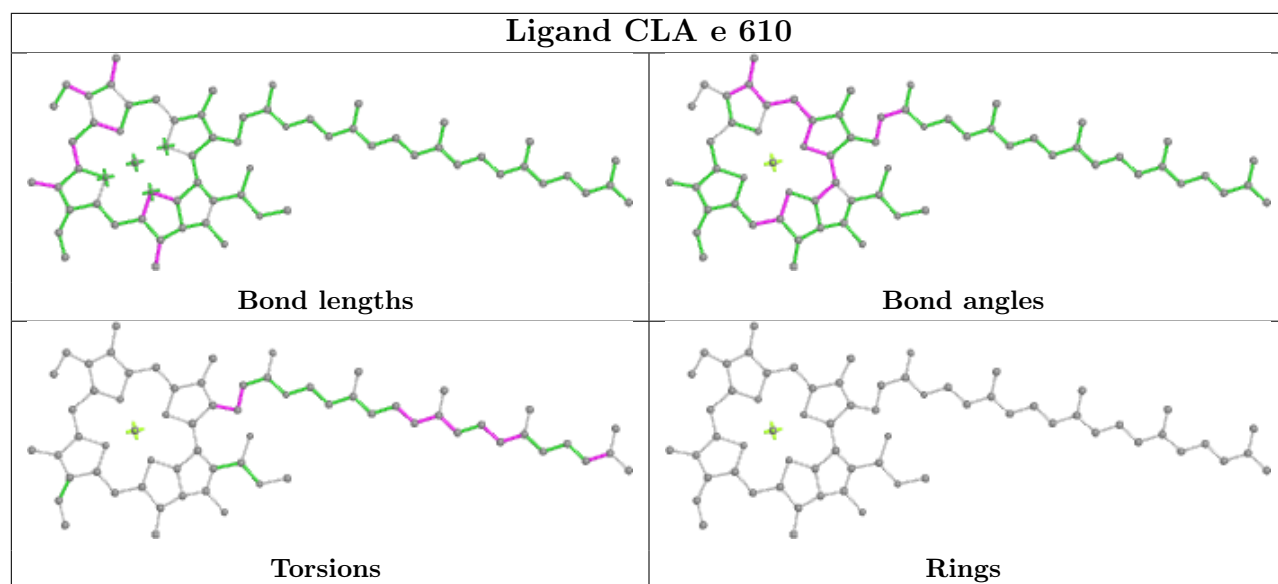
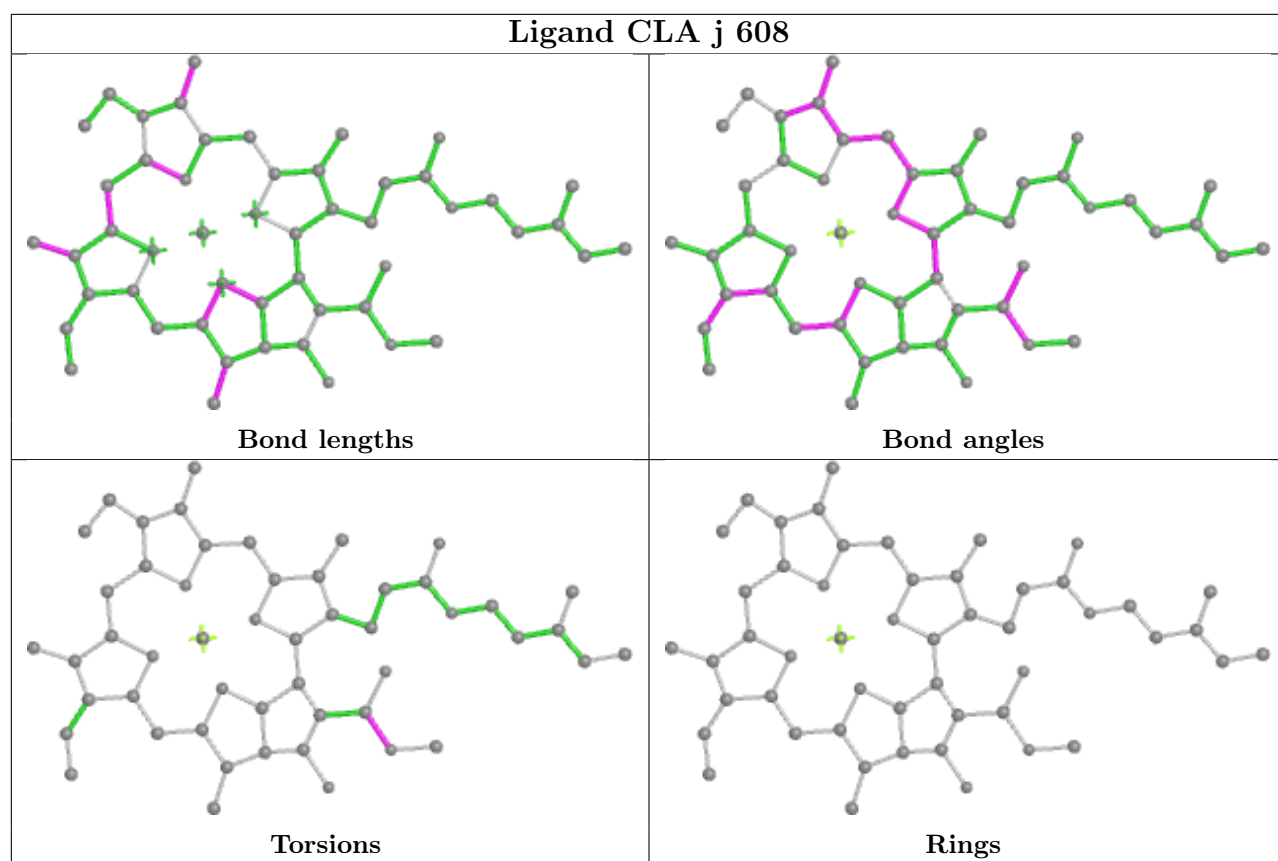


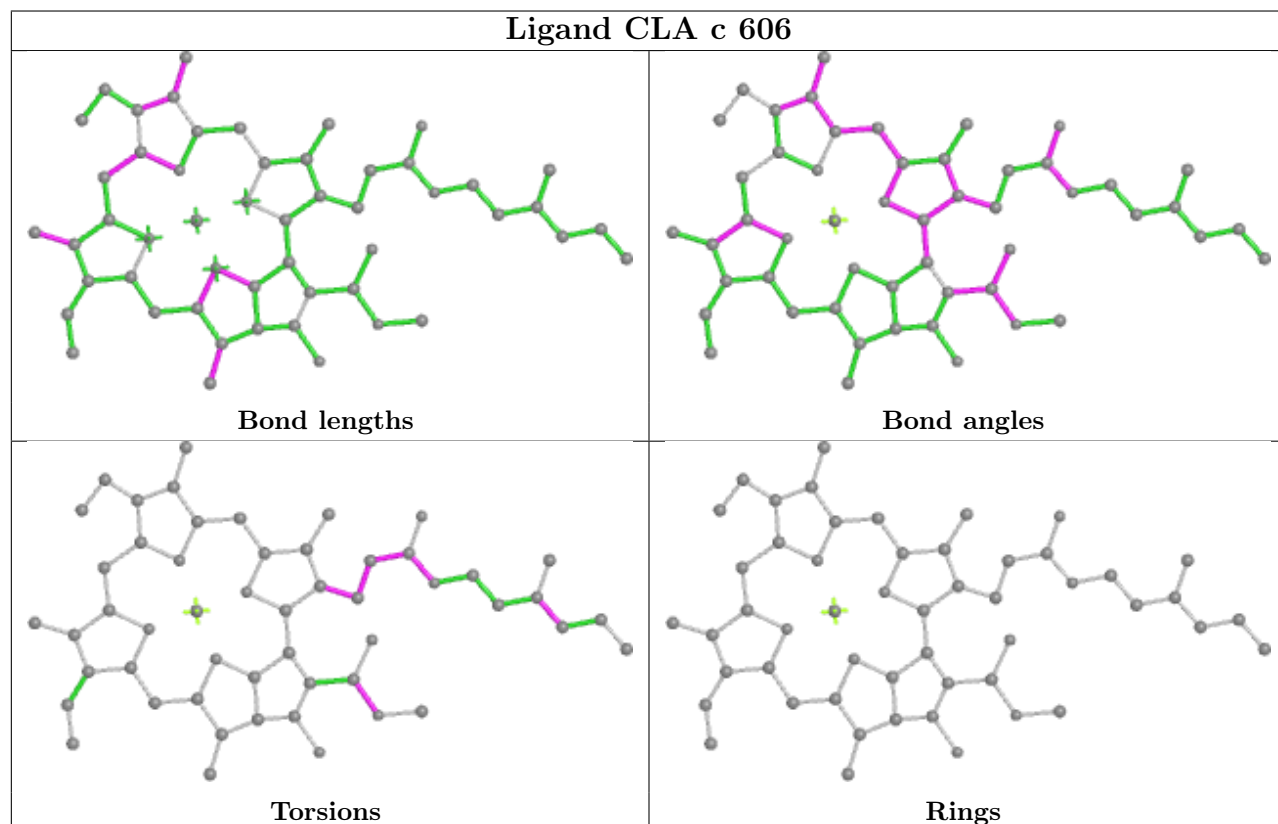
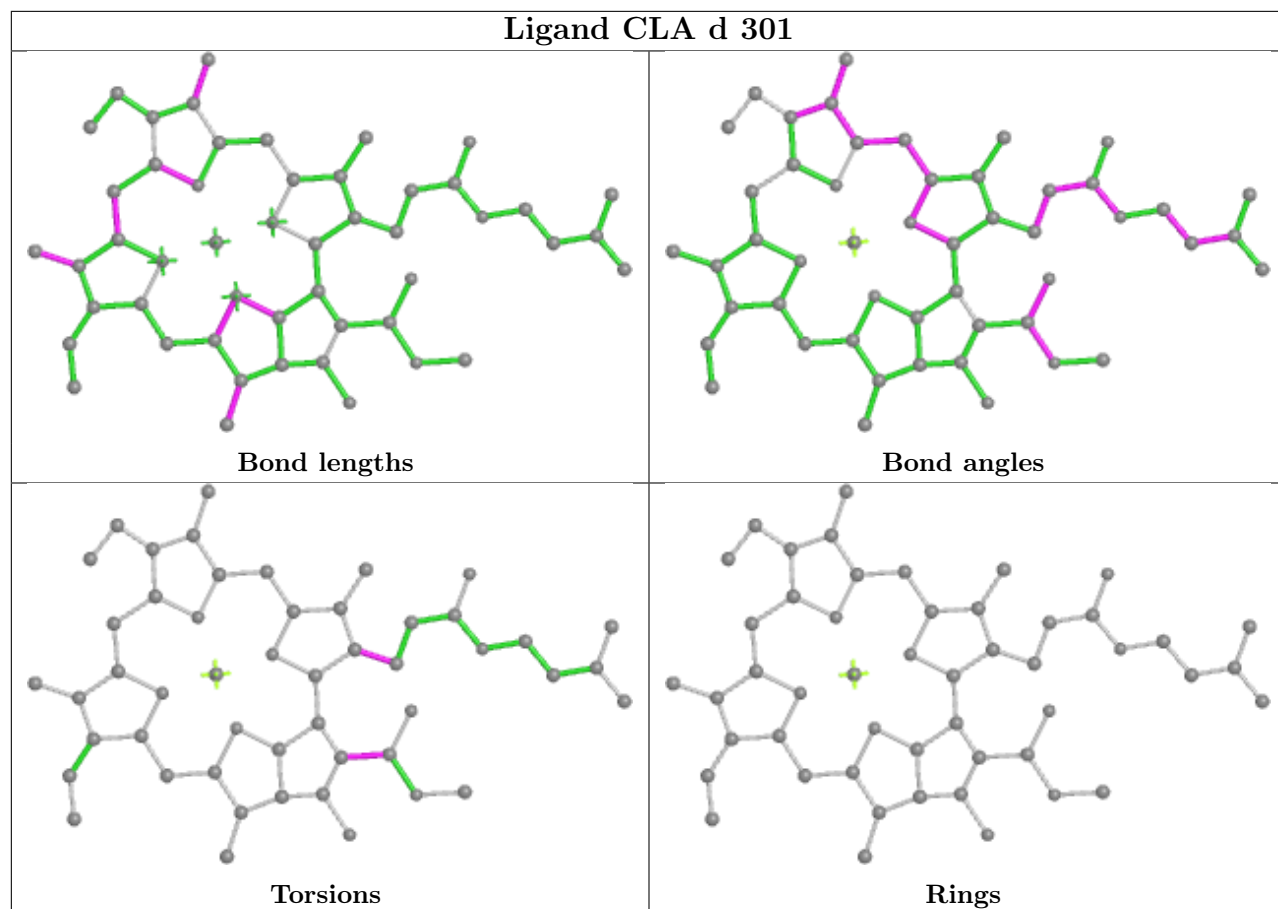


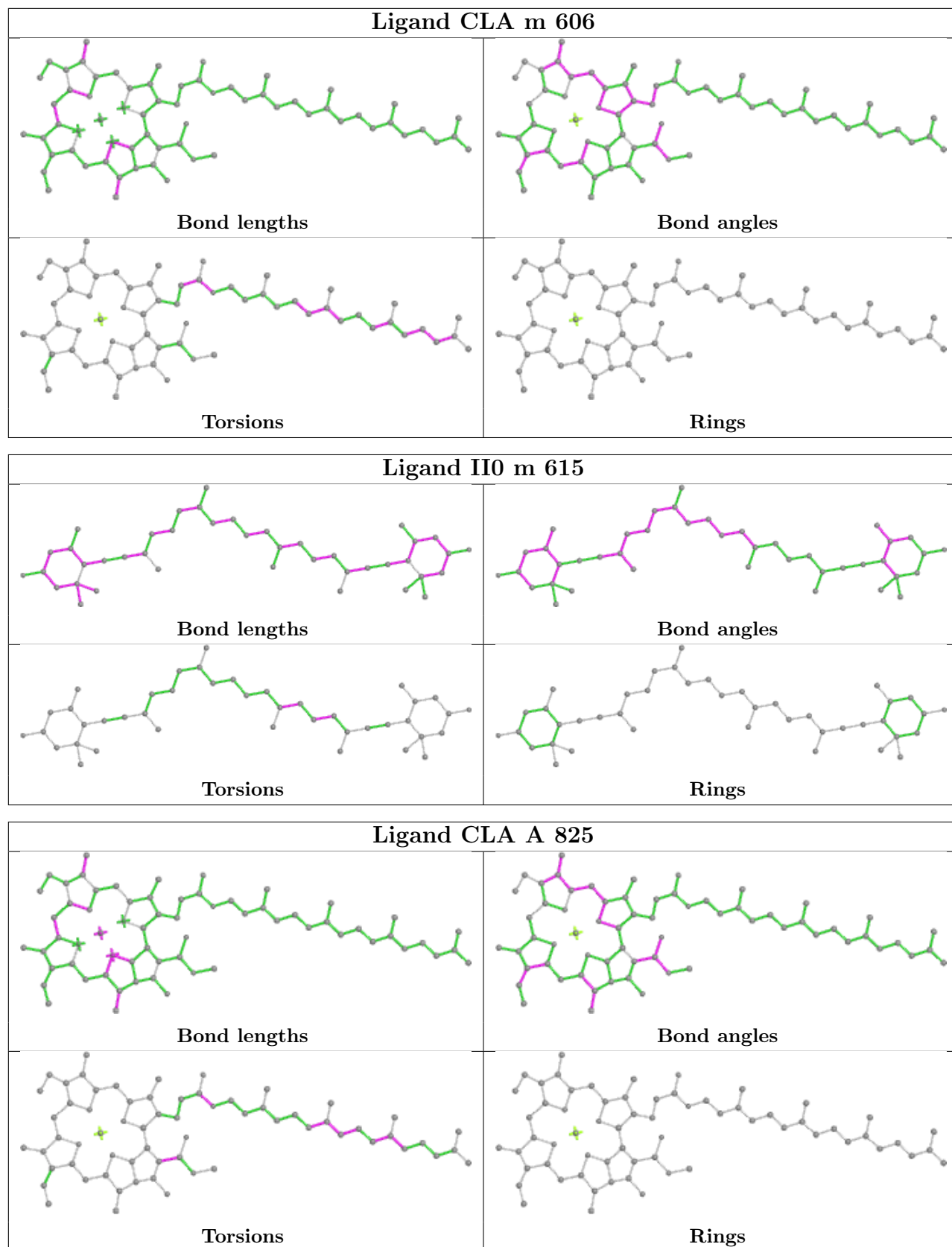


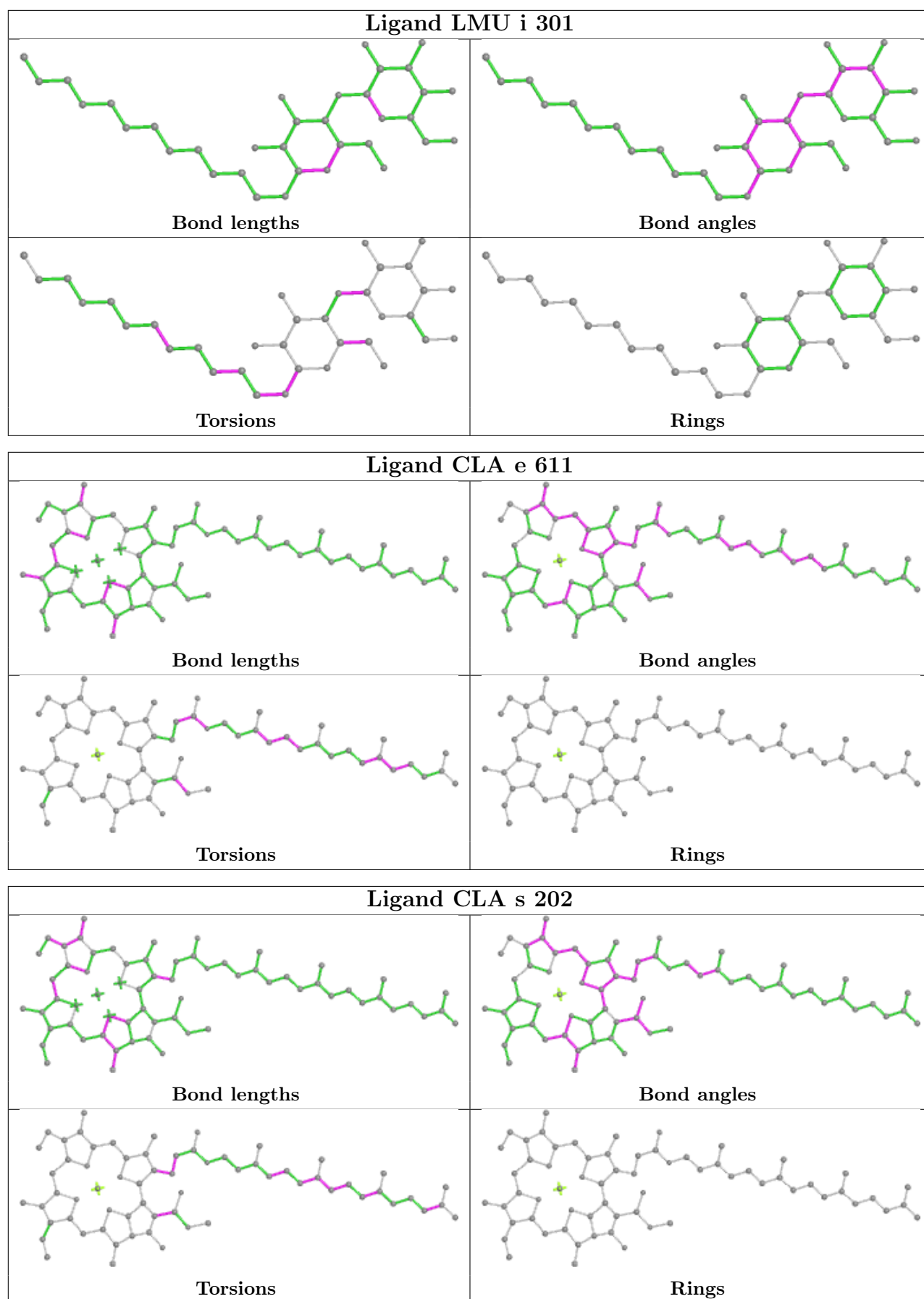


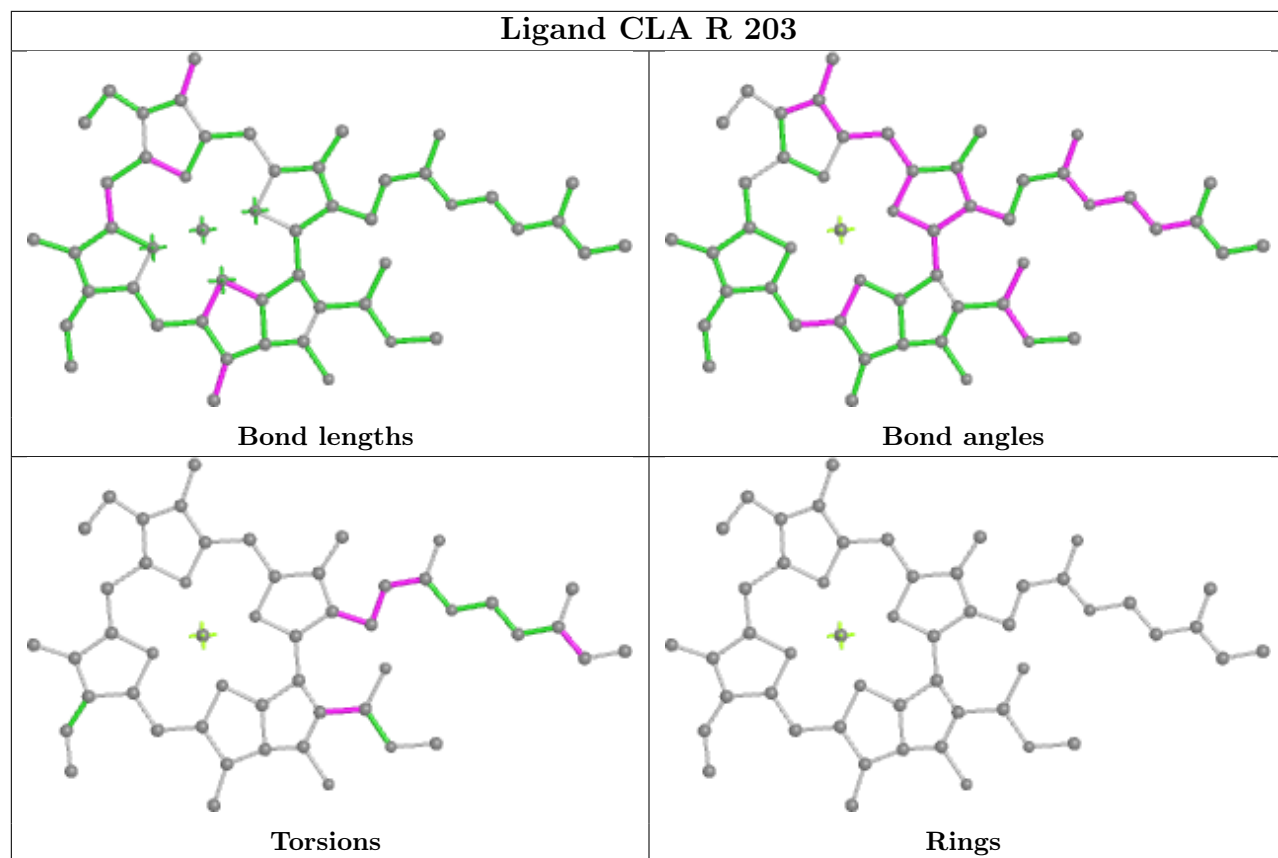


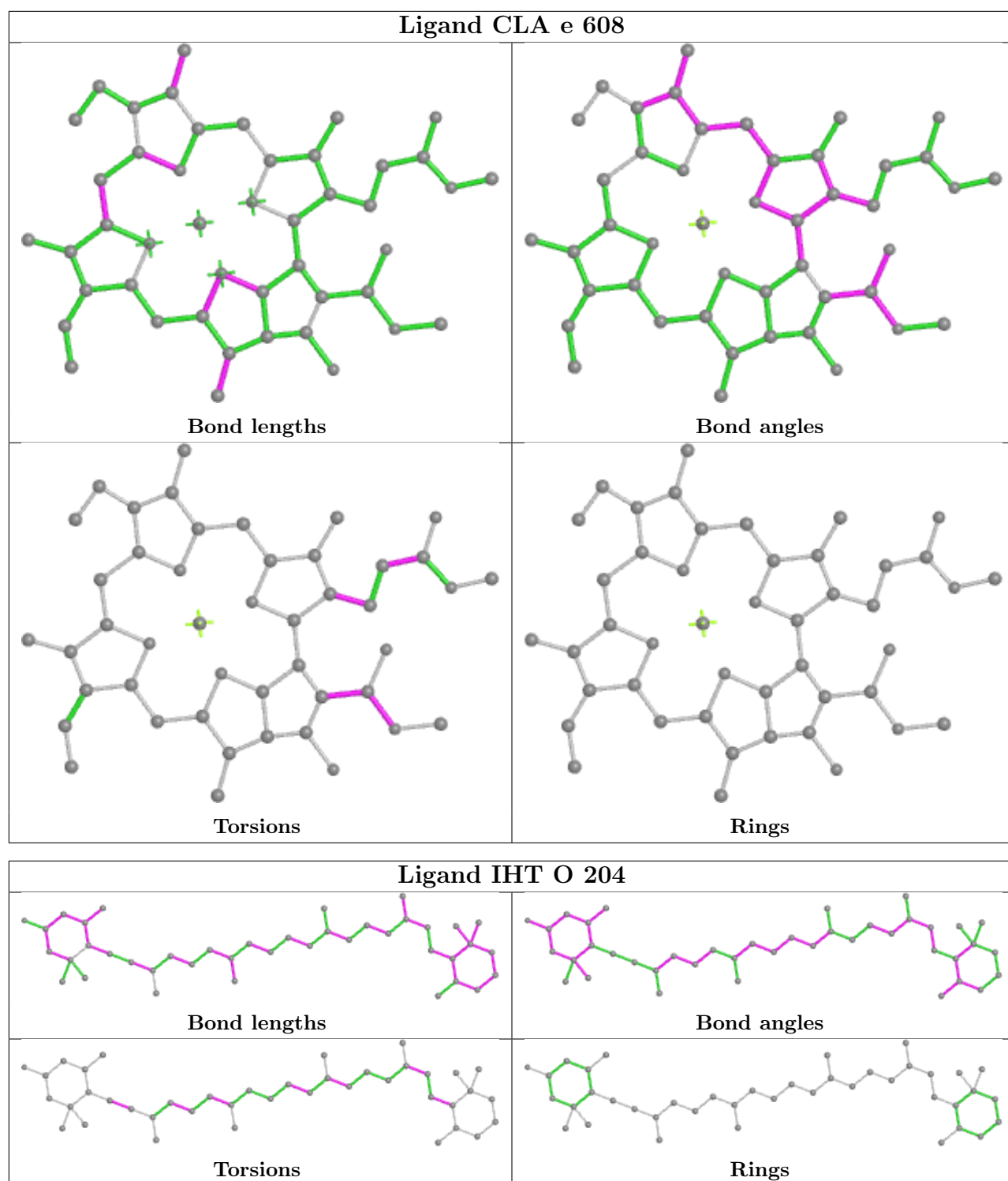


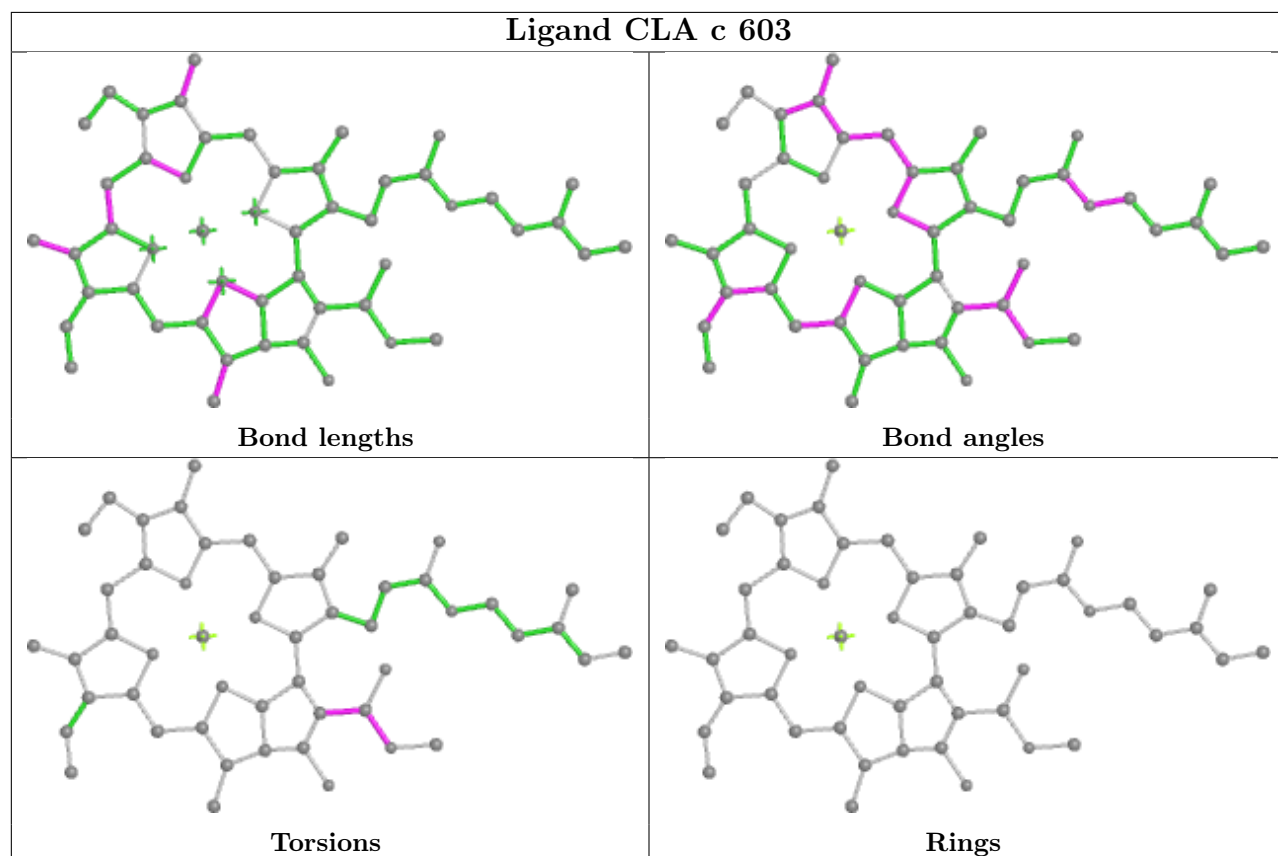
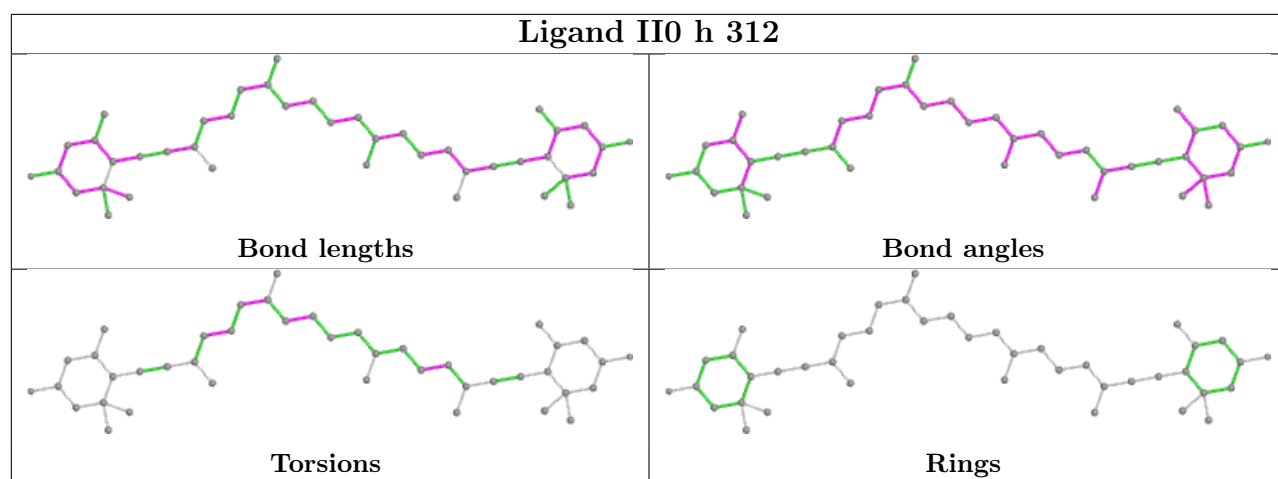


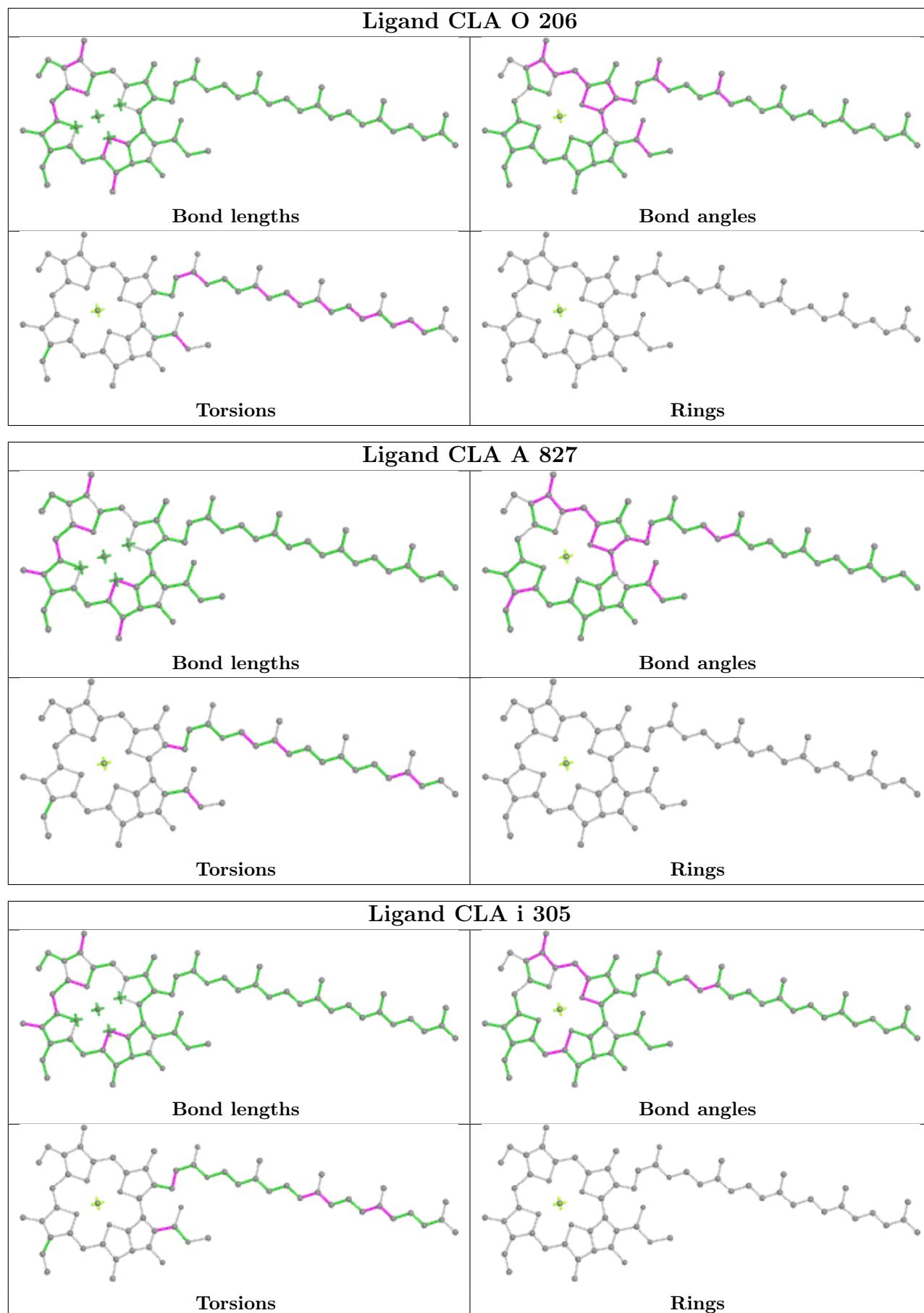


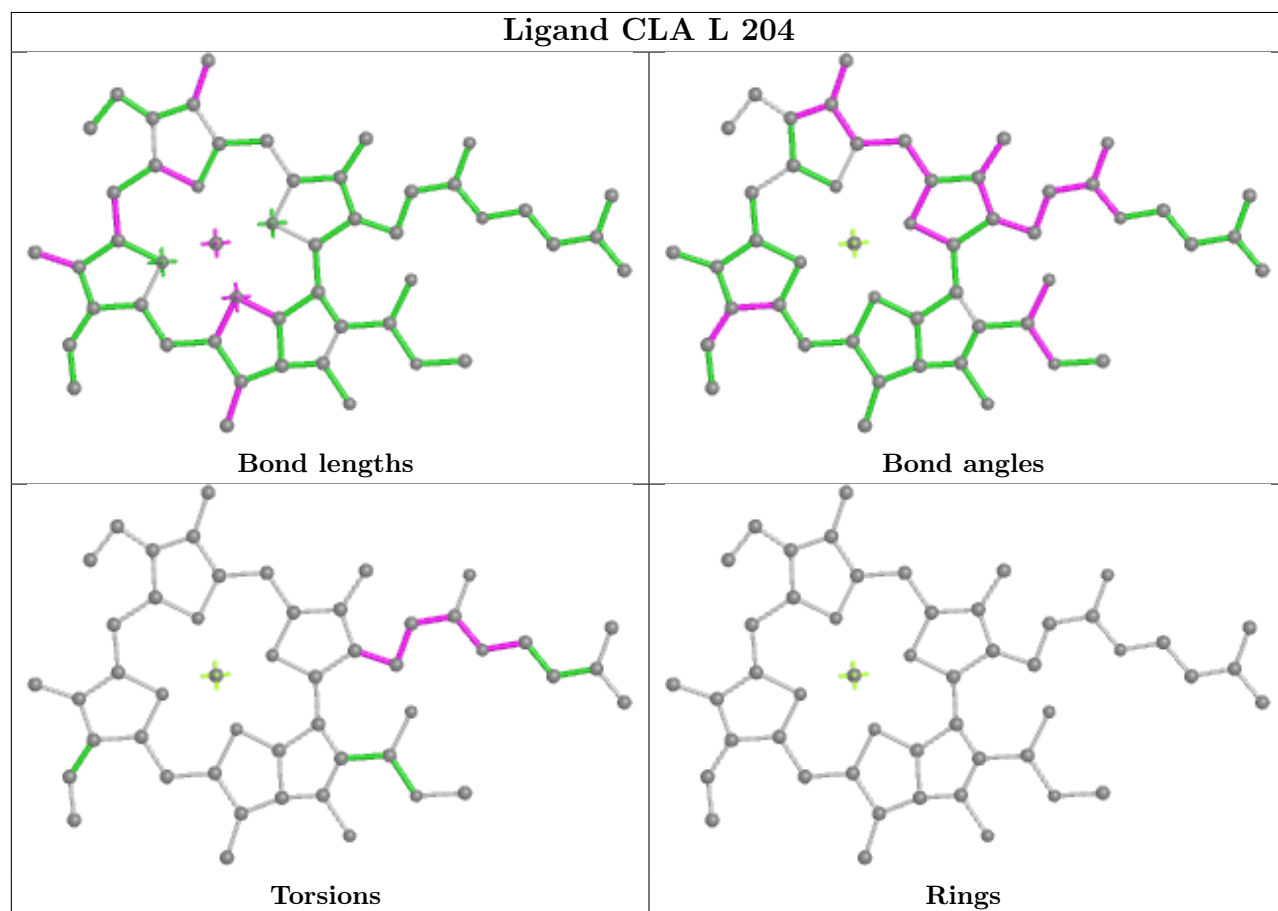
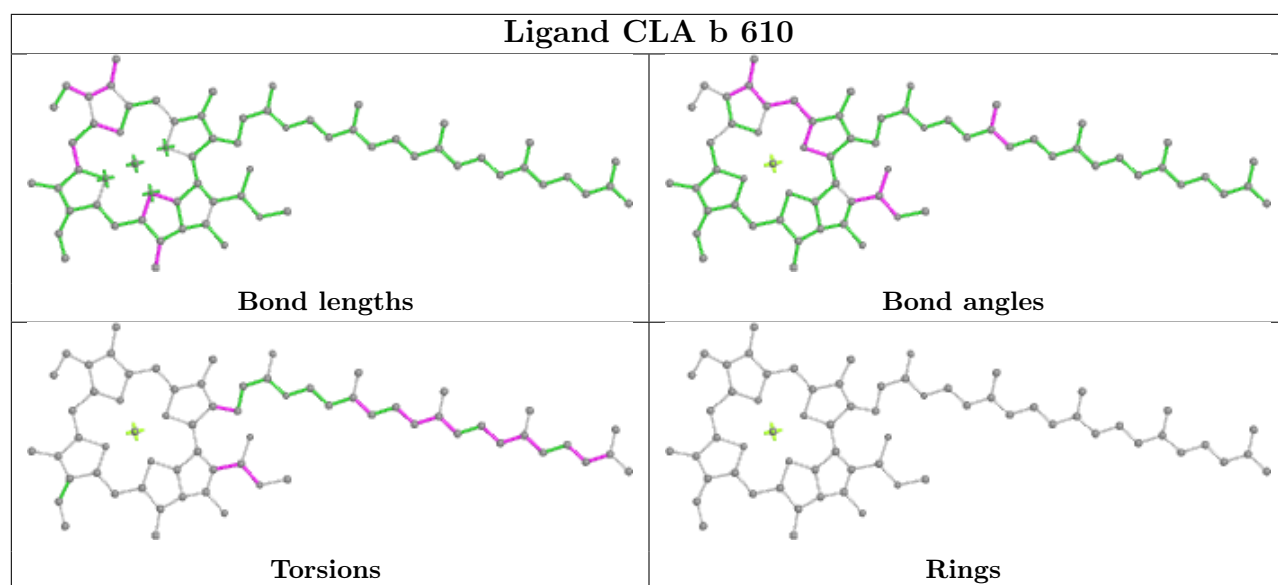


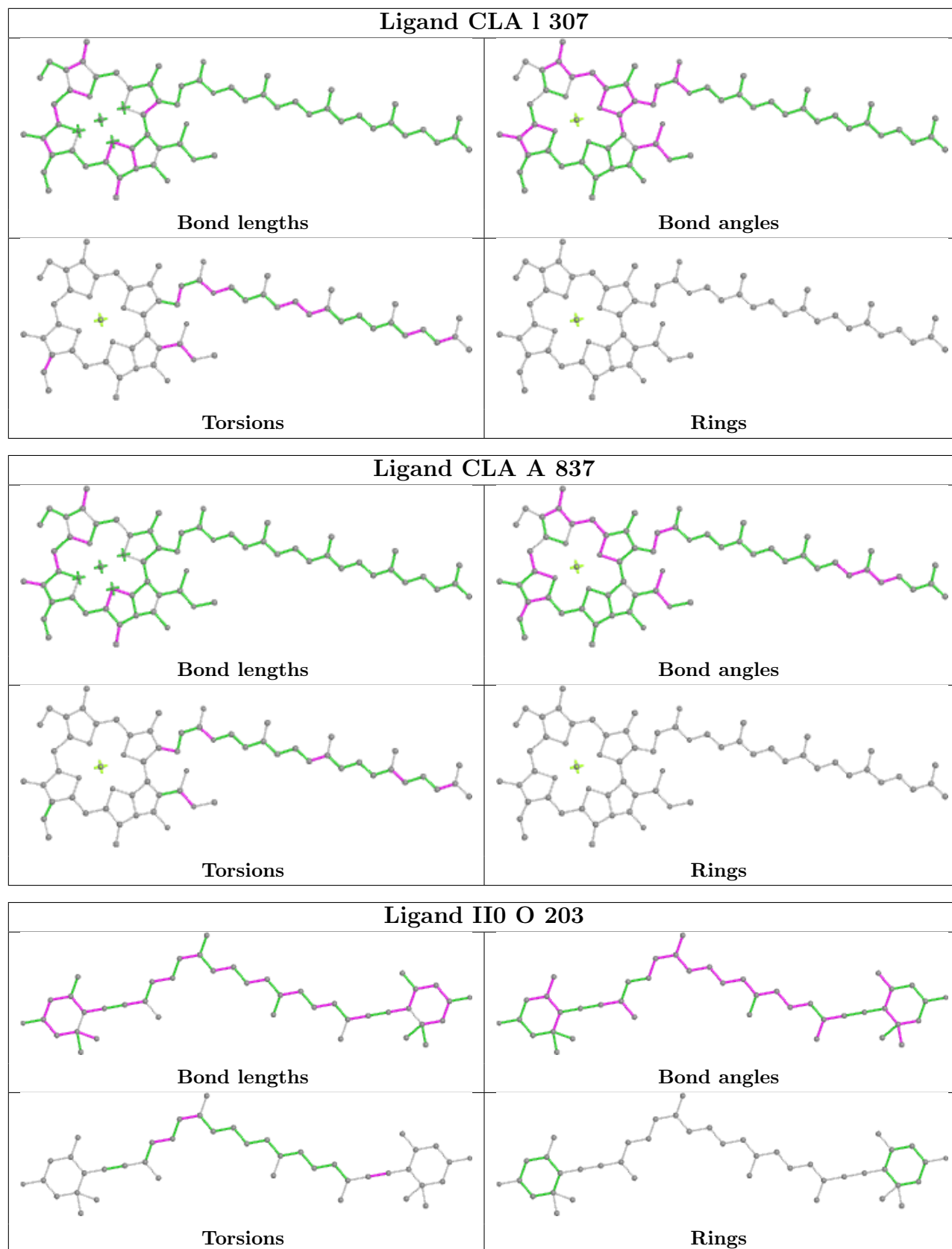


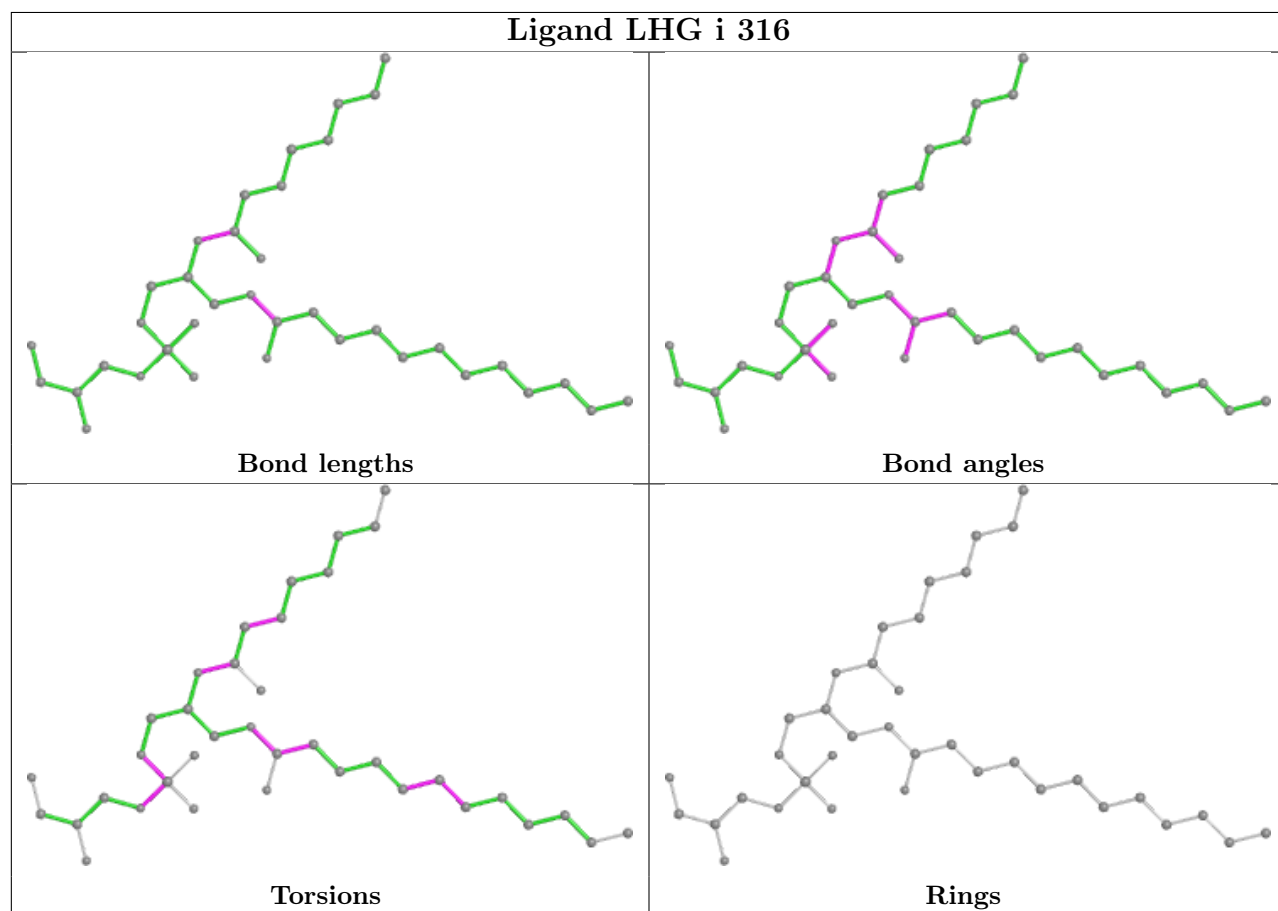
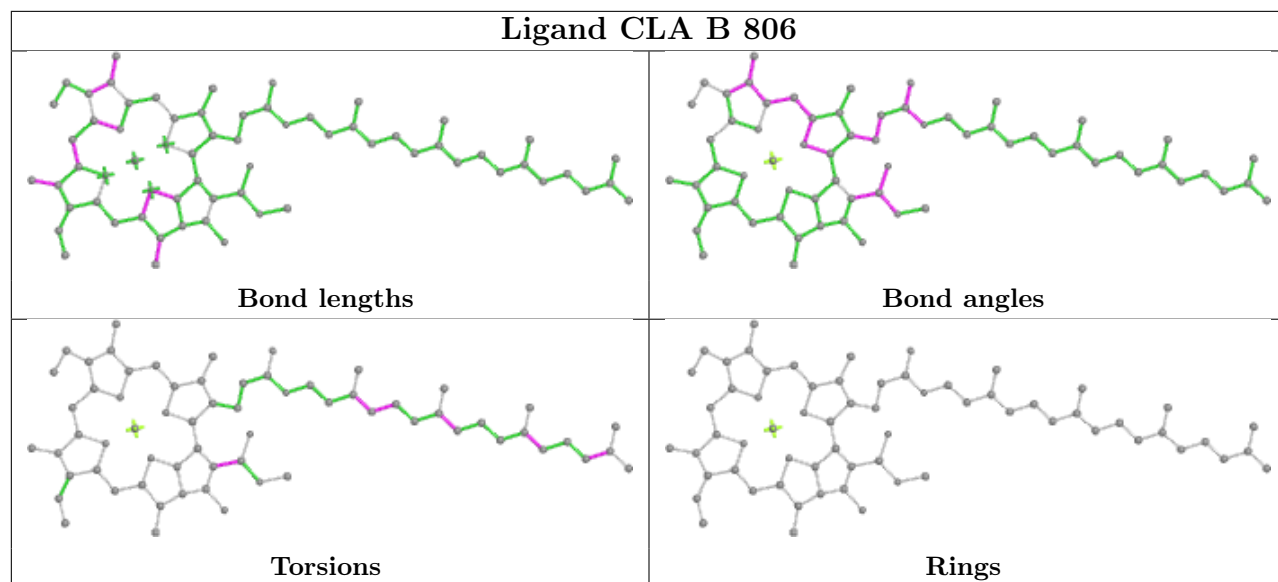


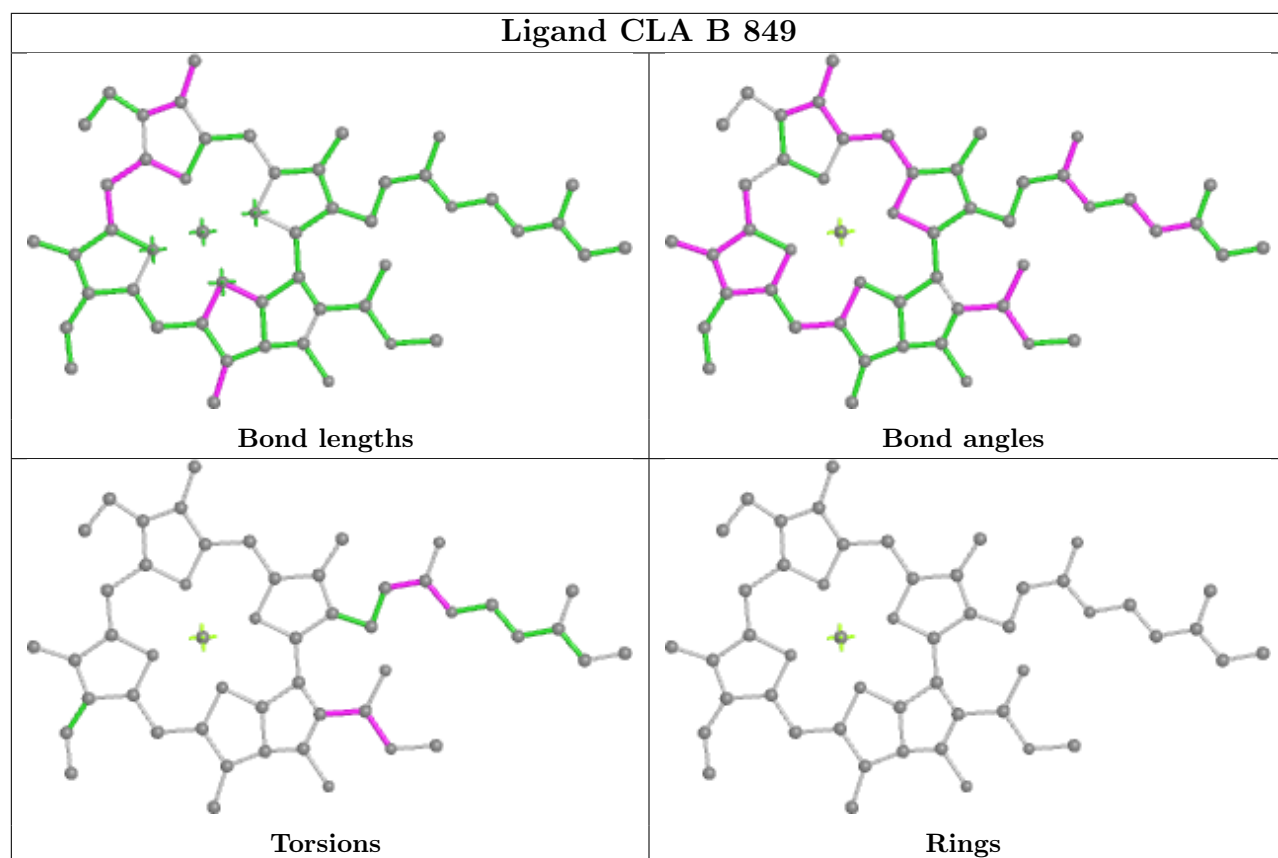
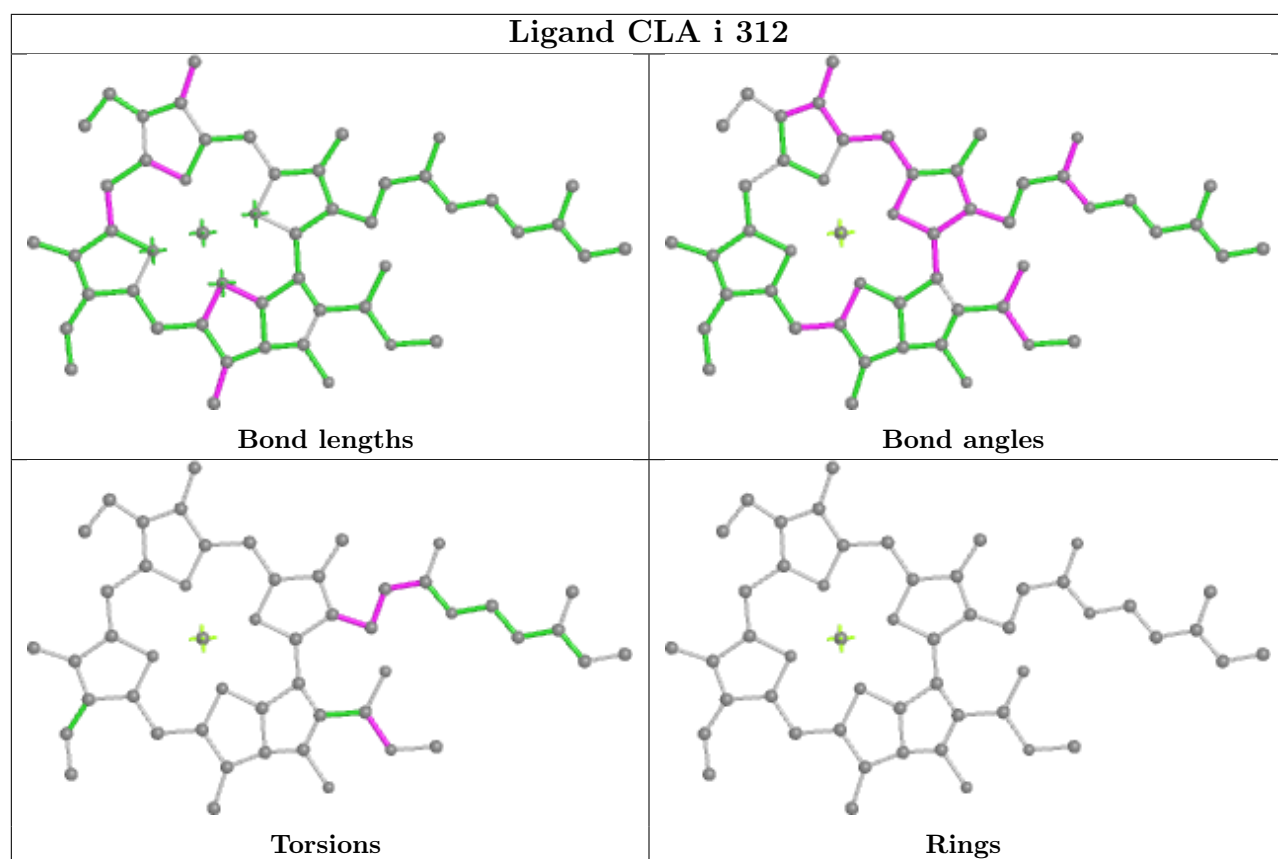


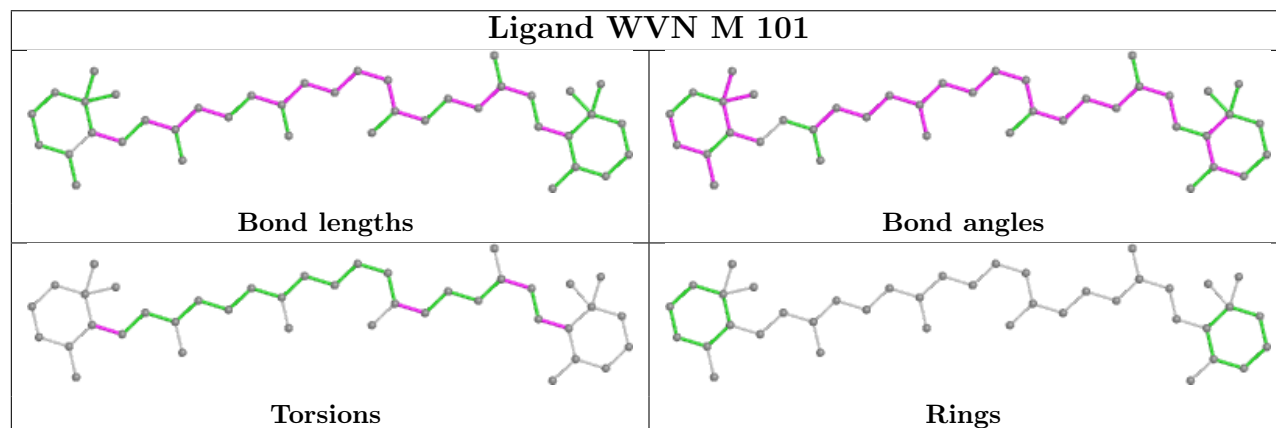
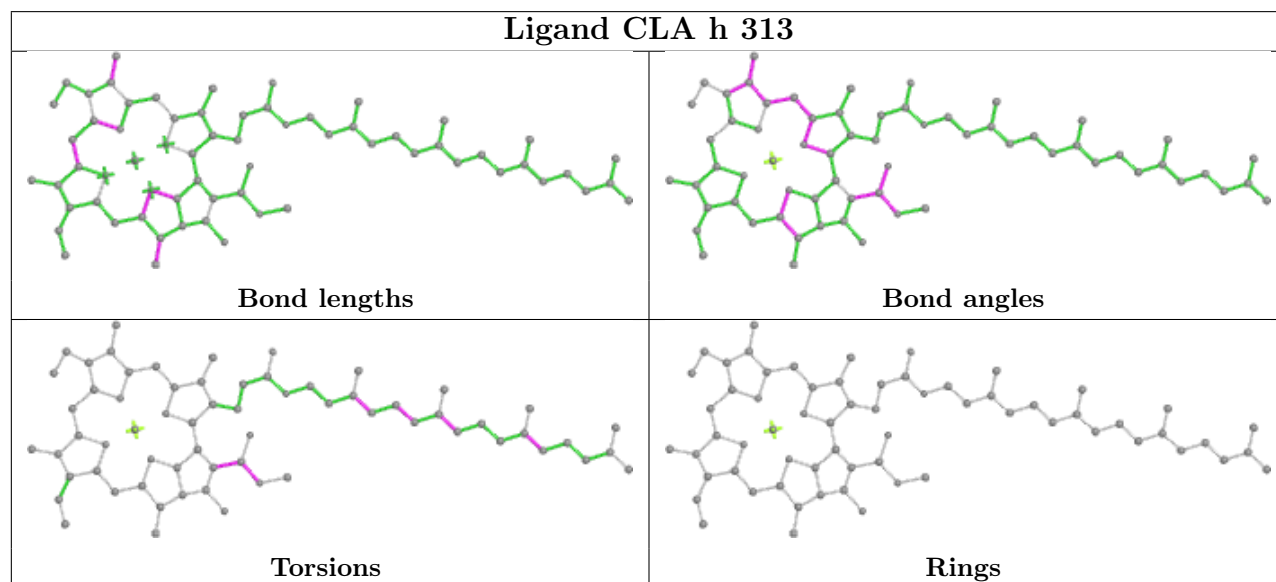
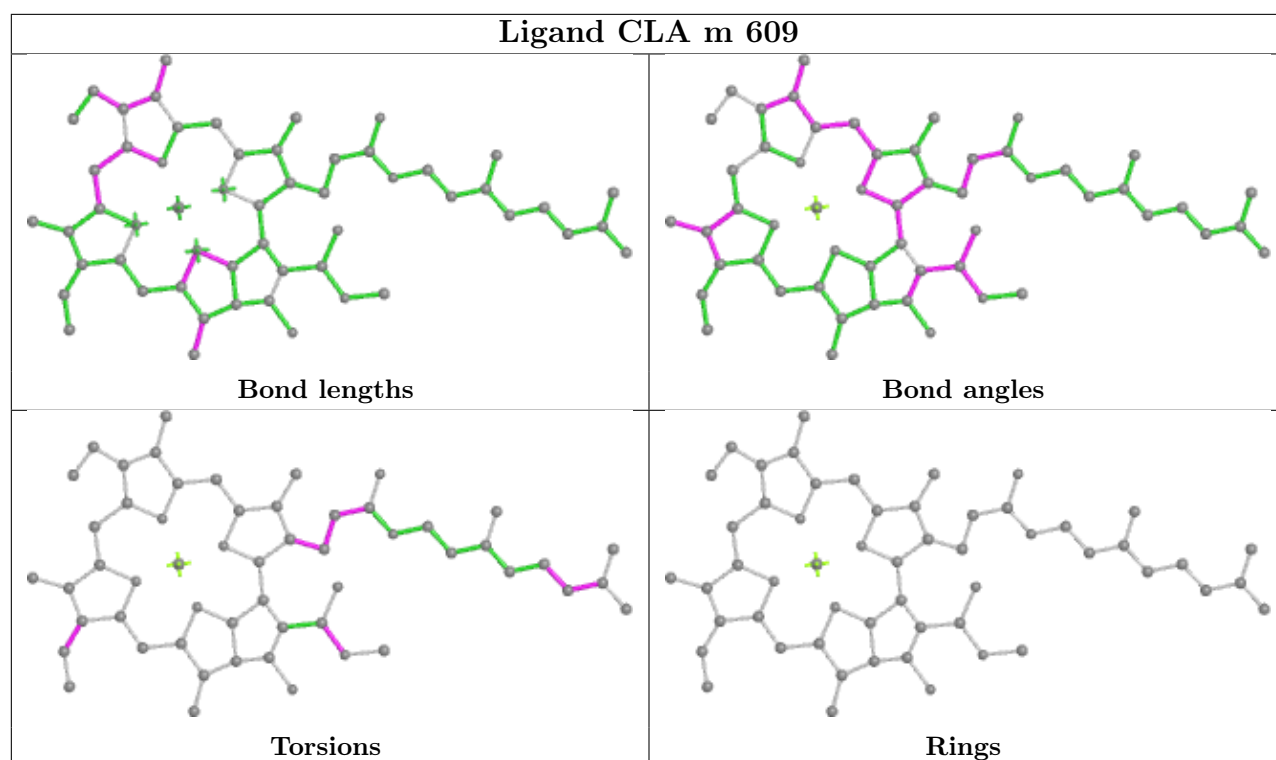


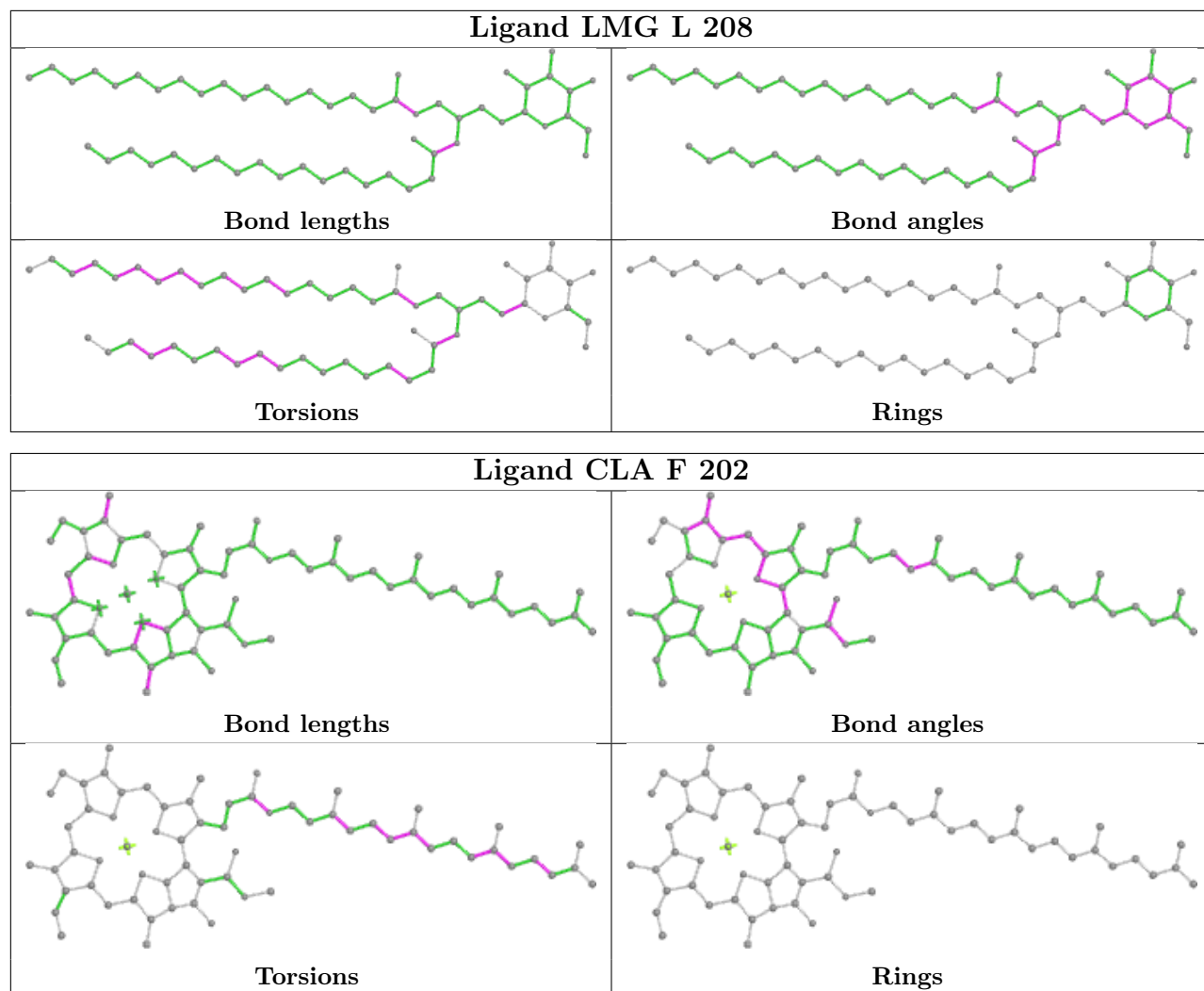


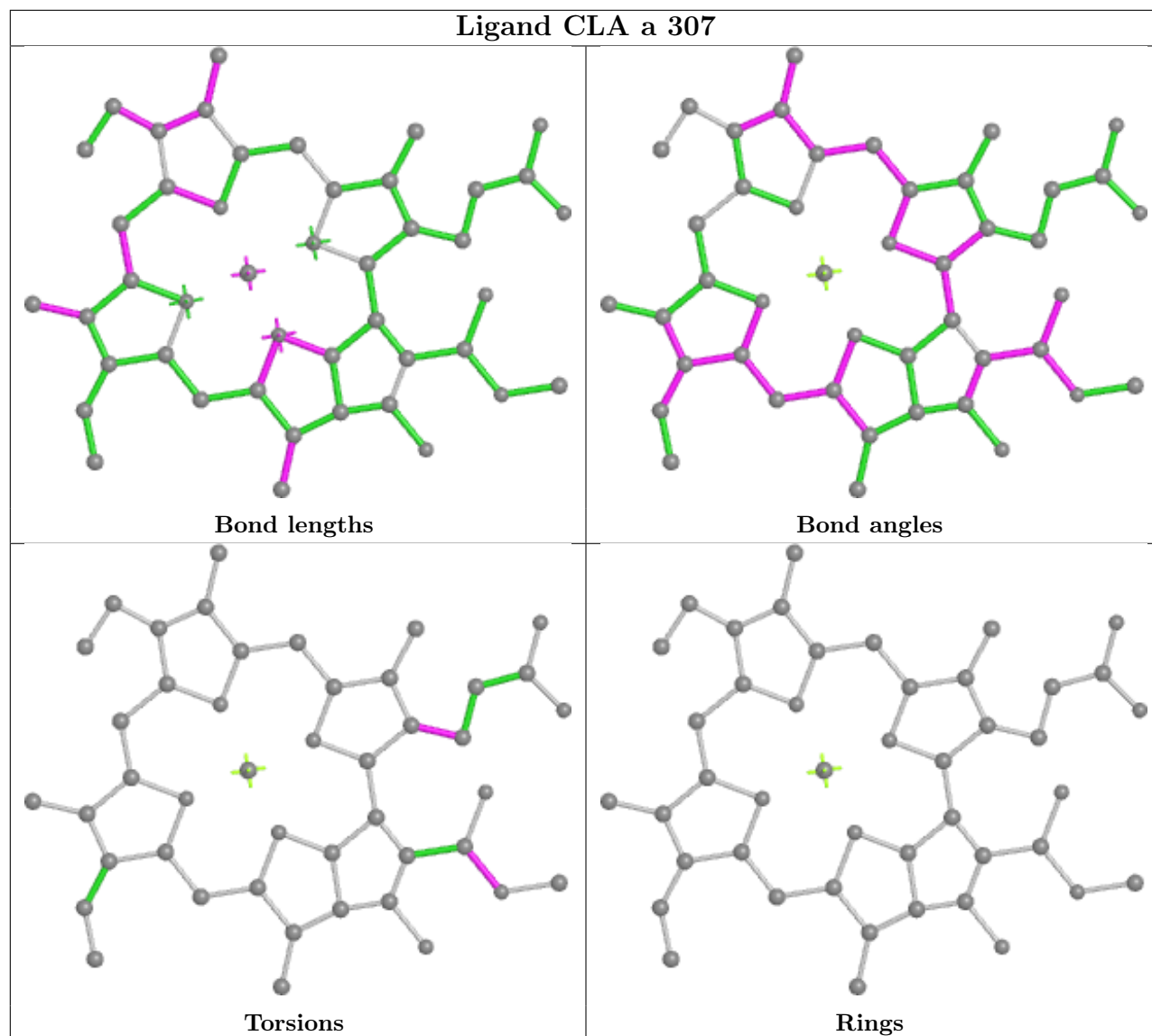


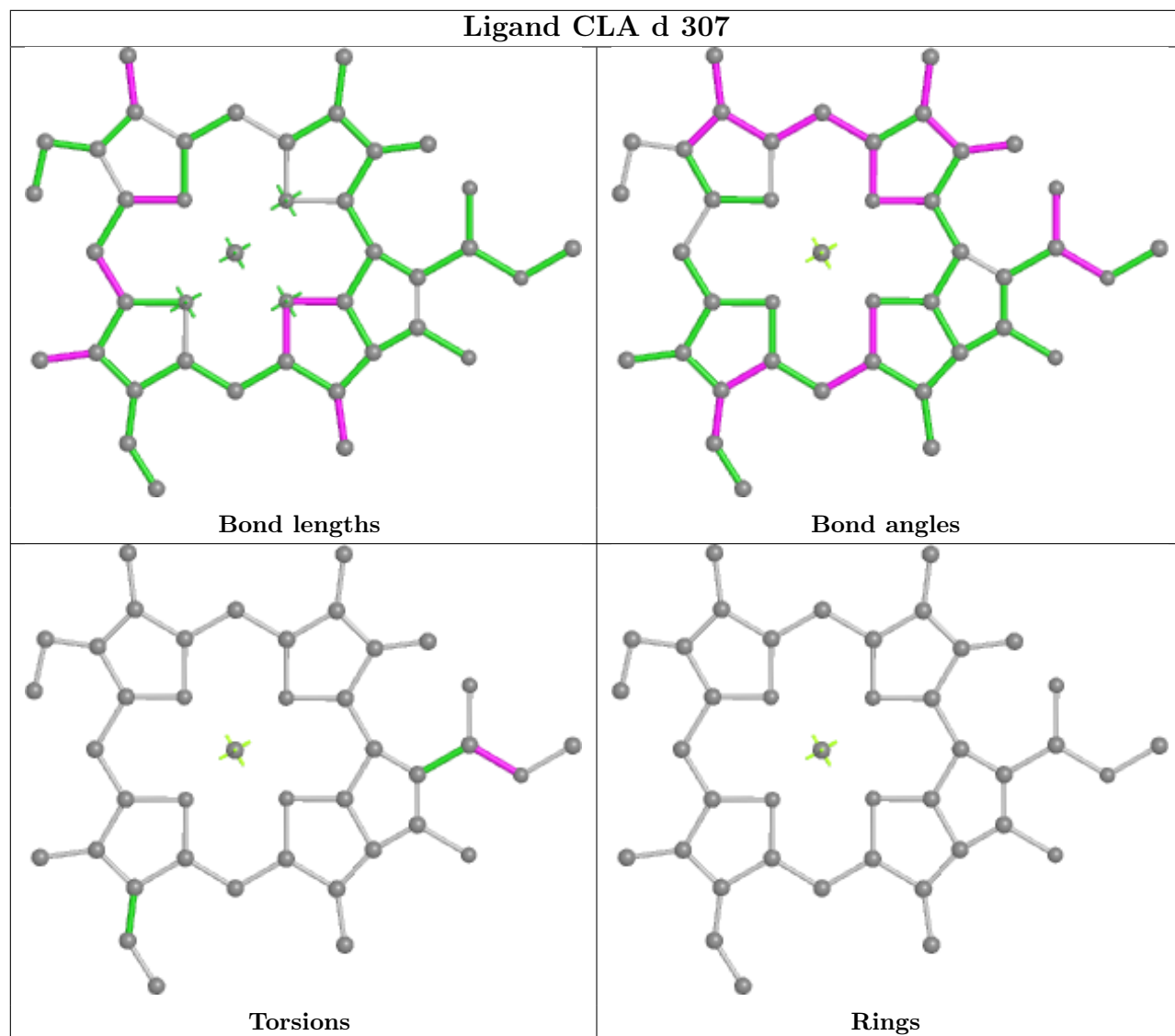


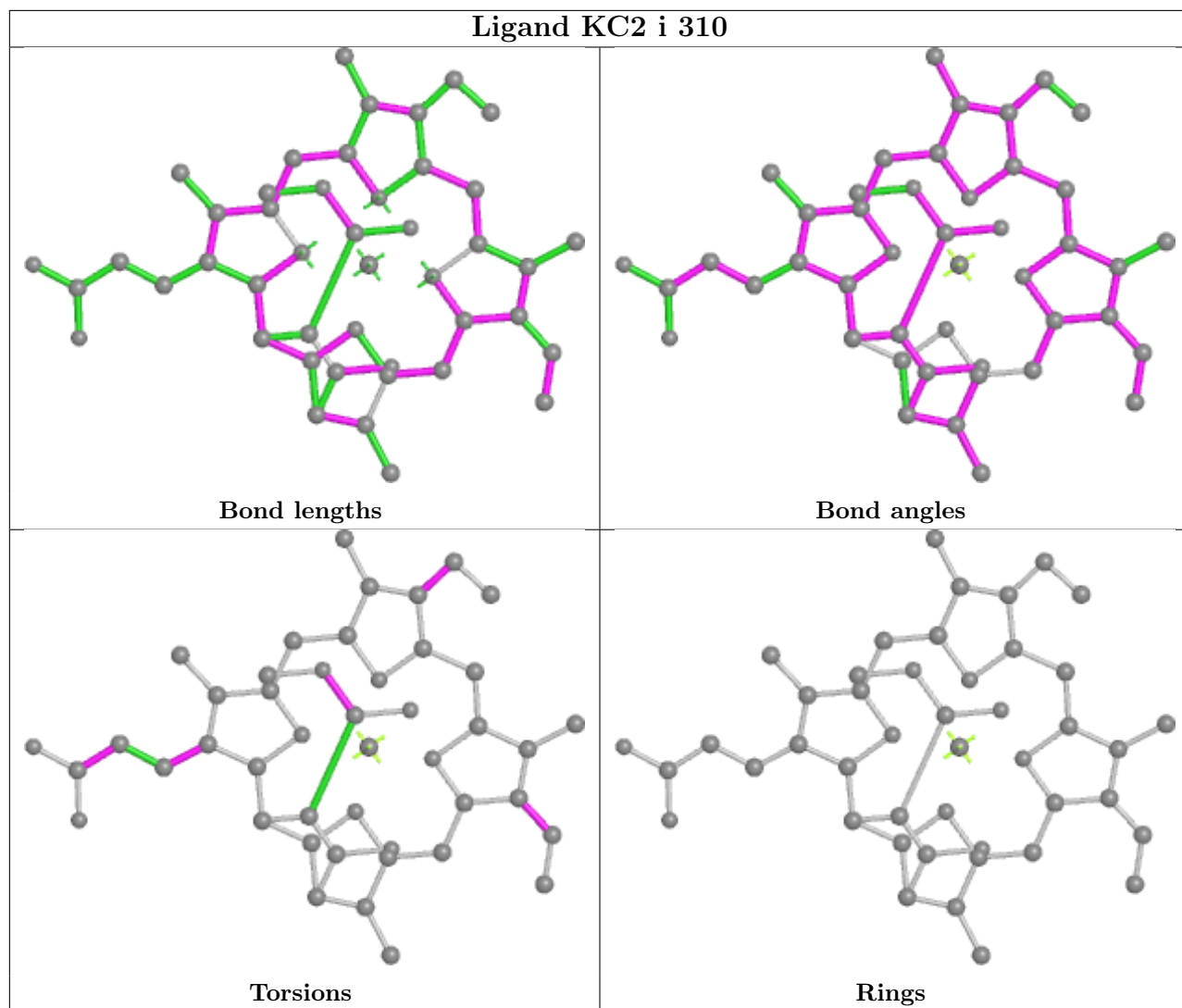


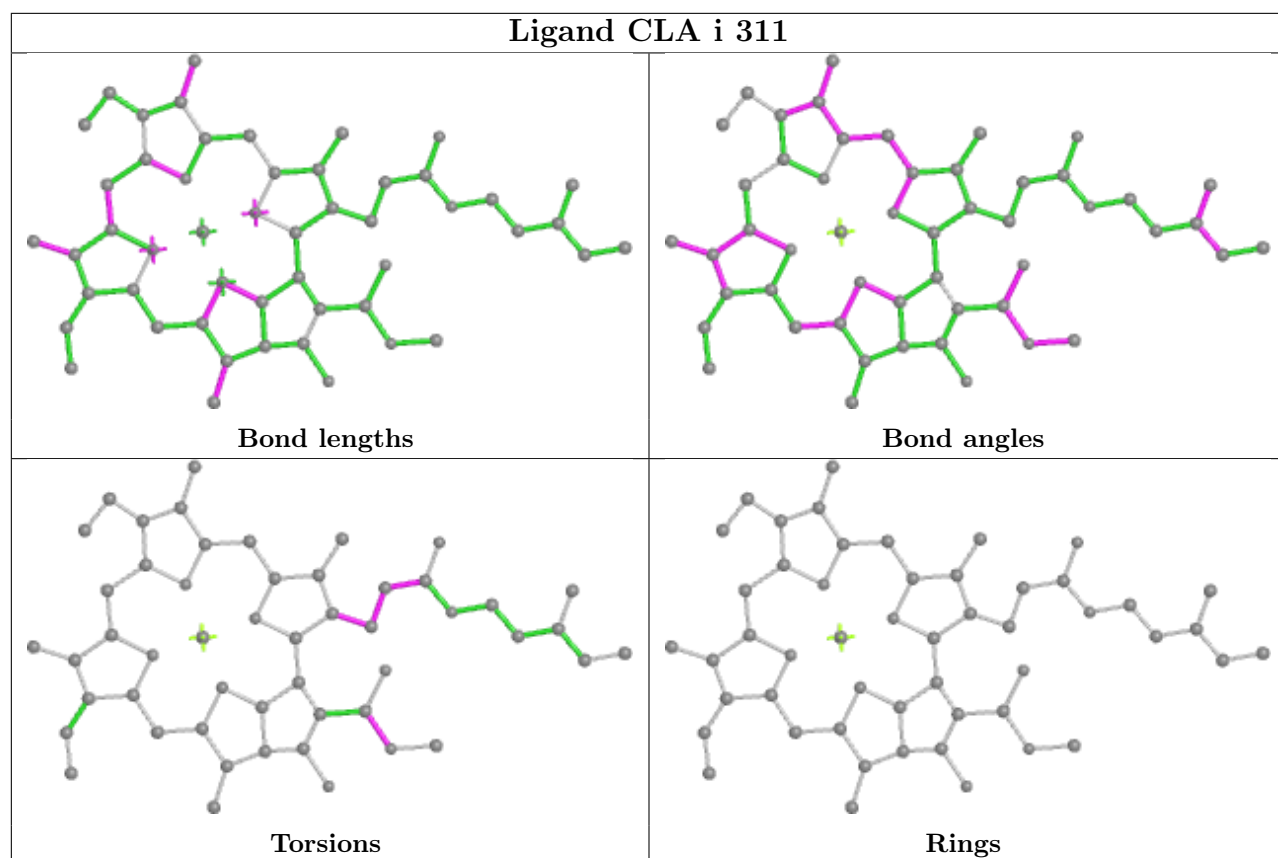
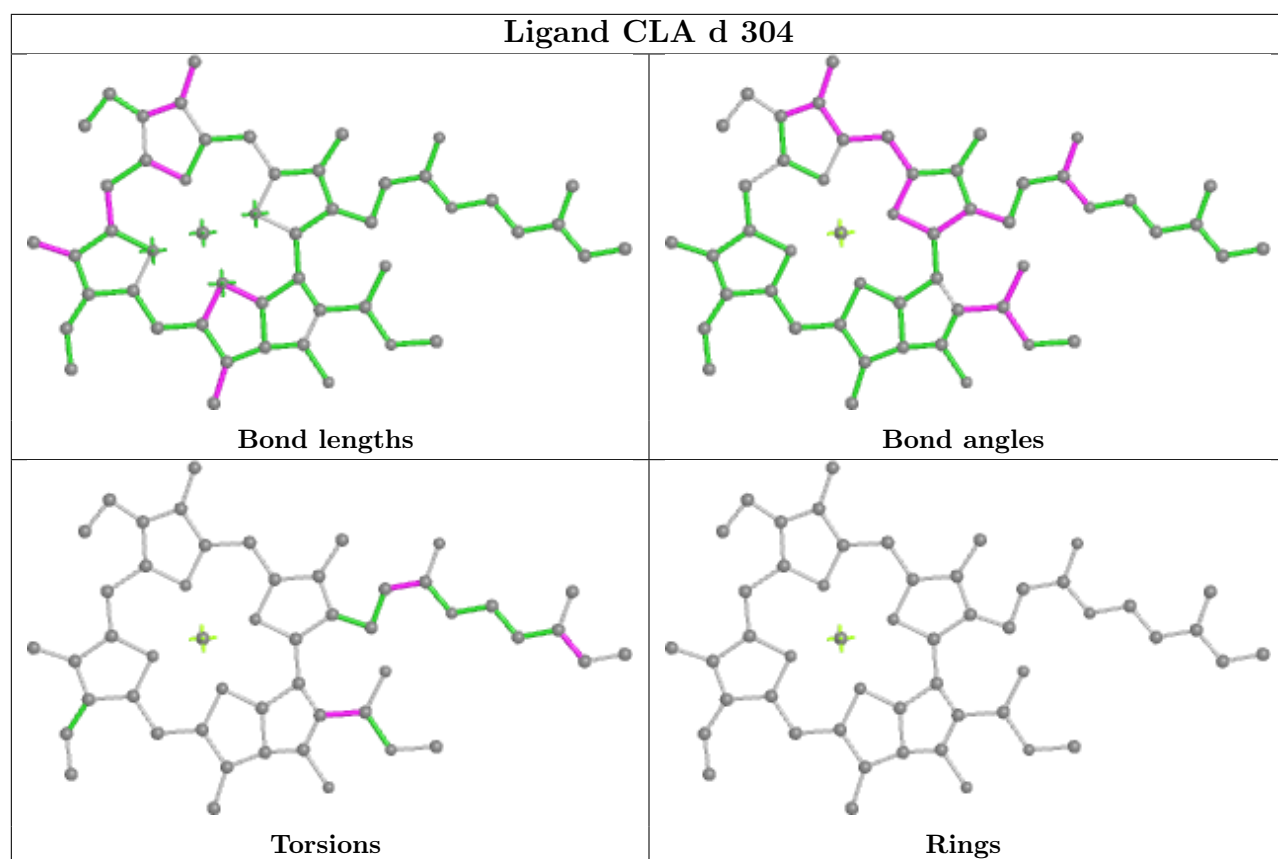


