



Full wwPDB EM Validation Report ⓘ

May 22, 2024 – 06:37 PM JST

PDB ID : 8WMW
EMDB ID : EMD-37660
Title : The structure of PSI-11CAC at the stationary growth phase
Authors : Zhang, S.M.; Si, L.; Li, M.
Deposited on : 2023-10-04
Resolution : 3.30 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

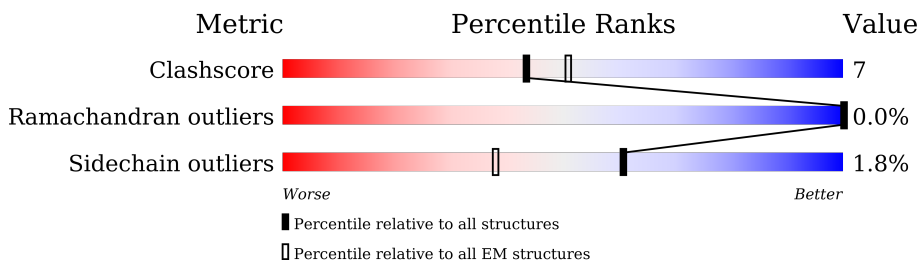
EMDB validation analysis : 0.0.1.dev92
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (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 3.30 Å.

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



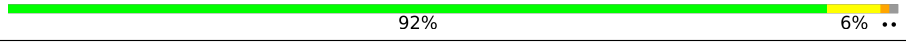








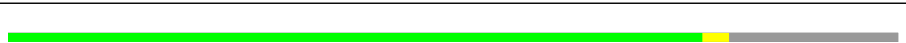

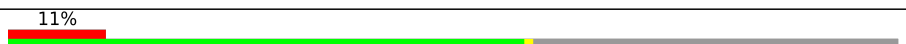


Metric	Whole archive (#Entries)	EM structures (#Entries)
Clashscore	158937	4297
Ramachandran outliers	154571	4023
Sidechain outliers	154315	3826

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

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

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Mol	Chain	Length	Quality of chain
9	L	153	 92% 6% ..
10	M	30	 90% 10%
11	O	146	 5% 60% 11% . 29%
12	K	87	 . 70% 9% 21%
13	c	216	 6% 76% . 21%
14	a	216	 . 79% . 19%
15	b	223	 11% 86% . 13%
16	h	225	 70% . 28%
17	e	203	 . 83% 17%
18	k	241	 . 74% . 25%
19	f	212	 77% 5% 18%
19	j	212	 78% . 19%
20	i	218	 15% 78% . 20%
21	d	213	 11% 58% . 41%
22	g	255	 . 84% . 14%
23	R	129	 64% 5% 30%

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
24	CLA	A	801	X	-	-	-
24	CLA	A	802	X	-	-	-
24	CLA	A	803	X	-	-	-
24	CLA	A	804	X	-	-	-
24	CLA	A	805	X	-	-	-
24	CLA	A	807	X	-	-	-
24	CLA	A	808	X	-	-	-
24	CLA	A	809	X	-	-	-
24	CLA	A	810	X	-	-	-
24	CLA	A	811	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
24	CLA	A	812	X	-	-	-
24	CLA	A	813	X	-	-	-
24	CLA	A	815	X	-	-	-
24	CLA	A	816	X	-	-	-
24	CLA	A	817	X	-	-	-
24	CLA	A	819	X	-	-	-
24	CLA	A	820	X	-	-	-
24	CLA	A	821	X	-	-	-
24	CLA	A	822	X	-	-	-
24	CLA	A	823	X	-	-	-
24	CLA	A	824	X	-	-	-
24	CLA	A	825	X	-	-	-
24	CLA	A	826	X	-	-	-
24	CLA	A	827	X	-	-	-
24	CLA	A	828	X	-	-	-
24	CLA	A	829	X	-	-	-
24	CLA	A	830	X	-	-	-
24	CLA	A	831	X	-	-	-
24	CLA	A	833	X	-	-	-
24	CLA	A	834	X	-	-	-
24	CLA	A	835	X	-	-	-
24	CLA	A	836	X	-	-	-
24	CLA	A	837	X	-	-	-
24	CLA	A	838	X	-	-	-
24	CLA	A	839	X	-	-	-
24	CLA	A	840	X	-	-	-
24	CLA	A	841	X	-	-	-
24	CLA	A	842	X	-	-	-
24	CLA	A	852	X	-	-	-
24	CLA	A	853	X	-	-	-
24	CLA	A	855	X	-	-	-
24	CLA	A	856	X	-	-	-
24	CLA	B	801	X	-	-	-
24	CLA	B	803	X	-	-	-
24	CLA	B	804	X	-	-	-
24	CLA	B	805	X	-	-	-
24	CLA	B	806	X	-	-	-
24	CLA	B	807	X	-	-	-
24	CLA	B	808	X	-	-	-
24	CLA	B	809	X	-	-	-
24	CLA	B	810	X	-	-	-
24	CLA	B	811	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
24	CLA	B	812	X	-	-	-
24	CLA	B	813	X	-	-	-
24	CLA	B	814	X	-	-	-
24	CLA	B	815	X	-	-	-
24	CLA	B	816	X	-	-	-
24	CLA	B	818	X	-	-	-
24	CLA	B	821	X	-	-	-
24	CLA	B	822	X	-	-	-
24	CLA	B	823	X	-	-	-
24	CLA	B	824	X	-	-	-
24	CLA	B	825	X	-	-	-
24	CLA	B	826	X	-	-	-
24	CLA	B	827	X	-	-	-
24	CLA	B	829	X	-	-	-
24	CLA	B	830	X	-	-	-
24	CLA	B	831	X	-	-	-
24	CLA	B	832	X	-	-	-
24	CLA	B	833	X	-	-	-
24	CLA	B	834	X	-	-	-
24	CLA	B	835	X	-	-	-
24	CLA	B	836	X	-	-	-
24	CLA	B	837	X	-	-	-
24	CLA	B	838	X	-	-	-
24	CLA	B	839	X	-	-	-
24	CLA	F	201	X	-	-	-
24	CLA	F	202	X	-	-	-
24	CLA	I	102	X	-	-	-
24	CLA	J	103	X	-	-	-
24	CLA	J	105	X	-	-	-
24	CLA	K	101	X	-	-	-
24	CLA	K	102	X	-	-	-
24	CLA	L	202	X	-	-	-
24	CLA	L	203	X	-	-	-
24	CLA	L	204	X	-	-	-
24	CLA	L	207	X	-	-	-
24	CLA	O	201	X	-	-	-
24	CLA	O	205	X	-	-	-
24	CLA	R	203	X	-	-	-
24	CLA	a	302	X	-	-	-
24	CLA	a	303	X	-	-	-
24	CLA	a	304	X	-	-	-
24	CLA	a	305	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
24	CLA	a	306	X	-	-	-
24	CLA	a	307	X	-	-	-
24	CLA	a	308	X	-	-	-
24	CLA	a	309	X	-	-	-
24	CLA	a	310	X	-	-	-
24	CLA	a	311	X	-	-	-
24	CLA	a	312	X	-	-	-
24	CLA	b	303	X	-	-	-
24	CLA	b	304	X	-	-	-
24	CLA	b	305	X	-	-	-
24	CLA	b	307	X	-	-	-
24	CLA	b	308	X	-	-	-
24	CLA	b	309	X	-	-	-
24	CLA	b	310	X	-	-	-
24	CLA	b	311	X	-	-	-
24	CLA	b	312	X	-	-	-
24	CLA	b	313	X	-	-	-
24	CLA	c	601	X	-	-	-
24	CLA	c	602	X	-	-	-
24	CLA	c	603	X	-	-	-
24	CLA	c	604	X	-	-	-
24	CLA	c	605	X	-	-	-
24	CLA	c	607	X	-	-	-
24	CLA	c	608	X	-	-	-
24	CLA	c	609	X	-	-	-
24	CLA	c	611	X	-	-	-
24	CLA	c	612	X	-	-	-
24	CLA	d	301	X	-	-	-
24	CLA	d	302	X	-	-	-
24	CLA	d	303	X	-	-	-
24	CLA	d	304	X	-	-	-
24	CLA	d	306	X	-	-	-
24	CLA	d	307	X	-	-	-
24	CLA	d	308	X	-	-	-
24	CLA	d	309	X	-	-	-
24	CLA	e	601	X	-	-	-
24	CLA	e	602	X	-	-	-
24	CLA	e	603	X	-	-	-
24	CLA	e	604	X	-	-	-
24	CLA	e	605	X	-	-	-
24	CLA	e	606	X	-	-	-
24	CLA	e	607	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
24	CLA	e	608	X	-	-	-
24	CLA	e	611	X	-	-	-
24	CLA	f	601	X	-	-	-
24	CLA	f	602	X	-	-	-
24	CLA	f	603	X	-	-	-
24	CLA	f	607	X	-	-	-
24	CLA	f	608	X	-	-	-
24	CLA	f	609	X	-	-	-
24	CLA	f	610	X	-	-	-
24	CLA	f	612	X	-	-	-
24	CLA	f	613	X	-	-	-
24	CLA	g	302	X	-	-	-
24	CLA	g	303	X	-	-	-
24	CLA	g	304	X	-	-	-
24	CLA	g	305	X	-	-	-
24	CLA	g	306	X	-	-	-
24	CLA	g	307	X	-	-	-
24	CLA	g	308	X	-	-	-
24	CLA	g	309	X	-	-	-
24	CLA	g	310	X	-	-	-
24	CLA	g	311	X	-	-	-
24	CLA	g	315	X	-	-	-
24	CLA	g	322	X	-	-	-
24	CLA	h	301	X	-	-	-
24	CLA	h	302	X	-	-	-
24	CLA	h	303	X	-	-	-
24	CLA	h	304	X	-	-	-
24	CLA	h	305	X	-	-	-
24	CLA	h	306	X	-	-	-
24	CLA	h	307	X	-	-	-
24	CLA	h	312	X	-	-	-
24	CLA	i	601	X	-	-	-
24	CLA	i	602	X	-	-	-
24	CLA	i	603	X	-	-	-
24	CLA	i	604	X	-	-	-
24	CLA	i	605	X	-	-	-
24	CLA	i	606	X	-	-	-
24	CLA	i	607	X	-	-	-
24	CLA	i	608	X	-	-	-
24	CLA	i	610	X	-	-	-
24	CLA	i	611	X	-	-	-
24	CLA	j	302	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
24	CLA	j	303	X	-	-	-
24	CLA	j	304	X	-	-	-
24	CLA	j	306	X	-	-	-
24	CLA	j	307	X	-	-	-
24	CLA	j	308	X	-	-	-
24	CLA	j	309	X	-	-	-
24	CLA	j	310	X	-	-	-
24	CLA	j	311	X	-	-	-
24	CLA	j	313	X	-	-	-
24	CLA	j	314	X	-	-	-
24	CLA	k	601	X	-	-	-
24	CLA	k	602	X	-	-	-
24	CLA	k	603	X	-	-	-
24	CLA	k	604	X	-	-	-
24	CLA	k	605	X	-	-	-
24	CLA	k	607	X	-	-	-
24	CLA	k	608	X	-	-	-
24	CLA	k	609	X	-	-	-
24	CLA	k	610	X	-	-	-
29	SF4	A	854	-	-	X	-
29	SF4	C	101	-	-	X	-
29	SF4	C	102	-	-	X	-

2 Entry composition

There are 36 unique types of molecules in this entry. The entry contains 51054 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	1084	692	186	203	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 CAC-c.

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

- Molecule 14 is a protein called CAC-a.

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

- Molecule 15 is a protein called CAC-b.

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

- Molecule 16 is a protein called CAC-h.

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

- Molecule 17 is a protein called CAC-e.

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

- Molecule 18 is a protein called CAC-k.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	k	180	Total	C	N	O	S	0	0
			1346	872	223	239	12		

- Molecule 19 is a protein called CAC-f.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	f	174	Total	C	N	O	S	0	0
			1302	842	212	240	8		
19	j	172	Total	C	N	O	S	0	0
			1293	834	212	239	8		

- Molecule 20 is a protein called CAC-i.

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

- Molecule 21 is a protein called CAC-d.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
21	d	126	950	609	165	167	9	0	0

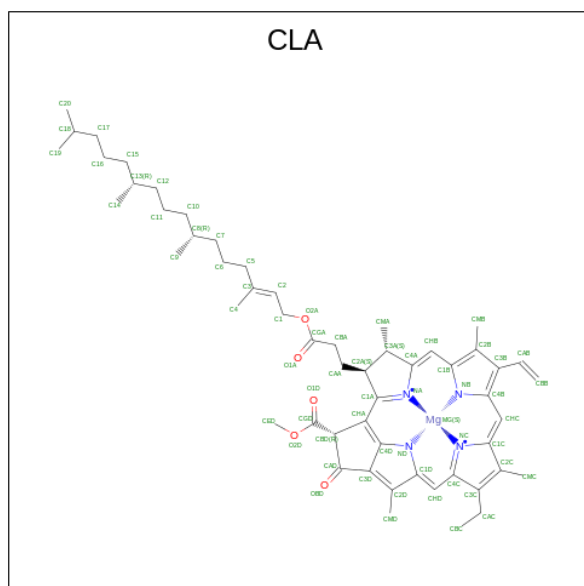
- Molecule 22 is a protein called CAC-g.

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

- Molecule 23 is a protein called PsaR.

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

- Molecule 24 is CHLOROPHYLL A (three-letter code: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



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

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	56	46	1	4	5	0
24	A	1	62	52	1	4	5	0
24	A	1	54	44	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	45	35	1	4	5	0
24	A	1	50	40	1	4	5	0
24	A	1	45	35	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	45	35	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	49	39	1	4	5	0
24	A	1	51	41	1	4	5	0
24	A	1	55	45	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	A	1	65	55	1	4	5	0
24	A	1	62	52	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	50	40	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	50	40	1	4	5	0
24	A	1	51	41	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	52	42	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	65	55	1	4	5	0
24	A	1	41	33	1	4	3	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	54	44	1	4	5	0
24	B	1	55	45	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	60	50	1	4	5	0
24	B	1	59	49	1	4	5	0
24	B	1	55	45	1	4	5	0
24	B	1	59	49	1	4	5	0
24	B	1	57	47	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	46	36	1	4	5	0
24	B	1	55	45	1	4	5	0
24	B	1	53	43	1	4	5	0
24	B	1	65	55	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	B	1	64	54	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	50	40	1	4	5	0
24	B	1	49	39	1	4	5	0
24	B	1	50	40	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	45	35	1	4	5	0
24	B	1	58	48	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	47	37	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	57	47	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	B	1	65	55	1	4	5	0
24	F	1	65	55	1	4	5	0
24	F	1	52	42	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	I	1	65	55	1	4	5	0
24	J	1	42	34	1	4	3	0
24	J	1	51	41	1	4	5	0
24	L	1	49	39	1	4	5	0
24	L	1	65	55	1	4	5	0
24	L	1	50	40	1	4	5	0
24	L	1	51	41	1	4	5	0
24	O	1	65	55	1	4	5	0
24	O	1	65	55	1	4	5	0
24	K	1	51	41	1	4	5	0
24	K	1	42	34	1	4	3	0
24	c	1	51	41	1	4	5	0
24	c	1	50	40	1	4	5	0
24	c	1	51	41	1	4	5	0
24	c	1	65	55	1	4	5	0
24	c	1	51	41	1	4	5	0
24	c	1	52	42	1	4	5	0
24	c	1	46	36	1	4	5	0
24	c	1	65	55	1	4	5	0
24	c	1	45	35	1	4	5	0
24	c	1	45	35	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	c	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	a	1	Total 52	C 42	Mg 1	N 4	O 5	0
24	a	1	Total 50	C 40	Mg 1	N 4	O 5	0
24	a	1	Total 51	C 41	Mg 1	N 4	O 5	0
24	a	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
24	a	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	a	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	a	1	Total 48	C 38	Mg 1	N 4	O 5	0
24	a	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	a	1	Total 47	C 37	Mg 1	N 4	O 5	0
24	a	1	Total 48	C 38	Mg 1	N 4	O 5	0
24	b	1	Total 51	C 41	Mg 1	N 4	O 5	0
24	b	1	Total 55	C 45	Mg 1	N 4	O 5	0
24	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	b	1	Total 61	C 51	Mg 1	N 4	O 5	0
24	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	b	1	Total 65	C 55	Mg 1	N 4	O 5	0
24	b	1	Total 51	C 41	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	b	1	65	55	1	4	5	0
24	b	1	65	55	1	4	5	0
24	h	1	50	40	1	4	5	0
24	h	1	50	40	1	4	5	0
24	h	1	51	41	1	4	5	0
24	h	1	51	41	1	4	5	0
24	h	1	65	55	1	4	5	0
24	h	1	57	47	1	4	5	0
24	h	1	51	41	1	4	5	0
24	h	1	65	55	1	4	5	0
24	e	1	45	35	1	4	5	0
24	e	1	50	40	1	4	5	0
24	e	1	51	41	1	4	5	0
24	e	1	65	55	1	4	5	0
24	e	1	65	55	1	4	5	0
24	e	1	65	55	1	4	5	0
24	e	1	65	55	1	4	5	0
24	e	1	46	36	1	4	5	0
24	e	1	65	55	1	4	5	0
24	e	1	65	55	1	4	5	0
24	k	1	51	41	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	k	1	50	40	1	4	5	0
24	k	1	51	41	1	4	5	0
24	k	1	65	55	1	4	5	0
24	k	1	45	35	1	4	5	0
24	k	1	51	41	1	4	5	0
24	k	1	51	41	1	4	5	0
24	k	1	65	55	1	4	5	0
24	k	1	65	55	1	4	5	0
24	k	1	51	41	1	4	5	0
24	k	1	51	41	1	4	5	0
24	f	1	47	37	1	4	5	0
24	f	1	65	55	1	4	5	0
24	f	1	51	41	1	4	5	0
24	f	1	65	55	1	4	5	0
24	f	1	45	35	1	4	5	0
24	f	1	51	41	1	4	5	0
24	f	1	65	55	1	4	5	0
24	f	1	65	55	1	4	5	0
24	f	1	65	55	1	4	5	0
24	f	1	65	55	1	4	5	0
24	f	1	51	41	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	f	1	65	55	1	4	5	0
24	i	1	51	41	1	4	5	0
24	i	1	50	40	1	4	5	0
24	i	1	51	41	1	4	5	0
24	i	1	65	55	1	4	5	0
24	i	1	51	41	1	4	5	0
24	i	1	61	51	1	4	5	0
24	i	1	51	41	1	4	5	0
24	i	1	46	36	1	4	5	0
24	i	1	51	41	1	4	5	0
24	i	1	51	41	1	4	5	0
24	j	1	51	41	1	4	5	0
24	j	1	50	40	1	4	5	0
24	j	1	51	41	1	4	5	0
24	j	1	65	55	1	4	5	0
24	j	1	45	35	1	4	5	0
24	j	1	51	41	1	4	5	0
24	j	1	51	41	1	4	5	0
24	j	1	45	35	1	4	5	0
24	j	1	51	41	1	4	5	0
24	j	1	61	51	1	4	5	0

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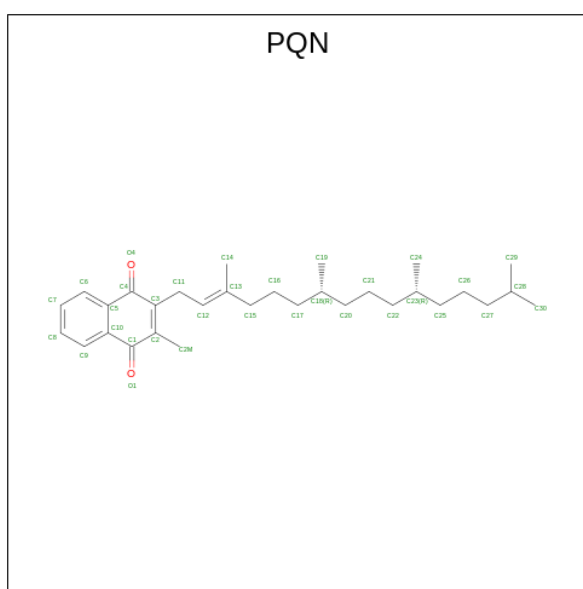
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
24	j	1	51	41	1	4	5	0
24	j	1	65	55	1	4	5	0
24	d	1	50	40	1	4	5	0
24	d	1	51	41	1	4	5	0
24	d	1	65	55	1	4	5	0
24	d	1	51	41	1	4	5	0
24	d	1	51	41	1	4	5	0
24	d	1	51	41	1	4	5	0
24	d	1	46	36	1	4	5	0
24	d	1	41	33	1	4	3	0
24	d	1	41	33	1	4	3	0
24	d	1	51	41	1	4	5	0
24	g	1	42	34	1	4	3	0
24	g	1	50	40	1	4	5	0
24	g	1	51	41	1	4	5	0
24	g	1	65	55	1	4	5	0
24	g	1	51	41	1	4	5	0
24	g	1	51	41	1	4	5	0
24	g	1	65	55	1	4	5	0
24	g	1	65	55	1	4	5	0
24	g	1	51	41	1	4	5	0

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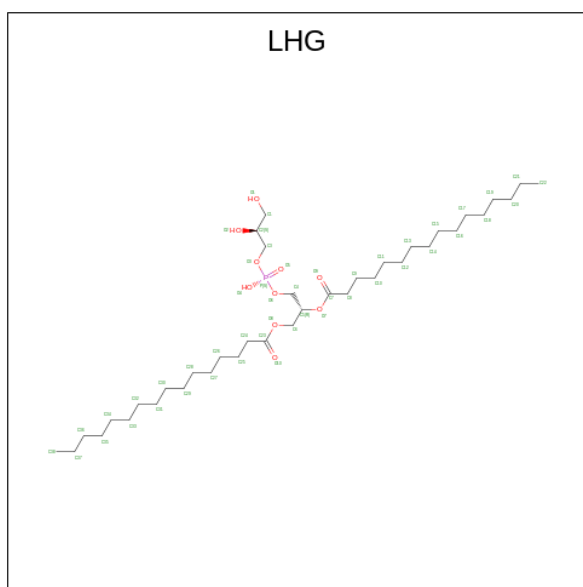
Mol	Chain	Residues	Atoms					AltConf
24	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
24	g	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
24	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
24	R	1	Total	C	Mg	N	O	0
			51	41	1	4	5	

- Molecule 25 is PHYLLOQUINONE (three-letter code: PQN) (formula: $C_{31}H_{46}O_2$).



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

- Molecule 26 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{75}O_{10}P$).



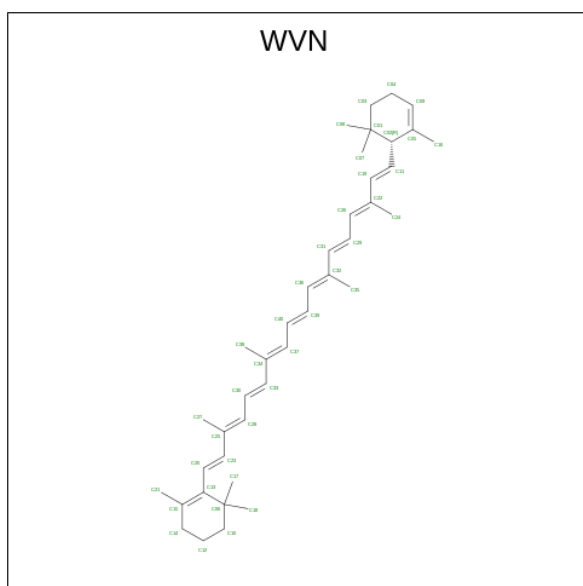
Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
26	A	1	48	37	10	1	0
26	A	1	27	16	10	1	0
26	B	1	38	27	10	1	0
26	J	1	49	38	10	1	0
26	c	1	37	26	10	1	0
26	c	1	37	26	10	1	0
26	a	1	49	38	10	1	0
26	b	1	49	38	10	1	0
26	b	1	49	38	10	1	0
26	e	1	37	26	10	1	0
26	k	1	37	26	10	1	0
26	f	1	37	26	10	1	0
26	f	1	49	38	10	1	0
26	i	1	37	26	10	1	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	O	P	
26	j	1	Total 30	C 19	O 10	P 1	0
26	d	1	Total 37	C 26	O 10	P 1	0
26	g	1	Total 49	C 38	O 10	P 1	0
26	g	1	Total 37	C 26	O 10	P 1	0

- Molecule 27 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).



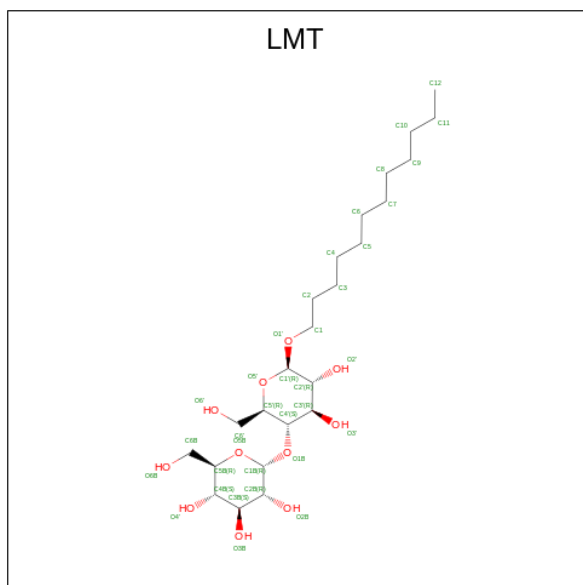
Mol	Chain	Residues	Atoms		AltConf
27	A	1	Total 40	C 40	0
27	A	1	Total 40	C 40	0
27	A	1	Total 40	C 40	0
27	A	1	Total 40	C 40	0
27	A	1	Total 40	C 40	0
27	B	1	Total 40	C 40	0

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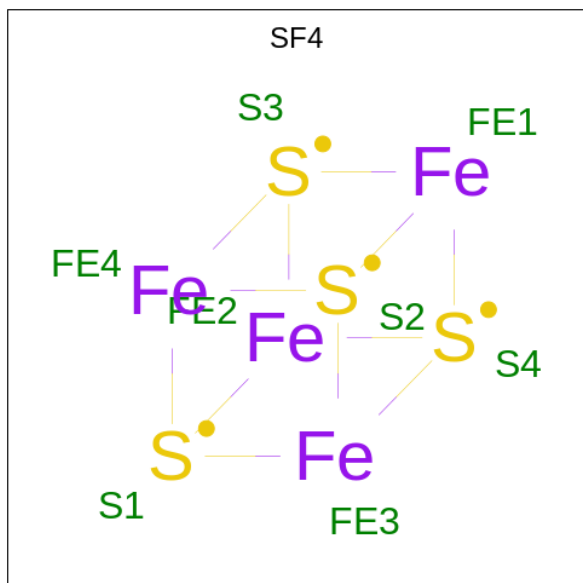
Mol	Chain	Residues	Atoms	AltConf
27	B	1	Total C 40 40	0
27	B	1	Total C 40 40	0
27	B	1	Total C 40 40	0
27	B	1	Total C 40 40	0
27	F	1	Total C 40 40	0
27	F	1	Total C 40 40	0
27	I	1	Total C 40 40	0
27	J	1	Total C 40 40	0
27	J	1	Total C 40 40	0
27	L	1	Total C 40 40	0
27	L	1	Total C 40 40	0
27	L	1	Total C 40 40	0
27	M	1	Total C 40 40	0
27	K	1	Total C 40 40	0
27	h	1	Total C 40 40	0
27	e	1	Total C 40 40	0
27	j	1	Total C 40 40	0
27	R	1	Total C 40 40	0
27	R	1	Total C 40 40	0

- Molecule 28 is DODECYL-BETA-D-MALTOSE (three-letter code: LMT) (formula: $C_{24}H_{46}O_{11}$).



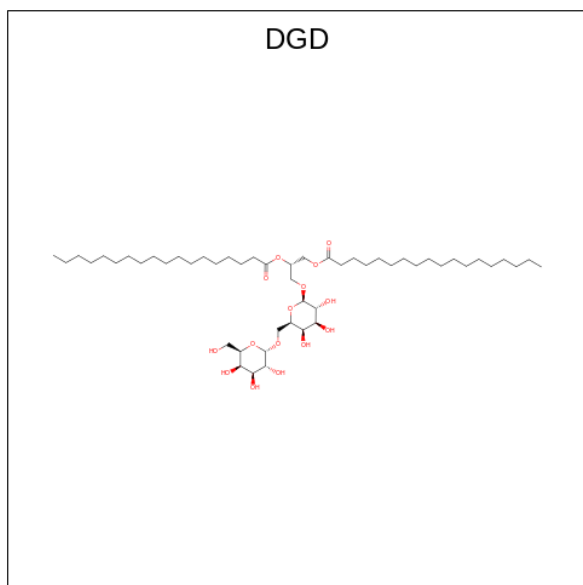
Mol	Chain	Residues	Atoms			AltConf
28	A	1	Total	C	O	0
			35	24	11	
28	F	1	Total	C	O	0
			24	18	6	
28	a	1	Total	C	O	0
			35	24	11	
28	b	1	Total	C	O	0
			24	18	6	

- Molecule 29 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



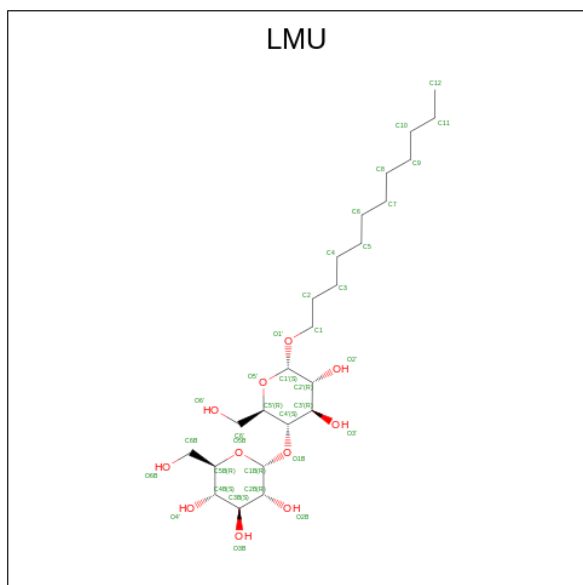
Mol	Chain	Residues	Atoms			AltConf
29	A	1	Total	Fe	S	0
			8	4	4	
29	C	1	Total	Fe	S	0
			8	4	4	
29	C	1	Total	Fe	S	0
			8	4	4	

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



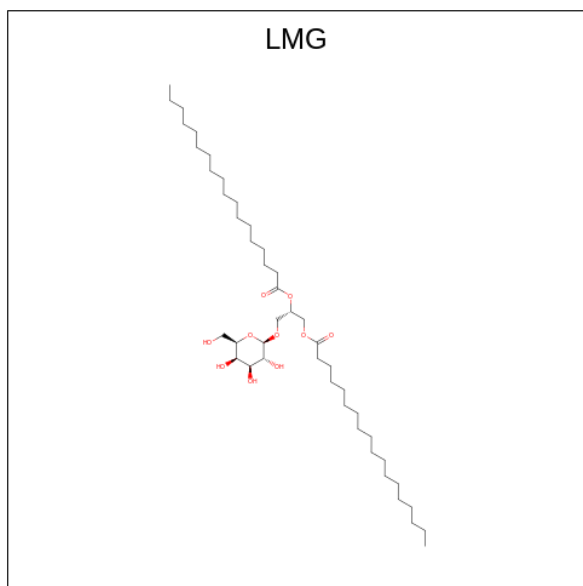
Mol	Chain	Residues	Atoms			AltConf
30	B	1	Total	C	O	0
			60	45	15	

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



Mol	Chain	Residues	Atoms			AltConf
31	B	1	Total	C	O	0
			35	24	11	

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



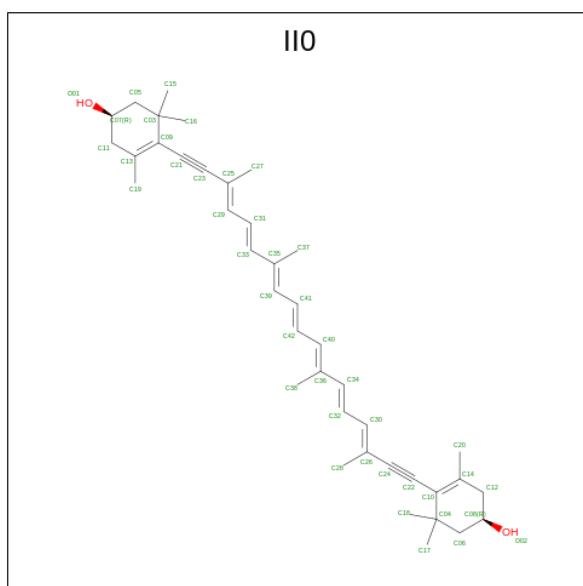
Mol	Chain	Residues	Atoms			AltConf
32	F	1	Total	C	O	0
			48	38	10	
32	J	1	Total	C	O	0
			55	45	10	

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Mol	Chain	Residues	Atoms			AltConf
32	L	1	Total	C	O	0
			55	45	10	
32	O	1	Total	C	O	0
			26	16	10	
32	b	1	Total	C	O	0
			55	45	10	

- Molecule 33 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]octadeca-3,5,7,9,11,13,15-heptaen-1,17-diynyl]cyclohex-3-en-1-ol (three-letter code: IIO) (formula: C₄₀H₅₂O₂) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
33	J	1	Total	C	O	0
			42	40	2	
33	O	1	Total	C	O	0
			42	40	2	
33	c	1	Total	C	O	0
			42	40	2	
33	c	1	Total	C	O	0
			42	40	2	
33	c	1	Total	C	O	0
			42	40	2	
33	a	1	Total	C	O	0
			42	40	2	
33	a	1	Total	C	O	0
			42	40	2	

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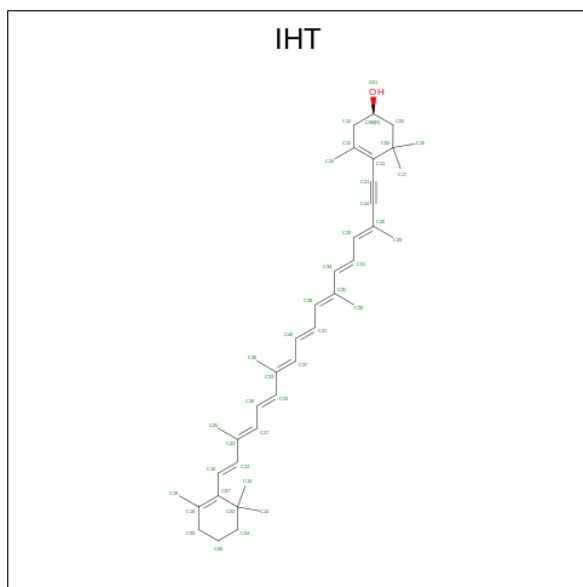
Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
33	a	1	42	40	2	0
33	a	1	42	40	2	0
33	b	1	42	40	2	0
33	b	1	42	40	2	0
33	b	1	42	40	2	0
33	h	1	28	27	1	0
33	h	1	42	40	2	0
33	h	1	42	40	2	0
33	e	1	42	40	2	0
33	e	1	42	40	2	0
33	e	1	42	40	2	0
33	e	1	42	40	2	0
33	e	1	42	40	2	0
33	k	1	42	40	2	0
33	k	1	42	40	2	0
33	k	1	42	40	2	0
33	k	1	42	40	2	0
33	k	1	42	40	2	0
33	f	1	42	40	2	0
33	f	1	42	40	2	0
33	f	1	42	40	2	0
33	f	1	42	40	2	0

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

- Molecule 34 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
34	O	1	Total	C	O	0
			41	40	1	
34	c	1	Total	C	O	0
			41	40	1	
34	a	1	Total	C	O	0
			41	40	1	
34	b	1	Total	C	O	0
			41	40	1	
34	b	1	Total	C	O	0
			41	40	1	
34	k	1	Total	C	O	0
			41	40	1	
34	f	1	Total	C	O	0
			41	40	1	
34	j	1	Total	C	O	0
			41	40	1	
34	g	1	Total	C	O	0
			41	40	1	
34	R	1	Total	C	O	0
			41	40	1	

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

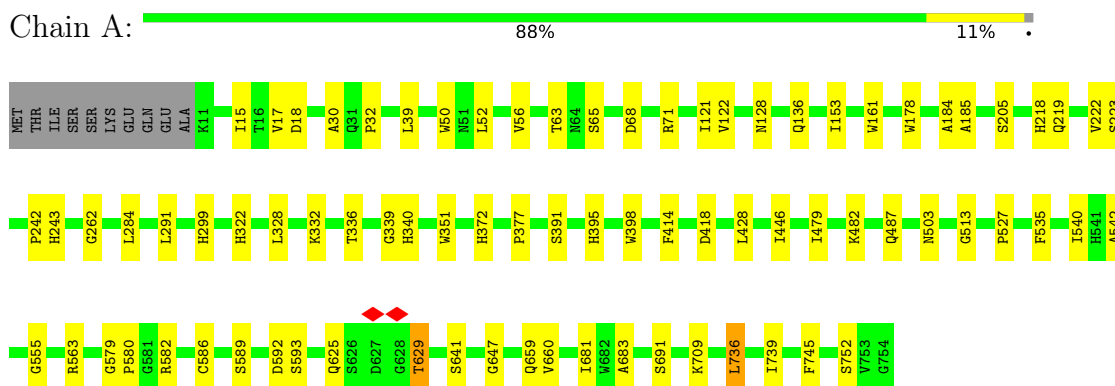
- Molecule 36 is water.

Mol	Chain	Residues	Atoms		AltConf
36	A	50	Total 50	O 50	0
36	B	59	Total 59	O 59	0
36	C	7	Total 7	O 7	0
36	D	1	Total 1	O 1	0
36	F	3	Total 3	O 3	0
36	I	1	Total 1	O 1	0
36	J	1	Total 1	O 1	0
36	L	1	Total 1	O 1	0
36	O	1	Total 1	O 1	0
36	K	1	Total 1	O 1	0
36	a	1	Total 1	O 1	0
36	b	1	Total 1	O 1	0
36	h	1	Total 1	O 1	0
36	e	4	Total 4	O 4	0

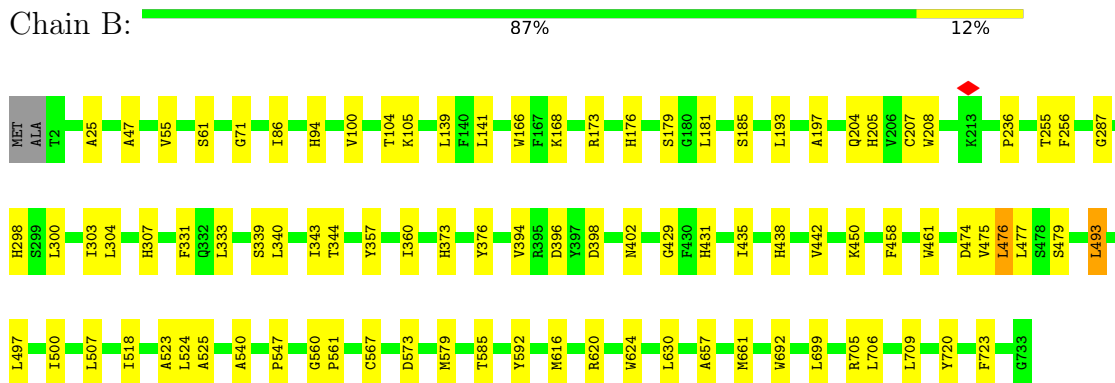
3 Residue-property plots [i](#)

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

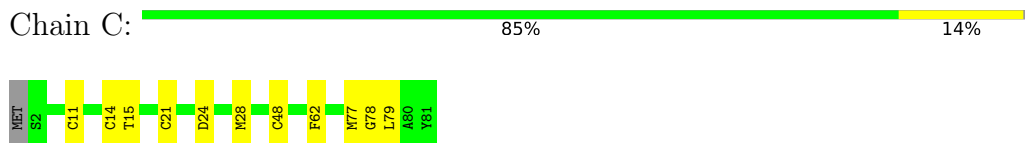
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1




- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



- Molecule 3: Photosystem I iron-sulfur center




- Molecule 4: Photosystem I reaction center subunit II

Chain D:  85% 13%




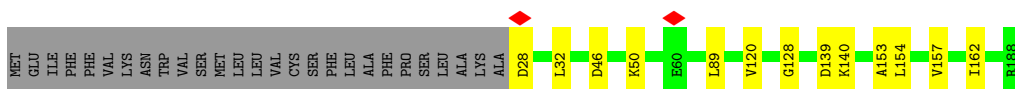
- Molecule 5: Photosystem I reaction center subunit IV

Chain E:  77% 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:  81% 14% 6%



- Molecule 8: Photosystem I reaction center subunit IX

Chain J:  88% 12%



- Molecule 9: Photosystem I reaction center subunit XI

Chain L:  92% 6% ..

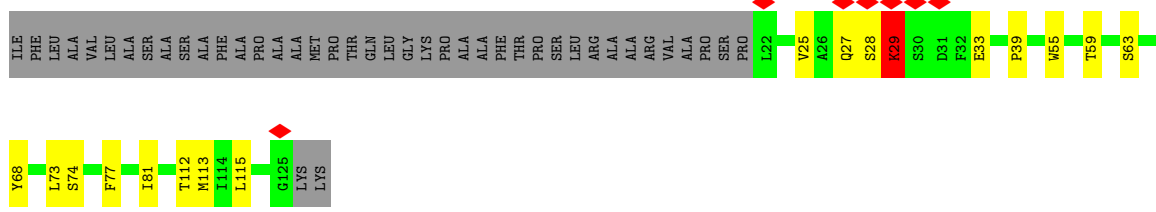


- Molecule 10: Photosystem I reaction center subunit XII

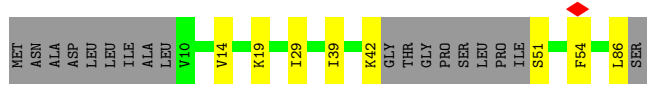
Chain M:  90% 10%



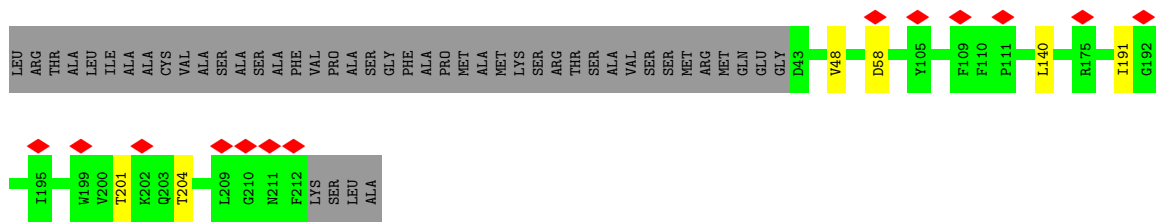
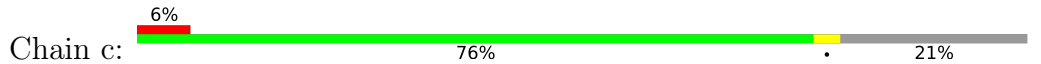
- Molecule 11: PsaO



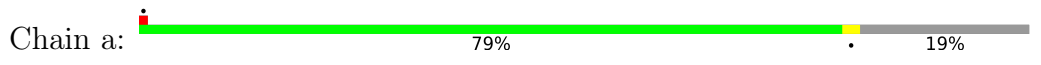
• Molecule 12: Photosystem I reaction center subunit PsaK



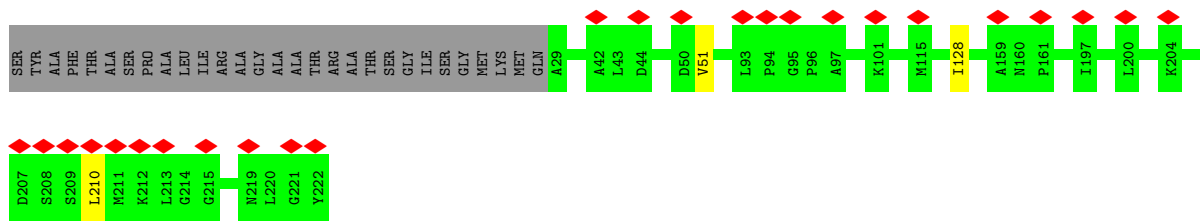
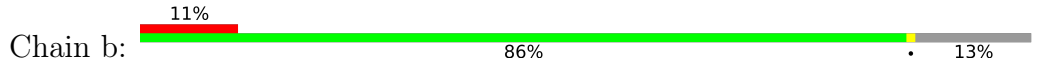
• Molecule 13: CAC-c



• Molecule 14: CAC-a



• Molecule 15: CAC-b



• Molecule 16: CAC-h



4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	31215	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	0.140	Depositor
Minimum map value	-0.063	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.004	Depositor
Recommended contour level	0.018	Depositor
Map size (Å)	332.8131, 332.8131, 332.8131	wwPDB
Map dimensions	320, 320, 320	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.040041, 1.040041, 1.040041	Depositor

5 Model quality

5.1 Standard geometry

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

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	0.52	0/6019	0.57	0/8204
2	B	0.52	0/6045	0.59	0/8254
3	C	0.49	0/601	0.59	0/813
4	D	0.48	0/1109	0.57	0/1500
5	E	0.50	0/493	0.54	0/667
6	F	0.48	0/1287	0.58	0/1747
7	I	0.49	0/271	0.60	0/370
8	J	0.52	0/364	0.62	0/495
9	L	0.48	0/1175	0.56	0/1599
10	M	0.40	0/233	0.54	0/315
11	O	0.54	0/799	0.61	0/1094
12	K	0.41	0/495	0.59	0/672
13	c	0.39	0/1396	0.52	0/1889
14	a	0.39	0/1406	0.49	0/1903
15	b	0.38	0/1469	0.58	0/1983
16	h	0.41	0/1226	0.54	0/1667
17	e	0.40	0/1324	0.55	0/1795
18	k	0.43	0/1380	0.56	0/1869
19	f	0.45	0/1328	0.55	0/1790
19	j	0.41	0/1318	0.56	0/1775
20	i	0.36	0/1359	0.60	0/1835
21	d	0.47	0/969	0.54	0/1304
22	g	0.41	0/1673	0.56	0/2264
23	R	0.44	0/686	0.52	0/940
All	All	0.47	0/34425	0.57	0/46744

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	64	0
2	B	5826	0	5642	70	0
3	C	592	0	574	12	0
4	D	1084	0	1080	11	0
5	E	485	0	489	7	0
6	F	1254	0	1264	10	0
7	I	264	0	276	4	0
8	J	351	0	344	4	0
9	L	1146	0	1160	8	0
10	M	232	0	265	3	0
11	O	773	0	763	15	0
12	K	488	0	516	3	0
13	c	1357	0	1337	0	0
14	a	1361	0	1305	0	0
15	b	1439	0	1456	0	0
16	h	1200	0	1228	0	0
17	e	1286	0	1262	0	0
18	k	1346	0	1349	0	0
19	f	1302	0	1320	0	0
19	j	1293	0	1321	0	0
20	i	1324	0	1298	0	0
21	d	950	0	949	0	0
22	g	1630	0	1644	0	0
23	R	664	0	647	5	0
24	A	2758	0	2820	103	0
24	B	2403	0	2442	88	0
24	F	117	0	115	5	0
24	I	65	0	72	2	0
24	J	93	0	72	4	0
24	K	93	0	72	2	0
24	L	215	0	191	8	0
24	O	130	0	144	9	0
24	R	51	0	41	1	0
24	a	601	0	551	0	0
24	b	673	0	696	0	0
24	c	586	0	520	0	0
24	d	498	0	407	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
24	e	582	0	578	0	0
24	f	700	0	695	0	0
24	g	661	0	611	0	0
24	h	440	0	398	0	0
24	i	528	0	451	0	0
24	j	637	0	556	0	0
24	k	596	0	534	0	0
25	A	33	0	46	2	0
25	B	33	0	46	5	0
26	A	75	0	93	3	0
26	B	38	0	49	3	0
26	J	49	0	74	5	0
26	a	49	0	74	0	0
26	b	98	0	148	0	0
26	c	74	0	88	0	0
26	d	37	0	44	0	0
26	e	37	0	44	0	0
26	f	86	0	118	0	0
26	g	86	0	118	0	0
26	i	37	0	44	0	0
26	j	30	0	30	0	0
26	k	37	0	44	0	0
27	A	200	0	0	0	0
27	B	200	0	0	0	0
27	F	80	0	0	0	0
27	I	40	0	0	0	0
27	J	80	0	0	0	0
27	K	40	0	0	0	0
27	L	120	0	0	0	0
27	M	40	0	0	0	0
27	R	80	0	0	0	0
27	e	40	0	0	0	0
27	h	40	0	0	0	0
27	j	40	0	0	0	0
28	A	35	0	42	1	0
28	F	24	0	33	0	0
28	a	35	0	45	0	0
28	b	24	0	34	0	0
29	A	8	0	0	4	0
29	C	16	0	0	7	0
30	B	60	0	81	3	0
31	B	35	0	46	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
32	F	48	0	69	2	0
32	J	55	0	86	3	0
32	L	55	0	86	2	0
32	O	26	0	22	0	0
32	b	55	0	86	0	0
33	J	42	0	0	0	0
33	O	42	0	0	0	0
33	a	168	0	0	0	0
33	b	126	0	0	0	0
33	c	126	0	0	0	0
33	d	126	0	0	0	0
33	e	168	0	0	0	0
33	f	168	0	0	0	0
33	g	168	0	0	0	0
33	h	112	0	0	0	0
33	i	126	0	0	0	0
33	j	126	0	0	0	0
33	k	210	0	0	0	0
34	O	41	0	0	0	0
34	R	41	0	0	0	0
34	a	41	0	0	0	0
34	b	82	0	0	0	0
34	c	41	0	0	0	0
34	f	41	0	0	0	0
34	g	41	0	0	0	0
34	j	41	0	0	0	0
34	k	41	0	0	0	0
35	c	45	0	0	0	0
35	d	90	0	0	0	0
35	e	45	0	0	0	0
35	f	45	0	0	0	0
35	g	135	0	0	0	0
35	i	90	0	0	0	0
35	j	45	0	0	0	0
35	k	135	0	0	0	0
36	A	50	0	0	0	0
36	B	59	0	0	1	0
36	C	7	0	0	0	0
36	D	1	0	0	0	0
36	F	3	0	0	0	0
36	I	1	0	0	0	0
36	J	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
36	K	1	0	0	0	0
36	L	1	0	0	0	0
36	O	1	0	0	0	0
36	a	1	0	0	0	0
36	b	1	0	0	0	0
36	e	4	0	0	0	0
36	h	1	0	0	0	0
All	All	51054	0	46823	364	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 7.

All (364) 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)
1:A:586:CYS:HG	29:A:854:SF4:FE2	0.77	0.96
3:C:48:CYS:HG	29:C:101:SF4:FE4	0.73	0.96
3:C:14:CYS:HG	29:C:102:SF4:FE3	0.74	0.95
3:C:11:CYS:HG	29:C:102:SF4:FE4	0.66	0.94
2:B:438:HIS:HE1	24:B:829:CLA:NA	1.62	0.92
29:A:854:SF4:FE1	2:B:567:CYS:HG	0.68	0.92
3:C:21:CYS:HG	29:C:101:SF4:FE2	0.66	0.90
24:A:822:CLA:HBB2	24:A:836:CLA:H18	1.58	0.86
2:B:339:SER:HB3	24:B:822:CLA:H42	1.57	0.86
2:B:438:HIS:CE1	24:B:829:CLA:NA	2.46	0.82
11:O:29:LYS:C	11:O:29:LYS:HE2	2.05	0.77
24:A:814:CLA:H12	24:A:814:CLA:HBD	1.65	0.76
6:F:120:VAL:HG13	24:F:201:CLA:HAA1	1.69	0.73
3:C:14:CYS:SG	29:C:102:SF4:FE3	1.82	0.72
8:J:41:PRO:HG2	24:J:105:CLA:HMD1	1.73	0.71
1:A:205:SER:HB3	24:A:819:CLA:HBC3	1.73	0.70
24:B:835:CLA:HAB	25:B:842:PQN:H162	1.71	0.70
1:A:586:CYS:SG	29:A:854:SF4:FE2	1.84	0.69
1:A:513:GLY:HA2	1:A:527:PRO:HB3	1.76	0.67
24:A:809:CLA:H2	24:A:811:CLA:HBC2	1.77	0.67
11:O:55:TRP:HB2	11:O:112:THR:HG21	1.75	0.67
4:D:42:VAL:HG22	4:D:52:ILE:HG12	1.80	0.64
24:A:852:CLA:H91	24:B:804:CLA:H101	1.80	0.63
4:D:135:THR:HG22	4:D:137:LYS:H	1.64	0.63
1:A:736:LEU:HD11	24:A:829:CLA:H18	1.82	0.62
1:A:178:TRP:HB2	24:A:810:CLA:HMC3	1.83	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:A:839:CLA:HHC	24:A:839:CLA:HBB1	1.80	0.61
23:R:51:LYS:HD2	23:R:63:ASP:HB3	1.83	0.60
1:A:398:TRP:HB3	24:A:827:CLA:HMC3	1.82	0.60
4:D:64:ARG:NH2	4:D:66:GLU:OE1	2.34	0.60
4:D:25:ALA:HB1	4:D:30:LYS:HG3	1.82	0.60
2:B:398:ASP:O	2:B:402:ASN:ND2	2.31	0.59
24:B:807:CLA:H12	7:I:14:ILE:HG13	1.84	0.59
1:A:503:ASN:HB2	24:A:839:CLA:HED2	1.84	0.59
4:D:121:HIS:HB2	4:D:125:LYS:HD2	1.84	0.59
12:K:51:SER:HB3	12:K:54:PHE:HB3	1.83	0.59
6:F:32:LEU:HB2	6:F:89:LEU:HD23	1.85	0.58
2:B:204:GLN:NE2	2:B:205:HIS:O	2.37	0.58
2:B:461:TRP:HE1	2:B:475:VAL:HG21	1.69	0.58
2:B:475:VAL:HG12	2:B:476:LEU:HD22	1.86	0.58
24:A:831:CLA:HBA1	24:A:855:CLA:H42	1.86	0.57
1:A:284:LEU:HD21	1:A:377:PRO:HD2	1.87	0.56
11:O:59:THR:HG23	11:O:73:LEU:HB3	1.88	0.56
24:A:809:CLA:HBB2	24:A:812:CLA:HMA3	1.86	0.56
2:B:493:LEU:HD22	2:B:497:LEU:HG	1.88	0.56
24:B:810:CLA:HBA2	31:B:844:LMU:H41	1.88	0.56
1:A:56:VAL:HG21	24:A:803:CLA:C2D	2.35	0.56
2:B:474:ASP:O	2:B:479:SER:HB2	2.05	0.56
24:B:832:CLA:HMB2	24:B:834:CLA:HED1	1.87	0.55
1:A:535:PHE:HA	24:A:835:CLA:HED1	1.86	0.55
1:A:372:HIS:ND1	24:A:817:CLA:OBD	2.37	0.55
2:B:100:VAL:O	2:B:104:THR:OG1	2.24	0.55
24:B:801:CLA:O1A	24:B:801:CLA:H3A	2.06	0.55
2:B:236:PRO:HB3	2:B:255:THR:HG21	1.89	0.55
2:B:300:LEU:HD13	24:B:822:CLA:HAC2	1.89	0.54
1:A:15:ILE:HD13	24:A:809:CLA:HAA2	1.89	0.54
24:A:827:CLA:H92	26:B:802:LHG:H223	1.88	0.54
24:A:839:CLA:H162	24:K:101:CLA:HMC2	1.90	0.54
24:O:201:CLA:H42	24:O:201:CLA:HHB	1.88	0.54
1:A:153:ILE:HD13	24:A:813:CLA:HED3	1.90	0.54
24:B:839:CLA:HBB1	24:B:839:CLA:HHC	1.90	0.53
11:O:59:THR:CG2	11:O:73:LEU:HB3	2.39	0.53
24:B:811:CLA:HHC	24:B:811:CLA:HBB1	1.90	0.53
1:A:262:GLY:HA3	24:A:814:CLA:H42	1.89	0.53
24:A:802:CLA:H12	2:B:429:GLY:HA3	1.89	0.53
2:B:207:CYS:SG	2:B:208:TRP:N	2.80	0.53
3:C:21:CYS:SG	29:C:101:SF4:FE2	1.83	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:O:201:CLA:H202	24:O:201:CLA:HBB2	1.92	0.52
1:A:32:PRO:HB3	24:A:842:CLA:HAC1	1.91	0.52
1:A:161:TRP:CE2	24:A:815:CLA:HAA2	2.44	0.52
1:A:243:HIS:HB2	24:A:815:CLA:HBC3	1.91	0.52
1:A:482:LYS:HE3	1:A:487:GLN:HE22	1.74	0.52
24:A:840:CLA:H2	24:L:203:CLA:H43	1.92	0.52
24:B:823:CLA:H52	24:B:841:CLA:H201	1.91	0.52
3:C:48:CYS:SG	29:C:101:SF4:FE4	1.89	0.52
1:A:218:HIS:HB2	24:A:813:CLA:C1C	2.40	0.52
2:B:343:ILE:HG12	24:B:822:CLA:H43	1.91	0.52
2:B:298:HIS:HB3	2:B:303:ILE:HD11	1.93	0.51
6:F:28:ASP:N	6:F:32:LEU:O	2.44	0.51
2:B:373:HIS:CE1	24:B:825:CLA:ND	2.79	0.51
24:A:818:CLA:H92	24:A:828:CLA:H91	1.93	0.51
2:B:193:LEU:HA	2:B:197:ALA:HB3	1.92	0.51
28:A:851:LMT:O2B	28:A:851:LMT:O6'	2.30	0.50
24:O:205:CLA:HBA1	24:O:205:CLA:HBD	1.92	0.50
24:F:201:CLA:HBC2	8:J:20:LEU:HD11	1.93	0.50
2:B:525:ALA:HB1	2:B:585:THR:HB	1.93	0.50
1:A:542:ALA:HB1	24:A:835:CLA:HMB3	1.94	0.50
7:I:17:ILE:HG13	24:I:102:CLA:HMC3	1.94	0.50
24:A:806:CLA:HMB3	24:A:807:CLA:H3A	1.94	0.50
24:B:827:CLA:HBB2	24:B:834:CLA:HMC2	1.94	0.50
5:E:34:TYR:HA	5:E:53:PHE:O	2.11	0.50
2:B:573:ASP:OD2	36:B:901:HOH:O	2.20	0.49
7:I:19:PRO:HA	7:I:22:VAL:HG22	1.94	0.49
2:B:340:LEU:O	2:B:344:THR:HG22	2.12	0.49
24:B:840:CLA:HMB1	24:B:840:CLA:HBB1	1.94	0.49
11:O:28:SER:O	11:O:28:SER:OG	2.23	0.49
11:O:59:THR:HG22	11:O:74:SER:H	1.77	0.49
24:B:805:CLA:H93	24:B:812:CLA:H2	1.93	0.49
24:A:811:CLA:HHC	24:A:811:CLA:HBB1	1.94	0.49
24:A:823:CLA:H2	24:A:836:CLA:H121	1.95	0.49
24:B:816:CLA:H62	24:B:816:CLA:H102	1.61	0.49
24:A:801:CLA:HAA1	24:B:803:CLA:HMB1	1.94	0.48
24:B:815:CLA:C1D	24:B:816:CLA:HBB2	2.43	0.48
5:E:11:LEU:HB2	5:E:57:GLU:HA	1.96	0.48
9:L:64:LYS:HG2	24:L:204:CLA:HMA1	1.94	0.48
2:B:168:LYS:NZ	23:R:42:SER:OG	2.40	0.48
2:B:394:VAL:HG23	2:B:540:ALA:HB1	1.96	0.48
24:J:103:CLA:HBB1	24:J:103:CLA:HMB1	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:625:GLN:HG2	1:A:629:THR:HG23	1.94	0.48
1:A:18:ASP:OD2	1:A:71:ARG:NH2	2.35	0.48
1:A:579:GLY:HA2	2:B:561:PRO:HD3	1.95	0.48
24:A:836:CLA:C4D	24:O:205:CLA:H161	2.43	0.48
1:A:589:SER:OG	1:A:592:ASP:OD2	2.31	0.48
24:B:835:CLA:H162	24:B:836:CLA:H111	1.95	0.48
23:R:118:TRP:CD1	23:R:121:HIS:HE1	2.31	0.48
29:A:854:SF4:FE1	2:B:567:CYS:SG	1.85	0.48
2:B:706:LEU:HD23	30:B:843:DGD:HA21	1.96	0.48
24:B:808:CLA:H62	24:B:808:CLA:H102	1.58	0.48
24:L:202:CLA:HHC	24:L:202:CLA:HBB1	1.96	0.48
1:A:56:VAL:HG21	24:A:803:CLA:C3D	2.43	0.48
24:A:840:CLA:H61	24:A:840:CLA:H41	1.60	0.48
1:A:63:THR:HG21	1:A:68:ASP:HB2	1.96	0.47
24:A:834:CLA:HBB1	24:A:834:CLA:HMB1	1.96	0.47
11:O:25:VAL:CG2	11:O:27:GLN:HG2	2.44	0.47
1:A:332:LYS:HB3	1:A:339:GLY:HA3	1.95	0.47
24:A:855:CLA:H101	24:A:855:CLA:H13	1.68	0.47
2:B:720:TYR:HB2	24:B:803:CLA:HED2	1.95	0.47
24:B:817:CLA:H3A	24:B:817:CLA:HBA2	1.72	0.47
3:C:15:THR:HG22	3:C:28:MET:HG3	1.96	0.47
8:J:23:THR:HA	8:J:26:PHE:CE2	2.49	0.47
2:B:442:VAL:HG21	2:B:450:LYS:HB2	1.96	0.47
9:L:75:LEU:HA	9:L:75:LEU:HD23	1.70	0.47
2:B:620:ARG:HA	2:B:624:TRP:HB3	1.97	0.47
1:A:351:TRP:HB3	24:A:804:CLA:HAC1	1.97	0.47
24:A:820:CLA:HMB2	24:A:824:CLA:HMA3	1.96	0.47
2:B:343:ILE:CG1	24:B:822:CLA:H43	2.44	0.47
24:B:801:CLA:H51	26:B:802:LHG:HC31	1.96	0.47
3:C:77:MET:HB3	3:C:79:LEU:HG	1.97	0.47
1:A:739:ILE:HG21	24:A:827:CLA:HMC2	1.96	0.47
2:B:307:HIS:HA	24:B:841:CLA:HMD1	1.97	0.47
24:B:806:CLA:H151	24:B:826:CLA:HBB2	1.96	0.47
23:R:71:VAL:O	23:R:127:GLN:NE2	2.38	0.47
26:J:107:LHG:H141	26:J:107:LHG:H171	1.65	0.46
1:A:322:HIS:CE1	24:A:821:CLA:NA	2.83	0.46
24:A:827:CLA:H111	24:A:829:CLA:H171	1.97	0.46
11:O:113:MET:SD	24:O:205:CLA:HAB	2.55	0.46
1:A:563:ARG:NH2	4:D:18:THR:O	2.48	0.46
24:A:841:CLA:HAA1	24:A:842:CLA:H52	1.98	0.46
24:A:842:CLA:H141	24:A:842:CLA:H161	1.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:25:ALA:HB2	30:B:843:DGD:HA32	1.98	0.46
24:B:837:CLA:H52	24:B:837:CLA:H11	1.70	0.46
1:A:395:HIS:HE2	24:A:828:CLA:C1B	2.29	0.46
6:F:162:ILE:HD12	32:F:206:LMG:H111	1.97	0.46
24:L:203:CLA:H162	24:L:203:CLA:H121	1.73	0.46
1:A:391:SER:HB3	24:A:827:CLA:HMA1	1.98	0.46
6:F:139:ASP:OD1	6:F:140:LYS:N	2.47	0.46
24:A:837:CLA:HBA2	24:A:837:CLA:H3A	1.61	0.46
24:A:855:CLA:H192	9:L:58:LEU:HD21	1.97	0.46
6:F:46:ASP:O	6:F:50:LYS:HG2	2.16	0.46
2:B:179:SER:HB3	2:B:287:GLY:HA3	1.97	0.46
24:B:836:CLA:H62	24:B:836:CLA:H41	1.51	0.46
24:A:802:CLA:H111	24:A:802:CLA:H91	1.64	0.46
24:B:820:CLA:HBC2	24:B:821:CLA:HBA1	1.97	0.46
1:A:71:ARG:HG2	1:A:185:ALA:HB1	1.97	0.46
24:B:807:CLA:H93	24:B:807:CLA:H61	1.81	0.45
24:B:827:CLA:HAB	24:B:834:CLA:HBB2	1.98	0.45
24:B:830:CLA:HBA2	24:B:831:CLA:HMB3	1.98	0.45
24:A:807:CLA:HMC3	24:A:808:CLA:HMD2	1.98	0.45
24:A:853:CLA:HBB2	6:F:128:GLY:HA3	1.98	0.45
11:O:29:LYS:HE2	11:O:29:LYS:CA	2.46	0.45
24:A:840:CLA:H13	24:L:203:CLA:HAA2	1.99	0.45
1:A:709:LYS:HG2	24:B:828:CLA:HMA2	1.99	0.45
24:B:839:CLA:H141	24:B:839:CLA:H162	1.78	0.45
11:O:33:GLU:HA	11:O:39:PRO:HA	1.98	0.45
2:B:181:LEU:O	2:B:185:SER:OG	2.32	0.45
24:B:801:CLA:HBB1	24:B:801:CLA:HMB1	1.98	0.45
24:B:817:CLA:H61	24:B:817:CLA:H102	1.84	0.45
24:J:105:CLA:NC	26:J:107:LHG:O4	2.50	0.45
1:A:222:VAL:HG13	1:A:242:PRO:HB3	1.99	0.45
1:A:291:LEU:HD13	24:A:817:CLA:HMA2	1.97	0.45
1:A:328:LEU:O	1:A:340:HIS:HB2	2.17	0.45
24:A:839:CLA:H91	24:A:839:CLA:H111	1.74	0.45
2:B:431:HIS:O	2:B:435:ILE:HG12	2.17	0.45
24:F:202:CLA:HBA1	24:F:202:CLA:H3A	1.37	0.45
1:A:660:VAL:HG11	1:A:745:PHE:HA	1.99	0.45
24:A:801:CLA:HED3	24:A:801:CLA:HBD	1.71	0.45
24:B:820:CLA:H92	24:B:820:CLA:H61	1.81	0.45
5:E:2:VAL:HG12	5:E:60:GLU:HG3	1.97	0.45
1:A:446:ILE:HD13	1:A:446:ILE:HA	1.86	0.45
24:A:838:CLA:H62	24:A:838:CLA:H41	1.81	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:B:814:CLA:H91	24:B:814:CLA:H112	1.72	0.45
24:K:101:CLA:H12	24:K:101:CLA:H51	1.68	0.45
24:A:823:CLA:HMB3	26:A:845:LHG:HC11	1.99	0.45
24:A:842:CLA:H143	24:A:842:CLA:H91	1.99	0.45
24:A:842:CLA:HMB2	26:A:844:LHG:H162	1.99	0.45
25:A:843:PQN:H302	25:A:843:PQN:H261	1.72	0.45
1:A:39:LEU:HD13	1:A:52:LEU:HA	1.99	0.44
24:A:806:CLA:H3A	24:A:807:CLA:HMB3	1.99	0.44
32:J:106:LMG:H452	32:J:106:LMG:H421	1.76	0.44
1:A:482:LYS:HA	1:A:482:LYS:HD2	1.71	0.44
24:A:806:CLA:H18	32:J:106:LMG:H211	1.98	0.44
2:B:573:ASP:OD1	2:B:705:ARG:NH1	2.50	0.44
1:A:63:THR:HG22	1:A:65:SER:H	1.82	0.44
24:A:805:CLA:H112	24:A:805:CLA:H152	1.80	0.44
23:R:118:TRP:HA	23:R:121:HIS:HD1	1.82	0.44
1:A:582:ARG:HG2	3:C:78:GLY:HA3	1.99	0.44
24:A:820:CLA:H152	24:A:820:CLA:H111	1.79	0.44
2:B:25:ALA:HB2	30:B:843:DGD:HA62	1.99	0.44
1:A:50:TRP:HE1	24:A:841:CLA:HBB1	1.82	0.44
24:A:820:CLA:H2	24:A:820:CLA:H62	1.72	0.44
24:B:835:CLA:H162	24:B:835:CLA:H121	1.61	0.44
24:R:203:CLA:HMB1	24:R:203:CLA:HBB1	1.99	0.44
24:A:818:CLA:H3A	24:A:818:CLA:HBA2	1.69	0.44
24:B:823:CLA:H112	24:B:841:CLA:H191	1.99	0.44
2:B:373:HIS:HE1	24:B:825:CLA:ND	2.16	0.44
3:C:62:PHE:HD2	4:D:123:ILE:HG21	1.83	0.44
24:A:824:CLA:H13	24:A:824:CLA:H172	1.72	0.44
24:B:801:CLA:H61	24:B:801:CLA:H41	1.58	0.44
5:E:34:TYR:CA	5:E:53:PHE:O	2.66	0.44
24:A:835:CLA:H62	24:A:835:CLA:H41	1.90	0.43
24:B:818:CLA:HMB2	24:B:822:CLA:HMA3	1.98	0.43
24:B:832:CLA:H51	24:B:832:CLA:H11	1.72	0.43
24:A:817:CLA:H3A	24:A:817:CLA:HBA2	1.59	0.43
2:B:47:ALA:HB3	10:M:28:LEU:HD21	2.00	0.43
24:B:801:CLA:H51	24:B:801:CLA:H12	1.84	0.43
3:C:24:ASP:OD1	4:D:106:PRO:HG3	2.19	0.43
24:A:804:CLA:HBA1	24:A:804:CLA:H3A	1.64	0.43
2:B:616:MET:O	2:B:620:ARG:HG2	2.19	0.43
24:B:827:CLA:H3A	24:B:827:CLA:HBA2	1.58	0.43
1:A:681:ILE:HD13	1:A:681:ILE:HA	1.87	0.43
2:B:376:TYR:HB3	24:B:825:CLA:HMC3	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:F:201:CLA:H61	24:F:201:CLA:H101	1.58	0.43
24:A:842:CLA:H112	24:A:842:CLA:H142	1.68	0.43
2:B:661:MET:HB2	24:B:804:CLA:C1C	2.49	0.43
24:B:819:CLA:HBA2	24:B:819:CLA:H3A	1.80	0.43
24:B:823:CLA:H93	24:B:823:CLA:H111	1.84	0.43
24:B:832:CLA:HMB1	24:B:832:CLA:HBB1	1.99	0.43
4:D:86:VAL:HB	4:D:99:HIS:HB3	2.01	0.43
26:J:107:LHG:H111	26:J:107:LHG:HC82	1.72	0.43
26:J:107:LHG:H121	26:J:107:LHG:H152	1.75	0.43
24:O:205:CLA:H193	24:O:205:CLA:H162	1.82	0.43
24:B:836:CLA:H92	24:B:836:CLA:H61	1.74	0.43
5:E:56:ASP:N	5:E:56:ASP:OD1	2.47	0.43
24:L:207:CLA:H12	32:L:208:LMG:H273	2.00	0.43
24:B:803:CLA:H2	24:B:803:CLA:H62	1.61	0.43
9:L:7:PRO:HB3	9:L:12:PRO:HA	2.01	0.43
32:L:208:LMG:H141	32:L:208:LMG:H111	1.77	0.43
12:K:39:ILE:O	12:K:42:LYS:NZ	2.45	0.43
24:A:842:CLA:HBA1	24:A:842:CLA:H11	1.83	0.43
9:L:64:LYS:HA	9:L:64:LYS:HD2	1.81	0.43
11:O:77:PHE:CZ	11:O:81:ILE:HD11	2.54	0.43
1:A:121:ILE:HG13	1:A:122:VAL:HG13	2.00	0.43
1:A:219:GLN:HA	1:A:223:SER:HB2	2.00	0.43
24:B:820:CLA:CHC	24:B:841:CLA:HED1	2.49	0.43
24:B:837:CLA:H122	24:B:837:CLA:H51	2.01	0.43
12:K:14:VAL:HG21	12:K:86:LEU:HD22	2.01	0.43
25:B:842:PQN:H172	25:B:842:PQN:H211	1.75	0.42
6:F:154:LEU:HA	6:F:157:VAL:HG22	2.01	0.42
32:J:106:LMG:H211	32:J:106:LMG:H242	1.88	0.42
11:O:25:VAL:HG23	11:O:27:GLN:HG2	2.01	0.42
1:A:736:LEU:HD12	24:A:837:CLA:HMA1	2.01	0.42
24:A:801:CLA:HMB1	24:B:803:CLA:HAA1	2.00	0.42
24:A:830:CLA:HMA2	9:L:19:THR:HG21	2.01	0.42
1:A:299:HIS:HB2	24:A:817:CLA:C1B	2.49	0.42
24:A:802:CLA:HBA1	24:B:801:CLA:HBB2	1.99	0.42
24:A:823:CLA:H41	24:A:823:CLA:H61	1.76	0.42
2:B:139:LEU:HD22	10:M:13:LEU:HD12	2.02	0.42
24:B:820:CLA:H62	24:B:820:CLA:H2	1.85	0.42
24:O:205:CLA:H91	24:O:205:CLA:H112	1.86	0.42
25:A:843:PQN:H242	25:A:843:PQN:H212	1.78	0.42
2:B:396:ASP:OD1	4:D:133:LYS:NZ	2.46	0.42
2:B:630:LEU:HD22	2:B:723:PHE:HA	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:30:ALA:HB1	8:J:7:LYS:HG2	2.01	0.42
24:A:820:CLA:H162	24:A:820:CLA:H141	1.86	0.42
24:A:821:CLA:HMB2	24:A:822:CLA:H12	2.02	0.42
2:B:518:ILE:HG12	2:B:592:TYR:HB2	2.01	0.42
2:B:657:ALA:HB3	24:B:804:CLA:HBB2	2.02	0.42
24:B:836:CLA:H193	24:B:836:CLA:H162	1.88	0.42
26:J:107:LHG:H331	26:J:107:LHG:H302	1.91	0.42
1:A:128:ASN:HB3	1:A:136:GLN:HB3	2.01	0.42
1:A:683:ALA:HB3	24:A:802:CLA:HBB2	2.02	0.42
24:A:806:CLA:H161	24:A:806:CLA:H141	1.79	0.42
24:A:806:CLA:OBD	24:A:856:CLA:HHD	2.20	0.42
24:B:824:CLA:HMB1	24:B:824:CLA:HBB1	2.01	0.42
2:B:304:LEU:HD11	24:B:822:CLA:HMC1	2.00	0.42
24:B:830:CLA:C4C	24:B:831:CLA:HAB	2.50	0.42
24:A:855:CLA:H61	24:A:855:CLA:H41	1.71	0.42
2:B:458:PHE:CE2	24:F:202:CLA:HBB1	2.55	0.42
2:B:476:LEU:HB3	2:B:477:LEU:H	1.65	0.42
4:D:12:PRO:HG3	4:D:58:ASN:HB3	2.02	0.42
2:B:141:LEU:HD23	2:B:141:LEU:HA	1.87	0.42
24:B:830:CLA:H61	24:B:830:CLA:H2	1.56	0.42
24:L:202:CLA:H3A	24:L:202:CLA:HBA2	1.51	0.42
24:A:839:CLA:H111	24:A:839:CLA:H151	1.69	0.41
24:A:855:CLA:HBC1	25:B:842:PQN:H191	2.02	0.41
2:B:547:PRO:HB2	5:E:14:GLU:HG2	2.02	0.41
24:B:801:CLA:H71	26:B:802:LHG:HC12	2.02	0.41
24:B:836:CLA:HMC1	24:B:836:CLA:HAC1	1.87	0.41
1:A:336:THR:HB	1:A:428:LEU:HD21	2.03	0.41
1:A:555:GLY:HA3	1:A:593:SER:OG	2.20	0.41
2:B:173:ARG:HB2	24:B:812:CLA:HBC2	2.01	0.41
24:B:824:CLA:H141	24:B:824:CLA:H162	1.90	0.41
24:B:837:CLA:H122	24:B:837:CLA:H8	1.84	0.41
1:A:540:ILE:HG23	24:A:801:CLA:H193	2.02	0.41
24:A:806:CLA:H161	24:A:806:CLA:H202	1.87	0.41
24:A:840:CLA:H52	24:L:203:CLA:H12	2.02	0.41
24:A:841:CLA:H61	24:A:841:CLA:H2	1.80	0.41
24:A:842:CLA:HMB1	24:A:842:CLA:HBB1	2.02	0.41
26:A:844:LHG:H312	26:A:844:LHG:H282	1.86	0.41
24:B:827:CLA:HAA1	24:B:841:CLA:H41	2.02	0.41
24:B:832:CLA:H12	24:B:833:CLA:O1A	2.19	0.41
5:E:30:SER:HB2	5:E:32:ILE:HG12	2.01	0.41
6:F:153:ALA:O	6:F:157:VAL:HG13	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:O:115:LEU:HD12	24:O:201:CLA:HBB1	2.02	0.41
1:A:659:GLN:HG2	1:A:752:SER:HB2	2.02	0.41
24:A:840:CLA:H151	24:A:840:CLA:H112	1.61	0.41
24:B:823:CLA:HMB1	24:B:824:CLA:H193	2.01	0.41
9:L:76:LEU:HD12	9:L:76:LEU:HA	1.86	0.41
1:A:580:PRO:HD3	2:B:560:GLY:HA2	2.03	0.41
24:B:806:CLA:H112	24:B:806:CLA:H152	1.60	0.41
11:O:59:THR:HG22	11:O:74:SER:N	2.35	0.41
24:O:205:CLA:H162	24:O:205:CLA:H122	1.54	0.41
24:A:804:CLA:H51	24:A:812:CLA:H11	2.03	0.41
24:A:802:CLA:HBB1	24:A:802:CLA:HMB1	2.03	0.41
24:A:853:CLA:H172	6:F:128:GLY:HA2	2.02	0.41
2:B:55:VAL:HG11	24:B:806:CLA:HMD2	2.00	0.41
2:B:61:SER:HB3	2:B:141:LEU:HB2	2.03	0.41
2:B:105:LYS:H	2:B:105:LYS:HG2	1.73	0.41
2:B:176:HIS:CG	24:B:812:CLA:HMC2	2.56	0.41
2:B:579:MET:HB3	2:B:709:LEU:HD11	2.03	0.41
2:B:692:TRP:HE3	24:B:835:CLA:HMD3	1.86	0.41
24:B:823:CLA:H101	24:B:823:CLA:H61	1.72	0.41
24:B:833:CLA:H142	24:B:833:CLA:H112	1.86	0.41
32:F:206:LMG:H222	32:F:206:LMG:H252	1.89	0.41
1:A:395:HIS:CE1	24:A:827:CLA:ND	2.88	0.41
1:A:414:PHE:CD1	1:A:418:ASP:HB2	2.56	0.41
2:B:357:TYR:O	2:B:360:ILE:HG22	2.20	0.41
24:J:105:CLA:HBA2	24:J:105:CLA:H12	1.83	0.41
1:A:17:VAL:HG11	1:A:184:ALA:HB1	2.02	0.40
24:A:807:CLA:H161	24:A:807:CLA:H122	1.60	0.40
2:B:523:ALA:HB2	24:B:833:CLA:HMA1	2.03	0.40
2:B:699:LEU:HD21	25:B:842:PQN:H151	2.03	0.40
1:A:479:ILE:H	1:A:479:ILE:HG13	1.67	0.40
1:A:641:SER:O	1:A:647:GLY:HA3	2.20	0.40
24:A:802:CLA:HBA1	24:A:802:CLA:H11	1.56	0.40
2:B:71:GLY:HA2	2:B:86:ILE:CG2	2.52	0.40
2:B:166:TRP:CZ2	24:B:810:CLA:HBB	2.57	0.40
2:B:181:LEU:HD13	24:B:812:CLA:HBB	2.03	0.40
9:L:114:LYS:O	9:L:118:GLN:HG2	2.20	0.40
24:A:803:CLA:H52	24:A:803:CLA:H12	1.84	0.40
24:A:838:CLA:HBB1	24:A:838:CLA:HMB1	2.03	0.40
24:A:852:CLA:HMB1	24:A:852:CLA:HBB1	2.03	0.40
24:B:840:CLA:H62	24:B:840:CLA:H2	1.69	0.40
7:I:3:ALA:HB2	10:M:4:ASP:HB3	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
24:A:829:CLA:H41	24:A:829:CLA:H61	1.65	0.40
24:B:837:CLA:H51	24:B:837:CLA:H8	1.82	0.40
25:B:842:PQN:H221	25:B:842:PQN:H261	1.75	0.40
24:A:855:CLA:H41	24:A:855:CLA:H112	2.02	0.40
2:B:94:HIS:CE1	24:B:809:CLA:HMB3	2.57	0.40
2:B:340:LEU:HA	2:B:340:LEU:HD23	1.90	0.40
2:B:497:LEU:HA	2:B:500:ILE:HG22	2.04	0.40
24:B:823:CLA:H172	24:B:828:CLA:HBC1	2.03	0.40
24:I:102:CLA:H162	24:I:102:CLA:H141	1.91	0.40
11:O:63:SER:HB3	11:O:68:TYR:CD2	2.56	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%)	723 (98%)	17 (2%)	0	100	100
2	B	731/734 (100%)	708 (97%)	23 (3%)	0	100	100
3	C	78/81 (96%)	77 (99%)	1 (1%)	0	100	100
4	D	137/141 (97%)	135 (98%)	2 (2%)	0	100	100
5	E	58/64 (91%)	55 (95%)	3 (5%)	0	100	100
6	F	159/188 (85%)	155 (98%)	4 (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%)	147 (99%)	2 (1%)	0	100	100
10	M	28/30 (93%)	28 (100%)	0	0	100	100
11	O	102/146 (70%)	92 (90%)	9 (9%)	1 (1%)	15	46
12	K	65/87 (75%)	65 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
13	c	168/216 (78%)	167 (99%)	1 (1%)	0	100	100
14	a	173/216 (80%)	171 (99%)	2 (1%)	0	100	100
15	b	192/223 (86%)	191 (100%)	1 (0%)	0	100	100
16	h	160/225 (71%)	159 (99%)	1 (1%)	0	100	100
17	e	167/203 (82%)	164 (98%)	3 (2%)	0	100	100
18	k	178/241 (74%)	174 (98%)	4 (2%)	0	100	100
19	f	172/212 (81%)	167 (97%)	5 (3%)	0	100	100
19	j	170/212 (80%)	167 (98%)	3 (2%)	0	100	100
20	i	171/218 (78%)	165 (96%)	6 (4%)	0	100	100
21	d	120/213 (56%)	120 (100%)	0	0	100	100
22	g	217/255 (85%)	206 (95%)	11 (5%)	0	100	100
23	R	88/129 (68%)	87 (99%)	1 (1%)	0	100	100
All	All	4295/5017 (86%)	4194 (98%)	100 (2%)	1 (0%)	100	100

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
11	O	29	LYS

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	93
2	B	593/593 (100%)	586 (99%)	7 (1%)	71	83
3	C	67/68 (98%)	67 (100%)	0	100	100
4	D	116/117 (99%)	115 (99%)	1 (1%)	78	87
5	E	55/58 (95%)	53 (96%)	2 (4%)	35	63
6	F	133/157 (85%)	133 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
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%)	122 (98%)	2 (2%)	62	79
10	M	25/25 (100%)	25 (100%)	0	100	100
11	O	81/110 (74%)	80 (99%)	1 (1%)	71	83
12	K	52/66 (79%)	50 (96%)	2 (4%)	33	62
13	c	138/171 (81%)	132 (96%)	6 (4%)	29	59
14	a	139/165 (84%)	135 (97%)	4 (3%)	42	69
15	b	149/168 (89%)	146 (98%)	3 (2%)	55	76
16	h	123/162 (76%)	119 (97%)	4 (3%)	38	66
17	e	130/155 (84%)	129 (99%)	1 (1%)	81	89
18	k	138/186 (74%)	136 (99%)	2 (1%)	67	82
19	f	135/161 (84%)	125 (93%)	10 (7%)	13	40
19	j	136/161 (84%)	130 (96%)	6 (4%)	28	59
20	i	138/168 (82%)	134 (97%)	4 (3%)	42	69
21	d	94/157 (60%)	92 (98%)	2 (2%)	53	75
22	g	171/199 (86%)	167 (98%)	4 (2%)	50	73
23	R	69/98 (70%)	69 (100%)	0	100	100
All	All	3480/3955 (88%)	3416 (98%)	64 (2%)	61	78

All (64) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	629	THR
1	A	691	SER
1	A	736	LEU
2	B	256	PHE
2	B	331	PHE
2	B	333	LEU
2	B	476	LEU
2	B	493	LEU
2	B	507	LEU
2	B	524	LEU
4	D	13	THR
5	E	54	SER
5	E	57	GLU

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Mol	Chain	Res	Type
9	L	75	LEU
9	L	80	PHE
11	O	29	LYS
12	K	19	LYS
12	K	29	ILE
13	c	48	VAL
13	c	58	ASP
13	c	140	LEU
13	c	191	ILE
13	c	201	THR
13	c	204	THR
14	a	72	THR
14	a	99	VAL
14	a	124	SER
14	a	158	LEU
15	b	51	VAL
15	b	128	ILE
15	b	210	LEU
16	h	71	VAL
16	h	72	THR
16	h	121	TRP
16	h	182	LEU
17	e	190	THR
18	k	100	SER
18	k	169	LYS
19	f	42	VAL
19	f	46	LYS
19	f	110	THR
19	f	119	VAL
19	f	122	LYS
19	f	123	GLN
19	f	169	GLU
19	f	199	THR
19	f	206	LEU
19	f	207	LEU
20	i	101	VAL
20	i	127	GLN
20	i	204	LYS
20	i	215	TRP
19	j	39	SER
19	j	100	THR
19	j	116	VAL

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Mol	Chain	Res	Type
19	j	121	VAL
19	j	147	THR
19	j	204	LEU
21	d	129	MET
21	d	186	LEU
22	g	120	VAL
22	g	147	LEU
22	g	151	GLU
22	g	215	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (3) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	218	HIS
1	A	420	ASN
2	B	438	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](#)

342 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
24	CLA	b	310	26	65,73,73	1.56	5 (7%)	76,113,113	1.34	12 (15%)
24	CLA	g	303	22	50,58,73	1.65	9 (18%)	58,95,113	1.51	8 (13%)
24	CLA	A	855	36	65,73,73	1.59	9 (13%)	76,113,113	1.47	11 (14%)
27	WVN	F	204	-	40,41,41	1.86	14 (35%)	50,56,56	2.20	15 (30%)
27	WVN	B	849	-	40,41,41	1.90	14 (35%)	50,56,56	1.67	10 (20%)
24	CLA	k	609	18	65,73,73	1.51	8 (12%)	76,113,113	1.45	9 (11%)
24	CLA	f	613	-	65,73,73	1.53	8 (12%)	76,113,113	1.29	8 (10%)
24	CLA	d	304	21	51,59,73	1.68	5 (9%)	59,96,113	1.56	8 (13%)
24	CLA	A	808	1	65,73,73	1.41	9 (13%)	76,113,113	1.60	12 (15%)
24	CLA	B	839	-	65,73,73	1.52	8 (12%)	76,113,113	1.39	10 (13%)
24	CLA	A	819	-	45,53,73	1.75	9 (20%)	52,89,113	1.83	16 (30%)
24	CLA	g	310	22	51,59,73	1.64	7 (13%)	59,96,113	1.51	9 (15%)
24	CLA	A	811	-	54,62,73	1.70	8 (14%)	62,99,113	1.49	11 (17%)
33	II0	d	314	-	39,43,43	6.70	23 (58%)	50,60,60	2.23	15 (30%)
24	CLA	d	312	-	51,59,73	1.70	6 (11%)	59,96,113	1.73	12 (20%)
24	CLA	h	305	16	65,73,73	1.47	7 (10%)	76,113,113	1.41	9 (11%)
24	CLA	e	610	36	65,73,73	1.47	9 (13%)	76,113,113	1.48	9 (11%)
24	CLA	A	804	-	65,73,73	1.42	8 (12%)	76,113,113	1.55	10 (13%)
27	WVN	F	205	-	40,41,41	1.92	14 (35%)	50,56,56	3.08	18 (36%)
24	CLA	f	603	-	51,59,73	1.67	7 (13%)	59,96,113	1.56	10 (16%)
26	LHG	b	320	24	48,48,48	0.94	2 (4%)	51,54,54	1.12	5 (9%)
26	LHG	d	316	24	36,36,48	1.10	2 (5%)	39,42,54	1.23	5 (12%)
24	CLA	B	829	-	50,58,73	1.80	10 (20%)	58,95,113	1.62	8 (13%)
24	CLA	k	608	18	65,73,73	1.52	7 (10%)	76,113,113	1.28	7 (9%)
24	CLA	c	606	-	52,60,73	1.79	7 (13%)	60,97,113	1.43	9 (15%)
27	WVN	e	615	-	40,41,41	1.93	14 (35%)	50,56,56	2.15	15 (30%)
24	CLA	B	811	-	55,63,73	1.66	8 (14%)	64,101,113	1.35	7 (10%)
24	CLA	c	601	13	51,59,73	1.69	7 (13%)	59,96,113	1.49	9 (15%)
33	II0	k	615	-	39,43,43	6.67	21 (53%)	50,60,60	2.20	21 (42%)
24	CLA	a	308	14	65,73,73	1.42	8 (12%)	76,113,113	1.50	7 (9%)
34	IHT	b	317	-	40,42,42	6.31	26 (65%)	53,58,58	2.85	17 (32%)
34	IHT	k	618	-	40,42,42	6.25	25 (62%)	53,58,58	1.79	15 (28%)
24	CLA	f	607	-	65,73,73	1.48	9 (13%)	76,113,113	1.27	9 (11%)
24	CLA	B	822	36	65,73,73	1.49	7 (10%)	76,113,113	1.78	15 (19%)
24	CLA	A	816	-	65,73,73	1.41	8 (12%)	76,113,113	1.65	12 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
24	CLA	K	101	36	51,59,73	1.64	8 (15%)	59,96,113	1.74	12 (20%)
24	CLA	A	841	36	65,73,73	1.45	6 (9%)	76,113,113	1.43	7 (9%)
33	IIO	a	315	-	39,43,43	6.97	23 (58%)	50,60,60	1.88	15 (30%)
26	LHG	i	615	24	36,36,48	1.12	2 (5%)	39,42,54	1.19	3 (7%)
24	CLA	A	852	36	65,73,73	1.47	10 (15%)	76,113,113	1.58	13 (17%)
24	CLA	B	834	-	47,55,73	1.68	8 (17%)	54,91,113	1.70	9 (16%)
24	CLA	a	304	-	51,59,73	1.63	8 (15%)	59,96,113	1.51	7 (11%)
34	IHT	O	203	-	40,42,42	6.22	26 (65%)	53,58,58	2.34	19 (35%)
33	IIO	g	318	-	39,43,43	6.79	21 (53%)	50,60,60	2.18	19 (38%)
24	CLA	j	310	19	51,59,73	1.66	7 (13%)	59,96,113	1.49	8 (13%)
24	CLA	A	824	36	65,73,73	1.45	8 (12%)	76,113,113	1.39	9 (11%)
24	CLA	b	304	15	55,63,73	1.58	7 (12%)	64,101,113	1.56	9 (14%)
24	CLA	h	306	16	57,65,73	1.65	7 (12%)	66,103,113	1.27	7 (10%)
24	CLA	k	606	18	51,59,73	1.69	7 (13%)	59,96,113	1.48	7 (11%)
24	CLA	A	821	-	49,57,73	1.63	7 (14%)	55,93,113	1.72	8 (14%)
24	CLA	O	205	-	65,73,73	1.54	10 (15%)	76,113,113	1.68	23 (30%)
24	CLA	h	302	16	50,58,73	1.63	10 (20%)	58,95,113	1.51	9 (15%)
24	CLA	c	611	-	45,53,73	1.75	9 (20%)	52,89,113	1.85	12 (23%)
24	CLA	B	809	2	65,73,73	1.47	10 (15%)	76,113,113	1.43	8 (10%)
24	CLA	c	605	13	51,59,73	1.71	7 (13%)	59,96,113	1.57	11 (18%)
33	IIO	c	613	-	39,43,43	6.76	21 (53%)	50,60,60	2.15	17 (34%)
24	CLA	d	303	21	65,73,73	1.56	10 (15%)	76,113,113	1.47	12 (15%)
26	LHG	g	301	-	48,48,48	0.94	2 (4%)	51,54,54	1.04	2 (3%)
33	IIO	b	314	-	39,43,43	6.91	23 (58%)	50,60,60	2.20	13 (26%)
24	CLA	j	306	19	45,53,73	1.81	8 (17%)	52,89,113	1.77	12 (23%)
24	CLA	B	810	-	54,62,73	1.65	7 (12%)	67,100,113	1.29	8 (11%)
29	SF4	C	102	3	0,12,12	-	-	-	-	-
26	LHG	A	845	24	26,26,48	1.25	2 (7%)	29,32,54	1.53	5 (17%)
24	CLA	a	307	14	65,73,73	1.50	7 (10%)	76,113,113	1.39	12 (15%)
24	CLA	B	806	-	65,73,73	1.44	8 (12%)	76,113,113	1.50	9 (11%)
35	KC2	d	310	21	48,53,53	3.07	22 (45%)	54,89,89	4.59	31 (57%)
27	WVN	K	103	-	40,41,41	1.93	13 (32%)	50,56,56	2.08	17 (34%)
24	CLA	d	309	26	41,49,73	1.89	7 (17%)	47,84,113	1.50	8 (17%)
35	KC2	k	611	18	48,53,53	3.01	21 (43%)	54,89,89	4.62	32 (59%)
24	CLA	b	308	15	61,69,73	1.56	10 (16%)	71,108,113	1.62	13 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
24	CLA	j	311	26	61,69,73	1.55	7 (11%)	71,108,113	1.22	6 (8%)
24	CLA	B	828	-	49,57,73	1.60	8 (16%)	55,93,113	1.61	7 (12%)
24	CLA	A	827	-	62,70,73	1.46	7 (11%)	72,109,113	1.50	9 (12%)
35	KC2	g	314	35	48,53,53	3.10	21 (43%)	54,89,89	4.50	30 (55%)
24	CLA	A	818	-	65,73,73	1.49	8 (12%)	76,113,113	1.55	12 (15%)
24	CLA	B	838	-	57,65,73	1.61	10 (17%)	66,103,113	1.36	8 (12%)
33	II0	d	313	-	39,43,43	6.84	23 (58%)	50,60,60	2.23	18 (36%)
24	CLA	B	803	-	65,73,73	1.43	8 (12%)	76,113,113	1.36	10 (13%)
33	II0	k	619	-	39,43,43	6.75	21 (53%)	50,60,60	2.28	18 (36%)
33	II0	j	318	-	39,43,43	6.70	23 (58%)	50,60,60	2.29	18 (36%)
33	II0	a	313	-	39,43,43	6.70	22 (56%)	50,60,60	2.15	16 (32%)
24	CLA	j	302	19	51,59,73	1.72	8 (15%)	59,96,113	1.45	6 (10%)
24	CLA	h	312	36	65,73,73	1.47	7 (10%)	76,113,113	1.48	7 (9%)
24	CLA	k	610	26	51,59,73	1.67	8 (15%)	59,96,113	1.46	9 (15%)
32	LMG	O	204	-	26,26,55	1.26	2 (7%)	34,34,63	1.31	4 (11%)
24	CLA	B	812	-	65,73,73	1.44	7 (10%)	76,113,113	1.47	9 (11%)
27	WVN	M	101	-	40,41,41	1.87	14 (35%)	50,56,56	2.11	15 (30%)
24	CLA	A	801	-	65,73,73	1.48	6 (9%)	76,113,113	1.33	9 (11%)
24	CLA	e	601	17	45,53,73	1.79	6 (13%)	52,89,113	1.62	7 (13%)
26	LHG	B	802	-	37,37,48	1.04	2 (5%)	40,43,54	1.14	4 (10%)
28	LMT	F	203	-	24,24,36	1.07	1 (4%)	29,29,47	0.98	2 (6%)
24	CLA	b	309	15	65,73,73	1.58	8 (12%)	76,113,113	1.40	11 (14%)
24	CLA	f	612	-	51,59,73	1.77	11 (21%)	59,96,113	1.57	11 (18%)
24	CLA	a	303	14	50,58,73	1.62	7 (14%)	58,95,113	1.54	10 (17%)
24	CLA	k	614	-	51,59,73	1.77	9 (17%)	59,96,113	1.44	8 (13%)
24	CLA	f	608	19	65,73,73	1.45	7 (10%)	76,113,113	1.41	8 (10%)
24	CLA	j	314	-	65,73,73	1.46	7 (10%)	76,113,113	1.41	7 (9%)
24	CLA	A	856	26	41,49,73	1.87	9 (21%)	47,84,113	2.20	14 (29%)
24	CLA	B	837	-	65,73,73	1.42	7 (10%)	76,113,113	1.46	9 (11%)
26	LHG	a	301	24	48,48,48	0.93	2 (4%)	51,54,54	1.17	4 (7%)
27	WVN	L	205	-	40,41,41	1.92	13 (32%)	50,56,56	2.03	15 (30%)
24	CLA	b	303	15	51,59,73	1.61	8 (15%)	59,96,113	1.64	10 (16%)
24	CLA	b	307	36	65,73,73	1.49	5 (7%)	76,113,113	1.52	10 (13%)
24	CLA	j	313	-	51,59,73	1.81	10 (19%)	59,96,113	1.46	8 (13%)
26	LHG	g	321	24	36,36,48	1.08	2 (5%)	39,42,54	1.54	9 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
24	CLA	A	829	-	65,73,73	1.51	7 (10%)	76,113,113	1.42	9 (11%)
24	CLA	L	202	9	49,57,73	1.73	8 (16%)	55,93,113	1.57	8 (14%)
26	LHG	f	620	-	48,48,48	0.89	2 (4%)	51,54,54	1.09	3 (5%)
24	CLA	e	606	17	65,73,73	1.40	6 (9%)	76,113,113	1.37	7 (9%)
24	CLA	B	825	-	65,73,73	1.44	8 (12%)	76,113,113	1.57	11 (14%)
24	CLA	A	823	-	55,63,73	1.61	10 (18%)	64,101,113	1.37	8 (12%)
27	WVN	L	206	-	40,41,41	1.84	13 (32%)	50,56,56	2.33	20 (40%)
24	CLA	B	821	-	53,61,73	1.60	9 (16%)	61,98,113	1.42	8 (13%)
26	LHG	A	844	-	47,47,48	0.91	2 (4%)	50,53,54	1.15	5 (10%)
24	CLA	B	819	-	46,54,73	1.64	7 (15%)	53,90,113	1.65	8 (15%)
27	WVN	R	202	-	40,41,41	1.88	13 (32%)	50,56,56	2.49	17 (34%)
35	KC2	g	313	35	48,53,53	2.98	20 (41%)	54,89,89	4.43	32 (59%)
24	CLA	A	817	-	65,73,73	1.52	10 (15%)	76,113,113	1.48	11 (14%)
35	KC2	k	613	35	48,53,53	3.11	22 (45%)	54,89,89	4.51	30 (55%)
24	CLA	e	611	-	65,73,73	1.51	7 (10%)	76,113,113	1.41	11 (14%)
24	CLA	e	605	17	65,73,73	1.51	9 (13%)	76,113,113	1.34	9 (11%)
24	CLA	k	604	18	65,73,73	1.50	8 (12%)	76,113,113	1.47	9 (11%)
33	II0	f	614	-	39,43,43	6.70	21 (53%)	50,60,60	2.36	15 (30%)
35	KC2	e	609	17	48,53,53	3.00	21 (43%)	54,89,89	4.56	31 (57%)
33	II0	c	616	-	39,43,43	6.90	22 (56%)	50,60,60	2.05	16 (32%)
24	CLA	d	302	-	51,59,73	1.71	6 (11%)	59,96,113	1.50	10 (16%)
24	CLA	A	814	-	50,58,73	1.67	7 (14%)	58,95,113	1.72	11 (18%)
34	IHT	R	204	-	40,42,42	6.26	25 (62%)	53,58,58	2.19	19 (35%)
24	CLA	B	840	-	65,73,73	1.48	8 (12%)	76,113,113	1.51	8 (10%)
26	LHG	c	618	24	36,36,48	1.11	2 (5%)	39,42,54	1.20	6 (15%)
30	DGD	B	843	-	61,61,67	0.88	2 (3%)	75,75,81	1.19	8 (10%)
35	KC2	i	609	20	48,53,53	3.06	21 (43%)	54,89,89	4.60	32 (59%)
24	CLA	b	306	-	65,73,73	1.57	11 (16%)	76,113,113	1.58	10 (13%)
27	WVN	L	201	-	40,41,41	1.91	13 (32%)	50,56,56	2.28	15 (30%)
34	IHT	f	617	-	40,42,42	6.19	25 (62%)	53,58,58	3.99	25 (47%)
24	CLA	R	203	-	51,59,73	1.63	7 (13%)	59,96,113	1.69	10 (16%)
24	CLA	h	303	-	51,59,73	1.63	7 (13%)	59,96,113	1.61	11 (18%)
24	CLA	B	817	-	57,65,73	1.55	9 (15%)	66,103,113	1.59	8 (12%)
24	CLA	A	836	-	65,73,73	1.37	7 (10%)	76,113,113	1.60	12 (15%)
33	II0	e	616	-	39,43,43	6.81	21 (53%)	50,60,60	2.02	18 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
24	CLA	a	312	-	48,56,73	1.81	10 (20%)	55,92,113	1.60	9 (16%)
24	CLA	k	605	18	45,53,73	1.69	8 (17%)	52,89,113	1.57	9 (17%)
24	CLA	i	607	20	51,59,73	1.66	7 (13%)	59,96,113	1.48	9 (15%)
27	WVN	B	846	-	40,41,41	1.86	13 (32%)	50,56,56	2.10	16 (32%)
24	CLA	B	841	26	65,73,73	1.43	8 (12%)	76,113,113	1.45	11 (14%)
24	CLA	g	307	22	51,59,73	1.64	8 (15%)	59,96,113	1.50	9 (15%)
33	II0	i	614	-	39,43,43	6.76	22 (56%)	50,60,60	2.42	17 (34%)
24	CLA	h	301	16	50,58,73	1.68	7 (14%)	58,95,113	1.55	6 (10%)
27	WVN	I	101	-	40,41,41	1.85	14 (35%)	50,56,56	1.78	15 (30%)
32	LMG	J	106	-	55,55,55	0.85	3 (5%)	63,63,63	0.96	4 (6%)
24	CLA	g	311	26	54,62,73	1.62	8 (14%)	62,99,113	1.32	7 (11%)
33	II0	b	318	-	39,43,43	6.81	23 (58%)	50,60,60	2.34	21 (42%)
24	CLA	B	824	-	65,73,73	1.39	7 (10%)	76,113,113	1.47	10 (13%)
24	CLA	d	307	21	46,54,73	1.72	7 (15%)	53,90,113	1.55	7 (13%)
24	CLA	e	602	17	50,58,73	1.62	7 (14%)	58,95,113	1.57	6 (10%)
24	CLA	f	602	19	65,73,73	1.47	9 (13%)	76,113,113	1.34	9 (11%)
24	CLA	j	307	19	51,59,73	1.78	11 (21%)	59,96,113	1.72	10 (16%)
24	CLA	a	306	14	45,53,73	1.77	8 (17%)	52,89,113	1.73	8 (15%)
24	CLA	A	809	-	56,64,73	1.60	8 (14%)	65,102,113	1.45	9 (13%)
24	CLA	A	813	-	45,53,73	1.81	10 (22%)	52,89,113	1.67	10 (19%)
27	WVN	R	201	-	40,41,41	1.89	14 (35%)	50,56,56	1.84	12 (24%)
24	CLA	j	303	19	50,58,73	1.70	8 (16%)	58,95,113	1.39	7 (12%)
26	LHG	b	302	24	48,48,48	0.93	2 (4%)	51,54,54	1.20	5 (9%)
24	CLA	B	832	-	58,66,73	1.49	9 (15%)	67,104,113	1.59	10 (14%)
31	LMU	B	844	-	36,36,36	1.13	2 (5%)	47,47,47	1.08	4 (8%)
27	WVN	h	308	-	40,41,41	1.89	13 (32%)	50,56,56	2.29	19 (38%)
33	II0	a	317	-	39,43,43	7.00	22 (56%)	50,60,60	2.40	18 (36%)
33	II0	j	316	-	39,43,43	6.68	22 (56%)	50,60,60	2.17	21 (42%)
29	SF4	C	101	3	0,12,12	-	-	-	-	-
24	CLA	A	826	-	65,73,73	1.42	9 (13%)	76,113,113	1.62	15 (19%)
26	LHG	c	617	24	36,36,48	1.08	2 (5%)	39,42,54	1.24	5 (12%)
24	CLA	B	807	-	65,73,73	1.32	8 (12%)	76,113,113	1.63	8 (10%)
24	CLA	k	602	18	50,58,73	1.72	7 (14%)	58,95,113	1.57	9 (15%)
24	CLA	B	826	-	65,73,73	1.44	8 (12%)	76,113,113	1.39	7 (9%)
33	II0	g	320	-	39,43,43	6.78	21 (53%)	50,60,60	2.13	19 (38%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
33	II0	g	316	-	39,43,43	6.82	21 (53%)	50,60,60	2.01	20 (40%)
24	CLA	A	833	-	50,58,73	1.65	10 (20%)	58,95,113	1.47	7 (12%)
24	CLA	F	201	36	65,73,73	1.52	8 (12%)	76,113,113	1.30	9 (11%)
33	II0	h	311	-	39,43,43	6.75	22 (56%)	50,60,60	2.14	20 (40%)
24	CLA	k	603	-	51,59,73	1.74	8 (15%)	59,96,113	1.70	10 (16%)
24	CLA	c	604	13	65,73,73	1.51	7 (10%)	76,113,113	1.31	8 (10%)
24	CLA	f	609	19	65,73,73	1.46	6 (9%)	76,113,113	1.35	7 (9%)
33	II0	k	616	-	39,43,43	6.84	22 (56%)	50,60,60	2.14	16 (32%)
24	CLA	f	601	19	47,55,73	1.73	7 (14%)	54,91,113	1.49	6 (11%)
35	KC2	g	312	22	48,53,53	3.14	20 (41%)	54,89,89	4.89	35 (64%)
24	CLA	A	838	26	52,60,73	1.55	10 (19%)	60,97,113	1.53	9 (15%)
24	CLA	a	305	36	65,73,73	1.43	7 (10%)	76,113,113	1.42	8 (10%)
24	CLA	I	102	36	65,73,73	1.52	8 (12%)	76,113,113	1.41	10 (13%)
33	II0	O	202	-	39,43,43	6.77	22 (56%)	50,60,60	2.15	12 (24%)
27	WVN	A	847	-	40,41,41	1.90	14 (35%)	50,56,56	2.99	21 (42%)
24	CLA	B	833	-	65,73,73	1.42	7 (10%)	76,113,113	1.53	10 (13%)
24	CLA	A	820	36	65,73,73	1.47	9 (13%)	76,113,113	1.56	9 (11%)
24	CLA	g	308	-	65,73,73	1.43	8 (12%)	76,113,113	1.41	8 (10%)
35	KC2	c	610	-	48,53,53	3.07	21 (43%)	54,89,89	4.57	32 (59%)
24	CLA	A	802	-	65,73,73	1.48	9 (13%)	76,113,113	1.59	11 (14%)
32	LMG	F	206	-	48,48,55	0.96	2 (4%)	56,56,63	1.26	5 (8%)
33	II0	f	615	-	39,43,43	6.71	21 (53%)	50,60,60	1.98	17 (34%)
24	CLA	b	311	-	51,59,73	1.63	7 (13%)	59,96,113	1.63	10 (16%)
24	CLA	j	305	19	65,73,73	1.45	6 (9%)	76,113,113	1.47	9 (11%)
24	CLA	B	808	-	65,73,73	1.53	9 (13%)	76,113,113	1.28	10 (13%)
35	KC2	i	616	-	48,53,53	3.11	21 (43%)	54,89,89	4.51	31 (57%)
33	II0	e	612	-	39,43,43	6.72	21 (53%)	50,60,60	2.22	16 (32%)
27	WVN	A	849	-	40,41,41	1.90	14 (35%)	50,56,56	2.43	20 (40%)
24	CLA	a	310	14	65,73,73	1.48	8 (12%)	76,113,113	1.40	7 (9%)
24	CLA	h	304	-	51,59,73	1.61	7 (13%)	59,96,113	1.47	8 (13%)
24	CLA	i	611	-	51,59,73	1.70	6 (11%)	59,96,113	1.50	9 (15%)
24	CLA	A	830	-	50,58,73	1.69	10 (20%)	58,95,113	1.61	8 (13%)
24	CLA	g	309	22	65,73,73	1.44	7 (10%)	76,113,113	1.40	10 (13%)
35	KC2	f	611	19	48,53,53	2.99	21 (43%)	54,89,89	4.75	31 (57%)
24	CLA	k	607	-	51,59,73	1.79	8 (15%)	59,96,113	1.47	10 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
33	II0	g	317	-	39,43,43	6.68	23 (58%)	50,60,60	2.28	19 (38%)
24	CLA	A	825	36	65,73,73	1.37	9 (13%)	76,113,113	1.43	8 (10%)
28	LMT	b	319	-	24,24,36	1.06	2 (8%)	29,29,47	1.03	1 (3%)
24	CLA	j	304	-	51,59,73	1.63	6 (11%)	59,96,113	1.57	9 (15%)
24	CLA	O	201	-	65,73,73	1.48	8 (12%)	76,113,113	1.41	9 (11%)
24	CLA	b	305	-	65,73,73	1.45	6 (9%)	76,113,113	1.44	9 (11%)
24	CLA	j	309	19	45,53,73	1.78	8 (17%)	52,89,113	1.62	7 (13%)
24	CLA	f	606	19	51,59,73	1.69	8 (15%)	59,96,113	1.59	9 (15%)
24	CLA	i	606	20	61,69,73	1.53	8 (13%)	71,108,113	1.29	7 (9%)
24	CLA	i	601	20	51,59,73	1.68	7 (13%)	59,96,113	1.54	6 (10%)
24	CLA	f	605	19	45,53,73	1.76	7 (15%)	52,89,113	1.46	6 (11%)
24	CLA	i	603	-	51,59,73	1.67	7 (13%)	59,96,113	1.58	7 (11%)
33	II0	e	613	-	39,43,43	6.70	23 (58%)	50,60,60	2.04	16 (32%)
24	CLA	B	836	-	65,73,73	1.47	10 (15%)	76,113,113	1.54	12 (15%)
25	PQN	A	843	-	34,34,34	1.89	5 (14%)	42,45,45	1.23	5 (11%)
24	CLA	A	837	-	65,73,73	1.41	8 (12%)	76,113,113	1.59	15 (19%)
24	CLA	B	801	36	65,73,73	1.46	8 (12%)	76,113,113	1.55	9 (11%)
24	CLA	b	313	-	65,73,73	1.56	8 (12%)	76,113,113	1.22	8 (10%)
24	CLA	g	305	22	65,73,73	1.41	7 (10%)	76,113,113	1.47	9 (11%)
24	CLA	B	815	-	55,63,73	1.61	7 (12%)	64,101,113	1.44	7 (10%)
24	CLA	a	311	-	47,55,73	1.72	8 (17%)	54,91,113	2.02	15 (27%)
24	CLA	F	202	6	52,60,73	1.64	8 (15%)	60,97,113	1.67	11 (18%)
26	LHG	f	619	24	36,36,48	1.07	2 (5%)	39,42,54	1.21	3 (7%)
24	CLA	h	307	16	51,59,73	1.67	7 (13%)	59,96,113	1.61	9 (15%)
24	CLA	B	827	-	50,58,73	1.67	9 (18%)	58,95,113	1.43	9 (15%)
24	CLA	e	604	36	65,73,73	1.47	8 (12%)	76,113,113	1.50	10 (13%)
27	WVN	A	846	-	40,41,41	1.92	14 (35%)	50,56,56	2.27	14 (28%)
24	CLA	A	810	-	62,70,73	1.53	9 (14%)	72,109,113	1.28	9 (12%)
27	WVN	B	847	-	40,41,41	1.85	13 (32%)	50,56,56	2.34	17 (34%)
27	WVN	B	848	-	40,41,41	1.90	14 (35%)	50,56,56	2.42	15 (30%)
24	CLA	c	603	-	51,59,73	1.61	7 (13%)	59,96,113	1.52	7 (11%)
24	CLA	c	608	13	65,73,73	1.45	6 (9%)	76,113,113	1.45	11 (14%)
24	CLA	L	203	-	65,73,73	1.47	9 (13%)	76,113,113	1.41	11 (14%)
33	II0	h	309	-	26,28,43	6.13	12 (46%)	31,37,60	2.13	12 (38%)
32	LMG	L	208	24	55,55,55	0.90	2 (3%)	63,63,63	1.43	10 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
24	CLA	B	831	36	45,53,73	1.78	10 (22%)	52,89,113	1.56	9 (17%)
24	CLA	i	602	20	50,58,73	1.68	7 (14%)	58,95,113	1.56	9 (15%)
24	CLA	e	603	17	51,59,73	1.73	7 (13%)	59,96,113	1.52	9 (15%)
34	IHT	a	316	-	40,42,42	6.19	25 (62%)	53,58,58	2.12	19 (35%)
24	CLA	A	839	1	65,73,73	1.49	8 (12%)	76,113,113	1.46	9 (11%)
24	CLA	g	322	32	65,73,73	1.43	7 (10%)	76,113,113	1.39	9 (11%)
24	CLA	f	610	26	65,73,73	1.48	6 (9%)	76,113,113	1.36	7 (9%)
24	CLA	B	805	-	65,73,73	1.38	8 (12%)	76,113,113	1.50	8 (10%)
24	CLA	c	607	13	46,54,73	1.76	7 (15%)	53,90,113	1.46	6 (11%)
33	II0	d	315	-	39,43,43	6.91	23 (58%)	50,60,60	2.30	16 (32%)
24	CLA	A	835	-	65,73,73	1.52	9 (13%)	76,113,113	1.40	9 (11%)
32	LMG	b	301	-	55,55,55	0.89	2 (3%)	63,63,63	1.13	5 (7%)
34	IHT	g	319	-	40,42,42	6.12	25 (62%)	53,58,58	2.33	19 (35%)
24	CLA	B	804	-	65,73,73	1.43	9 (13%)	76,113,113	1.67	11 (14%)
24	CLA	A	840	-	65,73,73	1.41	7 (10%)	76,113,113	1.41	7 (9%)
33	II0	h	310	-	39,43,43	6.55	20 (51%)	50,60,60	2.22	20 (40%)
24	CLA	i	608	26	46,54,73	1.79	7 (15%)	53,90,113	1.41	7 (13%)
24	CLA	B	813	-	60,68,73	1.48	7 (11%)	70,107,113	1.46	10 (14%)
33	II0	f	618	-	39,43,43	6.71	20 (51%)	50,60,60	2.38	17 (34%)
27	WVN	A	850	-	40,41,41	1.89	14 (35%)	50,56,56	2.09	12 (24%)
24	CLA	c	612	-	65,73,73	1.44	5 (7%)	76,113,113	1.41	11 (14%)
24	CLA	a	302	14	52,60,73	1.63	9 (17%)	60,97,113	1.51	10 (16%)
34	IHT	j	317	-	40,42,42	6.22	25 (62%)	53,58,58	2.34	18 (33%)
33	II0	c	614	-	39,43,43	6.93	21 (53%)	50,60,60	2.21	17 (34%)
26	LHG	J	107	24	48,48,48	1.01	2 (4%)	51,54,54	1.08	3 (5%)
24	CLA	B	820	-	55,63,73	1.61	8 (14%)	64,101,113	1.47	9 (14%)
24	CLA	A	805	1	65,73,73	1.43	9 (13%)	76,113,113	1.54	11 (14%)
24	CLA	A	807	1	65,73,73	1.44	7 (10%)	76,113,113	1.48	9 (11%)
24	CLA	A	832	-	65,73,73	1.45	8 (12%)	76,113,113	1.74	15 (19%)
24	CLA	i	610	-	51,59,73	1.77	10 (19%)	59,96,113	1.60	8 (13%)
24	CLA	d	305	-	51,59,73	1.61	9 (17%)	59,96,113	1.27	8 (13%)
33	II0	a	314	-	39,43,43	6.70	22 (56%)	50,60,60	2.13	20 (40%)
24	CLA	j	308	-	51,59,73	1.71	9 (17%)	59,96,113	1.37	7 (11%)
27	WVN	B	845	-	40,41,41	1.90	13 (32%)	50,56,56	2.42	18 (36%)
24	CLA	B	816	-	59,67,73	1.55	10 (16%)	68,105,113	1.55	10 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
33	II0	k	621	-	39,43,43	6.93	22 (56%)	50,60,60	2.05	14 (28%)
28	LMT	a	318	-	36,36,36	1.21	5 (13%)	47,47,47	1.15	3 (6%)
24	CLA	A	822	-	51,59,73	1.69	9 (17%)	59,96,113	1.46	10 (16%)
24	CLA	a	309	26	48,56,73	1.75	7 (14%)	55,92,113	1.39	8 (14%)
24	CLA	d	301	21	50,58,73	1.74	7 (14%)	58,95,113	1.55	8 (13%)
24	CLA	B	823	36	64,72,73	1.45	10 (15%)	74,111,113	1.52	8 (10%)
24	CLA	A	842	-	65,73,73	1.41	7 (10%)	76,113,113	1.57	12 (15%)
24	CLA	d	306	-	51,59,73	1.71	11 (21%)	59,96,113	1.23	6 (10%)
24	CLA	A	834	-	51,59,73	1.59	8 (15%)	59,96,113	1.80	11 (18%)
24	CLA	J	105	26	51,59,73	1.65	7 (13%)	59,96,113	1.64	10 (16%)
27	WVN	j	301	-	40,41,41	1.92	14 (35%)	50,56,56	2.11	18 (36%)
34	IHT	b	316	-	40,42,42	6.23	25 (62%)	53,58,58	2.19	17 (32%)
24	CLA	J	103	8	42,50,73	1.70	9 (21%)	48,85,113	1.74	7 (14%)
24	CLA	e	607	17	65,73,73	1.41	7 (10%)	76,113,113	1.39	8 (10%)
26	LHG	e	617	24	36,36,48	1.12	2 (5%)	39,42,54	1.16	4 (10%)
24	CLA	A	853	-	65,73,73	1.44	9 (13%)	76,113,113	1.43	10 (13%)
24	CLA	B	818	36	65,73,73	1.45	8 (12%)	76,113,113	1.49	8 (10%)
24	CLA	B	814	-	59,67,73	1.52	8 (13%)	68,105,113	1.52	9 (13%)
24	CLA	k	601	18	51,59,73	1.74	9 (17%)	59,96,113	1.57	7 (11%)
26	LHG	k	620	24	36,36,48	1.14	2 (5%)	39,42,54	1.15	5 (12%)
34	IHT	c	615	-	40,42,42	6.27	25 (62%)	53,58,58	2.17	16 (30%)
33	II0	b	315	-	39,43,43	6.72	21 (53%)	50,60,60	2.77	21 (42%)
33	II0	f	616	-	39,43,43	6.64	22 (56%)	50,60,60	2.44	19 (38%)
24	CLA	K	102	-	42,50,73	1.75	11 (26%)	48,85,113	1.74	12 (25%)
33	II0	i	612	-	39,43,43	6.65	23 (58%)	50,60,60	2.50	16 (32%)
27	WVN	A	848	-	40,41,41	1.81	13 (32%)	50,56,56	1.74	12 (24%)
24	CLA	L	204	36	50,58,73	1.59	7 (14%)	58,95,113	1.59	8 (13%)
24	CLA	A	831	-	65,73,73	1.42	9 (13%)	76,113,113	1.39	9 (11%)
24	CLA	A	806	-	65,73,73	1.52	8 (12%)	76,113,113	1.42	10 (13%)
24	CLA	B	835	36	65,73,73	1.44	8 (12%)	76,113,113	1.30	7 (9%)
33	II0	j	315	-	39,43,43	6.61	20 (51%)	50,60,60	2.53	18 (36%)
24	CLA	b	312	15	65,73,73	1.55	8 (12%)	76,113,113	1.36	10 (13%)
27	WVN	J	102	-	40,41,41	1.86	14 (35%)	50,56,56	2.17	16 (32%)
33	II0	k	617	-	39,43,43	6.87	22 (56%)	50,60,60	2.61	18 (36%)
24	CLA	A	828	-	65,73,73	1.44	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
29	SF4	A	854	1,2	0,12,12	-	-	-		
35	KC2	d	311	-	48,53,53	3.08	22 (45%)	54,89,89	4.51	33 (61%)
24	CLA	g	315	-	51,59,73	1.66	7 (13%)	59,96,113	1.41	7 (11%)
24	CLA	i	605	20	51,59,73	1.74	7 (13%)	59,96,113	1.36	7 (11%)
24	CLA	g	304	-	51,59,73	1.63	8 (15%)	59,96,113	1.64	12 (20%)
24	CLA	A	803	-	55,63,73	1.55	7 (12%)	64,101,113	1.70	10 (15%)
24	CLA	L	207	36	51,59,73	1.66	7 (13%)	59,96,113	1.55	7 (11%)
24	CLA	g	306	22	51,59,73	1.70	9 (17%)	59,96,113	1.35	8 (13%)
25	PQN	B	842	-	34,34,34	1.86	5 (14%)	42,45,45	1.29	6 (14%)
35	KC2	k	612	35	48,53,53	3.03	22 (45%)	54,89,89	4.60	37 (68%)
33	II0	i	613	-	39,43,43	6.81	23 (58%)	50,60,60	1.96	14 (28%)
24	CLA	e	608	26	46,54,73	1.71	7 (15%)	53,90,113	1.75	8 (15%)
24	CLA	c	609	26	45,53,73	1.82	6 (13%)	52,89,113	1.50	7 (13%)
24	CLA	c	602	13	50,58,73	1.71	7 (14%)	58,95,113	1.61	10 (17%)
24	CLA	A	812	-	65,73,73	1.41	7 (10%)	76,113,113	1.61	10 (13%)
33	II0	e	614	-	39,43,43	6.91	20 (51%)	50,60,60	2.10	20 (40%)
26	LHG	j	319	24	29,29,48	1.26	2 (6%)	32,35,54	1.34	4 (12%)
24	CLA	B	830	36	65,73,73	1.46	9 (13%)	76,113,113	1.39	10 (13%)
24	CLA	f	604	19	65,73,73	1.41	9 (13%)	76,113,113	1.47	8 (10%)
24	CLA	i	604	20	65,73,73	1.47	7 (10%)	76,113,113	1.72	10 (13%)
24	CLA	d	308	21	41,49,73	1.84	8 (19%)	47,84,113	1.54	8 (17%)
24	CLA	g	302	22	42,50,73	1.70	8 (19%)	48,85,113	1.87	9 (18%)
33	II0	J	104	-	39,43,43	6.60	20 (51%)	50,60,60	2.09	16 (32%)
27	WVN	J	101	-	40,41,41	1.88	14 (35%)	50,56,56	2.02	15 (30%)
24	CLA	A	815	36	45,53,73	1.75	8 (17%)	52,89,113	1.84	7 (13%)
35	KC2	j	312	19	48,53,53	3.01	21 (43%)	54,89,89	4.61	31 (57%)
28	LMT	A	851	-	36,36,36	1.22	6 (16%)	47,47,47	1.36	5 (10%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	CLA	b	310	26	1/1/15/20	11/37/115/115	-
24	CLA	g	303	22	1/1/12/20	7/19/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	CLA	A	855	36	1/1/15/20	16/37/115/115	-
27	WVN	F	204	-	-	10/29/63/63	0/2/2/2
27	WVN	B	849	-	-	13/29/63/63	0/2/2/2
24	CLA	k	609	18	1/1/15/20	13/37/115/115	-
24	CLA	f	613	-	1/1/15/20	20/37/115/115	-
24	CLA	d	304	21	1/1/12/20	10/21/99/115	-
24	CLA	A	808	1	1/1/15/20	11/37/115/115	-
24	CLA	B	839	-	1/1/15/20	10/37/115/115	-
24	CLA	A	819	-	1/1/11/20	5/13/91/115	-
24	CLA	g	310	22	1/1/12/20	6/21/99/115	-
24	CLA	A	811	-	1/1/12/20	7/24/102/115	-
33	IIO	d	314	-	-	5/21/67/67	0/2/2/2
24	CLA	d	312	-	-	5/21/99/115	-
24	CLA	h	305	16	1/1/15/20	11/37/115/115	-
24	CLA	e	610	36	-	14/37/115/115	-
24	CLA	A	804	-	1/1/15/20	7/37/115/115	-
27	WVN	F	205	-	-	12/29/63/63	0/2/2/2
24	CLA	f	603	-	1/1/12/20	4/21/99/115	-
26	LHG	b	320	24	-	17/53/53/53	-
26	LHG	d	316	24	-	11/41/41/53	-
24	CLA	B	829	-	1/1/12/20	5/19/97/115	-
24	CLA	k	608	18	1/1/15/20	14/37/115/115	-
24	CLA	c	606	-	-	8/22/100/115	-
27	WVN	e	615	-	-	11/29/63/63	0/2/2/2
24	CLA	B	811	-	1/1/13/20	6/25/103/115	-
24	CLA	c	601	13	1/1/12/20	10/21/99/115	-
33	IIO	k	615	-	-	5/21/67/67	0/2/2/2
24	CLA	a	308	14	1/1/15/20	14/37/115/115	-
34	IHT	b	317	-	-	7/25/65/65	0/2/2/2
34	IHT	k	618	-	-	7/25/65/65	0/2/2/2
24	CLA	f	607	-	1/1/15/20	16/37/115/115	-
24	CLA	B	822	36	1/1/15/20	10/37/115/115	-
24	CLA	A	816	-	1/1/15/20	16/37/115/115	-
24	CLA	K	101	36	1/1/12/20	3/21/99/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	CLA	A	841	36	1/1/15/20	22/37/115/115	-
33	II0	a	315	-	-	3/21/67/67	0/2/2/2
26	LHG	i	615	24	-	12/41/41/53	-
24	CLA	A	852	36	1/1/15/20	3/37/115/115	-
24	CLA	B	834	-	1/1/11/20	2/16/94/115	-
24	CLA	a	304	-	1/1/12/20	1/21/99/115	-
34	IHT	O	203	-	-	5/25/65/65	0/2/2/2
33	II0	g	318	-	-	2/21/67/67	0/2/2/2
24	CLA	j	310	19	1/1/12/20	5/21/99/115	-
24	CLA	A	824	36	1/1/15/20	11/37/115/115	-
24	CLA	b	304	15	1/1/13/20	8/25/103/115	-
24	CLA	h	306	16	1/1/13/20	7/28/106/115	-
24	CLA	k	606	18	-	6/21/99/115	-
24	CLA	A	821	-	1/1/11/20	7/18/96/115	-
24	CLA	O	205	-	1/1/15/20	18/37/115/115	-
24	CLA	h	302	16	1/1/12/20	9/19/97/115	-
24	CLA	c	611	-	1/1/11/20	5/13/91/115	-
24	CLA	B	809	2	1/1/15/20	11/37/115/115	-
24	CLA	c	605	13	1/1/12/20	7/21/99/115	-
33	II0	c	613	-	-	3/21/67/67	0/2/2/2
24	CLA	d	303	21	1/1/15/20	17/37/115/115	-
26	LHG	g	301	-	-	14/53/53/53	-
33	II0	b	314	-	-	7/21/67/67	0/2/2/2
24	CLA	j	306	19	1/1/11/20	5/13/91/115	-
24	CLA	B	810	-	1/1/13/20	5/25/101/115	-
29	SF4	C	102	3	-	-	0/6/5/5
26	LHG	A	845	24	-	6/31/31/53	-
24	CLA	a	307	14	1/1/15/20	16/37/115/115	-
24	CLA	B	806	-	1/1/15/20	14/37/115/115	-
35	KC2	d	310	21	-	5/15/71/71	-
27	WVN	K	103	-	-	6/29/63/63	0/2/2/2
24	CLA	d	309	26	1/1/10/20	0/8/86/115	-
35	KC2	k	611	18	-	7/15/71/71	-
24	CLA	b	308	15	1/1/14/20	12/33/111/115	-
24	CLA	j	311	26	1/1/14/20	13/33/111/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	CLA	B	828	-	-	4/18/96/115	-
24	CLA	A	827	-	1/1/14/20	9/34/112/115	-
35	KC2	g	314	35	-	9/15/71/71	-
24	CLA	A	818	-	-	19/37/115/115	-
24	CLA	B	838	-	1/1/13/20	9/28/106/115	-
33	II0	d	313	-	-	6/21/67/67	0/2/2/2
24	CLA	B	803	-	1/1/15/20	19/37/115/115	-
33	II0	k	619	-	-	5/21/67/67	0/2/2/2
33	II0	j	318	-	-	5/21/67/67	0/2/2/2
33	II0	a	313	-	-	1/21/67/67	0/2/2/2
24	CLA	j	302	19	1/1/12/20	7/21/99/115	-
24	CLA	h	312	36	1/1/15/20	8/37/115/115	-
24	CLA	k	610	26	1/1/12/20	11/21/99/115	-
32	LMG	O	204	-	-	7/21/41/70	0/1/1/1
24	CLA	B	812	-	1/1/15/20	14/37/115/115	-
27	WVN	M	101	-	-	9/29/63/63	0/2/2/2
24	CLA	A	801	-	1/1/15/20	8/37/115/115	-
24	CLA	e	601	17	1/1/11/20	7/13/91/115	-
26	LHG	B	802	-	-	16/42/42/53	-
28	LMT	F	203	-	-	4/15/35/61	0/1/1/2
24	CLA	b	309	15	1/1/15/20	18/37/115/115	-
24	CLA	f	612	-	1/1/12/20	6/21/99/115	-
24	CLA	a	303	14	1/1/12/20	6/19/97/115	-
24	CLA	k	614	-	-	7/21/99/115	-
24	CLA	f	608	19	1/1/15/20	9/37/115/115	-
24	CLA	j	314	-	1/1/15/20	14/37/115/115	-
24	CLA	A	856	26	1/1/10/20	4/8/86/115	-
24	CLA	B	837	-	1/1/15/20	15/37/115/115	-
26	LHG	a	301	24	-	15/53/53/53	-
27	WVN	L	205	-	-	6/29/63/63	0/2/2/2
24	CLA	b	303	15	1/1/12/20	7/21/99/115	-
24	CLA	b	307	36	1/1/15/20	10/37/115/115	-
24	CLA	j	313	-	1/1/12/20	6/21/99/115	-
26	LHG	g	321	24	-	12/41/41/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	CLA	A	829	-	1/1/15/20	14/37/115/115	-
24	CLA	L	202	9	1/1/11/20	9/18/96/115	-
26	LHG	f	620	-	-	17/53/53/53	-
24	CLA	e	606	17	1/1/15/20	11/37/115/115	-
24	CLA	B	825	-	1/1/15/20	11/37/115/115	-
24	CLA	A	823	-	1/1/13/20	6/25/103/115	-
27	WVN	L	206	-	-	3/29/63/63	0/2/2/2
24	CLA	B	821	-	1/1/12/20	7/23/101/115	-
26	LHG	A	844	-	-	7/52/52/53	-
24	CLA	B	819	-	-	3/15/93/115	-
27	WVN	R	202	-	-	10/29/63/63	0/2/2/2
35	KC2	g	313	35	-	2/15/71/71	-
24	CLA	A	817	-	1/1/15/20	13/37/115/115	-
35	KC2	k	613	35	-	7/15/71/71	-
24	CLA	e	611	-	1/1/15/20	14/37/115/115	-
24	CLA	e	605	17	1/1/15/20	15/37/115/115	-
24	CLA	k	604	18	1/1/15/20	11/37/115/115	-
33	II0	f	614	-	-	4/21/67/67	0/2/2/2
35	KC2	e	609	17	-	5/15/71/71	-
33	II0	c	616	-	-	3/21/67/67	0/2/2/2
24	CLA	d	302	-	1/1/12/20	3/21/99/115	-
24	CLA	A	814	-	-	9/19/97/115	-
34	IHT	R	204	-	-	4/25/65/65	0/2/2/2
24	CLA	B	840	-	-	11/37/115/115	-
26	LHG	c	618	24	-	11/41/41/53	-
30	DGD	B	843	-	-	5/49/89/95	0/2/2/2
35	KC2	i	609	20	-	9/15/71/71	-
24	CLA	b	306	-	-	17/37/115/115	-
27	WVN	L	201	-	-	10/29/63/63	0/2/2/2
34	IHT	f	617	-	-	4/25/65/65	0/2/2/2
24	CLA	R	203	-	1/1/12/20	9/21/99/115	-
24	CLA	h	303	-	1/1/12/20	5/21/99/115	-
24	CLA	B	817	-	-	7/28/106/115	-
24	CLA	A	836	-	1/1/15/20	8/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	II0	e	616	-	-	5/21/67/67	0/2/2/2
24	CLA	a	312	-	1/1/11/20	6/17/95/115	-
24	CLA	k	605	18	1/1/11/20	7/13/91/115	-
24	CLA	i	607	20	1/1/12/20	1/21/99/115	-
27	WVN	B	846	-	-	0/29/63/63	0/2/2/2
24	CLA	B	841	26	-	3/37/115/115	-
24	CLA	g	307	22	1/1/12/20	7/21/99/115	-
33	II0	i	614	-	-	4/21/67/67	0/2/2/2
24	CLA	h	301	16	1/1/12/20	8/19/97/115	-
27	WVN	I	101	-	-	9/29/63/63	0/2/2/2
32	LMG	J	106	-	-	13/50/70/70	0/1/1/1
24	CLA	g	311	26	1/1/12/20	10/24/102/115	-
33	II0	b	318	-	-	4/21/67/67	0/2/2/2
24	CLA	B	824	-	1/1/15/20	3/37/115/115	-
24	CLA	d	307	21	1/1/11/20	4/15/93/115	-
24	CLA	e	602	17	1/1/12/20	6/19/97/115	-
24	CLA	f	602	19	1/1/15/20	17/37/115/115	-
24	CLA	j	307	19	1/1/12/20	9/21/99/115	-
24	CLA	a	306	14	1/1/11/20	6/13/91/115	-
24	CLA	A	809	-	1/1/13/20	8/27/105/115	-
24	CLA	A	813	-	1/1/11/20	7/13/91/115	-
27	WVN	R	201	-	-	6/29/63/63	0/2/2/2
24	CLA	j	303	19	1/1/12/20	2/19/97/115	-
26	LHG	b	302	24	-	13/53/53/53	-
24	CLA	B	832	-	1/1/13/20	8/29/107/115	-
31	LMU	B	844	-	-	8/21/61/61	0/2/2/2
27	WVN	h	308	-	-	5/29/63/63	0/2/2/2
33	II0	a	317	-	-	7/21/67/67	0/2/2/2
33	II0	j	316	-	-	2/21/67/67	0/2/2/2
29	SF4	C	101	3	-	-	0/6/5/5
24	CLA	A	826	-	1/1/15/20	8/37/115/115	-
26	LHG	c	617	24	-	14/41/41/53	-
24	CLA	B	807	-	1/1/15/20	10/37/115/115	-
24	CLA	k	602	18	1/1/12/20	6/19/97/115	-
24	CLA	B	826	-	1/1/15/20	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	II0	g	320	-	-	4/21/67/67	0/2/2/2
33	II0	g	316	-	-	7/21/67/67	0/2/2/2
24	CLA	A	833	-	1/1/12/20	4/19/97/115	-
24	CLA	F	201	36	1/1/15/20	14/37/115/115	-
33	II0	h	311	-	-	7/21/67/67	0/2/2/2
24	CLA	k	603	-	1/1/12/20	3/21/99/115	-
24	CLA	c	604	13	1/1/15/20	5/37/115/115	-
24	CLA	f	609	19	1/1/15/20	5/37/115/115	-
33	II0	k	616	-	-	6/21/67/67	0/2/2/2
24	CLA	f	601	19	1/1/11/20	10/16/94/115	-
35	KC2	g	312	22	-	9/15/71/71	-
24	CLA	A	838	26	1/1/12/20	5/22/100/115	-
24	CLA	a	305	36	1/1/15/20	9/37/115/115	-
24	CLA	I	102	36	1/1/15/20	15/37/115/115	-
33	II0	O	202	-	-	3/21/67/67	0/2/2/2
27	WVN	A	847	-	-	10/29/63/63	0/2/2/2
24	CLA	B	833	-	1/1/15/20	9/37/115/115	-
24	CLA	A	820	36	1/1/15/20	5/37/115/115	-
24	CLA	g	308	-	1/1/15/20	18/37/115/115	-
35	KC2	c	610	-	-	10/15/71/71	-
24	CLA	A	802	-	1/1/15/20	16/37/115/115	-
32	LMG	F	206	-	-	11/43/63/70	0/1/1/1
33	II0	f	615	-	-	4/21/67/67	0/2/2/2
24	CLA	b	311	-	1/1/12/20	6/21/99/115	-
24	CLA	j	305	19	-	11/37/115/115	-
24	CLA	B	808	-	1/1/15/20	13/37/115/115	-
35	KC2	i	616	-	-	10/15/71/71	-
33	II0	e	612	-	-	4/21/67/67	0/2/2/2
27	WVN	A	849	-	-	8/29/63/63	0/2/2/2
24	CLA	a	310	14	1/1/15/20	13/37/115/115	-
24	CLA	h	304	-	1/1/12/20	6/21/99/115	-
24	CLA	i	611	-	1/1/12/20	11/21/99/115	-
24	CLA	A	830	-	1/1/12/20	4/19/97/115	-
24	CLA	g	309	22	1/1/15/20	6/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
35	KC2	f	611	19	-	7/15/71/71	-
24	CLA	k	607	-	1/1/12/20	7/21/99/115	-
33	II0	g	317	-	-	5/21/67/67	0/2/2/2
24	CLA	A	825	36	1/1/15/20	10/37/115/115	-
28	LMT	b	319	-	-	9/15/35/61	0/1/1/2
24	CLA	j	304	-	1/1/12/20	0/21/99/115	-
24	CLA	O	201	-	1/1/15/20	16/37/115/115	-
24	CLA	b	305	-	1/1/15/20	13/37/115/115	-
24	CLA	j	309	19	1/1/11/20	5/13/91/115	-
24	CLA	f	606	19	-	2/21/99/115	-
24	CLA	i	606	20	1/1/14/20	11/33/111/115	-
24	CLA	i	601	20	1/1/12/20	9/21/99/115	-
24	CLA	i	603	-	1/1/12/20	4/21/99/115	-
24	CLA	f	605	19	-	7/13/91/115	-
33	II0	e	613	-	-	6/21/67/67	0/2/2/2
24	CLA	B	836	-	1/1/15/20	25/37/115/115	-
25	PQN	A	843	-	-	6/23/43/43	0/2/2/2
24	CLA	A	837	-	1/1/15/20	11/37/115/115	-
24	CLA	B	801	36	1/1/15/20	13/37/115/115	-
24	CLA	b	313	-	1/1/15/20	23/37/115/115	-
24	CLA	g	305	22	1/1/15/20	16/37/115/115	-
24	CLA	B	815	-	1/1/13/20	7/25/103/115	-
24	CLA	a	311	-	1/1/11/20	8/16/94/115	-
24	CLA	F	202	6	1/1/12/20	11/22/100/115	-
26	LHG	f	619	24	-	22/41/41/53	-
24	CLA	h	307	16	1/1/12/20	9/21/99/115	-
24	CLA	B	827	-	1/1/12/20	9/19/97/115	-
24	CLA	e	604	36	1/1/15/20	9/37/115/115	-
27	WVN	A	846	-	-	8/29/63/63	0/2/2/2
24	CLA	A	810	-	1/1/14/20	8/34/112/115	-
27	WVN	B	847	-	-	12/29/63/63	0/2/2/2
27	WVN	B	848	-	-	7/29/63/63	0/2/2/2
24	CLA	c	603	-	1/1/12/20	3/21/99/115	-
24	CLA	c	608	13	1/1/15/20	17/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	CLA	L	203	-	1/1/15/20	11/37/115/115	-
33	II0	h	309	-	-	3/17/40/67	0/1/1/2
32	LMG	L	208	24	-	19/50/70/70	0/1/1/1
24	CLA	B	831	36	1/1/11/20	4/13/91/115	-
24	CLA	i	602	20	1/1/12/20	9/19/97/115	-
24	CLA	e	603	17	1/1/12/20	5/21/99/115	-
34	IHT	a	316	-	-	9/25/65/65	0/2/2/2
24	CLA	A	839	1	1/1/15/20	15/37/115/115	-
24	CLA	g	322	32	1/1/15/20	13/37/115/115	-
24	CLA	f	610	26	1/1/15/20	15/37/115/115	-
24	CLA	B	805	-	1/1/15/20	17/37/115/115	-
24	CLA	c	607	13	1/1/11/20	2/15/93/115	-
33	II0	d	315	-	-	8/21/67/67	0/2/2/2
24	CLA	A	835	-	1/1/15/20	12/37/115/115	-
32	LMG	b	301	-	-	17/50/70/70	0/1/1/1
34	IHT	g	319	-	-	11/25/65/65	0/2/2/2
24	CLA	B	804	-	1/1/15/20	9/37/115/115	-
24	CLA	A	840	-	1/1/15/20	16/37/115/115	-
33	II0	h	310	-	-	8/21/67/67	0/2/2/2
24	CLA	i	608	26	1/1/11/20	5/15/93/115	-
24	CLA	B	813	-	1/1/14/20	14/31/109/115	-
33	II0	f	618	-	-	7/21/67/67	0/2/2/2
27	WVN	A	850	-	-	14/29/63/63	0/2/2/2
24	CLA	c	612	-	1/1/15/20	11/37/115/115	-
24	CLA	a	302	14	1/1/12/20	9/22/100/115	-
34	IHT	j	317	-	-	7/25/65/65	0/2/2/2
33	II0	c	614	-	-	1/21/67/67	0/2/2/2
26	LHG	J	107	24	-	19/53/53/53	-
24	CLA	B	820	-	-	8/25/103/115	-
24	CLA	A	805	1	1/1/15/20	7/37/115/115	-
24	CLA	A	807	1	1/1/15/20	9/37/115/115	-
24	CLA	A	832	-	-	12/37/115/115	-
24	CLA	i	610	-	1/1/12/20	7/21/99/115	-
24	CLA	d	305	-	-	5/21/99/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	II0	a	314	-	-	7/21/67/67	0/2/2/2
24	CLA	j	308	-	1/1/12/20	8/21/99/115	-
27	WVN	B	845	-	-	6/29/63/63	0/2/2/2
24	CLA	B	816	-	1/1/13/20	7/30/108/115	-
33	II0	k	621	-	-	4/21/67/67	0/2/2/2
28	LMT	a	318	-	-	3/21/61/61	0/2/2/2
24	CLA	A	822	-	1/1/12/20	6/21/99/115	-
24	CLA	a	309	26	1/1/11/20	6/17/95/115	-
24	CLA	d	301	21	1/1/12/20	7/19/97/115	-
24	CLA	B	823	36	1/1/14/20	11/36/114/115	-
24	CLA	A	842	-	1/1/15/20	21/37/115/115	-
24	CLA	d	306	-	1/1/12/20	10/21/99/115	-
24	CLA	A	834	-	1/1/12/20	4/21/99/115	-
24	CLA	J	105	26	1/1/12/20	5/21/99/115	-
27	WVN	j	301	-	-	9/29/63/63	0/2/2/2
34	IHT	b	316	-	-	3/25/65/65	0/2/2/2
24	CLA	J	103	8	1/1/10/20	5/10/88/115	-
24	CLA	e	607	17	1/1/15/20	10/37/115/115	-
26	LHG	e	617	24	-	11/41/41/53	-
24	CLA	A	853	-	1/1/15/20	14/37/115/115	-
24	CLA	B	818	36	1/1/15/20	7/37/115/115	-
24	CLA	B	814	-	1/1/13/20	13/30/108/115	-
24	CLA	k	601	18	1/1/12/20	10/21/99/115	-
26	LHG	k	620	24	-	14/41/41/53	-
34	IHT	c	615	-	-	10/25/65/65	0/2/2/2
33	II0	b	315	-	-	5/21/67/67	0/2/2/2
33	II0	f	616	-	-	5/21/67/67	0/2/2/2
24	CLA	K	102	-	1/1/10/20	5/10/88/115	-
33	II0	i	612	-	-	7/21/67/67	0/2/2/2
27	WVN	A	848	-	-	9/29/63/63	0/2/2/2
24	CLA	L	204	36	1/1/12/20	7/19/97/115	-
24	CLA	A	831	-	1/1/15/20	9/37/115/115	-
24	CLA	B	835	36	1/1/15/20	9/37/115/115	-
24	CLA	A	806	-	-	10/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	II0	j	315	-	-	5/21/67/67	0/2/2/2
24	CLA	b	312	15	1/1/15/20	20/37/115/115	-
27	WVN	J	102	-	-	8/29/63/63	0/2/2/2
33	II0	k	617	-	-	3/21/67/67	0/2/2/2
24	CLA	A	828	-	1/1/15/20	8/37/115/115	-
29	SF4	A	854	1,2	-	-	0/6/5/5
35	KC2	d	311	-	-	7/15/71/71	-
24	CLA	g	315	-	1/1/12/20	7/21/99/115	-
24	CLA	i	605	20	1/1/12/20	6/21/99/115	-
24	CLA	g	304	-	1/1/12/20	4/21/99/115	-
24	CLA	A	803	-	1/1/13/20	6/25/103/115	-
24	CLA	L	207	36	1/1/12/20	5/21/99/115	-
24	CLA	g	306	22	1/1/12/20	7/21/99/115	-
25	PQN	B	842	-	-	13/23/43/43	0/2/2/2
35	KC2	k	612	35	-	8/15/71/71	-
33	II0	i	613	-	-	4/21/67/67	0/2/2/2
24	CLA	e	608	26	1/1/11/20	10/15/93/115	-
24	CLA	c	609	26	1/1/11/20	4/13/91/115	-
24	CLA	c	602	13	1/1/12/20	11/19/97/115	-
24	CLA	A	812	-	1/1/15/20	22/37/115/115	-
33	II0	e	614	-	-	3/21/67/67	0/2/2/2
26	LHG	j	319	24	-	5/34/34/53	-
24	CLA	B	830	36	1/1/15/20	13/37/115/115	-
24	CLA	f	604	19	-	8/37/115/115	-
24	CLA	i	604	20	1/1/15/20	12/37/115/115	-
24	CLA	d	308	21	1/1/10/20	3/8/86/115	-
24	CLA	g	302	22	1/1/10/20	0/10/88/115	-
33	II0	J	104	-	-	7/21/67/67	0/2/2/2
27	WVN	J	101	-	-	8/29/63/63	0/2/2/2
24	CLA	A	815	36	1/1/11/20	7/13/91/115	-
35	KC2	j	312	19	-	5/15/71/71	-
28	LMT	A	851	-	-	9/21/61/61	0/2/2/2