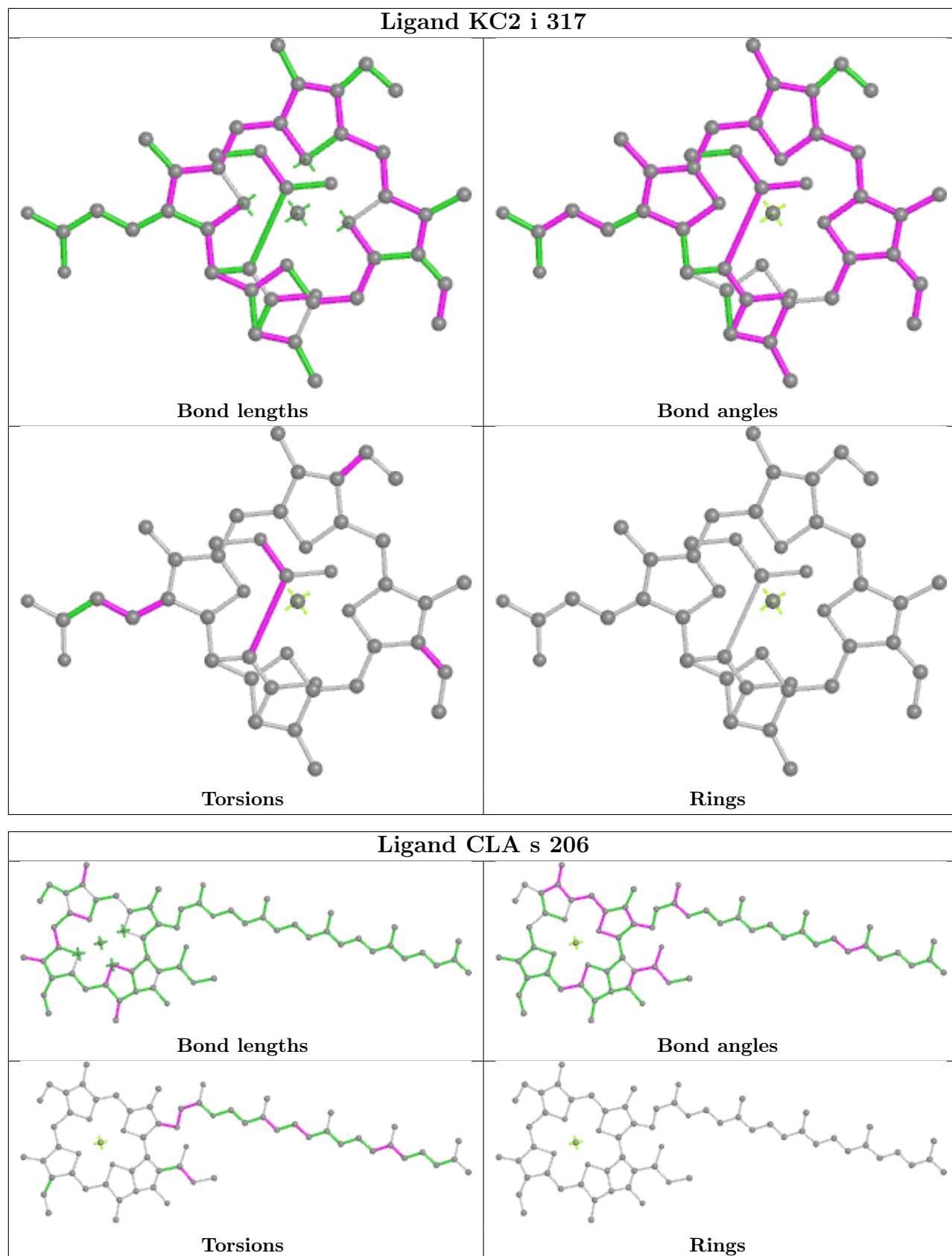


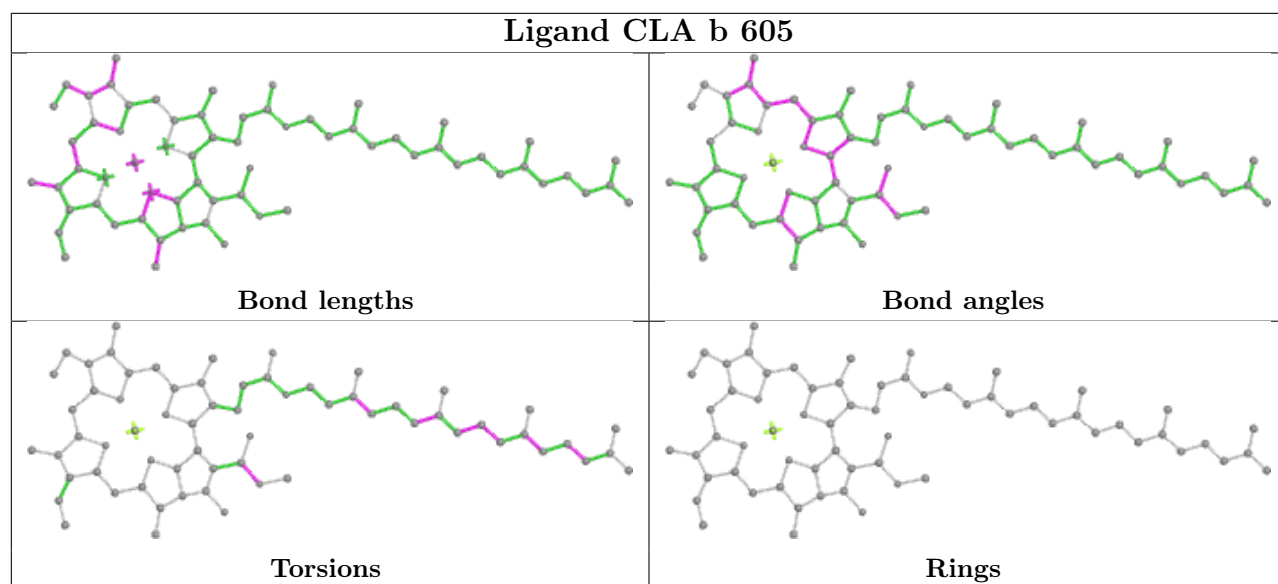
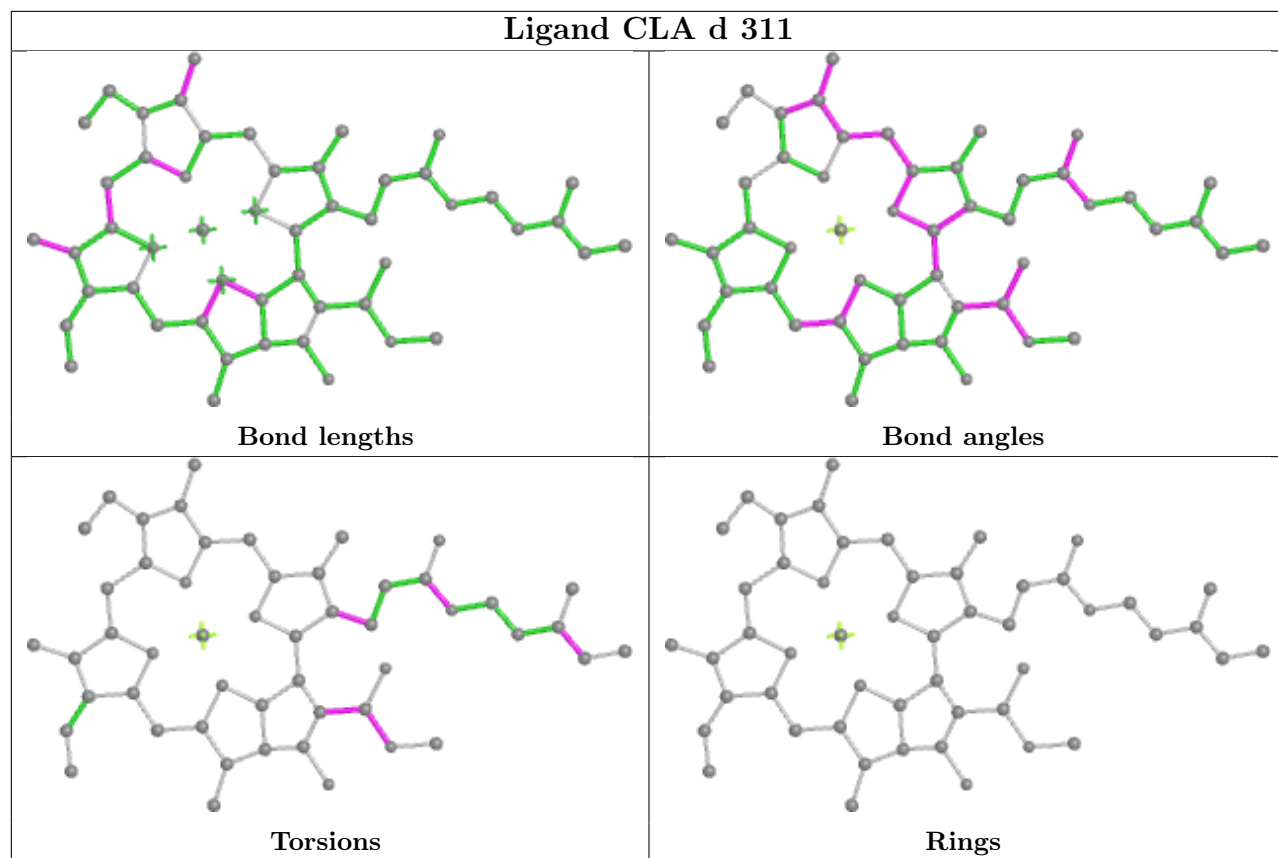


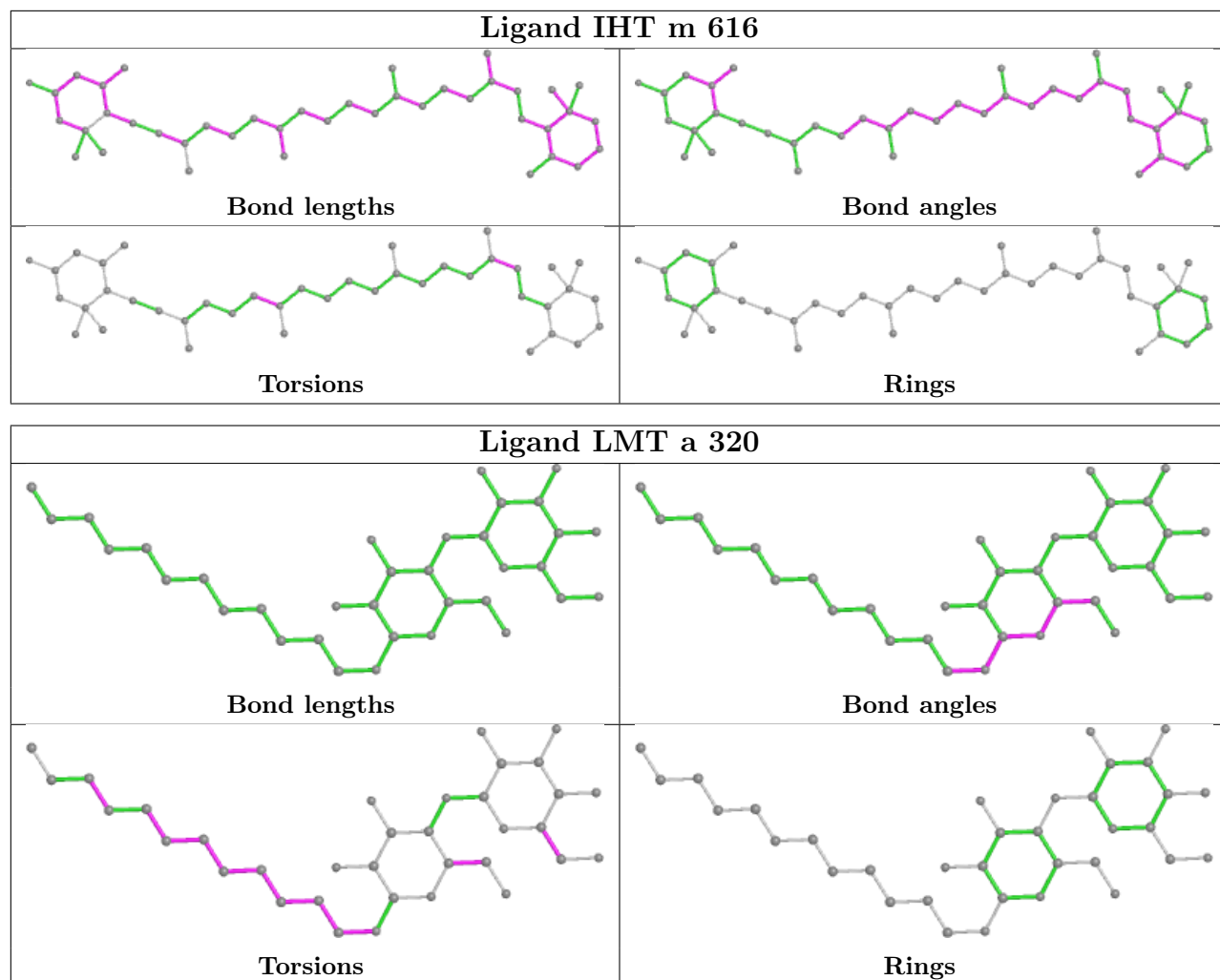


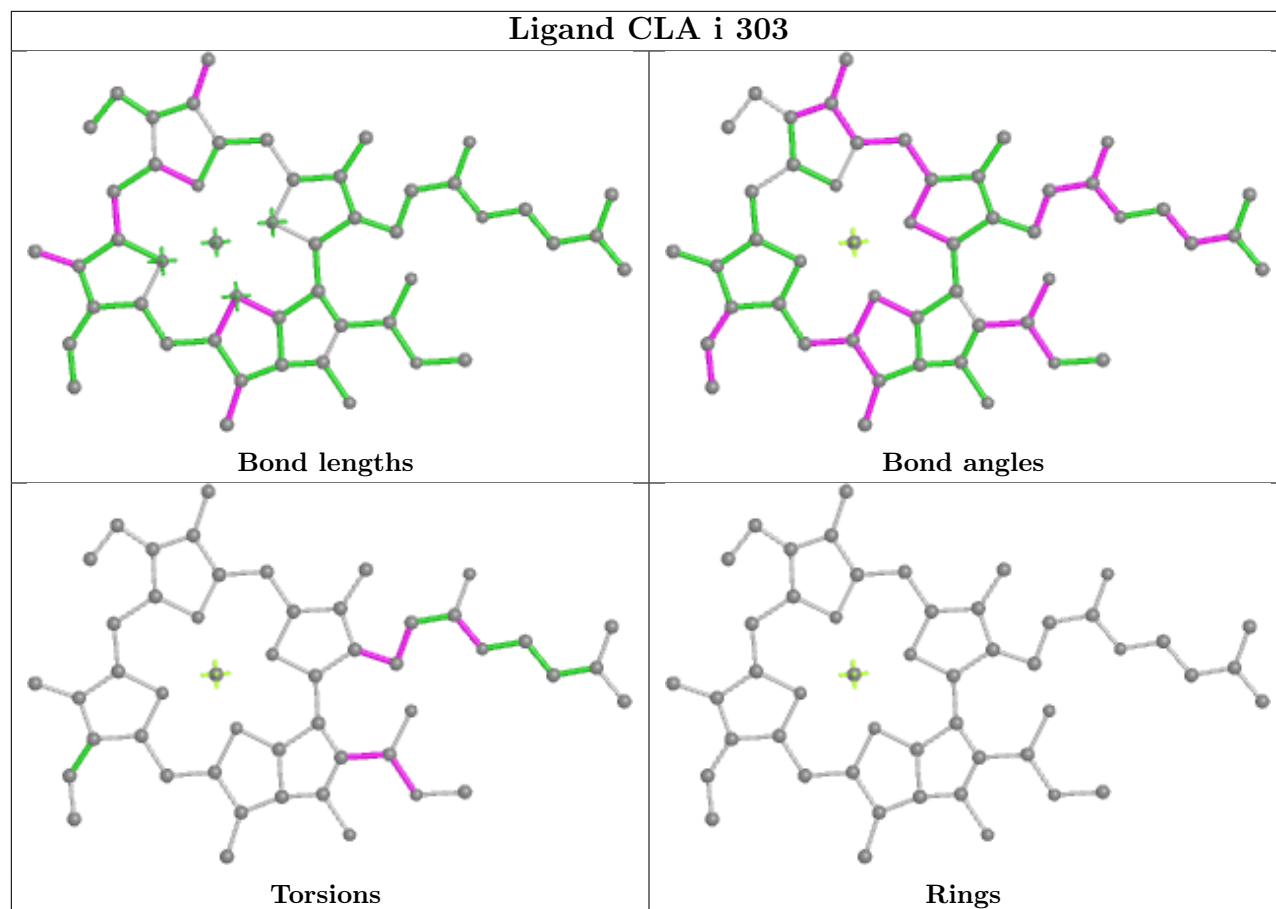


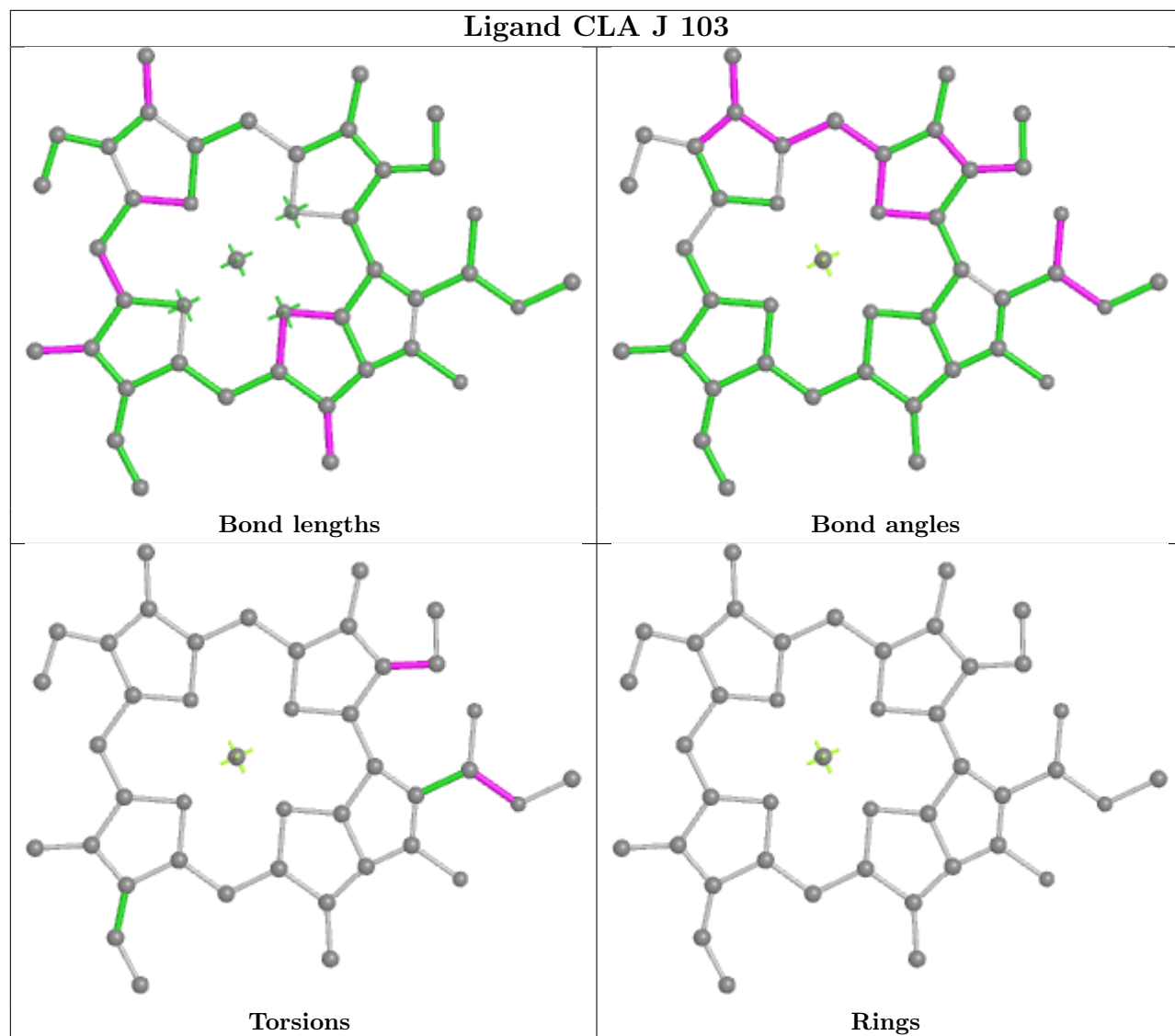


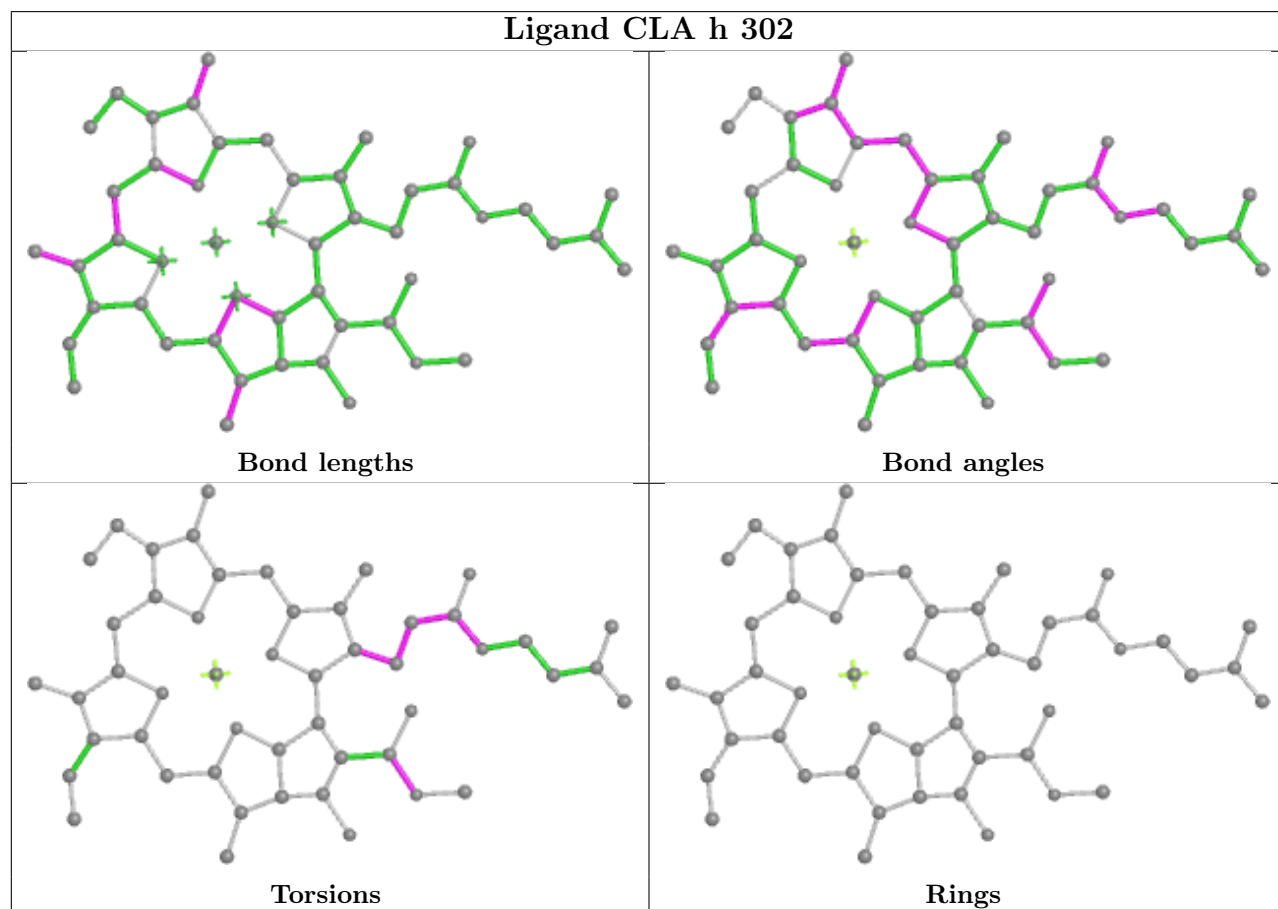
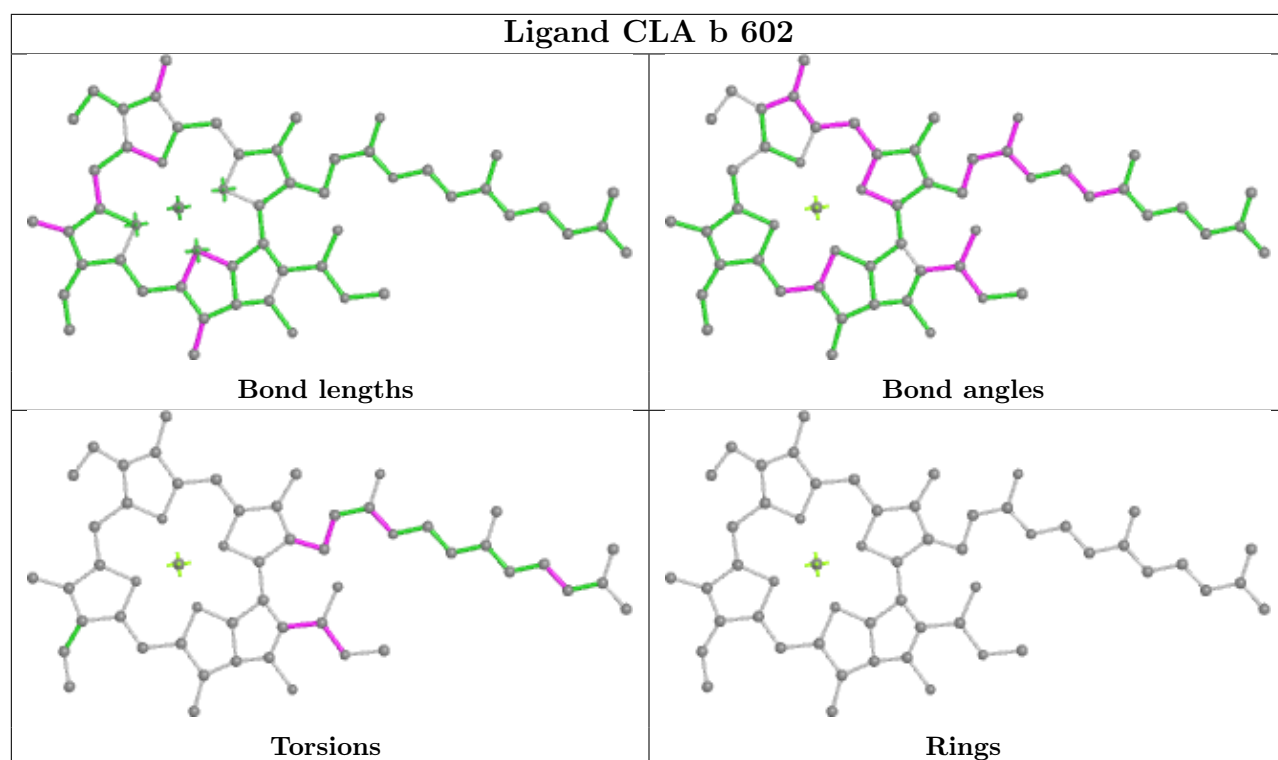


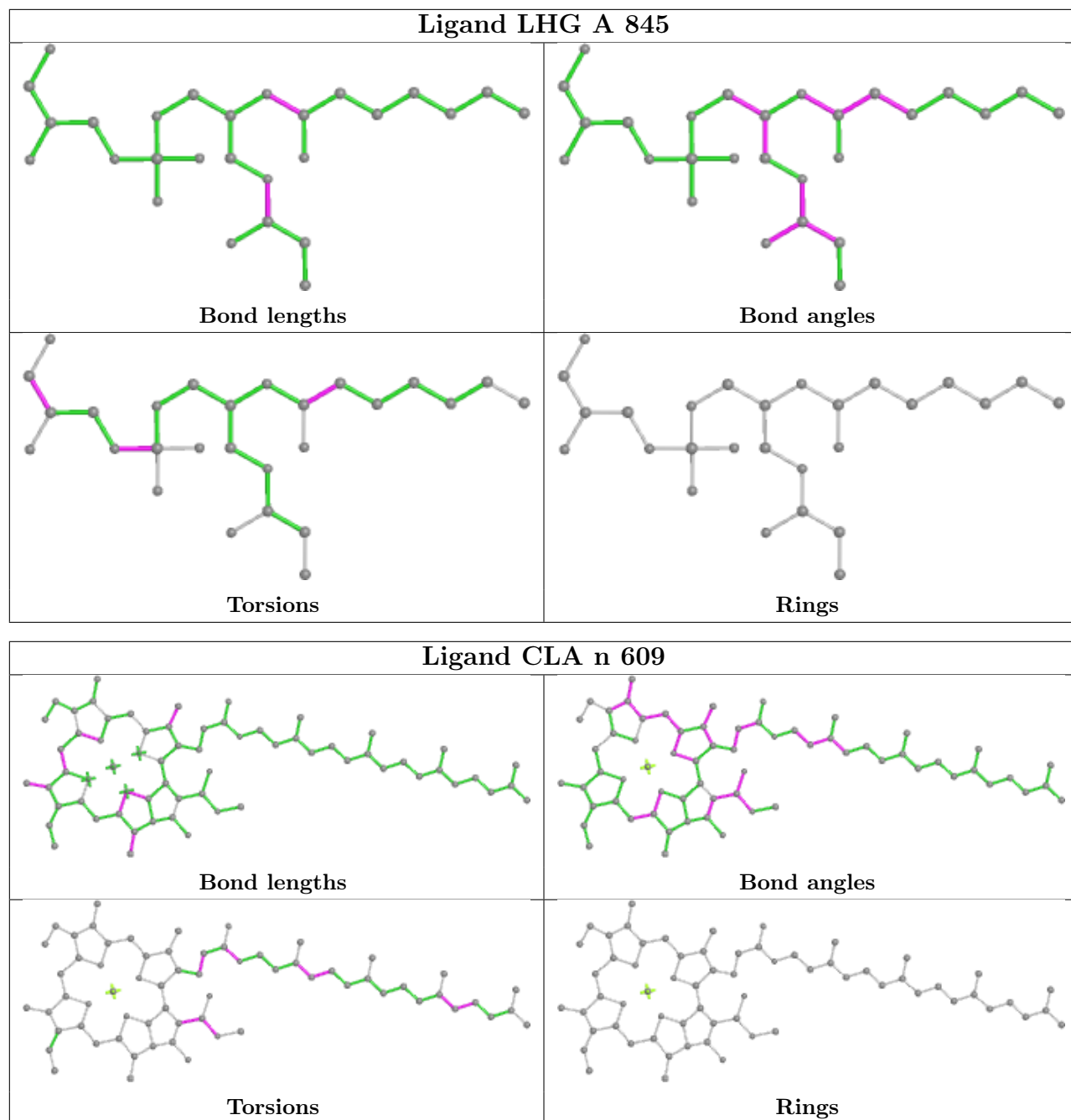


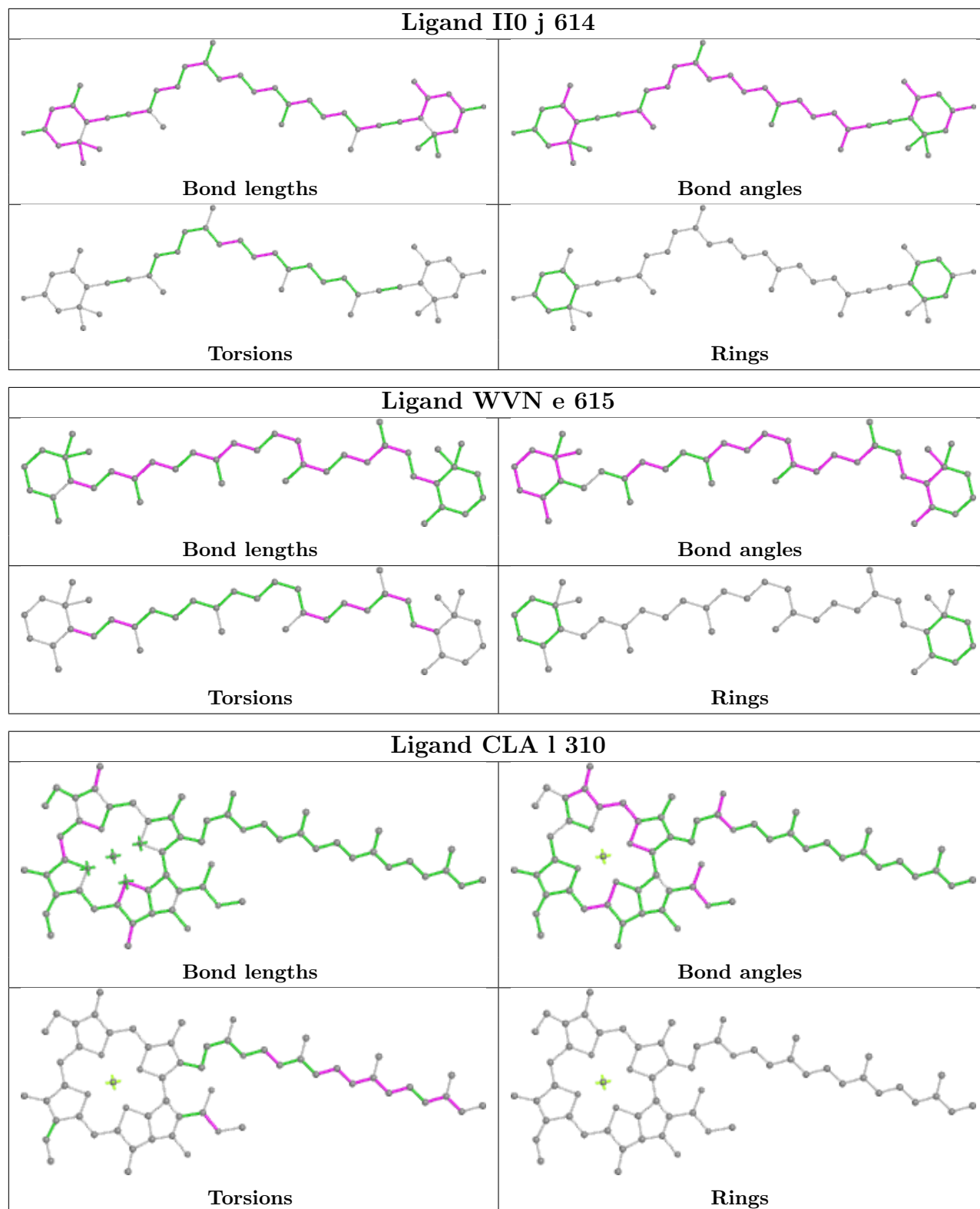


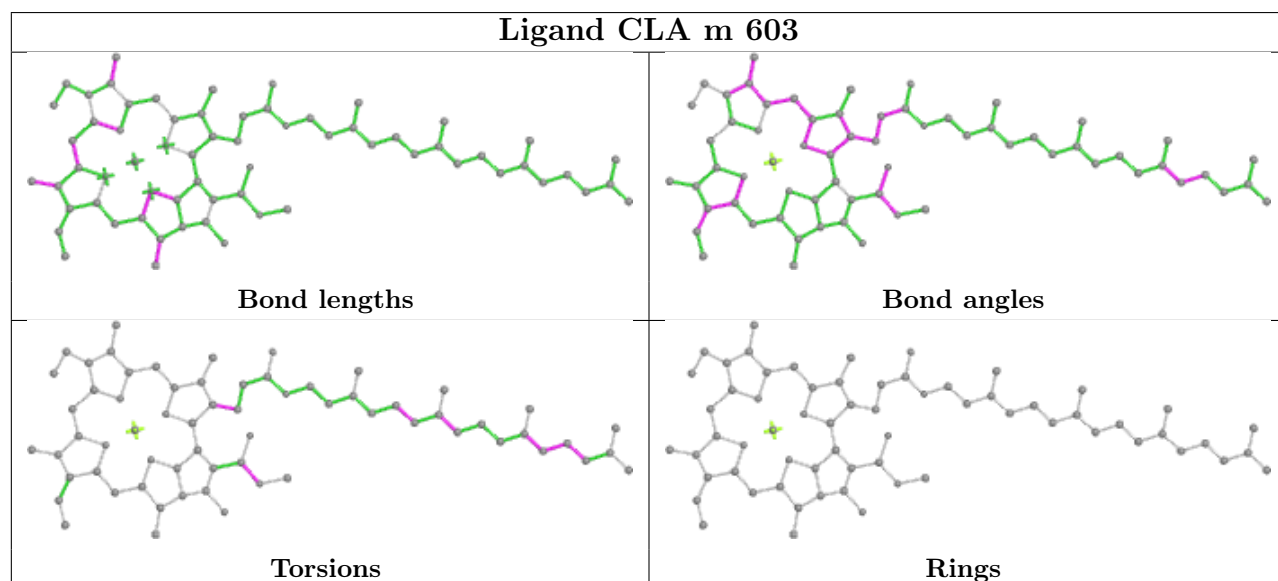
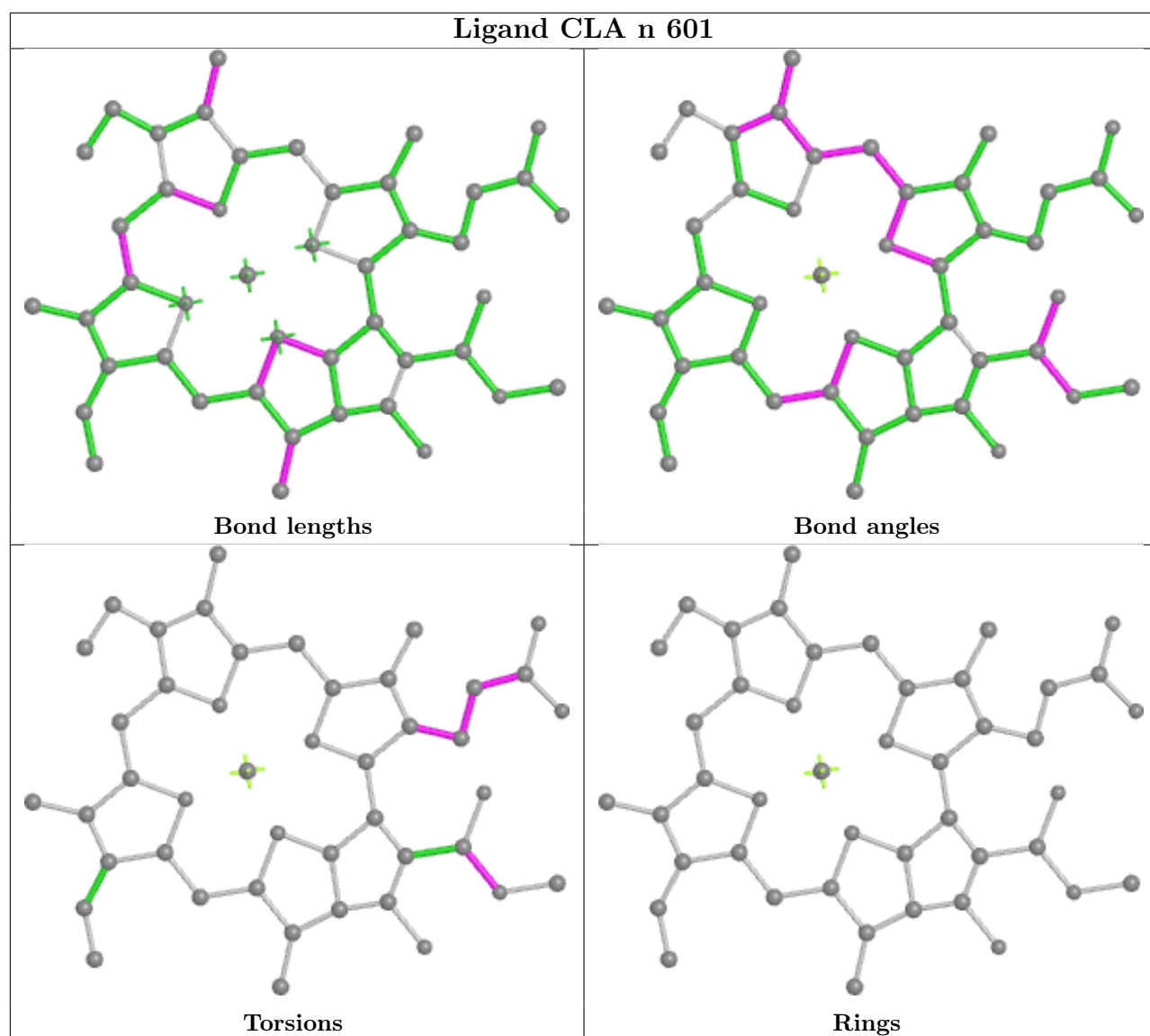


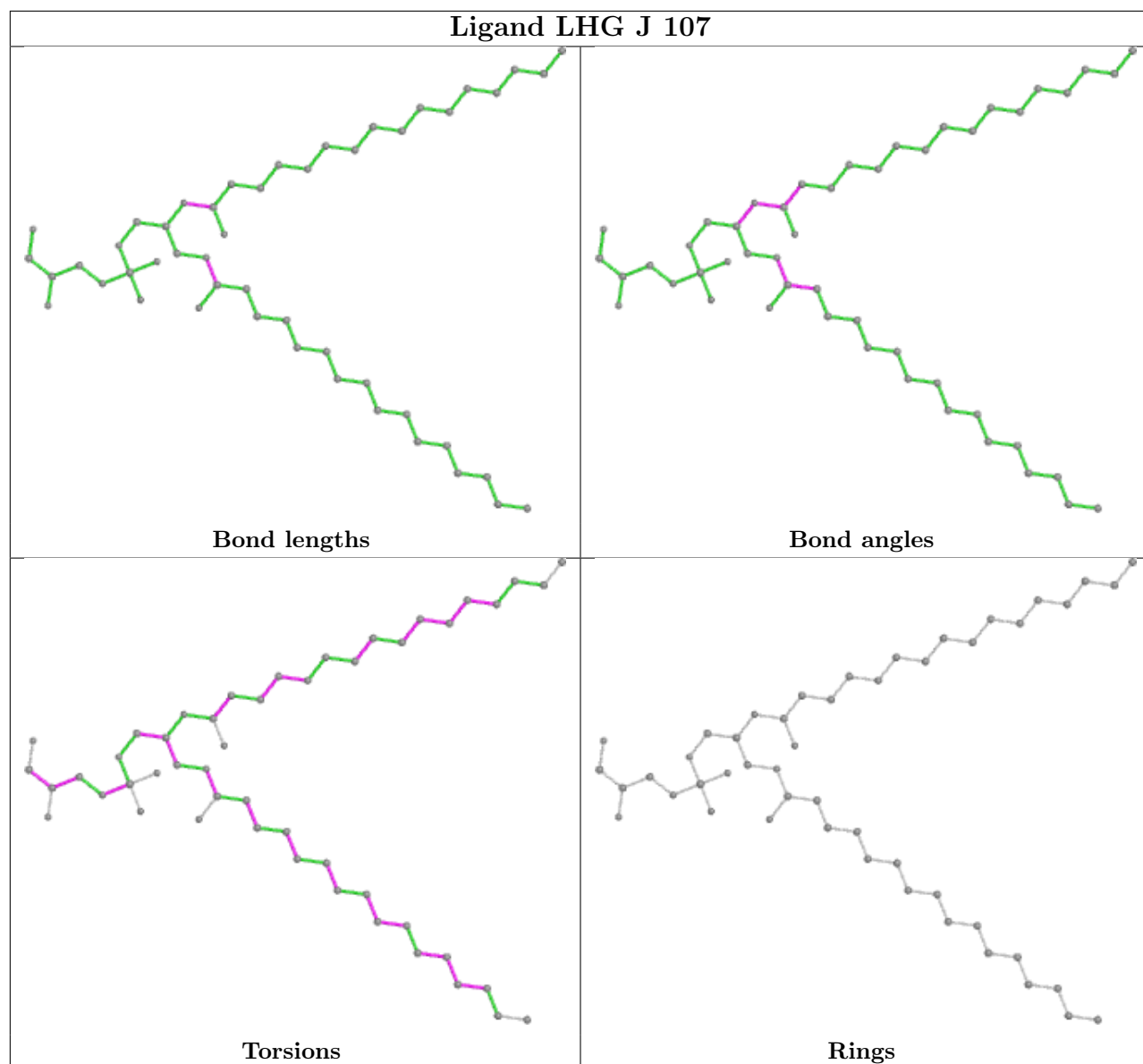
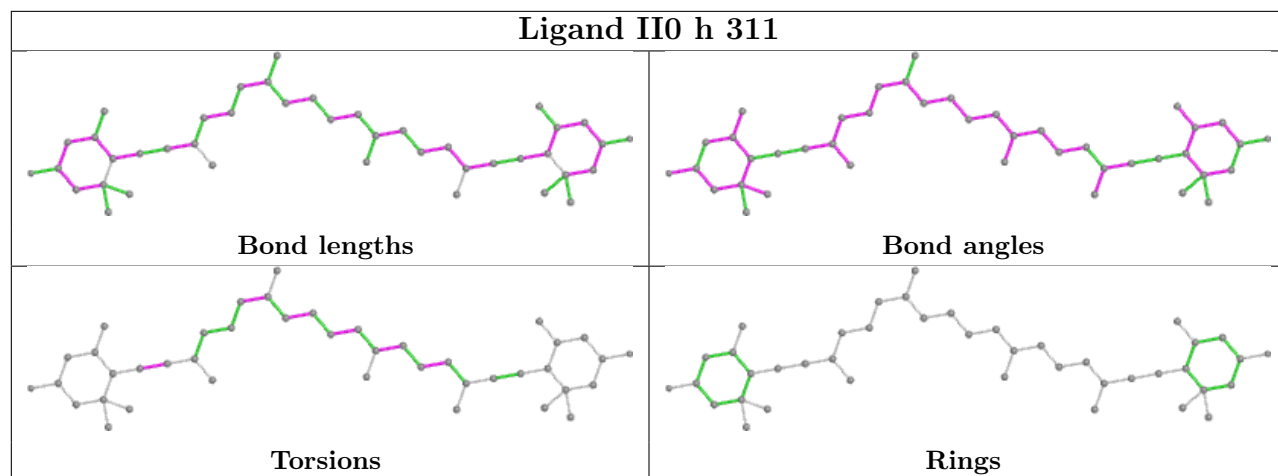


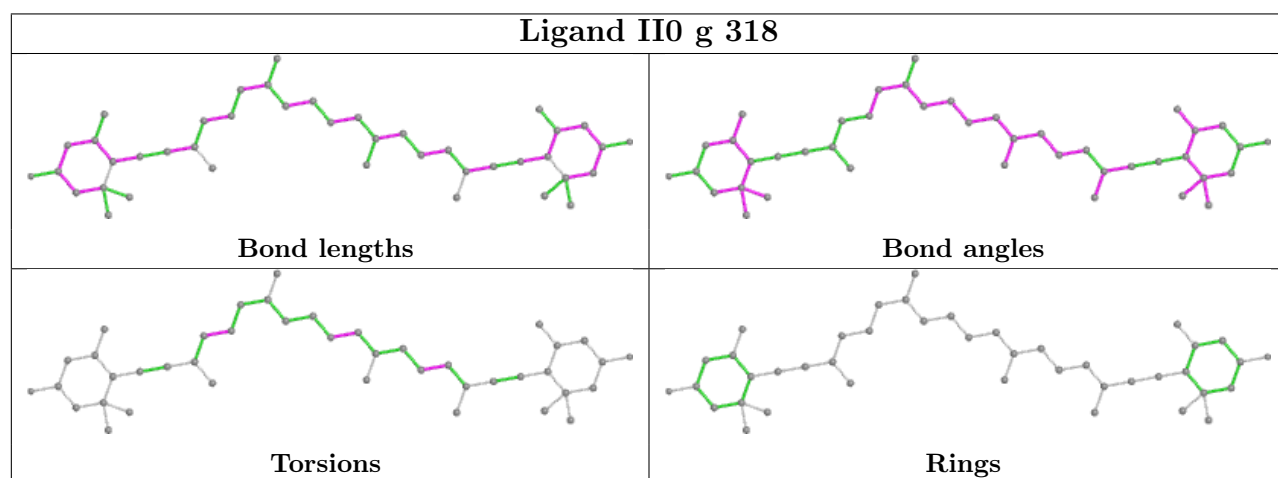
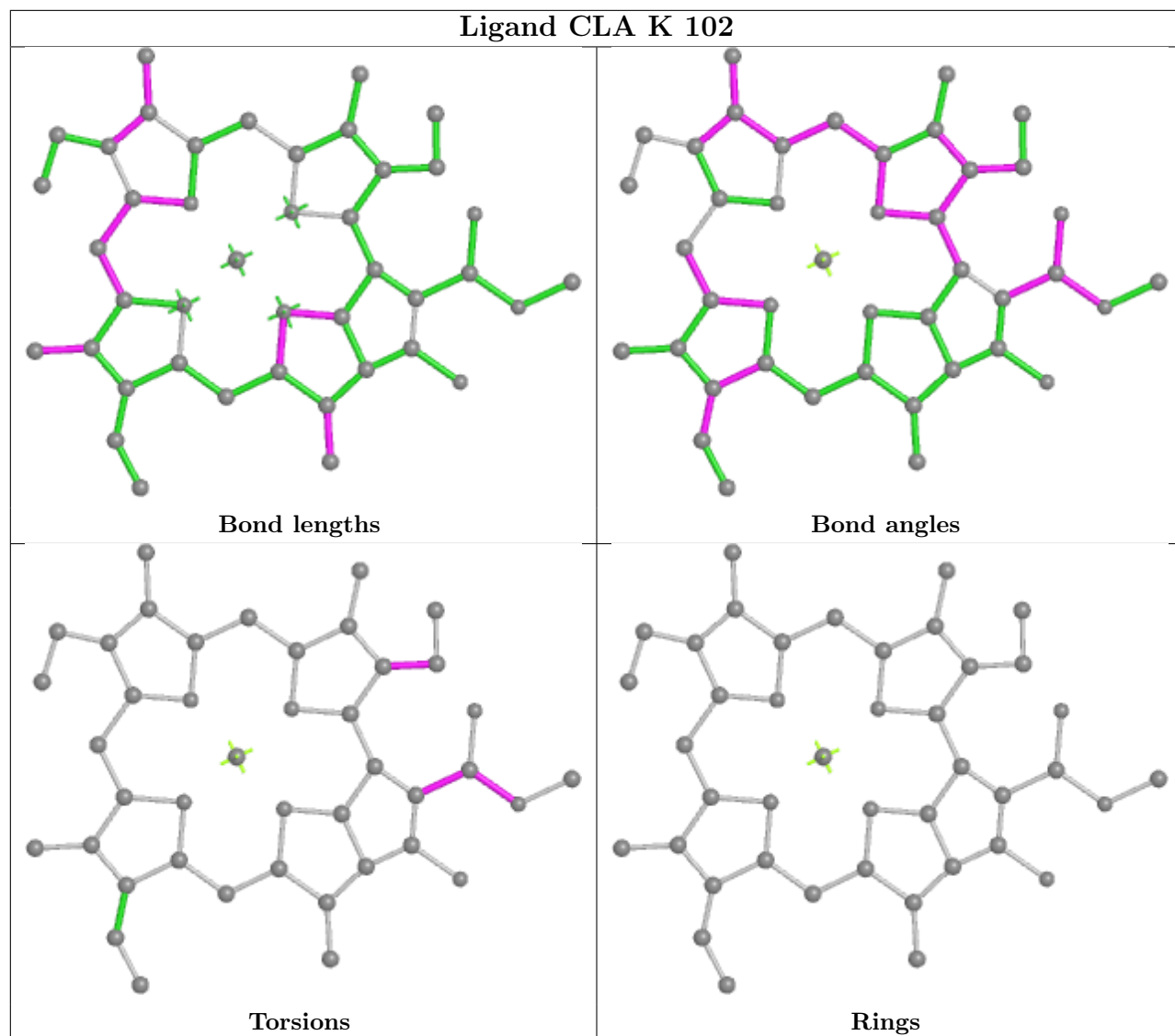


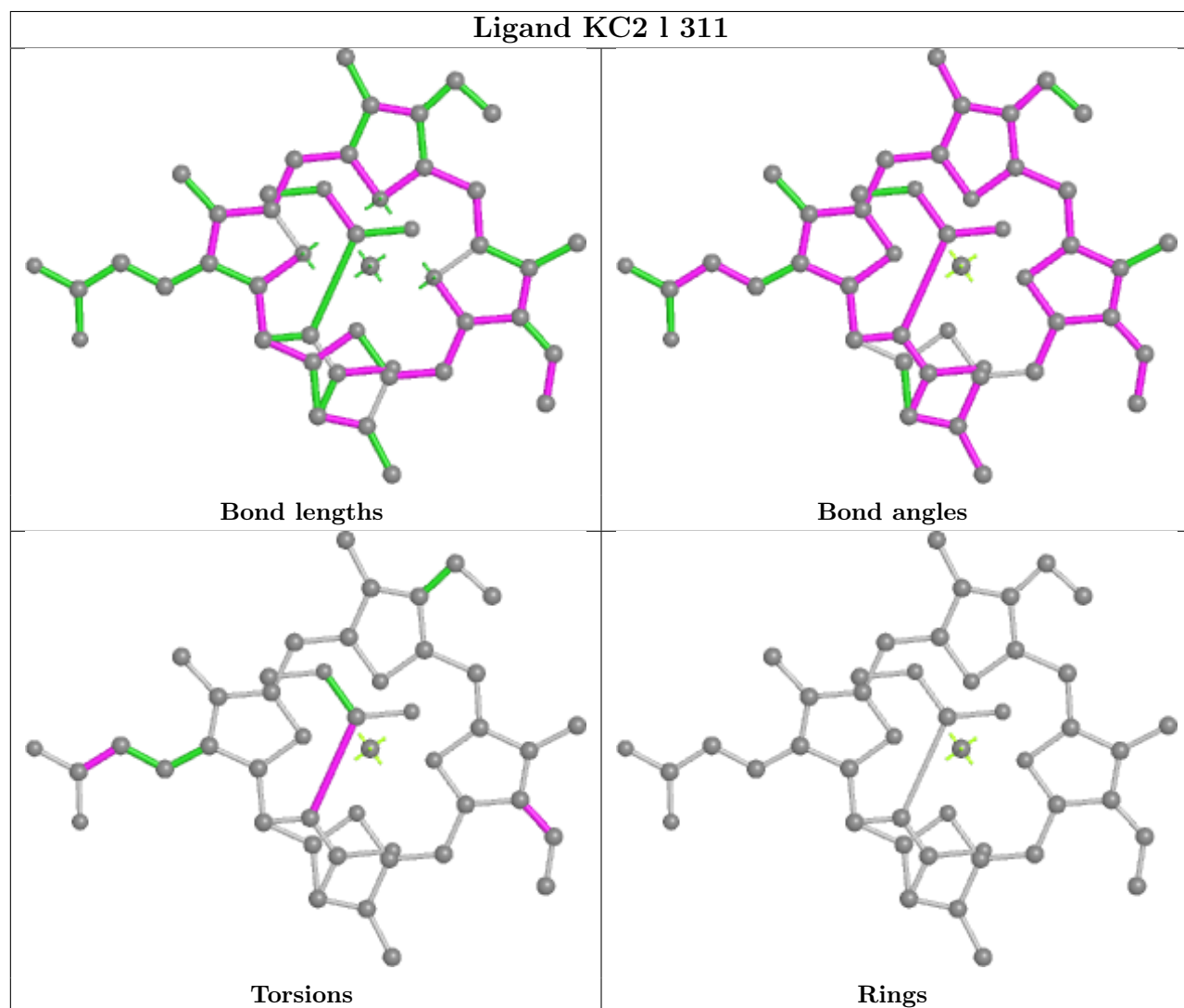
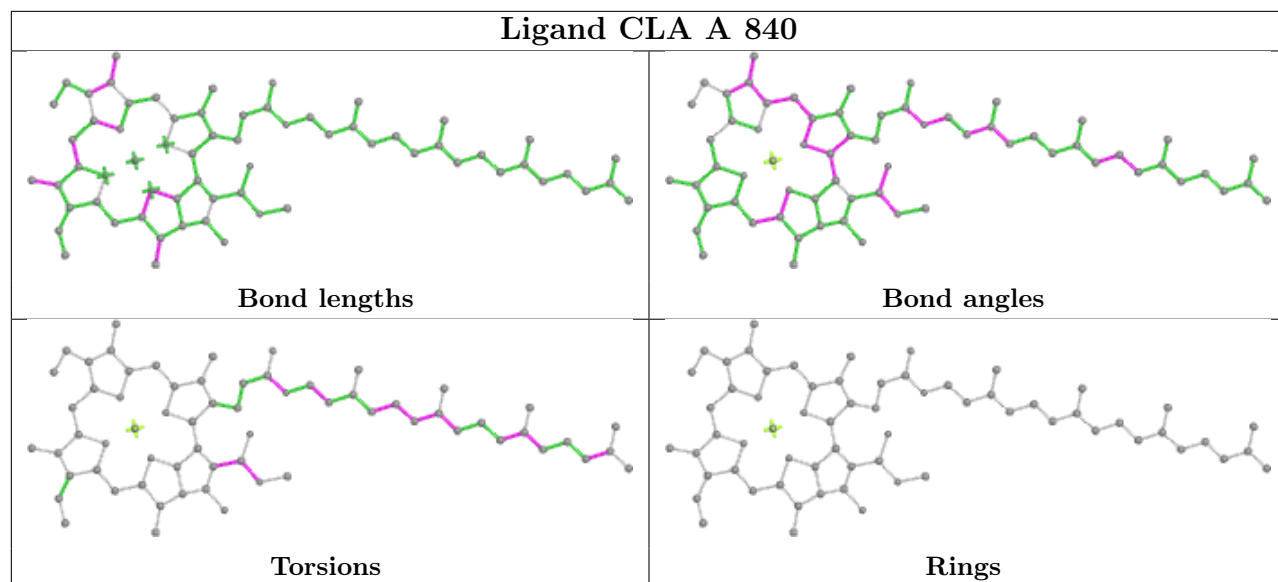


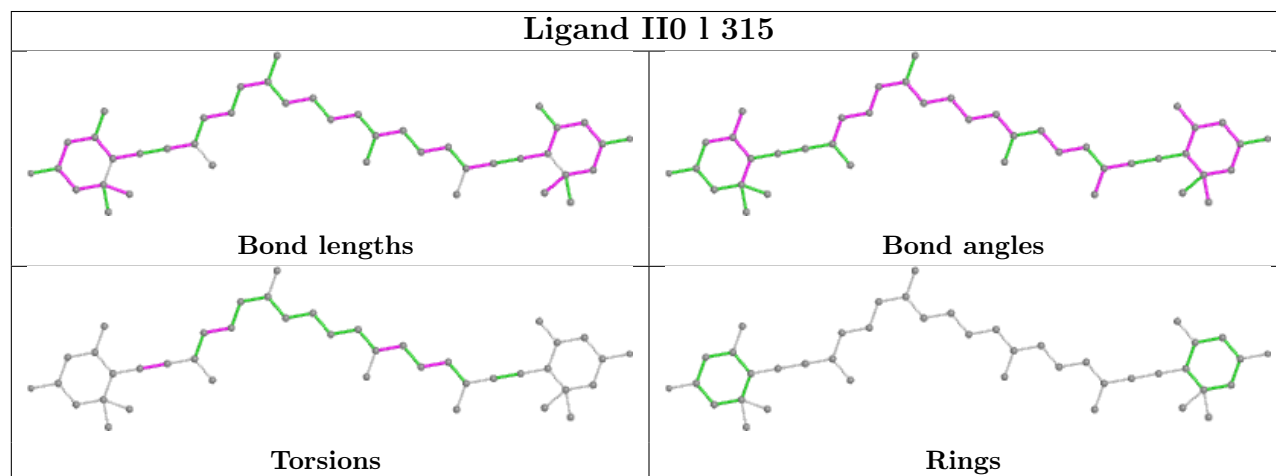
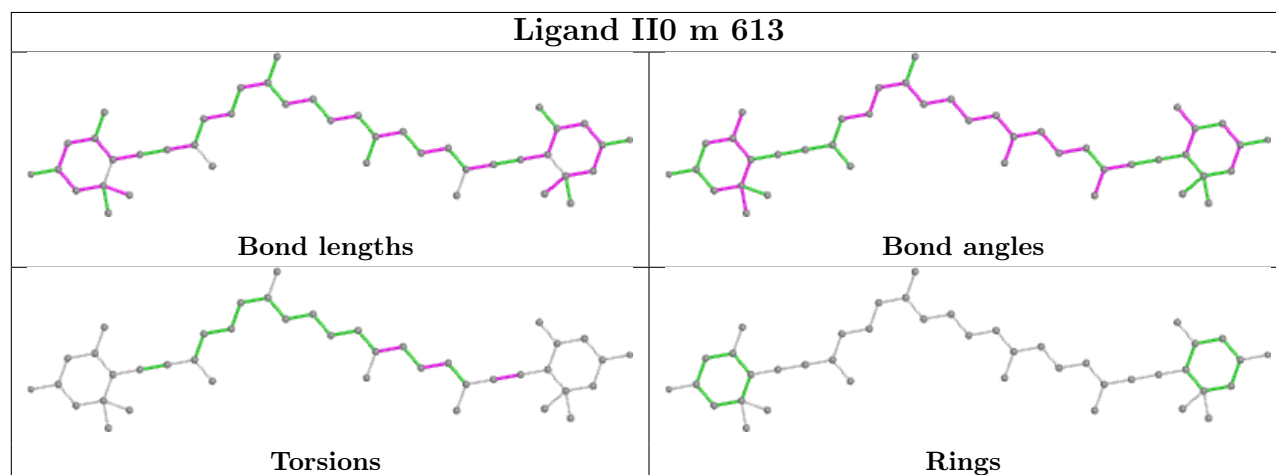
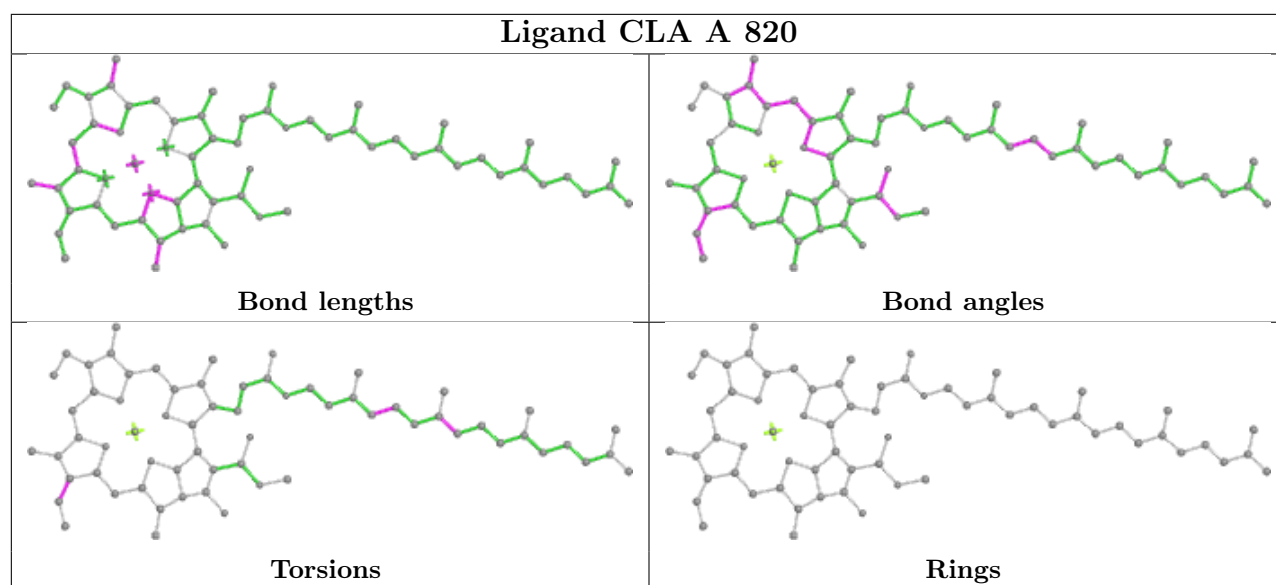


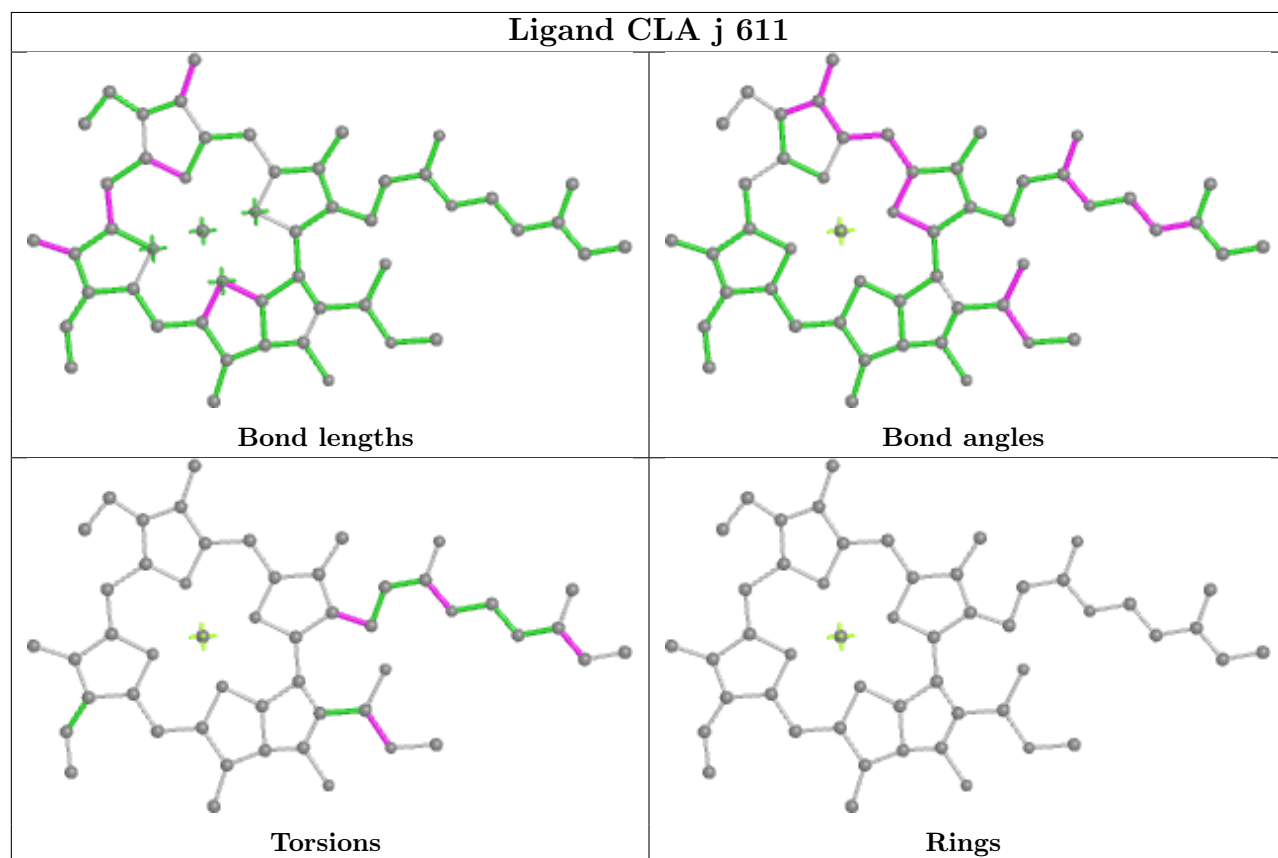
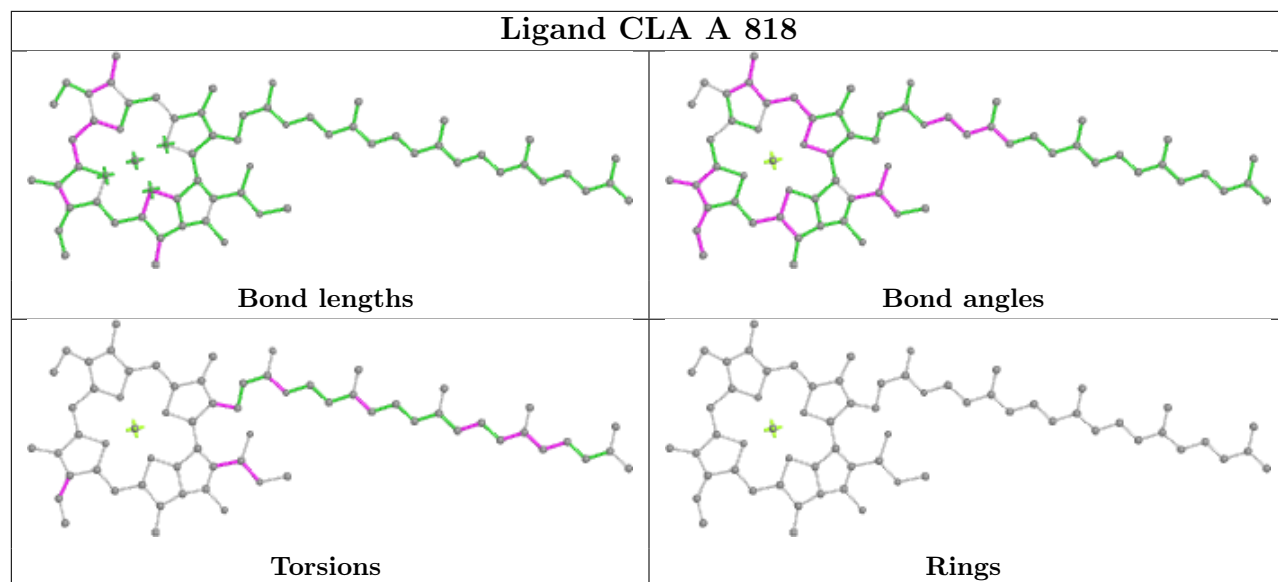


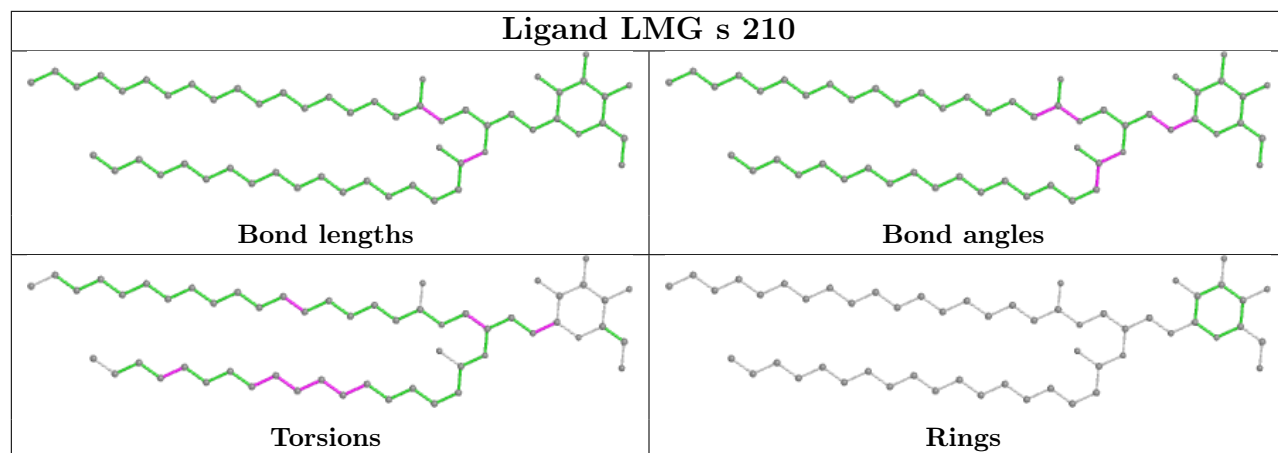
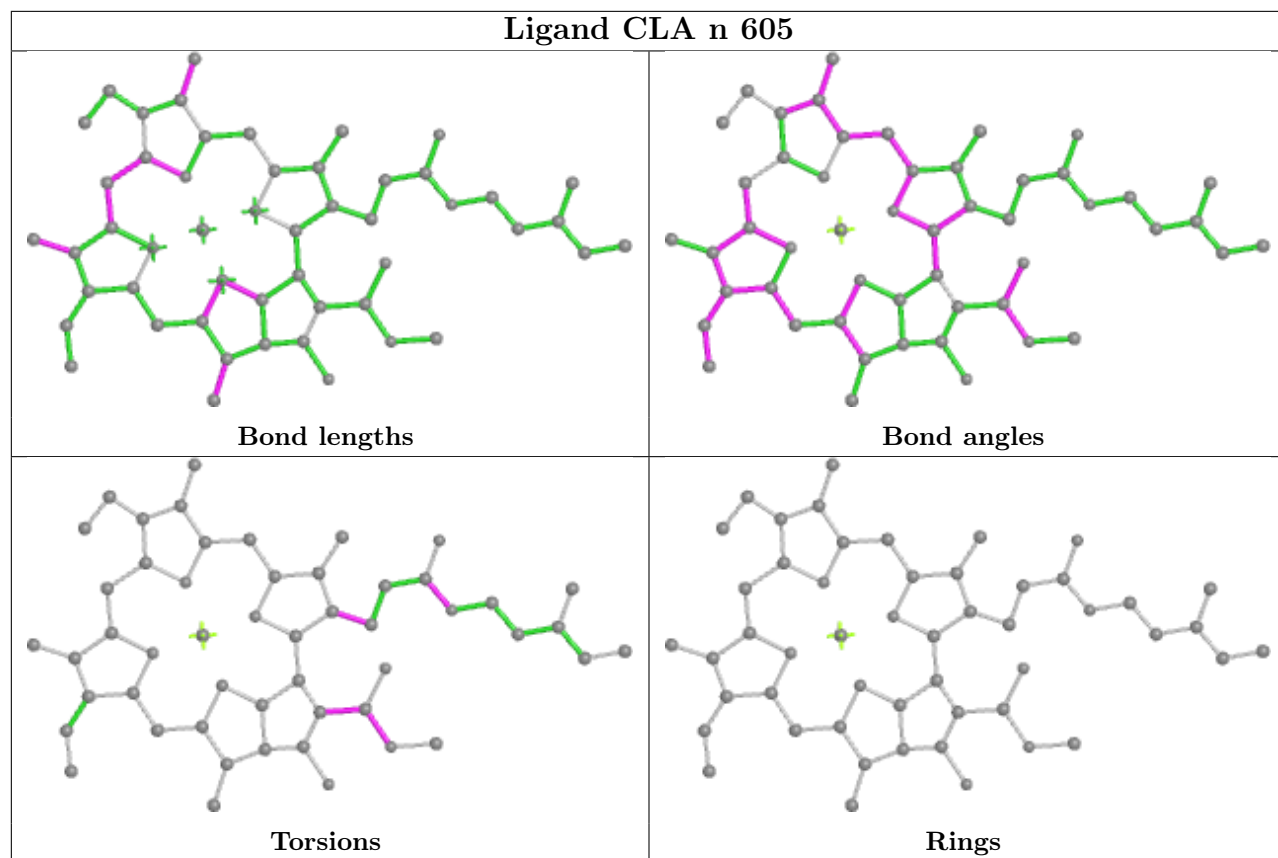


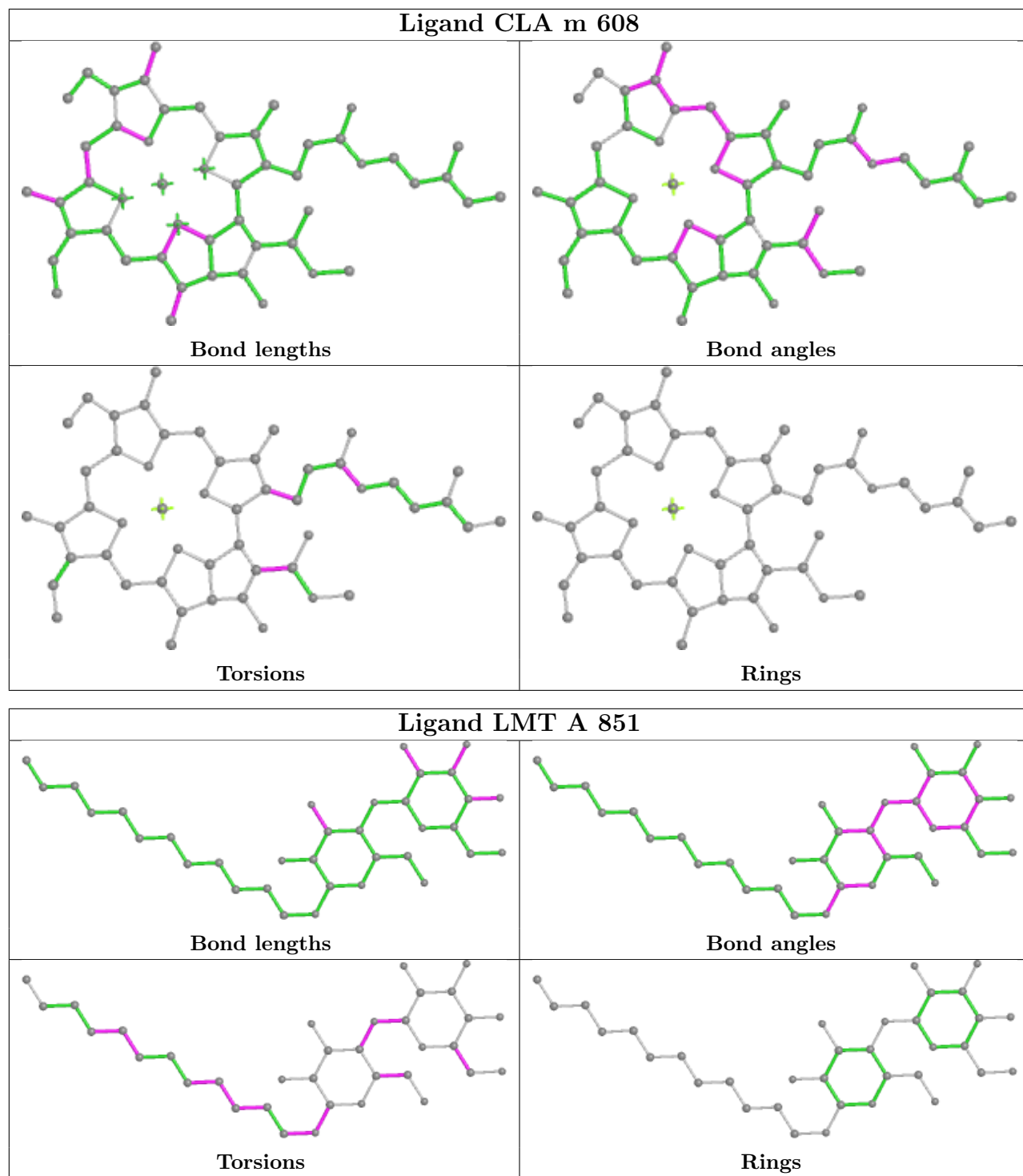


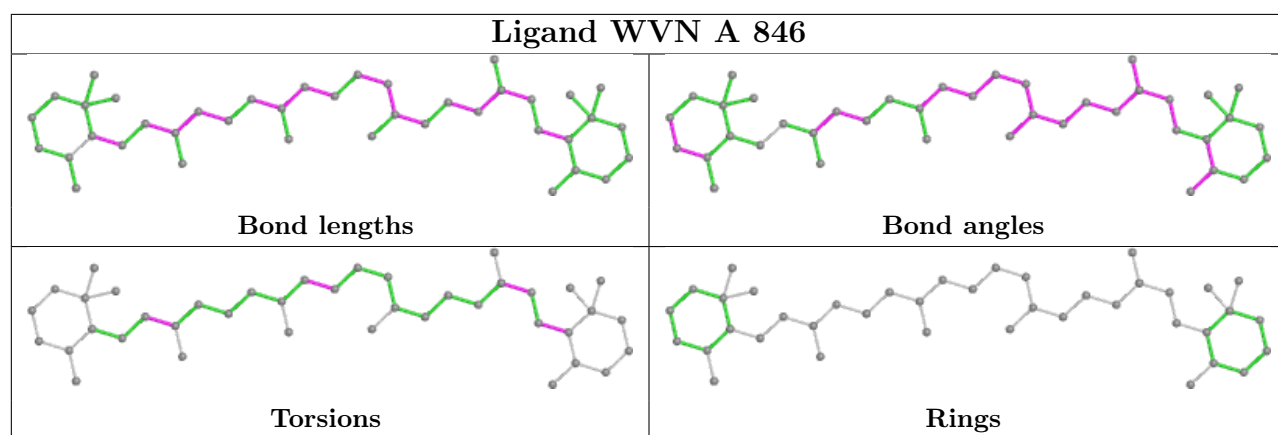
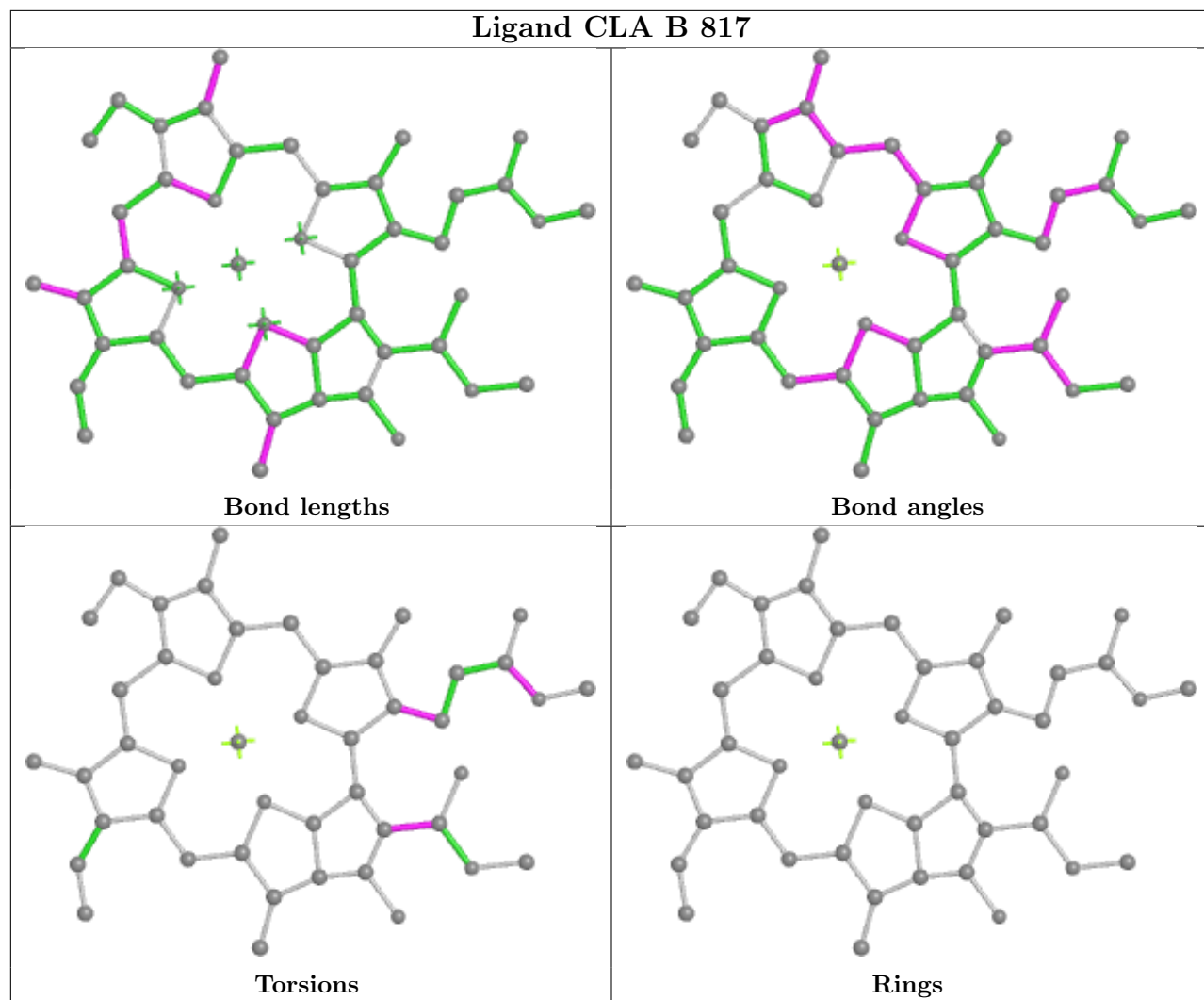


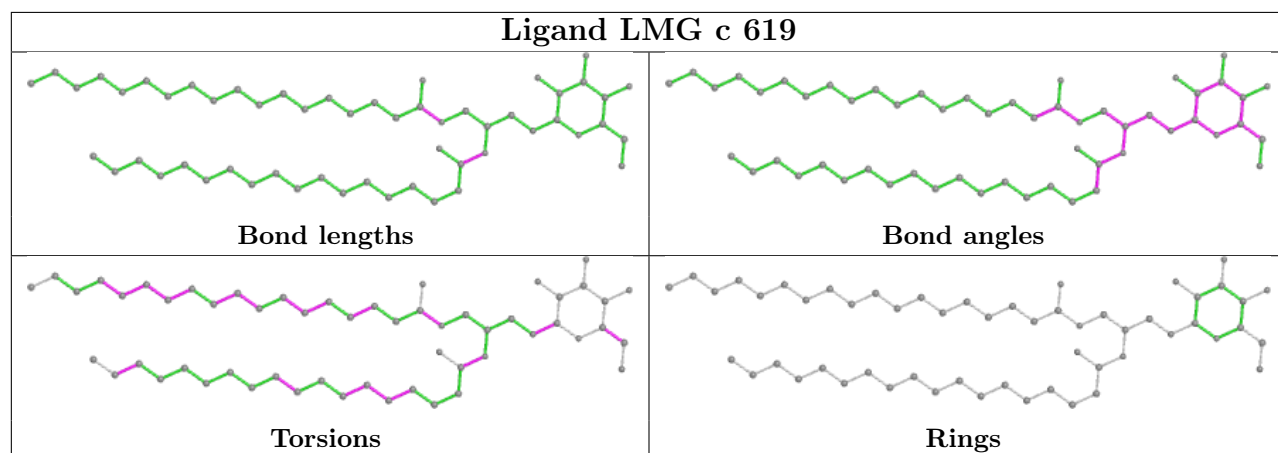
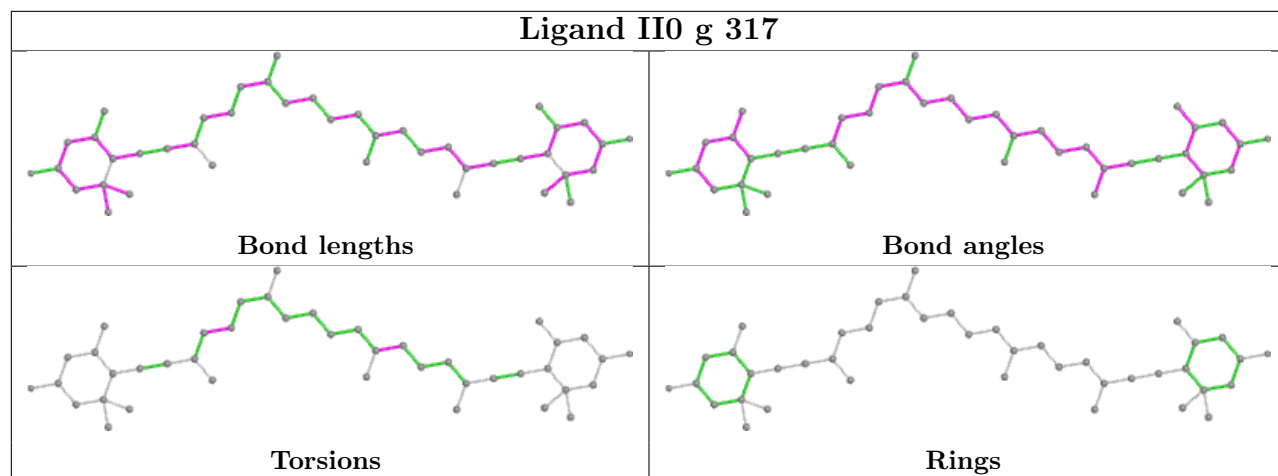


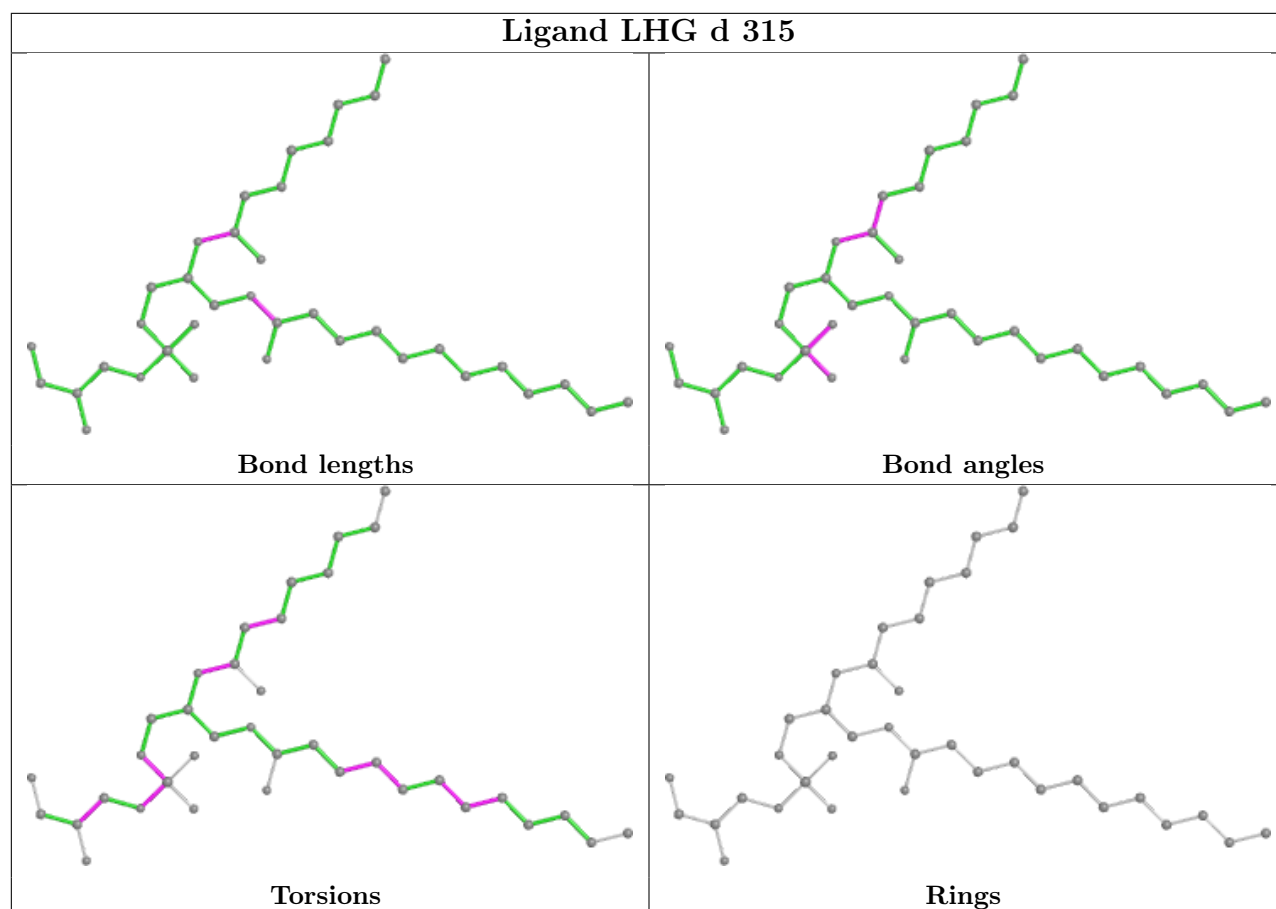
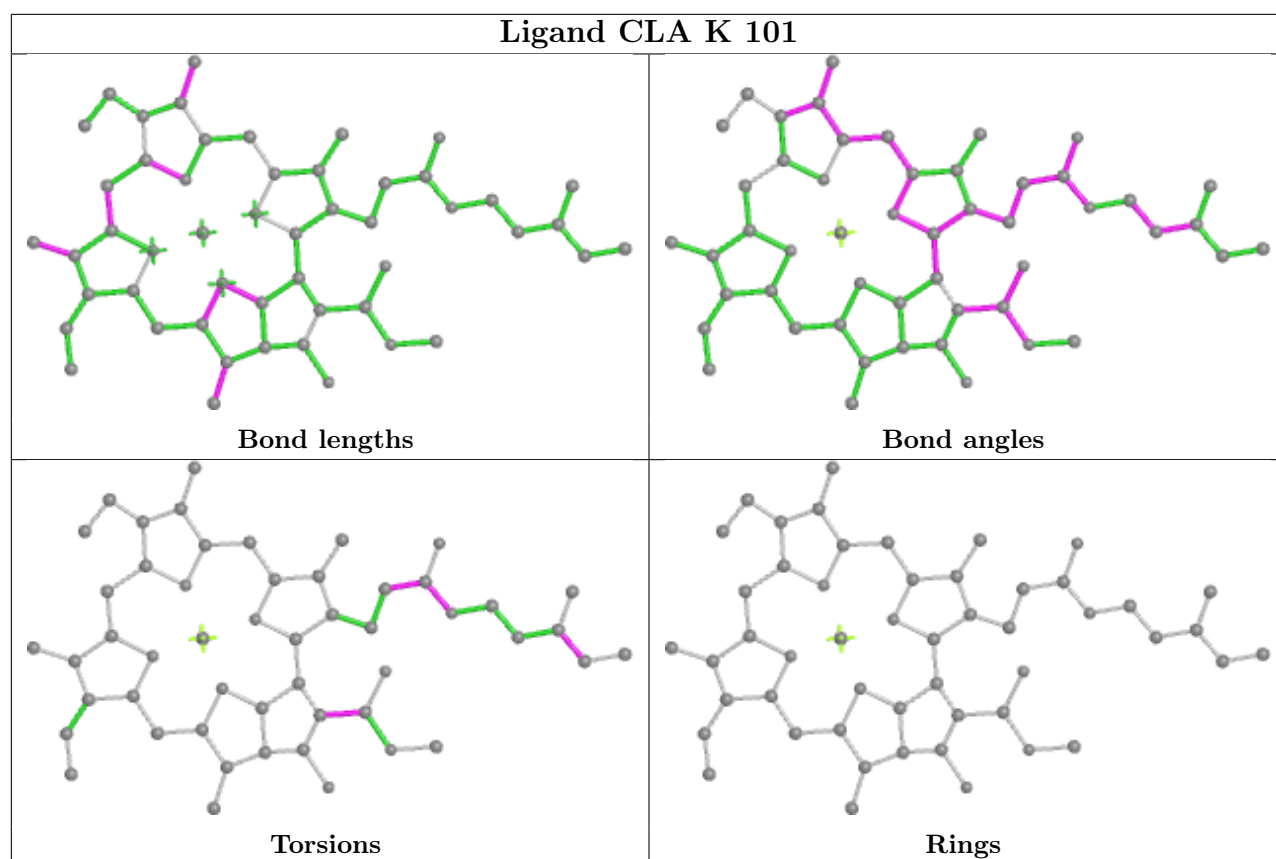


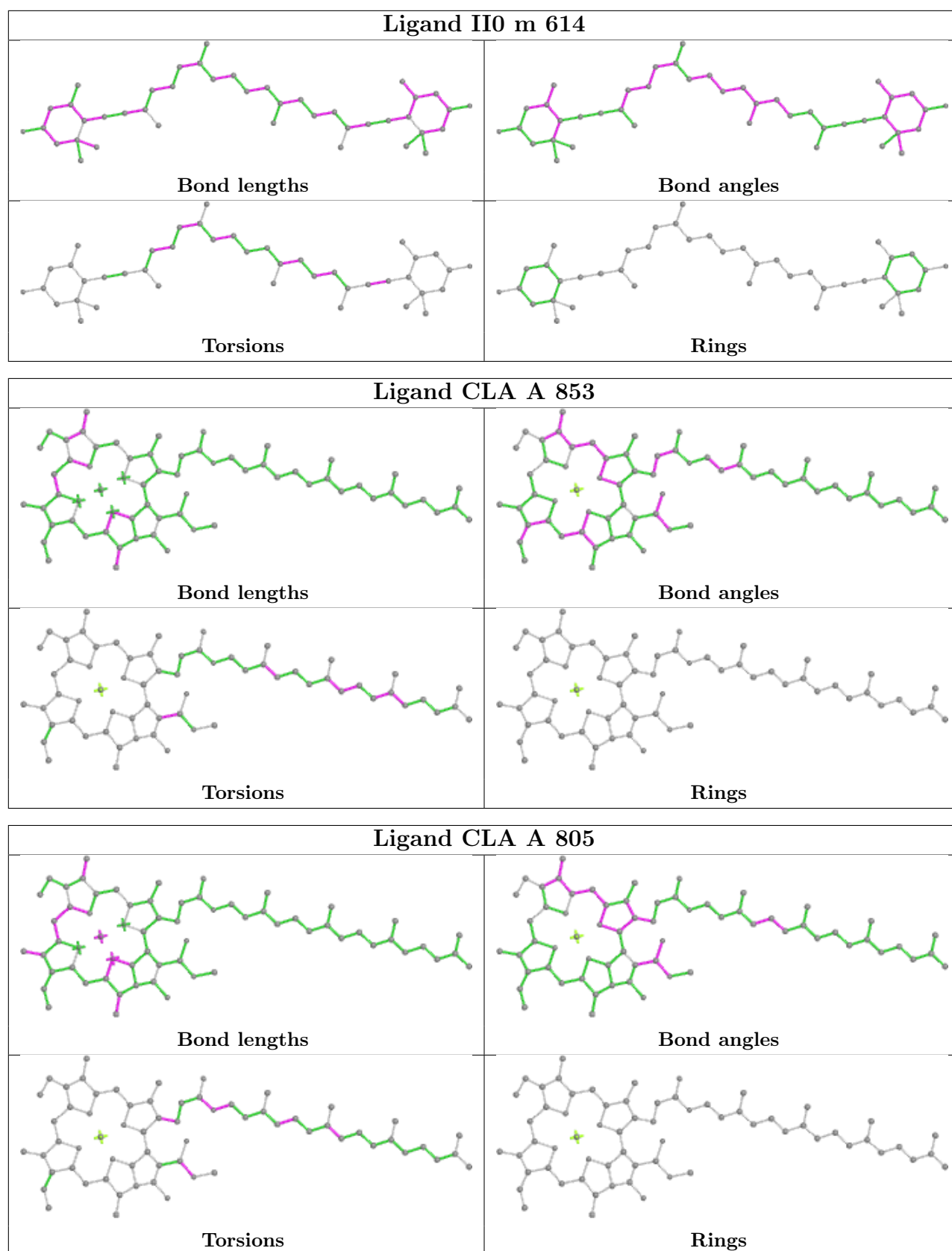


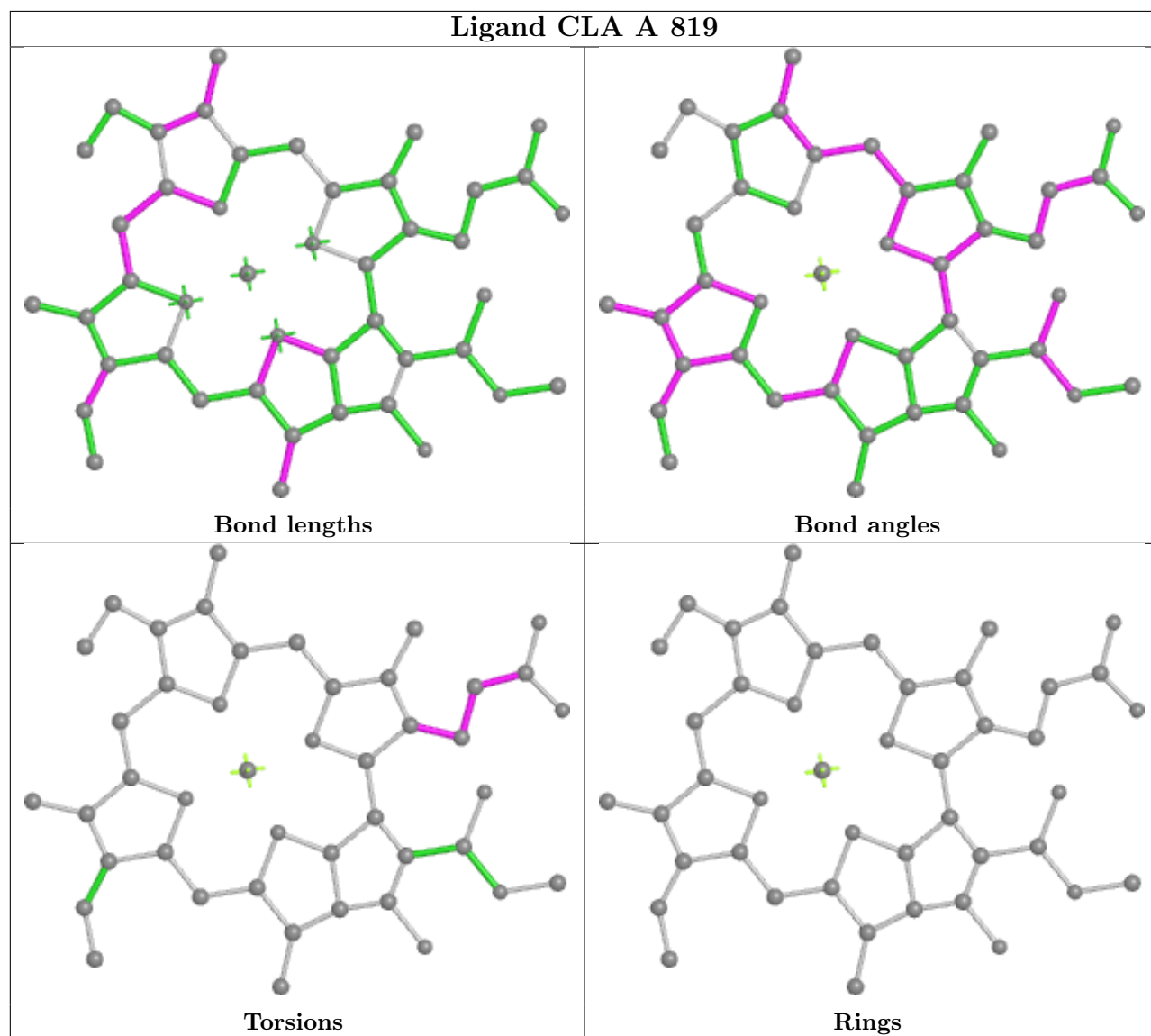
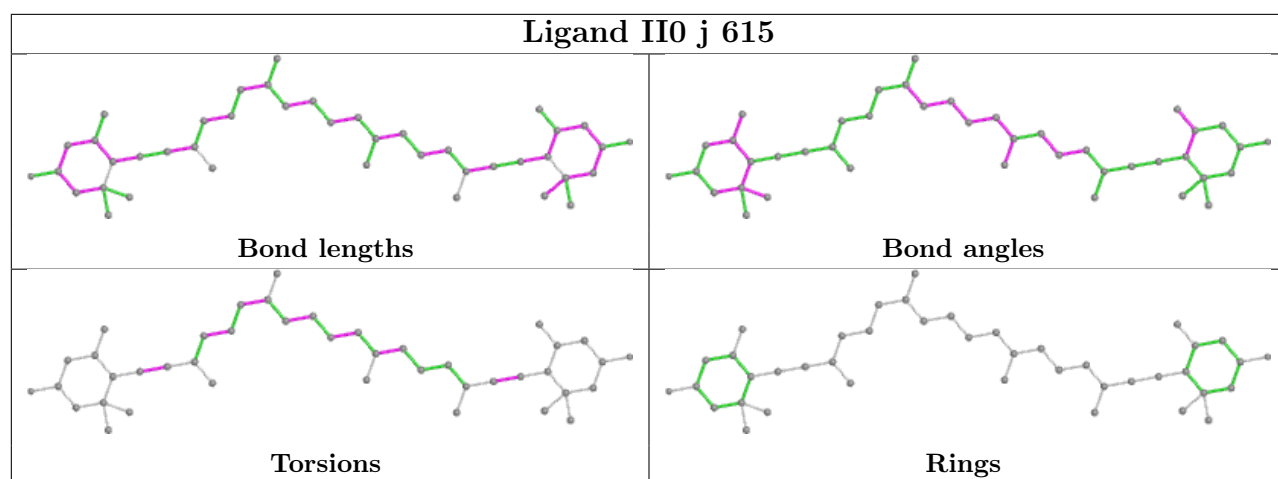


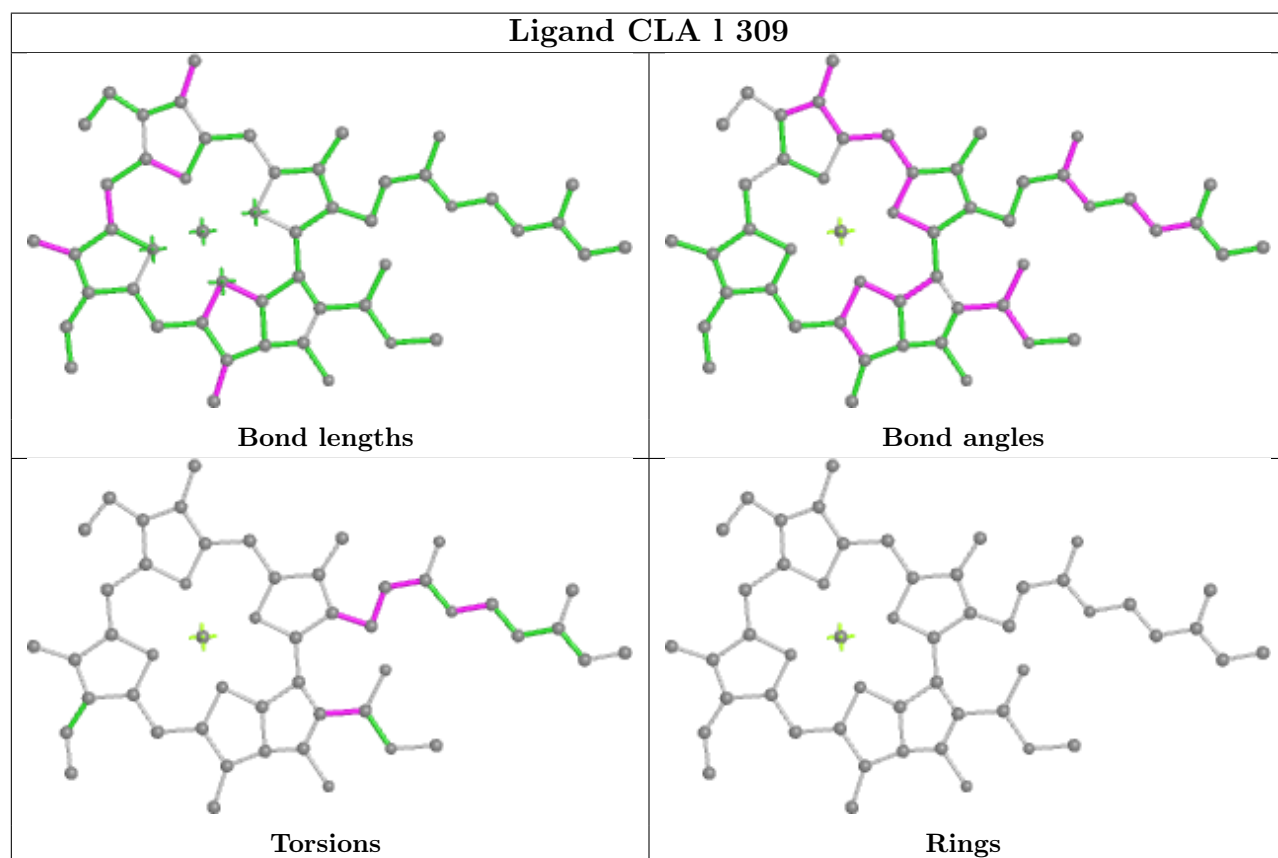
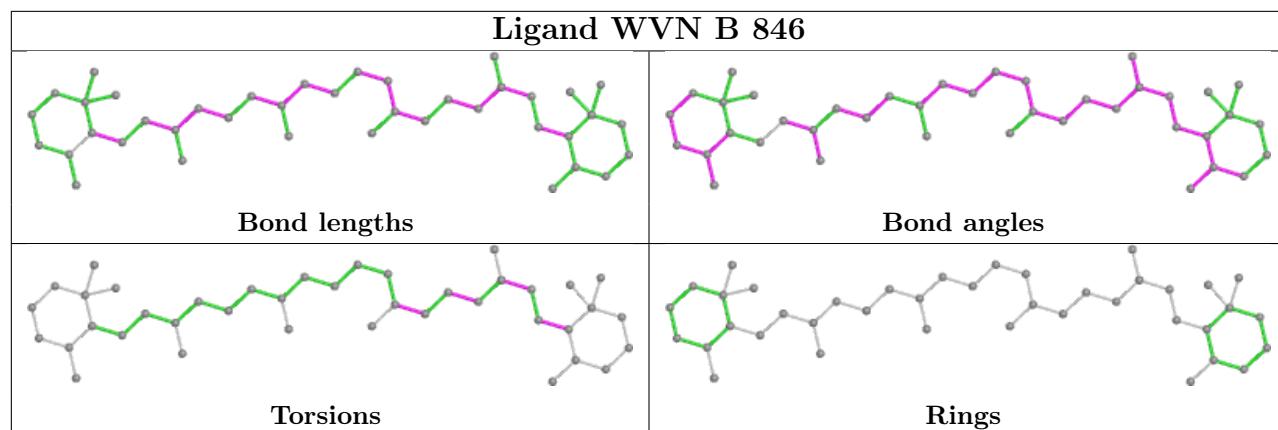


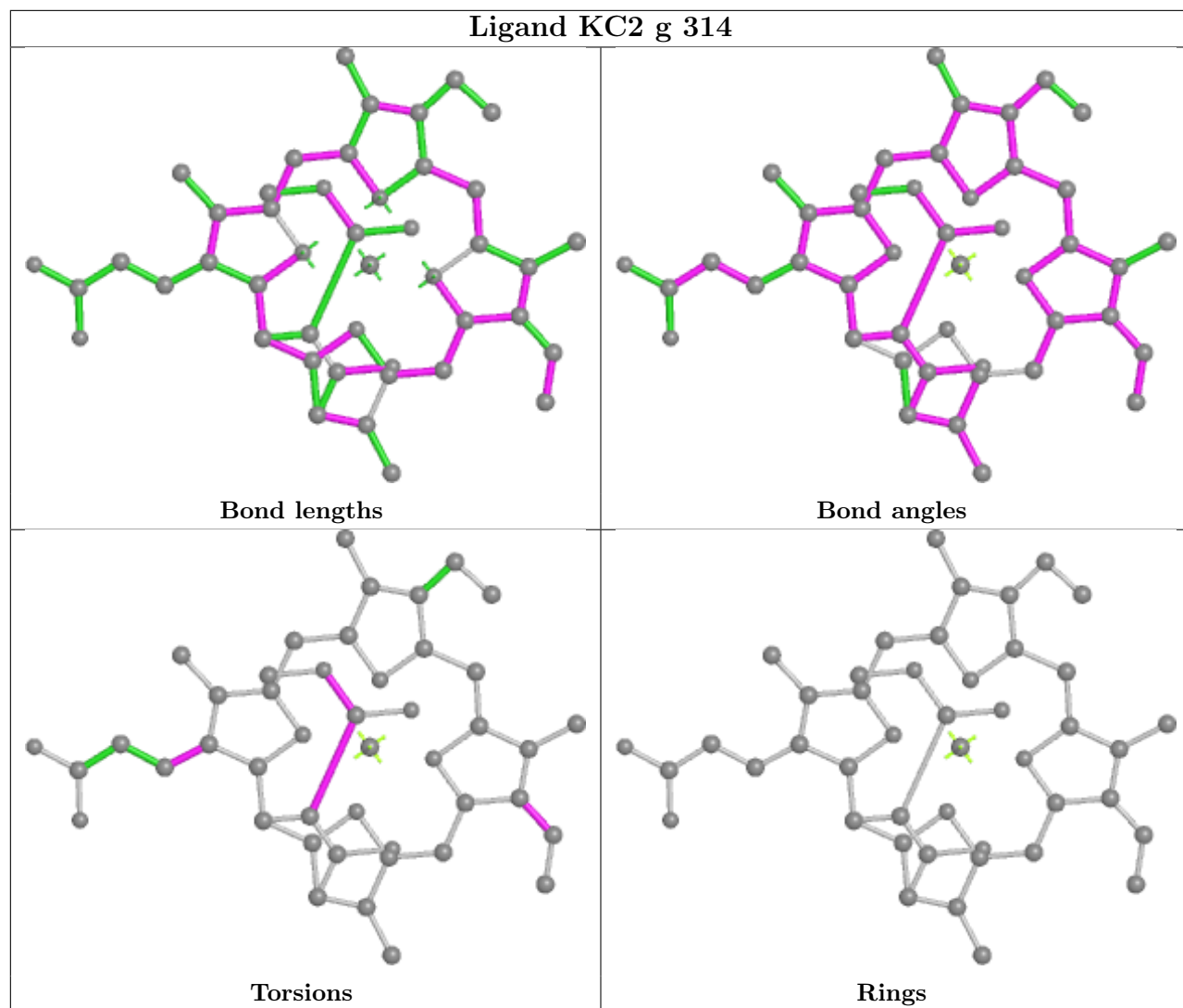


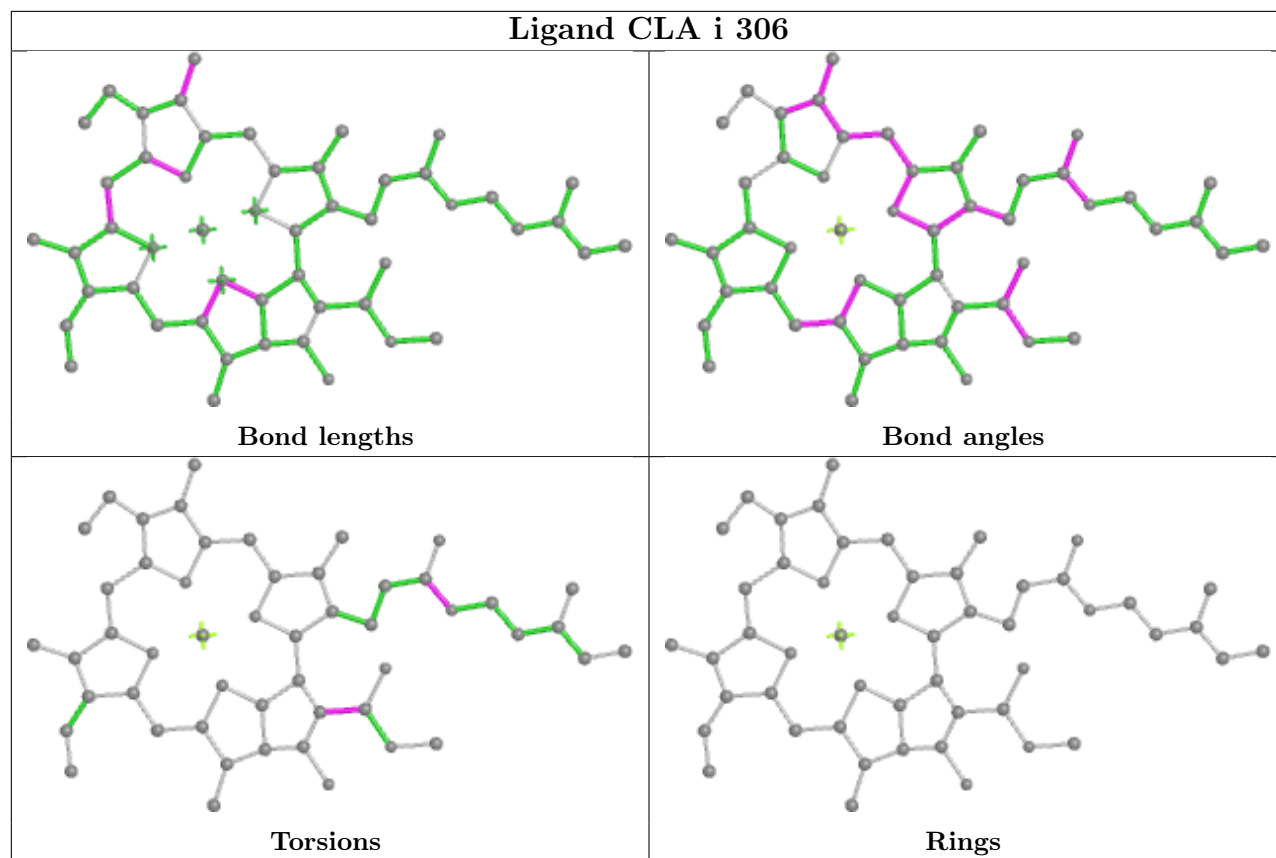


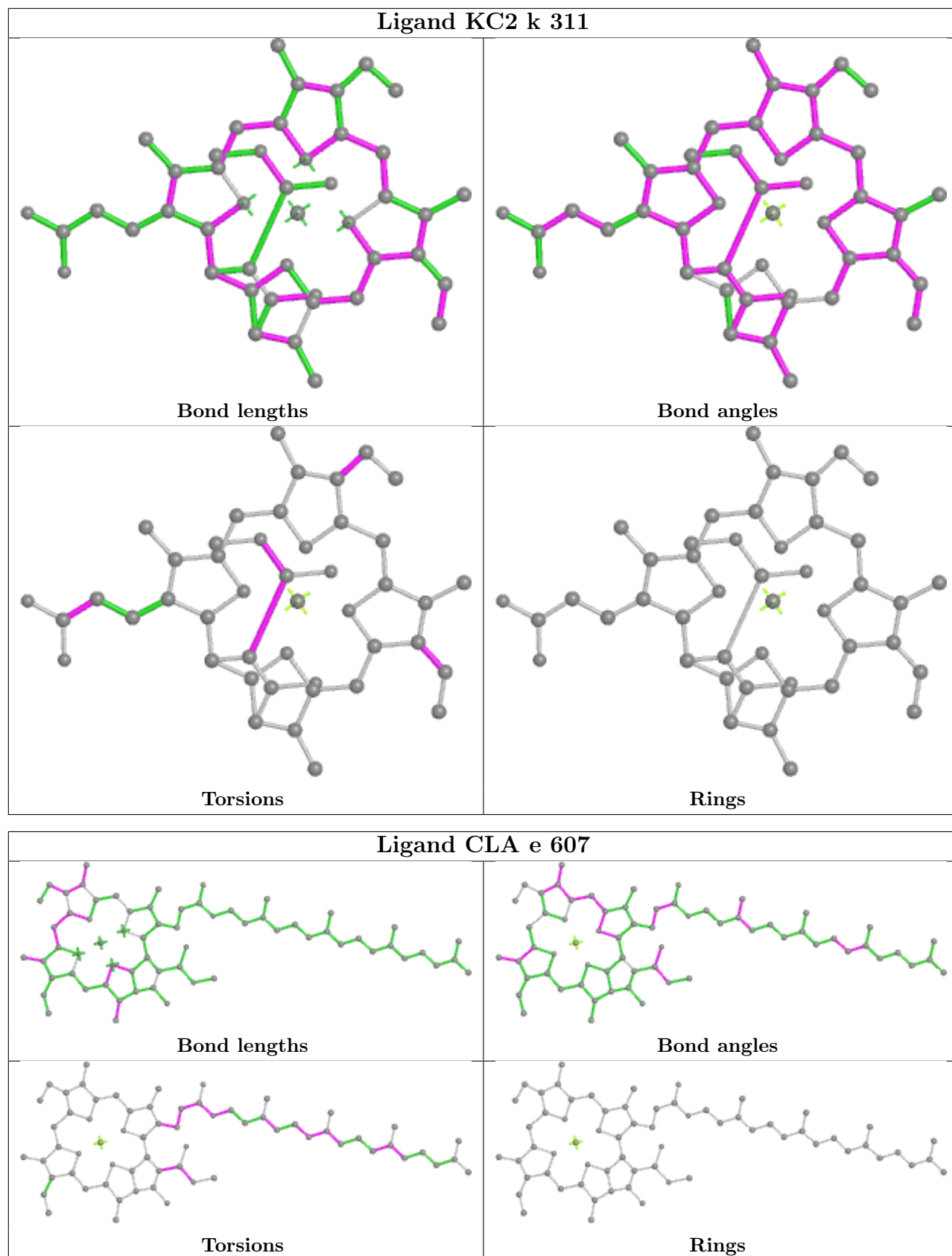


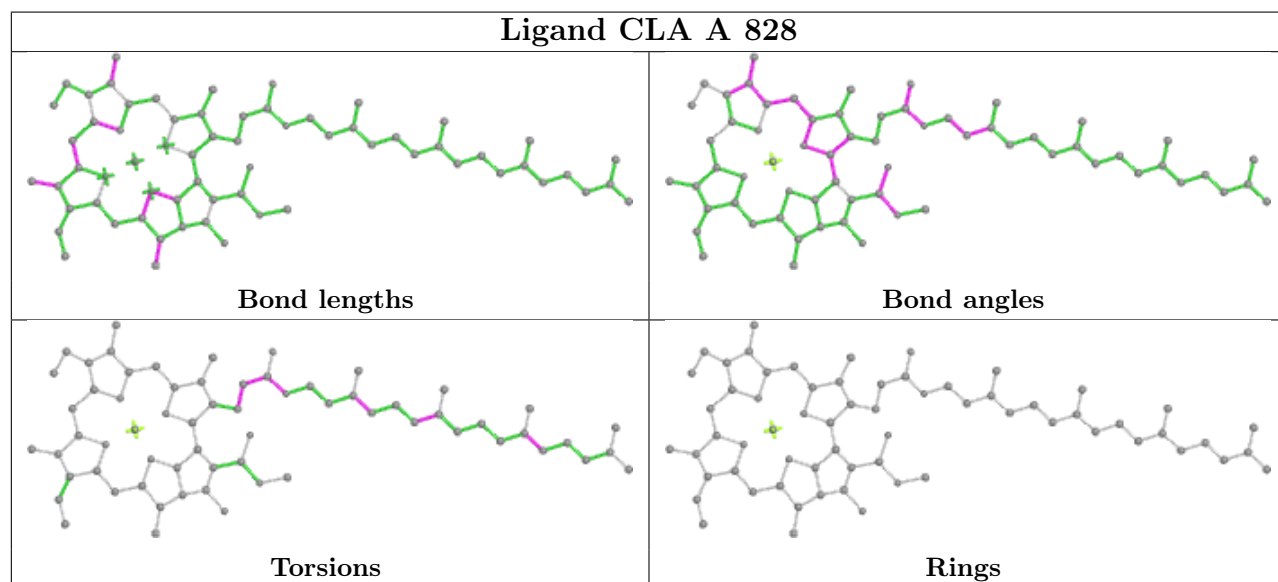
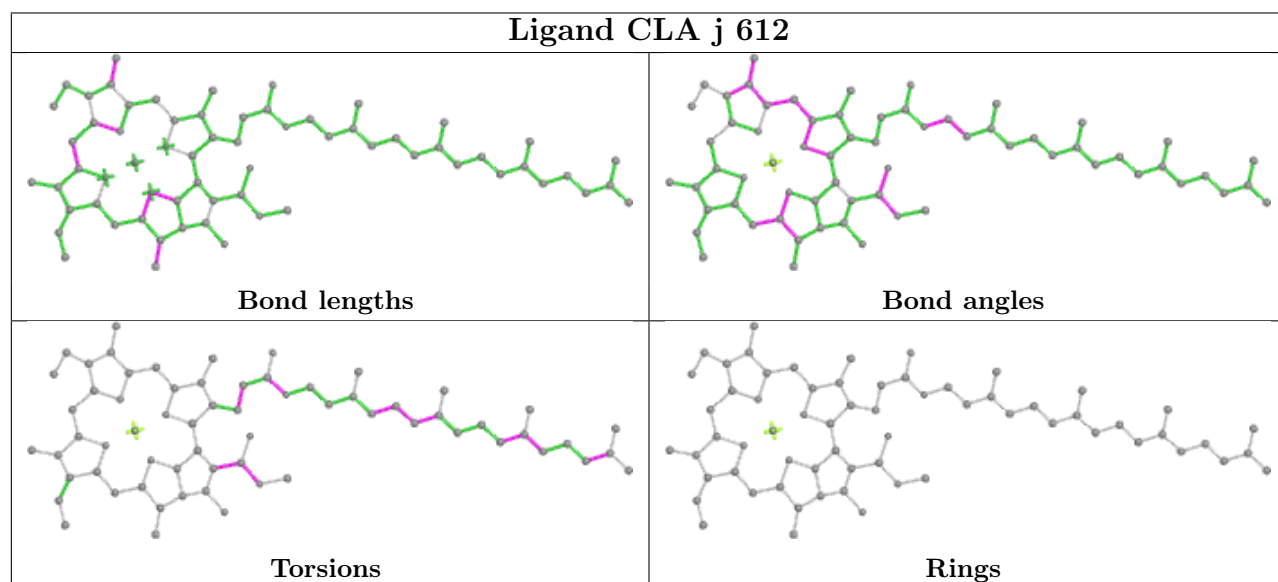
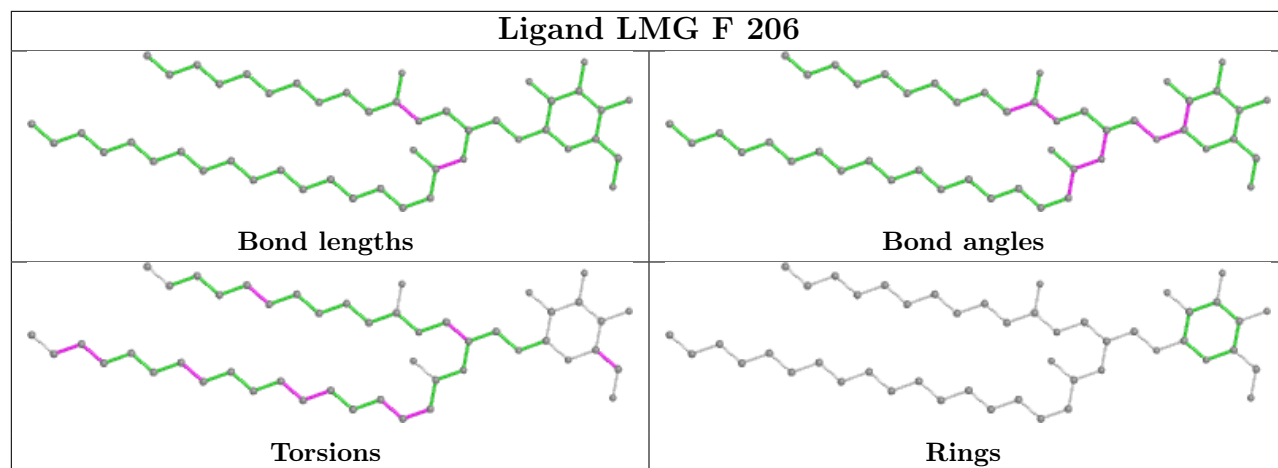


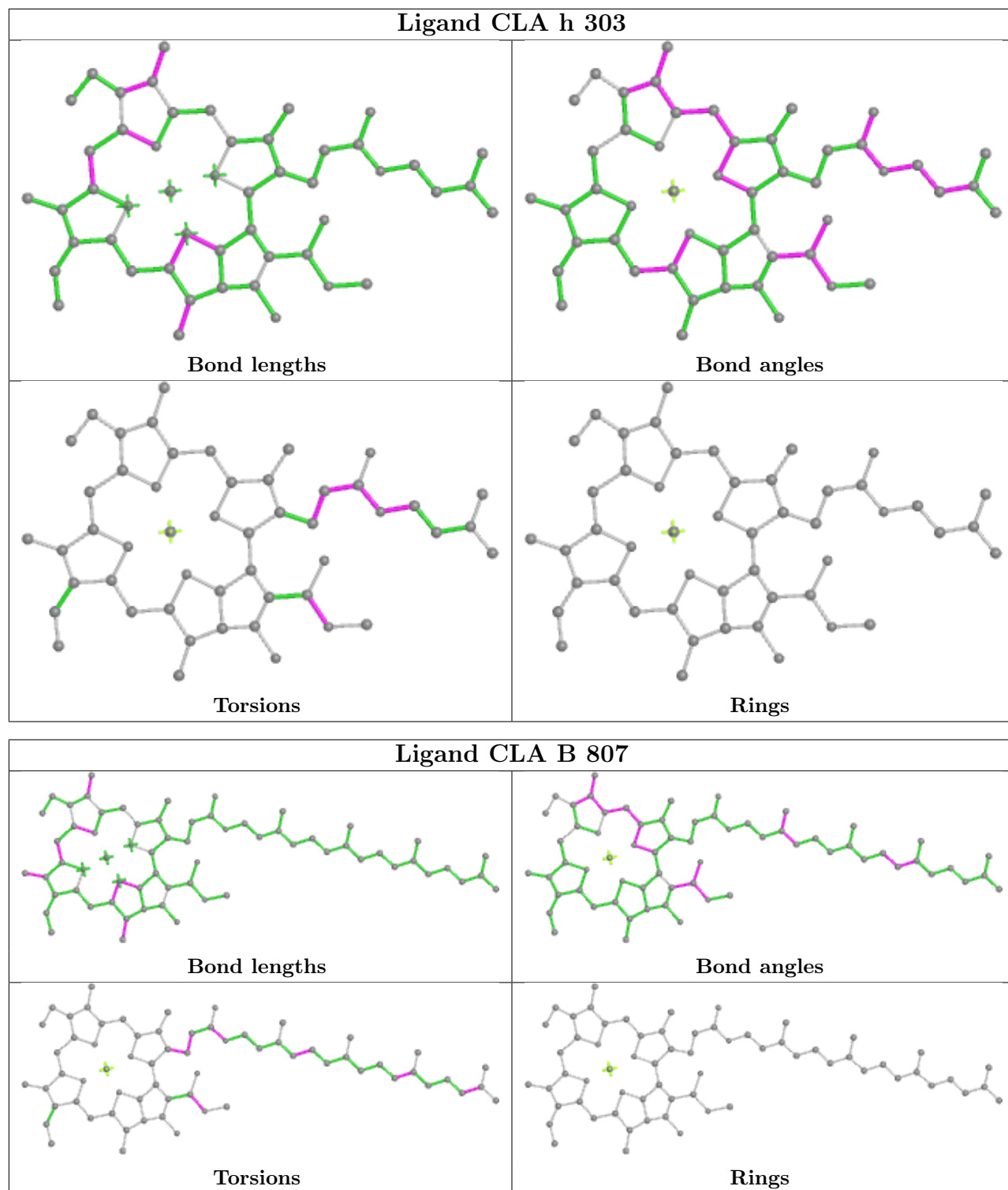


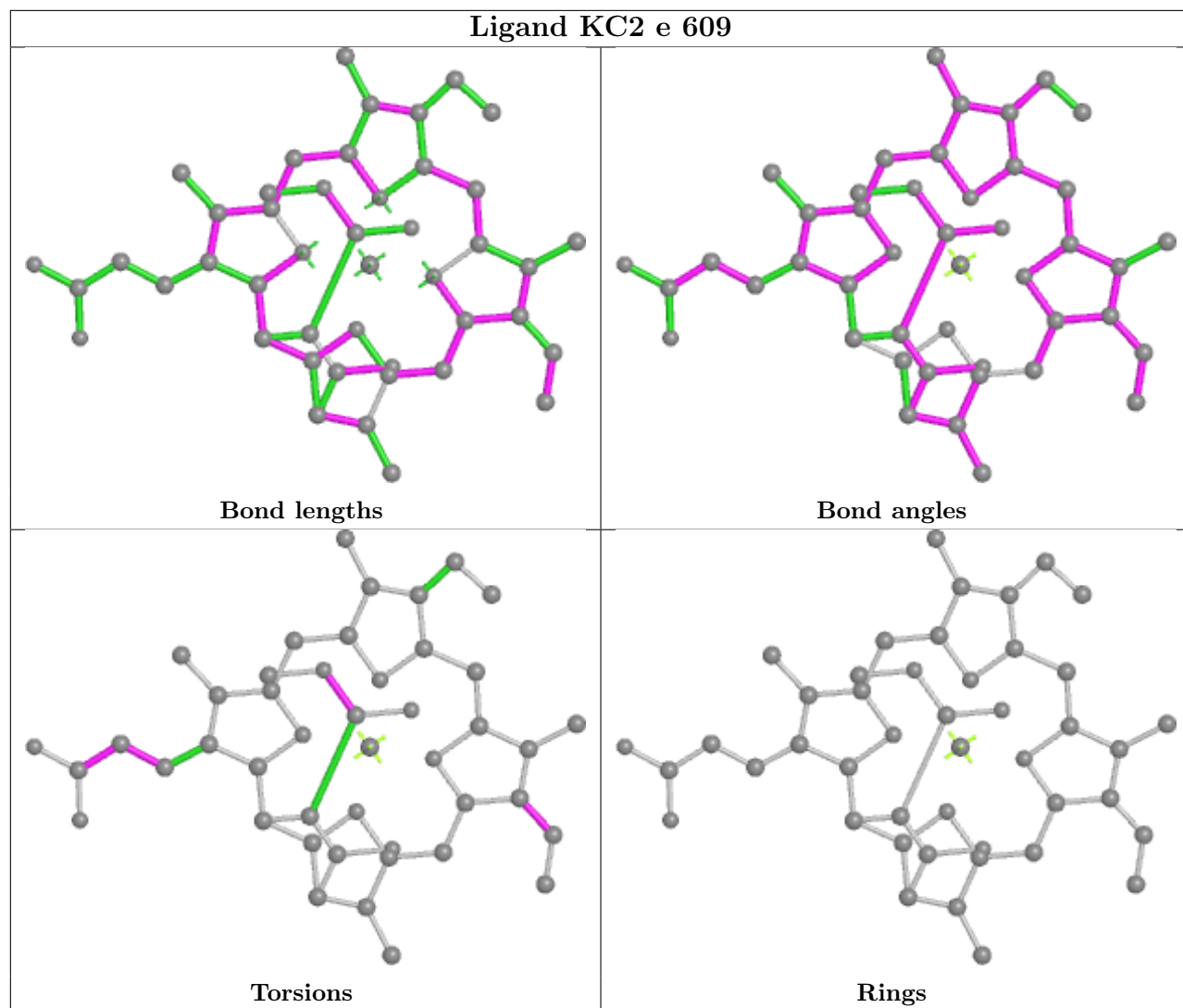


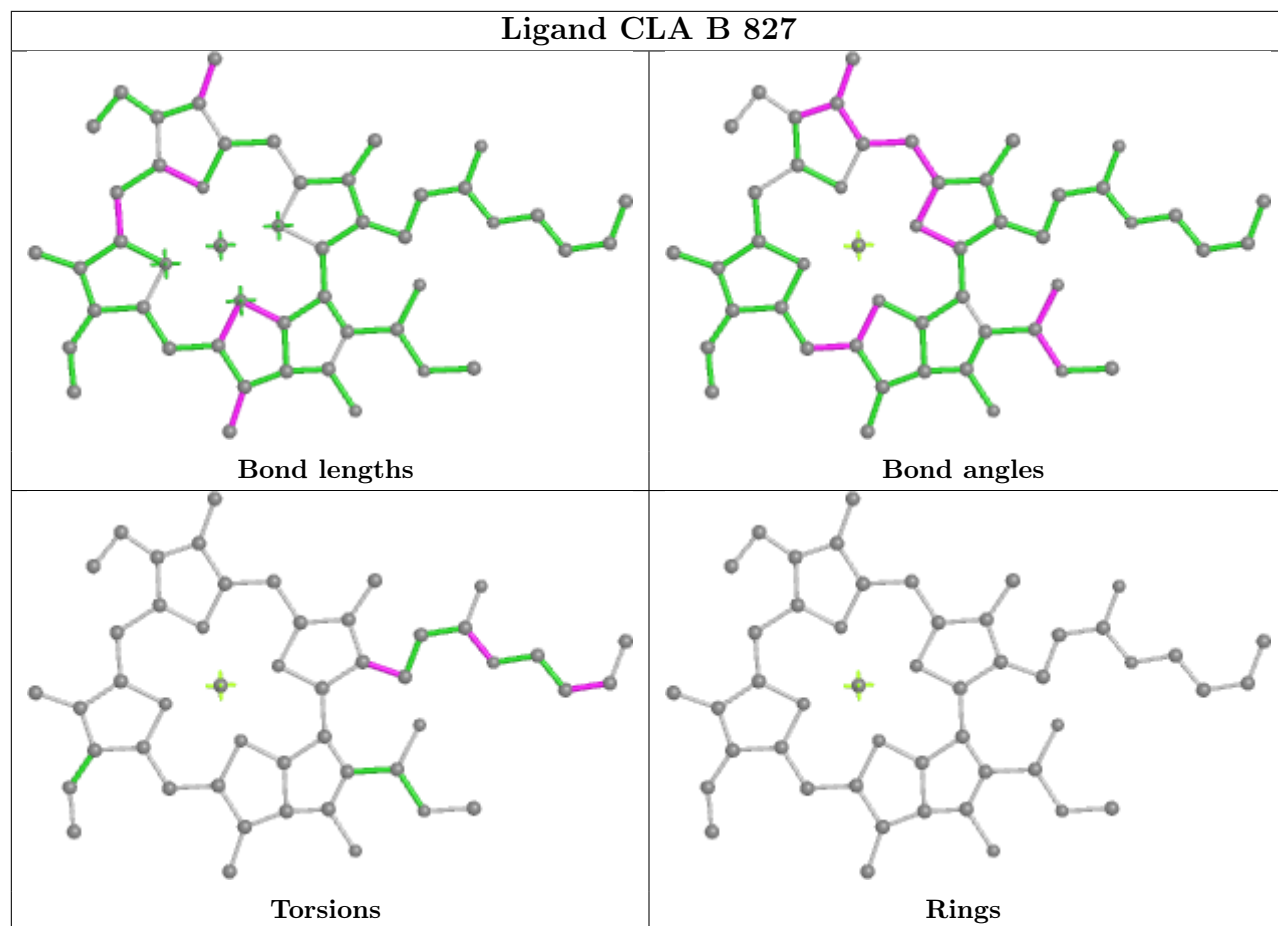


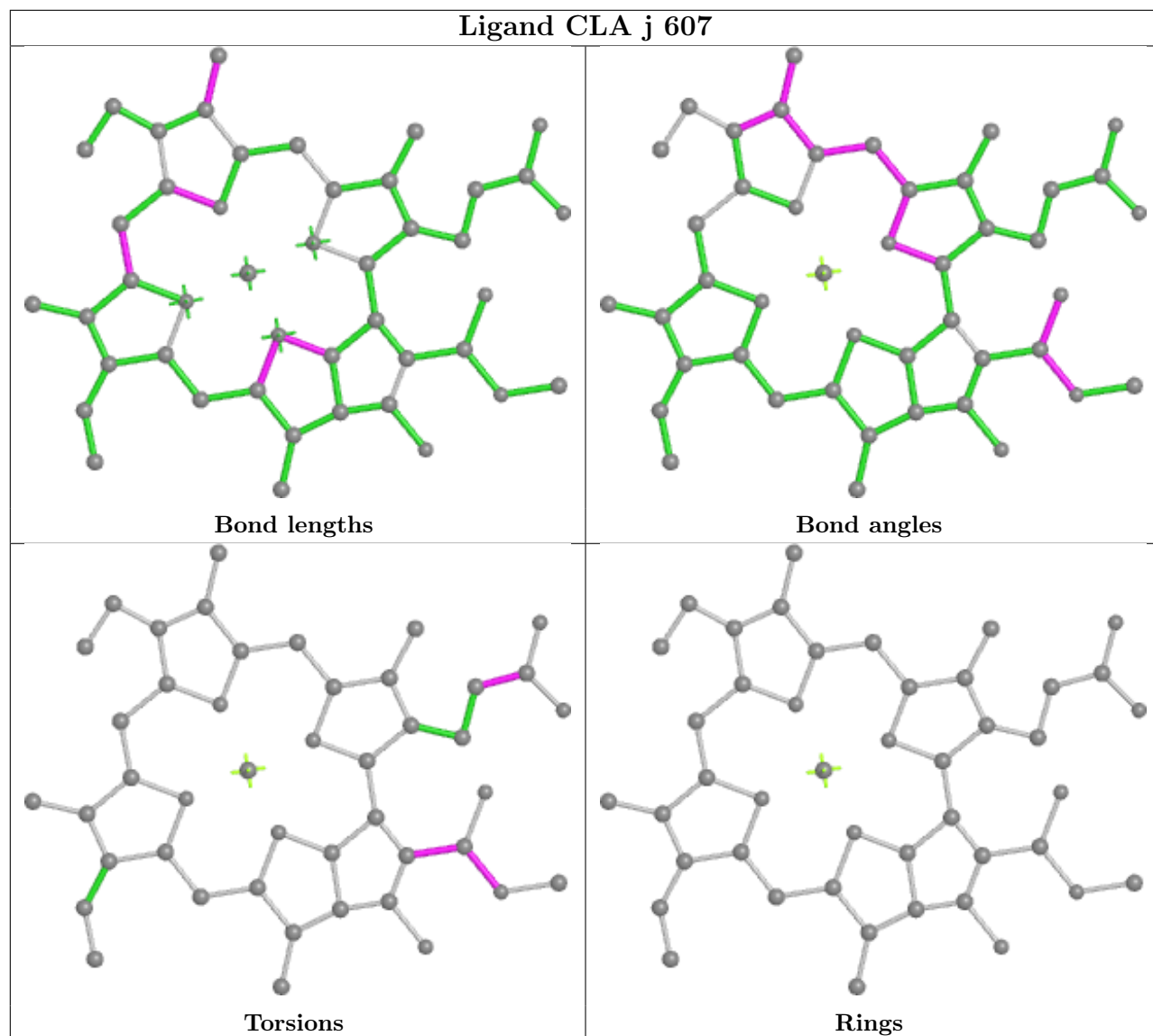


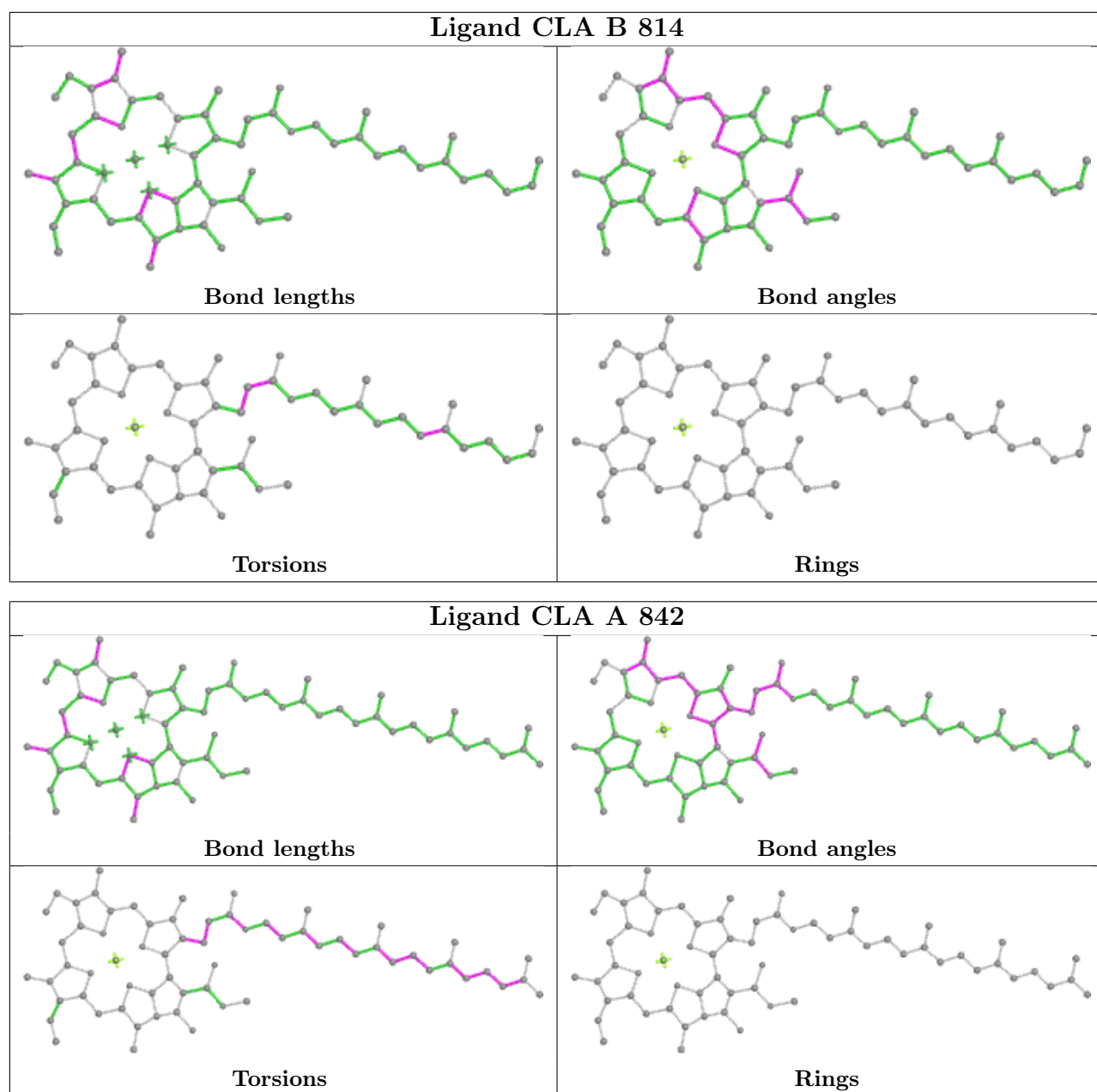


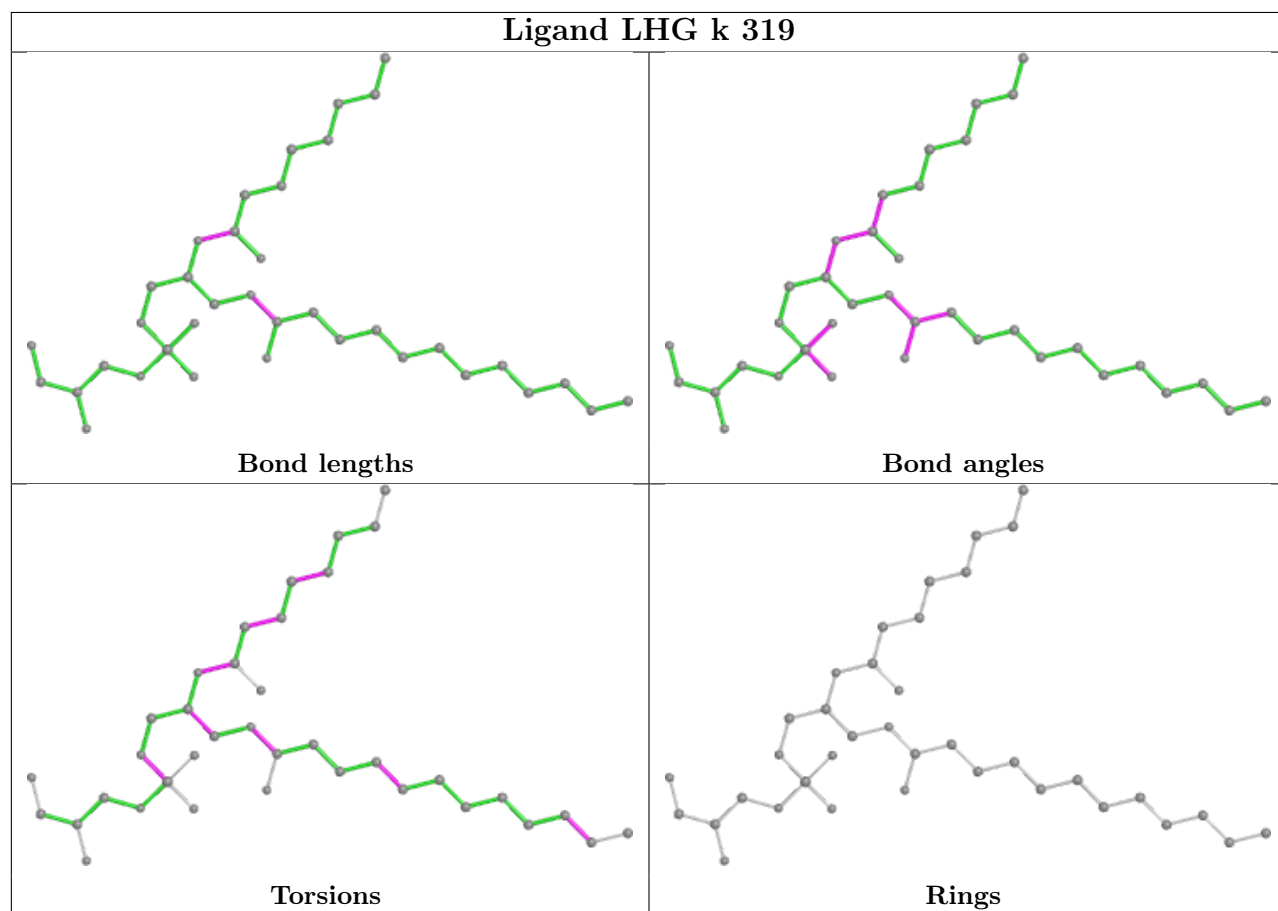
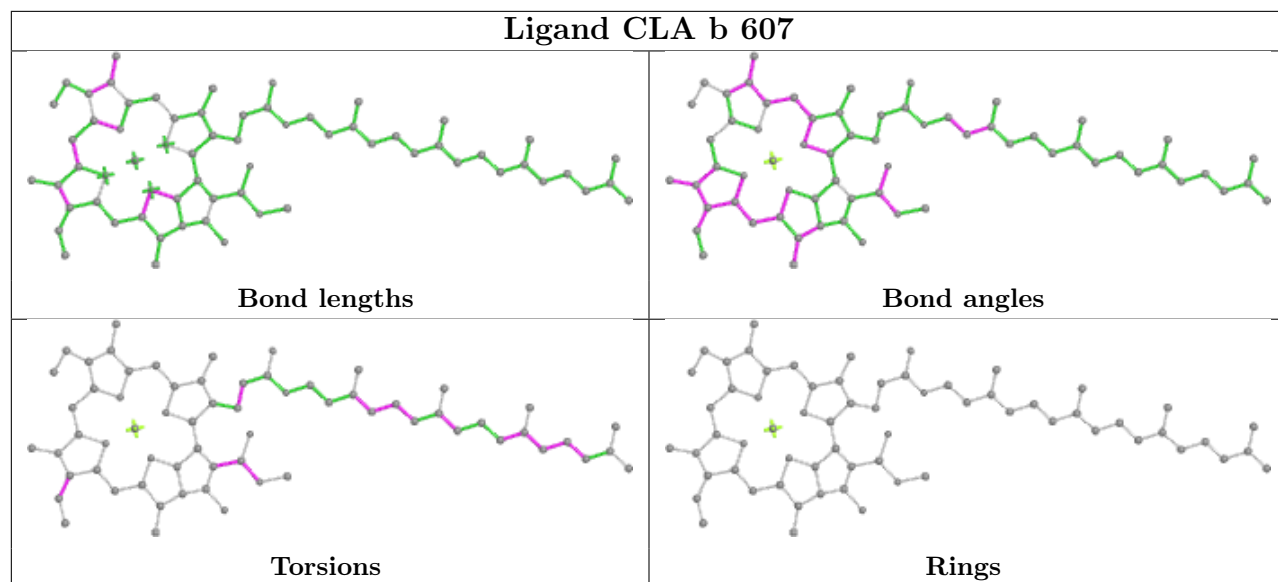


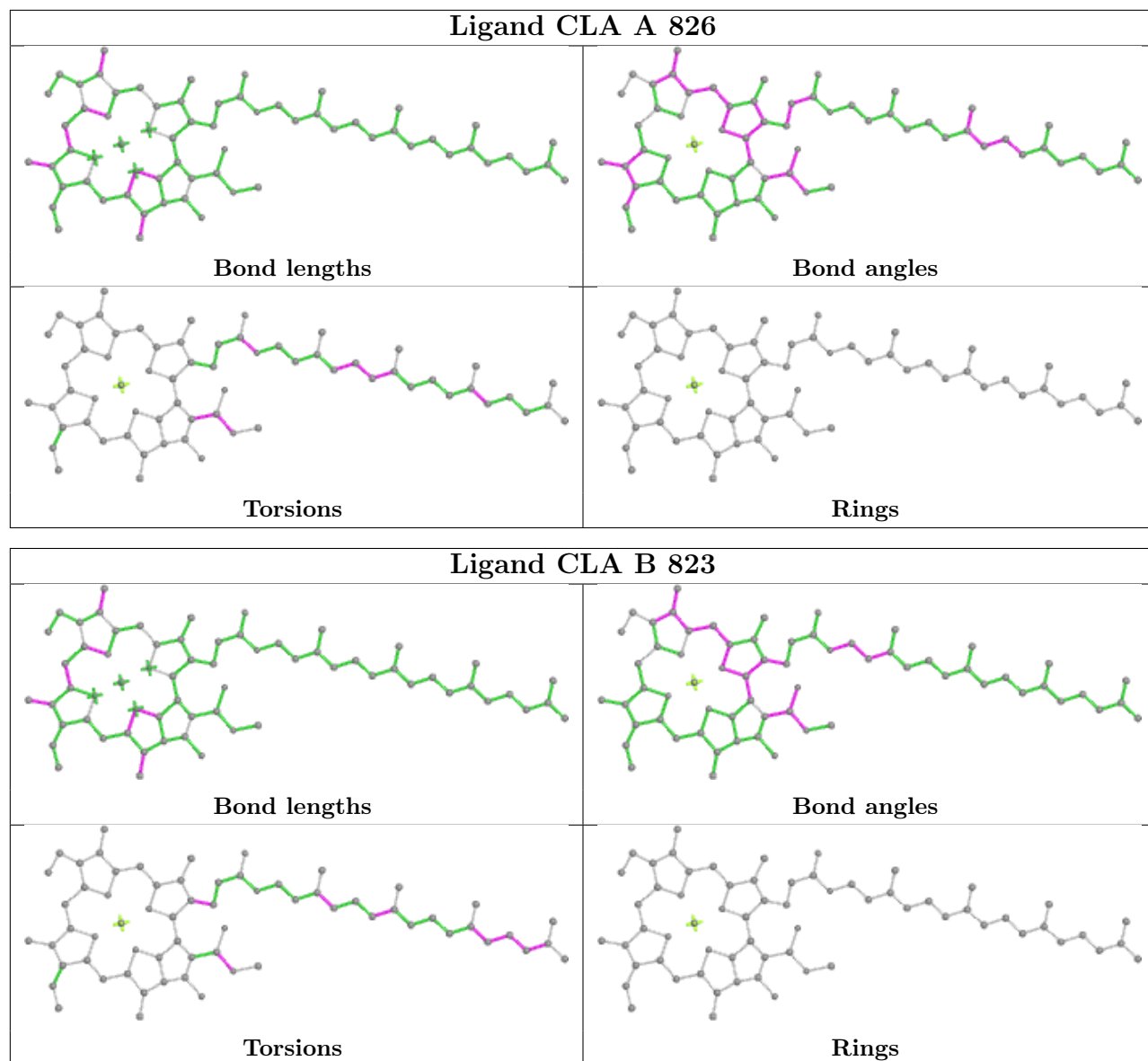


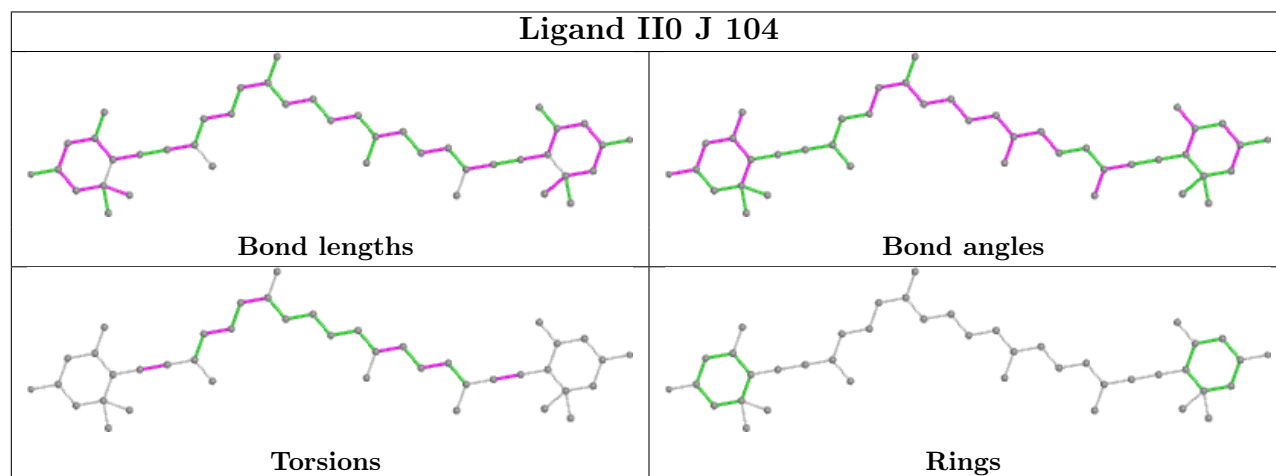
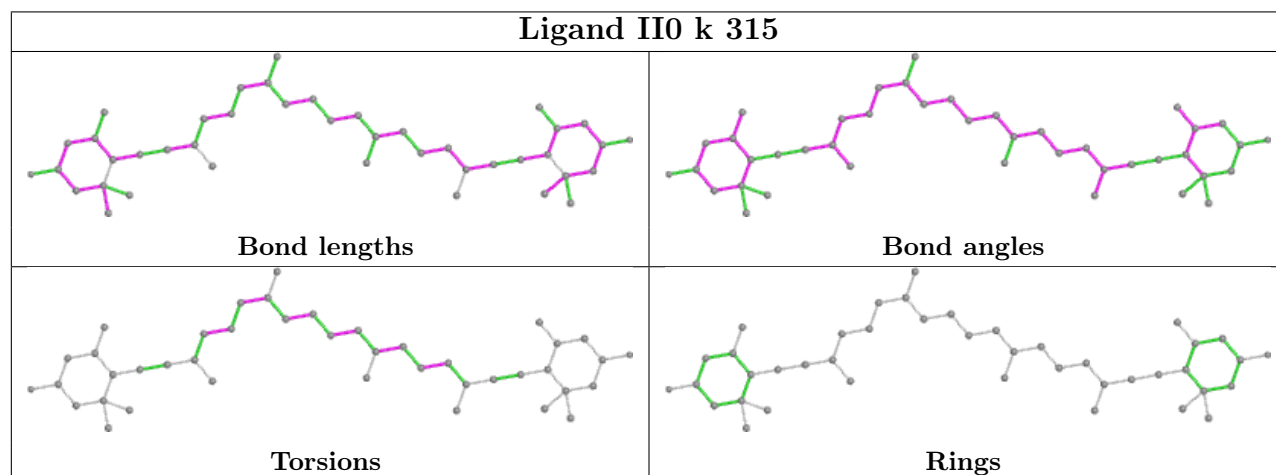
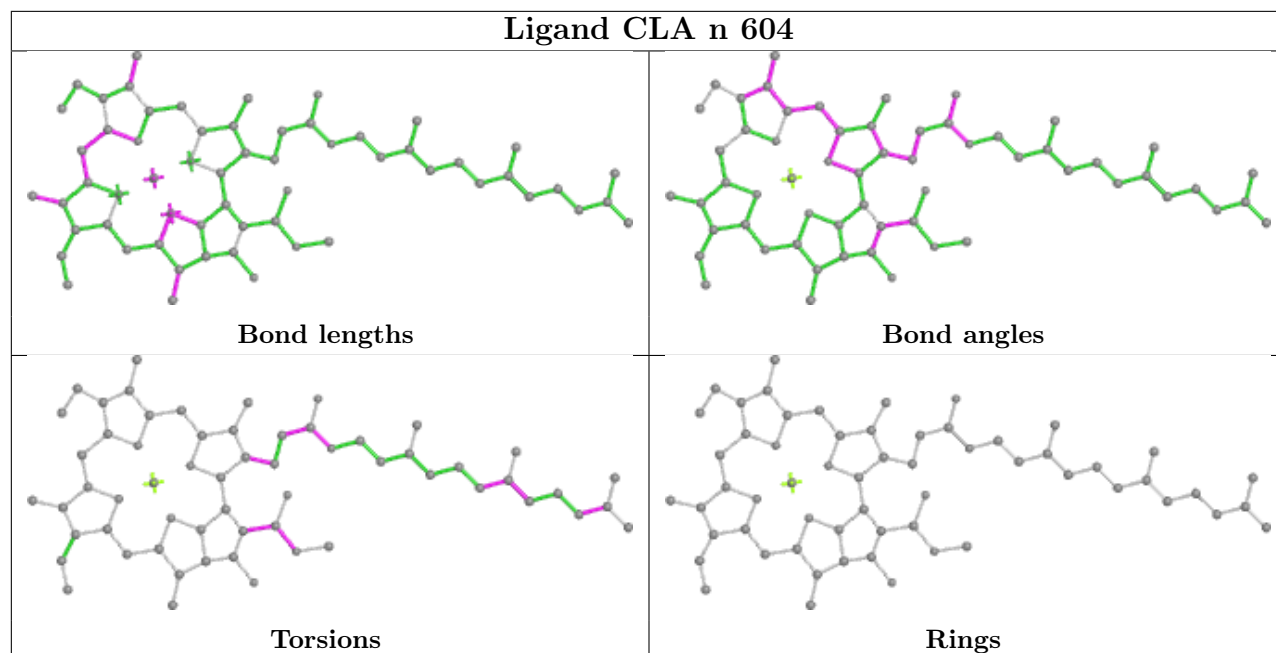