All (3566) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	b	317	IHT	C15-C11	25.48	1.63	1.34
34	R	204	IHT	C15-C11	25.36	1.63	1.34
34	c	615	IHT	C15-C11	25.20	1.63	1.34
34	k	618	IHT	C15-C11	25.15	1.63	1.34
34	j	317	IHT	C15-C11	25.06	1.62	1.34
34	b	316	IHT	C15-C11	25.02	1.62	1.34
34	f	617	IHT	C15-C11	24.85	1.62	1.34
34	O	203	IHT	C15-C11	24.74	1.62	1.34
34	a	316	IHT	C15-C11	24.69	1.62	1.34
33	b	318	II0	C13-C09	24.54	1.62	1.34
34	g	319	IHT	C15-C11	24.43	1.62	1.34
33	c	616	II0	C14-C10	23.78	1.61	1.34
33	d	315	II0	C14-C10	23.72	1.61	1.34
33	c	614	II0	C13-C09	23.69	1.61	1.34
33	a	315	II0	C13-C09	23.64	1.61	1.34
33	b	314	II0	C14-C10	23.62	1.61	1.34
33	e	614	II0	C13-C09	23.58	1.61	1.34
33	a	317	II0	C14-C10	23.57	1.61	1.34
33	a	317	II0	C13-C09	23.50	1.61	1.34
33	c	614	II0	C14-C10	23.49	1.61	1.34
33	a	315	II0	C14-C10	23.48	1.61	1.34
33	k	621	II0	C14-C10	23.43	1.61	1.34
33	k	621	II0	C13-C09	23.35	1.60	1.34
33	k	616	II0	C13-C09	23.33	1.60	1.34
33	e	614	II0	C14-C10	23.24	1.60	1.34
33	c	613	II0	C14-C10	23.17	1.60	1.34
33	i	613	II0	C13-C09	23.15	1.60	1.34
33	h	311	II0	C13-C09	23.13	1.60	1.34
33	k	617	II0	C14-C10	23.11	1.60	1.34
33	d	313	II0	C13-C09	23.07	1.60	1.34
33	g	316	II0	C14-C10	23.07	1.60	1.34
33	e	616	II0	C14-C10	23.04	1.60	1.34
33	j	318	II0	C13-C09	22.99	1.60	1.34
33	O	202	II0	C14-C10	22.97	1.60	1.34
33	b	314	II0	C13-C09	22.96	1.60	1.34
33	e	612	II0	C14-C10	22.93	1.60	1.34
33	h	309	II0	C13-C09	22.92	1.60	1.34
33	d	313	II0	C14-C10	22.90	1.60	1.34
33	g	320	II0	C14-C10	22.86	1.60	1.34
33	d	314	II0	C13-C09	22.85	1.60	1.34
33	g	318	II0	C14-C10	22.82	1.60	1.34
33	d	315	II0	C13-C09	22.80	1.60	1.34
33	j	316	II0	C14-C10	22.75	1.60	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	e	616	II0	C13-C09	22.71	1.60	1.34
33	c	616	II0	C13-C09	22.71	1.60	1.34
33	i	613	II0	C14-C10	22.69	1.60	1.34
33	b	315	II0	C14-C10	22.69	1.60	1.34
33	i	614	II0	C14-C10	22.67	1.60	1.34
33	f	615	II0	C13-C09	22.66	1.60	1.34
33	a	314	II0	C14-C10	22.64	1.60	1.34
33	g	318	II0	C13-C09	22.61	1.60	1.34
33	i	614	II0	C13-C09	22.50	1.60	1.34
33	j	315	II0	C14-C10	22.50	1.60	1.34
33	k	619	II0	C13-C09	22.50	1.60	1.34
33	f	615	II0	C14-C10	22.45	1.59	1.34
33	g	316	II0	C13-C09	22.45	1.59	1.34
33	h	311	II0	C14-C10	22.43	1.59	1.34
33	f	618	II0	C13-C09	22.43	1.59	1.34
33	a	313	II0	C14-C10	22.42	1.59	1.34
33	c	613	II0	C13-C09	22.41	1.59	1.34
33	k	619	II0	C14-C10	22.40	1.59	1.34
33	k	615	II0	C14-C10	22.32	1.59	1.34
33	g	317	II0	C13-C09	22.32	1.59	1.34
33	k	617	II0	C13-C09	22.32	1.59	1.34
33	k	616	II0	C14-C10	22.32	1.59	1.34
33	i	612	II0	C13-C09	22.27	1.59	1.34
33	e	613	II0	C14-C10	22.27	1.59	1.34
33	a	314	II0	C13-C09	22.25	1.59	1.34
33	O	202	II0	C13-C09	22.23	1.59	1.34
33	a	313	II0	C13-C09	22.22	1.59	1.34
33	j	316	II0	C13-C09	22.20	1.59	1.34
33	g	320	II0	C13-C09	22.19	1.59	1.34
33	J	104	II0	C14-C10	22.17	1.59	1.34
33	e	613	II0	C13-C09	22.17	1.59	1.34
33	f	618	II0	C14-C10	22.16	1.59	1.34
33	g	317	II0	C14-C10	22.13	1.59	1.34
33	b	315	II0	C13-C09	22.12	1.59	1.34
33	f	614	II0	C13-C09	22.11	1.59	1.34
33	f	614	II0	C14-C10	22.01	1.59	1.34
33	d	314	II0	C14-C10	21.97	1.59	1.34
33	f	616	II0	C14-C10	21.95	1.59	1.34
33	k	615	II0	C13-C09	21.95	1.59	1.34
33	i	612	II0	C14-C10	21.94	1.59	1.34
33	J	104	II0	C13-C09	21.91	1.59	1.34
33	f	616	II0	C13-C09	21.82	1.59	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	j	318	II0	C14-C10	21.74	1.59	1.34
33	j	315	II0	C13-C09	21.72	1.59	1.34
33	e	612	II0	C13-C09	21.67	1.59	1.34
33	h	310	II0	C13-C09	21.60	1.59	1.34
33	h	310	II0	C14-C10	21.31	1.58	1.34
33	b	318	II0	C14-C10	21.11	1.58	1.34
34	b	317	IHT	C10-C07	15.04	1.60	1.34
34	b	316	IHT	C10-C07	14.97	1.60	1.34
34	R	204	IHT	C10-C07	14.97	1.60	1.34
34	c	615	IHT	C10-C07	14.90	1.60	1.34
34	O	203	IHT	C10-C07	14.82	1.60	1.34
34	a	316	IHT	C10-C07	14.81	1.60	1.34
34	k	618	IHT	C10-C07	14.80	1.60	1.34
34	g	319	IHT	C10-C07	14.65	1.59	1.34
34	f	617	IHT	C10-C07	14.56	1.59	1.34
34	j	317	IHT	C10-C07	14.46	1.59	1.34
33	J	104	II0	C05-C07	-11.83	1.35	1.52
33	k	616	II0	C05-C07	-11.79	1.35	1.52
33	h	310	II0	C05-C07	-11.78	1.35	1.52
33	k	617	II0	C05-C07	-11.70	1.35	1.52
33	f	614	II0	C05-C07	-11.61	1.35	1.52
34	R	204	IHT	C05-C08	-11.57	1.35	1.52
33	b	315	II0	C11-C07	11.56	1.72	1.52
34	f	617	IHT	C05-C08	-11.55	1.35	1.52
33	g	316	II0	C05-C07	-11.52	1.35	1.52
33	a	317	II0	C05-C07	-11.48	1.35	1.52
33	f	615	II0	C05-C07	-11.48	1.35	1.52
33	b	318	II0	C05-C07	-11.47	1.35	1.52
33	g	318	II0	C05-C07	-11.46	1.35	1.52
33	e	616	II0	C11-C07	11.44	1.72	1.52
33	g	320	II0	C05-C07	-11.43	1.35	1.52
33	f	616	II0	C05-C07	-11.42	1.35	1.52
33	c	616	II0	C05-C07	-11.41	1.35	1.52
33	h	311	II0	C05-C07	-11.40	1.35	1.52
33	a	315	II0	C05-C07	-11.40	1.35	1.52
33	g	317	II0	C06-C08	-11.38	1.35	1.52
33	d	313	II0	C05-C07	-11.38	1.35	1.52
33	c	613	II0	C05-C07	-11.36	1.36	1.52
33	e	613	II0	C05-C07	-11.36	1.36	1.52
34	g	319	IHT	C05-C08	-11.34	1.36	1.52
34	b	316	IHT	C05-C08	-11.34	1.36	1.52
33	i	613	II0	C05-C07	-11.30	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	O	203	IHT	C05-C08	-11.28	1.36	1.52
34	c	615	IHT	C05-C08	-11.27	1.36	1.52
34	k	618	IHT	C05-C08	-11.27	1.36	1.52
34	b	317	IHT	C05-C08	-11.24	1.36	1.52
33	e	614	II0	C05-C07	-11.23	1.36	1.52
33	O	202	II0	C05-C07	-11.22	1.36	1.52
33	j	315	II0	C05-C07	-11.20	1.36	1.52
33	h	309	II0	C05-C07	-11.18	1.36	1.52
33	g	317	II0	C11-C07	11.17	1.71	1.52
33	k	621	II0	C05-C07	-11.15	1.36	1.52
34	j	317	IHT	C12-C08	11.13	1.71	1.52
33	e	612	II0	C11-C07	11.12	1.71	1.52
33	a	314	II0	C05-C07	-11.12	1.36	1.52
33	c	614	II0	C05-C07	-11.11	1.36	1.52
34	j	317	IHT	C05-C08	-11.11	1.36	1.52
34	O	203	IHT	C12-C08	11.11	1.71	1.52
34	c	615	IHT	C12-C08	11.10	1.71	1.52
33	a	313	II0	C05-C07	-11.09	1.36	1.52
34	a	316	IHT	C12-C08	11.07	1.71	1.52
33	k	615	II0	C05-C07	-11.06	1.36	1.52
33	b	315	II0	C06-C08	-11.01	1.36	1.52
33	k	619	II0	C11-C07	11.00	1.71	1.52
33	j	316	II0	C05-C07	-10.98	1.36	1.52
33	b	315	II0	C05-C07	-10.96	1.36	1.52
33	b	314	II0	C05-C07	-10.95	1.36	1.52
33	f	618	II0	C11-C07	10.95	1.71	1.52
34	g	319	IHT	C12-C08	10.94	1.71	1.52
34	f	617	IHT	C12-C08	10.93	1.71	1.52
34	b	317	IHT	C12-C08	10.93	1.71	1.52
34	R	204	IHT	C12-C08	10.93	1.71	1.52
33	d	314	II0	C05-C07	-10.92	1.36	1.52
33	c	616	II0	C11-C07	10.90	1.71	1.52
34	b	316	IHT	C12-C08	10.90	1.71	1.52
34	a	316	IHT	C05-C08	-10.89	1.36	1.52
33	j	318	II0	C05-C07	-10.88	1.36	1.52
33	j	316	II0	C06-C08	-10.86	1.36	1.52
33	i	612	II0	C05-C07	-10.85	1.36	1.52
33	h	311	II0	C06-C08	-10.84	1.36	1.52
33	k	617	II0	C11-C07	10.82	1.71	1.52
34	k	618	IHT	C12-C08	10.80	1.71	1.52
33	k	621	II0	C11-C07	10.79	1.71	1.52
33	g	320	II0	C06-C08	-10.78	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	d	315	II0	C11-C07	10.75	1.71	1.52
33	e	612	II0	C05-C07	-10.74	1.36	1.52
33	g	320	II0	C11-C07	10.74	1.70	1.52
33	b	314	II0	C11-C07	10.73	1.70	1.52
33	c	614	II0	C06-C08	-10.70	1.36	1.52
33	b	318	II0	C11-C07	10.70	1.70	1.52
33	k	616	II0	C06-C08	-10.68	1.36	1.52
33	g	318	II0	C11-C07	10.68	1.70	1.52
33	d	314	II0	C11-C07	10.67	1.70	1.52
33	h	310	II0	C06-C08	-10.67	1.37	1.52
33	g	317	II0	C05-C07	-10.65	1.37	1.52
33	j	315	II0	C11-C07	10.65	1.70	1.52
33	j	318	II0	C11-C07	10.65	1.70	1.52
33	O	202	II0	C06-C08	-10.64	1.37	1.52
33	k	619	II0	C05-C07	-10.64	1.37	1.52
33	f	616	II0	C11-C07	10.63	1.70	1.52
33	i	612	II0	C06-C08	-10.60	1.37	1.52
33	g	316	II0	C11-C07	10.57	1.70	1.52
33	f	615	II0	C06-C08	-10.57	1.37	1.52
33	d	313	II0	C11-C07	10.56	1.70	1.52
33	i	614	II0	C11-C07	10.55	1.70	1.52
33	e	614	II0	C11-C07	10.53	1.70	1.52
33	d	315	II0	C05-C07	-10.52	1.37	1.52
33	k	615	II0	C11-C07	10.51	1.70	1.52
33	e	616	II0	C05-C07	-10.51	1.37	1.52
33	f	614	II0	C06-C08	-10.50	1.37	1.52
33	g	316	II0	C06-C08	-10.49	1.37	1.52
33	h	310	II0	C11-C07	10.48	1.70	1.52
33	h	311	II0	C11-C07	10.46	1.70	1.52
33	J	104	II0	C06-C08	-10.44	1.37	1.52
33	i	614	II0	C05-C07	-10.44	1.37	1.52
33	e	612	II0	C06-C08	-10.42	1.37	1.52
33	f	618	II0	C06-C08	-10.41	1.37	1.52
33	b	314	II0	C06-C08	-10.41	1.37	1.52
33	a	317	II0	C11-C07	10.40	1.70	1.52
33	k	615	II0	C06-C08	-10.39	1.37	1.52
33	h	309	II0	C11-C07	10.39	1.70	1.52
33	d	313	II0	C06-C08	-10.38	1.37	1.52
33	a	314	II0	C06-C08	-10.36	1.37	1.52
33	i	613	II0	C11-C07	10.32	1.70	1.52
33	i	612	II0	C11-C07	10.32	1.70	1.52
33	f	618	II0	C05-C07	-10.31	1.37	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	313	II0	C11-C07	10.30	1.70	1.52
33	O	202	II0	C11-C07	10.29	1.70	1.52
33	f	614	II0	C11-C07	10.29	1.70	1.52
33	c	614	II0	C11-C07	10.29	1.70	1.52
33	a	315	II0	C11-C07	10.25	1.70	1.52
33	d	315	II0	C06-C08	-10.25	1.37	1.52
33	k	621	II0	C06-C08	-10.24	1.37	1.52
33	i	613	II0	C06-C08	-10.24	1.37	1.52
33	c	613	II0	C11-C07	10.19	1.70	1.52
33	k	616	II0	C11-C07	10.18	1.70	1.52
33	j	315	II0	C06-C08	-10.14	1.37	1.52
33	c	613	II0	C06-C08	-10.11	1.37	1.52
33	J	104	II0	C11-C07	10.09	1.69	1.52
33	e	613	II0	C06-C08	-10.08	1.37	1.52
33	b	318	II0	C06-C08	-10.08	1.37	1.52
33	e	613	II0	C11-C07	10.06	1.69	1.52
33	a	314	II0	C11-C07	10.06	1.69	1.52
33	j	316	II0	C11-C07	10.02	1.69	1.52
33	k	617	II0	C06-C08	-9.99	1.37	1.52
33	e	614	II0	C06-C08	-9.96	1.38	1.52
33	a	315	II0	C06-C08	-9.94	1.38	1.52
33	a	313	II0	C06-C08	-9.92	1.38	1.52
33	c	616	II0	C06-C08	-9.85	1.38	1.52
33	a	317	II0	C06-C08	-9.83	1.38	1.52
33	g	318	II0	C06-C08	-9.79	1.38	1.52
33	k	619	II0	C06-C08	-9.79	1.38	1.52
33	f	615	II0	C11-C07	9.71	1.69	1.52
33	e	616	II0	C06-C08	-9.65	1.38	1.52
33	d	314	II0	C06-C08	-9.57	1.38	1.52
33	i	614	II0	C06-C08	-9.57	1.38	1.52
33	j	318	II0	C06-C08	-9.52	1.38	1.52
33	f	616	II0	C06-C08	-9.34	1.38	1.52
33	f	616	II0	C12-C08	9.05	1.68	1.52
33	d	314	II0	C12-C08	8.91	1.67	1.52
33	c	613	II0	C12-C08	8.87	1.67	1.52
33	i	614	II0	C12-C08	8.79	1.67	1.52
33	j	318	II0	C12-C08	8.76	1.67	1.52
33	k	617	II0	C12-C08	8.75	1.67	1.52
33	b	318	II0	C12-C08	8.66	1.67	1.52
35	g	312	KC2	C4D-ND	8.65	1.42	1.35
33	e	614	II0	C12-C08	8.63	1.67	1.52
33	f	614	II0	C12-C08	8.61	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	k	621	II0	C12-C08	8.58	1.67	1.52
33	a	315	II0	C12-C08	8.57	1.67	1.52
33	c	614	II0	C12-C08	8.55	1.67	1.52
33	c	616	II0	C12-C08	8.53	1.67	1.52
33	a	317	II0	C12-C08	8.52	1.67	1.52
24	c	606	CLA	C4B-NB	8.51	1.42	1.35
24	k	607	CLA	C4B-NB	8.46	1.42	1.35
33	k	615	II0	C12-C08	8.42	1.66	1.52
33	d	315	II0	C12-C08	8.41	1.66	1.52
33	g	316	II0	C12-C08	8.41	1.66	1.52
33	g	318	II0	C12-C08	8.41	1.66	1.52
33	i	613	II0	C12-C08	8.41	1.66	1.52
24	j	313	CLA	C4B-NB	8.40	1.42	1.35
33	k	616	II0	C12-C08	8.37	1.66	1.52
33	f	615	II0	C12-C08	8.36	1.66	1.52
33	e	613	II0	C12-C08	8.36	1.66	1.52
33	e	616	II0	C12-C08	8.30	1.66	1.52
33	J	104	II0	C12-C08	8.29	1.66	1.52
33	j	316	II0	C12-C08	8.28	1.66	1.52
24	b	310	CLA	C4B-NB	8.27	1.42	1.35
33	f	618	II0	C12-C08	8.27	1.66	1.52
33	b	314	II0	C12-C08	8.26	1.66	1.52
33	k	619	II0	C12-C08	8.25	1.66	1.52
33	j	315	II0	C12-C08	8.24	1.66	1.52
33	i	612	II0	C12-C08	8.23	1.66	1.52
33	a	314	II0	C12-C08	8.18	1.66	1.52
33	g	320	II0	C12-C08	8.17	1.66	1.52
24	b	309	CLA	C4B-NB	8.16	1.42	1.35
33	d	313	II0	C12-C08	8.15	1.66	1.52
33	e	612	II0	C12-C08	8.14	1.66	1.52
33	a	313	II0	C12-C08	8.13	1.66	1.52
35	d	311	KC2	C4C-NC	8.11	1.49	1.37
24	B	829	CLA	C4B-NB	8.10	1.42	1.35
24	A	855	CLA	C4B-NB	8.09	1.42	1.35
24	i	605	CLA	C4B-NB	8.06	1.42	1.35
24	i	610	CLA	C4B-NB	8.06	1.42	1.35
33	O	202	II0	C12-C08	8.06	1.66	1.52
24	j	307	CLA	C4B-NB	8.05	1.42	1.35
24	A	811	CLA	C4B-NB	7.99	1.42	1.35
24	a	312	CLA	C4B-NB	7.96	1.42	1.35
35	j	312	KC2	C4D-ND	7.95	1.42	1.35
35	g	314	KC2	C4D-ND	7.94	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	k	612	KC2	C4C-NC	7.93	1.49	1.37
33	h	311	II0	C12-C08	7.89	1.66	1.52
35	i	609	KC2	C4C-NC	7.89	1.49	1.37
35	k	613	KC2	C4D-ND	7.89	1.42	1.35
33	g	317	II0	C12-C08	7.84	1.65	1.52
24	f	612	CLA	C4B-NB	7.84	1.42	1.35
24	c	609	CLA	C4B-NB	7.83	1.42	1.35
24	b	312	CLA	C4B-NB	7.81	1.42	1.35
24	d	309	CLA	C4B-NB	7.80	1.42	1.35
35	d	310	KC2	C4D-ND	7.80	1.42	1.35
24	e	605	CLA	C4B-NB	7.79	1.42	1.35
24	k	603	CLA	C4B-NB	7.79	1.42	1.35
24	k	608	CLA	C4B-NB	7.78	1.42	1.35
24	d	301	CLA	C4B-NB	7.78	1.42	1.35
35	i	616	KC2	C4C-NC	7.77	1.49	1.37
24	b	306	CLA	C4B-NB	7.76	1.42	1.35
24	k	614	CLA	C4B-NB	7.75	1.42	1.35
24	b	313	CLA	C4B-NB	7.75	1.42	1.35
24	k	601	CLA	C4B-NB	7.75	1.42	1.35
24	d	302	CLA	C4B-NB	7.72	1.42	1.35
33	h	310	II0	C12-C08	7.72	1.65	1.52
24	B	808	CLA	C4B-NB	7.71	1.42	1.35
24	k	606	CLA	C4B-NB	7.71	1.42	1.35
24	A	829	CLA	C4B-NB	7.70	1.42	1.35
24	f	613	CLA	C4B-NB	7.69	1.42	1.35
24	c	604	CLA	C4B-NB	7.67	1.42	1.35
24	i	608	CLA	C4B-NB	7.66	1.42	1.35
33	b	315	II0	C12-C08	7.63	1.65	1.52
24	L	202	CLA	C4B-NB	7.63	1.42	1.35
35	d	310	KC2	C4C-NC	7.63	1.49	1.37
35	e	609	KC2	C4C-NC	7.63	1.49	1.37
24	k	604	CLA	C4B-NB	7.63	1.42	1.35
24	e	603	CLA	C4B-NB	7.62	1.42	1.35
24	i	611	CLA	C4B-NB	7.62	1.42	1.35
24	j	302	CLA	C4B-NB	7.62	1.42	1.35
35	c	610	KC2	C4D-ND	7.60	1.42	1.35
24	F	201	CLA	C4B-NB	7.59	1.42	1.35
35	d	311	KC2	C4D-ND	7.59	1.42	1.35
24	A	806	CLA	C4B-NB	7.59	1.42	1.35
35	i	609	KC2	C4D-ND	7.59	1.42	1.35
24	i	603	CLA	C4B-NB	7.58	1.42	1.35
24	c	607	CLA	C4B-NB	7.57	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	i	606	CLA	C4B-NB	7.55	1.41	1.35
24	a	309	CLA	C4B-NB	7.55	1.41	1.35
24	d	308	CLA	C4B-NB	7.54	1.41	1.35
24	c	601	CLA	C4B-NB	7.54	1.41	1.35
24	A	813	CLA	C4B-NB	7.54	1.41	1.35
24	e	611	CLA	C4B-NB	7.54	1.41	1.35
35	f	611	KC2	C4C-NC	7.53	1.49	1.37
25	A	843	PQN	C3-C2	7.53	1.49	1.35
35	c	610	KC2	C4C-NC	7.52	1.49	1.37
24	i	601	CLA	C4B-NB	7.51	1.41	1.35
35	f	611	KC2	C4D-ND	7.51	1.41	1.35
24	f	606	CLA	C4B-NB	7.50	1.41	1.35
24	d	312	CLA	C4B-NB	7.50	1.41	1.35
24	A	856	CLA	C4B-NB	7.50	1.41	1.35
35	e	609	KC2	C4D-ND	7.50	1.41	1.35
24	d	303	CLA	C4B-NB	7.49	1.41	1.35
24	b	308	CLA	C4B-NB	7.47	1.41	1.35
33	k	617	II0	C23-C25	7.47	1.56	1.42
24	a	310	CLA	C4B-NB	7.46	1.41	1.35
24	k	602	CLA	C4B-NB	7.45	1.41	1.35
35	g	312	KC2	C4C-NC	7.44	1.48	1.37
24	c	605	CLA	C4B-NB	7.44	1.41	1.35
35	k	611	KC2	C4C-NC	7.42	1.48	1.37
33	k	617	II0	C21-C09	7.41	1.58	1.42
24	k	609	CLA	C4B-NB	7.40	1.41	1.35
35	k	611	KC2	C4D-ND	7.40	1.41	1.35
24	L	207	CLA	C4B-NB	7.40	1.41	1.35
24	A	810	CLA	C4B-NB	7.39	1.41	1.35
24	B	811	CLA	C4B-NB	7.39	1.41	1.35
24	h	301	CLA	C4B-NB	7.39	1.41	1.35
35	g	314	KC2	C4C-NC	7.39	1.48	1.37
24	e	601	CLA	C4B-NB	7.39	1.41	1.35
24	O	205	CLA	C4B-NB	7.38	1.41	1.35
35	i	616	KC2	C4D-ND	7.38	1.41	1.35
24	j	306	CLA	C4B-NB	7.37	1.41	1.35
24	A	801	CLA	C4B-NB	7.36	1.41	1.35
24	i	602	CLA	C4B-NB	7.36	1.41	1.35
24	b	307	CLA	C4B-NB	7.35	1.41	1.35
24	k	610	CLA	C4B-NB	7.35	1.41	1.35
24	j	311	CLA	C4B-NB	7.35	1.41	1.35
35	j	312	KC2	C4C-NC	7.35	1.48	1.37
24	h	312	CLA	C4B-NB	7.34	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	c	611	CLA	C4B-NB	7.34	1.41	1.35
24	a	307	CLA	C4B-NB	7.33	1.41	1.35
24	f	610	CLA	C4B-NB	7.33	1.41	1.35
24	B	839	CLA	C4B-NB	7.33	1.41	1.35
24	c	602	CLA	C4B-NB	7.33	1.41	1.35
24	d	307	CLA	C4B-NB	7.32	1.41	1.35
24	b	304	CLA	C4B-NB	7.30	1.41	1.35
24	j	314	CLA	C4B-NB	7.30	1.41	1.35
25	B	842	PQN	C3-C2	7.29	1.48	1.35
24	A	835	CLA	C4B-NB	7.29	1.41	1.35
24	j	304	CLA	C4B-NB	7.28	1.41	1.35
24	A	817	CLA	C4B-NB	7.27	1.41	1.35
24	I	102	CLA	C4B-NB	7.27	1.41	1.35
24	j	310	CLA	C4B-NB	7.27	1.41	1.35
24	h	306	CLA	C4B-NB	7.27	1.41	1.35
24	d	306	CLA	C4B-NB	7.26	1.41	1.35
35	g	313	KC2	C4C-NC	7.26	1.48	1.37
24	e	608	CLA	C4B-NB	7.25	1.41	1.35
24	i	607	CLA	C4B-NB	7.25	1.41	1.35
33	k	619	II0	C23-C25	7.25	1.56	1.42
24	g	306	CLA	C4B-NB	7.25	1.41	1.35
24	B	814	CLA	C4B-NB	7.24	1.41	1.35
24	f	603	CLA	C4B-NB	7.24	1.41	1.35
24	f	609	CLA	C4B-NB	7.24	1.41	1.35
33	i	614	II0	C23-C25	7.22	1.56	1.42
33	d	315	II0	C23-C25	7.22	1.56	1.42
24	F	202	CLA	C4B-NB	7.21	1.41	1.35
33	i	614	II0	C21-C09	7.21	1.57	1.42
24	B	820	CLA	C4B-NB	7.20	1.41	1.35
24	a	306	CLA	C4B-NB	7.17	1.41	1.35
35	k	613	KC2	C4C-NC	7.16	1.48	1.37
33	a	315	II0	C21-C09	7.15	1.57	1.42
24	B	815	CLA	C4B-NB	7.15	1.41	1.35
33	e	613	II0	C24-C26	7.14	1.56	1.42
33	f	618	II0	C24-C26	7.14	1.56	1.42
24	c	612	CLA	C4B-NB	7.13	1.41	1.35
33	a	317	II0	C22-C10	7.13	1.57	1.42
24	h	307	CLA	C4B-NB	7.12	1.41	1.35
24	j	305	CLA	C4B-NB	7.12	1.41	1.35
33	a	317	II0	C24-C26	7.12	1.56	1.42
24	g	311	CLA	C4B-NB	7.12	1.41	1.35
24	B	840	CLA	C4B-NB	7.11	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	j	303	CLA	C4B-NB	7.11	1.41	1.35
24	f	601	CLA	C4B-NB	7.10	1.41	1.35
24	j	308	CLA	C4B-NB	7.10	1.41	1.35
33	g	318	II0	C23-C25	7.09	1.56	1.42
24	e	604	CLA	C4B-NB	7.09	1.41	1.35
24	A	830	CLA	C4B-NB	7.09	1.41	1.35
24	g	310	CLA	C4B-NB	7.08	1.41	1.35
24	f	608	CLA	C4B-NB	7.07	1.41	1.35
33	a	315	II0	C23-C25	7.07	1.56	1.42
24	A	802	CLA	C4B-NB	7.07	1.41	1.35
33	e	616	II0	C22-C10	7.07	1.57	1.42
24	K	101	CLA	C4B-NB	7.07	1.41	1.35
24	A	814	CLA	C4B-NB	7.07	1.41	1.35
24	A	827	CLA	C4B-NB	7.06	1.41	1.35
24	B	837	CLA	C4B-NB	7.05	1.41	1.35
33	b	318	II0	C21-C09	7.05	1.57	1.42
33	a	317	II0	C23-C25	7.03	1.56	1.42
24	j	309	CLA	C4B-NB	7.03	1.41	1.35
24	d	304	CLA	C4B-NB	7.03	1.41	1.35
33	b	318	II0	C23-C25	7.02	1.56	1.42
24	b	311	CLA	C4B-NB	7.01	1.41	1.35
24	B	810	CLA	C4B-NB	7.00	1.41	1.35
33	d	315	II0	C24-C26	7.00	1.56	1.42
24	g	315	CLA	C4B-NB	7.00	1.41	1.35
33	d	315	II0	C22-C10	7.00	1.57	1.42
33	k	621	II0	C23-C25	6.99	1.56	1.42
24	B	817	CLA	C4B-NB	6.98	1.41	1.35
24	A	823	CLA	C4B-NB	6.97	1.41	1.35
24	O	201	CLA	C4B-NB	6.95	1.41	1.35
34	b	316	IHT	C04-C06	-6.94	1.35	1.52
33	d	314	II0	C23-C25	6.94	1.55	1.42
33	a	317	II0	C21-C09	6.94	1.57	1.42
33	c	616	II0	C22-C10	6.94	1.57	1.42
33	d	313	II0	C23-C25	6.93	1.55	1.42
33	k	617	II0	C22-C10	6.93	1.57	1.42
24	B	801	CLA	C4B-NB	6.93	1.41	1.35
24	A	818	CLA	C4B-NB	6.92	1.41	1.35
24	g	303	CLA	C4B-NB	6.91	1.41	1.35
24	A	822	CLA	C4B-NB	6.91	1.41	1.35
24	B	818	CLA	C4B-NB	6.91	1.41	1.35
24	h	305	CLA	C4B-NB	6.91	1.41	1.35
33	g	316	II0	C23-C25	6.91	1.55	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	a	305	CLA	C4B-NB	6.91	1.41	1.35
24	g	322	CLA	C4B-NB	6.91	1.41	1.35
24	b	305	CLA	C4B-NB	6.90	1.41	1.35
24	e	610	CLA	C4B-NB	6.90	1.41	1.35
34	a	316	IHT	C04-C06	-6.90	1.35	1.52
24	A	821	CLA	C4B-NB	6.90	1.41	1.35
33	O	202	II0	C24-C26	6.90	1.55	1.42
24	B	834	CLA	C4B-NB	6.90	1.41	1.35
33	e	614	II0	C21-C09	6.89	1.56	1.42
33	a	315	II0	C22-C10	6.89	1.56	1.42
24	A	841	CLA	C4B-NB	6.88	1.41	1.35
33	e	616	II0	C24-C26	6.88	1.55	1.42
24	g	308	CLA	C4B-NB	6.88	1.41	1.35
33	e	613	II0	C22-C10	6.88	1.56	1.42
34	f	617	IHT	C04-C06	-6.88	1.35	1.52
34	k	618	IHT	C04-C06	-6.87	1.35	1.52
33	a	313	II0	C24-C26	6.87	1.55	1.42
24	A	809	CLA	C4B-NB	6.87	1.41	1.35
24	B	822	CLA	C4B-NB	6.87	1.41	1.35
24	B	838	CLA	C4B-NB	6.87	1.41	1.35
24	J	105	CLA	C4B-NB	6.87	1.41	1.35
34	R	204	IHT	C04-C06	-6.87	1.35	1.52
24	B	813	CLA	C4B-NB	6.86	1.41	1.35
33	g	318	II0	C21-C09	6.86	1.56	1.42
33	k	615	II0	C22-C10	6.86	1.56	1.42
24	a	304	CLA	C4B-NB	6.85	1.41	1.35
33	k	615	II0	C24-C26	6.85	1.55	1.42
34	b	317	IHT	C04-C06	-6.85	1.35	1.52
33	a	315	II0	C24-C26	6.85	1.55	1.42
33	k	617	II0	C24-C26	6.85	1.55	1.42
24	B	827	CLA	C4B-NB	6.84	1.41	1.35
24	f	607	CLA	C4B-NB	6.84	1.41	1.35
24	B	836	CLA	C4B-NB	6.84	1.41	1.35
24	e	607	CLA	C4B-NB	6.84	1.41	1.35
33	b	314	II0	C24-C26	6.83	1.55	1.42
33	c	616	II0	C23-C25	6.83	1.55	1.42
24	B	816	CLA	C4B-NB	6.83	1.41	1.35
33	k	616	II0	C22-C10	6.82	1.56	1.42
34	g	319	IHT	C04-C06	-6.82	1.35	1.52
33	k	619	II0	C22-C10	6.82	1.56	1.42
24	B	831	CLA	C4B-NB	6.82	1.41	1.35
24	g	309	CLA	C4B-NB	6.81	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	k	621	II0	C21-C09	6.81	1.56	1.42
24	g	305	CLA	C4B-NB	6.80	1.41	1.35
24	g	307	CLA	C4B-NB	6.80	1.41	1.35
33	i	613	II0	C23-C25	6.79	1.55	1.42
24	c	608	CLA	C4B-NB	6.79	1.41	1.35
34	O	203	IHT	C04-C06	-6.79	1.35	1.52
33	b	315	II0	C23-C25	6.78	1.55	1.42
24	B	833	CLA	C4B-NB	6.78	1.41	1.35
33	g	316	II0	C21-C09	6.78	1.56	1.42
33	g	320	II0	C23-C25	6.78	1.55	1.42
24	f	605	CLA	C4B-NB	6.78	1.41	1.35
34	c	615	IHT	C04-C06	-6.78	1.35	1.52
24	a	302	CLA	C4B-NB	6.78	1.41	1.35
24	a	303	CLA	C4B-NB	6.77	1.41	1.35
33	j	315	II0	C23-C25	6.77	1.55	1.42
33	b	314	II0	C22-C10	6.77	1.56	1.42
33	e	614	II0	C24-C26	6.76	1.55	1.42
24	A	824	CLA	C4B-NB	6.76	1.41	1.35
33	j	318	II0	C23-C25	6.75	1.55	1.42
24	A	828	CLA	C4B-NB	6.75	1.41	1.35
24	f	602	CLA	C4B-NB	6.75	1.41	1.35
33	a	313	II0	C23-C25	6.74	1.55	1.42
24	g	302	CLA	C4B-NB	6.74	1.41	1.35
24	c	603	CLA	C4B-NB	6.74	1.41	1.35
33	a	314	II0	C23-C25	6.74	1.55	1.42
33	f	618	II0	C22-C10	6.73	1.56	1.42
34	j	317	IHT	C04-C06	-6.73	1.35	1.52
24	B	803	CLA	C4B-NB	6.73	1.41	1.35
24	e	602	CLA	C4B-NB	6.73	1.41	1.35
33	c	614	II0	C21-C09	6.72	1.56	1.42
33	h	309	II0	C21-C09	6.72	1.56	1.42
24	L	203	CLA	C4B-NB	6.71	1.41	1.35
24	h	303	CLA	C4B-NB	6.71	1.41	1.35
33	h	309	II0	C23-C25	6.71	1.55	1.42
33	f	614	II0	C24-C26	6.71	1.55	1.42
33	e	614	II0	C22-C10	6.71	1.56	1.42
33	k	621	II0	C22-C10	6.70	1.56	1.42
33	d	314	II0	C21-C09	6.70	1.56	1.42
24	A	840	CLA	C4B-NB	6.70	1.41	1.35
33	d	313	II0	C21-C09	6.69	1.56	1.42
33	a	313	II0	C21-C09	6.69	1.56	1.42
33	f	616	II0	C23-C25	6.69	1.55	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	i	604	CLA	C4B-NB	6.69	1.41	1.35
24	A	839	CLA	C4B-NB	6.69	1.41	1.35
24	B	826	CLA	C4B-NB	6.67	1.41	1.35
24	g	304	CLA	C4B-NB	6.67	1.41	1.35
24	A	807	CLA	C4B-NB	6.67	1.41	1.35
33	d	315	II0	C21-C09	6.66	1.56	1.42
33	c	616	II0	C21-C09	6.66	1.56	1.42
34	b	317	IHT	C24-C26	6.66	1.55	1.42
24	B	841	CLA	C4B-NB	6.66	1.41	1.35
24	a	311	CLA	C4B-NB	6.66	1.41	1.35
33	c	613	II0	C22-C10	6.65	1.56	1.42
33	k	619	II0	C21-C09	6.64	1.56	1.42
33	i	613	II0	C22-C10	6.64	1.56	1.42
33	i	612	II0	C23-C25	6.64	1.55	1.42
24	B	821	CLA	C4B-NB	6.63	1.41	1.35
33	e	614	II0	C23-C25	6.63	1.55	1.42
33	c	616	II0	C24-C26	6.63	1.55	1.42
33	c	613	II0	C24-C26	6.63	1.55	1.42
33	O	202	II0	C23-C25	6.63	1.55	1.42
33	k	621	II0	C24-C26	6.63	1.55	1.42
24	e	606	CLA	C4B-NB	6.62	1.41	1.35
24	B	809	CLA	C4B-NB	6.62	1.41	1.35
33	e	612	II0	C24-C26	6.61	1.55	1.42
24	A	820	CLA	C4B-NB	6.61	1.41	1.35
24	f	604	CLA	C4B-NB	6.61	1.41	1.35
33	g	316	II0	C24-C26	6.61	1.55	1.42
24	A	819	CLA	C4B-NB	6.61	1.41	1.35
24	A	816	CLA	C4B-NB	6.60	1.41	1.35
24	R	203	CLA	C4B-NB	6.60	1.41	1.35
33	c	614	II0	C22-C10	6.60	1.56	1.42
24	B	830	CLA	C4B-NB	6.59	1.41	1.35
33	f	616	II0	C22-C10	6.59	1.56	1.42
33	e	616	II0	C23-C25	6.59	1.55	1.42
33	g	316	II0	C22-C10	6.59	1.56	1.42
33	f	614	II0	C21-C09	6.59	1.56	1.42
33	e	612	II0	C22-C10	6.58	1.56	1.42
33	k	616	II0	C24-C26	6.57	1.55	1.42
24	A	853	CLA	C4B-NB	6.57	1.41	1.35
24	B	823	CLA	C4B-NB	6.57	1.41	1.35
24	k	605	CLA	C4B-NB	6.56	1.41	1.35
33	j	318	II0	C24-C26	6.56	1.55	1.42
33	e	612	II0	C21-C09	6.55	1.56	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	A	852	CLA	C4B-NB	6.55	1.41	1.35
33	g	320	II0	C24-C26	6.55	1.55	1.42
33	f	615	II0	C23-C25	6.55	1.55	1.42
33	d	313	II0	C22-C10	6.55	1.56	1.42
24	B	825	CLA	C4B-NB	6.54	1.41	1.35
24	B	804	CLA	C4B-NB	6.54	1.41	1.35
33	g	317	II0	C23-C25	6.54	1.55	1.42
24	h	304	CLA	C4B-NB	6.54	1.41	1.35
33	i	612	II0	C22-C10	6.53	1.56	1.42
33	j	318	II0	C21-C09	6.53	1.56	1.42
24	b	303	CLA	C4B-NB	6.53	1.41	1.35
33	g	320	II0	C21-C09	6.52	1.56	1.42
34	a	316	IHT	C24-C26	6.52	1.55	1.42
34	j	317	IHT	C24-C26	6.52	1.55	1.42
33	O	202	II0	C22-C10	6.51	1.56	1.42
33	f	616	II0	C21-C09	6.51	1.56	1.42
24	B	812	CLA	C4B-NB	6.51	1.41	1.35
34	O	203	IHT	C24-C26	6.50	1.55	1.42
34	c	615	IHT	C24-C26	6.50	1.55	1.42
33	i	612	II0	C21-C09	6.50	1.56	1.42
24	A	803	CLA	C4B-NB	6.50	1.41	1.35
33	f	614	II0	C22-C10	6.49	1.56	1.42
24	h	302	CLA	C4B-NB	6.49	1.41	1.35
34	k	618	IHT	C24-C26	6.49	1.55	1.42
34	j	317	IHT	C02-C07	-6.48	1.44	1.53
24	A	812	CLA	C4B-NB	6.48	1.41	1.35
33	a	313	II0	C22-C10	6.48	1.56	1.42
33	b	314	II0	C23-C25	6.48	1.55	1.42
33	i	613	II0	C24-C26	6.48	1.55	1.42
33	i	612	II0	C24-C26	6.47	1.55	1.42
24	L	204	CLA	C4B-NB	6.47	1.41	1.35
24	B	835	CLA	C4B-NB	6.47	1.41	1.35
33	e	613	II0	C23-C25	6.47	1.55	1.42
33	c	614	II0	C24-C26	6.46	1.55	1.42
33	f	616	II0	C24-C26	6.46	1.55	1.42
33	j	318	II0	C22-C10	6.45	1.56	1.42
33	c	614	II0	C23-C25	6.45	1.55	1.42
33	g	320	II0	C22-C10	6.45	1.56	1.42
34	b	316	IHT	C24-C26	6.45	1.54	1.42
34	b	317	IHT	C21-C11	6.44	1.56	1.42
24	a	308	CLA	C4B-NB	6.44	1.41	1.35
33	a	314	II0	C22-C10	6.44	1.55	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	k	619	II0	C24-C26	6.43	1.54	1.42
33	e	612	II0	C23-C25	6.43	1.54	1.42
24	A	804	CLA	C4B-NB	6.43	1.40	1.35
24	A	815	CLA	C4B-NB	6.42	1.40	1.35
33	k	616	II0	C23-C25	6.41	1.54	1.42
24	B	828	CLA	C4B-NB	6.40	1.40	1.35
33	f	614	II0	C23-C25	6.39	1.54	1.42
33	b	315	II0	C21-C09	6.38	1.55	1.42
33	e	613	II0	C21-C09	6.38	1.55	1.42
35	g	313	KC2	C4D-ND	6.37	1.40	1.35
33	f	618	II0	C21-C09	6.36	1.55	1.42
33	g	318	II0	C22-C10	6.36	1.55	1.42
33	f	615	II0	C21-C09	6.36	1.55	1.42
24	B	819	CLA	C4B-NB	6.36	1.40	1.35
33	i	614	II0	C22-C10	6.35	1.55	1.42
33	O	202	II0	C21-C09	6.34	1.55	1.42
33	g	317	II0	C22-C10	6.34	1.55	1.42
33	j	316	II0	C22-C10	6.33	1.55	1.42
24	K	102	CLA	C4B-NB	6.32	1.40	1.35
33	b	314	II0	C21-C09	6.32	1.55	1.42
33	c	613	II0	C23-C25	6.31	1.54	1.42
34	g	319	IHT	C02-C07	-6.31	1.45	1.53
34	R	204	IHT	C24-C26	6.30	1.54	1.42
34	O	203	IHT	C02-C07	-6.30	1.45	1.53
24	A	831	CLA	C4B-NB	6.29	1.40	1.35
33	h	311	II0	C22-C10	6.29	1.55	1.42
33	h	311	II0	C23-C25	6.28	1.54	1.42
33	j	315	II0	C21-C09	6.27	1.55	1.42
34	a	316	IHT	C02-C07	-6.27	1.45	1.53
33	a	314	II0	C24-C26	6.26	1.54	1.42
34	k	618	IHT	C21-C11	6.26	1.55	1.42
34	j	317	IHT	C21-C11	6.26	1.55	1.42
33	j	316	II0	C23-C25	6.25	1.54	1.42
33	f	618	II0	C23-C25	6.25	1.54	1.42
24	B	832	CLA	C4B-NB	6.24	1.40	1.35
33	h	310	II0	C21-C09	6.24	1.55	1.42
34	a	316	IHT	C21-C11	6.23	1.55	1.42
34	c	615	IHT	C21-C11	6.23	1.55	1.42
33	i	614	II0	C24-C26	6.22	1.54	1.42
33	i	613	II0	C21-C09	6.22	1.55	1.42
33	h	310	II0	C22-C10	6.21	1.55	1.42
24	B	806	CLA	C4B-NB	6.21	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	g	318	II0	C24-C26	6.21	1.54	1.42
33	k	616	II0	C21-C09	6.20	1.55	1.42
33	f	615	II0	C22-C10	6.20	1.55	1.42
34	O	203	IHT	C21-C11	6.20	1.55	1.42
24	A	808	CLA	C4B-NB	6.20	1.40	1.35
33	d	313	II0	C24-C26	6.19	1.54	1.42
33	h	310	II0	C23-C25	6.19	1.54	1.42
33	d	314	II0	C22-C10	6.18	1.55	1.42
34	f	617	IHT	C24-C26	6.17	1.54	1.42
33	b	318	II0	C22-C10	6.16	1.55	1.42
24	A	842	CLA	C4B-NB	6.16	1.40	1.35
34	f	617	IHT	C02-C07	-6.15	1.45	1.53
33	g	317	II0	C24-C26	6.14	1.54	1.42
34	b	316	IHT	C21-C11	6.14	1.55	1.42
24	A	833	CLA	C4B-NB	6.13	1.40	1.35
24	B	824	CLA	C4B-NB	6.13	1.40	1.35
33	J	104	II0	C21-C09	6.12	1.55	1.42
33	a	314	II0	C21-C09	6.11	1.55	1.42
33	h	310	II0	C24-C26	6.10	1.54	1.42
33	h	311	II0	C21-C09	6.10	1.55	1.42
33	c	613	II0	C21-C09	6.10	1.55	1.42
33	J	104	II0	C22-C10	6.10	1.55	1.42
33	j	316	II0	C21-C09	6.09	1.55	1.42
33	a	314	II0	C11-C13	-6.08	1.41	1.51
33	e	616	II0	C21-C09	6.08	1.55	1.42
24	A	805	CLA	C4B-NB	6.07	1.40	1.35
34	b	317	IHT	C02-C07	-6.07	1.45	1.53
34	R	204	IHT	C21-C11	6.06	1.55	1.42
34	c	615	IHT	C22-C23	6.06	1.59	1.45
34	O	203	IHT	C22-C23	6.06	1.59	1.45
24	A	837	CLA	C4B-NB	6.06	1.40	1.35
34	b	317	IHT	C22-C23	6.05	1.58	1.45
33	f	615	II0	C11-C13	-6.05	1.41	1.51
34	f	617	IHT	C21-C11	6.04	1.55	1.42
33	J	104	II0	C23-C25	6.04	1.54	1.42
33	g	317	II0	C21-C09	6.03	1.55	1.42
34	g	319	IHT	C24-C26	6.02	1.54	1.42
24	B	805	CLA	C4B-NB	6.01	1.40	1.35
34	b	316	IHT	C02-C07	-6.01	1.45	1.53
34	R	204	IHT	C02-C07	-6.01	1.45	1.53
33	j	316	II0	C24-C26	6.01	1.54	1.42
24	A	826	CLA	C4B-NB	6.00	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	c	615	IHT	C02-C07	-5.99	1.45	1.53
34	a	316	IHT	C22-C23	5.99	1.58	1.45
34	k	618	IHT	C22-C23	5.99	1.58	1.45
33	j	315	II0	C22-C10	5.98	1.55	1.42
34	R	204	IHT	C22-C23	5.97	1.58	1.45
24	A	838	CLA	C4B-NB	5.96	1.40	1.35
34	b	316	IHT	C22-C23	5.95	1.58	1.45
33	k	615	II0	C21-C09	5.95	1.54	1.42
24	A	825	CLA	C4B-NB	5.95	1.40	1.35
33	h	310	II0	C11-C13	-5.95	1.41	1.51
33	f	615	II0	C24-C26	5.94	1.54	1.42
34	a	316	IHT	C12-C15	-5.94	1.41	1.51
33	h	311	II0	C24-C26	5.94	1.54	1.42
34	g	319	IHT	C12-C15	-5.93	1.41	1.51
33	k	616	II0	C11-C13	-5.93	1.41	1.51
35	k	612	KC2	C4D-ND	5.93	1.40	1.35
24	A	832	CLA	C4B-NB	5.93	1.40	1.35
33	b	318	II0	C24-C26	5.90	1.53	1.42
24	d	305	CLA	C4B-NB	5.90	1.40	1.35
33	d	314	II0	C24-C26	5.89	1.53	1.42
33	f	614	II0	C11-C13	-5.89	1.41	1.51
34	j	317	IHT	C22-C23	5.89	1.58	1.45
33	J	104	II0	C11-C13	-5.87	1.42	1.51
34	k	618	IHT	C12-C15	-5.86	1.42	1.51
34	g	319	IHT	C21-C11	5.85	1.54	1.42
34	f	617	IHT	C22-C23	5.83	1.58	1.45
33	i	612	II0	C11-C13	-5.82	1.42	1.51
34	O	203	IHT	C12-C15	-5.80	1.42	1.51
34	f	617	IHT	C12-C15	-5.80	1.42	1.51
24	A	834	CLA	C4B-NB	5.79	1.40	1.35
33	e	613	II0	C11-C13	-5.77	1.42	1.51
34	k	618	IHT	C02-C07	-5.76	1.45	1.53
34	j	317	IHT	C12-C15	-5.75	1.42	1.51
35	g	313	KC2	C2A-C3A	5.74	1.48	1.37
33	j	316	II0	C11-C13	-5.73	1.42	1.51
33	f	616	II0	C11-C13	-5.73	1.42	1.51
35	i	609	KC2	C2A-C3A	5.72	1.48	1.37
33	f	618	II0	C11-C13	-5.71	1.42	1.51
34	b	316	IHT	C12-C15	-5.71	1.42	1.51
33	J	104	II0	C24-C26	5.71	1.53	1.42
35	g	313	KC2	CHD-C4C	5.70	1.49	1.35
34	g	319	IHT	C22-C23	5.69	1.58	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	k	615	II0	C11-C13	-5.68	1.42	1.51
33	a	317	II0	C11-C13	-5.68	1.42	1.51
33	b	315	II0	C24-C26	5.68	1.53	1.42
33	i	613	II0	C11-C13	-5.67	1.42	1.51
33	j	315	II0	C24-C26	5.67	1.53	1.42
33	b	314	II0	C11-C13	-5.67	1.42	1.51
24	J	103	CLA	C4B-NB	5.67	1.40	1.35
35	d	311	KC2	C2A-C3A	5.66	1.48	1.37
35	g	314	KC2	C2A-C3A	5.66	1.48	1.37
34	b	317	IHT	C34-C35	5.65	1.58	1.45
33	b	315	II0	C22-C10	5.64	1.54	1.42
34	b	317	IHT	C12-C15	-5.63	1.42	1.51
24	B	807	CLA	C4B-NB	5.62	1.40	1.35
35	i	616	KC2	C2A-C3A	5.62	1.48	1.37
34	c	615	IHT	C12-C15	-5.61	1.42	1.51
24	A	836	CLA	C4B-NB	5.60	1.40	1.35
33	g	318	II0	C11-C13	-5.60	1.42	1.51
33	O	202	II0	C11-C13	-5.60	1.42	1.51
33	c	614	II0	C11-C13	-5.57	1.42	1.51
33	h	309	II0	C11-C13	-5.57	1.42	1.51
35	g	312	KC2	C1A-NA	5.56	1.48	1.38
35	d	310	KC2	C2A-C3A	5.56	1.48	1.37
35	g	312	KC2	C2A-C3A	5.56	1.48	1.37
33	h	311	II0	C11-C13	-5.56	1.42	1.51
33	c	613	II0	C11-C13	-5.56	1.42	1.51
35	e	609	KC2	C2A-C3A	5.55	1.48	1.37
35	k	613	KC2	C2A-C3A	5.55	1.48	1.37
34	k	618	IHT	C34-C35	5.55	1.57	1.45
33	d	313	II0	C11-C13	-5.54	1.42	1.51
35	i	616	KC2	CHD-C4C	5.54	1.49	1.35
33	k	615	II0	C23-C25	5.53	1.53	1.42
35	k	613	KC2	CHD-C4C	5.53	1.49	1.35
35	k	611	KC2	C2A-C3A	5.53	1.48	1.37
35	k	612	KC2	CHD-C4C	5.52	1.49	1.35
33	e	614	II0	C11-C13	-5.52	1.42	1.51
35	g	314	KC2	C3C-C2C	5.51	1.48	1.37
34	R	204	IHT	C12-C15	-5.50	1.42	1.51
35	j	312	KC2	CHD-C4C	5.49	1.49	1.35
35	c	610	KC2	C2A-C3A	5.47	1.48	1.37
34	c	615	IHT	C34-C35	5.46	1.57	1.45
34	O	203	IHT	C34-C35	5.46	1.57	1.45
35	c	610	KC2	CHD-C4C	5.44	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	315	II0	C11-C13	-5.44	1.42	1.51
35	k	612	KC2	C2A-C3A	5.43	1.48	1.37
35	g	314	KC2	CHD-C4C	5.42	1.48	1.35
33	e	612	II0	C11-C13	-5.42	1.42	1.51
33	a	313	II0	C11-C13	-5.40	1.42	1.51
35	k	613	KC2	C3C-C2C	5.40	1.48	1.37
34	a	316	IHT	C34-C35	5.37	1.57	1.45
35	k	613	KC2	OBD-CAD	5.37	1.29	1.22
34	b	316	IHT	C34-C35	5.37	1.57	1.45
33	g	317	II0	C11-C13	-5.36	1.42	1.51
33	g	316	II0	C11-C13	-5.36	1.42	1.51
35	k	612	KC2	OBD-CAD	5.35	1.29	1.22
35	d	310	KC2	CHD-C4C	5.34	1.48	1.35
33	j	318	II0	C11-C13	-5.34	1.42	1.51
34	j	317	IHT	C34-C35	5.34	1.57	1.45
35	g	314	KC2	OBD-CAD	5.33	1.29	1.22
35	g	312	KC2	CHD-C4C	5.32	1.48	1.35
35	i	609	KC2	CHD-C4C	5.32	1.48	1.35
35	d	311	KC2	CHD-C4C	5.31	1.48	1.35
33	i	614	II0	C11-C13	-5.29	1.42	1.51
35	i	616	KC2	OBD-CAD	5.29	1.29	1.22
35	k	611	KC2	CHD-C4C	5.26	1.48	1.35
35	f	611	KC2	CHD-C4C	5.25	1.48	1.35
33	d	314	II0	C11-C13	-5.25	1.42	1.51
35	d	310	KC2	OBD-CAD	5.25	1.29	1.22
33	e	616	II0	C11-C13	-5.25	1.42	1.51
35	f	611	KC2	C2A-C3A	5.24	1.47	1.37
33	k	619	II0	C11-C13	-5.23	1.42	1.51
35	c	610	KC2	C3C-C2C	5.23	1.47	1.37
34	f	617	IHT	C34-C35	5.22	1.57	1.45
34	R	204	IHT	C34-C35	5.18	1.57	1.45
34	f	617	IHT	C04-C02	5.17	1.66	1.54
35	f	611	KC2	C1A-NA	5.15	1.48	1.38
34	k	618	IHT	C04-C02	5.15	1.66	1.54
35	g	313	KC2	OBD-CAD	5.14	1.29	1.22
35	i	616	KC2	C3C-C2C	5.13	1.47	1.37
34	g	319	IHT	C34-C35	5.11	1.56	1.45
35	d	311	KC2	OBD-CAD	5.11	1.29	1.22
34	a	316	IHT	C04-C02	5.11	1.65	1.54
35	k	613	KC2	C1A-NA	5.10	1.48	1.38
34	R	204	IHT	C04-C02	5.10	1.65	1.54
34	g	319	IHT	C04-C02	5.09	1.65	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	k	612	KC2	C1A-NA	5.09	1.47	1.38
35	k	612	KC2	C3D-C2D	5.08	1.48	1.39
33	j	315	II0	C11-C13	-5.08	1.43	1.51
33	b	315	II0	C11-C13	-5.08	1.43	1.51
35	j	312	KC2	C3C-C2C	5.08	1.47	1.37
33	k	621	II0	C11-C13	-5.07	1.43	1.51
35	k	613	KC2	C3D-C2D	5.07	1.48	1.39
34	c	615	IHT	C04-C02	5.06	1.65	1.54
35	g	314	KC2	C3D-C2D	5.06	1.48	1.39
35	g	314	KC2	C1A-NA	5.06	1.47	1.38
35	g	312	KC2	OBD-CAD	5.05	1.29	1.22
33	b	314	II0	C31-C29	5.05	1.59	1.43
33	g	320	II0	C11-C13	-5.04	1.43	1.51
34	b	316	IHT	C04-C02	5.03	1.65	1.54
34	j	317	IHT	C04-C02	5.03	1.65	1.54
35	c	610	KC2	OBD-CAD	5.02	1.29	1.22
35	i	609	KC2	OBD-CAD	5.02	1.29	1.22
35	d	311	KC2	C1A-NA	5.01	1.47	1.38
34	b	317	IHT	C04-C02	5.01	1.65	1.54
35	i	609	KC2	C1A-NA	5.00	1.47	1.38
35	i	616	KC2	C3D-C2D	5.00	1.48	1.39
35	d	310	KC2	C3B-C2B	4.99	1.47	1.37
35	j	312	KC2	C1A-NA	4.99	1.47	1.38
33	d	315	II0	C11-C13	-4.99	1.43	1.51
35	c	610	KC2	C1A-NA	4.95	1.47	1.38
35	i	616	KC2	C1A-NA	4.95	1.47	1.38
35	e	609	KC2	CHD-C4C	4.95	1.47	1.35
34	O	203	IHT	C04-C02	4.93	1.65	1.54
35	k	611	KC2	C3D-C2D	4.92	1.48	1.39
35	k	613	KC2	O2D-CGD	4.92	1.45	1.33
35	k	611	KC2	C1A-NA	4.91	1.47	1.38
35	i	616	KC2	C3B-C2B	4.90	1.47	1.37
35	d	310	KC2	C3C-C2C	4.90	1.47	1.37
35	k	612	KC2	C3C-C2C	4.89	1.47	1.37
35	k	612	KC2	C3B-C2B	4.89	1.47	1.37
35	j	312	KC2	OBD-CAD	4.88	1.29	1.22
35	c	610	KC2	C3B-C2B	4.87	1.47	1.37
35	e	609	KC2	OBD-CAD	4.86	1.29	1.22
35	d	310	KC2	C1A-NA	4.86	1.47	1.38
35	f	611	KC2	OBD-CAD	4.86	1.29	1.22
33	i	614	II0	C31-C29	4.86	1.58	1.43
33	c	616	II0	C11-C13	-4.85	1.43	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	g	314	KC2	C3B-C2B	4.85	1.47	1.37
35	e	609	KC2	C3C-C2C	4.85	1.47	1.37
35	k	611	KC2	OBD-CAD	4.85	1.29	1.22
35	d	311	KC2	C3C-C2C	4.84	1.47	1.37
35	j	312	KC2	C2A-C3A	4.83	1.47	1.37
35	g	313	KC2	C1A-NA	4.83	1.47	1.38
35	d	311	KC2	C3B-C2B	4.82	1.47	1.37
35	c	610	KC2	C3D-C2D	4.81	1.48	1.39
35	g	312	KC2	C3C-C2C	4.81	1.47	1.37
35	e	609	KC2	C3B-C2B	4.79	1.47	1.37
35	g	312	KC2	C3B-C2B	4.79	1.47	1.37
35	f	611	KC2	C3B-C2B	4.79	1.47	1.37
35	k	611	KC2	O2D-CGD	4.78	1.44	1.33
35	g	313	KC2	C3B-C2B	4.77	1.46	1.37
34	b	317	IHT	C06-C09	4.77	1.67	1.52
35	e	609	KC2	C1A-NA	4.75	1.47	1.38
34	j	317	IHT	C06-C09	4.75	1.67	1.52
35	k	611	KC2	C3C-C2C	4.74	1.46	1.37
34	O	203	IHT	C06-C09	4.73	1.67	1.52
33	k	617	II0	C11-C13	-4.73	1.43	1.51
35	k	613	KC2	C3B-C2B	4.72	1.46	1.37
33	b	318	II0	C11-C13	-4.72	1.43	1.51
35	j	312	KC2	C3B-C2B	4.71	1.46	1.37
34	c	615	IHT	C06-C09	4.71	1.67	1.52
35	k	611	KC2	C3B-C2B	4.69	1.46	1.37
35	e	609	KC2	C3D-C2D	4.69	1.47	1.39
25	B	842	PQN	C10-C1	4.68	1.57	1.48
35	c	610	KC2	O2D-CGD	4.68	1.44	1.33
35	i	616	KC2	O2D-CGD	4.67	1.44	1.33
35	f	611	KC2	C3C-C2C	4.67	1.46	1.37
34	a	316	IHT	C06-C09	4.66	1.67	1.52
25	A	843	PQN	C10-C1	4.65	1.57	1.48
35	i	609	KC2	C3C-C2C	4.65	1.46	1.37
33	b	315	II0	C31-C29	4.64	1.57	1.43
33	a	317	II0	C42-C40	4.64	1.57	1.43
35	d	310	KC2	O2D-CGD	4.64	1.44	1.33
34	f	617	IHT	C06-C09	4.63	1.67	1.52
35	g	313	KC2	C3C-C2C	4.62	1.46	1.37
34	b	316	IHT	C06-C09	4.62	1.67	1.52
33	k	616	II0	C32-C30	4.61	1.57	1.43
34	k	618	IHT	C06-C09	4.61	1.67	1.52
34	b	317	IHT	C30-C27	4.60	1.57	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	g	312	KC2	O2D-CGD	4.60	1.44	1.33
34	R	204	IHT	C06-C09	4.60	1.67	1.52
35	j	312	KC2	C3D-C2D	4.60	1.47	1.39
35	k	612	KC2	O2D-CGD	4.59	1.44	1.33
25	B	842	PQN	C5-C4	4.59	1.56	1.48
35	d	310	KC2	C3D-C2D	4.59	1.47	1.39
26	J	107	LHG	O8-C23	4.58	1.46	1.33
33	e	616	II0	C42-C40	4.58	1.57	1.43
34	k	618	IHT	C30-C27	4.58	1.57	1.43
24	O	205	CLA	C1D-ND	4.57	1.43	1.37
25	A	843	PQN	C5-C4	4.57	1.56	1.48
35	i	609	KC2	O2D-CGD	4.57	1.44	1.33
34	c	615	IHT	C30-C27	4.56	1.57	1.43
35	i	609	KC2	C3D-C2D	4.56	1.47	1.39
34	f	617	IHT	C30-C27	4.56	1.57	1.43
35	d	311	KC2	C3D-C2D	4.55	1.47	1.39
33	g	320	II0	C32-C30	4.54	1.57	1.43
34	g	319	IHT	C06-C09	4.54	1.66	1.52
33	a	315	II0	C31-C29	4.52	1.57	1.43
33	f	618	II0	C42-C40	4.50	1.57	1.43
26	j	319	LHG	O7-C7	4.49	1.47	1.34
26	k	620	LHG	O7-C7	4.48	1.47	1.34
35	g	313	KC2	C3D-C2D	4.48	1.47	1.39
34	b	316	IHT	C30-C27	4.47	1.57	1.43
35	f	611	KC2	C3D-C2D	4.47	1.47	1.39
34	R	204	IHT	C30-C27	4.47	1.57	1.43
26	J	107	LHG	O7-C7	4.46	1.46	1.34
26	d	316	LHG	O8-C23	4.45	1.46	1.33
33	d	315	II0	C31-C29	4.44	1.57	1.43
34	O	203	IHT	C30-C27	4.43	1.57	1.43
34	j	317	IHT	C30-C27	4.43	1.57	1.43
35	g	313	KC2	O2D-CGD	4.42	1.44	1.33
34	a	316	IHT	C30-C27	4.41	1.57	1.43
33	e	612	II0	C42-C40	4.41	1.57	1.43
35	i	609	KC2	C3B-C2B	4.41	1.46	1.37
33	i	612	II0	C31-C29	4.41	1.57	1.43
32	F	206	LMG	O8-C28	4.39	1.46	1.33
33	k	619	II0	C31-C29	4.37	1.57	1.43
26	i	615	LHG	O8-C23	4.36	1.46	1.33
33	f	618	II0	C32-C30	4.36	1.57	1.43
34	g	319	IHT	C30-C27	4.36	1.56	1.43
35	e	609	KC2	O2D-CGD	4.36	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	317	II0	C32-C30	4.35	1.56	1.43
33	k	619	II0	C42-C40	4.35	1.56	1.43
32	O	204	LMG	O8-C28	4.35	1.46	1.33
26	e	617	LHG	O7-C7	4.35	1.46	1.34
33	k	616	II0	C42-C40	4.35	1.56	1.43
33	h	309	II0	C42-C40	4.34	1.56	1.43
33	k	615	II0	C32-C30	4.34	1.56	1.43
26	b	302	LHG	O8-C23	4.33	1.46	1.33
33	k	615	II0	C42-C40	4.33	1.56	1.43
33	g	318	II0	C31-C29	4.32	1.56	1.43
35	g	314	KC2	O2D-CGD	4.32	1.43	1.33
26	g	321	LHG	O7-C7	4.32	1.46	1.34
33	e	613	II0	C32-C30	4.32	1.56	1.43
26	j	319	LHG	O8-C23	4.31	1.45	1.33
33	a	313	II0	C31-C29	4.31	1.56	1.43
35	j	312	KC2	O2D-CGD	4.30	1.43	1.33
26	b	320	LHG	O8-C23	4.29	1.45	1.33
33	e	613	II0	C31-C29	4.29	1.56	1.43
33	k	616	II0	C31-C29	4.29	1.56	1.43
35	d	311	KC2	O2D-CGD	4.28	1.43	1.33
33	b	318	II0	C31-C29	4.28	1.56	1.43
35	i	616	KC2	CHB-C1B	4.28	1.46	1.38
33	c	616	II0	C32-C30	4.27	1.56	1.43
33	g	320	II0	C42-C40	4.27	1.56	1.43
33	a	317	II0	C31-C29	4.27	1.56	1.43
33	f	614	II0	C42-C40	4.27	1.56	1.43
26	i	615	LHG	O7-C7	4.27	1.46	1.34
33	c	616	II0	C31-C29	4.26	1.56	1.43
33	k	621	II0	C31-C29	4.26	1.56	1.43
33	f	616	II0	C31-C29	4.26	1.56	1.43
35	f	611	KC2	O2D-CGD	4.25	1.43	1.33
33	O	202	II0	C42-C40	4.25	1.56	1.43
35	k	612	KC2	CBC-CAC	4.25	1.51	1.30
33	k	621	II0	C42-C40	4.24	1.56	1.43
33	b	314	II0	C42-C40	4.24	1.56	1.43
33	O	202	II0	C31-C29	4.24	1.56	1.43
35	d	311	KC2	CBC-CAC	4.24	1.51	1.30
33	i	614	II0	C42-C40	4.23	1.56	1.43
33	i	613	II0	C42-C40	4.23	1.56	1.43
35	g	312	KC2	CBC-CAC	4.23	1.51	1.30
33	J	104	II0	C31-C29	4.23	1.56	1.43
35	g	313	KC2	CBC-CAC	4.23	1.51	1.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
26	f	619	LHG	O8-C23	4.22	1.45	1.33
33	e	614	II0	C31-C29	4.22	1.56	1.43
33	k	617	II0	C42-C40	4.21	1.56	1.43
33	d	314	II0	C42-C40	4.21	1.56	1.43
30	B	843	DGD	O2G-C1B	4.21	1.46	1.34
33	f	614	II0	C31-C29	4.20	1.56	1.43
26	e	617	LHG	O8-C23	4.20	1.45	1.33
26	c	617	LHG	O8-C23	4.19	1.45	1.33
26	A	844	LHG	O8-C23	4.19	1.45	1.33
26	A	845	LHG	O8-C23	4.19	1.45	1.33
26	k	620	LHG	O8-C23	4.19	1.45	1.33
26	c	618	LHG	O7-C7	4.19	1.46	1.34
33	g	316	II0	C42-C40	4.19	1.56	1.43
33	k	617	II0	C32-C30	4.18	1.56	1.43
33	d	313	II0	C31-C29	4.18	1.56	1.43
35	g	312	KC2	C3D-C2D	4.18	1.46	1.39
26	g	301	LHG	O7-C7	4.16	1.46	1.34
33	g	320	II0	C31-C29	4.16	1.56	1.43
35	g	313	KC2	CHC-C4B	4.16	1.46	1.38
33	e	616	II0	C32-C30	4.16	1.56	1.43
33	e	614	II0	C42-C40	4.15	1.56	1.43
33	c	614	II0	C31-C29	4.15	1.56	1.43
26	g	301	LHG	O8-C23	4.15	1.45	1.33
33	c	616	II0	C42-C40	4.15	1.56	1.43
26	c	618	LHG	O8-C23	4.15	1.45	1.33
33	g	316	II0	C31-C29	4.15	1.56	1.43
33	d	314	II0	C31-C29	4.14	1.56	1.43
33	k	617	II0	C31-C29	4.14	1.56	1.43
35	i	616	KC2	CBC-CAC	4.14	1.50	1.30
26	a	301	LHG	O8-C23	4.14	1.45	1.33
35	k	613	KC2	CHC-C4B	4.14	1.46	1.38
24	b	307	CLA	C1D-ND	4.14	1.42	1.37
33	a	315	II0	C32-C30	4.13	1.56	1.43
33	d	315	II0	C42-C40	4.13	1.56	1.43
33	a	313	II0	C06-C04	4.13	1.67	1.54
35	j	312	KC2	CBC-CAC	4.13	1.50	1.30
33	h	311	II0	C31-C29	4.13	1.56	1.43
35	c	610	KC2	CHC-C4B	4.12	1.46	1.38
35	g	314	KC2	CHB-C1B	4.12	1.46	1.38
35	g	314	KC2	CBC-CAC	4.12	1.50	1.30
33	h	310	II0	C42-C40	4.11	1.56	1.43
33	k	616	II0	C34-C36	4.11	1.54	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	317	II0	C06-C04	4.11	1.67	1.54
33	e	613	II0	C42-C40	4.11	1.56	1.43
33	i	614	II0	C32-C30	4.11	1.56	1.43
33	i	613	II0	C31-C29	4.10	1.56	1.43
33	f	614	II0	C32-C30	4.10	1.56	1.43
32	L	208	LMG	O7-C10	4.10	1.45	1.34
26	c	617	LHG	O7-C7	4.10	1.45	1.34
32	b	301	LMG	O7-C10	4.09	1.45	1.34
32	b	301	LMG	O8-C28	4.09	1.45	1.33
35	k	613	KC2	CBC-CAC	4.09	1.50	1.30
33	k	617	II0	C06-C04	4.08	1.67	1.54
33	k	621	II0	C32-C30	4.08	1.56	1.43
35	e	609	KC2	CBC-CAC	4.08	1.50	1.30
33	f	614	II0	C06-C04	4.08	1.67	1.54
26	B	802	LHG	O8-C23	4.08	1.45	1.33
33	i	613	II0	C32-C30	4.08	1.56	1.43
35	k	611	KC2	CBC-CAC	4.07	1.50	1.30
26	d	316	LHG	O7-C7	4.07	1.45	1.34
24	e	603	CLA	C1D-ND	4.07	1.42	1.37
35	c	610	KC2	CHB-C1B	4.07	1.46	1.38
33	k	619	II0	C32-C30	4.07	1.56	1.43
33	a	313	II0	C42-C40	4.07	1.56	1.43
33	d	315	II0	C32-C30	4.07	1.56	1.43
33	b	315	II0	C42-C40	4.07	1.56	1.43
33	b	318	II0	C32-C30	4.06	1.56	1.43
35	i	609	KC2	CBC-CAC	4.06	1.50	1.30
33	e	612	II0	C32-C30	4.05	1.56	1.43
33	f	616	II0	C06-C04	4.05	1.67	1.54
35	d	310	KC2	CBC-CAC	4.05	1.50	1.30
35	f	611	KC2	CBC-CAC	4.05	1.50	1.30
34	g	319	IHT	C09-C10	-4.05	1.43	1.51
34	b	317	IHT	C41-C38	4.05	1.56	1.43
33	e	616	II0	C31-C29	4.04	1.56	1.43
33	g	318	II0	C06-C04	4.04	1.67	1.54
30	B	843	DGD	O1G-C1A	4.04	1.45	1.33
33	j	315	II0	C42-C40	4.04	1.56	1.43
33	c	614	II0	C32-C30	4.04	1.56	1.43
33	a	315	II0	C42-C40	4.04	1.56	1.43
33	j	318	II0	C42-C40	4.04	1.56	1.43
27	B	846	WVN	C26-C22	-4.04	1.30	1.35
32	J	106	LMG	O8-C28	4.04	1.45	1.33
24	B	804	CLA	C4D-ND	-4.03	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
26	f	619	LHG	O7-C7	4.03	1.45	1.34
27	L	206	WVN	C26-C22	-4.03	1.30	1.35
33	O	202	II0	C32-C30	4.03	1.55	1.43
33	e	612	II0	C41-C39	4.03	1.55	1.43
33	b	314	II0	C32-C30	4.03	1.55	1.43
24	b	306	CLA	C1D-ND	4.02	1.42	1.37
24	i	604	CLA	C1D-ND	4.02	1.42	1.37
33	e	616	II0	C06-C04	4.02	1.67	1.54
33	g	317	II0	C31-C29	4.02	1.55	1.43
24	d	304	CLA	C1D-ND	4.02	1.42	1.37
33	h	310	II0	C31-C29	4.02	1.55	1.43
33	j	318	II0	C31-C29	4.01	1.55	1.43
24	b	310	CLA	C1D-ND	4.01	1.42	1.37
26	f	620	LHG	O8-C23	4.01	1.45	1.33
33	c	613	II0	C32-C30	4.01	1.55	1.43
24	j	307	CLA	C1D-ND	4.01	1.42	1.37
33	h	310	II0	C12-C14	-4.01	1.44	1.51
26	b	320	LHG	O7-C7	4.01	1.45	1.34
35	d	310	KC2	CHB-C1B	4.00	1.46	1.38
33	e	612	II0	C31-C29	4.00	1.55	1.43
26	a	301	LHG	O7-C7	4.00	1.45	1.34
33	k	615	II0	C06-C04	4.00	1.67	1.54
33	e	614	II0	C32-C30	4.00	1.55	1.43
32	L	208	LMG	O8-C28	3.99	1.45	1.33
35	g	312	KC2	C4D-CHA	3.99	1.50	1.45
33	c	613	II0	C31-C29	3.99	1.55	1.43
33	g	316	II0	C32-C30	3.99	1.55	1.43
33	j	318	II0	C06-C04	3.99	1.67	1.54
35	i	616	KC2	CHC-C4B	3.99	1.46	1.38
33	j	315	II0	C31-C29	3.98	1.55	1.43
24	j	306	CLA	C1D-ND	3.98	1.42	1.37
33	c	613	II0	C42-C40	3.98	1.55	1.43
33	f	616	II0	C42-C40	3.98	1.55	1.43
33	b	318	II0	C42-C40	3.98	1.55	1.43
33	c	616	II0	C06-C04	3.98	1.67	1.54
34	f	617	IHT	C09-C10	-3.98	1.43	1.51
26	b	302	LHG	O7-C7	3.98	1.45	1.34
33	i	614	II0	C06-C04	3.97	1.67	1.54
33	d	313	II0	C42-C40	3.97	1.55	1.43
26	A	845	LHG	O7-C7	3.97	1.45	1.34
33	d	315	II0	C06-C04	3.97	1.67	1.54
35	k	611	KC2	CHB-C1B	3.97	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	g	314	KC2	CHC-C4B	3.96	1.46	1.38
24	i	606	CLA	C1D-ND	3.96	1.42	1.37
33	d	315	II0	C41-C39	3.96	1.55	1.43
33	k	615	II0	C41-C39	3.96	1.55	1.43
33	d	313	II0	C32-C30	3.95	1.55	1.43
27	A	849	WVN	C26-C22	-3.95	1.30	1.35
33	a	317	II0	C41-C39	3.95	1.55	1.43
33	h	309	II0	C31-C29	3.95	1.55	1.43
27	A	847	WVN	C37-C34	-3.95	1.30	1.35
35	c	610	KC2	CBC-CAC	3.95	1.49	1.30
33	e	614	II0	C06-C04	3.95	1.67	1.54
33	f	616	II0	C32-C30	3.95	1.55	1.43
33	a	317	II0	C34-C36	3.94	1.54	1.45
26	g	321	LHG	O8-C23	3.94	1.44	1.33
27	K	103	WVN	C36-C32	-3.94	1.30	1.35
33	a	314	II0	C32-C30	3.94	1.55	1.43
24	b	313	CLA	C1D-ND	3.94	1.42	1.37
32	O	204	LMG	O7-C10	3.94	1.45	1.34
33	a	314	II0	C31-C29	3.93	1.55	1.43
24	B	801	CLA	C4D-ND	-3.93	1.32	1.37
33	a	315	II0	C06-C04	3.93	1.67	1.54
24	k	603	CLA	C1D-ND	3.92	1.42	1.37
33	e	613	II0	C06-C04	3.92	1.67	1.54
33	i	612	II0	C42-C40	3.91	1.55	1.43
33	h	311	II0	C12-C14	-3.91	1.45	1.51
32	F	206	LMG	O7-C10	3.91	1.45	1.34
33	j	318	II0	C32-C30	3.91	1.55	1.43
34	O	203	IHT	C41-C38	3.91	1.55	1.43
33	k	619	II0	C06-C04	3.91	1.67	1.54
34	k	618	IHT	C41-C38	3.91	1.55	1.43
27	F	204	WVN	C28-C25	-3.91	1.30	1.35
33	g	317	II0	C32-C30	3.91	1.55	1.43
33	d	314	II0	C06-C04	3.91	1.67	1.54
34	R	204	IHT	C09-C10	-3.90	1.43	1.51
33	d	314	II0	C32-C30	3.90	1.55	1.43
33	a	313	II0	C32-C30	3.90	1.55	1.43
33	f	618	II0	C06-C04	3.90	1.67	1.54
33	i	612	II0	C32-C30	3.90	1.55	1.43
33	a	315	II0	C41-C39	3.90	1.55	1.43
33	f	615	II0	C31-C29	3.90	1.55	1.43
27	K	103	WVN	C26-C22	-3.89	1.30	1.35
24	d	308	CLA	C1D-ND	3.89	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	j	317	IHT	C09-C10	-3.89	1.43	1.51
33	j	316	II0	C31-C29	3.89	1.55	1.43
27	B	847	WVN	C31-C32	3.88	1.54	1.45
34	c	615	IHT	C41-C38	3.88	1.55	1.43
34	k	618	IHT	C05-C03	3.88	1.67	1.54
34	a	316	IHT	C05-C03	3.88	1.67	1.54
24	d	303	CLA	C4D-ND	-3.88	1.32	1.37
33	h	309	II0	C34-C36	3.87	1.54	1.45
33	b	315	II0	C12-C14	-3.87	1.45	1.51
35	i	609	KC2	CHC-C4B	3.87	1.45	1.38
33	g	318	II0	C42-C40	3.87	1.55	1.43
33	i	614	II0	C41-C39	3.87	1.55	1.43
33	a	313	II0	C41-C39	3.87	1.55	1.43
33	g	316	II0	C06-C04	3.86	1.66	1.54
24	B	840	CLA	C4D-ND	-3.86	1.32	1.37
35	d	311	KC2	CHB-C1B	3.86	1.45	1.38
33	a	314	II0	C42-C40	3.86	1.55	1.43
24	i	608	CLA	C1D-ND	3.86	1.42	1.37
33	d	313	II0	C12-C14	-3.86	1.45	1.51
33	f	615	II0	C42-C40	3.86	1.55	1.43
24	B	829	CLA	C4D-ND	-3.86	1.32	1.37
24	f	601	CLA	C1D-ND	3.86	1.42	1.37
33	k	615	II0	C34-C36	3.86	1.54	1.45
34	j	317	IHT	C41-C38	3.85	1.55	1.43
33	g	317	II0	C12-C14	-3.85	1.45	1.51
33	k	621	II0	C06-C04	3.85	1.66	1.54
24	j	310	CLA	C1D-ND	3.85	1.42	1.37
26	B	802	LHG	O7-C7	3.85	1.45	1.34
24	g	309	CLA	C1D-ND	3.85	1.42	1.37
33	f	618	II0	C31-C29	3.85	1.55	1.43
33	J	104	II0	C32-C30	3.85	1.55	1.43
33	O	202	II0	C06-C04	3.85	1.66	1.54
33	c	613	II0	C06-C04	3.85	1.66	1.54
24	h	306	CLA	C1D-ND	3.85	1.42	1.37
33	h	310	II0	C32-C30	3.84	1.55	1.43
27	J	102	WVN	C28-C25	-3.84	1.30	1.35
33	b	318	II0	C06-C04	3.84	1.66	1.54
27	B	845	WVN	C28-C25	-3.84	1.30	1.35
24	k	614	CLA	C1D-ND	3.84	1.42	1.37
33	j	316	II0	C32-C30	3.84	1.55	1.43
24	f	613	CLA	C1D-ND	3.84	1.42	1.37
33	j	315	II0	C06-C04	3.83	1.66	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	g	312	KC2	C1B-NB	-3.83	1.33	1.37
34	k	618	IHT	C40-C37	3.83	1.55	1.43
35	g	312	KC2	CHB-C1B	3.83	1.45	1.38
34	b	316	IHT	C41-C38	3.83	1.55	1.43
24	a	306	CLA	C1D-ND	3.83	1.42	1.37
35	f	611	KC2	CHB-C1B	3.82	1.45	1.38
34	k	618	IHT	C09-C10	-3.82	1.43	1.51
33	f	618	II0	C41-C39	3.82	1.55	1.43
33	j	316	II0	C42-C40	3.82	1.55	1.43
24	d	312	CLA	C1D-ND	3.82	1.42	1.37
24	b	312	CLA	C1D-ND	3.82	1.42	1.37
33	g	318	II0	C32-C30	3.82	1.55	1.43
24	A	832	CLA	C4D-ND	-3.81	1.32	1.37
24	B	809	CLA	C4D-ND	-3.81	1.32	1.37
24	A	801	CLA	C1D-ND	3.81	1.42	1.37
35	k	613	KC2	CHB-C1B	3.81	1.45	1.38
33	g	320	II0	C34-C36	3.80	1.54	1.45
35	g	313	KC2	CHB-C1B	3.80	1.45	1.38
33	e	616	II0	C41-C39	3.80	1.55	1.43
33	i	613	II0	C06-C04	3.80	1.66	1.54
33	g	317	II0	C42-C40	3.80	1.55	1.43
24	J	105	CLA	C1D-ND	3.79	1.42	1.37
34	O	203	IHT	C05-C03	3.79	1.66	1.54
34	b	316	IHT	C05-C03	3.79	1.66	1.54
26	f	620	LHG	O7-C7	3.79	1.45	1.34
24	A	838	CLA	C1D-ND	3.78	1.42	1.37
24	B	806	CLA	C4D-ND	-3.78	1.32	1.37
33	h	311	II0	C32-C30	3.78	1.55	1.43
24	i	601	CLA	C1D-ND	3.78	1.42	1.37
33	J	104	II0	C42-C40	3.78	1.55	1.43
34	c	615	IHT	C40-C37	3.78	1.55	1.43
33	k	619	II0	C41-C39	3.78	1.55	1.43
33	O	202	II0	C41-C39	3.78	1.55	1.43
24	L	202	CLA	C1D-ND	3.77	1.42	1.37
35	f	611	KC2	CHC-C4B	3.77	1.45	1.38
33	k	619	II0	C12-C14	-3.77	1.45	1.51
33	d	313	II0	C06-C04	3.77	1.66	1.54
33	i	612	II0	C06-C04	3.77	1.66	1.54
33	k	617	II0	C41-C39	3.77	1.55	1.43
34	a	316	IHT	C41-C38	3.77	1.55	1.43
34	c	615	IHT	C05-C03	3.77	1.66	1.54
33	c	614	II0	C42-C40	3.77	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	k	619	II0	C33-C35	3.77	1.54	1.45
33	h	311	II0	C42-C40	3.77	1.55	1.43
24	c	606	CLA	C1D-ND	3.77	1.42	1.37
24	b	305	CLA	C1D-ND	3.77	1.42	1.37
27	L	201	WVN	C28-C25	-3.76	1.30	1.35
33	O	202	II0	C34-C36	3.76	1.54	1.45
34	f	617	IHT	C40-C37	3.76	1.55	1.43
33	e	612	II0	C06-C04	3.76	1.66	1.54
34	R	204	IHT	C41-C38	3.76	1.55	1.43
33	f	618	II0	C34-C36	3.76	1.54	1.45
33	k	615	II0	C12-C14	-3.76	1.45	1.51
24	c	605	CLA	C1D-ND	3.76	1.42	1.37
24	b	303	CLA	C1D-ND	3.76	1.42	1.37
33	f	618	II0	C12-C14	-3.76	1.45	1.51
24	h	307	CLA	C1D-ND	3.75	1.42	1.37
33	b	314	II0	C06-C04	3.75	1.66	1.54
33	f	615	II0	C32-C30	3.75	1.55	1.43
34	c	615	IHT	C09-C10	-3.75	1.43	1.51
24	d	303	CLA	C1D-ND	3.75	1.42	1.37
35	e	609	KC2	CHB-C1B	3.74	1.45	1.38
24	B	827	CLA	C4D-ND	-3.74	1.32	1.37
27	L	205	WVN	C23-C25	3.74	1.54	1.45
34	b	317	IHT	C05-C03	3.74	1.66	1.54
33	h	311	II0	C06-C04	3.74	1.66	1.54
34	b	316	IHT	C09-C10	-3.74	1.43	1.51
33	e	612	II0	C34-C36	3.74	1.54	1.45
34	b	317	IHT	C40-C37	3.74	1.55	1.43
27	A	850	WVN	C37-C34	-3.74	1.30	1.35
24	A	809	CLA	C4D-ND	-3.73	1.32	1.37
33	h	310	II0	C41-C39	3.73	1.55	1.43
35	i	609	KC2	CHB-C1B	3.73	1.45	1.38
24	e	601	CLA	C1D-ND	3.73	1.42	1.37
24	B	839	CLA	C1D-ND	3.73	1.42	1.37
24	i	611	CLA	C1D-ND	3.73	1.42	1.37
33	f	614	II0	C41-C39	3.73	1.55	1.43
34	g	319	IHT	C05-C03	3.73	1.66	1.54
24	A	820	CLA	C4D-ND	-3.72	1.32	1.37
27	B	848	WVN	C30-C28	3.72	1.55	1.43
35	j	312	KC2	CHB-C1B	3.72	1.45	1.38
24	c	601	CLA	C1D-ND	3.72	1.42	1.37
24	k	601	CLA	C1D-ND	3.72	1.42	1.37
33	c	616	II0	C41-C39	3.72	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	h	309	II0	C41-C39	3.72	1.55	1.43
27	A	846	WVN	C28-C25	-3.72	1.30	1.35
33	j	315	II0	C12-C14	-3.72	1.45	1.51
24	B	815	CLA	C4D-ND	-3.71	1.32	1.37
24	e	608	CLA	C1D-ND	3.71	1.42	1.37
34	j	317	IHT	C05-C03	3.71	1.66	1.54
33	k	621	II0	C41-C39	3.71	1.54	1.43
35	k	611	KC2	CHC-C4B	3.71	1.45	1.38
33	b	314	II0	C41-C39	3.70	1.54	1.43
33	e	614	II0	C41-C39	3.70	1.54	1.43
24	g	304	CLA	C1D-ND	3.70	1.42	1.37
33	d	314	II0	C41-C39	3.70	1.54	1.43
34	f	617	IHT	C05-C03	3.70	1.66	1.54
35	k	612	KC2	CHC-C4B	3.70	1.45	1.38
33	f	616	II0	C41-C39	3.70	1.54	1.43
33	c	614	II0	C06-C04	3.69	1.66	1.54
24	d	302	CLA	C1D-ND	3.69	1.42	1.37
24	k	607	CLA	C1D-ND	3.69	1.42	1.37
24	g	315	CLA	C4D-ND	-3.69	1.32	1.37
24	A	856	CLA	C1D-ND	3.69	1.42	1.37
33	b	315	II0	C06-C04	3.69	1.66	1.54
24	c	602	CLA	C1D-ND	3.69	1.42	1.37
34	a	316	IHT	C09-C10	-3.68	1.43	1.51
24	A	835	CLA	C4D-ND	-3.68	1.32	1.37
33	k	616	II0	C06-C04	3.68	1.66	1.54
24	h	301	CLA	C1D-ND	3.68	1.42	1.37
24	A	824	CLA	C4D-ND	-3.68	1.32	1.37
33	j	315	II0	C32-C30	3.68	1.54	1.43
33	f	615	II0	C12-C14	-3.67	1.45	1.51
34	g	319	IHT	C41-C38	3.67	1.54	1.43
33	a	315	II0	C34-C36	3.67	1.53	1.45
34	b	316	IHT	C40-C37	3.67	1.54	1.43
34	f	617	IHT	C41-C38	3.67	1.54	1.43
33	g	320	II0	C06-C04	3.67	1.66	1.54
33	b	315	II0	C33-C35	3.67	1.53	1.45
33	i	614	II0	C34-C36	3.66	1.53	1.45
24	A	853	CLA	C4D-ND	-3.66	1.32	1.37
33	i	613	II0	C41-C39	3.66	1.54	1.43
33	h	310	II0	C06-C04	3.66	1.66	1.54
24	c	604	CLA	C1D-ND	3.66	1.42	1.37
33	g	318	II0	C41-C39	3.66	1.54	1.43
24	B	835	CLA	C4D-ND	-3.66	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	c	603	CLA	C4D-ND	-3.65	1.32	1.37
33	a	313	II0	C34-C36	3.65	1.53	1.45
34	O	203	IHT	C40-C37	3.65	1.54	1.43
24	e	610	CLA	C1D-ND	3.65	1.42	1.37
24	d	301	CLA	C1D-ND	3.65	1.42	1.37
34	O	203	IHT	C09-C10	-3.65	1.43	1.51
33	f	615	II0	C06-C04	3.65	1.66	1.54
27	B	846	WVN	C36-C32	-3.65	1.30	1.35
34	b	317	IHT	C31-C29	3.65	1.54	1.43
33	g	316	II0	C41-C39	3.64	1.54	1.43
24	j	308	CLA	C1D-ND	3.64	1.42	1.37
24	c	612	CLA	C1D-ND	3.64	1.42	1.37
24	B	830	CLA	C4D-ND	-3.64	1.32	1.37
24	b	308	CLA	C4D-ND	-3.63	1.32	1.37
35	g	312	KC2	CHC-C4B	3.63	1.45	1.38
33	k	619	II0	C05-C03	3.63	1.66	1.54
32	J	106	LMG	O7-C10	3.63	1.44	1.34
33	b	315	II0	C41-C39	3.63	1.54	1.43
24	k	610	CLA	C1D-ND	3.62	1.42	1.37
33	d	313	II0	C41-C39	3.62	1.54	1.43
27	B	845	WVN	C19-C22	3.62	1.53	1.45
33	f	614	II0	C34-C36	3.62	1.53	1.45
33	O	202	II0	C12-C14	-3.62	1.45	1.51
24	k	602	CLA	C1D-ND	3.62	1.42	1.37
24	O	201	CLA	C1D-ND	3.62	1.42	1.37
33	a	314	II0	C41-C39	3.62	1.54	1.43
33	j	318	II0	C12-C14	-3.61	1.45	1.51
34	a	316	IHT	C14-C02	3.61	1.60	1.53
27	A	847	WVN	C28-C25	-3.61	1.31	1.35
33	e	613	II0	C41-C39	3.61	1.54	1.43
24	f	602	CLA	C1D-ND	3.61	1.42	1.37
34	a	316	IHT	C40-C37	3.61	1.54	1.43
33	k	616	II0	C41-C39	3.60	1.54	1.43
24	k	605	CLA	C1D-ND	3.60	1.42	1.37
24	B	818	CLA	C4D-ND	-3.60	1.32	1.37
34	j	317	IHT	C40-C37	3.60	1.54	1.43
24	B	823	CLA	C4D-ND	-3.60	1.32	1.37
24	j	302	CLA	C1D-ND	3.60	1.42	1.37
24	h	302	CLA	C4D-ND	-3.60	1.32	1.37
33	e	616	II0	C34-C36	3.60	1.53	1.45
24	f	610	CLA	C1D-ND	3.60	1.42	1.37
34	k	618	IHT	C14-C02	3.60	1.60	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	a	303	CLA	C1D-ND	3.60	1.42	1.37
24	A	818	CLA	C4D-ND	-3.59	1.32	1.37
33	e	616	II0	C12-C14	-3.59	1.45	1.51
24	B	811	CLA	C4D-ND	-3.59	1.32	1.37
33	j	316	II0	C12-C14	-3.59	1.45	1.51
33	j	318	II0	C41-C39	3.59	1.54	1.43
24	b	311	CLA	C1D-ND	3.59	1.42	1.37
24	e	604	CLA	C1D-ND	3.59	1.42	1.37
26	A	844	LHG	O7-C7	3.59	1.44	1.34
24	B	810	CLA	CAB-C3B	-3.59	1.44	1.51
24	R	203	CLA	C1D-ND	3.58	1.42	1.37
24	B	838	CLA	C4D-ND	-3.58	1.32	1.37
33	f	616	II0	C34-C36	3.58	1.53	1.45
24	b	306	CLA	C4D-ND	-3.58	1.32	1.37
34	b	317	IHT	C14-C02	3.58	1.60	1.53
24	h	305	CLA	C1D-ND	3.58	1.42	1.37
34	c	615	IHT	C14-C02	3.58	1.60	1.53
27	B	845	WVN	C36-C32	-3.58	1.31	1.35
24	A	839	CLA	C1D-ND	3.57	1.42	1.37
24	B	821	CLA	C4D-ND	-3.57	1.32	1.37
34	b	317	IHT	C09-C10	-3.57	1.44	1.51
35	e	609	KC2	CHC-C4B	3.57	1.45	1.38
24	f	605	CLA	C1D-ND	3.57	1.42	1.37
33	a	314	II0	C05-C03	3.57	1.66	1.54
35	j	312	KC2	CHC-C4B	3.57	1.45	1.38
24	A	806	CLA	C4D-ND	-3.57	1.32	1.37
24	L	204	CLA	C4D-ND	-3.56	1.32	1.37
24	A	832	CLA	C1D-ND	3.56	1.42	1.37
24	K	101	CLA	C4D-ND	-3.56	1.32	1.37
33	a	314	II0	C12-C14	-3.56	1.45	1.51
33	c	616	II0	C34-C36	3.56	1.53	1.45
33	g	318	II0	C12-C14	-3.56	1.45	1.51
24	A	839	CLA	C4D-ND	-3.56	1.32	1.37
33	k	617	II0	C34-C36	3.56	1.53	1.45
24	f	607	CLA	C1D-ND	3.56	1.42	1.37
24	c	609	CLA	C1D-ND	3.56	1.42	1.37
27	B	848	WVN	C26-C22	-3.56	1.31	1.35
24	F	201	CLA	C4D-ND	-3.56	1.32	1.37
34	R	204	IHT	C05-C03	3.56	1.66	1.54
33	a	314	II0	C06-C04	3.56	1.66	1.54
33	j	316	II0	C06-C04	3.55	1.66	1.54
33	c	614	II0	C41-C39	3.55	1.54	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	k	612	KC2	C3C-C4C	3.55	1.52	1.44
24	A	814	CLA	C4D-ND	-3.55	1.32	1.37
33	g	320	II0	C12-C14	-3.55	1.45	1.51
24	a	304	CLA	C1D-ND	3.55	1.42	1.37
24	A	852	CLA	C4D-ND	-3.55	1.32	1.37
24	h	303	CLA	C4D-ND	-3.55	1.32	1.37
24	j	305	CLA	C1D-ND	3.55	1.42	1.37
24	j	304	CLA	C1D-ND	3.55	1.42	1.37
24	f	607	CLA	C4D-ND	-3.55	1.32	1.37
34	a	316	IHT	C31-C29	3.54	1.54	1.43
24	A	837	CLA	C1D-ND	3.54	1.42	1.37
24	A	805	CLA	C1D-ND	3.54	1.42	1.37
24	R	203	CLA	C4D-ND	-3.54	1.32	1.37
34	b	316	IHT	C14-C02	3.54	1.60	1.53
24	A	807	CLA	C4D-ND	-3.54	1.32	1.37
33	k	621	II0	C34-C36	3.54	1.53	1.45
33	J	104	II0	C06-C04	3.54	1.65	1.54
24	f	604	CLA	C1D-ND	3.54	1.42	1.37
34	c	615	IHT	C31-C29	3.54	1.54	1.43
34	k	618	IHT	C31-C29	3.54	1.54	1.43
24	A	833	CLA	C4D-ND	-3.54	1.32	1.37
24	a	305	CLA	C4D-ND	-3.54	1.32	1.37
24	A	826	CLA	C1D-ND	3.53	1.42	1.37
33	b	315	II0	C32-C30	3.53	1.54	1.43
33	g	320	II0	C41-C39	3.53	1.54	1.43
24	j	311	CLA	C1D-ND	3.53	1.42	1.37
33	i	612	II0	C41-C39	3.53	1.54	1.43
33	g	317	II0	C06-C04	3.53	1.65	1.54
24	d	309	CLA	C1D-ND	3.53	1.42	1.37
24	k	608	CLA	C1D-ND	3.53	1.42	1.37
24	g	303	CLA	C4D-ND	-3.53	1.32	1.37
24	a	312	CLA	C1D-ND	3.53	1.42	1.37
35	g	313	KC2	C1B-NB	-3.52	1.33	1.37
33	b	318	II0	C41-C39	3.52	1.54	1.43
24	A	805	CLA	C4D-ND	-3.52	1.32	1.37
35	d	310	KC2	CHC-C4B	3.52	1.45	1.38
34	O	203	IHT	C14-C02	3.52	1.60	1.53
34	R	204	IHT	C40-C37	3.52	1.54	1.43
34	g	319	IHT	C14-C02	3.51	1.60	1.53
24	B	822	CLA	C1D-ND	3.51	1.42	1.37
24	B	819	CLA	C1D-ND	3.51	1.42	1.37
34	O	203	IHT	C31-C29	3.51	1.54	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	a	307	CLA	C1D-ND	3.51	1.42	1.37
24	g	307	CLA	C1D-ND	3.51	1.42	1.37
24	B	819	CLA	C4D-ND	-3.51	1.32	1.37
33	k	617	II0	C33-C35	3.51	1.53	1.45
24	B	825	CLA	C4D-ND	-3.50	1.32	1.37
27	L	201	WVN	C36-C32	-3.50	1.31	1.35
24	A	806	CLA	C1D-ND	3.50	1.42	1.37
24	d	305	CLA	C1D-ND	3.50	1.42	1.37
24	f	603	CLA	C1D-ND	3.50	1.42	1.37
35	k	612	KC2	C1B-NB	-3.50	1.33	1.37
33	b	314	II0	C34-C36	3.50	1.53	1.45
24	A	814	CLA	C1D-ND	3.50	1.42	1.37
27	L	206	WVN	C33-C34	3.50	1.53	1.45
24	A	815	CLA	C4D-ND	-3.50	1.32	1.37
24	B	805	CLA	C4D-ND	-3.49	1.32	1.37
24	A	835	CLA	C1D-ND	3.49	1.42	1.37
24	B	818	CLA	C1D-ND	3.49	1.42	1.37
35	k	612	KC2	CHB-C1B	3.49	1.45	1.38
33	b	314	II0	C05-C03	3.49	1.65	1.54
24	k	602	CLA	C4D-ND	-3.49	1.32	1.37
24	B	816	CLA	C4D-ND	-3.49	1.32	1.37
24	A	813	CLA	C4D-ND	-3.48	1.32	1.37
27	A	846	WVN	C37-C34	-3.48	1.31	1.35
24	g	306	CLA	C1D-ND	3.48	1.42	1.37
27	R	202	WVN	C28-C25	-3.48	1.31	1.35
33	d	313	II0	C05-C03	3.48	1.65	1.54
24	A	825	CLA	C4D-ND	-3.48	1.32	1.37
33	i	614	II0	C05-C03	3.48	1.65	1.54
24	I	102	CLA	C1D-ND	3.48	1.42	1.37
33	d	315	II0	C33-C35	3.48	1.53	1.45
24	B	838	CLA	C1D-ND	3.48	1.42	1.37
24	A	812	CLA	C4D-ND	-3.48	1.32	1.37
34	R	204	IHT	C14-C02	3.48	1.60	1.53
33	c	613	II0	C41-C39	3.48	1.54	1.43
34	b	317	IHT	C32-C33	3.48	1.53	1.45
27	A	850	WVN	C28-C25	-3.48	1.31	1.35
24	j	303	CLA	C1D-ND	3.48	1.42	1.37
33	e	614	II0	C34-C36	3.47	1.53	1.45
35	d	311	KC2	CHB-C4A	3.47	1.47	1.39
24	A	828	CLA	C1D-ND	3.47	1.42	1.37
34	f	617	IHT	C14-C02	3.47	1.60	1.53
34	R	204	IHT	C31-C29	3.47	1.54	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	f	615	II0	C41-C39	3.47	1.54	1.43
33	e	613	II0	C05-C03	3.47	1.65	1.54
24	A	817	CLA	C4D-ND	-3.47	1.32	1.37
33	j	315	II0	C41-C39	3.46	1.54	1.43
33	d	315	II0	C34-C36	3.46	1.53	1.45
24	B	833	CLA	C4D-ND	-3.46	1.32	1.37
33	i	614	II0	C12-C14	-3.46	1.45	1.51
33	i	613	II0	C34-C36	3.46	1.53	1.45
24	i	607	CLA	C1D-ND	3.46	1.42	1.37
34	g	319	IHT	C40-C37	3.46	1.54	1.43
34	j	317	IHT	C14-C02	3.46	1.60	1.53
33	a	317	II0	C12-C14	-3.46	1.45	1.51
24	j	308	CLA	C4D-ND	-3.45	1.32	1.37
24	c	611	CLA	C1D-ND	3.45	1.42	1.37
27	R	201	WVN	C37-C34	-3.45	1.31	1.35
24	c	602	CLA	C4D-ND	-3.45	1.32	1.37
27	K	103	WVN	C28-C25	-3.45	1.31	1.35
24	f	605	CLA	C4D-ND	-3.45	1.33	1.37
34	c	615	IHT	C32-C33	3.45	1.53	1.45
33	h	309	II0	C05-C03	3.45	1.65	1.54
33	a	313	II0	C12-C14	-3.45	1.45	1.51
24	F	201	CLA	C1D-ND	3.44	1.42	1.37
24	c	608	CLA	C1D-ND	3.44	1.42	1.37
24	A	823	CLA	C1D-ND	3.44	1.42	1.37
24	e	602	CLA	C1D-ND	3.44	1.42	1.37
24	f	608	CLA	C4D-ND	-3.44	1.33	1.37
24	i	605	CLA	C1D-ND	3.44	1.42	1.37
34	k	618	IHT	C32-C33	3.44	1.53	1.45
24	e	606	CLA	C1D-ND	3.44	1.42	1.37
24	e	611	CLA	C1D-ND	3.44	1.42	1.37
27	R	202	WVN	C36-C32	-3.44	1.31	1.35
24	f	606	CLA	C1D-ND	3.43	1.42	1.37
33	e	612	II0	C05-C03	3.43	1.65	1.54
33	j	315	II0	C05-C03	3.43	1.65	1.54
24	g	304	CLA	C4D-ND	-3.43	1.33	1.37
34	b	316	IHT	C31-C29	3.43	1.54	1.43
33	i	614	II0	C33-C35	3.43	1.53	1.45
34	j	317	IHT	C31-C29	3.43	1.54	1.43
33	e	612	II0	C12-C14	-3.43	1.45	1.51
24	e	610	CLA	C4D-ND	-3.43	1.33	1.37
24	F	202	CLA	C1D-ND	3.43	1.42	1.37
24	B	808	CLA	C4D-ND	-3.43	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	g	316	II0	C34-C36	3.43	1.53	1.45
27	R	202	WVN	C37-C34	-3.43	1.31	1.35
24	a	311	CLA	C4D-ND	-3.43	1.33	1.37
24	b	309	CLA	C4D-ND	-3.43	1.33	1.37
27	L	201	WVN	C26-C22	-3.43	1.31	1.35
33	k	615	II0	C31-C29	3.42	1.54	1.43
35	i	609	KC2	C4D-CHA	3.42	1.49	1.45
33	e	613	II0	C34-C36	3.42	1.53	1.45
27	L	201	WVN	C37-C34	-3.42	1.31	1.35
24	g	322	CLA	C4D-ND	-3.42	1.33	1.37
24	h	306	CLA	C4D-ND	-3.42	1.33	1.37
27	B	845	WVN	C26-C22	-3.42	1.31	1.35
27	B	849	WVN	C28-C25	-3.41	1.31	1.35
24	A	829	CLA	C4D-ND	-3.41	1.33	1.37
27	J	101	WVN	C28-C25	-3.41	1.31	1.35
27	M	101	WVN	C28-C25	-3.41	1.31	1.35
24	B	825	CLA	C1D-ND	3.40	1.42	1.37
27	B	845	WVN	C37-C34	-3.40	1.31	1.35
24	a	309	CLA	C1D-ND	3.40	1.42	1.37
24	A	819	CLA	C1D-ND	3.40	1.42	1.37
24	c	607	CLA	C1D-ND	3.40	1.42	1.37
24	A	802	CLA	C4D-ND	-3.40	1.33	1.37
33	e	614	II0	C05-C03	3.40	1.65	1.54
24	A	827	CLA	C4D-ND	-3.40	1.33	1.37
27	h	308	WVN	C23-C25	3.40	1.53	1.45
24	d	307	CLA	C1D-ND	3.40	1.42	1.37
33	d	313	II0	C34-C36	3.40	1.53	1.45
34	R	204	IHT	C32-C33	3.40	1.53	1.45
33	g	317	II0	C41-C39	3.40	1.54	1.43
24	g	322	CLA	C1D-ND	3.40	1.42	1.37
27	L	205	WVN	C30-C28	3.39	1.54	1.43
33	h	310	II0	C05-C03	3.39	1.65	1.54
24	A	823	CLA	C4D-ND	-3.39	1.33	1.37
24	a	309	CLA	C4D-ND	-3.39	1.33	1.37
35	i	616	KC2	CHB-C4A	3.39	1.47	1.39
24	A	818	CLA	CMB-C2B	-3.39	1.44	1.51
24	A	836	CLA	C4D-ND	-3.39	1.33	1.37
24	k	604	CLA	C1D-ND	3.39	1.42	1.37
24	d	305	CLA	CMB-C2B	-3.39	1.44	1.51
27	F	205	WVN	C36-C32	-3.39	1.31	1.35
24	B	831	CLA	C4D-ND	-3.39	1.33	1.37
24	g	310	CLA	C4D-ND	-3.39	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	f	617	IHT	C32-C33	3.39	1.53	1.45
33	e	613	II0	C12-C14	-3.39	1.45	1.51
33	c	613	II0	C34-C36	3.39	1.53	1.45
34	f	617	IHT	C31-C29	3.39	1.53	1.43
24	b	309	CLA	C1D-ND	3.38	1.41	1.37
24	B	806	CLA	C1D-ND	3.38	1.41	1.37
24	A	855	CLA	C4D-ND	-3.38	1.33	1.37
24	B	810	CLA	C4D-ND	-3.38	1.33	1.37
24	A	815	CLA	C1D-ND	3.38	1.41	1.37
35	k	612	KC2	CHB-C4A	3.38	1.47	1.39
24	A	824	CLA	C1D-ND	3.38	1.41	1.37
24	i	602	CLA	C1D-ND	3.38	1.41	1.37
34	b	316	IHT	C32-C33	3.38	1.53	1.45
24	L	203	CLA	C4D-ND	-3.38	1.33	1.37
24	e	605	CLA	C4D-ND	-3.38	1.33	1.37
27	F	205	WVN	C23-C25	3.38	1.53	1.45
24	i	603	CLA	C1D-ND	3.38	1.41	1.37
24	B	834	CLA	C4D-ND	-3.38	1.33	1.37
33	h	311	II0	C41-C39	3.38	1.53	1.43
31	B	844	LMU	O5B-C1B	3.38	1.50	1.41
24	A	830	CLA	C4D-ND	-3.38	1.33	1.37
33	k	615	II0	C05-C03	3.37	1.65	1.54
24	j	309	CLA	C4D-ND	-3.37	1.33	1.37
24	h	312	CLA	C1D-ND	3.37	1.41	1.37
24	B	812	CLA	C1D-ND	3.37	1.41	1.37
33	d	315	II0	C05-C03	3.37	1.65	1.54
27	F	205	WVN	C30-C28	3.37	1.53	1.43
24	c	602	CLA	CHC-C1C	3.37	1.43	1.35
24	A	820	CLA	CMB-C2B	-3.37	1.44	1.51
24	B	832	CLA	C4D-ND	-3.37	1.33	1.37
24	B	831	CLA	C1D-ND	3.37	1.41	1.37
35	d	311	KC2	CHC-C4B	3.37	1.44	1.38
24	a	310	CLA	C1D-ND	3.37	1.41	1.37
33	j	316	II0	C41-C39	3.36	1.53	1.43
33	J	104	II0	C12-C14	-3.36	1.45	1.51
24	j	309	CLA	C1D-ND	3.36	1.41	1.37
35	k	611	KC2	CHB-C4A	3.36	1.46	1.39
27	K	103	WVN	C37-C34	-3.36	1.31	1.35
33	f	618	II0	C05-C03	3.36	1.65	1.54
24	f	612	CLA	C1D-ND	3.36	1.41	1.37
24	B	812	CLA	C4D-ND	-3.36	1.33	1.37
24	B	831	CLA	CMB-C2B	-3.36	1.44	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	c	606	CLA	C4D-ND	-3.36	1.33	1.37
34	O	203	IHT	C32-C33	3.36	1.53	1.45
24	A	822	CLA	C4D-ND	-3.36	1.33	1.37
24	B	815	CLA	C1D-ND	3.36	1.41	1.37
33	k	617	II0	C05-C03	3.36	1.65	1.54
24	J	103	CLA	C4D-ND	-3.35	1.33	1.37
24	f	602	CLA	C4D-ND	-3.35	1.33	1.37
27	A	848	WVN	C36-C32	-3.35	1.31	1.35
24	A	826	CLA	C4D-ND	-3.35	1.33	1.37
24	g	310	CLA	C1D-ND	3.35	1.41	1.37
24	g	311	CLA	C4D-ND	-3.35	1.33	1.37
27	j	301	WVN	C23-C25	3.34	1.53	1.45
24	A	803	CLA	C1D-ND	3.34	1.41	1.37
24	f	608	CLA	C1D-ND	3.34	1.41	1.37
33	j	316	II0	C34-C36	3.34	1.53	1.45
24	A	809	CLA	C1D-ND	3.34	1.41	1.37
24	B	839	CLA	C4D-ND	-3.34	1.33	1.37
24	g	311	CLA	C1D-ND	3.34	1.41	1.37
24	a	308	CLA	C4D-ND	-3.34	1.33	1.37
24	A	818	CLA	C1D-ND	3.34	1.41	1.37
24	f	609	CLA	C4D-ND	-3.34	1.33	1.37
24	j	303	CLA	C4D-ND	-3.34	1.33	1.37
33	c	614	II0	C34-C36	3.34	1.53	1.45
24	J	103	CLA	C1D-ND	3.34	1.41	1.37
24	B	803	CLA	C4D-ND	-3.34	1.33	1.37
24	B	826	CLA	C4D-ND	-3.34	1.33	1.37
24	B	830	CLA	C1D-ND	3.33	1.41	1.37
27	j	301	WVN	C33-C34	3.33	1.53	1.45
24	d	306	CLA	C1D-ND	3.33	1.41	1.37
33	c	616	II0	C05-C03	3.33	1.65	1.54
24	A	816	CLA	C4D-ND	-3.33	1.33	1.37
33	f	614	II0	C12-C14	-3.33	1.45	1.51
33	f	616	II0	C05-C03	3.33	1.65	1.54
27	M	101	WVN	C36-C32	-3.33	1.31	1.35
24	O	201	CLA	C4D-ND	-3.33	1.33	1.37
35	d	311	KC2	C1B-NB	-3.33	1.33	1.37
33	i	613	II0	C12-C14	-3.33	1.45	1.51
33	a	313	II0	C05-C03	3.33	1.65	1.54
24	A	813	CLA	C1D-ND	3.33	1.41	1.37
27	e	615	WVN	C19-C22	3.32	1.53	1.45
24	B	824	CLA	C1D-ND	3.32	1.41	1.37
24	g	306	CLA	C4D-ND	-3.32	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	k	616	II0	C12-C14	-3.32	1.45	1.51
24	B	836	CLA	C4D-ND	-3.32	1.33	1.37
35	k	613	KC2	CHC-C1C	3.32	1.46	1.39
24	g	305	CLA	C4D-ND	-3.32	1.33	1.37
24	b	304	CLA	C4D-ND	-3.32	1.33	1.37
24	B	810	CLA	C1D-ND	3.32	1.41	1.37
24	B	814	CLA	C1D-ND	3.32	1.41	1.37
24	B	801	CLA	CHC-C1C	3.32	1.43	1.35
33	f	614	II0	C05-C03	3.31	1.65	1.54
27	M	101	WVN	C26-C22	-3.31	1.31	1.35
24	B	822	CLA	C4D-ND	-3.31	1.33	1.37
24	A	811	CLA	C1D-ND	3.31	1.41	1.37
24	A	842	CLA	C1D-ND	3.31	1.41	1.37
24	A	816	CLA	C1D-ND	3.31	1.41	1.37
24	A	831	CLA	C1D-ND	3.31	1.41	1.37
24	i	601	CLA	C4D-ND	-3.30	1.33	1.37
34	j	317	IHT	C32-C33	3.30	1.53	1.45
33	J	104	II0	C41-C39	3.30	1.53	1.43
24	A	831	CLA	C4D-ND	-3.30	1.33	1.37
35	d	310	KC2	CHB-C4A	3.30	1.46	1.39
24	B	841	CLA	C4D-ND	-3.30	1.33	1.37
35	e	609	KC2	CHB-C4A	3.30	1.46	1.39
33	j	318	II0	C05-C03	3.30	1.65	1.54
33	b	314	II0	C12-C14	-3.30	1.45	1.51
33	d	314	II0	C05-C03	3.30	1.65	1.54
24	A	808	CLA	C1D-ND	3.30	1.41	1.37
33	a	315	II0	C33-C35	3.30	1.53	1.45
24	h	304	CLA	C4D-ND	-3.30	1.33	1.37
27	L	206	WVN	C37-C34	-3.30	1.31	1.35
24	a	307	CLA	C4D-ND	-3.30	1.33	1.37
24	j	314	CLA	C4D-ND	-3.30	1.33	1.37
33	i	613	II0	C33-C35	3.30	1.53	1.45
24	a	304	CLA	C4D-ND	-3.30	1.33	1.37
27	A	849	WVN	C33-C34	3.30	1.53	1.45
33	i	612	II0	C05-C03	3.30	1.65	1.54
24	i	602	CLA	C4D-ND	-3.29	1.33	1.37
27	R	201	WVN	C36-C32	-3.29	1.31	1.35
27	J	101	WVN	C33-C34	3.29	1.53	1.45
24	i	610	CLA	C1D-ND	3.29	1.41	1.37
27	A	850	WVN	C36-C32	-3.29	1.31	1.35
24	c	608	CLA	C4D-ND	-3.29	1.33	1.37
24	B	835	CLA	C1D-ND	3.29	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	824	CLA	C4D-ND	-3.29	1.33	1.37
33	j	316	II0	C05-C03	3.29	1.65	1.54
27	L	201	WVN	C23-C25	3.29	1.53	1.45
33	d	315	II0	C12-C14	-3.29	1.46	1.51
33	a	317	II0	C33-C35	3.29	1.53	1.45
24	c	607	CLA	C4D-ND	-3.28	1.33	1.37
24	L	207	CLA	C1D-ND	3.28	1.41	1.37
33	b	318	II0	C12-C14	-3.28	1.46	1.51
27	B	848	WVN	C36-C32	-3.28	1.31	1.35
34	g	319	IHT	C31-C29	3.28	1.53	1.43
24	e	607	CLA	C4D-ND	-3.28	1.33	1.37
24	g	315	CLA	C1D-ND	3.28	1.41	1.37
24	b	312	CLA	C4D-ND	-3.28	1.33	1.37
33	g	320	II0	C05-C03	3.27	1.65	1.54
24	c	603	CLA	C1D-ND	3.27	1.41	1.37
24	b	313	CLA	C4D-ND	-3.27	1.33	1.37
24	j	313	CLA	C1D-ND	3.27	1.41	1.37
27	R	202	WVN	C26-C22	-3.27	1.31	1.35
27	I	101	WVN	C31-C32	3.27	1.53	1.45
27	h	308	WVN	C31-C32	3.27	1.53	1.45
33	k	619	II0	C34-C36	3.27	1.53	1.45
33	k	621	II0	C33-C35	3.27	1.53	1.45
24	b	305	CLA	C4D-ND	-3.27	1.33	1.37
24	A	808	CLA	C4D-ND	-3.26	1.33	1.37
24	A	812	CLA	C1D-ND	3.26	1.41	1.37
34	a	316	IHT	C32-C33	3.26	1.53	1.45
27	B	848	WVN	C33-C34	3.26	1.52	1.45
27	e	615	WVN	C28-C25	-3.26	1.31	1.35
33	c	614	II0	C12-C14	-3.26	1.46	1.51
24	A	804	CLA	C1D-ND	3.26	1.41	1.37
35	g	313	KC2	CHC-C1C	3.26	1.46	1.39
27	A	846	WVN	C19-C22	3.26	1.52	1.45
27	A	846	WVN	C33-C34	3.26	1.52	1.45
33	f	615	II0	C34-C36	3.26	1.52	1.45
33	h	310	II0	C34-C36	3.26	1.52	1.45
24	B	813	CLA	C4D-ND	-3.26	1.33	1.37
33	f	615	II0	C05-C03	3.26	1.65	1.54
27	L	205	WVN	C36-C32	-3.26	1.31	1.35
24	A	819	CLA	C4D-ND	-3.26	1.33	1.37
33	g	316	II0	C05-C03	3.26	1.65	1.54
27	e	615	WVN	C31-C32	3.26	1.52	1.45
24	B	820	CLA	C4D-ND	-3.26	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	g	314	KC2	CHB-C4A	3.26	1.46	1.39
24	A	822	CLA	C3B-C2B	-3.25	1.35	1.40
24	A	841	CLA	C4D-ND	-3.25	1.33	1.37
33	a	315	II0	C05-C03	3.25	1.65	1.54
33	j	318	II0	C34-C36	3.25	1.52	1.45
24	h	303	CLA	C1D-ND	3.25	1.41	1.37
24	i	610	CLA	MG-NA	3.25	2.14	2.06
24	B	817	CLA	C4D-ND	-3.25	1.33	1.37
27	J	102	WVN	C39-C36	3.25	1.53	1.43
24	e	606	CLA	C4D-ND	-3.25	1.33	1.37
33	k	621	II0	C05-C03	3.25	1.65	1.54
24	A	810	CLA	C4D-ND	-3.25	1.33	1.37
24	B	816	CLA	C1D-ND	3.25	1.41	1.37
27	B	847	WVN	C28-C25	-3.25	1.31	1.35
24	f	606	CLA	C4D-ND	-3.24	1.33	1.37
24	a	303	CLA	C4D-ND	-3.24	1.33	1.37
27	F	205	WVN	C33-C34	3.24	1.52	1.45
33	g	316	II0	C12-C14	-3.24	1.46	1.51
33	a	317	II0	C05-C03	3.24	1.65	1.54
27	A	849	WVN	C30-C28	3.24	1.53	1.43
33	g	318	II0	C05-C03	3.24	1.65	1.54
24	h	302	CLA	C1D-ND	3.24	1.41	1.37
27	J	102	WVN	C33-C34	3.24	1.52	1.45
24	A	842	CLA	C4D-ND	-3.24	1.33	1.37
27	A	847	WVN	C39-C36	3.24	1.53	1.43
27	j	301	WVN	C30-C28	3.24	1.53	1.43
27	B	849	WVN	C33-C34	3.24	1.52	1.45
24	A	852	CLA	C1D-ND	3.23	1.41	1.37
35	f	611	KC2	CHB-C4A	3.23	1.46	1.39
33	e	616	II0	C05-C03	3.23	1.64	1.54
33	a	314	II0	C34-C36	3.23	1.52	1.45
27	e	615	WVN	C23-C25	3.23	1.52	1.45
24	A	815	CLA	CMB-C2B	-3.23	1.44	1.51
33	b	315	II0	C34-C36	3.23	1.52	1.45
24	K	102	CLA	C1D-ND	3.23	1.41	1.37
24	A	834	CLA	C4D-ND	-3.23	1.33	1.37
27	e	615	WVN	C29-C26	3.23	1.53	1.43
33	f	616	II0	C12-C14	-3.22	1.46	1.51
33	c	614	II0	C05-C03	3.22	1.64	1.54
24	d	301	CLA	C4D-ND	-3.22	1.33	1.37
24	f	604	CLA	C4D-ND	-3.22	1.33	1.37
24	h	304	CLA	C1D-ND	3.22	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	c	616	II0	C33-C35	3.22	1.52	1.45
27	F	205	WVN	C26-C22	-3.22	1.31	1.35
33	b	318	II0	C05-C03	3.22	1.64	1.54
24	B	821	CLA	C1D-ND	3.22	1.41	1.37
33	c	616	II0	C12-C14	-3.22	1.46	1.51
27	B	847	WVN	C36-C32	-3.22	1.31	1.35
33	g	317	II0	C05-C03	3.22	1.64	1.54
33	d	314	II0	C12-C14	-3.22	1.46	1.51
33	O	202	II0	C05-C03	3.22	1.64	1.54
24	A	833	CLA	C1D-ND	3.21	1.41	1.37
24	j	314	CLA	C1D-ND	3.21	1.41	1.37
24	a	308	CLA	C1D-ND	3.21	1.41	1.37
24	A	827	CLA	CHC-C1C	3.21	1.43	1.35
24	e	602	CLA	C4D-ND	-3.21	1.33	1.37
35	f	611	KC2	CHC-C1C	3.21	1.46	1.39
27	J	101	WVN	C19-C22	3.21	1.52	1.45
24	A	811	CLA	C4D-ND	-3.21	1.33	1.37
24	A	821	CLA	C4D-ND	-3.21	1.33	1.37
33	e	614	II0	C12-C14	-3.21	1.46	1.51
24	J	105	CLA	CHC-C1C	3.21	1.43	1.35
27	B	846	WVN	C33-C34	3.21	1.52	1.45
27	I	101	WVN	C26-C22	-3.21	1.31	1.35
24	A	833	CLA	CMB-C2B	-3.21	1.45	1.51
24	f	609	CLA	C1D-ND	3.20	1.41	1.37
33	k	617	II0	C12-C14	-3.20	1.46	1.51
27	A	848	WVN	C26-C22	-3.20	1.31	1.35
27	F	205	WVN	C31-C32	3.20	1.52	1.45
27	j	301	WVN	C31-C32	3.20	1.52	1.45
24	k	609	CLA	C1D-ND	3.20	1.41	1.37
24	g	302	CLA	C1D-ND	3.20	1.41	1.37
27	e	615	WVN	C33-C34	3.20	1.52	1.45
33	i	613	II0	C05-C03	3.20	1.64	1.54
27	A	850	WVN	C26-C22	-3.20	1.31	1.35
35	j	312	KC2	C1B-NB	-3.20	1.33	1.37
33	c	613	II0	C05-C03	3.19	1.64	1.54
24	B	811	CLA	C1D-ND	3.19	1.41	1.37
24	A	828	CLA	C4D-ND	-3.19	1.33	1.37
27	J	101	WVN	C30-C28	3.19	1.53	1.43
35	c	610	KC2	CHB-C4A	3.19	1.46	1.39
24	h	305	CLA	C4D-ND	-3.19	1.33	1.37
24	k	608	CLA	C4D-ND	-3.19	1.33	1.37
24	a	302	CLA	C1D-ND	3.19	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	a	305	CLA	C1D-ND	3.19	1.41	1.37
24	L	203	CLA	C1D-ND	3.19	1.41	1.37
27	A	849	WVN	C36-C32	-3.18	1.31	1.35
24	k	604	CLA	C4D-ND	-3.18	1.33	1.37
27	J	101	WVN	C37-C34	-3.18	1.31	1.35
35	d	310	KC2	C4D-CHA	3.18	1.49	1.45
24	B	828	CLA	C4D-ND	-3.18	1.33	1.37
27	h	308	WVN	C37-C34	-3.18	1.31	1.35
24	f	603	CLA	C4D-ND	-3.18	1.33	1.37
24	j	302	CLA	C4D-ND	-3.18	1.33	1.37
27	B	846	WVN	C37-C34	-3.18	1.31	1.35
33	a	314	II0	C33-C35	3.18	1.52	1.45
27	A	848	WVN	C23-C25	3.17	1.52	1.45
24	L	207	CLA	C4D-ND	-3.17	1.33	1.37
24	A	807	CLA	C1D-ND	3.17	1.41	1.37
24	B	836	CLA	C1D-ND	3.17	1.41	1.37
24	A	841	CLA	C1D-ND	3.17	1.41	1.37
24	A	836	CLA	C1D-ND	3.17	1.41	1.37
24	A	837	CLA	C4D-ND	-3.17	1.33	1.37
27	h	308	WVN	C29-C26	3.17	1.53	1.43
27	K	103	WVN	C23-C25	3.17	1.52	1.45
24	j	310	CLA	C4D-ND	-3.17	1.33	1.37
27	I	101	WVN	C29-C26	3.17	1.53	1.43
33	h	311	II0	C05-C03	3.17	1.64	1.54
35	c	610	KC2	C1B-NB	-3.17	1.33	1.37
24	A	803	CLA	C4D-ND	-3.16	1.33	1.37
27	h	308	WVN	C26-C22	-3.16	1.31	1.35
24	k	609	CLA	CMA-C3A	-3.16	1.46	1.53
33	J	104	II0	C34-C36	3.16	1.52	1.45
33	k	616	II0	C05-C03	3.16	1.64	1.54
24	f	612	CLA	C4D-ND	-3.16	1.33	1.37
24	b	309	CLA	CHC-C1C	3.16	1.43	1.35
33	J	104	II0	C33-C35	3.16	1.52	1.45
24	d	302	CLA	CHC-C1C	3.16	1.43	1.35
27	h	308	WVN	C33-C34	3.16	1.52	1.45
33	j	318	II0	C33-C35	3.15	1.52	1.45
24	g	308	CLA	C4D-ND	-3.15	1.33	1.37
24	B	820	CLA	C1D-ND	3.15	1.41	1.37
24	B	834	CLA	C1D-ND	3.15	1.41	1.37
27	F	205	WVN	C29-C26	3.15	1.53	1.43
24	g	303	CLA	C1D-ND	3.15	1.41	1.37
27	F	205	WVN	C40-C37	3.15	1.53	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	h	307	CLA	CHC-C1C	3.15	1.43	1.35
24	e	604	CLA	C4D-ND	-3.15	1.33	1.37
27	B	848	WVN	C31-C32	3.15	1.52	1.45
24	e	601	CLA	CHC-C1C	3.15	1.43	1.35
33	d	314	II0	C34-C36	3.15	1.52	1.45
24	B	828	CLA	C1D-ND	3.15	1.41	1.37
35	j	312	KC2	C4D-CHA	3.15	1.49	1.45
24	b	304	CLA	C1D-ND	3.15	1.41	1.37
27	L	205	WVN	C26-C22	-3.14	1.31	1.35
35	e	609	KC2	C1B-NB	-3.14	1.33	1.37
35	i	616	KC2	CHC-C1C	3.14	1.46	1.39
33	i	612	II0	C34-C36	3.14	1.52	1.45
27	J	101	WVN	C31-C32	3.14	1.52	1.45
27	R	201	WVN	C31-C32	3.14	1.52	1.45
27	B	849	WVN	C29-C26	3.14	1.53	1.43
27	A	846	WVN	C30-C28	3.14	1.53	1.43
33	g	318	II0	C34-C36	3.14	1.52	1.45
24	B	837	CLA	C1D-ND	3.14	1.41	1.37
24	B	841	CLA	C1D-ND	3.13	1.41	1.37
24	I	102	CLA	C4D-ND	-3.13	1.33	1.37
24	A	840	CLA	C4D-ND	-3.13	1.33	1.37
24	A	834	CLA	C1D-ND	3.13	1.41	1.37
27	A	847	WVN	C29-C26	3.13	1.53	1.43
35	k	611	KC2	C4D-CHA	3.13	1.48	1.45
24	A	817	CLA	C1D-ND	3.13	1.41	1.37
27	R	201	WVN	C28-C25	-3.13	1.31	1.35
33	g	317	II0	C34-C36	3.12	1.52	1.45
24	d	305	CLA	C4D-ND	-3.12	1.33	1.37
27	j	301	WVN	C39-C36	3.12	1.53	1.43
24	B	807	CLA	C4D-ND	-3.12	1.33	1.37
33	b	318	II0	C34-C36	3.12	1.52	1.45
24	a	302	CLA	C4D-ND	-3.12	1.33	1.37
24	j	307	CLA	C4D-ND	-3.12	1.33	1.37
24	B	817	CLA	C1D-ND	3.12	1.41	1.37
27	B	849	WVN	C19-C22	3.11	1.52	1.45
24	O	201	CLA	CHC-C1C	3.11	1.42	1.35
24	c	608	CLA	CHC-C1C	3.11	1.42	1.35
27	F	204	WVN	C36-C32	-3.11	1.31	1.35
24	f	613	CLA	CHC-C1C	3.11	1.42	1.35
27	I	101	WVN	C33-C34	3.11	1.52	1.45
24	B	809	CLA	CMB-C2B	-3.11	1.45	1.51
33	g	316	II0	C33-C35	3.11	1.52	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	807	CLA	C1D-ND	3.11	1.41	1.37
35	k	613	KC2	C1B-NB	-3.11	1.34	1.37
27	B	849	WVN	C39-C36	3.11	1.53	1.43
27	B	849	WVN	C30-C28	3.11	1.53	1.43
31	B	844	LMU	O5'-C1'	3.11	1.49	1.41
27	I	101	WVN	C19-C22	3.11	1.52	1.45
27	B	849	WVN	C37-C34	-3.11	1.31	1.35
35	i	609	KC2	CHB-C4A	3.11	1.46	1.39
27	L	205	WVN	C37-C34	-3.11	1.31	1.35
33	d	314	II0	C33-C35	3.11	1.52	1.45
24	B	826	CLA	C1D-ND	3.10	1.41	1.37
27	J	102	WVN	C23-C25	3.10	1.52	1.45
24	g	309	CLA	C4D-ND	-3.10	1.33	1.37
24	A	840	CLA	C1D-ND	3.10	1.41	1.37
35	f	611	KC2	C1B-NB	-3.10	1.34	1.37
27	R	201	WVN	C33-C34	3.10	1.52	1.45
33	g	320	II0	C33-C35	3.10	1.52	1.45
27	I	101	WVN	C39-C36	3.10	1.53	1.43
27	L	205	WVN	C29-C26	3.10	1.53	1.43
24	K	102	CLA	C4D-ND	-3.10	1.33	1.37
33	i	612	II0	C12-C14	-3.10	1.46	1.51
24	e	607	CLA	C1D-ND	3.10	1.41	1.37
24	a	305	CLA	CHC-C1C	3.09	1.42	1.35
24	A	829	CLA	C1D-ND	3.09	1.41	1.37
28	A	851	LMT	O3'-C3'	-3.09	1.35	1.43
24	d	307	CLA	C4D-ND	-3.09	1.33	1.37
27	R	202	WVN	C23-C25	3.09	1.52	1.45
33	O	202	II0	C33-C35	3.09	1.52	1.45
33	a	315	II0	C12-C14	-3.09	1.46	1.51
24	k	614	CLA	C4D-ND	-3.09	1.33	1.37
24	d	308	CLA	C4D-ND	-3.09	1.33	1.37
24	A	804	CLA	C4D-ND	-3.08	1.33	1.37
24	j	313	CLA	MG-NA	3.08	2.13	2.06
24	c	604	CLA	C4D-ND	-3.08	1.33	1.37
24	A	855	CLA	CMB-C2B	-3.08	1.45	1.51
27	A	848	WVN	C30-C28	3.08	1.53	1.43
27	h	308	WVN	C39-C36	3.08	1.53	1.43
24	e	611	CLA	C4D-ND	-3.08	1.33	1.37
24	B	808	CLA	C1D-ND	3.08	1.41	1.37
24	B	833	CLA	C1D-ND	3.08	1.41	1.37
24	B	819	CLA	CHC-C1C	3.08	1.42	1.35
27	A	848	WVN	C28-C25	-3.08	1.31	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	A	855	CLA	C1D-ND	3.08	1.41	1.37
24	i	605	CLA	C4D-ND	-3.08	1.33	1.37
35	c	610	KC2	CHC-C1C	3.08	1.46	1.39
27	R	201	WVN	C29-C26	3.07	1.53	1.43
24	F	202	CLA	C4D-ND	-3.07	1.33	1.37
24	g	307	CLA	C4D-ND	-3.07	1.33	1.37
35	e	609	KC2	CHC-C1C	3.07	1.46	1.39
24	f	613	CLA	C4D-ND	-3.07	1.33	1.37
27	h	308	WVN	C30-C28	3.07	1.53	1.43
24	a	310	CLA	C4D-ND	-3.07	1.33	1.37
24	i	606	CLA	C4D-ND	-3.07	1.33	1.37
27	e	615	WVN	C39-C36	3.07	1.53	1.43
24	f	608	CLA	CHC-C1C	3.07	1.42	1.35
27	L	205	WVN	C31-C32	3.07	1.52	1.45
35	g	312	KC2	CHB-C4A	3.07	1.46	1.39
24	c	611	CLA	C4D-ND	-3.07	1.33	1.37
24	A	830	CLA	CHC-C1C	3.07	1.42	1.35
27	I	101	WVN	C28-C25	-3.06	1.31	1.35
24	b	311	CLA	C4D-ND	-3.06	1.33	1.37
24	i	608	CLA	C4D-ND	-3.06	1.33	1.37
35	g	313	KC2	CHB-C4A	3.06	1.46	1.39
27	J	102	WVN	C19-C22	3.06	1.52	1.45
27	j	301	WVN	C37-C34	-3.06	1.31	1.35
27	A	846	WVN	C29-C26	3.06	1.52	1.43
24	k	606	CLA	CHC-C1C	3.06	1.42	1.35
24	B	811	CLA	C3B-C2B	-3.06	1.36	1.40
33	b	318	II0	C33-C35	3.06	1.52	1.45
27	B	848	WVN	C19-C22	3.06	1.52	1.45
24	k	609	CLA	C4D-ND	-3.06	1.33	1.37
27	j	301	WVN	C29-C26	3.05	1.52	1.43
27	A	850	WVN	C39-C36	3.05	1.52	1.43
33	g	318	II0	C33-C35	3.05	1.52	1.45
27	F	205	WVN	C19-C22	3.05	1.52	1.45
35	f	611	KC2	C4D-CHA	3.05	1.48	1.45
24	B	817	CLA	CMB-C2B	-3.05	1.45	1.51
24	B	818	CLA	CMB-C2B	-3.05	1.45	1.51
24	A	828	CLA	CHC-C1C	3.05	1.42	1.35
27	B	846	WVN	C23-C25	3.05	1.52	1.45
33	J	104	II0	C05-C03	3.05	1.64	1.54
24	B	825	CLA	CHC-C1C	3.05	1.42	1.35
24	c	603	CLA	CHC-C1C	3.05	1.42	1.35
24	i	607	CLA	C4D-ND	-3.04	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	i	611	CLA	C4D-ND	-3.04	1.33	1.37
33	e	612	II0	C33-C35	3.04	1.52	1.45
34	g	319	IHT	C32-C33	3.04	1.52	1.45
24	c	604	CLA	CHC-C1C	3.04	1.42	1.35
24	B	821	CLA	CHC-C1C	3.04	1.42	1.35
24	b	310	CLA	C4D-ND	-3.04	1.33	1.37
24	e	601	CLA	C4D-ND	-3.04	1.33	1.37
24	A	817	CLA	CHC-C1C	3.04	1.42	1.35
24	A	840	CLA	CHC-C1C	3.03	1.42	1.35
24	b	310	CLA	CHC-C1C	3.03	1.42	1.35
24	B	811	CLA	CHC-C1C	3.03	1.42	1.35
24	b	308	CLA	C1D-ND	3.03	1.41	1.37
35	d	311	KC2	C3C-C4C	3.03	1.50	1.44
24	I	102	CLA	CHC-C1C	3.03	1.42	1.35
24	a	311	CLA	CMD-C2D	-3.03	1.44	1.50
24	j	310	CLA	CHC-C1C	3.03	1.42	1.35
24	J	103	CLA	CHC-C1C	3.03	1.42	1.35
27	A	850	WVN	C19-C22	3.03	1.52	1.45
27	R	202	WVN	C31-C32	3.03	1.52	1.45
33	j	315	II0	C33-C35	3.02	1.52	1.45
35	k	611	KC2	CHC-C1C	3.02	1.46	1.39
27	J	101	WVN	C39-C36	3.02	1.52	1.43
27	h	308	WVN	C36-C32	-3.02	1.31	1.35
24	b	304	CLA	CHC-C1C	3.02	1.42	1.35
27	B	846	WVN	C30-C28	3.02	1.52	1.43
27	A	846	WVN	C23-C25	3.02	1.52	1.45
24	k	602	CLA	CHC-C1C	3.02	1.42	1.35
27	B	849	WVN	C40-C37	3.02	1.52	1.43
24	B	813	CLA	C1D-ND	3.02	1.41	1.37
27	J	101	WVN	C29-C26	3.02	1.52	1.43
27	j	301	WVN	C19-C22	3.01	1.52	1.45
27	h	308	WVN	C40-C37	3.01	1.52	1.43
24	B	833	CLA	CHC-C1C	3.01	1.42	1.35
33	g	317	II0	C33-C35	3.01	1.52	1.45
35	e	609	KC2	C4D-CHA	3.01	1.48	1.45
27	R	201	WVN	C30-C28	3.01	1.52	1.43
27	B	848	WVN	C23-C25	3.01	1.52	1.45
24	c	601	CLA	CHC-C1C	3.01	1.42	1.35
24	f	610	CLA	C4D-ND	-3.01	1.33	1.37
27	F	205	WVN	C39-C36	3.01	1.52	1.43
24	c	605	CLA	C4D-ND	-3.01	1.33	1.37
24	g	304	CLA	CHC-C1C	3.01	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	A	853	CLA	CHC-C1C	3.01	1.42	1.35
27	L	205	WVN	C28-C25	-3.01	1.31	1.35
24	B	808	CLA	CMB-C2B	-3.01	1.45	1.51
24	g	305	CLA	C1D-ND	3.00	1.41	1.37
24	b	307	CLA	CHC-C1C	3.00	1.42	1.35
27	I	101	WVN	C40-C37	3.00	1.52	1.43
24	A	830	CLA	CMB-C2B	-3.00	1.45	1.51
24	e	611	CLA	CHC-C1C	3.00	1.42	1.35
24	j	311	CLA	C4D-ND	-3.00	1.33	1.37
27	A	846	WVN	C40-C37	3.00	1.52	1.43
33	h	310	II0	C33-C35	3.00	1.52	1.45
27	B	847	WVN	C40-C37	3.00	1.52	1.43
24	i	605	CLA	CHC-C1C	3.00	1.42	1.35
24	I	102	CLA	CMB-C2B	-3.00	1.45	1.51
33	k	621	II0	C12-C14	-3.00	1.46	1.51
27	B	847	WVN	C30-C28	3.00	1.52	1.43
24	c	609	CLA	C4D-ND	-3.00	1.33	1.37
24	i	603	CLA	C4D-ND	-3.00	1.33	1.37
27	A	848	WVN	C33-C34	2.99	1.52	1.45
24	c	609	CLA	CHC-C1C	2.99	1.42	1.35
24	B	812	CLA	CHC-C1C	2.99	1.42	1.35
24	h	305	CLA	CHC-C1C	2.99	1.42	1.35
24	i	602	CLA	CHC-C1C	2.99	1.42	1.35
35	k	613	KC2	CHB-C4A	2.99	1.46	1.39
27	L	205	WVN	C40-C37	2.99	1.52	1.43
27	F	204	WVN	C29-C26	2.99	1.52	1.43
27	J	101	WVN	C40-C37	2.99	1.52	1.43
24	B	810	CLA	CHC-C1C	2.98	1.42	1.35
24	O	205	CLA	CMB-C2B	-2.98	1.45	1.51
24	e	608	CLA	CHC-C1C	2.98	1.42	1.35
27	A	849	WVN	C37-C34	-2.98	1.31	1.35
27	F	204	WVN	C26-C22	-2.98	1.31	1.35
24	b	311	CLA	CHC-C1C	2.98	1.42	1.35
35	g	314	KC2	CHC-C1C	2.97	1.46	1.39
24	B	814	CLA	C4D-ND	-2.97	1.33	1.37
24	B	805	CLA	C1D-ND	2.97	1.41	1.37
24	A	838	CLA	C4D-ND	-2.97	1.33	1.37
33	h	311	II0	C34-C36	2.97	1.52	1.45
33	d	313	II0	C33-C35	2.97	1.52	1.45
24	d	309	CLA	CHC-C1C	2.97	1.42	1.35
24	B	804	CLA	CHC-C1C	2.97	1.42	1.35
24	K	101	CLA	CHC-C1C	2.97	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	i	604	CLA	C4D-ND	-2.97	1.33	1.37
24	f	602	CLA	CHC-C1C	2.97	1.42	1.35
24	A	855	CLA	C3B-C2B	-2.97	1.36	1.40
33	b	315	II0	C05-C03	2.97	1.64	1.54
24	k	601	CLA	C4D-ND	-2.96	1.33	1.37
27	e	615	WVN	C26-C22	-2.96	1.31	1.35
24	A	852	CLA	CMB-C2B	-2.96	1.45	1.51
24	e	603	CLA	CHC-C1C	2.96	1.42	1.35
24	d	302	CLA	C4D-ND	-2.96	1.33	1.37
24	g	302	CLA	CHC-C1C	2.96	1.42	1.35
24	B	827	CLA	CMB-C2B	-2.96	1.45	1.51
24	g	306	CLA	CHC-C1C	2.96	1.42	1.35
24	g	311	CLA	CHC-C1C	2.96	1.42	1.35
24	B	815	CLA	CHC-C1C	2.96	1.42	1.35
24	h	301	CLA	C4D-ND	-2.96	1.33	1.37
27	R	201	WVN	C26-C22	-2.96	1.31	1.35
24	g	308	CLA	C1D-ND	2.96	1.41	1.37
24	d	309	CLA	C4D-ND	-2.96	1.33	1.37
24	g	302	CLA	C4D-ND	-2.96	1.33	1.37
24	A	835	CLA	CMB-C2B	-2.95	1.45	1.51
27	A	846	WVN	C26-C22	-2.95	1.31	1.35
27	e	615	WVN	C37-C34	-2.95	1.31	1.35
35	j	312	KC2	CHB-C4A	2.95	1.46	1.39
27	A	847	WVN	C26-C22	-2.95	1.31	1.35
24	c	601	CLA	C4D-ND	-2.95	1.33	1.37
27	B	848	WVN	C37-C34	-2.95	1.31	1.35
27	A	847	WVN	C36-C32	-2.95	1.31	1.35
24	c	612	CLA	C4D-ND	-2.95	1.33	1.37
24	f	601	CLA	C4D-ND	-2.95	1.33	1.37
27	L	201	WVN	C33-C34	2.95	1.52	1.45
27	J	102	WVN	C37-C34	-2.95	1.31	1.35
24	B	840	CLA	C1D-ND	2.95	1.41	1.37
27	A	846	WVN	C39-C36	2.95	1.52	1.43
27	K	103	WVN	C33-C34	2.95	1.52	1.45
24	B	837	CLA	C4D-ND	-2.94	1.33	1.37
27	L	206	WVN	C39-C36	2.94	1.52	1.43
24	A	810	CLA	C1D-ND	2.94	1.41	1.37
24	A	812	CLA	CHC-C1C	2.94	1.42	1.35
24	A	807	CLA	CHC-C1C	2.94	1.42	1.35
27	B	846	WVN	C28-C25	-2.94	1.31	1.35
27	e	615	WVN	C30-C28	2.94	1.52	1.43
27	B	847	WVN	C37-C34	-2.94	1.31	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	f	618	II0	C33-C35	2.94	1.52	1.45
27	R	201	WVN	C23-C25	2.94	1.52	1.45
24	A	821	CLA	CHC-C1C	2.94	1.42	1.35
27	I	101	WVN	C23-C25	2.94	1.52	1.45
24	j	305	CLA	C4D-ND	-2.94	1.33	1.37
28	F	203	LMT	O3'-C3'	-2.94	1.36	1.43
24	i	610	CLA	CHC-C1C	2.94	1.42	1.35
27	F	204	WVN	C40-C37	2.94	1.52	1.43
27	e	615	WVN	C40-C37	2.94	1.52	1.43
27	j	301	WVN	C40-C37	2.94	1.52	1.43
24	h	312	CLA	C4D-ND	-2.94	1.33	1.37
35	d	310	KC2	CHC-C1C	2.94	1.45	1.39
24	B	822	CLA	CMB-C2B	-2.94	1.45	1.51
27	L	205	WVN	C33-C34	2.94	1.52	1.45
27	J	102	WVN	C30-C28	2.94	1.52	1.43
24	A	834	CLA	CHC-C1C	2.94	1.42	1.35
27	F	204	WVN	C39-C36	2.93	1.52	1.43
24	A	818	CLA	CHC-C1C	2.93	1.42	1.35
33	i	612	II0	C33-C35	2.93	1.52	1.45
27	j	301	WVN	C36-C32	-2.93	1.31	1.35
27	I	101	WVN	C30-C28	2.93	1.52	1.43
24	k	603	CLA	CHC-C1C	2.93	1.42	1.35
27	B	849	WVN	C36-C32	-2.93	1.31	1.35
27	R	201	WVN	C19-C22	2.93	1.52	1.45
27	L	205	WVN	C39-C36	2.93	1.52	1.43
24	B	806	CLA	CHC-C1C	2.93	1.42	1.35
24	a	312	CLA	CHC-C1C	2.93	1.42	1.35
24	c	612	CLA	CHC-C1C	2.93	1.42	1.35
27	B	848	WVN	C29-C26	2.92	1.52	1.43
24	d	306	CLA	C4D-ND	-2.92	1.33	1.37
27	M	101	WVN	C29-C26	2.92	1.52	1.43
35	d	311	KC2	CHC-C1C	2.92	1.45	1.39
24	b	306	CLA	CMB-C2B	-2.92	1.45	1.51
24	j	303	CLA	CHC-C1C	2.92	1.42	1.35
27	B	849	WVN	C31-C32	2.92	1.52	1.45
24	B	810	CLA	CMB-C2B	-2.92	1.45	1.51
27	B	848	WVN	C40-C37	2.92	1.52	1.43
24	B	822	CLA	CHC-C1C	2.92	1.42	1.35
24	a	311	CLA	MG-ND	-2.92	2.00	2.05
24	j	309	CLA	CHC-C1C	2.91	1.42	1.35
24	a	304	CLA	CHC-C1C	2.91	1.42	1.35
24	B	841	CLA	CHC-C1C	2.91	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	J	102	WVN	C40-C37	2.91	1.52	1.43
27	B	847	WVN	C26-C22	-2.91	1.31	1.35
24	L	207	CLA	CHC-C1C	2.91	1.42	1.35
27	A	848	WVN	C40-C37	2.91	1.52	1.43
27	A	848	WVN	C31-C32	2.91	1.52	1.45
27	J	102	WVN	C26-C22	-2.91	1.31	1.35
24	i	611	CLA	CHC-C1C	2.91	1.42	1.35
24	B	840	CLA	CHC-C1C	2.91	1.42	1.35
27	A	849	WVN	C23-C25	2.91	1.52	1.45
27	A	849	WVN	C40-C37	2.91	1.52	1.43
24	d	304	CLA	C4D-ND	-2.91	1.33	1.37
27	A	847	WVN	C40-C37	2.91	1.52	1.43
24	B	832	CLA	C1D-ND	2.90	1.41	1.37
24	k	614	CLA	CHC-C1C	2.90	1.42	1.35
27	J	101	WVN	C02-C11	2.90	1.54	1.50
24	i	603	CLA	CHC-C1C	2.90	1.42	1.35
27	B	849	WVN	C26-C22	-2.90	1.31	1.35
24	A	811	CLA	CHC-C1C	2.90	1.42	1.35
24	g	303	CLA	CHC-C1C	2.90	1.42	1.35
24	j	302	CLA	CMB-C2B	-2.90	1.45	1.51
27	M	101	WVN	C39-C36	2.90	1.52	1.43
33	h	311	II0	C33-C35	2.90	1.52	1.45
24	h	307	CLA	C4D-ND	-2.90	1.33	1.37
35	g	312	KC2	C3C-C4C	2.90	1.50	1.44
24	h	312	CLA	CMB-C2B	-2.90	1.45	1.51
24	h	306	CLA	CHC-C1C	2.90	1.42	1.35
24	d	304	CLA	CHC-C1C	2.90	1.42	1.35
24	k	605	CLA	C4D-ND	-2.90	1.33	1.37
33	j	315	II0	C34-C36	2.90	1.52	1.45
24	L	202	CLA	C4D-ND	-2.89	1.33	1.37
24	d	301	CLA	CHC-C1C	2.89	1.42	1.35
27	M	101	WVN	C30-C28	2.89	1.52	1.43
24	L	202	CLA	CMB-C2B	-2.89	1.45	1.51
27	h	308	WVN	C28-C25	-2.89	1.31	1.35
27	A	850	WVN	C40-C37	2.89	1.52	1.43
24	k	608	CLA	CHC-C1C	2.89	1.42	1.35
24	A	830	CLA	C1D-ND	2.89	1.41	1.37
27	I	101	WVN	C36-C32	-2.89	1.31	1.35
33	c	613	II0	C33-C35	2.89	1.52	1.45
27	K	103	WVN	C31-C32	2.89	1.52	1.45
27	A	849	WVN	C39-C36	2.89	1.52	1.43
27	R	202	WVN	C30-C28	2.89	1.52	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	e	602	CLA	CHC-C1C	2.89	1.42	1.35
24	A	809	CLA	CMB-C2B	-2.89	1.45	1.51
24	A	806	CLA	CHC-C1C	2.89	1.42	1.35
24	L	203	CLA	CHC-C1C	2.88	1.42	1.35
27	B	848	WVN	C39-C36	2.88	1.52	1.43
24	J	105	CLA	CMD-C2D	-2.88	1.44	1.50
35	k	612	KC2	C1D-CHD	2.88	1.49	1.41
24	b	303	CLA	C4D-ND	-2.88	1.33	1.37
24	A	819	CLA	CMB-C2B	-2.88	1.45	1.51
24	A	807	CLA	CMB-C2B	-2.87	1.45	1.51
24	I	102	CLA	C3B-C2B	-2.87	1.36	1.40
24	g	309	CLA	CHC-C1C	2.87	1.42	1.35
24	j	306	CLA	C4D-ND	-2.87	1.33	1.37
24	A	842	CLA	CHC-C1C	2.87	1.42	1.35
27	A	849	WVN	C28-C25	-2.87	1.32	1.35
24	B	816	CLA	CMB-C2B	-2.87	1.45	1.51
24	A	820	CLA	CHC-C1C	2.87	1.42	1.35
24	A	802	CLA	C1D-ND	2.87	1.41	1.37
24	A	822	CLA	CMB-C2B	-2.87	1.45	1.51
24	A	803	CLA	CHC-C1C	2.87	1.42	1.35
27	A	848	WVN	C39-C36	2.87	1.52	1.43
27	F	204	WVN	C31-C32	2.87	1.52	1.45
24	b	312	CLA	CHC-C1C	2.87	1.42	1.35
27	B	845	WVN	C30-C28	2.86	1.52	1.43
27	F	204	WVN	C19-C22	2.86	1.52	1.45
24	j	304	CLA	C4D-ND	-2.86	1.33	1.37
27	e	615	WVN	C36-C32	-2.86	1.32	1.35
24	j	314	CLA	CHC-C1C	2.86	1.42	1.35
35	i	609	KC2	C1B-NB	-2.86	1.34	1.37
27	B	847	WVN	C23-C25	2.86	1.52	1.45
24	a	303	CLA	CHC-C1C	2.86	1.42	1.35
33	f	616	II0	C33-C35	2.86	1.52	1.45
27	A	850	WVN	C30-C28	2.86	1.52	1.43
27	L	201	WVN	C39-C36	2.86	1.52	1.43
27	L	201	WVN	C30-C28	2.86	1.52	1.43
24	B	809	CLA	C1D-ND	2.86	1.41	1.37
24	A	856	CLA	CMB-C2B	-2.86	1.45	1.51
27	J	102	WVN	C29-C26	2.85	1.52	1.43
24	B	829	CLA	CMB-C2B	-2.85	1.45	1.51
24	A	835	CLA	C3B-C2B	-2.85	1.36	1.40
33	h	309	II0	C33-C35	2.85	1.52	1.45
27	M	101	WVN	C40-C37	2.85	1.52	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	M	101	WVN	C02-C11	2.85	1.54	1.50
33	f	614	II0	C33-C35	2.85	1.52	1.45
24	A	813	CLA	CHC-C1C	2.85	1.42	1.35
27	K	103	WVN	C30-C28	2.85	1.52	1.43
27	M	101	WVN	C31-C32	2.85	1.52	1.45
24	g	307	CLA	CHC-C1C	2.85	1.42	1.35
27	L	206	WVN	C30-C28	2.85	1.52	1.43
24	k	607	CLA	C4D-ND	-2.85	1.33	1.37
24	f	610	CLA	CHC-C1C	2.85	1.42	1.35
24	B	814	CLA	CMB-C2B	-2.85	1.45	1.51
24	A	817	CLA	CMB-C2B	-2.85	1.45	1.51
24	a	312	CLA	MG-NA	2.84	2.13	2.06
24	B	828	CLA	CHC-C1C	2.84	1.42	1.35
27	A	849	WVN	C31-C32	2.84	1.52	1.45
27	A	850	WVN	C29-C26	2.84	1.52	1.43
24	f	606	CLA	CMB-C2B	-2.84	1.45	1.51
24	e	610	CLA	CHC-C1C	2.84	1.42	1.35
33	c	613	II0	C12-C14	-2.84	1.46	1.51
24	A	856	CLA	C4D-ND	-2.84	1.33	1.37
27	A	850	WVN	C31-C32	2.84	1.52	1.45
24	i	604	CLA	CHC-C1C	2.84	1.42	1.35
24	c	607	CLA	CHC-C1C	2.84	1.42	1.35
24	f	601	CLA	CHC-C1C	2.84	1.42	1.35
27	A	848	WVN	C29-C26	2.84	1.52	1.43
24	h	304	CLA	CHC-C1C	2.84	1.42	1.35
35	d	310	KC2	C1B-NB	-2.83	1.34	1.37
27	A	847	WVN	C33-C34	2.83	1.52	1.45
33	e	616	II0	C33-C35	2.83	1.52	1.45
24	B	813	CLA	CHC-C1C	2.83	1.42	1.35
27	B	849	WVN	C23-C25	2.83	1.52	1.45
27	M	101	WVN	C19-C22	2.83	1.52	1.45
35	g	312	KC2	CHC-C1C	2.83	1.45	1.39
24	A	804	CLA	CHC-C1C	2.83	1.42	1.35
27	R	201	WVN	C39-C36	2.83	1.52	1.43
24	b	313	CLA	CHC-C1C	2.83	1.42	1.35
27	R	202	WVN	C29-C26	2.82	1.52	1.43
24	g	306	CLA	CMB-C2B	-2.82	1.45	1.51
24	f	603	CLA	CHC-C1C	2.82	1.42	1.35
24	g	310	CLA	CHC-C1C	2.82	1.42	1.35
24	a	309	CLA	CHC-C1C	2.82	1.42	1.35
27	B	847	WVN	C33-C34	2.82	1.52	1.45
24	B	839	CLA	CHC-C1C	2.82	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	i	607	CLA	CHC-C1C	2.82	1.42	1.35
24	A	820	CLA	C1D-ND	2.82	1.41	1.37
27	L	205	WVN	C19-C22	2.82	1.52	1.45
24	A	839	CLA	CMB-C2B	-2.82	1.45	1.51
35	g	312	KC2	C1D-CHD	2.82	1.48	1.41
27	L	206	WVN	C36-C32	-2.82	1.32	1.35
27	A	847	WVN	C31-C32	2.82	1.52	1.45
24	A	824	CLA	CHC-C1C	2.82	1.42	1.35
28	b	319	LMT	O3'-C3'	-2.82	1.36	1.43
24	f	609	CLA	CHC-C1C	2.82	1.42	1.35
33	e	614	II0	C33-C35	2.82	1.52	1.45
24	A	811	CLA	C3B-C2B	-2.82	1.36	1.40
35	j	312	KC2	CHC-C1C	2.81	1.45	1.39
27	j	301	WVN	C28-C25	-2.81	1.32	1.35
27	R	202	WVN	C33-C34	2.81	1.52	1.45
24	A	814	CLA	CHC-C1C	2.81	1.42	1.35
35	i	616	KC2	C4A-C3A	2.81	1.50	1.44
24	g	308	CLA	CHC-C1C	2.81	1.42	1.35
24	h	301	CLA	CHC-C1C	2.81	1.42	1.35
35	g	312	KC2	C1A-CHA	2.81	1.48	1.40
24	A	801	CLA	CHC-C1C	2.81	1.42	1.35
27	A	849	WVN	C19-C22	2.81	1.52	1.45
24	j	305	CLA	CHC-C1C	2.81	1.42	1.35
24	B	823	CLA	C1D-ND	2.81	1.41	1.37
24	R	203	CLA	CHC-C1C	2.81	1.42	1.35
33	e	613	II0	C33-C35	2.81	1.52	1.45
33	a	313	II0	C33-C35	2.80	1.52	1.45
24	g	315	CLA	CHC-C1C	2.80	1.42	1.35
24	B	831	CLA	CHC-C1C	2.80	1.42	1.35
27	B	847	WVN	C39-C36	2.80	1.52	1.43
24	b	305	CLA	CHC-C1C	2.80	1.42	1.35
27	K	103	WVN	C20-C13	2.80	1.55	1.45
27	A	850	WVN	C23-C25	2.80	1.52	1.45
24	B	838	CLA	CHC-C1C	2.80	1.42	1.35
27	R	201	WVN	C40-C37	2.80	1.52	1.43
27	F	204	WVN	C30-C28	2.80	1.52	1.43
24	j	307	CLA	CMB-C2B	-2.80	1.45	1.51
24	f	612	CLA	MG-NA	2.80	2.12	2.06
24	A	841	CLA	CMB-C2B	-2.79	1.45	1.51
24	k	609	CLA	CHC-C1C	2.79	1.42	1.35
24	B	834	CLA	CHC-C1C	2.79	1.42	1.35
35	i	609	KC2	CHC-C1C	2.79	1.45	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	832	CLA	CHC-C1C	2.79	1.42	1.35
27	F	204	WVN	C37-C34	-2.79	1.32	1.35
24	g	322	CLA	CHC-C1C	2.79	1.42	1.35
24	a	306	CLA	C4D-ND	-2.79	1.33	1.37
27	j	301	WVN	C02-C11	2.79	1.54	1.50
24	k	601	CLA	CMB-C2B	-2.79	1.45	1.51
24	B	827	CLA	C3B-C2B	-2.79	1.36	1.40
24	f	604	CLA	CHC-C1C	2.79	1.42	1.35
24	B	829	CLA	CHC-C1C	2.79	1.42	1.35
24	A	824	CLA	CMB-C2B	-2.79	1.45	1.51
24	A	855	CLA	CHC-C1C	2.79	1.42	1.35
24	d	312	CLA	C4D-ND	-2.79	1.33	1.37
24	a	307	CLA	CMB-C2B	-2.78	1.45	1.51
27	K	103	WVN	C40-C37	2.78	1.52	1.43
24	k	606	CLA	C1D-ND	2.78	1.41	1.37
24	B	808	CLA	C3B-C2B	-2.78	1.36	1.40
24	A	803	CLA	CMB-C2B	-2.78	1.45	1.51
24	f	605	CLA	CHC-C1C	2.78	1.42	1.35
24	j	304	CLA	CHC-C1C	2.78	1.42	1.35
24	B	830	CLA	CHC-C1C	2.78	1.42	1.35
24	A	801	CLA	C4D-ND	-2.78	1.33	1.37
24	B	824	CLA	CHC-C1C	2.77	1.42	1.35
35	g	314	KC2	C1B-NB	-2.77	1.34	1.37
24	L	204	CLA	CHC-C1C	2.77	1.42	1.35
27	L	206	WVN	C40-C37	2.77	1.52	1.43
33	k	616	II0	C33-C35	2.77	1.51	1.45
24	F	202	CLA	CHC-C1C	2.77	1.42	1.35
24	K	101	CLA	C1D-ND	2.77	1.41	1.37
27	B	845	WVN	C31-C32	2.77	1.51	1.45
24	A	835	CLA	CHC-C1C	2.77	1.42	1.35
24	e	606	CLA	CHC-C1C	2.77	1.42	1.35
24	A	821	CLA	C1D-ND	2.77	1.41	1.37
24	B	835	CLA	CMB-C2B	-2.77	1.45	1.51
27	R	202	WVN	C40-C37	2.77	1.52	1.43
27	A	847	WVN	C19-C22	2.76	1.51	1.45
24	i	610	CLA	C4D-ND	-2.76	1.33	1.37
27	M	101	WVN	C23-C25	2.76	1.51	1.45
24	B	838	CLA	CMB-C2B	-2.76	1.45	1.51
27	A	850	WVN	C33-C34	2.76	1.51	1.45
24	A	810	CLA	C3B-C2B	-2.76	1.36	1.40
24	e	604	CLA	CHC-C1C	2.76	1.42	1.35
24	a	306	CLA	CMB-C2B	-2.76	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	807	CLA	CHC-C1C	2.76	1.42	1.35
24	a	302	CLA	CHC-C1C	2.75	1.42	1.35
24	B	803	CLA	C1D-ND	2.75	1.41	1.37
27	L	201	WVN	C40-C37	2.75	1.52	1.43
24	k	606	CLA	C4D-ND	-2.75	1.33	1.37
24	A	809	CLA	CHC-C1C	2.75	1.42	1.35
24	e	607	CLA	CHC-C1C	2.75	1.42	1.35
24	d	306	CLA	CHC-C1C	2.75	1.42	1.35
24	A	822	CLA	CMD-C2D	-2.75	1.45	1.50
24	a	308	CLA	CHC-C1C	2.75	1.42	1.35
24	B	839	CLA	C3B-C2B	-2.74	1.36	1.40
35	k	611	KC2	C1B-NB	-2.74	1.34	1.37
24	h	312	CLA	CHC-C1C	2.74	1.42	1.35
24	b	312	CLA	CMB-C2B	-2.74	1.45	1.51
24	A	823	CLA	CMB-C2B	-2.74	1.45	1.51
24	B	809	CLA	CHC-C1C	2.74	1.42	1.35
24	B	826	CLA	CHC-C1C	2.74	1.42	1.35
27	R	202	WVN	C39-C36	2.74	1.51	1.43
24	B	823	CLA	CMD-C2D	-2.74	1.45	1.50
24	A	856	CLA	CHC-C1C	2.74	1.42	1.35
33	f	615	II0	C33-C35	2.74	1.51	1.45
33	c	614	II0	C33-C35	2.74	1.51	1.45
27	A	846	WVN	C36-C32	-2.74	1.32	1.35
27	A	846	WVN	C31-C32	2.73	1.51	1.45
24	e	608	CLA	C4D-ND	-2.73	1.33	1.37
24	B	837	CLA	CHC-C1C	2.73	1.42	1.35
24	B	816	CLA	CHC-C1C	2.73	1.42	1.35
24	k	610	CLA	CHC-C1C	2.73	1.42	1.35
24	A	810	CLA	CMB-C2B	-2.73	1.46	1.51
24	k	607	CLA	CHC-C1C	2.73	1.42	1.35
27	J	101	WVN	C36-C32	-2.73	1.32	1.35
27	j	301	WVN	C26-C22	-2.73	1.32	1.35
24	L	203	CLA	CMB-C2B	-2.73	1.46	1.51
24	d	312	CLA	CHC-C1C	2.73	1.42	1.35
27	B	846	WVN	C40-C37	2.73	1.51	1.43
27	B	849	WVN	C02-C11	2.72	1.54	1.50
24	d	307	CLA	CHC-C1C	2.72	1.41	1.35
24	b	309	CLA	CMB-C2B	-2.72	1.46	1.51
24	A	828	CLA	CMB-C2B	-2.72	1.46	1.51
24	B	803	CLA	CMD-C2D	-2.72	1.45	1.50
24	b	303	CLA	CMB-C2B	-2.72	1.46	1.51
24	A	832	CLA	CHC-C1C	2.72	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	L	206	WVN	C23-C25	2.71	1.51	1.45
24	A	805	CLA	CMB-C2B	-2.71	1.46	1.51
24	j	311	CLA	C3B-C2B	-2.71	1.36	1.40
24	R	203	CLA	CMB-C2B	-2.71	1.46	1.51
24	j	306	CLA	CHC-C1C	2.71	1.41	1.35
27	h	308	WVN	C19-C22	2.71	1.51	1.45
24	A	853	CLA	C1D-ND	2.70	1.41	1.37
24	h	304	CLA	CMB-C2B	-2.70	1.46	1.51
24	j	308	CLA	CMB-C2B	-2.70	1.46	1.51
24	g	307	CLA	CMB-C2B	-2.70	1.46	1.51
24	B	836	CLA	CMB-C2B	-2.70	1.46	1.51
24	A	829	CLA	CMB-C2B	-2.70	1.46	1.51
24	B	839	CLA	CMB-C2B	-2.70	1.46	1.51
35	c	610	KC2	C4D-CHA	2.70	1.48	1.45
24	A	822	CLA	CHC-C1C	2.70	1.41	1.35
24	A	829	CLA	CHC-C1C	2.70	1.41	1.35
27	B	846	WVN	C31-C32	2.70	1.51	1.45
27	K	103	WVN	C39-C36	2.70	1.51	1.43
24	h	306	CLA	C3B-C2B	-2.70	1.36	1.40
28	A	851	LMT	O4'-C4B	-2.70	1.36	1.43
27	B	845	WVN	C33-C34	2.70	1.51	1.45
24	B	829	CLA	C1D-ND	2.69	1.41	1.37
24	B	801	CLA	C1D-ND	2.69	1.41	1.37
24	a	307	CLA	C3B-C2B	-2.69	1.36	1.40
27	B	847	WVN	C29-C26	2.69	1.51	1.43
27	B	845	WVN	C40-C37	2.69	1.51	1.43
24	j	313	CLA	C4D-ND	-2.69	1.34	1.37
24	h	302	CLA	CMB-C2B	-2.69	1.46	1.51
27	K	103	WVN	C29-C26	2.69	1.51	1.43
24	j	308	CLA	C3B-C2B	-2.69	1.36	1.40
24	A	805	CLA	CHC-C1C	2.69	1.41	1.35
24	A	806	CLA	CMB-C2B	-2.69	1.46	1.51
24	c	606	CLA	CMB-C2B	-2.68	1.46	1.51
24	i	602	CLA	CMD-C2D	-2.68	1.45	1.50
24	A	831	CLA	CMB-C2B	-2.68	1.46	1.51
24	k	608	CLA	CMB-C2B	-2.68	1.46	1.51
24	e	603	CLA	C4D-ND	-2.68	1.34	1.37
34	c	615	IHT	C25-C23	2.68	1.56	1.50
24	k	604	CLA	CHC-C1C	2.68	1.41	1.35
27	B	846	WVN	C39-C36	2.68	1.51	1.43
24	B	817	CLA	CHC-C1C	2.68	1.41	1.35
34	b	317	IHT	C25-C23	2.68	1.56	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	b	307	CLA	C4D-ND	-2.68	1.34	1.37
24	B	803	CLA	CMB-C2B	-2.68	1.46	1.51
24	c	605	CLA	CHC-C1C	2.68	1.41	1.35
24	h	302	CLA	CHC-C1C	2.68	1.41	1.35
33	e	612	II0	C16-C03	2.68	1.59	1.53
27	A	849	WVN	C29-C26	2.67	1.51	1.43
24	A	833	CLA	CHC-C1C	2.67	1.41	1.35
35	k	612	KC2	CHC-C1C	2.67	1.45	1.39
24	b	308	CLA	CHC-C1C	2.67	1.41	1.35
24	e	611	CLA	CMB-C2B	-2.67	1.46	1.51
24	A	834	CLA	CMD-C2D	-2.67	1.45	1.50
27	e	615	WVN	C20-C13	2.67	1.54	1.45
24	f	612	CLA	CMB-C2B	-2.67	1.46	1.51
35	d	311	KC2	C4D-CHA	2.67	1.48	1.45
24	d	305	CLA	C3B-C2B	-2.67	1.36	1.40
24	e	602	CLA	CMB-C2B	-2.66	1.46	1.51
24	f	605	CLA	CMB-C2B	-2.66	1.46	1.51
27	B	847	WVN	C19-C22	2.66	1.51	1.45
24	B	826	CLA	CMB-C2B	-2.66	1.46	1.51
24	A	802	CLA	CHC-C1C	2.66	1.41	1.35
27	L	201	WVN	C29-C26	2.66	1.51	1.43
24	i	605	CLA	CMB-C2B	-2.66	1.46	1.51
24	L	202	CLA	CHC-C1C	2.66	1.41	1.35
24	c	605	CLA	CMB-C2B	-2.66	1.46	1.51
27	B	845	WVN	C29-C26	2.66	1.51	1.43
24	k	601	CLA	CHC-C1C	2.65	1.41	1.35
24	h	306	CLA	CMB-C2B	-2.65	1.46	1.51
24	B	838	CLA	C3B-C2B	-2.65	1.36	1.40
24	e	610	CLA	CMC-C2C	-2.65	1.45	1.50
27	M	101	WVN	C37-C34	-2.65	1.32	1.35
24	B	804	CLA	CMC-C2C	-2.65	1.45	1.50
24	A	811	CLA	CMB-C2B	-2.65	1.46	1.51
24	j	303	CLA	CMB-C2B	-2.65	1.46	1.51
24	B	820	CLA	CHC-C1C	2.64	1.41	1.35
24	A	837	CLA	CMB-C2B	-2.64	1.46	1.51
24	B	807	CLA	CMB-C2B	-2.64	1.46	1.51
35	i	609	KC2	C3C-C4C	2.64	1.50	1.44
24	a	308	CLA	CMB-C2B	-2.64	1.46	1.51
27	B	846	WVN	C29-C26	2.64	1.51	1.43
24	B	834	CLA	CMB-C2B	-2.64	1.46	1.51
24	A	825	CLA	CMD-C2D	-2.64	1.45	1.50
24	f	612	CLA	CHC-C1C	2.64	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	F	201	CLA	CHC-C1C	2.63	1.41	1.35
24	e	601	CLA	CMB-C2B	-2.63	1.46	1.51
24	i	606	CLA	CHC-C1C	2.63	1.41	1.35
24	A	836	CLA	CHC-C1C	2.63	1.41	1.35
24	a	307	CLA	CHC-C1C	2.63	1.41	1.35
24	k	610	CLA	C4D-ND	-2.63	1.34	1.37
24	h	301	CLA	CMB-C2B	-2.63	1.46	1.51
24	A	821	CLA	CMB-C2B	-2.63	1.46	1.51
28	A	851	LMT	O2B-C2B	-2.63	1.36	1.43
24	A	806	CLA	C3B-C2B	-2.63	1.36	1.40
27	J	102	WVN	C31-C32	2.63	1.51	1.45
24	h	303	CLA	CMD-C2D	-2.63	1.45	1.50
34	g	319	IHT	C25-C23	2.63	1.56	1.50
24	j	311	CLA	CHC-C1C	2.63	1.41	1.35
24	k	602	CLA	CMC-C2C	-2.63	1.45	1.50
24	B	823	CLA	CMB-C2B	-2.63	1.46	1.51
24	d	308	CLA	CHC-C1C	2.63	1.41	1.35
24	k	607	CLA	C3B-C2B	-2.63	1.36	1.40
34	k	618	IHT	C25-C23	2.63	1.56	1.50
24	f	602	CLA	CMB-C2B	-2.63	1.46	1.51
24	A	832	CLA	C3B-C2B	-2.63	1.36	1.40
24	A	805	CLA	CMD-C2D	-2.63	1.45	1.50
35	i	609	KC2	C1A-CHA	2.62	1.47	1.40
27	M	101	WVN	C33-C34	2.62	1.51	1.45
24	B	832	CLA	CMB-C2B	-2.62	1.46	1.51
35	c	610	KC2	C1D-CHD	2.62	1.48	1.41
24	e	605	CLA	C1D-ND	2.62	1.41	1.37
24	A	832	CLA	CMB-C2B	-2.62	1.46	1.51
24	A	815	CLA	CHC-C1C	2.62	1.41	1.35
24	b	304	CLA	CMB-C2B	-2.62	1.46	1.51
24	A	841	CLA	CHC-C1C	2.62	1.41	1.35
24	B	820	CLA	C3B-C2B	-2.62	1.36	1.40
24	B	835	CLA	CMD-C2D	-2.62	1.45	1.50
27	J	101	WVN	C23-C25	2.62	1.51	1.45
24	A	816	CLA	CHC-C1C	2.62	1.41	1.35
24	A	826	CLA	CMC-C2C	-2.61	1.45	1.50
24	B	815	CLA	CMC-C2C	-2.61	1.45	1.50
24	B	823	CLA	CHC-C1C	2.61	1.41	1.35
27	B	845	WVN	C39-C36	2.61	1.51	1.43
24	A	809	CLA	CMC-C2C	-2.61	1.45	1.50
24	B	824	CLA	CMB-C2B	-2.61	1.46	1.51
24	B	831	CLA	C3B-C2B	-2.61	1.36	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	A	853	CLA	CMB-C2B	-2.61	1.46	1.51
27	F	205	WVN	C37-C34	-2.61	1.32	1.35
24	i	601	CLA	CMB-C2B	-2.60	1.46	1.51
35	g	313	KC2	C1D-CHD	2.60	1.48	1.41
24	A	852	CLA	CHC-C1C	2.60	1.41	1.35
27	J	102	WVN	C36-C32	-2.60	1.32	1.35
24	L	204	CLA	CMD-C2D	-2.60	1.45	1.50
24	f	607	CLA	CMB-C2B	-2.60	1.46	1.51
27	J	102	WVN	C02-C11	2.60	1.54	1.50
24	b	303	CLA	CHC-C1C	2.60	1.41	1.35
24	B	826	CLA	CMD-C2D	-2.60	1.45	1.50
24	L	204	CLA	C1D-ND	2.60	1.41	1.37
24	A	822	CLA	C1D-ND	2.60	1.41	1.37
24	A	842	CLA	CMB-C2B	-2.60	1.46	1.51
24	c	604	CLA	CMB-C2B	-2.60	1.46	1.51
35	k	613	KC2	C1D-CHD	2.60	1.48	1.41
24	A	813	CLA	MG-NC	2.60	2.12	2.06
24	j	309	CLA	CMB-C2B	-2.59	1.46	1.51
27	j	301	WVN	C20-C13	2.59	1.54	1.45
24	f	609	CLA	CMB-C2B	-2.59	1.46	1.51
24	A	827	CLA	C1D-ND	2.59	1.41	1.37
24	d	305	CLA	C4B-CHC	-2.59	1.33	1.41
24	h	303	CLA	CHC-C1C	2.59	1.41	1.35
24	A	804	CLA	CMB-C2B	-2.59	1.46	1.51
24	B	806	CLA	CMB-C2B	-2.59	1.46	1.51
24	j	302	CLA	CHC-C1C	2.59	1.41	1.35
24	d	306	CLA	C3B-C2B	-2.58	1.36	1.40
24	g	305	CLA	CMB-C2B	-2.58	1.46	1.51
27	R	202	WVN	C19-C22	2.58	1.51	1.45
27	F	205	WVN	C28-C25	-2.58	1.32	1.35
35	i	616	KC2	C1D-CHD	2.58	1.48	1.41
34	a	316	IHT	C25-C23	2.58	1.56	1.50
24	A	810	CLA	CHC-C1C	2.58	1.41	1.35
24	f	607	CLA	CHC-C1C	2.58	1.41	1.35
24	a	309	CLA	CMB-C2B	-2.58	1.46	1.51
24	k	607	CLA	CMB-C2B	-2.57	1.46	1.51
24	j	311	CLA	CMB-C2B	-2.57	1.46	1.51
33	j	316	II0	C33-C35	2.57	1.51	1.45
24	A	840	CLA	CMB-C2B	-2.57	1.46	1.51
24	B	805	CLA	CMB-C2B	-2.57	1.46	1.51
27	L	201	WVN	C31-C32	2.57	1.51	1.45
34	b	316	IHT	C25-C23	2.57	1.56	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	K	102	CLA	C3B-C2B	-2.57	1.36	1.40
24	A	826	CLA	CMB-C2B	-2.57	1.46	1.51
24	A	825	CLA	C1D-ND	2.57	1.40	1.37
34	j	317	IHT	C25-C23	2.57	1.56	1.50
24	B	821	CLA	CMB-C2B	-2.57	1.46	1.51
35	i	609	KC2	C1D-CHD	2.57	1.48	1.41
24	A	802	CLA	CMB-C2B	-2.57	1.46	1.51
24	B	830	CLA	CMB-C2B	-2.57	1.46	1.51
24	F	202	CLA	CMB-C2B	-2.56	1.46	1.51
24	e	610	CLA	CMB-C2B	-2.56	1.46	1.51
24	B	814	CLA	CHC-C1C	2.56	1.41	1.35
35	i	616	KC2	C1B-NB	-2.56	1.34	1.37
24	B	812	CLA	CMB-C2B	-2.56	1.46	1.51
24	c	602	CLA	CMB-C2B	-2.56	1.46	1.51
24	g	303	CLA	CMB-C2B	-2.56	1.46	1.51
24	B	827	CLA	CHC-C1C	2.56	1.41	1.35
24	j	313	CLA	CHC-C1C	2.56	1.41	1.35
27	L	205	WVN	C20-C13	2.56	1.54	1.45
24	B	808	CLA	CMD-C2D	-2.56	1.45	1.50
34	c	615	IHT	C18-C07	2.56	1.54	1.45
24	A	819	CLA	C3B-C2B	-2.56	1.36	1.40
24	i	608	CLA	CHC-C1C	2.56	1.41	1.35
24	a	312	CLA	C4D-ND	-2.56	1.34	1.37
24	B	829	CLA	C3B-C2B	-2.56	1.36	1.40
24	h	303	CLA	CMB-C2B	-2.56	1.46	1.51
34	O	203	IHT	C18-C07	2.56	1.54	1.45
27	L	206	WVN	C19-C22	2.56	1.51	1.45
33	k	615	IIO	C33-C35	2.56	1.51	1.45
24	B	804	CLA	CMB-C2B	-2.55	1.46	1.51
24	a	302	CLA	CMB-C2B	-2.55	1.46	1.51
24	f	610	CLA	CMB-C2B	-2.55	1.46	1.51
27	L	206	WVN	C29-C26	2.55	1.51	1.43
24	B	803	CLA	CHC-C1C	2.55	1.41	1.35
28	a	318	LMT	O2B-C2B	-2.55	1.37	1.43
24	F	201	CLA	CMB-C2B	-2.55	1.46	1.51
24	c	607	CLA	CMB-C2B	-2.55	1.46	1.51
27	A	847	WVN	C30-C28	2.55	1.51	1.43
24	e	605	CLA	CHC-C1C	2.55	1.41	1.35
35	j	312	KC2	C1D-CHD	2.55	1.48	1.41
34	k	618	IHT	C18-C07	2.55	1.54	1.45
24	B	835	CLA	CHC-C1C	2.54	1.41	1.35
27	L	206	WVN	C31-C32	2.54	1.51	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	801	CLA	CMB-C2B	-2.54	1.46	1.51
24	j	307	CLA	CHC-C1C	2.54	1.41	1.35
24	A	818	CLA	C3B-C2B	-2.54	1.36	1.40
24	e	605	CLA	CMB-C2B	-2.54	1.46	1.51
24	d	306	CLA	CMB-C2B	-2.54	1.46	1.51
34	b	316	IHT	C18-C07	2.54	1.54	1.45
24	B	804	CLA	C1D-ND	2.54	1.40	1.37
24	d	309	CLA	CMB-C2B	-2.54	1.46	1.51
24	g	310	CLA	CMB-C2B	-2.54	1.46	1.51
24	B	805	CLA	CHC-C1C	2.53	1.41	1.35
24	A	839	CLA	CHC-C1C	2.53	1.41	1.35
28	A	851	LMT	O2'-C2'	-2.53	1.37	1.43
27	A	848	WVN	C37-C34	-2.53	1.32	1.35
34	b	317	IHT	C18-C07	2.53	1.54	1.45
24	A	838	CLA	CMB-C2B	-2.53	1.46	1.51
27	A	847	WVN	C23-C25	2.53	1.51	1.45
35	i	616	KC2	C4D-CHA	2.53	1.48	1.45
24	A	812	CLA	CMB-C2B	-2.53	1.46	1.51
35	e	609	KC2	C1A-CHA	2.52	1.47	1.40
24	A	836	CLA	CMB-C2B	-2.52	1.46	1.51
24	d	312	CLA	CMB-C2B	-2.52	1.46	1.51
27	R	201	WVN	C20-C13	2.52	1.54	1.45
34	b	317	IHT	C20-C15	2.52	1.55	1.50
24	k	604	CLA	CMC-C2C	-2.52	1.45	1.50
35	d	310	KC2	C1D-CHD	2.52	1.48	1.41
24	A	817	CLA	C3B-C2B	-2.52	1.36	1.40
24	f	601	CLA	CMB-C2B	-2.52	1.46	1.51
24	B	813	CLA	CMB-C2B	-2.52	1.46	1.51
34	R	204	IHT	C18-C07	2.52	1.54	1.45
24	a	312	CLA	CMB-C2B	-2.52	1.46	1.51
24	i	608	CLA	CMB-C2B	-2.52	1.46	1.51
24	k	605	CLA	CHC-C1C	2.52	1.41	1.35
35	g	313	KC2	C1A-CHA	2.52	1.47	1.40
24	k	606	CLA	CMB-C2B	-2.52	1.46	1.51
24	a	309	CLA	CMD-C2D	-2.51	1.45	1.50
24	K	102	CLA	CMB-C2B	-2.51	1.46	1.51
24	j	310	CLA	CMB-C2B	-2.51	1.46	1.51
27	B	849	WVN	C20-C13	2.51	1.54	1.45
24	e	605	CLA	MG-ND	-2.51	2.00	2.05
27	A	848	WVN	C20-C13	2.51	1.54	1.45
24	k	610	CLA	CMB-C2B	-2.51	1.46	1.51
24	f	603	CLA	CMB-C2B	-2.51	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	O	201	CLA	CMD-C2D	-2.50	1.45	1.50
24	e	608	CLA	CMB-C2B	-2.50	1.46	1.51
24	d	303	CLA	C4B-CHC	-2.50	1.34	1.41
34	O	203	IHT	C25-C23	2.50	1.56	1.50
24	f	607	CLA	C3B-C2B	-2.50	1.36	1.40
24	a	311	CLA	C1D-ND	2.50	1.40	1.37
24	B	825	CLA	CMB-C2B	-2.50	1.46	1.51
24	B	838	CLA	CMD-C2D	-2.50	1.45	1.50
27	F	204	WVN	C33-C34	2.50	1.51	1.45
24	A	830	CLA	CMD-C2D	-2.50	1.45	1.50
34	O	203	IHT	C20-C15	2.50	1.55	1.50
27	B	845	WVN	C23-C25	2.50	1.51	1.45
24	c	606	CLA	CHC-C1C	2.50	1.41	1.35
24	b	313	CLA	CMB-C2B	-2.50	1.46	1.51
24	A	801	CLA	CMB-C2B	-2.50	1.46	1.51
24	k	606	CLA	CMD-C2D	-2.50	1.45	1.50
24	c	603	CLA	CMB-C2B	-2.50	1.46	1.51
24	a	304	CLA	CMB-C2B	-2.49	1.46	1.51
24	A	856	CLA	CMD-C2D	-2.49	1.45	1.50
27	J	101	WVN	C26-C22	-2.49	1.32	1.35
24	b	313	CLA	C3B-C2B	-2.49	1.36	1.40
34	f	617	IHT	C18-C07	2.49	1.53	1.45
24	A	838	CLA	CMD-C2D	-2.49	1.45	1.50
24	g	308	CLA	CMB-C2B	-2.49	1.46	1.51
24	B	833	CLA	CMB-C2B	-2.49	1.46	1.51
34	a	316	IHT	C18-C07	2.49	1.53	1.45
24	h	305	CLA	CMB-C2B	-2.49	1.46	1.51
27	A	849	WVN	C02-C11	2.49	1.54	1.50
24	B	827	CLA	C1D-ND	2.49	1.40	1.37
24	d	305	CLA	CMC-C2C	-2.48	1.45	1.50
24	B	828	CLA	CMB-C2B	-2.48	1.46	1.51
24	A	806	CLA	CMD-C2D	-2.48	1.45	1.50
24	A	833	CLA	C3B-C2B	-2.48	1.36	1.40
24	B	834	CLA	C3B-C2B	-2.48	1.36	1.40
24	K	102	CLA	CHC-C1C	2.48	1.41	1.35
24	j	308	CLA	CHC-C1C	2.48	1.41	1.35
35	k	613	KC2	C4D-CHA	2.48	1.48	1.45
24	A	816	CLA	CMB-C2B	-2.48	1.46	1.51
24	O	205	CLA	C3B-C2B	-2.48	1.36	1.40
24	a	305	CLA	CMB-C2B	-2.48	1.46	1.51
24	O	201	CLA	CMB-C2B	-2.48	1.46	1.51
24	g	315	CLA	CMB-C2B	-2.48	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	813	CLA	CMD-C2D	-2.47	1.45	1.50
24	h	301	CLA	CMC-C2C	-2.47	1.45	1.50
24	B	829	CLA	MG-ND	-2.47	2.00	2.05
24	j	306	CLA	CMB-C2B	-2.47	1.46	1.51
27	I	101	WVN	C20-C13	2.47	1.53	1.45
27	I	101	WVN	C37-C34	-2.47	1.32	1.35
24	k	602	CLA	CMB-C2B	-2.47	1.46	1.51
24	A	853	CLA	CMD-C2D	-2.47	1.45	1.50
35	k	613	KC2	C4B-NB	-2.47	1.34	1.37
35	g	314	KC2	C3C-C4C	2.47	1.49	1.44
24	B	830	CLA	CMD-C2D	-2.47	1.45	1.50
24	K	101	CLA	CMB-C2B	-2.47	1.46	1.51
24	c	601	CLA	CMB-C2B	-2.47	1.46	1.51
24	i	603	CLA	CMB-C2B	-2.47	1.46	1.51
24	g	311	CLA	C3B-C2B	-2.47	1.36	1.40
24	a	310	CLA	CHC-C1C	2.47	1.41	1.35
24	e	611	CLA	CMD-C2D	-2.47	1.45	1.50
24	j	313	CLA	C3B-C2B	-2.46	1.36	1.40
24	L	207	CLA	CMB-C2B	-2.46	1.46	1.51
27	F	205	WVN	C02-C11	2.46	1.53	1.50
24	A	808	CLA	CHC-C1C	2.46	1.41	1.35
24	g	303	CLA	CMD-C2D	-2.46	1.45	1.50
28	a	318	LMT	O3'-C3'	-2.46	1.37	1.43
24	L	204	CLA	CMB-C2B	-2.46	1.46	1.51
24	a	311	CLA	CMB-C2B	-2.46	1.46	1.51
24	B	820	CLA	CMD-C2D	-2.46	1.45	1.50
24	B	836	CLA	C3B-C2B	-2.46	1.37	1.40
24	k	614	CLA	C3B-C2B	-2.46	1.37	1.40
24	d	308	CLA	CMB-C2B	-2.45	1.46	1.51
35	j	312	KC2	C3C-C4C	2.45	1.49	1.44
24	A	804	CLA	CMC-C2C	-2.45	1.45	1.50
24	A	825	CLA	CHC-C1C	2.45	1.41	1.35
24	d	303	CLA	CMD-C2D	-2.45	1.45	1.50
24	A	831	CLA	CMD-C2D	-2.45	1.45	1.50
27	M	101	WVN	C20-C13	2.45	1.53	1.45
24	A	823	CLA	CHC-C1C	2.45	1.41	1.35
24	g	304	CLA	CMB-C2B	-2.45	1.46	1.51
27	A	848	WVN	C19-C22	2.45	1.51	1.45
24	e	604	CLA	CMB-C2B	-2.44	1.46	1.51
24	B	837	CLA	CMB-C2B	-2.44	1.46	1.51
35	g	314	KC2	C1D-CHD	2.44	1.47	1.41
24	A	812	CLA	CMC-C2C	-2.44	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	b	310	CLA	CMB-C2B	-2.44	1.46	1.51
27	h	308	WVN	C20-C13	2.44	1.53	1.45
35	g	314	KC2	C4D-CHA	2.44	1.48	1.45
24	j	303	CLA	C3B-C2B	-2.44	1.37	1.40
24	A	855	CLA	CMC-C2C	-2.44	1.45	1.50
28	A	851	LMT	O3B-C3B	-2.44	1.37	1.43
24	f	606	CLA	C3B-C2B	-2.44	1.37	1.40
24	g	309	CLA	CMB-C2B	-2.43	1.46	1.51
24	A	817	CLA	CMD-C2D	-2.43	1.45	1.50
24	e	606	CLA	CMB-C2B	-2.43	1.46	1.51
24	d	307	CLA	CMB-C2B	-2.43	1.46	1.51
34	j	317	IHT	C18-C07	2.43	1.53	1.45
28	a	318	LMT	O4'-C4B	-2.43	1.37	1.43
24	g	306	CLA	C3B-C2B	-2.43	1.37	1.40
27	R	201	WVN	C02-C11	2.43	1.53	1.50
24	b	308	CLA	CMB-C2B	-2.43	1.46	1.51
24	k	601	CLA	C3B-C2B	-2.43	1.37	1.40
24	k	605	CLA	CMB-C2B	-2.43	1.46	1.51
24	A	838	CLA	CHC-C1C	2.43	1.41	1.35
24	k	603	CLA	C4D-ND	-2.42	1.34	1.37
27	L	201	WVN	C19-C22	2.42	1.51	1.45
33	b	314	II0	C33-C35	2.42	1.51	1.45
24	B	822	CLA	CMD-C2D	-2.42	1.45	1.50
24	f	606	CLA	CHC-C1C	2.42	1.41	1.35
24	g	311	CLA	CMB-C2B	-2.42	1.46	1.51
24	O	205	CLA	C4B-CHC	-2.42	1.34	1.41
24	a	303	CLA	CMB-C2B	-2.42	1.46	1.51
24	B	809	CLA	C3B-C2B	-2.42	1.37	1.40
35	d	310	KC2	C3C-C4C	2.42	1.49	1.44
24	B	801	CLA	CMD-C2D	-2.42	1.45	1.50
34	a	316	IHT	C20-C15	2.41	1.54	1.50
34	k	618	IHT	C39-C35	2.41	1.55	1.50
24	O	205	CLA	C4D-ND	-2.41	1.34	1.37
27	A	850	WVN	C02-C11	2.41	1.53	1.50
24	c	606	CLA	C3B-C2B	-2.41	1.37	1.40
24	i	607	CLA	CMC-C2C	-2.41	1.45	1.50
24	a	306	CLA	CHC-C1C	2.41	1.41	1.35
34	R	204	IHT	C25-C23	2.41	1.55	1.50
24	e	607	CLA	CMB-C2B	-2.41	1.46	1.51
24	i	601	CLA	CHC-C1C	2.41	1.41	1.35
24	B	834	CLA	CMD-C2D	-2.41	1.45	1.50
24	j	314	CLA	CMB-C2B	-2.41	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	A	839	CLA	C3B-C2B	-2.41	1.37	1.40
24	b	308	CLA	C3B-C2B	-2.41	1.37	1.40
24	d	302	CLA	CMB-C2B	-2.40	1.46	1.51
24	f	608	CLA	CMB-C2B	-2.40	1.46	1.51
27	K	103	WVN	C19-C22	2.40	1.51	1.45
24	B	818	CLA	CMD-C2D	-2.40	1.45	1.50
27	F	204	WVN	C23-C25	2.40	1.51	1.45
24	B	832	CLA	CMC-C2C	-2.40	1.45	1.50
27	B	847	WVN	C20-C13	2.40	1.53	1.45
24	i	604	CLA	CMB-C2B	-2.40	1.46	1.51
24	A	802	CLA	CMD-C2D	-2.40	1.45	1.50
24	f	613	CLA	CMB-C2B	-2.40	1.46	1.51
24	A	837	CLA	CHC-C1C	2.40	1.41	1.35
24	B	840	CLA	CMB-C2B	-2.40	1.46	1.51
24	B	821	CLA	C3B-C2B	-2.40	1.37	1.40
24	B	811	CLA	CMB-C2B	-2.40	1.46	1.51
24	j	305	CLA	CMD-C2D	-2.40	1.45	1.50
24	a	311	CLA	CHC-C1C	2.40	1.41	1.35
24	b	305	CLA	CMB-C2B	-2.40	1.46	1.51
34	c	615	IHT	C20-C15	2.39	1.54	1.50
24	d	306	CLA	MG-NA	2.39	2.12	2.06
34	O	203	IHT	C39-C35	2.39	1.55	1.50
24	c	612	CLA	CMB-C2B	-2.39	1.46	1.51
24	f	604	CLA	CMB-C2B	-2.39	1.46	1.51
24	A	827	CLA	CMD-C2D	-2.39	1.45	1.50
24	J	105	CLA	CMB-C2B	-2.39	1.46	1.51
24	f	606	CLA	CMC-C2C	-2.39	1.45	1.50
35	i	616	KC2	C3C-C4C	2.39	1.49	1.44
27	B	846	WVN	C19-C22	2.39	1.51	1.45
24	B	822	CLA	CMC-C2C	-2.39	1.45	1.50
33	k	615	IIO	C16-C03	2.39	1.58	1.53
27	A	850	WVN	C20-C13	2.39	1.53	1.45
24	j	313	CLA	CMB-C2B	-2.39	1.46	1.51
24	g	315	CLA	CMD-C2D	-2.39	1.45	1.50
24	A	814	CLA	CMB-C2B	-2.39	1.46	1.51
35	k	611	KC2	C1D-CHD	2.39	1.47	1.41
24	A	808	CLA	CMB-C2B	-2.39	1.46	1.51
24	A	813	CLA	CMB-C2B	-2.39	1.46	1.51
24	g	322	CLA	CMB-C2B	-2.39	1.46	1.51
24	B	836	CLA	CHC-C1C	2.38	1.41	1.35
24	A	826	CLA	CHC-C1C	2.38	1.41	1.35
24	B	837	CLA	CMD-C2D	-2.38	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	B	848	WVN	C28-C25	-2.38	1.32	1.35
24	k	609	CLA	CMB-C2B	-2.38	1.46	1.51
34	f	617	IHT	C39-C35	2.38	1.55	1.50
24	L	204	CLA	CMC-C2C	-2.38	1.45	1.50
24	f	602	CLA	CMD-C2D	-2.38	1.45	1.50
24	c	611	CLA	CHC-C1C	2.38	1.41	1.35
24	k	609	CLA	C3B-C2B	-2.38	1.37	1.40
33	b	318	II0	C16-C03	2.38	1.58	1.53
24	B	809	CLA	CMC-C2C	-2.38	1.45	1.50
34	j	317	IHT	C20-C15	2.38	1.54	1.50
33	g	318	II0	C18-C04	2.38	1.58	1.53
24	B	820	CLA	CMB-C2B	-2.38	1.46	1.51
24	d	303	CLA	CMB-C2B	-2.38	1.46	1.51
24	j	305	CLA	CMB-C2B	-2.37	1.46	1.51
24	A	855	CLA	CMD-C2D	-2.37	1.45	1.50
24	g	302	CLA	CMB-C2B	-2.37	1.46	1.51
24	A	817	CLA	CMC-C2C	-2.37	1.45	1.50
24	i	602	CLA	CMB-C2B	-2.37	1.46	1.51
24	i	605	CLA	CMD-C2D	-2.37	1.45	1.50
24	B	819	CLA	CMB-C2B	-2.37	1.46	1.51
24	A	824	CLA	CMD-C2D	-2.37	1.45	1.50
24	J	103	CLA	CMD-C2D	-2.37	1.45	1.50
24	K	102	CLA	CMD-C2D	-2.37	1.45	1.50
24	j	303	CLA	C3B-CAB	-2.37	1.43	1.47
24	B	825	CLA	CMC-C2C	-2.37	1.45	1.50
24	A	825	CLA	CMB-C2B	-2.37	1.46	1.51
24	d	301	CLA	CMB-C2B	-2.37	1.46	1.51
24	L	202	CLA	CMD-C2D	-2.37	1.45	1.50
24	F	201	CLA	CMD-C2D	-2.36	1.45	1.50
35	f	611	KC2	C1D-CHD	2.36	1.47	1.41
24	f	602	CLA	C3B-CAB	-2.36	1.43	1.47
24	b	307	CLA	CMB-C2B	-2.36	1.46	1.51
35	e	609	KC2	C3C-C4C	2.36	1.49	1.44
24	F	202	CLA	C3B-C2B	-2.36	1.37	1.40
24	f	612	CLA	C3B-C2B	-2.36	1.37	1.40
24	A	826	CLA	CMD-C2D	-2.36	1.45	1.50
24	A	830	CLA	C3B-C2B	-2.36	1.37	1.40
34	b	316	IHT	C39-C35	2.36	1.55	1.50
24	A	820	CLA	CMD-C2D	-2.36	1.45	1.50
24	A	821	CLA	CMD-C2D	-2.36	1.45	1.50
24	b	305	CLA	CMD-C2D	-2.36	1.45	1.50
24	A	822	CLA	C3B-CAB	-2.36	1.43	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	K	101	CLA	CMC-C2C	-2.36	1.45	1.50
24	e	604	CLA	CMD-C2D	-2.35	1.45	1.50
24	c	611	CLA	CMB-C2B	-2.35	1.46	1.51
24	h	307	CLA	CMB-C2B	-2.35	1.46	1.51
24	a	310	CLA	CMB-C2B	-2.35	1.46	1.51
24	i	611	CLA	CMB-C2B	-2.35	1.46	1.51
34	c	615	IHT	C39-C35	2.35	1.55	1.50
24	g	305	CLA	CHC-C1C	2.35	1.41	1.35
24	k	604	CLA	CMD-C2D	-2.35	1.45	1.50
27	e	615	WVN	C02-C11	2.35	1.53	1.50
24	B	815	CLA	CMB-C2B	-2.35	1.46	1.51
24	i	607	CLA	CMB-C2B	-2.35	1.46	1.51
24	c	605	CLA	C3B-C2B	-2.35	1.37	1.40
35	k	613	KC2	C3C-C4C	2.35	1.49	1.44
34	g	319	IHT	C18-C07	2.35	1.53	1.45
34	f	617	IHT	C20-C15	2.35	1.54	1.50
34	j	317	IHT	C39-C35	2.35	1.55	1.50
24	A	852	CLA	CMD-C2D	-2.35	1.45	1.50
24	k	614	CLA	CMB-C2B	-2.35	1.46	1.51
24	A	833	CLA	CMD-C2D	-2.35	1.45	1.50
27	B	845	WVN	C20-C13	2.35	1.53	1.45
34	R	204	IHT	C20-C15	2.35	1.54	1.50
27	J	102	WVN	C20-C13	2.35	1.53	1.45
24	A	834	CLA	CMB-C2B	-2.35	1.46	1.51
33	k	619	II0	C15-C03	2.35	1.58	1.53
33	a	313	II0	C16-C03	2.34	1.58	1.53
24	B	808	CLA	CHC-C1C	2.34	1.41	1.35
33	d	314	II0	C16-C03	2.34	1.58	1.53
24	B	806	CLA	CMC-C2C	-2.34	1.45	1.50
24	e	603	CLA	C3B-C2B	-2.34	1.37	1.40
24	B	812	CLA	CMC-C2C	-2.34	1.45	1.50
24	B	824	CLA	CMC-C2C	-2.34	1.45	1.50
33	i	614	II0	C18-C04	2.34	1.58	1.53
33	i	613	II0	C16-C03	2.34	1.58	1.53
24	g	322	CLA	CMD-C2D	-2.34	1.45	1.50
24	B	807	CLA	C4B-CHC	-2.34	1.34	1.41
24	e	603	CLA	CMB-C2B	-2.33	1.46	1.51
35	i	609	KC2	C4A-C3A	2.33	1.49	1.44
24	b	304	CLA	CMC-C2C	-2.33	1.45	1.50
24	B	841	CLA	CMB-C2B	-2.33	1.46	1.51
24	A	808	CLA	CMD-C2D	-2.33	1.45	1.50
24	A	823	CLA	C3B-C2B	-2.33	1.37	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	a	317	II0	C18-C04	2.33	1.58	1.53
33	c	613	II0	C16-C03	2.33	1.58	1.53
35	k	612	KC2	C1A-CHA	2.33	1.46	1.40
24	k	601	CLA	CMD-C2D	-2.33	1.45	1.50
24	d	304	CLA	CMB-C2B	-2.33	1.46	1.51
24	d	306	CLA	CMD-C2D	-2.32	1.45	1.50
24	f	613	CLA	C3B-C2B	-2.32	1.37	1.40
27	L	201	WVN	C20-C13	2.32	1.53	1.45
24	c	609	CLA	CMB-C2B	-2.32	1.46	1.51
24	h	312	CLA	CMD-C2D	-2.32	1.45	1.50
24	b	306	CLA	C3B-C2B	-2.32	1.37	1.40
24	j	302	CLA	C3B-C2B	-2.32	1.37	1.40
24	i	606	CLA	CMD-C2D	-2.32	1.45	1.50
34	f	617	IHT	C25-C23	2.32	1.55	1.50
24	A	856	CLA	CAC-C3C	-2.32	1.45	1.51
24	k	604	CLA	CMB-C2B	-2.32	1.46	1.51
24	B	831	CLA	CMD-C2D	-2.32	1.45	1.50
27	A	846	WVN	C02-C11	2.31	1.53	1.50
35	g	314	KC2	C4A-C3A	2.31	1.49	1.44
24	B	841	CLA	CMD-C2D	-2.31	1.45	1.50
24	b	303	CLA	CMD-C2D	-2.31	1.45	1.50
24	j	307	CLA	C3B-C2B	-2.31	1.37	1.40
24	A	831	CLA	CHC-C1C	2.31	1.40	1.35
34	a	316	IHT	C39-C35	2.31	1.55	1.50
28	a	318	LMT	O2'-C2'	-2.31	1.37	1.43
24	A	811	CLA	CMD-C2D	-2.31	1.45	1.50
24	d	303	CLA	MG-ND	-2.31	2.01	2.05
35	g	313	KC2	C3C-C4C	2.30	1.49	1.44
35	f	611	KC2	C4B-NB	-2.30	1.35	1.37
33	k	617	II0	C18-C04	2.30	1.58	1.53
24	b	309	CLA	C3B-C2B	-2.30	1.37	1.40
24	A	827	CLA	CMC-C2C	-2.30	1.45	1.50
24	L	203	CLA	C3B-C2B	-2.30	1.37	1.40
24	A	831	CLA	MG-ND	-2.30	2.01	2.05
24	b	306	CLA	CHC-C1C	2.30	1.40	1.35
24	b	308	CLA	CMD-C2D	-2.30	1.45	1.50
24	b	311	CLA	CMB-C2B	-2.30	1.46	1.51
24	A	815	CLA	CMD-C2D	-2.30	1.45	1.50
33	c	616	II0	C16-C03	2.29	1.58	1.53
24	b	308	CLA	CMC-C2C	-2.29	1.45	1.50
28	b	319	LMT	O2'-C2'	-2.29	1.37	1.43
24	b	306	CLA	MG-NC	2.29	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	803	CLA	C3B-C2B	-2.29	1.37	1.40
24	B	836	CLA	CMD-C2D	-2.29	1.45	1.50
24	j	309	CLA	CMD-C2D	-2.29	1.46	1.50
24	j	308	CLA	CMD-C2D	-2.28	1.46	1.50
24	f	603	CLA	CMD-C2D	-2.28	1.46	1.50
24	g	309	CLA	CMD-C2D	-2.28	1.46	1.50
33	i	612	II0	C16-C03	2.28	1.58	1.53
24	B	835	CLA	C3B-C2B	-2.28	1.37	1.40
24	B	829	CLA	MG-NC	2.28	2.11	2.06
24	A	804	CLA	CMD-C2D	-2.28	1.46	1.50
24	h	304	CLA	CMD-C2D	-2.28	1.46	1.50
24	B	827	CLA	C3B-CAB	-2.28	1.43	1.47
24	A	810	CLA	CMC-C2C	-2.28	1.46	1.50
24	B	807	CLA	CMC-C2C	-2.28	1.46	1.50
24	A	836	CLA	MG-ND	-2.28	2.01	2.05
24	d	305	CLA	CMD-C2D	-2.28	1.46	1.50
33	j	318	II0	C16-C03	2.28	1.58	1.53
24	j	303	CLA	CMD-C2D	-2.28	1.46	1.50
24	J	103	CLA	CMB-C2B	-2.28	1.46	1.51
35	k	611	KC2	C3C-C4C	2.27	1.49	1.44
35	c	610	KC2	C4B-NB	-2.27	1.35	1.37
27	F	204	WVN	C20-C13	2.27	1.53	1.45
27	J	101	WVN	C20-C13	2.27	1.53	1.45
24	B	818	CLA	CHC-C1C	2.27	1.40	1.35
24	B	816	CLA	C3B-C2B	-2.27	1.37	1.40
33	f	614	II0	C16-C03	2.27	1.58	1.53
24	f	609	CLA	CMC-C2C	-2.27	1.46	1.50
24	B	823	CLA	MG-ND	-2.27	2.01	2.05
24	g	305	CLA	C4B-CHC	-2.27	1.34	1.41
24	A	812	CLA	CMD-C2D	-2.27	1.46	1.50
24	A	814	CLA	CMC-C2C	-2.27	1.46	1.50
24	B	808	CLA	CMC-C2C	-2.27	1.46	1.50
34	R	204	IHT	C39-C35	2.27	1.55	1.50
24	A	824	CLA	CMC-C2C	-2.27	1.46	1.50
24	O	205	CLA	CHC-C1C	2.27	1.40	1.35
24	c	611	CLA	CMC-C2C	-2.27	1.46	1.50
24	j	309	CLA	CMC-C2C	-2.27	1.46	1.50
24	c	608	CLA	CMB-C2B	-2.27	1.46	1.51
27	A	849	WVN	C20-C13	2.27	1.53	1.45
24	B	821	CLA	CMC-C2C	-2.27	1.46	1.50
24	B	814	CLA	CMD-C2D	-2.27	1.46	1.50
24	j	313	CLA	CMD-C2D	-2.26	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	e	605	CLA	C3B-C2B	-2.26	1.37	1.40
35	d	311	KC2	C4A-C3A	2.26	1.48	1.44
24	A	819	CLA	CMD-C2D	-2.26	1.46	1.50
24	f	613	CLA	CMD-C2D	-2.26	1.46	1.50
24	e	602	CLA	CMD-C2D	-2.26	1.46	1.50
24	g	304	CLA	CMD-C2D	-2.26	1.46	1.50
27	R	202	WVN	C20-C13	2.26	1.53	1.45
35	d	311	KC2	C1A-CHA	2.26	1.46	1.40
25	B	842	PQN	O4-C4	-2.26	1.18	1.23
24	A	840	CLA	CMD-C2D	-2.25	1.46	1.50
24	A	819	CLA	CHC-C1C	2.25	1.40	1.35
24	B	825	CLA	MG-ND	-2.25	2.01	2.05
24	h	301	CLA	CMD-C2D	-2.25	1.46	1.50
35	e	609	KC2	C1D-CHD	2.25	1.47	1.41
24	L	203	CLA	C3B-CAB	-2.25	1.43	1.47
24	A	813	CLA	CMD-C2D	-2.25	1.46	1.50
25	A	843	PQN	O4-C4	-2.25	1.18	1.23
27	F	205	WVN	C20-C13	2.25	1.53	1.45
27	F	204	WVN	C02-C11	2.25	1.53	1.50
24	b	306	CLA	C4B-CHC	-2.25	1.34	1.41
24	a	304	CLA	C3B-C2B	-2.25	1.37	1.40
24	B	823	CLA	C4B-CHC	-2.25	1.34	1.41
24	L	207	CLA	CMD-C2D	-2.25	1.46	1.50
24	A	853	CLA	C3B-C2B	-2.25	1.37	1.40
24	A	819	CLA	C4B-CHC	-2.25	1.34	1.41
33	d	313	II0	C18-C04	2.25	1.58	1.53
35	d	310	KC2	C1A-CHA	2.25	1.46	1.40
24	b	311	CLA	CMD-C2D	-2.24	1.46	1.50
24	g	308	CLA	CMD-C2D	-2.24	1.46	1.50
24	B	830	CLA	CMC-C2C	-2.24	1.46	1.50
24	e	603	CLA	CMD-C2D	-2.24	1.46	1.50
34	b	316	IHT	C20-C15	2.24	1.54	1.50
24	j	310	CLA	CMC-C2C	-2.24	1.46	1.50
27	B	846	WVN	C20-C13	2.24	1.53	1.45
24	h	302	CLA	CMD-C2D	-2.24	1.46	1.50
24	B	811	CLA	CMD-C2D	-2.24	1.46	1.50
24	A	837	CLA	CMD-C2D	-2.24	1.46	1.50
27	A	846	WVN	C20-C13	2.24	1.53	1.45
24	A	836	CLA	CMD-C2D	-2.24	1.46	1.50
24	c	602	CLA	CMD-C2D	-2.24	1.46	1.50
24	A	819	CLA	CAC-C3C	-2.24	1.45	1.51
24	A	817	CLA	MG-ND	-2.24	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	b	306	CLA	CMC-C2C	-2.24	1.46	1.50
24	f	602	CLA	C3B-C2B	-2.24	1.37	1.40
24	A	841	CLA	CMD-C2D	-2.24	1.46	1.50
24	i	604	CLA	CMD-C2D	-2.23	1.46	1.50
35	j	312	KC2	C1A-CHA	2.23	1.46	1.40
24	A	810	CLA	CMD-C2D	-2.23	1.46	1.50
24	f	608	CLA	CMC-C2C	-2.23	1.46	1.50
24	O	205	CLA	MG-NC	2.23	2.11	2.06
24	A	830	CLA	CMC-C2C	-2.23	1.46	1.50
24	A	827	CLA	CMB-C2B	-2.23	1.47	1.51
24	B	841	CLA	MG-ND	-2.23	2.01	2.05
33	k	621	II0	C18-C04	2.23	1.58	1.53
24	I	102	CLA	CMC-C2C	-2.23	1.46	1.50
34	g	319	IHT	C39-C35	2.23	1.55	1.50
27	L	206	WVN	C28-C25	-2.23	1.32	1.35
33	c	616	II0	C20-C14	2.23	1.54	1.50
24	B	809	CLA	CMD-C2D	-2.23	1.46	1.50
27	B	848	WVN	C02-C11	2.23	1.53	1.50
24	B	814	CLA	CMC-C2C	-2.23	1.46	1.50
24	a	308	CLA	CMD-C2D	-2.23	1.46	1.50
24	B	806	CLA	CMD-C2D	-2.23	1.46	1.50
24	B	809	CLA	MG-ND	-2.23	2.01	2.05
24	A	811	CLA	CMC-C2C	-2.22	1.46	1.50
24	B	804	CLA	MG-ND	-2.22	2.01	2.05
24	A	828	CLA	CMD-C2D	-2.22	1.46	1.50
24	B	811	CLA	CMC-C2C	-2.22	1.46	1.50
24	c	611	CLA	CMD-C2D	-2.22	1.46	1.50
33	k	617	II0	C20-C14	2.22	1.54	1.50
24	k	605	CLA	CMC-C2C	-2.22	1.46	1.50
24	B	823	CLA	CMC-C2C	-2.22	1.46	1.50
24	B	805	CLA	CMD-C2D	-2.22	1.46	1.50
24	b	304	CLA	CMD-C2D	-2.22	1.46	1.50
24	A	832	CLA	C3B-CAB	-2.22	1.43	1.47
24	g	307	CLA	C3B-C2B	-2.22	1.37	1.40
24	h	302	CLA	C3B-C2B	-2.22	1.37	1.40
24	c	607	CLA	CMD-C2D	-2.22	1.46	1.50
24	k	610	CLA	CMD-C2D	-2.22	1.46	1.50
24	g	309	CLA	CMC-C2C	-2.21	1.46	1.50
24	j	306	CLA	MG-ND	-2.21	2.01	2.05
24	B	840	CLA	CMC-C2C	-2.21	1.46	1.50
24	A	829	CLA	C3B-C2B	-2.21	1.37	1.40
34	b	317	IHT	C39-C35	2.21	1.55	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	d	307	CLA	CMD-C2D	-2.21	1.46	1.50
24	a	308	CLA	CMC-C2C	-2.21	1.46	1.50
24	h	302	CLA	C3B-CAB	-2.21	1.43	1.47
24	h	306	CLA	CMD-C2D	-2.21	1.46	1.50
24	B	840	CLA	CMD-C2D	-2.21	1.46	1.50
24	c	608	CLA	CMD-C2D	-2.21	1.46	1.50
24	R	203	CLA	CMC-C2C	-2.21	1.46	1.50
35	k	613	KC2	C1A-CHA	2.20	1.46	1.40
35	d	311	KC2	C1D-CHD	2.20	1.47	1.41
24	a	302	CLA	CMD-C2D	-2.20	1.46	1.50
24	d	303	CLA	C3B-C2B	-2.20	1.37	1.40
24	f	608	CLA	CMD-C2D	-2.20	1.46	1.50
24	B	801	CLA	CMC-C2C	-2.20	1.46	1.50
33	k	616	II0	C16-C03	2.20	1.58	1.53
35	g	313	KC2	C4D-CHA	2.20	1.47	1.45
24	B	817	CLA	C3B-CAB	-2.20	1.43	1.47
35	i	616	KC2	C1A-CHA	2.20	1.46	1.40
24	g	310	CLA	CMC-C2C	-2.20	1.46	1.50
24	A	823	CLA	CMD-C2D	-2.20	1.46	1.50
24	F	202	CLA	CMC-C2C	-2.20	1.46	1.50
24	A	840	CLA	CMC-C2C	-2.20	1.46	1.50
24	A	842	CLA	CMD-C2D	-2.20	1.46	1.50
24	B	837	CLA	CMC-C2C	-2.20	1.46	1.50
24	f	601	CLA	CMD-C2D	-2.20	1.46	1.50
24	B	833	CLA	CMD-C2D	-2.20	1.46	1.50
24	f	607	CLA	C4B-CHC	-2.20	1.34	1.41
24	B	815	CLA	CMD-C2D	-2.20	1.46	1.50
24	L	207	CLA	CMC-C2C	-2.20	1.46	1.50
24	O	205	CLA	MG-NA	2.20	2.11	2.06
33	O	202	II0	C16-C03	2.20	1.58	1.53
24	j	304	CLA	CMD-C2D	-2.20	1.46	1.50
24	B	817	CLA	C3B-C2B	-2.20	1.37	1.40
24	A	802	CLA	CMC-C2C	-2.20	1.46	1.50
24	B	816	CLA	CMC-C2C	-2.19	1.46	1.50
24	B	829	CLA	CMD-C2D	-2.19	1.46	1.50
24	f	607	CLA	CMD-C2D	-2.19	1.46	1.50
24	k	603	CLA	CMB-C2B	-2.19	1.47	1.51
24	j	311	CLA	CMD-C2D	-2.19	1.46	1.50
35	d	311	KC2	C4B-NB	-2.19	1.35	1.37
24	B	839	CLA	CMD-C2D	-2.19	1.46	1.50
24	i	606	CLA	CMB-C2B	-2.19	1.47	1.51
24	a	310	CLA	C4B-CHC	-2.19	1.34	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	A	820	CLA	CMC-C2C	-2.19	1.46	1.50
24	B	827	CLA	CMC-C2C	-2.19	1.46	1.50
24	c	609	CLA	CMD-C2D	-2.19	1.46	1.50
24	B	818	CLA	CMC-C2C	-2.19	1.46	1.50
24	O	201	CLA	CMC-C2C	-2.19	1.46	1.50
24	k	610	CLA	C3B-CAB	-2.19	1.43	1.47
24	A	818	CLA	C4B-CHC	-2.19	1.34	1.41
24	b	312	CLA	C3B-C2B	-2.19	1.37	1.40
24	B	810	CLA	CMD-C2D	-2.19	1.46	1.50
24	A	817	CLA	C3B-CAB	-2.19	1.43	1.47
24	B	825	CLA	CMD-C2D	-2.18	1.46	1.50
35	k	611	KC2	C4A-C3A	2.18	1.48	1.44
24	a	303	CLA	CMD-C2D	-2.18	1.46	1.50
24	A	809	CLA	C3B-C2B	-2.18	1.37	1.40
24	F	201	CLA	C3B-C2B	-2.18	1.37	1.40
27	B	848	WVN	C20-C13	2.18	1.52	1.45
35	c	610	KC2	C1A-CHA	2.18	1.46	1.40
24	B	828	CLA	CMC-C2C	-2.18	1.46	1.50
24	B	827	CLA	CMD-C2D	-2.18	1.46	1.50
24	A	832	CLA	CMD-C2D	-2.18	1.46	1.50
33	d	315	II0	C18-C04	2.18	1.58	1.53
24	A	837	CLA	CMC-C2C	-2.18	1.46	1.50
24	a	302	CLA	MG-ND	-2.18	2.01	2.05
24	B	804	CLA	CMD-C2D	-2.18	1.46	1.50
24	B	812	CLA	CMD-C2D	-2.17	1.46	1.50
33	k	621	II0	C16-C03	2.17	1.58	1.53
24	a	310	CLA	CMD-C2D	-2.17	1.46	1.50
24	B	803	CLA	C3B-CAB	-2.17	1.43	1.47
24	g	306	CLA	CMD-C2D	-2.17	1.46	1.50
24	e	604	CLA	CMC-C2C	-2.17	1.46	1.50
24	A	839	CLA	CMC-C2C	-2.17	1.46	1.50
35	d	310	KC2	C4B-NB	-2.17	1.35	1.37
24	b	306	CLA	CMD-C2D	-2.17	1.46	1.50
24	e	610	CLA	CMD-C2D	-2.17	1.46	1.50
24	i	610	CLA	CMC-C2C	-2.17	1.46	1.50
24	f	604	CLA	CMD-C2D	-2.17	1.46	1.50
24	a	306	CLA	C4B-CHC	-2.17	1.35	1.41
27	L	206	WVN	C20-C13	2.16	1.52	1.45
24	h	305	CLA	CMC-C2C	-2.16	1.46	1.50
33	d	314	II0	C18-C04	2.16	1.58	1.53
35	f	611	KC2	C3C-C4C	2.16	1.49	1.44
24	c	606	CLA	CMD-C2D	-2.16	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	f	612	CLA	C4B-CHC	-2.16	1.35	1.41
24	B	828	CLA	CMD-C2D	-2.16	1.46	1.50
24	B	820	CLA	CMC-C2C	-2.16	1.46	1.50
24	A	805	CLA	MG-ND	-2.16	2.01	2.05
24	f	604	CLA	CMC-C2C	-2.16	1.46	1.50
24	A	830	CLA	C3B-CAB	-2.16	1.43	1.47
24	h	304	CLA	C3B-CAB	-2.16	1.43	1.47
24	A	833	CLA	C4B-CHC	-2.16	1.35	1.41
24	A	842	CLA	CMC-C2C	-2.16	1.46	1.50
33	a	315	II0	C18-C04	2.16	1.58	1.53
24	A	826	CLA	C3B-C2B	-2.16	1.37	1.40
24	j	308	CLA	C3B-CAB	-2.16	1.43	1.47
24	A	815	CLA	MG-ND	-2.16	2.01	2.05
24	B	801	CLA	MG-ND	-2.16	2.01	2.05
24	O	201	CLA	MG-ND	-2.16	2.01	2.05
24	A	802	CLA	C3B-C2B	-2.16	1.37	1.40
35	k	613	KC2	C4A-C3A	2.16	1.48	1.44
24	f	612	CLA	CMD-C2D	-2.16	1.46	1.50
33	b	315	II0	C18-C04	2.16	1.58	1.53
24	J	103	CLA	MG-ND	-2.16	2.01	2.05
24	d	301	CLA	MG-NA	2.16	2.11	2.06
24	A	853	CLA	CMC-C2C	-2.16	1.46	1.50
24	a	305	CLA	CMC-C2C	-2.16	1.46	1.50
24	j	302	CLA	CMD-C2D	-2.15	1.46	1.50
33	e	613	II0	C16-C03	2.15	1.58	1.53
24	c	602	CLA	CMC-C2C	-2.15	1.46	1.50
24	B	835	CLA	CMC-C2C	-2.15	1.46	1.50
24	f	613	CLA	CMC-C2C	-2.15	1.46	1.50
25	A	843	PQN	O1-C1	-2.15	1.18	1.23
24	A	810	CLA	C3B-CAB	-2.15	1.43	1.47
24	a	304	CLA	CMD-C2D	-2.15	1.46	1.50
24	e	601	CLA	CMD-C2D	-2.15	1.46	1.50
24	B	814	CLA	C3B-C2B	-2.15	1.37	1.40
24	j	310	CLA	CMD-C2D	-2.15	1.46	1.50
24	j	314	CLA	CMD-C2D	-2.15	1.46	1.50
24	B	819	CLA	CMC-C2C	-2.15	1.46	1.50
24	B	813	CLA	CMC-C2C	-2.15	1.46	1.50
24	b	308	CLA	C3B-CAB	-2.15	1.43	1.47
35	d	310	KC2	C4A-C3A	2.15	1.48	1.44
24	B	805	CLA	MG-ND	-2.15	2.01	2.05
24	B	816	CLA	CMD-C2D	-2.15	1.46	1.50
24	B	824	CLA	CMD-C2D	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	838	CLA	CMC-C2C	-2.14	1.46	1.50
24	f	602	CLA	CMC-C2C	-2.14	1.46	1.50
24	b	303	CLA	C4B-CHC	-2.14	1.35	1.41
24	A	822	CLA	MG-ND	-2.14	2.01	2.05
24	A	838	CLA	CMC-C2C	-2.14	1.46	1.50
24	b	313	CLA	MG-NC	2.14	2.11	2.06
24	i	604	CLA	C4B-CHC	-2.14	1.35	1.41
24	O	205	CLA	CMC-C2C	-2.14	1.46	1.50
24	c	603	CLA	CMD-C2D	-2.14	1.46	1.50
24	A	835	CLA	CMD-C2D	-2.14	1.46	1.50
24	h	305	CLA	CMD-C2D	-2.14	1.46	1.50
24	i	608	CLA	CMD-C2D	-2.14	1.46	1.50
24	a	312	CLA	C4B-CHC	-2.14	1.35	1.41
24	d	301	CLA	CMD-C2D	-2.14	1.46	1.50
33	i	613	II0	C15-C03	2.14	1.58	1.53
24	A	816	CLA	CMC-C2C	-2.14	1.46	1.50
27	I	101	WVN	C02-C11	2.14	1.53	1.50
24	B	817	CLA	CMC-C2C	-2.14	1.46	1.50
33	d	315	II0	C16-C03	2.13	1.58	1.53
24	A	803	CLA	CMD-C2D	-2.13	1.46	1.50
24	A	834	CLA	MG-ND	-2.13	2.01	2.05
35	c	610	KC2	C4A-C3A	2.13	1.48	1.44
24	B	805	CLA	C4B-CHC	-2.13	1.35	1.41
24	a	306	CLA	CMD-C2D	-2.13	1.46	1.50
24	g	303	CLA	C3B-CAB	-2.13	1.43	1.47
24	g	304	CLA	MG-ND	-2.13	2.01	2.05
24	J	105	CLA	C3B-CAB	-2.13	1.43	1.47
24	B	807	CLA	CMD-C2D	-2.13	1.46	1.50
24	a	302	CLA	C3B-C2B	-2.13	1.37	1.40
24	g	305	CLA	CMD-C2D	-2.13	1.46	1.50
24	A	824	CLA	MG-ND	-2.13	2.01	2.05
32	J	106	LMG	O7-C8	-2.13	1.41	1.46
33	e	616	II0	C18-C04	2.13	1.57	1.53
24	L	203	CLA	CMC-C2C	-2.13	1.46	1.50
24	J	103	CLA	C3B-C2B	-2.13	1.37	1.40
24	k	608	CLA	C3B-C2B	-2.13	1.37	1.40
24	g	311	CLA	CMC-C2C	-2.13	1.46	1.50
24	j	307	CLA	CAA-C2A	-2.12	1.50	1.54
24	B	826	CLA	MG-ND	-2.12	2.01	2.05
35	f	611	KC2	C1A-CHA	2.12	1.46	1.40
24	A	807	CLA	CMD-C2D	-2.12	1.46	1.50
24	B	833	CLA	CMC-C2C	-2.12	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	i	610	CLA	CMD-C2D	-2.12	1.46	1.50
24	A	805	CLA	C4B-CHC	-2.12	1.35	1.41
24	f	604	CLA	C4B-CHC	-2.12	1.35	1.41
24	d	302	CLA	CMD-C2D	-2.12	1.46	1.50
24	f	603	CLA	CMC-C2C	-2.12	1.46	1.50
33	a	315	II0	C16-C03	2.12	1.57	1.53
33	d	315	II0	C20-C14	2.12	1.54	1.50
24	K	102	CLA	C3B-CAB	-2.12	1.43	1.47
24	B	806	CLA	MG-ND	-2.12	2.01	2.05
24	F	202	CLA	CMD-C2D	-2.12	1.46	1.50
33	g	316	II0	C20-C14	2.12	1.54	1.50
24	A	834	CLA	CMC-C2C	-2.12	1.46	1.50
24	e	608	CLA	CMD-C2D	-2.12	1.46	1.50
24	g	311	CLA	CMD-C2D	-2.12	1.46	1.50
33	d	314	II0	C15-C03	2.12	1.57	1.53
24	A	852	CLA	MG-ND	-2.12	2.01	2.05
24	A	833	CLA	CMC-C2C	-2.11	1.46	1.50
24	b	311	CLA	CMC-C2C	-2.11	1.46	1.50
24	A	829	CLA	CMC-C2C	-2.11	1.46	1.50
33	k	616	II0	C18-C04	2.11	1.57	1.53
33	b	314	II0	C29-C25	2.11	1.41	1.37
24	A	856	CLA	C4B-CHC	-2.11	1.35	1.41
24	j	306	CLA	CMD-C2D	-2.11	1.46	1.50
35	j	312	KC2	C4B-NB	-2.11	1.35	1.37
24	g	315	CLA	MG-ND	-2.11	2.01	2.05
24	B	836	CLA	CMC-C2C	-2.11	1.46	1.50
24	k	602	CLA	CMD-C2D	-2.11	1.46	1.50
24	i	610	CLA	CMB-C2B	-2.11	1.47	1.51
24	K	102	CLA	CMC-C2C	-2.11	1.46	1.50
24	e	602	CLA	CMC-C2C	-2.11	1.46	1.50
24	B	841	CLA	CMC-C2C	-2.11	1.46	1.50
24	A	813	CLA	C3B-CAB	-2.11	1.43	1.47
33	j	316	II0	C20-C14	2.11	1.54	1.50
24	F	201	CLA	CMC-C2C	-2.11	1.46	1.50
25	B	842	PQN	O1-C1	-2.11	1.18	1.23
24	A	823	CLA	C4B-CHC	-2.11	1.35	1.41
24	B	832	CLA	MG-ND	-2.11	2.01	2.05
33	b	318	II0	C15-C03	2.11	1.57	1.53
24	i	610	CLA	C3B-C2B	-2.11	1.37	1.40
24	A	820	CLA	MG-ND	-2.11	2.01	2.05
24	h	302	CLA	CMC-C2C	-2.10	1.46	1.50
24	a	312	CLA	MG-NC	2.10	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	d	303	CLA	CHC-C1C	2.10	1.40	1.35
33	a	317	II0	C16-C03	2.10	1.57	1.53
24	g	304	CLA	CMC-C2C	-2.10	1.46	1.50
24	d	309	CLA	CMC-C2C	-2.10	1.46	1.50
27	A	847	WVN	C20-C13	2.10	1.52	1.45
33	a	314	II0	C15-C03	2.10	1.57	1.53
24	A	825	CLA	C4B-CHC	-2.10	1.35	1.41
24	k	605	CLA	C4B-CHC	-2.10	1.35	1.41
24	e	605	CLA	CMD-C2D	-2.10	1.46	1.50
24	B	809	CLA	C3B-CAB	-2.10	1.43	1.47
24	A	807	CLA	CMC-C2C	-2.10	1.46	1.50
24	e	611	CLA	C3B-C2B	-2.10	1.37	1.40
24	B	832	CLA	C3B-CAB	-2.10	1.43	1.47
24	b	309	CLA	CMC-C2C	-2.10	1.46	1.50
24	f	605	CLA	CMC-C2C	-2.10	1.46	1.50
24	I	102	CLA	CMD-C2D	-2.10	1.46	1.50
24	d	312	CLA	C4B-CHC	-2.10	1.35	1.41
24	A	801	CLA	CMD-C2D	-2.10	1.46	1.50
33	f	616	II0	C18-C04	2.10	1.57	1.53
24	c	611	CLA	C4B-CHC	-2.10	1.35	1.41
24	A	808	CLA	MG-ND	-2.09	2.01	2.05
24	g	302	CLA	MG-ND	-2.09	2.01	2.05
33	f	615	II0	C15-C03	2.09	1.57	1.53
24	k	606	CLA	CMC-C2C	-2.09	1.46	1.50
24	b	303	CLA	C3B-C2B	-2.09	1.37	1.40
24	A	808	CLA	CMC-C2C	-2.09	1.46	1.50
24	a	307	CLA	CMC-C2C	-2.09	1.46	1.50
24	k	605	CLA	CMD-C2D	-2.09	1.46	1.50
24	b	313	CLA	CMD-C2D	-2.09	1.46	1.50
24	L	203	CLA	CMD-C2D	-2.09	1.46	1.50
24	f	610	CLA	CMD-C2D	-2.09	1.46	1.50
24	A	816	CLA	CMD-C2D	-2.09	1.46	1.50
24	A	839	CLA	CMD-C2D	-2.09	1.46	1.50
24	B	838	CLA	MG-ND	-2.09	2.01	2.05
24	B	832	CLA	CMD-C2D	-2.09	1.46	1.50
24	g	306	CLA	C3B-CAB	-2.09	1.43	1.47
24	d	309	CLA	C3B-C2B	-2.09	1.37	1.40
24	B	816	CLA	C3B-CAB	-2.09	1.43	1.47
33	f	616	II0	C16-C03	2.09	1.57	1.53
24	f	605	CLA	CMD-C2D	-2.09	1.46	1.50
24	i	611	CLA	CMD-C2D	-2.09	1.46	1.50
24	a	308	CLA	MG-ND	-2.09	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	B	819	CLA	CMD-C2D	-2.09	1.46	1.50
24	b	306	CLA	MG-ND	-2.09	2.01	2.05
24	i	603	CLA	CMD-C2D	-2.09	1.46	1.50
24	j	307	CLA	C4B-CHC	-2.09	1.35	1.41
24	i	605	CLA	C3B-CAB	-2.09	1.43	1.47
24	g	308	CLA	CMC-C2C	-2.08	1.46	1.50
33	j	318	II0	C30-C26	-2.08	1.32	1.37
24	f	606	CLA	C4B-CHC	-2.08	1.35	1.41
24	A	831	CLA	CMC-C2C	-2.08	1.46	1.50
24	j	307	CLA	CMC-C2C	-2.08	1.46	1.50
24	c	607	CLA	CMC-C2C	-2.08	1.46	1.50
24	k	614	CLA	CMD-C2D	-2.08	1.46	1.50
24	B	838	CLA	C3B-CAB	-2.08	1.43	1.47
24	k	608	CLA	CMD-C2D	-2.08	1.46	1.50
24	a	310	CLA	C3B-C2B	-2.08	1.37	1.40
24	g	302	CLA	CMD-C2D	-2.08	1.46	1.50
34	g	319	IHT	C20-C15	2.08	1.54	1.50
35	e	609	KC2	C4B-NB	-2.08	1.35	1.37
24	k	614	CLA	C3B-CAB	-2.08	1.43	1.47
24	h	312	CLA	CMC-C2C	-2.08	1.46	1.50
33	e	613	II0	C15-C03	2.08	1.57	1.53
33	j	318	II0	C15-C03	2.08	1.57	1.53
35	k	612	KC2	C4D-CHA	2.08	1.47	1.45
24	A	830	CLA	MG-ND	-2.08	2.01	2.05
24	f	601	CLA	C3B-C2B	-2.08	1.37	1.40
24	i	608	CLA	C3B-C2B	-2.08	1.37	1.40
24	A	823	CLA	CMC-C2C	-2.08	1.46	1.50
24	L	202	CLA	CMC-C2C	-2.08	1.46	1.50
24	j	304	CLA	CMB-C2B	-2.08	1.47	1.51
24	A	820	CLA	C4B-CHC	-2.07	1.35	1.41
24	e	605	CLA	C4B-CHC	-2.07	1.35	1.41
24	A	835	CLA	CMC-C2C	-2.07	1.46	1.50
24	g	306	CLA	CMC-C2C	-2.07	1.46	1.50
24	g	308	CLA	C4B-CHC	-2.07	1.35	1.41
28	A	851	LMT	O1'-C1'	-2.07	1.36	1.40
24	a	303	CLA	CMC-C2C	-2.07	1.46	1.50
24	h	302	CLA	MG-ND	-2.07	2.01	2.05
24	A	815	CLA	CMC-C2C	-2.07	1.46	1.50
24	a	302	CLA	CMC-C2C	-2.07	1.46	1.50
24	b	312	CLA	CMC-C2C	-2.07	1.46	1.50
33	i	612	II0	C18-C04	2.07	1.57	1.53
24	A	837	CLA	C4B-CHC	-2.07	1.35	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	g	317	II0	C30-C26	-2.07	1.32	1.37
24	J	105	CLA	C4D-ND	-2.07	1.34	1.37
24	e	606	CLA	CMC-C2C	-2.07	1.46	1.50
24	A	818	CLA	CMD-C2D	-2.07	1.46	1.50
24	k	614	CLA	C1B-NB	2.07	1.37	1.35
24	A	813	CLA	CMC-C2C	-2.07	1.46	1.50
24	B	836	CLA	MG-ND	-2.07	2.01	2.05
24	A	838	CLA	C4B-CHC	-2.07	1.35	1.41
24	j	306	CLA	C3B-C2B	-2.07	1.37	1.40
35	k	612	KC2	C4B-NB	-2.07	1.35	1.37
24	j	313	CLA	C4B-CHC	-2.07	1.35	1.41
24	c	603	CLA	CMC-C2C	-2.07	1.46	1.50
24	k	610	CLA	C3B-C2B	-2.07	1.37	1.40
24	A	814	CLA	CMD-C2D	-2.06	1.46	1.50
24	c	601	CLA	CMC-C2C	-2.06	1.46	1.50
24	k	603	CLA	CMD-C2D	-2.06	1.46	1.50
24	R	203	CLA	CMD-C2D	-2.06	1.46	1.50
24	B	839	CLA	CMC-C2C	-2.06	1.46	1.50
24	h	307	CLA	CMC-C2C	-2.06	1.46	1.50
24	d	308	CLA	CMC-C2C	-2.06	1.46	1.50
24	A	806	CLA	CMC-C2C	-2.06	1.46	1.50
24	A	809	CLA	CMD-C2D	-2.06	1.46	1.50
24	a	309	CLA	CMC-C2C	-2.06	1.46	1.50
24	b	312	CLA	CMD-C2D	-2.06	1.46	1.50
24	g	303	CLA	MG-ND	-2.06	2.01	2.05
33	b	314	II0	C18-C04	2.06	1.57	1.53
24	j	307	CLA	CMD-C2D	-2.06	1.46	1.50
24	A	802	CLA	C3B-CAB	-2.06	1.43	1.47
24	K	101	CLA	MG-ND	-2.06	2.01	2.05
24	A	853	CLA	C3B-CAB	-2.06	1.43	1.47
24	g	307	CLA	C3B-CAB	-2.06	1.43	1.47
24	j	314	CLA	C4B-CHC	-2.06	1.35	1.41
24	g	307	CLA	CMC-C2C	-2.06	1.46	1.50
33	j	316	II0	C16-C03	2.06	1.57	1.53
28	a	318	LMT	O3B-C3B	-2.06	1.38	1.43
24	A	825	CLA	CMC-C2C	-2.06	1.46	1.50
24	h	307	CLA	CMD-C2D	-2.06	1.46	1.50
24	f	612	CLA	CMC-C2C	-2.06	1.46	1.50
24	B	826	CLA	C3B-CAB	-2.06	1.43	1.47
24	a	306	CLA	C3B-C2B	-2.06	1.37	1.40
24	K	102	CLA	MG-ND	-2.06	2.01	2.05
34	b	317	IHT	C13-C02	2.06	1.57	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	O	203	IHT	C13-C02	2.05	1.57	1.53
33	c	614	II0	C20-C14	2.05	1.54	1.50
24	B	836	CLA	C4B-CHC	-2.05	1.35	1.41
24	A	833	CLA	MG-ND	-2.05	2.01	2.05
24	J	103	CLA	C3B-CAB	-2.05	1.43	1.47
24	A	856	CLA	CMC-C2C	-2.05	1.46	1.50
24	k	609	CLA	CMD-C2D	-2.05	1.46	1.50
24	B	817	CLA	CMD-C2D	-2.05	1.46	1.50
24	B	834	CLA	CMC-C2C	-2.05	1.46	1.50
24	B	823	CLA	CAC-C3C	-2.05	1.45	1.51
24	A	821	CLA	CMC-C2C	-2.05	1.46	1.50
24	d	308	CLA	CMD-C2D	-2.05	1.46	1.50
24	f	612	CLA	MG-NC	2.05	2.11	2.06
24	B	831	CLA	MG-ND	-2.05	2.01	2.05
24	k	603	CLA	MG-NA	2.05	2.11	2.06
24	B	831	CLA	CMC-C2C	-2.05	1.46	1.50
24	b	309	CLA	CMD-C2D	-2.05	1.46	1.50
33	i	614	II0	C20-C14	2.05	1.54	1.50
24	B	830	CLA	C4B-CHC	-2.05	1.35	1.41
34	k	618	IHT	C20-C15	2.04	1.54	1.50
24	A	852	CLA	C4B-CHC	-2.04	1.35	1.41
24	K	101	CLA	CMD-C2D	-2.04	1.46	1.50
24	K	102	CLA	C4B-CHC	-2.04	1.35	1.41
33	a	313	II0	C15-C03	2.04	1.57	1.53
33	h	311	II0	C30-C26	-2.04	1.32	1.37
33	b	314	II0	C15-C03	2.04	1.57	1.53
33	g	317	II0	C16-C03	2.04	1.57	1.53
24	A	803	CLA	C3B-C2B	-2.04	1.37	1.40
24	B	818	CLA	C4B-CHC	-2.04	1.35	1.41
33	g	317	II0	C18-C04	2.04	1.57	1.53
24	j	308	CLA	C4B-CHC	-2.04	1.35	1.41
24	f	604	CLA	C3B-C2B	-2.04	1.37	1.40
24	d	305	CLA	CHC-C1C	2.04	1.40	1.35
24	j	307	CLA	MG-NC	2.04	2.11	2.06
27	A	847	WVN	C02-C11	2.04	1.53	1.50
24	B	829	CLA	CMC-C2C	-2.04	1.46	1.50
24	A	808	CLA	C4B-CHC	-2.03	1.35	1.41
24	d	303	CLA	MG-NC	2.03	2.11	2.06
24	e	607	CLA	C3B-C2B	-2.03	1.37	1.40
33	i	612	II0	C15-C03	2.03	1.57	1.53
24	k	601	CLA	MG-NC	2.03	2.11	2.06
24	A	826	CLA	C4B-CHC	-2.03	1.35	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	d	307	CLA	C3B-C2B	-2.03	1.37	1.40
24	e	607	CLA	CMC-C2C	-2.03	1.46	1.50
24	a	312	CLA	CMD-C2D	-2.03	1.46	1.50
24	i	602	CLA	CMC-C2C	-2.03	1.46	1.50
24	A	852	CLA	C3B-C2B	-2.03	1.37	1.40
24	j	302	CLA	CMC-C2C	-2.03	1.46	1.50
24	B	831	CLA	C3B-CAB	-2.03	1.43	1.47
33	g	320	II0	C18-C04	2.03	1.57	1.53
24	B	821	CLA	C3B-CAB	-2.03	1.43	1.47
24	A	813	CLA	C3B-C2B	-2.03	1.37	1.40
24	L	202	CLA	C3B-C2B	-2.03	1.37	1.40
33	O	202	II0	C15-C03	2.03	1.57	1.53
24	B	830	CLA	C3B-CAB	-2.03	1.43	1.47
24	g	310	CLA	CMD-C2D	-2.03	1.46	1.50
24	b	308	CLA	C4B-CHC	-2.03	1.35	1.41
24	e	610	CLA	C4B-CHC	-2.03	1.35	1.41
24	B	816	CLA	CAA-C2A	-2.02	1.50	1.54
24	f	607	CLA	CMC-C2C	-2.02	1.46	1.50
24	A	805	CLA	C3B-C2B	-2.02	1.37	1.40
24	c	604	CLA	CMC-C2C	-2.02	1.46	1.50
24	j	313	CLA	CMC-C2C	-2.02	1.46	1.50
33	a	314	II0	C18-C04	2.02	1.57	1.53
24	A	835	CLA	C3B-CAB	-2.02	1.43	1.47
24	d	308	CLA	C3B-C2B	-2.02	1.37	1.40
24	d	306	CLA	C3B-CAB	-2.02	1.43	1.47
24	B	840	CLA	MG-ND	-2.02	2.01	2.05
24	i	607	CLA	CMD-C2D	-2.02	1.46	1.50
24	A	823	CLA	C3B-CAB	-2.02	1.43	1.47
24	a	305	CLA	CMD-C2D	-2.02	1.46	1.50
24	k	607	CLA	CMD-C2D	-2.02	1.46	1.50
24	A	831	CLA	C4B-CHC	-2.02	1.35	1.41
24	a	311	CLA	C3B-C2B	-2.02	1.37	1.40
24	i	601	CLA	C4B-CHC	-2.02	1.35	1.41
24	A	816	CLA	C4B-CHC	-2.02	1.35	1.41
24	i	610	CLA	MG-NC	2.02	2.11	2.06
24	k	601	CLA	C3B-CAB	-2.02	1.43	1.47
24	A	825	CLA	MG-ND	-2.02	2.01	2.05
24	B	808	CLA	C4B-CHC	-2.02	1.35	1.41
33	d	313	II0	C15-C03	2.02	1.57	1.53
24	g	303	CLA	C3B-C2B	-2.01	1.37	1.40
24	A	852	CLA	CMC-C2C	-2.01	1.46	1.50
24	g	322	CLA	CMC-C2C	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	h	311	II0	C16-C03	2.01	1.57	1.53
24	i	606	CLA	CMC-C2C	-2.01	1.46	1.50
35	k	611	KC2	C1A-CHA	2.01	1.45	1.40
24	A	838	CLA	C3B-CAB	-2.01	1.43	1.47
24	e	604	CLA	C3B-C2B	-2.01	1.37	1.40
24	h	303	CLA	CMC-C2C	-2.01	1.46	1.50
24	A	855	CLA	CAC-C3C	-2.01	1.46	1.51
24	k	604	CLA	C4B-CHC	-2.01	1.35	1.41
33	i	613	II0	C18-C04	2.01	1.57	1.53
24	d	306	CLA	CMC-C2C	-2.01	1.46	1.50
24	B	804	CLA	C3B-CAB	-2.01	1.43	1.47
24	a	312	CLA	CMC-C2C	-2.01	1.46	1.50
24	j	309	CLA	O2A-CGA	2.01	1.37	1.30
24	e	608	CLA	C3B-C2B	-2.01	1.37	1.40
33	e	613	II0	C20-C14	2.01	1.54	1.50
24	A	838	CLA	MG-ND	-2.01	2.01	2.05
24	i	601	CLA	CMD-C2D	-2.01	1.46	1.50
24	k	603	CLA	MG-NC	2.01	2.11	2.06
24	B	821	CLA	CMD-C2D	-2.01	1.46	1.50
24	g	302	CLA	CMC-C2C	-2.01	1.46	1.50
35	g	314	KC2	C4B-NB	-2.01	1.35	1.37
33	b	318	II0	C20-C14	2.01	1.54	1.50
24	c	601	CLA	C3B-CAB	-2.01	1.43	1.47
24	A	804	CLA	C4B-CHC	-2.01	1.35	1.41
24	c	605	CLA	CMC-C2C	-2.01	1.46	1.50
24	d	306	CLA	C4B-CHC	-2.01	1.35	1.41
33	a	315	II0	C20-C14	2.00	1.54	1.50
24	e	610	CLA	MG-ND	-2.00	2.01	2.05
24	c	604	CLA	CMD-C2D	-2.00	1.46	1.50
33	d	313	II0	C16-C03	2.00	1.57	1.53
35	k	612	KC2	C4A-C3A	2.00	1.48	1.44
24	k	607	CLA	CMC-C2C	-2.00	1.46	1.50
24	i	603	CLA	CMC-C2C	-2.00	1.46	1.50
24	i	606	CLA	C4B-CHC	-2.00	1.35	1.41
24	c	611	CLA	O2A-CGA	2.00	1.37	1.30
24	a	304	CLA	C3B-CAB	-2.00	1.43	1.47
24	B	828	CLA	MG-ND	-2.00	2.01	2.05