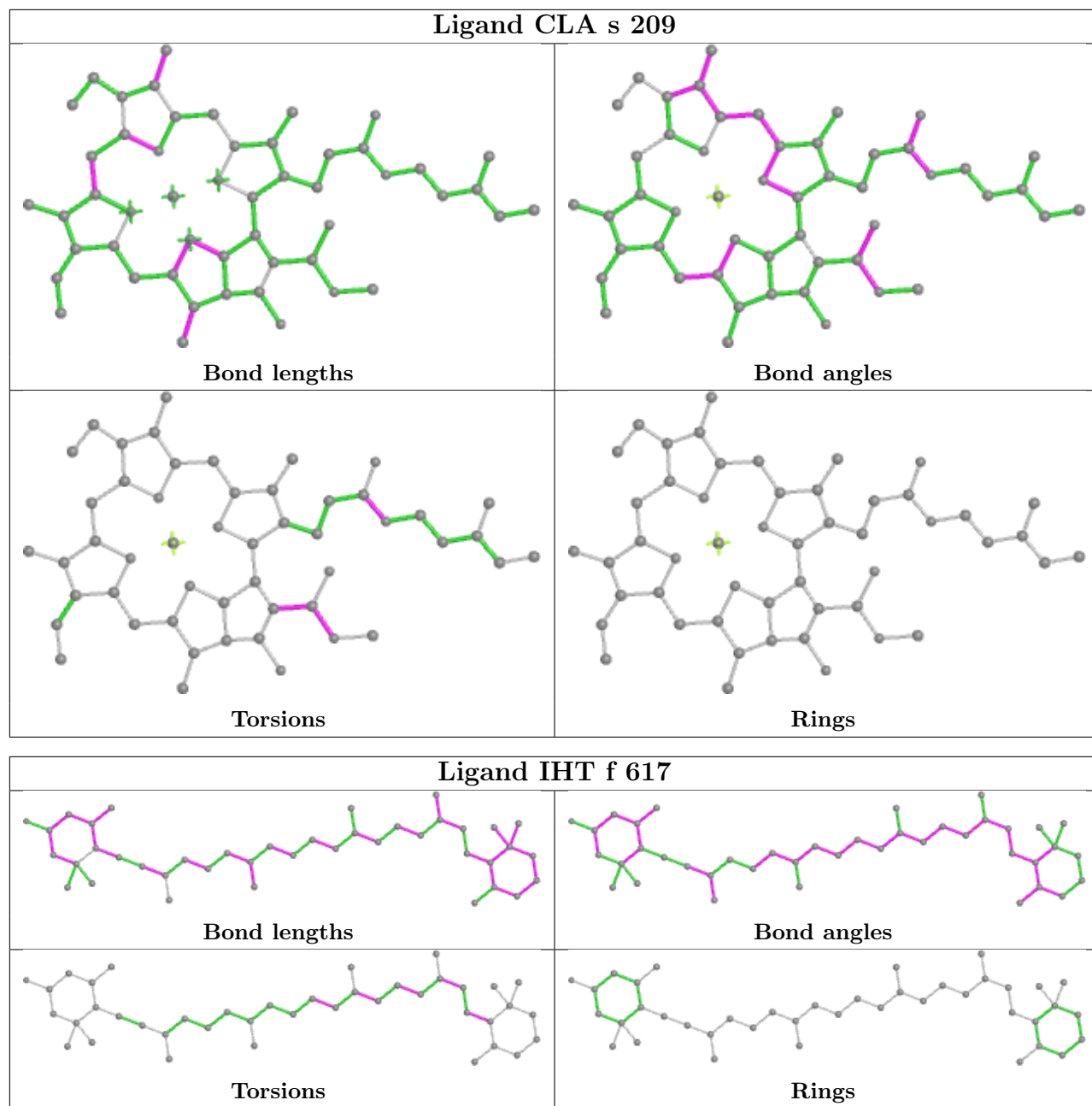


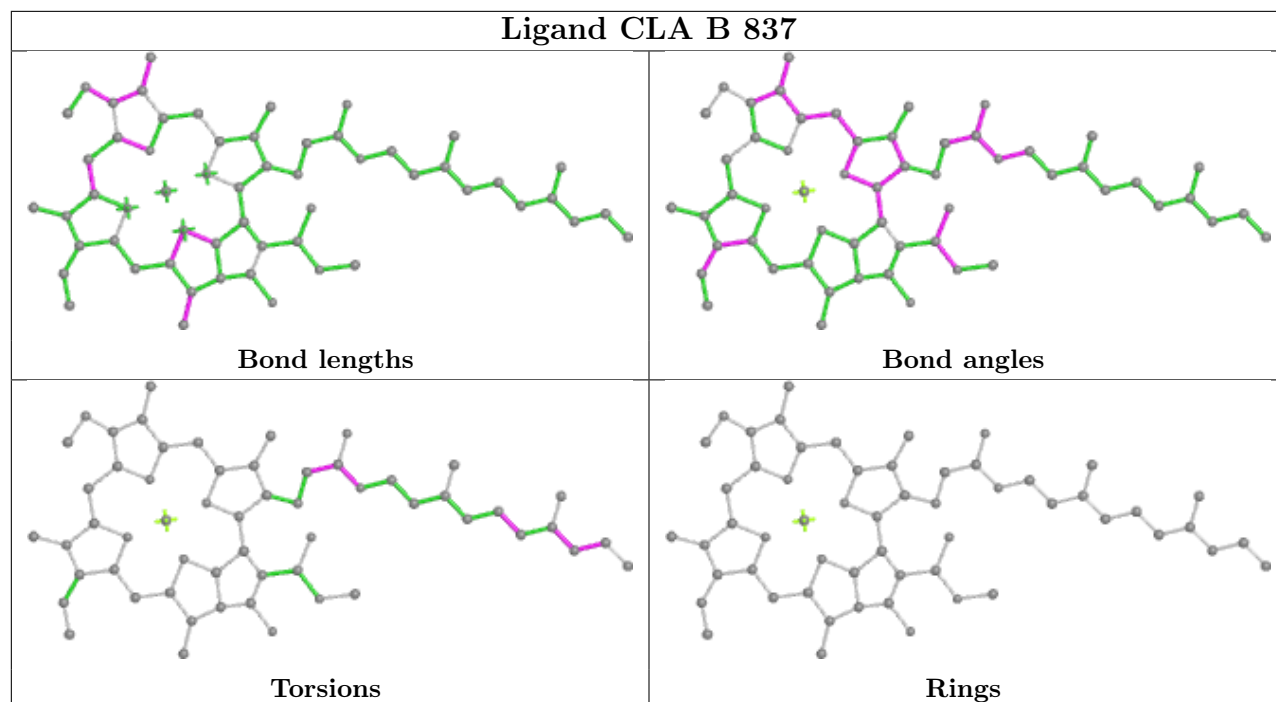


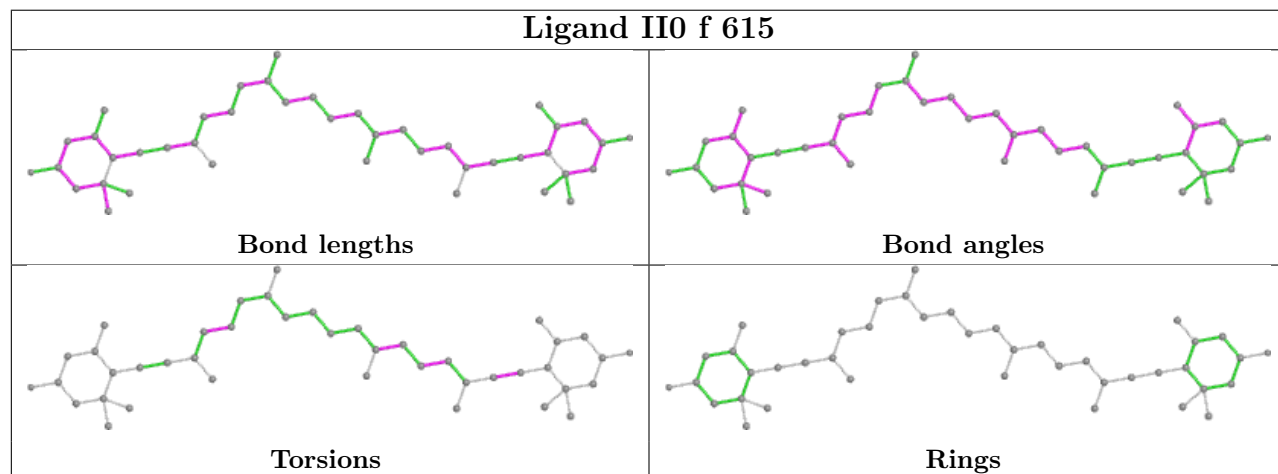
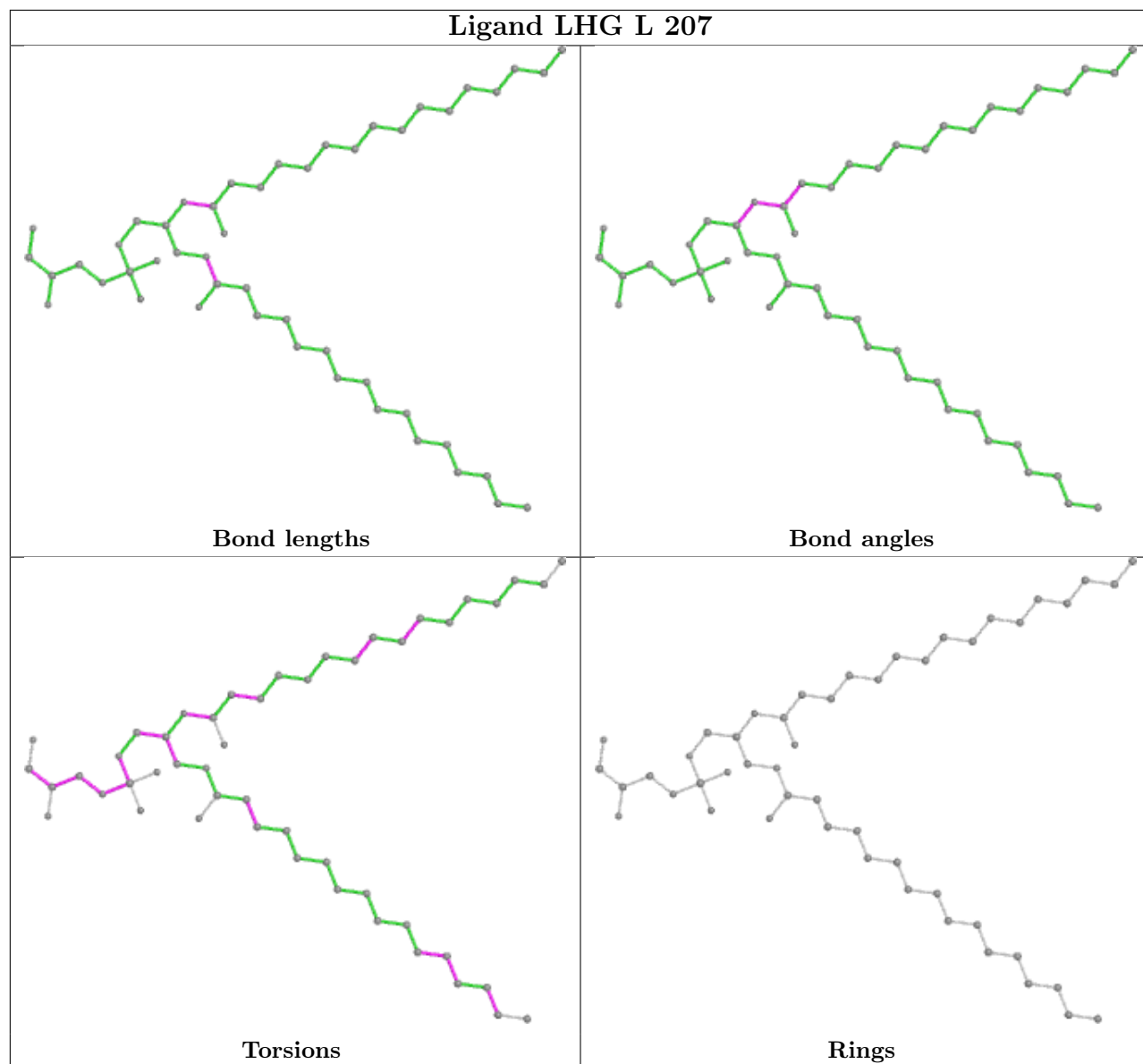


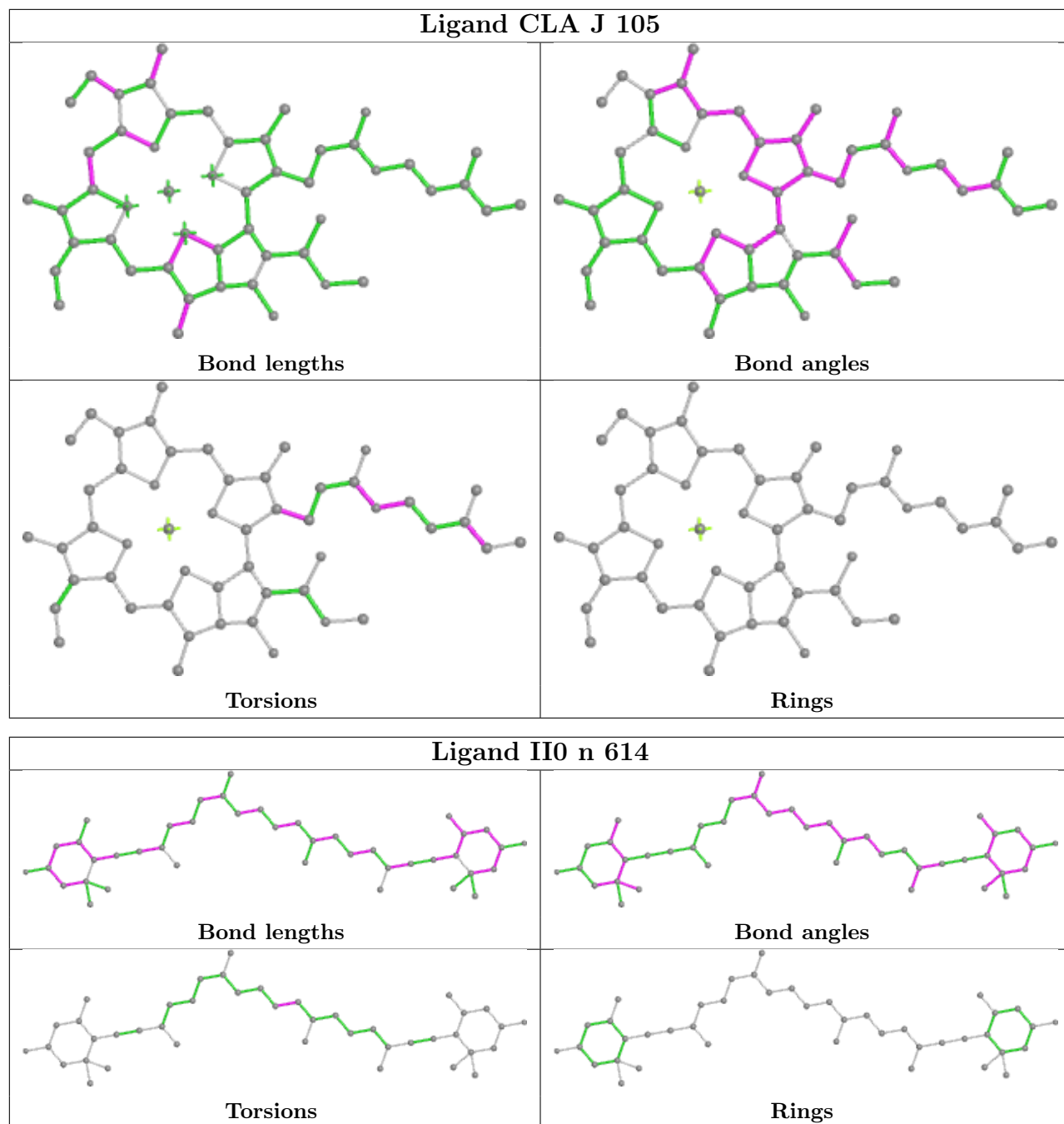


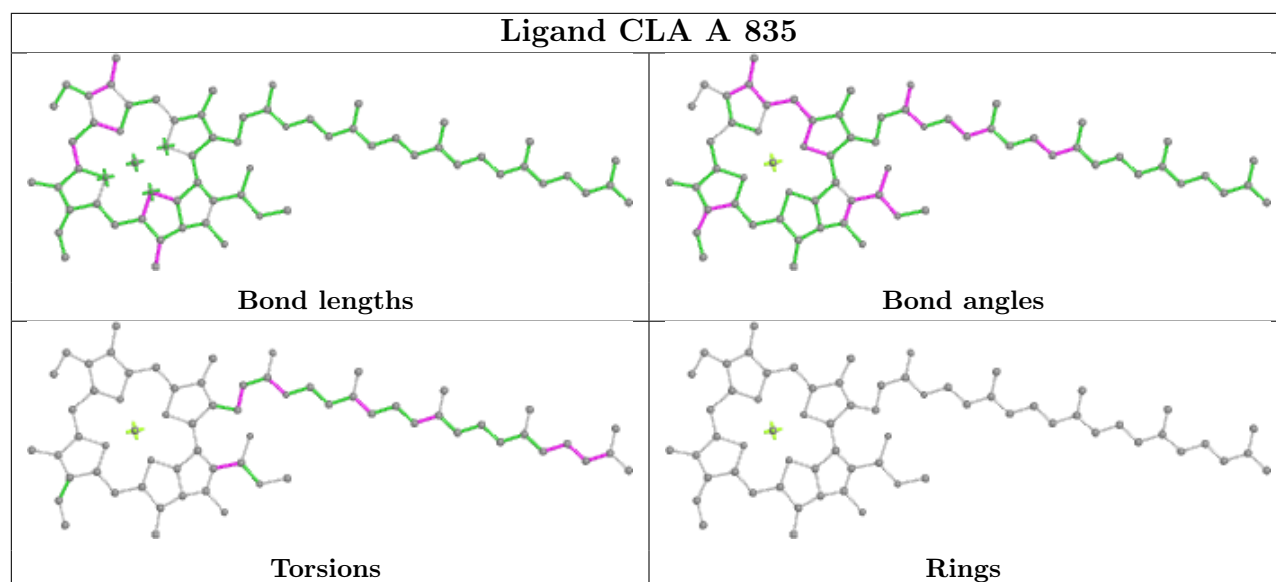
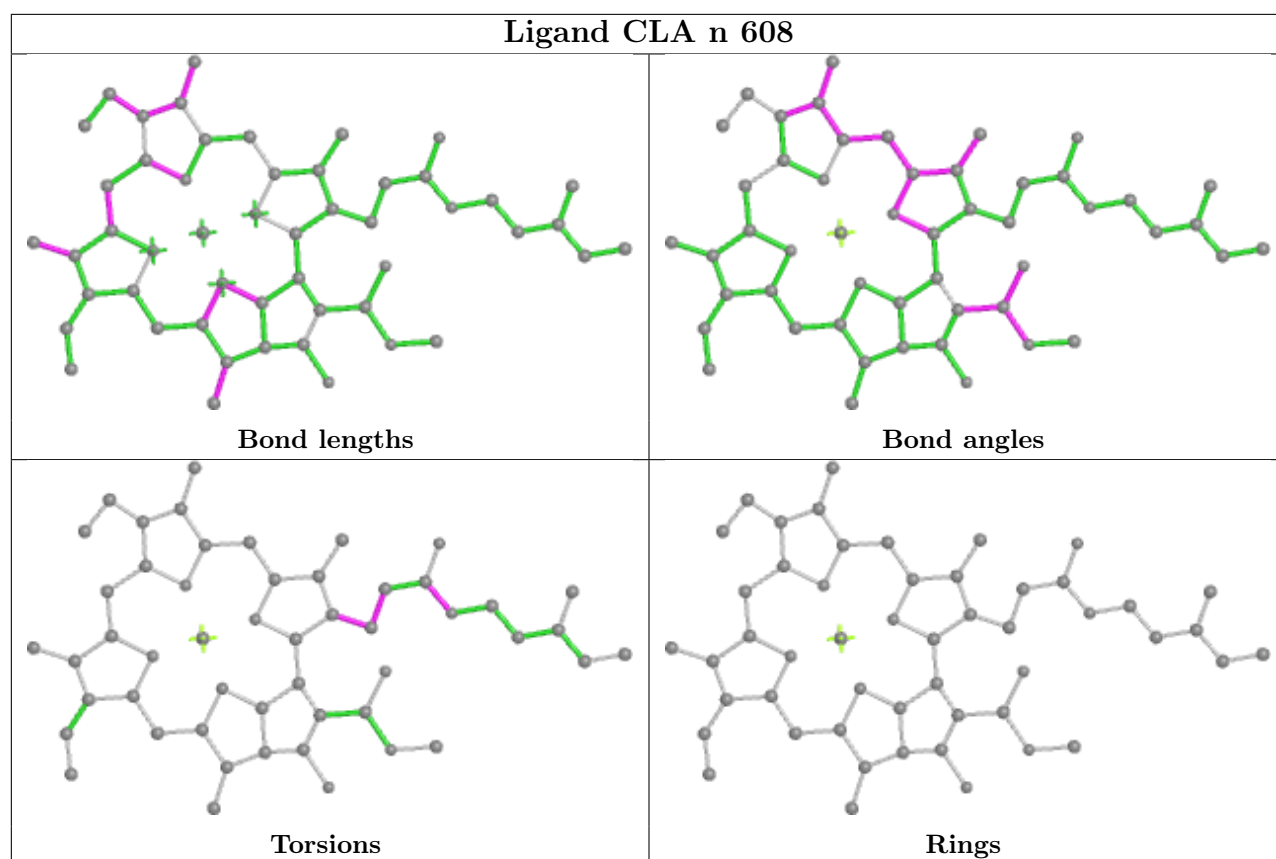


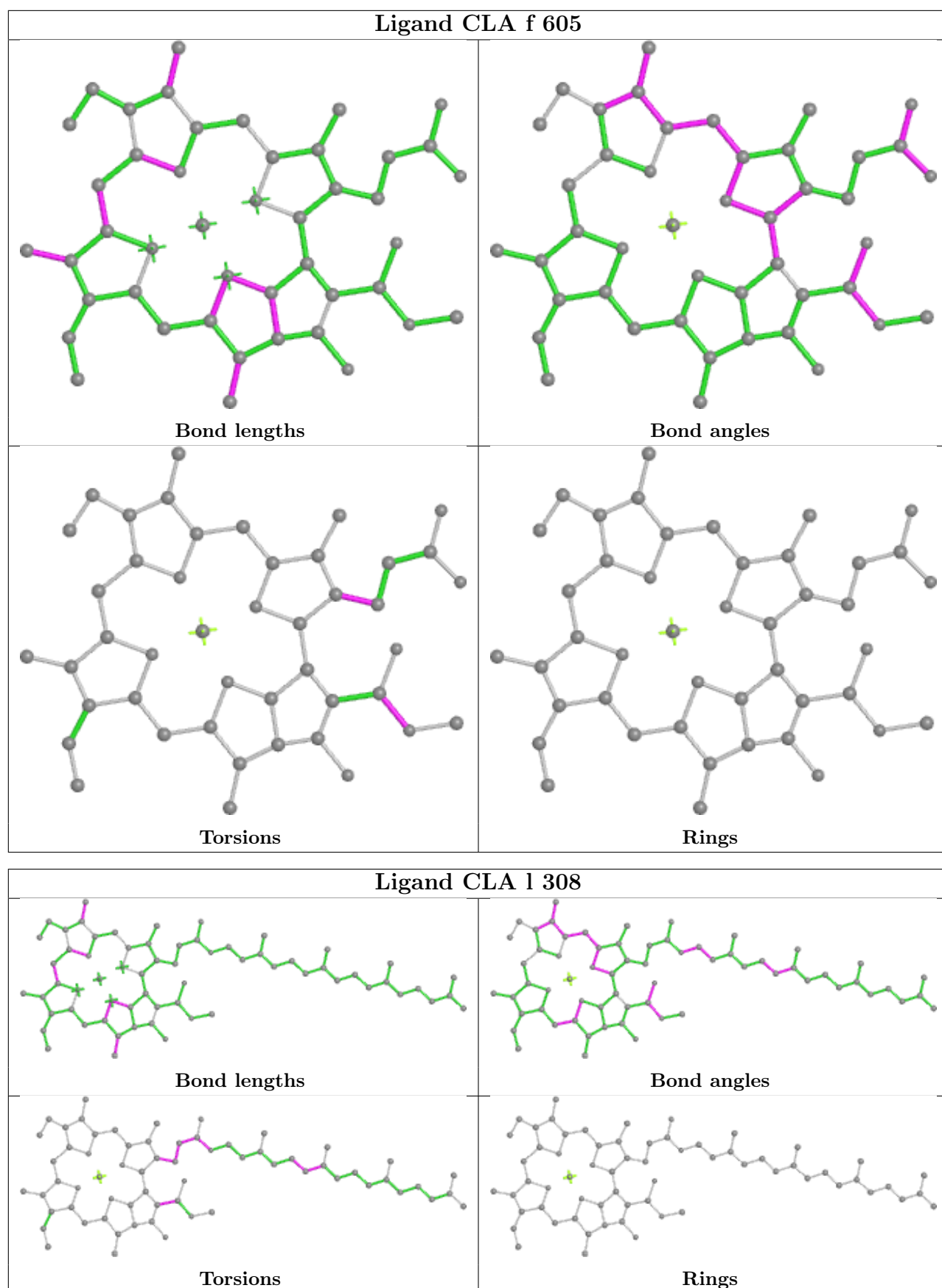


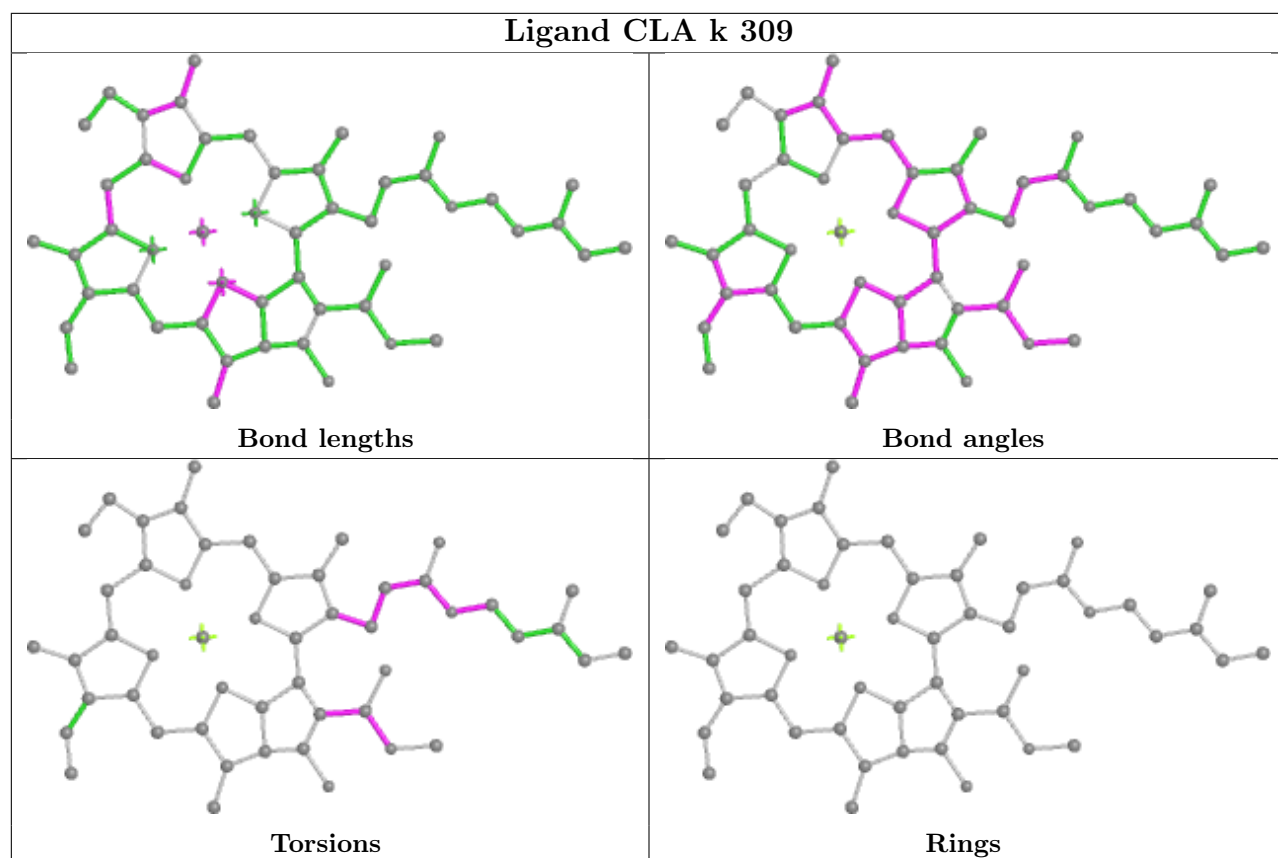
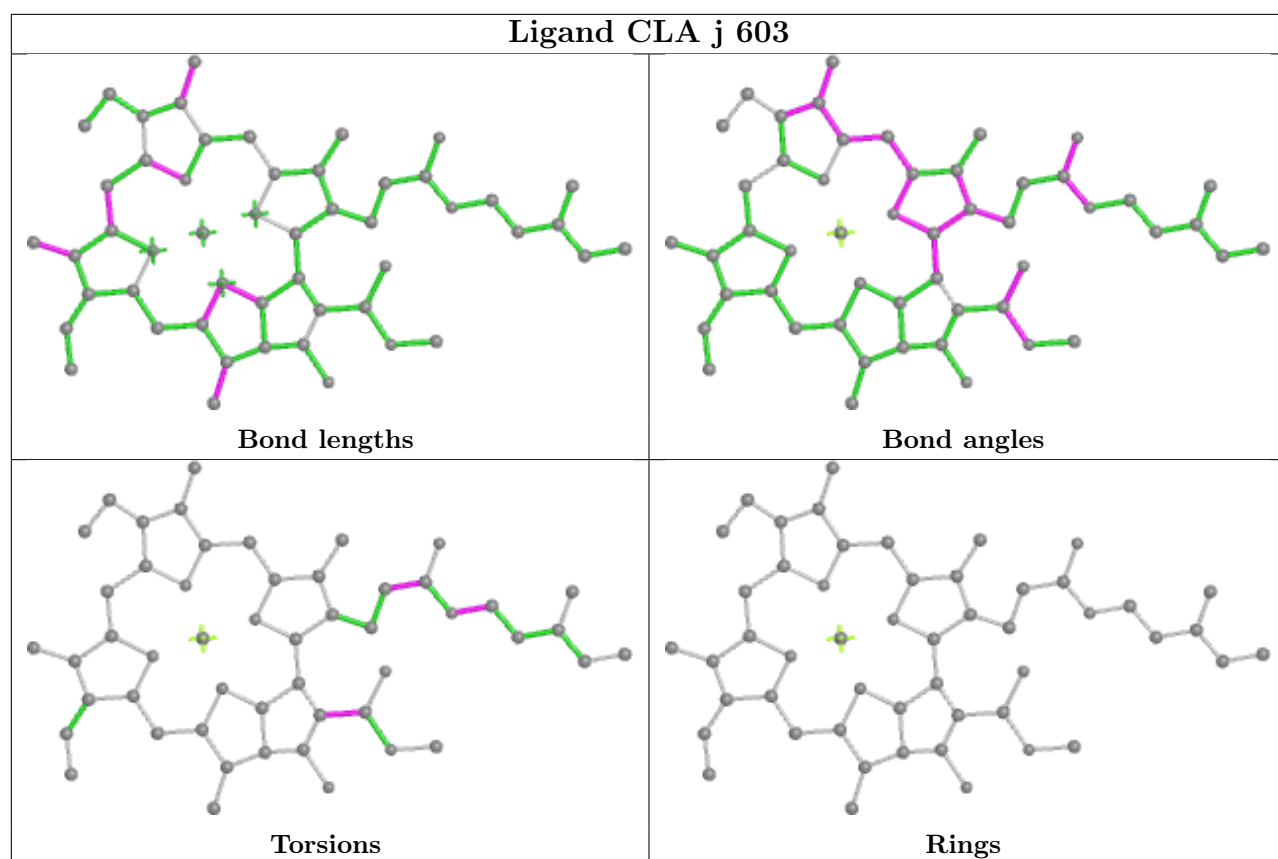


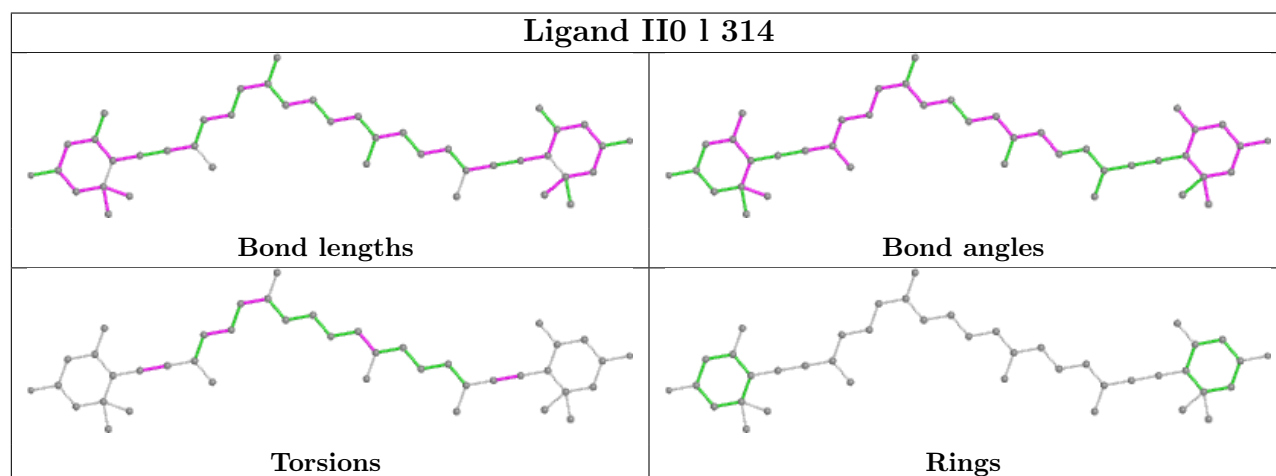
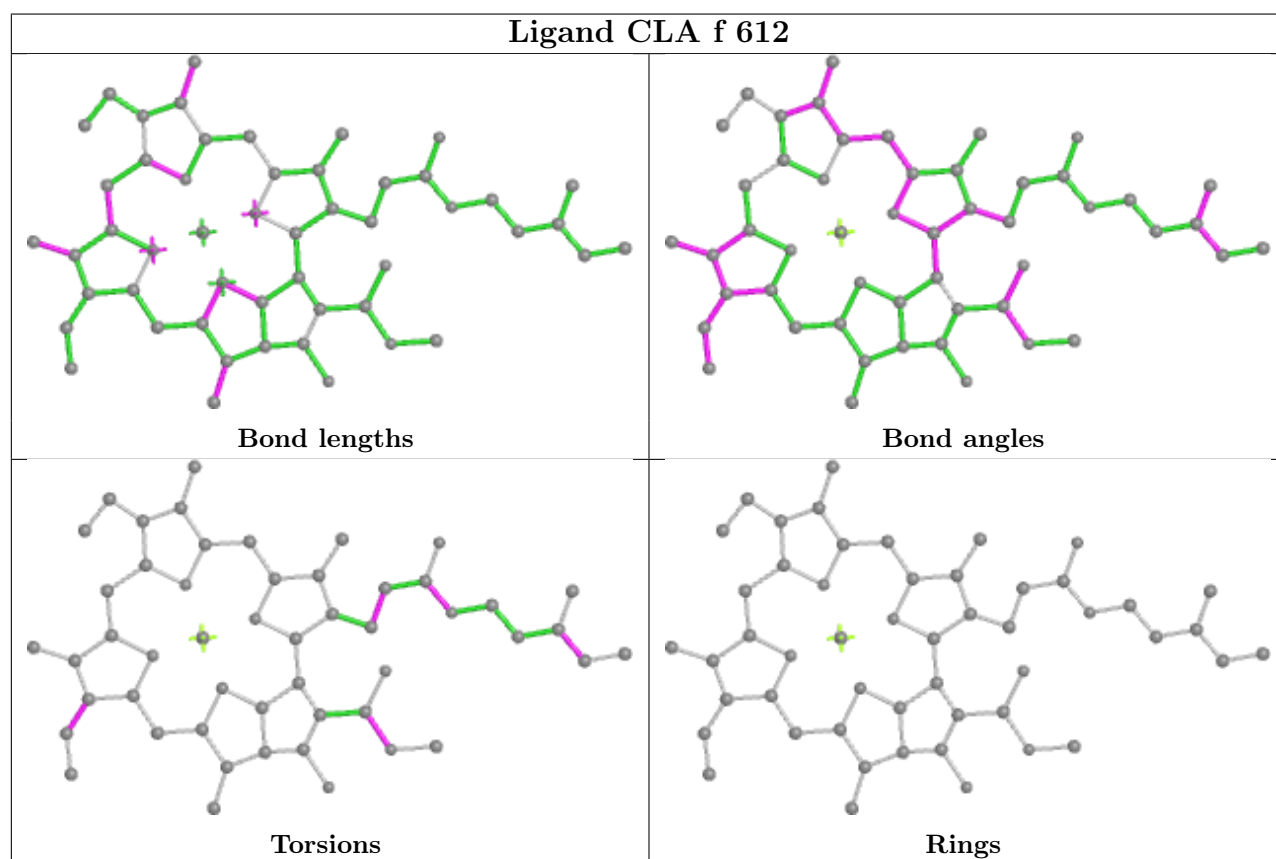
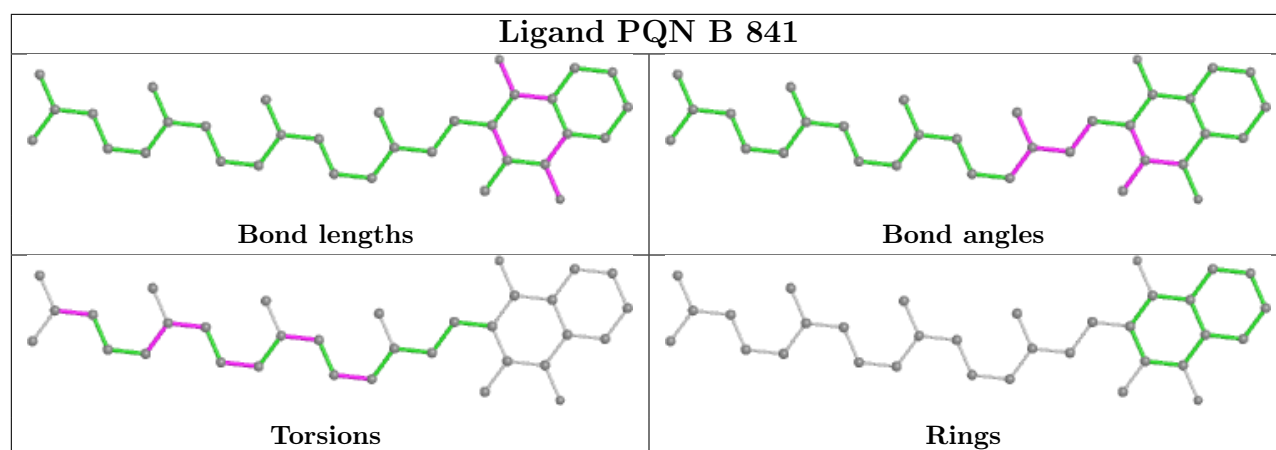


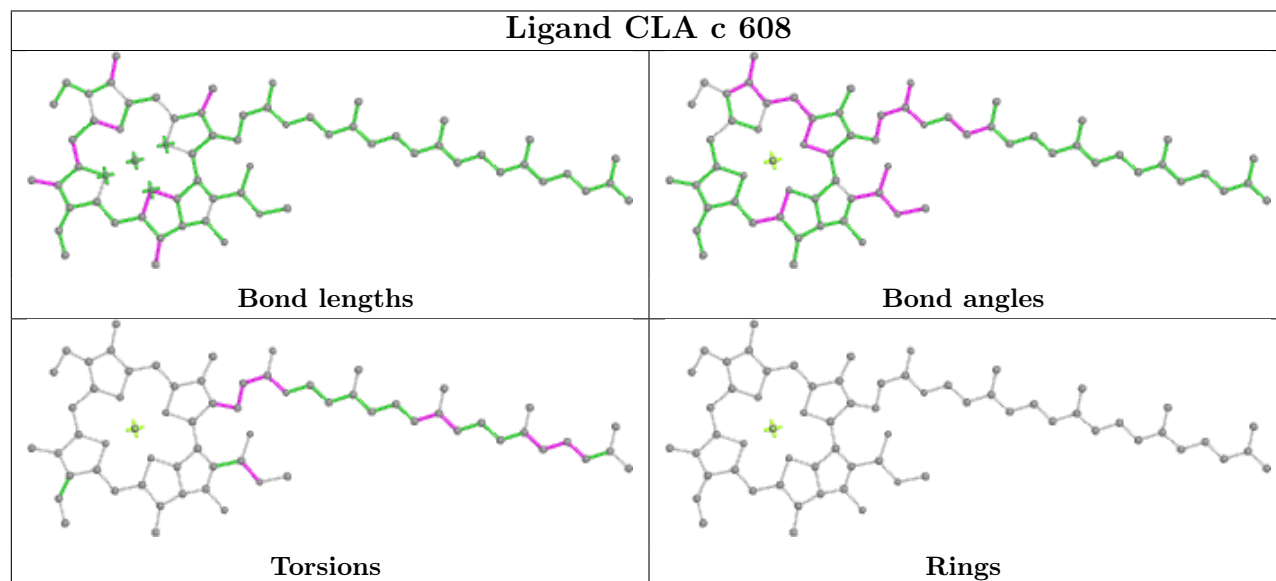
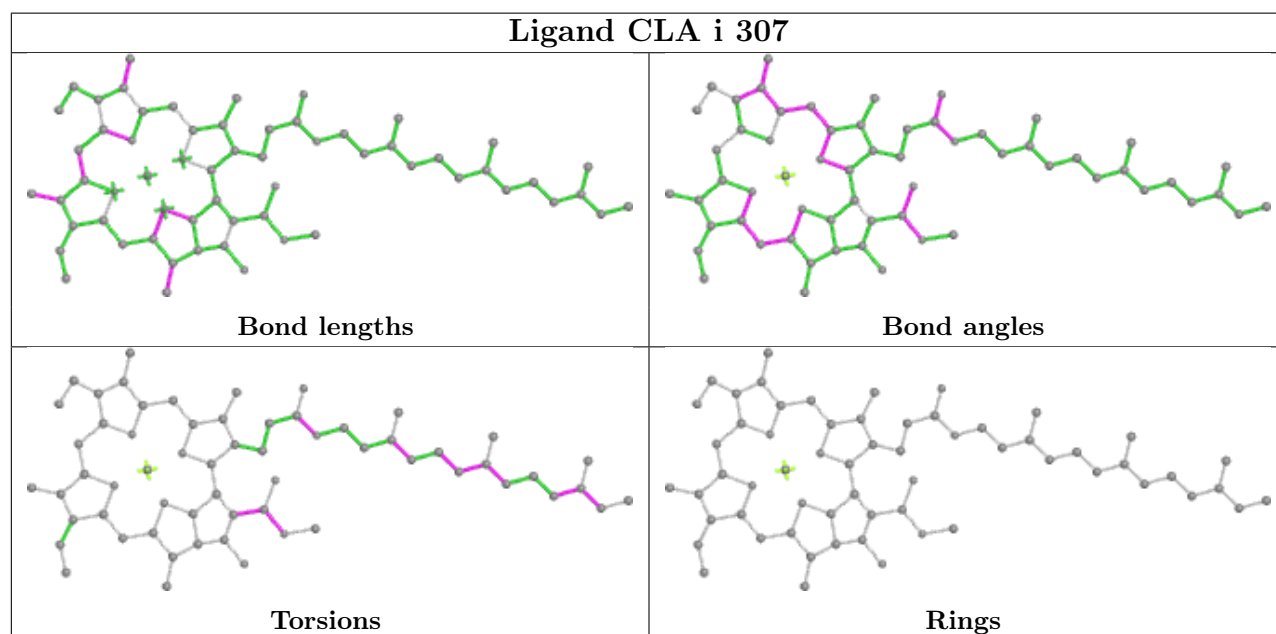
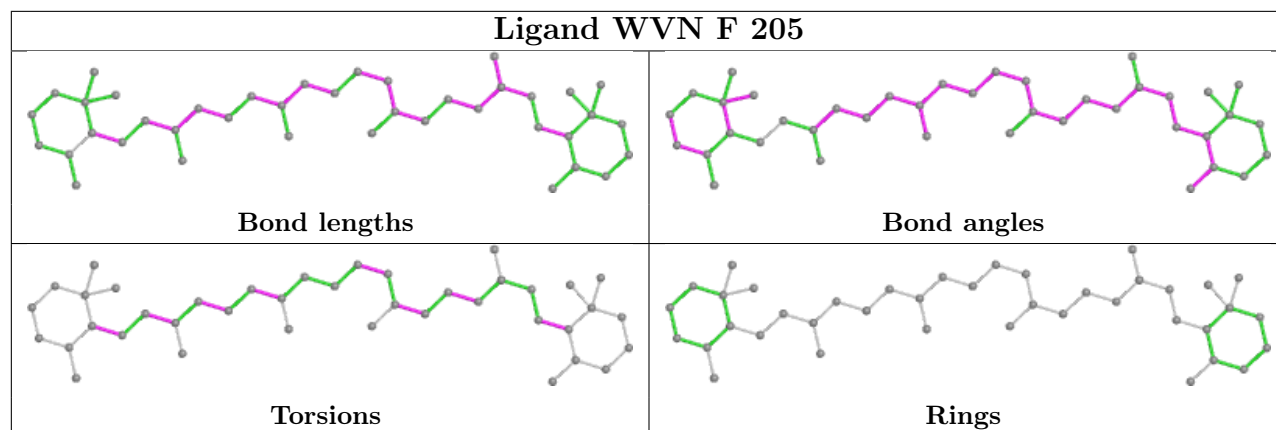


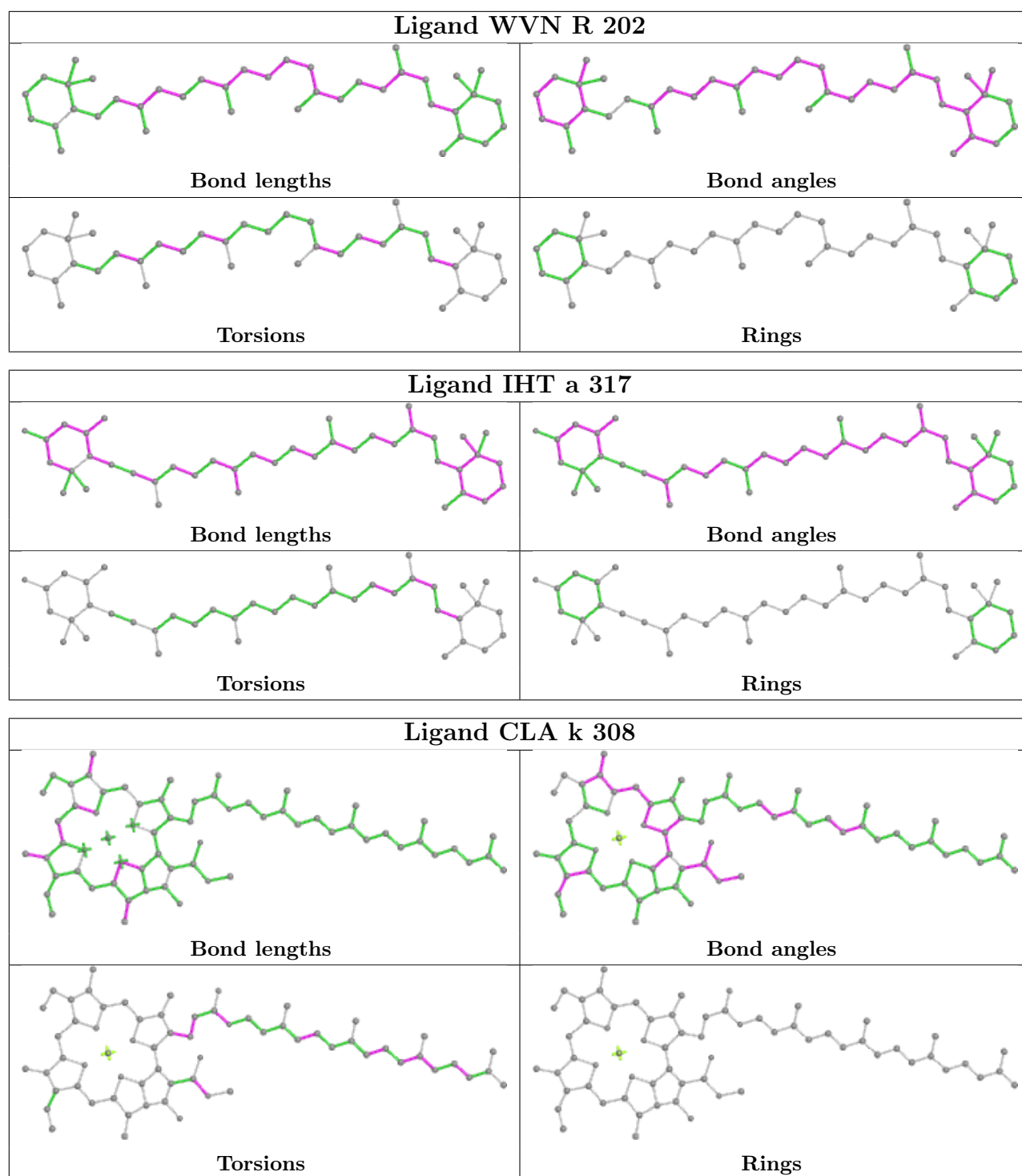


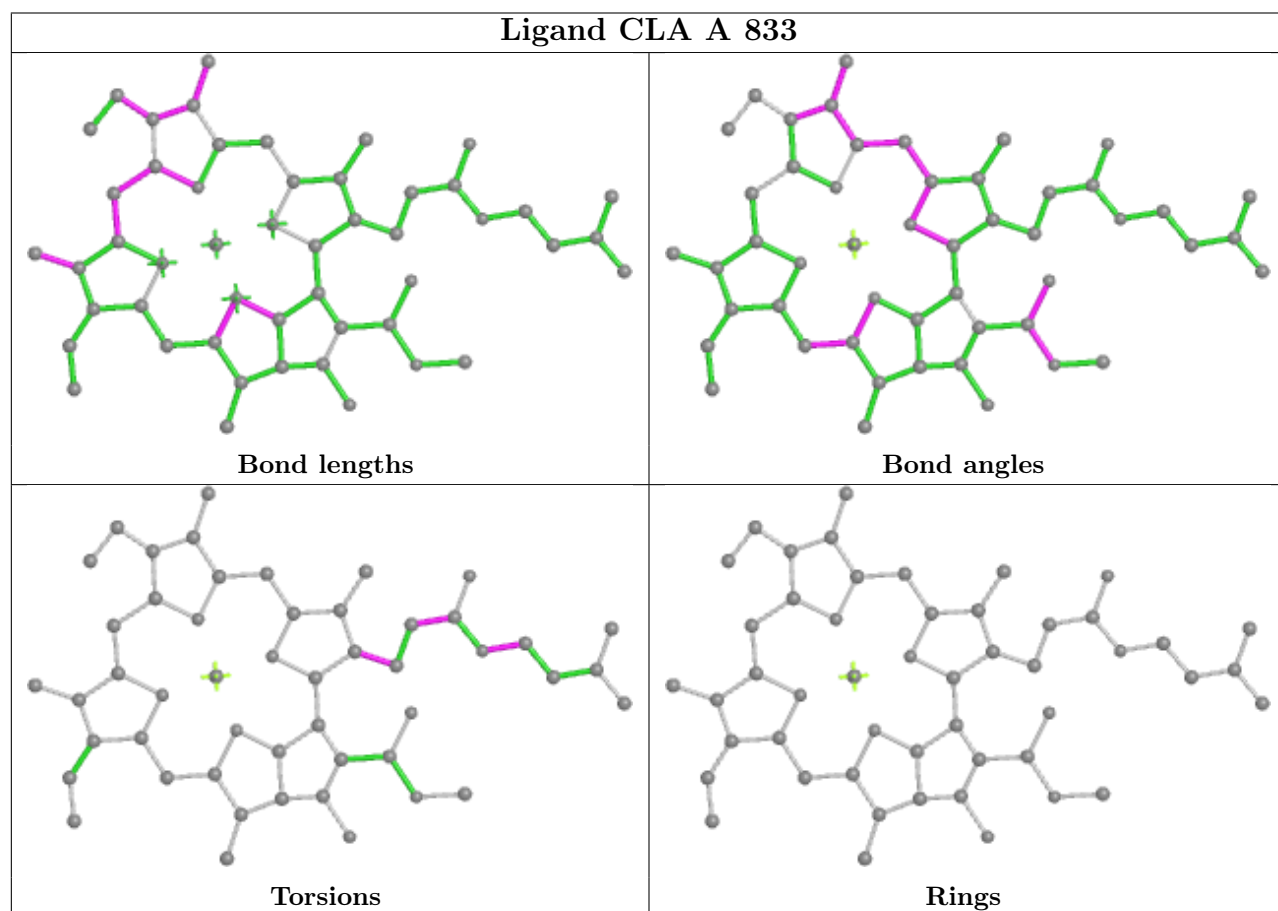
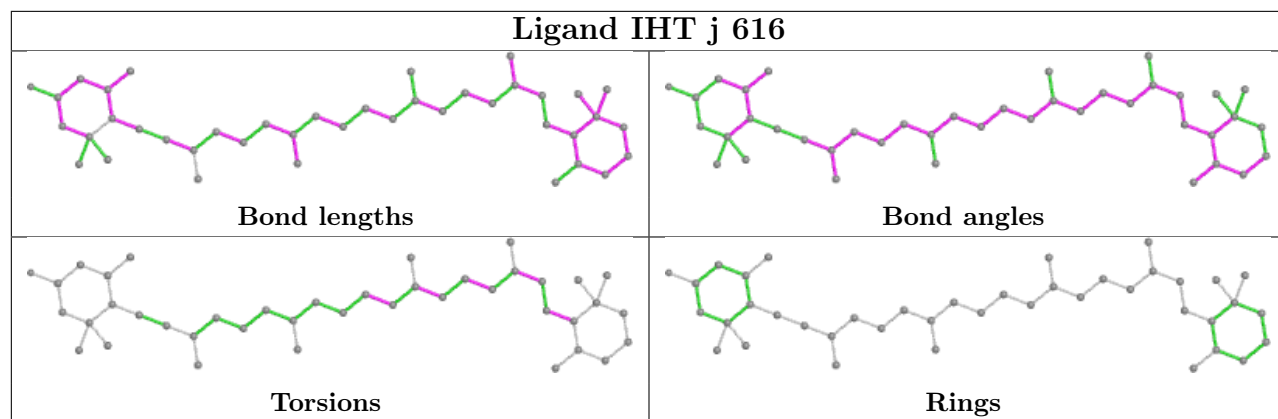


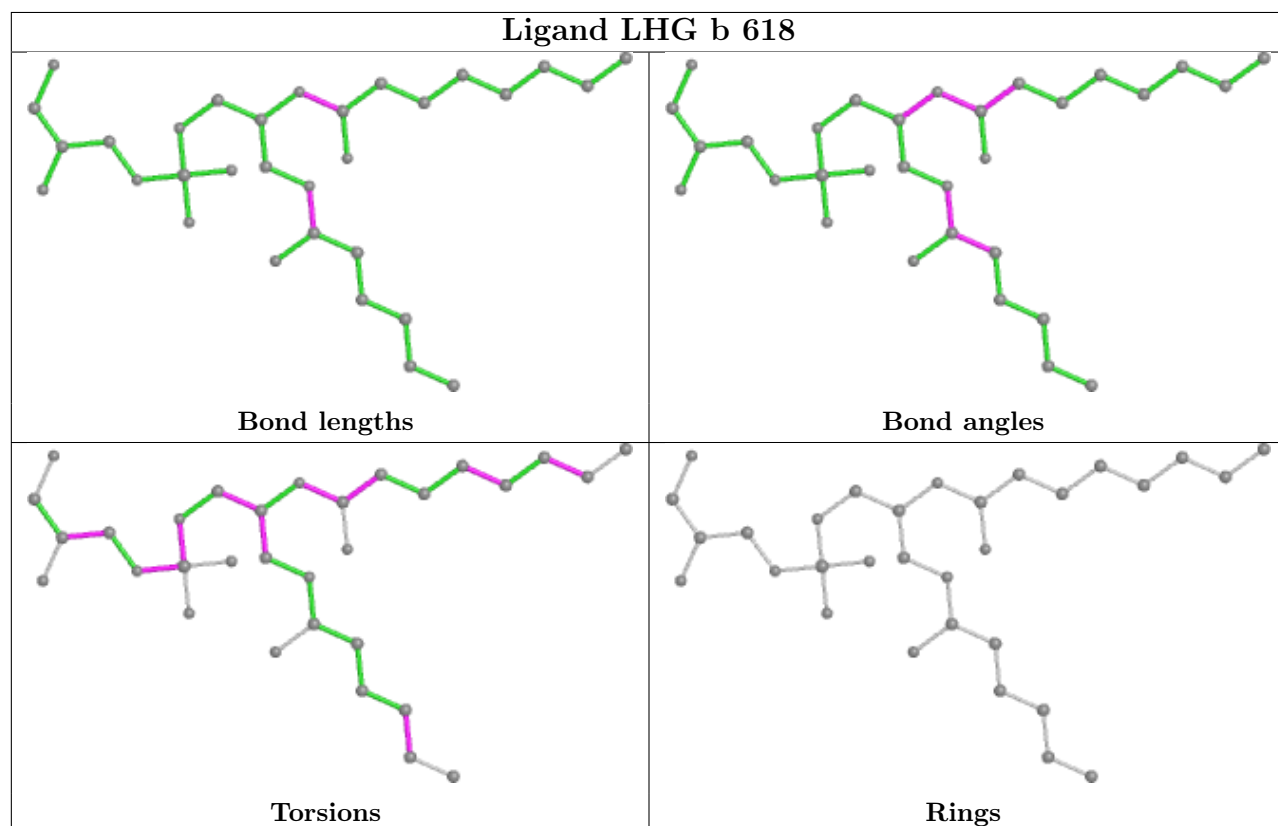
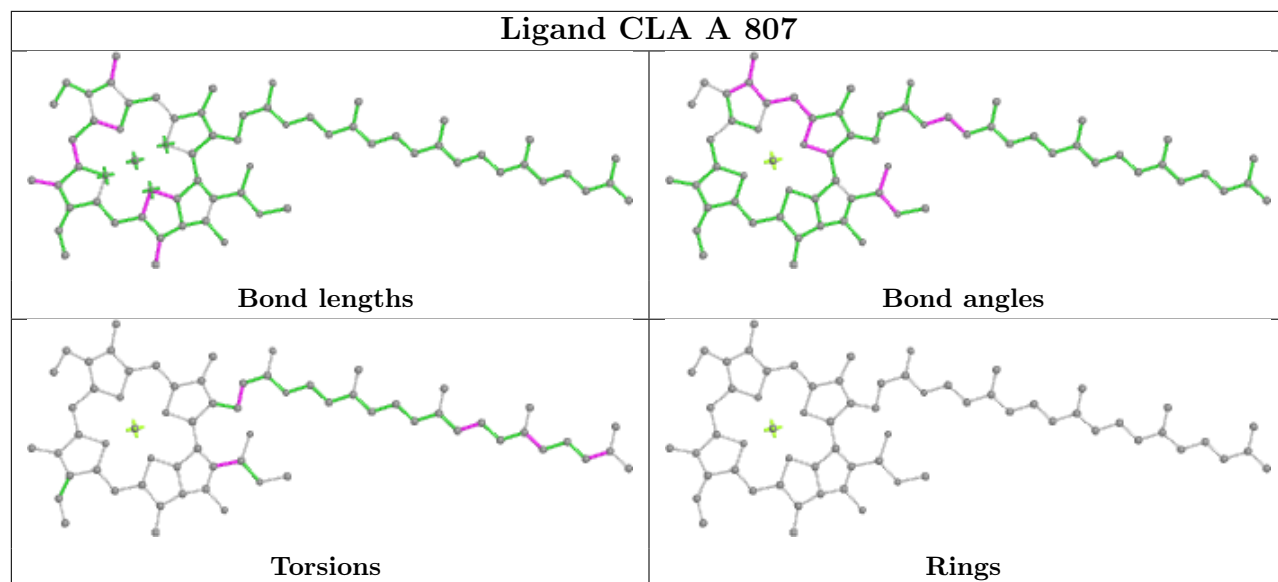


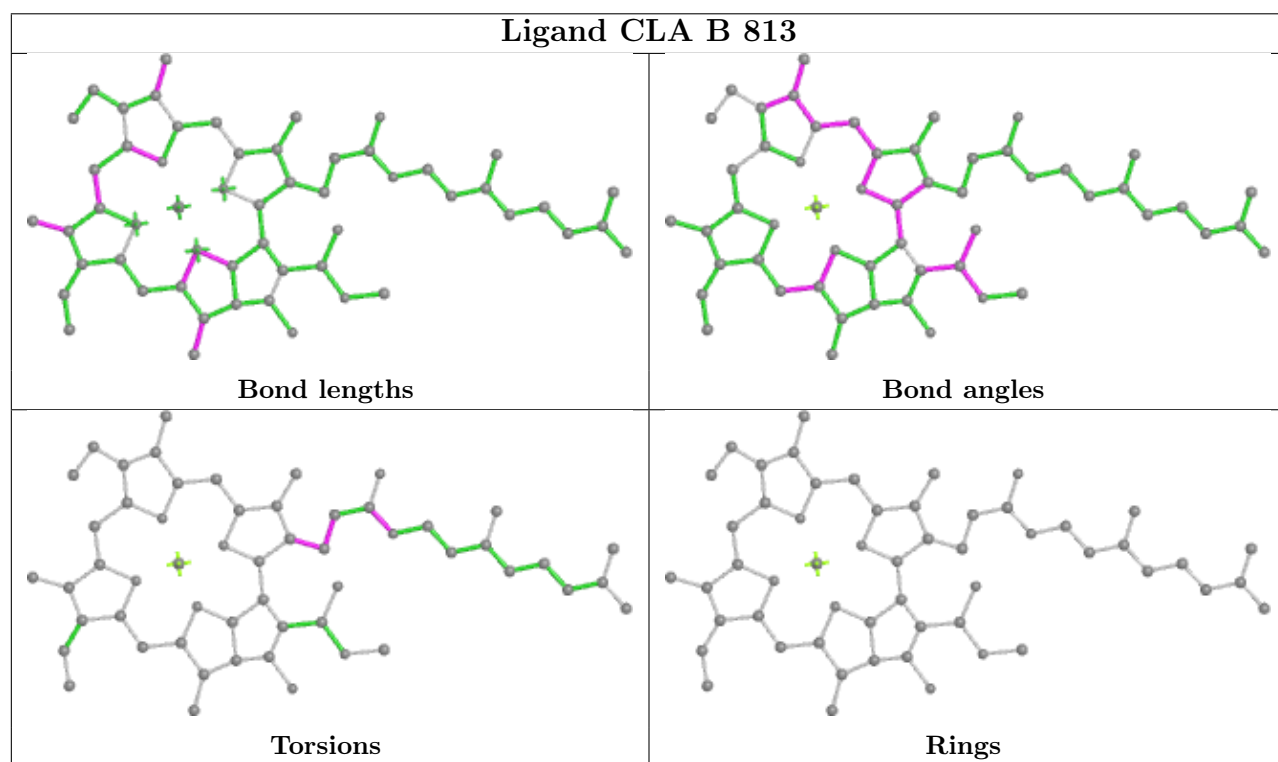
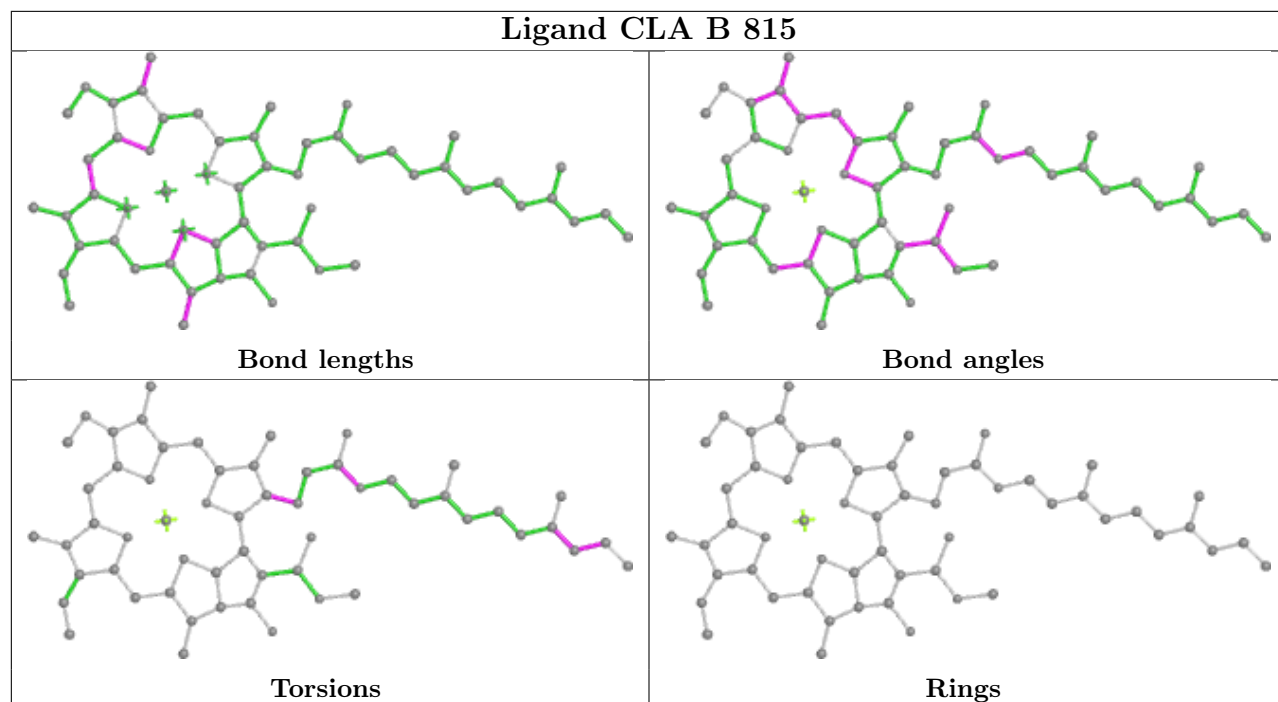


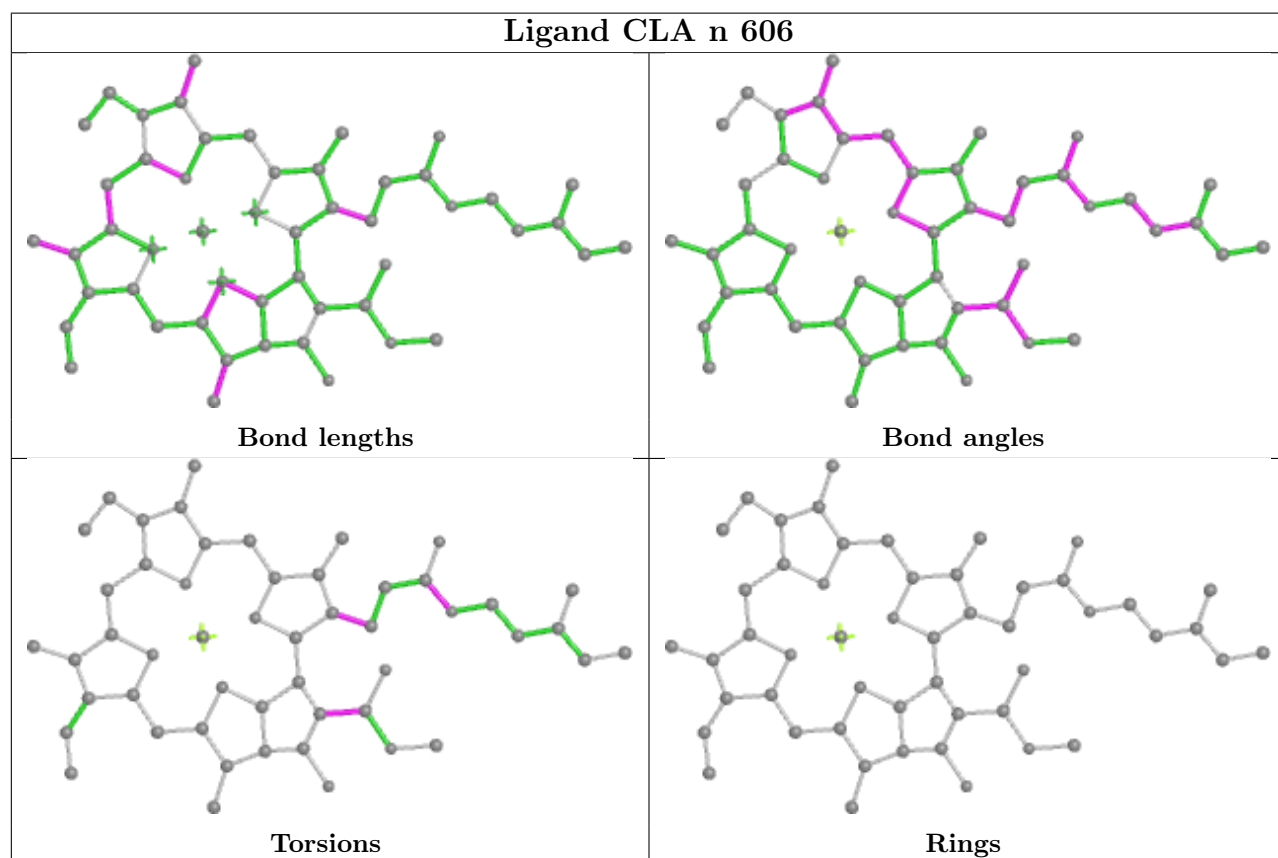
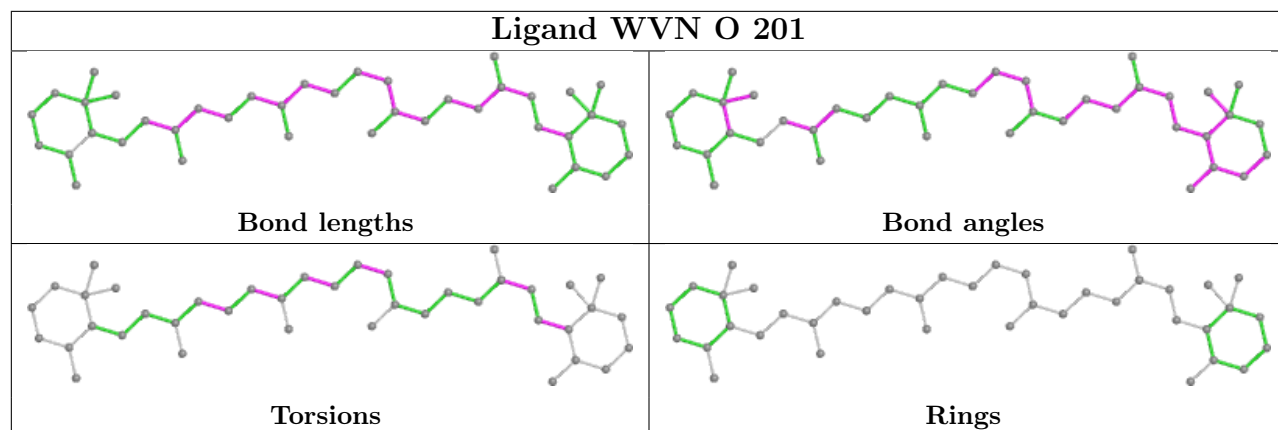


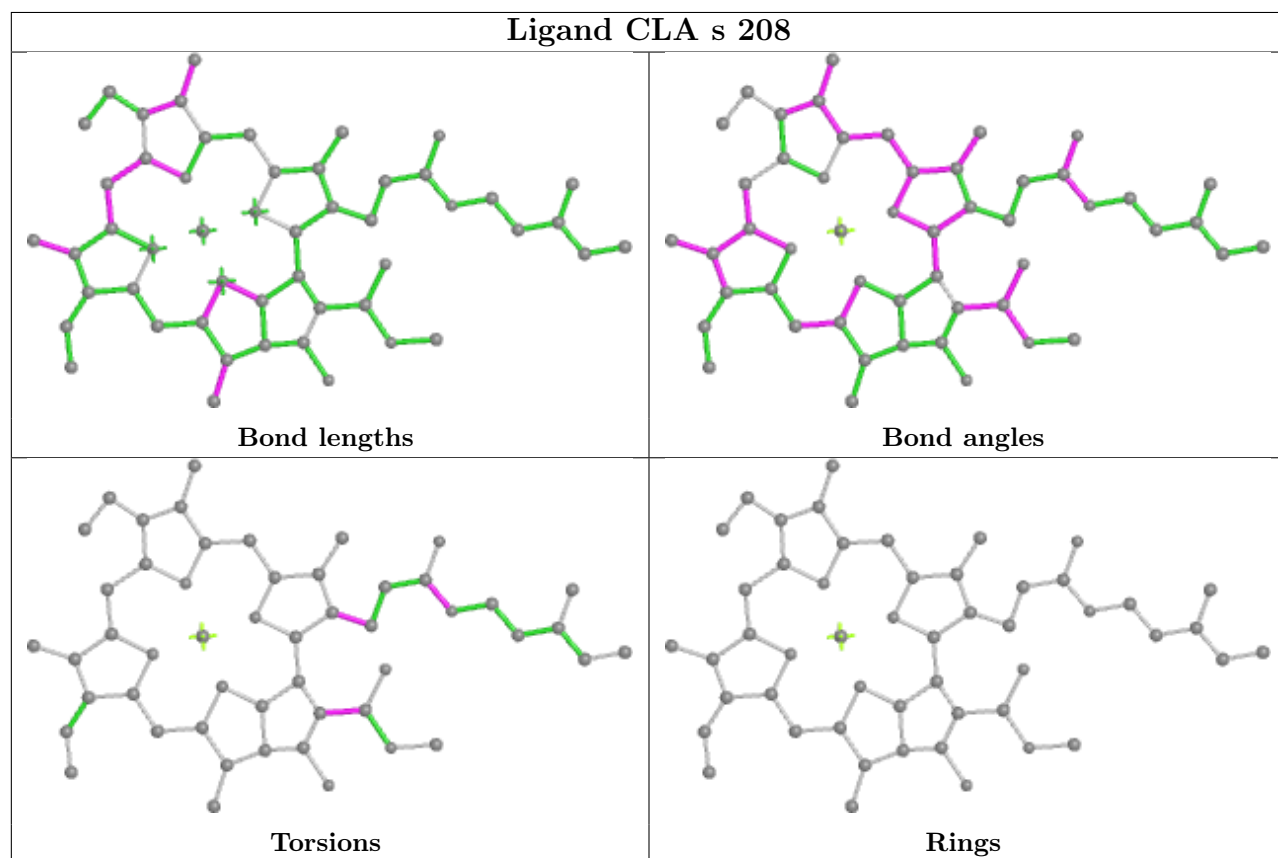
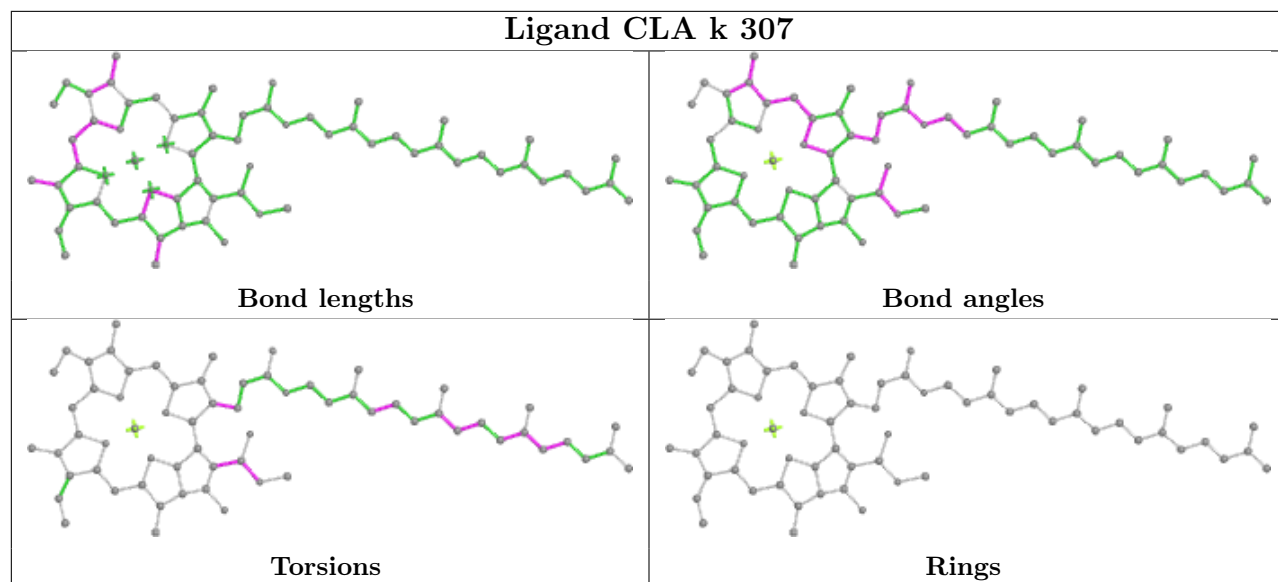


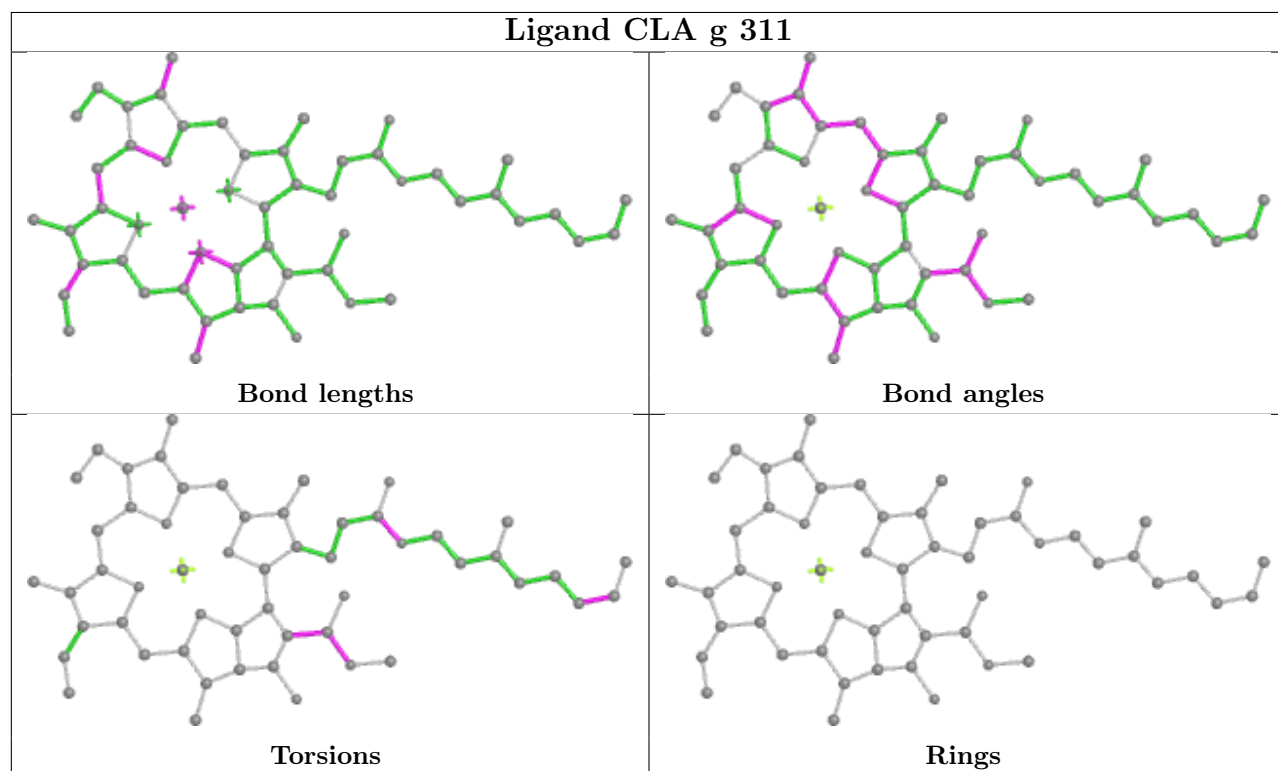
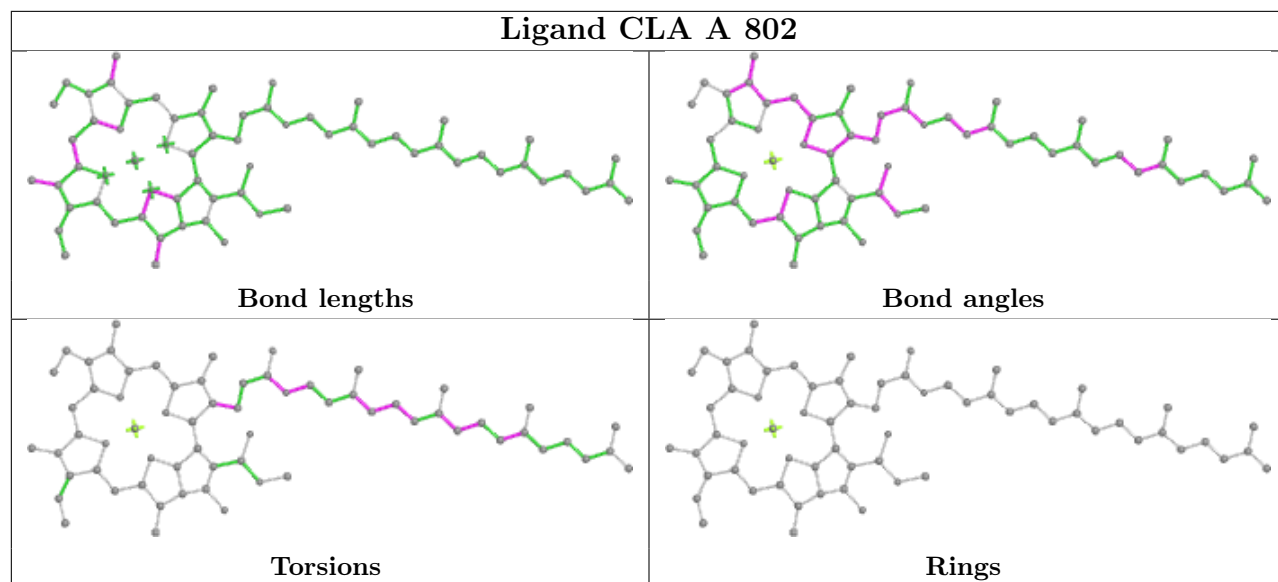