All (3883) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	f	617	IHT	C40-C37-C33	-13.58	107.93	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	f	611	KC2	C1A-NA-C4A	-12.51	101.08	106.71
34	b	317	IHT	C40-C37-C33	-12.44	109.55	127.31
35	k	613	KC2	C1A-NA-C4A	-11.85	101.38	106.71
34	f	617	IHT	C30-C27-C23	-11.73	110.57	127.31
35	k	612	KC2	CHC-C4B-NB	11.42	134.95	124.45
35	c	610	KC2	C1A-NA-C4A	-11.30	101.63	106.71
35	g	314	KC2	C1A-NA-C4A	-11.28	101.64	106.71
35	j	312	KC2	C1A-NA-C4A	-11.23	101.66	106.71
35	d	310	KC2	C1A-NA-C4A	-11.05	101.74	106.71
35	i	609	KC2	C1A-NA-C4A	-11.04	101.74	106.71
35	g	312	KC2	OBD-CAD-CBD	10.96	141.56	125.89
35	i	616	KC2	C1A-NA-C4A	-10.65	101.92	106.71
35	g	312	KC2	C1A-NA-C4A	-10.56	101.96	106.71
35	g	312	KC2	CHC-C4B-NB	10.49	134.09	124.45
35	d	310	KC2	CHC-C4B-NB	10.46	134.06	124.45
35	g	313	KC2	C1A-NA-C4A	-10.42	102.02	106.71
35	k	611	KC2	CHC-C4B-NB	10.41	134.02	124.45
35	f	611	KC2	CHC-C4B-NB	10.40	134.01	124.45
35	g	314	KC2	CHC-C4B-NB	10.39	134.00	124.45
35	d	311	KC2	CHC-C4B-NB	10.37	133.99	124.45
35	c	610	KC2	CHC-C4B-NB	10.35	133.96	124.45
35	i	616	KC2	CHC-C4B-NB	10.35	133.96	124.45
35	k	612	KC2	OBD-CAD-C3D	-10.33	110.82	127.98
35	k	611	KC2	C1A-NA-C4A	-10.23	102.11	106.71
35	g	313	KC2	CHC-C4B-NB	10.23	133.85	124.45
35	i	609	KC2	CHC-C4B-NB	10.17	133.80	124.45
35	e	609	KC2	CHC-C4B-NB	10.14	133.77	124.45
35	j	312	KC2	CHC-C4B-NB	10.13	133.76	124.45
35	k	613	KC2	CHC-C4B-NB	9.85	133.51	124.45
24	A	856	CLA	C4A-NA-C1A	9.80	111.11	106.71
27	F	205	WVN	C30-C28-C25	-9.63	113.56	127.31
34	f	617	IHT	C18-C22-C23	-9.62	111.69	126.23
35	k	612	KC2	C1A-NA-C4A	-9.58	102.40	106.71
35	c	610	KC2	OBD-CAD-CBD	9.56	139.56	125.89
35	e	609	KC2	OBD-CAD-CBD	9.49	139.46	125.89
35	d	311	KC2	C1A-NA-C4A	-9.48	102.44	106.71
35	g	312	KC2	OBD-CAD-C3D	-9.48	112.24	127.98
35	k	611	KC2	OBD-CAD-CBD	9.36	139.27	125.89
35	e	609	KC2	CHD-C4C-NC	9.22	138.20	124.20
35	i	616	KC2	CHD-C4C-NC	9.19	138.15	124.20
34	f	617	IHT	C41-C38-C35	-9.19	114.20	127.31
35	c	610	KC2	CHD-C4C-NC	9.18	138.13	124.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	k	611	KC2	CHD-C4C-NC	9.17	138.11	124.20
35	d	310	KC2	OBD-CAD-CBD	9.08	138.87	125.89
35	i	616	KC2	OBD-CAD-CBD	9.06	138.84	125.89
24	b	306	CLA	C4A-NA-C1A	9.03	110.77	106.71
35	k	612	KC2	C4C-C3C-C2C	-9.02	99.95	107.11
33	b	315	II0	C42-C40-C36	-8.90	114.60	127.31
35	d	310	KC2	CHD-C4C-NC	8.87	137.66	124.20
35	f	611	KC2	OBD-CAD-CBD	8.87	138.57	125.89
24	B	807	CLA	C4A-NA-C1A	8.81	110.67	106.71
35	g	313	KC2	CHD-C4C-NC	8.81	137.56	124.20
35	d	311	KC2	OBD-CAD-CBD	8.78	138.43	125.89
35	f	611	KC2	CHD-C4C-NC	8.77	137.51	124.20
35	i	609	KC2	OBD-CAD-C3D	-8.73	113.48	127.98
35	k	613	KC2	OBD-CAD-CBD	8.70	138.33	125.89
35	g	314	KC2	CHD-C4C-NC	8.70	137.40	124.20
35	i	609	KC2	OBD-CAD-CBD	8.68	138.29	125.89
27	F	205	WVN	C20-C23-C25	-8.64	113.18	126.23
27	A	847	WVN	C39-C36-C32	-8.63	115.00	127.31
35	j	312	KC2	CHD-C4C-NC	8.62	137.28	124.20
35	k	613	KC2	CHB-C1B-NB	8.59	132.35	124.45
35	f	611	KC2	OBD-CAD-C3D	-8.57	113.75	127.98
35	i	616	KC2	CHB-C1B-NB	8.52	132.28	124.45
35	g	313	KC2	OBD-CAD-C3D	-8.51	113.85	127.98
33	j	315	II0	C19-C13-C09	-8.48	112.82	124.35
35	e	609	KC2	C1A-NA-C4A	-8.48	102.89	106.71
35	c	610	KC2	CHB-C1B-NB	8.47	132.24	124.45
35	k	613	KC2	CHD-C4C-NC	8.44	137.00	124.20
35	k	613	KC2	OBD-CAD-C3D	-8.43	113.99	127.98
35	j	312	KC2	CHB-C1B-NB	8.41	132.18	124.45
35	g	313	KC2	CHB-C1B-NB	8.40	132.17	124.45
35	j	312	KC2	OBD-CAD-CBD	8.39	137.89	125.89
35	g	314	KC2	CHB-C1B-NB	8.35	132.13	124.45
35	i	609	KC2	CHD-C4C-NC	8.33	136.85	124.20
35	g	314	KC2	OBD-CAD-C3D	-8.33	114.15	127.98
35	d	311	KC2	OBD-CAD-C3D	-8.27	114.24	127.98
27	R	202	WVN	C29-C26-C22	-8.27	115.51	127.31
35	d	311	KC2	CHB-C1B-NB	8.27	132.05	124.45
35	g	312	KC2	C2C-C1C-NC	8.27	119.60	110.57
35	i	616	KC2	OBD-CAD-C3D	-8.24	114.30	127.98
35	i	609	KC2	C2C-C1C-NC	8.23	119.55	110.57
35	d	310	KC2	CHB-C1B-NB	8.20	131.99	124.45
24	c	611	CLA	C4A-NA-C1A	8.19	110.39	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	834	CLA	C4A-NA-C1A	8.18	110.38	106.71
35	e	609	KC2	CHB-C1B-NB	8.15	131.95	124.45
33	i	612	II0	C20-C14-C10	-8.11	113.32	124.35
24	i	604	CLA	C4A-NA-C1A	8.11	110.35	106.71
35	f	611	KC2	CHB-C1B-NB	8.09	131.89	124.45
33	e	612	II0	C19-C13-C09	-8.06	113.40	124.35
27	F	205	WVN	C40-C37-C34	-8.05	115.82	127.31
35	i	609	KC2	CHB-C1B-NB	8.04	131.84	124.45
35	f	611	KC2	C1A-C2A-C3A	-8.04	100.73	107.11
33	a	317	II0	C42-C40-C36	-8.03	115.85	127.31
35	j	312	KC2	C2C-C1C-NC	8.03	119.34	110.57
35	d	310	KC2	OBD-CAD-C3D	-8.00	114.69	127.98
35	g	313	KC2	OBD-CAD-CBD	8.00	137.32	125.89
35	k	611	KC2	OBD-CAD-C3D	-7.97	114.75	127.98
35	c	610	KC2	OBD-CAD-C3D	-7.96	114.76	127.98
33	k	617	II0	C19-C13-C09	-7.96	113.54	124.35
24	e	608	CLA	C4A-NA-C1A	7.93	110.27	106.71
35	d	311	KC2	C4C-C3C-C2C	-7.93	100.82	107.11
35	e	609	KC2	C2C-C1C-NC	7.91	119.20	110.57
35	j	312	KC2	OBD-CAD-C3D	-7.90	114.86	127.98
24	j	307	CLA	C4A-NA-C1A	7.88	110.25	106.71
35	g	312	KC2	CHD-C4C-NC	7.85	136.12	124.20
35	k	611	KC2	CHB-C1B-NB	7.83	131.65	124.45
35	g	312	KC2	O2D-CGD-O1D	-7.83	108.53	123.84
35	k	612	KC2	CHC-C4B-C3B	-7.79	111.94	125.26
27	B	848	WVN	C20-C23-C25	-7.75	114.52	126.23
24	k	601	CLA	C4A-NA-C1A	7.72	110.18	106.71
33	b	315	II0	C41-C39-C35	-7.70	116.31	127.31
35	k	612	KC2	C2C-C1C-NC	7.67	118.95	110.57
35	e	609	KC2	OBD-CAD-C3D	-7.67	115.25	127.98
35	g	312	KC2	CHB-C1B-NB	7.67	131.50	124.45
35	k	612	KC2	CMD-C2D-C1D	-7.62	116.75	128.46
34	R	204	IHT	C40-C37-C33	-7.58	116.49	127.31
35	k	611	KC2	CMD-C2D-C1D	-7.53	116.88	128.46
35	g	314	KC2	OBD-CAD-CBD	7.52	136.64	125.89
35	d	311	KC2	CHD-C4C-NC	7.51	135.59	124.20
35	d	311	KC2	C2C-C1C-NC	7.51	118.77	110.57
33	f	618	II0	C41-C39-C35	-7.48	116.63	127.31
35	d	310	KC2	CHC-C4B-C3B	-7.47	112.47	125.26
35	d	311	KC2	CMD-C2D-C1D	-7.47	116.99	128.46
35	g	312	KC2	CHC-C4B-C3B	-7.46	112.49	125.26
35	k	611	KC2	C2C-C1C-NC	7.46	118.71	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	d	310	KC2	C2C-C1C-NC	7.41	118.67	110.57
35	f	611	KC2	C4C-C3C-C2C	-7.41	101.23	107.11
35	j	312	KC2	C4C-C3C-C2C	-7.41	101.23	107.11
33	f	614	II0	C20-C14-C10	-7.40	114.29	124.35
27	A	847	WVN	C30-C28-C25	-7.38	116.78	127.31
35	k	611	KC2	CHC-C4B-C3B	-7.36	112.67	125.26
35	j	312	KC2	CHC-C4B-C3B	-7.36	112.67	125.26
35	e	609	KC2	CHC-C4B-C3B	-7.36	112.68	125.26
35	g	312	KC2	CHB-C4A-C3A	-7.34	113.52	124.98
35	g	314	KC2	C2C-C1C-NC	7.31	118.56	110.57
35	e	609	KC2	C4C-C3C-C2C	-7.25	101.36	107.11
35	i	609	KC2	C4C-C3C-C2C	-7.25	101.36	107.11
24	e	601	CLA	C4A-NA-C1A	7.25	109.97	106.71
34	f	617	IHT	C30-C32-C33	-7.24	106.09	126.42
35	i	609	KC2	CHC-C4B-C3B	-7.23	112.89	125.26
27	A	846	WVN	C30-C28-C25	-7.20	117.04	127.31
24	B	829	CLA	C4A-NA-C1A	7.19	109.94	106.71
35	f	611	KC2	CHC-C4B-C3B	-7.19	112.97	125.26
35	f	611	KC2	CHB-C4A-C3A	-7.16	113.80	124.98
35	e	609	KC2	CHB-C4A-C3A	-7.13	113.84	124.98
35	i	616	KC2	C2C-C1C-NC	7.13	118.35	110.57
35	k	612	KC2	CHD-C4C-NC	7.12	135.01	124.20
35	i	609	KC2	CHB-C4A-C3A	-7.11	113.88	124.98
35	k	612	KC2	OBD-CAD-CBD	7.07	136.00	125.89
24	B	825	CLA	C4A-NA-C1A	7.03	109.87	106.71
34	b	317	IHT	C18-C22-C23	-7.03	115.62	126.23
33	a	314	II0	C41-C39-C35	-7.03	117.28	127.31
35	g	314	KC2	CMD-C2D-C1D	-7.02	117.68	128.46
27	B	848	WVN	C40-C37-C34	-6.98	117.35	127.31
34	f	617	IHT	C32-C33-C37	6.98	129.65	118.94
35	d	311	KC2	CHC-C4B-C3B	-6.96	113.35	125.26
35	j	312	KC2	CHB-C4A-C3A	-6.95	114.12	124.98
35	k	612	KC2	CHB-C1B-NB	6.95	130.84	124.45
35	c	610	KC2	CHC-C4B-C3B	-6.94	113.38	125.26
35	k	611	KC2	CMD-C2D-C3D	6.91	137.60	124.68
35	e	609	KC2	CMD-C2D-C1D	-6.90	117.86	128.46
35	i	616	KC2	CMD-C2D-C1D	-6.90	117.86	128.46
35	k	612	KC2	CMD-C2D-C3D	6.89	137.57	124.68
35	j	312	KC2	CMD-C2D-C1D	-6.89	117.87	128.46
24	a	308	CLA	C4A-NA-C1A	6.89	109.80	106.71
35	g	313	KC2	CHB-C4A-C3A	-6.88	114.23	124.98
33	k	615	II0	C19-C13-C09	-6.87	115.01	124.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	i	612	II0	C42-C40-C36	-6.87	117.50	127.31
35	g	314	KC2	C4C-C3C-C2C	-6.86	101.67	107.11
24	e	604	CLA	C4A-NA-C1A	6.85	109.78	106.71
35	f	611	KC2	C2C-C1C-NC	6.83	118.03	110.57
35	d	310	KC2	CHB-C4A-C3A	-6.80	114.36	124.98
34	O	203	IHT	C40-C37-C33	-6.79	117.62	127.31
35	k	613	KC2	C2C-C1C-NC	6.77	117.97	110.57
35	c	610	KC2	CMD-C2D-C1D	-6.77	118.06	128.46
24	f	606	CLA	C4A-NA-C1A	6.76	109.75	106.71
35	g	312	KC2	C4C-C3C-C2C	-6.76	101.75	107.11
27	h	308	WVN	C04-C09-C05	-6.75	118.38	124.85
35	i	616	KC2	CHC-C4B-C3B	-6.74	113.74	125.26
35	c	610	KC2	C1A-C2A-C3A	-6.72	101.78	107.11
24	e	606	CLA	C4A-NA-C1A	6.70	109.72	106.71
35	d	311	KC2	CMD-C2D-C3D	6.69	137.20	124.68
24	h	307	CLA	C4A-NA-C1A	6.69	109.71	106.71
33	k	619	II0	C03-C09-C13	-6.69	113.19	122.63
33	e	613	II0	C04-C10-C14	-6.68	113.20	122.63
35	i	616	KC2	C1A-C2A-C3A	-6.68	101.81	107.11
24	b	308	CLA	C4A-NA-C1A	6.68	109.71	106.71
35	g	314	KC2	CHC-C4B-C3B	-6.67	113.85	125.26
33	b	314	II0	C41-C39-C35	-6.66	117.81	127.31
35	g	312	KC2	CMD-C2D-C1D	-6.65	118.24	128.46
35	k	613	KC2	C1A-C2A-C3A	-6.65	101.84	107.11
35	g	313	KC2	C2C-C1C-NC	6.64	117.82	110.57
33	a	313	II0	C20-C14-C10	-6.63	115.34	124.35
35	g	314	KC2	C1A-C2A-C3A	-6.63	101.85	107.11
35	d	311	KC2	C1A-C2A-C3A	-6.62	101.86	107.11
33	c	613	II0	C41-C39-C35	-6.62	117.86	127.31
35	f	611	KC2	CMD-C2D-C1D	-6.62	118.29	128.46
24	A	836	CLA	C4A-NA-C1A	6.61	109.68	106.71
24	A	815	CLA	CMB-C2B-C1B	-6.61	118.31	128.46
33	d	313	II0	C42-C40-C36	-6.61	117.88	127.31
35	k	612	KC2	CHB-C4A-C3A	-6.60	114.66	124.98
35	g	313	KC2	CHC-C4B-C3B	-6.60	113.97	125.26
33	f	616	II0	C04-C10-C14	-6.59	113.33	122.63
27	e	615	WVN	C30-C28-C25	-6.58	117.92	127.31
27	L	201	WVN	C04-C09-C05	-6.58	118.54	124.85
35	g	313	KC2	C4C-C3C-C2C	-6.57	101.89	107.11
35	e	609	KC2	CMD-C2D-C3D	6.57	136.97	124.68
34	a	316	IHT	C41-C38-C35	-6.56	117.95	127.31
35	c	610	KC2	C2C-C1C-NC	6.54	117.72	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	817	CLA	C4A-NA-C1A	6.53	109.64	106.71
24	g	302	CLA	C4A-NA-C1A	6.53	109.64	106.71
35	d	310	KC2	CMD-C2D-C1D	-6.51	118.46	128.46
35	d	310	KC2	C1A-C2A-C3A	-6.51	101.95	107.11
24	J	105	CLA	C4A-NA-C1A	6.50	109.63	106.71
24	A	835	CLA	C4A-NA-C1A	6.50	109.63	106.71
35	d	310	KC2	C4C-C3C-C2C	-6.49	101.97	107.11
35	k	613	KC2	CHB-C4A-C3A	-6.48	114.86	124.98
24	L	204	CLA	C4A-NA-C1A	6.48	109.62	106.71
27	B	847	WVN	C30-C28-C25	-6.48	118.07	127.31
35	k	613	KC2	C4C-C3C-C2C	-6.46	101.99	107.11
24	A	831	CLA	C4A-NA-C1A	6.46	109.61	106.71
24	B	818	CLA	CMB-C2B-C1B	-6.45	118.55	128.46
35	k	611	KC2	C4C-C3C-C2C	-6.44	102.00	107.11
33	c	614	II0	C41-C39-C35	-6.42	118.15	127.31
24	A	808	CLA	C4A-NA-C1A	6.42	109.59	106.71
35	i	609	KC2	C1A-C2A-C3A	-6.42	102.02	107.11
24	A	826	CLA	C4A-NA-C1A	6.41	109.59	106.71
35	c	610	KC2	CMD-C2D-C3D	6.40	136.65	124.68
35	c	610	KC2	CHB-C4A-C3A	-6.40	114.98	124.98
35	k	611	KC2	CHB-C4A-C3A	-6.39	114.99	124.98
33	k	617	II0	C42-C40-C36	-6.39	118.19	127.31
35	g	314	KC2	CHB-C4A-C3A	-6.38	115.02	124.98
35	j	312	KC2	CMD-C2D-C3D	6.38	136.61	124.68
35	i	616	KC2	C4C-C3C-C2C	-6.37	102.05	107.11
35	i	609	KC2	CMD-C2D-C1D	-6.36	118.69	128.46
35	g	314	KC2	CMD-C2D-C3D	6.35	136.55	124.68
35	i	616	KC2	CMD-C2D-C3D	6.33	136.53	124.68
24	A	839	CLA	C4A-NA-C1A	6.33	109.55	106.71
24	j	306	CLA	C4A-NA-C1A	6.31	109.55	106.71
27	B	845	WVN	C04-C09-C05	-6.31	118.80	124.85
35	f	611	KC2	CMD-C2D-C3D	6.30	136.47	124.68
35	c	610	KC2	C4C-C3C-C2C	-6.28	102.13	107.11
35	k	611	KC2	C1A-C2A-C3A	-6.27	102.14	107.11
24	A	812	CLA	C4A-NA-C1A	6.27	109.52	106.71
27	J	102	WVN	C04-C09-C05	-6.27	118.84	124.85
35	g	313	KC2	C1A-C2A-C3A	-6.26	102.15	107.11
24	a	311	CLA	C4A-NA-C1A	6.24	109.51	106.71
35	k	613	KC2	CHC-C4B-C3B	-6.24	114.59	125.26
24	A	813	CLA	C4A-NA-C1A	6.23	109.51	106.71
27	F	205	WVN	C40-C39-C36	-6.23	110.72	123.47
33	h	309	II0	C42-C40-C36	-6.21	118.44	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	h	311	II0	C41-C39-C35	-6.21	118.45	127.31
35	k	613	KC2	CMD-C2D-C1D	-6.20	118.93	128.46
33	b	318	II0	C42-C40-C36	-6.20	118.46	127.31
33	b	314	II0	C42-C40-C36	-6.19	118.48	127.31
33	O	202	II0	C20-C14-C10	-6.18	115.95	124.35
27	A	850	WVN	C30-C28-C25	-6.16	118.52	127.31
33	f	614	II0	C19-C13-C09	-6.16	115.98	124.35
24	i	601	CLA	C4A-NA-C1A	6.16	109.47	106.71
27	R	201	WVN	C30-C28-C25	-6.16	118.52	127.31
35	g	312	KC2	C1A-C2A-C3A	-6.15	102.23	107.11
33	c	614	II0	C42-C40-C36	-6.14	118.55	127.31
27	B	848	WVN	C21-C15-C13	-6.10	117.68	124.53
27	B	846	WVN	C04-C09-C05	-6.09	119.01	124.85
24	A	820	CLA	CMB-C2B-C1B	-6.08	119.12	128.46
24	c	605	CLA	C4A-NA-C1A	6.06	109.43	106.71
24	b	303	CLA	C4A-NA-C1A	6.05	109.43	106.71
35	d	310	KC2	CMD-C2D-C3D	6.04	135.97	124.68
27	F	204	WVN	C39-C40-C37	-6.03	111.12	123.47
24	c	603	CLA	C4A-NA-C1A	6.02	109.41	106.71
24	A	821	CLA	C4A-NA-C1A	6.02	109.41	106.71
34	g	319	IHT	C19-C10-C07	-6.02	117.77	124.53
24	B	814	CLA	C4A-NA-C1A	6.01	109.41	106.71
24	F	202	CLA	C4A-NA-C1A	6.01	109.41	106.71
24	g	309	CLA	C4A-NA-C1A	6.01	109.41	106.71
33	i	613	II0	C20-C14-C10	-5.99	116.21	124.35
24	A	806	CLA	C4A-NA-C1A	5.97	109.39	106.71
35	g	312	KC2	CMD-C2D-C3D	5.97	135.84	124.68
24	B	804	CLA	C4A-NA-C1A	5.96	109.39	106.71
24	A	819	CLA	C4A-NA-C1A	5.95	109.38	106.71
24	f	603	CLA	C4A-NA-C1A	5.95	109.38	106.71
24	h	312	CLA	CMB-C2B-C1B	-5.95	119.32	128.46
27	A	847	WVN	C26-C29-C31	-5.94	104.69	123.22
33	j	318	II0	C41-C39-C35	-5.94	118.84	127.31
27	L	206	WVN	C30-C28-C25	-5.93	118.85	127.31
35	i	609	KC2	CMD-C2D-C3D	5.92	135.76	124.68
24	B	803	CLA	C4A-NA-C1A	5.91	109.36	106.71
35	k	613	KC2	CMD-C2D-C3D	5.91	135.73	124.68
24	f	601	CLA	C4A-NA-C1A	5.90	109.36	106.71
27	A	847	WVN	C29-C26-C22	5.89	135.72	127.31
27	A	849	WVN	C20-C23-C25	-5.89	117.33	126.23
35	d	311	KC2	CHB-C4A-C3A	-5.89	115.78	124.98
33	f	616	II0	C42-C40-C36	-5.88	118.92	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	822	CLA	C4A-NA-C1A	5.88	109.35	106.71
33	d	314	II0	C41-C39-C35	-5.87	118.93	127.31
34	b	316	IHT	C30-C27-C23	-5.87	118.93	127.31
33	g	317	II0	C05-C07-C11	5.86	118.32	110.30
33	f	616	II0	C03-C09-C13	-5.85	114.37	122.63
27	B	845	WVN	C24-C22-C19	5.85	127.29	118.08
33	k	621	II0	C42-C40-C36	-5.85	118.97	127.31
24	K	101	CLA	C4A-NA-C1A	5.82	109.32	106.71
33	i	614	II0	C05-C07-C11	5.81	118.26	110.30
24	b	311	CLA	C4A-NA-C1A	5.80	109.31	106.71
33	g	317	II0	C41-C39-C35	-5.79	119.05	127.31
35	g	313	KC2	CMD-C2D-C1D	-5.78	119.58	128.46
33	k	617	II0	C04-C10-C14	-5.78	114.47	122.63
24	A	832	CLA	C4A-NA-C1A	5.77	109.30	106.71
33	b	318	II0	C20-C14-C10	-5.77	116.51	124.35
34	f	617	IHT	C19-C10-C07	-5.76	118.06	124.53
35	i	616	KC2	CHB-C4A-C3A	-5.75	116.00	124.98
24	A	803	CLA	C4A-NA-C1A	5.74	109.29	106.71
24	g	305	CLA	C4A-NA-C1A	5.73	109.28	106.71
24	B	805	CLA	C4A-NA-C1A	5.73	109.28	106.71
33	O	202	II0	C03-C09-C13	-5.72	114.55	122.63
33	d	315	II0	C41-C39-C35	-5.72	119.15	127.31
27	A	849	WVN	C30-C28-C25	-5.72	119.15	127.31
33	k	617	II0	C16-C03-C09	-5.72	101.39	110.47
35	k	612	KC2	C1A-C2A-C3A	-5.71	102.58	107.11
27	J	101	WVN	C30-C28-C25	-5.71	119.16	127.31
24	B	833	CLA	C4A-NA-C1A	5.68	109.26	106.71
34	c	615	IHT	C41-C38-C35	-5.68	119.20	127.31
33	e	614	II0	C41-C39-C35	-5.67	119.22	127.31
24	g	322	CLA	C4A-NA-C1A	5.66	109.25	106.71
24	A	834	CLA	CMB-C2B-C1B	-5.66	119.77	128.46
33	j	315	II0	C41-C39-C35	-5.66	119.24	127.31
33	c	613	II0	C19-C13-C09	-5.64	116.69	124.35
33	i	614	II0	C04-C10-C14	-5.63	114.68	122.63
33	b	315	II0	C03-C09-C13	-5.63	114.68	122.63
24	B	836	CLA	CAC-C3C-C4C	5.62	132.10	124.81
24	B	840	CLA	C4A-NA-C1A	5.61	109.23	106.71
24	F	201	CLA	C4A-NA-C1A	5.60	109.22	106.71
35	j	312	KC2	C1A-C2A-C3A	-5.60	102.67	107.11
27	R	202	WVN	C04-C09-C05	-5.60	119.48	124.85
27	B	847	WVN	C04-C09-C05	-5.60	119.48	124.85
24	A	814	CLA	CMB-C2B-C1B	-5.59	119.87	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	K	103	WVN	C30-C28-C25	-5.59	119.33	127.31
24	B	841	CLA	C4A-NA-C1A	5.58	109.22	106.71
24	A	827	CLA	CMB-C2B-C1B	-5.58	119.88	128.46
27	h	308	WVN	C29-C26-C22	-5.58	119.35	127.31
24	d	301	CLA	C4A-NA-C1A	5.57	109.21	106.71
24	A	804	CLA	C4A-NA-C1A	5.57	109.21	106.71
33	j	316	II0	C42-C40-C36	-5.56	119.37	127.31
24	A	828	CLA	C4A-NA-C1A	5.56	109.21	106.71
34	j	317	IHT	C09-C10-C07	-5.56	114.66	122.73
27	A	846	WVN	C04-C09-C05	-5.55	119.53	124.85
33	f	614	II0	C41-C39-C35	-5.55	119.39	127.31
24	A	824	CLA	C4A-NA-C1A	5.55	109.20	106.71
35	k	613	KC2	C3A-C4A-NA	5.53	116.60	110.57
24	B	824	CLA	C4A-NA-C1A	5.52	109.19	106.71
24	B	840	CLA	CMB-C2B-C1B	-5.51	119.99	128.46
35	g	313	KC2	CMD-C2D-C3D	5.51	134.98	124.68
24	b	307	CLA	CMB-C2B-C1B	-5.50	120.01	128.46
33	g	318	II0	C20-C14-C10	-5.50	116.88	124.35
24	B	812	CLA	C4A-NA-C1A	5.50	109.18	106.71
24	g	302	CLA	CMB-C2B-C1B	-5.50	120.02	128.46
34	b	316	IHT	C41-C38-C35	-5.49	119.47	127.31
24	B	815	CLA	C4A-NA-C1A	5.48	109.17	106.71
24	A	840	CLA	CMB-C2B-C1B	-5.47	120.05	128.46
24	h	301	CLA	C4A-NA-C1A	5.47	109.17	106.71
24	B	819	CLA	CMB-C2B-C1B	-5.47	120.05	128.46
33	d	313	II0	C41-C39-C35	-5.47	119.50	127.31
24	A	818	CLA	CMB-C2B-C1B	-5.47	120.06	128.46
24	a	310	CLA	C4A-NA-C1A	5.47	109.16	106.71
35	j	312	KC2	C4B-CHC-C1C	-5.47	114.27	126.06
24	a	304	CLA	C4A-NA-C1A	5.46	109.16	106.71
24	A	816	CLA	CMB-C2B-C1B	-5.46	120.07	128.46
24	c	601	CLA	C4A-NA-C1A	5.46	109.16	106.71
33	j	316	II0	C41-C39-C35	-5.46	119.52	127.31
35	e	609	KC2	C1A-C2A-C3A	-5.46	102.78	107.11
33	k	616	II0	C29-C31-C33	-5.44	106.25	123.22
24	g	304	CLA	CMB-C2B-C1B	-5.43	120.12	128.46
27	A	850	WVN	C39-C36-C32	-5.43	119.56	127.31
24	e	611	CLA	C4A-NA-C1A	5.43	109.15	106.71
24	J	103	CLA	CMB-C2B-C1B	-5.42	120.13	128.46
24	e	610	CLA	C4A-NA-C1A	5.42	109.14	106.71
35	e	609	KC2	C4B-CHC-C1C	-5.42	114.36	126.06
24	f	610	CLA	C4A-NA-C1A	5.42	109.14	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	d	304	CLA	C4A-NA-C1A	5.42	109.14	106.71
27	j	301	WVN	C29-C26-C22	-5.40	119.60	127.31
34	c	615	IHT	C30-C27-C23	-5.40	119.60	127.31
24	I	102	CLA	C4A-NA-C1A	5.39	109.13	106.71
33	e	612	II0	C03-C09-C13	-5.39	115.02	122.63
33	e	614	II0	C42-C40-C36	-5.39	119.62	127.31
27	B	847	WVN	C40-C39-C36	-5.39	112.44	123.47
24	e	602	CLA	C4A-NA-C1A	5.39	109.13	106.71
33	i	612	II0	C03-C09-C13	-5.39	115.03	122.63
24	g	308	CLA	CMB-C2B-C1B	-5.38	120.19	128.46
33	O	202	II0	C42-C40-C36	-5.38	119.64	127.31
24	B	801	CLA	C4A-NA-C1A	5.38	109.12	106.71
33	j	318	II0	C20-C14-C10	-5.38	117.05	124.35
24	B	801	CLA	CMB-C2B-C1B	-5.37	120.21	128.46
24	i	603	CLA	C4A-NA-C1A	5.37	109.12	106.71
35	g	312	KC2	C4B-CHC-C1C	-5.37	114.48	126.06
24	B	806	CLA	C4A-NA-C1A	5.37	109.12	106.71
27	A	849	WVN	C21-C15-C13	-5.36	118.51	124.53
35	e	609	KC2	CHD-C4C-C3C	-5.35	106.70	126.11
34	b	316	IHT	C40-C37-C33	-5.35	119.67	127.31
24	A	815	CLA	C4A-NA-C1A	5.35	109.11	106.71
24	g	306	CLA	C4A-NA-C1A	5.35	109.11	106.71
24	b	305	CLA	C4A-NA-C1A	5.34	109.11	106.71
34	j	317	IHT	C41-C38-C35	-5.34	119.68	127.31
24	A	803	CLA	CMB-C2B-C1B	-5.34	120.25	128.46
33	b	318	II0	C03-C09-C13	-5.34	115.10	122.63
24	A	833	CLA	C4A-NA-C1A	5.34	109.11	106.71
24	B	832	CLA	CMB-C2B-C1B	-5.34	120.26	128.46
33	j	315	II0	C42-C40-C36	-5.33	119.70	127.31
24	B	823	CLA	CMB-C2B-C1B	-5.33	120.27	128.46
24	B	826	CLA	CMB-C2B-C1B	-5.33	120.28	128.46
33	h	310	II0	C41-C39-C35	-5.33	119.71	127.31
27	L	201	WVN	C40-C37-C34	-5.32	119.71	127.31
35	i	609	KC2	C3A-C4A-NA	5.32	116.38	110.57
27	L	205	WVN	C29-C26-C22	-5.32	119.72	127.31
27	L	206	WVN	C04-C09-C05	-5.32	119.75	124.85
33	f	615	II0	C41-C39-C35	-5.31	119.72	127.31
24	a	306	CLA	C4A-NA-C1A	5.31	109.09	106.71
24	B	818	CLA	C4A-NA-C1A	5.31	109.09	106.71
35	g	313	KC2	CHC-C1C-NC	-5.31	115.84	124.20
33	d	315	II0	C42-C40-C36	-5.31	119.74	127.31
27	B	848	WVN	C04-C09-C05	-5.30	119.76	124.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	d	302	CLA	CMB-C2B-C1B	-5.30	120.31	128.46
24	O	201	CLA	C4A-NA-C1A	5.29	109.08	106.71
24	A	829	CLA	CMB-C2B-C1B	-5.28	120.34	128.46
35	g	312	KC2	C3A-C4A-NA	5.28	116.34	110.57
30	B	843	DGD	O2G-C1B-C2B	5.28	122.88	111.50
24	c	609	CLA	CMB-C2B-C1B	-5.28	120.35	128.46
27	R	202	WVN	C39-C36-C32	-5.28	119.78	127.31
24	a	305	CLA	CMB-C2B-C1B	-5.28	120.35	128.46
24	j	310	CLA	CMB-C2B-C1B	-5.28	120.35	128.46
24	A	825	CLA	C4A-NA-C1A	5.27	109.08	106.71
24	B	809	CLA	C4A-NA-C1A	5.26	109.07	106.71
34	b	317	IHT	C32-C33-C37	5.26	127.02	118.94
33	g	316	II0	C19-C13-C09	-5.26	117.20	124.35
24	A	802	CLA	CMB-C2B-C1B	-5.26	120.38	128.46
24	d	307	CLA	C4A-NA-C1A	5.25	109.06	106.71
34	f	617	IHT	C36-C33-C37	-5.24	115.58	122.92
24	A	834	CLA	CMB-C2B-C3B	5.24	134.48	124.68
33	g	320	II0	C20-C14-C10	-5.23	117.24	124.35
33	f	618	II0	C03-C09-C13	-5.23	115.25	122.63
24	i	603	CLA	CMB-C2B-C1B	-5.22	120.44	128.46
27	J	102	WVN	C29-C26-C22	-5.22	119.86	127.31
33	d	314	II0	C41-C42-C40	-5.22	112.78	123.47
35	g	312	KC2	O1D-CGD-CBD	-5.22	113.81	124.48
35	d	310	KC2	C4B-CHC-C1C	-5.22	114.80	126.06
27	A	847	WVN	C19-C22-C26	5.22	126.94	118.94
24	B	828	CLA	CMB-C2B-C1B	-5.21	120.46	128.46
35	k	611	KC2	C4B-CHC-C1C	-5.21	114.82	126.06
24	B	806	CLA	CMB-C2B-C1B	-5.21	120.46	128.46
27	h	308	WVN	C30-C28-C25	-5.20	119.88	127.31
34	j	317	IHT	C30-C27-C23	-5.20	119.89	127.31
24	f	608	CLA	CMB-C2B-C1B	-5.20	120.47	128.46
35	d	311	KC2	C4B-CHC-C1C	-5.20	114.85	126.06
24	B	809	CLA	CMB-C2B-C1B	-5.20	120.48	128.46
33	e	616	II0	C05-C07-C11	5.19	117.41	110.30
24	J	103	CLA	CMB-C2B-C3B	5.18	134.38	124.68
35	k	613	KC2	CHC-C1C-NC	-5.18	116.04	124.20
24	k	605	CLA	C4A-NA-C1A	5.18	109.04	106.71
24	b	304	CLA	C4A-NA-C1A	5.17	109.03	106.71
33	j	315	II0	C20-C14-C10	-5.17	117.32	124.35
27	J	102	WVN	C39-C36-C32	-5.17	119.93	127.31
27	F	204	WVN	C29-C26-C22	-5.17	119.93	127.31
33	b	314	II0	C19-C13-C09	-5.16	117.33	124.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	804	CLA	CMB-C2B-C1B	-5.15	120.54	128.46
24	A	805	CLA	C4A-NA-C1A	5.15	109.02	106.71
24	g	304	CLA	C4A-NA-C1A	5.15	109.02	106.71
35	d	311	KC2	C1B-CHB-C4A	-5.15	114.96	126.06
24	A	842	CLA	C4A-NA-C1A	5.14	109.02	106.71
33	e	614	II0	C03-C09-C13	-5.14	115.38	122.63
24	A	815	CLA	CMB-C2B-C3B	5.14	134.29	124.68
27	M	101	WVN	C20-C23-C25	-5.13	118.48	126.23
35	j	312	KC2	C3A-C4A-NA	5.13	116.17	110.57
24	j	309	CLA	C4A-NA-C1A	5.12	109.01	106.71
24	B	804	CLA	CAC-C3C-C4C	5.12	131.45	124.81
34	c	615	IHT	C40-C37-C33	-5.12	120.01	127.31
24	A	809	CLA	C4A-NA-C1A	5.12	109.01	106.71
24	R	203	CLA	CMB-C2B-C1B	-5.12	120.60	128.46
24	k	602	CLA	C4A-NA-C1A	5.11	109.00	106.71
35	i	616	KC2	CHC-C1C-NC	-5.11	116.16	124.20
35	g	312	KC2	O2D-CGD-CBD	5.11	120.34	111.27
35	g	313	KC2	C3A-C4A-NA	5.10	116.14	110.57
33	d	313	II0	C04-C10-C14	-5.10	115.43	122.63
35	k	611	KC2	CHD-C4C-C3C	-5.10	107.62	126.11
24	B	822	CLA	O2A-C1-C2	-5.10	95.23	108.64
34	k	618	IHT	C18-C22-C23	-5.10	118.53	126.23
27	A	849	WVN	C08-C01-C02	5.10	117.27	109.55
27	A	846	WVN	C39-C36-C32	-5.09	120.05	127.31
35	f	611	KC2	C4B-CHC-C1C	-5.09	115.08	126.06
33	k	621	II0	C41-C39-C35	-5.09	120.05	127.31
34	O	203	IHT	C30-C27-C23	-5.09	120.05	127.31
35	f	611	KC2	CHC-C1C-NC	-5.08	116.20	124.20
33	a	317	II0	C31-C33-C35	-5.08	112.15	126.42
24	f	604	CLA	C4A-NA-C1A	5.08	108.99	106.71
24	g	310	CLA	CMB-C2B-C1B	-5.08	120.66	128.46
24	A	811	CLA	C4A-NA-C1A	5.07	108.99	106.71
24	L	202	CLA	C4A-NA-C1A	5.07	108.99	106.71
24	A	807	CLA	CMB-C2B-C1B	-5.07	120.67	128.46
33	a	317	II0	C30-C32-C34	-5.07	107.39	123.22
24	a	302	CLA	C4A-NA-C1A	5.06	108.98	106.71
34	j	317	IHT	C40-C37-C33	-5.06	120.08	127.31
27	L	206	WVN	C20-C23-C25	-5.06	118.59	126.23
24	B	820	CLA	C4A-NA-C1A	5.06	108.98	106.71
26	g	321	LHG	O7-C7-C8	5.06	122.40	111.50
24	a	312	CLA	CMB-C2B-C1B	-5.05	120.70	128.46
33	f	616	II0	C06-C08-C12	5.04	117.21	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	j	312	KC2	C4B-C3B-C2B	-5.04	102.61	106.75
27	B	846	WVN	C40-C37-C34	-5.04	120.12	127.31
24	k	604	CLA	CMB-C2B-C1B	-5.03	120.73	128.46
24	B	825	CLA	CMB-C2B-C1B	-5.03	120.73	128.46
33	a	315	II0	C42-C40-C36	-5.03	120.13	127.31
35	k	611	KC2	O2D-CGD-CBD	5.02	120.19	111.27
27	R	202	WVN	C30-C28-C25	-5.02	120.14	127.31
24	h	301	CLA	CMB-C2B-C1B	-5.02	120.75	128.46
24	A	830	CLA	C4A-NA-C1A	5.02	108.96	106.71
34	g	319	IHT	C40-C37-C33	-5.02	120.15	127.31
27	B	847	WVN	C35-C32-C31	5.02	125.98	118.08
34	O	203	IHT	C41-C38-C35	-5.01	120.15	127.31
34	O	203	IHT	C03-C11-C15	-5.01	115.55	122.63
24	c	604	CLA	C4A-NA-C1A	5.01	108.96	106.71
24	L	207	CLA	CMB-C2B-C1B	-5.01	120.76	128.46
35	i	609	KC2	C4B-CHC-C1C	-5.01	115.25	126.06
24	A	842	CLA	CMB-C2B-C1B	-5.01	120.77	128.46
24	f	609	CLA	C4A-NA-C1A	5.00	108.96	106.71
24	B	837	CLA	C4A-NA-C1A	5.00	108.95	106.71
35	f	611	KC2	CHD-C4C-C3C	-5.00	108.00	126.11
34	f	617	IHT	C09-C10-C07	-5.00	115.48	122.73
24	B	822	CLA	CMB-C2B-C1B	-5.00	120.78	128.46
24	j	305	CLA	CMB-C2B-C1B	-4.99	120.79	128.46
27	L	206	WVN	C38-C34-C33	4.99	125.94	118.08
35	d	310	KC2	C3A-C4A-NA	4.99	116.02	110.57
24	A	821	CLA	CMB-C2B-C1B	-4.99	120.80	128.46
24	A	841	CLA	C4A-NA-C1A	4.99	108.95	106.71
24	e	610	CLA	CMB-C2B-C1B	-4.98	120.80	128.46
24	A	841	CLA	CMB-C2B-C1B	-4.98	120.81	128.46
24	h	303	CLA	CMB-C2B-C1B	-4.98	120.81	128.46
24	i	602	CLA	C4A-NA-C1A	4.98	108.94	106.71
33	d	315	II0	C19-C13-C09	-4.98	117.59	124.35
35	i	616	KC2	C4B-CHC-C1C	-4.98	115.32	126.06
33	g	318	II0	C03-C09-C13	-4.98	115.61	122.63
24	c	612	CLA	CMB-C2B-C1B	-4.97	120.82	128.46
24	j	305	CLA	C4A-NA-C1A	4.97	108.94	106.71
24	A	830	CLA	CMB-C2B-C1B	-4.97	120.82	128.46
35	c	610	KC2	C3A-C4A-NA	4.97	116.00	110.57
35	j	312	KC2	CHD-C4C-C3C	-4.97	108.10	126.11
33	b	318	II0	C41-C39-C35	-4.97	120.22	127.31
35	i	616	KC2	CHD-C4C-C3C	-4.97	108.11	126.11
35	e	609	KC2	CHB-C1B-C2B	-4.96	115.07	125.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	j	317	IHT	C02-C07-C10	-4.96	115.63	122.61
35	g	314	KC2	C3A-C4A-NA	4.96	115.99	110.57
24	L	203	CLA	C4A-NA-C1A	4.96	108.94	106.71
24	e	602	CLA	CMB-C2B-C1B	-4.96	120.84	128.46
24	g	305	CLA	CMB-C2B-C1B	-4.96	120.85	128.46
24	A	820	CLA	C4A-NA-C1A	4.96	108.93	106.71
24	B	833	CLA	CMB-C2B-C1B	-4.95	120.85	128.46
35	g	312	KC2	C4B-C3B-C2B	-4.94	102.70	106.75
27	A	847	WVN	C31-C32-C36	4.94	126.52	118.94
27	M	101	WVN	C39-C36-C32	-4.94	120.27	127.31
34	j	317	IHT	C18-C22-C23	-4.93	118.78	126.23
35	c	610	KC2	CHD-C4C-C3C	-4.92	108.26	126.11
24	B	831	CLA	C4A-NA-C1A	4.92	108.92	106.71
35	f	611	KC2	C3A-C4A-NA	4.92	115.94	110.57
34	f	617	IHT	C22-C23-C27	4.92	126.49	118.94
35	j	312	KC2	CHB-C1B-C2B	-4.91	115.18	125.48
24	j	314	CLA	CMB-C2B-C1B	-4.91	120.92	128.46
24	b	307	CLA	C4A-NA-C1A	4.90	108.91	106.71
34	R	204	IHT	C30-C27-C23	-4.90	120.31	127.31
27	M	101	WVN	C01-C02-C11	-4.90	106.51	112.70
24	A	807	CLA	C4A-NA-C1A	4.89	108.91	106.71
24	k	608	CLA	C4A-NA-C1A	4.89	108.90	106.71
27	B	849	WVN	C30-C28-C25	-4.89	120.34	127.31
24	A	816	CLA	CMB-C2B-C3B	4.89	133.82	124.68
24	K	101	CLA	CMB-C2B-C1B	-4.88	120.96	128.46
27	j	301	WVN	C39-C36-C32	-4.88	120.34	127.31
35	g	314	KC2	C4B-CHC-C1C	-4.88	115.53	126.06
35	g	314	KC2	CHC-C1C-NC	-4.87	116.53	124.20
35	i	609	KC2	CHD-C4C-C3C	-4.87	108.46	126.11
27	B	845	WVN	C40-C37-C34	-4.87	120.36	127.31
35	g	314	KC2	CHD-C4C-C3C	-4.87	108.46	126.11
35	d	310	KC2	C4B-C3B-C2B	-4.86	102.76	106.75
35	d	310	KC2	CHD-C4C-C3C	-4.86	108.50	126.11
35	c	610	KC2	C4B-CHC-C1C	-4.85	115.58	126.06
33	d	314	II0	C20-C14-C10	-4.85	117.75	124.35
24	A	804	CLA	CMB-C2B-C1B	-4.85	121.01	128.46
24	A	832	CLA	O2D-CGD-O1D	-4.85	114.36	123.84
27	L	201	WVN	C39-C36-C32	-4.84	120.40	127.31
33	k	616	II0	C41-C42-C40	-4.84	113.56	123.47
24	A	801	CLA	C4A-NA-C1A	4.84	108.88	106.71
24	f	602	CLA	C4A-NA-C1A	4.84	108.88	106.71
33	k	615	II0	C04-C10-C14	-4.84	115.81	122.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	839	CLA	C4A-NA-C1A	4.84	108.88	106.71
33	b	315	II0	C32-C34-C36	-4.83	112.84	126.42
33	c	616	II0	C04-C10-C14	-4.83	115.81	122.63
24	h	303	CLA	C4A-NA-C1A	4.83	108.88	106.71
24	B	801	CLA	CMB-C2B-C3B	4.83	133.71	124.68
35	g	313	KC2	CHB-C1B-C2B	-4.83	115.35	125.48
24	A	834	CLA	C4A-NA-C1A	4.83	108.88	106.71
24	k	604	CLA	C4A-NA-C1A	4.82	108.88	106.71
34	c	615	IHT	C02-C07-C10	-4.82	115.83	122.61
27	L	205	WVN	C30-C28-C25	-4.82	120.44	127.31
34	b	317	IHT	C40-C41-C38	-4.82	113.61	123.47
24	g	315	CLA	CMB-C2B-C1B	-4.81	121.07	128.46
27	h	308	WVN	C39-C36-C32	-4.81	120.44	127.31
34	g	319	IHT	C18-C22-C23	-4.81	118.97	126.23
33	a	317	II0	C04-C10-C14	-4.81	115.85	122.63
24	A	852	CLA	C4A-NA-C1A	4.81	108.87	106.71
27	F	205	WVN	C30-C33-C34	-4.81	112.92	126.42
27	L	201	WVN	C29-C26-C22	-4.80	120.45	127.31
24	A	822	CLA	C4A-NA-C1A	4.80	108.86	106.71
35	k	611	KC2	C1B-CHB-C4A	-4.80	115.71	126.06
35	k	611	KC2	C4B-C3B-C2B	-4.80	102.81	106.75
24	B	813	CLA	C4A-NA-C1A	4.80	108.86	106.71
24	B	819	CLA	C4A-NA-C1A	4.79	108.86	106.71
27	j	301	WVN	C40-C37-C34	-4.79	120.47	127.31
24	K	102	CLA	C4A-NA-C1A	4.79	108.86	106.71
33	d	315	II0	C05-C07-C11	4.79	116.86	110.30
24	h	302	CLA	C4A-NA-C1A	4.79	108.86	106.71
24	c	607	CLA	CMB-C2B-C1B	-4.79	121.11	128.46
35	c	610	KC2	CHC-C1C-NC	-4.79	116.67	124.20
24	h	305	CLA	CMB-C2B-C1B	-4.79	121.11	128.46
35	k	613	KC2	CHB-C1B-C2B	-4.79	115.44	125.48
33	g	318	II0	C41-C39-C35	-4.78	120.48	127.31
24	d	312	CLA	CMB-C2B-C1B	-4.78	121.11	128.46
33	a	313	II0	C19-C13-C09	-4.78	117.85	124.35
34	g	319	IHT	C09-C10-C07	-4.78	115.80	122.73
24	i	610	CLA	C4A-NA-C1A	-4.78	104.56	106.71
24	A	840	CLA	C4A-NA-C1A	4.77	108.85	106.71
27	M	101	WVN	C40-C37-C34	-4.77	120.50	127.31
33	i	614	II0	C41-C39-C35	-4.77	120.50	127.31
27	A	847	WVN	C24-C22-C26	-4.77	116.24	122.92
27	A	846	WVN	C21-C15-C13	-4.76	119.18	124.53
24	e	603	CLA	CMB-C2B-C1B	-4.76	121.15	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	d	314	II0	C06-C08-C12	4.76	116.82	110.30
33	c	616	II0	C19-C13-C09	-4.75	117.89	124.35
24	B	828	CLA	CMB-C2B-C3B	4.75	133.57	124.68
33	j	318	II0	C19-C13-C09	-4.75	117.90	124.35
24	g	302	CLA	CMB-C2B-C3B	4.75	133.56	124.68
24	k	603	CLA	CMB-C2B-C1B	-4.75	121.17	128.46
24	A	827	CLA	CMB-C2B-C3B	4.74	133.55	124.68
35	i	609	KC2	CHB-C1B-C2B	-4.74	115.53	125.48
33	f	618	II0	C31-C33-C35	-4.74	113.10	126.42
35	d	311	KC2	CHB-C1B-C2B	-4.74	115.54	125.48
33	e	612	II0	C05-C07-C11	4.74	116.79	110.30
33	k	617	II0	C41-C39-C35	-4.73	120.55	127.31
24	L	202	CLA	CMB-C2B-C1B	-4.72	121.21	128.46
27	A	846	WVN	C40-C37-C34	-4.72	120.58	127.31
33	b	315	II0	C19-C13-C11	4.72	123.09	114.36
33	g	320	II0	C19-C13-C09	-4.72	117.94	124.35
24	B	830	CLA	C4A-NA-C1A	4.72	108.83	106.71
24	f	604	CLA	CMB-C2B-C1B	-4.71	121.22	128.46
35	g	313	KC2	CHD-C4C-C3C	-4.71	109.04	126.11
34	b	317	IHT	C02-C07-C10	-4.71	115.98	122.61
24	h	304	CLA	CMB-C2B-C1B	-4.71	121.23	128.46
27	F	205	WVN	C23-C25-C28	4.71	126.16	118.94
24	A	825	CLA	CMB-C2B-C1B	-4.70	121.23	128.46
24	A	814	CLA	CMB-C2B-C3B	4.70	133.47	124.68
24	B	819	CLA	CMB-C2B-C3B	4.70	133.47	124.68
35	i	609	KC2	C1B-CHB-C4A	-4.70	115.92	126.06
24	g	304	CLA	CMB-C2B-C3B	4.70	133.47	124.68
35	f	611	KC2	C1B-CHB-C4A	-4.70	115.92	126.06
35	e	609	KC2	C4B-C3B-C2B	-4.70	102.89	106.75
24	f	605	CLA	C4A-NA-C1A	4.69	108.82	106.71
35	k	612	KC2	C1B-CHB-C4A	-4.69	115.94	126.06
27	e	615	WVN	C04-C09-C05	-4.69	120.35	124.85
33	i	612	II0	C19-C13-C09	-4.69	117.98	124.35
35	d	310	KC2	CHC-C1C-NC	-4.69	116.82	124.20
27	F	204	WVN	C06-C13-C15	-4.69	116.01	122.61
26	i	615	LHG	O7-C7-C8	4.69	121.61	111.50
24	g	308	CLA	CMB-C2B-C3B	4.69	133.45	124.68
24	A	837	CLA	C4A-NA-C1A	4.68	108.81	106.71
27	B	846	WVN	C20-C23-C25	-4.68	119.16	126.23
24	A	808	CLA	CMB-C2B-C1B	-4.68	121.27	128.46
24	B	835	CLA	C4A-NA-C1A	4.68	108.81	106.71
35	j	312	KC2	C1B-CHB-C4A	-4.68	115.97	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	803	CLA	CMB-C2B-C3B	4.68	133.43	124.68
33	i	614	II0	C42-C40-C36	-4.67	120.64	127.31
35	g	313	KC2	C1B-CHB-C4A	-4.67	115.98	126.06
35	k	613	KC2	CHD-C4C-C3C	-4.67	109.19	126.11
26	f	619	LHG	O7-C7-C8	4.67	121.56	111.50
33	h	310	II0	C42-C40-C36	-4.67	120.65	127.31
24	A	836	CLA	CMB-C2B-C1B	-4.66	121.29	128.46
24	b	312	CLA	C4A-NA-C1A	4.66	108.80	106.71
35	e	609	KC2	C1B-CHB-C4A	-4.66	116.01	126.06
24	B	811	CLA	C4A-NA-C1A	4.66	108.80	106.71
35	g	313	KC2	C4B-CHC-C1C	-4.65	116.02	126.06
35	k	612	KC2	C4B-CHC-C1C	-4.65	116.02	126.06
24	B	840	CLA	CMB-C2B-C3B	4.65	133.38	124.68
24	B	817	CLA	CMB-C2B-C1B	-4.65	121.32	128.46
33	a	317	II0	C34-C36-C40	4.65	126.07	118.94
26	b	302	LHG	O7-C7-C8	4.65	121.51	111.50
33	b	314	II0	C27-C25-C23	-4.65	107.64	116.84
24	A	802	CLA	CMB-C2B-C3B	4.64	133.36	124.68
24	B	831	CLA	CMB-C2B-C1B	-4.64	121.34	128.46
35	f	611	KC2	CHB-C1B-C2B	-4.63	115.76	125.48
24	a	305	CLA	CMB-C2B-C3B	4.63	133.35	124.68
33	J	104	II0	C42-C40-C36	-4.63	120.70	127.31
24	j	304	CLA	C4A-NA-C1A	4.63	108.79	106.71
35	g	314	KC2	CHB-C1B-C2B	-4.63	115.77	125.48
35	e	609	KC2	CHC-C1C-NC	-4.63	116.92	124.20
24	j	304	CLA	CMB-C2B-C1B	-4.63	121.36	128.46
35	e	609	KC2	C3A-C4A-NA	4.62	115.62	110.57
35	k	613	KC2	C4B-CHC-C1C	-4.62	116.08	126.06
24	B	832	CLA	CMB-C2B-C3B	4.62	133.33	124.68
24	A	856	CLA	CAA-C2A-C3A	-4.62	105.31	116.10
24	b	307	CLA	CMB-C2B-C3B	4.62	133.32	124.68
35	d	310	KC2	CHB-C1B-C2B	-4.62	115.79	125.48
33	g	320	II0	C41-C39-C35	-4.62	120.72	127.31
24	i	610	CLA	CMB-C2B-C1B	-4.61	121.37	128.46
24	f	608	CLA	CMB-C2B-C3B	4.61	133.31	124.68
24	A	812	CLA	CMB-C2B-C1B	-4.61	121.38	128.46
26	c	617	LHG	O7-C7-C8	4.61	121.43	111.50
24	A	826	CLA	CMB-C2B-C1B	-4.60	121.39	128.46
34	k	618	IHT	C19-C10-C07	-4.60	119.36	124.53
35	c	610	KC2	CHB-C1B-C2B	-4.60	115.84	125.48
24	B	816	CLA	CMB-C2B-C1B	-4.60	121.40	128.46
24	e	607	CLA	CMB-C2B-C1B	-4.59	121.40	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	848	WVN	C21-C15-C13	-4.58	119.38	124.53
24	B	837	CLA	CMB-C2B-C1B	-4.58	121.42	128.46
24	b	311	CLA	CMB-C2B-C1B	-4.58	121.43	128.46
34	b	316	IHT	C19-C10-C07	-4.57	119.39	124.53
27	A	847	WVN	C04-C09-C05	-4.57	120.47	124.85
24	A	840	CLA	CMB-C2B-C3B	4.57	133.23	124.68
26	A	845	LHG	O7-C7-C8	4.57	121.35	111.50
34	O	203	IHT	C02-C07-C10	-4.57	116.18	122.61
35	g	314	KC2	C1B-CHB-C4A	-4.57	116.21	126.06
27	J	102	WVN	C40-C37-C34	-4.56	120.80	127.31
35	d	311	KC2	CHD-C4C-C3C	-4.56	109.57	126.11
24	A	827	CLA	C4A-NA-C1A	4.56	108.76	106.71
24	h	312	CLA	CMB-C2B-C3B	4.56	133.22	124.68
24	B	836	CLA	C4A-NA-C1A	4.56	108.75	106.71
24	B	808	CLA	C4A-NA-C1A	4.56	108.75	106.71
24	A	809	CLA	CMB-C2B-C1B	-4.55	121.47	128.46
35	i	609	KC2	CHC-C1C-NC	-4.55	117.04	124.20
24	j	309	CLA	CMB-C2B-C1B	-4.55	121.48	128.46
24	B	806	CLA	CMB-C2B-C3B	4.55	133.18	124.68
24	d	302	CLA	CMB-C2B-C3B	4.55	133.18	124.68
33	a	315	II0	C03-C09-C13	-4.55	116.22	122.63
24	c	606	CLA	C4A-NA-C1A	4.54	108.75	106.71
35	g	312	KC2	CHB-C1B-C2B	-4.54	115.95	125.48
24	B	816	CLA	C4A-NA-C1A	4.54	108.75	106.71
33	j	315	II0	C32-C34-C36	-4.54	113.66	126.42
24	B	826	CLA	CMB-C2B-C3B	4.54	133.17	124.68
33	g	320	II0	C42-C40-C36	-4.54	120.83	127.31
27	K	103	WVN	C04-C09-C05	-4.53	120.50	124.85
34	b	317	IHT	C36-C33-C37	-4.53	116.58	122.92
33	J	104	II0	C32-C34-C36	-4.53	113.69	126.42
27	J	101	WVN	C21-C15-C13	-4.53	119.44	124.53
34	a	316	IHT	C19-C10-C07	-4.53	119.44	124.53
33	c	616	II0	C42-C40-C36	-4.52	120.85	127.31
24	B	813	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
27	B	845	WVN	C39-C40-C37	-4.52	114.21	123.47
24	c	608	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
35	g	312	KC2	CHD-C4C-C3C	-4.52	109.73	126.11
24	i	607	CLA	CMB-C2B-C1B	-4.52	121.52	128.46
24	j	310	CLA	CMB-C2B-C3B	4.51	133.12	124.68
24	c	609	CLA	CMB-C2B-C3B	4.51	133.12	124.68
24	A	838	CLA	CMB-C2B-C1B	-4.51	121.53	128.46
24	A	820	CLA	CMB-C2B-C3B	4.51	133.11	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	a	303	CLA	CMB-C2B-C1B	-4.50	121.55	128.46
24	k	609	CLA	CMB-C2B-C1B	-4.50	121.55	128.46
35	d	310	KC2	C1B-CHB-C4A	-4.49	116.37	126.06
35	k	611	KC2	CHC-C1C-NC	-4.49	117.13	124.20
33	i	613	II0	C41-C39-C35	-4.49	120.90	127.31
24	A	817	CLA	CMB-C2B-C1B	-4.49	121.57	128.46
33	h	311	II0	C19-C13-C09	-4.48	118.26	124.35
24	A	852	CLA	CMB-C2B-C1B	-4.48	121.58	128.46
35	k	611	KC2	C3A-C4A-NA	4.48	115.46	110.57
35	g	312	KC2	CHC-C1C-NC	-4.47	117.16	124.20
32	b	301	LMG	O7-C10-C11	4.47	121.14	111.50
24	A	838	CLA	C4A-NA-C1A	4.47	108.72	106.71
35	d	311	KC2	C3A-C4A-NA	4.47	115.45	110.57
33	c	614	II0	C04-C10-C14	-4.47	116.33	122.63
24	k	606	CLA	C4A-NA-C1A	4.46	108.71	106.71
24	e	606	CLA	CMB-C2B-C1B	-4.46	121.61	128.46
33	k	616	II0	C20-C14-C10	-4.46	118.29	124.35
24	R	203	CLA	CMB-C2B-C3B	4.45	133.00	124.68
24	B	824	CLA	CMB-C2B-C1B	-4.45	121.63	128.46
24	B	825	CLA	CMB-C2B-C3B	4.45	133.00	124.68
33	d	314	II0	C04-C10-C14	-4.45	116.35	122.63
27	B	845	WVN	C19-C22-C26	-4.45	112.12	118.94
24	i	605	CLA	C4A-NA-C1A	4.44	108.70	106.71
35	k	613	KC2	C1B-CHB-C4A	-4.44	116.47	126.06
24	A	836	CLA	CAA-CBA-CGA	-4.44	100.28	113.25
35	c	610	KC2	C1B-CHB-C4A	-4.44	116.48	126.06
27	e	615	WVN	C21-C15-C13	-4.44	119.54	124.53
35	d	311	KC2	C4B-C3B-C2B	-4.44	103.11	106.75
24	B	823	CLA	CMB-C2B-C3B	4.43	132.97	124.68
27	A	848	WVN	C40-C37-C34	-4.43	120.98	127.31
24	g	310	CLA	CMB-C2B-C3B	4.43	132.97	124.68
24	k	614	CLA	C1B-CHB-C4A	-4.43	121.34	130.12
24	B	832	CLA	C4A-NA-C1A	4.43	108.70	106.71
35	i	609	KC2	C4B-C3B-C2B	-4.43	103.11	106.75
33	d	315	II0	C04-C10-C14	-4.43	116.38	122.63
35	i	616	KC2	C3A-C4A-NA	4.43	115.40	110.57
24	B	828	CLA	C4A-NA-C1A	4.42	108.69	106.71
24	B	807	CLA	CMB-C2B-C1B	-4.42	121.68	128.46
35	k	611	KC2	CHB-C1B-C2B	-4.42	116.22	125.48
35	i	616	KC2	CHB-C1B-C2B	-4.41	116.24	125.48
24	B	804	CLA	CMB-C2B-C3B	4.40	132.92	124.68
24	B	841	CLA	CMB-C2B-C1B	-4.40	121.70	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	g	317	II0	C20-C14-C10	-4.40	118.37	124.35
24	L	207	CLA	C4A-NA-C1A	4.40	108.69	106.71
24	h	303	CLA	CMB-C2B-C3B	4.40	132.91	124.68
27	R	201	WVN	C39-C36-C32	-4.39	121.04	127.31
24	e	605	CLA	C4A-NA-C1A	4.39	108.68	106.71
24	A	824	CLA	CMB-C2B-C1B	-4.39	121.72	128.46
26	j	319	LHG	O7-C7-C8	4.38	120.95	111.50
35	c	610	KC2	C4B-C3B-C2B	-4.38	103.15	106.75
24	k	603	CLA	O2D-CGD-CBD	4.38	119.05	111.27
27	J	101	WVN	C40-C37-C34	-4.38	121.06	127.31
24	B	815	CLA	CMB-C2B-C1B	-4.38	121.74	128.46
24	h	305	CLA	C4A-NA-C1A	4.37	108.67	106.71
24	B	812	CLA	CMB-C2B-C1B	-4.37	121.74	128.46
24	K	101	CLA	CMB-C2B-C3B	4.37	132.85	124.68
24	B	835	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
35	d	311	KC2	CHC-C1C-NC	-4.36	117.33	124.20
33	k	617	II0	C05-C03-C09	4.36	118.46	109.62
33	j	316	II0	C19-C13-C09	-4.36	118.43	124.35
24	f	612	CLA	CMB-C2B-C1B	-4.36	121.77	128.46
28	A	851	LMT	C3'-C4'-C5'	-4.36	100.94	110.93
33	f	618	II0	C06-C04-C10	4.36	118.45	109.62
24	c	612	CLA	CMB-C2B-C3B	4.34	132.81	124.68
35	j	312	KC2	CHC-C1C-NC	-4.34	117.37	124.20
24	A	842	CLA	CMB-C2B-C3B	4.34	132.80	124.68
33	h	310	II0	C20-C14-C10	-4.34	118.46	124.35
24	j	302	CLA	CMB-C2B-C1B	-4.33	121.80	128.46
33	f	616	II0	C41-C39-C35	-4.33	121.12	127.31
24	i	604	CLA	CAA-CBA-CGA	-4.33	100.60	113.25
24	A	804	CLA	CMB-C2B-C3B	4.32	132.77	124.68
35	k	612	KC2	C3A-C4A-NA	4.32	115.29	110.57
24	A	802	CLA	C4A-NA-C1A	4.32	108.65	106.71
34	j	317	IHT	C19-C10-C07	-4.32	119.67	124.53
24	c	603	CLA	CMB-C2B-C1B	-4.32	121.82	128.46
33	g	317	II0	C42-C40-C36	-4.32	121.15	127.31
24	B	814	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
24	e	607	CLA	C4A-NA-C1A	4.32	108.65	106.71
24	B	818	CLA	CMB-C2B-C3B	4.31	132.75	124.68
24	c	608	CLA	C4A-NA-C1A	4.31	108.64	106.71
24	k	603	CLA	CMB-C2B-C3B	4.31	132.75	124.68
24	a	307	CLA	C4A-NA-C1A	4.31	108.64	106.71
35	f	611	KC2	C4B-C3B-C2B	-4.31	103.21	106.75
35	k	612	KC2	C4B-C3B-C2B	-4.30	103.22	106.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	f	611	KC2	O2D-CGD-CBD	4.30	118.91	111.27
24	L	207	CLA	CMB-C2B-C3B	4.30	132.72	124.68
33	f	618	II0	C20-C14-C10	-4.30	118.51	124.35
24	k	603	CLA	CAA-C2A-C3A	-4.29	101.02	112.78
24	c	604	CLA	CMB-C2B-C1B	-4.29	121.87	128.46
26	a	301	LHG	O7-C7-C8	4.29	120.75	111.50
33	d	314	II0	C03-C09-C13	-4.29	116.58	122.63
27	K	103	WVN	C40-C37-C34	-4.28	121.19	127.31
24	j	314	CLA	CMB-C2B-C3B	4.28	132.69	124.68
27	B	845	WVN	C39-C36-C32	-4.28	121.20	127.31
33	f	614	II0	C42-C40-C36	-4.28	121.20	127.31
24	A	805	CLA	CMB-C2B-C1B	-4.28	121.88	128.46
33	i	614	II0	C05-C03-C09	4.28	118.29	109.62
24	j	303	CLA	C4A-NA-C1A	4.28	108.63	106.71
24	h	305	CLA	CMB-C2B-C3B	4.28	132.68	124.68
24	a	308	CLA	CMB-C2B-C1B	-4.28	121.89	128.46
24	B	833	CLA	CMB-C2B-C3B	4.27	132.67	124.68
27	K	103	WVN	C06-C13-C15	-4.27	116.60	122.61
27	F	204	WVN	C26-C29-C31	-4.27	109.90	123.22
33	O	202	II0	C31-C33-C35	-4.27	114.43	126.42
24	c	602	CLA	O2D-CGD-O1D	-4.26	115.50	123.84
24	B	837	CLA	O2D-CGD-O1D	-4.26	115.50	123.84
24	B	820	CLA	CMB-C2B-C1B	-4.26	121.92	128.46
24	e	610	CLA	CMB-C2B-C3B	4.25	132.64	124.68
24	A	853	CLA	C4A-NA-C1A	4.25	108.62	106.71
33	J	104	II0	C20-C14-C10	-4.25	118.57	124.35
24	g	303	CLA	CMB-C2B-C1B	-4.24	121.94	128.46
24	A	829	CLA	CMB-C2B-C3B	4.24	132.60	124.68
33	h	310	II0	C19-C13-C11	4.24	122.20	114.36
24	b	310	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
24	A	828	CLA	C1-C2-C3	-4.23	118.73	126.04
33	d	315	II0	C32-C34-C36	-4.23	114.53	126.42
24	k	604	CLA	CMB-C2B-C3B	4.23	132.59	124.68
24	k	609	CLA	C4A-NA-C1A	4.23	108.61	106.71
27	j	301	WVN	C30-C28-C25	-4.23	121.28	127.31
24	A	807	CLA	CMB-C2B-C3B	4.22	132.57	124.68
27	A	847	WVN	C20-C23-C25	-4.22	119.86	126.23
27	A	847	WVN	C21-C15-C13	-4.22	119.79	124.53
24	j	305	CLA	CMB-C2B-C3B	4.22	132.57	124.68
33	i	614	II0	C19-C13-C09	-4.22	118.62	124.35
27	A	850	WVN	C04-C09-C05	-4.22	120.81	124.85
24	h	304	CLA	CMB-C2B-C3B	4.21	132.56	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	i	614	II0	C20-C14-C10	-4.21	118.63	124.35
24	i	604	CLA	CMB-C2B-C1B	-4.21	122.00	128.46
24	i	603	CLA	CMB-C2B-C3B	4.21	132.55	124.68
24	B	810	CLA	C4A-NA-C1A	4.21	108.60	106.71
33	k	619	II0	C16-C03-C09	-4.21	103.78	110.47
24	A	808	CLA	CMB-C2B-C3B	4.21	132.55	124.68
24	e	603	CLA	CMB-C2B-C3B	4.21	132.55	124.68
34	g	319	IHT	C41-C38-C35	-4.20	121.31	127.31
24	d	312	CLA	C4A-NA-C1A	4.20	108.59	106.71
32	F	206	LMG	O7-C10-C11	4.20	120.55	111.50
27	e	615	WVN	C29-C26-C22	-4.20	121.32	127.31
24	f	604	CLA	CMB-C2B-C3B	4.20	132.53	124.68
33	a	314	II0	C20-C14-C10	-4.19	118.65	124.35
24	f	609	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
35	i	616	KC2	C1B-CHB-C4A	-4.19	117.02	126.06
24	L	203	CLA	CMB-C2B-C1B	-4.19	122.03	128.46
24	A	828	CLA	CMB-C2B-C1B	-4.19	122.03	128.46
24	A	836	CLA	CMB-C2B-C3B	4.19	132.51	124.68
24	h	302	CLA	CMB-C2B-C1B	-4.18	122.04	128.46
24	i	611	CLA	CMB-C2B-C1B	-4.18	122.04	128.46
24	g	303	CLA	C4A-NA-C1A	4.18	108.59	106.71
26	d	316	LHG	O7-C7-C8	4.18	120.51	111.50
34	R	204	IHT	C18-C22-C23	-4.18	119.92	126.23
24	A	821	CLA	CMB-C2B-C3B	4.17	132.49	124.68
24	i	608	CLA	C4A-NA-C1A	4.17	108.58	106.71
27	L	201	WVN	C08-C01-C02	-4.17	103.23	109.55
24	A	823	CLA	C4A-NA-C1A	4.17	108.58	106.71
24	g	309	CLA	CMB-C2B-C1B	-4.17	122.05	128.46
24	g	305	CLA	CMB-C2B-C3B	4.17	132.47	124.68
33	g	320	II0	C32-C34-C36	-4.17	114.71	126.42
33	k	619	II0	C31-C33-C35	-4.16	114.72	126.42
32	L	208	LMG	O7-C10-C11	4.16	120.47	111.50
24	B	805	CLA	CMB-C2B-C1B	-4.16	122.07	128.46
24	A	839	CLA	CMB-C2B-C1B	-4.15	122.08	128.46
24	c	602	CLA	CMB-C2B-C1B	-4.15	122.08	128.46
27	A	850	WVN	C30-C33-C34	-4.14	114.78	126.42
33	j	318	II0	C04-C10-C14	-4.14	116.79	122.63
33	j	316	II0	C20-C14-C10	-4.14	118.73	124.35
24	c	608	CLA	CMB-C2B-C3B	4.13	132.41	124.68
24	A	825	CLA	CMB-C2B-C3B	4.13	132.41	124.68
33	c	613	II0	C20-C14-C10	-4.13	118.74	124.35
35	j	312	KC2	O2D-CGD-O1D	-4.13	115.76	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	f	616	II0	C20-C14-C12	4.13	122.00	114.36
24	e	602	CLA	CMB-C2B-C3B	4.12	132.40	124.68
27	L	205	WVN	C27-C25-C28	-4.12	117.16	122.92
33	e	613	II0	C20-C14-C10	-4.12	118.76	124.35
24	i	606	CLA	C4A-NA-C1A	4.11	108.56	106.71
24	A	812	CLA	CMB-C2B-C3B	4.11	132.37	124.68
27	M	101	WVN	C30-C28-C25	-4.11	121.44	127.31
26	e	617	LHG	O7-C7-C8	4.11	120.36	111.50
24	F	202	CLA	CMB-C2B-C1B	-4.11	122.15	128.46
24	B	822	CLA	CMB-C2B-C3B	4.11	132.37	124.68
24	g	307	CLA	C4A-NA-C1A	4.10	108.55	106.71
24	i	610	CLA	CMB-C2B-C3B	4.10	132.35	124.68
33	c	613	II0	C42-C40-C36	-4.10	121.46	127.31
33	k	616	II0	C41-C39-C35	-4.10	121.46	127.31
33	h	310	II0	C04-C10-C14	-4.10	116.85	122.63
24	f	613	CLA	C4A-NA-C1A	4.09	108.55	106.71
35	k	612	KC2	CHB-C1B-C2B	-4.09	116.90	125.48
24	L	204	CLA	CMB-C2B-C1B	-4.09	122.17	128.46
24	j	308	CLA	C1B-CHB-C4A	-4.09	122.02	130.12
24	d	304	CLA	CMB-C2B-C1B	-4.09	122.18	128.46
33	e	613	II0	C41-C39-C35	-4.08	121.48	127.31
24	A	817	CLA	C4A-NA-C1A	4.07	108.54	106.71
33	a	313	II0	C03-C09-C13	-4.07	116.88	122.63
27	B	846	WVN	C40-C39-C36	-4.07	115.13	123.47
33	J	104	II0	C19-C13-C09	-4.07	118.82	124.35
24	A	826	CLA	CMB-C2B-C3B	4.07	132.29	124.68
24	e	607	CLA	CMB-C2B-C3B	4.06	132.28	124.68
34	b	317	IHT	C27-C30-C32	-4.06	110.55	123.22
27	A	850	WVN	C40-C37-C34	-4.06	121.52	127.31
35	k	611	KC2	O2D-CGD-O1D	-4.06	115.90	123.84
27	I	101	WVN	C29-C26-C22	-4.06	121.52	127.31
24	j	304	CLA	CMB-C2B-C3B	4.06	132.27	124.68
24	j	314	CLA	C4A-NA-C1A	4.05	108.53	106.71
24	a	312	CLA	CMB-C2B-C3B	4.05	132.26	124.68
33	i	613	II0	C19-C13-C09	-4.05	118.85	124.35
35	d	311	KC2	C3D-CAD-CBD	-4.05	102.28	107.61
24	k	602	CLA	CMB-C2B-C1B	-4.05	122.24	128.46
27	B	847	WVN	C40-C37-C34	-4.05	121.53	127.31
33	k	619	II0	C20-C14-C12	4.04	121.85	114.36
24	k	608	CLA	CMB-C2B-C1B	-4.04	122.25	128.46
24	O	201	CLA	CMB-C2B-C1B	-4.04	122.25	128.46
24	A	838	CLA	CMB-C2B-C3B	4.04	132.24	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	j	316	II0	C41-C42-C40	-4.04	115.21	123.47
33	k	621	II0	C04-C10-C14	-4.03	116.94	122.63
33	c	616	II0	C32-C34-C36	-4.03	115.09	126.42
24	g	310	CLA	C4A-NA-C1A	4.03	108.52	106.71
24	g	315	CLA	CMB-C2B-C3B	4.03	132.22	124.68
33	h	310	II0	C20-C14-C12	4.03	121.82	114.36
24	A	853	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
24	j	311	CLA	C4A-NA-C1A	4.03	108.52	106.71
35	g	313	KC2	C4B-C3B-C2B	-4.03	103.44	106.75
24	A	816	CLA	C4A-NA-C1A	4.02	108.52	106.71
35	k	612	KC2	CHD-C4C-C3C	-4.02	111.54	126.11
33	j	318	II0	C06-C08-C12	4.02	115.81	110.30
33	a	313	II0	C42-C40-C36	-4.02	121.57	127.31
35	e	609	KC2	CHB-C4A-NA	4.02	130.53	124.20
26	A	844	LHG	O7-C7-C8	4.02	120.16	111.50
24	a	303	CLA	CMB-C2B-C3B	4.02	132.19	124.68
24	A	841	CLA	CMB-C2B-C3B	4.01	132.19	124.68
24	d	312	CLA	CMB-C2B-C3B	4.01	132.19	124.68
27	J	101	WVN	C04-C09-C05	-4.01	121.00	124.85
24	h	301	CLA	CMB-C2B-C3B	4.01	132.19	124.68
35	g	312	KC2	CBD-CHA-C1A	4.01	136.36	128.88
33	f	616	II0	C20-C14-C10	-4.01	118.90	124.35
24	d	308	CLA	C4A-NA-C1A	4.01	108.51	106.71
24	b	304	CLA	O2D-CGD-CBD	4.01	118.39	111.27
24	A	855	CLA	O2D-CGD-CBD	4.01	118.39	111.27
34	k	618	IHT	C09-C10-C07	-4.01	116.91	122.73
24	g	307	CLA	CMB-C2B-C1B	-4.01	122.31	128.46
33	g	316	II0	C42-C40-C36	-4.00	121.60	127.31
24	f	612	CLA	C1B-CHB-C4A	-4.00	122.20	130.12
24	k	609	CLA	CMB-C2B-C3B	4.00	132.16	124.68
24	A	830	CLA	CMB-C2B-C3B	4.00	132.16	124.68
33	a	313	II0	C04-C10-C14	-3.99	117.00	122.63
24	k	607	CLA	C1-C2-C3	-3.99	119.14	126.04
33	k	621	II0	C19-C13-C09	-3.99	118.92	124.35
24	i	607	CLA	CMB-C2B-C3B	3.99	132.14	124.68
24	d	303	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
24	i	606	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
24	J	103	CLA	C4A-NA-C1A	3.99	108.50	106.71
24	h	307	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
24	B	821	CLA	C4A-NA-C1A	3.98	108.50	106.71
24	A	832	CLA	O2D-CGD-CBD	3.98	118.34	111.27
27	j	301	WVN	C21-C15-C13	-3.98	120.06	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	k	603	CLA	O2D-CGD-O1D	-3.98	116.06	123.84
26	k	620	LHG	O7-C7-C8	3.98	120.07	111.50
24	O	205	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
33	k	616	II0	C04-C10-C14	-3.97	117.03	122.63
24	g	308	CLA	C4A-NA-C1A	3.97	108.49	106.71
33	e	616	II0	C42-C40-C36	-3.97	121.65	127.31
34	R	204	IHT	C09-C10-C07	-3.97	116.97	122.73
33	k	619	II0	C42-C40-C36	-3.97	121.65	127.31
24	A	832	CLA	CMB-C2B-C1B	-3.97	122.37	128.46
34	a	316	IHT	C03-C11-C15	-3.96	117.04	122.63
24	A	837	CLA	CMB-C2B-C1B	-3.96	122.38	128.46
27	F	205	WVN	C21-C15-C13	-3.96	120.08	124.53
24	i	602	CLA	CMB-C2B-C1B	-3.96	122.38	128.46
34	c	615	IHT	C09-C10-C07	-3.95	116.99	122.73
33	a	314	II0	C19-C13-C11	3.95	121.67	114.36
24	c	607	CLA	CMB-C2B-C3B	3.95	132.06	124.68
33	g	318	II0	C42-C40-C36	-3.95	121.68	127.31
24	A	830	CLA	O2D-CGD-O1D	-3.95	116.12	123.84
24	k	610	CLA	O2D-CGD-O1D	-3.95	116.12	123.84
33	k	615	II0	C31-C33-C35	-3.94	115.34	126.42
33	j	318	II0	C31-C33-C35	-3.94	115.34	126.42
27	L	201	WVN	C21-C15-C13	-3.94	120.11	124.53
35	g	312	KC2	C1B-CHB-C4A	-3.94	117.56	126.06
24	f	603	CLA	CMB-C2B-C1B	-3.93	122.42	128.46
24	B	817	CLA	CMB-C2B-C3B	3.93	132.04	124.68
26	b	320	LHG	O7-C7-C8	3.93	119.98	111.50
24	A	813	CLA	CMB-C2B-C1B	-3.93	122.42	128.46
27	e	615	WVN	C20-C23-C25	-3.93	120.30	126.23
24	d	301	CLA	CMB-C2B-C1B	-3.93	122.43	128.46
24	f	608	CLA	C4A-NA-C1A	3.92	108.47	106.71
33	f	618	II0	C41-C42-C40	-3.92	115.44	123.47
24	A	855	CLA	C4A-NA-C1A	3.91	108.47	106.71
26	A	845	LHG	O8-C23-C24	3.91	121.64	111.38
24	i	611	CLA	C4A-NA-C1A	3.91	108.46	106.71
26	f	620	LHG	O7-C7-C8	3.91	119.92	111.50
27	L	201	WVN	C30-C28-C25	-3.91	121.73	127.31
33	b	315	II0	C20-C14-C12	3.91	121.59	114.36
24	i	605	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
35	k	613	KC2	C3D-CAD-CBD	-3.90	102.47	107.61
24	B	824	CLA	CMB-C2B-C3B	3.90	131.98	124.68
24	B	807	CLA	CMB-C2B-C3B	3.89	131.96	124.68
24	A	818	CLA	CMB-C2B-C3B	3.89	131.96	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	d	315	II0	C03-C09-C13	-3.89	117.14	122.63
33	e	616	II0	C41-C39-C35	-3.89	121.76	127.31
24	A	855	CLA	O2D-CGD-O1D	-3.89	116.24	123.84
24	B	838	CLA	C4A-NA-C1A	3.89	108.45	106.71
24	j	309	CLA	CMB-C2B-C3B	3.88	131.94	124.68
24	B	841	CLA	CMB-C2B-C3B	3.88	131.94	124.68
26	g	301	LHG	O7-C7-C8	3.88	119.85	111.50
24	j	303	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
26	J	107	LHG	O7-C7-C8	3.87	119.85	111.50
24	B	816	CLA	CMB-C2B-C3B	3.87	131.92	124.68
33	f	618	II0	C05-C07-C11	3.87	115.60	110.30
33	g	318	II0	C28-C26-C24	3.87	124.51	116.84
24	A	852	CLA	CMB-C2B-C3B	3.87	131.92	124.68
35	k	612	KC2	CHC-C1C-NC	-3.87	118.11	124.20
24	A	842	CLA	O2D-CGD-O1D	-3.87	116.28	123.84
24	j	313	CLA	C4A-NA-C1A	-3.87	104.97	106.71
24	B	836	CLA	CAC-C3C-C2C	-3.86	120.92	127.53
24	b	303	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
27	I	101	WVN	C06-C13-C15	-3.86	117.17	122.61
27	B	845	WVN	C30-C28-C25	-3.86	121.80	127.31
24	A	814	CLA	C4A-NA-C1A	3.86	108.44	106.71
27	R	202	WVN	C20-C23-C25	-3.85	120.42	126.23
24	b	311	CLA	CMB-C2B-C3B	3.85	131.88	124.68
33	j	315	II0	C27-C25-C23	3.85	124.46	116.84
33	b	315	II0	C19-C13-C09	-3.85	119.12	124.35
33	k	617	II0	C03-C09-C13	-3.84	117.20	122.63
24	b	304	CLA	O2D-CGD-O1D	-3.84	116.32	123.84
35	i	616	KC2	O2D-CGD-CBD	3.84	118.09	111.27
24	F	201	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
35	i	616	KC2	C4B-C3B-C2B	-3.84	103.60	106.75
35	f	611	KC2	CHB-C4A-NA	3.84	130.25	124.20
24	A	805	CLA	CAA-C2A-C3A	-3.84	102.27	112.78
33	e	613	II0	C19-C13-C11	3.84	121.46	114.36
24	B	815	CLA	CMB-C2B-C3B	3.84	131.86	124.68
24	g	322	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
33	i	614	II0	C15-C03-C09	-3.83	104.38	110.47
33	g	317	II0	C19-C13-C11	3.83	121.45	114.36
24	i	607	CLA	C4A-NA-C1A	3.83	108.43	106.71
24	B	805	CLA	CMB-C2B-C3B	3.83	131.84	124.68
33	k	619	II0	C04-C10-C14	-3.82	117.23	122.63
24	A	837	CLA	O2D-CGD-O1D	-3.82	116.36	123.84
24	a	312	CLA	C1B-CHB-C4A	-3.82	122.54	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	f	612	CLA	CMB-C2B-C3B	3.82	131.83	124.68
24	d	309	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
26	c	618	LHG	O7-C7-C8	3.82	119.74	111.50
33	k	617	II0	C19-C13-C11	3.82	121.43	114.36
33	g	316	II0	C20-C14-C10	-3.81	119.17	124.35
24	d	308	CLA	CMB-C2B-C1B	-3.81	122.61	128.46
27	A	849	WVN	C39-C36-C32	-3.81	121.87	127.31
24	A	829	CLA	C4A-NA-C1A	3.81	108.42	106.71
33	j	318	II0	C41-C42-C40	-3.81	115.67	123.47
24	O	205	CLA	C1D-ND-C4D	-3.81	103.63	106.33
24	B	837	CLA	CMB-C2B-C3B	3.81	131.80	124.68
27	F	205	WVN	C33-C34-C37	3.81	124.78	118.94
24	e	608	CLA	O2D-CGD-O1D	-3.80	116.40	123.84
24	b	309	CLA	C4A-NA-C1A	3.80	108.42	106.71
33	e	612	II0	C20-C14-C10	-3.80	119.18	124.35
35	e	609	KC2	C2B-C1B-NB	3.80	112.91	110.10
24	j	302	CLA	C4A-NA-C1A	3.80	108.41	106.71
24	d	304	CLA	CMB-C2B-C3B	3.80	131.78	124.68
24	d	312	CLA	C1B-CHB-C4A	-3.80	122.60	130.12
24	k	605	CLA	CMB-C2B-C1B	-3.80	122.63	128.46
33	k	616	II0	C19-C13-C09	-3.79	119.19	124.35
24	b	305	CLA	CMB-C2B-C1B	-3.79	122.63	128.46
24	A	853	CLA	C1-C2-C3	-3.79	119.48	126.04
24	a	303	CLA	C4A-NA-C1A	3.79	108.41	106.71
24	A	817	CLA	O2D-CGD-O1D	-3.79	116.43	123.84
24	A	834	CLA	O2D-CGD-O1D	-3.79	116.44	123.84
24	A	833	CLA	CMB-C2B-C1B	-3.79	122.65	128.46
24	c	603	CLA	CMB-C2B-C3B	3.79	131.76	124.68
33	c	613	II0	C41-C42-C40	-3.78	115.72	123.47
24	d	303	CLA	C1B-CHB-C4A	-3.78	122.62	130.12
24	A	835	CLA	O2D-CGD-O1D	-3.78	116.45	123.84
24	B	805	CLA	O2D-CGD-O1D	-3.78	116.45	123.84
24	A	837	CLA	CAA-CBA-CGA	-3.77	102.22	113.25
24	g	303	CLA	CMB-C2B-C3B	3.77	131.74	124.68
24	f	605	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
27	F	204	WVN	C21-C15-C13	-3.77	120.29	124.53
24	B	838	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
24	a	311	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
24	A	816	CLA	O2D-CGD-O1D	-3.77	116.47	123.84
35	f	611	KC2	C2A-C1A-NA	3.77	115.44	109.40
24	f	610	CLA	CMB-C2B-C1B	-3.77	122.68	128.46
24	F	202	CLA	O2D-CGD-O1D	-3.76	116.48	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	i	612	II0	C41-C39-C35	-3.76	121.94	127.31
35	g	312	KC2	CHB-C4A-NA	3.76	130.13	124.20
33	j	318	II0	C05-C07-C11	3.76	115.45	110.30
24	b	309	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
24	i	604	CLA	CMB-C2B-C3B	3.76	131.71	124.68
24	B	813	CLA	CMB-C2B-C3B	3.76	131.71	124.68
24	h	306	CLA	C4A-NA-C1A	3.75	108.39	106.71
33	f	615	II0	C42-C40-C36	-3.75	121.96	127.31
24	A	807	CLA	O2D-CGD-O1D	-3.75	116.50	123.84
33	e	616	II0	C19-C13-C11	3.75	121.30	114.36
33	h	309	II0	C41-C39-C35	-3.75	121.96	127.31
27	B	846	WVN	C30-C28-C25	-3.75	121.96	127.31
33	g	317	II0	C19-C13-C09	-3.75	119.26	124.35
24	B	801	CLA	O2D-CGD-O1D	-3.74	116.52	123.84
33	i	613	II0	C42-C40-C36	-3.74	121.97	127.31
24	A	814	CLA	O2D-CGD-O1D	-3.74	116.53	123.84
27	A	846	WVN	C23-C25-C28	3.74	124.68	118.94
27	A	849	WVN	C21-C15-C14	3.73	120.79	113.62
24	e	606	CLA	CMB-C2B-C3B	3.73	131.66	124.68
24	a	311	CLA	C2A-C1A-CHA	3.73	130.38	123.86
27	L	205	WVN	C06-C13-C15	-3.73	117.36	122.61
25	B	842	PQN	C11-C12-C13	-3.73	120.59	126.79
35	g	314	KC2	C4B-C3B-C2B	-3.72	103.70	106.75
35	k	613	KC2	C4B-C3B-C2B	-3.72	103.70	106.75
33	i	612	II0	C04-C10-C14	-3.72	117.39	122.63
24	A	819	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
24	L	203	CLA	CMB-C2B-C3B	3.71	131.63	124.68
24	a	311	CLA	CBC-CAC-C3C	3.71	122.67	112.43
33	k	615	II0	C37-C35-C33	-3.71	112.23	118.08
24	B	828	CLA	O2D-CGD-O1D	-3.71	116.58	123.84
27	I	101	WVN	C04-C09-C05	-3.71	121.29	124.85
24	A	805	CLA	CMB-C2B-C3B	3.71	131.62	124.68
27	K	103	WVN	C39-C36-C32	-3.71	122.01	127.31
24	i	602	CLA	O2D-CGD-CBD	3.71	117.86	111.27
24	h	312	CLA	O2D-CGD-O1D	-3.71	116.59	123.84
24	j	313	CLA	C1B-CHB-C4A	-3.70	122.78	130.12
24	A	803	CLA	O2D-CGD-O1D	-3.70	116.60	123.84
24	a	311	CLA	C1B-CHB-C4A	-3.70	122.79	130.12
24	d	307	CLA	C1B-CHB-C4A	-3.70	122.79	130.12
35	k	613	KC2	O2D-CGD-CBD	3.70	117.84	111.27
27	A	849	WVN	C29-C26-C22	-3.70	122.03	127.31
24	J	105	CLA	CMB-C2B-C1B	-3.70	122.78	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	827	CLA	C4A-NA-C1A	3.70	108.37	106.71
24	c	604	CLA	CMB-C2B-C3B	3.70	131.59	124.68
24	B	829	CLA	CMB-C2B-C1B	-3.69	122.78	128.46
32	L	208	LMG	C4-C3-C2	3.69	117.27	110.82
24	B	827	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
35	k	612	KC2	CHB-C4A-NA	3.69	130.02	124.20
24	j	310	CLA	C4A-NA-C1A	3.69	108.36	106.71
24	a	311	CLA	C2D-C1D-ND	-3.69	107.39	110.10
24	i	611	CLA	C1B-CHB-C4A	-3.69	122.82	130.12
24	a	305	CLA	C4A-NA-C1A	3.69	108.36	106.71
27	A	850	WVN	C40-C39-C36	-3.68	115.93	123.47
24	B	837	CLA	O2D-CGD-CBD	3.68	117.81	111.27
24	B	807	CLA	O2D-CGD-O1D	-3.68	116.64	123.84
33	i	614	II0	C06-C08-C12	3.68	115.34	110.30
33	k	621	II0	C20-C14-C10	-3.68	119.35	124.35
33	J	104	II0	C20-C14-C12	3.67	121.16	114.36
24	B	803	CLA	O2D-CGD-O1D	-3.67	116.66	123.84
35	c	610	KC2	O2D-CGD-CBD	3.67	117.79	111.27
24	B	812	CLA	CMB-C2B-C3B	3.67	131.54	124.68
24	A	853	CLA	CMB-C2B-C3B	3.67	131.54	124.68
24	i	611	CLA	CMB-C2B-C3B	3.67	131.54	124.68
24	A	821	CLA	O2D-CGD-O1D	-3.66	116.67	123.84
24	L	202	CLA	O2D-CGD-O1D	-3.66	116.68	123.84
24	g	311	CLA	O2D-CGD-O1D	-3.66	116.68	123.84
24	b	304	CLA	CMB-C2B-C1B	-3.66	122.84	128.46
33	k	616	II0	C05-C07-C11	-3.66	105.30	110.30
34	j	317	IHT	C19-C10-C09	3.66	120.64	113.62
24	b	312	CLA	CMB-C2B-C1B	-3.66	122.85	128.46
33	g	316	II0	C41-C42-C40	-3.65	115.99	123.47
33	h	311	II0	C42-C40-C36	-3.65	122.10	127.31
24	B	809	CLA	CMB-C2B-C3B	3.65	131.51	124.68
27	A	849	WVN	C23-C25-C28	3.65	124.54	118.94
24	a	303	CLA	O2D-CGD-O1D	-3.64	116.72	123.84
32	F	206	LMG	C8-O7-C10	-3.63	108.86	117.79
27	B	847	WVN	C21-C15-C13	-3.63	120.45	124.53
33	k	617	II0	C27-C25-C23	3.63	124.03	116.84
24	h	312	CLA	C4A-NA-C1A	3.62	108.33	106.71
24	B	822	CLA	C4-C3-C5	3.62	121.36	115.27
24	A	824	CLA	CMB-C2B-C3B	3.62	131.45	124.68
24	k	607	CLA	C4A-NA-C1A	3.62	108.33	106.71
27	F	205	WVN	C29-C26-C22	-3.62	122.15	127.31
24	A	832	CLA	C1B-CHB-C4A	-3.62	122.96	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	c	612	CLA	C1B-CHB-C4A	-3.61	122.96	130.12
34	a	316	IHT	C29-C31-C34	-3.61	111.95	123.22
35	d	311	KC2	O2D-CGD-O1D	-3.61	116.78	123.84
24	B	821	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
26	B	802	LHG	O7-C7-C8	3.61	119.28	111.50
27	A	849	WVN	C06-C13-C20	3.61	125.99	115.78
24	i	601	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
27	J	102	WVN	C21-C15-C13	-3.61	120.48	124.53
34	g	319	IHT	C05-C08-C12	3.61	115.24	110.30
34	f	617	IHT	C25-C23-C27	-3.61	117.87	122.92
24	d	303	CLA	CMB-C2B-C3B	3.61	131.43	124.68
24	e	601	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
24	j	304	CLA	O2D-CGD-O1D	-3.60	116.79	123.84
24	A	818	CLA	O2D-CGD-O1D	-3.60	116.79	123.84
24	A	832	CLA	CMB-C2B-C3B	3.60	131.41	124.68
24	e	607	CLA	O2D-CGD-O1D	-3.60	116.80	123.84
24	B	823	CLA	C4A-NA-C1A	3.60	108.32	106.71
24	f	612	CLA	C4A-NA-C1A	-3.59	105.09	106.71
24	A	817	CLA	CMB-C2B-C3B	3.59	131.40	124.68
33	i	612	II0	C19-C13-C11	3.59	121.01	114.36
24	k	609	CLA	CHB-C4A-NA	3.59	129.47	124.51
24	I	102	CLA	O2D-CGD-O1D	-3.59	116.82	123.84
24	B	830	CLA	CMB-C2B-C1B	-3.58	122.95	128.46
33	d	313	II0	C19-C13-C11	3.58	120.99	114.36
35	i	616	KC2	CBC-CAC-C3C	-3.58	109.80	127.62
33	f	614	II0	C17-C04-C10	-3.58	104.78	110.47
34	c	615	IHT	C19-C10-C07	-3.58	120.51	124.53
24	A	809	CLA	CMB-C2B-C3B	3.58	131.37	124.68
27	A	846	WVN	C27-C25-C28	-3.58	117.91	122.92
24	a	308	CLA	CMB-C2B-C3B	3.58	131.37	124.68
24	f	609	CLA	CMB-C2B-C3B	3.58	131.37	124.68
34	O	203	IHT	C09-C10-C07	-3.57	117.54	122.73
27	L	205	WVN	C01-C02-C11	-3.57	108.18	112.70
33	h	310	II0	C16-C03-C09	-3.57	104.79	110.47
27	e	615	WVN	C39-C36-C32	-3.57	122.22	127.31
27	B	849	WVN	C40-C37-C34	-3.57	122.22	127.31
24	A	804	CLA	O2D-CGD-O1D	-3.56	116.87	123.84
35	c	610	KC2	CBC-CAC-C3C	-3.56	109.89	127.62
24	c	602	CLA	CMB-C2B-C3B	3.56	131.34	124.68
33	k	615	II0	C20-C14-C10	-3.56	119.52	124.35
24	A	811	CLA	O2D-CGD-O1D	-3.56	116.89	123.84
33	a	317	II0	C38-C36-C40	-3.56	117.94	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	k	606	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
24	B	826	CLA	C4A-NA-C1A	3.55	108.30	106.71
24	d	312	CLA	O2D-CGD-O1D	-3.55	116.89	123.84
24	a	306	CLA	CMB-C2B-C1B	-3.55	123.00	128.46
24	B	839	CLA	CAA-C2A-C3A	-3.55	103.05	112.78
34	b	317	IHT	C19-C10-C07	-3.55	120.54	124.53
24	R	203	CLA	C1B-CHB-C4A	-3.55	123.09	130.12
33	b	315	II0	C31-C29-C25	-3.55	116.28	126.58
24	a	309	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
24	k	606	CLA	O2D-CGD-O1D	-3.54	116.91	123.84
24	k	608	CLA	CMB-C2B-C3B	3.54	131.30	124.68
24	O	205	CLA	O2A-CGA-O1A	-3.54	114.66	123.59
24	g	309	CLA	CMB-C2B-C3B	3.54	131.30	124.68
33	O	202	II0	C19-C13-C09	-3.54	119.54	124.35
35	i	616	KC2	C2A-C1A-NA	3.53	115.07	109.40
24	f	603	CLA	CMB-C2B-C3B	3.53	131.29	124.68
33	d	314	II0	C19-C13-C11	3.53	120.90	114.36
27	R	201	WVN	C40-C37-C34	-3.53	122.27	127.31
27	B	849	WVN	C26-C29-C31	-3.53	112.20	123.22
27	L	206	WVN	C24-C22-C19	3.53	123.64	118.08
34	b	317	IHT	C25-C23-C27	-3.53	117.98	122.92
24	L	202	CLA	CMB-C2B-C3B	3.53	131.28	124.68
24	h	307	CLA	CMB-C2B-C3B	3.53	131.28	124.68
27	B	847	WVN	C29-C26-C22	-3.52	122.28	127.31
24	b	306	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
33	f	618	II0	C20-C14-C12	3.52	120.88	114.36
24	i	602	CLA	O2D-CGD-O1D	-3.52	116.95	123.84
33	J	104	II0	C31-C33-C35	-3.52	116.53	126.42
24	B	822	CLA	C4-C3-C2	-3.52	114.65	123.68
24	L	203	CLA	O2D-CGD-O1D	-3.52	116.96	123.84
32	O	204	LMG	O7-C10-C11	3.52	120.60	110.80
33	k	621	II0	C03-C09-C13	-3.51	117.67	122.63
33	b	318	II0	C04-C10-C14	-3.51	117.67	122.63
35	i	609	KC2	CHB-C4A-NA	3.51	129.74	124.20
24	j	306	CLA	C2A-C1A-CHA	3.51	130.00	123.86
24	K	102	CLA	CMB-C2B-C1B	-3.51	123.07	128.46
24	j	306	CLA	O2D-CGD-O1D	-3.51	116.97	123.84
24	B	835	CLA	CMB-C2B-C3B	3.51	131.25	124.68
33	i	612	II0	C28-C26-C24	3.51	123.79	116.84
33	i	613	II0	C06-C08-C12	3.50	115.10	110.30
35	g	314	KC2	O2D-CGD-O1D	-3.50	116.99	123.84
33	h	310	II0	C42-C41-C39	-3.50	116.31	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	k	611	KC2	CBC-CAC-C3C	-3.50	110.22	127.62
27	R	202	WVN	C40-C37-C34	-3.49	122.32	127.31
24	A	827	CLA	O2D-CGD-O1D	-3.49	117.01	123.84
35	j	312	KC2	CHB-C4A-NA	3.49	129.71	124.20
33	d	314	II0	C20-C14-C12	3.49	120.83	114.36
24	d	305	CLA	CMB-C2B-C1B	-3.49	123.10	128.46
24	A	802	CLA	C1-C2-C3	-3.49	120.01	126.04
24	A	811	CLA	C1-C2-C3	-3.48	120.02	126.04
27	h	308	WVN	C40-C37-C34	-3.48	122.34	127.31
34	R	204	IHT	C19-C10-C09	3.48	120.31	113.62
24	A	856	CLA	O2D-CGD-O1D	-3.48	117.03	123.84
27	R	202	WVN	C03-C04-C09	-3.48	106.22	112.00
24	A	856	CLA	CHB-C4A-NA	3.48	129.32	124.51
24	c	606	CLA	C1B-CHB-C4A	-3.48	123.22	130.12
27	F	205	WVN	C35-C32-C31	3.48	123.56	118.08
24	g	307	CLA	CMB-C2B-C3B	3.48	131.19	124.68
27	R	202	WVN	C06-C13-C15	-3.48	117.72	122.61
24	e	604	CLA	O2D-CGD-O1D	-3.48	117.04	123.84
24	b	310	CLA	CMB-C2B-C3B	3.47	131.18	124.68
27	F	205	WVN	C04-C09-C05	-3.47	121.52	124.85
24	A	828	CLA	CMB-C2B-C3B	3.47	131.18	124.68
24	B	823	CLA	O2D-CGD-O1D	-3.47	117.05	123.84
33	j	315	II0	C29-C31-C33	-3.47	112.40	123.22
24	B	816	CLA	C1B-CHB-C4A	-3.47	123.25	130.12
33	b	315	II0	C37-C35-C33	3.47	123.54	118.08
34	a	316	IHT	C09-C10-C07	-3.47	117.70	122.73
24	B	808	CLA	O2D-CGD-O1D	-3.46	117.06	123.84
24	j	302	CLA	C1B-CHB-C4A	-3.46	123.26	130.12
24	d	309	CLA	CMB-C2B-C3B	3.46	131.16	124.68
33	a	317	II0	C05-C03-C09	3.46	116.64	109.62
35	d	310	KC2	CBC-CAC-C3C	-3.46	110.41	127.62
34	c	615	IHT	C18-C22-C23	-3.46	121.01	126.23
24	A	838	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
24	O	201	CLA	CMB-C2B-C3B	3.46	131.15	124.68
27	B	848	WVN	C40-C39-C36	-3.46	116.39	123.47
26	A	844	LHG	O8-C23-C24	3.45	122.75	111.91
24	A	829	CLA	O2D-CGD-O1D	-3.45	117.08	123.84
24	j	313	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
24	A	818	CLA	C1B-CHB-C4A	-3.45	123.28	130.12
34	R	204	IHT	C02-C07-C10	-3.45	117.76	122.61
27	A	848	WVN	C39-C40-C37	-3.45	116.41	123.47
27	F	204	WVN	C23-C20-C13	-3.45	117.53	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	J	101	WVN	C23-C20-C13	-3.45	117.53	127.20
24	B	820	CLA	O2D-CGD-O1D	-3.45	117.10	123.84
24	j	303	CLA	CMB-C2B-C3B	3.44	131.12	124.68
24	a	309	CLA	C4A-NA-C1A	3.44	108.25	106.71
35	d	310	KC2	CHB-C4A-NA	3.44	129.63	124.20
24	A	825	CLA	C1B-CHB-C4A	-3.44	123.30	130.12
24	B	814	CLA	O2D-CGD-O1D	-3.44	117.11	123.84
24	A	853	CLA	C1B-CHB-C4A	-3.44	123.31	130.12
35	g	313	KC2	CHB-C4A-NA	3.44	129.62	124.20
34	O	203	IHT	C19-C10-C07	-3.43	120.67	124.53
35	d	310	KC2	O2D-CGD-CBD	3.43	117.37	111.27
27	R	202	WVN	C21-C15-C13	-3.43	120.68	124.53
24	A	802	CLA	C1B-CHB-C4A	-3.43	123.33	130.12
33	a	314	II0	C06-C08-C12	3.43	115.00	110.30
24	A	813	CLA	CMB-C2B-C3B	3.43	131.09	124.68
33	k	619	II0	C32-C34-C36	-3.43	116.79	126.42
24	f	613	CLA	CMB-C2B-C1B	-3.43	123.20	128.46
24	c	602	CLA	C4A-NA-C1A	3.43	108.25	106.71
24	c	602	CLA	C1B-CHB-C4A	-3.42	123.33	130.12
27	A	847	WVN	C29-C31-C32	3.42	136.03	126.42
24	g	322	CLA	CMB-C2B-C3B	3.42	131.08	124.68
35	g	314	KC2	C2A-C1A-NA	3.42	114.89	109.40
35	d	311	KC2	CBD-CHA-C1A	3.42	135.26	128.88
24	c	611	CLA	O2D-CGD-O1D	-3.42	117.15	123.84
24	g	322	CLA	O2D-CGD-O1D	-3.42	117.16	123.84
34	b	316	IHT	C09-C10-C07	-3.42	117.77	122.73
33	J	104	II0	C28-C26-C24	3.42	123.61	116.84
24	A	852	CLA	C1B-CHB-C4A	-3.42	123.35	130.12
27	e	615	WVN	C40-C37-C34	-3.42	122.44	127.31
34	g	319	IHT	C41-C40-C37	-3.41	116.48	123.47
24	j	314	CLA	C1B-CHB-C4A	-3.41	123.36	130.12
24	f	602	CLA	O2D-CGD-O1D	-3.41	117.17	123.84
34	g	319	IHT	C30-C27-C23	-3.41	122.44	127.31
24	a	311	CLA	CHB-C4A-NA	3.41	129.23	124.51
33	c	616	II0	C41-C39-C35	-3.41	122.44	127.31
35	j	312	KC2	C2B-C1B-NB	3.41	112.62	110.10
24	j	306	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
24	b	303	CLA	O2D-CGD-O1D	-3.41	117.17	123.84
27	F	205	WVN	C27-C25-C28	-3.41	118.15	122.92
24	d	309	CLA	C1B-CHB-C4A	-3.41	123.37	130.12
24	b	305	CLA	CMB-C2B-C3B	3.41	131.05	124.68
24	i	608	CLA	CMB-C2B-C1B	-3.40	123.23	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	j	307	CLA	C1B-CHB-C4A	-3.40	123.38	130.12
24	A	825	CLA	O2D-CGD-O1D	-3.40	117.19	123.84
24	k	610	CLA	O2D-CGD-CBD	3.40	117.31	111.27
24	K	101	CLA	C1-C2-C3	-3.40	120.16	126.04
24	k	606	CLA	C1B-CHB-C4A	-3.40	123.39	130.12
33	k	619	II0	C19-C13-C11	3.40	120.65	114.36
24	h	302	CLA	CMB-C2B-C3B	3.40	131.03	124.68
24	e	611	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
34	a	316	IHT	C19-C10-C09	3.40	120.14	113.62
33	f	615	II0	C41-C42-C40	-3.39	116.52	123.47
27	B	845	WVN	C07-C01-C02	3.39	114.69	109.55
24	A	814	CLA	C1B-CHB-C4A	-3.39	123.40	130.12
24	k	603	CLA	C1B-CHB-C4A	-3.39	123.40	130.12
35	k	611	KC2	CHB-C4A-NA	3.39	129.55	124.20
34	R	204	IHT	C40-C41-C38	-3.39	116.53	123.47
24	B	834	CLA	O2D-CGD-O1D	-3.39	117.21	123.84
24	b	313	CLA	C1B-CHB-C4A	-3.39	123.40	130.12
24	e	611	CLA	O2D-CGD-O1D	-3.39	117.21	123.84
24	h	312	CLA	C1B-CHB-C4A	-3.39	123.41	130.12
24	e	603	CLA	C1B-CHB-C4A	-3.39	123.41	130.12
33	f	614	II0	C20-C14-C12	3.38	120.63	114.36
24	b	313	CLA	C4A-NA-C1A	3.38	108.23	106.71
33	d	314	II0	C42-C40-C36	-3.38	122.48	127.31
24	A	818	CLA	C4A-NA-C1A	3.38	108.23	106.71
33	O	202	II0	C41-C39-C35	-3.38	122.49	127.31
35	c	610	KC2	C2A-C1A-NA	3.38	114.82	109.40
33	a	313	II0	C20-C14-C12	3.38	120.61	114.36
34	O	203	IHT	C19-C10-C09	3.38	120.10	113.62
33	f	616	II0	C19-C13-C11	3.38	120.61	114.36
33	b	318	II0	C06-C08-C12	3.37	114.92	110.30
33	b	315	II0	C32-C30-C26	-3.37	116.78	126.58
33	d	313	II0	C20-C14-C12	3.37	120.60	114.36
24	B	816	CLA	O2D-CGD-O1D	-3.37	117.25	123.84
34	b	317	IHT	C09-C10-C07	-3.37	117.84	122.73
34	b	316	IHT	C18-C22-C23	-3.37	121.14	126.23
24	O	205	CLA	CAC-C3C-C4C	3.37	129.18	124.81
27	A	847	WVN	C30-C33-C34	-3.37	116.96	126.42
24	c	605	CLA	O2D-CGD-O1D	-3.36	117.26	123.84
24	e	605	CLA	C1B-CHB-C4A	-3.36	123.46	130.12
24	c	605	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
24	i	603	CLA	O2D-CGD-O1D	-3.36	117.27	123.84
24	A	855	CLA	CMB-C2B-C1B	-3.36	123.30	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	g	307	CLA	C1B-CHB-C4A	-3.36	123.47	130.12
24	A	801	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
24	e	604	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
24	B	804	CLA	O2D-CGD-O1D	-3.36	117.28	123.84
24	i	605	CLA	CMB-C2B-C3B	3.36	130.96	124.68
24	F	202	CLA	CMB-C2B-C3B	3.35	130.96	124.68
24	d	307	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
33	a	315	II0	C41-C39-C35	-3.35	122.53	127.31
24	A	837	CLA	CMB-C2B-C3B	3.35	130.95	124.68
33	b	314	II0	C20-C14-C10	-3.35	119.80	124.35
24	a	306	CLA	O2D-CGD-O1D	-3.35	117.29	123.84
24	B	820	CLA	CMB-C2B-C3B	3.35	130.94	124.68
24	g	315	CLA	C1B-CHB-C4A	-3.35	123.49	130.12
24	c	601	CLA	CMB-C2B-C1B	-3.35	123.32	128.46
24	i	610	CLA	C1B-CHB-C4A	-3.34	123.49	130.12
24	j	308	CLA	O2D-CGD-O1D	-3.34	117.30	123.84
33	h	311	II0	C41-C42-C40	-3.34	116.63	123.47
33	f	615	II0	C20-C14-C12	3.34	120.55	114.36
24	A	818	CLA	C1-C2-C3	-3.34	120.27	126.04
24	L	204	CLA	O2D-CGD-O1D	-3.34	117.31	123.84
24	c	608	CLA	O2D-CGD-O1D	-3.34	117.31	123.84
35	i	609	KC2	C2B-C1B-NB	3.34	112.56	110.10
32	F	206	LMG	C7-O1-C1	-3.33	107.23	113.74
24	k	609	CLA	C1B-CHB-C4A	-3.33	123.52	130.12
24	B	804	CLA	CBC-CAC-C3C	3.33	121.62	112.43
24	i	606	CLA	CMB-C2B-C3B	3.33	130.91	124.68
24	a	312	CLA	C4A-NA-C1A	-3.33	105.21	106.71
33	J	104	II0	C41-C39-C35	-3.33	122.56	127.31
25	A	843	PQN	C14-C13-C15	3.33	120.87	115.27
33	k	617	II0	C20-C14-C10	-3.33	119.83	124.35
24	R	203	CLA	C4A-NA-C1A	3.33	108.20	106.71
34	b	317	IHT	C22-C23-C27	3.32	124.04	118.94
24	A	820	CLA	C1B-CHB-C4A	-3.32	123.53	130.12
33	k	621	II0	C32-C34-C36	-3.32	117.08	126.42
34	a	316	IHT	C02-C07-C10	-3.32	117.94	122.61
35	k	613	KC2	C2A-C1A-NA	3.32	114.73	109.40
24	B	831	CLA	CMB-C2B-C3B	3.32	130.89	124.68
35	k	611	KC2	C3D-CAD-CBD	-3.32	103.23	107.61
33	i	612	II0	C30-C32-C34	-3.32	112.86	123.22
24	L	204	CLA	CMB-C2B-C3B	3.32	130.89	124.68
24	a	307	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
24	k	614	CLA	CMB-C2B-C1B	-3.32	123.36	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	c	609	CLA	C1B-CHB-C4A	-3.32	123.55	130.12
24	c	602	CLA	O2D-CGD-CBD	3.32	117.16	111.27
24	B	808	CLA	C1B-CHB-C4A	-3.31	123.55	130.12
27	F	204	WVN	C21-C15-C14	3.31	119.98	113.62
24	B	814	CLA	CMB-C2B-C3B	3.31	130.88	124.68
24	B	813	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
24	d	307	CLA	CHB-C4A-NA	3.31	129.09	124.51
33	k	616	II0	C20-C14-C12	3.31	120.49	114.36
33	g	318	II0	C30-C32-C34	-3.31	112.89	123.22
34	g	319	IHT	C31-C34-C35	-3.31	117.12	126.42
24	K	102	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
24	B	829	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
33	a	313	II0	C41-C39-C35	-3.31	122.59	127.31
33	J	104	II0	C42-C41-C39	-3.31	116.70	123.47
24	a	307	CLA	C1B-CHB-C4A	-3.31	123.57	130.12
33	J	104	II0	C19-C13-C11	3.31	120.48	114.36
33	g	317	II0	C41-C42-C40	-3.30	116.71	123.47
24	i	602	CLA	CMB-C2B-C3B	3.30	130.86	124.68
24	A	815	CLA	C1B-CHB-C4A	-3.30	123.58	130.12
33	b	314	II0	C04-C10-C14	-3.30	117.97	122.63
24	d	312	CLA	CHB-C4A-NA	3.30	129.07	124.51
34	c	615	IHT	C19-C10-C09	3.30	119.95	113.62
24	f	607	CLA	O2D-CGD-O1D	-3.29	117.40	123.84
24	J	105	CLA	CMB-C2B-C3B	3.29	130.84	124.68
35	d	310	KC2	C2A-C1A-NA	3.29	114.69	109.40
35	k	612	KC2	O2D-CGD-O1D	-3.29	117.40	123.84
24	a	310	CLA	CHB-C4A-NA	3.29	129.07	124.51
35	g	312	KC2	C2B-C1B-NB	3.29	112.53	110.10
24	b	309	CLA	C1B-CHB-C4A	-3.29	123.61	130.12
24	K	102	CLA	CMB-C2B-C3B	3.29	130.83	124.68
27	L	206	WVN	C01-C02-C11	-3.29	108.55	112.70
33	a	313	II0	C31-C33-C35	-3.29	117.19	126.42
27	L	206	WVN	C30-C33-C34	3.29	135.65	126.42
24	j	310	CLA	C1B-CHB-C4A	-3.29	123.61	130.12
32	L	208	LMG	C8-O7-C10	-3.28	109.70	117.79
24	k	605	CLA	CMB-C2B-C3B	3.28	130.82	124.68
33	h	309	II0	C42-C41-C39	-3.28	116.75	123.47
33	e	616	II0	C41-C42-C40	-3.28	116.76	123.47
35	k	612	KC2	CAC-C3C-C4C	3.28	139.75	124.47
33	c	614	II0	C20-C14-C10	-3.28	119.89	124.35
24	a	304	CLA	CMB-C2B-C1B	-3.28	123.43	128.46
33	e	613	II0	C19-C13-C09	-3.28	119.90	124.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	f	603	CLA	O2D-CGD-O1D	-3.28	117.43	123.84
24	d	301	CLA	CMB-C2B-C3B	3.27	130.81	124.68
24	j	308	CLA	CMB-C2B-C1B	-3.27	123.43	128.46
26	b	302	LHG	C5-O7-C7	-3.27	109.73	117.79
24	j	302	CLA	CMB-C2B-C3B	3.27	130.80	124.68
33	c	614	II0	C29-C31-C33	-3.27	113.01	123.22
33	a	313	II0	C19-C13-C11	3.27	120.42	114.36
27	L	206	WVN	C19-C22-C26	-3.27	113.92	118.94
24	A	810	CLA	C1B-CHB-C4A	-3.27	123.65	130.12
27	B	845	WVN	C23-C20-C13	-3.27	118.03	127.20
34	a	316	IHT	C22-C18-C07	-3.27	118.03	127.20
27	B	847	WVN	C02-C05-C09	-3.27	117.45	121.47
24	B	821	CLA	C1B-CHB-C4A	-3.26	123.65	130.12
24	A	832	CLA	CAA-CBA-CGA	-3.26	103.72	113.25
24	B	838	CLA	O2D-CGD-O1D	-3.26	117.46	123.84
35	k	613	KC2	C3B-C2B-C1B	-3.26	103.96	107.08
35	e	609	KC2	CBC-CAC-C3C	-3.26	111.40	127.62
24	B	817	CLA	O2D-CGD-O1D	-3.26	117.46	123.84
35	c	610	KC2	C3D-CAD-CBD	-3.26	103.31	107.61
33	e	612	II0	C42-C40-C36	-3.26	122.66	127.31
24	J	103	CLA	C1B-CHB-C4A	-3.26	123.67	130.12
24	a	311	CLA	CMB-C2B-C3B	3.26	130.77	124.68
24	B	805	CLA	CHB-C4A-NA	3.26	129.02	124.51
27	B	846	WVN	C26-C29-C31	-3.26	113.06	123.22
33	d	315	II0	C41-C42-C40	-3.26	116.80	123.47
24	A	809	CLA	C1B-CHB-C4A	-3.26	123.67	130.12
24	g	308	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
24	d	308	CLA	C1B-CHB-C4A	-3.26	123.67	130.12
24	A	834	CLA	C1B-CHB-C4A	-3.25	123.67	130.12
27	A	850	WVN	C29-C26-C22	-3.25	122.67	127.31
24	f	607	CLA	CMB-C2B-C1B	-3.25	123.46	128.46
24	h	306	CLA	C1B-CHB-C4A	-3.25	123.68	130.12
33	h	311	II0	C18-C04-C17	-3.25	98.55	108.53
24	f	606	CLA	C1B-CHB-C4A	-3.25	123.68	130.12
33	k	619	II0	C06-C04-C10	3.25	116.21	109.62
24	A	852	CLA	O2D-CGD-O1D	-3.25	117.48	123.84
24	h	301	CLA	C1B-CHB-C4A	-3.25	123.68	130.12
24	B	827	CLA	C1B-CHB-C4A	-3.25	123.68	130.12
27	B	849	WVN	C40-C39-C36	-3.24	116.83	123.47
33	f	618	II0	C27-C25-C23	3.24	123.26	116.84
24	B	835	CLA	C1B-CHB-C4A	-3.24	123.70	130.12
34	b	316	IHT	C02-C07-C10	-3.24	118.05	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	830	CLA	C1B-CHB-C4A	-3.24	123.70	130.12
33	j	315	II0	C16-C03-C09	-3.24	105.32	110.47
27	F	204	WVN	C20-C23-C25	-3.24	121.34	126.23
24	b	308	CLA	CAC-C3C-C4C	-3.24	120.61	124.81
24	A	822	CLA	O2D-CGD-O1D	-3.23	117.51	123.84
34	f	617	IHT	C31-C34-C35	-3.23	117.33	126.42
24	j	307	CLA	CMB-C2B-C1B	-3.23	123.49	128.46
27	L	205	WVN	C14-C15-C13	-3.23	118.04	122.73
24	d	306	CLA	C1B-CHB-C4A	-3.23	123.72	130.12
24	B	820	CLA	C1B-CHB-C4A	-3.23	123.72	130.12
24	R	203	CLA	O2D-CGD-O1D	-3.23	117.52	123.84
35	k	612	KC2	C3B-C2B-C1B	-3.23	103.99	107.08
24	e	607	CLA	C1B-CHB-C4A	-3.23	123.73	130.12
24	d	308	CLA	CMB-C2B-C3B	3.23	130.71	124.68
33	e	616	II0	C27-C25-C23	3.22	123.22	116.84
24	B	839	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
24	b	304	CLA	CMB-C2B-C3B	3.22	130.71	124.68
33	h	311	II0	C17-C04-C10	3.22	115.58	110.47
24	A	837	CLA	O2D-CGD-CBD	3.22	116.99	111.27
24	R	203	CLA	C1-C2-C3	-3.22	120.47	126.04
24	B	821	CLA	O2D-CGD-O1D	-3.22	117.55	123.84
33	f	614	II0	C05-C03-C09	3.22	116.14	109.62
24	c	611	CLA	CMB-C2B-C1B	-3.21	123.52	128.46
33	h	310	II0	C05-C03-C09	3.21	116.13	109.62
27	J	101	WVN	C23-C25-C28	3.21	123.87	118.94
24	c	607	CLA	C1B-CHB-C4A	-3.21	123.76	130.12
27	M	101	WVN	C14-C15-C13	-3.21	118.07	122.73
24	I	102	CLA	CMB-C2B-C1B	-3.21	123.53	128.46
33	e	616	II0	C06-C04-C10	3.21	116.12	109.62
33	f	614	II0	C41-C42-C40	-3.21	116.91	123.47
24	B	830	CLA	CMB-C2B-C3B	3.21	130.68	124.68
24	K	101	CLA	O2D-CGD-O1D	-3.20	117.57	123.84
24	d	303	CLA	CHB-C4A-NA	3.20	128.94	124.51
33	g	316	II0	C41-C39-C35	-3.20	122.74	127.31
33	e	613	II0	C41-C42-C40	-3.20	116.92	123.47
24	b	312	CLA	C1B-CHB-C4A	-3.20	123.78	130.12
33	f	615	II0	C19-C13-C11	3.20	120.28	114.36
24	g	303	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
35	k	611	KC2	C2A-C1A-NA	3.20	114.53	109.40
24	g	311	CLA	C4A-NA-C1A	3.20	108.14	106.71
35	g	312	KC2	CBC-CAC-C3C	-3.20	111.72	127.62
24	f	609	CLA	O2D-CGD-O1D	-3.20	117.59	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	e	612	II0	C28-C26-C24	3.19	123.17	116.84
24	A	819	CLA	O2D-CGD-O1D	-3.19	117.59	123.84
33	g	317	II0	O02-C08-C06	-3.19	103.45	109.80
24	e	604	CLA	C1-C2-C3	-3.19	120.52	126.04
24	b	311	CLA	O2D-CGD-O1D	-3.19	117.59	123.84
35	e	609	KC2	C3B-C2B-C1B	-3.19	104.03	107.08
24	A	826	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
33	j	316	II0	C19-C13-C11	3.19	120.27	114.36
24	B	822	CLA	O2D-CGD-O1D	-3.19	117.60	123.84
24	c	605	CLA	C1B-CHB-C4A	-3.19	123.80	130.12
24	A	817	CLA	C1B-CHB-C4A	-3.19	123.80	130.12
35	g	314	KC2	C3B-C2B-C1B	-3.19	104.03	107.08
33	J	104	II0	C37-C35-C33	3.19	123.10	118.08
24	A	836	CLA	O2D-CGD-O1D	-3.19	117.61	123.84
24	A	827	CLA	C1B-CHB-C4A	-3.19	123.81	130.12
24	a	307	CLA	O2D-CGD-O1D	-3.19	117.61	123.84
24	h	304	CLA	C1B-CHB-C4A	-3.19	123.81	130.12
27	K	103	WVN	C26-C29-C31	-3.19	113.28	123.22
33	g	316	II0	C06-C04-C10	3.18	116.07	109.62
24	i	604	CLA	CHB-C4A-NA	3.18	128.91	124.51
24	O	205	CLA	CAA-C2A-C3A	-3.18	104.07	112.78
24	A	831	CLA	O2D-CGD-O1D	-3.18	117.62	123.84
35	f	611	KC2	C3B-C2B-C1B	-3.18	104.04	107.08
24	f	601	CLA	CMB-C2B-C1B	-3.18	123.58	128.46
24	B	801	CLA	C1B-CHB-C4A	-3.18	123.83	130.12
24	f	604	CLA	CHD-C1D-ND	-3.18	121.53	124.45
24	i	602	CLA	C1B-CHB-C4A	-3.18	123.83	130.12
24	g	307	CLA	O2D-CGD-O1D	-3.17	117.63	123.84
35	k	613	KC2	CBC-CAC-C3C	-3.17	111.83	127.62
24	A	838	CLA	C1-C2-C3	-3.17	120.56	126.04
24	a	304	CLA	O2D-CGD-O1D	-3.17	117.64	123.84
34	g	319	IHT	C30-C32-C33	-3.17	117.52	126.42
24	g	322	CLA	O2D-CGD-CBD	3.17	116.89	111.27
24	b	306	CLA	C1B-CHB-C4A	-3.17	123.85	130.12
24	B	818	CLA	C1B-CHB-C4A	-3.16	123.85	130.12
24	i	610	CLA	C1D-ND-C4D	-3.16	104.09	106.33
24	B	819	CLA	O2D-CGD-O1D	-3.16	117.65	123.84
24	f	605	CLA	CMB-C2B-C3B	3.16	130.59	124.68
24	a	309	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
34	O	203	IHT	C30-C32-C33	-3.16	117.54	126.42
24	f	608	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
24	A	805	CLA	C7-C6-C5	-3.16	104.78	113.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	c	606	CLA	CMB-C2B-C1B	-3.16	123.61	128.46
33	g	320	II0	C03-C09-C13	-3.16	118.17	122.63
24	f	608	CLA	C1B-CHB-C4A	-3.16	123.86	130.12
24	A	841	CLA	O2D-CGD-O1D	-3.16	117.66	123.84
24	B	805	CLA	O2D-CGD-CBD	3.16	116.88	111.27
34	O	203	IHT	C18-C22-C23	-3.15	121.47	126.23
24	A	822	CLA	O2A-CGA-O1A	-3.15	115.64	123.59
24	f	602	CLA	CMB-C2B-C1B	-3.15	123.62	128.46
32	F	206	LMG	O1-C1-C2	3.15	113.22	108.30
34	g	319	IHT	C04-C02-C07	3.15	115.33	110.48
24	B	816	CLA	CHD-C1D-ND	-3.15	121.56	124.45
33	b	318	II0	C20-C14-C12	3.15	120.19	114.36
24	c	612	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
33	b	318	II0	C17-C04-C10	-3.15	105.46	110.47
24	B	810	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
33	e	616	II0	C20-C14-C10	-3.15	120.07	124.35
27	F	205	WVN	C31-C32-C36	-3.15	114.11	118.94
33	h	311	II0	C20-C14-C10	-3.15	120.07	124.35
35	i	609	KC2	CBD-CHA-C1A	3.15	134.75	128.88
35	g	313	KC2	CBC-CAC-C3C	-3.15	111.96	127.62
33	e	616	II0	C19-C13-C09	-3.15	120.07	124.35
33	k	615	II0	C41-C42-C40	-3.15	117.03	123.47
24	k	610	CLA	CMB-C2B-C1B	-3.15	123.63	128.46
27	j	301	WVN	C40-C39-C36	-3.14	117.03	123.47
24	k	610	CLA	C1B-CHB-C4A	-3.14	123.89	130.12
27	B	845	WVN	C26-C29-C31	-3.14	113.40	123.22
27	K	103	WVN	C14-C15-C13	-3.14	118.17	122.73
27	F	204	WVN	C14-C15-C13	-3.14	118.17	122.73
24	e	605	CLA	CMB-C2B-C1B	-3.14	123.63	128.46
27	M	101	WVN	C07-C01-C02	3.14	114.30	109.55
33	k	615	II0	C27-C25-C23	3.14	123.06	116.84
34	f	617	IHT	C41-C40-C37	3.14	129.91	123.47
24	e	611	CLA	C1-C2-C3	-3.14	120.61	126.04
33	f	614	II0	C31-C33-C35	-3.14	117.59	126.42
33	i	614	II0	C20-C14-C12	3.14	120.17	114.36
33	d	314	II0	C32-C34-C36	-3.14	117.60	126.42
24	A	838	CLA	C1B-CHB-C4A	-3.14	123.90	130.12
35	f	611	KC2	O2D-CGD-O1D	-3.14	117.70	123.84
33	c	616	II0	C32-C30-C26	-3.14	117.47	126.58
33	d	313	II0	C42-C41-C39	-3.14	117.05	123.47
26	i	615	LHG	O8-C23-C24	3.14	121.75	111.91
24	F	202	CLA	C1-O2A-CGA	3.14	124.67	116.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	L	206	WVN	C39-C40-C37	-3.13	117.05	123.47
24	a	305	CLA	C1B-CHB-C4A	-3.13	123.91	130.12
34	k	618	IHT	C19-C10-C09	3.13	119.63	113.62
24	A	805	CLA	O2D-CGD-O1D	-3.13	117.71	123.84
35	i	616	KC2	CBD-CHA-C1A	3.13	134.72	128.88
25	B	842	PQN	C14-C13-C15	3.13	120.54	115.27
24	A	811	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
24	B	826	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
24	b	303	CLA	CMB-C2B-C3B	3.13	130.54	124.68
24	B	821	CLA	CMB-C2B-C3B	3.13	130.53	124.68
24	A	802	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
27	h	308	WVN	C30-C33-C34	-3.13	117.63	126.42
34	a	316	IHT	C20-C15-C12	3.13	120.15	114.36
33	c	614	II0	C30-C32-C34	-3.13	113.45	123.22
24	c	612	CLA	C4A-NA-C1A	3.13	108.11	106.71
35	e	609	KC2	CAA-CBA-CGA	-3.13	111.19	127.26
33	a	317	II0	C06-C04-C10	3.13	115.96	109.62
27	J	102	WVN	C29-C31-C32	-3.13	117.64	126.42
33	a	314	II0	C41-C42-C40	-3.13	117.07	123.47
24	b	313	CLA	CMB-C2B-C1B	-3.12	123.66	128.46
35	g	313	KC2	C3B-C2B-C1B	-3.12	104.09	107.08
33	f	615	II0	C31-C33-C35	-3.12	117.64	126.42
33	e	614	II0	C20-C14-C10	-3.12	120.10	124.35
33	f	618	II0	C16-C03-C09	-3.12	105.50	110.47
24	i	606	CLA	O2D-CGD-O1D	-3.12	117.73	123.84
24	j	309	CLA	C1B-CHB-C4A	-3.12	123.93	130.12
34	g	319	IHT	C20-C15-C11	-3.12	120.11	124.35
24	A	803	CLA	C1B-CHB-C4A	-3.12	123.93	130.12
24	A	808	CLA	C1B-CHB-C4A	-3.12	123.94	130.12
24	k	607	CLA	C1B-CHB-C4A	-3.12	123.94	130.12
24	B	815	CLA	C1B-CHB-C4A	-3.12	123.94	130.12
24	h	303	CLA	C2A-C1A-CHA	3.12	129.31	123.86
33	i	614	II0	C07-C11-C13	3.12	118.07	111.85
33	a	314	II0	C42-C40-C36	-3.12	122.86	127.31
33	i	612	II0	C41-C42-C40	-3.12	117.09	123.47
27	A	846	WVN	C39-C40-C37	-3.12	117.09	123.47
33	J	104	II0	C41-C42-C40	-3.12	117.09	123.47
24	B	808	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
35	i	609	KC2	C2A-C1A-NA	3.11	114.40	109.40
24	a	310	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
24	a	302	CLA	O2D-CGD-O1D	-3.11	117.75	123.84
24	f	604	CLA	C1B-CHB-C4A	-3.11	123.96	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	e	608	CLA	CMB-C2B-C1B	-3.11	123.69	128.46
27	L	206	WVN	C26-C29-C31	-3.11	113.52	123.22
24	i	608	CLA	C1B-CHB-C4A	-3.11	123.96	130.12
24	d	303	CLA	C4A-NA-C1A	3.11	108.10	106.71
24	A	806	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
24	J	105	CLA	CHB-C4A-NA	3.11	128.81	124.51
24	f	613	CLA	C1B-CHB-C4A	-3.11	123.97	130.12
33	k	619	II0	C20-C14-C10	-3.11	120.13	124.35
27	A	847	WVN	C39-C40-C37	-3.11	117.11	123.47
24	O	205	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
33	b	314	II0	C05-C03-C09	3.10	115.91	109.62
34	g	319	IHT	C02-C07-C10	-3.10	118.25	122.61
24	B	819	CLA	C1B-CHB-C4A	-3.10	123.98	130.12
24	A	834	CLA	CHB-C4A-NA	3.10	128.80	124.51
27	h	308	WVN	C29-C31-C32	-3.10	117.72	126.42
24	A	826	CLA	CHB-C4A-NA	3.10	128.79	124.51
24	h	302	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
24	L	207	CLA	C1B-CHB-C4A	-3.10	123.98	130.12
33	i	612	II0	C31-C33-C35	-3.10	117.72	126.42
34	g	319	IHT	C03-C11-C15	-3.10	118.26	122.63
33	b	315	II0	C03-C05-C07	-3.10	106.65	113.64
24	j	313	CLA	CMB-C2B-C3B	3.10	130.47	124.68
24	g	315	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
24	b	305	CLA	CHB-C4A-NA	3.09	128.79	124.51
27	I	101	WVN	C23-C20-C13	-3.09	118.52	127.20
24	c	608	CLA	CAA-CBA-CGA	-3.09	104.22	113.25
24	k	604	CLA	C1B-CHB-C4A	-3.09	123.99	130.12
24	a	309	CLA	C1B-CHB-C4A	-3.09	124.00	130.12
24	f	610	CLA	CMB-C2B-C3B	3.09	130.46	124.68
34	f	617	IHT	C02-C07-C10	-3.09	118.26	122.61
24	B	814	CLA	C1B-CHB-C4A	-3.09	124.00	130.12
34	j	317	IHT	C30-C32-C33	-3.09	117.74	126.42
34	R	204	IHT	C41-C38-C35	-3.09	122.90	127.31
24	J	103	CLA	CHB-C4A-NA	3.09	128.78	124.51
28	A	851	LMT	C3B-C4B-C5B	-3.09	104.73	110.24
24	J	105	CLA	C2A-C1A-CHA	3.09	129.25	123.86
24	i	604	CLA	C3A-C2A-C1A	3.09	105.96	101.34
33	k	615	II0	C31-C29-C25	-3.08	117.63	126.58
24	g	303	CLA	C1B-CHB-C4A	-3.08	124.01	130.12
24	d	312	CLA	CAA-C2A-C3A	-3.08	104.34	112.78
24	A	801	CLA	C1B-CHB-C4A	-3.08	124.02	130.12
33	c	616	II0	C03-C09-C13	-3.08	118.29	122.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	839	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
24	b	304	CLA	C1-C2-C3	-3.08	120.72	126.04
27	J	102	WVN	C28-C30-C33	-3.08	113.62	123.22
24	b	312	CLA	CMB-C2B-C3B	3.08	130.43	124.68
35	g	314	KC2	O2D-CGD-CBD	3.07	116.73	111.27
24	c	601	CLA	C1B-CHB-C4A	-3.07	124.03	130.12
27	A	849	WVN	C06-C13-C15	-3.07	118.28	122.61
35	g	313	KC2	C2B-C1B-NB	3.07	112.37	110.10
24	d	306	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
24	B	826	CLA	C1B-CHB-C4A	-3.07	124.03	130.12
24	A	812	CLA	CHB-C4A-NA	3.07	128.76	124.51
24	k	602	CLA	CMB-C2B-C3B	3.07	130.43	124.68
33	j	315	II0	C06-C04-C10	3.07	115.84	109.62
33	f	615	II0	C20-C14-C10	-3.07	120.18	124.35
24	B	811	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
24	h	306	CLA	CMB-C2B-C1B	-3.07	123.75	128.46
24	A	833	CLA	C1B-CHB-C4A	-3.07	124.04	130.12
24	A	816	CLA	CAA-C2A-C3A	-3.07	104.38	112.78
33	e	614	II0	C41-C42-C40	-3.07	117.19	123.47
24	k	604	CLA	CHB-C4A-NA	3.06	128.75	124.51
24	B	840	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
24	f	607	CLA	C1B-CHB-C4A	-3.06	124.05	130.12
24	K	101	CLA	CHB-C4A-NA	3.06	128.75	124.51
24	b	309	CLA	CMB-C2B-C3B	3.06	130.41	124.68
24	a	305	CLA	O2D-CGD-O1D	-3.06	117.85	123.84
33	g	318	II0	C19-C13-C11	3.06	120.03	114.36
24	A	820	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
24	f	612	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
27	R	201	WVN	C04-C09-C05	-3.06	121.92	124.85
24	a	308	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
24	B	828	CLA	C1B-CHB-C4A	-3.06	124.06	130.12
35	g	313	KC2	C2A-C1A-NA	3.06	114.31	109.40
24	h	303	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
24	A	821	CLA	CHD-C1D-ND	-3.06	121.65	124.45
35	c	610	KC2	CHB-C4A-NA	3.06	129.02	124.20
24	e	608	CLA	CHB-C4A-NA	3.06	128.74	124.51
27	j	301	WVN	C06-C13-C15	-3.05	118.31	122.61
24	B	811	CLA	C1B-CHB-C4A	-3.05	124.07	130.12
24	k	606	CLA	CMB-C2B-C3B	3.05	130.39	124.68
24	b	310	CLA	C1B-CHB-C4A	-3.05	124.07	130.12
33	f	615	II0	C42-C41-C39	-3.05	117.22	123.47
24	A	839	CLA	CMB-C2B-C3B	3.05	130.39	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	e	604	CLA	CMB-C2B-C3B	3.05	130.39	124.68
24	h	302	CLA	C1B-CHB-C4A	-3.05	124.08	130.12
24	A	816	CLA	C1B-CHB-C4A	-3.05	124.08	130.12
24	h	305	CLA	C1B-CHB-C4A	-3.05	124.08	130.12
33	i	614	II0	C41-C42-C40	-3.05	117.23	123.47
33	b	315	II0	C29-C31-C33	3.05	132.72	123.22
24	e	610	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
24	h	307	CLA	CHB-C4A-NA	3.05	128.72	124.51
24	A	821	CLA	C1B-CHB-C4A	-3.04	124.09	130.12
33	f	615	II0	C04-C10-C14	-3.04	118.34	122.63
27	R	202	WVN	C29-C31-C32	-3.04	117.87	126.42
35	g	314	KC2	CHB-C4A-NA	3.04	129.00	124.20
33	d	313	II0	C32-C34-C36	-3.04	117.87	126.42
35	f	611	KC2	C2B-C1B-NB	3.04	112.35	110.10
24	i	607	CLA	C1B-CHB-C4A	-3.04	124.09	130.12
24	A	824	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
24	B	833	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
24	g	306	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
33	f	616	II0	C19-C13-C09	-3.04	120.22	124.35
24	B	837	CLA	C1-C2-C3	-3.04	120.79	126.04
24	c	608	CLA	C1B-CHB-C4A	-3.04	124.10	130.12
33	d	313	II0	C28-C26-C24	3.04	122.86	116.84
27	M	101	WVN	C21-C15-C13	-3.04	121.12	124.53
24	A	842	CLA	CHB-C4A-NA	3.04	128.71	124.51
33	f	615	II0	C27-C25-C23	3.04	122.85	116.84
24	L	204	CLA	CAA-CBA-CGA	-3.03	104.39	113.25
33	c	614	II0	C19-C13-C09	-3.03	120.23	124.35
26	f	620	LHG	C5-O7-C7	-3.03	110.32	117.79
27	A	850	WVN	C21-C15-C13	-3.03	121.12	124.53
24	A	819	CLA	CBC-CAC-C3C	-3.03	104.07	112.43
27	L	205	WVN	C21-C15-C13	-3.03	121.12	124.53
35	d	311	KC2	C2A-C1A-NA	3.03	114.26	109.40
33	g	320	II0	C19-C13-C11	3.03	119.97	114.36
24	e	602	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
27	L	205	WVN	C04-C09-C05	-3.03	121.95	124.85
33	g	318	II0	C41-C42-C40	-3.03	117.28	123.47
24	F	202	CLA	CHB-C4A-NA	3.02	128.69	124.51
33	k	619	II0	C28-C26-C24	3.02	122.82	116.84
35	k	612	KC2	CAA-CBA-CGA	-3.02	111.74	127.26
35	g	312	KC2	C3B-C2B-C1B	-3.02	104.19	107.08
33	a	317	II0	C32-C34-C36	3.02	134.90	126.42
24	a	310	CLA	C1B-CHB-C4A	-3.02	124.14	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	803	CLA	CAA-CBA-CGA	-3.02	104.44	113.25
24	e	605	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
27	R	202	WVN	C02-C05-C09	-3.02	117.76	121.47
27	A	846	WVN	C38-C34-C37	-3.02	118.70	122.92
24	f	606	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
24	B	804	CLA	C1B-CHB-C4A	-3.01	124.15	130.12
28	a	318	LMT	C2'-C3'-C4'	3.01	116.56	109.68
24	b	310	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
27	F	204	WVN	C01-C02-C11	-3.01	108.89	112.70
24	A	808	CLA	CHB-C4A-NA	3.01	128.67	124.51
25	A	843	PQN	C11-C12-C13	-3.01	121.78	126.79
27	B	848	WVN	C27-C25-C23	-3.01	113.34	118.08
33	k	619	II0	C31-C29-C25	-3.01	117.85	126.58
24	a	302	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
33	c	616	II0	C20-C14-C10	-3.00	120.27	124.35
24	A	808	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
26	g	321	LHG	O8-C23-C24	3.00	121.33	111.91
24	B	801	CLA	O2A-CGA-O1A	-3.00	116.02	123.59
34	g	319	IHT	C22-C18-C07	-3.00	118.77	127.20
24	B	827	CLA	CMB-C2B-C3B	3.00	130.29	124.68
24	O	201	CLA	C1-C2-C3	-3.00	120.86	126.04
24	B	838	CLA	CMB-C2B-C3B	3.00	130.29	124.68
33	h	311	II0	C28-C26-C24	3.00	122.78	116.84
33	e	612	II0	C31-C33-C35	-3.00	118.00	126.42
24	B	832	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
24	L	207	CLA	CHB-C4A-NA	3.00	128.65	124.51
24	g	310	CLA	C1B-CHB-C4A	-3.00	124.19	130.12
24	h	301	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
24	A	807	CLA	C1B-CHB-C4A	-2.99	124.19	130.12
33	c	614	II0	C06-C04-C10	2.99	115.69	109.62
24	A	856	CLA	CMB-C2B-C1B	-2.99	123.86	128.46
24	B	824	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
35	i	609	KC2	CMB-C2B-C1B	2.99	129.99	124.71
24	A	840	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
32	L	208	LMG	C3-C4-C5	2.99	115.57	110.24
33	e	612	II0	C20-C14-C12	2.99	119.89	114.36
33	i	612	II0	C20-C14-C12	2.99	119.89	114.36
35	i	609	KC2	CBC-CAC-C3C	-2.99	112.76	127.62
24	B	829	CLA	C1B-CHB-C4A	-2.99	124.20	130.12
24	g	311	CLA	CMB-C2B-C1B	-2.99	123.88	128.46
24	j	303	CLA	C1B-CHB-C4A	-2.98	124.21	130.12
24	B	836	CLA	CMB-C2B-C1B	-2.98	123.88	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	813	CLA	CAA-CBA-CGA	-2.98	104.59	112.51
24	b	304	CLA	CHB-C4A-NA	2.98	128.64	124.51
24	k	614	CLA	CMB-C2B-C3B	2.98	130.26	124.68
24	R	203	CLA	CAA-C2A-C3A	-2.98	104.61	112.78
24	b	311	CLA	C1-C2-C3	-2.98	120.89	126.04
24	B	817	CLA	O2D-CGD-CBD	2.98	116.56	111.27
34	f	617	IHT	C27-C30-C32	2.98	132.51	123.22
24	b	308	CLA	CAC-C3C-C2C	2.98	132.62	127.53
33	a	317	II0	C19-C13-C09	-2.98	120.30	124.35
27	B	848	WVN	C26-C29-C31	-2.98	113.92	123.22
26	J	107	LHG	O8-C23-C24	2.98	121.25	111.91
24	A	810	CLA	CMB-C2B-C1B	-2.98	123.89	128.46
24	j	306	CLA	CMB-C2B-C3B	2.98	130.25	124.68
24	A	855	CLA	O2A-CGA-O1A	-2.98	116.08	123.59
24	B	827	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
24	b	304	CLA	C1B-CHB-C4A	-2.97	124.23	130.12
24	A	813	CLA	O2D-CGD-CBD	2.97	116.55	111.27
24	b	310	CLA	C4A-NA-C1A	2.97	108.04	106.71
24	j	313	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
24	B	817	CLA	C1B-CHB-C4A	-2.97	124.24	130.12
24	d	301	CLA	C1B-CHB-C4A	-2.97	124.24	130.12
24	K	102	CLA	CAA-C2A-C3A	-2.97	106.84	114.26
34	b	316	IHT	C19-C10-C09	2.97	119.32	113.62
33	c	616	II0	C20-C14-C12	2.97	119.86	114.36
24	g	309	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
24	k	604	CLA	O2A-CGA-O1A	-2.97	116.10	123.59
27	e	615	WVN	C18-C06-C13	2.97	115.11	110.30
24	A	810	CLA	C4A-NA-C1A	2.97	108.04	106.71
33	h	309	II0	C19-C13-C09	-2.97	120.32	124.35
33	d	313	II0	C19-C13-C09	-2.97	120.32	124.35
33	d	315	II0	C20-C14-C10	-2.97	120.32	124.35
33	g	316	II0	C12-C14-C10	-2.97	113.84	120.57
24	j	307	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
24	K	102	CLA	CHB-C4A-NA	2.96	128.61	124.51
24	B	829	CLA	O2D-CGD-CBD	2.96	116.53	111.27
24	f	610	CLA	C1B-CHB-C4A	-2.96	124.25	130.12
24	d	307	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
24	A	823	CLA	C1B-CHB-C4A	-2.96	124.26	130.12
24	B	803	CLA	C1B-CHB-C4A	-2.96	124.26	130.12
34	b	316	IHT	C20-C15-C11	-2.96	120.33	124.35
24	d	309	CLA	CAA-C2A-C3A	-2.96	109.20	116.10
24	j	309	CLA	O2D-CGD-O1D	-2.96	118.06	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	836	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
24	j	314	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
26	g	321	LHG	C6-C5-C4	-2.95	104.80	111.79
24	A	823	CLA	CMB-C2B-C1B	-2.95	123.92	128.46
24	L	203	CLA	C1B-CHB-C4A	-2.95	124.27	130.12
33	k	621	II0	C20-C14-C12	2.95	119.83	114.36
24	B	809	CLA	C1B-CHB-C4A	-2.95	124.27	130.12
24	g	305	CLA	C1B-CHB-C4A	-2.95	124.27	130.12
24	e	606	CLA	C1B-CHB-C4A	-2.95	124.28	130.12
24	A	828	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
33	c	613	II0	C04-C10-C14	-2.95	118.47	122.63
24	h	304	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
27	B	845	WVN	C01-C02-C11	-2.95	108.97	112.70