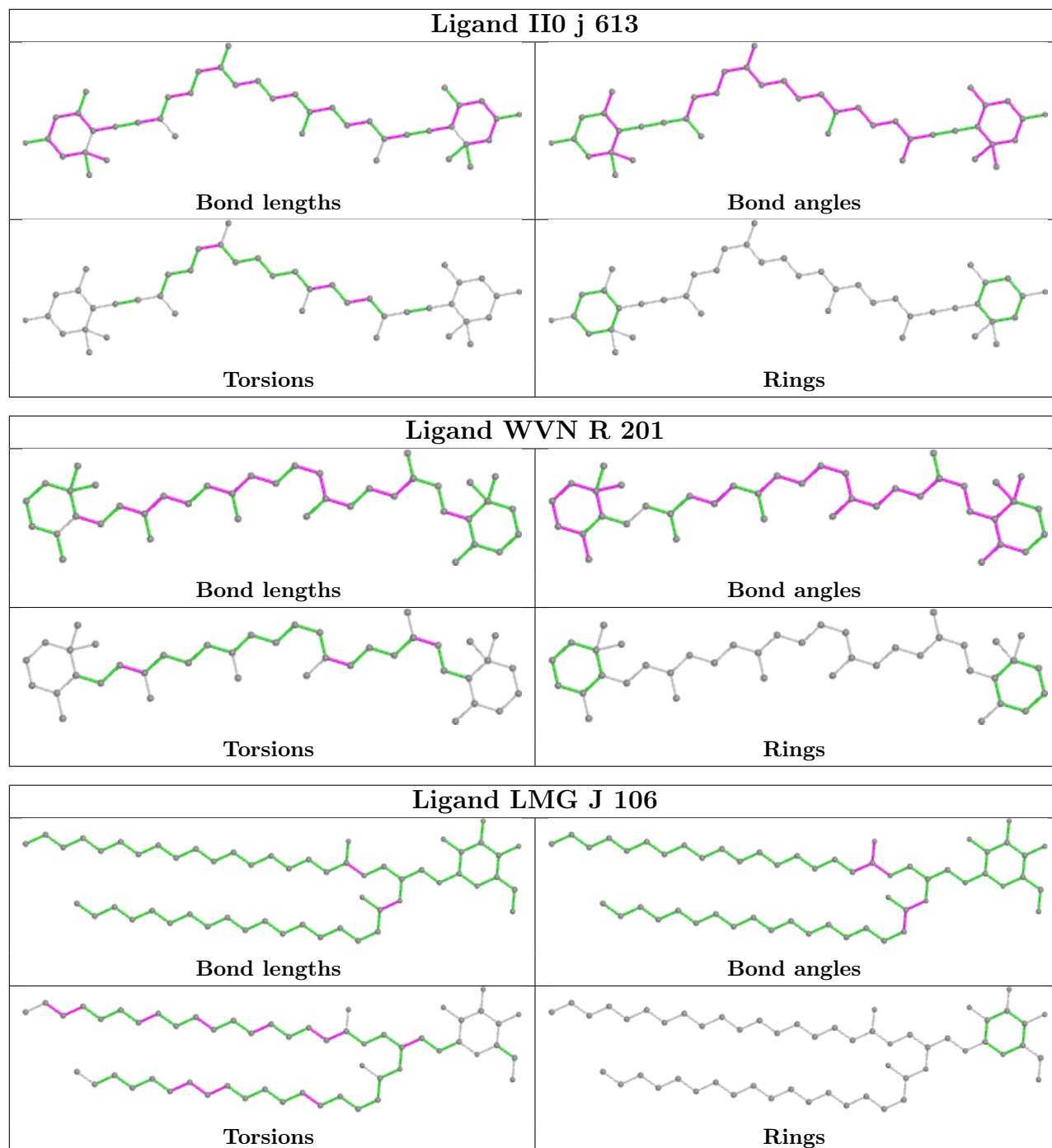


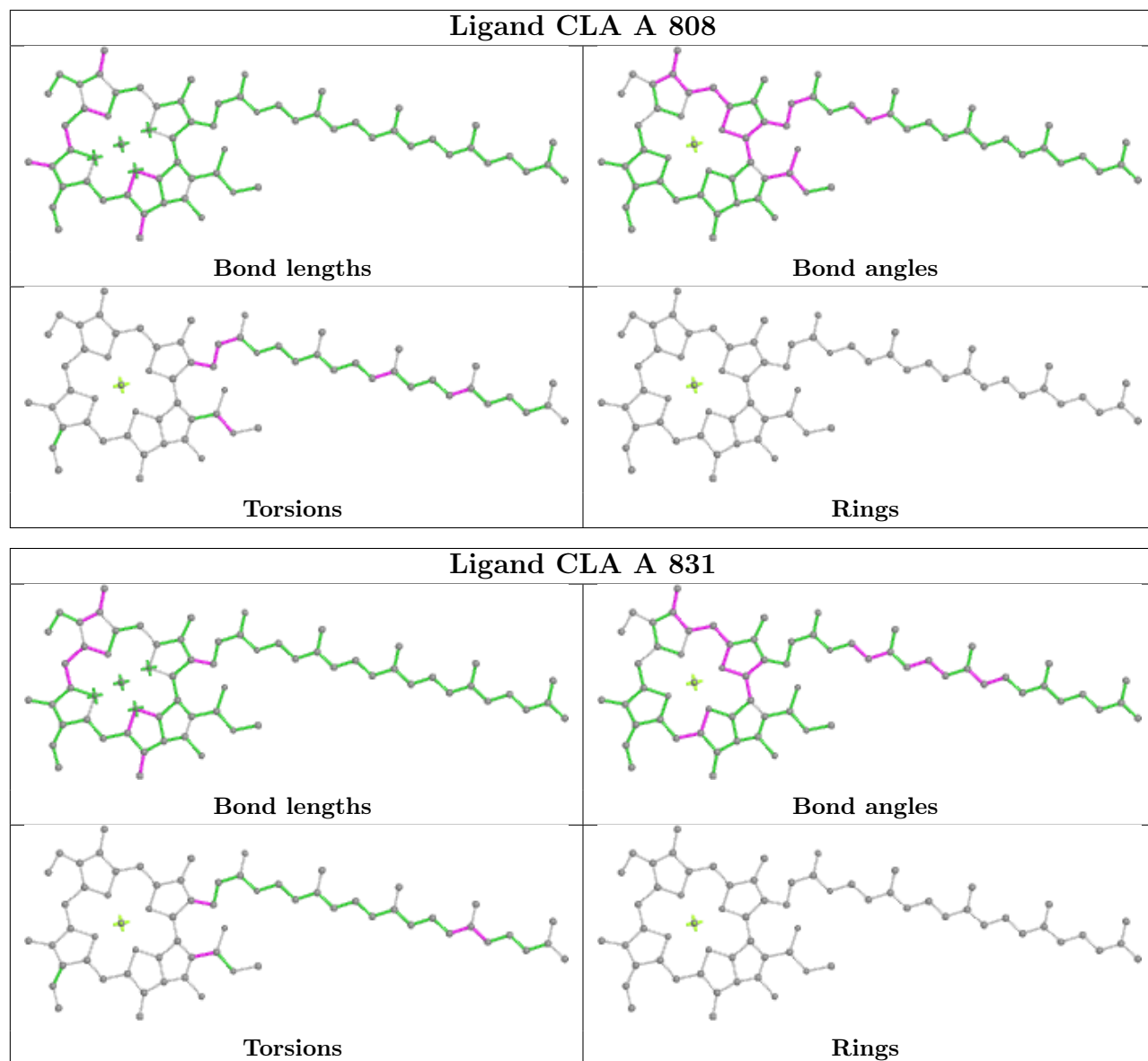


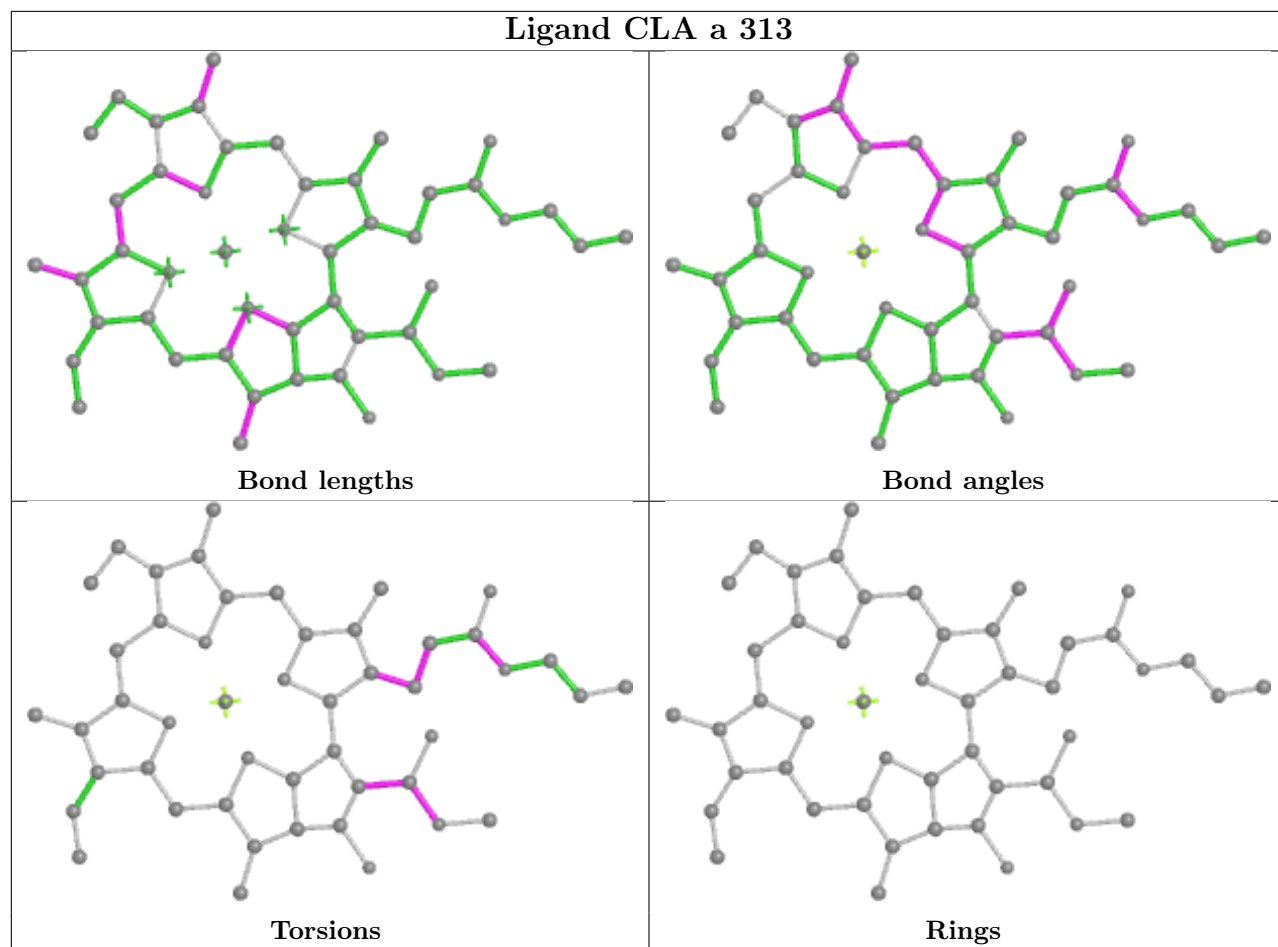


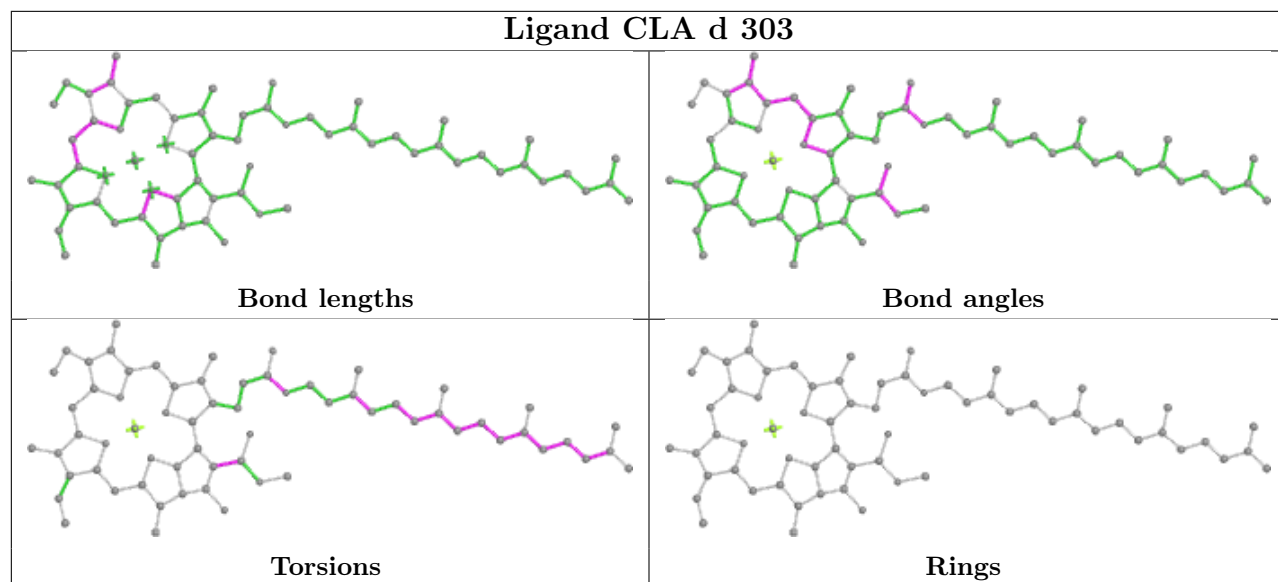
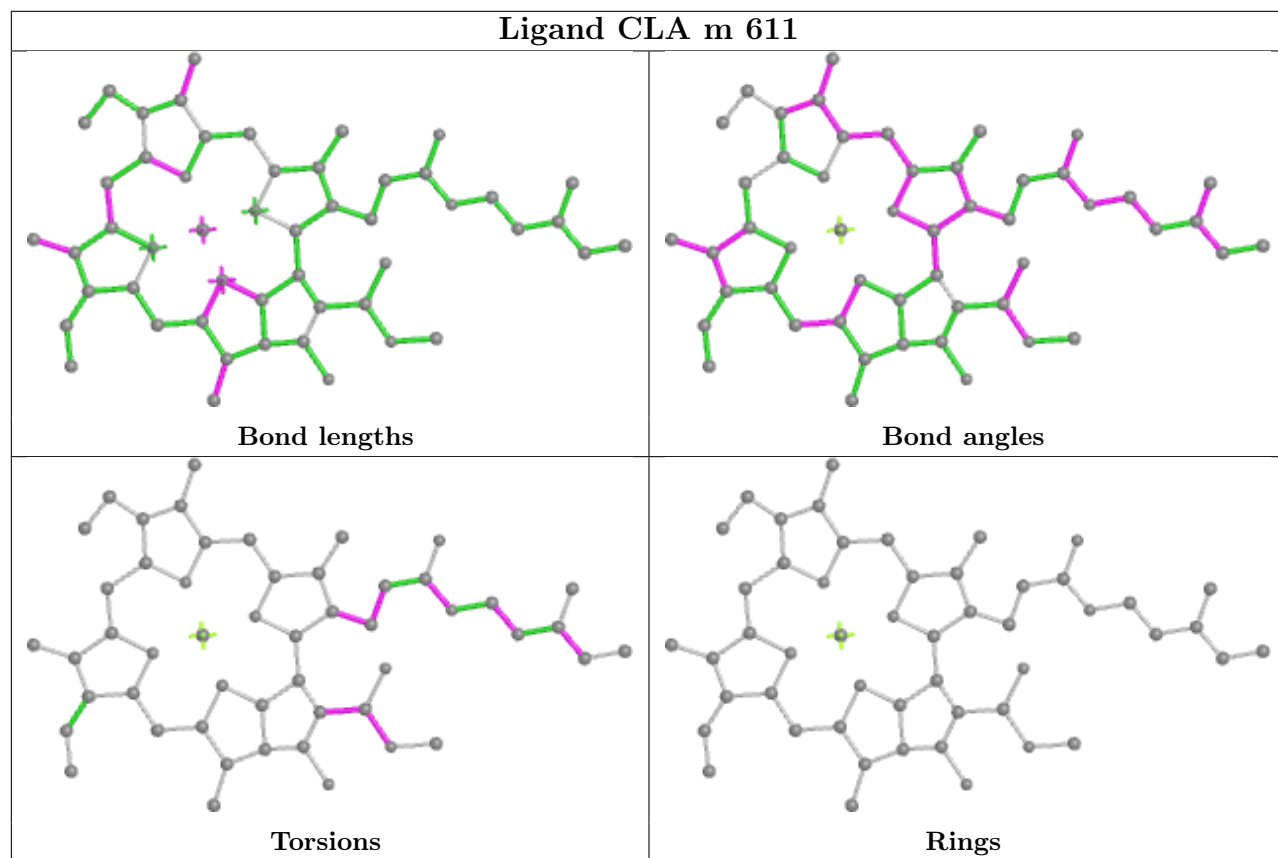


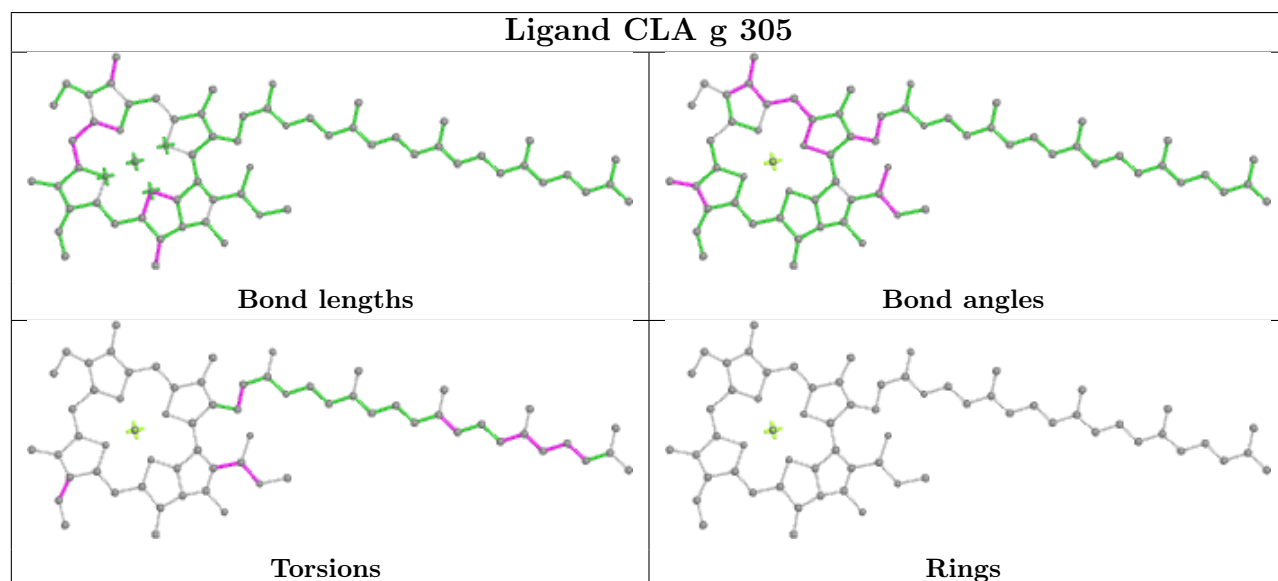
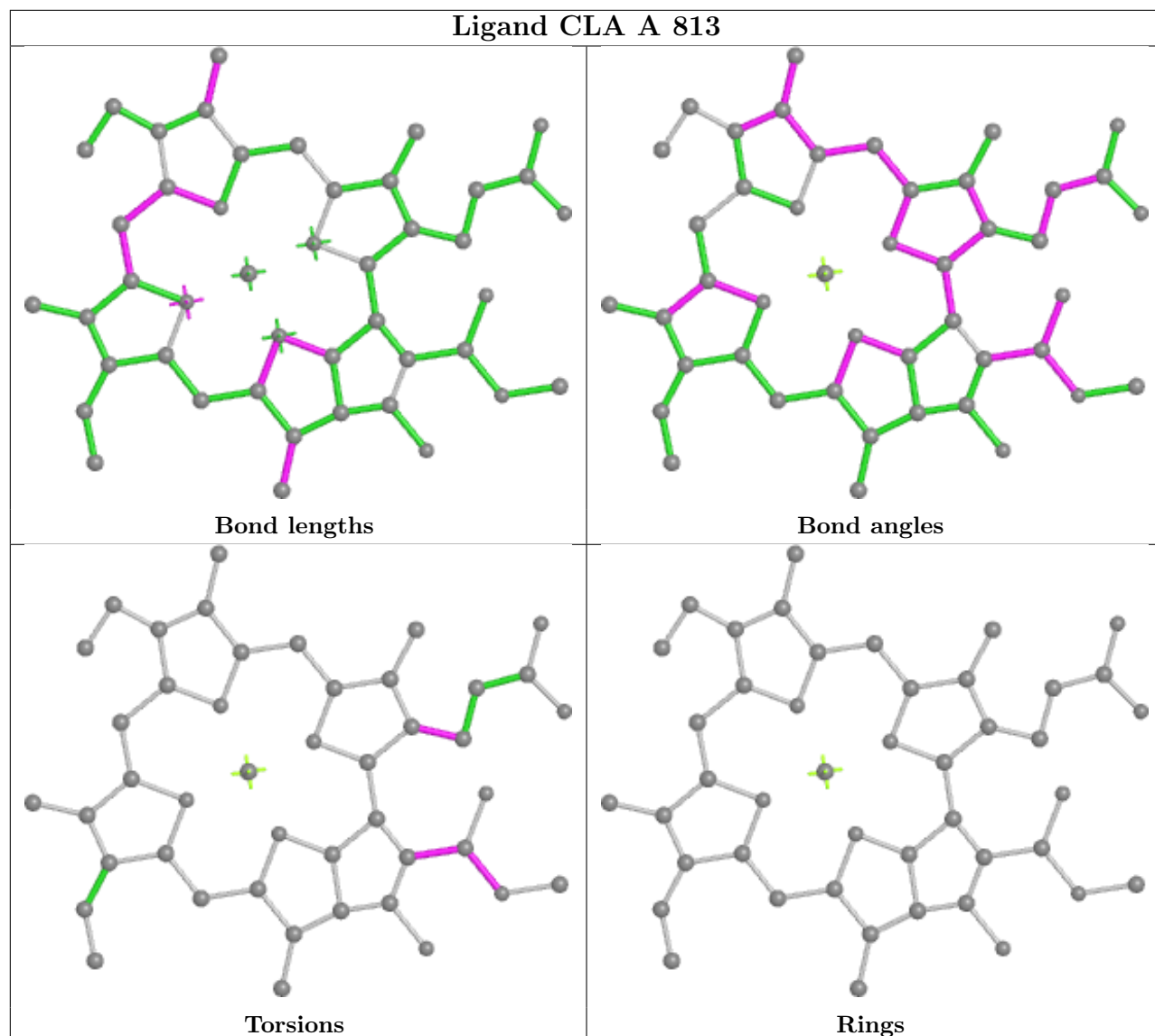


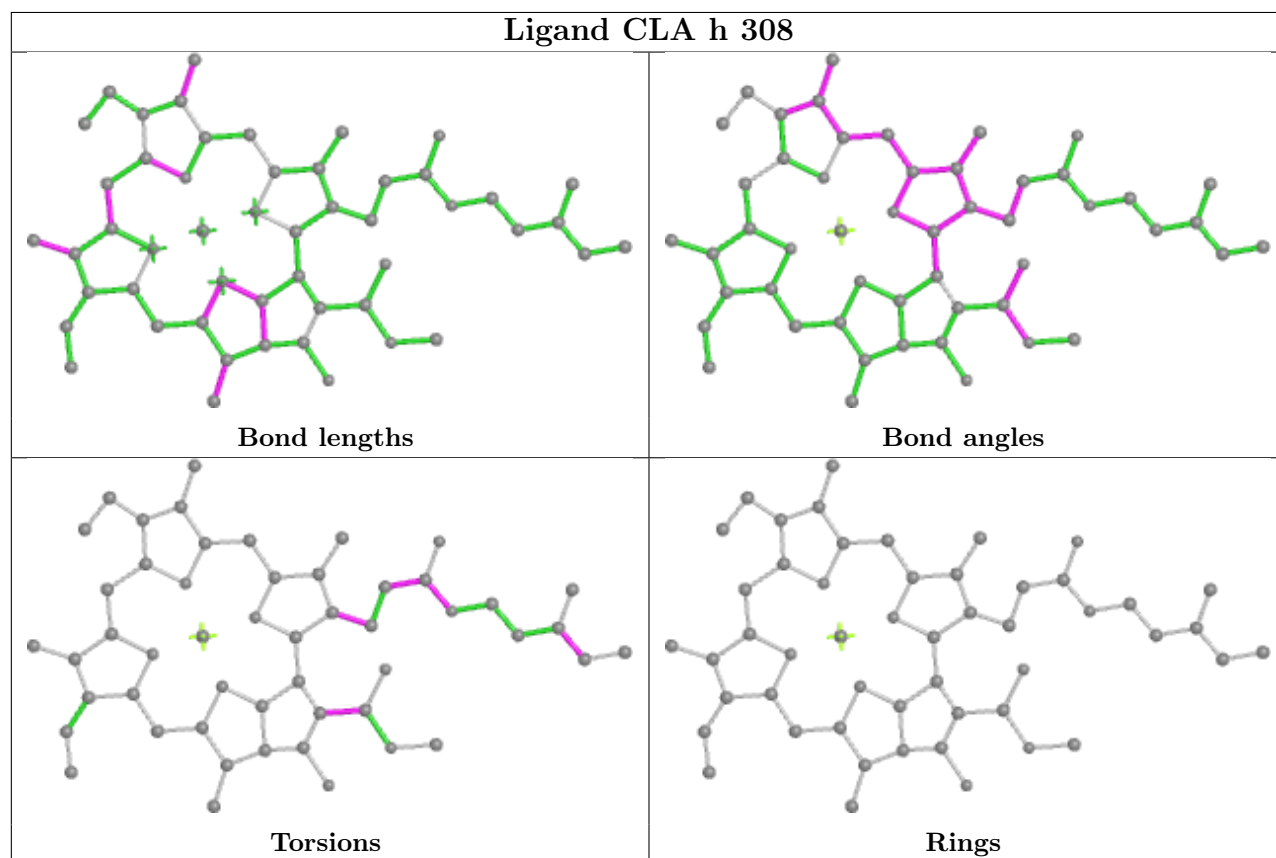
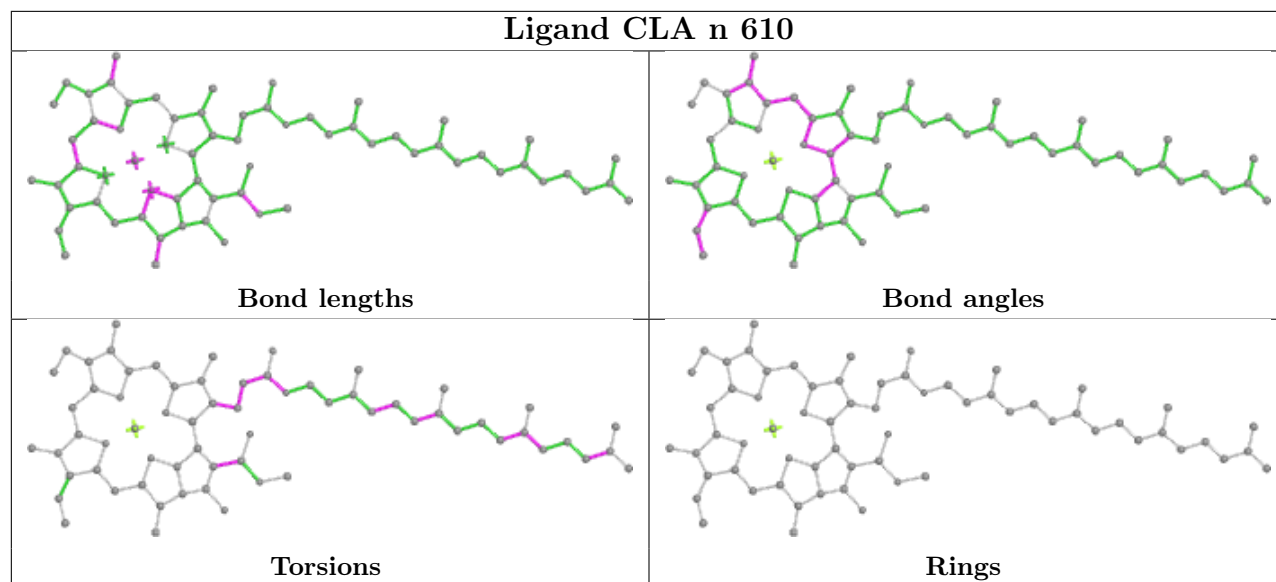


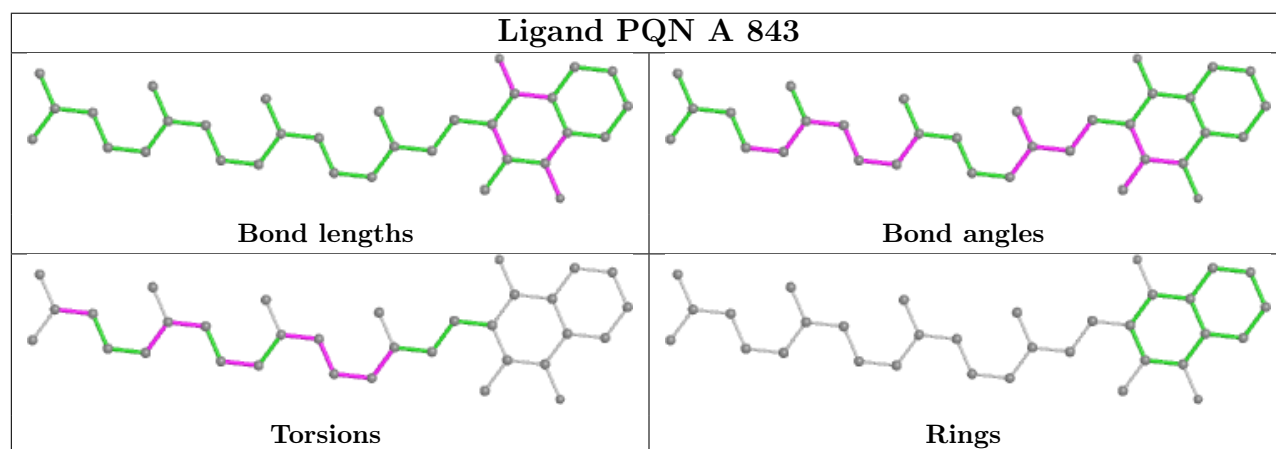
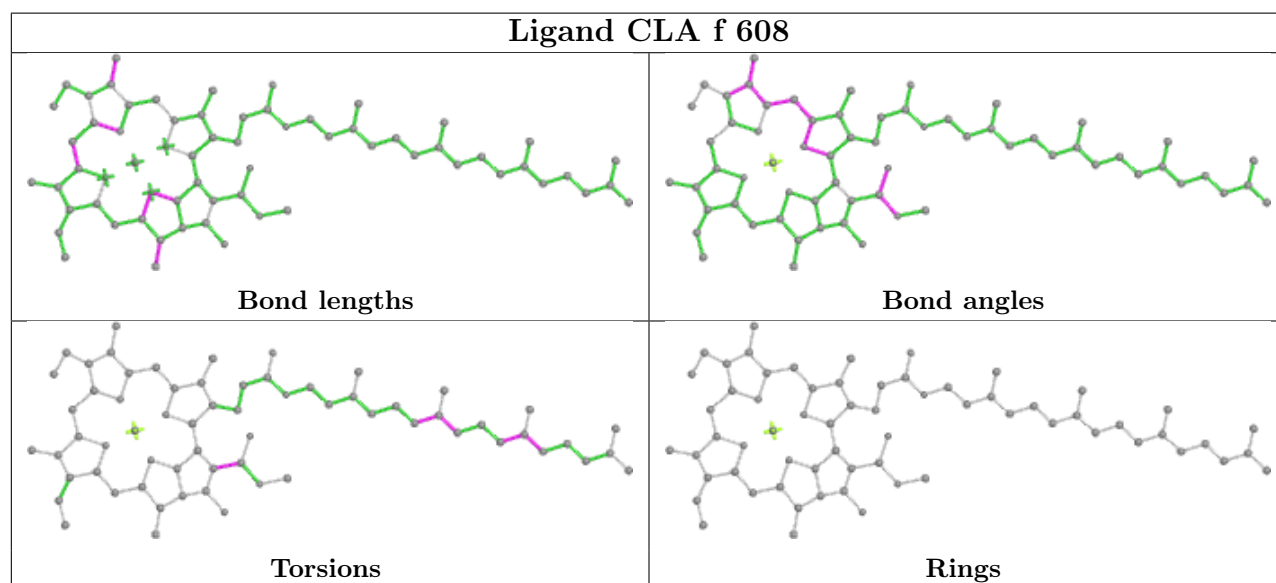
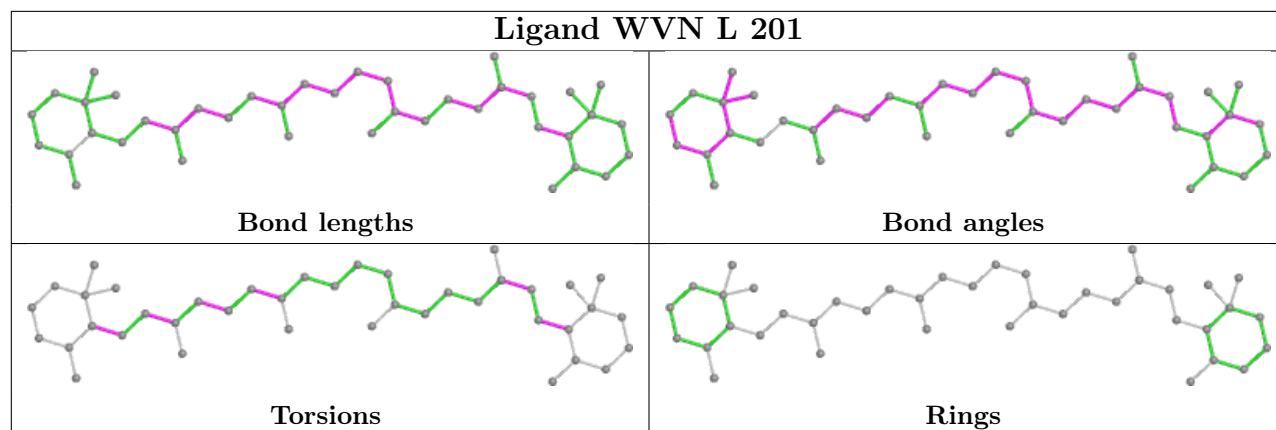


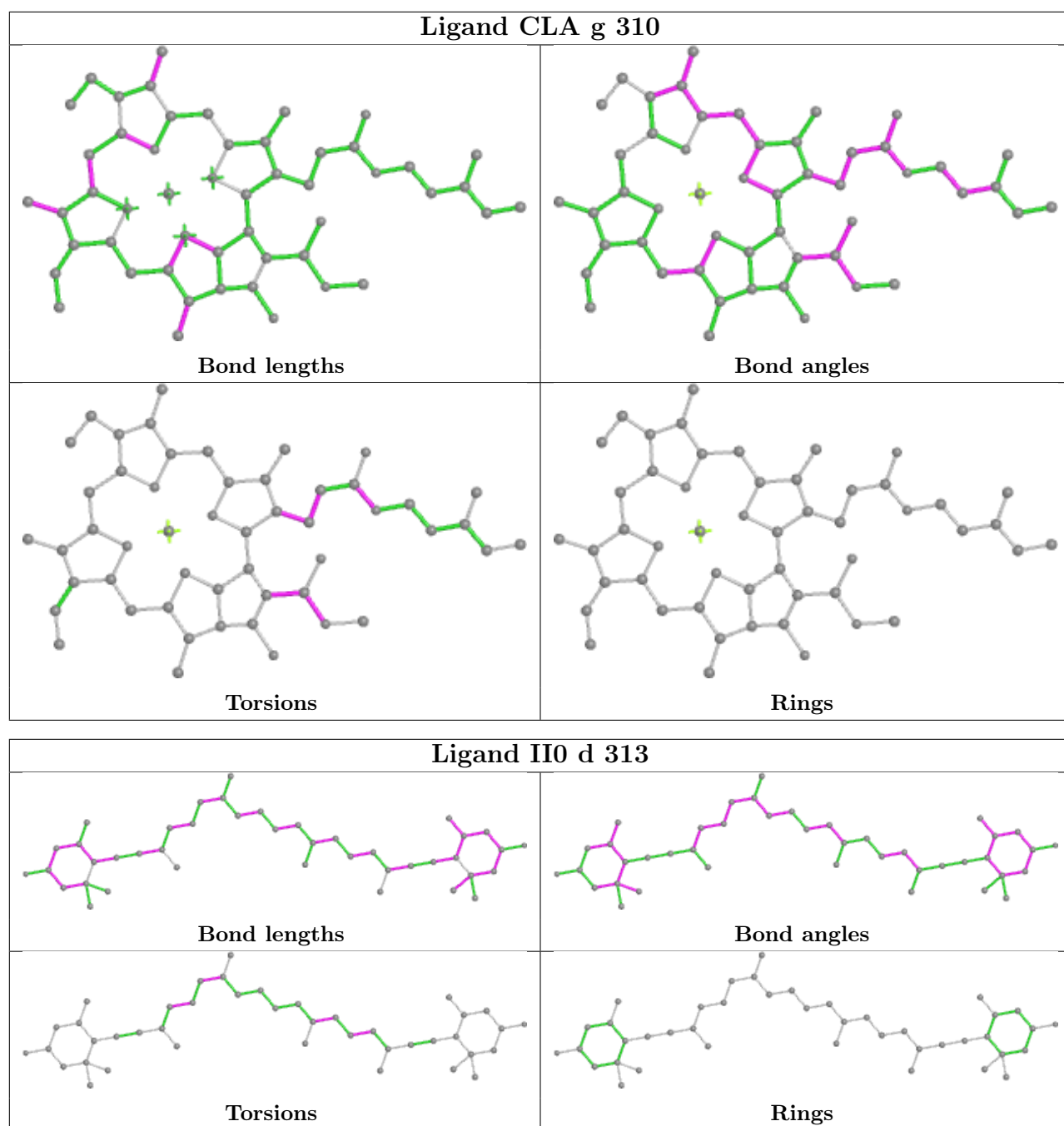


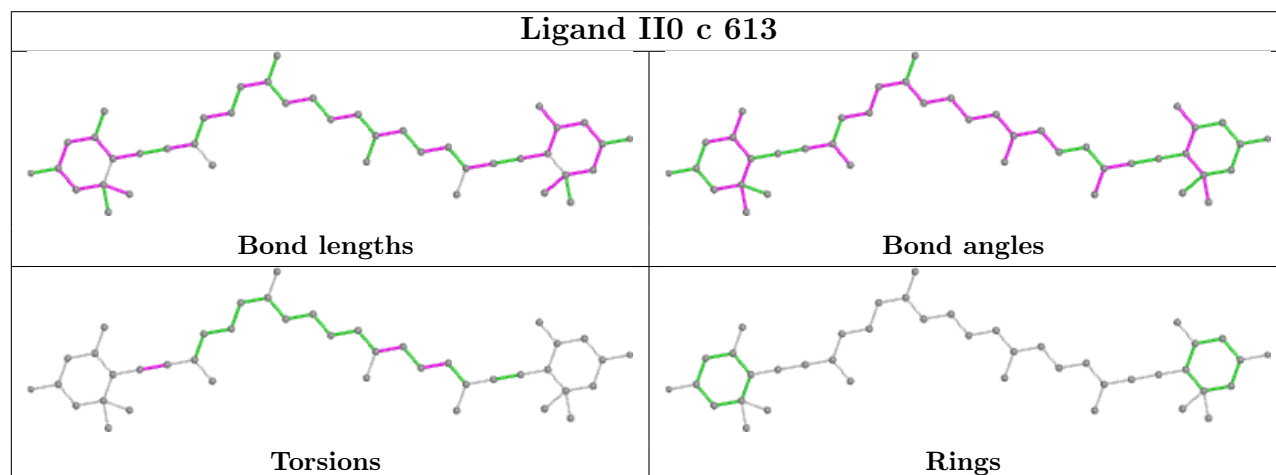
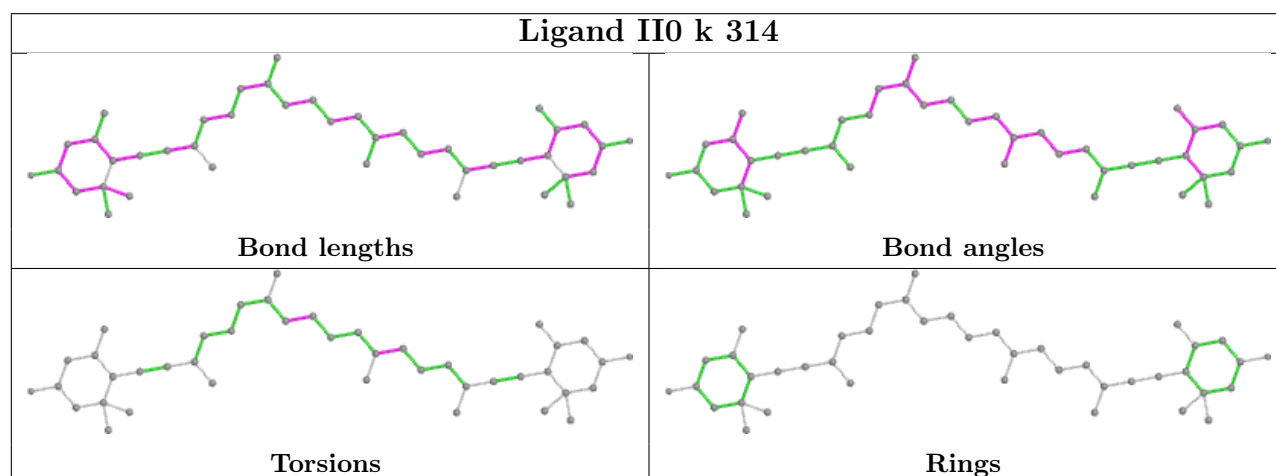
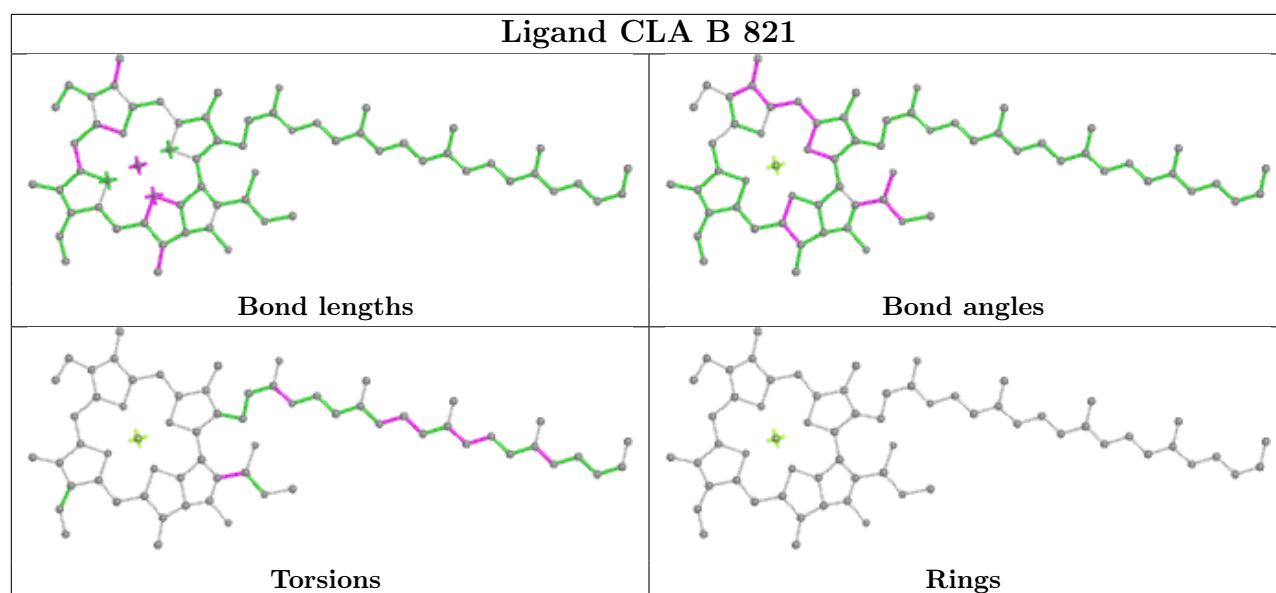


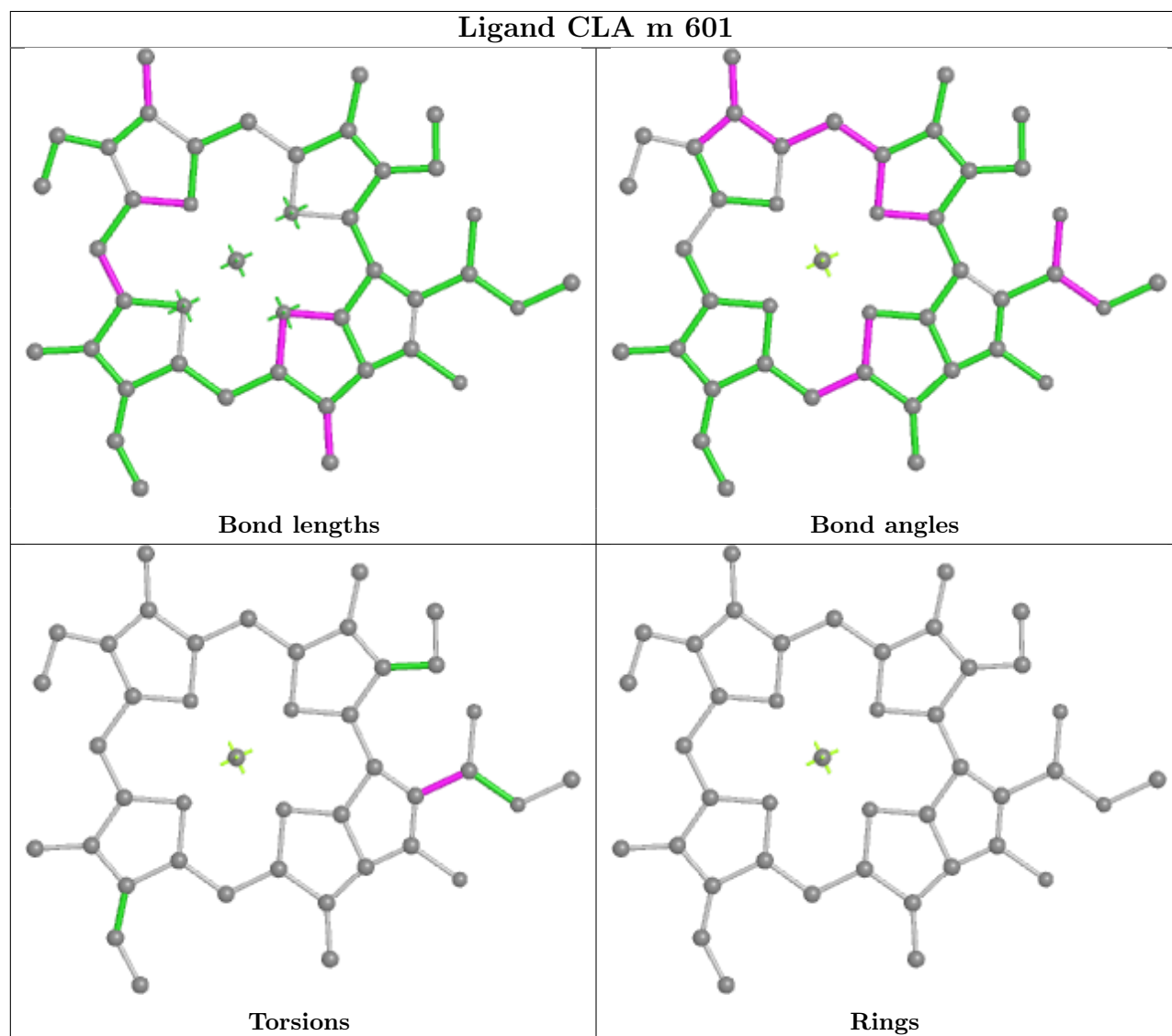
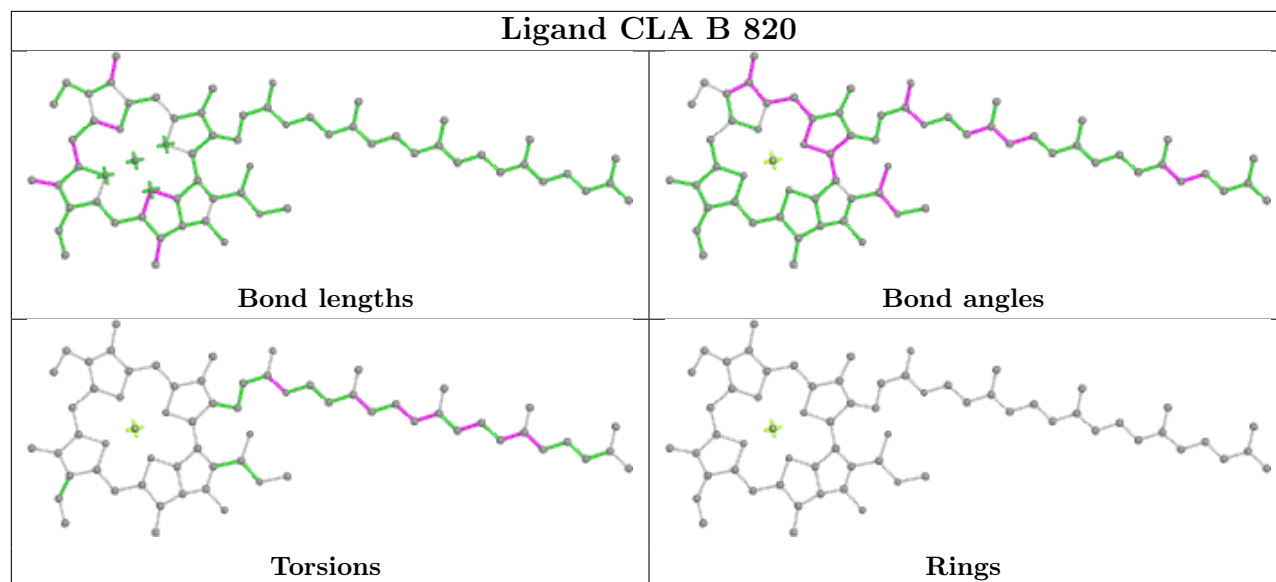


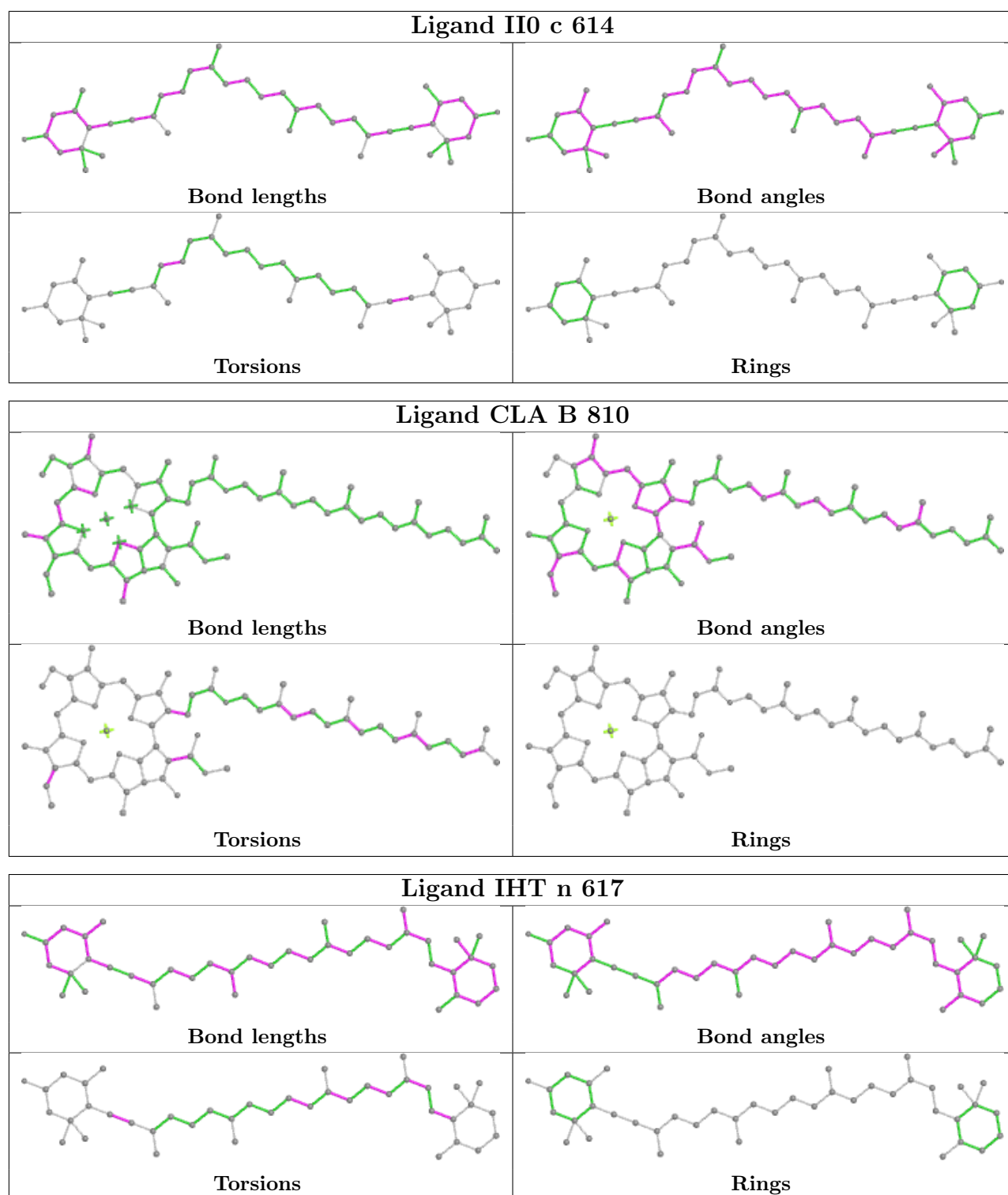


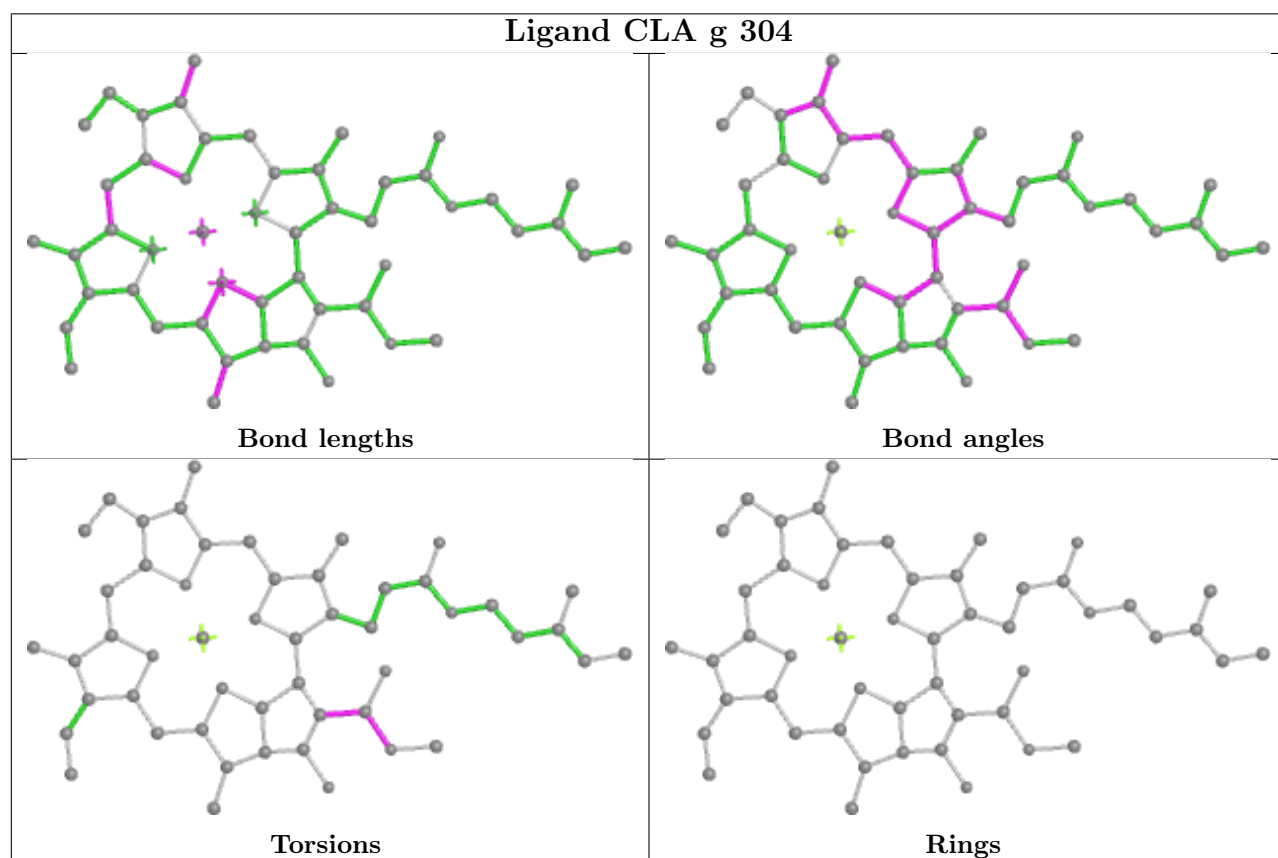
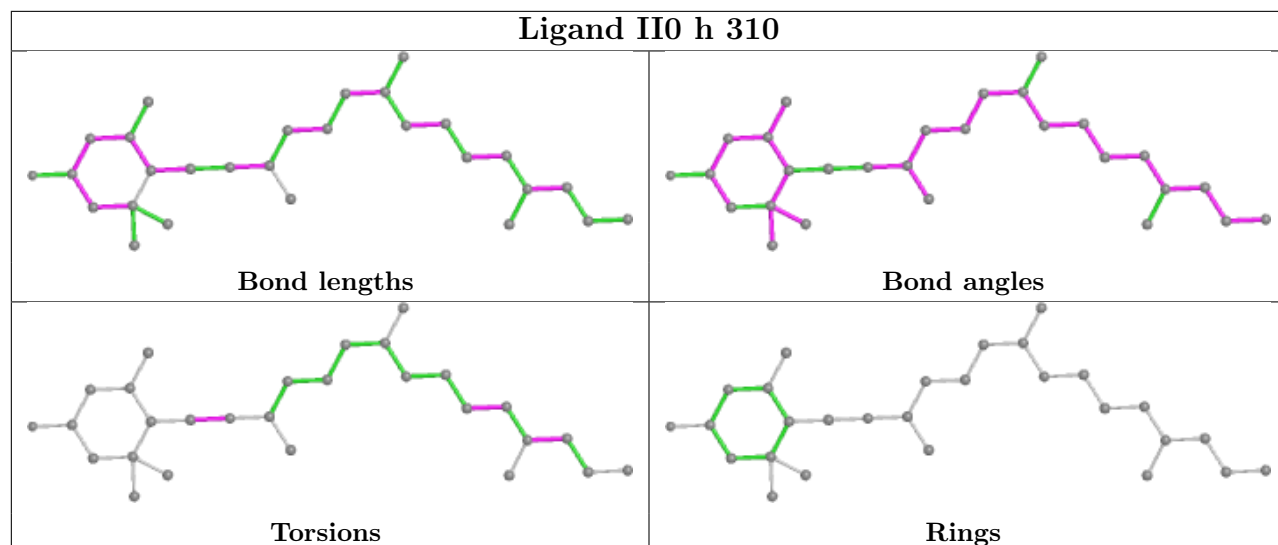


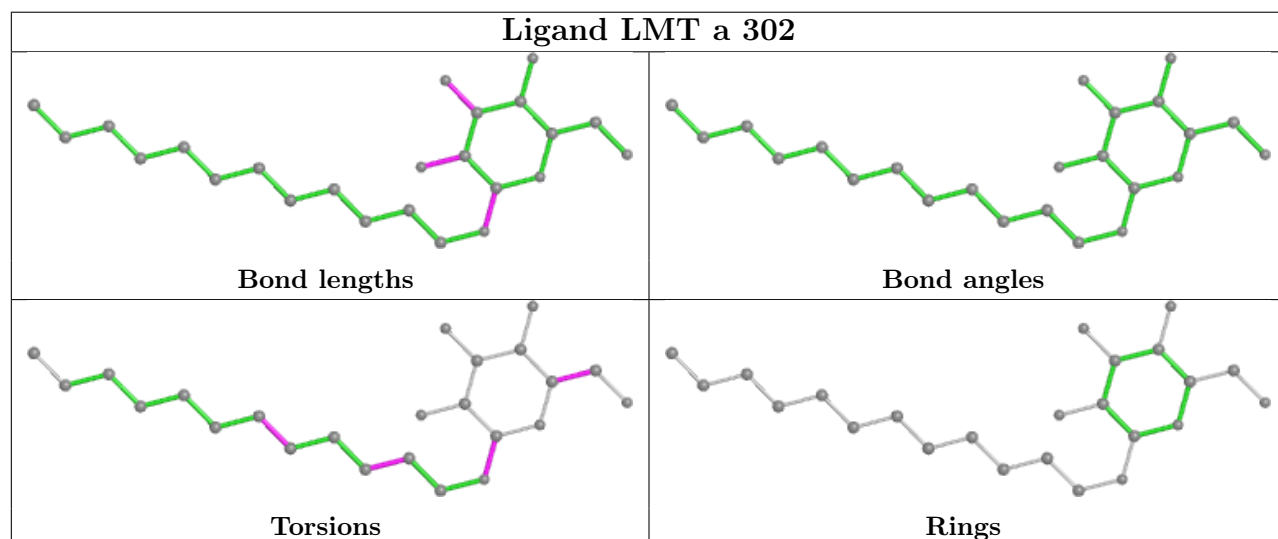
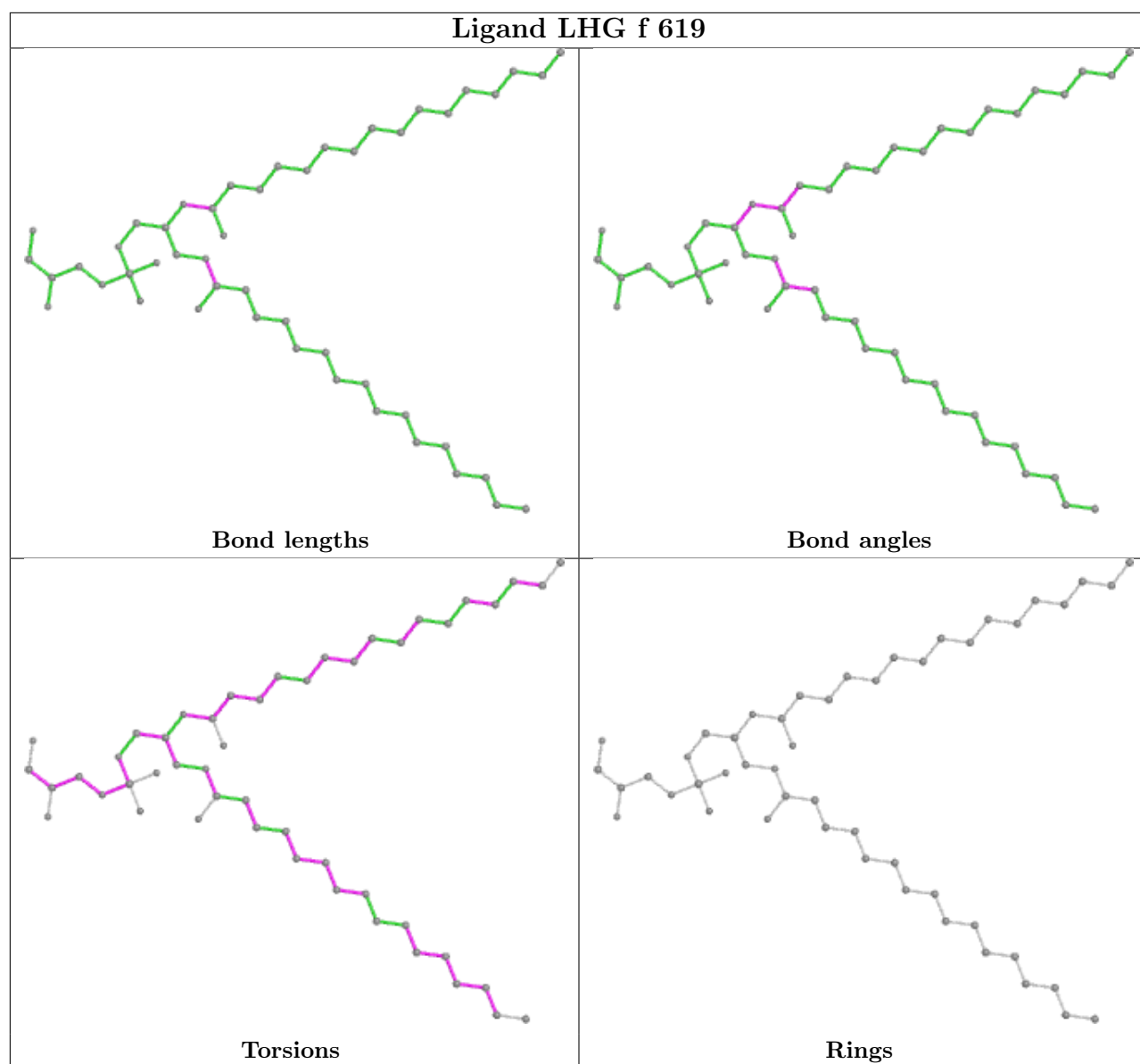


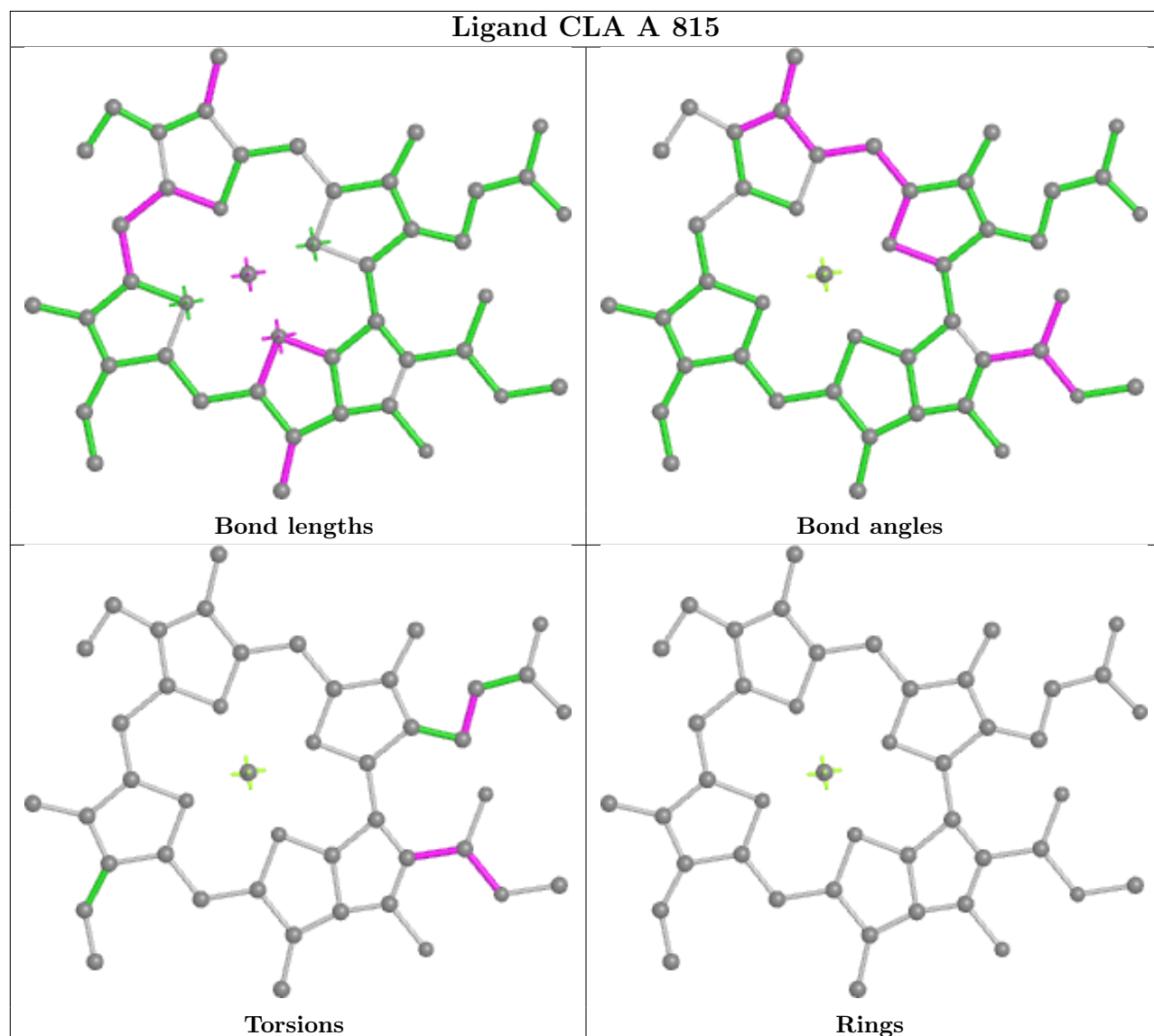
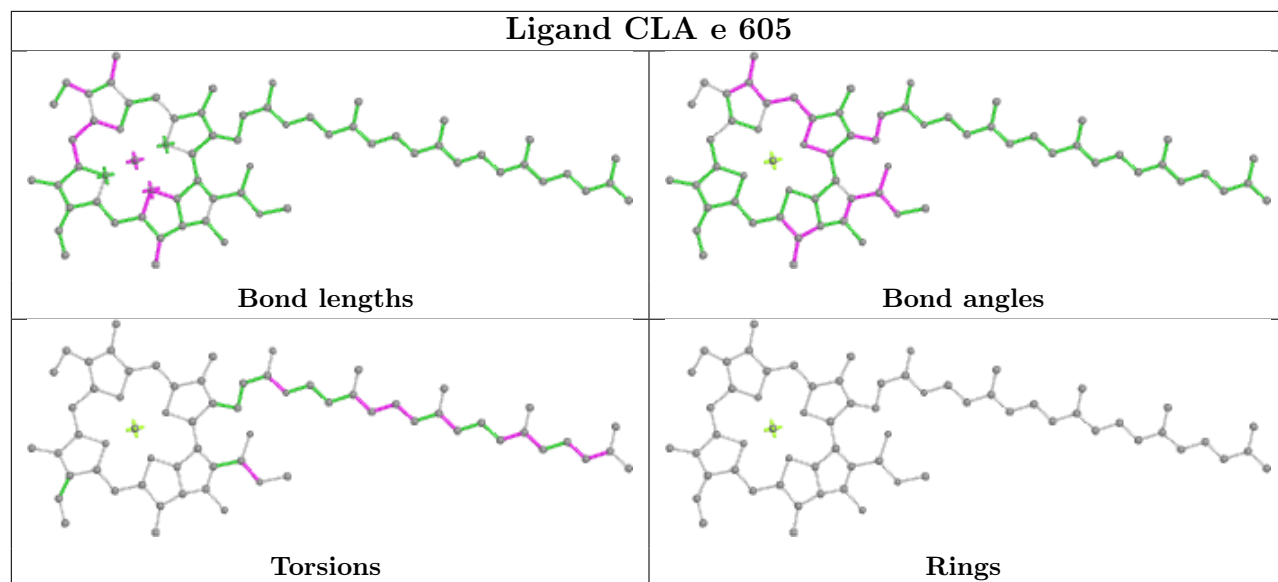


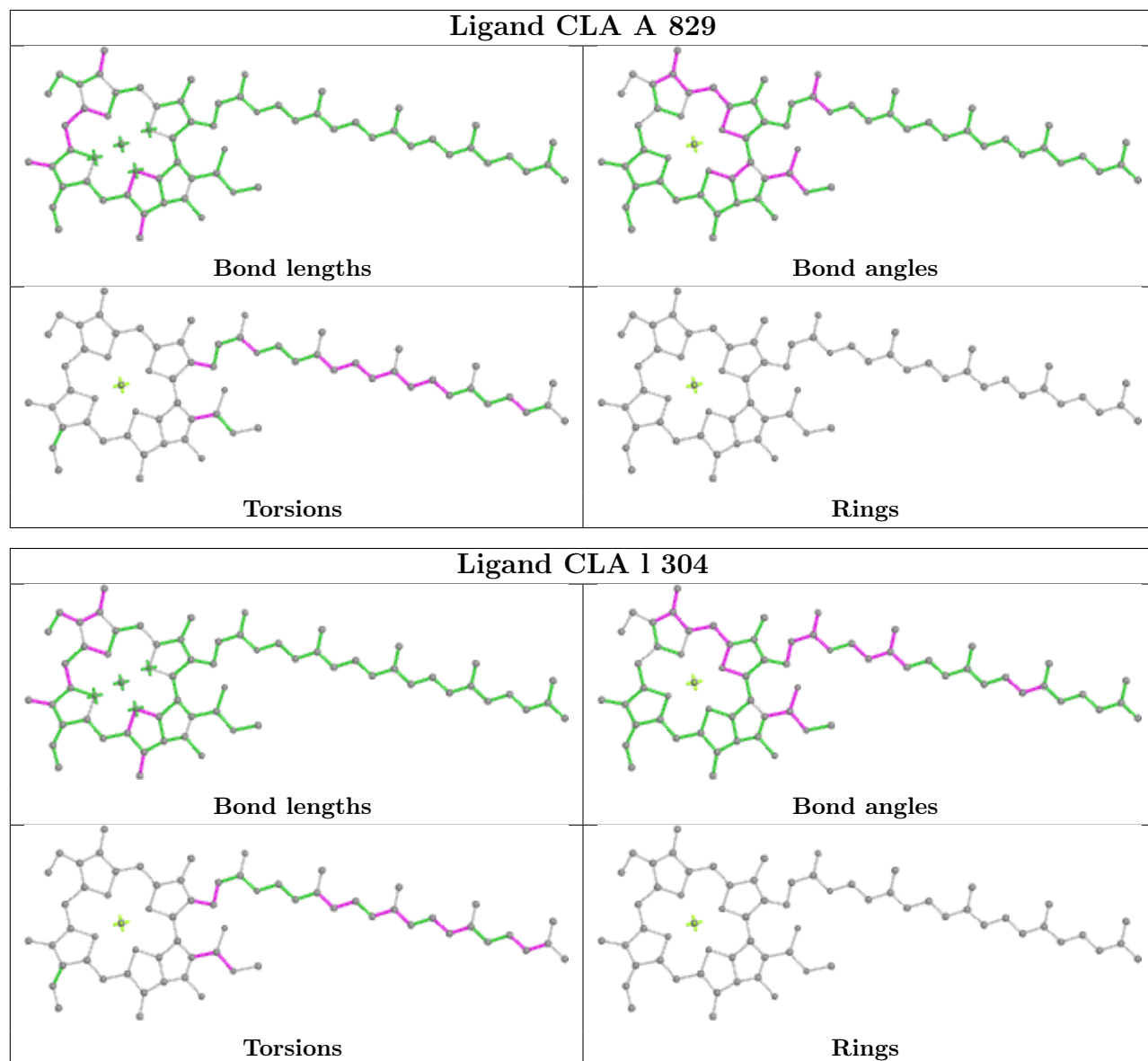


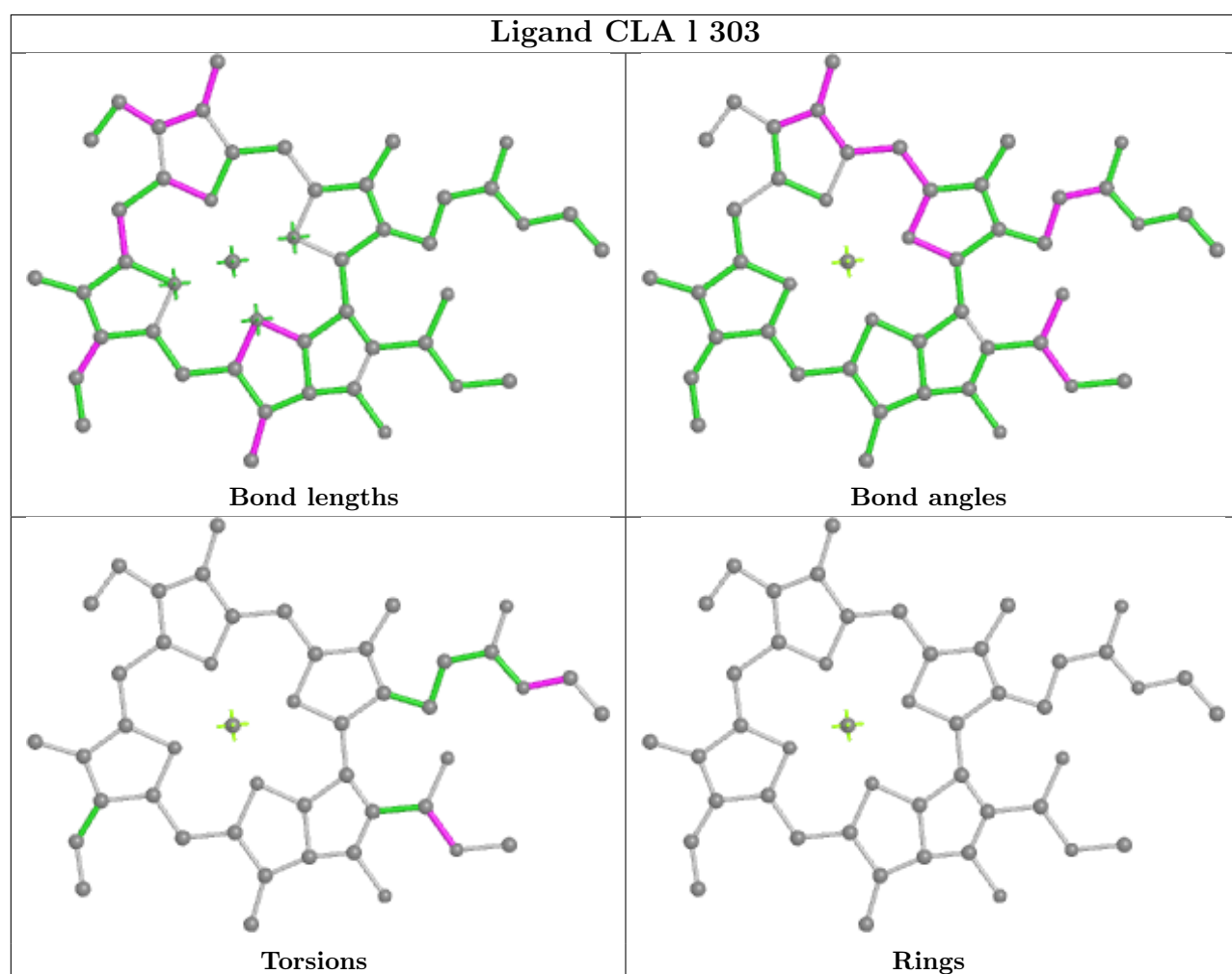
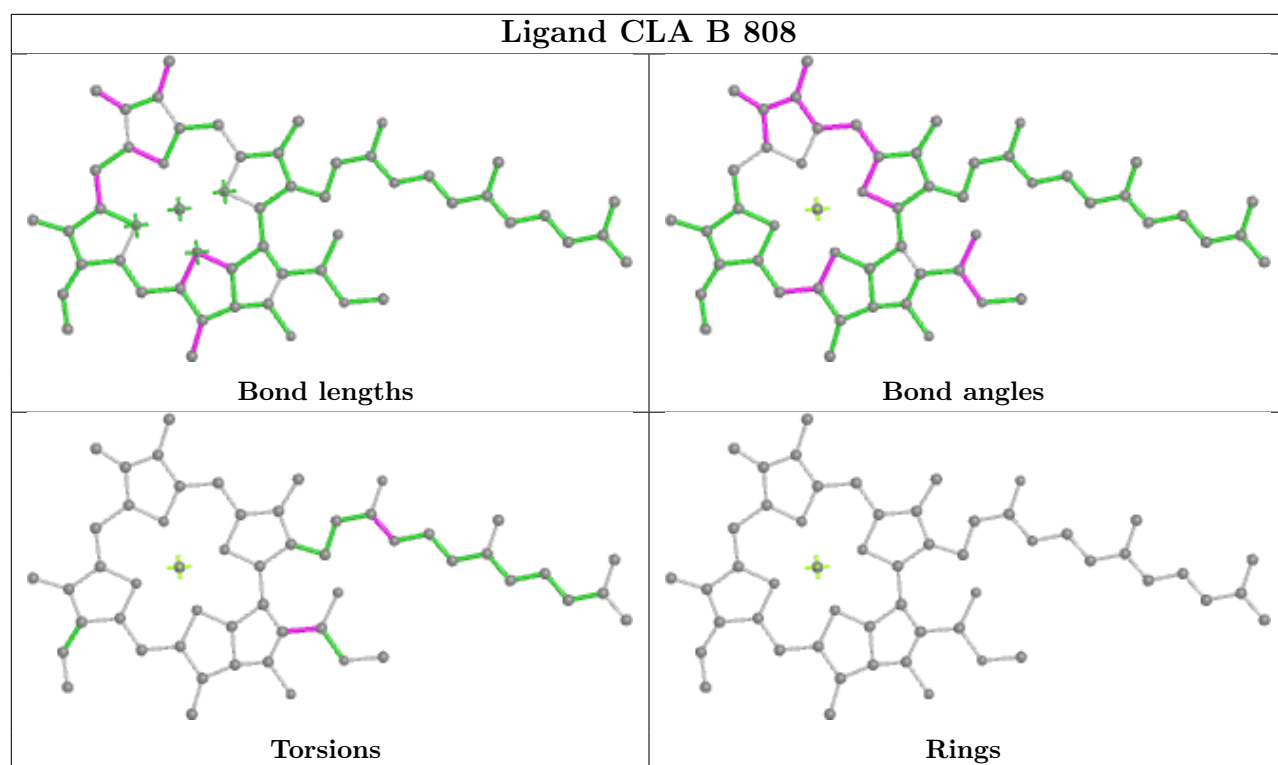


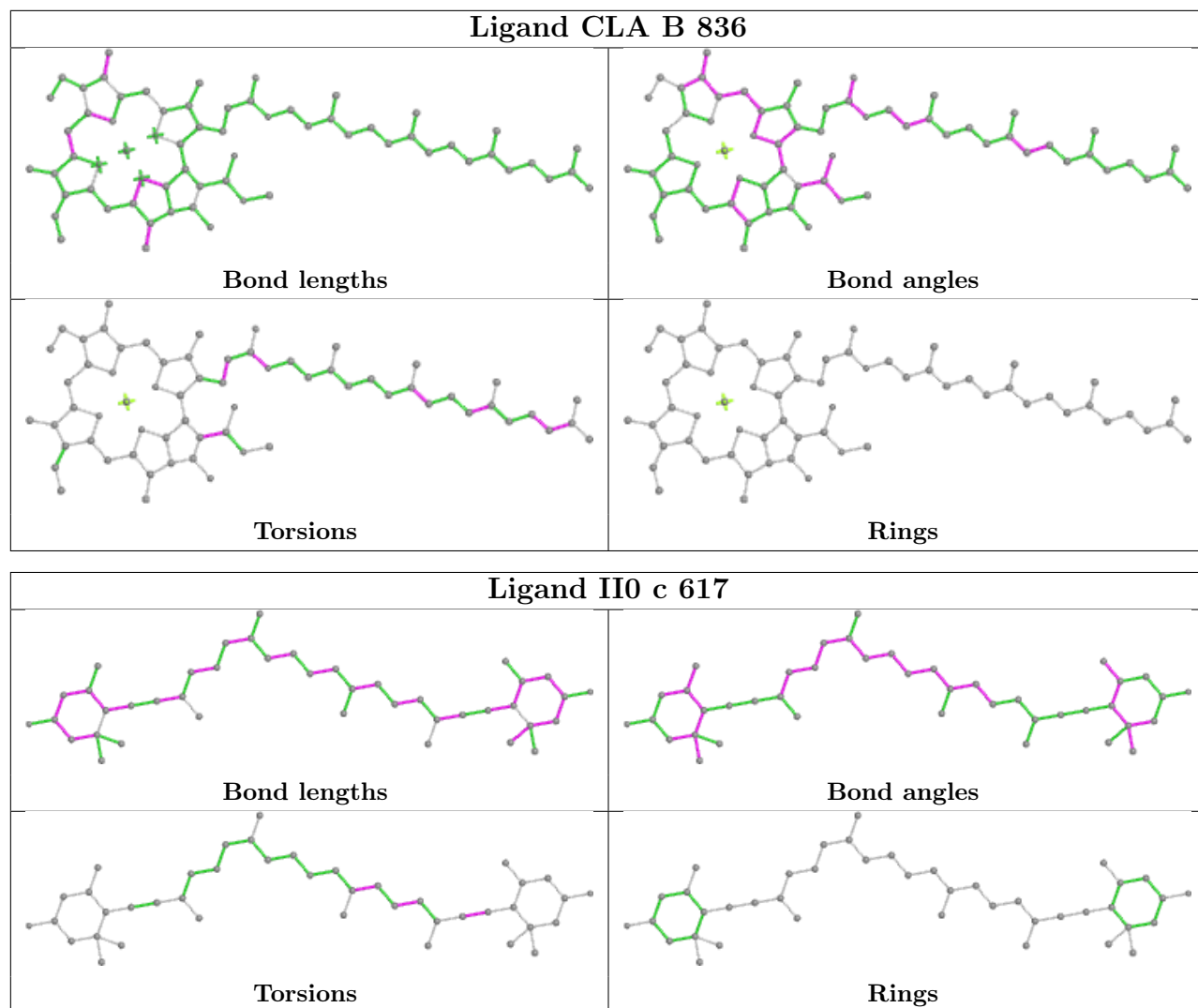


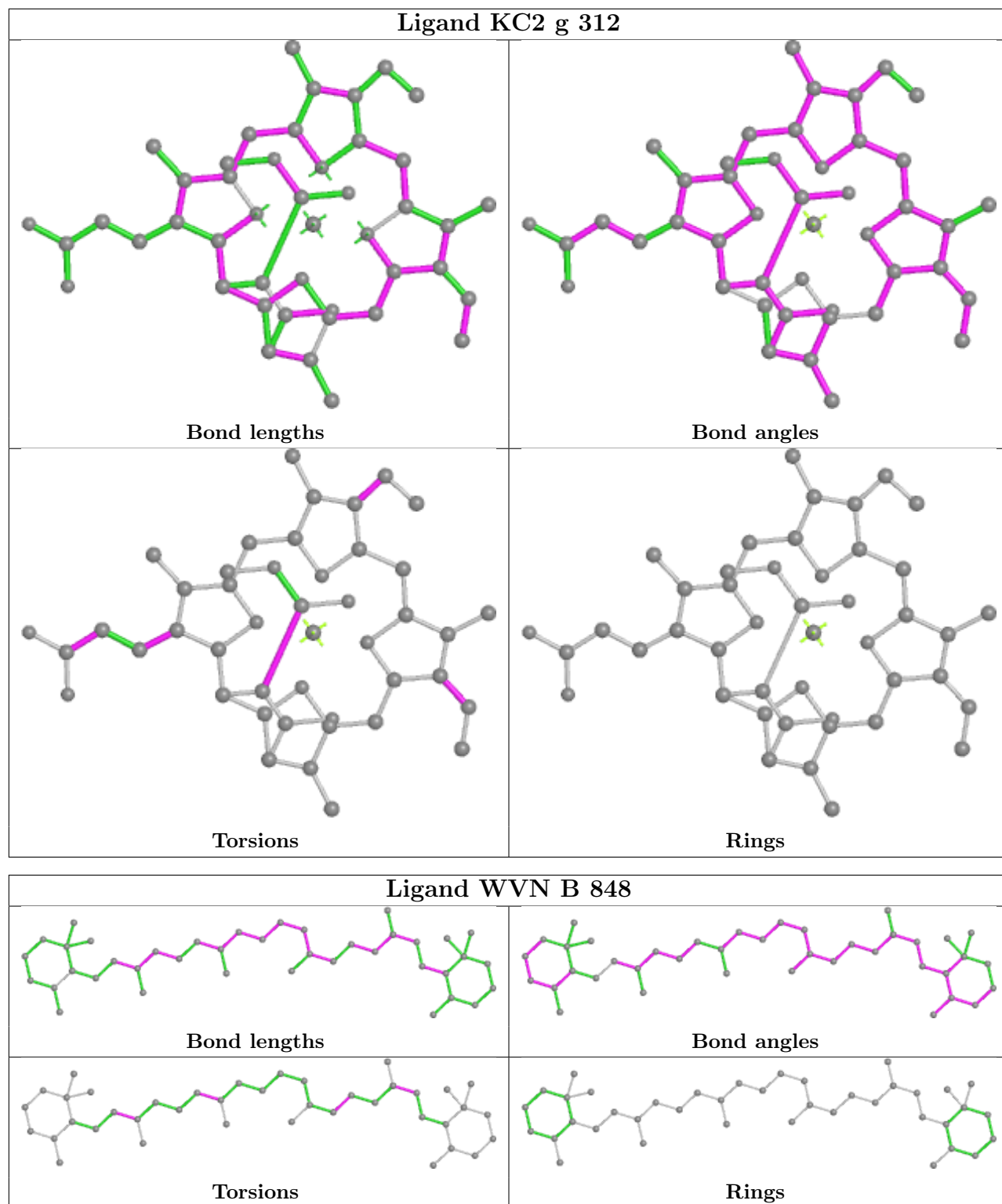


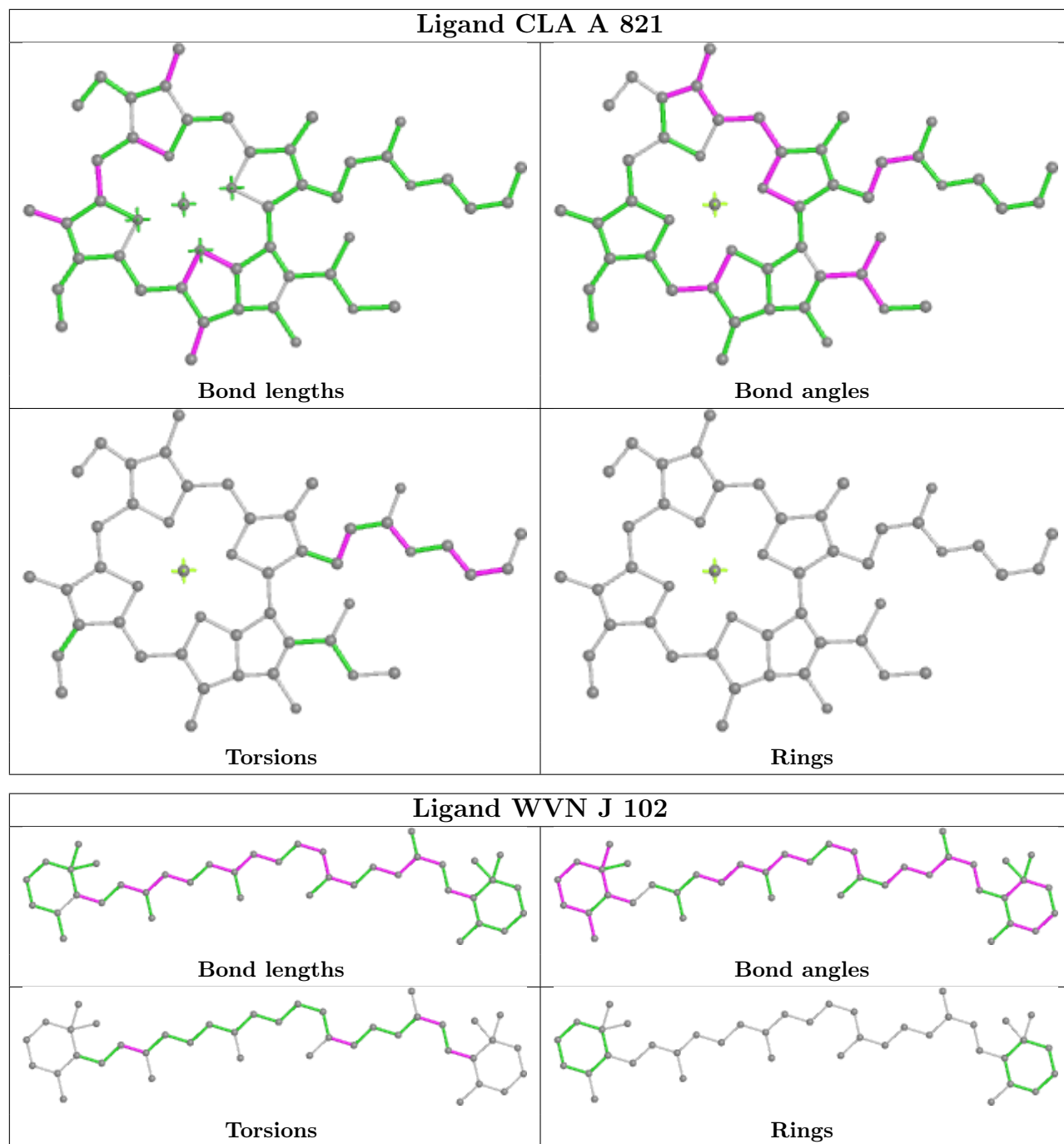


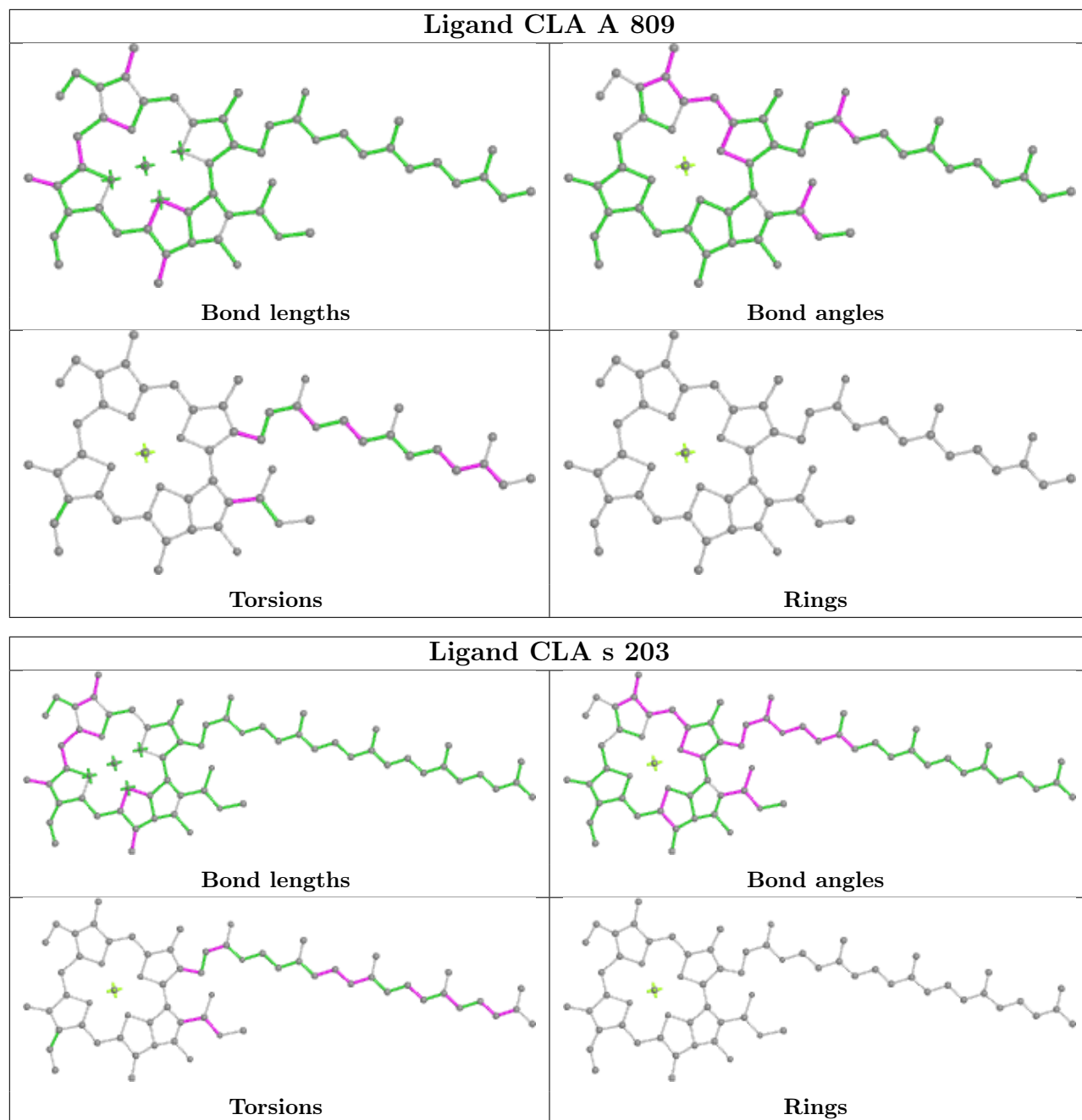


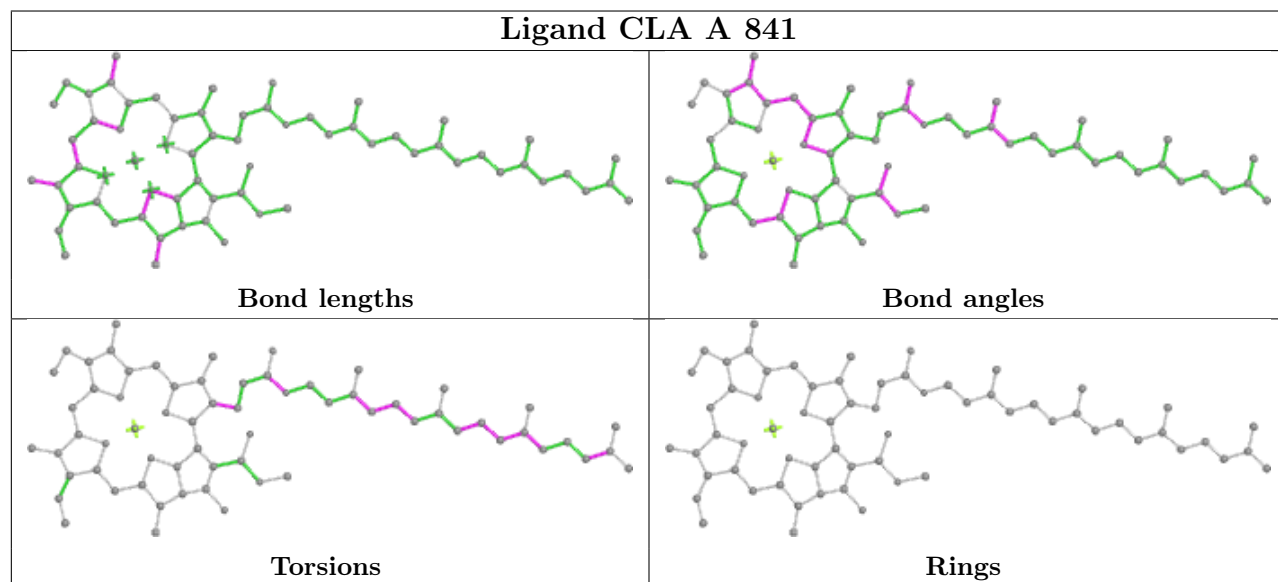
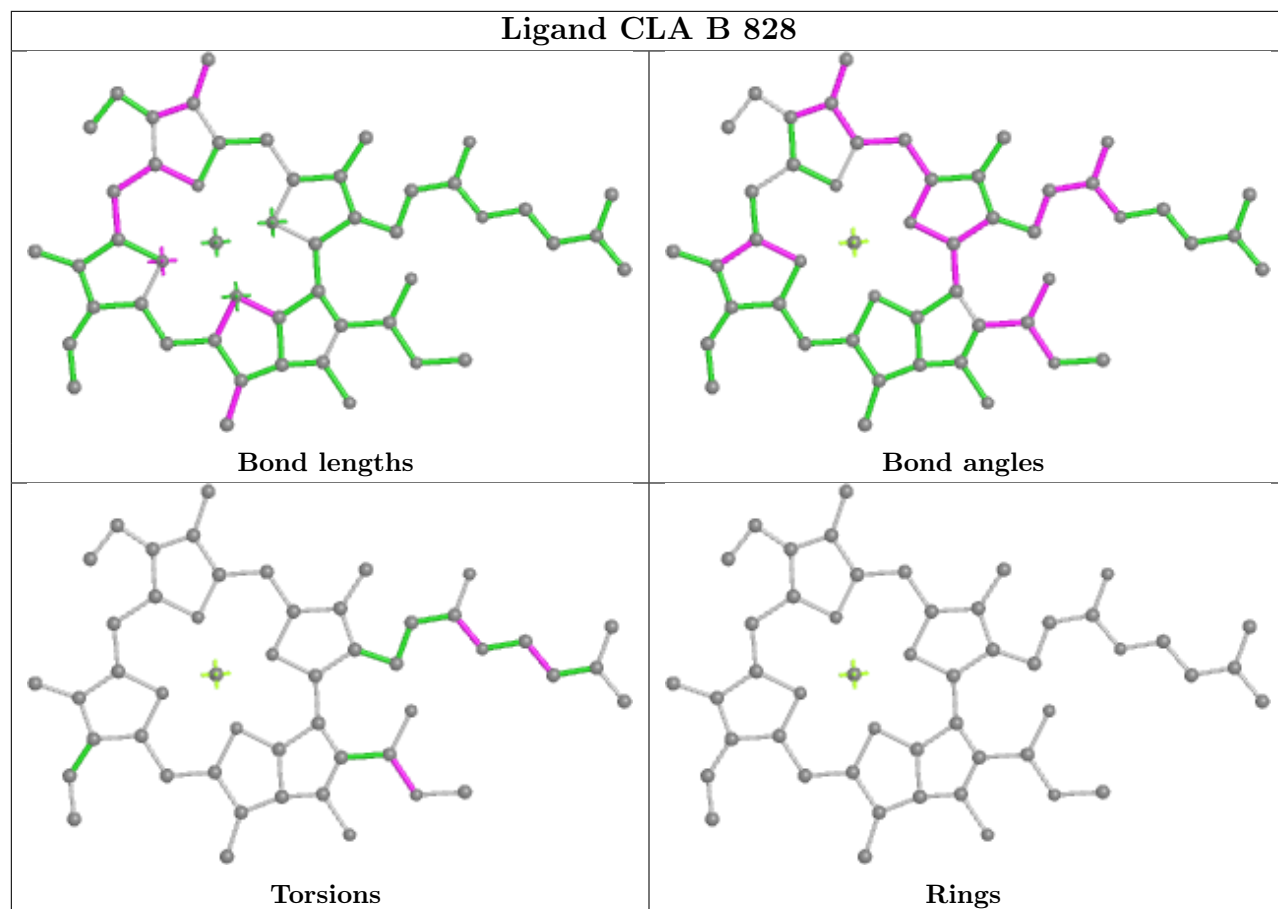


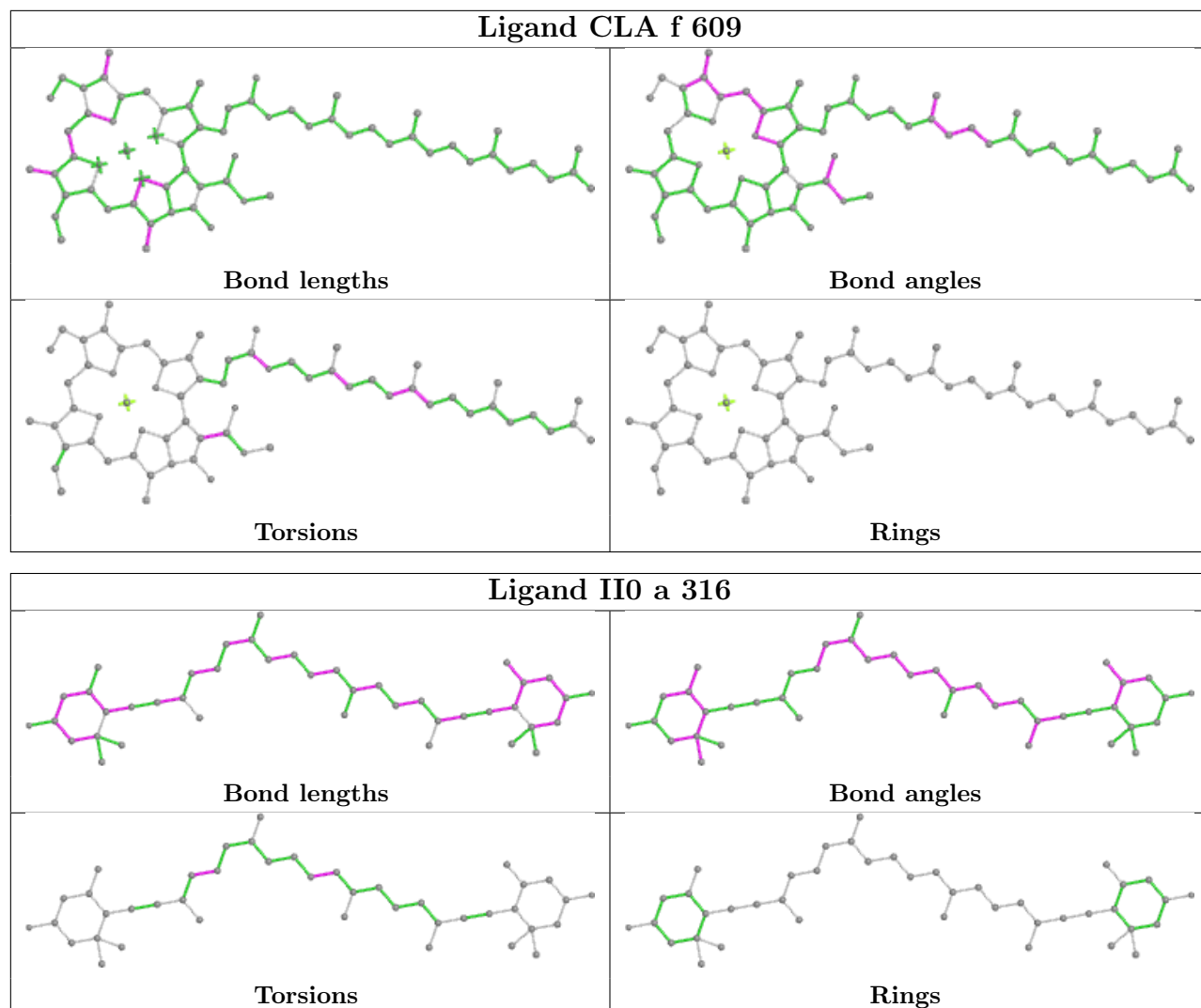


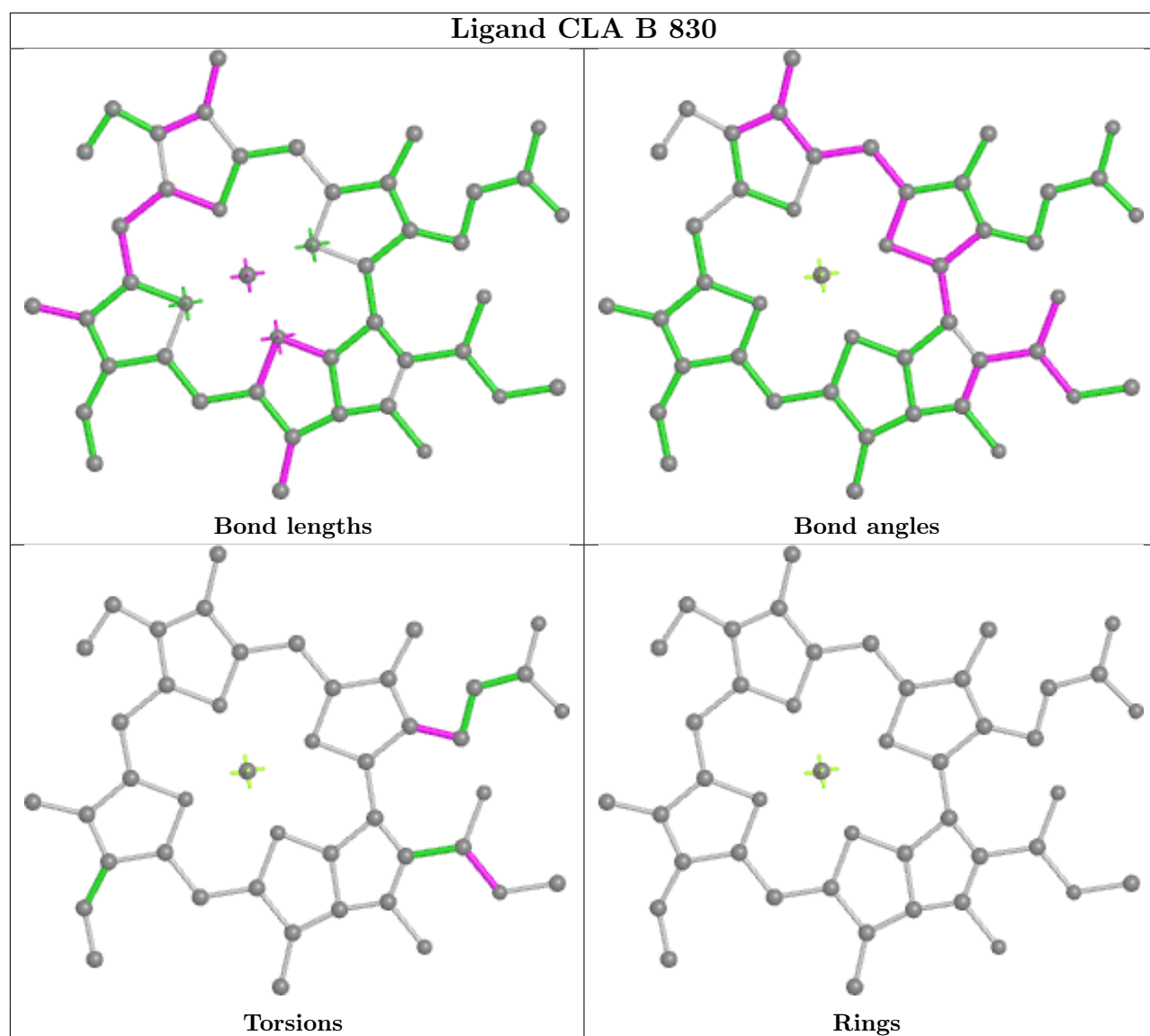


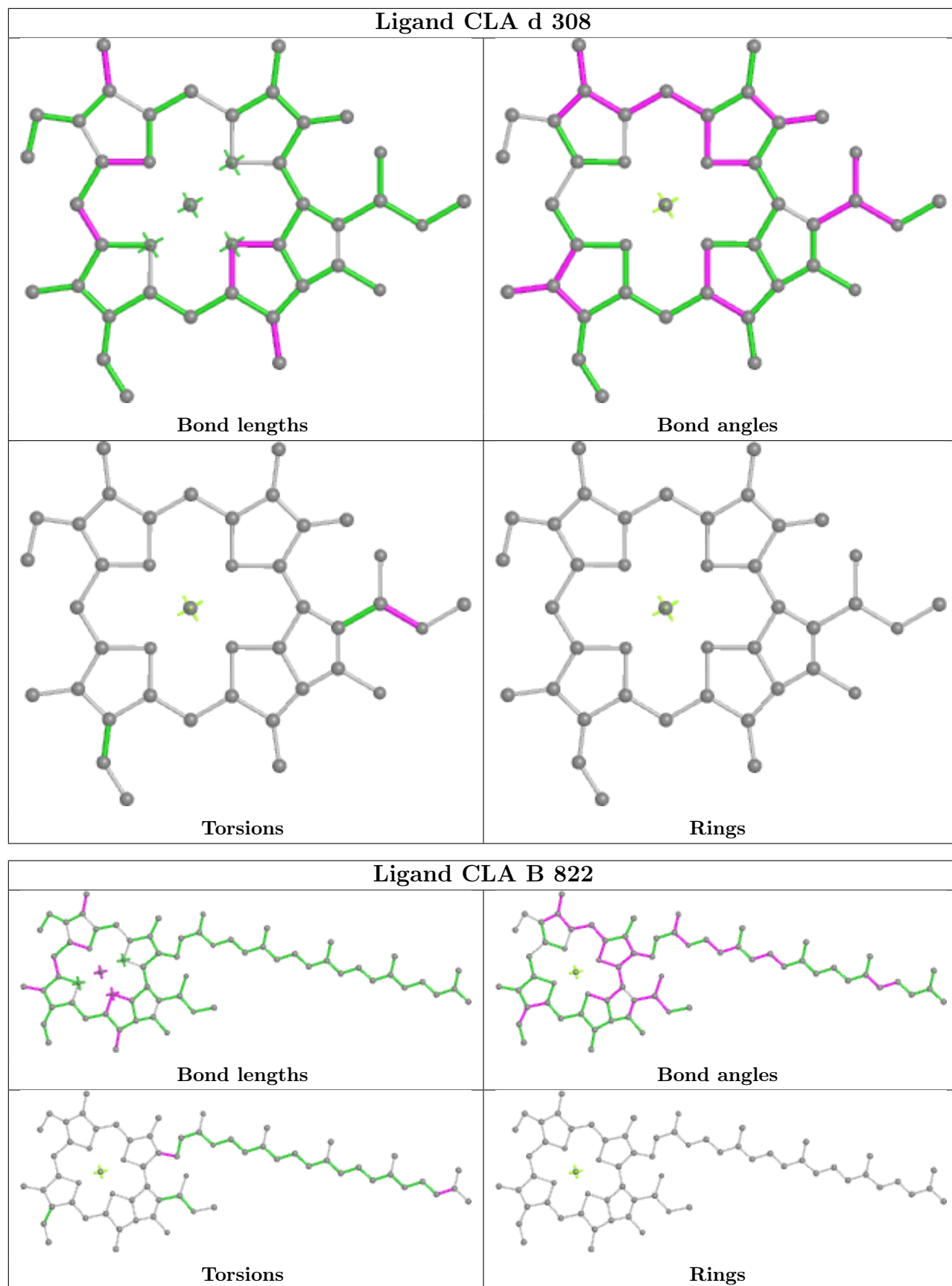


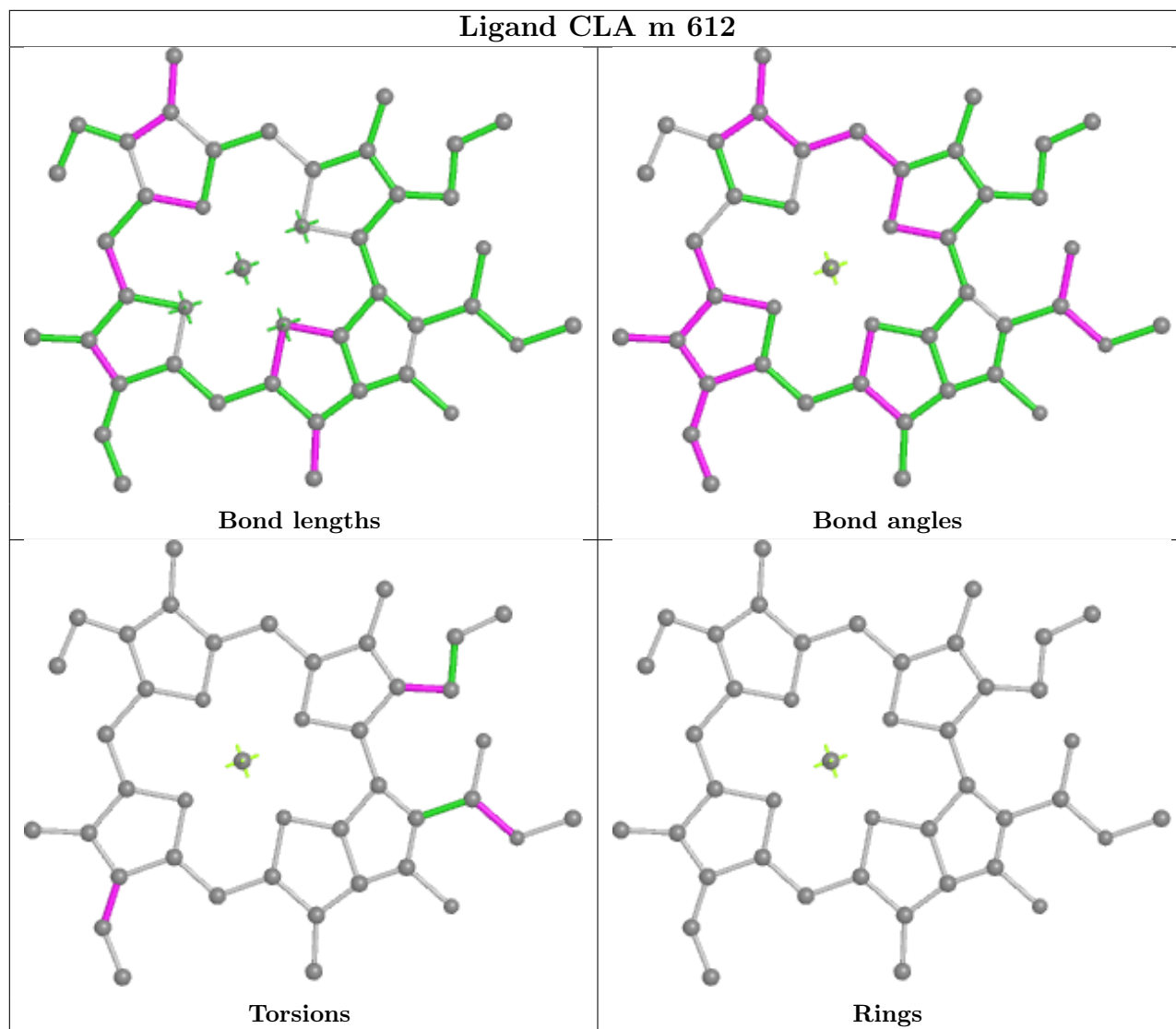


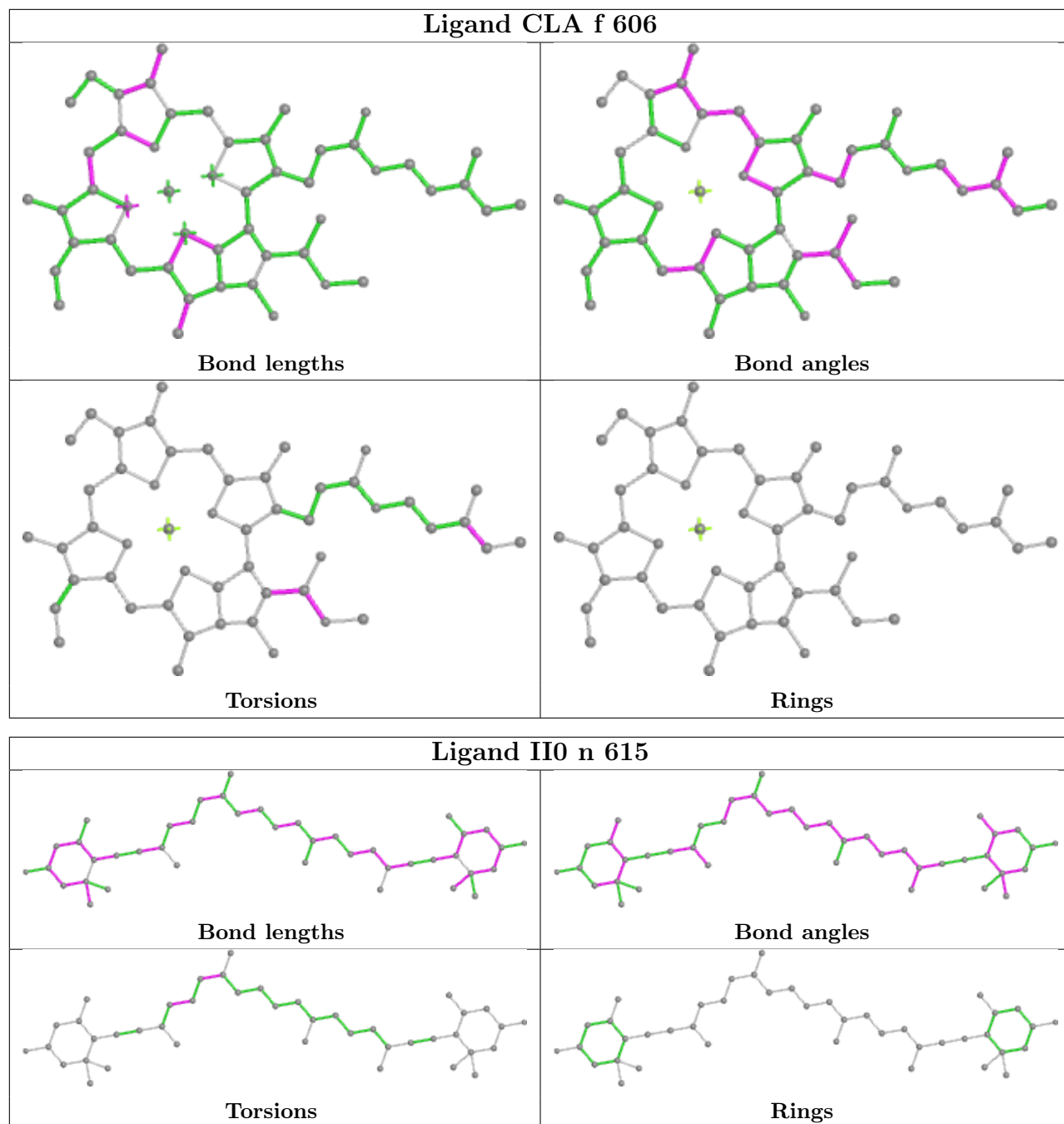


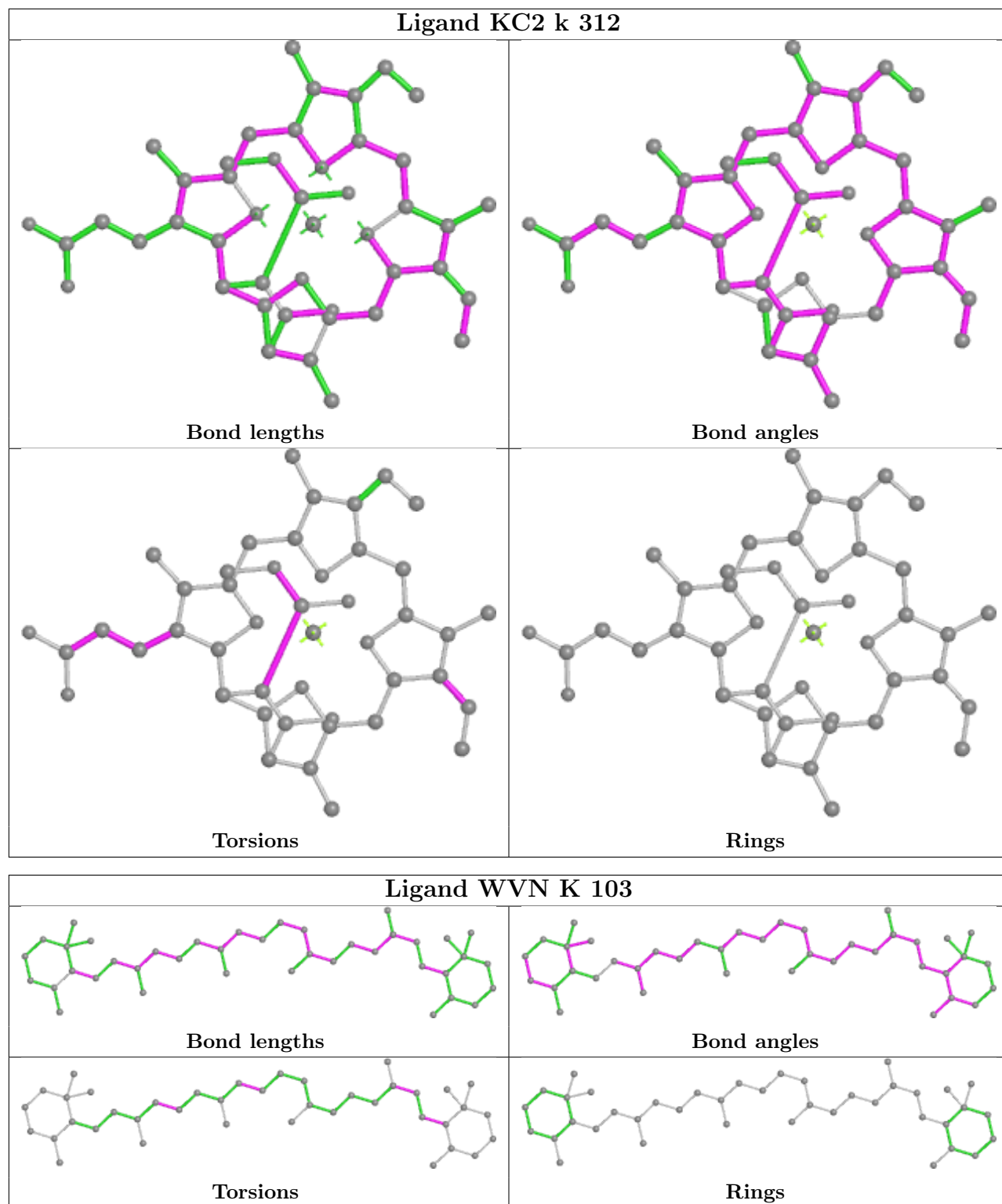


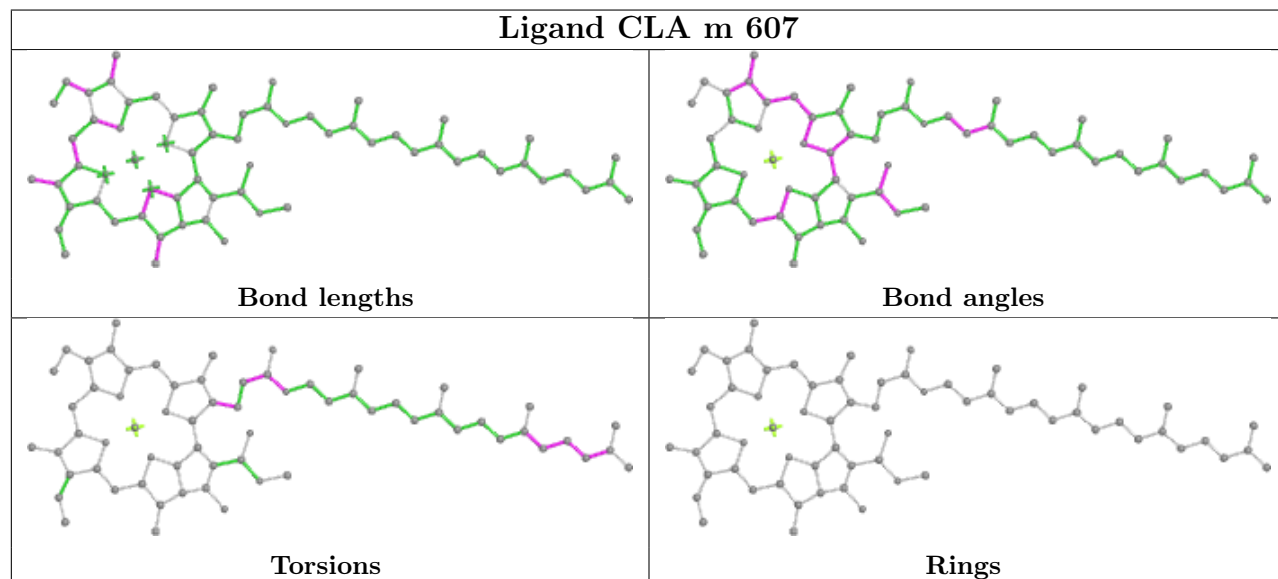
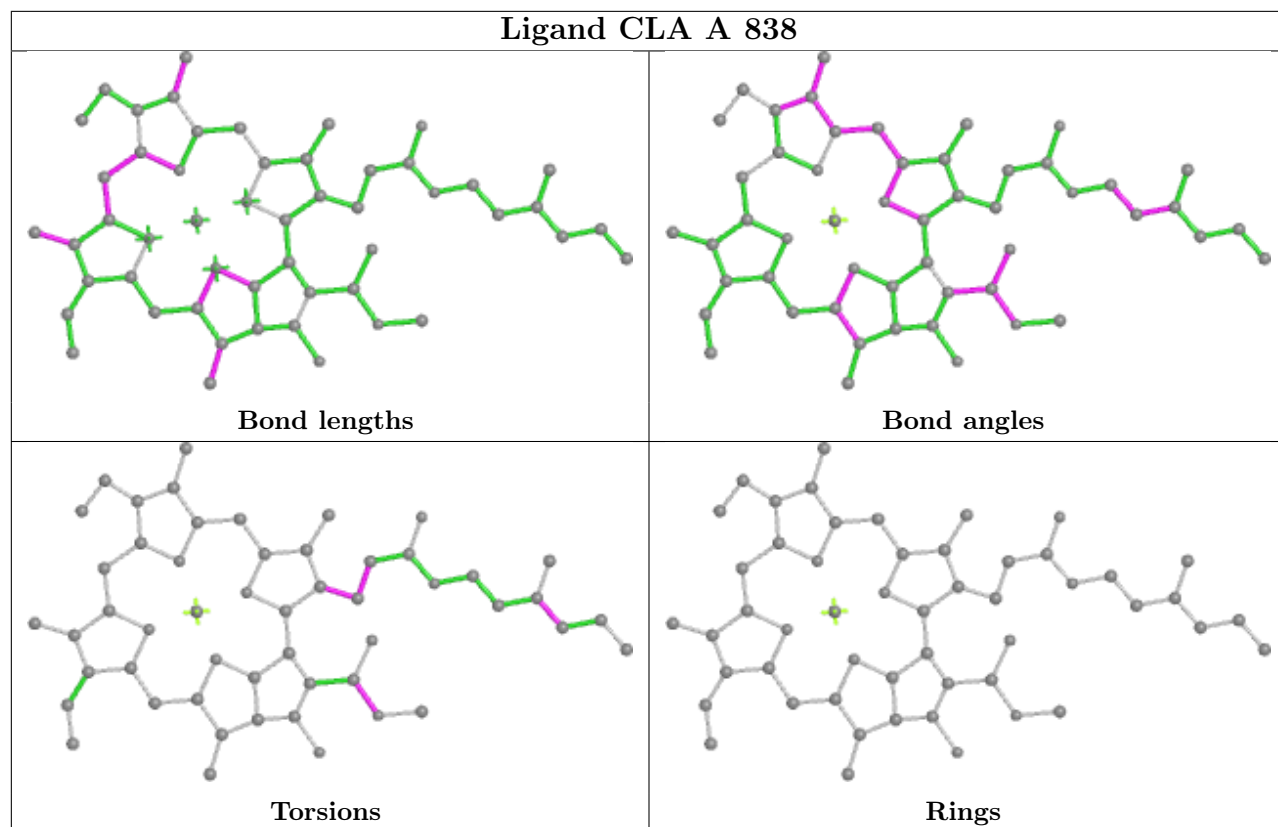


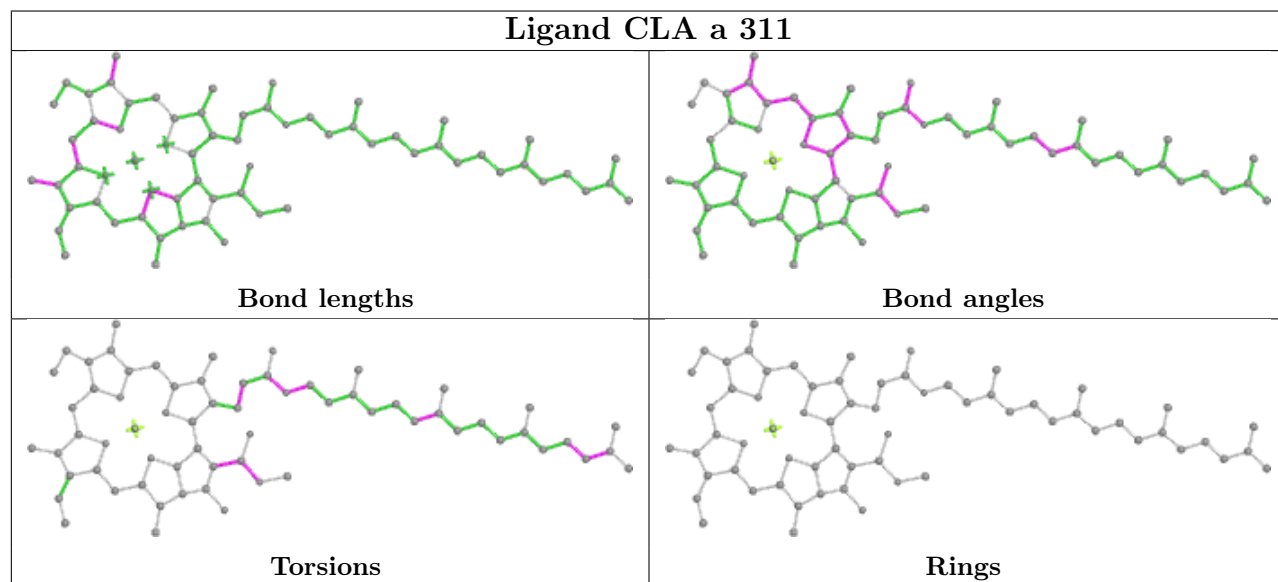
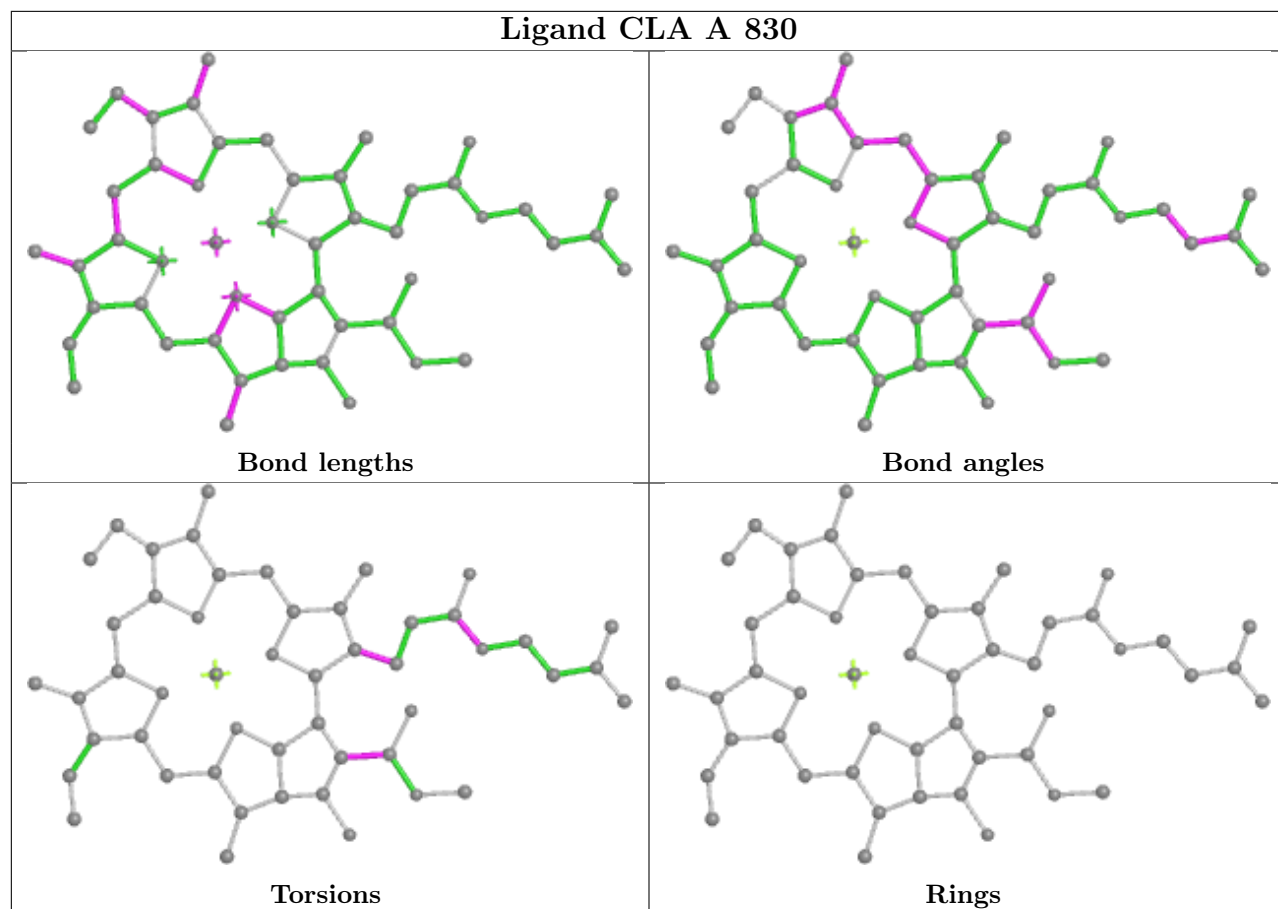


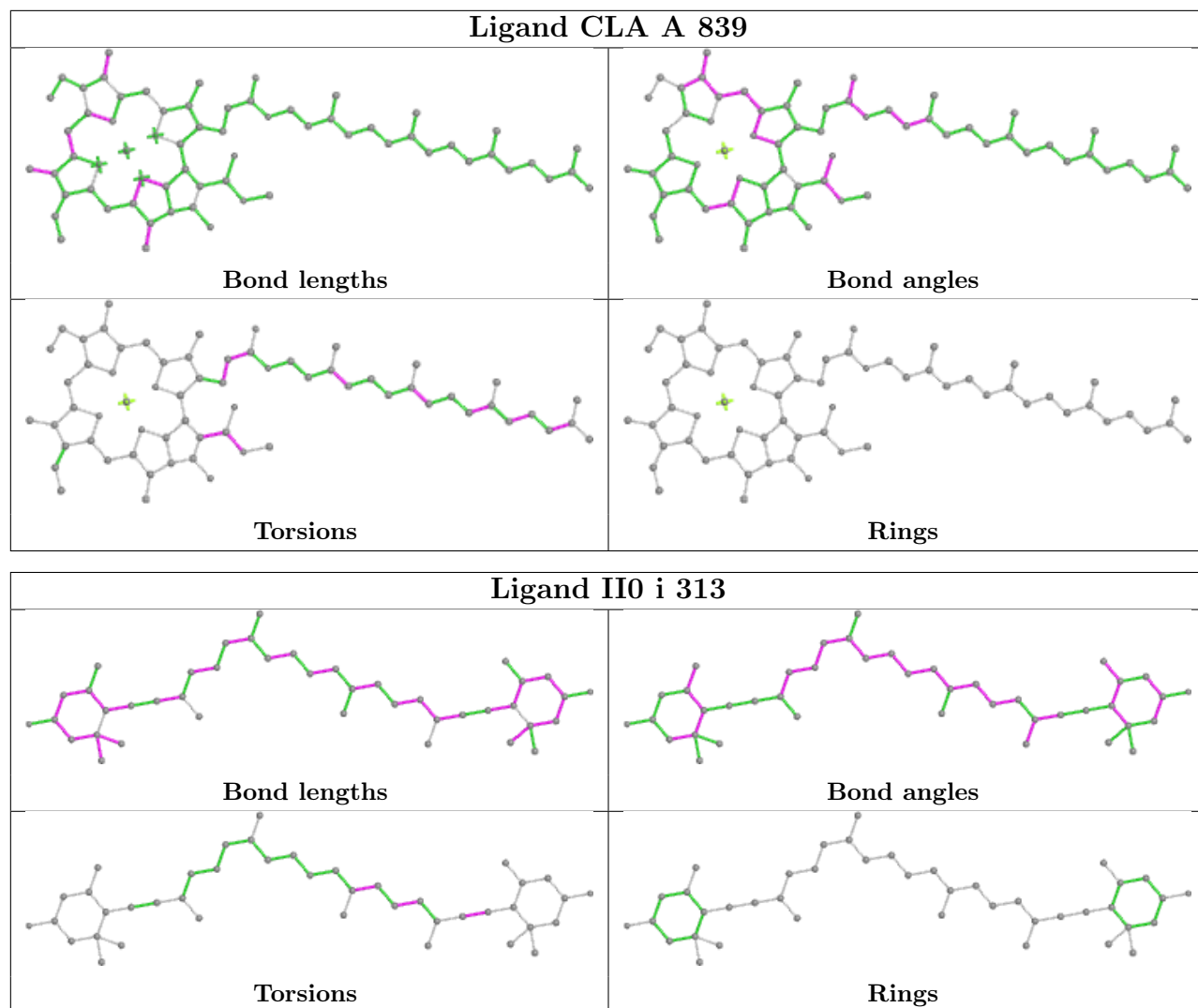


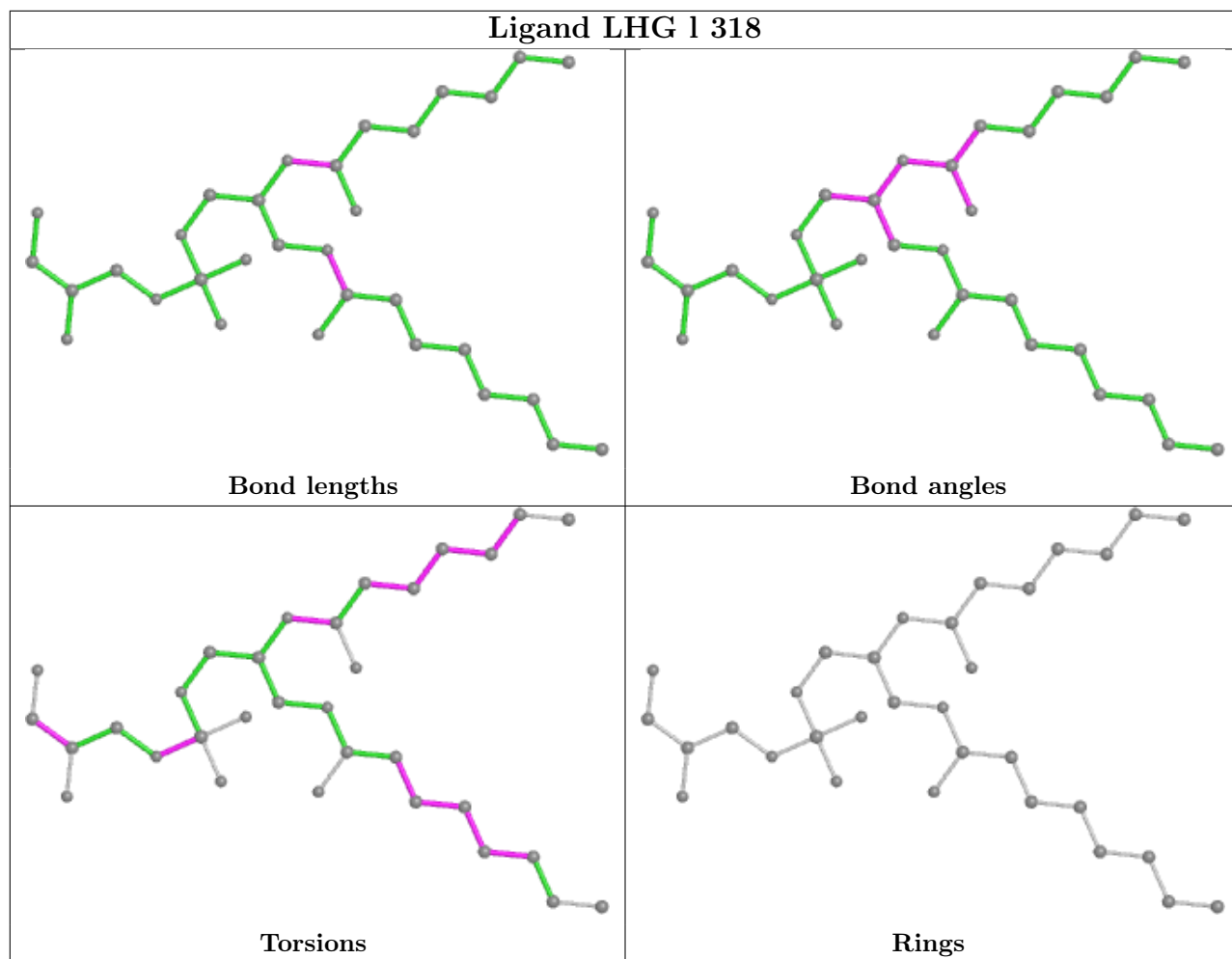


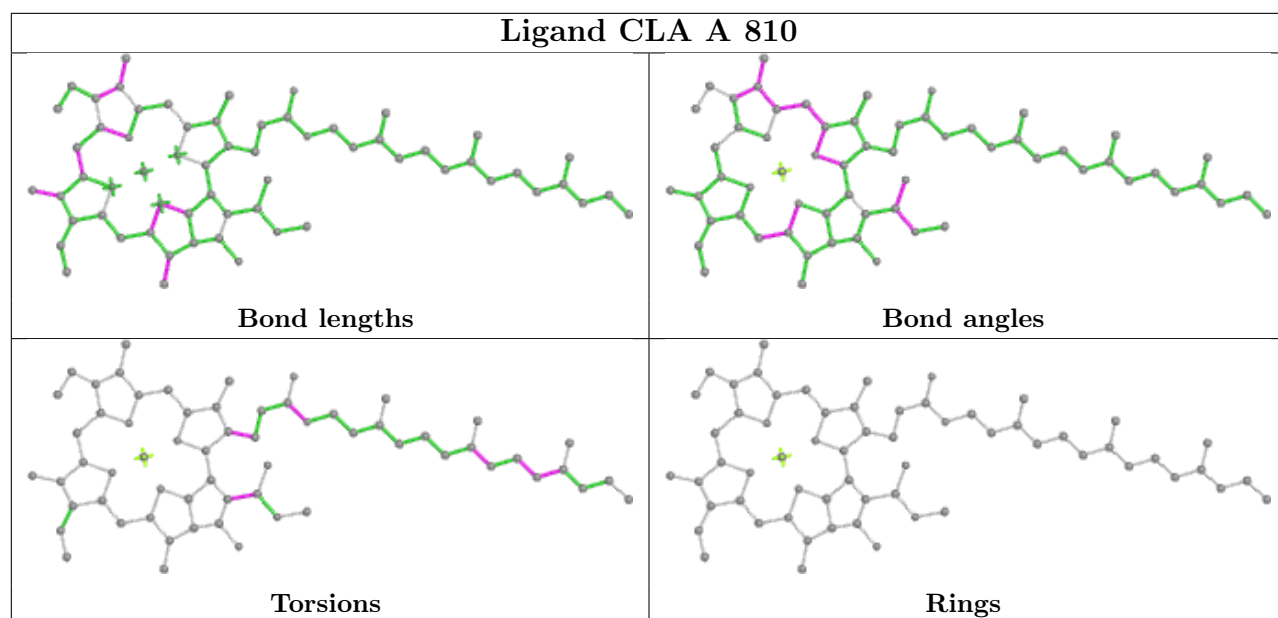
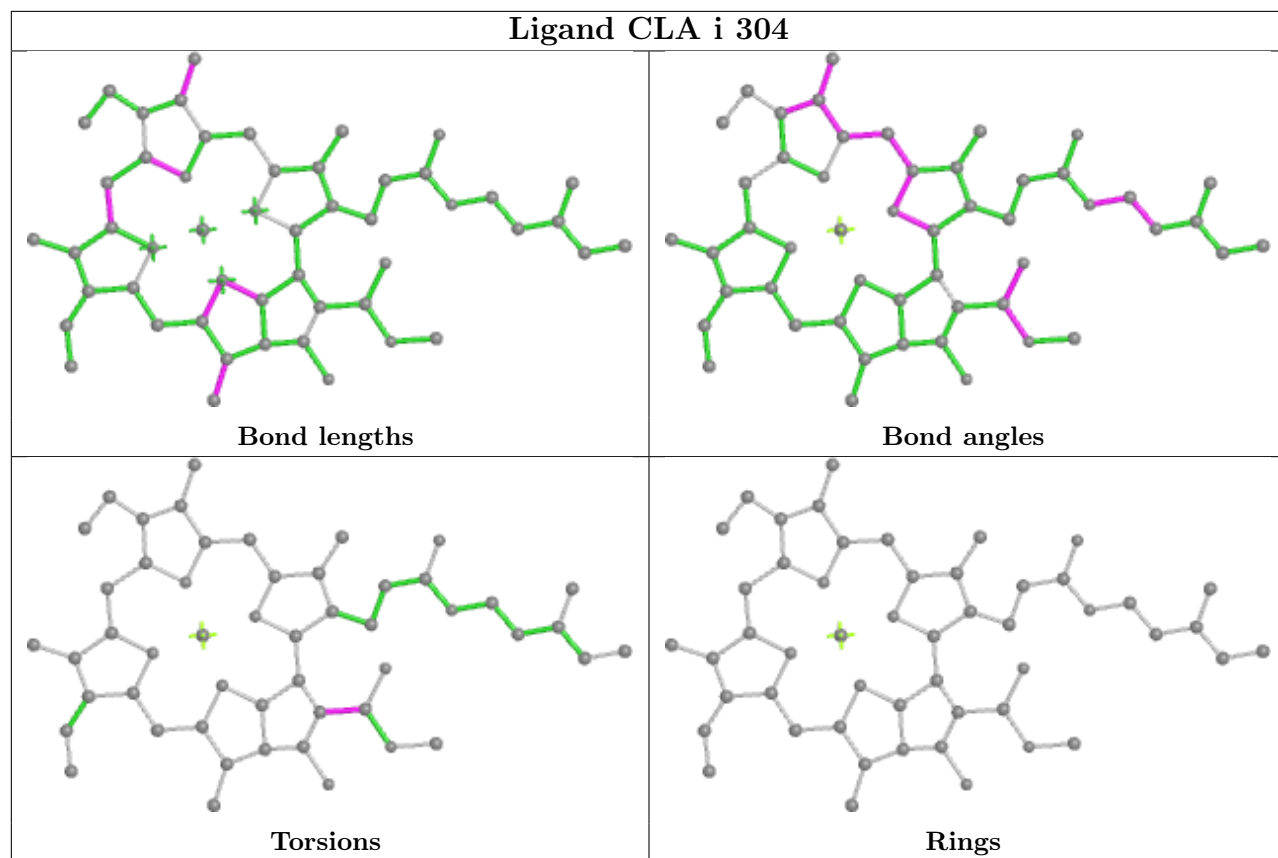


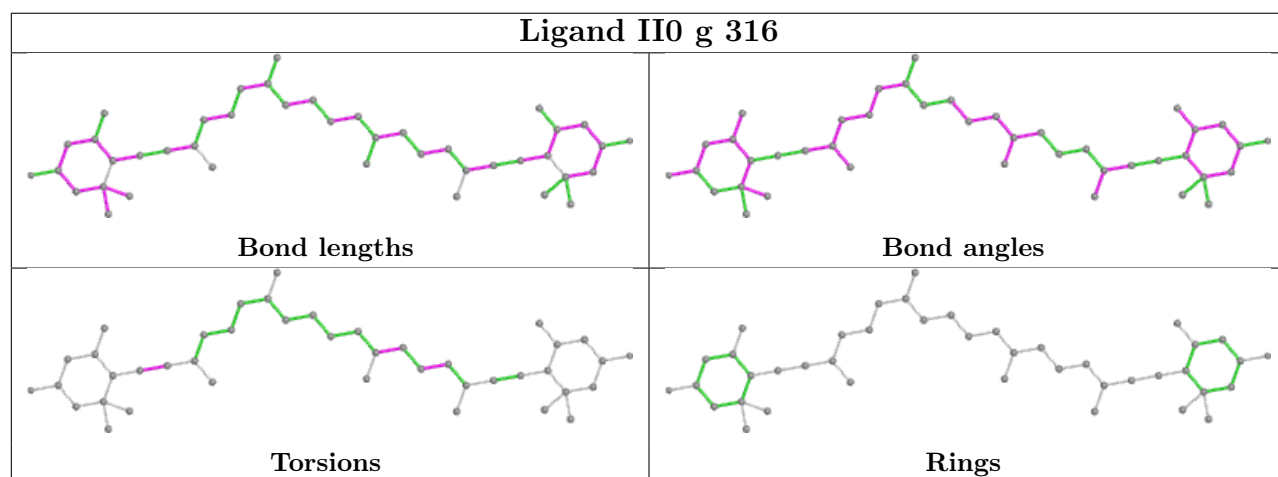
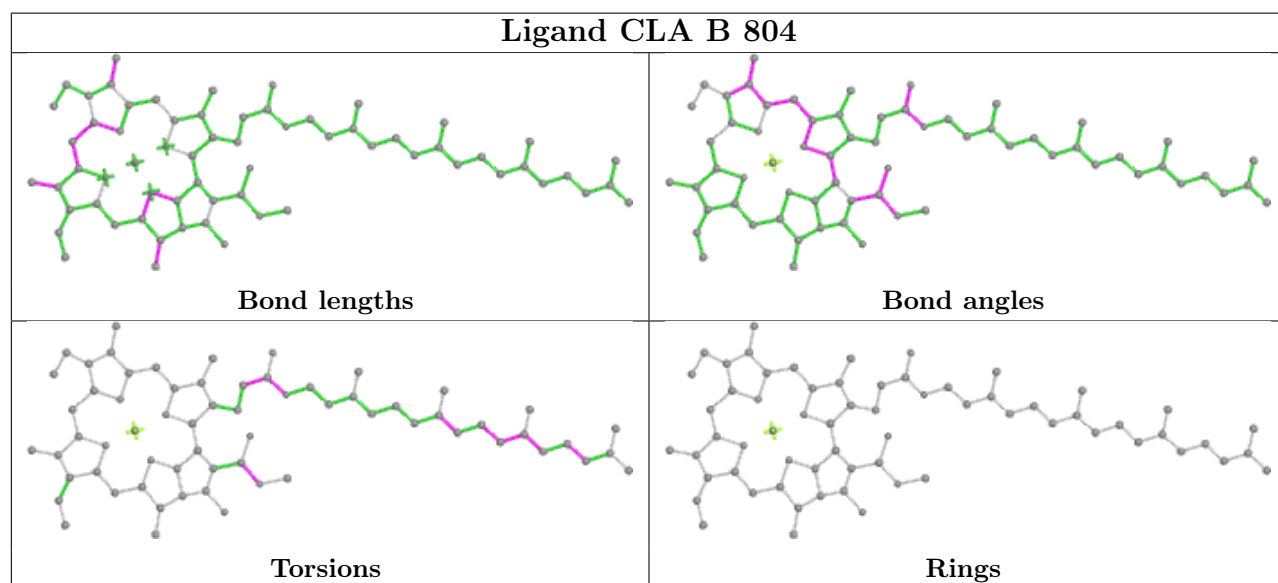
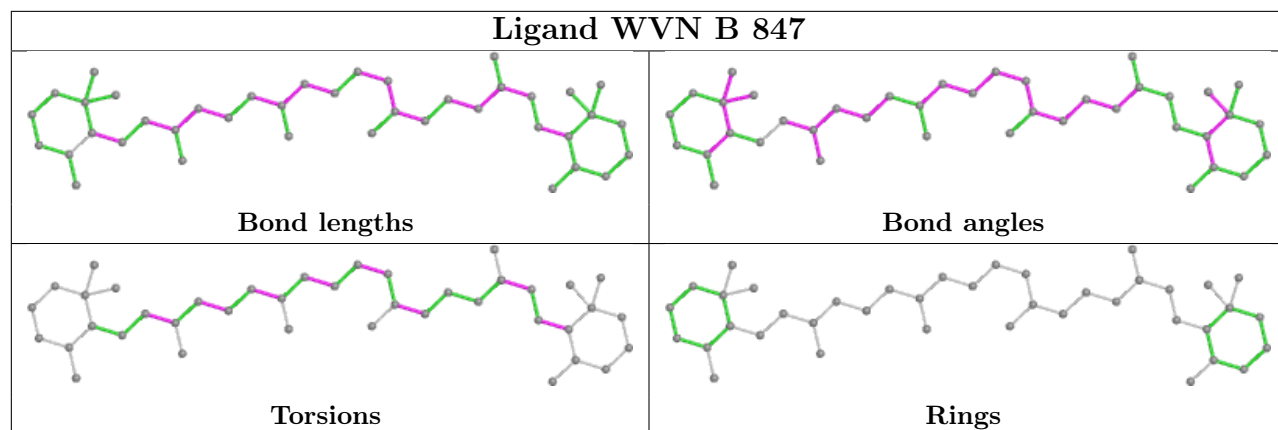