33	a	315	II0	C19-C13-C09	-2.95	120.34	124.35
24	A	855	CLA	C4-C3-C5	2.95	120.23	115.27
34	c	615	IHT	C31-C34-C35	-2.95	118.14	126.42
24	A	833	CLA	CHD-C1D-ND	-2.95	121.75	124.45
33	d	315	II0	C31-C33-C35	-2.94	118.14	126.42
24	a	309	CLA	CMB-C2B-C3B	2.94	130.19	124.68
35	d	311	KC2	C3B-C2B-C1B	-2.94	104.27	107.08
24	i	604	CLA	C1-C2-C3	-2.94	120.95	126.04
24	b	305	CLA	C1B-CHB-C4A	-2.94	124.29	130.12
24	k	602	CLA	C1B-CHB-C4A	-2.94	124.29	130.12
24	e	601	CLA	CMB-C2B-C3B	2.94	130.18	124.68
24	j	311	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
24	R	203	CLA	O2A-CGA-O1A	-2.94	116.17	123.59
24	A	815	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
27	J	101	WVN	C39-C40-C37	-2.94	117.46	123.47
24	k	610	CLA	CMB-C2B-C3B	2.94	130.17	124.68
27	B	847	WVN	C23-C20-C13	-2.94	118.95	127.20
27	F	205	WVN	C38-C34-C37	-2.93	118.81	122.92
34	a	316	IHT	C30-C32-C33	-2.93	118.18	126.42
24	A	830	CLA	C1B-CHB-C4A	-2.93	124.31	130.12
24	d	304	CLA	C1B-CHB-C4A	-2.93	124.31	130.12
35	e	609	KC2	O2D-CGD-O1D	-2.93	118.11	123.84
24	B	811	CLA	CHB-C4A-NA	2.93	128.57	124.51
24	B	806	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
33	b	318	II0	C06-C04-C10	2.93	115.56	109.62
24	A	826	CLA	C1B-CHB-C4A	-2.93	124.31	130.12
33	k	617	II0	C20-C14-C12	2.93	119.78	114.36
33	f	618	II0	C04-C10-C14	-2.93	118.50	122.63
27	M	101	WVN	C29-C26-C22	-2.93	123.13	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	h	308	WVN	C21-C15-C13	-2.93	121.24	124.53
24	A	806	CLA	C11-C10-C8	-2.93	106.46	115.92
24	A	855	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
33	j	318	II0	C03-C09-C13	-2.92	118.51	122.63
24	K	101	CLA	CAA-C2A-C1A	2.92	121.55	111.97
24	f	601	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
24	A	840	CLA	C1B-CHB-C4A	-2.92	124.33	130.12
24	d	307	CLA	CMB-C2B-C3B	2.92	130.14	124.68
24	c	602	CLA	CAC-C3C-C4C	2.92	128.60	124.81
33	k	616	II0	C11-C13-C09	-2.92	113.94	120.57
33	g	318	II0	C06-C04-C10	2.92	115.54	109.62
35	d	310	KC2	O2D-CGD-O1D	-2.92	118.13	123.84
34	k	618	IHT	C20-C15-C11	-2.92	120.39	124.35
24	A	842	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
24	d	302	CLA	O2D-CGD-O1D	-2.92	118.14	123.84
33	e	613	II0	C06-C08-C12	2.92	114.30	110.30
24	A	828	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
24	K	102	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
24	d	305	CLA	C1B-CHB-C4A	-2.92	124.34	130.12
33	a	315	II0	C19-C13-C11	2.92	119.76	114.36
24	A	801	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
33	c	614	II0	C19-C13-C11	2.91	119.75	114.36
24	B	831	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
26	j	319	LHG	O8-C23-C24	2.91	121.05	111.91
26	a	301	LHG	C5-O7-C7	-2.91	110.62	117.79
24	k	608	CLA	C1B-CHB-C4A	-2.91	124.35	130.12
24	h	305	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
33	e	613	II0	C20-C14-C12	2.91	119.75	114.36
35	g	313	KC2	C3D-CAD-CBD	-2.91	103.77	107.61
24	B	832	CLA	C1B-CHB-C4A	-2.91	124.36	130.12
27	B	846	WVN	C21-C15-C13	-2.91	121.26	124.53
24	k	608	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
33	a	315	II0	C20-C14-C12	2.91	119.74	114.36
33	a	315	II0	C42-C41-C39	-2.91	117.52	123.47
27	A	846	WVN	C20-C23-C25	-2.91	121.84	126.23
24	A	819	CLA	CAA-CBA-CGA	-2.91	104.80	112.51
24	e	604	CLA	CHB-C4A-NA	2.90	128.53	124.51
33	f	618	II0	C11-C13-C09	-2.90	113.98	120.57
34	R	204	IHT	C20-C15-C11	-2.90	120.40	124.35
24	O	205	CLA	CMB-C2B-C3B	2.90	130.11	124.68
32	O	204	LMG	O8-C28-C29	2.90	121.02	111.91
35	d	311	KC2	C2B-C1B-NB	2.90	112.24	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	d	303	CLA	O2D-CGD-O1D	-2.90	118.16	123.84
27	h	308	WVN	C06-C13-C15	-2.90	118.52	122.61
24	c	607	CLA	C4A-NA-C1A	2.90	108.01	106.71
33	h	311	II0	C20-C14-C12	2.90	119.73	114.36
24	A	831	CLA	CMB-C2B-C1B	-2.90	124.00	128.46
24	j	302	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
34	b	317	IHT	C19-C10-C09	2.90	119.19	113.62
33	j	316	II0	C31-C33-C35	-2.90	118.27	126.42
35	i	609	KC2	C3B-C2B-C1B	-2.90	104.31	107.08
33	e	612	II0	C42-C41-C39	-2.90	117.53	123.47
33	k	615	II0	C08-C12-C14	2.90	117.63	111.85
33	a	315	II0	C20-C14-C10	-2.90	120.41	124.35
34	O	203	IHT	C20-C15-C12	2.90	119.73	114.36
24	f	605	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
27	L	201	WVN	C40-C39-C36	-2.90	117.54	123.47
33	e	614	II0	C06-C04-C10	2.90	115.49	109.62
24	B	829	CLA	CMB-C2B-C3B	2.90	130.10	124.68
24	i	604	CLA	C1B-CHB-C4A	-2.90	124.38	130.12
24	f	602	CLA	CMB-C2B-C3B	2.89	130.09	124.68
24	A	804	CLA	CHB-C4A-NA	2.89	128.51	124.51
33	a	314	II0	C31-C29-C25	-2.89	118.18	126.58
34	R	204	IHT	C36-C33-C37	-2.89	118.87	122.92
33	g	320	II0	C38-C36-C40	-2.89	118.87	122.92
35	d	311	KC2	CHB-C4A-NA	2.89	128.76	124.20
24	A	814	CLA	C1-C2-C3	-2.89	122.07	126.75
24	A	835	CLA	C1B-CHB-C4A	-2.89	124.39	130.12
27	A	848	WVN	C12-C14-C15	-2.89	108.92	114.08
24	A	812	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
35	c	610	KC2	C3B-C2B-C1B	-2.89	104.32	107.08
35	i	616	KC2	C3B-C2B-C1B	-2.89	104.32	107.08
24	I	102	CLA	C1B-CHB-C4A	-2.89	124.40	130.12
24	e	602	CLA	C1B-CHB-C4A	-2.89	124.40	130.12
24	B	834	CLA	CMB-C2B-C1B	-2.88	124.03	128.46
28	a	318	LMT	O5'-C1'-C2'	-2.88	104.24	110.35
24	A	855	CLA	C1-O2A-CGA	2.88	124.01	116.44
24	A	833	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
24	g	302	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
27	R	202	WVN	C39-C40-C37	-2.88	117.57	123.47
33	h	309	II0	C31-C33-C35	-2.88	118.33	126.42
24	a	304	CLA	CHB-C4A-NA	2.88	128.49	124.51
24	a	303	CLA	C1B-CHB-C4A	-2.88	124.42	130.12
27	J	101	WVN	C39-C36-C32	-2.87	123.21	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	j	318	II0	C27-C25-C23	2.87	122.53	116.84
33	j	315	II0	C42-C41-C39	-2.87	117.59	123.47
32	L	208	LMG	O8-C28-C29	2.87	120.93	111.91
24	B	817	CLA	CHB-C4A-NA	2.87	128.49	124.51
27	J	102	WVN	C30-C28-C25	-2.87	123.21	127.31
24	L	202	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
24	h	303	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
24	a	311	CLA	CAC-C3C-C2C	2.87	132.44	127.53
24	f	609	CLA	C1B-CHB-C4A	-2.87	124.43	130.12
33	a	315	II0	C05-C03-C09	2.87	115.44	109.62
24	j	308	CLA	CHB-C4A-NA	2.87	128.48	124.51
24	A	826	CLA	CMC-C2C-C1C	-2.87	120.67	125.04
27	L	206	WVN	C33-C34-C37	-2.87	114.54	118.94
27	L	201	WVN	C07-C01-C02	2.87	113.89	109.55
24	A	806	CLA	O2A-CGA-O1A	-2.87	116.36	123.59
24	B	805	CLA	C1B-CHB-C4A	-2.87	124.44	130.12
24	j	305	CLA	C1B-CHB-C4A	-2.87	124.44	130.12
35	g	314	KC2	CBD-CHA-C1A	2.86	134.22	128.88
35	j	312	KC2	C2A-C1A-NA	2.86	114.00	109.40
24	A	837	CLA	C1B-CHB-C4A	-2.86	124.45	130.12
24	h	304	CLA	C4A-NA-C1A	2.86	107.99	106.71
35	d	311	KC2	CAC-C3C-C4C	2.86	137.81	124.47
27	I	101	WVN	C39-C40-C37	-2.86	117.61	123.47
24	i	607	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
24	f	604	CLA	CHB-C4A-NA	2.86	128.47	124.51
24	B	838	CLA	C1B-CHB-C4A	-2.86	124.45	130.12
24	f	613	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
35	d	310	KC2	C2B-C1B-NB	2.86	112.21	110.10
24	b	303	CLA	C1B-CHB-C4A	-2.86	124.46	130.12
35	d	311	KC2	O2D-CGD-CBD	2.85	116.34	111.27
24	B	815	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
24	B	810	CLA	C1B-CHB-C4A	-2.85	124.47	130.12
33	d	315	II0	C06-C04-C10	2.85	115.40	109.62
33	b	318	II0	C37-C35-C33	2.85	122.57	118.08
24	A	839	CLA	C1B-CHB-C4A	-2.85	124.47	130.12
26	g	321	LHG	O3-P-O5	-2.85	97.93	109.07
24	a	302	CLA	C1B-CHB-C4A	-2.85	124.48	130.12
33	g	316	II0	C20-C14-C12	2.85	119.63	114.36
27	F	204	WVN	C28-C30-C33	-2.85	114.33	123.22
24	d	303	CLA	C2C-C1C-NC	2.84	112.64	109.97
35	k	612	KC2	CAB-C3B-C2B	2.84	137.97	128.60
35	k	613	KC2	C2B-C1B-NB	2.84	112.20	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	825	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
24	g	304	CLA	C1B-CHB-C4A	-2.84	124.50	130.12
27	A	848	WVN	C06-C13-C20	2.84	123.81	115.78
24	j	310	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
35	d	310	KC2	C3B-C2B-C1B	-2.84	104.37	107.08
24	B	832	CLA	CAA-C2A-C3A	-2.84	105.01	112.78
24	A	836	CLA	C7-C6-C5	-2.84	105.65	113.36
33	f	614	II0	C04-C10-C14	-2.84	118.63	122.63
27	B	847	WVN	C29-C31-C32	2.84	134.38	126.42
24	j	305	CLA	CHB-C4A-NA	2.83	128.43	124.51
24	b	307	CLA	C1B-CHB-C4A	-2.83	124.51	130.12
24	a	307	CLA	CHB-C4A-NA	2.83	128.43	124.51
27	L	205	WVN	C40-C37-C34	-2.83	123.27	127.31
24	A	822	CLA	CMB-C2B-C1B	-2.83	124.11	128.46
24	i	611	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
27	J	101	WVN	C26-C29-C31	-2.83	114.38	123.22
33	c	614	II0	C31-C33-C35	-2.83	118.47	126.42
33	k	617	II0	C30-C32-C34	-2.83	114.39	123.22
24	a	306	CLA	CMB-C2B-C3B	2.83	129.97	124.68
24	a	311	CLA	CAA-C2A-C3A	-2.83	105.03	112.78
35	j	312	KC2	C3B-C2B-C1B	-2.83	104.37	107.08
24	a	304	CLA	CMB-C2B-C3B	2.83	129.97	124.68
33	e	616	II0	C04-C10-C14	-2.83	118.64	122.63
24	g	308	CLA	C1B-CHB-C4A	-2.83	124.52	130.12
33	c	614	II0	C18-C04-C10	-2.83	105.98	110.47
33	k	616	II0	C05-C03-C09	2.83	115.35	109.62
24	A	841	CLA	C1B-CHB-C4A	-2.83	124.52	130.12
24	b	306	CLA	CHB-C4A-NA	2.82	128.42	124.51
35	d	310	KC2	C3D-CAD-CBD	-2.82	103.89	107.61
24	B	840	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
24	i	601	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
33	c	614	II0	C41-C42-C40	-2.82	117.69	123.47
24	B	801	CLA	O2D-CGD-CBD	2.82	116.28	111.27
24	A	853	CLA	CHB-C4A-NA	2.82	128.41	124.51
24	d	309	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
24	a	304	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
34	O	203	IHT	C22-C18-C07	-2.82	119.28	127.20
24	j	311	CLA	C1B-CHB-C4A	-2.82	124.53	130.12
33	a	315	II0	C16-C03-C09	-2.82	105.99	110.47
33	e	614	II0	C28-C26-C24	2.82	122.42	116.84
30	B	843	DGD	O1G-C1A-C2A	2.82	120.75	111.91
24	A	834	CLA	CAA-C2A-C3A	-2.82	105.06	112.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	a	317	II0	C41-C42-C40	-2.82	117.71	123.47
24	A	817	CLA	CHB-C4A-NA	2.81	128.40	124.51
24	B	830	CLA	CAA-CBA-CGA	-2.81	105.03	113.25
34	b	316	IHT	C22-C18-C07	-2.81	119.30	127.20
24	A	801	CLA	CMB-C2B-C3B	2.81	129.94	124.68
24	B	833	CLA	C1B-CHB-C4A	-2.81	124.55	130.12
24	A	807	CLA	CHB-C4A-NA	2.81	128.40	124.51
24	k	607	CLA	CMB-C2B-C1B	-2.81	124.14	128.46
24	I	102	CLA	CHD-C1D-ND	-2.81	121.87	124.45
30	B	843	DGD	C3G-O3G-C1D	-2.81	108.26	113.74
24	c	601	CLA	CMB-C2B-C3B	2.81	129.93	124.68
24	i	602	CLA	C1-C2-C3	-2.81	122.21	126.75
27	J	102	WVN	C31-C32-C36	2.80	123.25	118.94
33	j	315	II0	C17-C04-C10	-2.80	106.01	110.47
24	B	812	CLA	CAA-C2A-C3A	-2.80	105.10	112.78
27	A	848	WVN	C20-C23-C25	-2.80	122.00	126.23
24	e	607	CLA	C1-C2-C3	-2.80	121.20	126.04
33	e	614	II0	C32-C34-C36	-2.80	118.55	126.42
24	b	308	CLA	CAA-CBA-CGA	-2.80	105.07	113.25
24	B	821	CLA	CHD-C1D-ND	-2.80	121.88	124.45
24	e	604	CLA	C1B-CHB-C4A	-2.80	124.58	130.12
33	e	613	II0	C42-C40-C36	-2.80	123.32	127.31
27	B	847	WVN	C31-C32-C36	-2.79	114.65	118.94
24	g	304	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
24	A	839	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
24	c	604	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
24	c	605	CLA	CMB-C2B-C3B	2.79	129.90	124.68
24	f	613	CLA	CMB-C2B-C3B	2.79	129.90	124.68
24	d	305	CLA	C4A-NA-C1A	2.79	107.96	106.71
34	c	615	IHT	C22-C18-C07	-2.79	119.36	127.20
24	e	603	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
24	d	301	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
24	B	839	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
33	g	316	II0	C38-C36-C34	2.79	122.47	118.08
24	j	304	CLA	CHB-C4A-NA	2.79	128.37	124.51
27	L	201	WVN	C10-C06-C13	2.79	114.77	110.48
26	g	301	LHG	O8-C23-C24	2.79	120.66	111.91
35	i	616	KC2	CHB-C4A-NA	2.79	128.59	124.20
24	J	103	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
34	O	203	IHT	C40-C41-C38	-2.79	117.77	123.47
24	B	841	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
35	j	312	KC2	CAB-C3B-C2B	2.78	137.78	128.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	g	320	II0	C06-C04-C10	2.78	115.26	109.62
24	i	605	CLA	C1B-CHB-C4A	-2.78	124.61	130.12
24	c	602	CLA	CHB-C4A-NA	2.78	128.36	124.51
35	k	612	KC2	C2A-C1A-NA	2.78	113.86	109.40
27	L	206	WVN	C28-C30-C33	2.78	131.89	123.22
24	A	802	CLA	C11-C12-C13	-2.78	106.94	115.92
24	f	606	CLA	CHB-C4A-NA	2.78	128.35	124.51
24	d	309	CLA	C4A-NA-C1A	2.78	107.95	106.71
33	a	314	II0	C05-C03-C09	2.77	115.24	109.62
24	A	833	CLA	CMB-C2B-C3B	2.77	129.87	124.68
24	g	305	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
34	a	316	IHT	C18-C22-C23	-2.77	122.05	126.23
24	f	605	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
24	B	806	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
24	B	822	CLA	CHB-C4A-NA	2.77	128.34	124.51
24	j	306	CLA	CHB-C4A-NA	2.77	128.34	124.51
34	f	617	IHT	C20-C15-C11	-2.77	120.58	124.35
24	f	602	CLA	C1B-CHB-C4A	-2.77	124.63	130.12
24	d	301	CLA	CAA-CBA-CGA	-2.77	105.16	113.25
24	d	304	CLA	CHB-C4A-NA	2.77	128.34	124.51
24	f	607	CLA	CMB-C2B-C3B	2.77	129.86	124.68
24	a	312	CLA	C1D-ND-C4D	-2.77	104.37	106.33
24	c	612	CLA	CAA-C2A-C3A	-2.77	105.20	112.78
24	A	830	CLA	CHD-C1D-ND	-2.77	121.91	124.45
27	B	848	WVN	C02-C05-C09	-2.77	118.06	121.47
24	A	805	CLA	C1B-CHB-C4A	-2.77	124.64	130.12
24	b	309	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
24	e	611	CLA	CMB-C2B-C3B	2.77	129.85	124.68
27	L	201	WVN	C20-C23-C25	-2.76	122.06	126.23
33	b	314	II0	C11-C13-C09	-2.76	114.30	120.57
24	g	311	CLA	CMB-C2B-C3B	2.76	129.85	124.68
24	f	601	CLA	O2D-CGD-O1D	-2.76	118.43	123.84
27	h	308	WVN	C07-C01-C02	2.76	113.73	109.55
24	A	842	CLA	CAA-C2A-C3A	-2.76	105.21	112.78
28	a	318	LMT	O5'-C5'-C4'	2.76	115.58	109.75
24	g	302	CLA	CHB-C4A-NA	2.76	128.33	124.51
24	B	808	CLA	O2D-CGD-CBD	2.76	116.17	111.27
24	K	101	CLA	C1B-CHB-C4A	-2.76	124.65	130.12
24	c	608	CLA	O2D-CGD-CBD	2.76	116.17	111.27
27	A	849	WVN	C39-C40-C37	-2.76	117.83	123.47
24	A	832	CLA	CHB-C4A-NA	2.76	128.32	124.51
24	A	855	CLA	C4-C3-C2	-2.75	116.61	123.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	850	WVN	C26-C29-C31	-2.75	114.62	123.22
33	d	314	II0	C29-C31-C33	-2.75	114.62	123.22
24	A	819	CLA	C1B-CHB-C4A	-2.75	124.66	130.12
35	g	313	KC2	O2D-CGD-CBD	2.75	116.16	111.27
27	B	845	WVN	C28-C30-C33	-2.75	114.63	123.22
24	c	609	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
24	g	310	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
24	A	835	CLA	CMB-C2B-C1B	-2.75	124.23	128.46
35	k	613	KC2	CHB-C4A-NA	2.75	128.54	124.20
24	B	804	CLA	CAC-C3C-C2C	-2.75	122.82	127.53
27	L	205	WVN	C20-C23-C25	-2.75	122.08	126.23
24	d	305	CLA	CHD-C1D-ND	-2.75	121.93	124.45
24	a	311	CLA	C2C-C1C-NC	2.75	112.55	109.97
24	e	605	CLA	CMD-C2D-C3D	2.75	133.94	127.61
24	a	308	CLA	C1B-CHB-C4A	-2.75	124.67	130.12
24	i	610	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
27	F	205	WVN	C20-C13-C15	-2.75	114.81	121.46
34	j	317	IHT	C22-C18-C07	-2.75	119.49	127.20
24	A	835	CLA	O2D-CGD-CBD	2.75	116.15	111.27
33	a	314	II0	C30-C32-C34	-2.75	114.65	123.22
24	j	308	CLA	CMB-C2B-C3B	2.75	129.81	124.68
24	f	606	CLA	CMB-C2B-C1B	-2.74	124.25	128.46
33	e	612	II0	C32-C34-C36	-2.74	118.71	126.42
33	f	618	II0	C19-C13-C11	2.74	119.44	114.36
35	j	312	KC2	CBC-CAC-C3C	-2.74	113.98	127.62
24	a	310	CLA	CMB-C2B-C3B	2.74	129.81	124.68
24	A	829	CLA	O2D-CGD-CBD	2.74	116.14	111.27
24	A	820	CLA	CHB-C4A-NA	2.74	128.30	124.51
24	A	803	CLA	O2D-CGD-CBD	2.74	116.14	111.27
24	B	824	CLA	C1B-CHB-C4A	-2.74	124.69	130.12
27	B	847	WVN	C19-C22-C26	-2.74	114.74	118.94
24	A	820	CLA	C7-C6-C5	-2.74	105.92	113.36
24	B	811	CLA	CMB-C2B-C1B	-2.74	124.26	128.46
34	c	615	IHT	C20-C15-C12	2.74	119.42	114.36
33	g	317	II0	C04-C10-C14	-2.74	118.77	122.63
24	g	322	CLA	C1B-CHB-C4A	-2.74	124.70	130.12
33	j	318	II0	C20-C14-C12	2.74	119.42	114.36
27	B	847	WVN	C12-C14-C15	-2.74	109.19	114.08
33	f	614	II0	C28-C26-C24	2.74	122.26	116.84
24	A	812	CLA	C1B-CHB-C4A	-2.74	124.70	130.12
24	e	605	CLA	CMD-C2D-C1D	-2.73	119.89	124.71
24	A	823	CLA	O2D-CGD-O1D	-2.73	118.49	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	i	611	CLA	CHB-C4A-NA	2.73	128.29	124.51
34	j	317	IHT	C20-C15-C12	2.73	119.42	114.36
24	F	202	CLA	C1B-CHB-C4A	-2.73	124.70	130.12
24	A	822	CLA	C1B-CHB-C4A	-2.73	124.71	130.12
24	B	831	CLA	C1B-CHB-C4A	-2.73	124.71	130.12
32	J	106	LMG	O7-C10-C11	2.73	117.39	111.50
24	g	305	CLA	CHB-C4A-NA	2.73	128.29	124.51
24	e	605	CLA	CHB-C4A-NA	2.73	128.29	124.51
35	d	310	KC2	CAB-C3B-C2B	2.73	137.59	128.60
24	K	101	CLA	C2A-C1A-CHA	2.73	128.63	123.86
24	e	608	CLA	O2D-CGD-CBD	2.73	116.11	111.27
27	B	848	WVN	C24-C22-C19	2.73	122.37	118.08
24	g	311	CLA	C1B-CHB-C4A	-2.73	124.72	130.12
24	a	303	CLA	C1-C2-C3	-2.73	122.34	126.75
24	A	809	CLA	O2D-CGD-O1D	-2.73	118.51	123.84
24	A	832	CLA	CHD-C1D-ND	-2.73	121.95	124.45
33	j	318	II0	C28-C26-C24	2.73	122.24	116.84
33	k	617	II0	C28-C26-C24	2.72	122.23	116.84
24	i	608	CLA	CMB-C2B-C3B	2.72	129.77	124.68
24	i	605	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
33	j	315	II0	C41-C42-C40	-2.72	117.90	123.47
24	e	603	CLA	CAA-C2A-C3A	-2.72	105.32	112.78
33	c	616	II0	C42-C41-C39	-2.72	117.90	123.47
33	f	614	II0	C16-C03-C09	-2.72	106.14	110.47
24	b	308	CLA	CMC-C2C-C1C	-2.72	120.89	125.04
24	B	836	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
24	b	312	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
24	A	808	CLA	CAA-CBA-CGA	-2.72	105.31	113.25
33	c	616	II0	C19-C13-C11	2.72	119.39	114.36
24	A	803	CLA	CHD-C1D-ND	-2.72	121.96	124.45
24	B	825	CLA	C2A-C1A-CHA	2.72	128.61	123.86
24	h	306	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
24	A	842	CLA	O2D-CGD-CBD	2.72	116.10	111.27
24	c	605	CLA	O2D-CGD-CBD	2.72	116.09	111.27
24	c	611	CLA	CMB-C2B-C3B	2.72	129.76	124.68
24	k	610	CLA	CHB-C4A-NA	2.72	128.27	124.51
32	b	301	LMG	C8-O7-C10	-2.72	111.11	117.79
24	B	807	CLA	O2D-CGD-CBD	2.72	116.09	111.27
27	I	101	WVN	C40-C37-C34	-2.72	123.44	127.31
24	O	201	CLA	C1B-CHB-C4A	-2.71	124.74	130.12
35	k	611	KC2	C2B-C1B-NB	2.71	112.10	110.10
24	d	302	CLA	C1B-CHB-C4A	-2.71	124.74	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	837	CLA	C1B-CHB-C4A	-2.71	124.75	130.12
35	f	611	KC2	CAB-C3B-C2B	2.71	137.53	128.60
26	c	617	LHG	O8-C23-C24	2.71	120.41	111.91
24	j	307	CLA	CHB-C4A-NA	2.71	128.26	124.51
24	k	609	CLA	CHD-C1D-ND	-2.71	121.97	124.45
33	g	316	II0	C28-C26-C24	2.71	122.20	116.84
35	g	314	KC2	C2B-C1B-NB	2.71	112.10	110.10
27	L	205	WVN	C39-C36-C32	-2.71	123.45	127.31
24	h	301	CLA	CHB-C4A-NA	2.71	128.25	124.51
24	e	606	CLA	CHB-C4A-NA	2.71	128.25	124.51
33	d	313	II0	C05-C03-C09	2.71	115.10	109.62
24	A	817	CLA	O2D-CGD-CBD	2.71	116.08	111.27
24	f	601	CLA	CMB-C2B-C3B	2.70	129.74	124.68
27	A	848	WVN	C20-C13-C15	-2.70	114.91	121.46
24	L	203	CLA	CHD-C1D-ND	-2.70	121.97	124.45
24	i	602	CLA	CHB-C4A-NA	2.70	128.25	124.51
24	b	306	CLA	CMB-C2B-C3B	2.70	129.73	124.68
27	R	201	WVN	C20-C23-C25	-2.70	122.16	126.23
33	e	614	II0	C31-C33-C35	-2.70	118.84	126.42
33	h	311	II0	C42-C41-C39	-2.70	117.95	123.47
33	k	616	II0	C03-C05-C07	-2.70	107.55	113.64
24	k	603	CLA	CHB-C4A-NA	2.70	128.24	124.51
26	a	301	LHG	O8-C23-C24	2.70	120.37	111.91
35	k	612	KC2	C2B-C1B-NB	2.69	112.09	110.10
24	B	836	CLA	CAA-CBA-CGA	-2.69	105.38	113.25
24	B	827	CLA	C1-C2-C3	-2.69	122.39	126.75
33	h	311	II0	C19-C13-C11	2.69	119.35	114.36
24	K	102	CLA	O1D-CGD-CBD	2.69	130.00	124.48
24	O	205	CLA	C4A-NA-C1A	2.69	107.92	106.71
24	k	605	CLA	O2D-CGD-O1D	-2.69	118.57	123.84
33	g	316	II0	C05-C03-C09	2.69	115.08	109.62
33	k	615	II0	C20-C14-C12	2.69	119.34	114.36
35	k	612	KC2	CBD-CHA-C1A	2.69	133.90	128.88
33	k	616	II0	C37-C35-C33	2.69	122.32	118.08
24	A	814	CLA	CHD-C1D-ND	-2.69	121.98	124.45
33	h	309	II0	C31-C29-C25	-2.69	118.77	126.58
33	a	314	II0	C19-C13-C09	-2.69	120.69	124.35
33	j	316	II0	C27-C25-C23	2.69	122.17	116.84
24	B	833	CLA	C4-C3-C5	2.69	119.80	115.27
24	i	601	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
24	i	606	CLA	C1B-CHB-C4A	-2.69	124.79	130.12
24	A	817	CLA	O2A-CGA-O1A	-2.69	116.81	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	c	607	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
26	c	618	LHG	O8-C23-C24	2.69	120.33	111.91
24	d	302	CLA	CAA-C2A-C3A	-2.69	105.42	112.78
24	c	606	CLA	C1-C2-C3	-2.69	121.40	126.04
27	K	103	WVN	C35-C32-C31	2.68	122.31	118.08
24	L	203	CLA	CHB-C4A-NA	2.68	128.22	124.51
27	I	101	WVN	C39-C36-C32	-2.68	123.48	127.31
24	A	804	CLA	C1B-CHB-C4A	-2.68	124.80	130.12
24	h	303	CLA	CHB-C4A-NA	2.68	128.22	124.51
24	c	601	CLA	CHB-C4A-NA	2.68	128.22	124.51
24	f	610	CLA	CHB-C4A-NA	2.68	128.22	124.51
34	O	203	IHT	C31-C34-C35	-2.68	118.88	126.42
33	i	612	II0	C42-C41-C39	-2.68	117.98	123.47
24	A	821	CLA	CHB-C4A-NA	2.68	128.22	124.51
33	e	612	II0	C19-C13-C11	2.68	119.32	114.36
34	b	316	IHT	C30-C32-C33	-2.68	118.89	126.42
24	B	813	CLA	CBA-CAA-C2A	2.68	121.77	113.86
24	h	307	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
24	e	601	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
24	i	607	CLA	CAA-C2A-C1A	2.68	120.75	111.97
24	j	304	CLA	C1B-CHB-C4A	-2.68	124.82	130.12
24	J	105	CLA	CBA-CAA-C2A	-2.68	105.97	113.86
34	f	617	IHT	C20-C15-C12	2.68	119.31	114.36
33	h	310	II0	C03-C09-C13	-2.67	118.86	122.63
24	b	309	CLA	CHD-C1D-ND	-2.67	122.00	124.45
24	B	809	CLA	O2D-CGD-O1D	-2.67	118.61	123.84
33	h	309	II0	C19-C13-C11	2.67	119.31	114.36
27	A	850	WVN	C20-C23-C25	-2.67	122.20	126.23
27	h	308	WVN	C23-C20-C13	-2.67	119.70	127.20
24	a	310	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
24	k	602	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
24	A	817	CLA	C1-C2-C3	-2.67	121.43	126.04
24	A	818	CLA	O2D-CGD-CBD	2.67	116.01	111.27
24	A	834	CLA	O2D-CGD-CBD	2.67	116.01	111.27
24	d	308	CLA	CAA-C2A-C3A	-2.67	109.87	116.10
24	B	812	CLA	O2D-CGD-O1D	-2.67	118.62	123.84
32	L	208	LMG	C1-C2-C3	2.67	115.55	110.00
27	I	101	WVN	C21-C15-C13	-2.67	121.53	124.53
27	A	847	WVN	C01-C02-C11	-2.67	109.33	112.70
33	e	613	II0	C05-C03-C09	2.67	115.02	109.62
24	A	837	CLA	CAC-C3C-C4C	2.67	128.27	124.81
26	c	617	LHG	C5-O7-C7	-2.67	111.23	117.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	O	203	IHT	C31-C29-C26	-2.67	118.84	126.58
33	d	313	II0	C38-C36-C34	2.67	122.28	118.08
33	k	617	II0	C42-C41-C39	-2.66	118.02	123.47
24	i	610	CLA	CHD-C1D-ND	-2.66	122.00	124.45
24	A	802	CLA	CAA-CBA-CGA	-2.66	105.47	113.25
24	A	806	CLA	C1B-CHB-C4A	-2.66	124.84	130.12
24	b	307	CLA	CAA-C2A-C3A	-2.66	105.49	112.78
33	g	318	II0	C16-C03-C09	-2.66	106.24	110.47
34	R	204	IHT	C20-C15-C12	2.66	119.29	114.36
33	h	309	II0	C27-C25-C23	2.66	122.11	116.84
24	B	822	CLA	C11-C12-C13	-2.66	107.32	115.92
24	A	825	CLA	CHB-C4A-NA	2.66	128.19	124.51
24	A	818	CLA	C7-C6-C5	-2.66	106.14	113.36
24	k	605	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
24	A	805	CLA	CHB-C4A-NA	2.66	128.19	124.51
24	B	824	CLA	CHB-C4A-NA	2.66	128.19	124.51
24	d	308	CLA	CHB-C4A-NA	2.66	128.19	124.51
24	a	302	CLA	CHB-C4A-NA	2.66	128.19	124.51
24	g	306	CLA	O2D-CGD-O1D	-2.66	118.64	123.84
35	g	312	KC2	C2A-C1A-NA	2.66	113.66	109.40
24	j	305	CLA	C1-C2-C3	-2.65	121.45	126.04
33	e	616	II0	C31-C33-C35	-2.65	118.96	126.42
24	F	201	CLA	CMB-C2B-C3B	2.65	129.64	124.68
24	A	806	CLA	CMB-C2B-C1B	-2.65	124.39	128.46
24	A	812	CLA	C6-C5-C3	-2.65	106.50	113.45
24	g	308	CLA	CHB-C4A-NA	2.65	128.18	124.51
24	a	310	CLA	CAA-C2A-C3A	-2.65	105.52	112.78
24	A	813	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
24	b	308	CLA	C1B-CHB-C4A	-2.65	124.86	130.12
24	A	811	CLA	O2D-CGD-CBD	2.65	115.98	111.27
27	L	205	WVN	C39-C40-C37	-2.65	118.04	123.47
27	J	102	WVN	C18-C06-C13	-2.65	106.00	110.30
24	i	601	CLA	CMB-C2B-C3B	2.65	129.64	124.68
24	g	322	CLA	CHB-C4A-NA	2.65	128.18	124.51
24	k	603	CLA	C3A-C2A-C1A	2.65	105.31	101.34
26	e	617	LHG	O8-C23-C24	2.65	120.22	111.91
24	b	307	CLA	O2D-CGD-O1D	-2.65	118.66	123.84
24	B	822	CLA	O2D-CGD-CBD	2.65	115.97	111.27
24	b	309	CLA	CAA-CBA-CGA	-2.65	105.52	113.25
34	j	317	IHT	C03-C11-C15	-2.65	118.90	122.63
35	k	612	KC2	CMB-C2B-C1B	2.65	129.38	124.71
33	a	317	II0	C32-C30-C26	2.65	134.26	126.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	I	101	WVN	C01-C02-C11	-2.65	109.36	112.70
24	k	603	CLA	CAA-C2A-C1A	-2.64	103.31	111.97
33	d	313	II0	C06-C08-C12	2.64	113.92	110.30
33	i	614	II0	C12-C14-C10	-2.64	114.57	120.57
24	A	826	CLA	CAA-CBA-CGA	-2.64	105.53	113.25
32	J	106	LMG	O8-C28-C29	2.64	120.20	111.91
27	A	847	WVN	C35-C32-C36	-2.64	119.22	122.92
28	A	851	LMT	O5B-C5B-C4B	2.64	114.49	109.69
33	g	318	II0	C42-C41-C39	-2.64	118.06	123.47
24	B	834	CLA	CHB-C4A-NA	2.64	128.16	124.51
24	k	601	CLA	O2D-CGD-O1D	-2.64	118.67	123.84
27	j	301	WVN	C20-C23-C25	-2.64	122.25	126.23
24	k	610	CLA	C4A-NA-C1A	2.64	107.89	106.71
24	O	201	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
24	B	830	CLA	CHD-C1D-ND	-2.64	122.03	124.45
24	R	203	CLA	CHD-C1D-ND	-2.64	122.03	124.45
27	L	205	WVN	C23-C25-C28	2.64	122.99	118.94
24	A	819	CLA	CMB-C2B-C3B	2.64	129.61	124.68
34	b	316	IHT	C03-C11-C15	-2.64	118.91	122.63
24	A	810	CLA	O2D-CGD-O1D	-2.64	118.69	123.84
33	f	615	II0	C19-C13-C09	-2.63	120.77	124.35
24	A	803	CLA	CHB-C4A-NA	2.63	128.15	124.51
24	A	816	CLA	CHB-C4A-NA	2.63	128.15	124.51
24	c	605	CLA	O2A-CGA-O1A	-2.63	116.95	123.59
33	k	616	II0	C32-C30-C26	-2.63	118.94	126.58
24	f	601	CLA	CHB-C4A-NA	2.63	128.15	124.51
24	g	306	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
24	f	604	CLA	O2D-CGD-O1D	-2.63	118.70	123.84
33	i	613	II0	C03-C09-C13	-2.63	118.92	122.63
24	A	829	CLA	C1B-CHB-C4A	-2.63	124.91	130.12
24	a	311	CLA	CHA-C1A-NA	-2.63	120.38	126.40
24	B	810	CLA	CHD-C1D-ND	-2.63	122.04	124.45
24	g	304	CLA	CHB-C4A-NA	2.63	128.14	124.51
33	a	315	II0	C28-C26-C24	2.63	122.04	116.84
24	e	603	CLA	CHB-C4A-NA	2.63	128.14	124.51
24	g	309	CLA	CHB-C4A-NA	2.62	128.14	124.51
33	a	314	II0	C20-C14-C12	2.62	119.22	114.36
24	f	603	CLA	CHB-C4A-NA	2.62	128.14	124.51
33	a	313	II0	C30-C32-C34	-2.62	115.04	123.22
33	a	313	II0	C28-C26-C24	2.62	122.03	116.84
24	k	607	CLA	O2D-CGD-O1D	-2.62	118.72	123.84
35	i	616	KC2	O2D-CGD-O1D	-2.62	118.72	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	h	308	WVN	C21-C15-C14	2.62	118.64	113.62
24	e	601	CLA	CHB-C4A-NA	2.62	128.13	124.51
24	a	306	CLA	O2A-CGA-O1A	-2.62	116.78	123.30
35	g	313	KC2	CAA-CBA-CGA	-2.61	113.82	127.26
24	e	605	CLA	CMB-C2B-C3B	2.61	129.57	124.68
24	j	306	CLA	CHA-C1A-NA	-2.61	120.41	126.40
35	d	310	KC2	CAA-CBA-CGA	-2.61	113.83	127.26
27	A	847	WVN	C40-C37-C34	-2.61	123.58	127.31
33	a	317	II0	C27-C25-C23	2.61	122.02	116.84
33	i	613	II0	C27-C25-C23	2.61	122.02	116.84
27	e	615	WVN	C30-C33-C34	-2.61	119.08	126.42
24	h	306	CLA	CMB-C2B-C3B	2.61	129.57	124.68
24	A	819	CLA	CMC-C2C-C3C	2.61	133.21	126.12
34	f	617	IHT	C03-C11-C15	-2.61	118.95	122.63
24	f	603	CLA	C1B-CHB-C4A	-2.61	124.94	130.12
24	A	810	CLA	CHB-C4A-NA	2.61	128.12	124.51
27	B	849	WVN	C01-C02-C11	-2.61	109.40	112.70
24	d	306	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
24	B	827	CLA	CHD-C1D-ND	-2.61	122.06	124.45
24	j	314	CLA	CHB-C4A-NA	2.61	128.12	124.51
24	B	826	CLA	CHB-C4A-NA	2.61	128.12	124.51
24	J	105	CLA	O2D-CGD-O1D	-2.61	118.74	123.84
24	B	810	CLA	CMB-C2B-C1B	-2.61	124.46	128.46
27	R	202	WVN	C23-C20-C13	-2.61	119.88	127.20
24	B	820	CLA	CHB-C4A-NA	2.61	128.12	124.51
24	I	102	CLA	C6-C7-C8	-2.60	107.50	115.92
26	b	302	LHG	O8-C23-C24	2.60	120.08	111.91
24	B	830	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
24	A	830	CLA	O2D-CGD-CBD	2.60	115.89	111.27
33	k	615	II0	C03-C09-C13	-2.60	118.96	122.63
24	k	614	CLA	O2D-CGD-O1D	-2.60	118.75	123.84
35	k	613	KC2	CBD-CHA-C1A	2.60	133.73	128.88
33	g	317	II0	C28-C26-C24	2.60	121.99	116.84
24	A	856	CLA	CHD-C1D-ND	-2.60	122.06	124.45
33	O	202	II0	C42-C41-C39	-2.60	118.15	123.47
24	B	822	CLA	C7-C6-C5	2.60	120.41	113.36
24	a	308	CLA	CHB-C4A-NA	2.60	128.10	124.51
27	A	847	WVN	C12-C14-C15	-2.60	109.44	114.08
25	B	842	PQN	C2M-C2-C3	-2.60	120.17	124.40
24	b	311	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
33	a	317	II0	C06-C08-C12	2.59	113.85	110.30
33	d	314	II0	C32-C30-C26	-2.59	119.05	126.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	k	618	IHT	C30-C32-C33	-2.59	119.13	126.42
24	j	303	CLA	O2D-CGD-O1D	-2.59	118.77	123.84
24	k	602	CLA	CMC-C2C-C1C	-2.59	121.09	125.04
24	g	303	CLA	O2A-CGA-O1A	-2.59	117.05	123.59
33	j	316	II0	C30-C32-C34	-2.59	115.13	123.22
24	c	603	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
33	g	318	II0	C19-C13-C09	-2.59	120.83	124.35
24	e	611	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
24	O	205	CLA	CBA-CAA-C2A	2.59	121.50	113.86
33	e	614	II0	C20-C14-C12	2.59	119.15	114.36
24	B	814	CLA	CHB-C4A-NA	2.59	128.09	124.51
24	h	303	CLA	CAA-CBA-CGA	-2.59	105.69	113.25
35	c	610	KC2	CAB-C3B-C2B	2.59	137.13	128.60
24	i	604	CLA	C2A-C1A-CHA	2.59	128.38	123.86
24	B	818	CLA	C1-C2-C3	-2.59	121.57	126.04
24	h	307	CLA	C2A-C1A-CHA	2.58	128.38	123.86
24	B	822	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
24	O	205	CLA	C2C-C1C-NC	2.58	112.39	109.97
33	j	316	II0	C29-C31-C33	-2.58	115.16	123.22
33	g	317	II0	C20-C14-C12	2.58	119.14	114.36
24	k	608	CLA	CHB-C4A-NA	2.58	128.08	124.51
24	f	613	CLA	CHB-C4A-NA	2.58	128.08	124.51
24	O	201	CLA	CBC-CAC-C3C	2.58	119.55	112.43
24	i	604	CLA	O2D-CGD-O1D	-2.58	118.79	123.84
24	A	828	CLA	CHB-C4A-NA	2.58	128.08	124.51
24	c	608	CLA	C1-C2-C3	-2.58	121.58	126.04
24	A	856	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
33	i	613	II0	C41-C42-C40	-2.58	118.19	123.47
34	c	615	IHT	C30-C32-C33	-2.58	119.18	126.42
27	M	101	WVN	C06-C13-C15	-2.58	118.98	122.61
27	R	201	WVN	C30-C33-C34	-2.58	119.18	126.42
33	i	613	II0	C30-C32-C34	-2.57	115.19	123.22
33	b	318	II0	C30-C32-C34	-2.57	115.19	123.22
33	j	315	II0	C19-C13-C11	2.57	119.12	114.36
33	g	318	II0	C31-C29-C25	-2.57	119.11	126.58
33	k	617	II0	C31-C33-C35	-2.57	119.19	126.42
24	d	306	CLA	CMB-C2B-C3B	2.57	129.49	124.68
34	k	618	IHT	C04-C02-C07	2.57	114.44	110.48
24	b	313	CLA	CMB-C2B-C3B	2.57	129.49	124.68
24	J	105	CLA	C1B-CHB-C4A	-2.57	125.02	130.12
24	B	835	CLA	O2D-CGD-O1D	-2.57	118.81	123.84
35	g	312	KC2	CAB-C3B-C2B	2.57	137.07	128.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	810	CLA	C1-C2-C3	-2.57	121.60	126.04
24	a	308	CLA	O2A-C1-C2	-2.57	101.88	108.64
24	A	802	CLA	CAA-C2A-C1A	-2.57	103.56	111.97
24	j	309	CLA	CHB-C4A-NA	2.57	128.06	124.51
24	j	313	CLA	C1D-ND-C4D	-2.57	104.51	106.33
24	a	306	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
27	F	204	WVN	C12-C14-C15	-2.57	109.49	114.08
24	k	614	CLA	CHB-C4A-NA	2.57	128.06	124.51
24	b	304	CLA	O2A-CGA-O1A	-2.57	117.12	123.59
27	B	849	WVN	C39-C36-C32	-2.57	123.65	127.31
24	B	816	CLA	CHB-C4A-NA	2.57	128.06	124.51
24	h	306	CLA	CHB-C4A-NA	2.56	128.06	124.51
24	j	305	CLA	CHD-C1D-ND	-2.56	122.10	124.45
33	a	314	II0	C27-C25-C23	2.56	121.92	116.84
33	d	313	II0	C31-C33-C35	-2.56	119.22	126.42
24	b	308	CLA	CMC-C2C-C3C	2.56	133.07	126.12
33	f	616	II0	C31-C33-C35	-2.56	119.22	126.42
35	k	613	KC2	O2D-CGD-O1D	-2.56	118.83	123.84
27	B	848	WVN	C30-C28-C25	2.56	130.97	127.31
24	B	807	CLA	CHB-C4A-NA	2.56	128.06	124.51
24	a	303	CLA	CHB-C4A-NA	2.56	128.06	124.51
27	A	848	WVN	C07-C01-C02	2.56	113.43	109.55
34	R	204	IHT	C29-C31-C34	-2.56	115.22	123.22
34	j	317	IHT	C31-C34-C35	-2.56	119.22	126.42
24	i	603	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
35	g	314	KC2	CBC-CAC-C3C	-2.56	114.88	127.62
33	c	614	II0	C20-C14-C12	2.56	119.10	114.36
24	d	303	CLA	C2D-C1D-ND	-2.56	108.22	110.10
24	c	602	CLA	O2A-CGA-O1A	-2.56	117.13	123.59
34	a	316	IHT	C05-C08-C12	2.56	113.81	110.30
33	h	311	II0	C06-C04-C10	2.56	114.80	109.62
24	A	807	CLA	O2D-CGD-CBD	2.56	115.81	111.27
24	B	807	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
24	A	810	CLA	O2A-CGA-O1A	-2.56	117.14	123.59
24	e	611	CLA	O2A-CGA-O1A	-2.56	117.14	123.59
34	f	617	IHT	C39-C35-C38	-2.55	119.34	122.92
24	f	610	CLA	O2D-CGD-O1D	-2.55	118.84	123.84
35	g	313	KC2	CAB-C3B-C2B	2.55	137.02	128.60
33	e	613	II0	C16-C03-C09	-2.55	106.41	110.47
24	f	602	CLA	CHB-C4A-NA	2.55	128.04	124.51
33	g	320	II0	C38-C36-C34	2.55	122.10	118.08
24	g	302	CLA	C1B-CHB-C4A	-2.55	125.06	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	d	308	CLA	O2D-CGD-O1D	-2.55	118.85	123.84
24	B	812	CLA	CHB-C4A-NA	2.55	128.04	124.51
24	B	835	CLA	CHB-C4A-NA	2.55	128.04	124.51
24	h	312	CLA	O2D-CGD-CBD	2.55	115.80	111.27
24	F	201	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
34	k	618	IHT	C03-C11-C15	-2.55	119.03	122.63
24	A	836	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
27	B	845	WVN	C35-C32-C31	2.55	122.09	118.08
24	a	307	CLA	C1-C2-C3	-2.55	121.63	126.04
24	g	310	CLA	C1-C2-C3	-2.55	121.63	126.04
27	A	849	WVN	C26-C29-C31	-2.55	115.26	123.22
32	L	208	LMG	C1-O6-C5	-2.55	108.68	113.69
24	A	837	CLA	C2D-C1D-ND	-2.55	108.23	110.10
24	A	812	CLA	CAC-C3C-C4C	2.55	128.12	124.81
24	g	306	CLA	CMB-C2B-C3B	2.55	129.44	124.68
32	b	301	LMG	O8-C28-C29	2.55	119.90	111.91
34	b	316	IHT	C20-C15-C12	2.55	119.08	114.36
35	c	610	KC2	O2D-CGD-O1D	-2.55	118.86	123.84
27	B	846	WVN	C19-C22-C26	-2.55	115.03	118.94
27	e	615	WVN	C06-C13-C20	2.55	122.98	115.78
24	B	803	CLA	CMB-C2B-C1B	-2.54	124.55	128.46
24	j	304	CLA	CAA-C2A-C3A	-2.54	105.81	112.78
24	a	302	CLA	CMB-C2B-C3B	2.54	129.44	124.68
27	B	847	WVN	C35-C32-C36	-2.54	119.36	122.92
24	B	836	CLA	CBC-CAC-C3C	2.54	119.44	112.43
26	g	321	LHG	C5-O7-C7	-2.54	111.53	117.79
33	k	621	II0	C19-C13-C11	2.54	119.06	114.36
24	A	824	CLA	C2A-C1A-CHA	2.54	128.30	123.86
27	K	103	WVN	C39-C40-C37	-2.54	118.27	123.47
27	F	205	WVN	C39-C40-C37	2.54	128.68	123.47
30	B	843	DGD	C2G-O2G-C1B	-2.54	111.54	117.79
35	j	312	KC2	CAA-CBA-CGA	-2.54	114.21	127.26
33	k	619	II0	C19-C13-C09	-2.54	120.90	124.35
27	I	101	WVN	C28-C30-C33	-2.54	115.29	123.22
24	A	828	CLA	O2A-CGA-O1A	-2.54	117.18	123.59
27	B	845	WVN	C12-C14-C15	-2.54	109.54	114.08
24	A	806	CLA	CAA-CBA-CGA	-2.54	105.84	113.25
33	e	616	II0	C32-C34-C36	-2.54	119.29	126.42
24	B	828	CLA	CHB-C4A-NA	2.54	128.02	124.51
24	B	823	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
24	A	813	CLA	O2D-CGD-O1D	-2.54	118.88	123.84
33	k	616	II0	C07-C11-C13	-2.54	106.80	111.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	805	CLA	C1-C2-C3	-2.54	121.66	126.04
24	k	607	CLA	CHB-C4A-NA	2.54	128.02	124.51
33	b	318	II0	C28-C26-C24	2.54	121.86	116.84
27	L	206	WVN	C29-C26-C22	-2.54	123.69	127.31
24	e	608	CLA	CMB-C2B-C3B	2.53	129.42	124.68
33	j	315	II0	C20-C14-C12	2.53	119.05	114.36
24	d	303	CLA	CAC-C3C-C4C	2.53	128.10	124.81
24	A	831	CLA	CMB-C2B-C3B	2.53	129.42	124.68
33	b	318	II0	C12-C14-C10	-2.53	114.82	120.57
24	d	303	CLA	C1-C2-C3	-2.53	121.66	126.04
24	e	610	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
24	O	201	CLA	CHB-C4A-NA	2.53	128.01	124.51
33	k	615	II0	C41-C39-C35	-2.53	123.70	127.31
27	e	615	WVN	C27-C25-C28	-2.53	119.38	122.92
28	b	319	LMT	C3'-C4'-C5'	-2.53	105.73	110.24
27	A	847	WVN	C35-C32-C31	-2.53	114.09	118.08
24	b	310	CLA	CHD-C1D-ND	-2.53	122.13	124.45
24	A	805	CLA	O2A-CGA-O1A	-2.53	117.21	123.59
24	k	606	CLA	CHB-C4A-NA	2.53	128.01	124.51
24	F	202	CLA	CHD-C1D-ND	-2.53	122.13	124.45
33	a	315	II0	C04-C10-C14	-2.53	119.07	122.63
35	c	610	KC2	CAA-CBA-CGA	-2.53	114.28	127.26
33	b	318	II0	C41-C42-C40	-2.53	118.30	123.47
24	B	832	CLA	C1-C2-C3	-2.52	121.68	126.04
35	k	612	KC2	CAC-C3C-C2C	-2.52	120.29	128.60
34	j	317	IHT	C20-C15-C11	-2.52	120.92	124.35
33	c	613	II0	C28-C26-C24	2.52	121.84	116.84
34	g	319	IHT	C28-C26-C24	2.52	121.83	116.84
35	k	611	KC2	C3B-C2B-C1B	-2.52	104.67	107.08
27	B	846	WVN	C39-C36-C32	-2.52	123.71	127.31
24	J	103	CLA	CAA-C2A-C3A	-2.52	107.96	114.26
35	k	612	KC2	CAB-C3B-C4B	-2.52	118.81	124.90
33	k	621	II0	C28-C26-C24	2.52	121.83	116.84
24	h	312	CLA	CHB-C4A-NA	2.52	128.00	124.51
24	a	307	CLA	CMB-C2B-C3B	2.52	129.39	124.68
24	i	608	CLA	O2D-CGD-O1D	-2.52	118.92	123.84
24	A	806	CLA	C11-C12-C13	-2.52	107.79	115.92
35	e	609	KC2	CAB-C3B-C2B	2.52	136.89	128.60
33	e	616	II0	C20-C14-C12	2.52	119.02	114.36
24	i	601	CLA	CHB-C4A-NA	2.52	127.99	124.51
24	A	830	CLA	CHB-C4A-NA	2.51	127.99	124.51
24	f	609	CLA	CHB-C4A-NA	2.51	127.99	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	812	CLA	C1-C2-C3	-2.51	121.70	126.04
24	A	826	CLA	CAA-C2A-C3A	-2.51	105.90	112.78
24	B	833	CLA	CHB-C4A-NA	2.51	127.98	124.51
33	f	616	II0	C41-C42-C40	-2.51	118.33	123.47
24	j	307	CLA	O2A-CGA-O1A	-2.51	117.26	123.59
24	e	604	CLA	C11-C10-C8	-2.51	107.81	115.92
33	c	614	II0	C42-C41-C39	-2.51	118.33	123.47
26	d	316	LHG	O8-C23-C24	2.51	119.78	111.91
33	c	613	II0	C31-C33-C35	-2.51	119.37	126.42
34	f	617	IHT	C04-C02-C07	2.51	114.34	110.48
24	I	102	CLA	CHB-C4A-NA	2.51	127.98	124.51
24	c	612	CLA	CHB-C4A-NA	2.51	127.98	124.51
27	J	101	WVN	C38-C34-C37	-2.51	119.41	122.92
33	d	314	II0	C31-C29-C25	-2.51	119.30	126.58
24	B	827	CLA	O2A-CGA-O1A	-2.51	117.27	123.59
24	e	604	CLA	O2A-CGA-O1A	-2.50	117.28	123.59
34	O	203	IHT	C12-C15-C11	-2.50	114.89	120.57
24	B	840	CLA	CHB-C4A-NA	2.50	127.97	124.51
34	g	319	IHT	C19-C10-C09	2.50	118.42	113.62
27	h	308	WVN	C27-C25-C28	-2.50	119.42	122.92
33	b	315	II0	C37-C35-C39	-2.50	119.42	122.92
24	k	605	CLA	CHB-C4A-NA	2.50	127.97	124.51
33	J	104	II0	C15-C03-C09	-2.50	106.50	110.47
24	A	835	CLA	CHB-C4A-NA	2.50	127.97	124.51
24	B	825	CLA	O2A-C1-C2	-2.50	102.07	108.64
33	g	320	II0	C27-C25-C23	2.50	121.78	116.84
26	f	619	LHG	O8-C23-C24	2.50	119.74	111.91
24	B	830	CLA	CHB-C4A-NA	2.49	127.96	124.51
26	A	845	LHG	C9-C8-C7	-2.49	104.55	113.62
24	d	306	CLA	O2A-CGA-O1A	-2.49	117.30	123.59
24	c	608	CLA	CED-O2D-CGD	2.49	121.58	115.94
24	h	302	CLA	O2D-CGD-CBD	2.49	115.70	111.27
24	b	308	CLA	CHB-C4A-NA	2.49	127.96	124.51
33	b	315	II0	C06-C04-C10	2.49	114.67	109.62
24	j	302	CLA	CHB-C4A-NA	2.49	127.96	124.51
24	B	834	CLA	O2D-CGD-CBD	2.49	115.69	111.27
24	b	308	CLA	CMB-C2B-C1B	-2.49	124.64	128.46
24	g	310	CLA	O2A-CGA-O1A	-2.49	117.31	123.59
33	g	318	II0	C31-C33-C35	-2.49	119.42	126.42
24	A	810	CLA	CMB-C2B-C3B	2.49	129.34	124.68
24	h	307	CLA	O2D-CGD-O1D	-2.49	118.97	123.84
27	A	847	WVN	C07-C01-C02	2.49	113.31	109.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	826	CLA	O2D-CGD-CBD	2.49	115.69	111.27
24	b	307	CLA	CHB-C4A-NA	2.49	127.95	124.51
24	B	808	CLA	O2A-CGA-O1A	-2.49	117.32	123.59
24	A	812	CLA	CAA-CBA-CGA	-2.49	105.99	113.25
33	k	617	II0	C31-C29-C25	-2.49	119.36	126.58
24	A	826	CLA	C3A-C2A-C1A	2.49	105.06	101.34
24	g	302	CLA	CAA-C2A-C3A	-2.49	108.05	114.26
33	a	314	II0	C04-C10-C14	-2.48	119.12	122.63
33	i	614	II0	C03-C09-C13	-2.48	119.12	122.63
33	e	614	II0	C05-C03-C09	2.48	114.66	109.62
24	h	302	CLA	O2A-CGA-O1A	-2.48	117.32	123.59
24	B	806	CLA	CHB-C4A-NA	2.48	127.95	124.51
24	e	602	CLA	CHB-C4A-NA	2.48	127.95	124.51
24	B	841	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
24	e	610	CLA	CHB-C4A-NA	2.48	127.95	124.51
35	k	611	KC2	CAB-C3B-C2B	2.48	136.78	128.60
24	O	205	CLA	C4-C3-C5	2.48	119.44	115.27
24	A	832	CLA	C6-C7-C8	-2.48	107.90	115.92
27	B	845	WVN	C21-C15-C13	-2.48	121.74	124.53
33	b	315	II0	C20-C14-C10	-2.48	120.98	124.35
24	A	840	CLA	CHB-C4A-NA	2.48	127.94	124.51
33	k	616	II0	C06-C04-C10	2.48	114.64	109.62
27	h	308	WVN	C20-C23-C25	-2.48	122.49	126.23
24	B	820	CLA	O2D-CGD-CBD	2.48	115.67	111.27
24	j	306	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
24	e	611	CLA	CHB-C4A-NA	2.48	127.94	124.51
33	b	314	II0	C06-C04-C10	2.48	114.64	109.62
33	e	612	II0	C06-C04-C10	2.47	114.64	109.62
34	a	316	IHT	C12-C15-C11	-2.47	114.95	120.57
24	A	802	CLA	CHB-C4A-NA	2.47	127.93	124.51
24	f	608	CLA	CHB-C4A-NA	2.47	127.93	124.51
34	b	317	IHT	C20-C15-C12	2.47	118.94	114.36
24	A	823	CLA	CHD-C1D-ND	-2.47	122.18	124.45
24	B	822	CLA	C2A-C1A-CHA	2.47	128.18	123.86
24	B	806	CLA	O1D-CGD-CBD	2.47	129.54	124.48
24	a	307	CLA	CAA-C2A-C3A	-2.47	106.01	112.78
33	O	202	II0	C11-C13-C09	-2.47	114.96	120.57
27	K	103	WVN	C30-C33-C34	-2.47	119.48	126.42
33	g	316	II0	C03-C09-C13	-2.47	119.15	122.63
24	j	305	CLA	O2D-CGD-O1D	-2.47	119.01	123.84
27	F	205	WVN	C26-C29-C31	-2.47	115.51	123.22
28	A	851	LMT	C1B-O5B-C5B	2.47	118.53	113.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	B	846	WVN	C23-C20-C13	-2.47	120.27	127.20
24	B	808	CLA	CHB-C4A-NA	2.47	127.92	124.51
24	j	311	CLA	CHB-C4A-NA	2.47	127.92	124.51
24	c	611	CLA	CHB-C4A-NA	2.46	127.92	124.51
24	g	307	CLA	CHB-C4A-NA	2.46	127.92	124.51
35	c	610	KC2	C2B-C1B-NB	2.46	111.92	110.10
24	A	856	CLA	CMB-C2B-C3B	2.46	129.29	124.68
33	e	616	II0	C31-C29-C25	-2.46	119.43	126.58
33	c	614	II0	C38-C36-C34	2.46	121.96	118.08
24	b	313	CLA	CHB-C4A-NA	2.46	127.92	124.51
33	e	616	II0	C06-C08-C12	2.46	113.67	110.30
24	g	309	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
26	d	316	LHG	O3-P-O5	-2.46	99.45	109.07
24	A	836	CLA	O2D-CGD-CBD	2.46	115.64	111.27
33	b	315	II0	C18-C04-C10	-2.46	106.56	110.47
33	h	311	II0	C30-C32-C34	-2.46	115.54	123.22
33	d	315	II0	C32-C30-C26	-2.46	119.43	126.58
24	A	805	CLA	O2D-CGD-CBD	2.46	115.64	111.27
33	a	313	II0	C41-C42-C40	-2.46	118.43	123.47
35	f	611	KC2	CBC-CAC-C3C	-2.46	115.38	127.62
24	B	822	CLA	O2A-CGA-O1A	-2.46	117.38	123.59
24	L	207	CLA	CAC-C3C-C4C	2.46	128.00	124.81
24	e	603	CLA	O2D-CGD-CBD	2.46	115.64	111.27
24	b	305	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
24	d	312	CLA	C2A-C1A-CHA	2.46	128.16	123.86
24	a	309	CLA	O2A-CGA-O1A	-2.46	117.39	123.59
24	d	309	CLA	CHB-C4A-NA	2.46	127.91	124.51
33	b	315	II0	C23-C21-C09	-2.46	169.20	175.43
24	K	102	CLA	C2A-C1A-CHA	2.46	128.16	123.86
24	A	816	CLA	CBA-CAA-C2A	2.46	121.12	113.86
24	A	823	CLA	CMB-C2B-C3B	2.46	129.28	124.68
24	B	834	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
33	i	612	II0	C18-C04-C10	-2.46	106.56	110.47
24	A	838	CLA	CHB-C4A-NA	2.46	127.91	124.51
24	R	203	CLA	CHB-C4A-NA	2.46	127.91	124.51
33	c	613	II0	C20-C14-C12	2.45	118.90	114.36
33	k	621	II0	C29-C31-C33	-2.45	115.56	123.22
24	B	807	CLA	O2A-CGA-O1A	-2.45	117.40	123.59
24	B	821	CLA	O2A-CGA-O1A	-2.45	117.40	123.59
33	b	315	II0	C28-C26-C24	2.45	121.70	116.84
24	A	837	CLA	C1-C2-C3	-2.45	121.80	126.04
27	A	849	WVN	C16-C05-C09	-2.45	113.61	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	b	312	CLA	CHB-C4A-NA	2.45	127.90	124.51
24	k	601	CLA	CAA-CBA-CGA	-2.45	106.10	113.25
33	g	320	II0	C15-C03-C09	-2.45	106.58	110.47
24	j	310	CLA	CHB-C4A-NA	2.45	127.90	124.51
27	A	848	WVN	C28-C30-C33	-2.45	115.58	123.22
24	a	305	CLA	O2A-CGA-O1A	-2.45	117.41	123.59
27	F	204	WVN	C16-C05-C09	-2.45	113.62	122.33
34	f	617	IHT	C31-C29-C26	-2.45	119.47	126.58
33	e	616	II0	C03-C09-C13	-2.45	119.18	122.63
24	A	816	CLA	C4-C3-C2	-2.45	117.40	123.68
33	j	318	II0	C37-C35-C33	2.44	121.93	118.08
24	j	307	CLA	CMB-C2B-C3B	2.44	129.25	124.68
24	A	807	CLA	C11-C10-C8	-2.44	108.02	115.92
32	O	204	LMG	C8-O7-C10	-2.44	111.78	117.79
24	A	814	CLA	O2A-CGA-O1A	-2.44	117.43	123.59
35	i	609	KC2	CGD-CBD-CAD	-2.44	102.82	110.73
26	B	802	LHG	O8-C23-C24	2.44	119.57	111.91
33	a	314	II0	C37-C35-C39	-2.44	119.50	122.92
24	B	813	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
24	B	825	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
27	M	101	WVN	C04-C09-C05	-2.44	122.51	124.85
24	d	306	CLA	CHB-C4A-NA	2.44	127.89	124.51
35	k	612	KC2	CMC-C2C-C1C	-2.44	121.32	125.04
24	A	831	CLA	CHB-C4A-NA	2.44	127.89	124.51
24	f	612	CLA	O2A-CGA-O1A	-2.44	117.44	123.59
24	k	601	CLA	CHB-C4A-NA	2.44	127.89	124.51
27	J	101	WVN	C30-C33-C34	-2.44	119.56	126.42
35	i	616	KC2	CMB-C2B-C1B	2.44	129.01	124.71
33	f	615	II0	C28-C26-C24	2.44	121.67	116.84
33	j	315	II0	C03-C09-C13	-2.44	119.19	122.63
24	e	608	CLA	C2A-C1A-CHA	2.44	128.12	123.86
24	F	202	CLA	O2D-CGD-CBD	2.44	115.60	111.27
24	f	603	CLA	O2D-CGD-CBD	2.44	115.60	111.27
24	a	305	CLA	C1-C2-C3	-2.44	121.83	126.04
27	A	849	WVN	C20-C13-C15	-2.44	115.56	121.46
33	c	613	II0	C31-C29-C25	-2.44	119.51	126.58
24	A	807	CLA	CHD-C1D-ND	-2.44	122.22	124.45
24	b	313	CLA	C1-C2-C3	-2.43	121.83	126.04
24	j	305	CLA	C11-C12-C13	-2.43	108.05	115.92
24	g	303	CLA	CHB-C4A-NA	2.43	127.88	124.51
24	A	814	CLA	O2D-CGD-CBD	2.43	115.59	111.27
31	B	844	LMU	O1B-C4'-C3'	2.43	113.75	107.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	j	318	II0	C32-C34-C36	-2.43	119.58	126.42
31	B	844	LMU	C3'-C4'-C5'	-2.43	105.35	110.93
24	f	602	CLA	C1-O2A-CGA	2.43	122.83	116.44
24	d	308	CLA	CHD-C1D-ND	-2.43	122.22	124.45
24	c	603	CLA	O2D-CGD-O1D	-2.43	119.08	123.84
24	h	305	CLA	C11-C12-C13	-2.43	108.06	115.92
24	A	806	CLA	CHB-C4A-NA	2.43	127.87	124.51
24	g	311	CLA	CHB-C4A-NA	2.43	127.87	124.51
27	e	615	WVN	C40-C39-C36	-2.43	118.50	123.47
27	L	206	WVN	C38-C34-C37	-2.43	119.52	122.92
27	I	101	WVN	C07-C01-C02	2.43	113.22	109.55
24	B	839	CLA	C16-C15-C13	-2.43	108.07	115.92
27	B	846	WVN	C02-C05-C09	-2.43	118.48	121.47
24	g	309	CLA	O2D-CGD-CBD	2.43	115.58	111.27
33	k	619	II0	C05-C07-C11	2.43	113.63	110.30
24	B	818	CLA	O2D-CGD-O1D	-2.43	119.09	123.84
35	e	609	KC2	C2A-C1A-NA	2.43	113.29	109.40
27	L	206	WVN	C39-C36-C32	-2.43	123.85	127.31
24	k	601	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
24	A	839	CLA	CHB-C4A-NA	2.43	127.87	124.51
33	j	315	II0	C37-C35-C33	2.42	121.90	118.08
34	k	618	IHT	C40-C41-C38	-2.42	118.51	123.47
24	B	803	CLA	O1D-CGD-CBD	2.42	129.44	124.48
24	L	203	CLA	C1-C2-C3	-2.42	121.85	126.04
24	B	838	CLA	O2A-CGA-O1A	-2.42	117.48	123.59
35	g	312	KC2	CAA-CBA-CGA	-2.42	114.82	127.26
33	g	316	II0	C31-C29-C25	-2.42	119.55	126.58
24	B	824	CLA	C16-C15-C13	-2.42	108.10	115.92
33	b	318	II0	C42-C41-C39	-2.42	118.52	123.47
33	c	613	II0	C29-C31-C33	-2.42	115.67	123.22
33	g	317	II0	C06-C04-C10	2.42	114.52	109.62
31	B	844	LMU	O5'-C5'-C4'	2.42	114.85	109.75
24	c	604	CLA	O1D-CGD-CBD	2.42	129.43	124.48
24	k	609	CLA	O2D-CGD-O1D	-2.42	119.11	123.84
27	B	849	WVN	C21-C15-C13	-2.42	121.81	124.53
33	b	318	II0	C37-C35-C39	-2.42	119.54	122.92
24	O	205	CLA	C6-C7-C8	-2.42	108.11	115.92
33	b	314	II0	C20-C14-C12	2.42	118.83	114.36
24	B	821	CLA	CHB-C4A-NA	2.42	127.85	124.51
33	c	613	II0	C32-C34-C36	-2.42	119.63	126.42
24	A	811	CLA	C1B-CHB-C4A	-2.41	125.33	130.12
33	e	613	II0	C31-C33-C35	-2.41	119.63	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	i	609	KC2	CAA-CBA-CGA	-2.41	114.86	127.26
24	d	312	CLA	CBA-CAA-C2A	2.41	120.99	113.86
27	L	201	WVN	C26-C29-C31	-2.41	115.69	123.22
26	c	618	LHG	C5-O7-C7	-2.41	111.85	117.79
24	B	823	CLA	O2A-CGA-O1A	-2.41	117.50	123.59
24	d	302	CLA	C1-C2-C3	-2.41	121.87	126.04
24	A	837	CLA	C6-C7-C8	-2.41	108.12	115.92
27	B	848	WVN	C33-C34-C37	2.41	122.64	118.94
32	F	206	LMG	O8-C28-C29	2.41	119.47	111.91
33	d	315	II0	C20-C14-C12	2.41	118.82	114.36
24	c	612	CLA	O1D-CGD-CBD	2.41	129.41	124.48
24	k	609	CLA	CAA-C2A-C1A	2.41	119.87	111.97
24	I	102	CLA	CBA-CAA-C2A	-2.41	106.75	113.86
24	B	803	CLA	CBA-CAA-C2A	-2.41	106.75	113.86
24	A	815	CLA	CHD-C1D-ND	-2.41	122.24	124.45
27	K	103	WVN	C27-C25-C28	-2.41	119.55	122.92
35	d	311	KC2	CBC-CAC-C3C	-2.41	115.64	127.62
24	f	607	CLA	CAA-CBA-CGA	-2.41	106.22	113.25
27	j	301	WVN	C08-C01-C03	-2.41	104.08	109.03
24	B	832	CLA	CHB-C4A-NA	2.40	127.84	124.51
33	f	615	II0	C30-C32-C34	-2.40	115.72	123.22
24	I	102	CLA	CMB-C2B-C3B	2.40	129.17	124.68
24	B	833	CLA	O2A-C1-C2	-2.40	102.32	108.64
24	O	205	CLA	CAA-CBA-CGA	2.40	120.27	113.25
33	a	315	II0	C06-C04-C10	2.40	114.49	109.62
26	j	319	LHG	C6-C5-C4	-2.40	106.11	111.79
24	g	322	CLA	O2A-CGA-O1A	-2.40	117.53	123.59
24	A	825	CLA	O2D-CGD-CBD	2.40	115.53	111.27
24	k	614	CLA	O2D-CGD-CBD	2.40	115.53	111.27
24	i	607	CLA	CHB-C4A-NA	2.40	127.83	124.51
34	R	204	IHT	C22-C18-C07	-2.40	120.46	127.20
33	g	317	II0	C32-C34-C36	-2.40	119.67	126.42
24	j	314	CLA	O2A-CGA-O1A	-2.40	117.54	123.59
24	c	603	CLA	CHB-C4A-NA	2.40	127.83	124.51
24	B	841	CLA	CHB-C4A-NA	2.40	127.83	124.51
24	A	831	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
33	j	316	II0	C28-C26-C24	2.40	121.58	116.84
24	a	302	CLA	O2A-CGA-O1A	-2.40	117.55	123.59
24	f	607	CLA	CHB-C4A-NA	2.39	127.82	124.51
26	g	321	LHG	O8-C23-O10	-2.39	117.55	123.59
33	g	316	II0	C04-C10-C14	-2.39	119.25	122.63
33	f	618	II0	C19-C13-C09	-2.39	121.10	124.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	g	319	IHT	C06-C09-C10	-2.39	109.81	114.08
24	B	815	CLA	CHB-C4A-NA	2.39	127.82	124.51
24	d	301	CLA	CHB-C4A-NA	2.39	127.82	124.51
35	k	612	KC2	C3D-CAD-CBD	-2.39	104.46	107.61
33	e	614	II0	C16-C03-C09	-2.39	106.67	110.47
24	O	205	CLA	CHB-C4A-NA	2.39	127.82	124.51
33	j	318	II0	C12-C14-C10	-2.39	115.15	120.57
24	A	814	CLA	CHB-C4A-NA	2.39	127.81	124.51
24	B	806	CLA	CHD-C1D-ND	-2.39	122.26	124.45
24	J	105	CLA	C2D-C1D-ND	-2.39	108.35	110.10
24	A	838	CLA	O2D-CGD-CBD	2.38	115.51	111.27
24	B	812	CLA	C7-C6-C5	-2.38	106.89	113.36
24	a	309	CLA	CHB-C4A-NA	2.38	127.81	124.51
24	a	303	CLA	O2D-CGD-CBD	2.38	115.50	111.27
24	c	605	CLA	C1-C2-C3	-2.38	121.93	126.04
24	e	606	CLA	O2D-CGD-O1D	-2.38	119.18	123.84
34	a	316	IHT	C40-C41-C38	-2.38	118.60	123.47
24	a	312	CLA	O2D-CGD-O1D	-2.38	119.19	123.84
34	b	316	IHT	C31-C29-C26	-2.38	119.67	126.58
24	d	312	CLA	CHD-C1D-ND	-2.38	122.27	124.45
27	h	308	WVN	C08-C01-C02	-2.38	105.94	109.55
31	B	844	LMU	O1'-C1'-C2'	2.38	112.02	108.30
24	A	815	CLA	CHB-C4A-NA	2.38	127.80	124.51
24	b	303	CLA	O2D-CGD-CBD	2.38	115.49	111.27
24	A	819	CLA	CHB-C4A-NA	2.38	127.80	124.51
24	c	611	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
24	L	202	CLA	O2D-CGD-CBD	2.38	115.49	111.27
24	b	303	CLA	CHB-C4A-NA	2.37	127.80	124.51
24	A	837	CLA	CHB-C4A-NA	2.37	127.80	124.51
26	k	620	LHG	C6-C5-C4	-2.37	106.17	111.79
27	K	103	WVN	C40-C39-C36	-2.37	118.61	123.47
34	k	618	IHT	C02-C07-C10	-2.37	119.27	122.61
24	d	302	CLA	O2D-CGD-CBD	2.37	115.48	111.27
34	b	316	IHT	C31-C34-C35	-2.37	119.75	126.42
33	h	311	II0	C15-C03-C09	-2.37	106.70	110.47
33	g	316	II0	C19-C13-C11	2.37	118.75	114.36
33	f	618	II0	C37-C35-C39	-2.37	119.60	122.92
24	a	305	CLA	CHB-C4A-NA	2.37	127.79	124.51
24	A	808	CLA	CAA-C2A-C1A	2.37	119.74	111.97
27	B	845	WVN	C06-C13-C15	-2.37	119.28	122.61
33	j	316	II0	C38-C36-C34	2.37	121.81	118.08
24	B	812	CLA	C1B-CHB-C4A	-2.37	125.43	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	819	CLA	CHD-C1D-ND	-2.37	122.28	124.45
24	A	819	CLA	O2D-CGD-CBD	2.37	115.47	111.27
26	B	802	LHG	C5-O7-C7	-2.37	111.96	117.79
33	f	614	II0	C30-C32-C34	-2.37	115.83	123.22
24	i	611	CLA	C2A-C1A-CHA	2.37	128.00	123.86
33	c	616	II0	C31-C29-C25	-2.37	119.71	126.58
24	A	808	CLA	CHD-C1D-ND	-2.37	122.28	124.45
24	A	824	CLA	CHA-C1A-NA	-2.37	120.98	126.40
33	k	615	II0	C12-C14-C10	-2.36	115.20	120.57
33	b	315	II0	C38-C36-C40	-2.36	119.61	122.92
24	A	802	CLA	CHD-C1D-ND	-2.36	122.28	124.45
24	c	604	CLA	C1-C2-C3	-2.36	121.96	126.04
24	f	603	CLA	CAA-C2A-C3A	-2.36	106.31	112.78
34	j	317	IHT	C40-C41-C38	-2.36	118.64	123.47
24	j	309	CLA	O2D-CGD-CBD	2.36	115.46	111.27
24	A	822	CLA	CHB-C4A-NA	2.36	127.78	124.51
24	A	852	CLA	CHD-C1D-ND	-2.36	122.28	124.45
33	b	318	II0	C31-C29-C25	-2.36	119.73	126.58
33	g	320	II0	C20-C14-C12	2.36	118.72	114.36
24	B	826	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
24	B	818	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
24	K	101	CLA	O2D-CGD-CBD	2.36	115.46	111.27
24	B	808	CLA	CBA-CAA-C2A	2.36	120.82	113.86
33	h	309	II0	C30-C32-C34	-2.36	120.69	125.34
33	e	614	II0	C38-C36-C40	-2.36	119.62	122.92
24	g	310	CLA	CHB-C4A-NA	2.36	127.77	124.51
33	b	314	II0	C05-C07-C11	2.36	113.53	110.30
24	A	824	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
33	a	317	II0	C15-C03-C09	-2.36	106.72	110.47
24	d	303	CLA	CHC-C1C-C2C	-2.36	120.21	126.72
33	f	616	II0	C32-C34-C36	-2.35	119.80	126.42
35	f	611	KC2	CAB-C3B-C4B	-2.35	119.21	124.90
33	i	614	II0	C32-C34-C36	-2.35	119.80	126.42
24	F	201	CLA	O2D-CGD-O1D	-2.35	119.24	123.84
24	a	306	CLA	CHB-C4A-NA	2.35	127.77	124.51
27	j	301	WVN	C23-C20-C13	-2.35	120.59	127.20
24	k	604	CLA	O2D-CGD-O1D	-2.35	119.24	123.84
24	h	304	CLA	CHB-C4A-NA	2.35	127.76	124.51
34	O	203	IHT	C05-C08-C12	2.35	113.52	110.30
33	h	311	II0	C31-C33-C35	-2.35	119.82	126.42
24	d	309	CLA	CHD-C1D-ND	-2.35	122.30	124.45
24	O	205	CLA	O2D-CGD-CBD	2.35	115.44	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
26	A	845	LHG	O8-C23-O10	-2.35	117.67	123.59
33	k	615	II0	C16-C03-C09	-2.35	106.74	110.47
24	L	207	CLA	O2D-CGD-O1D	-2.35	119.25	123.84
24	A	824	CLA	CHB-C4A-NA	2.35	127.76	124.51
24	e	605	CLA	O2A-CGA-O1A	-2.35	117.67	123.59
24	e	607	CLA	CHB-C4A-NA	2.35	127.75	124.51
33	b	315	II0	C11-C13-C09	-2.34	115.25	120.57
33	J	104	II0	C06-C08-C12	2.34	113.51	110.30
27	B	846	WVN	C24-C22-C19	2.34	121.77	118.08
33	a	314	II0	C28-C26-C24	2.34	121.48	116.84
24	c	601	CLA	O2A-CGA-O1A	-2.34	117.68	123.59
24	f	606	CLA	C1-C2-C3	-2.34	121.99	126.04
35	g	312	KC2	CAC-C3C-C4C	2.34	135.39	124.47
33	d	315	II0	C05-C03-C09	2.34	114.37	109.62
33	d	315	II0	C37-C35-C39	-2.34	119.64	122.92
24	b	308	CLA	O2D-CGD-O1D	-2.34	119.26	123.84
27	L	206	WVN	C02-C05-C09	-2.34	118.59	121.47
24	k	607	CLA	CHD-C1D-ND	-2.34	122.30	124.45
33	i	613	II0	C19-C13-C11	2.34	118.69	114.36
24	h	305	CLA	CHD-C1D-ND	-2.34	122.31	124.45
24	e	611	CLA	C7-C6-C5	-2.34	107.01	113.36
27	e	615	WVN	C07-C01-C02	2.34	113.09	109.55
24	g	307	CLA	O2D-CGD-CBD	2.34	115.42	111.27
24	h	302	CLA	C1-C2-C3	-2.34	122.97	126.75
24	h	305	CLA	CHB-C4A-NA	2.34	127.75	124.51
24	B	801	CLA	C1-C2-C3	-2.34	122.00	126.04
34	R	204	IHT	C30-C32-C33	-2.34	119.85	126.42
24	A	829	CLA	C11-C12-C13	-2.34	108.36	115.92
24	A	822	CLA	CMB-C2B-C3B	2.34	129.05	124.68
24	B	834	CLA	CMB-C2B-C3B	2.34	129.05	124.68
24	B	833	CLA	O2A-CGA-O1A	-2.34	117.70	123.59
33	j	316	II0	C06-C08-C12	2.33	113.50	110.30
33	a	314	II0	C38-C36-C34	2.33	121.75	118.08
27	B	849	WVN	C23-C20-C13	-2.33	120.65	127.20
24	B	813	CLA	O2D-CGD-CBD	2.33	115.41	111.27
24	g	305	CLA	CHD-C1D-ND	-2.33	122.31	124.45
35	i	616	KC2	CAB-C3B-C2B	2.33	136.28	128.60
24	g	308	CLA	O2D-CGD-CBD	2.33	115.41	111.27
24	c	602	CLA	C1-C2-C3	-2.33	122.98	126.75
33	c	613	II0	C38-C36-C34	2.33	121.75	118.08
27	j	301	WVN	C38-C34-C37	-2.33	119.66	122.92
24	A	832	CLA	C11-C10-C8	-2.33	108.40	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	831	CLA	C7-C6-C5	-2.33	107.04	113.36
24	A	852	CLA	C4D-C3D-CAD	-2.33	105.35	108.10
28	A	851	LMT	O1B-C4'-C3'	2.33	113.47	107.28
24	e	611	CLA	O2D-CGD-CBD	2.33	115.40	111.27
24	B	824	CLA	O2A-CGA-O1A	-2.33	117.72	123.59
24	A	810	CLA	CHD-C1D-ND	-2.32	122.32	124.45
33	g	317	II0	C29-C31-C33	-2.32	115.97	123.22
24	c	605	CLA	CHB-C4A-NA	2.32	127.72	124.51
32	J	106	LMG	O8-C28-O10	-2.32	117.73	123.59
35	k	612	KC2	O1D-CGD-CBD	-2.32	119.73	124.48
24	c	611	CLA	CAC-C3C-C4C	2.32	127.82	124.81
26	c	618	LHG	C6-C5-C4	-2.32	106.30	111.79
33	b	318	II0	C31-C33-C35	-2.32	119.90	126.42
24	d	304	CLA	O2D-CGD-O1D	-2.32	119.30	123.84
33	a	313	II0	C31-C29-C25	-2.32	119.85	126.58
24	A	816	CLA	O2A-C1-C2	-2.32	102.54	108.64
33	j	316	II0	C06-C04-C10	2.32	114.32	109.62
33	h	311	II0	C31-C29-C25	-2.32	119.85	126.58
27	A	846	WVN	C23-C20-C13	-2.32	120.69	127.20
35	g	312	KC2	CMB-C2B-C1B	2.32	128.80	124.71
24	b	303	CLA	C2D-C1D-ND	-2.32	108.40	110.10
33	k	615	II0	C06-C04-C10	2.32	114.32	109.62
24	A	852	CLA	CAC-C3C-C4C	2.32	127.82	124.81
34	c	615	IHT	C03-C11-C15	-2.32	119.36	122.63
24	A	832	CLA	O2A-CGA-O1A	-2.32	117.75	123.59
24	f	602	CLA	CHD-C1D-ND	-2.32	122.33	124.45
34	c	615	IHT	C31-C29-C26	-2.32	119.86	126.58
33	h	310	II0	C32-C30-C26	-2.31	119.86	126.58
35	i	609	KC2	O2D-CGD-O1D	-2.31	119.31	123.84
27	R	201	WVN	C07-C01-C02	2.31	113.05	109.55
24	j	307	CLA	O2D-CGD-CBD	2.31	115.38	111.27
33	c	616	II0	C15-C03-C09	-2.31	106.79	110.47
27	L	206	WVN	C21-C15-C14	2.31	118.06	113.62
34	j	317	IHT	C28-C26-C24	2.31	121.42	116.84
24	c	601	CLA	O2D-CGD-O1D	-2.31	119.32	123.84
24	e	606	CLA	O1D-CGD-CBD	2.31	129.22	124.48
33	j	316	II0	C12-C14-C10	-2.31	115.33	120.57
24	k	606	CLA	O2D-CGD-CBD	2.31	115.37	111.27
24	b	311	CLA	CHB-C4A-NA	2.31	127.71	124.51
24	B	827	CLA	CHB-C4A-NA	2.31	127.70	124.51
24	B	841	CLA	CAC-C3C-C4C	2.31	127.81	124.81
24	b	305	CLA	C4-C3-C5	2.31	119.15	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	852	CLA	C2D-C1D-ND	-2.31	108.40	110.10
33	e	614	II0	C19-C13-C09	-2.31	121.21	124.35
24	g	315	CLA	C4A-NA-C1A	2.31	107.74	106.71
24	B	805	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
24	a	306	CLA	C2D-C1D-ND	-2.30	108.41	110.10
24	g	315	CLA	CHB-C4A-NA	2.30	127.70	124.51
24	f	608	CLA	O2D-CGD-CBD	2.30	115.36	111.27
24	i	605	CLA	CHB-C4A-NA	2.30	127.70	124.51
24	L	203	CLA	O2D-CGD-CBD	2.30	115.36	111.27
24	A	804	CLA	C6-C7-C8	-2.30	108.48	115.92
24	a	307	CLA	C6-C7-C8	-2.30	108.48	115.92
25	B	842	PQN	C2M-C2-C1	2.30	120.09	116.27
24	j	306	CLA	C2D-C1D-ND	-2.30	108.41	110.10
24	k	602	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
34	b	316	IHT	C04-C02-C07	2.30	114.02	110.48
33	a	315	II0	C30-C32-C34	-2.30	116.04	123.22
24	c	608	CLA	CHD-C1D-ND	-2.30	122.34	124.45
35	g	313	KC2	CBD-CHA-C1A	2.30	133.17	128.88
24	g	304	CLA	C1-C2-C3	-2.30	122.07	126.04
24	a	302	CLA	C6-C5-C3	-2.30	110.86	114.62
33	f	615	II0	C31-C29-C25	-2.30	119.91	126.58
33	j	315	II0	C28-C26-C24	2.30	121.39	116.84
27	L	206	WVN	C23-C20-C13	-2.30	120.75	127.20
24	k	607	CLA	O2A-CGA-O1A	-2.30	117.79	123.59
24	j	310	CLA	O2A-CGA-O1A	-2.30	117.79	123.59
24	c	611	CLA	O2A-CGA-O1A	-2.30	117.57	123.30
24	e	611	CLA	CAA-C2A-C3A	-2.30	106.49	112.78
24	A	841	CLA	O2A-CGA-O1A	-2.30	117.80	123.59
24	g	306	CLA	CHB-C4A-NA	2.30	127.69	124.51
33	h	310	II0	C27-C25-C23	2.30	121.39	116.84
33	h	311	II0	C32-C34-C36	-2.30	119.97	126.42
24	i	605	CLA	O2A-CGA-O1A	-2.29	117.80	123.59
24	i	603	CLA	CHB-C4A-NA	2.29	127.68	124.51
26	a	301	LHG	O7-C7-O9	-2.29	118.16	123.70
24	A	813	CLA	CHB-C4A-NA	2.29	127.68	124.51
27	A	849	WVN	C30-C33-C34	-2.29	119.98	126.42
24	A	801	CLA	CHB-C4A-NA	2.29	127.68	124.51
24	a	303	CLA	CHD-C1D-ND	-2.29	122.35	124.45
24	A	842	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
24	B	830	CLA	CAC-C3C-C4C	2.29	127.78	124.81
24	A	836	CLA	CHB-C4A-NA	2.29	127.68	124.51
24	f	612	CLA	CHB-C4A-NA	2.29	127.68	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	814	CLA	CAA-C2A-C1A	-2.29	104.48	111.97
33	J	104	II0	C33-C35-C39	-2.29	115.43	118.94
27	B	846	WVN	C06-C13-C15	-2.29	119.39	122.61
24	k	614	CLA	CBC-CAC-C3C	2.29	118.73	112.43
34	g	319	IHT	C20-C15-C12	2.29	118.59	114.36
33	f	616	II0	C28-C26-C24	2.29	121.37	116.84
24	b	310	CLA	C1-C2-C3	-2.29	122.09	126.04
33	h	310	II0	C11-C13-C09	-2.29	115.38	120.57
24	c	606	CLA	CHB-C4A-NA	2.28	127.67	124.51
24	A	803	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
24	F	201	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
24	k	601	CLA	CMB-C2B-C1B	-2.28	124.96	128.46
33	g	318	II0	C05-C03-C09	2.28	114.24	109.62
24	c	606	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
35	g	314	KC2	CMB-C2B-C1B	2.28	128.73	124.71
24	b	310	CLA	O2D-CGD-CBD	2.28	115.32	111.27
24	f	606	CLA	CAC-C3C-C4C	2.28	127.77	124.81
35	k	611	KC2	CMB-C2B-C1B	2.28	128.73	124.71
35	f	611	KC2	CBD-CHA-C1A	2.28	133.13	128.88
24	B	834	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
35	k	612	KC2	O2D-CGD-CBD	2.28	115.32	111.27
33	f	615	II0	C38-C36-C34	2.28	121.67	118.08
24	d	304	CLA	CHD-C1D-ND	-2.28	122.36	124.45
33	k	621	II0	C41-C42-C40	-2.28	118.81	123.47
35	k	611	KC2	CAA-CBA-CGA	-2.28	115.56	127.26
26	f	620	LHG	O8-C23-C24	2.28	119.05	111.91
35	e	609	KC2	CBD-CHA-C1A	2.28	133.13	128.88
24	j	311	CLA	CMB-C2B-C1B	-2.28	124.97	128.46
26	f	619	LHG	O7-C7-O9	-2.28	118.20	123.70
24	i	603	CLA	O2D-CGD-CBD	2.27	115.31	111.27
24	h	303	CLA	CHA-C1A-NA	-2.27	121.19	126.40
24	i	606	CLA	O2A-CGA-O1A	-2.27	117.85	123.59
33	i	614	II0	C38-C36-C40	-2.27	119.74	122.92
24	b	313	CLA	O2D-CGD-O1D	-2.27	119.39	123.84
27	R	202	WVN	C21-C15-C14	2.27	117.98	113.62
24	d	305	CLA	O2D-CGD-O1D	-2.27	119.39	123.84
24	c	608	CLA	CHB-C4A-NA	2.27	127.65	124.51
27	A	846	WVN	C01-C02-C05	-2.27	107.34	111.42
27	B	847	WVN	C28-C30-C33	-2.27	116.13	123.22
34	f	617	IHT	C34-C35-C38	2.27	122.42	118.94
24	B	836	CLA	O1D-CGD-CBD	2.27	129.13	124.48
34	O	203	IHT	C36-C33-C37	-2.27	119.74	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	j	303	CLA	CHB-C4A-NA	2.27	127.65	124.51
27	e	615	WVN	C20-C13-C15	-2.27	115.97	121.46
33	f	616	II0	C32-C30-C26	-2.27	119.99	126.58
27	L	206	WVN	C21-C15-C13	-2.27	121.98	124.53
27	R	202	WVN	C30-C33-C34	-2.27	120.05	126.42
33	e	614	II0	C19-C13-C11	2.27	118.56	114.36
25	B	842	PQN	C12-C11-C3	-2.27	105.94	112.05
24	g	305	CLA	O2A-CGA-O1A	-2.27	117.87	123.59
24	e	601	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
33	g	318	II0	C27-C25-C23	2.27	121.33	116.84
27	j	301	WVN	C04-C09-C05	-2.27	122.68	124.85
33	h	309	II0	C05-C07-C11	2.27	113.41	110.30
24	e	601	CLA	C2A-C1A-CHA	2.27	127.82	123.86
24	f	607	CLA	O2D-CGD-CBD	2.26	115.29	111.27
27	J	102	WVN	C27-C25-C23	2.26	121.64	118.08
33	j	316	II0	C04-C10-C14	-2.26	119.44	122.63
26	B	802	LHG	C6-C5-C4	-2.26	106.44	111.79
24	c	612	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
24	A	811	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
34	a	316	IHT	C25-C23-C22	2.26	121.64	118.08
24	g	302	CLA	C2A-C1A-CHA	2.26	127.81	123.86
32	J	106	LMG	C8-O7-C10	-2.26	112.23	117.79
24	g	311	CLA	O2D-CGD-CBD	2.26	115.28	111.27
33	d	313	II0	C27-C25-C23	2.26	121.31	116.84
24	B	814	CLA	O2D-CGD-CBD	2.26	115.28	111.27
24	b	306	CLA	CAC-C3C-C4C	2.26	127.74	124.81
24	B	837	CLA	O2A-CGA-O1A	-2.26	117.90	123.59
24	f	608	CLA	O2A-CGA-O1A	-2.26	117.90	123.59
24	k	602	CLA	CAA-CBA-CGA	-2.26	106.66	113.25
24	A	801	CLA	CBA-CAA-C2A	-2.26	107.20	113.86
26	e	617	LHG	O7-C7-O9	-2.26	118.25	123.70
24	B	841	CLA	O2A-CGA-O1A	-2.26	117.90	123.59
24	B	836	CLA	O2A-CGA-O1A	-2.25	117.90	123.59
33	k	619	II0	C41-C42-C40	-2.25	118.86	123.47
33	g	317	II0	C38-C36-C34	2.25	121.63	118.08
34	c	615	IHT	C20-C15-C11	-2.25	121.29	124.35
24	i	608	CLA	CHB-C4A-NA	2.25	127.63	124.51
33	h	311	II0	C38-C36-C34	2.25	121.63	118.08
24	f	613	CLA	O2A-C1-C2	-2.25	102.71	108.64
26	A	844	LHG	O8-C23-O10	-2.25	117.91	123.59
33	e	614	II0	C38-C36-C34	2.25	121.62	118.08
24	c	604	CLA	O2D-CGD-O1D	-2.25	119.44	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	d	315	II0	C27-C25-C23	2.25	121.30	116.84
32	b	301	LMG	O1-C1-C2	2.25	111.82	108.30
35	f	611	KC2	CAA-CBA-CGA	-2.25	115.70	127.26
27	K	103	WVN	C01-C02-C11	-2.25	109.86	112.70
33	j	316	II0	C20-C14-C12	2.25	118.52	114.36
24	B	824	CLA	C1-C2-C3	-2.25	122.16	126.04
27	R	201	WVN	C35-C32-C36	-2.25	119.77	122.92
33	d	313	II0	C16-C03-C09	-2.25	106.90	110.47
24	A	852	CLA	C6-C7-C8	-2.25	108.66	115.92
24	d	302	CLA	C4A-NA-C1A	2.25	107.72	106.71
24	B	819	CLA	O2D-CGD-CBD	2.25	115.26	111.27
24	j	313	CLA	CHB-C4A-NA	2.25	127.62	124.51
33	a	313	II0	C42-C41-C39	-2.25	118.88	123.47
27	A	846	WVN	C29-C31-C32	-2.24	120.11	126.42
26	c	617	LHG	O7-C7-O9	-2.24	118.28	123.70
24	B	829	CLA	CHB-C4A-NA	2.24	127.61	124.51
24	h	305	CLA	C1-C2-C3	-2.24	122.16	126.04
33	f	616	II0	C38-C36-C40	-2.24	119.78	122.92
33	k	619	II0	C41-C39-C35	-2.24	124.11	127.31
33	f	614	II0	C03-C09-C13	-2.24	119.47	122.63
24	A	818	CLA	CHB-C4A-NA	2.24	127.61	124.51
24	A	836	CLA	C2A-C1A-CHA	2.24	127.78	123.86
24	A	823	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
24	c	609	CLA	C4A-NA-C1A	2.24	107.71	106.71
24	f	607	CLA	C1-O2A-CGA	2.24	122.32	116.44
32	b	301	LMG	O7-C10-O9	-2.24	118.29	123.70
24	b	305	CLA	O1D-CGD-CBD	2.24	129.06	124.48
34	k	618	IHT	C22-C18-C07	-2.24	120.92	127.20
24	L	202	CLA	CHB-C4A-NA	2.24	127.61	124.51
27	M	101	WVN	C40-C39-C36	-2.24	118.89	123.47
35	i	609	KC2	CAC-C3C-C4C	2.24	134.89	124.47
24	f	602	CLA	O2D-CGD-CBD	2.23	115.24	111.27
34	b	317	IHT	C03-C11-C15	-2.23	119.48	122.63
33	k	621	II0	C27-C25-C23	2.23	121.26	116.84
33	g	320	II0	C31-C29-C25	-2.23	120.09	126.58
24	A	829	CLA	CHD-C1D-ND	-2.23	122.40	124.45
24	K	102	CLA	CHD-C1D-ND	-2.23	122.40	124.45
24	A	804	CLA	O2D-CGD-CBD	2.23	115.23	111.27
27	K	103	WVN	C19-C22-C26	-2.23	115.52	118.94
33	c	613	II0	C27-C25-C23	2.23	121.26	116.84
33	g	316	II0	C15-C03-C09	-2.23	106.92	110.47
27	B	846	WVN	C21-C15-C14	2.23	117.90	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	820	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
27	R	201	WVN	C40-C39-C36	-2.23	118.91	123.47
24	g	303	CLA	C1-C2-C3	-2.23	123.15	126.75
24	A	835	CLA	C1-C2-C3	-2.23	122.19	126.04
26	g	321	LHG	O4-P-O5	2.23	123.25	112.24
24	A	852	CLA	CHB-C4A-NA	2.23	127.59	124.51
24	i	606	CLA	CHB-C4A-NA	2.23	127.59	124.51
24	A	822	CLA	O2D-CGD-CBD	2.23	115.22	111.27
33	d	313	II0	C31-C29-C25	-2.23	120.12	126.58
27	B	848	WVN	C38-C34-C37	-2.23	119.81	122.92
27	J	102	WVN	C23-C20-C13	-2.22	120.95	127.20
24	A	853	CLA	O2D-CGD-O1D	-2.22	119.49	123.84
27	h	308	WVN	C19-C22-C26	2.22	122.35	118.94
24	A	823	CLA	CHB-C4A-NA	2.22	127.59	124.51
24	d	305	CLA	C3C-C4C-NC	-2.22	108.08	110.57
24	B	819	CLA	CHB-C4A-NA	2.22	127.58	124.51
25	A	843	PQN	C16-C17-C18	-2.22	108.74	115.92
24	B	825	CLA	CHA-C1A-NA	-2.22	121.31	126.40
24	A	831	CLA	C1-C2-C3	-2.22	122.20	126.04
24	i	611	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
33	k	621	II0	C38-C36-C40	-2.22	119.81	122.92
35	g	313	KC2	CAB-C3B-C4B	-2.22	119.53	124.90
27	L	201	WVN	C28-C30-C33	-2.22	116.29	123.22
33	h	311	II0	C34-C36-C40	-2.22	115.53	118.94
33	c	614	II0	C31-C29-C25	-2.22	120.14	126.58
24	A	801	CLA	C1-C2-C3	-2.22	122.21	126.04
34	a	316	IHT	C36-C33-C32	2.22	121.57	118.08
24	A	856	CLA	CMA-C3A-C2A	-2.22	110.92	116.10
24	A	834	CLA	C1-C2-C3	-2.22	122.21	126.04
24	A	816	CLA	O2A-CGA-O1A	-2.22	118.00	123.59
24	g	304	CLA	O1D-CGD-CBD	2.22	129.02	124.48
24	A	811	CLA	CHB-C4A-NA	2.22	127.58	124.51
27	L	201	WVN	C29-C31-C32	-2.22	120.19	126.42
27	I	101	WVN	C21-C15-C14	2.22	117.87	113.62
24	L	204	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
32	L	208	LMG	C30-C29-C28	-2.22	105.56	113.62
24	B	813	CLA	O2A-CGA-O1A	-2.21	118.00	123.59
24	g	315	CLA	C1-C2-C3	-2.21	122.21	126.04
24	A	827	CLA	O2A-CGA-O1A	-2.21	118.00	123.59
24	d	312	CLA	CHA-C1A-NA	-2.21	121.33	126.40
24	A	808	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
24	f	607	CLA	C4A-NA-C1A	2.21	107.70	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	e	613	II0	C31-C29-C25	-2.21	120.16	126.58
33	c	613	II0	C42-C41-C39	-2.21	118.94	123.47
24	c	612	CLA	CHD-C1D-ND	-2.21	122.42	124.45
24	e	610	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
24	B	836	CLA	CHB-C4A-NA	2.21	127.57	124.51
24	A	822	CLA	C2D-C1D-ND	-2.21	108.47	110.10
35	d	311	KC2	CAB-C3B-C2B	2.21	135.89	128.60
24	L	203	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
24	c	604	CLA	CHB-C4A-NA	2.21	127.57	124.51
24	e	603	CLA	CHD-C1D-ND	-2.21	122.42	124.45
24	f	613	CLA	C1-O2A-CGA	2.21	122.24	116.44
27	M	101	WVN	C28-C30-C33	-2.21	116.32	123.22
35	i	616	KC2	CAA-CBA-CGA	-2.21	115.91	127.26
27	h	308	WVN	C35-C32-C36	-2.21	119.83	122.92
34	a	316	IHT	C31-C29-C26	-2.21	120.17	126.58
33	i	614	II0	C19-C13-C11	2.21	118.45	114.36
27	L	201	WVN	C27-C25-C28	-2.21	119.83	122.92
24	a	311	CLA	CMA-C3A-C4A	2.21	117.71	111.77
35	e	609	KC2	CGD-CBD-CAD	-2.21	103.58	110.73
34	k	618	IHT	C29-C31-C34	-2.21	116.33	123.22
24	i	610	CLA	CHB-C4A-NA	2.21	127.56	124.51
27	F	204	WVN	C40-C39-C36	2.21	128.00	123.47
24	B	839	CLA	CHD-C1D-ND	-2.21	122.43	124.45
24	B	834	CLA	CAC-C3C-C4C	2.21	127.67	124.81
24	B	813	CLA	CHB-C4A-NA	2.21	127.56	124.51
24	A	813	CLA	O2A-CGA-O1A	-2.21	117.80	123.30
33	g	320	II0	C04-C10-C14	-2.20	119.52	122.63
26	k	620	LHG	O8-C23-C24	2.20	118.82	111.91
24	b	309	CLA	CHB-C4A-NA	2.20	127.56	124.51
27	B	845	WVN	C02-C05-C09	-2.20	118.76	121.47
24	A	809	CLA	O1D-CGD-CBD	2.20	128.99	124.48
35	d	311	KC2	CAC-C3C-C2C	-2.20	121.35	128.60
35	e	609	KC2	O2D-CGD-CBD	2.20	115.18	111.27
24	A	818	CLA	CHD-C1D-ND	-2.20	122.43	124.45
24	B	815	CLA	CHD-C1D-ND	-2.20	122.43	124.45
24	g	309	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
33	e	614	II0	C32-C30-C26	-2.20	120.19	126.58
24	a	302	CLA	CBC-CAC-C3C	2.20	118.50	112.43
34	j	317	IHT	C31-C29-C26	-2.20	120.19	126.58
24	F	202	CLA	C6-C5-C3	-2.20	111.02	114.62
35	j	312	KC2	CAB-C3B-C4B	-2.20	119.59	124.90
33	f	616	II0	C42-C41-C39	-2.20	118.97	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	i	613	II0	C42-C41-C39	-2.20	118.97	123.47
32	L	208	LMG	O7-C10-O9	-2.20	118.39	123.70
27	j	301	WVN	C27-C25-C28	-2.20	119.84	122.92
33	i	613	II0	C28-C26-C24	2.20	121.19	116.84
24	A	839	CLA	C1-O2A-CGA	-2.20	110.68	116.44
24	B	832	CLA	O2D-CGD-CBD	2.20	115.17	111.27
33	e	616	II0	C29-C31-C33	-2.19	116.37	123.22
35	j	312	KC2	C3D-CAD-CBD	-2.19	104.72	107.61
24	B	825	CLA	CHB-C4A-NA	2.19	127.55	124.51
26	d	316	LHG	C5-O7-C7	-2.19	112.39	117.79
24	a	311	CLA	CMC-C2C-C3C	2.19	132.07	126.12
34	R	204	IHT	C03-C05-C08	-2.19	108.69	113.64
24	B	811	CLA	CMB-C2B-C3B	2.19	128.78	124.68
24	c	607	CLA	CHB-C4A-NA	2.19	127.54	124.51
24	A	842	CLA	C1-C2-C3	-2.19	122.25	126.04
24	O	205	CLA	C1-C2-C3	-2.19	122.25	126.04
27	A	848	WVN	C29-C31-C32	-2.19	120.26	126.42
24	B	839	CLA	CMB-C2B-C3B	2.19	128.78	124.68
34	k	618	IHT	C41-C38-C35	-2.19	124.19	127.31
24	A	853	CLA	CHD-C1D-ND	-2.19	122.44	124.45
35	c	610	KC2	CBD-CHA-C1A	2.19	132.96	128.88
33	g	318	II0	C38-C36-C34	2.19	121.53	118.08
33	k	619	II0	C06-C08-C12	2.19	113.30	110.30
24	c	611	CLA	C2A-C1A-CHA	2.19	127.69	123.86
32	O	204	LMG	O7-C10-O9	-2.19	118.41	123.70
33	O	202	II0	C18-C04-C10	-2.19	106.99	110.47
24	O	201	CLA	C11-C12-C13	-2.19	108.85	115.92
24	e	608	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
24	A	819	CLA	C2D-C1D-ND	-2.19	108.49	110.10
24	A	804	CLA	CHD-C1D-ND	-2.19	122.44	124.45
33	a	313	II0	C38-C36-C34	2.19	121.52	118.08
26	c	617	LHG	O8-C23-O10	-2.19	118.07	123.59
24	b	308	CLA	C1-C2-C3	-2.19	122.26	126.04
27	j	301	WVN	C29-C31-C32	-2.19	120.28	126.42
24	b	306	CLA	O2D-CGD-O1D	-2.19	119.56	123.84
33	f	616	II0	C29-C31-C33	-2.19	116.40	123.22
24	h	304	CLA	O2A-CGA-O1A	-2.19	118.08	123.59
33	h	310	II0	C12-C14-C10	-2.19	115.61	120.57
33	g	317	II0	C42-C41-C39	-2.19	119.00	123.47
35	i	609	KC2	O2D-CGD-CBD	2.18	115.15	111.27
33	e	612	II0	C15-C03-C09	-2.18	107.00	110.47
24	c	603	CLA	CHD-C1D-ND	-2.18	122.45	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	R	204	IHT	C28-C26-C24	2.18	121.16	116.84
33	O	202	II0	C04-C10-C14	-2.18	119.55	122.63
27	A	850	WVN	C08-C01-C07	-2.18	104.68	107.89
24	B	838	CLA	O2D-CGD-CBD	2.18	115.14	111.27
24	K	102	CLA	C2D-C1D-ND	-2.18	108.50	110.10
24	B	816	CLA	C3C-C4C-NC	-2.18	108.13	110.57
27	L	205	WVN	C40-C39-C36	-2.18	119.01	123.47
24	A	832	CLA	C7-C6-C5	-2.18	107.44	113.36
24	B	840	CLA	CBC-CAC-C3C	2.18	118.43	112.43
35	d	310	KC2	CAB-C3B-C4B	-2.18	119.64	124.90
26	d	316	LHG	O4-P-O5	2.18	122.99	112.24
24	f	612	CLA	C1D-ND-C4D	-2.17	104.79	106.33
24	k	602	CLA	CHB-C4A-NA	2.17	127.52	124.51
33	d	313	II0	C38-C36-C40	-2.17	119.88	122.92
30	B	843	DGD	O6D-C5D-C6D	2.17	111.05	106.67
24	B	808	CLA	C1-C2-C3	-2.17	122.28	126.04
26	A	844	LHG	C5-O7-C7	-2.17	112.44	117.79
24	A	832	CLA	CMC-C2C-C3C	2.17	132.02	126.12
24	A	835	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
24	b	309	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
30	B	843	DGD	O3G-C1D-C2D	2.17	111.69	108.30
34	b	317	IHT	C20-C15-C11	-2.17	121.40	124.35
24	h	302	CLA	CHB-C4A-NA	2.17	127.52	124.51
24	b	310	CLA	CED-O2D-CGD	2.17	120.85	115.94
33	e	613	II0	C29-C31-C33	-2.17	116.44	123.22
24	c	606	CLA	CHD-C1D-ND	-2.17	122.46	124.45
27	R	201	WVN	C06-C13-C15	-2.17	119.56	122.61
27	F	205	WVN	C28-C30-C33	2.17	129.99	123.22
27	J	101	WVN	C08-C01-C03	-2.17	104.56	109.03
35	g	314	KC2	CAB-C3B-C2B	2.17	135.75	128.60
24	B	823	CLA	O1D-CGD-CBD	2.17	128.92	124.48
24	A	819	CLA	CHD-C1D-ND	-2.17	122.46	124.45
27	A	849	WVN	C14-C15-C13	-2.17	119.58	122.73
24	b	310	CLA	CAA-CBA-CGA	-2.17	106.92	113.25
26	c	618	LHG	O7-C7-O9	-2.17	118.46	123.70
33	j	315	II0	C34-C36-C40	2.17	122.27	118.94
24	A	820	CLA	C16-C15-C13	-2.17	108.92	115.92
24	c	601	CLA	C1-C2-C3	-2.17	122.30	126.04
24	c	611	CLA	O1A-CGA-CBA	2.17	130.04	123.08
24	A	837	CLA	C6-C5-C3	-2.16	107.78	113.45
27	F	204	WVN	C07-C01-C02	2.16	112.82	109.55
24	A	816	CLA	O2D-CGD-CBD	2.16	115.11	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	A	808	CLA	C2A-C1A-CHA	2.16	127.64	123.86
26	b	320	LHG	O8-C23-C24	2.16	118.69	111.91
24	g	310	CLA	CHD-C1D-ND	-2.16	122.47	124.45
33	e	614	II0	C06-C08-C12	2.16	113.26	110.30
33	e	613	II0	C27-C25-C23	2.16	121.12	116.84
24	c	606	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
34	R	204	IHT	C19-C10-C07	-2.16	122.10	124.53
24	B	835	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
24	A	809	CLA	CHB-C4A-NA	2.16	127.50	124.51
24	K	101	CLA	CHA-C1A-NA	-2.16	121.45	126.40
33	J	104	II0	C03-C09-C13	-2.16	119.58	122.63
27	J	102	WVN	C40-C39-C36	-2.16	119.05	123.47
24	g	309	CLA	C2A-C1A-CHA	2.16	127.63	123.86
33	h	310	II0	C29-C31-C33	-2.16	116.48	123.22
33	j	316	II0	C03-C09-C13	-2.16	119.59	122.63
24	A	832	CLA	CMC-C2C-C1C	-2.16	121.75	125.04
33	j	316	II0	C32-C30-C26	-2.16	120.32	126.58
34	b	317	IHT	C41-C38-C35	-2.16	124.23	127.31
33	h	310	II0	C31-C33-C35	-2.16	120.36	126.42
26	i	615	LHG	O7-C7-O9	-2.16	118.49	123.70
33	f	614	II0	C06-C04-C10	2.16	113.99	109.62
24	A	833	CLA	CHB-C4A-NA	2.16	127.49	124.51
26	k	620	LHG	C5-O7-C7	-2.16	112.48	117.79
24	A	809	CLA	O2A-CGA-O1A	-2.15	118.15	123.59
24	B	841	CLA	CHA-C1A-NA	-2.15	121.46	126.40
27	J	101	WVN	C08-C01-C02	-2.15	106.28	109.55
35	j	312	KC2	CAA-C2A-C1A	2.15	134.64	124.75
27	A	847	WVN	C10-C06-C13	2.15	113.80	110.48
33	b	318	II0	C27-C25-C23	2.15	121.10	116.84
24	i	608	CLA	CHD-C1D-ND	-2.15	122.48	124.45
24	b	306	CLA	O1D-CGD-CBD	2.15	128.89	124.48
33	g	317	II0	C31-C33-C35	-2.15	120.37	126.42
34	R	204	IHT	C04-C02-C07	2.15	113.79	110.48
34	O	203	IHT	C39-C35-C38	-2.15	119.91	122.92
24	A	811	CLA	CMB-C2B-C3B	2.15	128.70	124.68
24	f	612	CLA	CAA-C2A-C1A	2.15	119.02	111.97
33	a	313	II0	C06-C04-C10	2.15	113.98	109.62
24	A	826	CLA	CMC-C2C-C3C	2.15	131.95	126.12
24	i	602	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
27	I	101	WVN	C30-C28-C25	-2.15	124.24	127.31
24	b	312	CLA	C4-C3-C5	2.15	118.89	115.27
26	b	320	LHG	C5-O7-C7	-2.15	112.50	117.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	850	WVN	C23-C20-C13	-2.15	121.17	127.20
34	R	204	IHT	C25-C23-C27	-2.15	119.91	122.92
27	A	847	WVN	C17-C06-C13	2.15	113.78	110.30
24	B	809	CLA	CHB-C4A-NA	2.15	127.48	124.51
33	c	613	II0	C19-C13-C11	2.15	118.33	114.36
27	J	101	WVN	C03-C04-C09	-2.15	108.43	112.00
35	d	311	KC2	CAA-CBA-CGA	-2.15	116.22	127.26
24	A	853	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
24	A	852	CLA	O2D-CGD-CBD	2.15	115.08	111.27
33	k	615	II0	C30-C32-C34	-2.15	116.52	123.22
27	B	849	WVN	C38-C34-C33	2.15	121.46	118.08
24	B	803	CLA	CHB-C4A-NA	2.15	127.48	124.51
24	b	312	CLA	O2A-C1-C2	-2.15	102.99	108.64
35	c	610	KC2	CAB-C3B-C4B	-2.15	119.71	124.90
33	k	619	II0	C05-C03-C09	2.15	113.97	109.62
33	g	320	II0	C31-C33-C35	-2.15	120.39	126.42
24	a	307	CLA	C2A-C1A-CHA	2.15	127.61	123.86
24	g	304	CLA	CAA-C2A-C3A	-2.15	106.90	112.78
24	A	853	CLA	CAA-CBA-CGA	-2.15	106.98	113.25
27	A	849	WVN	C40-C37-C34	-2.14	124.25	127.31
24	j	304	CLA	CHD-C1D-ND	-2.14	122.48	124.45
24	e	610	CLA	CHC-C1C-NC	2.14	127.45	124.20
24	B	803	CLA	CMB-C2B-C3B	2.14	128.69	124.68
24	b	307	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
24	e	607	CLA	O1D-CGD-CBD	2.14	128.87	124.48
24	B	812	CLA	C1-C2-C3	-2.14	122.34	126.04
35	i	616	KC2	C3D-CAD-CBD	-2.14	104.79	107.61
27	B	846	WVN	C08-C01-C02	-2.14	106.30	109.55
24	j	306	CLA	O2A-CGA-O1A	-2.14	117.97	123.30
33	g	318	II0	C17-C04-C10	-2.14	107.07	110.47
33	j	316	II0	C42-C41-C39	-2.14	119.09	123.47
24	e	610	CLA	CHA-C1A-NA	-2.14	121.50	126.40
26	k	620	LHG	O7-C7-O9	-2.14	118.54	123.70
35	g	312	KC2	C4D-C3D-CAD	2.14	111.26	107.81
27	J	102	WVN	C10-C06-C13	2.14	113.77	110.48
24	B	814	CLA	C4-C3-C5	2.14	118.86	115.27
24	B	808	CLA	CMB-C2B-C3B	2.14	128.67	124.68
24	b	303	CLA	CHD-C1D-ND	-2.13	122.49	124.45
27	J	101	WVN	C07-C01-C02	2.13	112.78	109.55
24	b	308	CLA	CMB-C2B-C3B	2.13	128.67	124.68
24	f	612	CLA	C1-C2-C3	-2.13	122.35	126.04
25	B	842	PQN	C26-C25-C23	-2.13	109.02	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	836	CLA	CMB-C2B-C3B	2.13	128.67	124.68
35	g	312	KC2	CGD-CBD-CAD	-2.13	103.83	110.73
24	B	820	CLA	C1-C2-C3	-2.13	122.36	126.04
30	B	843	DGD	C6E-C5E-C4E	-2.13	108.01	113.00
24	B	809	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
33	f	616	II0	C11-C13-C09	-2.13	115.74	120.57
27	B	848	WVN	C35-C32-C31	2.13	121.43	118.08
24	B	831	CLA	CHD-C1D-ND	-2.13	122.50	124.45
33	k	615	II0	C17-C04-C10	-2.13	107.09	110.47
24	A	842	CLA	C3A-C2A-C1A	2.13	104.52	101.34
34	a	316	IHT	C41-C40-C37	-2.13	119.12	123.47
33	j	316	II0	C32-C34-C36	-2.12	120.45	126.42
24	b	309	CLA	CBC-CAC-C3C	2.12	118.29	112.43
24	A	856	CLA	C2A-C1A-CHA	2.12	127.56	123.85
24	B	810	CLA	CHB-C4A-NA	2.12	127.45	124.51
33	h	311	II0	C05-C07-C11	2.12	113.21	110.30
27	I	101	WVN	C20-C23-C25	-2.12	123.03	126.23
24	b	308	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
24	A	836	CLA	C3A-C2A-C1A	2.12	104.52	101.34
24	k	610	CLA	CAA-CBA-CGA	-2.12	107.05	113.25
24	d	312	CLA	O1D-CGD-CBD	2.12	128.83	124.48
24	A	817	CLA	C6-C7-C8	-2.12	109.06	115.92
26	b	320	LHG	O7-C7-O9	-2.12	118.57	123.70
24	B	806	CLA	C7-C6-C5	-2.12	107.60	113.36
24	B	825	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
24	k	608	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
33	b	315	II0	C16-C03-C09	2.12	113.84	110.47
24	g	322	CLA	C11-C10-C8	-2.12	109.06	115.92
24	d	305	CLA	O1D-CGD-CBD	2.12	128.82	124.48
33	b	314	II0	C30-C32-C34	-2.12	116.60	123.22
24	B	810	CLA	CAA-CBA-CGA	-2.12	107.06	113.25
24	A	811	CLA	CAC-C3C-C4C	2.12	127.56	124.81
24	i	607	CLA	CBA-CAA-C2A	2.12	120.12	113.86
24	A	856	CLA	CHC-C1C-NC	2.12	127.42	124.20
24	e	603	CLA	C4A-NA-C1A	2.12	107.66	106.71
24	j	307	CLA	CBA-CAA-C2A	-2.12	107.61	113.86
24	B	801	CLA	CHB-C4A-NA	2.12	127.44	124.51
24	O	205	CLA	C5-C3-C2	-2.12	116.83	121.12
26	b	302	LHG	C9-C8-C7	-2.12	105.92	113.62
24	g	304	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
24	a	312	CLA	CED-O2D-CGD	2.12	120.73	115.94
27	h	308	WVN	C39-C40-C37	-2.12	119.14	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	a	303	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
27	B	847	WVN	C10-C06-C13	2.12	113.74	110.48
27	K	103	WVN	C24-C22-C19	2.12	121.41	118.08
24	f	605	CLA	O2A-CGA-O1A	-2.12	118.03	123.30
33	a	317	II0	C20-C14-C12	2.12	118.28	114.36
33	k	616	II0	C33-C35-C39	-2.12	115.69	118.94
24	O	205	CLA	CHA-C1A-NA	-2.12	121.55	126.40
24	b	312	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
27	j	301	WVN	C12-C14-C15	-2.11	110.30	114.08
24	J	105	CLA	CHA-C1A-NA	-2.11	121.56	126.40
24	B	816	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
27	j	301	WVN	C21-C15-C14	2.11	117.67	113.62
24	B	804	CLA	O1D-CGD-CBD	2.11	128.81	124.48
24	A	834	CLA	C3A-C2A-C1A	2.11	104.50	101.34
24	B	837	CLA	CHB-C4A-NA	2.11	127.43	124.51
26	b	320	LHG	C26-C25-C24	-2.11	105.60	113.19
24	B	831	CLA	CHB-C4A-NA	2.11	127.43	124.51
24	B	839	CLA	CHB-C4A-NA	2.11	127.43	124.51
26	A	844	LHG	O7-C7-O9	-2.11	118.60	123.70
24	A	837	CLA	C16-C15-C13	-2.11	109.10	115.92
33	a	314	II0	C31-C33-C35	-2.11	120.49	126.42
33	O	202	II0	C27-C25-C23	2.11	121.02	116.84
33	f	618	II0	C05-C03-C09	2.11	113.89	109.62
24	d	307	CLA	O2D-CGD-CBD	2.11	115.02	111.27
24	A	801	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
33	i	612	II0	C05-C07-C11	2.11	113.19	110.30
33	g	317	II0	C03-C09-C13	-2.11	119.66	122.63
24	A	811	CLA	CHD-C1D-ND	-2.11	122.52	124.45
24	h	304	CLA	C2D-C1D-ND	-2.11	108.55	110.10
24	a	304	CLA	O2D-CGD-CBD	2.11	115.02	111.27
24	O	205	CLA	C2A-C1A-CHA	2.11	127.55	123.86
24	b	307	CLA	C2D-C1D-ND	-2.11	108.55	110.10
24	A	856	CLA	O1D-CGD-CBD	2.11	128.79	124.48
24	k	610	CLA	C1-C2-C3	-2.11	122.40	126.04
33	f	616	II0	C12-C14-C10	-2.11	115.79	120.57
24	A	818	CLA	CMC-C2C-C3C	2.11	131.84	126.12
27	I	101	WVN	C12-C14-C15	-2.11	110.32	114.08
24	A	827	CLA	O1D-CGD-CBD	2.11	128.79	124.48
24	k	604	CLA	C1-C2-C3	-2.11	122.40	126.04
33	c	614	II0	C05-C03-C09	2.10	113.89	109.62
27	R	201	WVN	C16-C05-C09	-2.10	114.84	122.33
24	A	838	CLA	O2A-CGA-O1A	-2.10	118.28	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	B	803	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
27	M	101	WVN	C26-C29-C31	-2.10	116.65	123.22
24	L	204	CLA	C1-C2-C3	-2.10	123.35	126.75
24	k	614	CLA	C2C-C1C-NC	2.10	111.94	109.97
33	g	320	II0	C29-C31-C33	-2.10	116.66	123.22
24	e	604	CLA	O2D-CGD-CBD	2.10	115.00	111.27
24	A	819	CLA	C1C-C2C-C3C	-2.10	104.75	106.96
33	a	314	II0	C32-C34-C36	-2.10	120.51	126.42
24	L	204	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
24	a	307	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
24	d	301	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
33	d	313	II0	C41-C42-C40	-2.10	119.17	123.47
33	k	615	II0	C33-C35-C39	2.10	122.17	118.94
24	c	611	CLA	CMD-C2D-C3D	2.10	132.45	127.61
24	O	205	CLA	CHC-C1C-C2C	-2.10	120.91	126.72
24	k	607	CLA	O2D-CGD-CBD	2.10	115.00	111.27
27	L	205	WVN	C12-C14-C15	-2.10	110.33	114.08
34	b	317	IHT	C41-C40-C37	2.10	127.77	123.47
33	k	615	II0	C19-C13-C11	2.10	118.24	114.36
27	R	202	WVN	C14-C15-C13	-2.10	119.69	122.73
34	f	617	IHT	C36-C33-C32	-2.10	114.77	118.08
24	A	818	CLA	CMC-C2C-C1C	-2.10	121.85	125.04
24	a	307	CLA	O2D-CGD-CBD	2.10	114.99	111.27
24	A	826	CLA	C2A-C1A-CHA	2.10	127.52	123.86
24	a	312	CLA	O1D-CGD-CBD	2.09	128.77	124.48
24	b	310	CLA	C1D-ND-C4D	-2.09	104.85	106.33
24	c	609	CLA	CHB-C4A-NA	2.09	127.41	124.51
24	A	840	CLA	CHD-C1D-ND	-2.09	122.53	124.45
24	A	839	CLA	O2D-CGD-CBD	2.09	114.99	111.27
24	i	607	CLA	CAC-C3C-C4C	2.09	127.53	124.81
24	L	203	CLA	C11-C10-C8	-2.09	109.15	115.92
33	h	309	II0	C03-C09-C13	-2.09	119.68	122.63
24	B	838	CLA	CHD-C1D-ND	-2.09	122.53	124.45
24	f	604	CLA	C11-C12-C13	-2.09	109.16	115.92
33	a	315	II0	C17-C04-C10	-2.09	107.14	110.47
24	g	306	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
33	d	314	II0	C27-C25-C23	2.09	120.98	116.84
27	B	846	WVN	C28-C30-C33	-2.09	116.70	123.22
24	A	829	CLA	CHB-C4A-NA	2.09	127.40	124.51
24	B	824	CLA	O2D-CGD-CBD	2.09	114.98	111.27
27	h	308	WVN	C06-C13-C20	2.09	121.69	115.78
24	c	612	CLA	C2A-C1A-CHA	2.09	127.51	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	b	318	II0	C19-C13-C09	-2.09	121.51	124.35
24	b	306	CLA	C2A-C1A-CHA	2.09	127.51	123.86
24	j	304	CLA	O2D-CGD-CBD	2.09	114.97	111.27
34	a	316	IHT	C39-C35-C38	-2.09	120.00	122.92
24	k	605	CLA	O2A-CGA-O1A	-2.09	118.10	123.30
24	A	825	CLA	CAA-CBA-CGA	-2.09	107.16	113.25
33	g	317	II0	C06-C08-C12	2.09	113.16	110.30
26	J	107	LHG	O4-P-O6	2.08	117.42	107.75
24	B	829	CLA	CAA-CBA-CGA	-2.08	107.16	113.25
24	A	855	CLA	O2A-CGA-CBA	2.08	118.45	111.91
33	c	616	II0	C06-C04-C10	2.08	113.84	109.62
24	c	611	CLA	O2D-CGD-CBD	2.08	114.97	111.27
24	A	842	CLA	CAA-CBA-CGA	-2.08	107.17	113.25
24	B	814	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
28	F	203	LMT	C1'-O5'-C5'	-2.08	109.60	113.69
27	j	301	WVN	C14-C15-C13	-2.08	119.71	122.73
24	B	823	CLA	C2D-C1D-ND	-2.08	108.57	110.10
33	j	318	II0	C34-C36-C40	-2.08	115.75	118.94
24	d	302	CLA	CHD-C1D-ND	-2.08	122.54	124.45
24	b	313	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
33	c	616	II0	C05-C03-C09	2.08	113.83	109.62
24	B	816	CLA	CBA-CAA-C2A	-2.08	107.72	113.86
24	k	605	CLA	C2A-C1A-CHA	2.08	127.50	123.86
33	O	202	II0	C19-C13-C11	2.08	118.21	114.36
24	A	835	CLA	CHD-C1D-ND	-2.08	122.54	124.45
33	g	316	II0	C27-C25-C23	2.08	120.95	116.84
26	e	617	LHG	O4-P-O5	2.08	122.51	112.24
24	O	205	CLA	CAA-C2A-C1A	2.08	118.78	111.97
27	B	848	WVN	C20-C13-C15	-2.08	116.43	121.46
24	B	825	CLA	O2D-CGD-CBD	2.08	114.96	111.27
25	A	843	PQN	C26-C25-C23	-2.08	109.20	115.92
27	R	202	WVN	C17-C06-C13	-2.08	106.93	110.30
24	g	309	CLA	CAA-C2A-C3A	-2.08	107.09	112.78
24	A	841	CLA	CHB-C4A-NA	2.08	127.38	124.51
24	K	101	CLA	CAA-CBA-CGA	-2.08	107.19	113.25
32	L	208	LMG	O8-C28-O10	-2.08	118.35	123.59
24	B	818	CLA	CHB-C4A-NA	2.08	127.38	124.51
24	A	819	CLA	CHC-C1C-C2C	-2.08	120.98	126.72
24	B	828	CLA	O2D-CGD-CBD	2.08	114.96	111.27
33	c	616	II0	C31-C33-C35	-2.08	120.59	126.42
33	h	310	II0	O01-C07-C05	-2.08	105.68	109.80
33	a	317	II0	C19-C13-C11	2.07	118.20	114.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	i	612	II0	C38-C36-C34	2.07	121.35	118.08
33	k	615	II0	C32-C30-C26	-2.07	120.56	126.58
34	b	316	IHT	C25-C23-C27	-2.07	120.02	122.92
34	j	317	IHT	C02-C07-C18	2.07	121.64	115.78
24	F	201	CLA	CHB-C4A-NA	2.07	127.38	124.51
24	A	821	CLA	O2D-CGD-CBD	2.07	114.95	111.27
24	L	202	CLA	CHD-C1D-ND	-2.07	122.55	124.45
24	h	307	CLA	CHA-C1A-NA	-2.07	121.65	126.40
24	A	827	CLA	CHB-C4A-NA	2.07	127.38	124.51
24	A	819	CLA	CMC-C2C-C1C	-2.07	121.89	125.04
27	e	615	WVN	C06-C13-C15	-2.07	119.70	122.61
34	k	618	IHT	C30-C27-C23	-2.07	124.36	127.31
24	g	304	CLA	CHA-C1A-NA	-2.07	121.66	126.40
24	g	304	CLA	C2A-C1A-CHA	2.07	127.48	123.86
24	B	822	CLA	CHA-C1A-NA	-2.07	121.66	126.40
24	a	312	CLA	CGD-CBD-CAD	-2.07	104.03	110.73
24	c	605	CLA	CAA-CBA-CGA	-2.07	107.21	113.25
33	a	317	II0	C03-C09-C13	-2.07	119.71	122.63
24	A	831	CLA	O1D-CGD-CBD	2.07	128.72	124.48
24	j	313	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
33	b	314	II0	C38-C36-C40	-2.07	120.03	122.92
33	g	316	II0	C17-C04-C10	-2.07	107.18	110.47
24	f	612	CLA	O1D-CGD-CBD	2.07	128.71	124.48
24	B	840	CLA	C6-C7-C8	-2.07	109.24	115.92
24	k	604	CLA	C7-C6-C5	-2.07	107.75	113.36
28	F	203	LMT	O5'-C5'-C6'	2.07	111.57	106.44
24	F	201	CLA	CHD-C1D-ND	-2.07	122.56	124.45
24	k	601	CLA	C1-C2-C3	-2.07	122.47	126.04
24	O	205	CLA	C11-C12-C13	-2.06	109.25	115.92
33	k	617	II0	C12-C14-C10	-2.06	115.89	120.57
27	A	849	WVN	C12-C14-C15	-2.06	110.39	114.08
27	A	849	WVN	C07-C01-C02	-2.06	106.42	109.55
24	f	603	CLA	CHD-C1D-ND	-2.06	122.56	124.45
35	g	313	KC2	CAC-C3C-C4C	2.06	134.09	124.47
24	c	601	CLA	CAA-C2A-C3A	-2.06	107.13	112.78
33	i	613	II0	C31-C29-C25	-2.06	120.59	126.58
24	A	856	CLA	C3C-C4C-NC	-2.06	108.26	110.57
24	d	305	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
24	A	834	CLA	CAA-CBA-CGA	-2.06	107.23	113.25
24	h	306	CLA	CHD-C1D-ND	-2.06	122.56	124.45
24	c	606	CLA	CMB-C2B-C3B	2.06	128.54	124.68
24	b	311	CLA	O2A-CGA-O1A	-2.06	118.39	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	B	849	WVN	C07-C01-C02	2.06	112.67	109.55
24	O	205	CLA	C7-C6-C5	-2.06	107.76	113.36
24	A	855	CLA	CHD-C1D-ND	-2.06	122.56	124.45
33	e	612	II0	C06-C08-C12	2.06	113.12	110.30
24	j	310	CLA	CHD-C1D-ND	-2.06	122.56	124.45
33	e	612	II0	C18-C04-C10	-2.06	107.19	110.47
33	e	613	II0	C30-C32-C34	-2.06	116.79	123.22
27	B	845	WVN	C27-C25-C23	2.06	121.32	118.08
24	A	808	CLA	CHA-C1A-NA	-2.06	121.68	126.40
33	h	310	II0	C31-C29-C25	-2.06	120.60	126.58
27	B	848	WVN	C39-C36-C32	-2.06	124.37	127.31
27	J	102	WVN	C03-C04-C09	-2.06	108.58	112.00
24	b	310	CLA	CHB-C4A-NA	2.06	127.36	124.51
27	A	846	WVN	C38-C34-C33	2.06	121.32	118.08
24	B	839	CLA	O1D-CGD-CBD	2.06	128.69	124.48
24	A	817	CLA	C16-C15-C13	-2.06	109.28	115.92
33	h	310	II0	C32-C34-C36	-2.06	120.64	126.42
24	K	102	CLA	CHA-C1A-NA	-2.05	121.69	126.40
24	B	809	CLA	C1-C2-C3	-2.05	122.49	126.04
27	M	101	WVN	C12-C14-C15	-2.05	110.41	114.08
35	k	612	KC2	CBC-CAC-C3C	-2.05	117.41	127.62
24	a	309	CLA	CHD-C1D-ND	-2.05	122.57	124.45
33	g	316	II0	C30-C32-C34	-2.05	116.82	123.22
24	b	305	CLA	CAA-C2A-C3A	-2.05	107.16	112.78
26	c	618	LHG	O4-P-O5	2.05	122.38	112.24
33	f	615	II0	C05-C03-C09	2.05	113.78	109.62
24	f	606	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
24	d	304	CLA	C2A-C1A-CHA	2.05	127.44	123.86
24	I	102	CLA	O2D-CGD-CBD	2.05	114.91	111.27
24	b	311	CLA	O1D-CGD-CBD	2.05	128.67	124.48
24	B	831	CLA	O2A-CGA-O1A	-2.05	118.20	123.30
33	a	314	II0	C15-C03-C09	-2.05	107.21	110.47
26	A	845	LHG	C6-C5-C4	-2.05	106.95	111.79
24	j	306	CLA	O1D-CGD-CBD	2.05	128.67	124.48
24	j	308	CLA	O2D-CGD-CBD	2.05	114.90	111.27
27	A	848	WVN	C26-C29-C31	-2.05	116.83	123.22
33	e	616	II0	C18-C04-C10	-2.05	107.22	110.47
27	R	201	WVN	C03-C04-C09	-2.05	108.60	112.00
24	F	201	CLA	CHA-C1A-NA	-2.05	121.71	126.40
24	B	832	CLA	C1-O2A-CGA	2.05	121.81	116.44
27	j	301	WVN	C06-C13-C20	2.05	121.56	115.78
24	g	305	CLA	CMC-C2C-C3C	2.04	131.67	126.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	A	849	WVN	C17-C06-C13	2.04	113.61	110.30
24	b	309	CLA	CAC-C3C-C2C	2.04	131.03	127.53
24	B	830	CLA	C16-C15-C13	-2.04	109.31	115.92
24	A	809	CLA	CHD-C1D-ND	-2.04	122.58	124.45
35	k	613	KC2	CAA-CBA-CGA	-2.04	116.76	127.26
24	g	307	CLA	CHD-C1D-ND	-2.04	122.58	124.45
33	e	614	II0	C29-C31-C33	-2.04	116.84	123.22
24	B	833	CLA	O2D-CGD-CBD	2.04	114.90	111.27
26	b	302	LHG	O7-C7-O9	-2.04	118.77	123.70
33	e	614	II0	C27-C25-C23	2.04	120.88	116.84
24	d	303	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
24	g	302	CLA	CHA-C1A-NA	-2.04	121.72	126.40
35	k	611	KC2	O1D-CGD-CBD	-2.04	120.31	124.48
24	j	311	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
24	B	804	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
33	a	314	II0	C34-C36-C40	-2.04	115.81	118.94
33	f	615	II0	C32-C34-C36	-2.04	120.69	126.42
24	A	826	CLA	CHC-C1C-NC	2.04	127.30	124.20
24	i	611	CLA	CHD-C1D-ND	-2.04	122.58	124.45
24	A	819	CLA	C2C-C1C-NC	2.04	111.88	109.97
33	h	310	II0	C06-C04-C10	2.04	113.75	109.62
24	A	827	CLA	CAC-C3C-C4C	2.04	127.45	124.81
24	j	308	CLA	C4A-NA-C1A	2.04	107.62	106.71
24	b	307	CLA	C2A-C1A-CHA	2.03	127.42	123.86
24	B	803	CLA	C1-C2-C3	-2.03	122.53	126.04
24	j	303	CLA	CHD-C1D-ND	-2.03	122.58	124.45
24	B	820	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
24	B	841	CLA	C11-C12-C13	-2.03	109.35	115.92
34	c	615	IHT	C25-C23-C27	-2.03	120.08	122.92
24	F	202	CLA	C3A-C2A-C1A	2.03	104.38	101.34
33	j	318	II0	C42-C40-C36	-2.03	124.41	127.31
33	g	318	II0	C06-C08-C12	2.03	113.08	110.30
33	b	318	II0	C38-C36-C34	2.03	121.27	118.08
34	f	617	IHT	C19-C10-C09	2.03	117.51	113.62
24	A	813	CLA	CAA-C2A-C3A	2.03	118.33	112.78
33	k	617	II0	C37-C35-C39	-2.03	120.08	122.92
24	A	856	CLA	C2D-C1D-ND	-2.03	108.61	110.10
24	B	810	CLA	CAB-C3B-C4B	-2.03	125.35	128.46
33	h	309	II0	C05-C03-C09	2.03	113.73	109.62
26	g	321	LHG	C25-C24-C23	-2.03	106.25	113.62
27	A	848	WVN	C21-C15-C14	2.03	117.51	113.62
33	j	318	II0	C38-C36-C34	2.03	121.27	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	d	314	II0	C05-C07-C11	2.03	113.08	110.30
24	a	311	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
24	g	307	CLA	C1-C2-C3	-2.03	122.54	126.04
24	A	837	CLA	C1-O2A-CGA	2.02	121.75	116.44
33	e	612	II0	C27-C25-C23	2.02	120.85	116.84
24	f	606	CLA	CMB-C2B-C3B	2.02	128.46	124.68
24	h	303	CLA	O2D-CGD-CBD	2.02	114.86	111.27
24	h	307	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
30	B	843	DGD	C3B-C2B-C1B	-2.02	106.27	113.62
26	j	319	LHG	O7-C7-O9	-2.02	118.81	123.70
24	A	836	CLA	C11-C12-C13	-2.02	109.39	115.92
24	k	605	CLA	CMC-C2C-C1C	-2.02	121.96	125.04
24	b	312	CLA	O1D-CGD-CBD	2.02	128.62	124.48
33	i	613	II0	C31-C33-C35	-2.02	120.74	126.42
24	f	603	CLA	C3A-C2A-C1A	2.02	104.36	101.34
24	B	817	CLA	C1-C2-C3	-2.02	122.55	126.04
24	b	306	CLA	O2A-C1-C2	-2.02	103.33	108.64
24	k	603	CLA	CAA-CBA-CGA	-2.02	107.35	113.25
24	b	303	CLA	CBC-CAC-C3C	-2.02	106.86	112.43
24	b	311	CLA	CHD-C1D-ND	-2.02	122.60	124.45
24	A	839	CLA	CAA-CBA-CGA	-2.02	107.35	113.25
33	g	320	II0	C11-C13-C09	-2.02	115.99	120.57
24	g	306	CLA	CHD-C1D-ND	-2.02	122.60	124.45
33	k	615	II0	C15-C03-C09	-2.02	107.26	110.47
27	K	103	WVN	C29-C26-C22	-2.02	124.43	127.31
24	A	806	CLA	C16-C15-C13	-2.02	109.40	115.92
27	L	206	WVN	C16-C05-C09	-2.02	115.15	122.33
26	g	321	LHG	O7-C7-O9	-2.02	118.83	123.70
24	B	841	CLA	C1-C2-C3	-2.02	122.56	126.04
24	k	607	CLA	CMB-C2B-C3B	2.02	128.45	124.68
24	f	609	CLA	O1D-CGD-CBD	2.02	128.61	124.48
24	A	826	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
24	B	804	CLA	CHB-C4A-NA	2.02	127.30	124.51
24	d	302	CLA	O2A-CGA-O1A	-2.02	118.51	123.59
24	j	306	CLA	O1A-CGA-CBA	2.01	129.55	123.08
24	c	609	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
24	j	307	CLA	C2C-C1C-NC	2.01	111.86	109.97
24	A	824	CLA	CBA-CAA-C2A	2.01	119.80	113.86
34	k	618	IHT	C39-C35-C34	2.01	121.25	118.08
24	A	852	CLA	C1-C2-C3	-2.01	122.56	126.04
24	B	811	CLA	CHD-C1D-ND	-2.01	122.61	124.45
24	a	302	CLA	C1-C2-C3	-2.01	122.56	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	c	605	CLA	CHD-C1D-ND	-2.01	122.61	124.45
33	f	618	II0	C18-C04-C10	-2.01	107.27	110.47
27	J	102	WVN	C08-C01-C03	-2.01	104.89	109.03
27	B	847	WVN	C24-C22-C19	2.01	121.24	118.08
24	g	308	CLA	C4-C3-C5	2.01	118.65	115.27
24	f	610	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
33	g	316	II0	C31-C33-C35	-2.01	120.77	126.42
24	h	303	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
24	B	813	CLA	C1-C2-C3	-2.01	122.57	126.04
24	B	831	CLA	O1A-CGA-CBA	2.01	129.52	123.08
27	K	103	WVN	C07-C01-C02	2.00	112.58	109.55
33	c	613	II0	C30-C32-C34	-2.00	116.96	123.22
24	k	609	CLA	C1-C2-C3	-2.00	122.58	126.04
24	A	804	CLA	CAC-C3C-C4C	2.00	127.41	124.81
34	f	617	IHT	C05-C08-C12	2.00	113.04	110.30
33	g	320	II0	C05-C03-C09	2.00	113.68	109.62
25	A	843	PQN	C2M-C2-C3	-2.00	121.14	124.40
24	A	822	CLA	CHD-C1D-ND	-2.00	122.62	124.45

All (197) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
24	A	801	CLA	ND
24	A	802	CLA	ND
24	A	803	CLA	ND
24	A	804	CLA	ND
24	A	805	CLA	ND
24	A	807	CLA	ND
24	A	808	CLA	ND
24	A	809	CLA	ND
24	A	810	CLA	ND
24	A	811	CLA	ND
24	A	812	CLA	ND
24	A	813	CLA	ND
24	A	815	CLA	ND
24	A	816	CLA	ND
24	A	817	CLA	ND
24	A	819	CLA	ND
24	A	820	CLA	ND
24	A	821	CLA	ND
24	A	822	CLA	ND
24	A	823	CLA	ND

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Mol	Chain	Res	Type	Atom
24	A	824	CLA	ND
24	A	825	CLA	ND
24	A	826	CLA	ND
24	A	827	CLA	ND
24	A	828	CLA	ND
24	A	829	CLA	ND
24	A	830	CLA	ND
24	A	831	CLA	ND
24	A	833	CLA	ND
24	A	834	CLA	ND
24	A	835	CLA	ND
24	A	836	CLA	ND
24	A	837	CLA	ND
24	A	838	CLA	ND
24	A	839	CLA	ND
24	A	840	CLA	ND
24	A	841	CLA	ND
24	A	842	CLA	ND
24	A	852	CLA	ND
24	A	853	CLA	ND
24	A	855	CLA	ND
24	A	856	CLA	ND
24	B	801	CLA	ND
24	B	803	CLA	ND
24	B	804	CLA	ND
24	B	805	CLA	ND
24	B	806	CLA	ND
24	B	807	CLA	ND
24	B	808	CLA	ND
24	B	809	CLA	ND
24	B	810	CLA	ND
24	B	811	CLA	ND
24	B	812	CLA	ND
24	B	813	CLA	ND
24	B	814	CLA	ND
24	B	815	CLA	ND
24	B	816	CLA	ND
24	B	818	CLA	ND
24	B	821	CLA	ND
24	B	822	CLA	ND
24	B	823	CLA	ND
24	B	824	CLA	ND