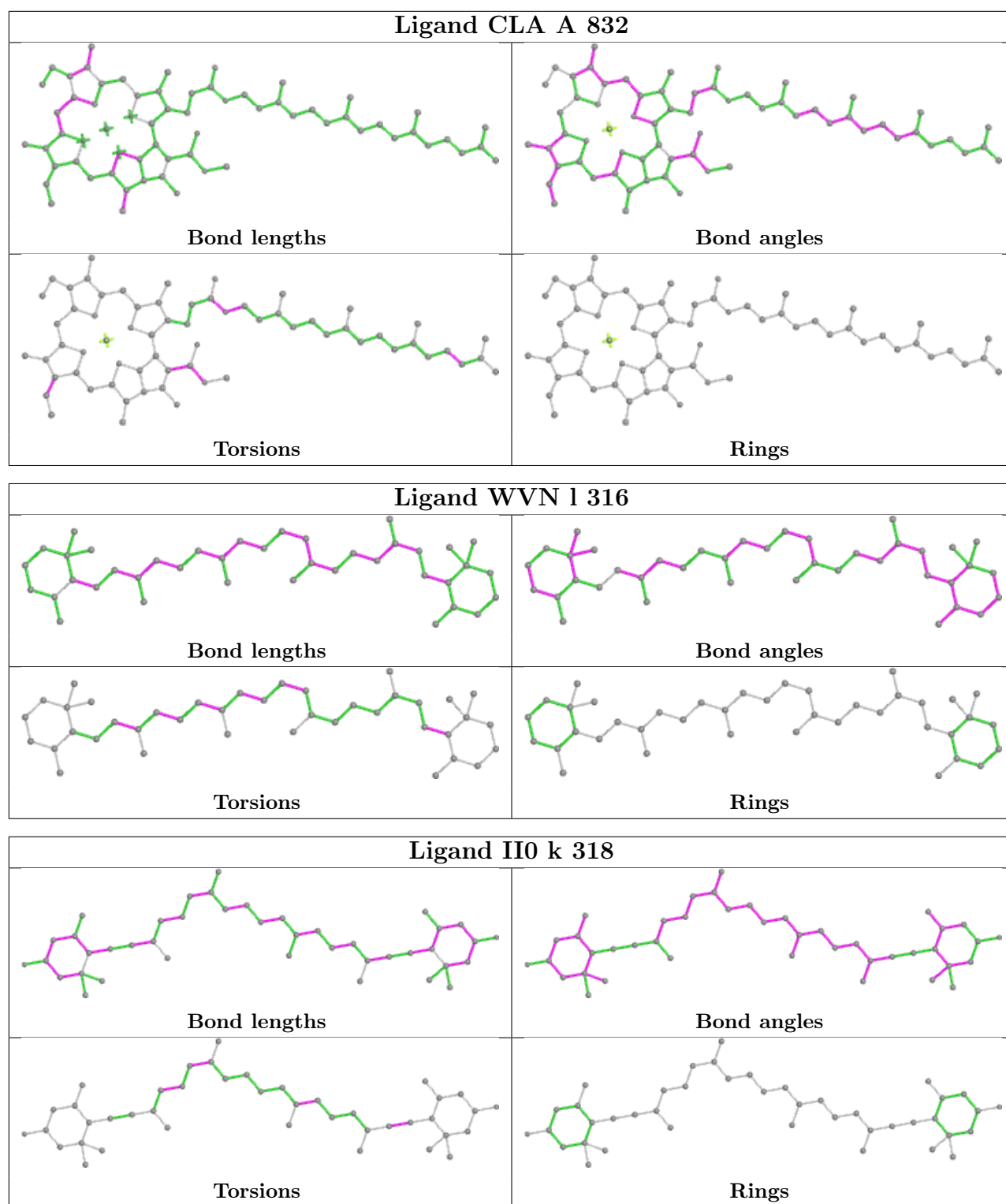


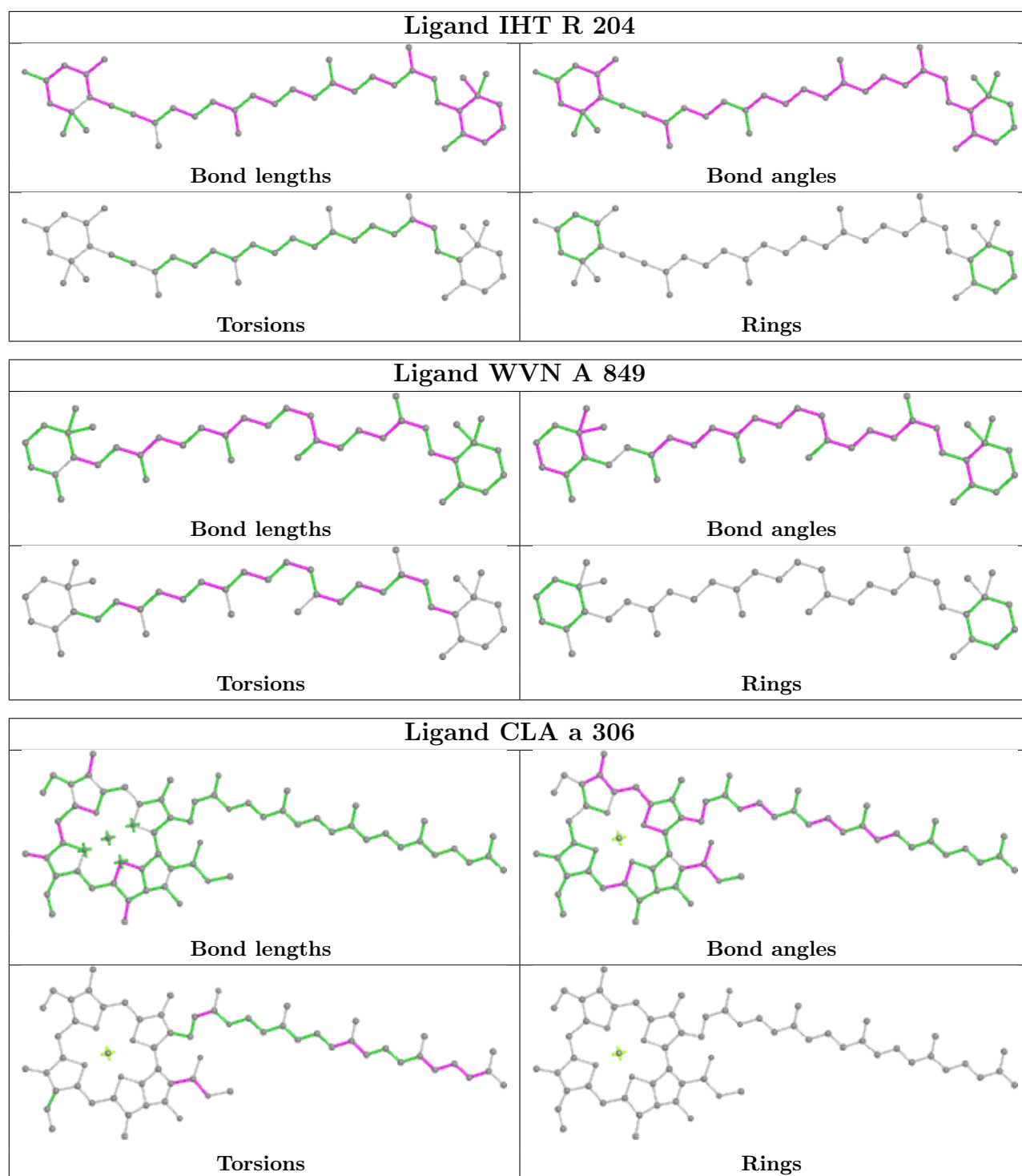


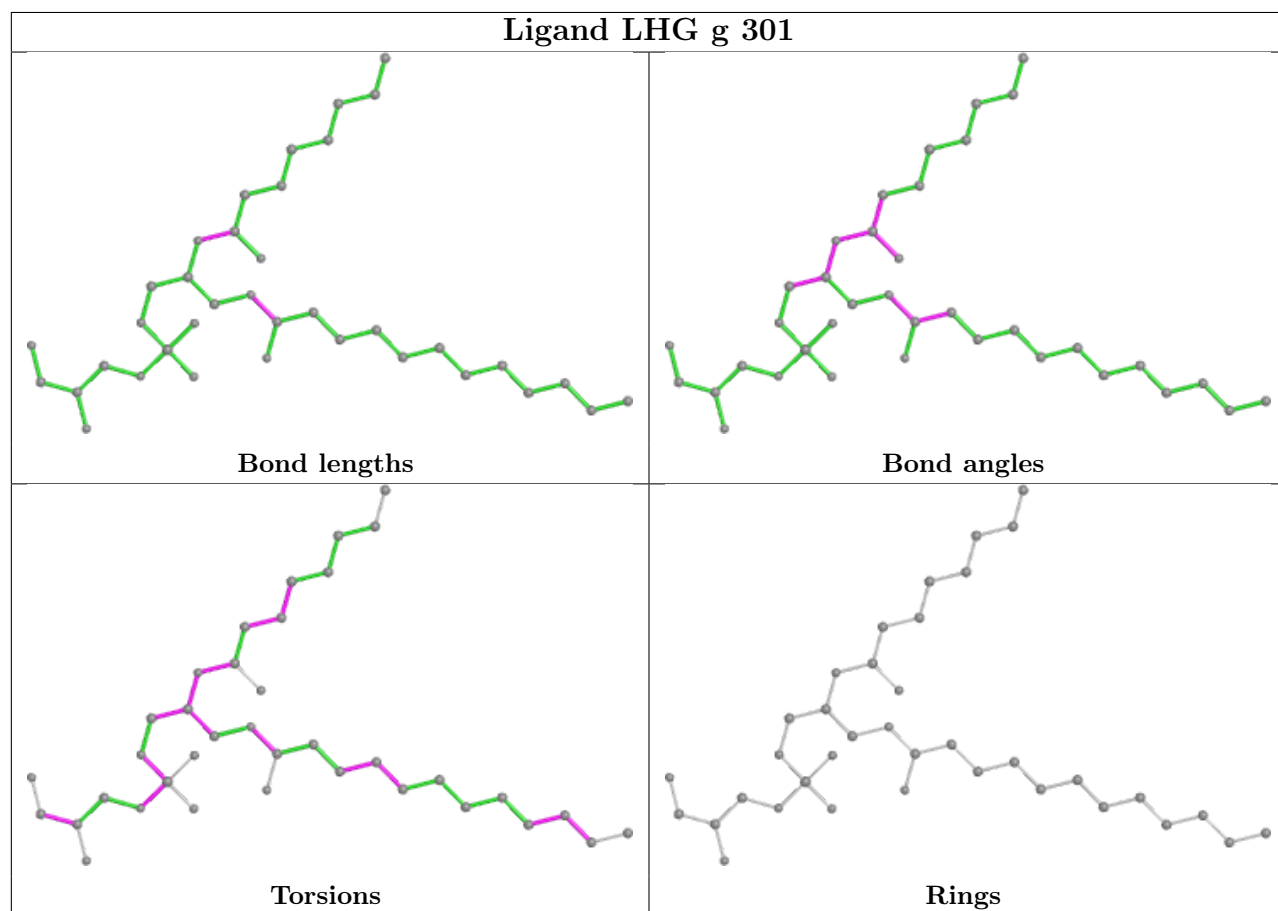
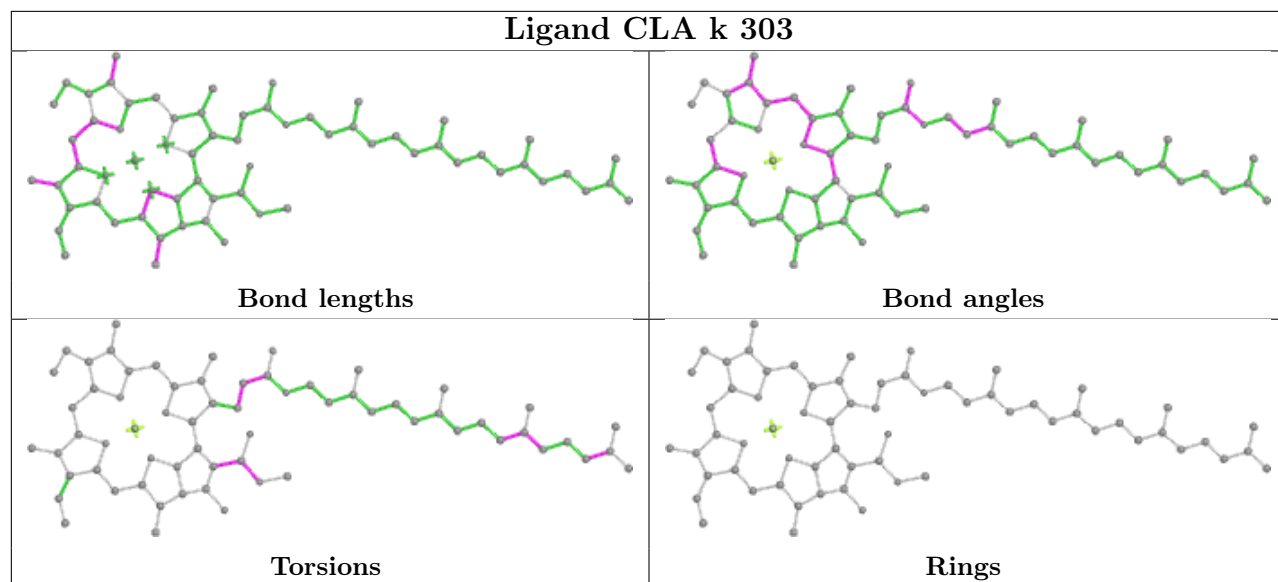


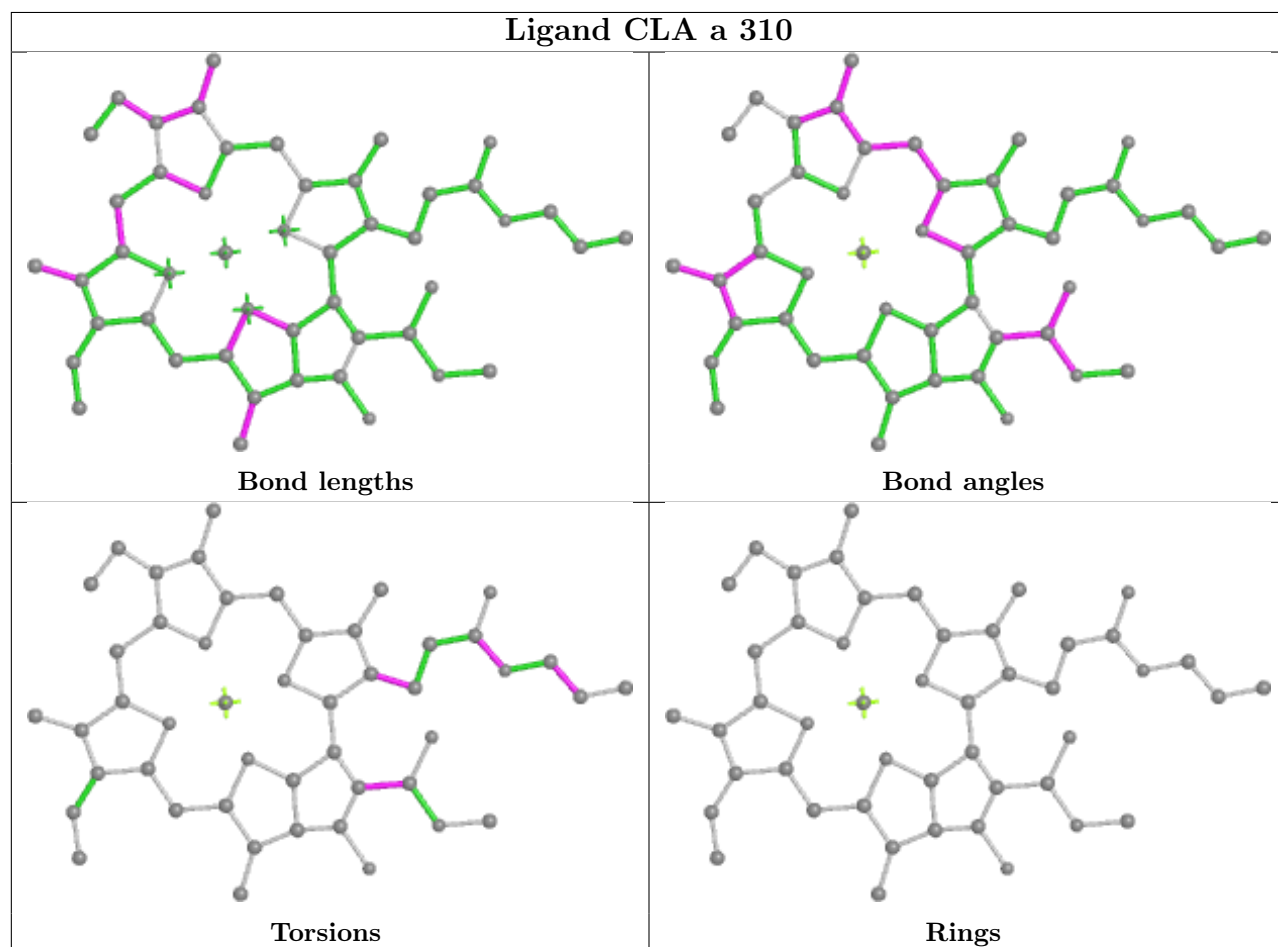
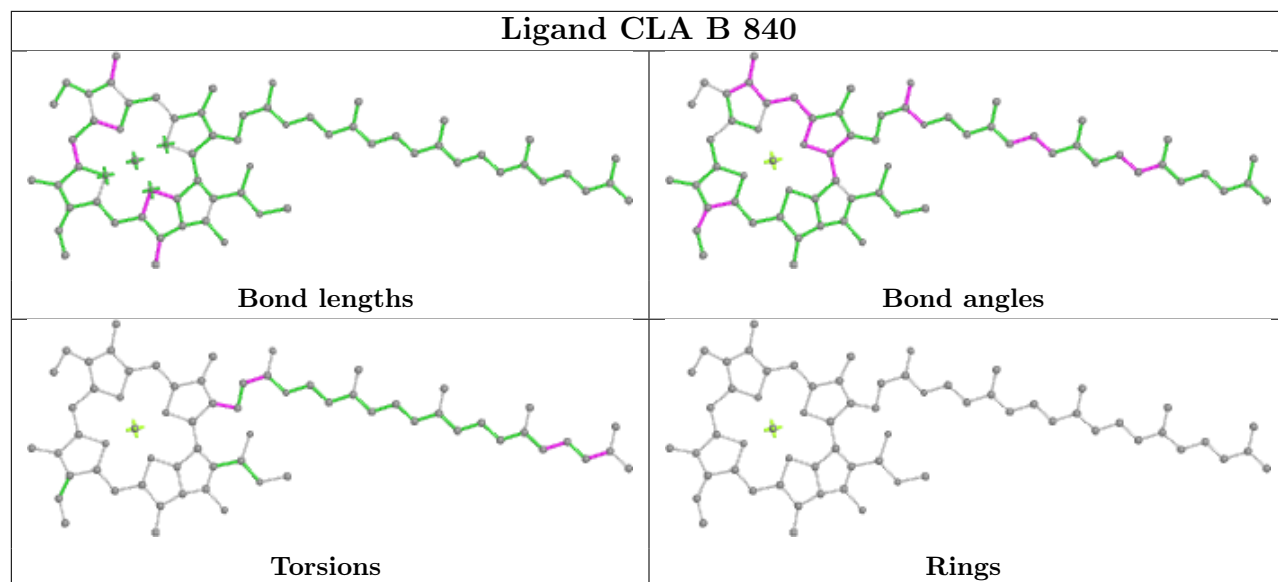


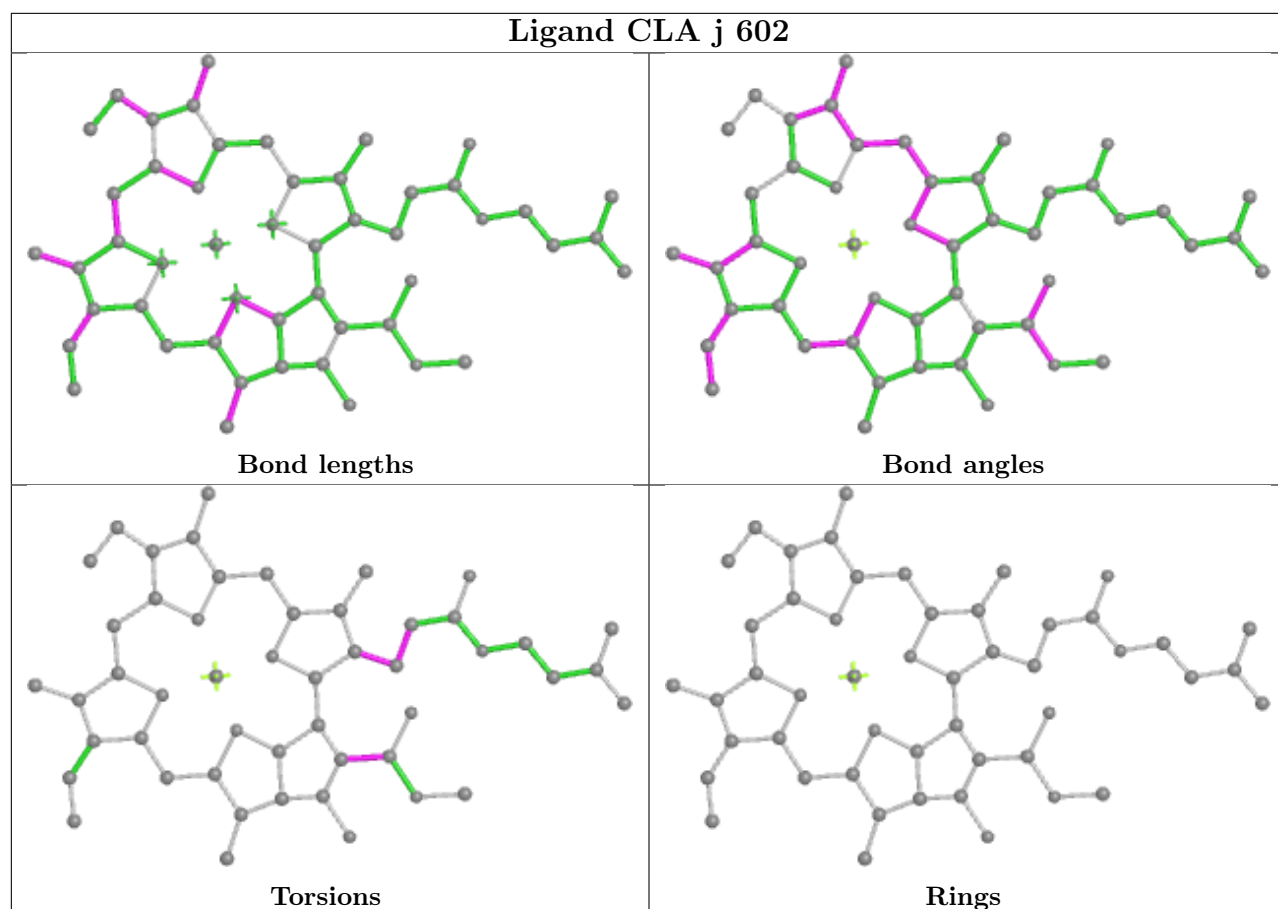
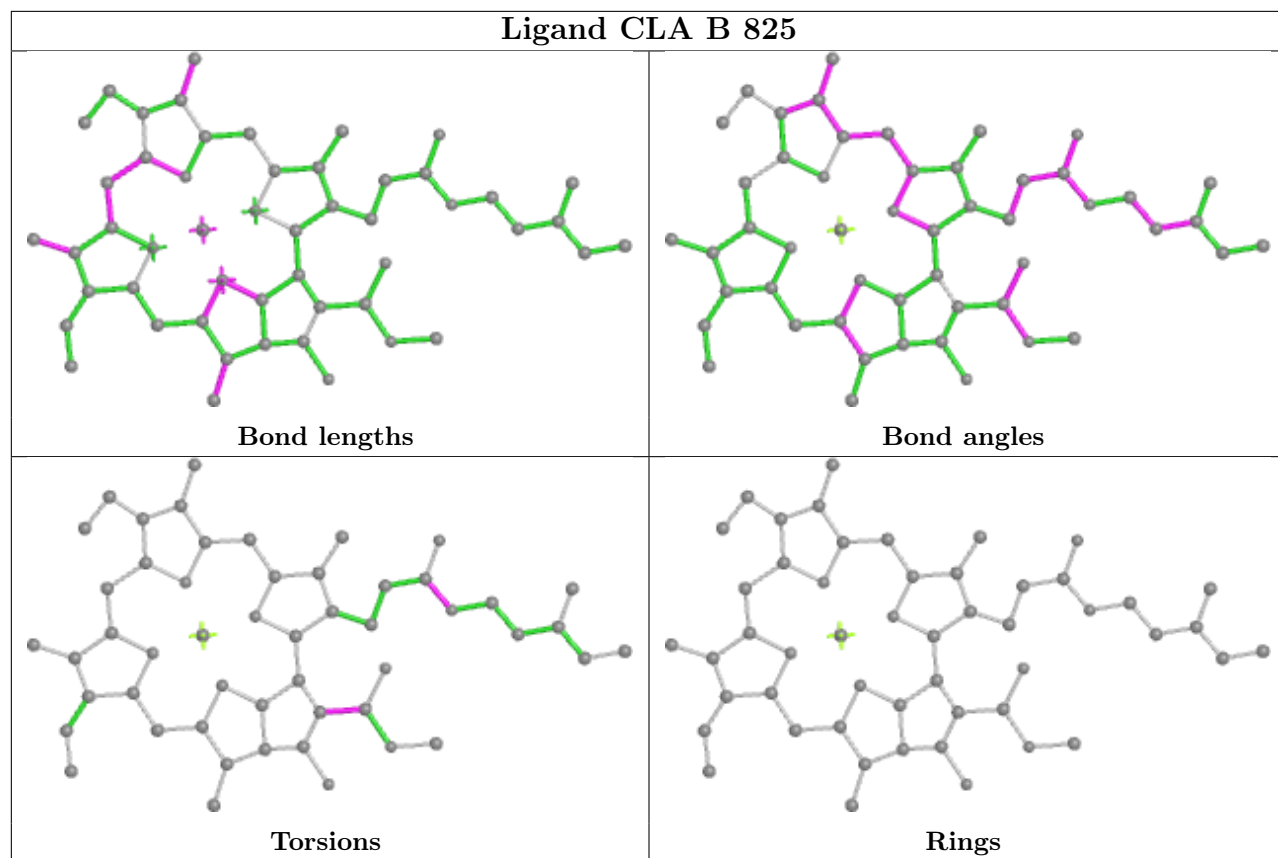


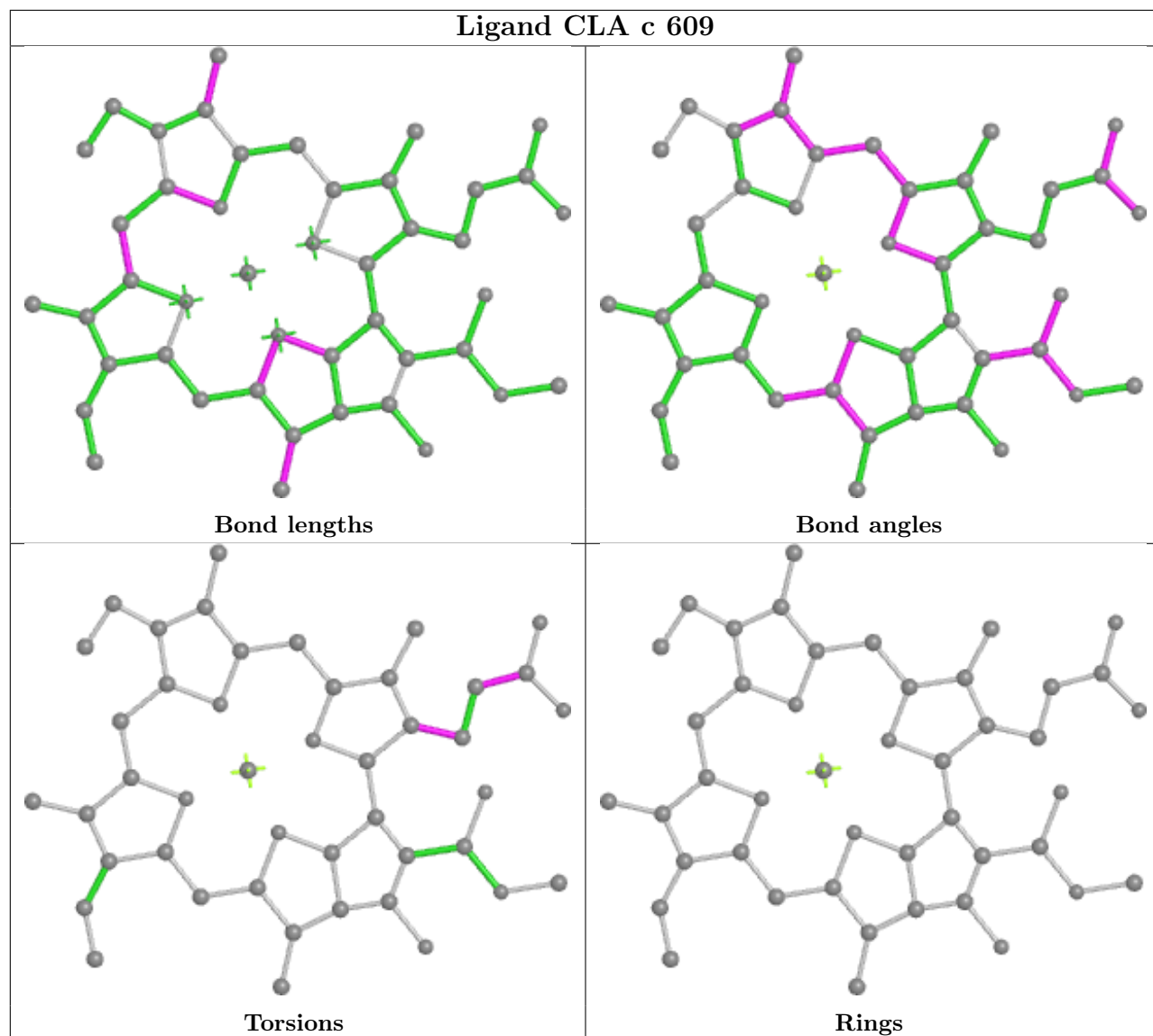


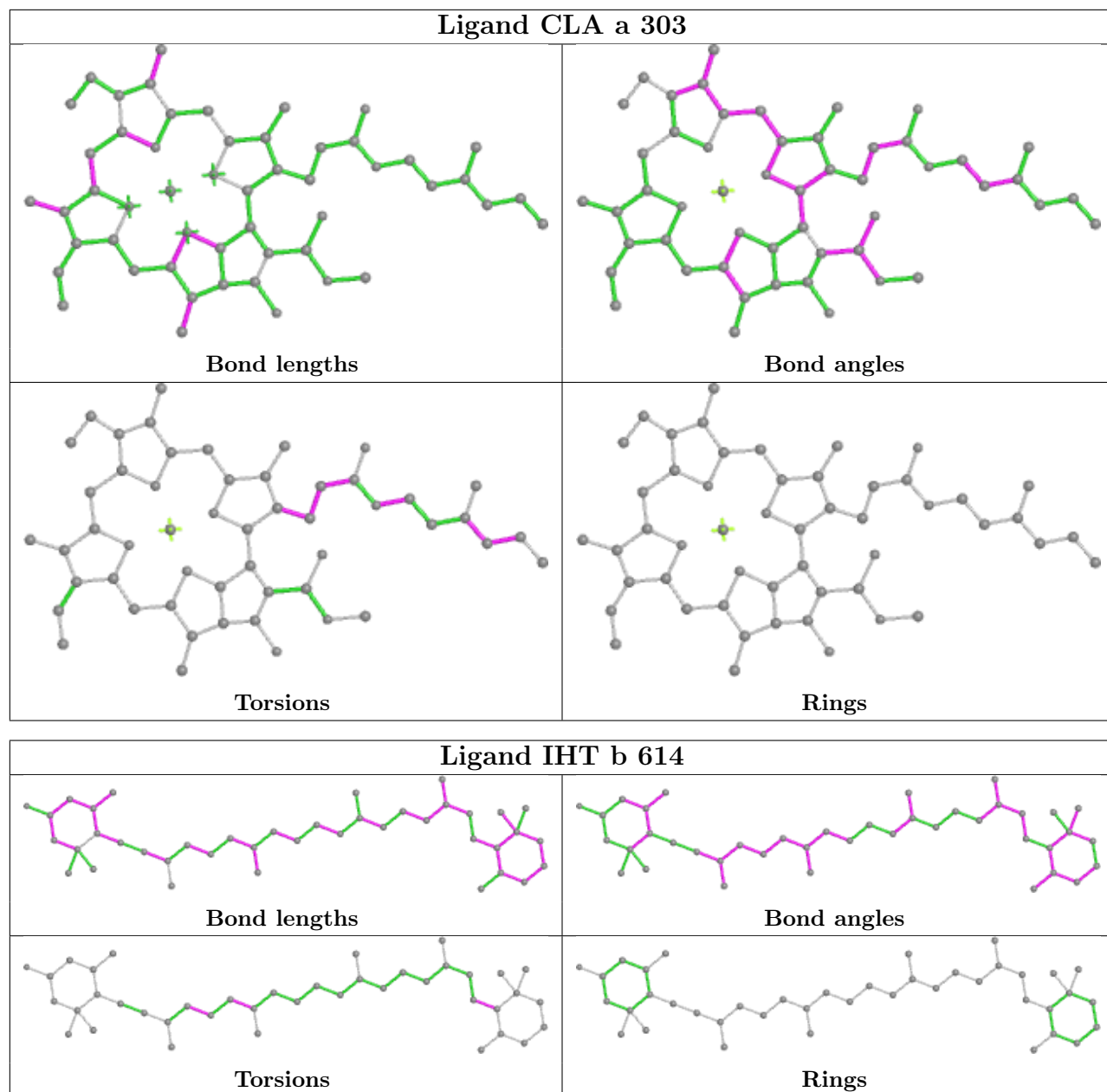


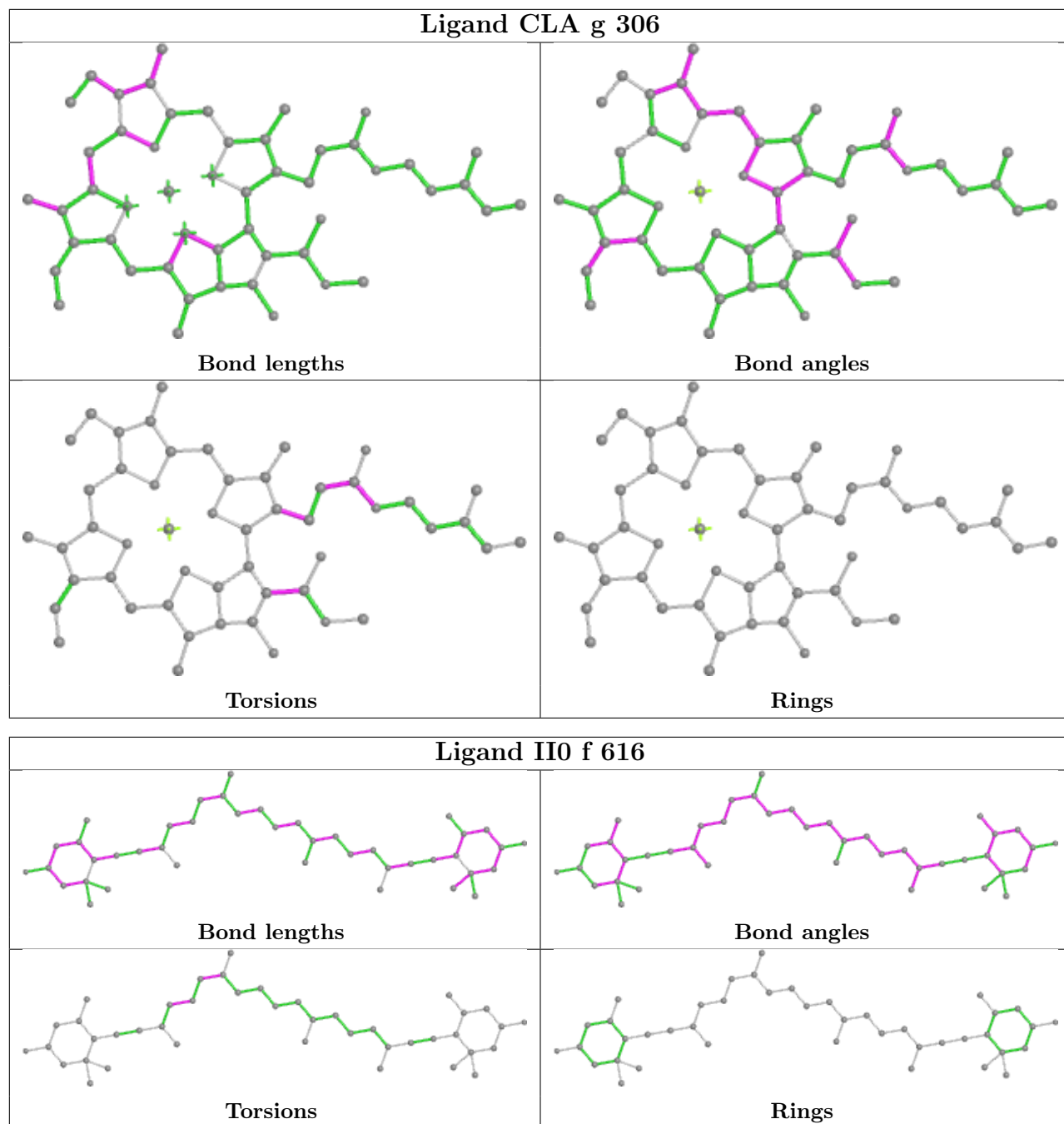


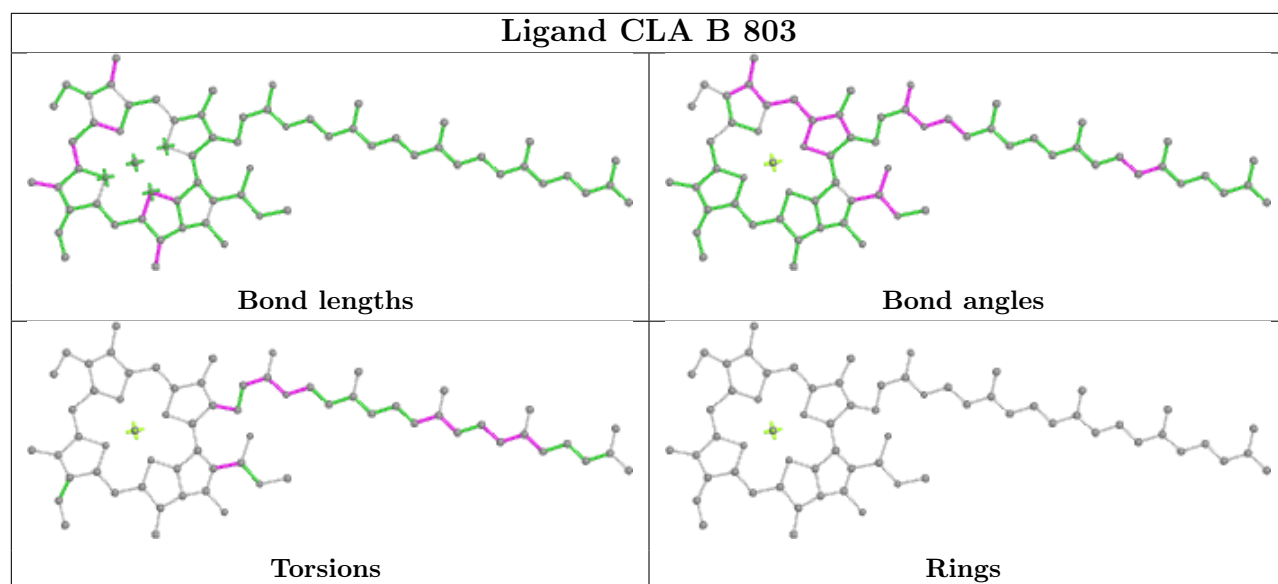
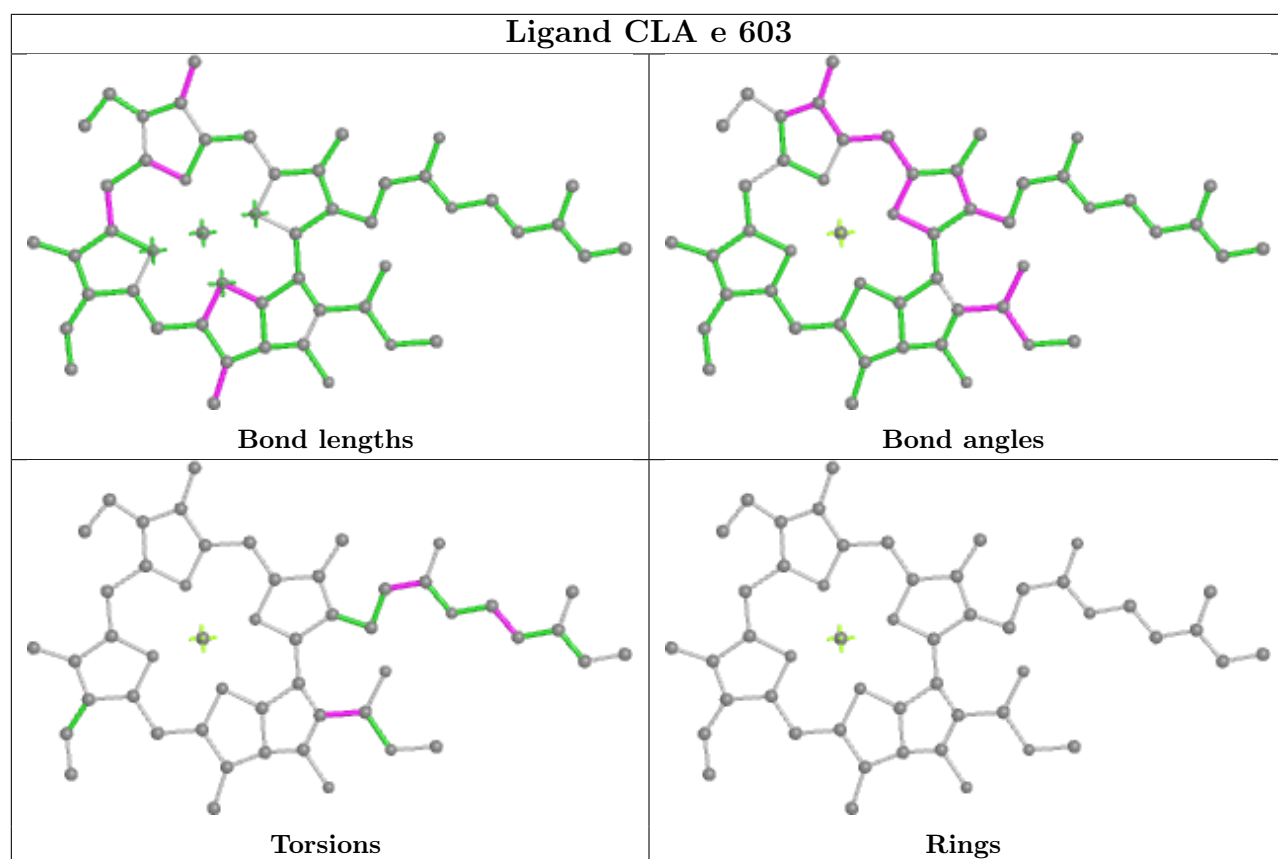


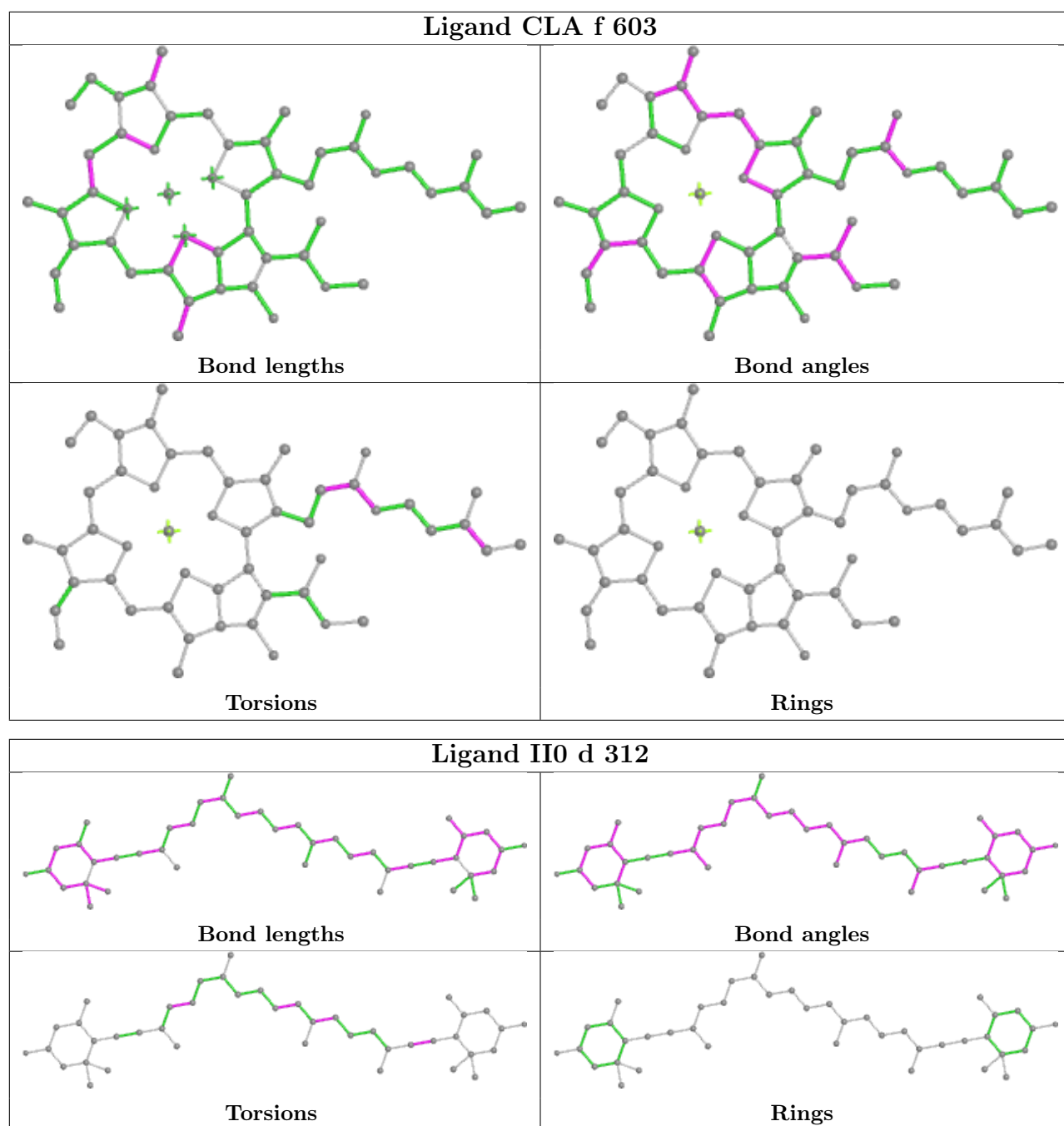


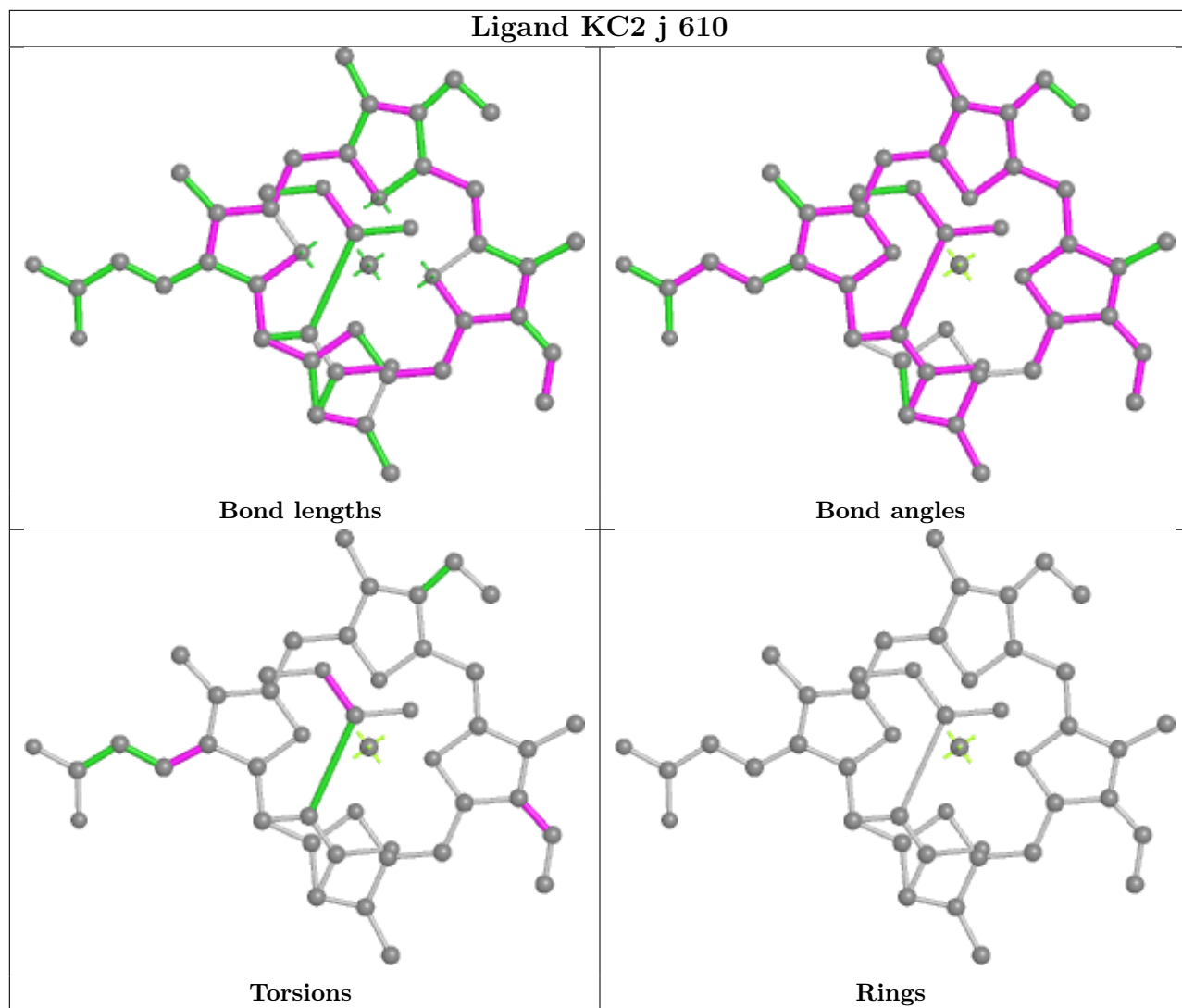


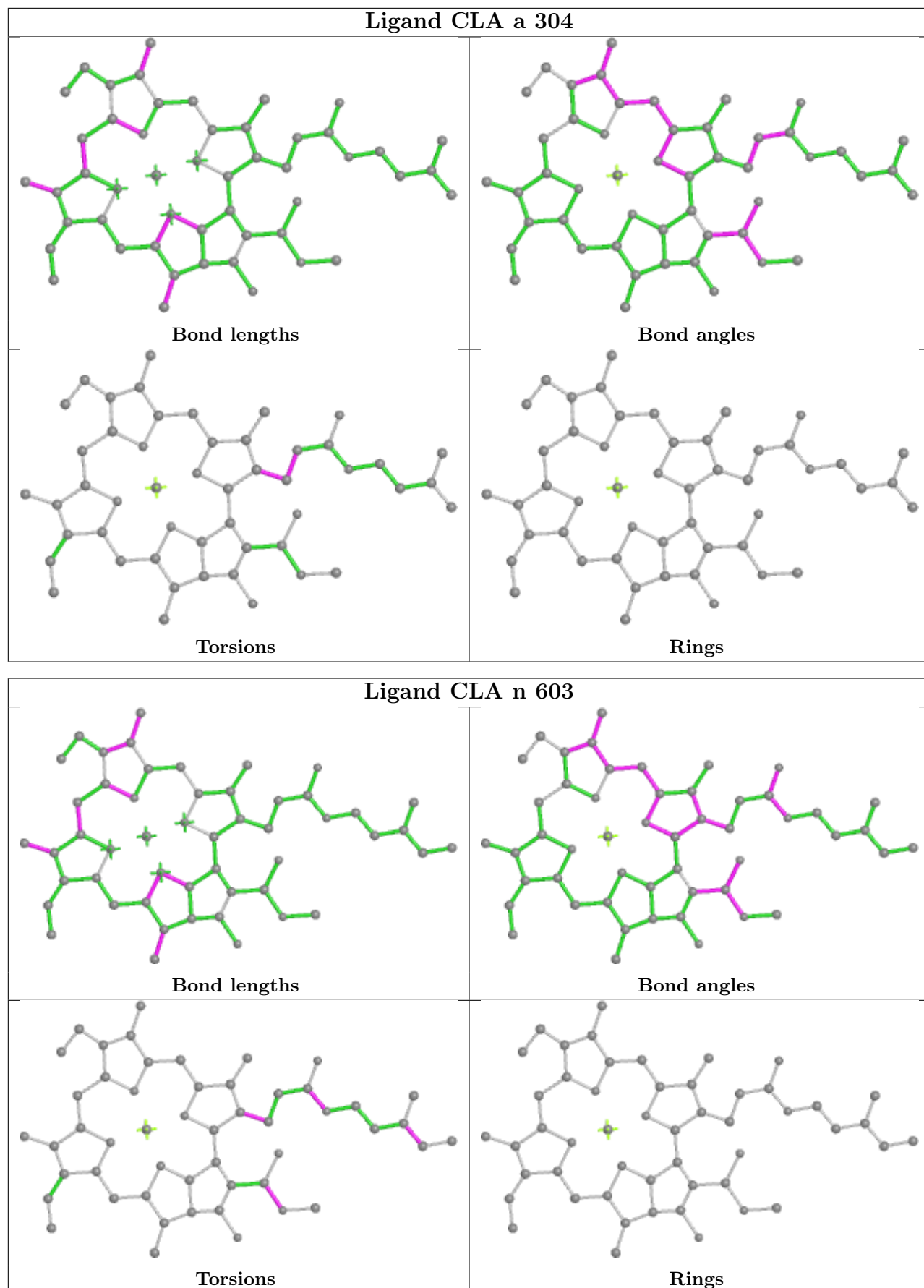


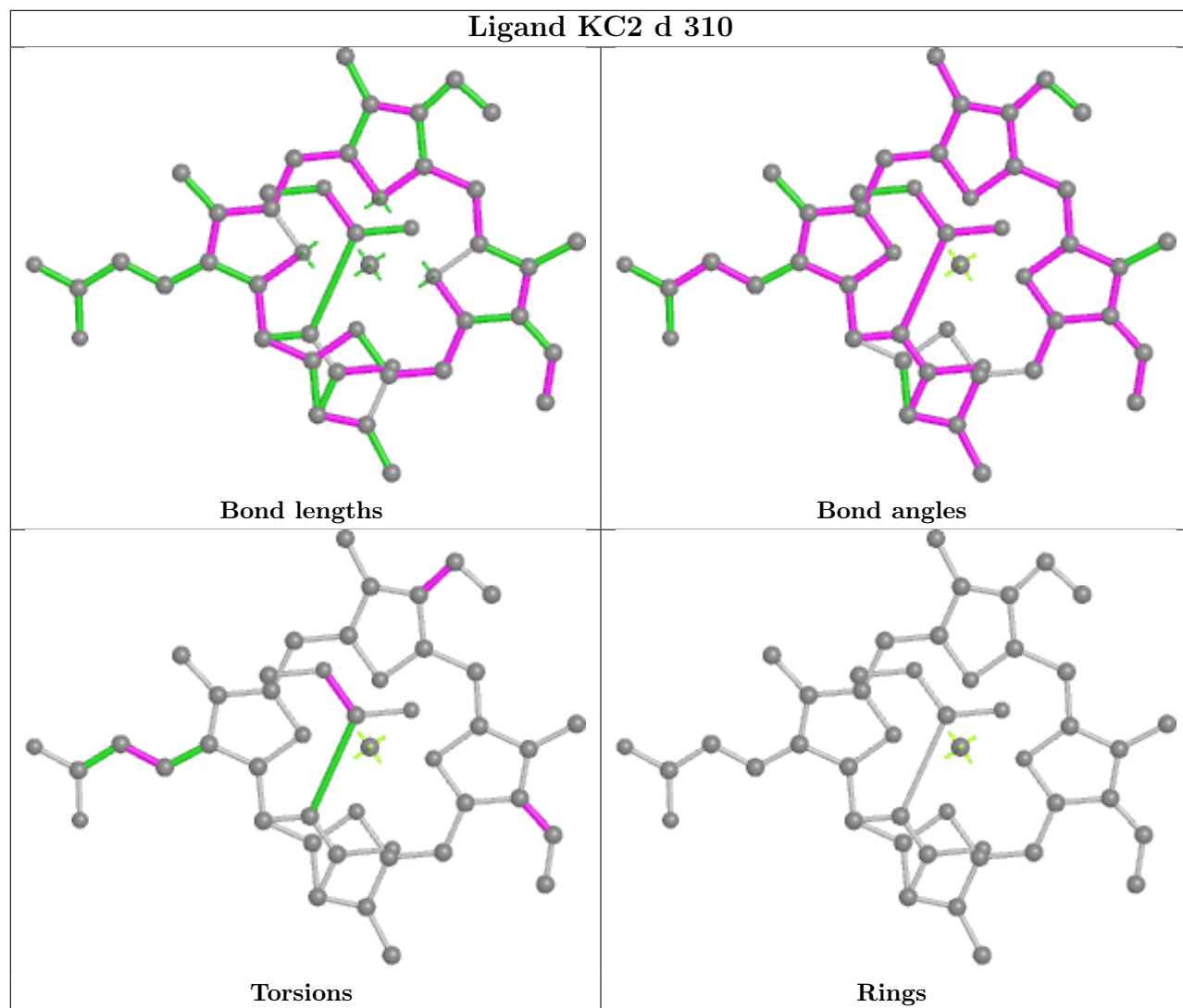


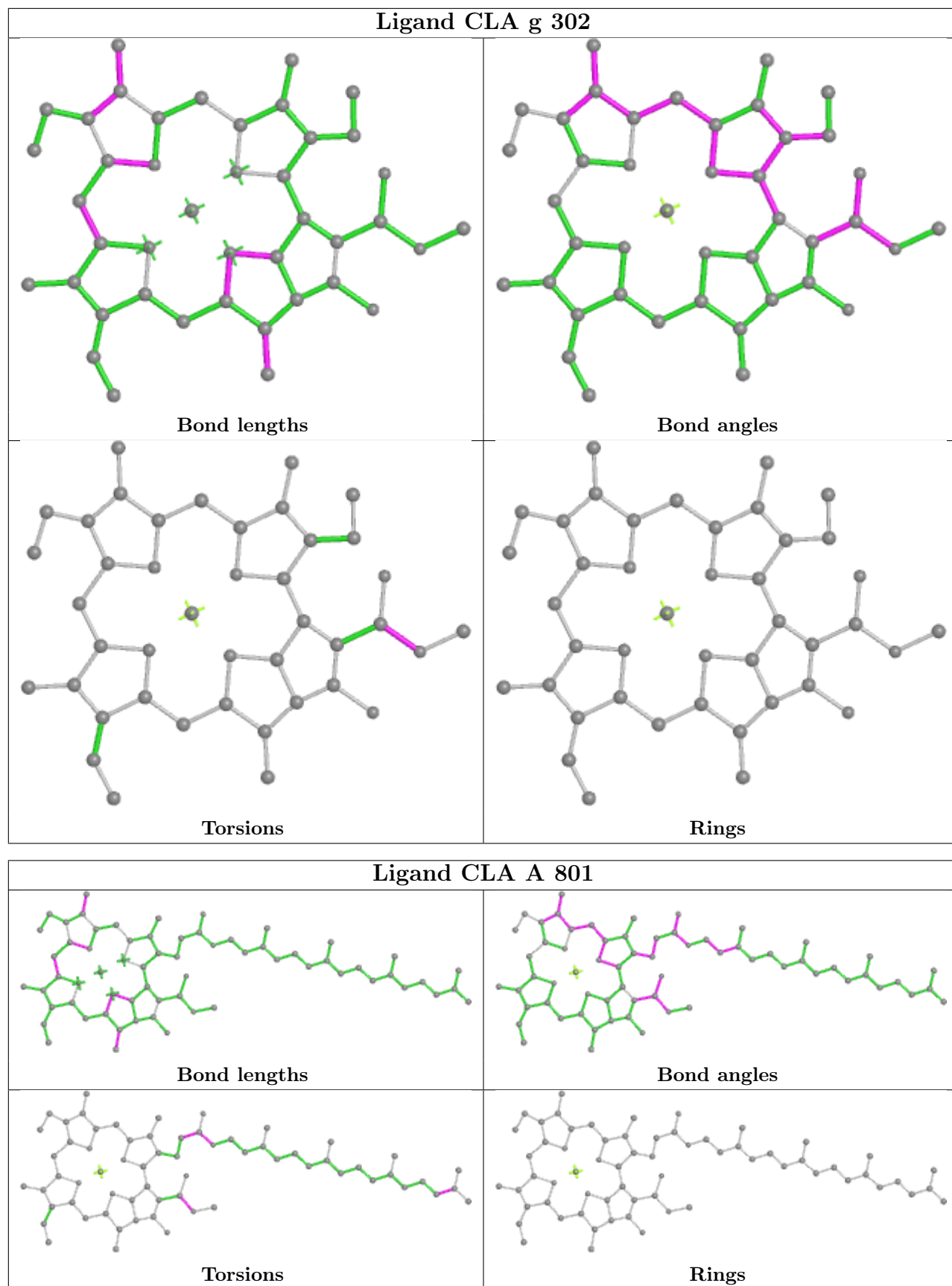


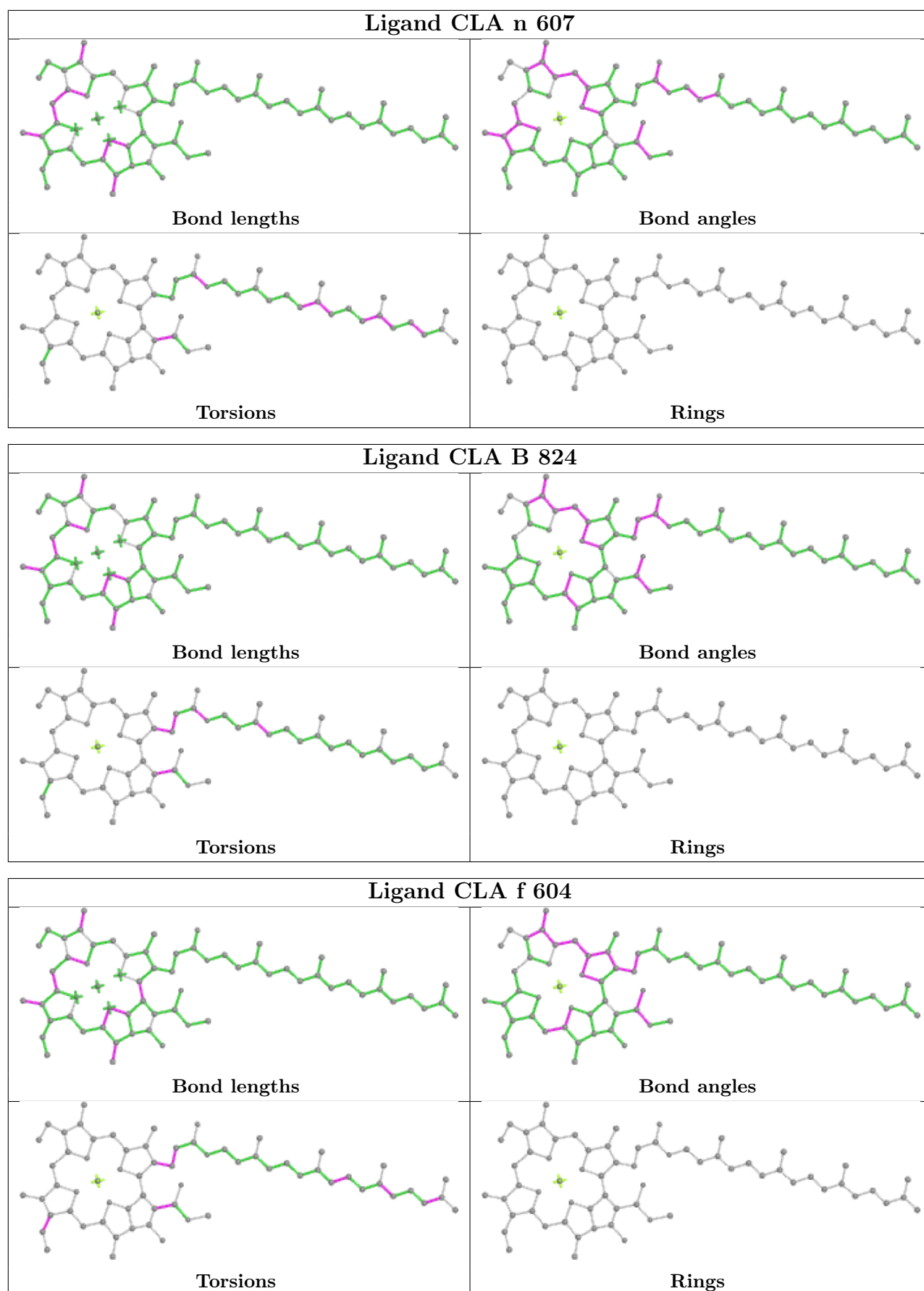


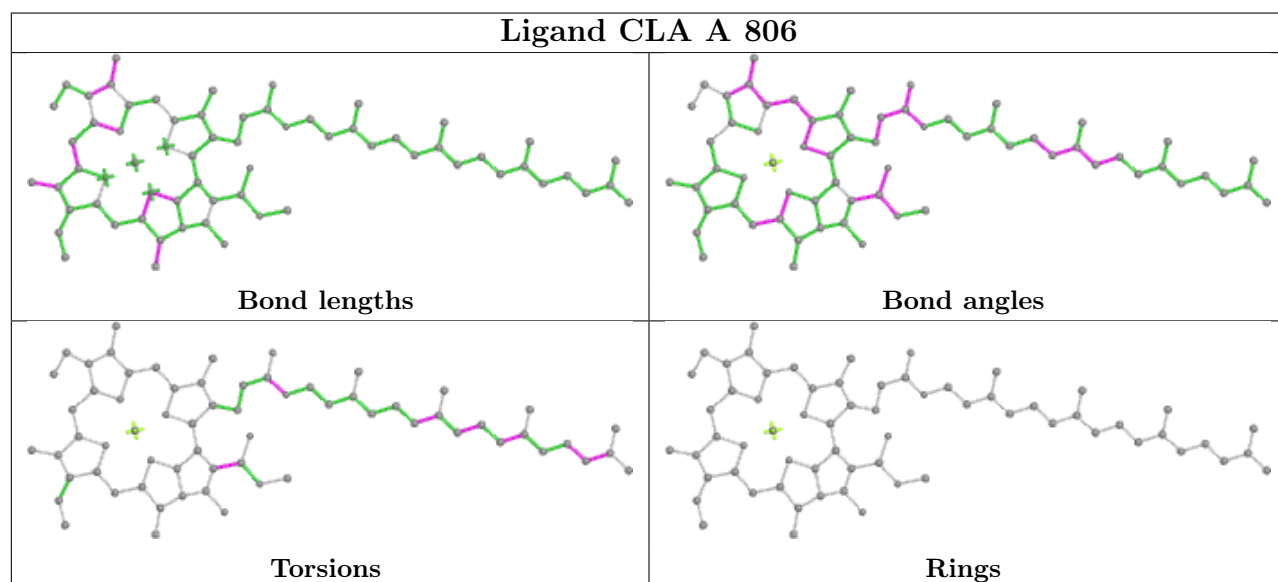
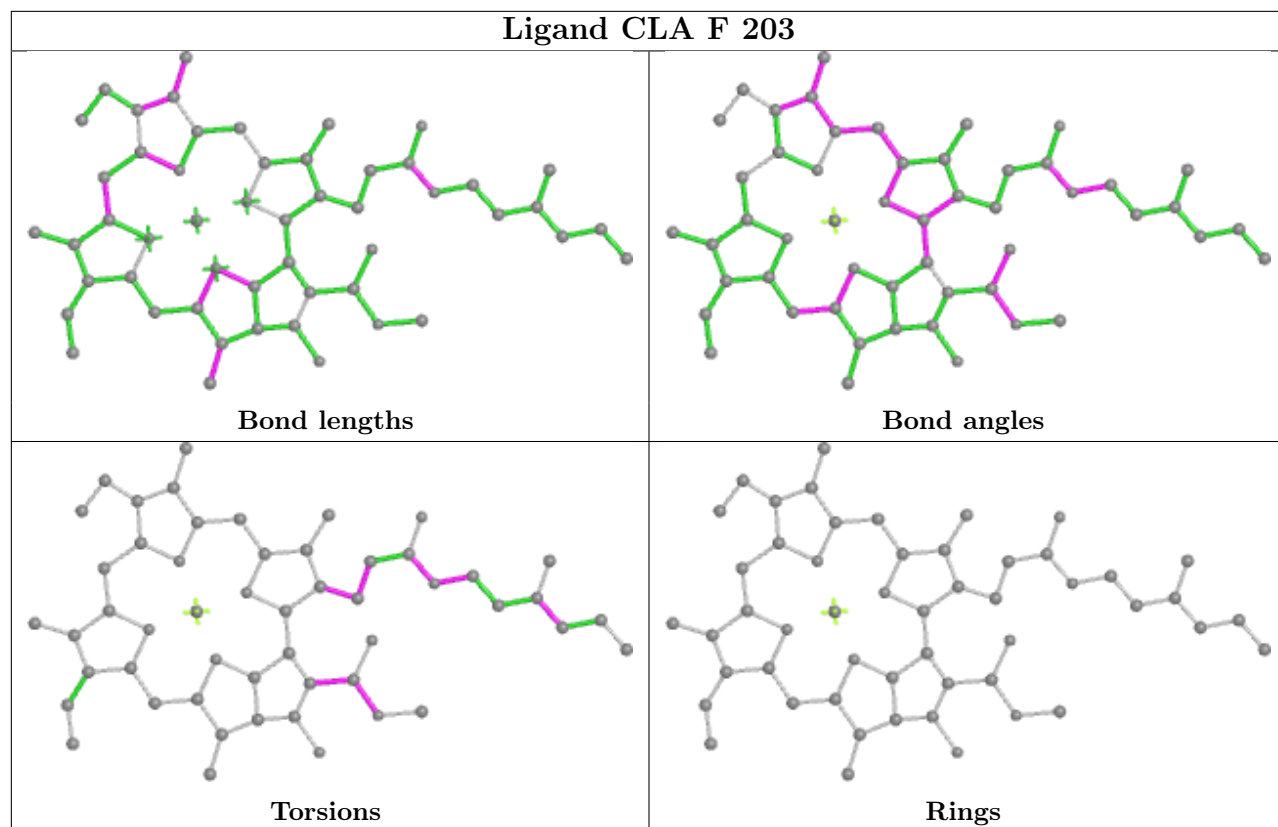


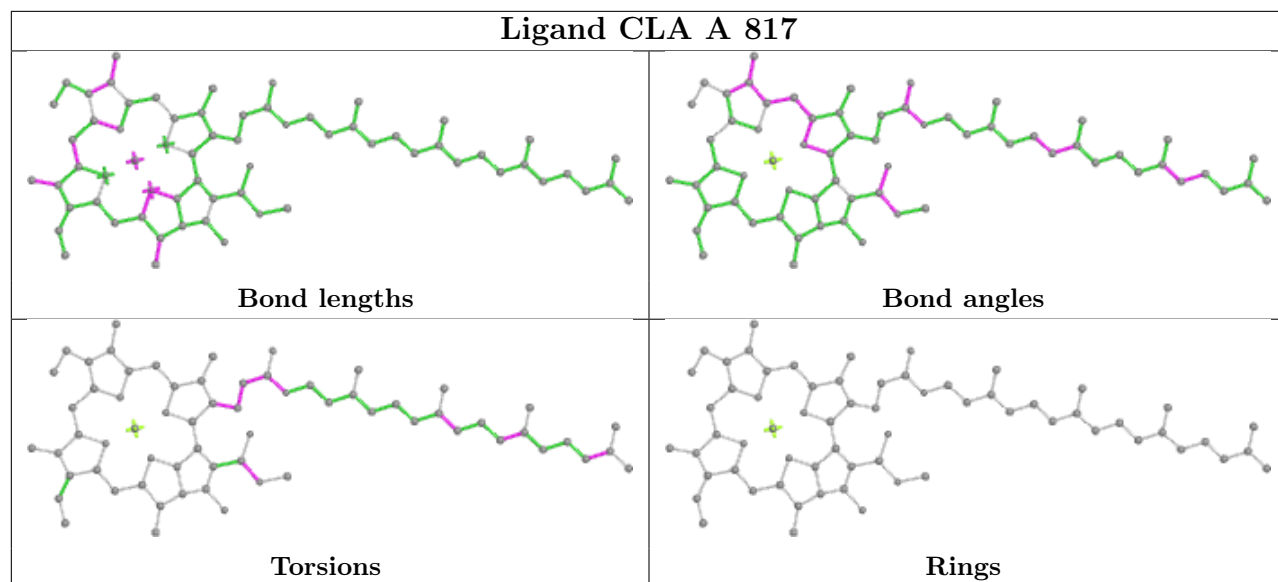
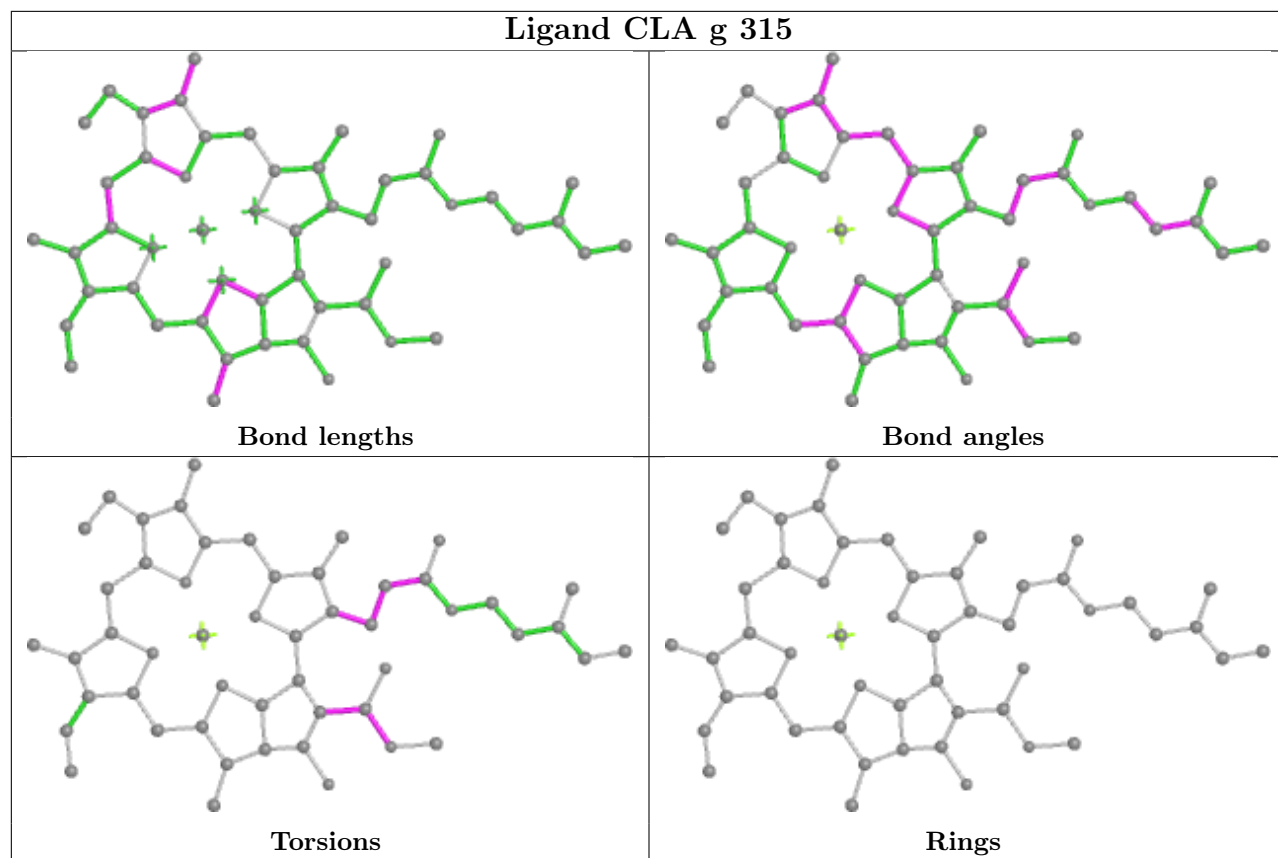


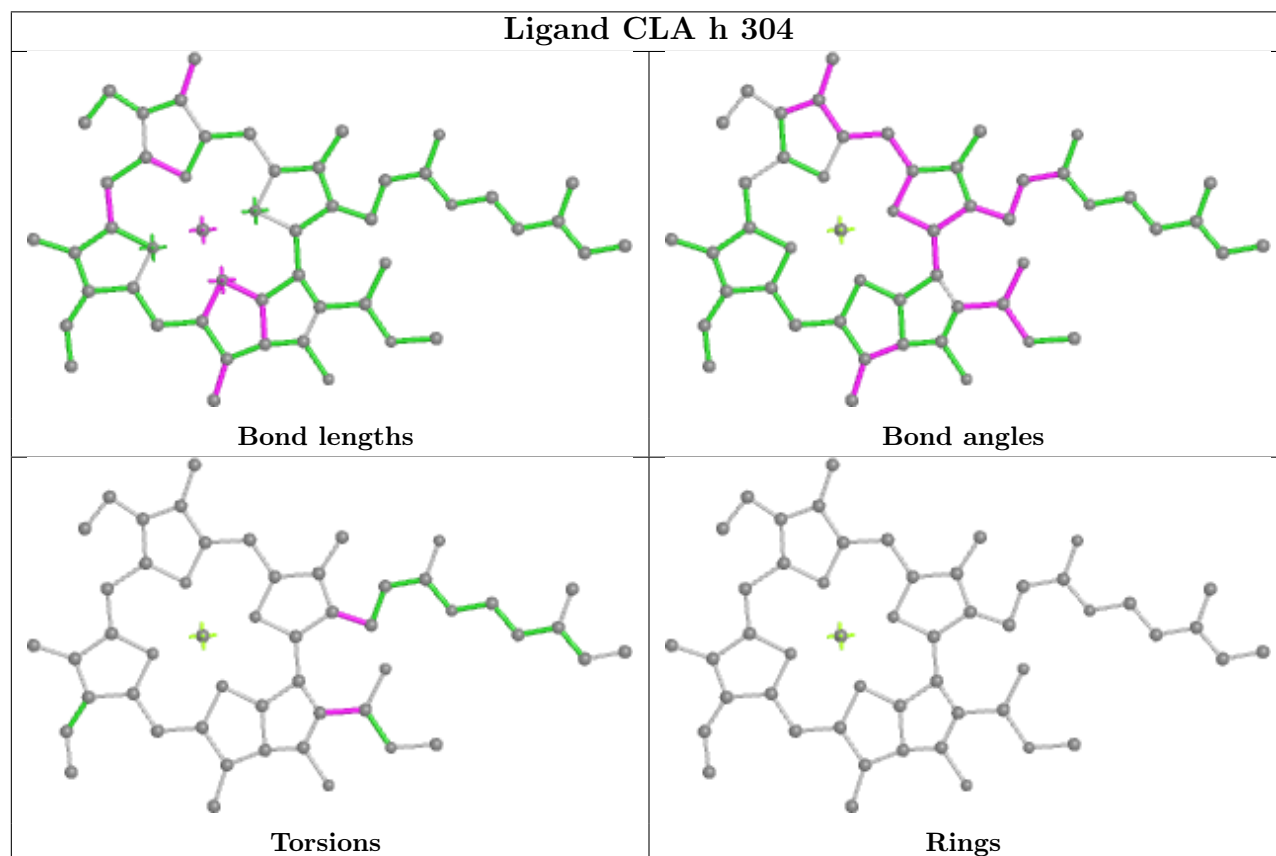
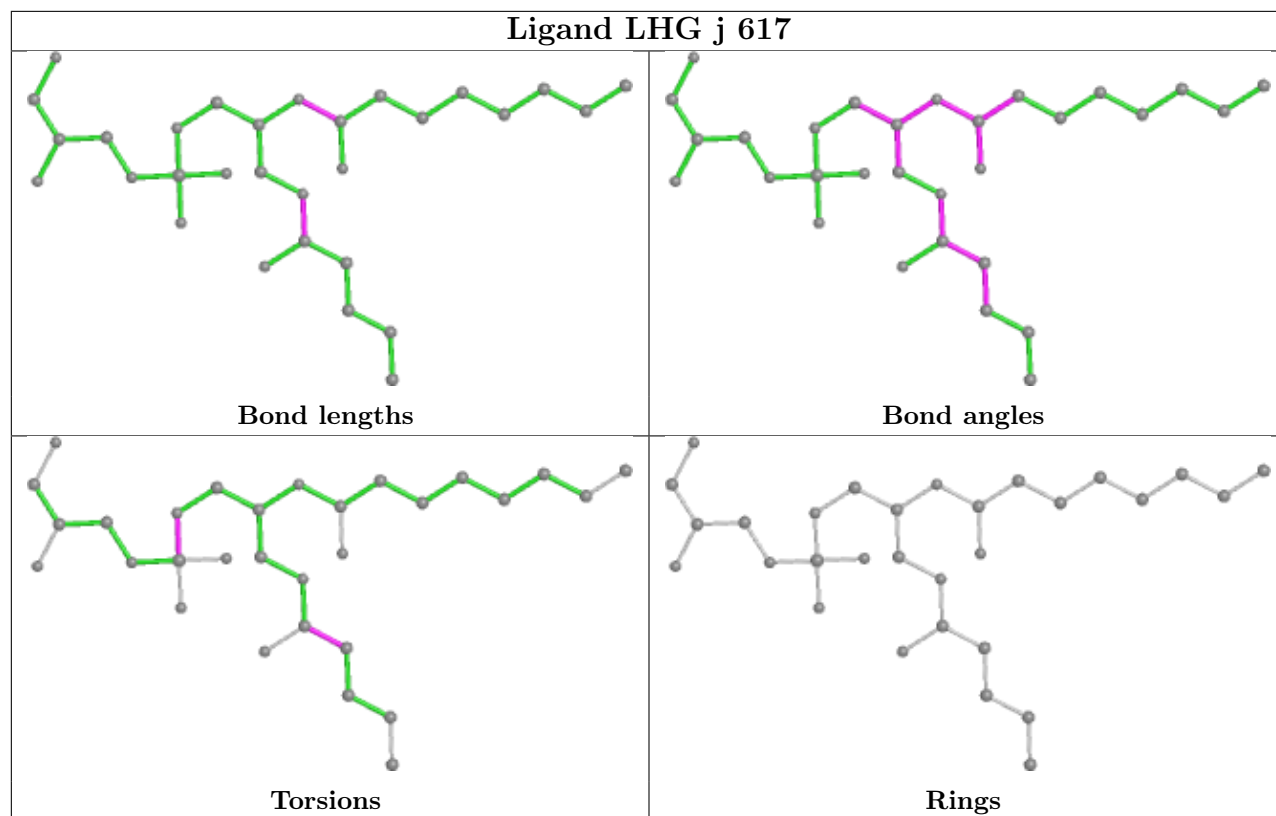


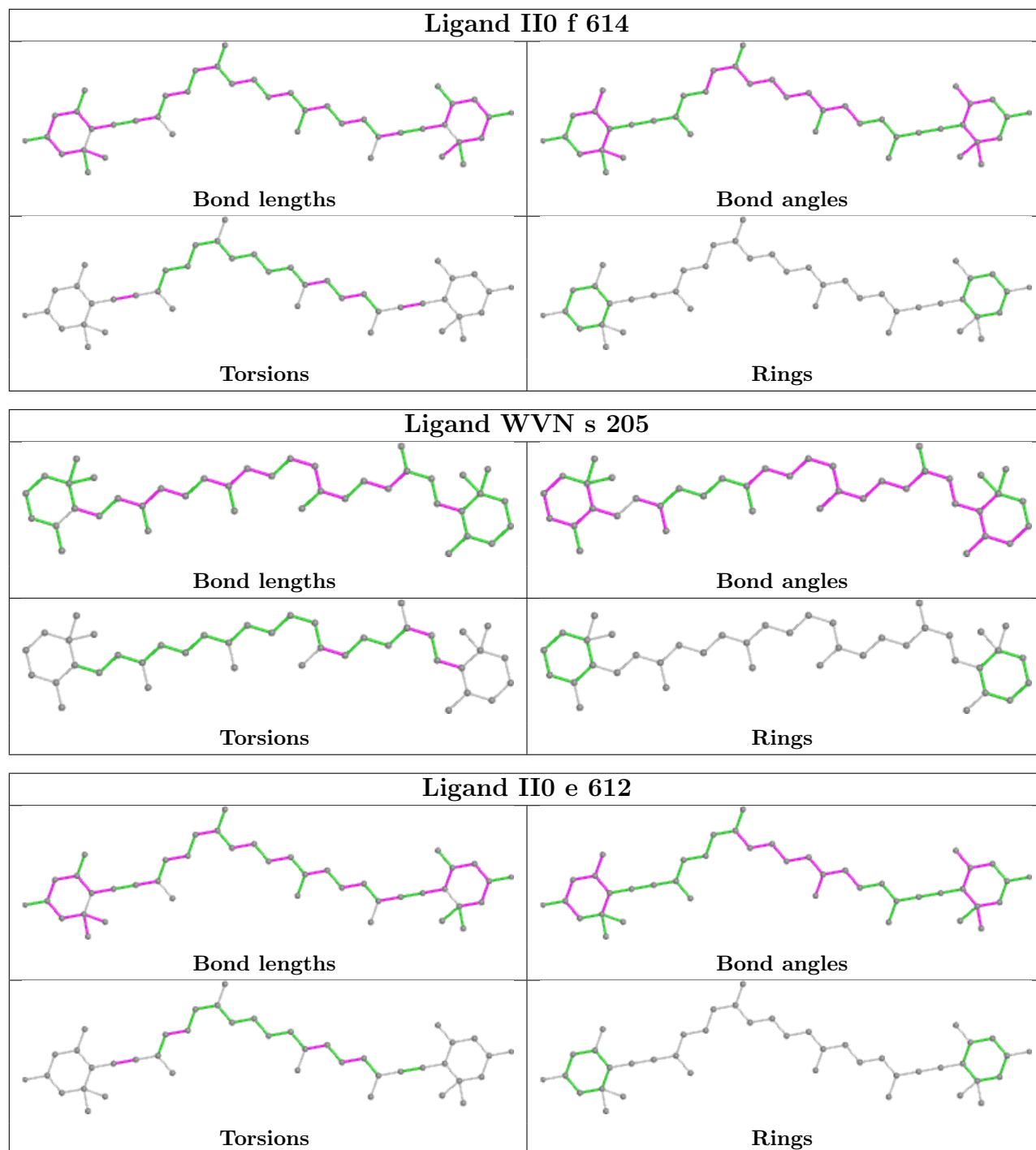


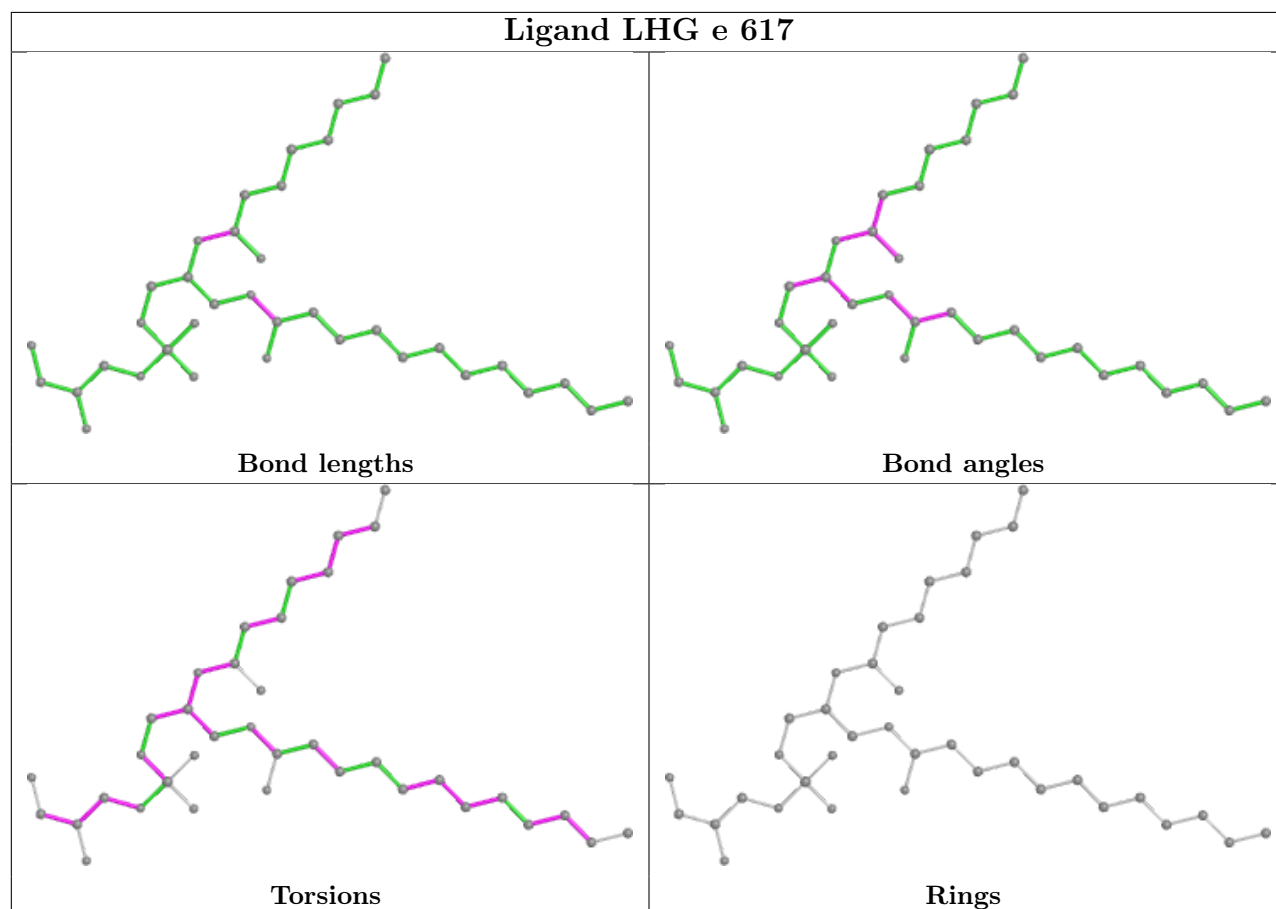
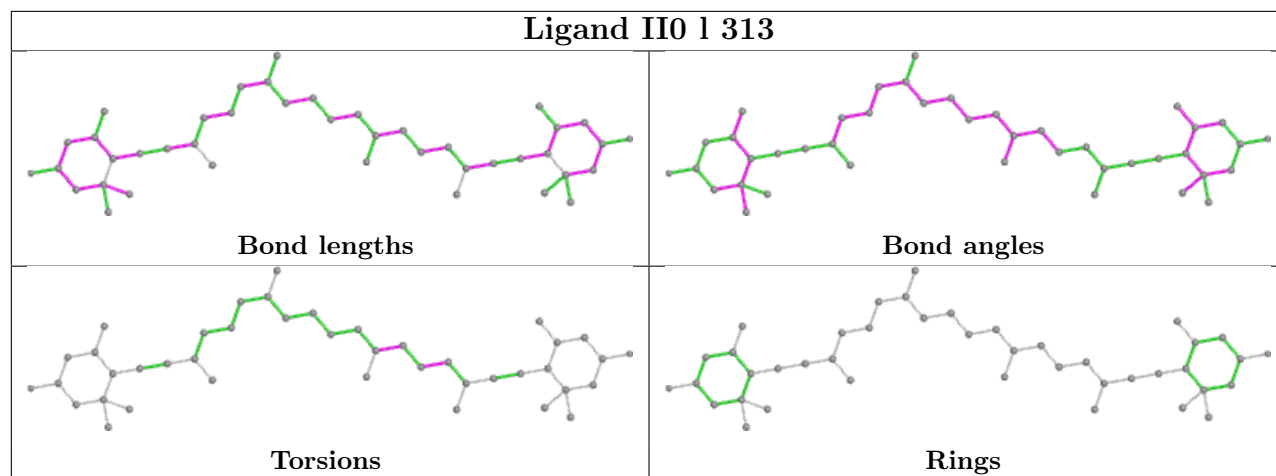