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Mol	Chain	Res	Type	Atom
24	B	825	CLA	ND
24	B	826	CLA	ND
24	B	827	CLA	ND
24	B	829	CLA	ND
24	B	830	CLA	ND
24	B	831	CLA	ND
24	B	832	CLA	ND
24	B	833	CLA	ND
24	B	834	CLA	ND
24	B	835	CLA	ND
24	B	836	CLA	ND
24	B	837	CLA	ND
24	B	838	CLA	ND
24	B	839	CLA	ND
24	F	201	CLA	ND
24	F	202	CLA	ND
24	I	102	CLA	ND
24	J	103	CLA	ND
24	J	105	CLA	ND
24	L	202	CLA	ND
24	L	203	CLA	ND
24	L	204	CLA	ND
24	L	207	CLA	ND
24	O	201	CLA	ND
24	O	205	CLA	ND
24	K	101	CLA	ND
24	K	102	CLA	ND
24	c	601	CLA	ND
24	c	602	CLA	ND
24	c	603	CLA	ND
24	c	604	CLA	ND
24	c	605	CLA	ND
24	c	607	CLA	ND
24	c	608	CLA	ND
24	c	609	CLA	ND
24	c	611	CLA	ND
24	c	612	CLA	ND
24	a	302	CLA	ND
24	a	303	CLA	ND
24	a	304	CLA	ND
24	a	305	CLA	ND
24	a	306	CLA	ND

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Mol	Chain	Res	Type	Atom
24	a	307	CLA	ND
24	a	308	CLA	ND
24	a	309	CLA	ND
24	a	310	CLA	ND
24	a	311	CLA	ND
24	a	312	CLA	ND
24	b	303	CLA	ND
24	b	304	CLA	ND
24	b	305	CLA	ND
24	b	307	CLA	ND
24	b	308	CLA	ND
24	b	309	CLA	ND
24	b	310	CLA	ND
24	b	311	CLA	ND
24	b	312	CLA	ND
24	b	313	CLA	ND
24	h	301	CLA	ND
24	h	302	CLA	ND
24	h	303	CLA	ND
24	h	304	CLA	ND
24	h	305	CLA	ND
24	h	306	CLA	ND
24	h	307	CLA	ND
24	h	312	CLA	ND
24	e	601	CLA	ND
24	e	602	CLA	ND
24	e	603	CLA	ND
24	e	604	CLA	ND
24	e	605	CLA	ND
24	e	606	CLA	ND
24	e	607	CLA	ND
24	e	608	CLA	ND
24	e	611	CLA	ND
24	k	601	CLA	ND
24	k	602	CLA	ND
24	k	603	CLA	ND
24	k	604	CLA	ND
24	k	605	CLA	ND
24	k	607	CLA	ND
24	k	608	CLA	ND
24	k	609	CLA	ND
24	k	610	CLA	ND

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Mol	Chain	Res	Type	Atom
24	f	601	CLA	ND
24	f	602	CLA	ND
24	f	603	CLA	ND
24	f	607	CLA	ND
24	f	608	CLA	ND
24	f	609	CLA	ND
24	f	610	CLA	ND
24	f	612	CLA	ND
24	f	613	CLA	ND
24	i	601	CLA	ND
24	i	602	CLA	ND
24	i	603	CLA	ND
24	i	604	CLA	ND
24	i	605	CLA	ND
24	i	606	CLA	ND
24	i	607	CLA	ND
24	i	608	CLA	ND
24	i	610	CLA	ND
24	i	611	CLA	ND
24	j	302	CLA	ND
24	j	303	CLA	ND
24	j	304	CLA	ND
24	j	306	CLA	ND
24	j	307	CLA	ND
24	j	308	CLA	ND
24	j	309	CLA	ND
24	j	310	CLA	ND
24	j	311	CLA	ND
24	j	313	CLA	ND
24	j	314	CLA	ND
24	d	301	CLA	ND
24	d	302	CLA	ND
24	d	303	CLA	ND
24	d	304	CLA	ND
24	d	306	CLA	ND
24	d	307	CLA	ND
24	d	308	CLA	ND
24	d	309	CLA	ND
24	g	302	CLA	ND
24	g	303	CLA	ND
24	g	304	CLA	ND
24	g	305	CLA	ND

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Mol	Chain	Res	Type	Atom
24	g	306	CLA	ND
24	g	307	CLA	ND
24	g	308	CLA	ND
24	g	309	CLA	ND
24	g	310	CLA	ND
24	g	311	CLA	ND
24	g	315	CLA	ND
24	g	322	CLA	ND
24	R	203	CLA	ND

All (2931) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
24	A	801	CLA	CBD-CGD-O2D-CED
24	A	802	CLA	C1A-C2A-CAA-CBA
24	A	802	CLA	CBA-CGA-O2A-C1
24	A	802	CLA	O1A-CGA-O2A-C1
24	A	802	CLA	C11-C10-C8-C9
24	A	803	CLA	C1A-C2A-CAA-CBA
24	A	803	CLA	C3A-C2A-CAA-CBA
24	A	804	CLA	C3A-C2A-CAA-CBA
24	A	804	CLA	CHA-CBD-CGD-O1D
24	A	804	CLA	CHA-CBD-CGD-O2D
24	A	805	CLA	C1A-C2A-CAA-CBA
24	A	810	CLA	C1A-C2A-CAA-CBA
24	A	810	CLA	C3A-C2A-CAA-CBA
24	A	810	CLA	C11-C10-C8-C7
24	A	811	CLA	C4-C3-C5-C6
24	A	813	CLA	C1A-C2A-CAA-CBA
24	A	813	CLA	C3A-C2A-CAA-CBA
24	A	813	CLA	CHA-CBD-CGD-O1D
24	A	815	CLA	CHA-CBD-CGD-O1D
24	A	815	CLA	CBD-CGD-O2D-CED
24	A	816	CLA	C1A-C2A-CAA-CBA
24	A	816	CLA	CHA-CBD-CGD-O1D
24	A	816	CLA	CHA-CBD-CGD-O2D
24	A	817	CLA	C1A-C2A-CAA-CBA
24	A	817	CLA	C3A-C2A-CAA-CBA
24	A	818	CLA	C3A-C2A-CAA-CBA
24	A	818	CLA	CHA-CBD-CGD-O1D
24	A	818	CLA	CHA-CBD-CGD-O2D
24	A	823	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
24	A	823	CLA	CHA-CBD-CGD-O2D
24	A	827	CLA	C11-C12-C13-C14
24	A	829	CLA	CHA-CBD-CGD-O1D
24	A	829	CLA	CHA-CBD-CGD-O2D
24	A	829	CLA	C2-C3-C5-C6
24	A	829	CLA	C4-C3-C5-C6
24	A	836	CLA	CHA-CBD-CGD-O1D
24	A	836	CLA	CHA-CBD-CGD-O2D
24	A	837	CLA	C3A-C2A-CAA-CBA
24	A	838	CLA	C1A-C2A-CAA-CBA
24	A	838	CLA	C3A-C2A-CAA-CBA
24	A	838	CLA	C4-C3-C5-C6
24	A	839	CLA	CHA-CBD-CGD-O1D
24	A	839	CLA	CHA-CBD-CGD-O2D
24	A	840	CLA	C2-C3-C5-C6
24	A	840	CLA	C4-C3-C5-C6
24	A	842	CLA	C1A-C2A-CAA-CBA
24	A	842	CLA	C2A-CAA-CBA-CGA
24	A	855	CLA	CBA-CGA-O2A-C1
24	A	855	CLA	O1A-CGA-O2A-C1
24	A	855	CLA	CHA-CBD-CGD-O1D
24	A	856	CLA	CHA-CBD-CGD-O1D
24	A	856	CLA	CHA-CBD-CGD-O2D
24	B	805	CLA	C3A-C2A-CAA-CBA
24	B	808	CLA	C14-C13-C15-C16
24	B	809	CLA	C2A-CAA-CBA-CGA
24	B	815	CLA	C1A-C2A-CAA-CBA
24	B	817	CLA	C3A-C2A-CAA-CBA
24	B	819	CLA	C1A-C2A-CAA-CBA
24	B	819	CLA	C3A-C2A-CAA-CBA
24	B	826	CLA	C1A-C2A-CAA-CBA
24	B	826	CLA	C3A-C2A-CAA-CBA
24	B	827	CLA	C1A-C2A-CAA-CBA
24	B	827	CLA	C3A-C2A-CAA-CBA
24	B	831	CLA	C1A-C2A-CAA-CBA
24	B	832	CLA	C1A-C2A-CAA-CBA
24	B	839	CLA	C1A-C2A-CAA-CBA
24	B	840	CLA	C1A-C2A-CAA-CBA
24	F	202	CLA	C1A-C2A-CAA-CBA
24	F	202	CLA	C3A-C2A-CAA-CBA
24	J	103	CLA	C1A-C2A-CAA-CBA
24	L	202	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	L	202	CLA	C3A-C2A-CAA-CBA
24	L	204	CLA	C1A-C2A-CAA-CBA
24	L	204	CLA	C3A-C2A-CAA-CBA
24	L	207	CLA	C2-C3-C5-C6
24	L	207	CLA	C4-C3-C5-C6
24	O	201	CLA	C1A-C2A-CAA-CBA
24	O	201	CLA	CHA-CBD-CGD-O1D
24	O	201	CLA	CHA-CBD-CGD-O2D
24	O	201	CLA	CAD-CBD-CGD-O1D
24	O	201	CLA	C11-C10-C8-C9
24	O	205	CLA	C1A-C2A-CAA-CBA
24	K	102	CLA	C3A-C2A-CAA-CBA
24	K	102	CLA	CHA-CBD-CGD-O1D
24	K	102	CLA	CHA-CBD-CGD-O2D
24	K	102	CLA	CBD-CGD-O2D-CED
24	c	601	CLA	C1A-C2A-CAA-CBA
24	c	601	CLA	C2-C3-C5-C6
24	c	602	CLA	C3A-C2A-CAA-CBA
24	c	602	CLA	CHA-CBD-CGD-O1D
24	c	602	CLA	CHA-CBD-CGD-O2D
24	c	605	CLA	C2-C3-C5-C6
24	c	605	CLA	C4-C3-C5-C6
24	c	606	CLA	C3A-C2A-CAA-CBA
24	c	606	CLA	CBD-CGD-O2D-CED
24	c	608	CLA	C3A-C2A-CAA-CBA
24	c	608	CLA	CBD-CGD-O2D-CED
24	c	612	CLA	C3A-C2A-CAA-CBA
24	c	612	CLA	CBD-CGD-O2D-CED
24	a	302	CLA	C1A-C2A-CAA-CBA
24	a	302	CLA	C3A-C2A-CAA-CBA
24	a	303	CLA	C1A-C2A-CAA-CBA
24	a	303	CLA	C3A-C2A-CAA-CBA
24	a	307	CLA	C14-C13-C15-C16
24	a	310	CLA	C6-C7-C8-C9
24	a	311	CLA	C3A-C2A-CAA-CBA
24	b	304	CLA	C3A-C2A-CAA-CBA
24	b	304	CLA	CHA-CBD-CGD-O1D
24	b	304	CLA	CHA-CBD-CGD-O2D
24	b	305	CLA	C2-C3-C5-C6
24	b	305	CLA	C4-C3-C5-C6
24	b	306	CLA	CHA-CBD-CGD-O1D
24	b	306	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
24	b	308	CLA	CBD-CGD-O2D-CED
24	b	310	CLA	C2-C3-C5-C6
24	b	310	CLA	C4-C3-C5-C6
24	b	312	CLA	CBD-CGD-O2D-CED
24	h	301	CLA	CBD-CGD-O2D-CED
24	h	303	CLA	C1A-C2A-CAA-CBA
24	h	303	CLA	C3A-C2A-CAA-CBA
24	h	304	CLA	C1A-C2A-CAA-CBA
24	h	304	CLA	C3A-C2A-CAA-CBA
24	h	307	CLA	CHA-CBD-CGD-O1D
24	h	307	CLA	CHA-CBD-CGD-O2D
24	h	307	CLA	CAD-CBD-CGD-O1D
24	e	601	CLA	C1A-C2A-CAA-CBA
24	e	601	CLA	C3A-C2A-CAA-CBA
24	e	602	CLA	C1A-C2A-CAA-CBA
24	e	602	CLA	C3A-C2A-CAA-CBA
24	e	603	CLA	CBD-CGD-O2D-CED
24	e	605	CLA	CHA-CBD-CGD-O1D
24	e	605	CLA	CHA-CBD-CGD-O2D
24	e	605	CLA	CBD-CGD-O2D-CED
24	e	608	CLA	C1A-C2A-CAA-CBA
24	e	608	CLA	CHA-CBD-CGD-O1D
24	e	608	CLA	CHA-CBD-CGD-O2D
24	e	611	CLA	CBD-CGD-O2D-CED
24	k	601	CLA	C1A-C2A-CAA-CBA
24	k	601	CLA	C3A-C2A-CAA-CBA
24	k	602	CLA	C1A-C2A-CAA-CBA
24	k	602	CLA	C3A-C2A-CAA-CBA
24	k	606	CLA	CBD-CGD-O2D-CED
24	k	607	CLA	CBA-CGA-O2A-C1
24	k	607	CLA	CBD-CGD-O2D-CED
24	k	608	CLA	C1A-C2A-CAA-CBA
24	k	608	CLA	C3A-C2A-CAA-CBA
24	k	609	CLA	CBD-CGD-O2D-CED
24	k	609	CLA	O1D-CGD-O2D-CED
24	k	610	CLA	C1A-C2A-CAA-CBA
24	k	610	CLA	C3A-C2A-CAA-CBA
24	k	614	CLA	C1A-C2A-CAA-CBA
24	k	614	CLA	CBD-CGD-O2D-CED
24	f	601	CLA	CBA-CGA-O2A-C1
24	f	601	CLA	O1A-CGA-O2A-C1
24	f	602	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	f	604	CLA	CHA-CBD-CGD-O1D
24	f	604	CLA	CHA-CBD-CGD-O2D
24	f	604	CLA	CAD-CBD-CGD-O1D
24	f	605	CLA	C3A-C2A-CAA-CBA
24	f	605	CLA	CBD-CGD-O2D-CED
24	f	607	CLA	C1A-C2A-CAA-CBA
24	f	607	CLA	C3A-C2A-CAA-CBA
24	f	607	CLA	C2A-CAA-CBA-CGA
24	f	609	CLA	C11-C10-C8-C9
24	f	610	CLA	CBD-CGD-O2D-CED
24	f	610	CLA	C4-C3-C5-C6
24	i	601	CLA	C3A-C2A-CAA-CBA
24	i	602	CLA	C3A-C2A-CAA-CBA
24	i	602	CLA	CHA-CBD-CGD-O1D
24	i	602	CLA	CHA-CBD-CGD-O2D
24	i	604	CLA	CHA-CBD-CGD-O1D
24	i	604	CLA	CHA-CBD-CGD-O2D
24	i	604	CLA	C6-C7-C8-C9
24	i	604	CLA	C11-C12-C13-C14
24	i	606	CLA	C11-C10-C8-C9
24	i	608	CLA	C1A-C2A-CAA-CBA
24	i	608	CLA	CBD-CGD-O2D-CED
24	i	608	CLA	O1D-CGD-O2D-CED
24	i	610	CLA	C3A-C2A-CAA-CBA
24	i	611	CLA	C1A-C2A-CAA-CBA
24	i	611	CLA	C2-C3-C5-C6
24	i	611	CLA	C4-C3-C5-C6
24	j	305	CLA	C11-C10-C8-C9
24	j	307	CLA	CHA-CBD-CGD-O1D
24	j	307	CLA	CHA-CBD-CGD-O2D
24	j	310	CLA	CHA-CBD-CGD-O1D
24	j	311	CLA	C1A-C2A-CAA-CBA
24	j	311	CLA	C3A-C2A-CAA-CBA
24	d	301	CLA	C3A-C2A-CAA-CBA
24	d	303	CLA	CBD-CGD-O2D-CED
24	d	304	CLA	C1A-C2A-CAA-CBA
24	d	304	CLA	C3A-C2A-CAA-CBA
24	d	304	CLA	CHA-CBD-CGD-O1D
24	d	304	CLA	CHA-CBD-CGD-O2D
24	d	306	CLA	C1A-C2A-CAA-CBA
24	d	306	CLA	C3A-C2A-CAA-CBA
24	d	307	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
24	g	303	CLA	C3A-C2A-CAA-CBA
24	g	304	CLA	CBD-CGD-O2D-CED
24	g	305	CLA	CHA-CBD-CGD-O1D
24	g	305	CLA	CHA-CBD-CGD-O2D
24	g	305	CLA	CAD-CBD-CGD-O1D
24	g	308	CLA	C1A-C2A-CAA-CBA
24	g	308	CLA	C6-C7-C8-C9
24	g	310	CLA	C1A-C2A-CAA-CBA
24	g	310	CLA	C3A-C2A-CAA-CBA
24	g	310	CLA	CBA-CGA-O2A-C1
24	g	310	CLA	O1A-CGA-O2A-C1
24	g	311	CLA	C1A-C2A-CAA-CBA
24	g	311	CLA	C3A-C2A-CAA-CBA
24	g	315	CLA	C1A-C2A-CAA-CBA
24	g	315	CLA	C3A-C2A-CAA-CBA
24	g	315	CLA	CBD-CGD-O2D-CED
24	g	322	CLA	CHA-CBD-CGD-O1D
24	g	322	CLA	CHA-CBD-CGD-O2D
26	A	844	LHG	C4-O6-P-O3
26	A	845	LHG	O1-C1-C2-C3
26	A	845	LHG	C3-O3-P-O5
26	B	802	LHG	C3-O3-P-O5
26	B	802	LHG	C4-O6-P-O4
26	B	802	LHG	C4-O6-P-O5
26	B	802	LHG	C8-C7-O7-C5
26	J	107	LHG	C3-O3-P-O4
26	c	617	LHG	C4-O6-P-O4
26	c	617	LHG	C4-O6-P-O5
26	c	617	LHG	O9-C7-O7-C5
26	c	617	LHG	C8-C7-O7-C5
26	a	301	LHG	O9-C7-O7-C5
26	b	302	LHG	C4-O6-P-O3
26	b	302	LHG	C4-O6-P-O4
26	b	302	LHG	C4-O6-P-O5
26	b	320	LHG	C3-O3-P-O4
26	b	320	LHG	C3-O3-P-O5
26	b	320	LHG	C3-O3-P-O6
26	b	320	LHG	C8-C7-O7-C5
26	e	617	LHG	C3-O3-P-O4
26	e	617	LHG	C4-O6-P-O5
26	e	617	LHG	O9-C7-O7-C5
26	e	617	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
26	e	617	LHG	O10-C23-O8-C6
26	e	617	LHG	C24-C23-O8-C6
26	k	620	LHG	C3-O3-P-O5
26	k	620	LHG	O9-C7-O7-C5
26	f	619	LHG	O1-C1-C2-C3
26	f	619	LHG	C3-O3-P-O4
26	f	619	LHG	C3-O3-P-O5
26	f	619	LHG	C3-O3-P-O6
26	f	619	LHG	C4-O6-P-O4
26	f	619	LHG	O9-C7-O7-C5
26	f	619	LHG	C8-C7-O7-C5
26	f	620	LHG	C3-O3-P-O4
26	f	620	LHG	C3-O3-P-O5
26	f	620	LHG	C4-O6-P-O4
26	f	620	LHG	O9-C7-O7-C5
26	i	615	LHG	C3-O3-P-O5
26	i	615	LHG	C3-O3-P-O6
26	i	615	LHG	C8-C7-O7-C5
26	j	319	LHG	C4-O6-P-O4
26	d	316	LHG	C3-O3-P-O4
26	d	316	LHG	C3-O3-P-O5
26	g	321	LHG	C3-O3-P-O4
26	g	321	LHG	C4-O6-P-O4
26	g	321	LHG	O9-C7-O7-C5
26	g	321	LHG	C8-C7-O7-C5
27	A	846	WVN	C01-C02-C11-C19
27	A	847	WVN	C20-C23-C25-C27
27	A	847	WVN	C20-C23-C25-C28
27	A	848	WVN	C06-C13-C20-C23
27	A	848	WVN	C15-C13-C20-C23
27	A	848	WVN	C20-C23-C25-C27
27	A	848	WVN	C20-C23-C25-C28
27	A	849	WVN	C06-C13-C20-C23
27	A	849	WVN	C15-C13-C20-C23
27	A	849	WVN	C30-C33-C34-C37
27	A	849	WVN	C30-C33-C34-C38
27	A	850	WVN	C11-C19-C22-C24
27	A	850	WVN	C11-C19-C22-C26
27	A	850	WVN	C29-C31-C32-C35
27	A	850	WVN	C29-C31-C32-C36
27	A	850	WVN	C30-C33-C34-C38
27	B	845	WVN	C30-C33-C34-C37

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Mol	Chain	Res	Type	Atoms
27	B	845	WVN	C30-C33-C34-C38
27	B	847	WVN	C15-C13-C20-C23
27	B	847	WVN	C20-C23-C25-C27
27	B	847	WVN	C20-C23-C25-C28
27	B	847	WVN	C30-C33-C34-C38
27	B	848	WVN	C15-C13-C20-C23
27	B	848	WVN	C20-C23-C25-C27
27	B	848	WVN	C20-C23-C25-C28
27	B	848	WVN	C30-C33-C34-C38
27	B	849	WVN	C11-C19-C22-C24
27	B	849	WVN	C11-C19-C22-C26
27	B	849	WVN	C20-C23-C25-C27
27	B	849	WVN	C20-C23-C25-C28
27	B	849	WVN	C30-C33-C34-C37
27	B	849	WVN	C30-C33-C34-C38
27	F	204	WVN	C11-C19-C22-C24
27	F	204	WVN	C11-C19-C22-C26
27	F	204	WVN	C22-C26-C29-C31
27	F	204	WVN	C29-C31-C32-C35
27	F	205	WVN	C05-C02-C11-C19
27	F	205	WVN	C06-C13-C20-C23
27	F	205	WVN	C15-C13-C20-C23
27	F	205	WVN	C11-C19-C22-C26
27	I	101	WVN	C01-C02-C11-C19
27	I	101	WVN	C11-C19-C22-C24
27	I	101	WVN	C11-C19-C22-C26
27	J	101	WVN	C15-C13-C20-C23
27	J	101	WVN	C29-C31-C32-C35
27	J	101	WVN	C29-C31-C32-C36
27	J	102	WVN	C11-C19-C22-C24
27	J	102	WVN	C11-C19-C22-C26
27	J	102	WVN	C20-C23-C25-C27
27	J	102	WVN	C20-C23-C25-C28
27	J	102	WVN	C30-C33-C34-C37
27	J	102	WVN	C30-C33-C34-C38
27	L	201	WVN	C15-C13-C20-C23
27	L	201	WVN	C11-C19-C22-C24
27	L	201	WVN	C11-C19-C22-C26
27	L	205	WVN	C06-C13-C20-C23
27	L	205	WVN	C11-C19-C22-C24
27	L	205	WVN	C11-C19-C22-C26
27	M	101	WVN	C20-C23-C25-C27

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Mol	Chain	Res	Type	Atoms
27	M	101	WVN	C20-C23-C25-C28
27	M	101	WVN	C30-C33-C34-C37
27	M	101	WVN	C30-C33-C34-C38
27	h	308	WVN	C30-C33-C34-C38
27	e	615	WVN	C05-C02-C11-C19
27	e	615	WVN	C15-C13-C20-C23
27	e	615	WVN	C11-C19-C22-C24
27	e	615	WVN	C11-C19-C22-C26
27	e	615	WVN	C30-C33-C34-C37
27	e	615	WVN	C30-C33-C34-C38
27	j	301	WVN	C06-C13-C20-C23
27	j	301	WVN	C29-C31-C32-C35
27	j	301	WVN	C29-C31-C32-C36
27	R	202	WVN	C06-C13-C20-C23
27	R	202	WVN	C15-C13-C20-C23
27	R	202	WVN	C29-C31-C32-C35
28	A	851	LMT	C2'-C1'-O1'-C1
28	A	851	LMT	O5'-C1'-O1'-C1
28	A	851	LMT	C2-C1-O1'-C1'
28	F	203	LMT	O5'-C1'-O1'-C1
28	b	319	LMT	C2'-C1'-O1'-C1
28	b	319	LMT	O5'-C1'-O1'-C1
31	B	844	LMU	C2-C1-O1'-C1'
32	L	208	LMG	C2-C1-O1-C7
32	L	208	LMG	O6-C1-O1-C7
33	J	104	II0	C25-C29-C31-C33
33	J	104	II0	C32-C34-C36-C38
33	J	104	II0	C32-C34-C36-C40
33	c	613	II0	C26-C30-C32-C34
33	c	616	II0	C32-C34-C36-C38
33	c	616	II0	C32-C34-C36-C40
33	a	314	II0	C10-C22-C24-C26
33	a	317	II0	C31-C33-C35-C37
33	a	317	II0	C31-C33-C35-C39
33	b	314	II0	C10-C22-C24-C26
33	b	314	II0	C32-C34-C36-C38
33	b	314	II0	C32-C34-C36-C40
33	b	318	II0	C31-C33-C35-C39
33	h	310	II0	C32-C34-C36-C38
33	h	310	II0	C32-C34-C36-C40
33	h	311	II0	C25-C29-C31-C33
33	e	612	II0	C26-C30-C32-C34

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Mol	Chain	Res	Type	Atoms
33	e	612	II0	C32-C34-C36-C38
33	e	612	II0	C32-C34-C36-C40
33	e	613	II0	C25-C29-C31-C33
33	e	614	II0	C26-C30-C32-C34
33	e	614	II0	C32-C34-C36-C38
33	e	614	II0	C32-C34-C36-C40
33	k	616	II0	C31-C33-C35-C37
33	k	616	II0	C31-C33-C35-C39
33	k	617	II0	C10-C22-C24-C26
33	k	619	II0	C31-C33-C35-C39
33	k	619	II0	C32-C34-C36-C38
33	k	619	II0	C32-C34-C36-C40
33	k	621	II0	C31-C33-C35-C37
33	k	621	II0	C31-C33-C35-C39
33	f	614	II0	C26-C30-C32-C34
33	f	615	II0	C32-C34-C36-C38
33	f	615	II0	C32-C34-C36-C40
33	f	616	II0	C31-C33-C35-C37
33	f	616	II0	C31-C33-C35-C39
33	f	618	II0	C25-C29-C31-C33
33	f	618	II0	C32-C34-C36-C38
33	f	618	II0	C32-C34-C36-C40
33	i	613	II0	C32-C34-C36-C38
33	i	613	II0	C32-C34-C36-C40
33	i	614	II0	C25-C29-C31-C33
33	i	614	II0	C32-C34-C36-C38
33	i	614	II0	C32-C34-C36-C40
33	j	315	II0	C31-C33-C35-C37
33	j	315	II0	C31-C33-C35-C39
33	j	318	II0	C31-C33-C35-C37
33	j	318	II0	C31-C33-C35-C39
33	d	313	II0	C32-C34-C36-C38
33	d	313	II0	C32-C34-C36-C40
33	d	314	II0	C31-C33-C35-C37
33	d	314	II0	C31-C33-C35-C39
33	d	315	II0	C09-C21-C23-C25
33	d	315	II0	C25-C29-C31-C33
33	d	315	II0	C32-C34-C36-C38
33	d	315	II0	C32-C34-C36-C40
33	g	316	II0	C32-C34-C36-C40
33	g	317	II0	C32-C34-C36-C38
33	g	317	II0	C32-C34-C36-C40

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Mol	Chain	Res	Type	Atoms
33	g	318	II0	C10-C22-C24-C26
33	g	320	II0	C32-C34-C36-C38
33	g	320	II0	C32-C34-C36-C40
34	c	615	IHT	C30-C32-C33-C36
34	c	615	IHT	C30-C32-C33-C37
34	a	316	IHT	C31-C34-C35-C39
34	b	316	IHT	C18-C22-C23-C25
34	b	316	IHT	C18-C22-C23-C27
34	k	618	IHT	C02-C07-C18-C22
34	k	618	IHT	C23-C27-C30-C32
34	k	618	IHT	C33-C37-C40-C41
34	k	618	IHT	C35-C38-C41-C40
34	f	617	IHT	C10-C07-C18-C22
34	f	617	IHT	C18-C22-C23-C25
34	f	617	IHT	C18-C22-C23-C27
34	j	317	IHT	C18-C22-C23-C25
34	j	317	IHT	C18-C22-C23-C27
34	g	319	IHT	C18-C22-C23-C25
34	g	319	IHT	C18-C22-C23-C27
34	g	319	IHT	C23-C27-C30-C32
35	c	610	KC2	C1A-C2A-CAA-CBA
35	c	610	KC2	C3A-C2A-CAA-CBA
35	c	610	KC2	C2C-C3C-CAC-CBC
35	c	610	KC2	C4C-C3C-CAC-CBC
35	c	610	KC2	C2A-CAA-CBA-CGA
35	c	610	KC2	CHA-CBD-CGD-O2D
35	e	609	KC2	C2C-C3C-CAC-CBC
35	e	609	KC2	C4C-C3C-CAC-CBC
35	k	611	KC2	C2C-C3C-CAC-CBC
35	k	611	KC2	C4C-C3C-CAC-CBC
35	k	612	KC2	C1A-C2A-CAA-CBA
35	k	612	KC2	C2B-C3B-CAB-CBB
35	k	613	KC2	C1A-C2A-CAA-CBA
35	k	613	KC2	C3A-C2A-CAA-CBA
35	k	613	KC2	C2C-C3C-CAC-CBC
35	k	613	KC2	C4C-C3C-CAC-CBC
35	k	613	KC2	C2A-CAA-CBA-CGA
35	f	611	KC2	C2C-C3C-CAC-CBC
35	f	611	KC2	C2A-CAA-CBA-CGA
35	i	609	KC2	C2B-C3B-CAB-CBB
35	i	609	KC2	C4B-C3B-CAB-CBB
35	i	609	KC2	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
35	i	609	KC2	C4C-C3C-CAC-CBC
35	i	609	KC2	CAA-CBA-CGA-O2A
35	i	616	KC2	C1A-C2A-CAA-CBA
35	i	616	KC2	C3A-C2A-CAA-CBA
35	i	616	KC2	C2C-C3C-CAC-CBC
35	i	616	KC2	C4C-C3C-CAC-CBC
35	i	616	KC2	C2A-CAA-CBA-CGA
35	i	616	KC2	CBD-CGD-O2D-CED
35	i	616	KC2	O1D-CGD-O2D-CED
35	d	310	KC2	C2C-C3C-CAC-CBC
35	d	310	KC2	C4C-C3C-CAC-CBC
35	d	310	KC2	C2A-CAA-CBA-CGA
35	d	311	KC2	C1A-C2A-CAA-CBA
35	d	311	KC2	C3A-C2A-CAA-CBA
35	d	311	KC2	C2A-CAA-CBA-CGA
35	g	312	KC2	C1A-C2A-CAA-CBA
35	g	312	KC2	C2C-C3C-CAC-CBC
35	g	312	KC2	C4C-C3C-CAC-CBC
35	g	312	KC2	C2A-CAA-CBA-CGA
35	g	312	KC2	CHA-CBD-CGD-O1D
35	g	313	KC2	C2C-C3C-CAC-CBC
35	g	313	KC2	C4C-C3C-CAC-CBC
35	g	314	KC2	C1A-C2A-CAA-CBA
35	g	314	KC2	C3A-C2A-CAA-CBA
35	g	314	KC2	C2A-CAA-CBA-CGA
24	A	801	CLA	O1D-CGD-O2D-CED
24	A	815	CLA	O1D-CGD-O2D-CED
24	A	856	CLA	O1D-CGD-O2D-CED
24	c	603	CLA	O1D-CGD-O2D-CED
24	c	608	CLA	O1D-CGD-O2D-CED
24	c	611	CLA	O1D-CGD-O2D-CED
24	b	311	CLA	O1D-CGD-O2D-CED
24	k	607	CLA	O1D-CGD-O2D-CED
24	k	610	CLA	O1D-CGD-O2D-CED
24	f	613	CLA	O1D-CGD-O2D-CED
24	d	306	CLA	O1D-CGD-O2D-CED
35	g	312	KC2	O1D-CGD-O2D-CED
31	B	844	LMU	O5B-C1B-O1B-C4'
24	B	804	CLA	C2C-C3C-CAC-CBC
24	a	311	CLA	C2C-C3C-CAC-CBC
24	K	102	CLA	O1D-CGD-O2D-CED
24	b	310	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	k	614	CLA	O1D-CGD-O2D-CED
24	f	610	CLA	O1D-CGD-O2D-CED
24	A	813	CLA	CBD-CGD-O2D-CED
24	A	816	CLA	CBD-CGD-O2D-CED
24	A	856	CLA	CBD-CGD-O2D-CED
24	B	804	CLA	CBD-CGD-O2D-CED
24	B	806	CLA	CBD-CGD-O2D-CED
24	B	813	CLA	CBD-CGD-O2D-CED
24	B	830	CLA	CBD-CGD-O2D-CED
24	L	202	CLA	CBD-CGD-O2D-CED
24	O	201	CLA	CBD-CGD-O2D-CED
24	c	603	CLA	CBD-CGD-O2D-CED
24	c	609	CLA	CBD-CGD-O2D-CED
24	c	611	CLA	CBD-CGD-O2D-CED
24	a	312	CLA	CBD-CGD-O2D-CED
24	b	310	CLA	CBD-CGD-O2D-CED
24	b	311	CLA	CBD-CGD-O2D-CED
24	b	313	CLA	CBD-CGD-O2D-CED
24	h	302	CLA	CBD-CGD-O2D-CED
24	e	604	CLA	CBD-CGD-O2D-CED
24	e	610	CLA	CBD-CGD-O2D-CED
24	k	601	CLA	CBD-CGD-O2D-CED
24	k	610	CLA	CBD-CGD-O2D-CED
24	f	612	CLA	CBD-CGD-O2D-CED
24	f	613	CLA	CBD-CGD-O2D-CED
24	i	602	CLA	CBD-CGD-O2D-CED
24	i	605	CLA	CBD-CGD-O2D-CED
24	i	610	CLA	CBD-CGD-O2D-CED
24	i	611	CLA	CBD-CGD-O2D-CED
24	j	306	CLA	CBD-CGD-O2D-CED
24	j	311	CLA	CBD-CGD-O2D-CED
24	j	313	CLA	CBD-CGD-O2D-CED
24	j	314	CLA	CBD-CGD-O2D-CED
24	d	302	CLA	CBD-CGD-O2D-CED
24	d	306	CLA	CBD-CGD-O2D-CED
24	d	312	CLA	CBD-CGD-O2D-CED
35	k	611	KC2	CBD-CGD-O2D-CED
35	j	312	KC2	CBD-CGD-O2D-CED
35	g	312	KC2	CBD-CGD-O2D-CED
24	A	811	CLA	O1A-CGA-O2A-C1
24	A	821	CLA	O1A-CGA-O2A-C1
24	A	842	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
24	B	813	CLA	O1A-CGA-O2A-C1
24	F	201	CLA	O1A-CGA-O2A-C1
24	J	105	CLA	O1A-CGA-O2A-C1
24	b	308	CLA	O1A-CGA-O2A-C1
24	h	301	CLA	O1A-CGA-O2A-C1
24	e	611	CLA	O1A-CGA-O2A-C1
24	k	607	CLA	O1A-CGA-O2A-C1
24	k	610	CLA	O1A-CGA-O2A-C1
26	B	802	LHG	O10-C23-O8-C6
26	c	617	LHG	O10-C23-O8-C6
24	d	307	CLA	O1A-CGA-O2A-C1
28	A	851	LMT	O5B-C1B-O1B-C4'
24	a	311	CLA	C4C-C3C-CAC-CBC
24	c	609	CLA	O1D-CGD-O2D-CED
24	f	612	CLA	O1D-CGD-O2D-CED
24	i	610	CLA	O1D-CGD-O2D-CED
24	g	304	CLA	O1D-CGD-O2D-CED
35	k	611	KC2	O1D-CGD-O2D-CED
24	A	813	CLA	O1D-CGD-O2D-CED
24	B	804	CLA	O1D-CGD-O2D-CED
24	c	606	CLA	O1D-CGD-O2D-CED
24	c	612	CLA	O1D-CGD-O2D-CED
24	a	312	CLA	O1D-CGD-O2D-CED
24	b	308	CLA	O1D-CGD-O2D-CED
24	b	312	CLA	O1D-CGD-O2D-CED
24	e	603	CLA	O1D-CGD-O2D-CED
24	e	604	CLA	O1D-CGD-O2D-CED
24	e	605	CLA	O1D-CGD-O2D-CED
24	f	605	CLA	O1D-CGD-O2D-CED
24	j	311	CLA	O1D-CGD-O2D-CED
24	A	811	CLA	CBA-CGA-O2A-C1
24	A	842	CLA	CBA-CGA-O2A-C1
24	J	105	CLA	CBA-CGA-O2A-C1
24	h	301	CLA	CBA-CGA-O2A-C1
24	e	611	CLA	CBA-CGA-O2A-C1
24	k	610	CLA	CBA-CGA-O2A-C1
26	B	802	LHG	C24-C23-O8-C6
26	c	617	LHG	C24-C23-O8-C6
24	A	808	CLA	CBD-CGD-O2D-CED
24	B	814	CLA	CBD-CGD-O2D-CED
24	B	837	CLA	CBD-CGD-O2D-CED
24	F	202	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	a	305	CLA	CBD-CGD-O2D-CED
24	a	308	CLA	CBD-CGD-O2D-CED
24	h	304	CLA	CBD-CGD-O2D-CED
24	k	608	CLA	CBD-CGD-O2D-CED
24	i	603	CLA	CBD-CGD-O2D-CED
24	j	307	CLA	CBD-CGD-O2D-CED
24	d	305	CLA	CBD-CGD-O2D-CED
24	d	308	CLA	CBD-CGD-O2D-CED
24	g	306	CLA	CBD-CGD-O2D-CED
35	k	612	KC2	CBD-CGD-O2D-CED
24	A	803	CLA	O1A-CGA-O2A-C1
24	A	814	CLA	O1A-CGA-O2A-C1
24	A	835	CLA	O1A-CGA-O2A-C1
24	B	830	CLA	O1A-CGA-O2A-C1
24	a	310	CLA	O1A-CGA-O2A-C1
24	h	302	CLA	O1A-CGA-O2A-C1
24	e	606	CLA	O1A-CGA-O2A-C1
24	f	610	CLA	O1A-CGA-O2A-C1
24	i	605	CLA	O1A-CGA-O2A-C1
24	j	307	CLA	O1A-CGA-O2A-C1
24	j	308	CLA	O1A-CGA-O2A-C1
24	g	322	CLA	O1A-CGA-O2A-C1
26	k	620	LHG	O10-C23-O8-C6
26	i	615	LHG	O10-C23-O8-C6
24	e	611	CLA	O1D-CGD-O2D-CED
35	k	613	KC2	CAA-CBA-CGA-O1A
24	h	301	CLA	O1D-CGD-O2D-CED
24	k	606	CLA	O1D-CGD-O2D-CED
24	g	315	CLA	O1D-CGD-O2D-CED
24	A	837	CLA	CBD-CGD-O2D-CED
24	B	810	CLA	CBD-CGD-O2D-CED
24	B	831	CLA	CBD-CGD-O2D-CED
24	a	306	CLA	CBD-CGD-O2D-CED
24	h	312	CLA	CBD-CGD-O2D-CED
24	f	607	CLA	CBD-CGD-O2D-CED
24	g	305	CLA	CBD-CGD-O2D-CED
24	O	201	CLA	O1D-CGD-O2D-CED
24	d	303	CLA	O1D-CGD-O2D-CED
26	B	802	LHG	O9-C7-O7-C5
24	c	607	CLA	CBA-CGA-O2A-C1
24	A	802	CLA	C3-C5-C6-C7
24	A	820	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
24	A	840	CLA	C3-C5-C6-C7
24	B	808	CLA	C3-C5-C6-C7
24	B	830	CLA	C3-C5-C6-C7
24	B	836	CLA	C3-C5-C6-C7
24	O	201	CLA	C3-C5-C6-C7
24	b	309	CLA	C3-C5-C6-C7
24	f	610	CLA	C3-C5-C6-C7
24	A	803	CLA	CBA-CGA-O2A-C1
24	A	840	CLA	CBA-CGA-O2A-C1
24	B	813	CLA	CBA-CGA-O2A-C1
24	F	201	CLA	CBA-CGA-O2A-C1
24	c	608	CLA	CBA-CGA-O2A-C1
24	a	310	CLA	CBA-CGA-O2A-C1
24	b	308	CLA	CBA-CGA-O2A-C1
24	h	302	CLA	CBA-CGA-O2A-C1
24	h	306	CLA	CBA-CGA-O2A-C1
24	f	602	CLA	CBA-CGA-O2A-C1
24	f	610	CLA	CBA-CGA-O2A-C1
24	j	307	CLA	CBA-CGA-O2A-C1
24	j	308	CLA	CBA-CGA-O2A-C1
26	k	620	LHG	C24-C23-O8-C6
26	a	301	LHG	C8-C7-O7-C5
26	k	620	LHG	C8-C7-O7-C5
26	f	620	LHG	C8-C7-O7-C5
24	A	831	CLA	CBD-CGD-O2D-CED
24	A	841	CLA	CBD-CGD-O2D-CED
24	B	805	CLA	CBD-CGD-O2D-CED
24	k	602	CLA	CBD-CGD-O2D-CED
24	f	602	CLA	CBD-CGD-O2D-CED
35	d	310	KC2	CBD-CGD-O2D-CED
35	k	612	KC2	CAA-CBA-CGA-O1A
35	i	609	KC2	CAA-CBA-CGA-O1A
24	e	608	CLA	CBA-CGA-O2A-C1
24	B	836	CLA	C2C-C3C-CAC-CBC
24	A	812	CLA	C4-C3-C5-C6
24	A	835	CLA	C4-C3-C5-C6
24	B	801	CLA	C4-C3-C5-C6
24	A	816	CLA	C2-C3-C5-C6
24	A	838	CLA	C2-C3-C5-C6
24	B	801	CLA	C2-C3-C5-C6
24	f	610	CLA	C2-C3-C5-C6
24	B	803	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	f	601	CLA	CBD-CGD-O2D-CED
24	A	811	CLA	C2A-CAA-CBA-CGA
24	A	819	CLA	C2A-CAA-CBA-CGA
24	A	822	CLA	C2A-CAA-CBA-CGA
24	B	813	CLA	C2A-CAA-CBA-CGA
24	B	835	CLA	C2A-CAA-CBA-CGA
24	L	204	CLA	C2A-CAA-CBA-CGA
24	c	602	CLA	C2A-CAA-CBA-CGA
24	c	608	CLA	C2A-CAA-CBA-CGA
24	h	302	CLA	C2A-CAA-CBA-CGA
24	k	605	CLA	C2A-CAA-CBA-CGA
24	f	601	CLA	C2A-CAA-CBA-CGA
24	f	612	CLA	C2A-CAA-CBA-CGA
24	i	602	CLA	C2A-CAA-CBA-CGA
24	i	610	CLA	C2A-CAA-CBA-CGA
24	g	315	CLA	C2A-CAA-CBA-CGA
24	B	811	CLA	O1A-CGA-O2A-C1
24	c	605	CLA	O1A-CGA-O2A-C1
24	e	610	CLA	O1D-CGD-O2D-CED
24	j	313	CLA	O1D-CGD-O2D-CED
24	c	607	CLA	O1A-CGA-O2A-C1
24	b	306	CLA	C3-C5-C6-C7
24	A	814	CLA	CBA-CGA-O2A-C1
24	A	821	CLA	CBA-CGA-O2A-C1
24	A	830	CLA	CBA-CGA-O2A-C1
24	A	835	CLA	CBA-CGA-O2A-C1
24	B	828	CLA	CBA-CGA-O2A-C1
24	B	830	CLA	CBA-CGA-O2A-C1
24	B	837	CLA	CBA-CGA-O2A-C1
24	O	205	CLA	CBA-CGA-O2A-C1
24	a	302	CLA	CBA-CGA-O2A-C1
24	e	606	CLA	CBA-CGA-O2A-C1
24	i	605	CLA	CBA-CGA-O2A-C1
24	g	322	CLA	CBA-CGA-O2A-C1
26	i	615	LHG	C24-C23-O8-C6
24	B	830	CLA	O1D-CGD-O2D-CED
24	k	601	CLA	O1D-CGD-O2D-CED
24	i	611	CLA	O1D-CGD-O2D-CED
24	d	302	CLA	O1D-CGD-O2D-CED
24	B	821	CLA	CBD-CGD-O2D-CED
35	e	609	KC2	CBD-CGD-O2D-CED
24	L	202	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	b	313	CLA	O1D-CGD-O2D-CED
24	i	605	CLA	O1D-CGD-O2D-CED
24	d	312	CLA	O1D-CGD-O2D-CED
26	b	320	LHG	O9-C7-O7-C5
26	i	615	LHG	O9-C7-O7-C5
24	A	823	CLA	O1A-CGA-O2A-C1
24	A	830	CLA	O1A-CGA-O2A-C1
24	B	837	CLA	O1A-CGA-O2A-C1
24	c	601	CLA	O1A-CGA-O2A-C1
24	c	608	CLA	O1A-CGA-O2A-C1
24	b	303	CLA	O1A-CGA-O2A-C1
24	h	304	CLA	O1A-CGA-O2A-C1
24	k	601	CLA	O1A-CGA-O2A-C1
24	f	602	CLA	O1A-CGA-O2A-C1
24	i	606	CLA	O1A-CGA-O2A-C1
24	j	311	CLA	O1A-CGA-O2A-C1
27	I	101	WVN	C22-C26-C29-C31
33	J	104	II0	C26-C30-C32-C34
33	O	202	II0	C25-C29-C31-C33
33	c	616	II0	C26-C30-C32-C34
33	a	317	II0	C35-C39-C41-C42
33	b	314	II0	C25-C29-C31-C33
33	b	314	II0	C26-C30-C32-C34
33	h	310	II0	C26-C30-C32-C34
33	h	310	II0	C36-C40-C42-C41
33	k	617	II0	C25-C29-C31-C33
33	k	621	II0	C25-C29-C31-C33
33	i	612	II0	C26-C30-C32-C34
33	i	612	II0	C36-C40-C42-C41
33	d	314	II0	C35-C39-C41-C42
34	c	615	IHT	C33-C37-C40-C41
34	c	615	IHT	C35-C38-C41-C40
34	a	316	IHT	C26-C29-C31-C34
31	B	844	LMU	O5'-C5'-C6'-O6'
35	k	612	KC2	CAA-CBA-CGA-O2A
24	A	802	CLA	CBD-CGD-O2D-CED
24	A	814	CLA	CBD-CGD-O2D-CED
24	A	817	CLA	CBD-CGD-O2D-CED
24	A	818	CLA	CBD-CGD-O2D-CED
24	A	832	CLA	CBD-CGD-O2D-CED
24	A	853	CLA	CBD-CGD-O2D-CED
24	B	822	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	I	102	CLA	CBD-CGD-O2D-CED
24	c	601	CLA	CBD-CGD-O2D-CED
24	b	303	CLA	CBD-CGD-O2D-CED
24	e	608	CLA	CBD-CGD-O2D-CED
35	d	311	KC2	CBD-CGD-O2D-CED
24	A	816	CLA	O1D-CGD-O2D-CED
24	j	306	CLA	O1D-CGD-O2D-CED
24	j	314	CLA	O1D-CGD-O2D-CED
26	f	619	LHG	O2-C2-C3-O3
26	g	301	LHG	O2-C2-C3-O3
24	A	829	CLA	C3-C5-C6-C7
24	B	803	CLA	C3-C5-C6-C7
24	B	823	CLA	C3-C5-C6-C7
24	O	205	CLA	C3-C5-C6-C7
24	A	818	CLA	CBA-CGA-O2A-C1
24	B	817	CLA	CBA-CGA-O2A-C1
24	c	601	CLA	CBA-CGA-O2A-C1
24	b	303	CLA	CBA-CGA-O2A-C1
24	b	313	CLA	CBA-CGA-O2A-C1
24	h	304	CLA	CBA-CGA-O2A-C1
24	j	311	CLA	CBA-CGA-O2A-C1
24	j	313	CLA	CBA-CGA-O2A-C1
24	g	308	CLA	CBA-CGA-O2A-C1
26	b	302	LHG	C24-C23-O8-C6
26	d	316	LHG	C24-C23-O8-C6
24	A	840	CLA	O1A-CGA-O2A-C1
24	h	306	CLA	O1A-CGA-O2A-C1
28	b	319	LMT	O5'-C5'-C6'-O6'
24	B	806	CLA	O1D-CGD-O2D-CED
24	B	813	CLA	O1D-CGD-O2D-CED
24	b	309	CLA	C2C-C3C-CAC-CBC
24	A	811	CLA	CBD-CGD-O2D-CED
24	h	303	CLA	CBD-CGD-O2D-CED
24	h	305	CLA	CBD-CGD-O2D-CED
24	j	308	CLA	CBD-CGD-O2D-CED
26	f	619	LHG	C25-C26-C27-C28
26	f	620	LHG	C28-C29-C30-C31
24	A	818	CLA	O1A-CGA-O2A-C1
24	B	828	CLA	O1A-CGA-O2A-C1
24	g	308	CLA	O1A-CGA-O2A-C1
24	k	614	CLA	C2C-C3C-CAC-CBC
26	f	619	LHG	C27-C28-C29-C30

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Mol	Chain	Res	Type	Atoms
24	h	302	CLA	O1D-CGD-O2D-CED
32	J	106	LMG	C28-C29-C30-C31
24	B	801	CLA	CBD-CGD-O2D-CED
24	L	204	CLA	CBD-CGD-O2D-CED
24	B	812	CLA	C3-C5-C6-C7
24	B	814	CLA	C3-C5-C6-C7
24	A	823	CLA	CBA-CGA-O2A-C1
24	B	811	CLA	CBA-CGA-O2A-C1
24	c	605	CLA	CBA-CGA-O2A-C1
24	k	601	CLA	CBA-CGA-O2A-C1
24	i	606	CLA	CBA-CGA-O2A-C1
35	c	610	KC2	CAA-CBA-CGA-O2A
31	B	844	LMU	C4'-C5'-C6'-O6'
24	j	313	CLA	O1A-CGA-O2A-C1
24	e	608	CLA	O1A-CGA-O2A-C1
24	A	816	CLA	C4-C3-C5-C6
24	A	855	CLA	C4-C3-C5-C6
24	B	836	CLA	C4-C3-C5-C6
24	b	308	CLA	C4-C3-C5-C6
24	b	312	CLA	C4-C3-C5-C6
24	A	811	CLA	C2-C3-C5-C6
24	A	835	CLA	C2-C3-C5-C6
24	A	855	CLA	C2-C3-C5-C6
24	B	836	CLA	C2-C3-C5-C6
24	b	308	CLA	C2-C3-C5-C6
24	b	312	CLA	C2-C3-C5-C6
24	A	821	CLA	C2A-CAA-CBA-CGA
24	B	827	CLA	C2A-CAA-CBA-CGA
24	F	202	CLA	C2A-CAA-CBA-CGA
24	k	610	CLA	C2A-CAA-CBA-CGA
24	B	817	CLA	O1A-CGA-O2A-C1
24	a	302	CLA	O1A-CGA-O2A-C1
26	d	316	LHG	O10-C23-O8-C6
24	B	823	CLA	CBA-CGA-O2A-C1
24	b	307	CLA	CBA-CGA-O2A-C1
35	i	609	KC2	CBD-CGD-O2D-CED
24	B	814	CLA	O1D-CGD-O2D-CED
24	i	602	CLA	O1D-CGD-O2D-CED
24	b	313	CLA	O1A-CGA-O2A-C1
26	b	302	LHG	O10-C23-O8-C6
35	k	613	KC2	CAA-CBA-CGA-O2A
24	A	808	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	F	202	CLA	O1D-CGD-O2D-CED
24	a	310	CLA	CBD-CGD-O2D-CED
24	O	205	CLA	O1A-CGA-O2A-C1
24	A	822	CLA	CBA-CGA-O2A-C1
24	A	837	CLA	CBA-CGA-O2A-C1
24	B	803	CLA	CBA-CGA-O2A-C1
24	B	805	CLA	CBA-CGA-O2A-C1
24	B	809	CLA	CBA-CGA-O2A-C1
24	B	815	CLA	CBA-CGA-O2A-C1
24	B	827	CLA	CBA-CGA-O2A-C1
24	B	838	CLA	CBA-CGA-O2A-C1
24	F	202	CLA	CBA-CGA-O2A-C1
24	c	612	CLA	CBA-CGA-O2A-C1
24	h	307	CLA	CBA-CGA-O2A-C1
24	e	607	CLA	CBA-CGA-O2A-C1
24	i	602	CLA	CBA-CGA-O2A-C1
26	c	618	LHG	C24-C23-O8-C6
26	g	321	LHG	C24-C23-O8-C6
24	A	832	CLA	C15-C16-C17-C18
33	h	310	II0	C35-C39-C41-C42
33	k	616	II0	C25-C29-C31-C33
33	k	619	II0	C25-C29-C31-C33
33	k	621	II0	C26-C30-C32-C34
33	f	616	II0	C25-C29-C31-C33
34	j	317	IHT	C23-C27-C30-C32
24	a	308	CLA	O1D-CGD-O2D-CED
32	L	208	LMG	C38-C39-C40-C41
35	g	314	KC2	CAA-CBA-CGA-O2A
24	B	804	CLA	C4C-C3C-CAC-CBC
24	O	205	CLA	C15-C16-C17-C18
24	b	304	CLA	C5-C6-C7-C8
24	b	305	CLA	C15-C16-C17-C18
24	a	309	CLA	O2A-C1-C2-C3
28	F	203	LMT	C2'-C1'-O1'-C1
24	A	837	CLA	O1A-CGA-O2A-C1
24	B	803	CLA	O1A-CGA-O2A-C1
24	B	809	CLA	O1A-CGA-O2A-C1
24	h	307	CLA	O1A-CGA-O2A-C1
24	a	308	CLA	C4-C3-C5-C6
24	A	809	CLA	C6-C7-C8-C9
24	A	812	CLA	C11-C12-C13-C14
24	A	817	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
24	A	824	CLA	C11-C12-C13-C14
24	A	825	CLA	C6-C7-C8-C9
24	A	827	CLA	C14-C13-C15-C16
24	A	839	CLA	C11-C10-C8-C9
24	A	839	CLA	C14-C13-C15-C16
24	A	840	CLA	C14-C13-C15-C16
24	A	853	CLA	C14-C13-C15-C16
24	B	801	CLA	C11-C10-C8-C9
24	B	803	CLA	C11-C12-C13-C14
24	B	807	CLA	C6-C7-C8-C9
24	B	812	CLA	C14-C13-C15-C16
24	B	814	CLA	C11-C10-C8-C9
24	B	822	CLA	C14-C13-C15-C16
24	B	823	CLA	C11-C12-C13-C14
24	B	836	CLA	C6-C7-C8-C9
24	B	837	CLA	C11-C12-C13-C14
24	B	839	CLA	C6-C7-C8-C9
24	B	839	CLA	C11-C12-C13-C14
24	F	201	CLA	C11-C10-C8-C9
24	F	201	CLA	C11-C12-C13-C14
24	L	203	CLA	C6-C7-C8-C9
24	L	203	CLA	C11-C12-C13-C14
24	c	608	CLA	C11-C10-C8-C9
24	c	608	CLA	C11-C12-C13-C14
24	c	608	CLA	C14-C13-C15-C16
24	c	612	CLA	C14-C13-C15-C16
24	a	307	CLA	C11-C10-C8-C9
24	a	308	CLA	C6-C7-C8-C9
24	b	306	CLA	C11-C10-C8-C9
24	b	307	CLA	C14-C13-C15-C16
24	b	309	CLA	C14-C13-C15-C16
24	b	313	CLA	C11-C12-C13-C14
24	b	313	CLA	C14-C13-C15-C16
24	h	305	CLA	C11-C10-C8-C9
24	e	605	CLA	C6-C7-C8-C9
24	e	605	CLA	C11-C10-C8-C9
24	e	606	CLA	C6-C7-C8-C9
24	e	606	CLA	C11-C10-C8-C9
24	e	607	CLA	C14-C13-C15-C16
24	k	608	CLA	C6-C7-C8-C9
24	k	608	CLA	C11-C10-C8-C9
24	k	609	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
24	f	602	CLA	C14-C13-C15-C16
24	f	607	CLA	C11-C12-C13-C14
24	f	607	CLA	C14-C13-C15-C16
24	f	610	CLA	C11-C12-C13-C14
24	f	613	CLA	C11-C12-C13-C14
24	j	311	CLA	C11-C10-C8-C9
24	j	314	CLA	C11-C12-C13-C14
24	j	314	CLA	C14-C13-C15-C16
24	g	305	CLA	C11-C12-C13-C14
24	g	308	CLA	C11-C12-C13-C14
24	g	308	CLA	C14-C13-C15-C16
25	B	842	PQN	C21-C22-C23-C24
24	j	307	CLA	O1D-CGD-O2D-CED
24	d	308	CLA	O1D-CGD-O2D-CED
24	A	827	CLA	CBD-CGD-O2D-CED
24	B	820	CLA	CBD-CGD-O2D-CED
27	A	846	WVN	C11-C19-C22-C24
27	A	847	WVN	C30-C33-C34-C38
27	B	845	WVN	C20-C23-C25-C27
27	B	849	WVN	C29-C31-C32-C35
27	F	205	WVN	C11-C19-C22-C24
27	F	205	WVN	C29-C31-C32-C35
27	L	205	WVN	C20-C23-C25-C27
27	h	308	WVN	C11-C19-C22-C24
27	j	301	WVN	C20-C23-C25-C27
27	R	201	WVN	C11-C19-C22-C24
27	R	201	WVN	C30-C33-C34-C38
27	R	202	WVN	C30-C33-C34-C38
33	J	104	II0	C31-C33-C35-C37
33	c	613	II0	C32-C34-C36-C38
33	b	318	II0	C31-C33-C35-C37
33	h	311	II0	C31-C33-C35-C37
33	k	616	II0	C32-C34-C36-C38
33	k	619	II0	C31-C33-C35-C37
33	f	614	II0	C32-C34-C36-C38
33	i	612	II0	C32-C34-C36-C38
33	d	313	II0	C31-C33-C35-C37
33	d	315	II0	C31-C33-C35-C37
33	g	316	II0	C32-C34-C36-C38
34	O	203	IHT	C18-C22-C23-C25
34	c	615	IHT	C18-C22-C23-C25
34	c	615	IHT	C31-C34-C35-C39

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Mol	Chain	Res	Type	Atoms
34	j	317	IHT	C30-C32-C33-C36
34	g	319	IHT	C31-C34-C35-C39
34	R	204	IHT	C18-C22-C23-C25
27	A	847	WVN	C30-C33-C34-C37
27	A	850	WVN	C30-C33-C34-C37
27	B	845	WVN	C20-C23-C25-C28
27	B	849	WVN	C29-C31-C32-C36
27	F	205	WVN	C29-C31-C32-C36
27	L	201	WVN	C20-C23-C25-C28
27	L	205	WVN	C20-C23-C25-C28
27	h	308	WVN	C11-C19-C22-C26
27	h	308	WVN	C30-C33-C34-C37
27	j	301	WVN	C20-C23-C25-C28
27	R	201	WVN	C11-C19-C22-C26
27	R	202	WVN	C29-C31-C32-C36
33	J	104	II0	C31-C33-C35-C39
33	O	202	II0	C31-C33-C35-C39
33	c	613	II0	C32-C34-C36-C40
33	k	616	II0	C32-C34-C36-C40
33	f	614	II0	C32-C34-C36-C40
33	i	612	II0	C32-C34-C36-C40
33	d	315	II0	C31-C33-C35-C39
34	O	203	IHT	C18-C22-C23-C27
34	c	615	IHT	C18-C22-C23-C27
34	a	316	IHT	C31-C34-C35-C38
34	j	317	IHT	C30-C32-C33-C37
34	g	319	IHT	C31-C34-C35-C38
34	R	204	IHT	C18-C22-C23-C27
32	b	301	LMG	C11-C10-O7-C8
24	B	805	CLA	O1A-CGA-O2A-C1
24	B	815	CLA	O1A-CGA-O2A-C1
24	B	827	CLA	O1A-CGA-O2A-C1
24	g	322	CLA	C13-C15-C16-C17
25	A	843	PQN	C18-C20-C21-C22
24	A	840	CLA	CBD-CGD-O2D-CED
28	b	319	LMT	C4'-C5'-C6'-O6'
24	B	837	CLA	O1D-CGD-O2D-CED
24	i	603	CLA	O1D-CGD-O2D-CED
24	A	839	CLA	CBA-CGA-O2A-C1
24	A	841	CLA	CBA-CGA-O2A-C1
24	a	311	CLA	CBA-CGA-O2A-C1
24	f	603	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
24	B	836	CLA	C13-C15-C16-C17
24	b	305	CLA	C5-C6-C7-C8
24	b	306	CLA	C5-C6-C7-C8
24	b	306	CLA	C13-C15-C16-C17
24	b	308	CLA	C10-C11-C12-C13
24	e	604	CLA	C13-C15-C16-C17
24	g	306	CLA	O1D-CGD-O2D-CED
24	j	309	CLA	CBD-CGD-O2D-CED
24	g	303	CLA	CBD-CGD-O2D-CED
28	b	319	LMT	C7-C8-C9-C10
24	A	802	CLA	C5-C6-C7-C8
24	B	836	CLA	C10-C11-C12-C13
24	B	838	CLA	C5-C6-C7-C8
24	F	201	CLA	C5-C6-C7-C8
24	b	313	CLA	C5-C6-C7-C8
24	b	313	CLA	C8-C10-C11-C12
24	e	605	CLA	C5-C6-C7-C8
24	f	607	CLA	C10-C11-C12-C13
25	B	842	PQN	C18-C20-C21-C22
26	a	301	LHG	C7-C8-C9-C10
26	i	615	LHG	C7-C8-C9-C10
24	a	307	CLA	CBD-CGD-O2D-CED
24	d	301	CLA	CBD-CGD-O2D-CED
24	A	842	CLA	C15-C16-C17-C18
24	B	814	CLA	C8-C10-C11-C12
24	c	604	CLA	C13-C15-C16-C17
24	f	610	CLA	C13-C15-C16-C17
24	A	801	CLA	CBA-CGA-O2A-C1
26	g	321	LHG	C25-C26-C27-C28
24	B	830	CLA	C2-C1-O2A-CGA
24	I	102	CLA	C2-C1-O2A-CGA
24	B	820	CLA	C5-C6-C7-C8
24	B	841	CLA	C13-C15-C16-C17
24	b	309	CLA	C13-C15-C16-C17
24	b	312	CLA	C5-C6-C7-C8
32	F	206	LMG	C10-C11-C12-C13
24	e	607	CLA	CBD-CGD-O2D-CED
24	B	817	CLA	C8-C10-C11-C12
24	A	807	CLA	C8-C10-C11-C12
24	A	826	CLA	C5-C6-C7-C8
24	b	305	CLA	C8-C10-C11-C12
24	h	304	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	f	607	CLA	O1D-CGD-O2D-CED
24	A	812	CLA	C6-C7-C8-C10
24	A	818	CLA	C12-C13-C15-C16
24	A	825	CLA	C11-C12-C13-C15
24	A	836	CLA	C6-C7-C8-C10
24	A	839	CLA	C11-C12-C13-C15
24	A	840	CLA	C11-C12-C13-C15
24	B	803	CLA	C11-C10-C8-C7
24	B	806	CLA	C11-C12-C13-C15
24	B	809	CLA	C11-C12-C13-C15
24	B	812	CLA	C11-C10-C8-C7
24	B	823	CLA	C11-C12-C13-C15
24	F	201	CLA	C6-C7-C8-C10
24	I	102	CLA	C11-C12-C13-C15
24	a	307	CLA	C11-C12-C13-C15
24	b	305	CLA	C12-C13-C15-C16
24	b	312	CLA	C11-C10-C8-C7
24	b	313	CLA	C6-C7-C8-C10
24	h	305	CLA	C6-C7-C8-C10
24	e	606	CLA	C6-C7-C8-C10
24	e	611	CLA	C12-C13-C15-C16
24	k	604	CLA	C11-C12-C13-C15
24	j	314	CLA	C11-C12-C13-C15
25	A	843	PQN	C22-C23-C25-C26
24	A	839	CLA	C3-C5-C6-C7
24	B	838	CLA	O1A-CGA-O2A-C1
24	a	311	CLA	O1A-CGA-O2A-C1
24	b	307	CLA	O1A-CGA-O2A-C1
27	K	103	WVN	C32-C36-C39-C40
27	R	202	WVN	C22-C26-C29-C31
33	a	314	II0	C35-C39-C41-C42
33	k	616	II0	C26-C30-C32-C34
33	i	613	II0	C26-C30-C32-C34
33	d	314	II0	C25-C29-C31-C33
33	g	316	II0	C26-C30-C32-C34
33	g	317	II0	C25-C29-C31-C33
33	g	320	II0	C26-C30-C32-C34
34	O	203	IHT	C23-C27-C30-C32
34	c	615	IHT	C23-C27-C30-C32
34	c	615	IHT	C26-C29-C31-C34
24	A	817	CLA	C2A-CAA-CBA-CGA
24	b	304	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
24	b	313	CLA	C2A-CAA-CBA-CGA
24	h	301	CLA	C2A-CAA-CBA-CGA
24	d	301	CLA	C2A-CAA-CBA-CGA
24	B	810	CLA	O1D-CGD-O2D-CED
24	B	831	CLA	O1D-CGD-O2D-CED
24	a	305	CLA	O1D-CGD-O2D-CED
24	a	306	CLA	O1D-CGD-O2D-CED
24	h	312	CLA	O1D-CGD-O2D-CED
24	k	608	CLA	O1D-CGD-O2D-CED
24	d	305	CLA	O1D-CGD-O2D-CED
24	g	305	CLA	O1D-CGD-O2D-CED
24	A	802	CLA	C8-C10-C11-C12
24	B	833	CLA	C13-C15-C16-C17
24	O	201	CLA	C5-C6-C7-C8
24	c	612	CLA	C8-C10-C11-C12
24	b	309	CLA	C15-C16-C17-C18
35	f	611	KC2	CAA-CBA-CGA-O1A
24	c	612	CLA	O1A-CGA-O2A-C1
24	i	602	CLA	O1A-CGA-O2A-C1
26	c	618	LHG	O10-C23-O8-C6
26	g	321	LHG	O10-C23-O8-C6
24	b	306	CLA	C10-C11-C12-C13
24	A	837	CLA	O1D-CGD-O2D-CED
24	A	829	CLA	C15-C16-C17-C18
24	A	832	CLA	CBA-CGA-O2A-C1
24	A	818	CLA	C2C-C3C-CAC-CBC
24	B	823	CLA	O1A-CGA-O2A-C1
24	F	202	CLA	O1A-CGA-O2A-C1
24	e	607	CLA	O1A-CGA-O2A-C1
30	B	843	DGD	C1B-C2B-C3B-C4B
24	b	309	CLA	C4C-C3C-CAC-CBC
24	A	829	CLA	C8-C10-C11-C12
24	F	201	CLA	C15-C16-C17-C18
24	O	205	CLA	C10-C11-C12-C13
24	b	310	CLA	C13-C15-C16-C17
24	e	611	CLA	C13-C15-C16-C17
24	A	812	CLA	CBD-CGD-O2D-CED
24	A	822	CLA	O1A-CGA-O2A-C1
24	A	841	CLA	O1A-CGA-O2A-C1
24	A	835	CLA	C15-C16-C17-C18
24	A	842	CLA	C8-C10-C11-C12
24	a	307	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
24	b	312	CLA	C10-C11-C12-C13
24	f	602	CLA	C8-C10-C11-C12
26	B	802	LHG	C3-O3-P-O6
26	B	802	LHG	C4-O6-P-O3
26	J	107	LHG	C3-O3-P-O6
26	c	617	LHG	C4-O6-P-O3
26	c	618	LHG	C3-O3-P-O6
26	c	618	LHG	C4-O6-P-O3
26	a	301	LHG	C3-O3-P-O6
26	e	617	LHG	C3-O3-P-O6
26	e	617	LHG	C4-O6-P-O3
26	k	620	LHG	C3-O3-P-O6
26	f	619	LHG	C4-O6-P-O3
26	f	620	LHG	C3-O3-P-O6
26	f	620	LHG	C4-O6-P-O3
26	i	615	LHG	C4-O6-P-O3
26	j	319	LHG	C4-O6-P-O3
26	d	316	LHG	C3-O3-P-O6
26	g	301	LHG	C3-O3-P-O6
26	g	301	LHG	C4-O6-P-O3
26	g	321	LHG	C3-O3-P-O6
26	g	321	LHG	C4-O6-P-O3
24	A	805	CLA	C3-C5-C6-C7
24	f	607	CLA	CBA-CGA-O2A-C1
32	O	204	LMG	C29-C28-O8-C9
24	k	602	CLA	O1D-CGD-O2D-CED
24	B	832	CLA	CBD-CGD-O2D-CED
24	f	602	CLA	O1D-CGD-O2D-CED
24	B	803	CLA	O1D-CGD-O2D-CED
32	b	301	LMG	O9-C10-O7-C8
24	f	602	CLA	C4-C3-C5-C6
24	B	807	CLA	C5-C6-C7-C8
24	O	205	CLA	C13-C15-C16-C17
24	B	826	CLA	C2A-CAA-CBA-CGA
24	L	202	CLA	C2A-CAA-CBA-CGA
24	i	604	CLA	C2A-CAA-CBA-CGA
24	i	611	CLA	C2A-CAA-CBA-CGA
24	j	302	CLA	C2A-CAA-CBA-CGA
24	A	826	CLA	CBA-CGA-O2A-C1
24	L	203	CLA	CBA-CGA-O2A-C1
24	c	602	CLA	CBA-CGA-O2A-C1
24	i	611	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
32	b	301	LMG	C29-C28-O8-C9
24	B	814	CLA	C5-C6-C7-C8
27	B	849	WVN	C32-C36-C39-C40
27	F	204	WVN	C32-C36-C39-C40
27	F	205	WVN	C22-C26-C29-C31
33	a	314	II0	C26-C30-C32-C34
33	a	317	II0	C25-C29-C31-C33
33	e	616	II0	C36-C40-C42-C41
33	j	315	II0	C25-C29-C31-C33
33	j	318	II0	C25-C29-C31-C33
33	g	318	II0	C25-C29-C31-C33
34	a	316	IHT	C23-C27-C30-C32
32	L	208	LMG	C18-C19-C20-C21
26	g	301	LHG	C8-C7-O7-C5
24	B	836	CLA	C5-C6-C7-C8
24	O	205	CLA	C2C-C3C-CAC-CBC
26	f	619	LHG	C30-C31-C32-C33
24	A	831	CLA	O1D-CGD-O2D-CED
24	B	805	CLA	O1D-CGD-O2D-CED
24	f	601	CLA	O1D-CGD-O2D-CED
35	e	609	KC2	C2A-CAA-CBA-CGA
35	k	612	KC2	C2A-CAA-CBA-CGA
24	B	833	CLA	C16-C17-C18-C19
24	b	313	CLA	C16-C17-C18-C19
24	g	306	CLA	CBA-CGA-O2A-C1
24	g	311	CLA	CBA-CGA-O2A-C1
26	A	844	LHG	C11-C12-C13-C14
26	J	107	LHG	C15-C16-C17-C18
26	a	301	LHG	C9-C10-C11-C12
26	i	615	LHG	C27-C28-C29-C30
26	g	301	LHG	O9-C7-O7-C5
32	L	208	LMG	O9-C10-O7-C8
32	J	106	LMG	C13-C14-C15-C16
24	A	841	CLA	O1D-CGD-O2D-CED
24	A	801	CLA	O1A-CGA-O2A-C1
24	f	607	CLA	O1A-CGA-O2A-C1
26	B	802	LHG	C11-C10-C9-C8
28	A	851	LMT	C7-C8-C9-C10
24	B	821	CLA	O1D-CGD-O2D-CED
24	B	822	CLA	O1D-CGD-O2D-CED
31	B	844	LMU	C2'-C1'-O1'-C1
32	b	301	LMG	C2-C1-O1-C7

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Mol	Chain	Res	Type	Atoms
24	f	603	CLA	O1A-CGA-O2A-C1
24	k	609	CLA	C16-C17-C18-C19
24	b	313	CLA	C2-C3-C5-C6
24	B	801	CLA	C11-C12-C13-C14
24	B	803	CLA	C11-C10-C8-C9
24	B	808	CLA	C11-C10-C8-C9
24	F	201	CLA	C6-C7-C8-C9
24	A	818	CLA	C4C-C3C-CAC-CBC
26	d	316	LHG	C25-C26-C27-C28
32	L	208	LMG	C19-C20-C21-C22
24	b	310	CLA	C15-C16-C17-C18
35	c	610	KC2	CAA-CBA-CGA-O1A
24	A	808	CLA	C2A-CAA-CBA-CGA
24	A	815	CLA	C2A-CAA-CBA-CGA
24	A	828	CLA	C2A-CAA-CBA-CGA
24	B	815	CLA	C2A-CAA-CBA-CGA
24	B	816	CLA	C2A-CAA-CBA-CGA
24	B	840	CLA	C2A-CAA-CBA-CGA
24	A	826	CLA	O1A-CGA-O2A-C1
32	O	204	LMG	O10-C28-O8-C9
32	b	301	LMG	O10-C28-O8-C9
27	A	846	WVN	C20-C23-C25-C27
27	A	847	WVN	C29-C31-C32-C35
27	I	101	WVN	C29-C31-C32-C35
27	J	101	WVN	C20-C23-C25-C27
27	L	201	WVN	C20-C23-C25-C27
33	O	202	II0	C31-C33-C35-C37
33	a	314	II0	C32-C34-C36-C38
33	h	309	II0	C32-C34-C36-C38
33	j	318	II0	C32-C34-C36-C38
34	a	316	IHT	C30-C32-C33-C36
24	B	840	CLA	C2C-C3C-CAC-CBC
27	A	846	WVN	C20-C23-C25-C28
27	A	847	WVN	C29-C31-C32-C36
27	F	204	WVN	C29-C31-C32-C36
27	I	101	WVN	C29-C31-C32-C36
27	J	101	WVN	C20-C23-C25-C28
33	a	314	II0	C32-C34-C36-C40
33	h	309	II0	C32-C34-C36-C40
33	h	311	II0	C31-C33-C35-C39
33	j	318	II0	C32-C34-C36-C40
34	c	615	IHT	C31-C34-C35-C38

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Mol	Chain	Res	Type	Atoms
34	a	316	IHT	C30-C32-C33-C37
24	A	809	CLA	C5-C6-C7-C8
32	L	208	LMG	C11-C10-O7-C8
26	f	619	LHG	C10-C11-C12-C13
24	B	816	CLA	CBD-CGD-O2D-CED
24	e	608	CLA	O1D-CGD-O2D-CED
31	B	844	LMU	C4-C5-C6-C7
24	B	813	CLA	C11-C12-C13-C15
25	A	843	PQN	C26-C27-C28-C29
26	c	617	LHG	C5-C6-O8-C23
31	B	844	LMU	O5'-C1'-O1'-C1
32	b	301	LMG	O6-C1-O1-C7
24	A	840	CLA	C10-C11-C12-C13
24	B	825	CLA	C13-C15-C16-C17
24	b	309	CLA	C5-C6-C7-C8
24	f	613	CLA	C10-C11-C12-C13
26	f	619	LHG	C26-C27-C28-C29
28	b	319	LMT	C4-C5-C6-C7
32	L	208	LMG	C32-C33-C34-C35
24	c	602	CLA	CBD-CGD-O2D-CED
24	a	303	CLA	CBD-CGD-O2D-CED
24	A	832	CLA	O1D-CGD-O2D-CED
26	f	619	LHG	C28-C29-C30-C31
28	b	319	LMT	C3-C4-C5-C6
32	F	206	LMG	C11-C12-C13-C14
24	A	829	CLA	C5-C6-C7-C8
24	B	807	CLA	C15-C16-C17-C18
24	A	832	CLA	O1A-CGA-O2A-C1
32	L	208	LMG	C34-C35-C36-C37
24	A	802	CLA	O1D-CGD-O2D-CED
24	b	313	CLA	C3-C5-C6-C7
24	A	828	CLA	CBA-CGA-O2A-C1
24	A	817	CLA	O1D-CGD-O2D-CED
24	c	601	CLA	O1D-CGD-O2D-CED
24	A	814	CLA	C3A-C2A-CAA-CBA
24	A	816	CLA	C3A-C2A-CAA-CBA
24	A	831	CLA	C3A-C2A-CAA-CBA
24	A	834	CLA	C3A-C2A-CAA-CBA
24	A	841	CLA	C3A-C2A-CAA-CBA
24	A	842	CLA	C3A-C2A-CAA-CBA
24	B	812	CLA	C3A-C2A-CAA-CBA
24	B	813	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	B	832	CLA	C3A-C2A-CAA-CBA
24	B	839	CLA	C3A-C2A-CAA-CBA
24	J	105	CLA	C3A-C2A-CAA-CBA
24	O	201	CLA	C3A-C2A-CAA-CBA
24	O	205	CLA	C3A-C2A-CAA-CBA
24	a	306	CLA	C3A-C2A-CAA-CBA
24	a	307	CLA	C3A-C2A-CAA-CBA
24	h	306	CLA	C3A-C2A-CAA-CBA
24	e	608	CLA	C3A-C2A-CAA-CBA
24	k	614	CLA	C3A-C2A-CAA-CBA
24	i	608	CLA	C3A-C2A-CAA-CBA
24	j	307	CLA	C3A-C2A-CAA-CBA
24	d	312	CLA	C3A-C2A-CAA-CBA
24	g	306	CLA	C3A-C2A-CAA-CBA
24	f	613	CLA	C8-C10-C11-C12
24	A	814	CLA	O1D-CGD-O2D-CED
24	A	853	CLA	O1D-CGD-O2D-CED
24	h	305	CLA	O1D-CGD-O2D-CED
24	j	308	CLA	O1D-CGD-O2D-CED
24	A	835	CLA	C16-C17-C18-C19
24	B	824	CLA	C16-C17-C18-C19
24	B	833	CLA	C16-C17-C18-C20
24	k	609	CLA	C16-C17-C18-C20
25	A	843	PQN	C26-C27-C28-C30
24	A	841	CLA	C4-C3-C5-C6
24	B	820	CLA	C4-C3-C5-C6
24	b	313	CLA	C4-C3-C5-C6
24	A	805	CLA	CBA-CGA-O2A-C1
24	L	207	CLA	CBA-CGA-O2A-C1
24	A	812	CLA	C2-C3-C5-C6
24	A	828	CLA	C2-C3-C5-C6
24	A	818	CLA	O1D-CGD-O2D-CED
24	B	837	CLA	C2A-CAA-CBA-CGA
26	A	845	LHG	O1-C1-C2-O2
26	f	619	LHG	O1-C1-C2-O2
24	k	602	CLA	C2C-C3C-CAC-CBC
28	A	851	LMT	C3-C4-C5-C6
24	c	602	CLA	O1A-CGA-O2A-C1
24	i	611	CLA	O1A-CGA-O2A-C1
26	f	620	LHG	C7-C8-C9-C10
24	b	313	CLA	C16-C17-C18-C20
24	A	840	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
24	L	203	CLA	C3-C5-C6-C7
24	e	602	CLA	CBA-CGA-O2A-C1
24	a	302	CLA	C2C-C3C-CAC-CBC
24	L	203	CLA	O1A-CGA-O2A-C1
24	g	306	CLA	O1A-CGA-O2A-C1
24	A	818	CLA	C13-C15-C16-C17
28	A	851	LMT	C1-C2-C3-C4
24	h	302	CLA	C2-C1-O2A-CGA
24	f	602	CLA	C2-C1-O2A-CGA
24	A	839	CLA	O1A-CGA-O2A-C1
24	e	602	CLA	O1A-CGA-O2A-C1
24	e	605	CLA	C3-C5-C6-C7
27	A	846	WVN	C06-C13-C20-C23
27	A	846	WVN	C15-C13-C20-C23
27	A	847	WVN	C06-C13-C20-C23
27	A	847	WVN	C15-C13-C20-C23
27	A	850	WVN	C15-C13-C20-C23
27	B	845	WVN	C15-C13-C20-C23
27	B	847	WVN	C06-C13-C20-C23
27	B	848	WVN	C06-C13-C20-C23
27	B	849	WVN	C15-C13-C20-C23
27	J	101	WVN	C06-C13-C20-C23
27	J	102	WVN	C15-C13-C20-C23
27	L	205	WVN	C15-C13-C20-C23
27	M	101	WVN	C06-C13-C20-C23
27	M	101	WVN	C15-C13-C20-C23
27	K	103	WVN	C06-C13-C20-C23
27	e	615	WVN	C06-C13-C20-C23
34	O	203	IHT	C02-C07-C18-C22
34	a	316	IHT	C10-C07-C18-C22
34	b	316	IHT	C10-C07-C18-C22
34	k	618	IHT	C10-C07-C18-C22
34	f	617	IHT	C02-C07-C18-C22
34	g	319	IHT	C10-C07-C18-C22
24	c	606	CLA	CBA-CGA-O2A-C1
24	a	309	CLA	CBA-CGA-O2A-C1
24	f	612	CLA	CBA-CGA-O2A-C1
24	i	601	CLA	CBA-CGA-O2A-C1
24	f	602	CLA	C10-C11-C12-C13
26	B	802	LHG	C9-C10-C11-C12
31	B	844	LMU	C1-C2-C3-C4
24	B	836	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
32	F	206	LMG	O6-C5-C6-O5
26	f	619	LHG	C9-C10-C11-C12
24	A	818	CLA	C11-C12-C13-C15
24	A	824	CLA	C11-C12-C13-C15
24	A	826	CLA	C12-C13-C15-C16
24	A	827	CLA	C12-C13-C15-C16
24	A	831	CLA	C11-C12-C13-C15
24	A	840	CLA	C12-C13-C15-C16
24	A	841	CLA	C2-C3-C5-C6
24	A	841	CLA	C6-C7-C8-C10
24	B	801	CLA	C11-C10-C8-C7
24	B	803	CLA	C11-C12-C13-C15
24	B	807	CLA	C6-C7-C8-C10
24	B	808	CLA	C11-C10-C8-C7
24	B	820	CLA	C2-C3-C5-C6
24	B	835	CLA	C6-C7-C8-C10
24	F	201	CLA	C11-C10-C8-C7
24	L	203	CLA	C12-C13-C15-C16
24	a	305	CLA	C11-C12-C13-C15
24	b	310	CLA	C11-C10-C8-C7
24	b	310	CLA	C12-C13-C15-C16
24	b	312	CLA	C12-C13-C15-C16
24	h	312	CLA	C11-C10-C8-C7
24	e	607	CLA	C12-C13-C15-C16
24	e	610	CLA	C11-C10-C8-C7
24	e	611	CLA	C6-C7-C8-C10
24	k	609	CLA	C11-C12-C13-C15
24	k	609	CLA	C12-C13-C15-C16
24	f	602	CLA	C12-C13-C15-C16
24	f	610	CLA	C12-C13-C15-C16
24	j	311	CLA	C11-C12-C13-C15
24	d	303	CLA	C6-C7-C8-C10
24	g	308	CLA	C6-C7-C8-C10
24	A	828	CLA	O1A-CGA-O2A-C1
24	L	207	CLA	O1A-CGA-O2A-C1
24	g	311	CLA	O1A-CGA-O2A-C1
27	I	101	WVN	C32-C36-C39-C40
33	a	317	II0	C36-C40-C42-C41
24	A	840	CLA	C16-C17-C18-C20
24	I	102	CLA	O1D-CGD-O2D-CED
24	b	303	CLA	O1D-CGD-O2D-CED
24	h	303	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
24	A	809	CLA	CBA-CGA-O2A-C1
24	A	812	CLA	CBA-CGA-O2A-C1
24	B	826	CLA	CBA-CGA-O2A-C1
24	O	201	CLA	CBA-CGA-O2A-C1
24	d	306	CLA	CBA-CGA-O2A-C1
32	b	301	LMG	C34-C35-C36-C37
24	A	838	CLA	C2A-CAA-CBA-CGA
24	A	852	CLA	C2A-CAA-CBA-CGA
24	B	801	CLA	C2A-CAA-CBA-CGA
24	d	306	CLA	C2A-CAA-CBA-CGA
24	A	811	CLA	O1D-CGD-O2D-CED
24	A	841	CLA	C10-C11-C12-C13
32	J	106	LMG	C20-C21-C22-C23
35	i	616	KC2	C2B-C3B-CAB-CBB
35	d	311	KC2	C2C-C3C-CAC-CBC
24	B	809	CLA	C3-C5-C6-C7
25	A	843	PQN	C13-C15-C16-C17
24	A	812	CLA	O1A-CGA-O2A-C1
24	B	829	CLA	CBA-CGA-O2A-C1
24	B	807	CLA	C16-C17-C18-C19
24	A	840	CLA	C8-C10-C11-C12
26	c	618	LHG	C8-C7-O7-C5
35	k	612	KC2	C4B-C3B-CAB-CBB
35	f	611	KC2	C4C-C3C-CAC-CBC
35	d	311	KC2	C4C-C3C-CAC-CBC
24	b	305	CLA	C10-C11-C12-C13
24	g	305	CLA	C2C-C3C-CAC-CBC
26	B	802	LHG	C16-C17-C18-C19
24	B	836	CLA	C15-C16-C17-C18
32	F	206	LMG	O7-C8-C9-O8
24	d	301	CLA	O1D-CGD-O2D-CED
24	B	837	CLA	C16-C17-C18-C19
32	O	204	LMG	O6-C5-C6-O5
24	A	818	CLA	C8-C10-C11-C12
24	B	805	CLA	C10-C11-C12-C13
24	B	835	CLA	C10-C11-C12-C13
24	A	828	CLA	C4-C3-C5-C6
24	a	308	CLA	C2-C3-C5-C6
33	a	313	II0	C09-C21-C23-C25
33	b	315	II0	C10-C22-C24-C26
33	f	615	II0	C09-C21-C23-C25
33	i	612	II0	C10-C22-C24-C26

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Mol	Chain	Res	Type	Atoms
33	d	315	II0	C10-C22-C24-C26
33	g	316	II0	C10-C22-C24-C26
24	k	614	CLA	C4C-C3C-CAC-CBC
24	A	802	CLA	C11-C12-C13-C14
24	A	806	CLA	C6-C7-C8-C9
24	A	808	CLA	C6-C7-C8-C9
24	A	810	CLA	C11-C10-C8-C9
24	A	810	CLA	C11-C12-C13-C14
24	A	812	CLA	C6-C7-C8-C9
24	A	818	CLA	C11-C12-C13-C14
24	A	839	CLA	C11-C12-C13-C14
24	A	840	CLA	C11-C12-C13-C14
24	A	853	CLA	C11-C10-C8-C9
24	B	803	CLA	C6-C7-C8-C9
24	B	806	CLA	C11-C12-C13-C14
24	B	809	CLA	C11-C12-C13-C14
24	B	812	CLA	C11-C10-C8-C9
24	B	816	CLA	C11-C10-C8-C9
24	B	823	CLA	C11-C10-C8-C9
24	B	833	CLA	C14-C13-C15-C16
24	B	835	CLA	C6-C7-C8-C9
24	I	102	CLA	C11-C12-C13-C14
24	a	305	CLA	C11-C12-C13-C14
24	a	307	CLA	C11-C12-C13-C14
24	b	312	CLA	C11-C12-C13-C14
24	b	312	CLA	C14-C13-C15-C16
24	b	313	CLA	C6-C7-C8-C9
24	h	312	CLA	C11-C10-C8-C9
24	e	610	CLA	C11-C10-C8-C9
24	e	611	CLA	C6-C7-C8-C9
24	k	609	CLA	C11-C12-C13-C14
24	f	613	CLA	C6-C7-C8-C9
24	g	307	CLA	CBD-CGD-O2D-CED
24	f	602	CLA	C2A-CAA-CBA-CGA
24	i	601	CLA	C2A-CAA-CBA-CGA
24	R	203	CLA	C2A-CAA-CBA-CGA
32	F	206	LMG	C19-C20-C21-C22
27	A	849	WVN	C20-C23-C25-C27
27	J	101	WVN	C11-C19-C22-C24
27	j	301	WVN	C11-C19-C22-C24
34	b	317	IHT	C18-C22-C23-C25
27	B	847	WVN	C30-C33-C34-C37

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Mol	Chain	Res	Type	Atoms
27	B	848	WVN	C30-C33-C34-C37
27	j	301	WVN	C11-C19-C22-C26
24	A	805	CLA	O1A-CGA-O2A-C1
24	O	201	CLA	O1A-CGA-O2A-C1
24	a	309	CLA	O1A-CGA-O2A-C1
24	f	612	CLA	O1A-CGA-O2A-C1
24	i	601	CLA	O1A-CGA-O2A-C1
24	A	804	CLA	C1A-C2A-CAA-CBA
24	A	808	CLA	C1A-C2A-CAA-CBA
24	A	809	CLA	C1A-C2A-CAA-CBA
24	A	814	CLA	C1A-C2A-CAA-CBA
24	A	818	CLA	C1A-C2A-CAA-CBA
24	A	819	CLA	C1A-C2A-CAA-CBA
24	A	831	CLA	C1A-C2A-CAA-CBA
24	A	833	CLA	C1A-C2A-CAA-CBA
24	A	834	CLA	C1A-C2A-CAA-CBA
24	A	837	CLA	C1A-C2A-CAA-CBA
24	A	841	CLA	C1A-C2A-CAA-CBA
24	A	855	CLA	C1A-C2A-CAA-CBA
24	B	805	CLA	C1A-C2A-CAA-CBA
24	B	812	CLA	C1A-C2A-CAA-CBA
24	B	813	CLA	C1A-C2A-CAA-CBA
24	B	817	CLA	C1A-C2A-CAA-CBA
24	B	825	CLA	C1A-C2A-CAA-CBA
24	J	105	CLA	C1A-C2A-CAA-CBA
24	L	207	CLA	C1A-C2A-CAA-CBA
24	c	602	CLA	C1A-C2A-CAA-CBA
24	c	606	CLA	C1A-C2A-CAA-CBA
24	c	608	CLA	C1A-C2A-CAA-CBA
24	c	612	CLA	C1A-C2A-CAA-CBA
24	a	306	CLA	C1A-C2A-CAA-CBA
24	a	307	CLA	C1A-C2A-CAA-CBA
24	a	309	CLA	C1A-C2A-CAA-CBA
24	a	311	CLA	C1A-C2A-CAA-CBA
24	b	304	CLA	C1A-C2A-CAA-CBA
24	b	308	CLA	C1A-C2A-CAA-CBA
24	b	312	CLA	C1A-C2A-CAA-CBA
24	h	301	CLA	C1A-C2A-CAA-CBA
24	h	306	CLA	C1A-C2A-CAA-CBA
24	h	307	CLA	C1A-C2A-CAA-CBA
24	e	610	CLA	C1A-C2A-CAA-CBA
24	k	607	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	f	601	CLA	C1A-C2A-CAA-CBA
24	f	602	CLA	C1A-C2A-CAA-CBA
24	f	605	CLA	C1A-C2A-CAA-CBA
24	i	601	CLA	C1A-C2A-CAA-CBA
24	i	602	CLA	C1A-C2A-CAA-CBA
24	i	610	CLA	C1A-C2A-CAA-CBA
24	j	302	CLA	C1A-C2A-CAA-CBA
24	j	307	CLA	C1A-C2A-CAA-CBA
24	d	301	CLA	C1A-C2A-CAA-CBA
24	d	312	CLA	C1A-C2A-CAA-CBA
24	g	303	CLA	C1A-C2A-CAA-CBA
24	g	306	CLA	C1A-C2A-CAA-CBA
24	B	807	CLA	C16-C17-C18-C20
26	c	618	LHG	O9-C7-O7-C5
27	A	850	WVN	C34-C37-C40-C39
27	B	849	WVN	C22-C26-C29-C31
33	a	314	II0	C36-C40-C42-C41
33	f	618	II0	C35-C39-C41-C42
33	i	612	II0	C25-C29-C31-C33
34	g	319	IHT	C35-C38-C41-C40
24	f	613	CLA	C15-C16-C17-C18
28	b	319	LMT	C2-C3-C4-C5
26	f	620	LHG	C23-C24-C25-C26
24	e	607	CLA	O1D-CGD-O2D-CED
24	A	806	CLA	C8-C10-C11-C12
24	B	823	CLA	C5-C6-C7-C8
24	L	204	CLA	O1D-CGD-O2D-CED
24	B	837	CLA	C16-C17-C18-C20
32	L	208	LMG	C36-C37-C38-C39
24	d	306	CLA	O1A-CGA-O2A-C1
26	g	301	LHG	C1-C2-C3-O3
25	B	842	PQN	C14-C13-C15-C16
24	J	103	CLA	C3A-C2A-CAA-CBA
24	b	313	CLA	C10-C11-C12-C13
24	g	322	CLA	C15-C16-C17-C18
24	c	606	CLA	O1A-CGA-O2A-C1
32	F	206	LMG	C15-C16-C17-C18
24	B	801	CLA	C16-C17-C18-C20
24	B	830	CLA	C16-C17-C18-C19
24	b	306	CLA	C16-C17-C18-C20
26	J	107	LHG	C4-C5-C6-O8
32	O	204	LMG	C7-C8-C9-O8

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Mol	Chain	Res	Type	Atoms
35	g	314	KC2	CAA-CBA-CGA-O1A
24	b	308	CLA	C5-C6-C7-C8
24	g	303	CLA	O1D-CGD-O2D-CED
24	B	823	CLA	C8-C10-C11-C12
24	i	606	CLA	C14-C13-C15-C16
24	j	311	CLA	C14-C13-C15-C16
32	J	106	LMG	C18-C19-C20-C21
24	B	805	CLA	CAA-CBA-CGA-O2A
24	R	203	CLA	CAA-CBA-CGA-O2A
24	a	310	CLA	O1D-CGD-O2D-CED
24	B	806	CLA	O1A-CGA-O2A-C1
24	B	829	CLA	O1A-CGA-O2A-C1
24	a	312	CLA	O2A-C1-C2-C3
24	B	814	CLA	C11-C12-C13-C14
32	L	208	LMG	C22-C23-C24-C25
26	b	302	LHG	C8-C7-O7-C5
28	a	318	LMT	O5'-C5'-C6'-O6'
24	g	311	CLA	C6-C7-C8-C9
26	f	619	LHG	C31-C32-C33-C34
24	A	812	CLA	C16-C17-C18-C20
24	A	840	CLA	C16-C17-C18-C19
24	k	608	CLA	C16-C17-C18-C20
24	A	806	CLA	CBA-CGA-O2A-C1
24	B	806	CLA	CBA-CGA-O2A-C1
24	h	312	CLA	CBA-CGA-O2A-C1
24	g	307	CLA	CBA-CGA-O2A-C1
24	b	309	CLA	CBD-CGD-O2D-CED
24	R	203	CLA	CBD-CGD-O2D-CED
24	F	202	CLA	C2-C1-O2A-CGA
24	j	309	CLA	O1D-CGD-O2D-CED
26	J	107	LHG	C14-C15-C16-C17
26	b	320	LHG	C12-C13-C14-C15
24	c	602	CLA	O1D-CGD-O2D-CED
26	f	620	LHG	C34-C35-C36-C37
24	A	817	CLA	CBA-CGA-O2A-C1
26	g	301	LHG	C24-C23-O8-C6
24	B	838	CLA	CAA-CBA-CGA-O2A
26	b	320	LHG	O2-C2-C3-O3
24	A	840	CLA	O1D-CGD-O2D-CED
24	B	801	CLA	O1D-CGD-O2D-CED
24	a	307	CLA	O1D-CGD-O2D-CED
24	A	809	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
26	g	301	LHG	O10-C23-O8-C6
26	b	320	LHG	C7-C8-C9-C10
24	A	806	CLA	C15-C16-C17-C18
24	A	829	CLA	C10-C11-C12-C13
24	A	842	CLA	C10-C11-C12-C13
24	a	307	CLA	C13-C15-C16-C17
24	g	307	CLA	CAA-CBA-CGA-O2A
24	g	307	CLA	O1A-CGA-O2A-C1
24	B	801	CLA	C16-C17-C18-C19
26	B	802	LHG	C10-C11-C12-C13
24	A	802	CLA	C11-C12-C13-C15
24	A	806	CLA	C6-C7-C8-C10
24	A	810	CLA	C11-C12-C13-C15
24	A	812	CLA	C11-C12-C13-C15
24	A	812	CLA	C12-C13-C15-C16
24	A	825	CLA	C11-C10-C8-C7
24	A	829	CLA	C11-C10-C8-C7
24	A	853	CLA	C11-C10-C8-C7
24	A	853	CLA	C11-C12-C13-C15
24	A	855	CLA	C6-C7-C8-C10
24	A	855	CLA	C11-C10-C8-C7
24	B	803	CLA	C6-C7-C8-C10
24	B	805	CLA	C11-C12-C13-C15
24	B	807	CLA	C11-C10-C8-C7
24	B	814	CLA	C6-C7-C8-C10
24	B	816	CLA	C11-C10-C8-C7
24	B	818	CLA	C11-C12-C13-C15
24	B	832	CLA	C11-C10-C8-C7
24	B	833	CLA	C12-C13-C15-C16
24	B	836	CLA	C12-C13-C15-C16
24	B	837	CLA	C11-C10-C8-C7
24	B	837	CLA	C11-C12-C13-C15
24	B	838	CLA	C11-C10-C8-C7
24	B	839	CLA	C11-C10-C8-C7
24	F	201	CLA	C11-C12-C13-C15
24	O	205	CLA	C6-C7-C8-C10
24	c	608	CLA	C11-C10-C8-C7
24	c	608	CLA	C12-C13-C15-C16
24	c	612	CLA	C12-C13-C15-C16
24	a	308	CLA	C6-C7-C8-C10
24	a	310	CLA	C6-C7-C8-C10
24	b	306	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
24	b	307	CLA	C11-C10-C8-C7
24	b	309	CLA	C12-C13-C15-C16
24	b	312	CLA	C6-C7-C8-C10
24	b	312	CLA	C11-C12-C13-C15
24	h	306	CLA	C6-C7-C8-C10
24	h	312	CLA	C12-C13-C15-C16
24	e	606	CLA	C11-C10-C8-C7
24	f	607	CLA	C11-C12-C13-C15
24	f	608	CLA	C12-C13-C15-C16
24	f	610	CLA	C11-C12-C13-C15
24	f	613	CLA	C6-C7-C8-C10
24	i	604	CLA	C11-C10-C8-C7
24	j	311	CLA	C11-C10-C8-C7
24	d	303	CLA	C12-C13-C15-C16
24	g	305	CLA	C11-C10-C8-C7
24	g	322	CLA	C12-C13-C15-C16
24	A	818	CLA	C14-C13-C15-C16
24	A	824	CLA	C11-C10-C8-C9
24	A	825	CLA	C11-C10-C8-C9
24	A	841	CLA	C14-C13-C15-C16
24	A	855	CLA	C6-C7-C8-C9
24	B	805	CLA	C14-C13-C15-C16
24	B	806	CLA	C11-C10-C8-C9
24	B	813	CLA	C6-C7-C8-C9
24	B	814	CLA	C6-C7-C8-C9
24	B	818	CLA	C11-C12-C13-C14
24	B	822	CLA	C6-C7-C8-C9
24	B	832	CLA	C11-C10-C8-C9
24	B	836	CLA	C11-C12-C13-C14
24	B	838	CLA	C11-C10-C8-C9
24	O	205	CLA	C6-C7-C8-C9
24	a	308	CLA	C11-C10-C8-C9
24	a	308	CLA	C14-C13-C15-C16
24	b	306	CLA	C11-C12-C13-C14
24	h	305	CLA	C11-C12-C13-C14
24	e	604	CLA	C6-C7-C8-C9
24	e	611	CLA	C14-C13-C15-C16
24	i	604	CLA	C11-C10-C8-C9
24	j	314	CLA	C6-C7-C8-C9
24	g	322	CLA	C14-C13-C15-C16
27	I	101	WVN	C34-C37-C40-C39
27	h	308	WVN	C25-C28-C30-C33

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Mol	Chain	Res	Type	Atoms
35	f	611	KC2	CBD-CGD-O2D-CED
24	c	605	CLA	C2A-CAA-CBA-CGA
24	B	820	CLA	O1D-CGD-O2D-CED
27	A	850	WVN	C20-C23-C25-C27
27	F	204	WVN	C30-C33-C34-C38
27	L	206	WVN	C20-C23-C25-C27
27	R	202	WVN	C11-C19-C22-C24
33	b	318	IIO	C32-C34-C36-C38
34	k	618	IHT	C18-C22-C23-C25
34	g	319	IHT	C30-C32-C33-C36
32	J	106	LMG	C41-C42-C43-C44
27	A	849	WVN	C20-C23-C25-C28
27	A	850	WVN	C20-C23-C25-C28
27	K	103	WVN	C20-C23-C25-C28
27	R	202	WVN	C11-C19-C22-C26
34	b	317	IHT	C30-C32-C33-C37
34	k	618	IHT	C18-C22-C23-C27
26	f	619	LHG	C1-C2-C3-O3
24	k	605	CLA	C4C-C3C-CAC-CBC
24	B	826	CLA	O1A-CGA-O2A-C1
24	A	835	CLA	C13-C15-C16-C17
24	B	835	CLA	C8-C10-C11-C12
26	f	620	LHG	C31-C32-C33-C34
24	k	606	CLA	CAA-CBA-CGA-O2A
35	c	610	KC2	CBD-CGD-O2D-CED
26	b	320	LHG	C9-C10-C11-C12
24	b	310	CLA	C16-C17-C18-C20
24	B	821	CLA	CBA-CGA-O2A-C1
24	A	801	CLA	CAA-CBA-CGA-O2A
24	a	303	CLA	O1D-CGD-O2D-CED
26	J	107	LHG	C7-C8-C9-C10
26	a	301	LHG	C27-C28-C29-C30
24	A	827	CLA	O1D-CGD-O2D-CED
26	b	302	LHG	O9-C7-O7-C5
24	b	308	CLA	C14-C13-C15-C16
26	f	619	LHG	C11-C12-C13-C14
24	b	310	CLA	C16-C17-C18-C19
24	I	102	CLA	CBA-CGA-O2A-C1
26	J	107	LHG	C29-C30-C31-C32
24	A	802	CLA	C3A-C2A-CAA-CBA
24	B	831	CLA	C3A-C2A-CAA-CBA
24	B	836	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	B	840	CLA	C3A-C2A-CAA-CBA
24	c	601	CLA	C3A-C2A-CAA-CBA
24	f	601	CLA	C3A-C2A-CAA-CBA
24	g	308	CLA	C3A-C2A-CAA-CBA
33	h	311	II0	C26-C30-C32-C34
33	i	612	II0	C35-C39-C41-C42
24	B	836	CLA	C4C-C3C-CAC-CBC
35	j	312	KC2	CAA-CBA-CGA-O2A
24	B	830	CLA	C16-C17-C18-C20
24	B	832	CLA	O1D-CGD-O2D-CED
24	A	829	CLA	CBA-CGA-O2A-C1
24	a	312	CLA	CBA-CGA-O2A-C1
24	b	304	CLA	CBA-CGA-O2A-C1
24	b	311	CLA	CBA-CGA-O2A-C1
26	g	301	LHG	C4-C5-C6-O8
26	g	321	LHG	C4-C5-C6-O8
32	F	206	LMG	C7-C8-C9-O8
24	I	102	CLA	O2A-C1-C2-C3
24	j	305	CLA	C3-C5-C6-C7
24	b	312	CLA	C15-C16-C17-C18
24	O	205	CLA	C16-C17-C18-C19
24	A	832	CLA	C4C-C3C-CAC-CBC
24	B	803	CLA	C5-C6-C7-C8
24	B	811	CLA	C2A-CAA-CBA-CGA
24	A	842	CLA	C13-C15-C16-C17
24	A	853	CLA	C8-C10-C11-C12
24	A	817	CLA	O1A-CGA-O2A-C1
35	i	609	KC2	C3A-C2A-CAA-CBA
24	B	812	CLA	C16-C17-C18-C20
24	B	824	CLA	C16-C17-C18-C20
24	d	303	CLA	C16-C17-C18-C20
26	J	107	LHG	C12-C13-C14-C15
24	A	806	CLA	O1A-CGA-O2A-C1
24	h	312	CLA	O1A-CGA-O2A-C1
26	b	320	LHG	C29-C30-C31-C32
24	i	604	CLA	C2C-C3C-CAC-CBC
26	g	321	LHG	O7-C5-C6-O8
27	B	848	WVN	C25-C28-C30-C33
24	B	838	CLA	C8-C10-C11-C12
24	A	806	CLA	C16-C17-C18-C20
24	A	812	CLA	C16-C17-C18-C19
24	A	835	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
24	B	813	CLA	C11-C12-C13-C14
24	B	839	CLA	C16-C17-C18-C19
24	b	306	CLA	C16-C17-C18-C19
24	h	305	CLA	C16-C17-C18-C20
24	g	322	CLA	C16-C17-C18-C20
25	B	842	PQN	C26-C27-C28-C29
24	g	305	CLA	C4C-C3C-CAC-CBC
26	k	620	LHG	C26-C27-C28-C29
26	b	320	LHG	C1-C2-C3-O3
24	b	309	CLA	C4-C3-C5-C6
24	A	832	CLA	C2-C1-O2A-CGA
24	B	805	CLA	C2-C1-O2A-CGA
24	B	836	CLA	C2-C1-O2A-CGA
24	b	311	CLA	C2-C1-O2A-CGA
24	k	601	CLA	C2-C1-O2A-CGA
24	A	808	CLA	C11-C12-C13-C14
24	A	825	CLA	C14-C13-C15-C16
24	A	829	CLA	C11-C10-C8-C9
24	A	831	CLA	C14-C13-C15-C16
24	A	835	CLA	C6-C7-C8-C9
24	A	842	CLA	C6-C7-C8-C9
24	B	806	CLA	C14-C13-C15-C16
24	B	807	CLA	C11-C10-C8-C9
24	B	813	CLA	C11-C10-C8-C9
24	B	818	CLA	C14-C13-C15-C16
24	B	835	CLA	C11-C10-C8-C9
24	B	835	CLA	C11-C12-C13-C14
24	B	839	CLA	C11-C10-C8-C9
24	c	612	CLA	C6-C7-C8-C9
24	f	610	CLA	C11-C10-C8-C9
24	f	613	CLA	C14-C13-C15-C16
24	j	305	CLA	C14-C13-C15-C16
24	d	303	CLA	C11-C10-C8-C9
24	g	305	CLA	C11-C10-C8-C9
28	a	318	LMT	C5-C6-C7-C8
24	c	601	CLA	C4-C3-C5-C6
26	B	802	LHG	C5-C4-O6-P
24	B	804	CLA	C2A-CAA-CBA-CGA
24	B	803	CLA	C16-C17-C18-C20
24	B	815	CLA	C6-C7-C8-C9
24	e	610	CLA	C16-C17-C18-C20
24	A	826	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
34	O	203	IHT	C10-C07-C18-C22
34	j	317	IHT	C10-C07-C18-C22
26	J	107	LHG	C34-C35-C36-C37
27	A	848	WVN	C29-C31-C32-C35
27	F	205	WVN	C30-C33-C34-C38
33	h	310	II0	C31-C33-C35-C37
34	b	317	IHT	C30-C32-C33-C36
24	B	816	CLA	O1D-CGD-O2D-CED
27	A	846	WVN	C11-C19-C22-C26
27	A	848	WVN	C29-C31-C32-C36
27	L	206	WVN	C20-C23-C25-C28
27	R	201	WVN	C20-C23-C25-C28
27	R	201	WVN	C30-C33-C34-C37
24	h	305	CLA	C16-C17-C18-C19
32	J	106	LMG	C42-C43-C44-C45
26	b	320	LHG	C28-C29-C30-C31
24	I	102	CLA	O1A-CGA-O2A-C1
24	B	812	CLA	C4-C3-C5-C6
24	A	816	CLA	C11-C10-C8-C7
24	A	817	CLA	C11-C10-C8-C7
24	A	817	CLA	C11-C12-C13-C15
24	A	824	CLA	C11-C10-C8-C7
24	A	827	CLA	C11-C12-C13-C15
24	A	835	CLA	C6-C7-C8-C10
24	A	837	CLA	C12-C13-C15-C16
24	A	839	CLA	C6-C7-C8-C10
24	A	839	CLA	C11-C10-C8-C7
24	A	839	CLA	C12-C13-C15-C16
24	A	853	CLA	C12-C13-C15-C16
24	B	806	CLA	C12-C13-C15-C16
24	B	812	CLA	C12-C13-C15-C16
24	B	813	CLA	C6-C7-C8-C10
24	B	817	CLA	C11-C10-C8-C7
24	B	818	CLA	C12-C13-C15-C16
24	B	822	CLA	C6-C7-C8-C10
24	B	825	CLA	C6-C7-C8-C10
24	B	835	CLA	C11-C10-C8-C7
24	B	836	CLA	C11-C12-C13-C15
24	F	201	CLA	C12-C13-C15-C16
24	L	203	CLA	C6-C7-C8-C10
24	O	201	CLA	C11-C10-C8-C7
24	a	308	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
24	a	308	CLA	C12-C13-C15-C16
24	b	305	CLA	C11-C12-C13-C15
24	b	309	CLA	C11-C12-C13-C15
24	h	305	CLA	C11-C10-C8-C7
24	h	305	CLA	C11-C12-C13-C15
24	e	604	CLA	C6-C7-C8-C10
24	e	605	CLA	C6-C7-C8-C10
24	k	609	CLA	C6-C7-C8-C10
24	f	609	CLA	C11-C10-C8-C7
24	f	613	CLA	C11-C12-C13-C15
24	f	613	CLA	C12-C13-C15-C16
24	i	604	CLA	C6-C7-C8-C10
24	i	604	CLA	C11-C12-C13-C15
24	i	606	CLA	C6-C7-C8-C10
24	i	606	CLA	C11-C10-C8-C7
24	j	305	CLA	C11-C10-C8-C7
24	j	305	CLA	C12-C13-C15-C16
24	j	314	CLA	C6-C7-C8-C10
24	g	308	CLA	C11-C10-C8-C7
24	g	308	CLA	C12-C13-C15-C16
24	g	309	CLA	C6-C7-C8-C10
25	B	842	PQN	C12-C13-C15-C16
25	B	842	PQN	C21-C22-C23-C25
32	F	206	LMG	C32-C33-C34-C35
24	e	607	CLA	C5-C6-C7-C8
27	A	848	WVN	C32-C36-C39-C40
27	A	848	WVN	C34-C37-C40-C39
27	A	850	WVN	C32-C36-C39-C40
33	c	614	II0	C25-C29-C31-C33
33	a	314	II0	C25-C29-C31-C33
33	a	315	II0	C25-C29-C31-C33
33	b	315	II0	C25-C29-C31-C33
33	e	612	II0	C25-C29-C31-C33
33	e	616	II0	C35-C39-C41-C42
33	d	313	II0	C25-C29-C31-C33
33	g	316	II0	C36-C40-C42-C41
34	a	316	IHT	C35-C38-C41-C40
34	b	317	IHT	C33-C37-C40-C41
34	g	319	IHT	C26-C29-C31-C34
24	A	855	CLA	C16-C17-C18-C20
24	e	610	CLA	C16-C17-C18-C19
26	c	618	LHG	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
25	B	842	PQN	C15-C16-C17-C18
24	b	307	CLA	C8-C10-C11-C12
24	k	608	CLA	C16-C17-C18-C19
24	f	613	CLA	C16-C17-C18-C20
24	i	601	CLA	CAA-CBA-CGA-O2A
26	b	320	LHG	C26-C27-C28-C29
24	a	312	CLA	O1A-CGA-O2A-C1
24	A	803	CLA	CAD-CBD-CGD-O2D
24	A	806	CLA	CAD-CBD-CGD-O2D
24	A	810	CLA	CAD-CBD-CGD-O2D
24	A	824	CLA	CAD-CBD-CGD-O2D
24	A	825	CLA	CAD-CBD-CGD-O2D
24	A	834	CLA	CAD-CBD-CGD-O2D
24	B	819	CLA	CAD-CBD-CGD-O2D
24	B	823	CLA	CAD-CBD-CGD-O2D
24	B	837	CLA	CAD-CBD-CGD-O2D
24	B	838	CLA	CAD-CBD-CGD-O2D
24	B	840	CLA	CAD-CBD-CGD-O2D
24	F	201	CLA	CAD-CBD-CGD-O2D
24	F	202	CLA	CAD-CBD-CGD-O2D
24	J	103	CLA	CAD-CBD-CGD-O2D
24	O	201	CLA	CAD-CBD-CGD-O2D
24	O	205	CLA	CAD-CBD-CGD-O2D
24	a	304	CLA	CAD-CBD-CGD-O2D
24	a	308	CLA	CAD-CBD-CGD-O2D
24	b	310	CLA	CAD-CBD-CGD-O2D
24	h	307	CLA	CAD-CBD-CGD-O2D
24	k	603	CLA	CAD-CBD-CGD-O2D
24	k	609	CLA	CAD-CBD-CGD-O2D
24	k	610	CLA	CAD-CBD-CGD-O2D
24	f	608	CLA	CAD-CBD-CGD-O2D
24	i	605	CLA	CAD-CBD-CGD-O2D
24	i	607	CLA	CAD-CBD-CGD-O2D
24	j	309	CLA	CAD-CBD-CGD-O2D
24	j	313	CLA	CAD-CBD-CGD-O2D
24	j	314	CLA	CAD-CBD-CGD-O2D
24	d	305	CLA	CAD-CBD-CGD-O2D
24	g	303	CLA	CAD-CBD-CGD-O2D
24	g	305	CLA	CAD-CBD-CGD-O2D
35	j	312	KC2	C2C-C3C-CAC-CBC
35	g	314	KC2	C2C-C3C-CAC-CBC
24	a	302	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
24	B	806	CLA	C15-C16-C17-C18
24	c	604	CLA	C5-C6-C7-C8
24	f	608	CLA	CBA-CGA-O2A-C1
24	j	314	CLA	CBA-CGA-O2A-C1
24	O	205	CLA	C16-C17-C18-C20
24	B	808	CLA	C2-C3-C5-C6
24	B	812	CLA	C2-C3-C5-C6
24	A	823	CLA	CBD-CGD-O2D-CED
24	L	202	CLA	O2A-C1-C2-C3
35	i	616	KC2	C4B-C3B-CAB-CBB
32	b	301	LMG	C30-C31-C32-C33
24	B	809	CLA	C16-C17-C18-C19
24	B	836	CLA	C16-C17-C18-C19
24	k	605	CLA	C2C-C3C-CAC-CBC
24	A	812	CLA	O1D-CGD-O2D-CED
24	A	807	CLA	CHA-CBD-CGD-O1D
24	A	807	CLA	CHA-CBD-CGD-O2D
24	A	813	CLA	CHA-CBD-CGD-O2D
24	A	814	CLA	CHA-CBD-CGD-O1D
24	A	814	CLA	CHA-CBD-CGD-O2D
24	A	815	CLA	CHA-CBD-CGD-O2D
24	A	832	CLA	CHA-CBD-CGD-O1D
24	A	832	CLA	CHA-CBD-CGD-O2D
24	A	855	CLA	CHA-CBD-CGD-O2D
24	B	808	CLA	CHA-CBD-CGD-O1D
24	B	808	CLA	CHA-CBD-CGD-O2D
24	B	812	CLA	CHA-CBD-CGD-O1D
24	B	822	CLA	CHA-CBD-CGD-O1D
24	B	822	CLA	CHA-CBD-CGD-O2D
24	B	833	CLA	CHA-CBD-CGD-O1D
24	B	833	CLA	CHA-CBD-CGD-O2D
24	a	305	CLA	CHA-CBD-CGD-O1D
24	a	309	CLA	CHA-CBD-CGD-O1D
24	j	303	CLA	CHA-CBD-CGD-O1D
24	j	305	CLA	CHA-CBD-CGD-O1D
24	j	305	CLA	CHA-CBD-CGD-O2D
24	j	308	CLA	CHA-CBD-CGD-O1D
24	j	308	CLA	CHA-CBD-CGD-O2D
24	d	301	CLA	CHA-CBD-CGD-O1D
24	d	301	CLA	CHA-CBD-CGD-O2D
24	d	303	CLA	CHA-CBD-CGD-O1D
24	d	303	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
24	d	306	CLA	CHA-CBD-CGD-O1D
24	d	306	CLA	CHA-CBD-CGD-O2D
24	g	310	CLA	CHA-CBD-CGD-O1D
24	g	310	CLA	CHA-CBD-CGD-O2D
24	g	311	CLA	CHA-CBD-CGD-O2D
33	d	313	II0	C26-C30-C32-C34
35	c	610	KC2	CHA-CBD-CGD-O1D
35	k	611	KC2	CHA-CBD-CGD-O1D
35	k	611	KC2	CHA-CBD-CGD-O2D
35	f	611	KC2	CHA-CBD-CGD-O2D
35	d	310	KC2	CHA-CBD-CGD-O2D
32	L	208	LMG	C17-C18-C19-C20
24	B	801	CLA	C3-C5-C6-C7
24	f	609	CLA	CBD-CGD-O2D-CED
24	A	829	CLA	O1A-CGA-O2A-C1
26	J	107	LHG	O7-C5-C6-O8
26	J	107	LHG	C30-C31-C32-C33
24	f	608	CLA	O1A-CGA-O2A-C1
24	A	807	CLA	C16-C17-C18-C20
24	B	808	CLA	C4-C3-C5-C6
24	B	821	CLA	O1A-CGA-O2A-C1
24	b	304	CLA	O1A-CGA-O2A-C1
24	b	309	CLA	C2-C3-C5-C6
33	J	104	II0	C09-C21-C23-C25
33	a	315	II0	C10-C22-C24-C26
33	h	310	II0	C09-C21-C23-C25
33	e	616	II0	C10-C22-C24-C26
33	k	617	II0	C09-C21-C23-C25
33	f	616	II0	C10-C22-C24-C26
33	g	316	II0	C09-C21-C23-C25
33	g	317	II0	C09-C21-C23-C25
33	g	317	II0	C10-C22-C24-C26
24	A	837	CLA	C14-C13-C15-C16
24	B	804	CLA	C6-C7-C8-C9
24	B	825	CLA	C6-C7-C8-C9
24	F	201	CLA	C14-C13-C15-C16
24	b	309	CLA	C11-C12-C13-C14
24	f	604	CLA	C14-C13-C15-C16
24	g	309	CLA	C6-C7-C8-C9
24	b	311	CLA	O1A-CGA-O2A-C1
24	f	613	CLA	O1A-CGA-O2A-C1
24	B	812	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
26	f	620	LHG	C27-C28-C29-C30
24	k	604	CLA	CBD-CGD-O2D-CED
24	B	816	CLA	CAA-CBA-CGA-O2A
27	L	201	WVN	C29-C31-C32-C35
27	K	103	WVN	C20-C23-C25-C27
27	e	615	WVN	C20-C23-C25-C27
27	R	201	WVN	C20-C23-C25-C27
33	a	317	II0	C32-C34-C36-C38
33	e	613	II0	C31-C33-C35-C37
33	k	615	II0	C32-C34-C36-C38
33	f	618	II0	C31-C33-C35-C37
24	g	311	CLA	CBD-CGD-O2D-CED
27	J	101	WVN	C11-C19-C22-C26
27	M	101	WVN	C11-C19-C22-C26
27	e	615	WVN	C20-C23-C25-C28
33	a	317	II0	C32-C34-C36-C40
33	f	618	II0	C31-C33-C35-C39
33	d	313	II0	C31-C33-C35-C39
34	b	317	IHT	C18-C22-C23-C27
34	g	319	IHT	C30-C32-C33-C37
24	B	828	CLA	C1A-C2A-CAA-CBA
24	b	309	CLA	C1A-C2A-CAA-CBA
24	d	307	CLA	C1A-C2A-CAA-CBA
24	I	102	CLA	C16-C17-C18-C20
24	f	602	CLA	C16-C17-C18-C19
24	i	605	CLA	C2-C1-O2A-CGA
27	B	847	WVN	C25-C28-C30-C33
27	B	849	WVN	C34-C37-C40-C39
33	b	314	II0	C36-C40-C42-C41
33	f	615	II0	C25-C29-C31-C33
33	i	614	II0	C26-C30-C32-C34
33	j	316	II0	C35-C39-C41-C42
24	g	307	CLA	O1D-CGD-O2D-CED
26	A	845	LHG	C3-O3-P-O6
26	b	302	LHG	C3-O3-P-O6
26	k	620	LHG	C4-O6-P-O3
26	a	301	LHG	C14-C15-C16-C17
24	B	834	CLA	CBD-CGD-O2D-CED
24	b	305	CLA	C3-C5-C6-C7
24	f	602	CLA	C2-C3-C5-C6
24	A	832	CLA	C2C-C3C-CAC-CBC
32	L	208	LMG	C41-C42-C43-C44

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Mol	Chain	Res	Type	Atoms
26	A	844	LHG	C4-O6-P-O5
26	B	802	LHG	C3-O3-P-O4
26	c	618	LHG	C3-O3-P-O5
26	c	618	LHG	C4-O6-P-O5
26	a	301	LHG	C3-O3-P-O5
26	e	617	LHG	C3-O3-P-O5
26	k	620	LHG	C3-O3-P-O4
26	f	619	LHG	C4-O6-P-O5
26	f	620	LHG	C4-O6-P-O5
26	i	615	LHG	C4-O6-P-O5
26	j	319	LHG	C4-O6-P-O5
26	g	301	LHG	C3-O3-P-O5
26	g	301	LHG	C4-O6-P-O5
26	g	321	LHG	C3-O3-P-O5
24	k	604	CLA	C16-C17-C18-C20
24	A	821	CLA	O2A-C1-C2-C3
24	e	604	CLA	C5-C6-C7-C8
24	B	836	CLA	CBA-CGA-O2A-C1
32	F	206	LMG	C23-C24-C25-C26
24	B	841	CLA	CAA-CBA-CGA-O2A
24	I	102	CLA	CAA-CBA-CGA-O2A
24	f	609	CLA	O1D-CGD-O2D-CED
24	B	811	CLA	C6-C7-C8-C10
25	B	842	PQN	C26-C27-C28-C30
24	A	804	CLA	CAD-CBD-CGD-O1D
24	A	813	CLA	CAD-CBD-CGD-O1D
24	A	814	CLA	CAD-CBD-CGD-O1D
24	A	855	CLA	CAD-CBD-CGD-O1D
24	B	812	CLA	CAD-CBD-CGD-O1D
24	B	827	CLA	CAD-CBD-CGD-O1D
24	B	833	CLA	CAD-CBD-CGD-O1D
24	c	611	CLA	CAD-CBD-CGD-O1D
24	b	306	CLA	CAD-CBD-CGD-O1D
24	i	604	CLA	CAD-CBD-CGD-O1D
24	j	305	CLA	CAD-CBD-CGD-O1D
24	d	303	CLA	CAD-CBD-CGD-O1D
24	d	304	CLA	CAD-CBD-CGD-O1D
24	d	306	CLA	CAD-CBD-CGD-O1D
24	R	203	CLA	C2-C3-C5-C6
35	g	314	KC2	CAD-CBD-CGD-O1D
24	A	855	CLA	C3-C5-C6-C7
24	f	613	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
24	j	314	CLA	O1A-CGA-O2A-C1
26	J	107	LHG	C1-C2-C3-O3
24	B	820	CLA	C6-C7-C8-C9
24	b	305	CLA	C16-C17-C18-C20
24	e	605	CLA	C16-C17-C18-C19
24	A	805	CLA	C3A-C2A-CAA-CBA
24	A	808	CLA	C6-C7-C8-C10
24	A	808	CLA	C12-C13-C15-C16
24	A	816	CLA	C12-C13-C15-C16
24	A	829	CLA	C6-C7-C8-C10
24	A	831	CLA	C12-C13-C15-C16
24	A	832	CLA	C11-C12-C13-C15
24	A	841	CLA	C12-C13-C15-C16
24	B	804	CLA	C6-C7-C8-C10
24	B	808	CLA	C12-C13-C15-C16
24	B	813	CLA	C11-C10-C8-C7
24	B	822	CLA	C12-C13-C15-C16
24	B	830	CLA	C6-C7-C8-C10
24	B	836	CLA	C6-C7-C8-C10
24	B	839	CLA	C11-C12-C13-C15
24	O	205	CLA	C11-C12-C13-C15
24	c	608	CLA	C6-C7-C8-C10
24	a	307	CLA	C12-C13-C15-C16
24	a	310	CLA	C12-C13-C15-C16
24	b	306	CLA	C6-C7-C8-C10
24	e	605	CLA	C11-C10-C8-C7
24	k	608	CLA	C6-C7-C8-C10
24	f	604	CLA	C12-C13-C15-C16
24	f	608	CLA	C11-C12-C13-C15
24	f	613	CLA	C11-C10-C8-C7
27	I	101	WVN	C05-C02-C11-C19
27	L	201	WVN	C05-C02-C11-C19
27	M	101	WVN	C05-C02-C11-C19
27	F	204	WVN	C34-C37-C40-C39
24	c	608	CLA	C13-C15-C16-C17
26	J	107	LHG	O2-C2-C3-O3
24	d	304	CLA	C4C-C3C-CAC-CBC
24	A	807	CLA	C2A-CAA-CBA-CGA
24	A	806	CLA	C16-C17-C18-C19
24	a	308	CLA	C16-C17-C18-C20
24	d	303	CLA	C16-C17-C18-C19
26	f	619	LHG	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
26	A	844	LHG	C10-C11-C12-C13
32	J	106	LMG	C37-C38-C39-C40
26	g	301	LHG	O7-C5-C6-O8
24	A	807	CLA	C16-C17-C18-C19
24	B	836	CLA	C16-C17-C18-C20
24	f	610	CLA	C10-C11-C12-C13
24	A	823	CLA	O1D-CGD-O2D-CED
24	B	826	CLA	C2-C3-C5-C6
24	A	816	CLA	C11-C10-C8-C9
24	A	817	CLA	C11-C12-C13-C14
24	A	826	CLA	C11-C12-C13-C14
24	A	837	CLA	C6-C7-C8-C9
24	B	805	CLA	C11-C10-C8-C9
24	B	817	CLA	C11-C10-C8-C9
24	I	102	CLA	C11-C10-C8-C9
24	L	203	CLA	C14-C13-C15-C16
24	c	608	CLA	C6-C7-C8-C9
24	b	305	CLA	C11-C12-C13-C14
24	b	305	CLA	C14-C13-C15-C16
24	b	308	CLA	C6-C7-C8-C9
24	b	312	CLA	C6-C7-C8-C9
24	e	610	CLA	C11-C12-C13-C14
24	e	611	CLA	C11-C12-C13-C14
24	k	604	CLA	C11-C12-C13-C14
24	i	606	CLA	C6-C7-C8-C9
24	g	308	CLA	C11-C10-C8-C9
24	L	203	CLA	C16-C17-C18-C19
24	h	306	CLA	CAA-CBA-CGA-O2A
27	B	847	WVN	C26-C29-C31-C32
27	L	206	WVN	C28-C30-C33-C34
33	b	315	II0	C29-C31-C33-C35
27	A	846	WVN	C32-C36-C39-C40
33	h	309	II0	C36-C40-C42-C41
34	a	316	IHT	C33-C37-C40-C41
27	M	101	WVN	C11-C19-C22-C24
32	J	106	LMG	C31-C32-C33-C34
24	B	811	CLA	C6-C7-C8-C9
32	b	301	LMG	C15-C16-C17-C18
27	R	202	WVN	C30-C33-C34-C37
26	b	320	LHG	C11-C10-C9-C8
24	A	818	CLA	C4-C3-C5-C6
24	A	817	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
26	b	302	LHG	C14-C15-C16-C17
25	B	842	PQN	C25-C26-C27-C28
24	e	605	CLA	C16-C17-C18-C20
24	f	610	CLA	C8-C10-C11-C12
24	A	821	CLA	C1-C2-C3-C4
24	B	828	CLA	C1-C2-C3-C4
24	A	804	CLA	CAA-CBA-CGA-O2A
26	e	617	LHG	C6-C5-O7-C7
24	A	855	CLA	C2A-CAA-CBA-CGA
24	b	306	CLA	C2A-CAA-CBA-CGA
24	f	604	CLA	C2A-CAA-CBA-CGA
24	j	305	CLA	C2A-CAA-CBA-CGA
24	g	305	CLA	C2A-CAA-CBA-CGA
24	A	802	CLA	C2-C1-O2A-CGA
24	c	612	CLA	C2-C1-O2A-CGA
24	b	303	CLA	C2-C1-O2A-CGA
24	i	611	CLA	C2-C1-O2A-CGA
24	g	309	CLA	C3-C5-C6-C7
26	f	620	LHG	C12-C13-C14-C15
34	j	317	IHT	C26-C29-C31-C34
24	B	814	CLA	O1A-CGA-O2A-C1
26	J	107	LHG	C25-C26-C27-C28
24	g	306	CLA	CAA-CBA-CGA-O2A
35	e	609	KC2	CAA-CBA-CGA-O1A
24	A	817	CLA	C16-C17-C18-C19
24	A	839	CLA	C5-C6-C7-C8
24	B	825	CLA	C4-C3-C5-C6
24	A	820	CLA	O1D-CGD-O2D-CED
27	J	102	WVN	C06-C13-C20-C23
24	b	312	CLA	C16-C17-C18-C19
24	e	610	CLA	C3-C5-C6-C7
32	O	204	LMG	O6-C1-O1-C7
26	c	617	LHG	O7-C5-C6-O8
32	O	204	LMG	O7-C8-C9-O8
26	J	107	LHG	C24-C23-O8-C6
26	A	844	LHG	C3-O3-P-O6
26	c	617	LHG	C3-O3-P-O6
26	b	320	LHG	C4-O6-P-O3
26	d	316	LHG	C4-O6-P-O3
32	b	301	LMG	C12-C13-C14-C15
24	A	801	CLA	C16-C17-C18-C20
32	b	301	LMG	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
24	k	602	CLA	C4C-C3C-CAC-CBC
24	A	818	CLA	C2-C3-C5-C6
24	A	824	CLA	C12-C13-C15-C16
24	B	818	CLA	C6-C7-C8-C10
24	B	823	CLA	C11-C10-C8-C7
24	b	306	CLA	C11-C10-C8-C7
25	B	842	PQN	C17-C18-C20-C21
24	g	311	CLA	C3-C5-C6-C7
24	A	812	CLA	C14-C13-C15-C16
24	A	816	CLA	C14-C13-C15-C16
24	A	836	CLA	C6-C7-C8-C9
24	B	805	CLA	C11-C12-C13-C14
24	B	836	CLA	C14-C13-C15-C16
24	B	837	CLA	C11-C10-C8-C9
24	O	205	CLA	C11-C12-C13-C14
24	b	306	CLA	C6-C7-C8-C9
24	b	307	CLA	C11-C10-C8-C9
24	b	312	CLA	C11-C10-C8-C9
24	k	609	CLA	C14-C13-C15-C16
24	f	608	CLA	C11-C12-C13-C14
24	f	613	CLA	C11-C10-C8-C9
24	d	303	CLA	C11-C12-C13-C14
24	d	303	CLA	C14-C13-C15-C16
27	j	301	WVN	C32-C36-C39-C40
33	h	311	II0	C35-C39-C41-C42
33	e	613	II0	C36-C40-C42-C41
33	f	618	II0	C36-C40-C42-C41
33	d	314	II0	C36-C40-C42-C41
34	R	204	IHT	C23-C27-C30-C32
24	B	810	CLA	CBA-CGA-O2A-C1
24	b	307	CLA	C5-C6-C7-C8
26	b	302	LHG	C31-C32-C33-C34
27	B	847	WVN	C29-C31-C32-C35
24	g	303	CLA	CBA-CGA-O2A-C1
26	a	301	LHG	C5-C4-O6-P
26	d	316	LHG	C2-C3-O3-P
26	g	301	LHG	C2-C3-O3-P
24	f	601	CLA	C4C-C3C-CAC-CBC
28	A	851	LMT	C6-C7-C8-C9
30	B	843	DGD	C8B-C9B-CAB-CBB
24	R	203	CLA	O1D-CGD-O2D-CED
24	b	308	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
24	j	311	CLA	C12-C13-C15-C16
24	B	826	CLA	C4-C3-C5-C6
24	L	203	CLA	C16-C17-C18-C20
24	k	604	CLA	C16-C17-C18-C19
24	K	101	CLA	CBA-CGA-O2A-C1
24	d	303	CLA	CBA-CGA-O2A-C1
30	B	843	DGD	C2A-C1A-O1G-C1G
32	L	208	LMG	C29-C28-O8-C9
26	B	802	LHG	C24-C25-C26-C27
24	k	603	CLA	O1A-CGA-O2A-C1
24	A	822	CLA	CBD-CGD-O2D-CED
24	k	603	CLA	CBA-CGA-O2A-C1
24	k	606	CLA	CBA-CGA-O2A-C1
27	A	849	WVN	C25-C28-C30-C33
27	A	850	WVN	C25-C28-C30-C33
27	R	202	WVN	C25-C28-C30-C33
33	b	314	II0	C35-C39-C41-C42
33	e	616	II0	C25-C29-C31-C33
33	k	615	II0	C35-C39-C41-C42
33	j	315	II0	C36-C40-C42-C41
34	g	319	IHT	C33-C37-C40-C41
24	k	604	CLA	O1D-CGD-O2D-CED
24	a	307	CLA	C8-C10-C11-C12
24	B	803	CLA	C16-C17-C18-C19
24	B	815	CLA	C6-C7-C8-C10
24	g	322	CLA	C16-C17-C18-C19
24	A	802	CLA	C4-C3-C5-C6
24	A	842	CLA	C4-C3-C5-C6
24	B	806	CLA	C10-C11-C12-C13
24	B	836	CLA	O1A-CGA-O2A-C1
24	K	101	CLA	O1A-CGA-O2A-C1
24	k	606	CLA	O1A-CGA-O2A-C1
24	d	303	CLA	O1A-CGA-O2A-C1
24	B	803	CLA	C15-C16-C17-C18
24	A	820	CLA	C2C-C3C-CAC-CBC
24	a	307	CLA	CAA-CBA-CGA-O2A
24	A	805	CLA	C2-C1-O2A-CGA
24	A	833	CLA	C2-C1-O2A-CGA
24	c	602	CLA	C2-C1-O2A-CGA
24	f	610	CLA	C2-C1-O2A-CGA
28	b	319	LMT	O1'-C1-C2-C3
24	A	816	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
24	A	824	CLA	C8-C10-C11-C12
24	B	808	CLA	C16-C17-C18-C20
24	f	613	CLA	C16-C17-C18-C19
32	J	106	LMG	C19-C20-C21-C22
24	A	824	CLA	C13-C15-C16-C17
24	A	835	CLA	C2A-CAA-CBA-CGA
24	a	302	CLA	C2A-CAA-CBA-CGA
24	k	607	CLA	C2A-CAA-CBA-CGA
24	j	314	CLA	C2A-CAA-CBA-CGA
32	J	106	LMG	O1-C7-C8-O7
24	B	814	CLA	CBA-CGA-O2A-C1
24	f	613	CLA	CAA-CBA-CGA-O2A
26	J	107	LHG	C2-C3-O3-P
24	A	807	CLA	O1D-CGD-O2D-CED
24	A	809	CLA	C3A-C2A-CAA-CBA
24	A	819	CLA	C3A-C2A-CAA-CBA
24	A	830	CLA	C3A-C2A-CAA-CBA
24	B	809	CLA	C3A-C2A-CAA-CBA
24	B	815	CLA	C3A-C2A-CAA-CBA
24	i	611	CLA	C3A-C2A-CAA-CBA
24	g	304	CLA	C3A-C2A-CAA-CBA
24	a	310	CLA	C16-C17-C18-C19
28	A	851	LMT	C2-C3-C4-C5
24	A	824	CLA	C4-C3-C5-C6
33	h	311	II0	C10-C22-C24-C26
33	e	613	II0	C10-C22-C24-C26
33	f	614	II0	C10-C22-C24-C26
33	f	616	II0	C09-C21-C23-C25
33	i	613	II0	C09-C21-C23-C25
33	j	315	II0	C10-C22-C24-C26
24	A	806	CLA	C11-C12-C13-C14
24	A	820	CLA	C11-C10-C8-C9
24	A	831	CLA	C11-C12-C13-C14
24	A	842	CLA	C14-C13-C15-C16
24	B	804	CLA	C11-C12-C13-C14
24	B	808	CLA	C11-C12-C13-C14
24	B	809	CLA	C14-C13-C15-C16
24	a	305	CLA	C14-C13-C15-C16
24	e	607	CLA	C6-C7-C8-C9
24	f	607	CLA	C6-C7-C8-C9
24	f	608	CLA	C11-C10-C8-C9
24	g	309	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
24	g	322	CLA	C11-C12-C13-C14
28	a	318	LMT	C7-C8-C9-C10
32	L	208	LMG	C39-C40-C41-C42
27	A	847	WVN	C24-C22-C26-C29
27	e	615	WVN	C01-C02-C11-C19
33	b	315	II0	C37-C35-C39-C41
34	b	317	IHT	C25-C23-C27-C30
24	B	834	CLA	O1D-CGD-O2D-CED
24	c	604	CLA	C2A-CAA-CBA-CGA
24	g	322	CLA	C2A-CAA-CBA-CGA
32	F	206	LMG	C14-C15-C16-C17
35	k	611	KC2	C2A-CAA-CBA-CGA
24	A	801	CLA	C16-C17-C18-C19
24	A	841	CLA	C16-C17-C18-C19
24	f	602	CLA	C16-C17-C18-C20
28	F	203	LMT	C4-C5-C6-C7
24	B	825	CLA	C15-C16-C17-C18
24	A	820	CLA	CBD-CGD-O2D-CED
33	g	320	II0	C31-C33-C35-C39
24	A	815	CLA	C1A-C2A-CAA-CBA
24	A	830	CLA	C1A-C2A-CAA-CBA
24	B	820	CLA	C1A-C2A-CAA-CBA
24	B	836	CLA	C1A-C2A-CAA-CBA
24	I	102	CLA	C1A-C2A-CAA-CBA
24	f	612	CLA	C1A-C2A-CAA-CBA
24	j	310	CLA	C1A-C2A-CAA-CBA
24	g	304	CLA	C1A-C2A-CAA-CBA
24	A	807	CLA	C12-C13-C15-C16
24	A	825	CLA	C6-C7-C8-C10
24	B	804	CLA	C11-C10-C8-C7
24	B	808	CLA	C6-C7-C8-C10
24	B	814	CLA	C11-C10-C8-C7
24	L	203	CLA	C11-C12-C13-C15
24	a	307	CLA	C11-C10-C8-C7
24	b	307	CLA	C11-C12-C13-C15
24	k	604	CLA	C12-C13-C15-C16
24	f	608	CLA	C6-C7-C8-C10
24	i	606	CLA	C11-C12-C13-C15
24	j	314	CLA	C12-C13-C15-C16
24	B	801	CLA	C13-C15-C16-C17
26	a	301	LHG	O10-C23-O8-C6
27	L	201	WVN	C22-C26-C29-C31

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Mol	Chain	Res	Type	Atoms
24	A	825	CLA	CBA-CGA-O2A-C1
24	B	822	CLA	O1A-CGA-O2A-C1
24	A	855	CLA	C16-C17-C18-C19
24	B	807	CLA	C2A-CAA-CBA-CGA
24	e	601	CLA	C2A-CAA-CBA-CGA
28	F	203	LMT	C1-C2-C3-C4
24	g	305	CLA	C15-C16-C17-C18
26	J	107	LHG	C33-C34-C35-C36
35	f	611	KC2	C3A-C2A-CAA-CBA
35	g	312	KC2	C3A-C2A-CAA-CBA
32	b	301	LMG	C39-C40-C41-C42
24	B	839	CLA	C16-C17-C18-C20
24	f	608	CLA	C16-C17-C18-C20
24	A	824	CLA	C2-C3-C5-C6
32	b	301	LMG	C31-C32-C33-C34
24	g	303	CLA	O1A-CGA-O2A-C1
26	c	617	LHG	C7-C8-C9-C10
24	A	841	CLA	C16-C17-C18-C20
24	B	809	CLA	C16-C17-C18-C20
27	A	847	WVN	C19-C22-C26-C29
33	b	315	II0	C33-C35-C39-C41
34	b	317	IHT	C22-C23-C27-C30
32	b	301	LMG	C38-C39-C40-C41
26	k	620	LHG	O7-C5-C6-O8
27	A	850	WVN	C22-C26-C29-C31
27	B	847	WVN	C34-C37-C40-C39
27	F	205	WVN	C25-C28-C30-C33
27	F	205	WVN	C34-C37-C40-C39
27	j	301	WVN	C34-C37-C40-C39
33	h	311	II0	C36-C40-C42-C41
33	e	613	II0	C26-C30-C32-C34
33	d	315	II0	C26-C30-C32-C34
33	g	316	II0	C35-C39-C41-C42
24	e	601	CLA	CAA-CBA-CGA-O1A
30	B	843	DGD	O1A-C1A-O1G-C1G
24	k	608	CLA	C8-C10-C11-C12
24	B	822	CLA	CBA-CGA-O2A-C1
24	B	840	CLA	C3-C5-C6-C7
24	F	201	CLA	C4-C3-C5-C6
24	A	816	CLA	C2-C1-O2A-CGA
24	L	204	CLA	C2-C1-O2A-CGA
24	c	601	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
24	h	306	CLA	C2-C1-O2A-CGA
24	A	842	CLA	C2-C3-C5-C6
24	B	825	CLA	C2-C3-C5-C6
24	B	810	CLA	O1A-CGA-O2A-C1
32	L	208	LMG	C37-C38-C39-C40
24	A	805	CLA	C11-C10-C8-C9
24	B	803	CLA	C14-C13-C15-C16
24	B	805	CLA	C6-C7-C8-C9
24	B	825	CLA	C14-C13-C15-C16
24	B	837	CLA	C6-C7-C8-C9
24	b	305	CLA	C6-C7-C8-C9
24	h	305	CLA	C6-C7-C8-C9
25	A	843	PQN	C24-C23-C25-C26
26	J	107	LHG	O10-C23-O8-C6
24	B	807	CLA	C3-C5-C6-C7
24	e	602	CLA	C2A-CAA-CBA-CGA
24	e	601	CLA	CAA-CBA-CGA-O2A
24	A	801	CLA	CAA-CBA-CGA-O1A
24	R	203	CLA	CAA-CBA-CGA-O1A
27	A	850	WVN	C06-C13-C20-C23
27	B	849	WVN	C06-C13-C20-C23
27	L	201	WVN	C06-C13-C20-C23
24	B	837	CLA	C15-C16-C17-C18
24	b	309	CLA	O1D-CGD-O2D-CED
26	a	301	LHG	O1-C1-C2-C3
32	L	208	LMG	O10-C28-O8-C9
33	k	615	II0	C26-C30-C32-C34
24	F	202	CLA	C4-C3-C5-C6
24	O	201	CLA	C4-C3-C5-C6
24	B	808	CLA	C16-C17-C18-C19
24	b	312	CLA	C16-C17-C18-C20
24	c	604	CLA	CBD-CGD-O2D-CED
24	a	306	CLA	CAA-CBA-CGA-O2A
24	a	308	CLA	C8-C10-C11-C12
30	B	843	DGD	C5D-C6D-O5D-C1E
24	k	605	CLA	CAA-CBA-CGA-O2A
24	e	606	CLA	C16-C17-C18-C20
24	c	608	CLA	C10-C11-C12-C13
24	B	838	CLA	CAA-CBA-CGA-O1A
24	c	611	CLA	CAA-CBA-CGA-O1A
26	k	620	LHG	C28-C29-C30-C31
24	A	841	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
26	b	302	LHG	C10-C11-C12-C13
25	B	842	PQN	C13-C15-C16-C17
24	c	611	CLA	CAA-CBA-CGA-O2A
24	f	605	CLA	CAA-CBA-CGA-O1A
24	B	825	CLA	C16-C17-C18-C20
24	A	822	CLA	O1D-CGD-O2D-CED
26	b	302	LHG	C18-C19-C20-C21
24	A	826	CLA	C6-C7-C8-C10
24	A	842	CLA	C6-C7-C8-C10
24	B	805	CLA	C11-C10-C8-C7
24	B	825	CLA	C12-C13-C15-C16
24	B	837	CLA	C6-C7-C8-C10
24	e	610	CLA	C11-C12-C13-C15
24	k	608	CLA	C12-C13-C15-C16
24	g	305	CLA	C11-C12-C13-C15
25	B	842	PQN	C22-C23-C25-C26
24	B	818	CLA	CBA-CGA-O2A-C1
24	d	304	CLA	CBA-CGA-O2A-C1
26	a	301	LHG	C24-C23-O8-C6
24	A	812	CLA	C3-C5-C6-C7
24	B	823	CLA	C10-C11-C12-C13
24	g	307	CLA	CAA-CBA-CGA-O1A
33	k	615	II0	C36-C40-C42-C41
32	O	204	LMG	C28-C29-C30-C31
24	j	310	CLA	O1A-CGA-O2A-C1
24	A	819	CLA	CAA-CBA-CGA-O2A
24	A	828	CLA	CAA-CBA-CGA-O2A
32	b	301	LMG	O6-C5-C6-O5
24	g	309	CLA	CBA-CGA-O2A-C1
24	g	308	CLA	CAA-CBA-CGA-O2A
24	A	827	CLA	C4-C3-C5-C6
24	f	607	CLA	C4-C3-C5-C6
24	B	833	CLA	C5-C6-C7-C8
24	A	853	CLA	C2-C3-C5-C6
24	A	842	CLA	C16-C17-C18-C20
24	i	606	CLA	C12-C13-C15-C16
24	A	832	CLA	C11-C12-C13-C14
24	A	841	CLA	C6-C7-C8-C9
24	A	853	CLA	C11-C12-C13-C14
24	a	310	CLA	C14-C13-C15-C16
24	h	312	CLA	C6-C7-C8-C9
24	f	602	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
24	j	311	CLA	C11-C12-C13-C14
26	c	618	LHG	C29-C30-C31-C32
24	k	606	CLA	CAA-CBA-CGA-O1A
24	A	812	CLA	C3A-C2A-CAA-CBA
24	A	815	CLA	C3A-C2A-CAA-CBA
24	b	313	CLA	C3A-C2A-CAA-CBA
24	A	842	CLA	CBD-CGD-O2D-CED
24	A	826	CLA	CAD-CBD-CGD-O2D
24	B	805	CLA	CAD-CBD-CGD-O2D
24	B	810	CLA	CAD-CBD-CGD-O2D
24	B	813	CLA	CAD-CBD-CGD-O2D
24	B	814	CLA	CAD-CBD-CGD-O2D
24	B	829	CLA	CAD-CBD-CGD-O2D
24	J	105	CLA	CAD-CBD-CGD-O2D
24	L	202	CLA	CAD-CBD-CGD-O2D
24	c	604	CLA	CAD-CBD-CGD-O2D
24	a	310	CLA	CAD-CBD-CGD-O2D
24	b	312	CLA	CAD-CBD-CGD-O2D
24	e	604	CLA	CAD-CBD-CGD-O2D
24	k	604	CLA	CAD-CBD-CGD-O2D
24	f	604	CLA	CAD-CBD-CGD-O2D
24	f	605	CLA	CAD-CBD-CGD-O2D
24	f	607	CLA	CAD-CBD-CGD-O2D
24	i	603	CLA	CAD-CBD-CGD-O2D
24	i	606	CLA	CAD-CBD-CGD-O2D
24	i	608	CLA	CAD-CBD-CGD-O2D
24	i	611	CLA	CAD-CBD-CGD-O2D
24	d	308	CLA	CAD-CBD-CGD-O2D
24	g	307	CLA	CAD-CBD-CGD-O2D
24	R	203	CLA	CAD-CBD-CGD-O2D
35	g	314	KC2	CAD-CBD-CGD-O2D
32	b	301	LMG	C13-C14-C15-C16
24	e	604	CLA	C2A-CAA-CBA-CGA
24	f	601	CLA	C2-C1-O2A-CGA
24	A	803	CLA	C2-C1-O2A-CGA
24	c	609	CLA	CAA-CBA-CGA-O2A
24	A	812	CLA	CAA-CBA-CGA-O2A
24	c	605	CLA	CAA-CBA-CGA-O2A
24	h	302	CLA	CAA-CBA-CGA-O2A
24	e	603	CLA	CAA-CBA-CGA-O2A
26	A	845	LHG	O7-C7-C8-C9
26	d	316	LHG	O7-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
32	J	106	LMG	C34-C35-C36-C37
26	e	617	LHG	C28-C29-C30-C31
24	j	314	CLA	C3-C5-C6-C7
24	g	308	CLA	C3-C5-C6-C7
24	a	306	CLA	CAA-CBA-CGA-O1A
24	j	306	CLA	CAA-CBA-CGA-O2A
24	F	202	CLA	C2-C3-C5-C6
24	B	806	CLA	CAA-CBA-CGA-O2A
27	F	205	WVN	C30-C33-C34-C37
27	L	201	WVN	C29-C31-C32-C36
33	b	318	II0	C32-C34-C36-C40
33	e	616	II0	C32-C34-C36-C40
33	k	615	II0	C32-C34-C36-C40
26	c	617	LHG	C4-C5-C6-O8
26	k	620	LHG	C4-C5-C6-O8
24	k	605	CLA	CAA-CBA-CGA-O1A
24	A	841	CLA	C8-C10-C11-C12
24	j	305	CLA	C5-C6-C7-C8
24	A	836	CLA	CAA-CBA-CGA-O2A
24	a	311	CLA	CAA-CBA-CGA-O2A
24	f	607	CLA	C16-C17-C18-C20
26	k	620	LHG	C7-C8-C9-C10
24	A	804	CLA	O2A-C1-C2-C3
24	A	809	CLA	O2A-C1-C2-C3
24	A	824	CLA	O2A-C1-C2-C3
24	A	827	CLA	O2A-C1-C2-C3
24	A	839	CLA	O2A-C1-C2-C3
24	A	842	CLA	O2A-C1-C2-C3
24	B	829	CLA	O2A-C1-C2-C3
24	B	830	CLA	O2A-C1-C2-C3
24	B	840	CLA	O2A-C1-C2-C3
24	e	603	CLA	O2A-C1-C2-C3
24	k	608	CLA	O2A-C1-C2-C3
24	k	614	CLA	O2A-C1-C2-C3
24	f	603	CLA	O2A-C1-C2-C3
24	f	613	CLA	O2A-C1-C2-C3
24	j	302	CLA	O2A-C1-C2-C3
24	j	308	CLA	O2A-C1-C2-C3
24	g	322	CLA	O2A-C1-C2-C3
32	F	206	LMG	C24-C25-C26-C27
35	j	312	KC2	C4C-C3C-CAC-CBC
35	g	314	KC2	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
24	j	310	CLA	CBA-CGA-O2A-C1
24	B	840	CLA	CAA-CBA-CGA-O2A
24	B	805	CLA	CAA-CBA-CGA-O1A
24	j	309	CLA	CAA-CBA-CGA-O2A
32	L	208	LMG	C23-C24-C25-C26
24	A	842	CLA	O1D-CGD-O2D-CED
24	k	609	CLA	C15-C16-C17-C18
24	A	842	CLA	C16-C17-C18-C19
24	B	825	CLA	C16-C17-C18-C19
24	B	840	CLA	O1A-CGA-O2A-C1
24	A	812	CLA	CHA-CBD-CGD-O1D
24	A	821	CLA	CHA-CBD-CGD-O1D
24	A	821	CLA	CHA-CBD-CGD-O2D
24	A	834	CLA	CHA-CBD-CGD-O2D
24	A	841	CLA	CHA-CBD-CGD-O1D
24	A	841	CLA	CHA-CBD-CGD-O2D
24	A	842	CLA	CHA-CBD-CGD-O1D
24	A	853	CLA	CHA-CBD-CGD-O1D
24	A	853	CLA	CHA-CBD-CGD-O2D
24	B	801	CLA	CHA-CBD-CGD-O1D
24	B	812	CLA	CHA-CBD-CGD-O2D
24	B	821	CLA	CHA-CBD-CGD-O1D
24	B	821	CLA	CHA-CBD-CGD-O2D
24	B	826	CLA	CHA-CBD-CGD-O1D
24	B	826	CLA	CHA-CBD-CGD-O2D
24	B	827	CLA	CHA-CBD-CGD-O1D
24	B	829	CLA	CHA-CBD-CGD-O1D
24	B	832	CLA	CHA-CBD-CGD-O1D
24	c	601	CLA	CHA-CBD-CGD-O2D
24	a	303	CLA	CHA-CBD-CGD-O1D
24	a	305	CLA	CHA-CBD-CGD-O2D
24	a	307	CLA	CHA-CBD-CGD-O1D
24	a	307	CLA	CHA-CBD-CGD-O2D
24	a	309	CLA	CHA-CBD-CGD-O2D
24	b	303	CLA	CHA-CBD-CGD-O2D
24	b	309	CLA	CHA-CBD-CGD-O1D
24	b	313	CLA	CHA-CBD-CGD-O1D
24	h	301	CLA	CHA-CBD-CGD-O1D
24	h	301	CLA	CHA-CBD-CGD-O2D
24	h	303	CLA	CHA-CBD-CGD-O2D
24	e	601	CLA	CHA-CBD-CGD-O1D
24	e	601	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
24	e	606	CLA	CHA-CBD-CGD-O1D
24	e	606	CLA	CHA-CBD-CGD-O2D
24	e	607	CLA	CHA-CBD-CGD-O1D
24	e	607	CLA	CHA-CBD-CGD-O2D
24	e	610	CLA	CHA-CBD-CGD-O1D
24	e	610	CLA	CHA-CBD-CGD-O2D
24	k	601	CLA	CHA-CBD-CGD-O1D
24	k	601	CLA	CHA-CBD-CGD-O2D
24	k	605	CLA	CHA-CBD-CGD-O1D
24	k	605	CLA	CHA-CBD-CGD-O2D
24	i	601	CLA	CHA-CBD-CGD-O1D
24	j	302	CLA	CHA-CBD-CGD-O1D
24	j	303	CLA	CHA-CBD-CGD-O2D
24	j	310	CLA	CHA-CBD-CGD-O2D
24	d	312	CLA	CHA-CBD-CGD-O2D
24	g	308	CLA	CHA-CBD-CGD-O1D
24	g	311	CLA	CHA-CBD-CGD-O1D
24	g	315	CLA	CHA-CBD-CGD-O1D
33	a	315	II0	C36-C40-C42-C41
33	j	316	II0	C36-C40-C42-C41
35	i	609	KC2	CHA-CBD-CGD-O1D
35	d	311	KC2	CHA-CBD-CGD-O2D
24	A	819	CLA	CAA-CBA-CGA-O1A
24	j	306	CLA	CAA-CBA-CGA-O1A
24	j	309	CLA	CAA-CBA-CGA-O1A
24	L	202	CLA	CAA-CBA-CGA-O2A
24	a	302	CLA	CAA-CBA-CGA-O2A
24	h	307	CLA	CAA-CBA-CGA-O2A
24	B	827	CLA	CAA-CBA-CGA-O2A
24	B	836	CLA	CAA-CBA-CGA-O2A
24	k	610	CLA	CAA-CBA-CGA-O2A
26	J	107	LHG	C16-C17-C18-C19
26	a	301	LHG	O7-C5-C6-O8
24	L	204	CLA	O1A-CGA-O2A-C1
24	g	311	CLA	O1D-CGD-O2D-CED
24	c	609	CLA	CAA-CBA-CGA-O1A
24	R	203	CLA	O1A-CGA-O2A-C1
24	B	803	CLA	CAA-CBA-CGA-O2A
24	i	610	CLA	CAA-CBA-CGA-O2A
26	j	319	LHG	O8-C23-C24-C25
26	a	301	LHG	O1-C1-C2-O2
24	a	310	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
24	f	601	CLA	C2C-C3C-CAC-CBC
24	A	808	CLA	C11-C12-C13-C15
24	A	809	CLA	C6-C7-C8-C10
24	A	827	CLA	C2-C3-C5-C6
24	A	837	CLA	C6-C7-C8-C10
24	A	841	CLA	C11-C12-C13-C15
24	B	839	CLA	C6-C7-C8-C10
24	I	102	CLA	C11-C10-C8-C7
24	b	313	CLA	C11-C12-C13-C15
24	e	606	CLA	C12-C13-C15-C16
26	i	615	LHG	O7-C7-C8-C9
24	A	808	CLA	C14-C13-C15-C16
24	A	816	CLA	C11-C12-C13-C14
24	A	825	CLA	C11-C12-C13-C14
24	A	836	CLA	C11-C12-C13-C14
24	A	839	CLA	C6-C7-C8-C9
24	b	307	CLA	C11-C12-C13-C14
24	k	608	CLA	C11-C12-C13-C14
24	B	806	CLA	CAA-CBA-CGA-O1A
27	B	845	WVN	C34-C37-C40-C39
27	K	103	WVN	C22-C26-C29-C31
27	e	615	WVN	C32-C36-C39-C40
26	a	301	LHG	C25-C26-C27-C28
24	f	613	CLA	C13-C15-C16-C17
24	g	305	CLA	C8-C10-C11-C12
24	f	605	CLA	CAA-CBA-CGA-O2A
24	A	837	CLA	C16-C17-C18-C20
24	a	310	CLA	C16-C17-C18-C20
24	a	303	CLA	C2A-CAA-CBA-CGA
24	d	303	CLA	C2A-CAA-CBA-CGA
24	a	308	CLA	C16-C17-C18-C19
24	e	606	CLA	C16-C17-C18-C19
24	e	611	CLA	C16-C17-C18-C20
24	g	308	CLA	C16-C17-C18-C20
24	B	840	CLA	CBD-CGD-O2D-CED
24	a	311	CLA	CAA-CBA-CGA-O1A
24	h	302	CLA	CAA-CBA-CGA-O1A
24	e	603	CLA	CAA-CBA-CGA-O1A
27	B	847	WVN	C29-C31-C32-C36
24	A	812	CLA	C1A-C2A-CAA-CBA
24	A	822	CLA	C1A-C2A-CAA-CBA
24	A	852	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	B	809	CLA	C1A-C2A-CAA-CBA
24	b	313	CLA	C1A-C2A-CAA-CBA
24	h	302	CLA	C1A-C2A-CAA-CBA
24	f	606	CLA	C1A-C2A-CAA-CBA
26	f	620	LHG	C35-C36-C37-C38
24	A	812	CLA	CAA-CBA-CGA-O1A
26	d	316	LHG	O9-C7-C8-C9
24	A	828	CLA	CAA-CBA-CGA-O1A
24	B	840	CLA	CAA-CBA-CGA-O1A
24	c	605	CLA	CAA-CBA-CGA-O1A
24	A	818	CLA	C2A-CAA-CBA-CGA
24	b	309	CLA	C2A-CAA-CBA-CGA
24	e	610	CLA	C2A-CAA-CBA-CGA
24	k	604	CLA	C2A-CAA-CBA-CGA
24	A	807	CLA	CBD-CGD-O2D-CED
24	L	202	CLA	CAA-CBA-CGA-O1A
24	a	302	CLA	CAA-CBA-CGA-O1A
24	g	308	CLA	CAA-CBA-CGA-O1A
24	A	812	CLA	C8-C10-C11-C12
24	e	605	CLA	C15-C16-C17-C18
24	g	308	CLA	C8-C10-C11-C12
24	A	853	CLA	C4-C3-C5-C6
24	c	606	CLA	CAA-CBA-CGA-O2A
26	A	845	LHG	O9-C7-C8-C9
24	d	304	CLA	O1A-CGA-O2A-C1
24	A	842	CLA	C5-C6-C7-C8
26	c	617	LHG	C3-O3-P-O5
26	b	320	LHG	C4-O6-P-O5
26	k	620	LHG	C4-O6-P-O4
26	d	316	LHG	C4-O6-P-O5
24	e	602	CLA	O1D-CGD-O2D-CED
24	i	604	CLA	C16-C17-C18-C20
26	c	617	LHG	C23-C24-C25-C26
26	j	319	LHG	O10-C23-C24-C25
34	R	204	IHT	C02-C07-C18-C22
24	B	827	CLA	CAA-CBA-CGA-O1A
24	J	103	CLA	CBD-CGD-O2D-CED
24	g	309	CLA	O1A-CGA-O2A-C1
24	A	833	CLA	CAA-CBA-CGA-O2A
24	a	305	CLA	CAA-CBA-CGA-O2A
24	d	307	CLA	CAA-CBA-CGA-O2A
24	i	610	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
32	L	208	LMG	C11-C12-C13-C14
24	B	830	CLA	CAA-CBA-CGA-O2A
24	i	603	CLA	CAA-CBA-CGA-O2A
24	j	308	CLA	CAA-CBA-CGA-O2A
24	A	836	CLA	C8-C10-C11-C12
24	j	314	CLA	C5-C6-C7-C8
24	i	601	CLA	CAA-CBA-CGA-O1A
24	A	802	CLA	C2-C3-C5-C6
24	B	803	CLA	C8-C10-C11-C12
24	A	812	CLA	CAD-CBD-CGD-O1D
24	A	841	CLA	CAD-CBD-CGD-O1D
24	A	853	CLA	CAD-CBD-CGD-O1D
24	B	821	CLA	CAD-CBD-CGD-O1D
24	B	832	CLA	CAD-CBD-CGD-O1D
24	B	841	CLA	CAD-CBD-CGD-O1D
24	a	305	CLA	CAD-CBD-CGD-O1D
24	a	312	CLA	CAD-CBD-CGD-O1D
24	b	303	CLA	C2-C3-C5-C6
24	b	309	CLA	CAD-CBD-CGD-O1D
24	b	313	CLA	CAD-CBD-CGD-O1D
24	e	610	CLA	CAD-CBD-CGD-O1D
24	k	601	CLA	CAD-CBD-CGD-O1D
24	k	610	CLA	CAD-CBD-CGD-O1D
24	i	601	CLA	CAD-CBD-CGD-O1D
24	j	302	CLA	CAD-CBD-CGD-O1D
24	j	306	CLA	CAD-CBD-CGD-O1D
24	j	307	CLA	CAD-CBD-CGD-O1D
24	j	313	CLA	C2-C3-C5-C6
24	d	305	CLA	C2-C3-C5-C6
24	g	315	CLA	CAD-CBD-CGD-O1D
35	k	612	KC2	CAD-CBD-CGD-O1D
35	i	616	KC2	CAD-CBD-CGD-O1D
35	j	312	KC2	CAD-CBD-CGD-O1D
35	g	312	KC2	CAD-CBD-CGD-O1D
24	a	310	CLA	CAA-CBA-CGA-O1A
24	A	825	CLA	C8-C10-C11-C12
24	O	205	CLA	C5-C6-C7-C8
24	b	306	CLA	C8-C10-C11-C12
24	A	835	CLA	C11-C10-C8-C9
24	A	841	CLA	C11-C12-C13-C14
24	B	818	CLA	C6-C7-C8-C9
24	B	830	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
24	k	604	CLA	C14-C13-C15-C16
24	f	609	CLA	C11-C12-C13-C14
24	i	606	CLA	C11-C12-C13-C14
32	b	301	LMG	C21-C22-C23-C24
24	A	855	CLA	C10-C11-C12-C13
24	A	836	CLA	CAA-CBA-CGA-O1A
26	b	320	LHG	C15-C16-C17-C18
24	B	806	CLA	C16-C17-C18-C19
24	f	603	CLA	CAA-CBA-CGA-O2A
26	c	618	LHG	C31-C32-C33-C34
24	h	305	CLA	O1A-CGA-O2A-C1
24	B	811	CLA	C2C-C3C-CAC-CBC
26	b	302	LHG	C29-C30-C31-C32
24	A	808	CLA	CAA-CBA-CGA-O2A
24	c	602	CLA	CAA-CBA-CGA-O2A
24	e	608	CLA	CAA-CBA-CGA-O2A
24	e	611	CLA	CAA-CBA-CGA-O2A
24	j	302	CLA	CAA-CBA-CGA-O2A
24	d	302	CLA	CAA-CBA-CGA-O2A
32	J	106	LMG	O8-C28-C29-C30
26	g	301	LHG	C11-C10-C9-C8
24	B	836	CLA	CAA-CBA-CGA-O1A
24	A	831	CLA	C16-C17-C18-C20
24	e	611	CLA	C4-C3-C5-C6
24	k	609	CLA	C4-C3-C5-C6
25	B	842	PQN	C20-C21-C22-C23
26	f	620	LHG	C33-C34-C35-C36
24	A	802	CLA	C11-C10-C8-C7
24	A	816	CLA	C11-C12-C13-C15
24	A	828	CLA	C12-C13-C15-C16
24	A	852	CLA	C11-C10-C8-C7
24	B	803	CLA	C12-C13-C15-C16
24	B	816	CLA	C6-C7-C8-C10
24	B	824	CLA	C11-C10-C8-C7
24	B	830	CLA	C11-C10-C8-C7
24	I	102	CLA	C3A-C2A-CAA-CBA
24	I	102	CLA	C6-C7-C8-C10
24	O	201	CLA	C12-C13-C15-C16
24	O	205	CLA	C12-C13-C15-C16
24	b	307	CLA	C12-C13-C15-C16
24	b	312	CLA	C3A-C2A-CAA-CBA
24	k	607	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
24	k	608	CLA	C11-C12-C13-C15
24	f	607	CLA	C12-C13-C15-C16
24	d	303	CLA	C11-C12-C13-C15
24	g	305	CLA	C12-C13-C15-C16
24	g	308	CLA	C11-C12-C13-C15
24	R	203	CLA	C3A-C2A-CAA-CBA
27	A	849	WVN	C05-C02-C11-C19
24	h	307	CLA	CAA-CBA-CGA-O1A
24	e	608	CLA	CAA-CBA-CGA-O1A
24	k	610	CLA	CAA-CBA-CGA-O1A
24	B	820	CLA	CAA-CBA-CGA-O2A
24	K	101	CLA	CAA-CBA-CGA-O2A
24	e	605	CLA	CAA-CBA-CGA-O2A
24	j	311	CLA	CAA-CBA-CGA-O2A
26	A	844	LHG	O7-C7-C8-C9
27	F	204	WVN	C20-C23-C25-C28
27	F	204	WVN	C30-C33-C34-C37
27	K	103	WVN	C30-C33-C34-C37
33	h	310	II0	C31-C33-C35-C39
33	e	613	II0	C31-C33-C35-C39
24	A	833	CLA	CAA-CBA-CGA-O1A
24	e	605	CLA	CAA-CBA-CGA-O1A
27	A	848	WVN	C22-C26-C29-C31
27	B	847	WVN	C32-C36-C39-C40
24	f	606	CLA	CAA-CBA-CGA-O2A
24	j	305	CLA	CAA-CBA-CGA-O2A
24	d	304	CLA	CAA-CBA-CGA-O2A
24	J	103	CLA	O1D-CGD-O2D-CED
24	c	606	CLA	CAA-CBA-CGA-O1A
24	e	611	CLA	CAA-CBA-CGA-O1A
24	j	302	CLA	CAA-CBA-CGA-O1A
26	A	844	LHG	O9-C7-C8-C9
26	i	615	LHG	O9-C7-C8-C9
24	A	810	CLA	C10-C11-C12-C13
24	b	313	CLA	C15-C16-C17-C18
24	c	603	CLA	CAA-CBA-CGA-O2A
24	b	311	CLA	CAA-CBA-CGA-O2A
24	e	604	CLA	CAA-CBA-CGA-O2A
24	k	604	CLA	CAA-CBA-CGA-O2A
24	f	604	CLA	CAA-CBA-CGA-O2A
24	d	305	CLA	CAA-CBA-CGA-O2A
24	B	835	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
24	d	304	CLA	CAA-CBA-CGA-O1A
32	J	106	LMG	O10-C28-C29-C30
24	c	608	CLA	CAA-CBA-CGA-O2A
24	d	303	CLA	CAA-CBA-CGA-O2A

There are no ring outliers.

107 monomers are involved in 243 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
24	A	855	CLA	6	0
24	A	808	CLA	1	0
24	B	839	CLA	2	0
24	A	819	CLA	1	0
24	A	811	CLA	2	0
24	A	804	CLA	3	0
24	B	829	CLA	2	0
24	B	811	CLA	1	0
24	B	822	CLA	6	0
24	K	101	CLA	2	0
24	A	841	CLA	3	0
24	A	852	CLA	2	0
24	B	834	CLA	3	0
24	A	824	CLA	2	0
24	A	821	CLA	2	0
24	O	205	CLA	6	0
24	B	809	CLA	1	0
24	B	810	CLA	2	0
29	C	102	SF4	3	0
26	A	845	LHG	1	0
24	B	806	CLA	3	0
24	B	828	CLA	2	0
24	A	827	CLA	6	0
24	A	818	CLA	2	0
24	B	803	CLA	4	0
24	B	812	CLA	4	0
24	A	801	CLA	4	0
26	B	802	LHG	3	0
24	A	856	CLA	1	0
24	B	837	CLA	4	0
24	A	829	CLA	3	0
24	L	202	CLA	2	0
24	B	825	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
24	A	823	CLA	3	0
24	B	821	CLA	1	0
26	A	844	LHG	2	0
24	B	819	CLA	1	0
24	A	817	CLA	4	0
24	A	814	CLA	2	0
24	B	840	CLA	2	0
30	B	843	DGD	3	0
24	R	203	CLA	1	0
24	B	817	CLA	2	0
24	A	836	CLA	3	0
24	B	841	CLA	5	0
32	J	106	LMG	3	0
24	B	824	CLA	3	0
24	A	809	CLA	3	0
24	A	813	CLA	2	0
24	B	832	CLA	4	0
31	B	844	LMU	1	0
29	C	101	SF4	4	0
24	B	807	CLA	2	0
24	B	826	CLA	1	0
24	F	201	CLA	3	0
24	A	838	CLA	2	0
24	I	102	CLA	2	0
24	B	833	CLA	3	0
24	A	820	CLA	4	0
24	A	802	CLA	6	0
32	F	206	LMG	2	0
24	B	808	CLA	1	0
24	A	830	CLA	1	0
24	O	201	CLA	3	0
24	B	836	CLA	5	0
25	A	843	PQN	2	0
24	A	837	CLA	2	0
24	B	801	CLA	7	0
24	B	815	CLA	1	0
24	F	202	CLA	2	0
24	B	827	CLA	4	0
24	A	810	CLA	1	0
24	L	203	CLA	4	0
32	L	208	LMG	2	0
24	B	831	CLA	2	0

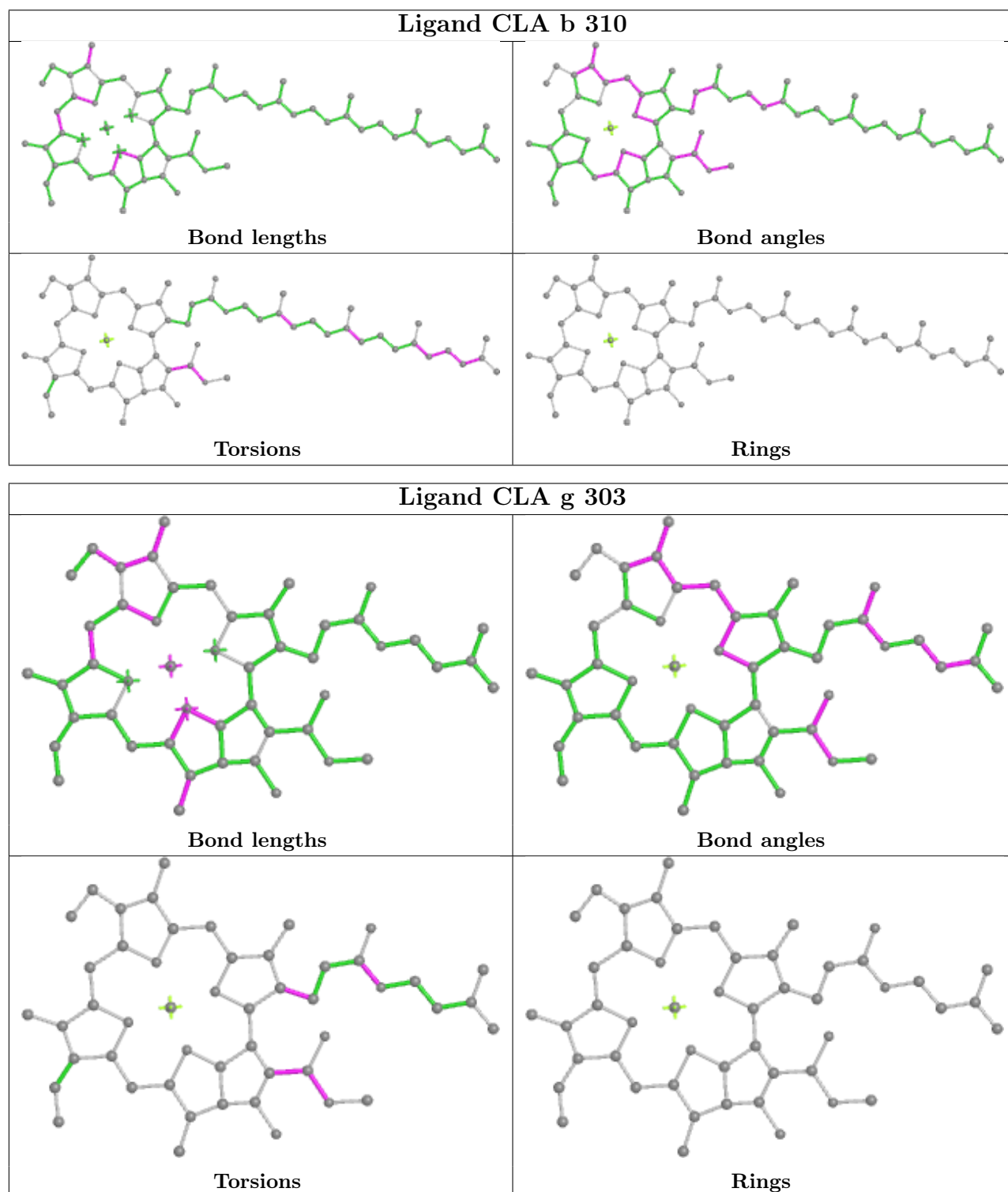
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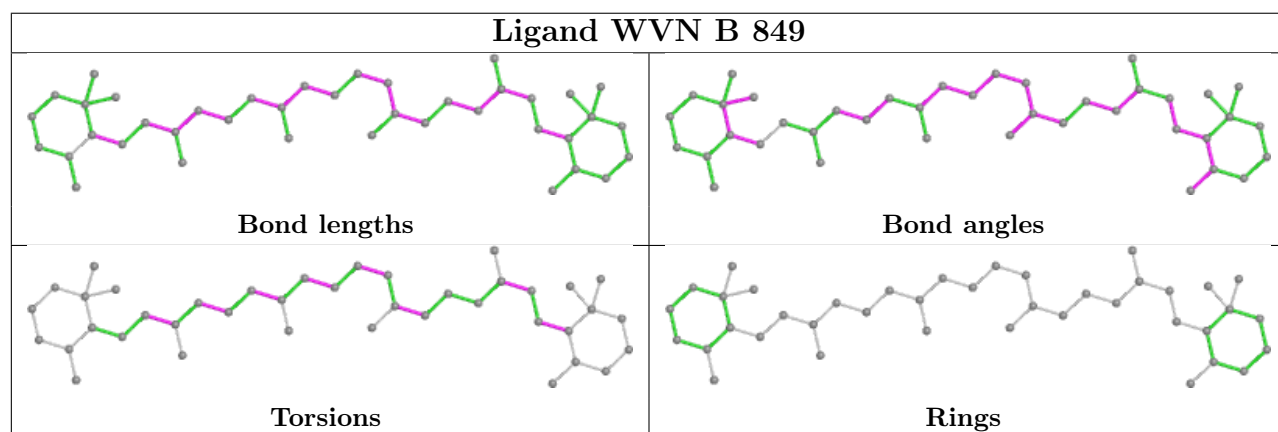
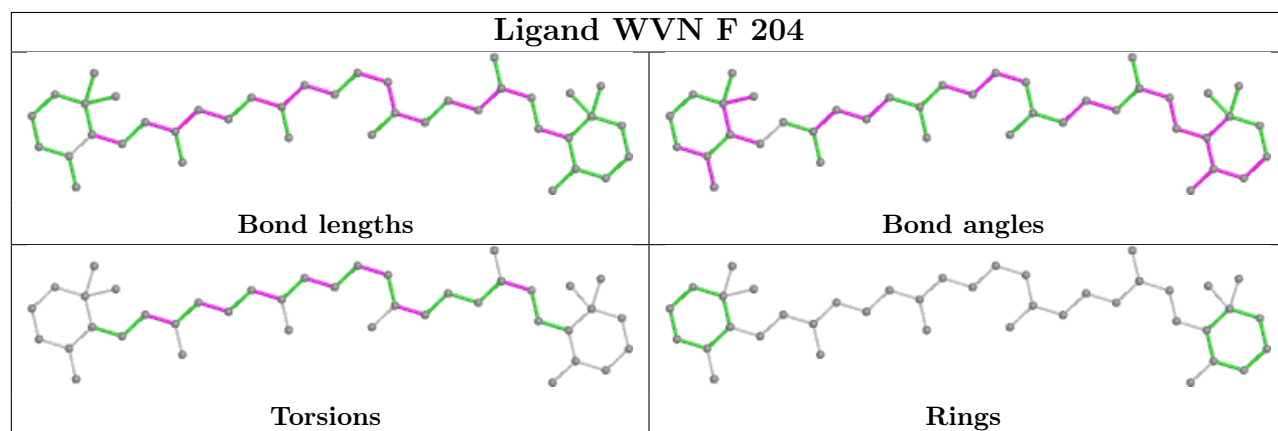
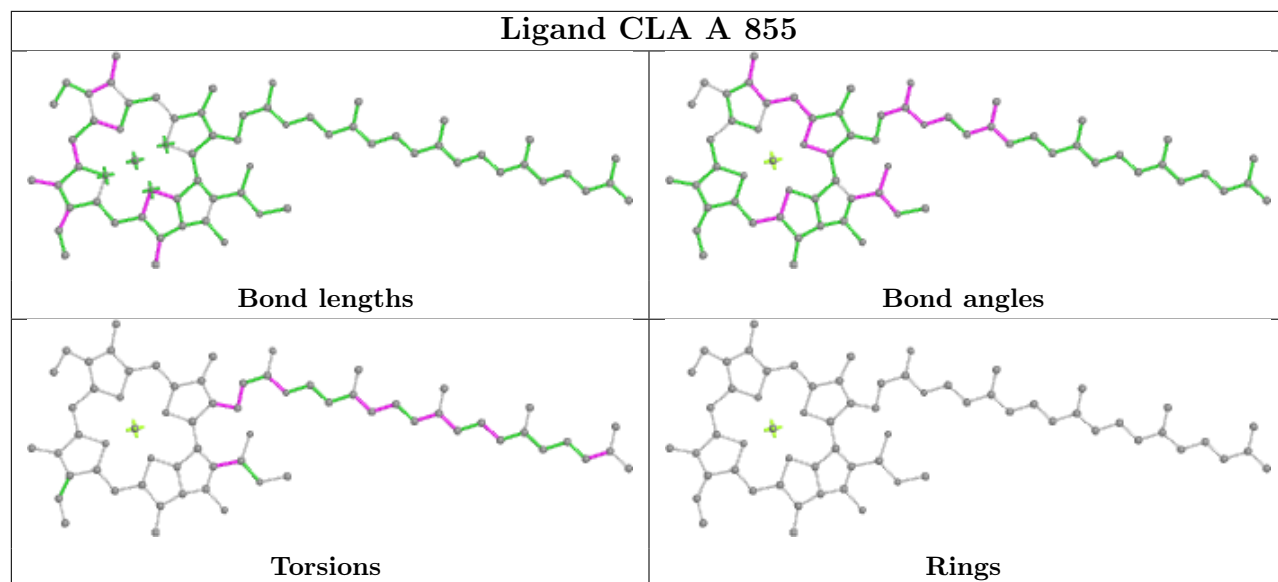
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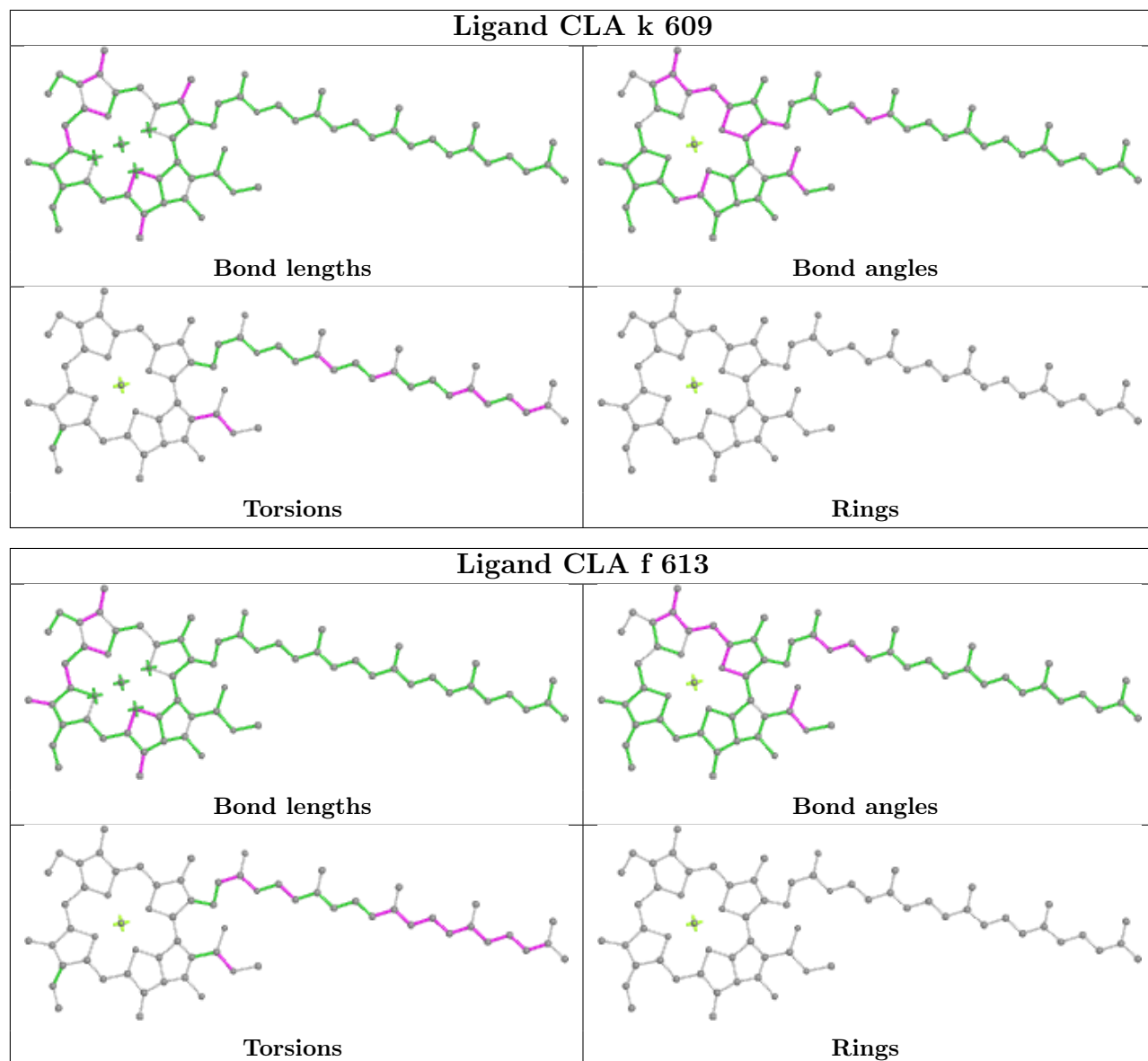
Mol	Chain	Res	Type	Clashes	Symm-Clashes
24	A	839	CLA	5	0
24	B	805	CLA	1	0
24	A	835	CLA	3	0
24	B	804	CLA	3	0
24	A	840	CLA	5	0
26	J	107	LHG	5	0
24	B	820	CLA	4	0
24	A	805	CLA	1	0
24	A	807	CLA	4	0
24	B	816	CLA	2	0
24	A	822	CLA	2	0
24	B	823	CLA	6	0
24	A	842	CLA	8	0
24	A	834	CLA	1	0
24	J	105	CLA	3	0
24	J	103	CLA	1	0
24	A	853	CLA	2	0
24	B	818	CLA	1	0
24	B	814	CLA	1	0
24	L	204	CLA	1	0
24	A	831	CLA	1	0
24	A	806	CLA	6	0
24	B	835	CLA	4	0
24	A	828	CLA	2	0
29	A	854	SF4	4	0
24	A	803	CLA	3	0
24	L	207	CLA	1	0
25	B	842	PQN	5	0
24	A	812	CLA	2	0
24	B	830	CLA	3	0
24	A	815	CLA	2	0
28	A	851	LMT	1	0

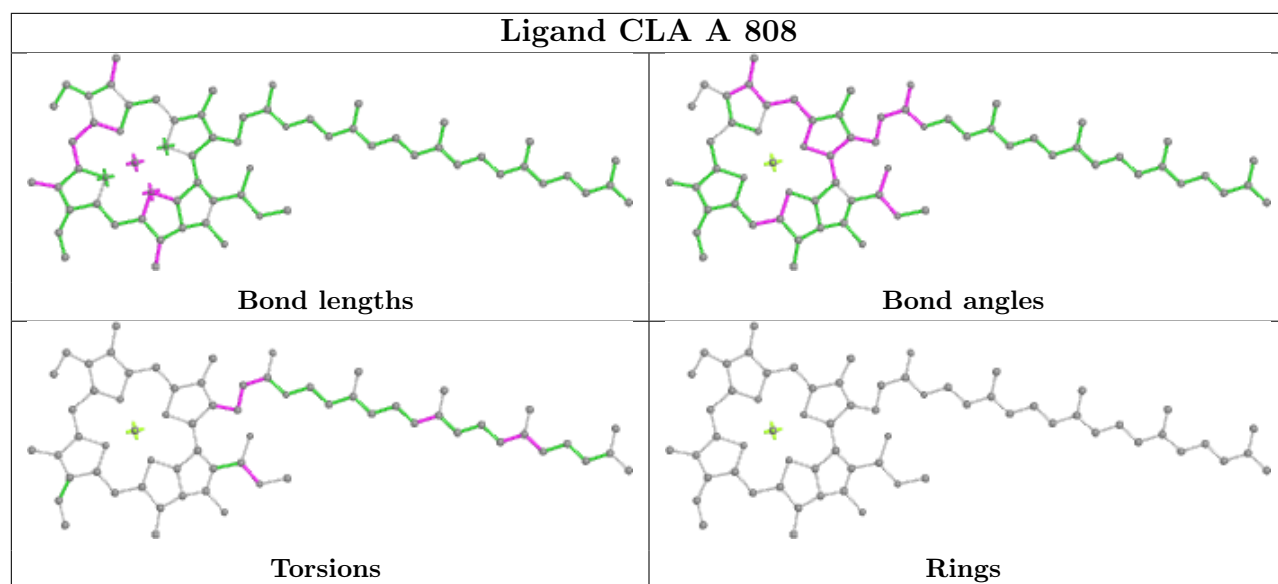
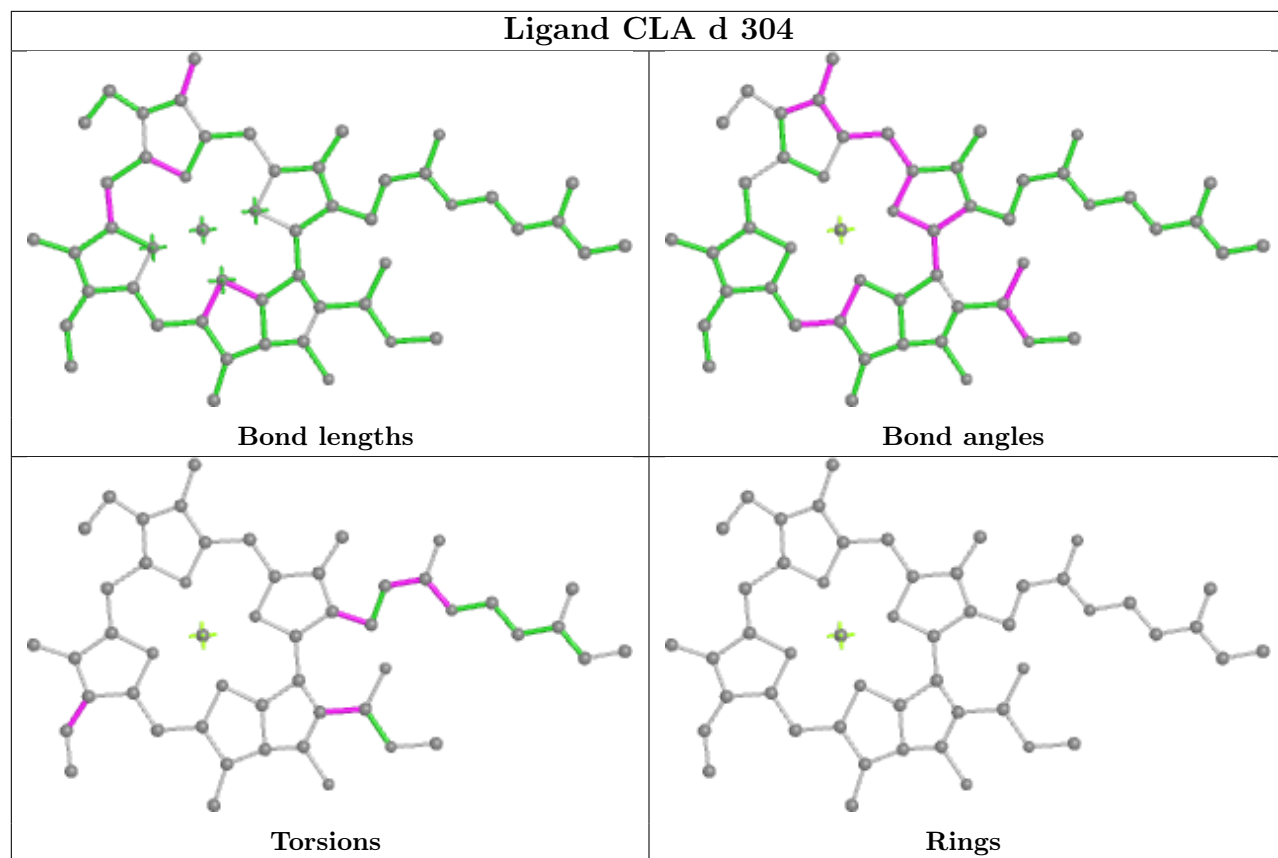
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier.

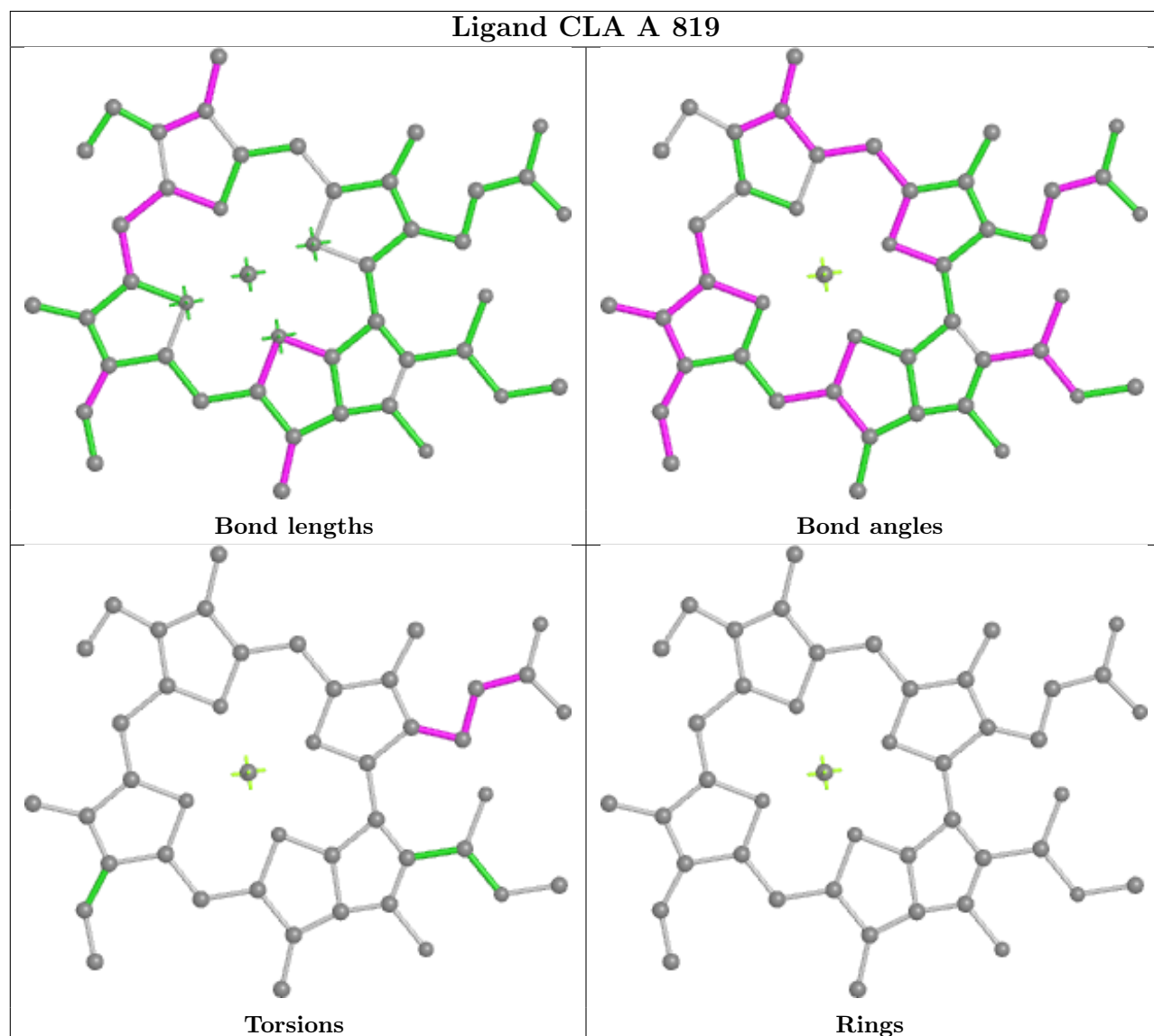
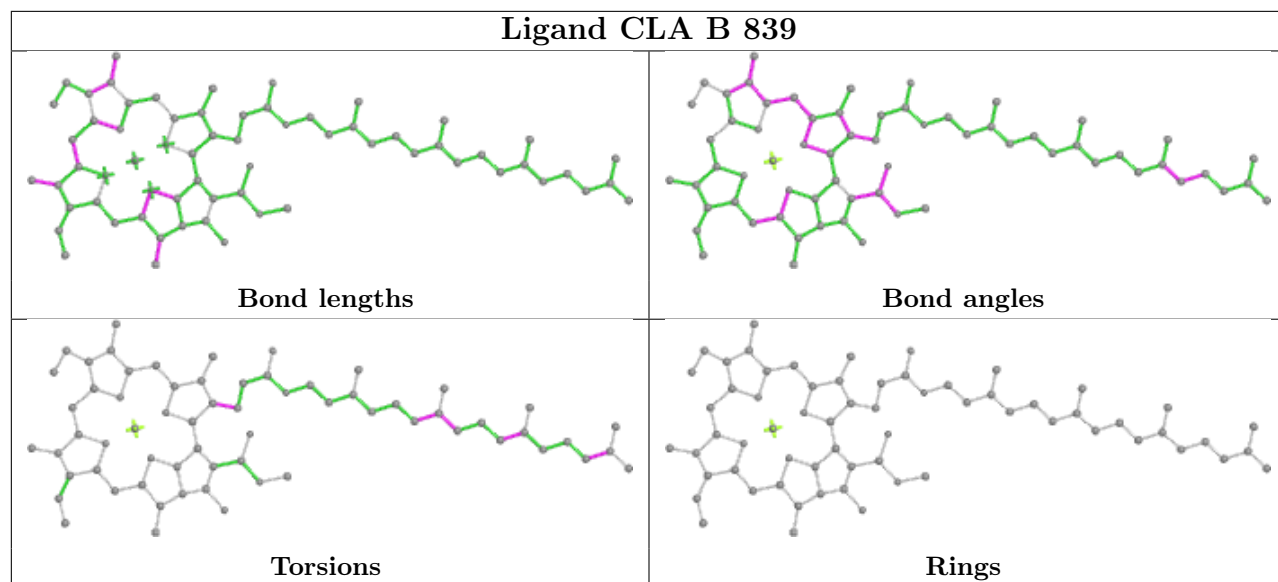
The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

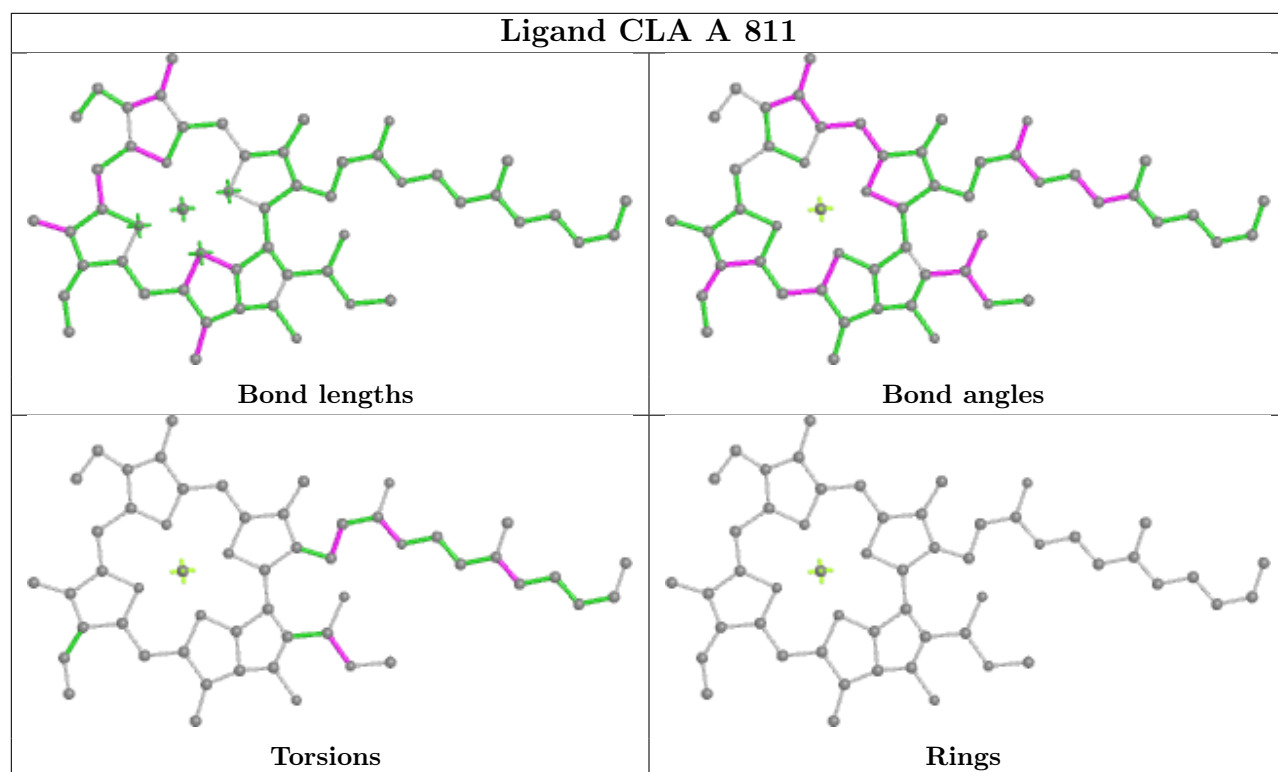
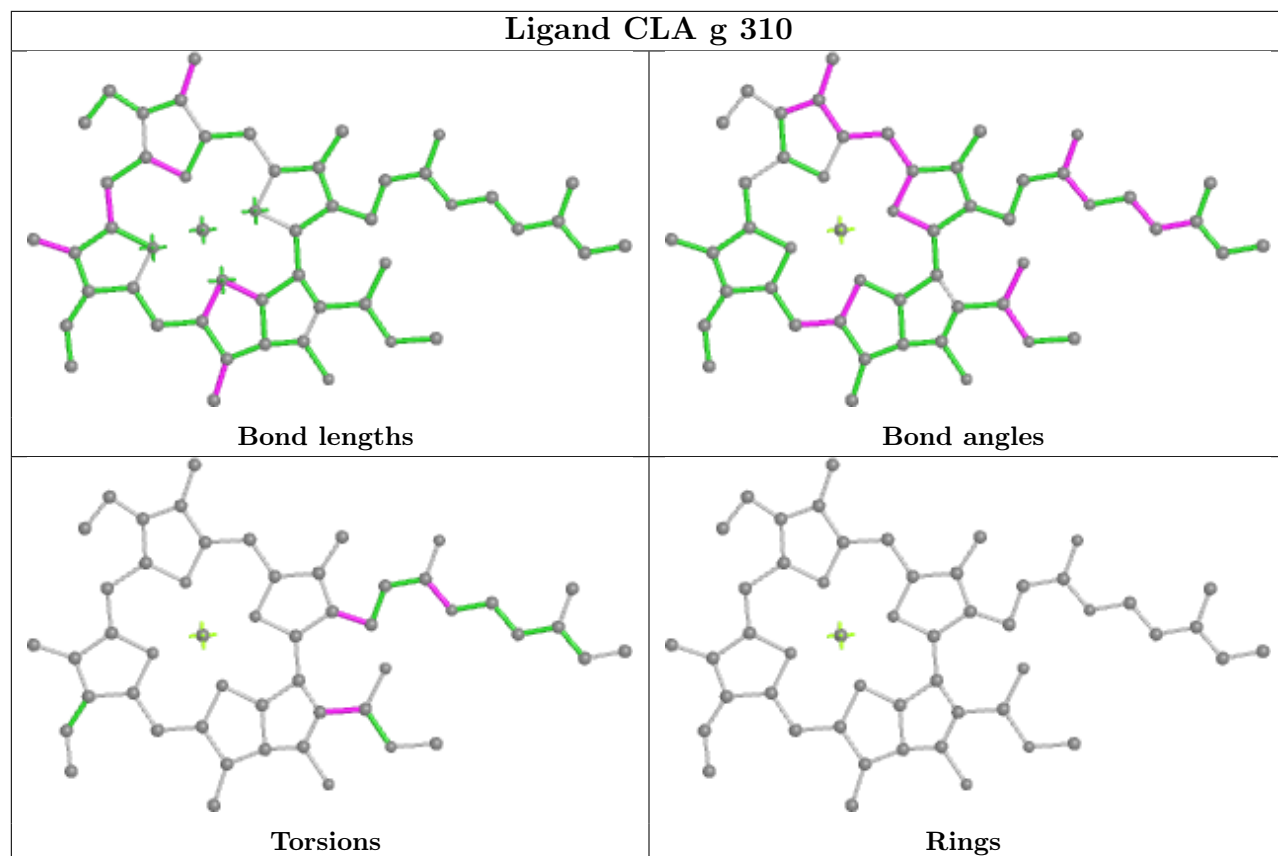


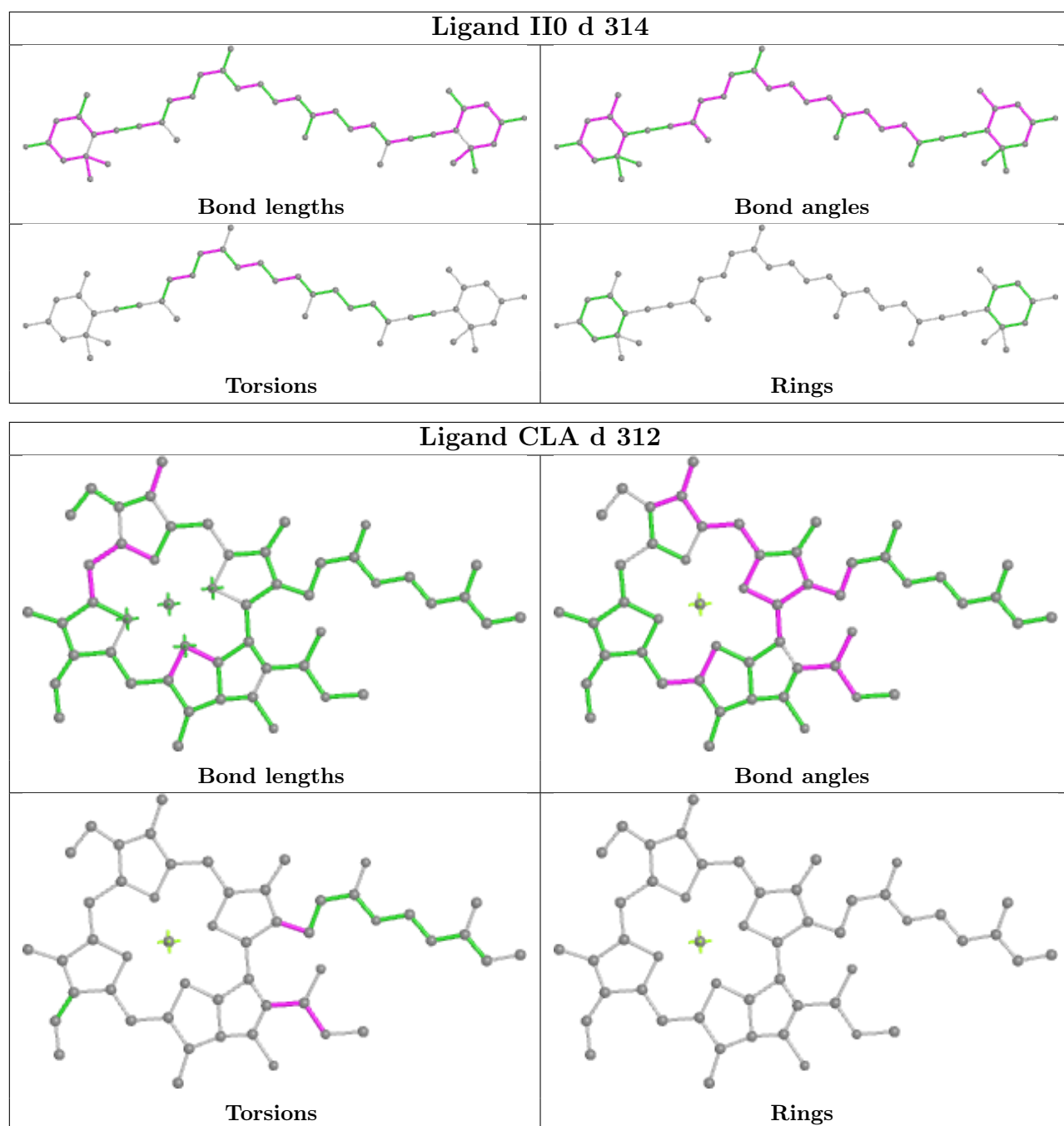


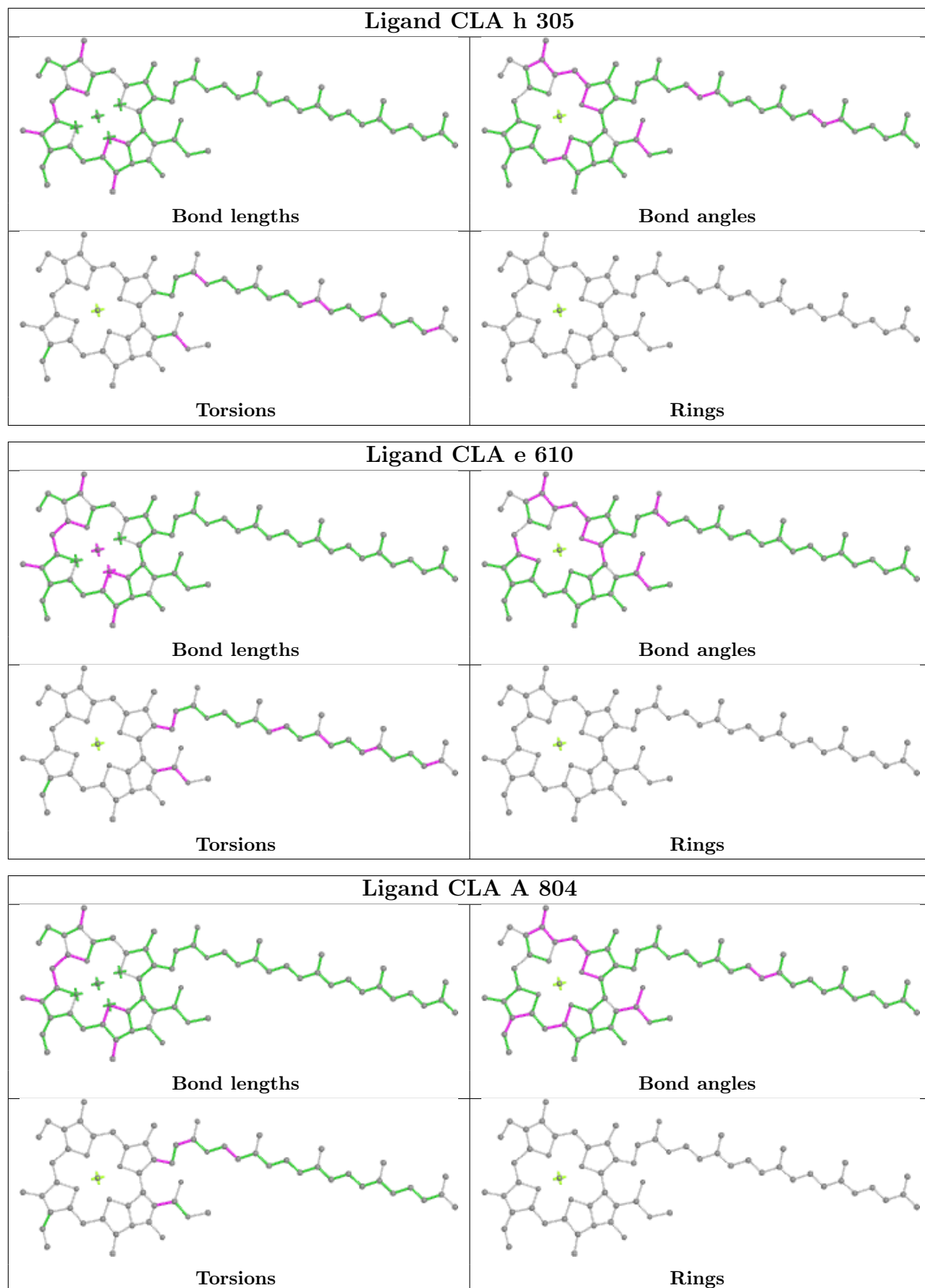


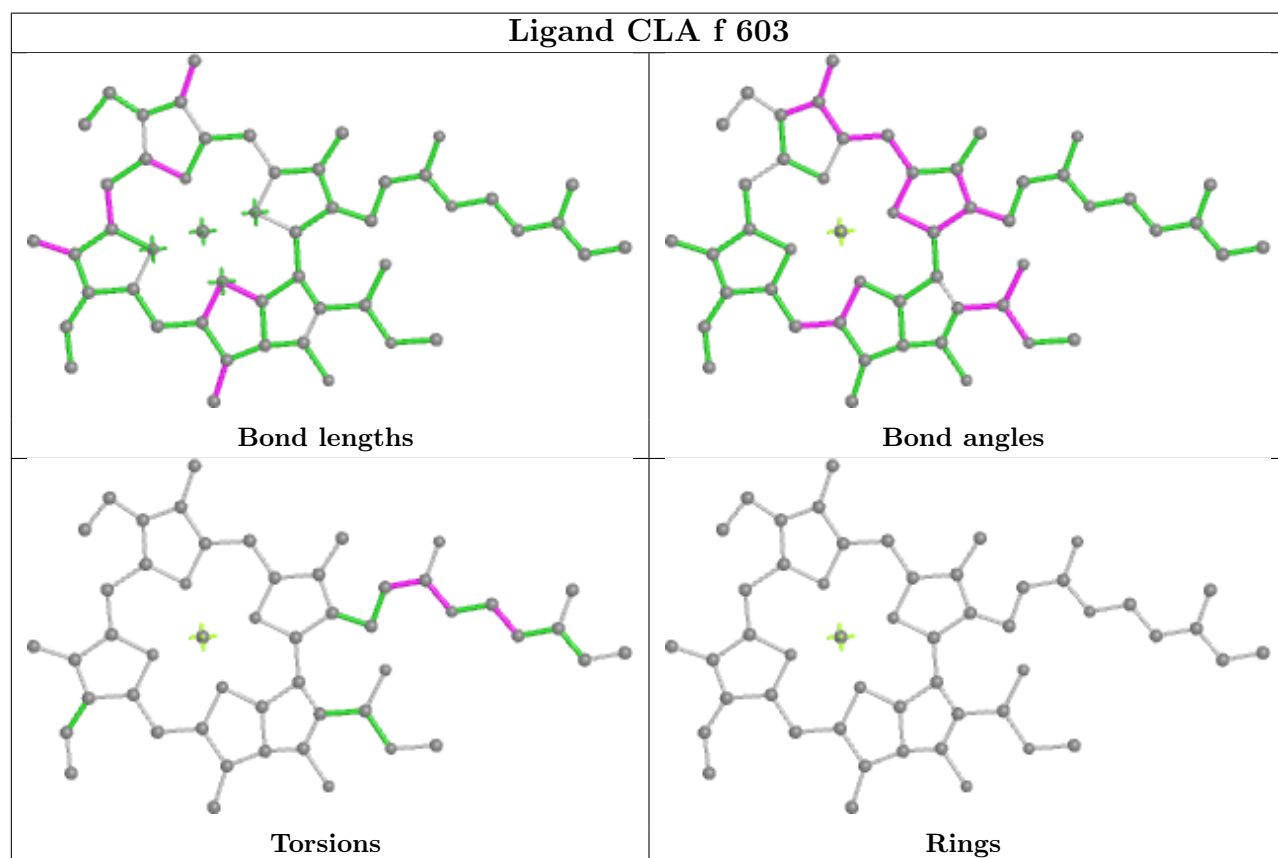
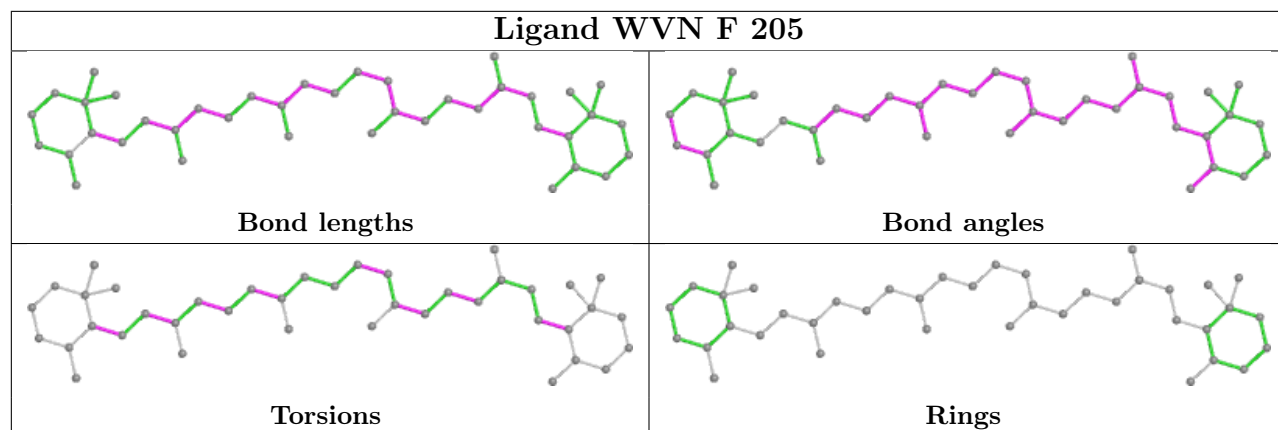