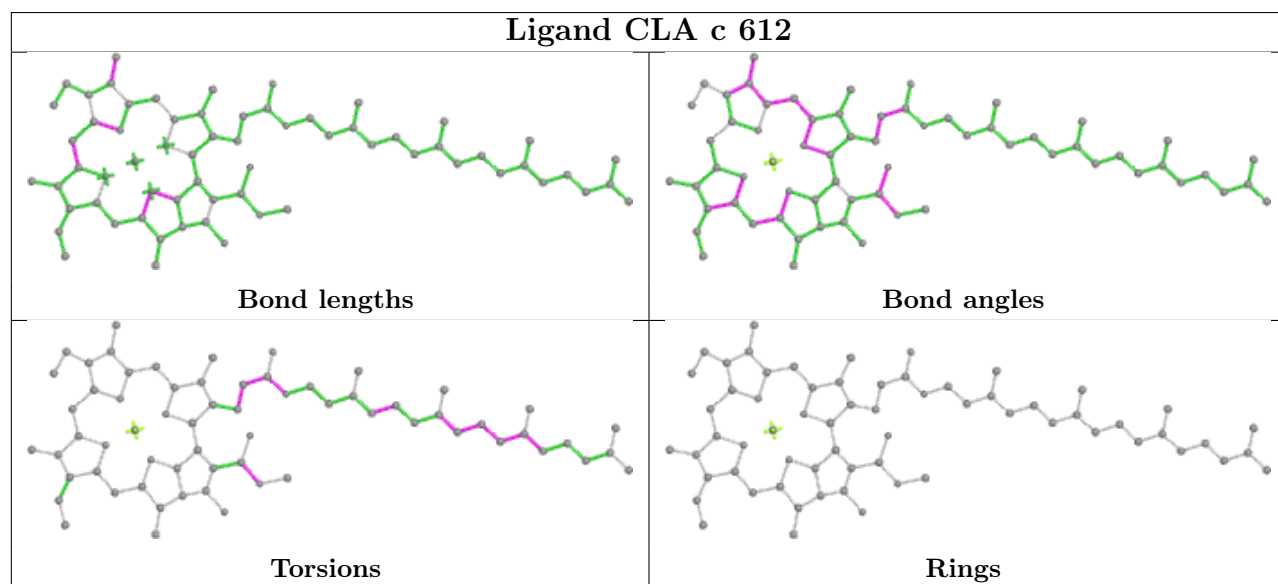
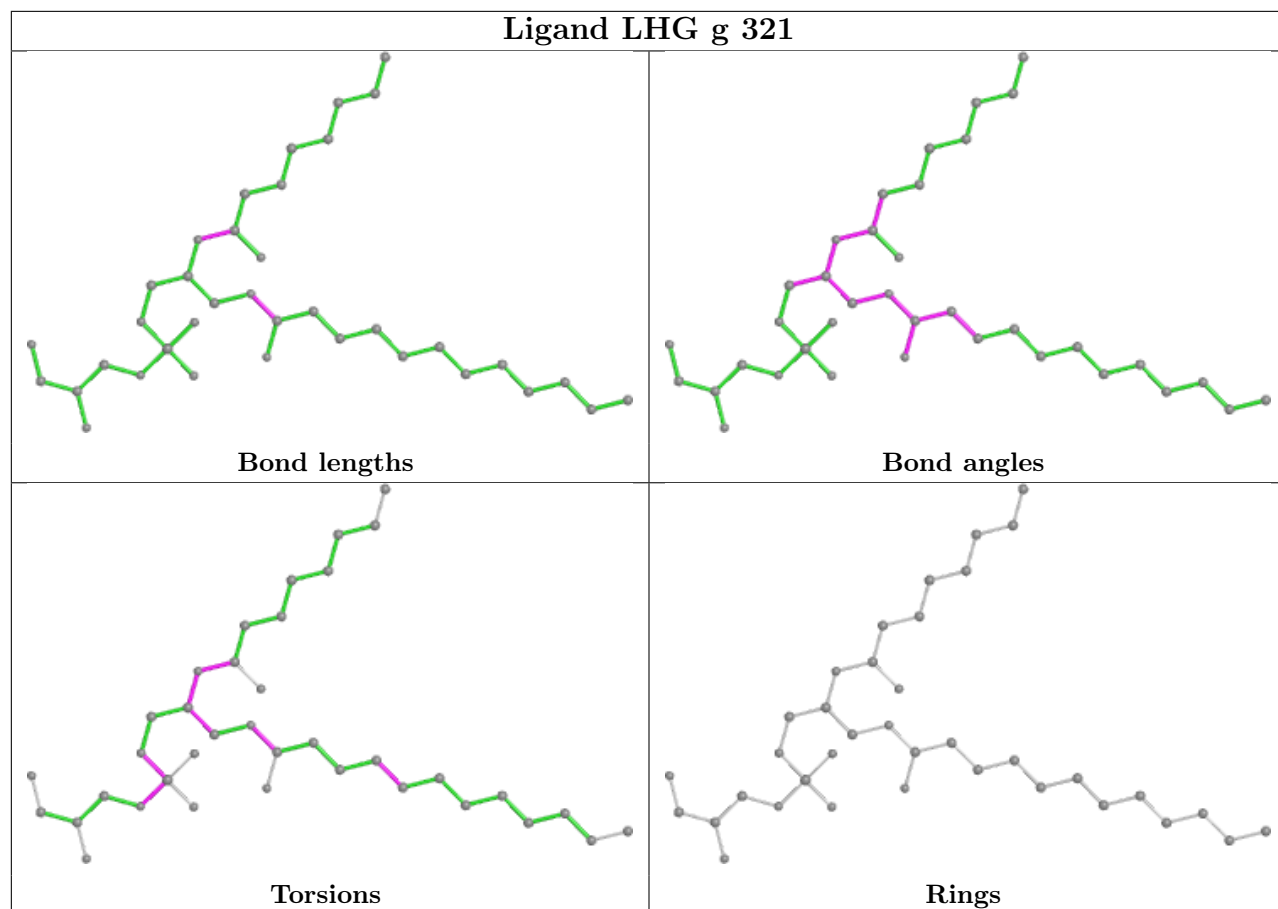


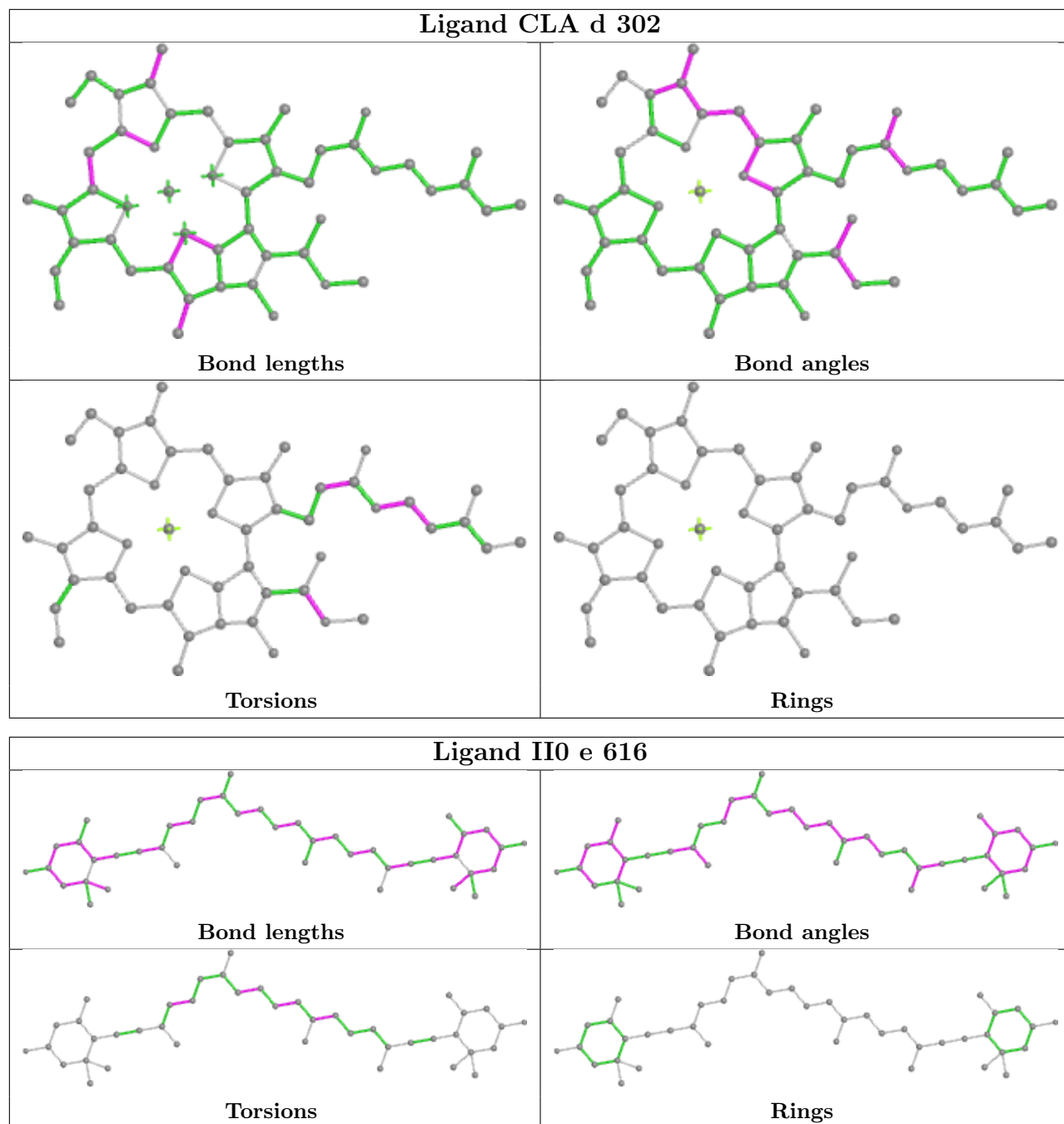


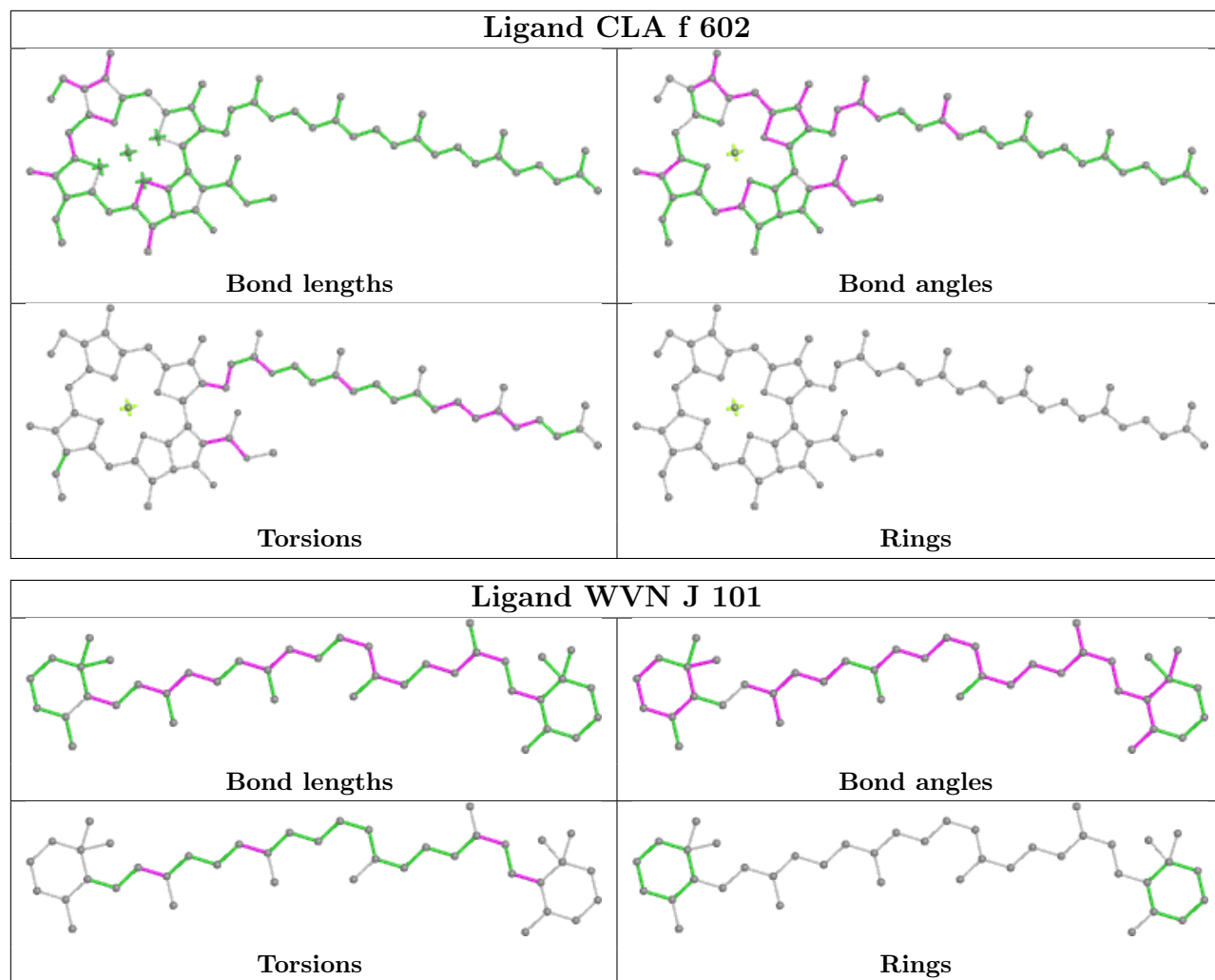


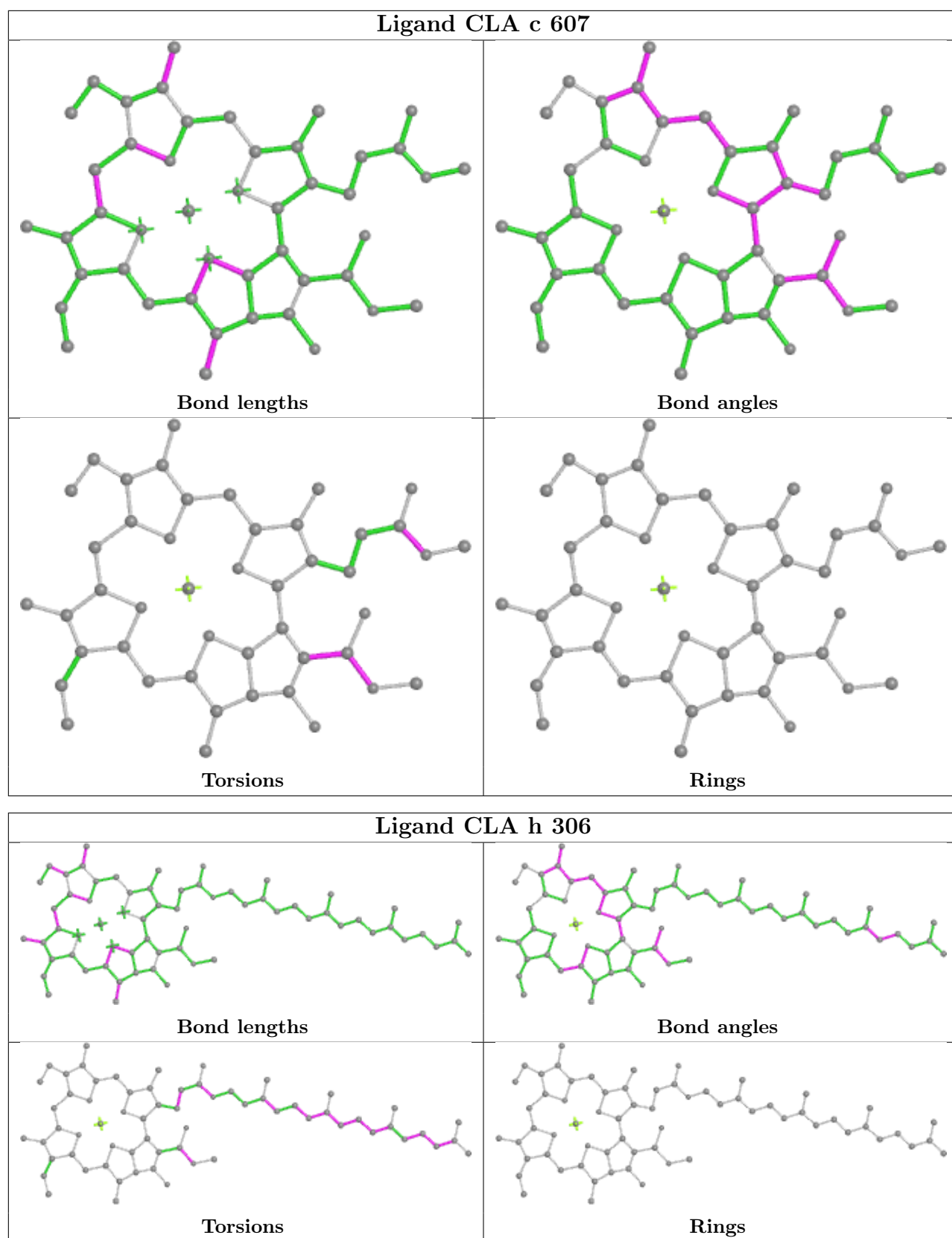


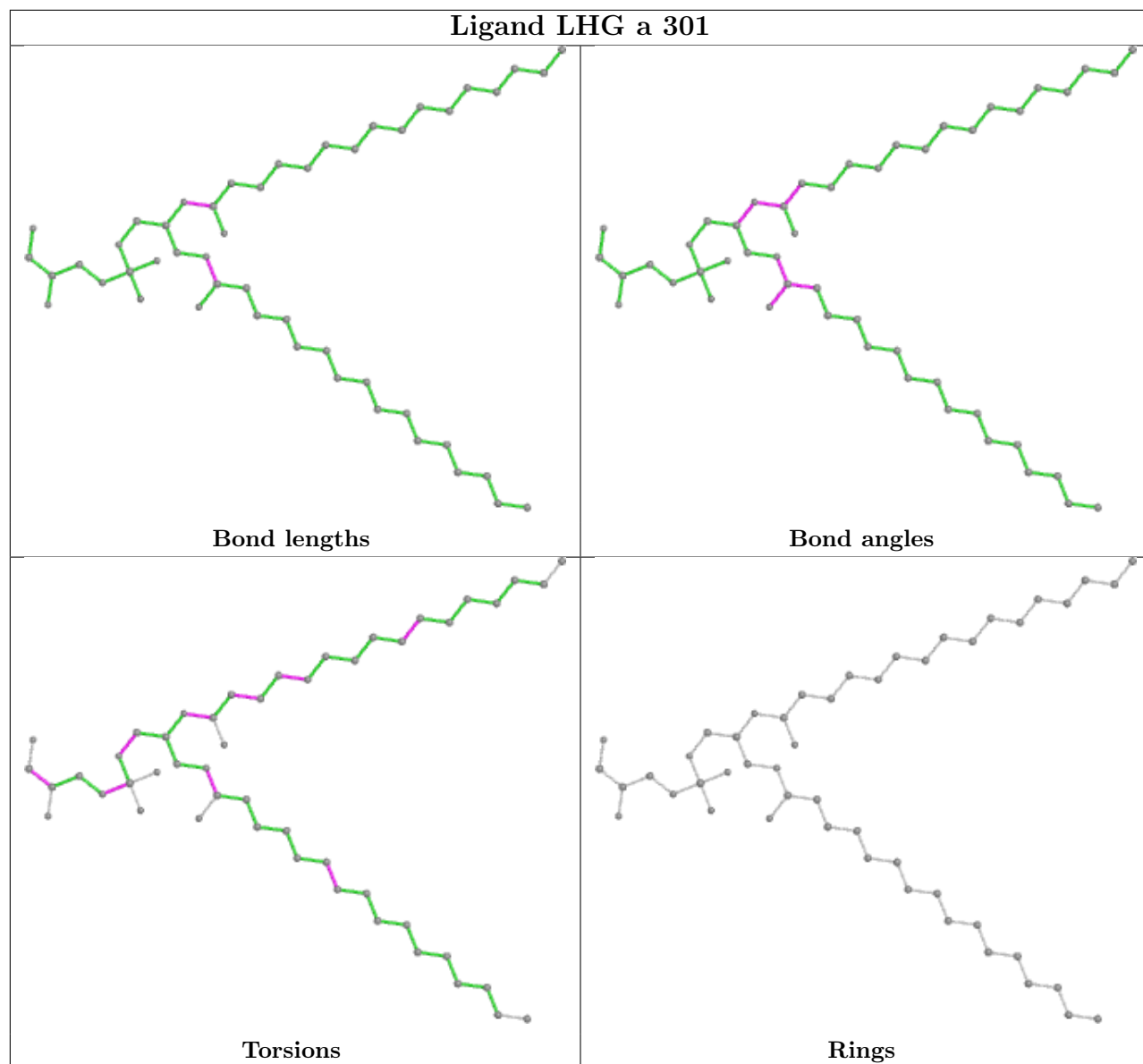


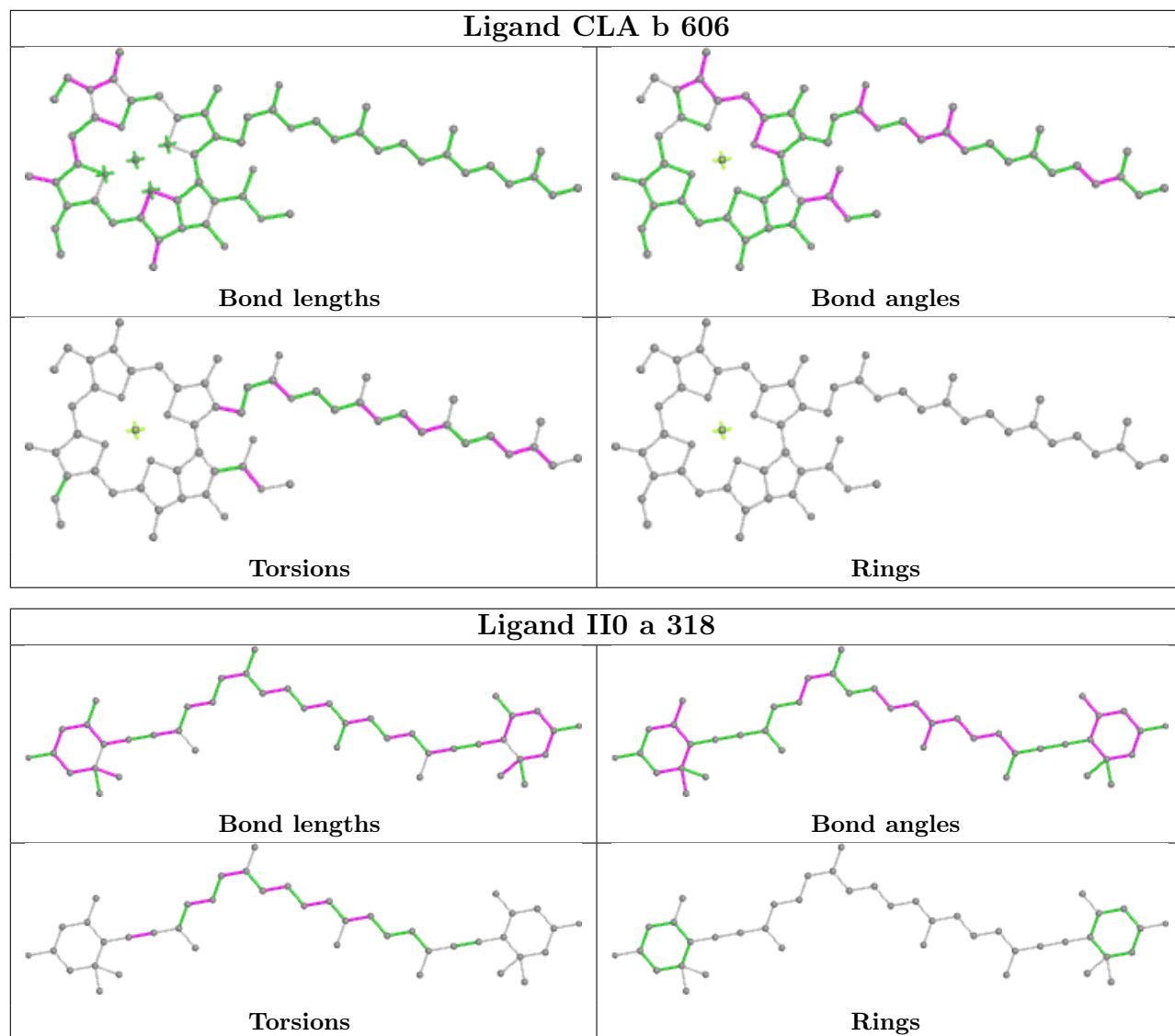


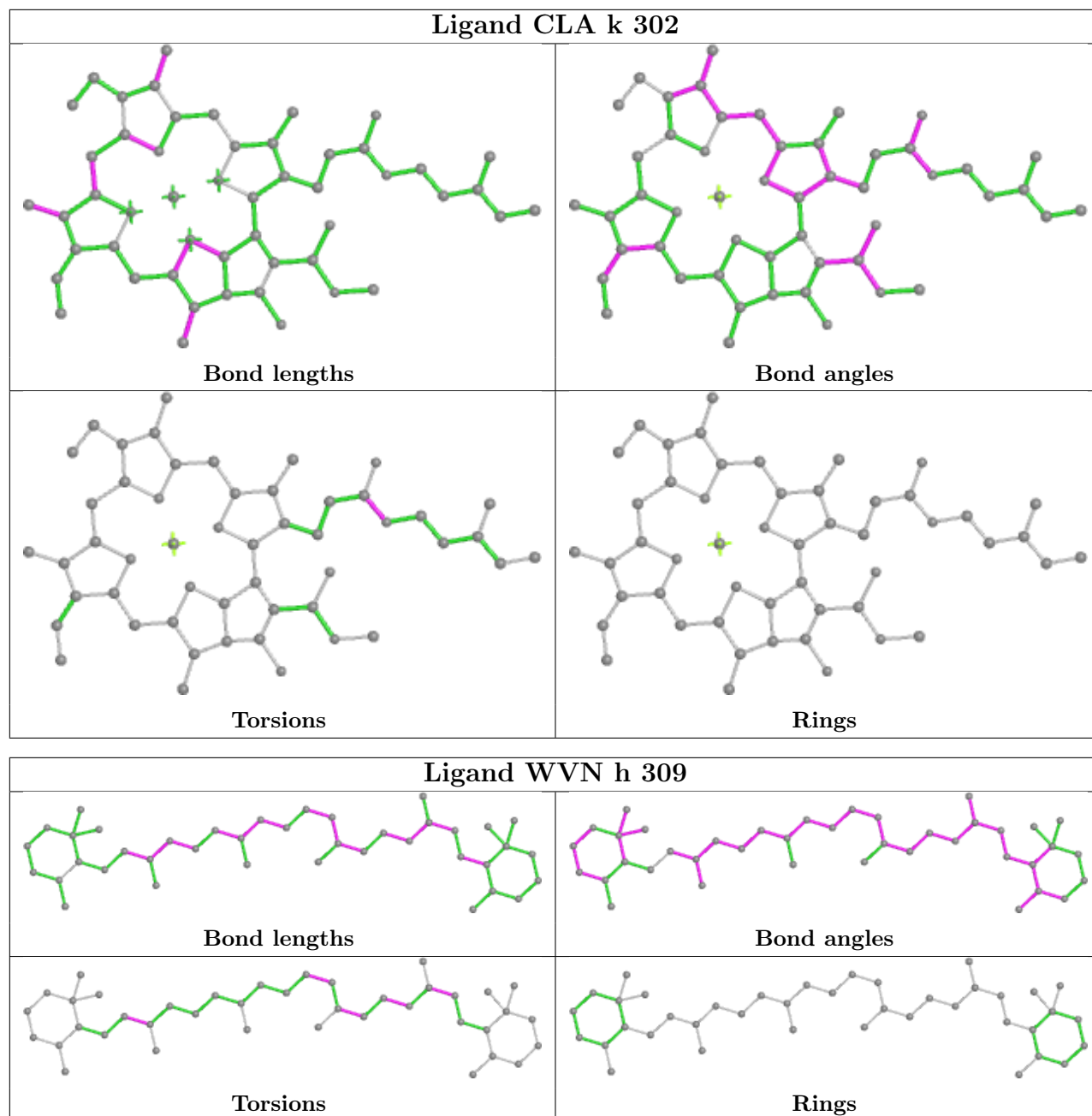


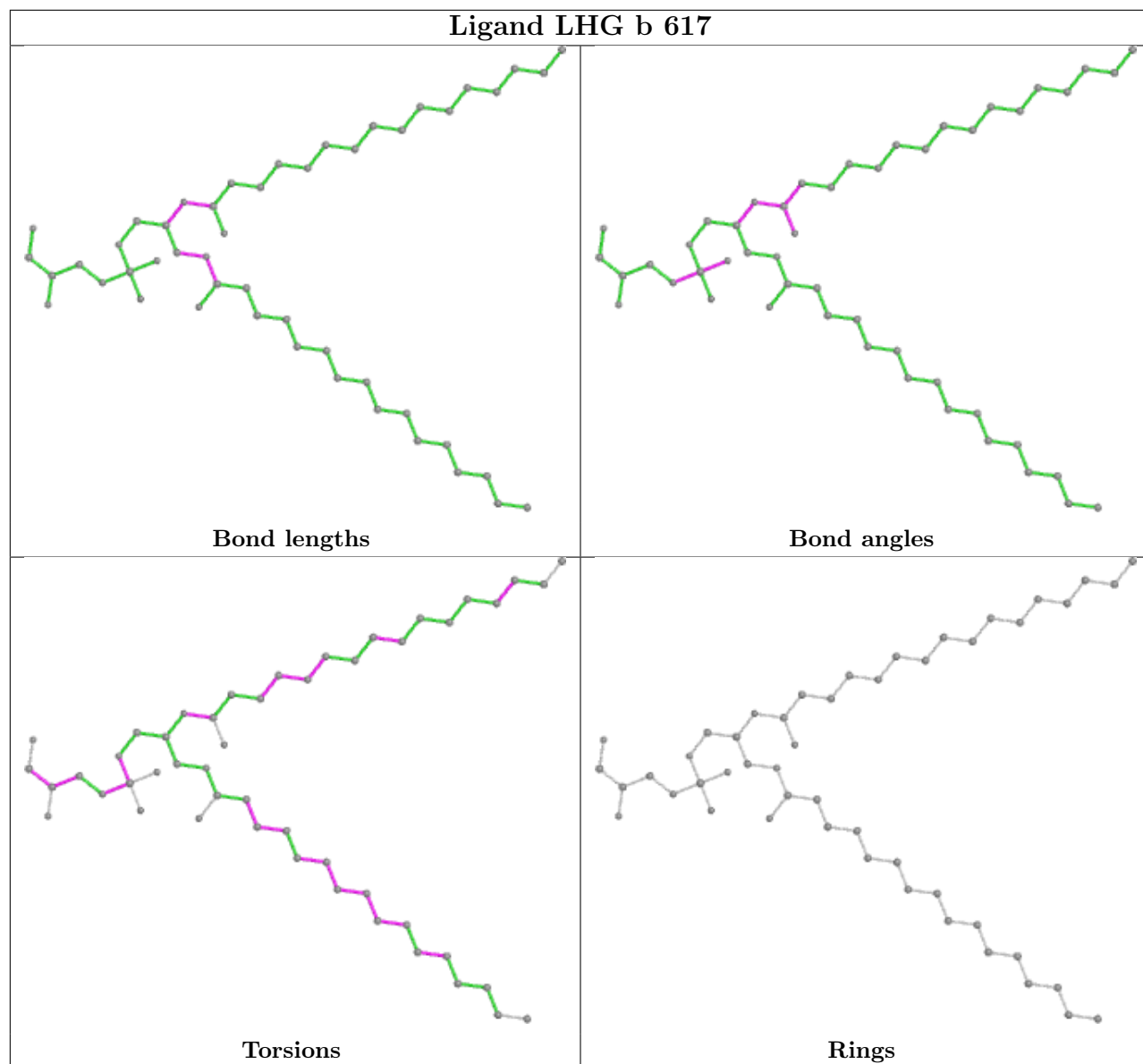


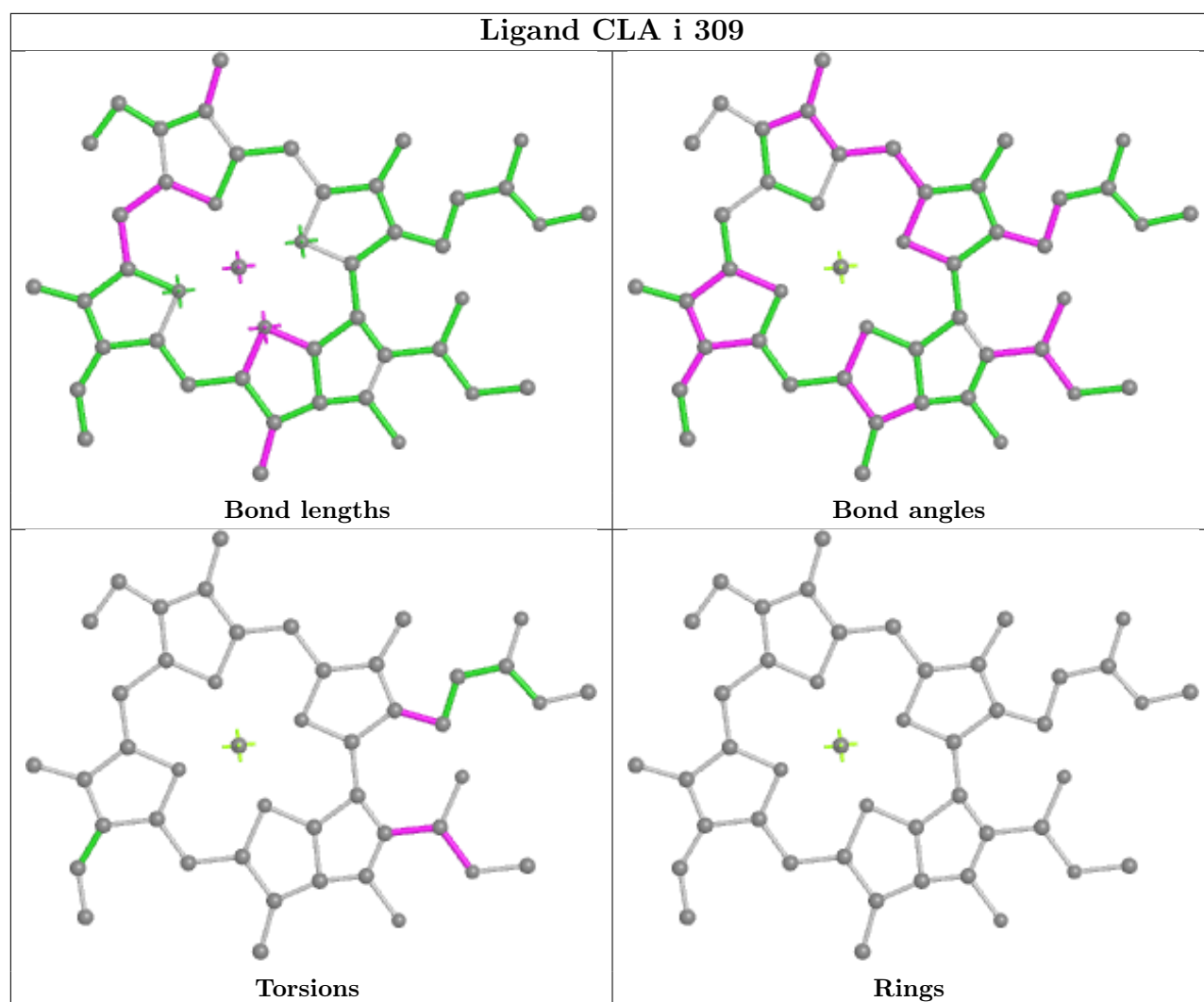












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

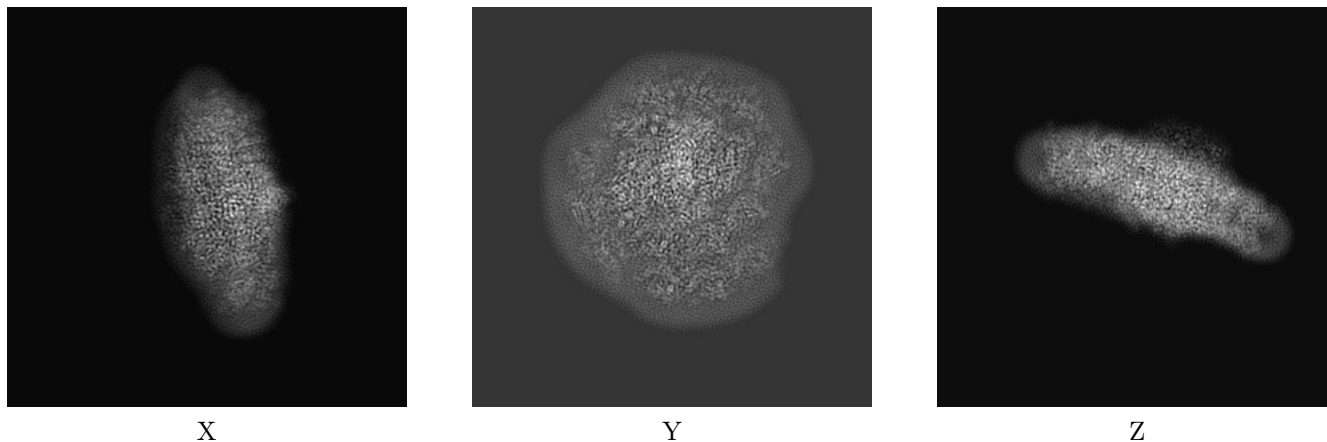
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-37659. These allow visual inspection of the internal detail of the map and identification of artifacts.

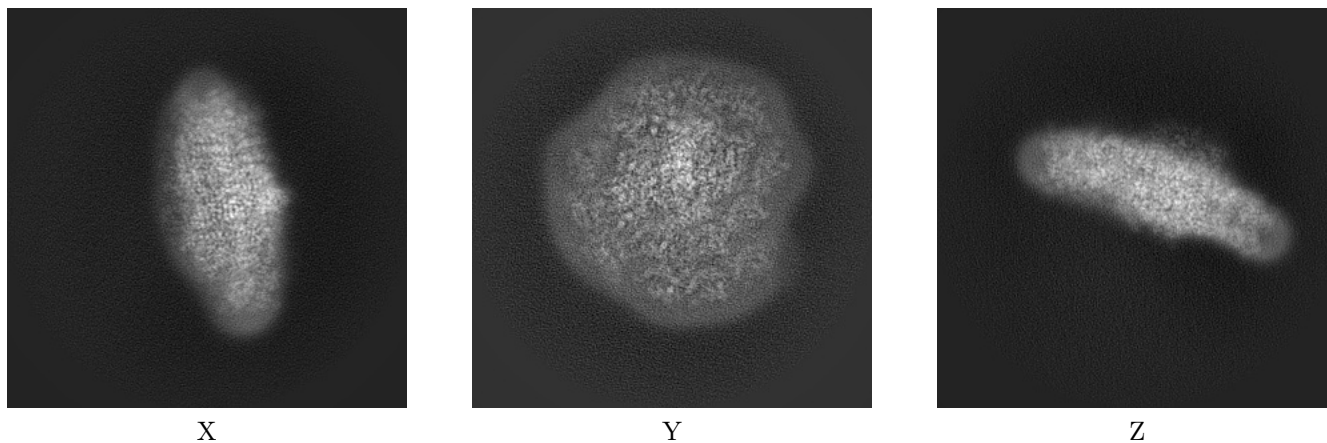
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

6.1.1 Primary map



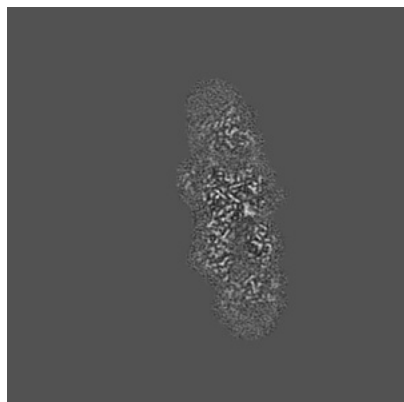
6.1.2 Raw map



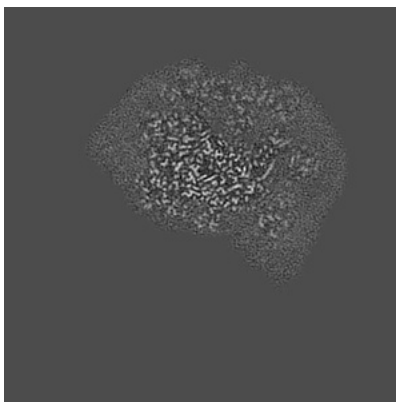
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

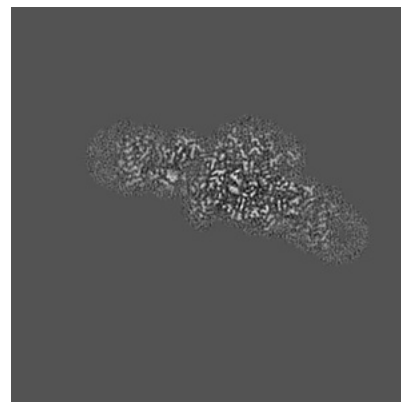
6.2.1 Primary map



X Index: 160

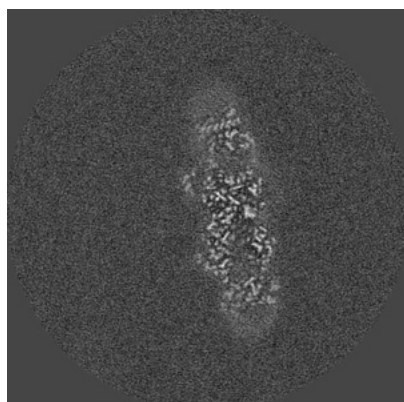


Y Index: 160

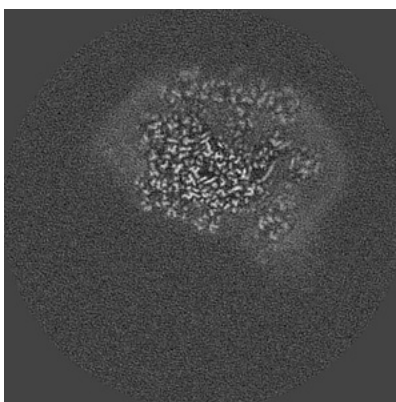


Z Index: 160

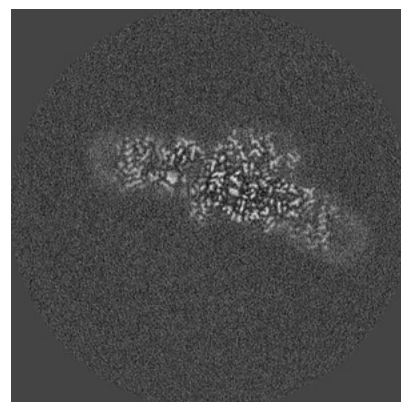
6.2.2 Raw map



X Index: 160



Y Index: 160

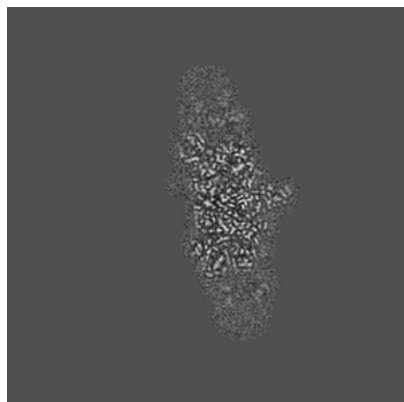


Z Index: 160

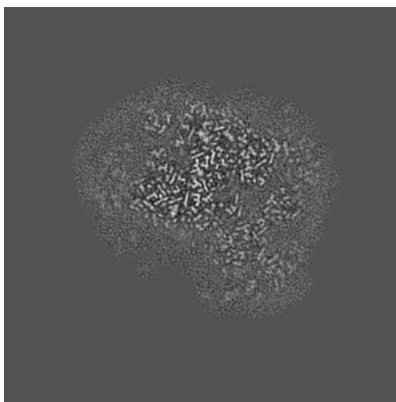
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

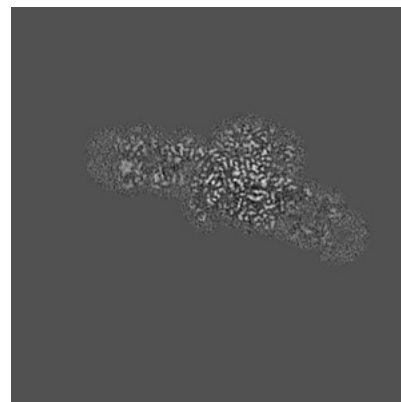
6.3.1 Primary map



X Index: 181

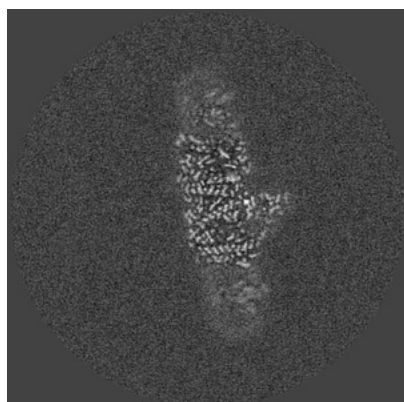


Y Index: 174

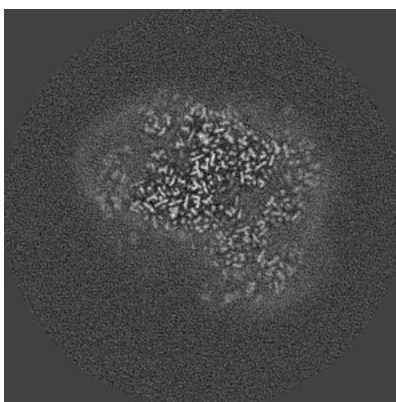


Z Index: 164

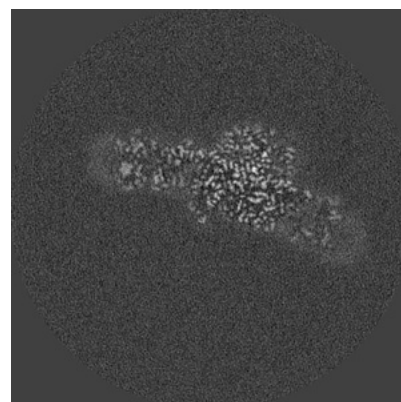
6.3.2 Raw map



X Index: 193



Y Index: 174

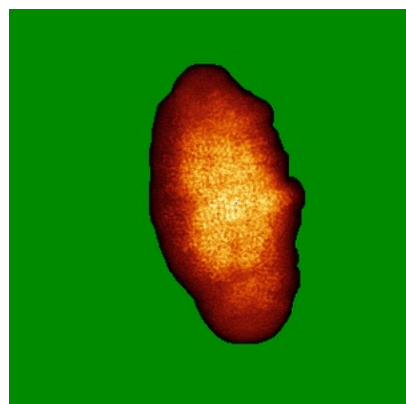


Z Index: 164

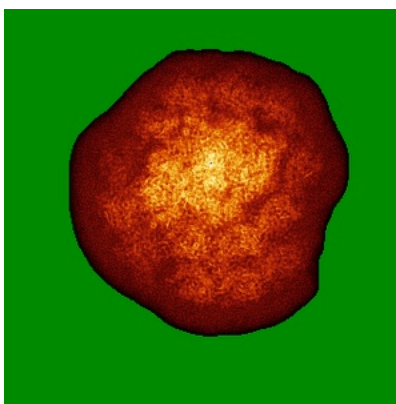
The images above show the largest variance slices of the map in three orthogonal directions.

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

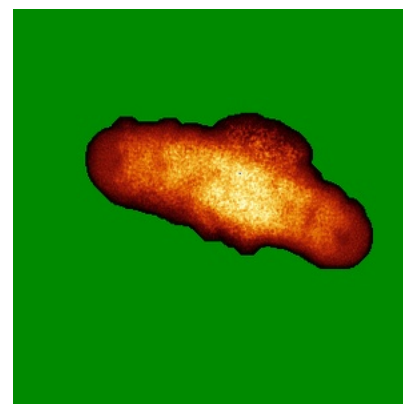
6.4.1 Primary map



X

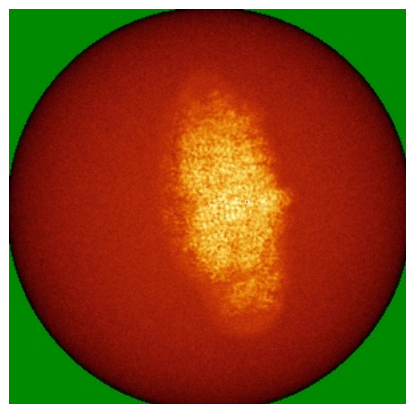


Y

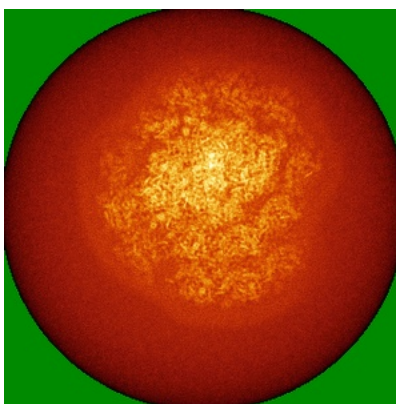


Z

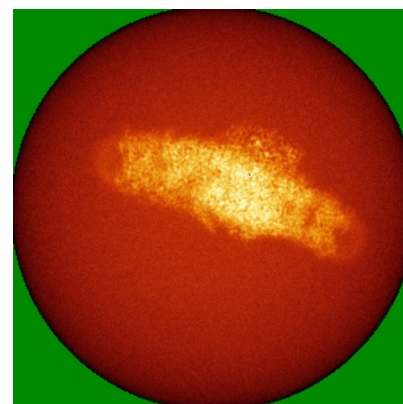
6.4.2 Raw map



X



Y

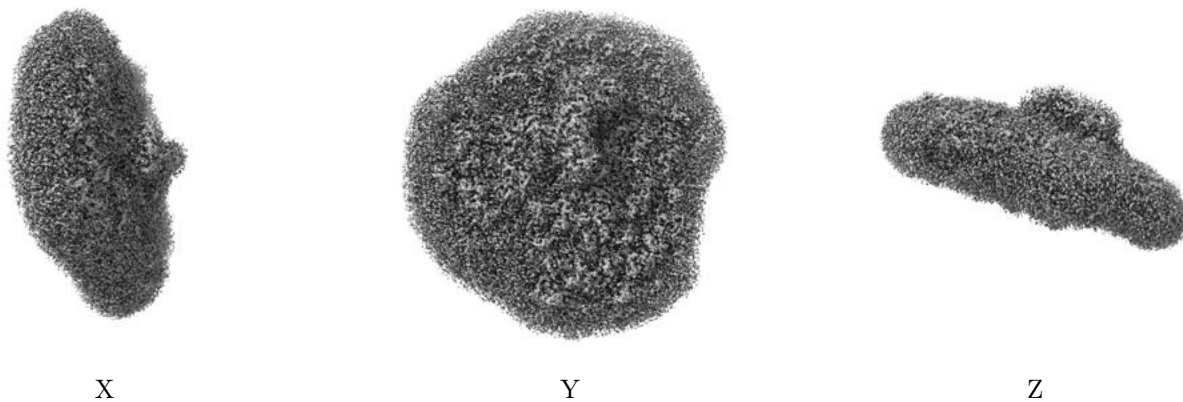


Z

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

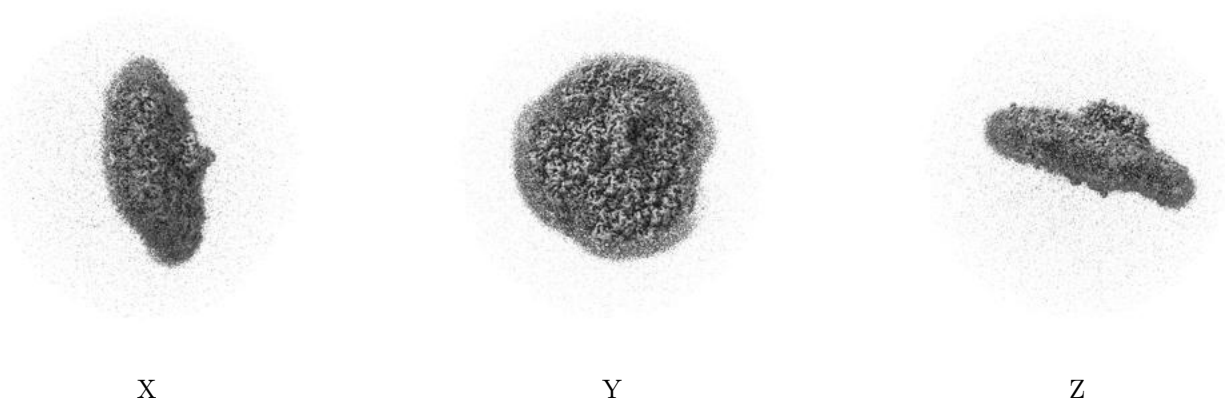
6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.023. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



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

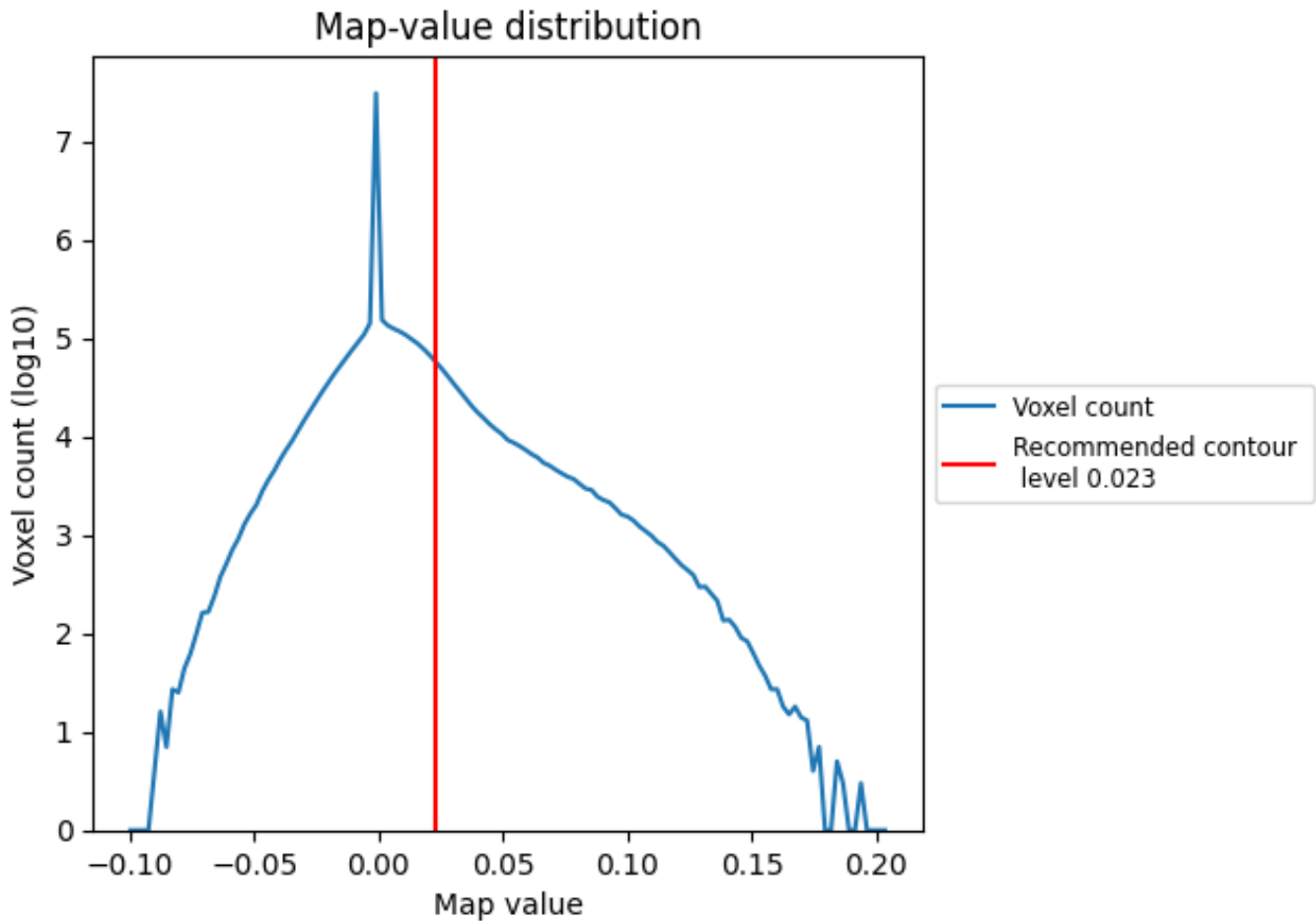
6.6 Mask visualisation [i](#)

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

7 Map analysis [i](#)

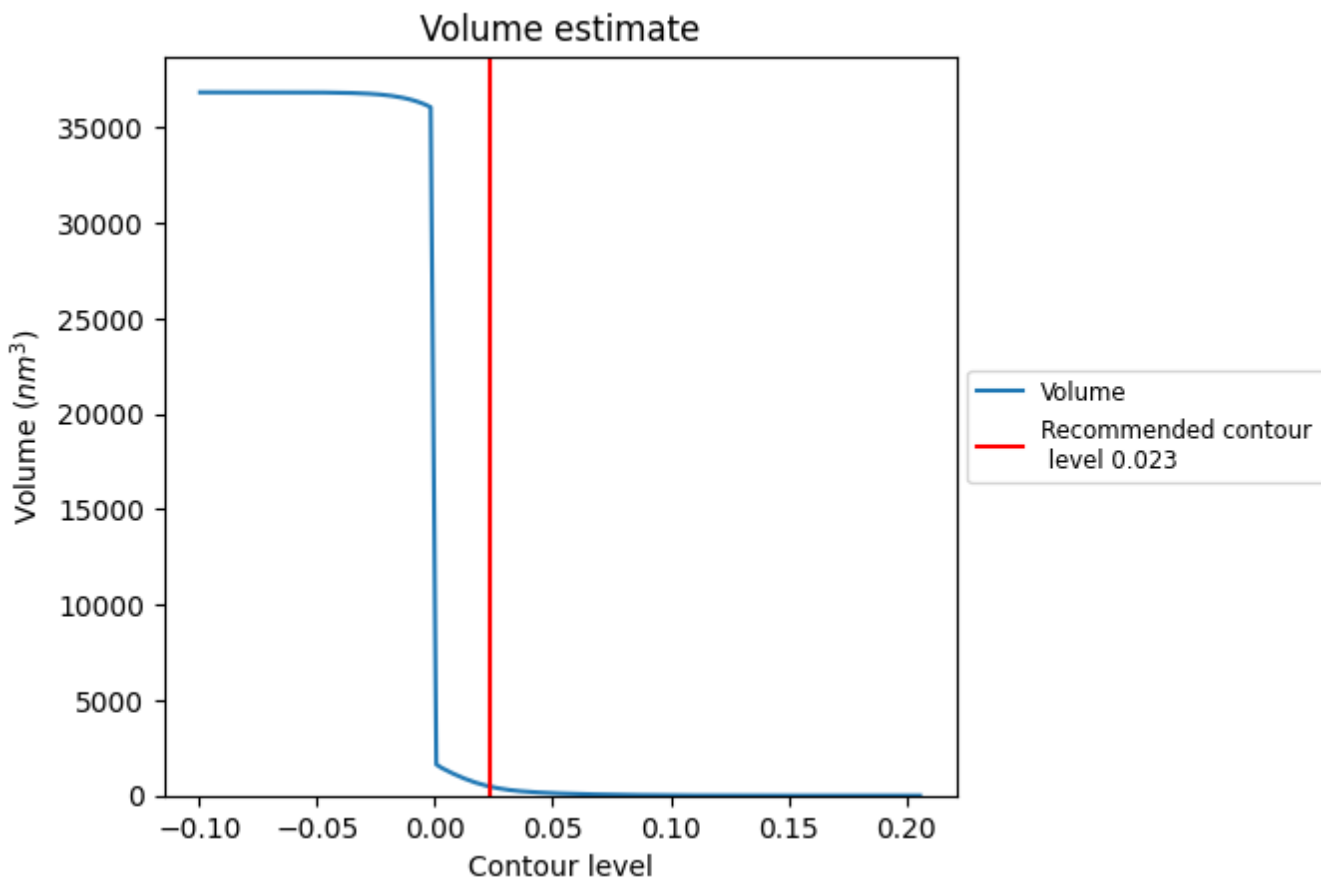
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



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

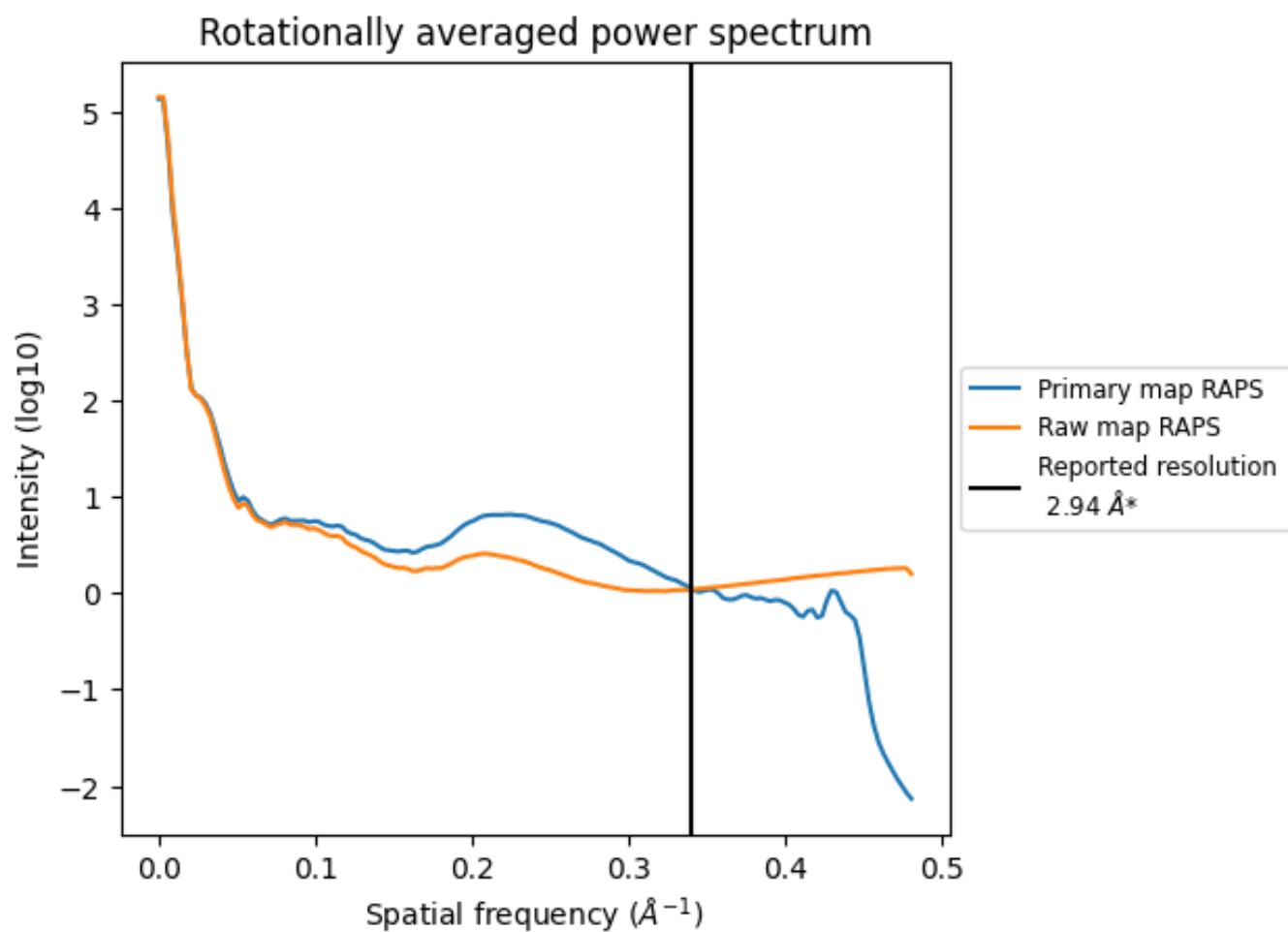
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 484 nm^3 ; this corresponds to an approximate mass of 437 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

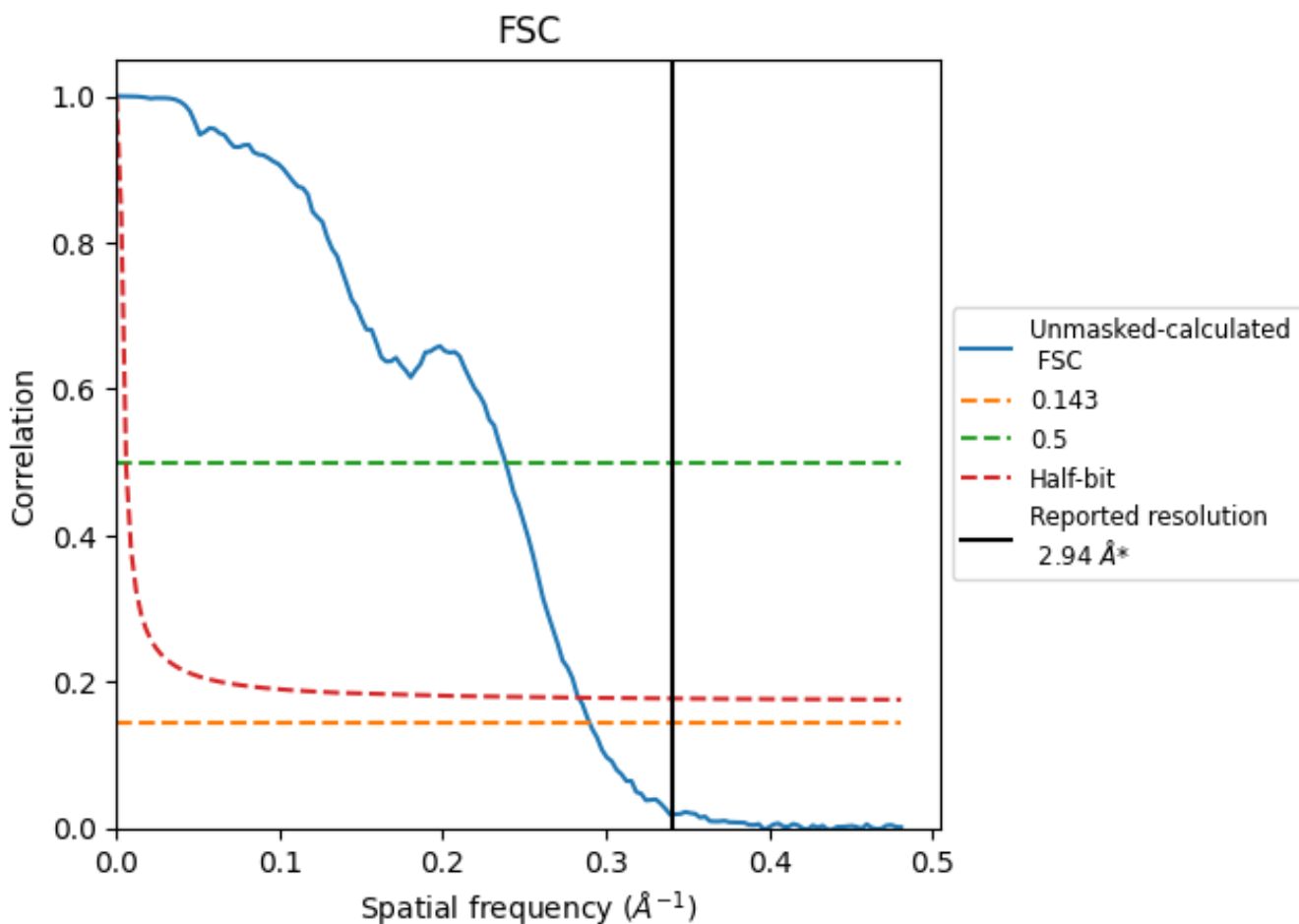


*Reported resolution corresponds to spatial frequency of 0.340 Å⁻¹

8 Fourier-Shell correlation [i](#)

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

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.340 Å⁻¹

8.2 Resolution estimates [i](#)

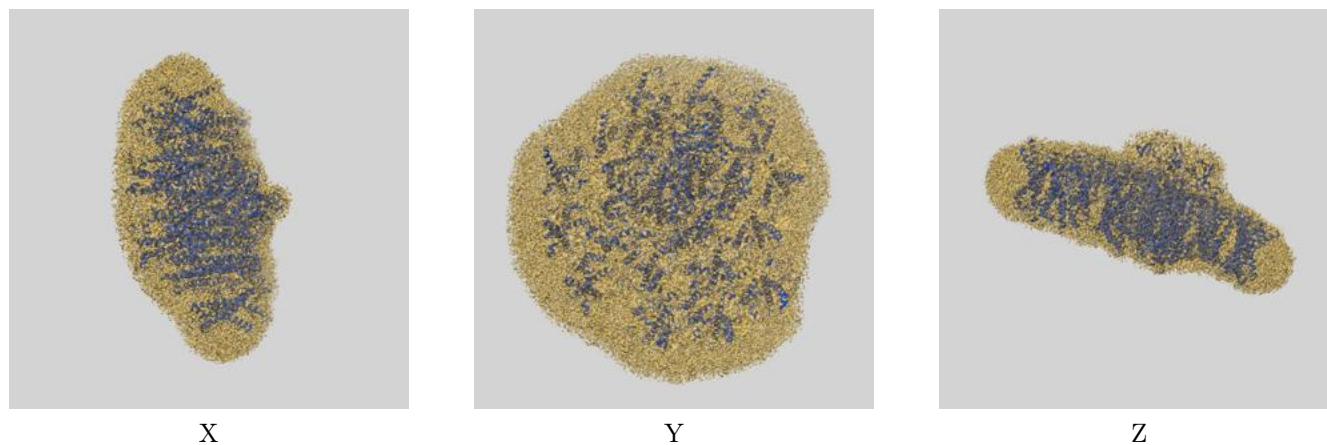
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.94	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	3.45	4.20	3.53

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 3.45 differs from the reported value 2.94 by more than 10 %

9 Map-model fit [i](#)

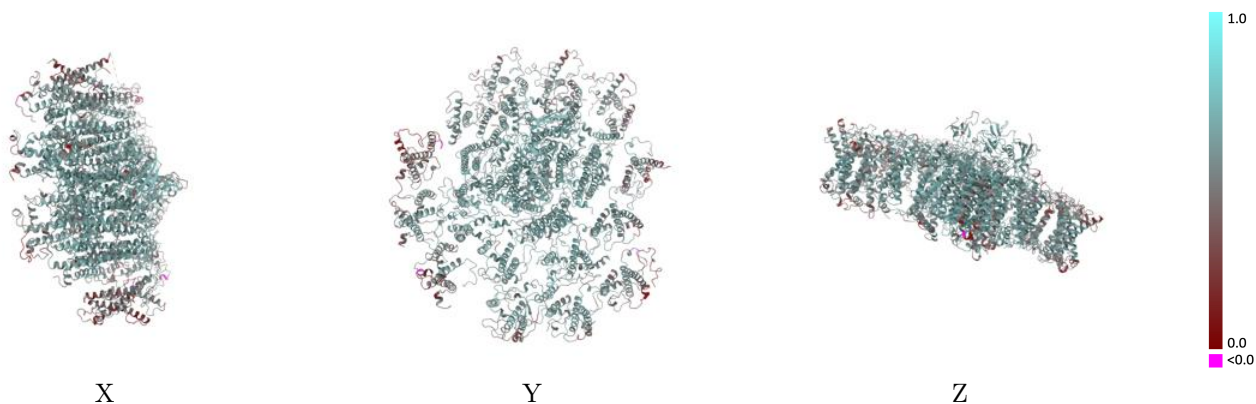
This section contains information regarding the fit between EMDB map EMD-37659 and PDB model 8WMV. Per-residue inclusion information can be found in section 3 on page 40.

9.1 Map-model overlay [i](#)



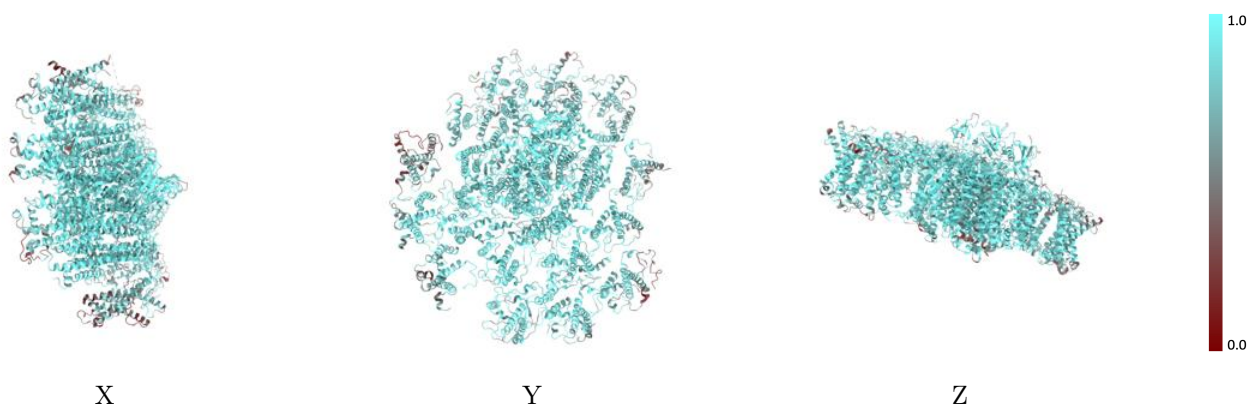
The images above show the 3D surface view of the map at the recommended contour level 0.023 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



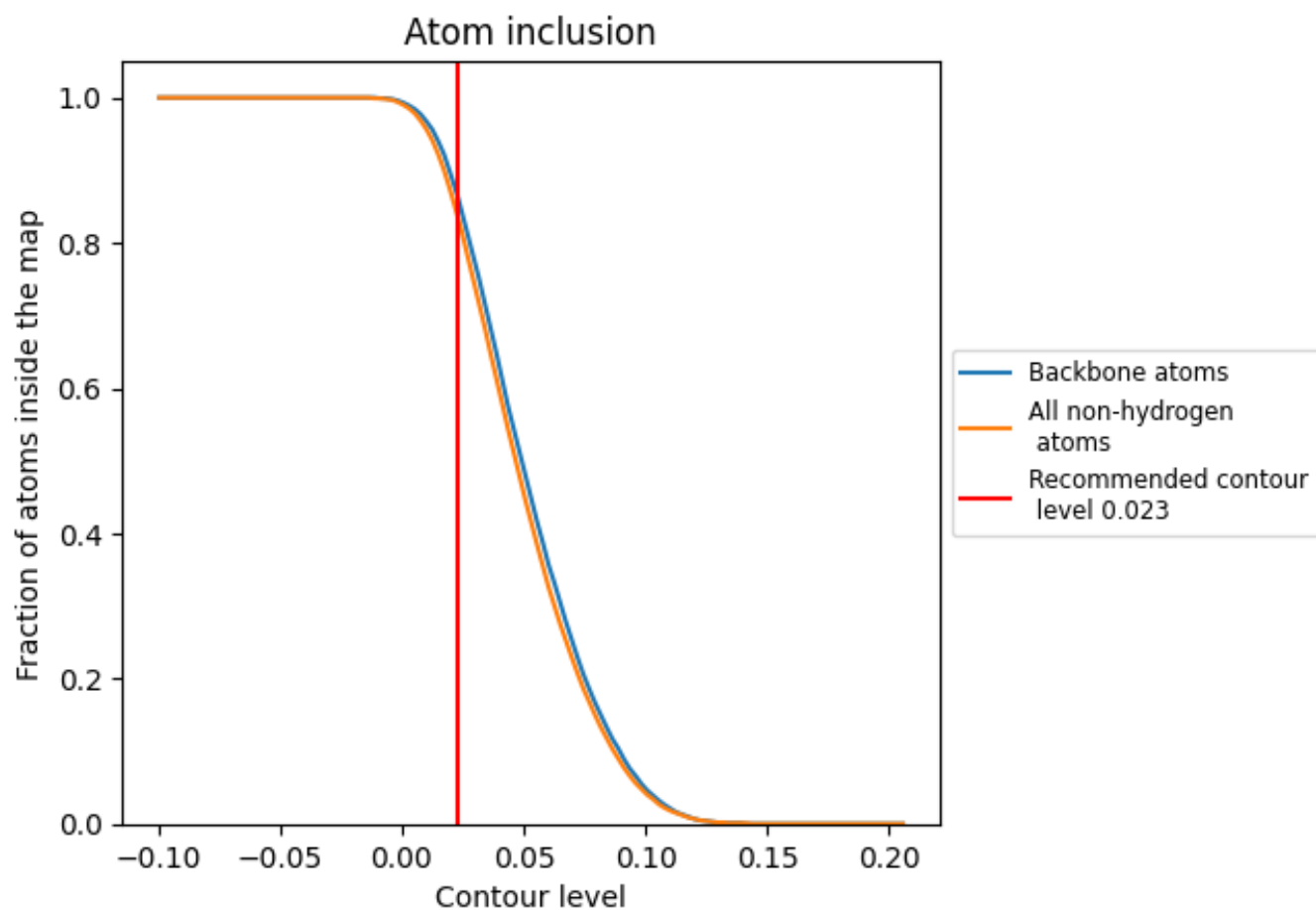
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions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

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



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.023).



























































9.4 Atom inclusion [i](#)



At the recommended contour level, 86% of all backbone atoms, 84% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.023) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.8360	 0.5550
A	 0.9490	 0.6430
B	 0.9550	 0.6440
C	 0.9700	 0.6420
D	 0.8900	 0.5820
E	 0.8700	 0.5730
F	 0.9040	 0.6050
I	 0.9170	 0.5980
J	 0.9030	 0.6120
K	 0.8540	 0.5580
L	 0.8580	 0.5780
M	 0.8990	 0.5790
O	 0.8390	 0.5640
R	 0.9040	 0.5990
a	 0.9020	 0.5930
b	 0.8810	 0.5900
c	 0.8250	 0.5370
d	 0.6560	 0.4160
e	 0.6940	 0.4670
f	 0.7600	 0.5150
g	 0.6950	 0.4750
h	 0.8320	 0.5430
i	 0.5180	 0.3390
j	 0.7880	 0.5030
k	 0.6630	 0.4110
l	 0.8050	 0.5130
m	 0.8210	 0.5450
n	 0.6470	 0.4390
s	 0.8520	 0.5650