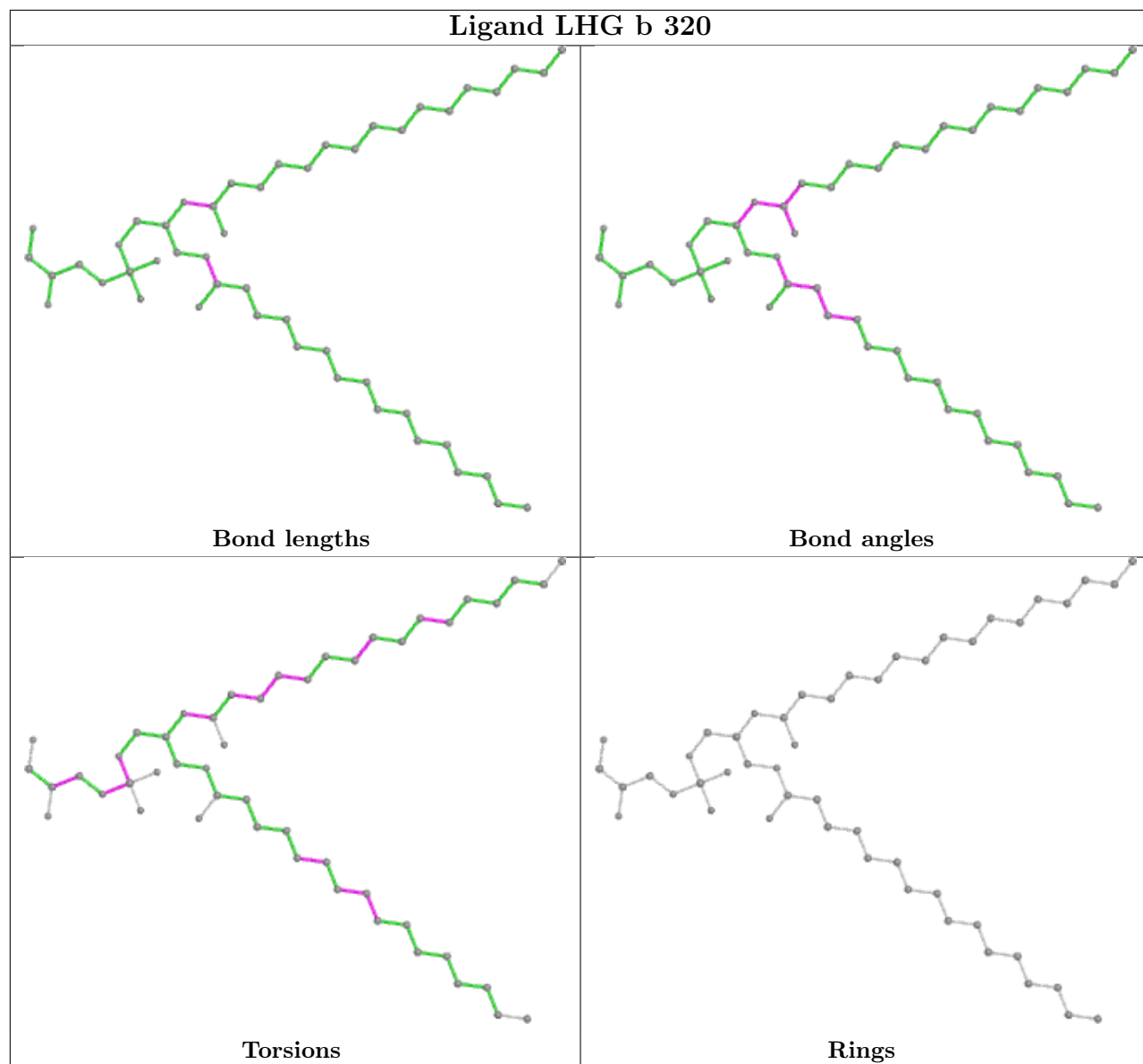


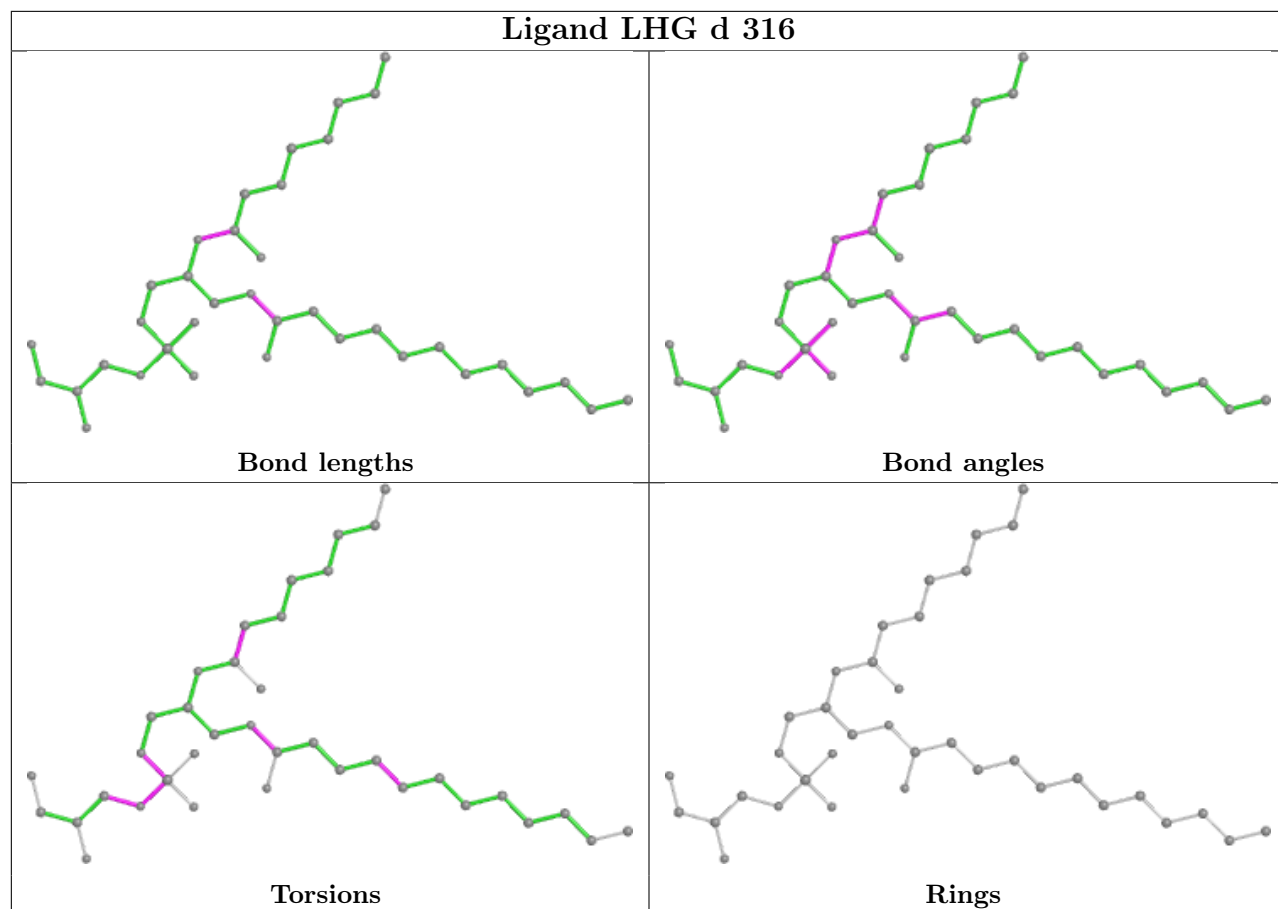


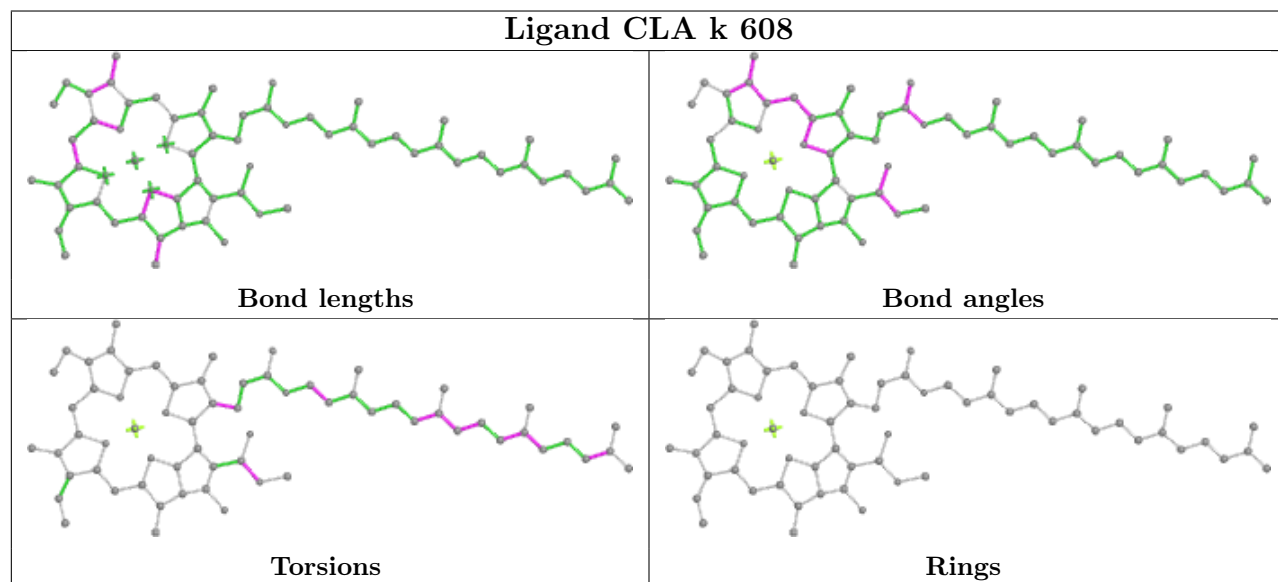
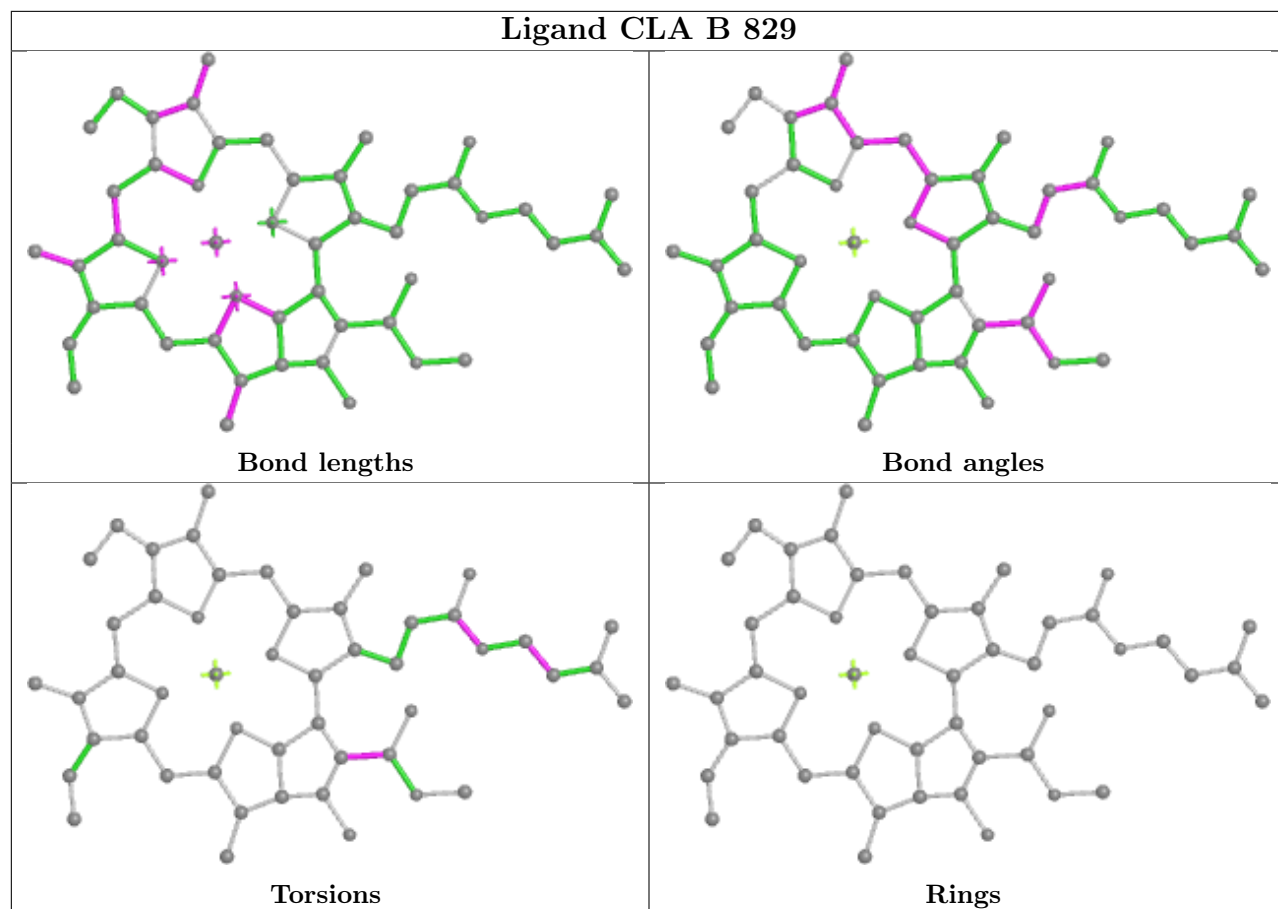


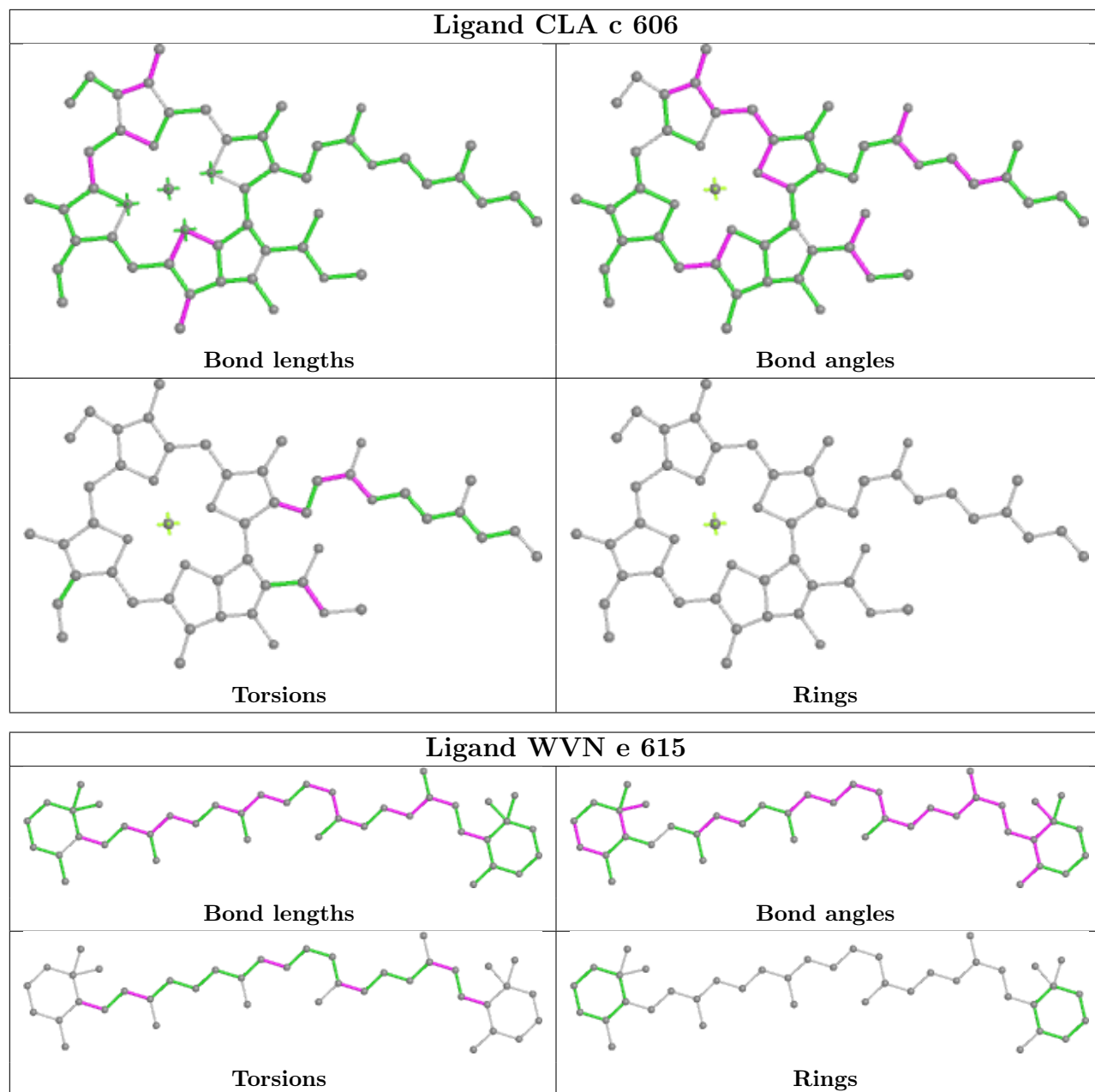


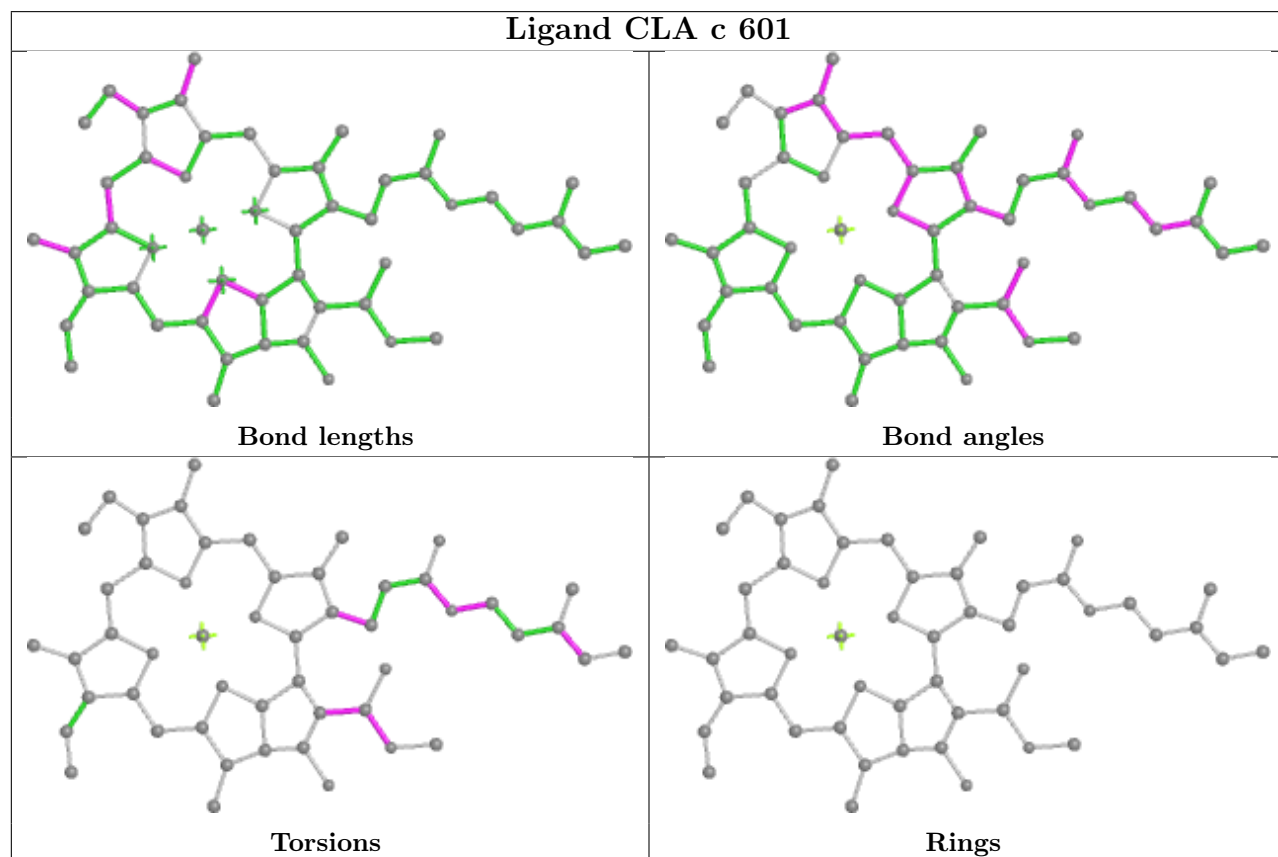
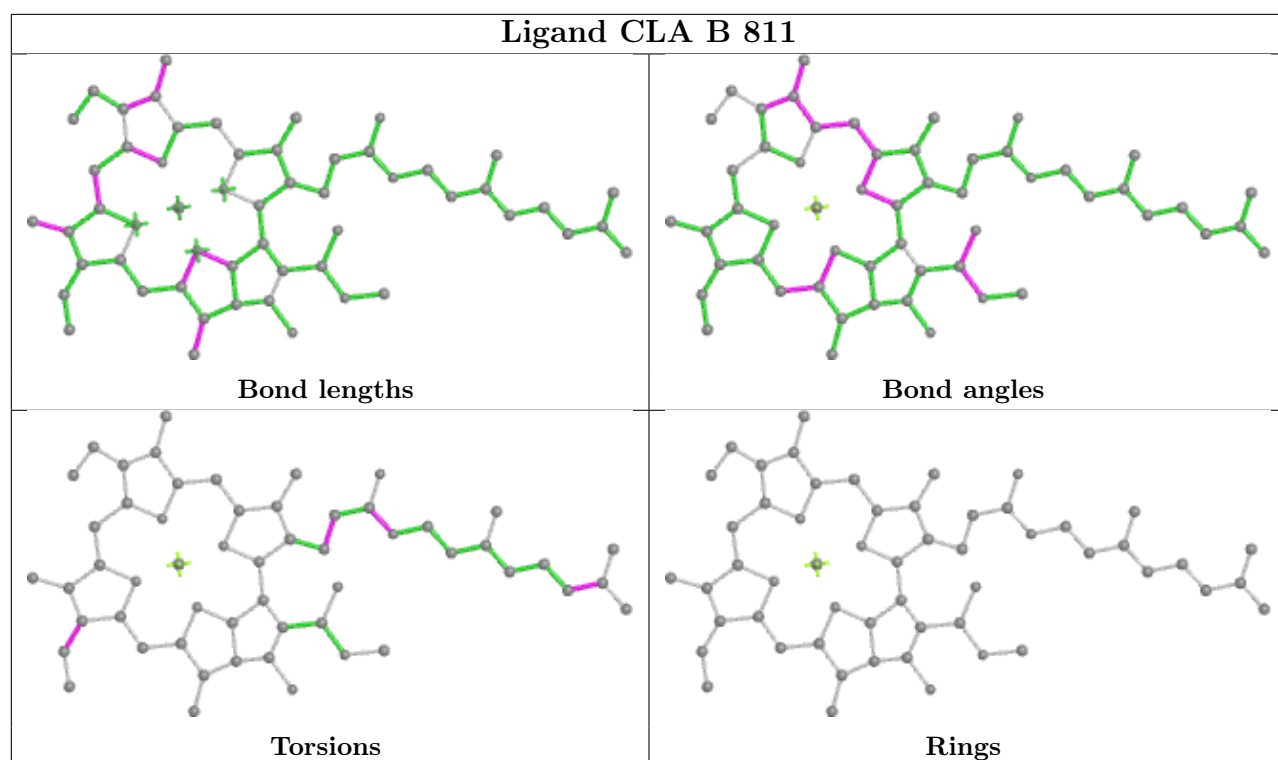


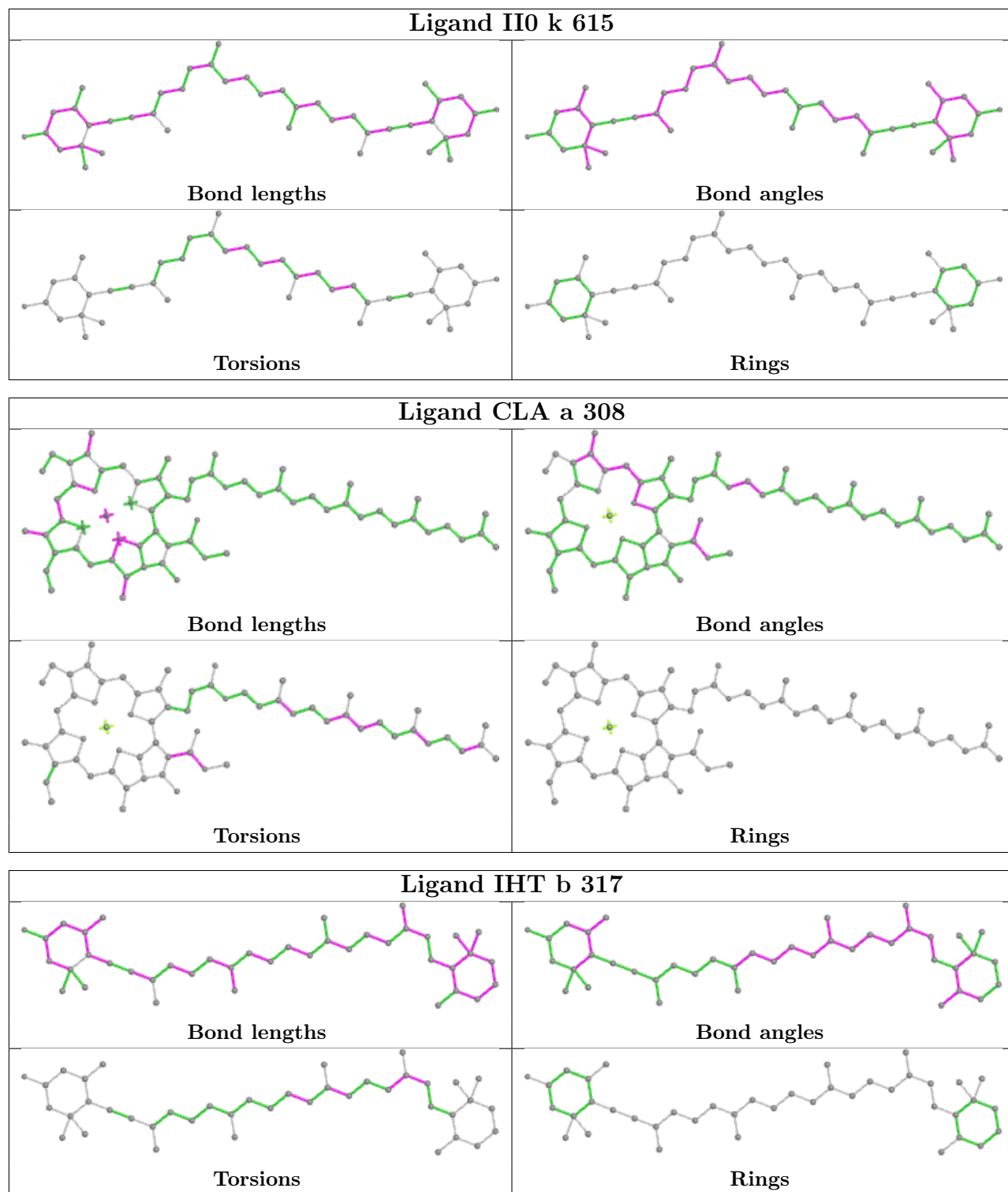


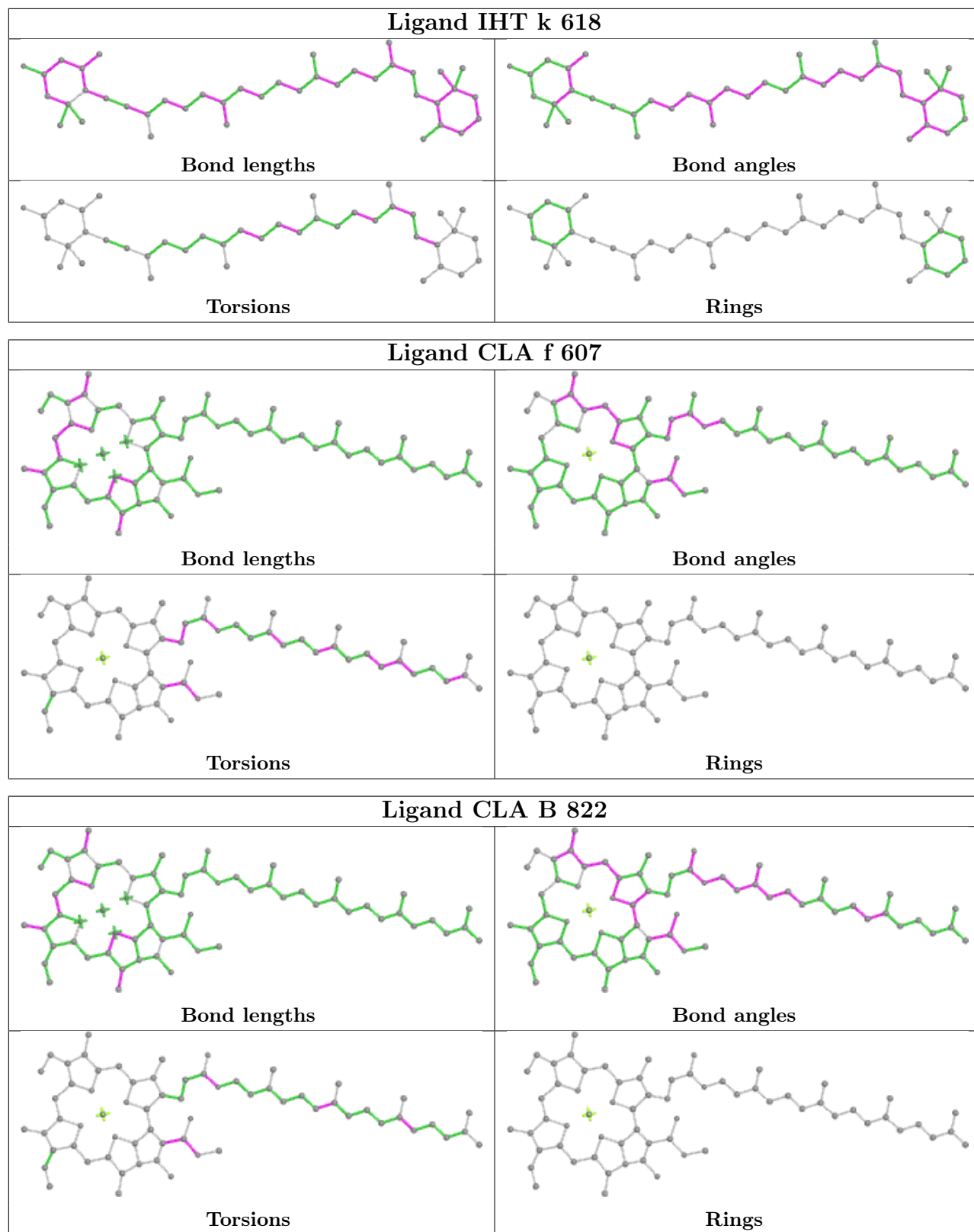


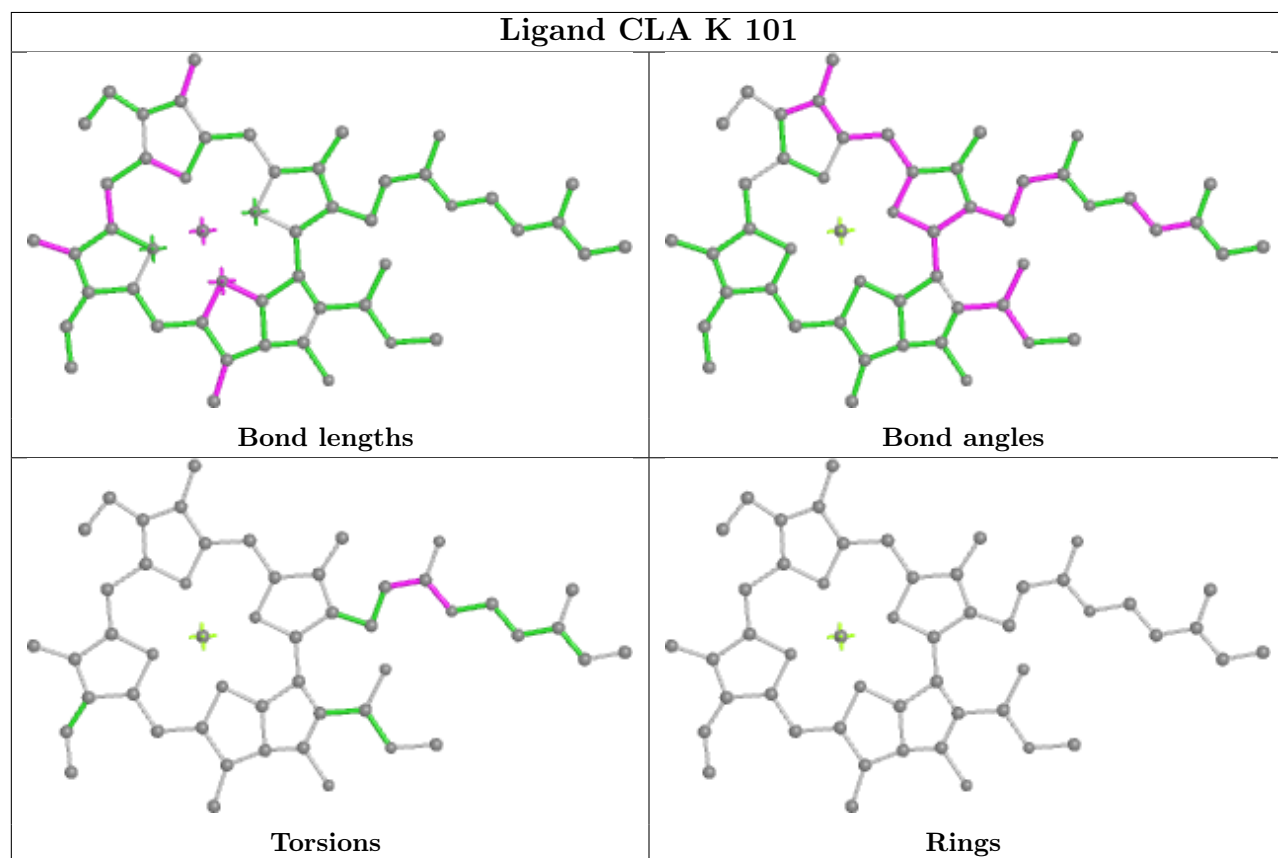
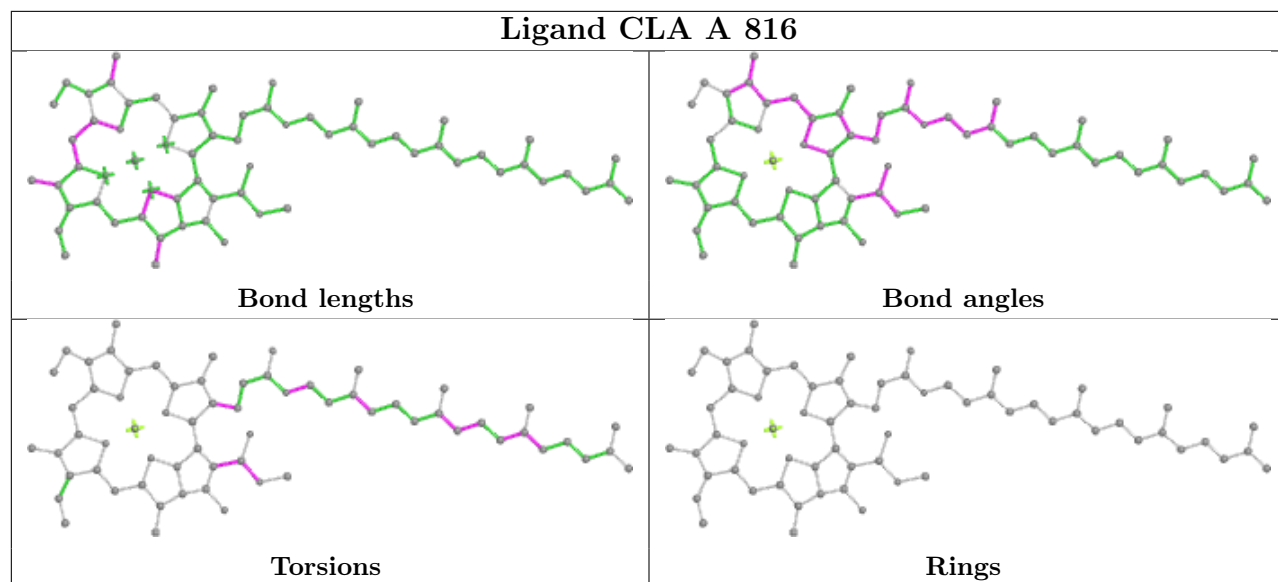


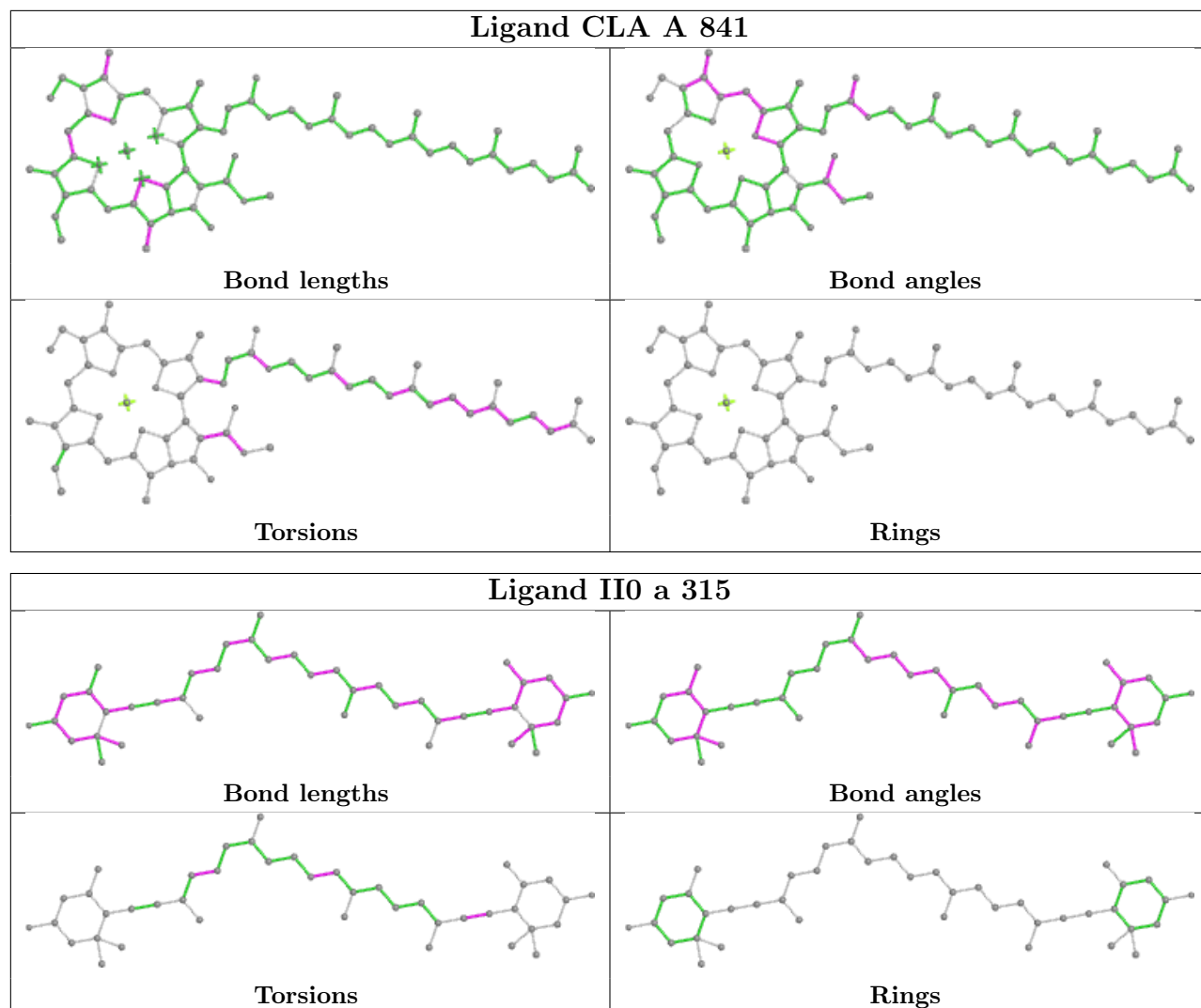


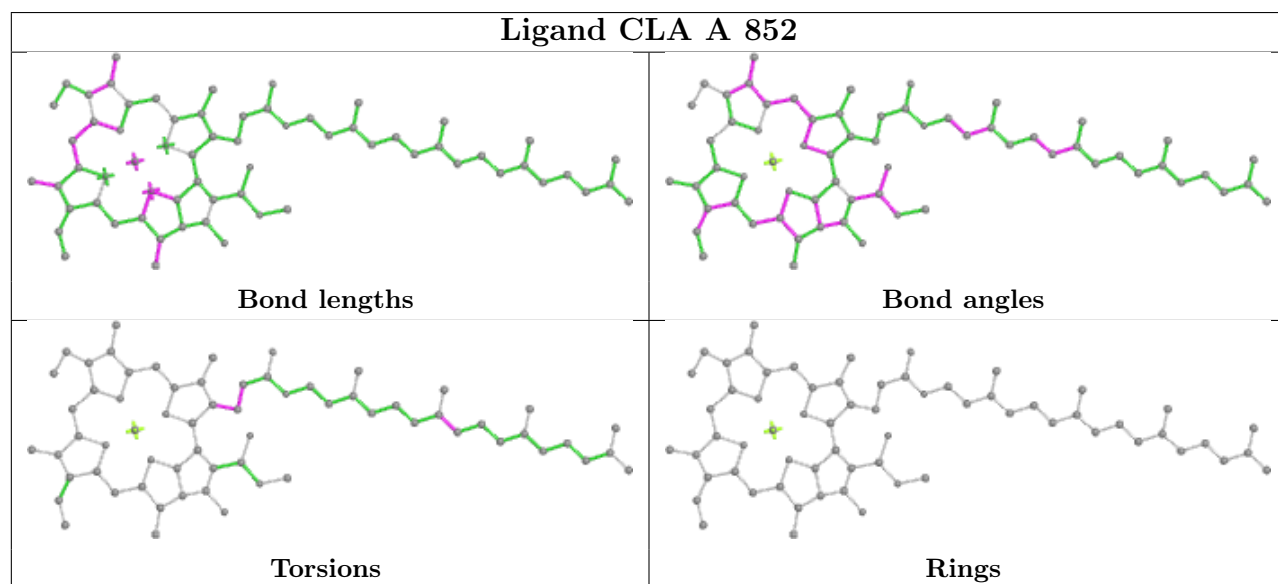
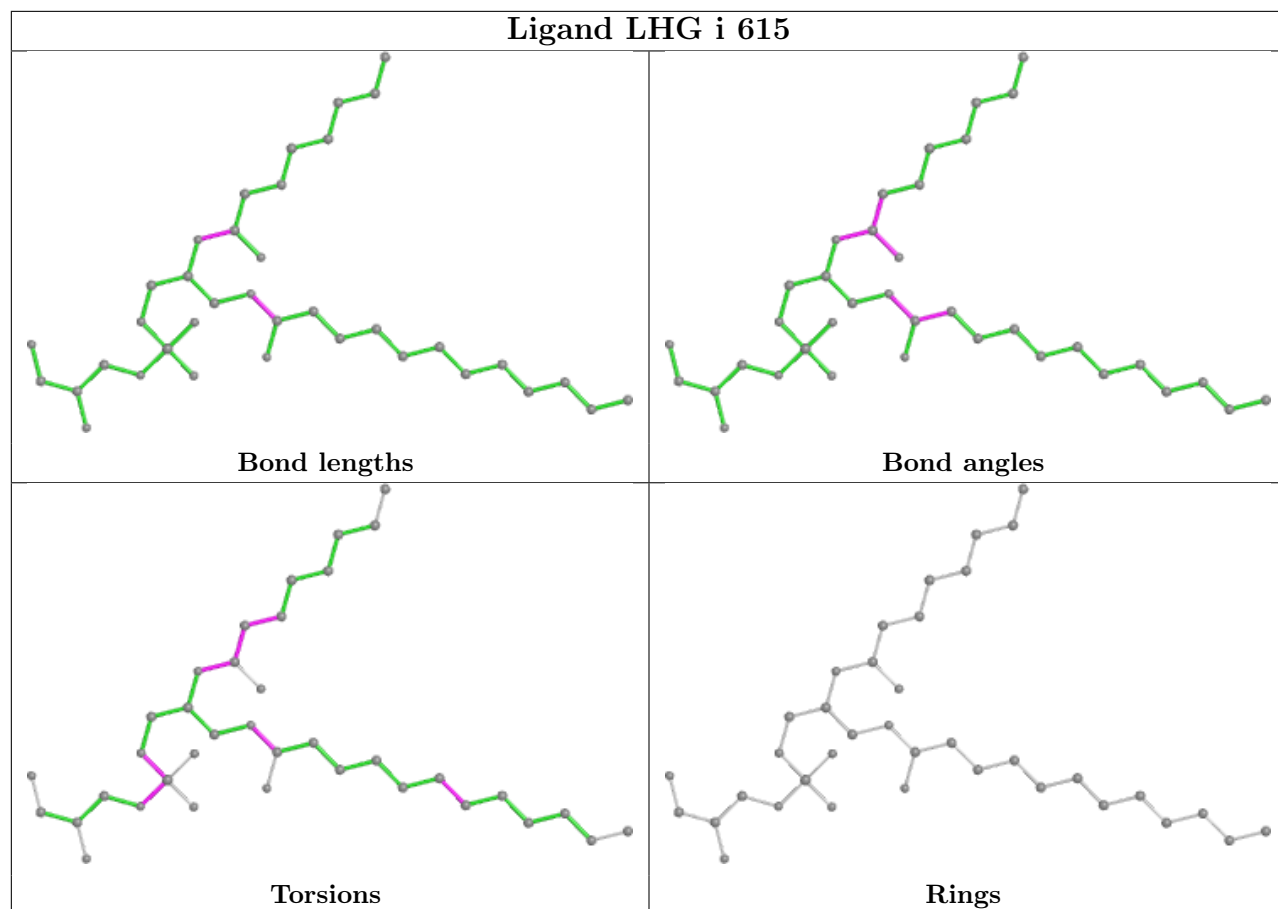


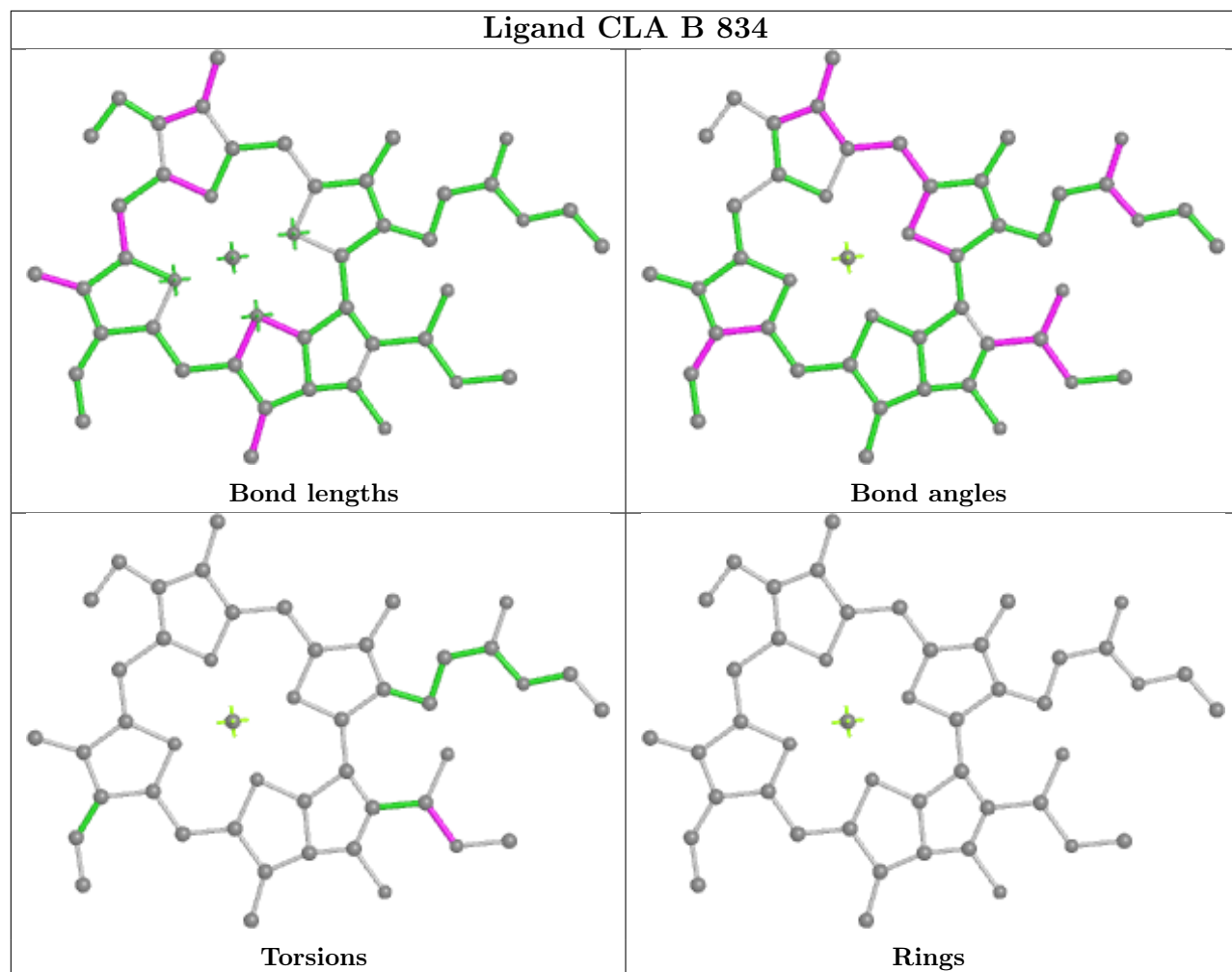


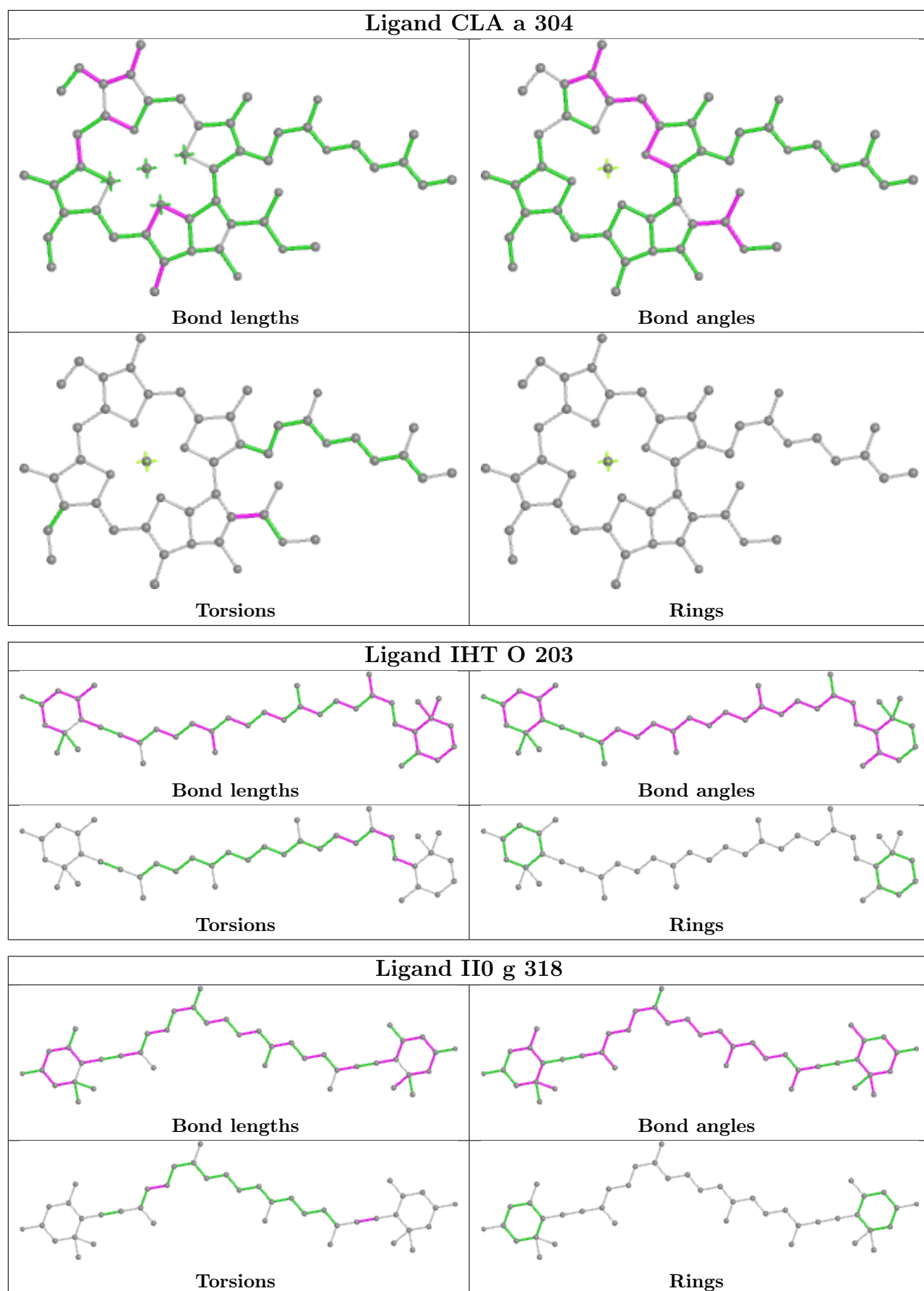


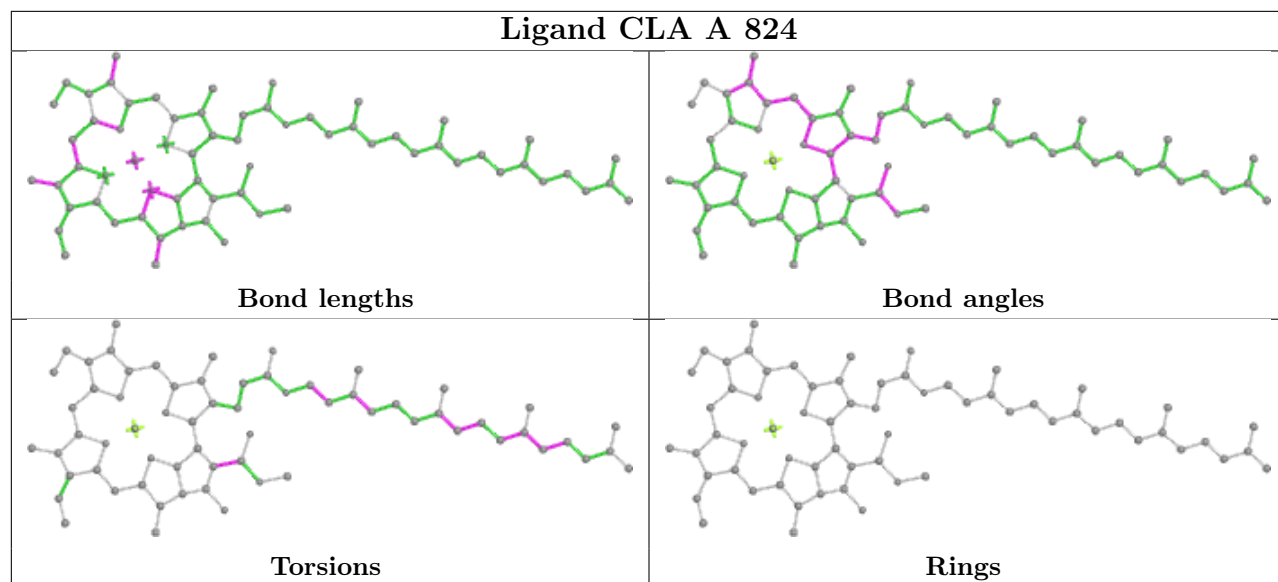
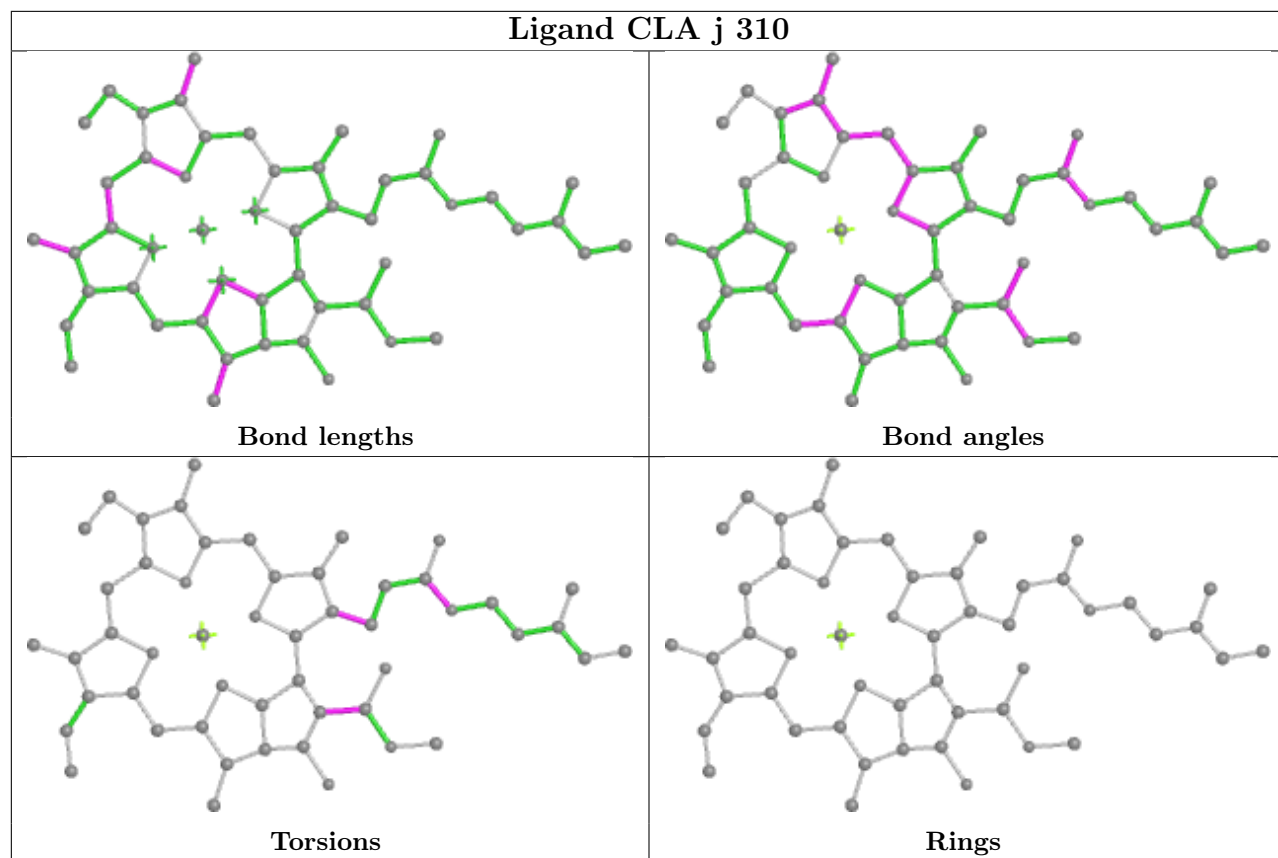


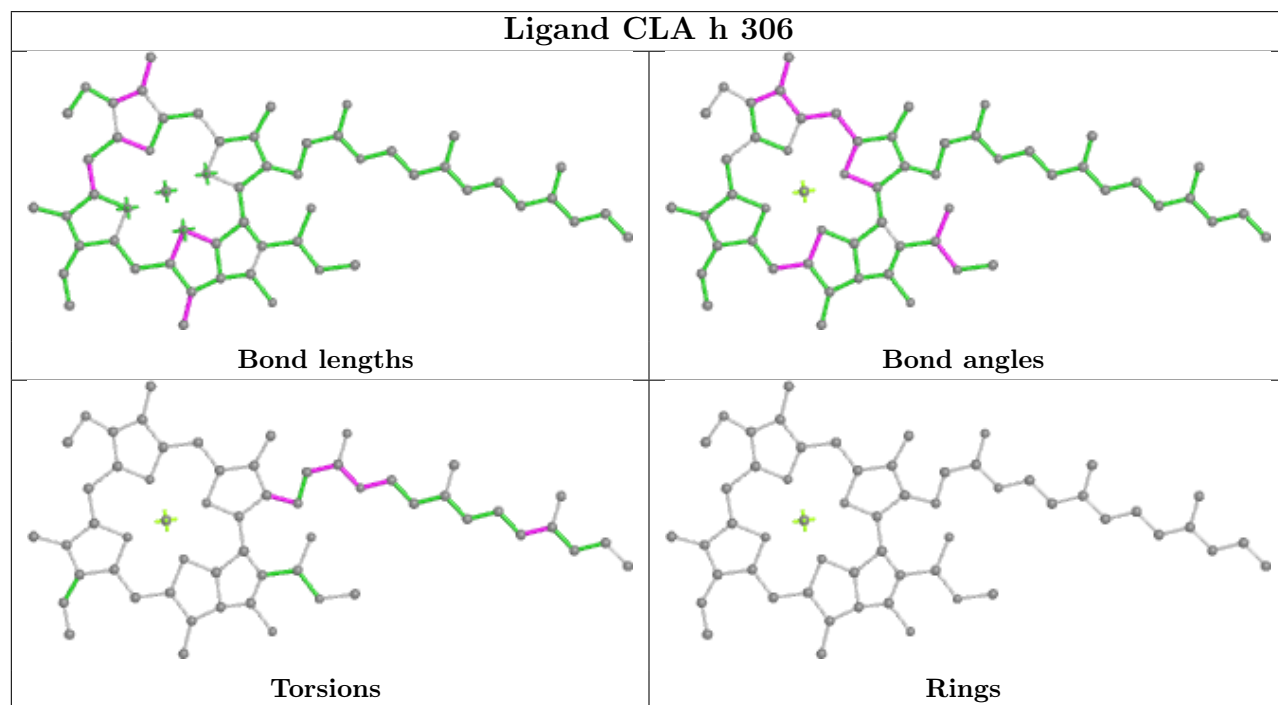
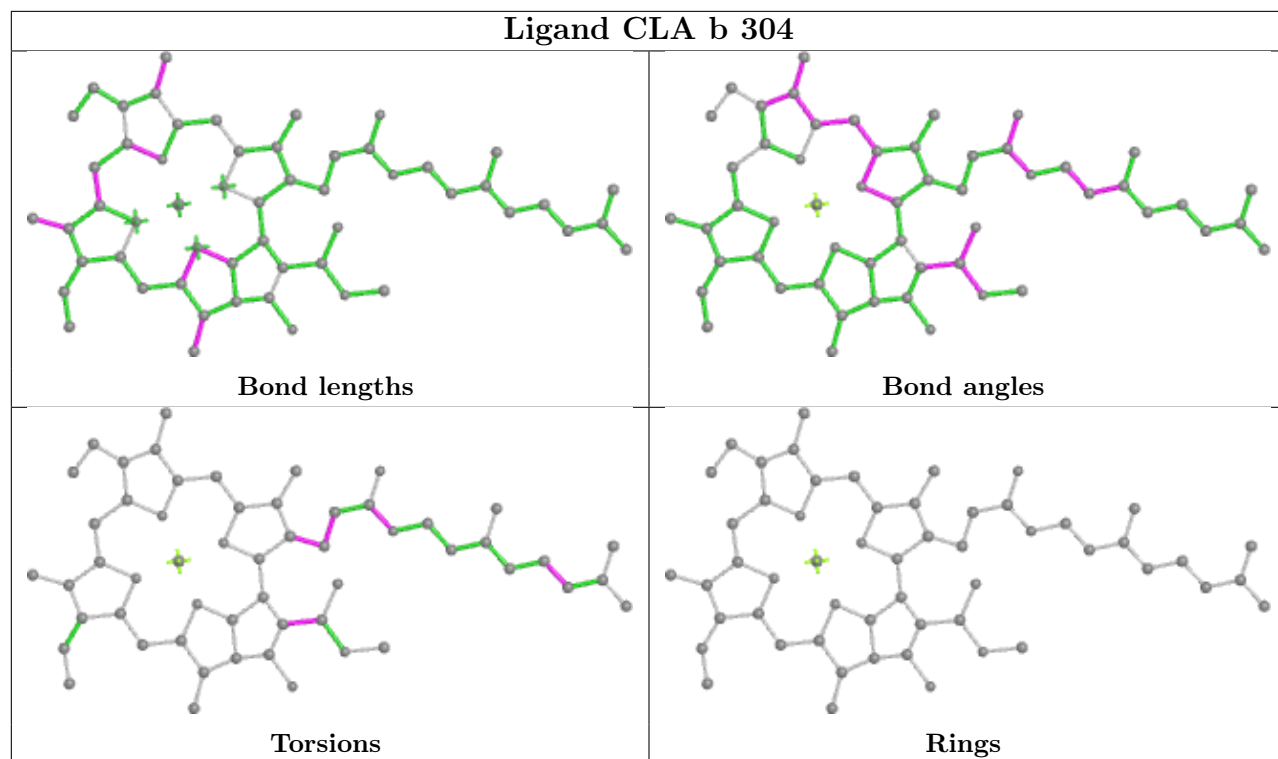


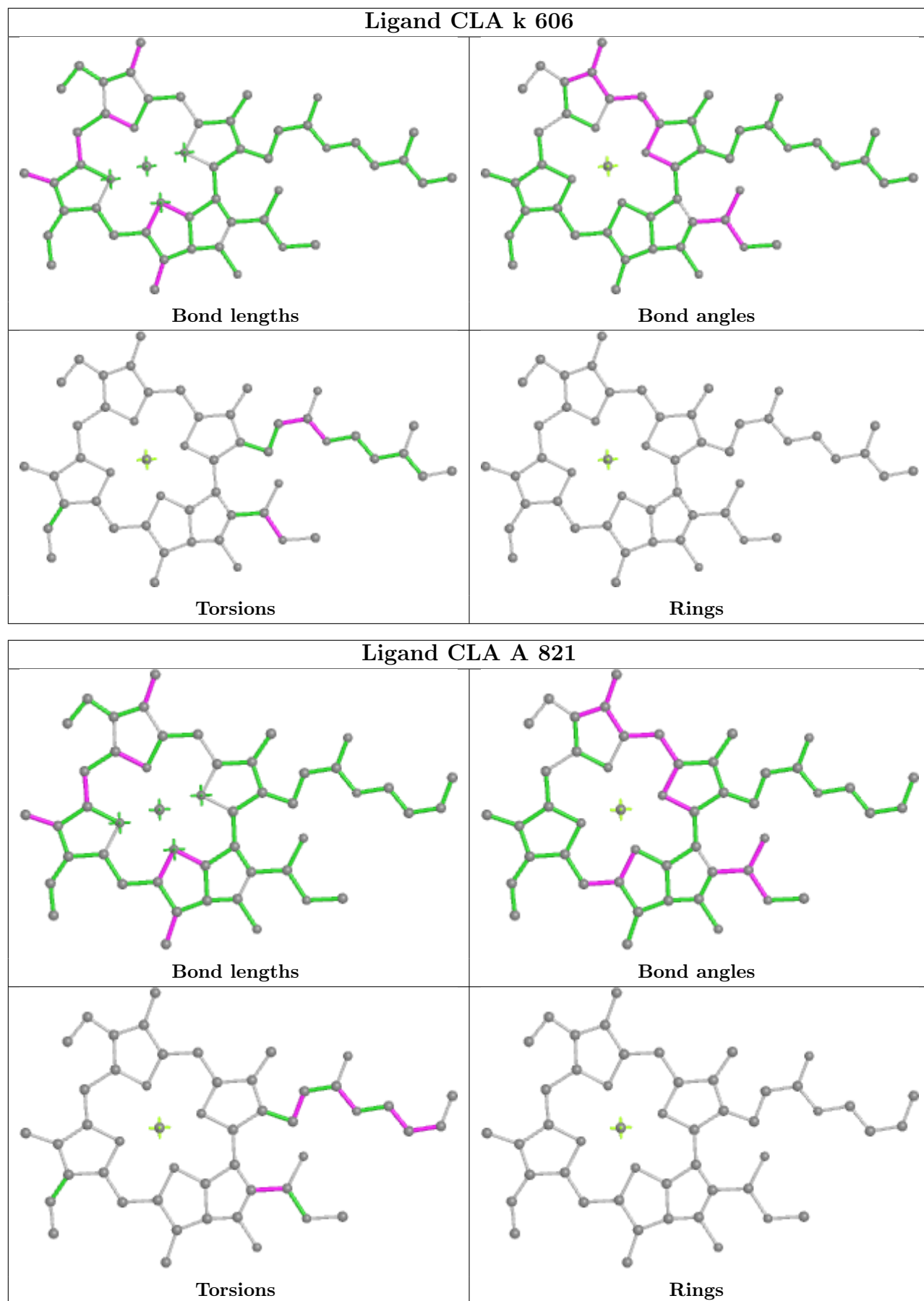


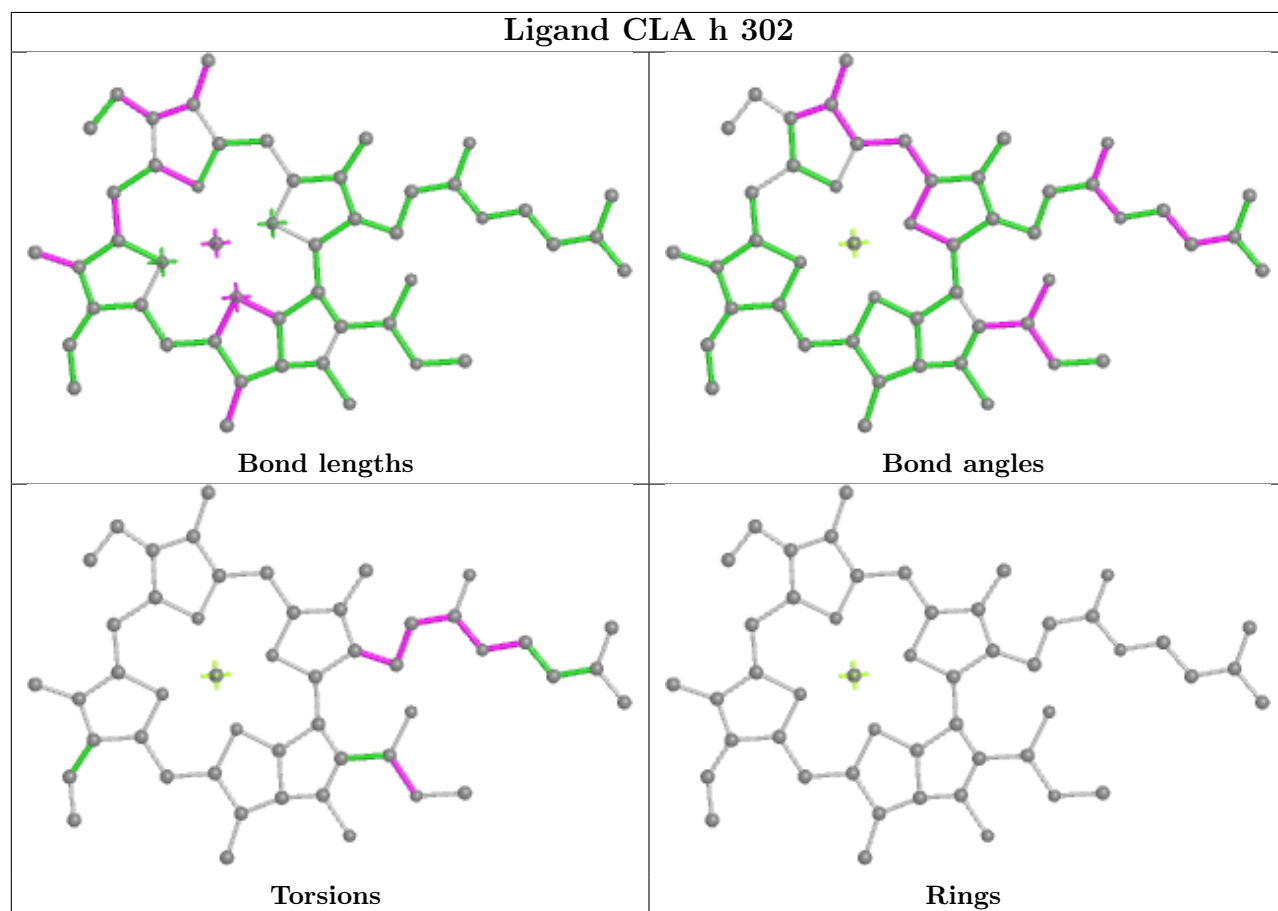
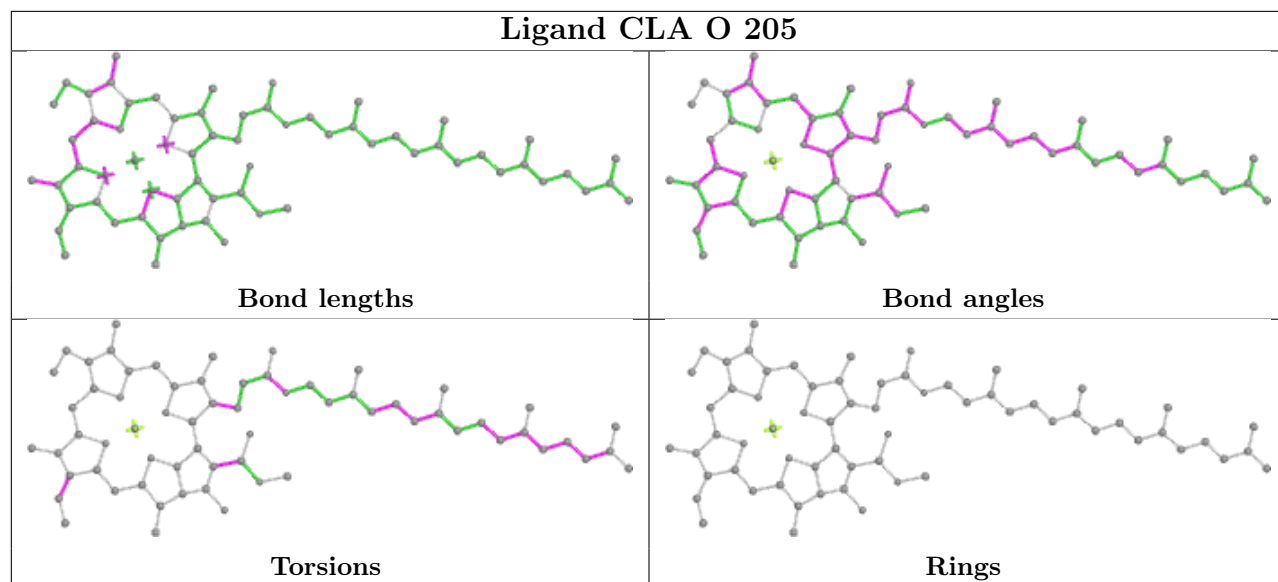


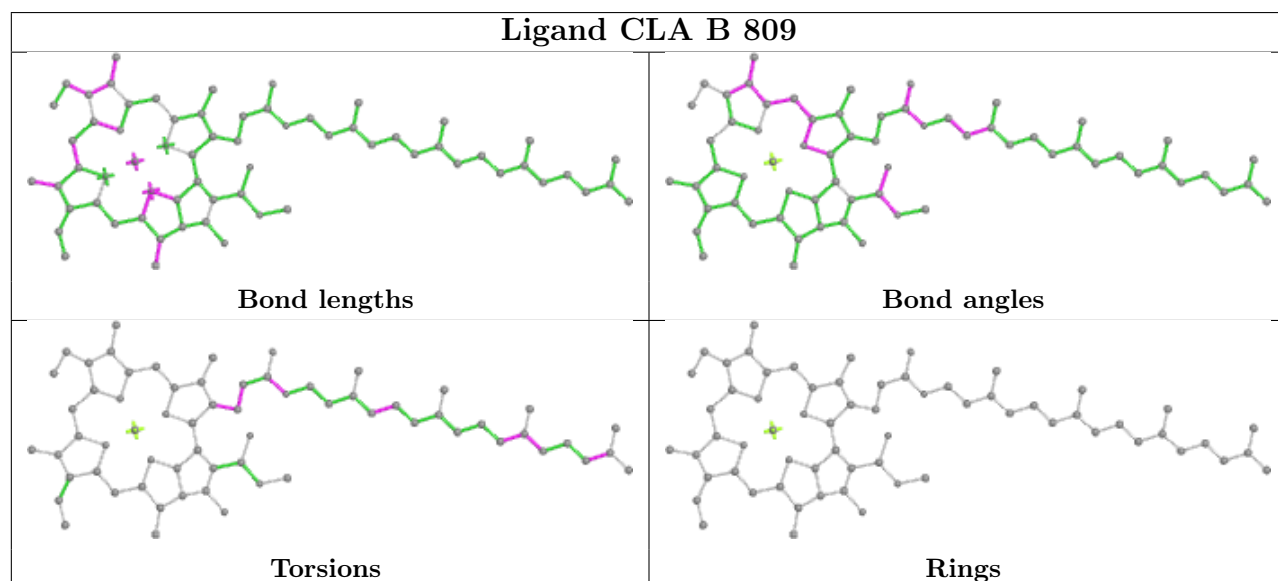
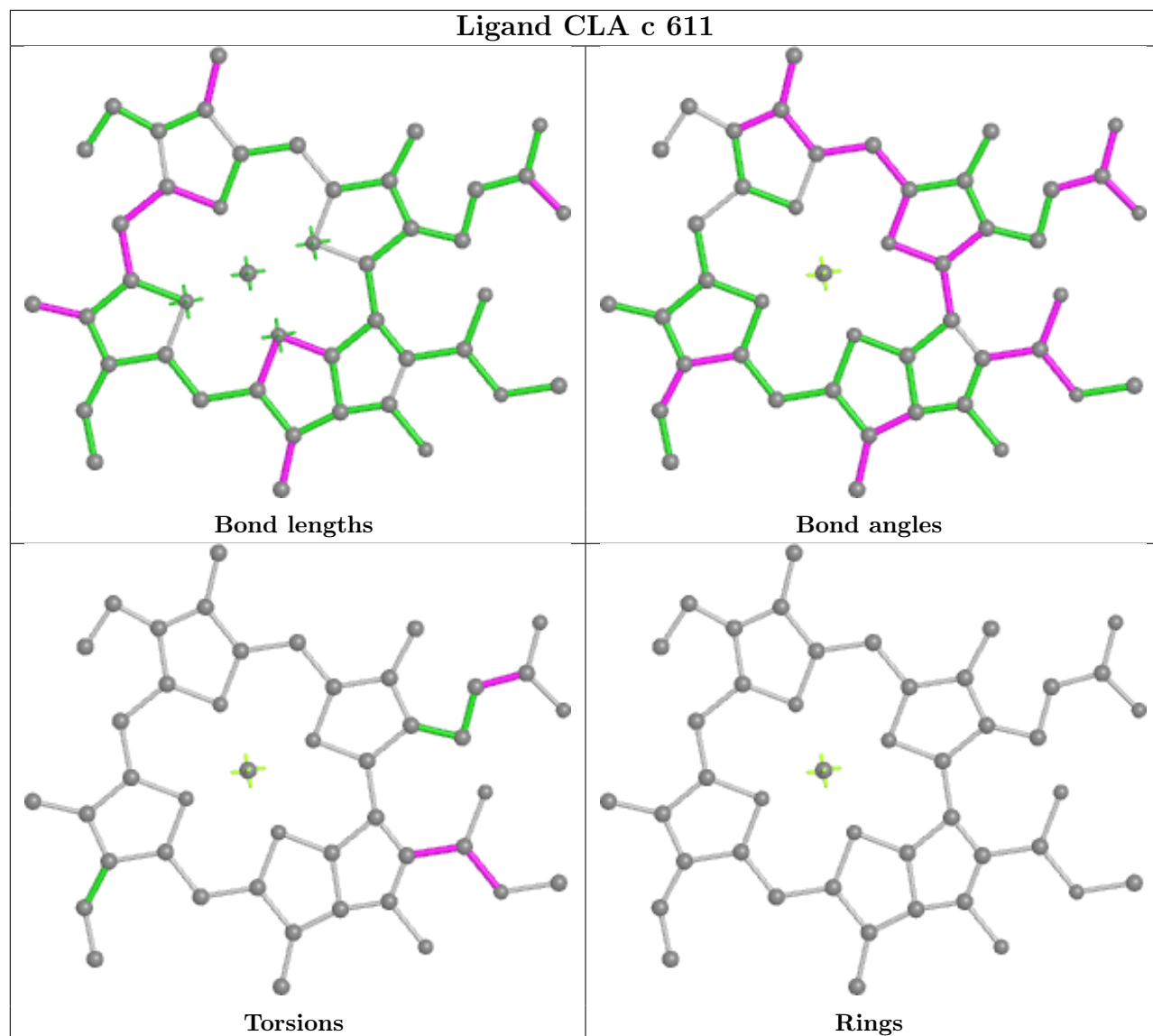


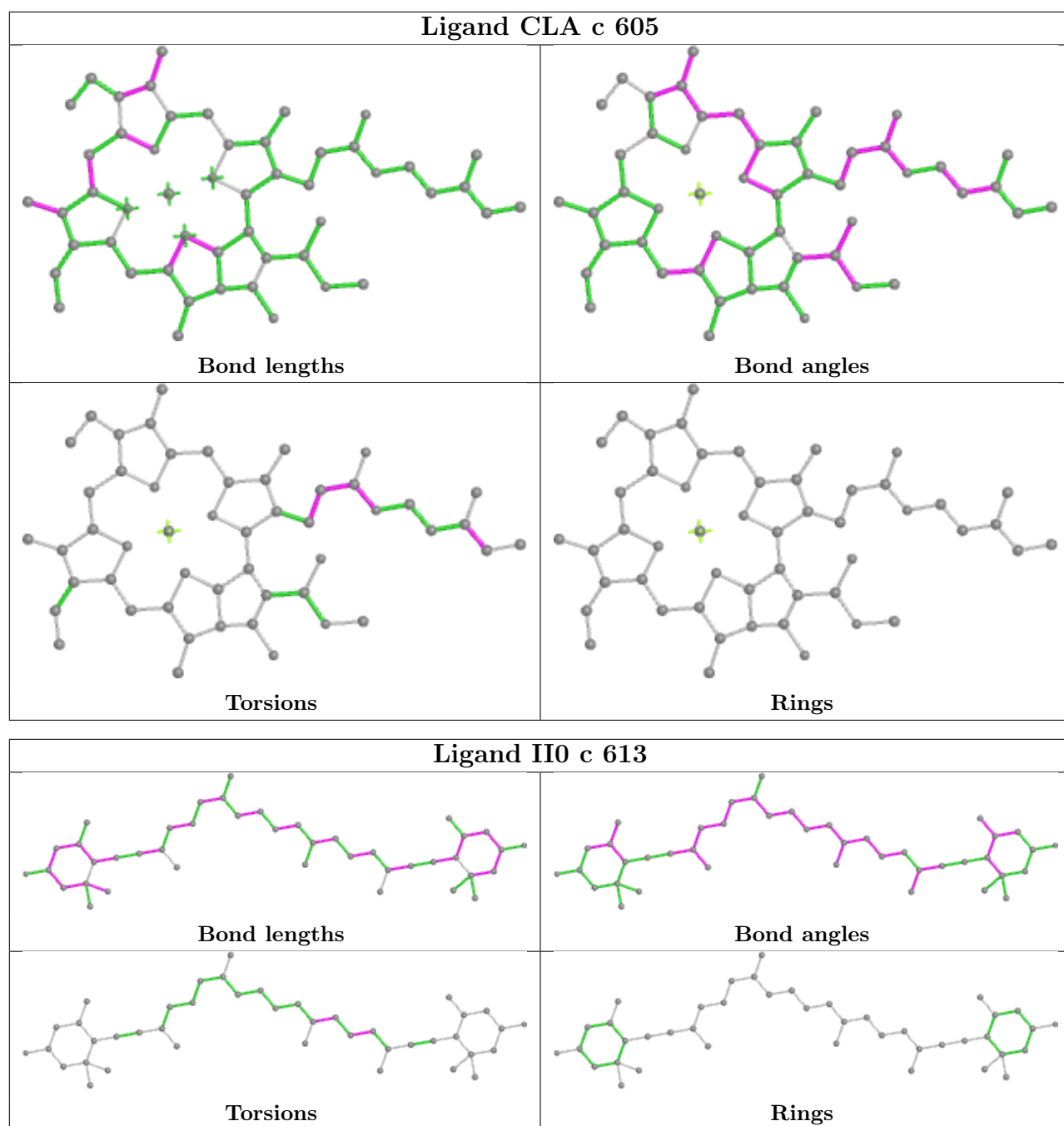


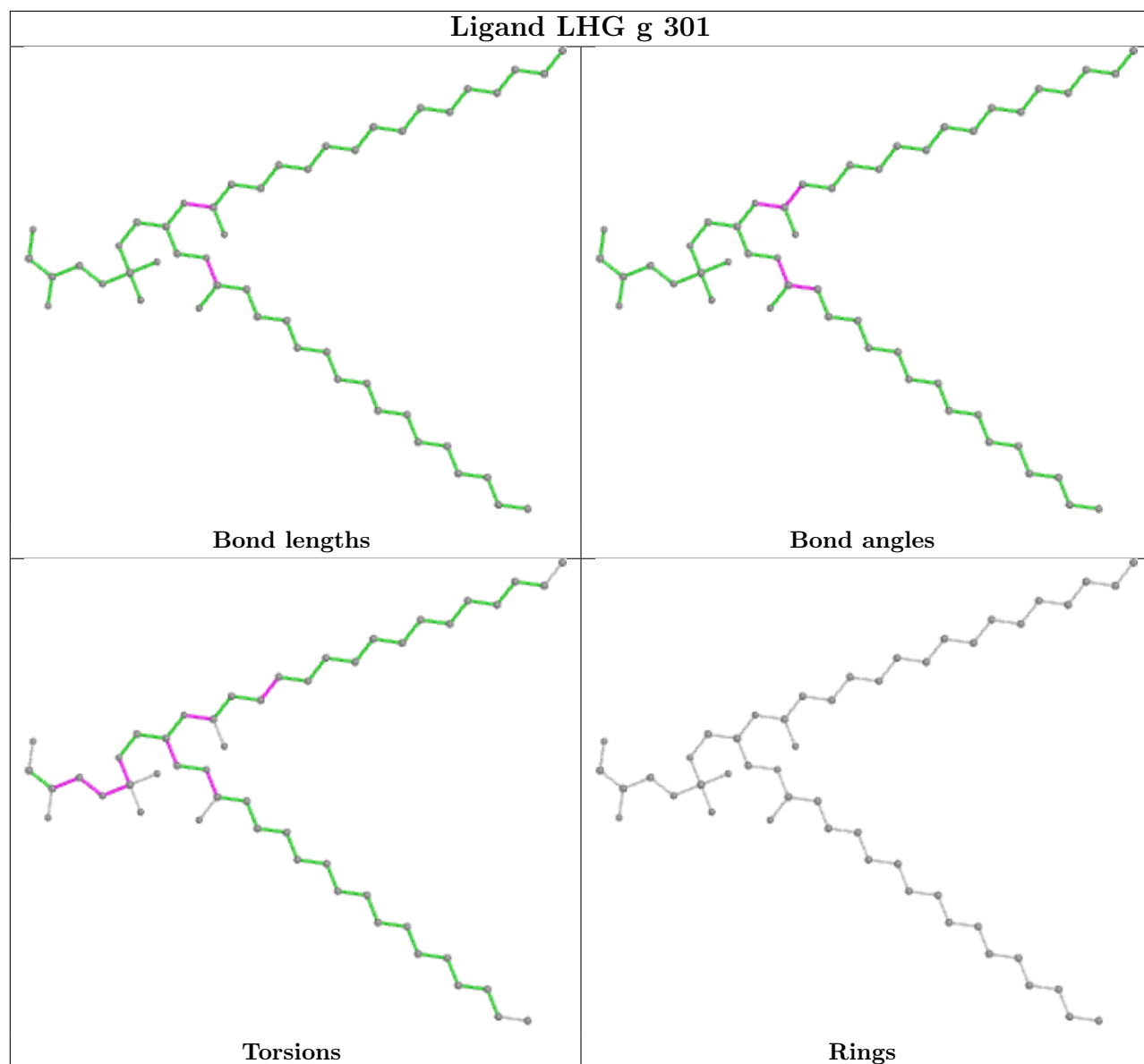
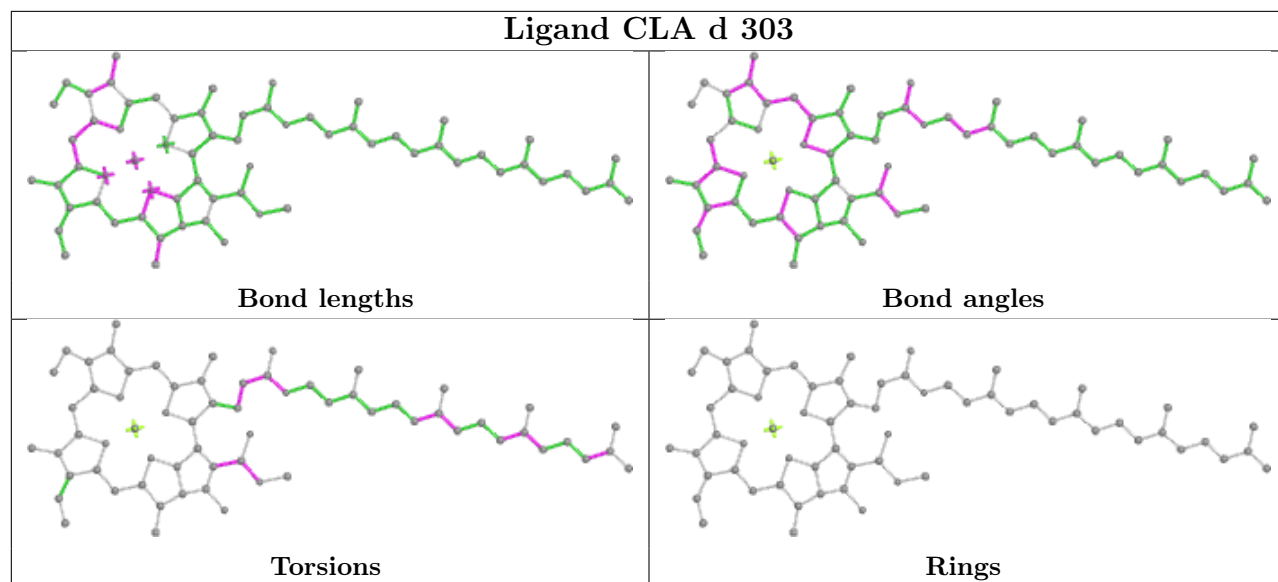


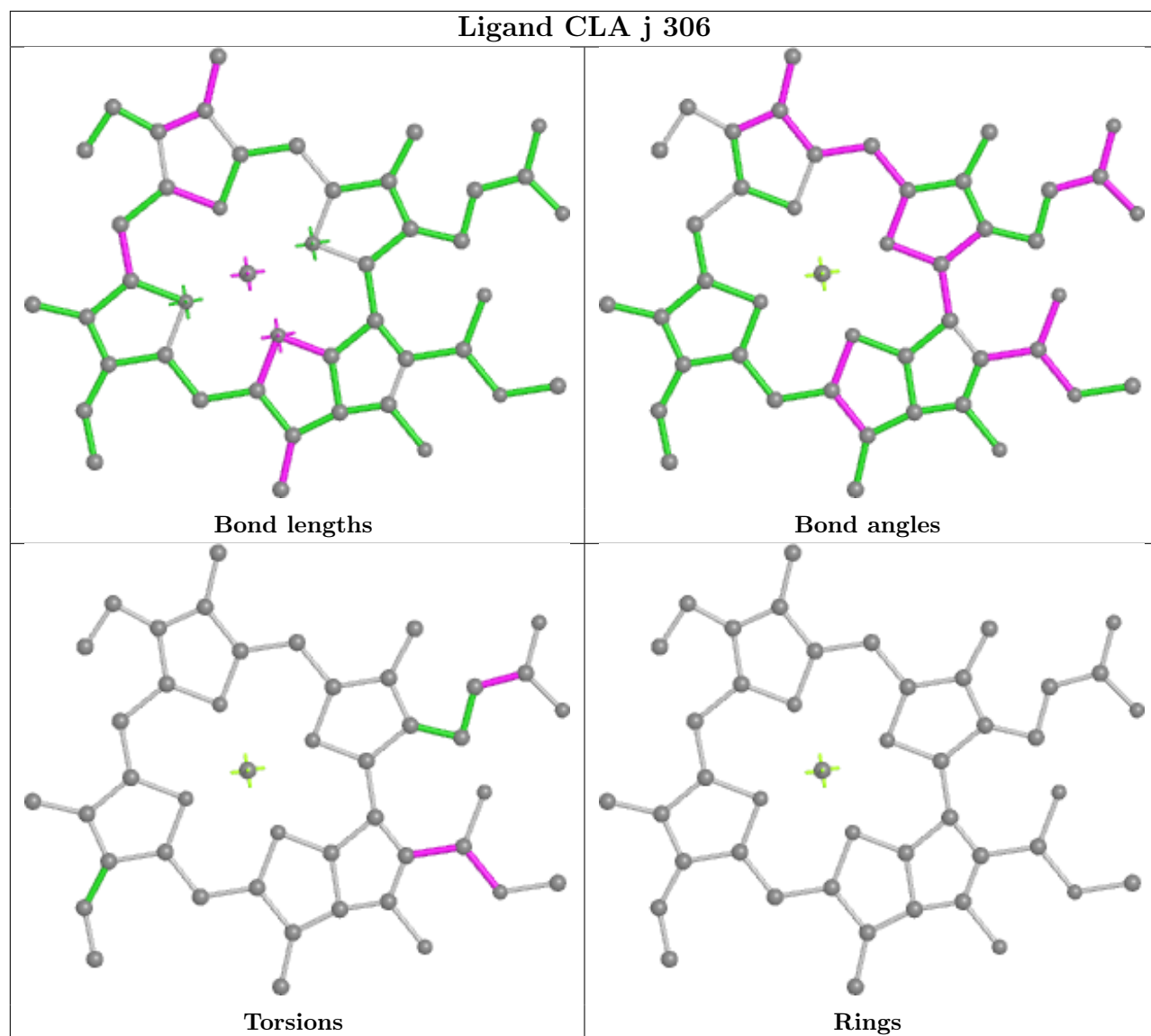
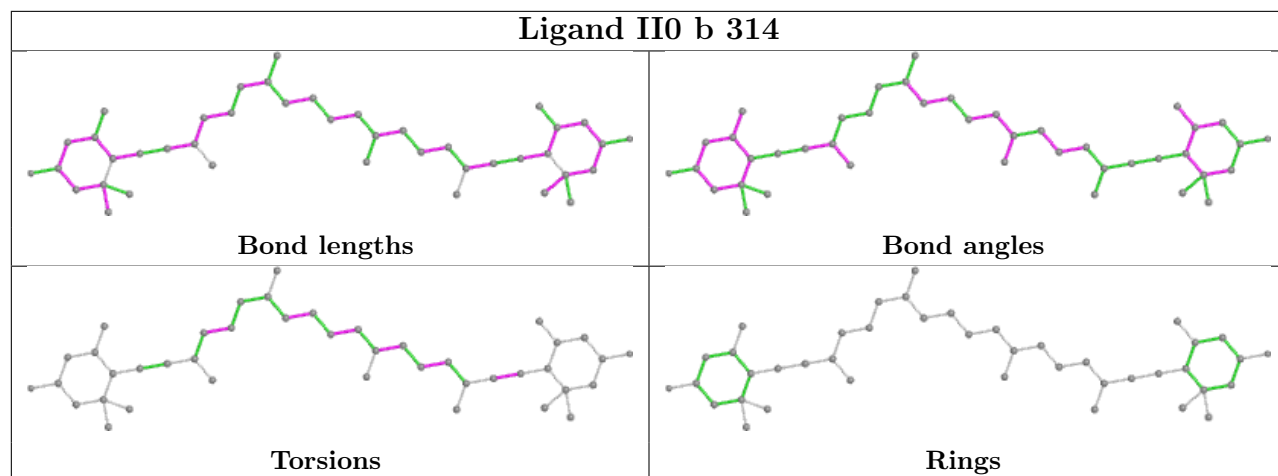


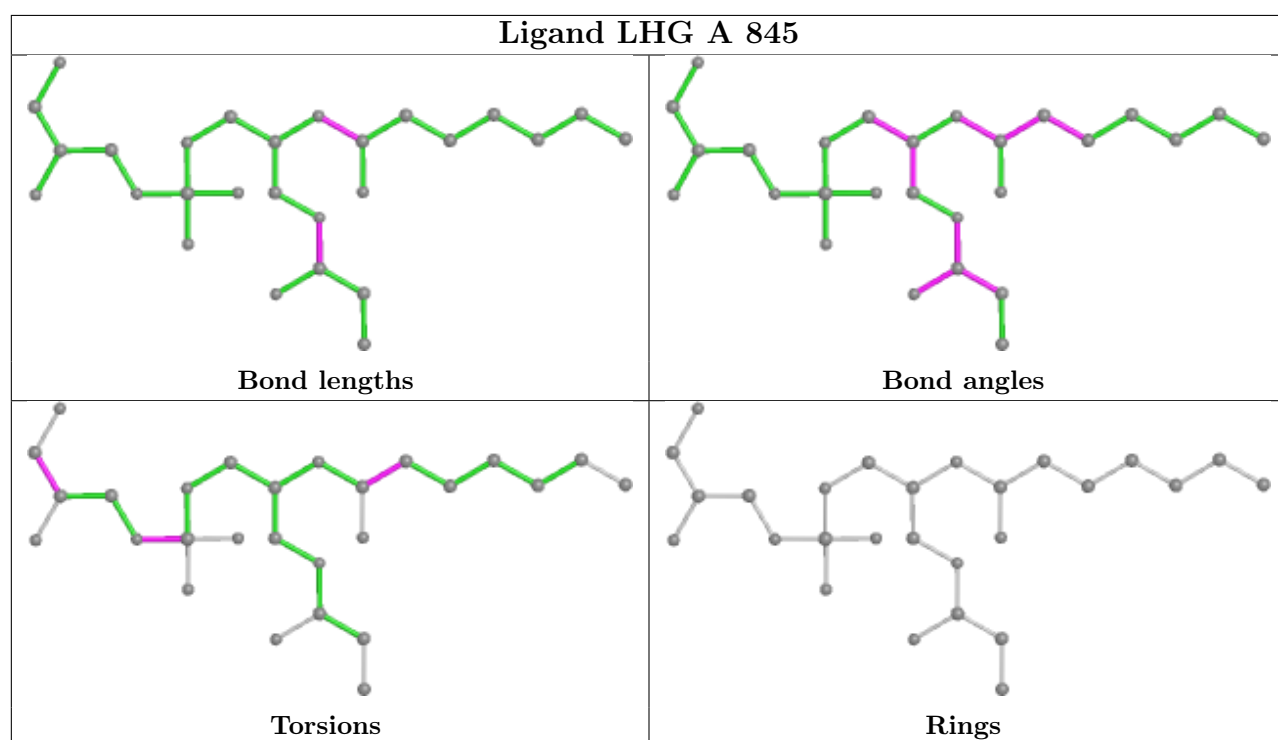
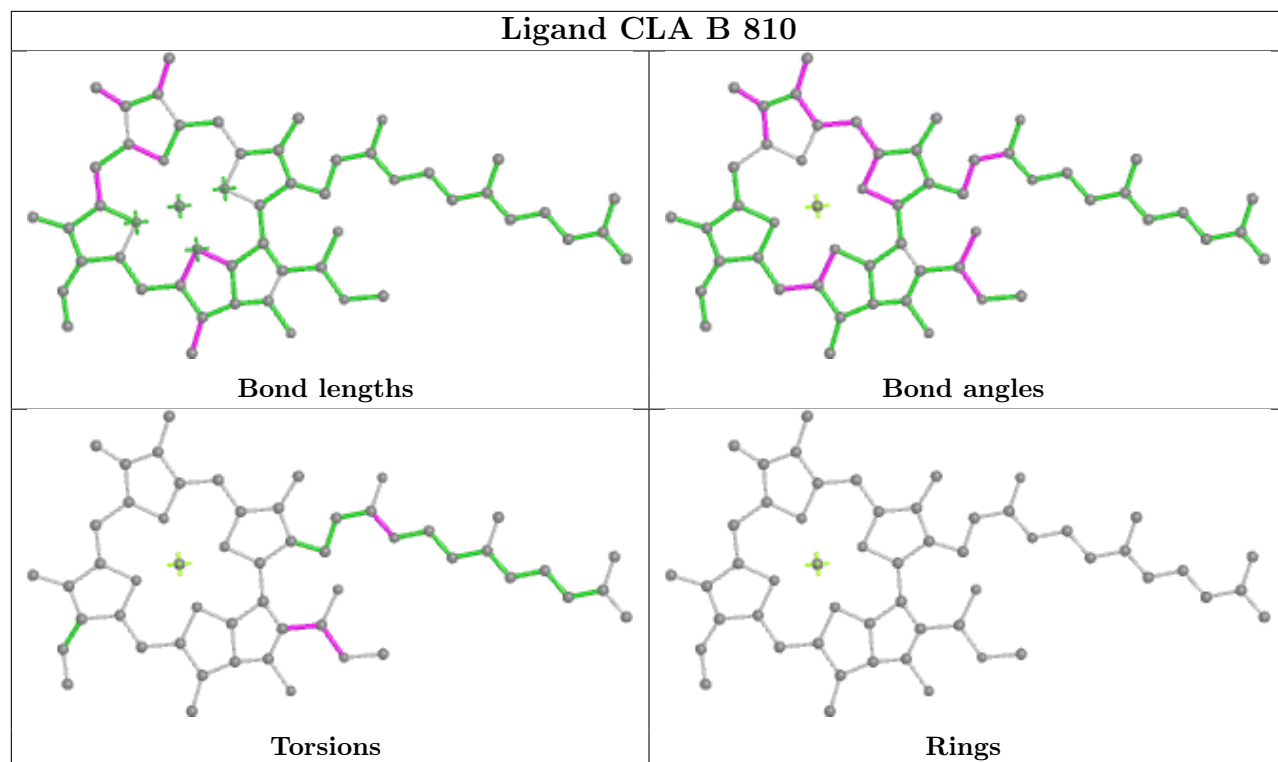


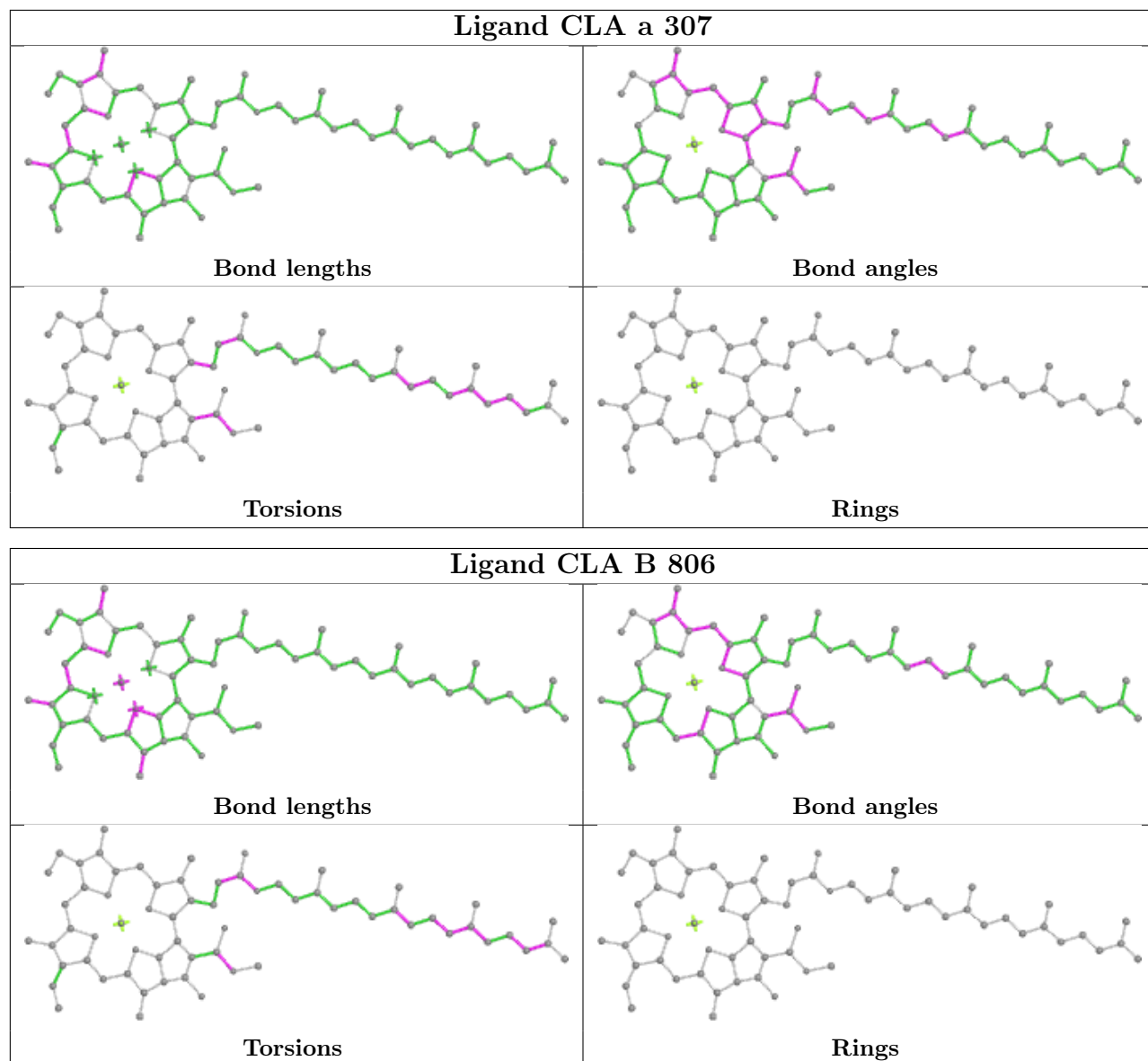


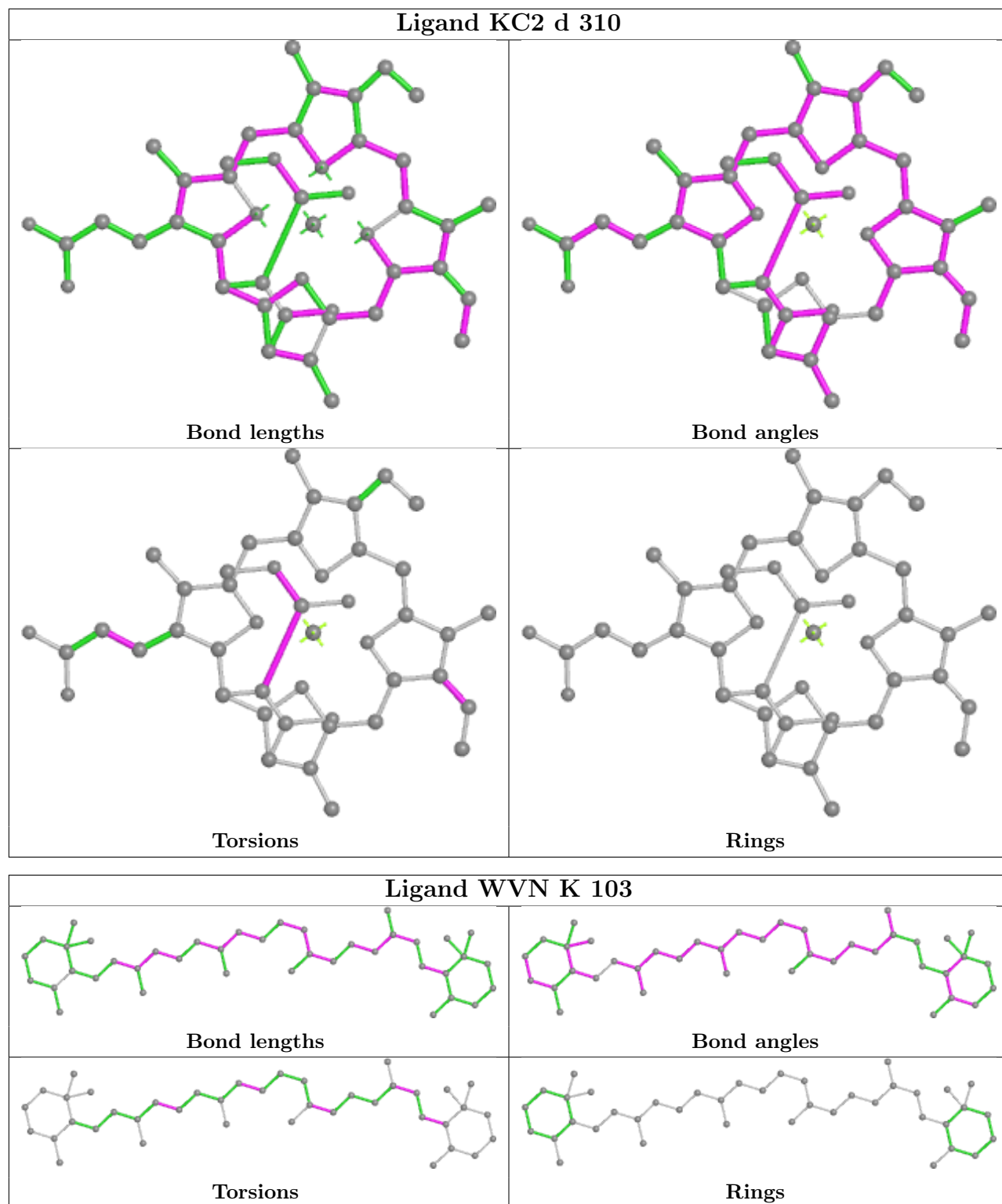


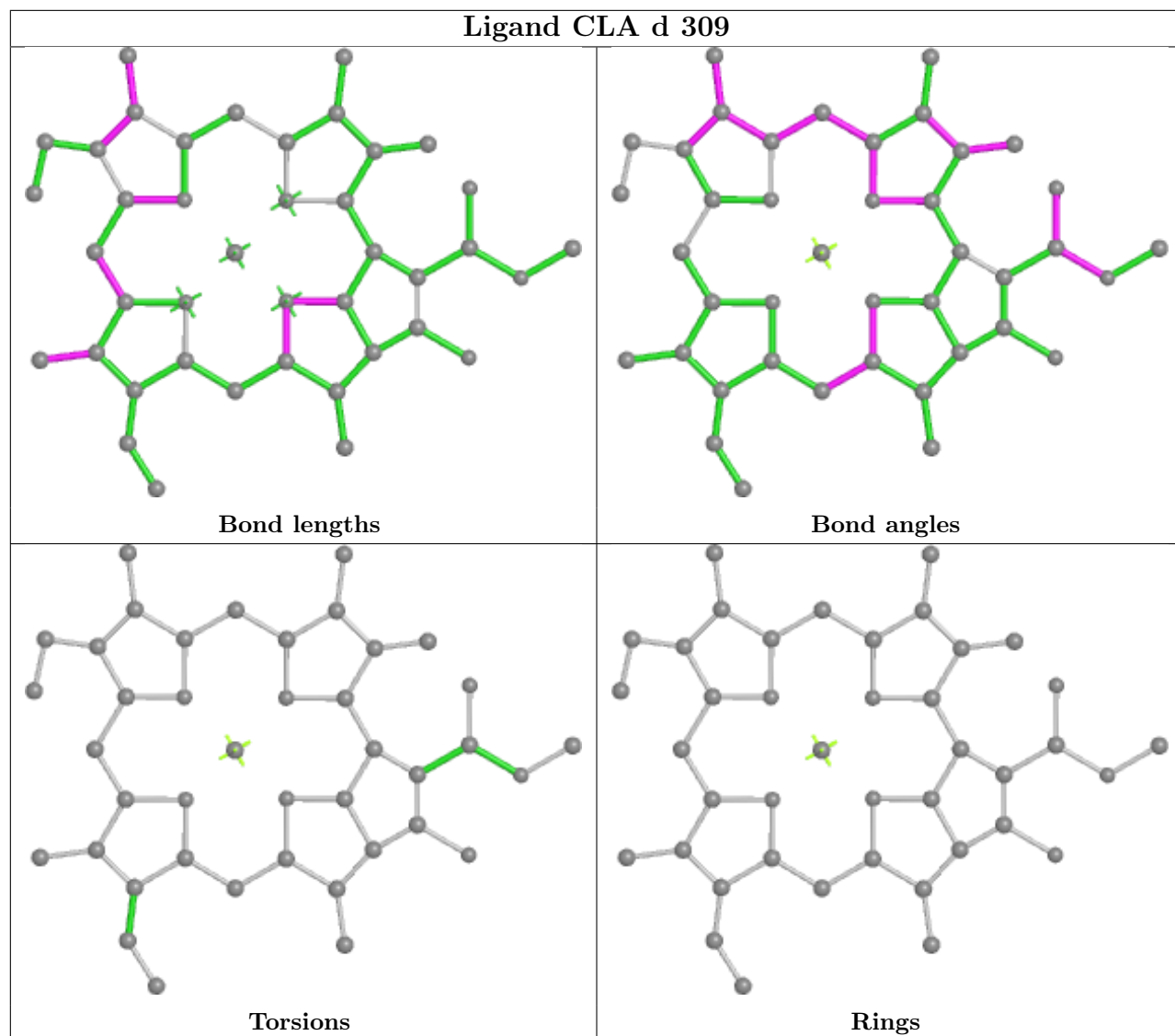


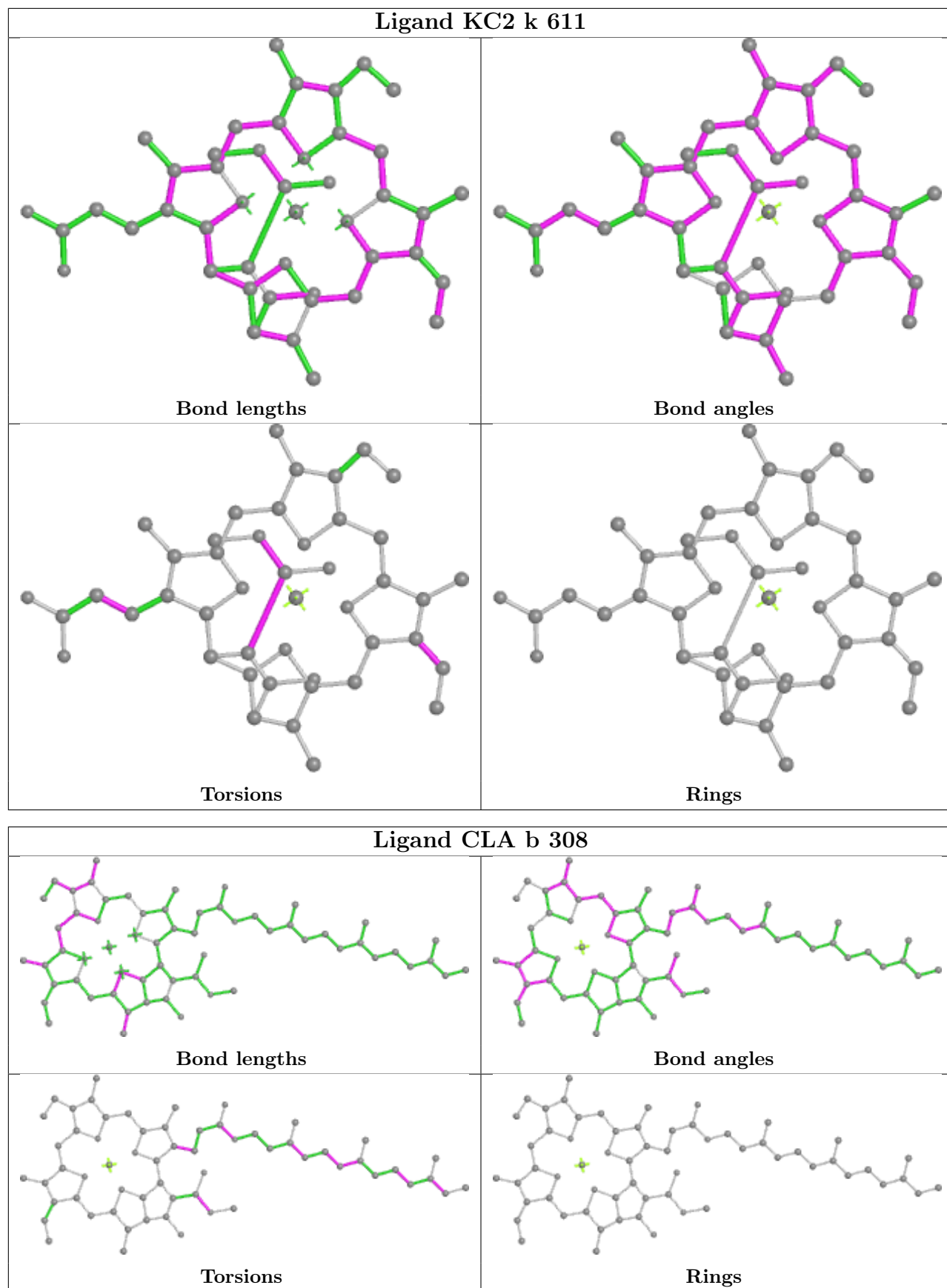


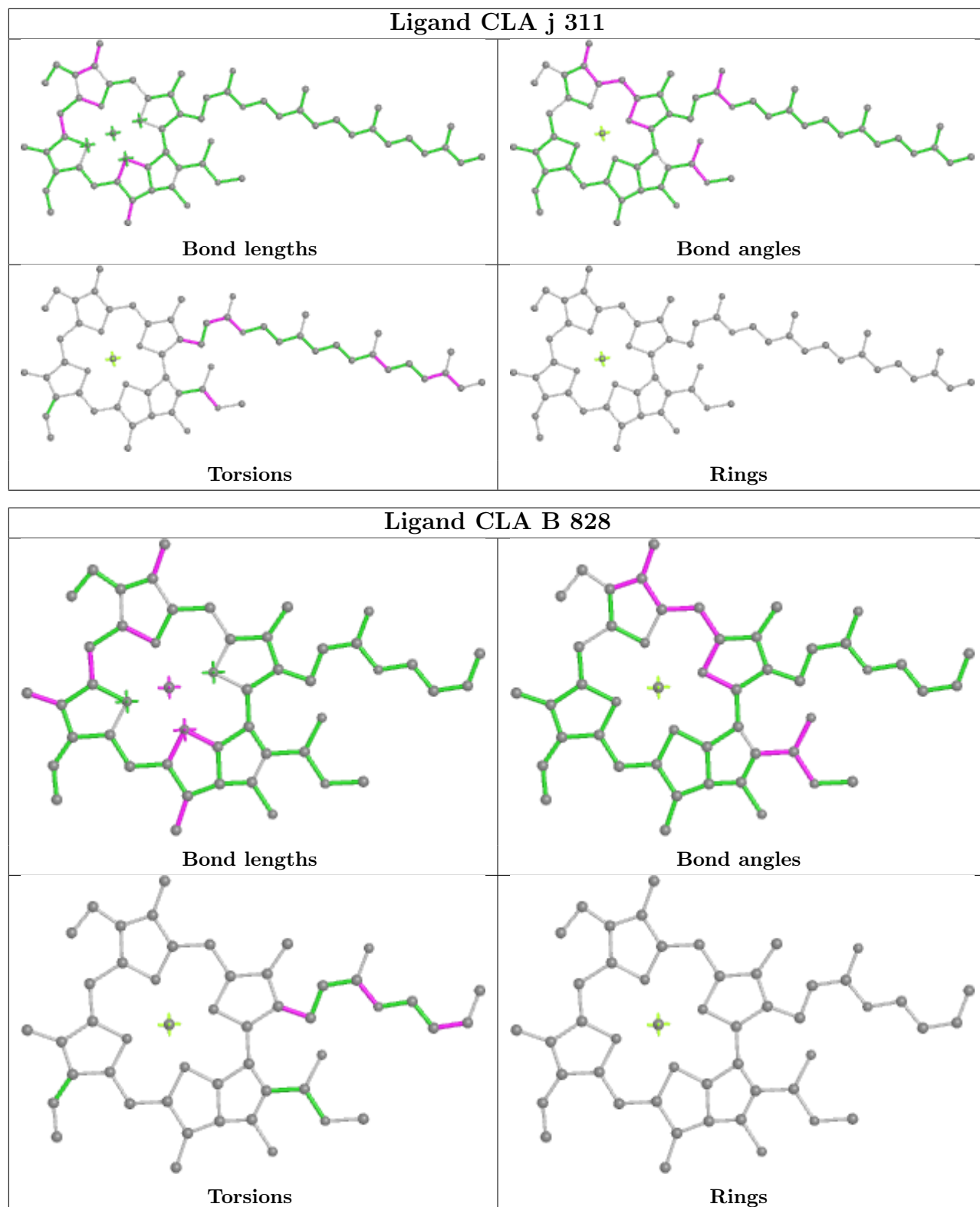


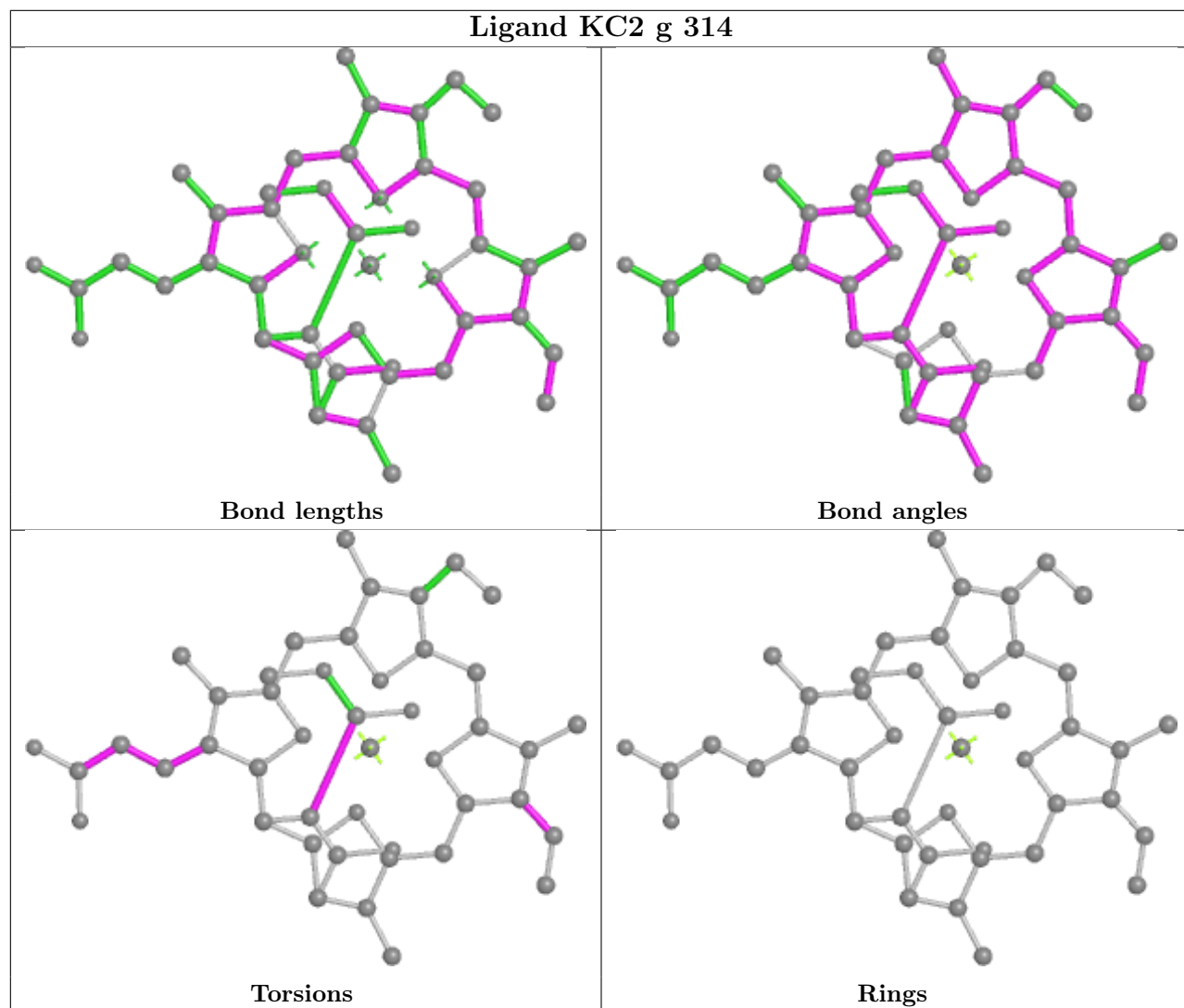
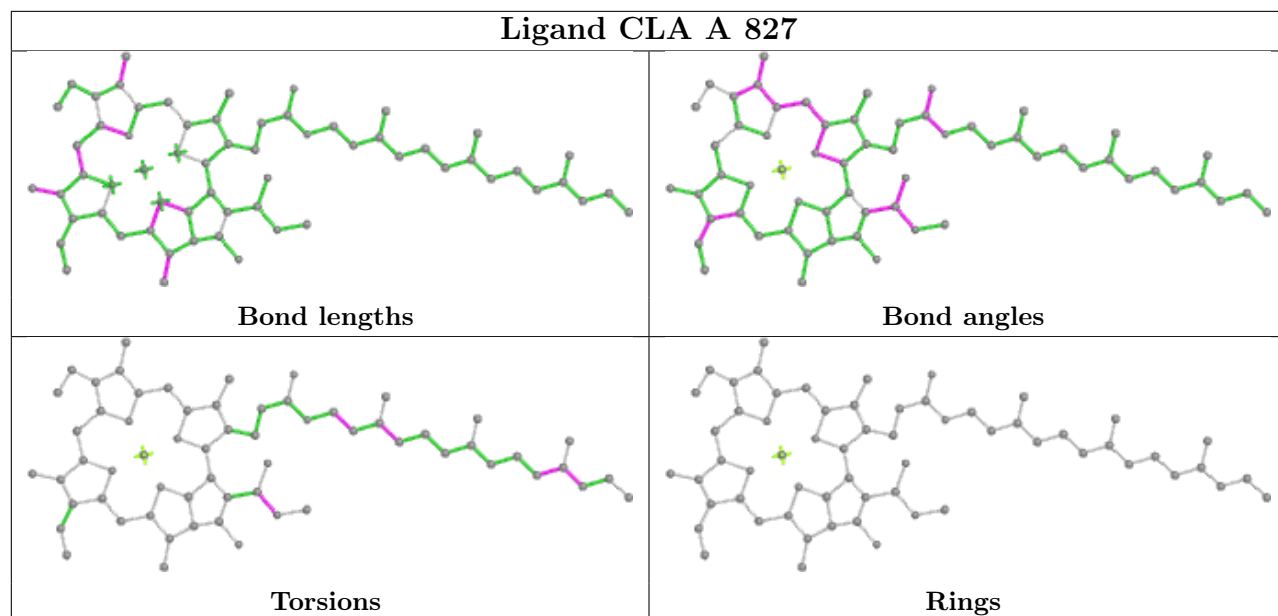


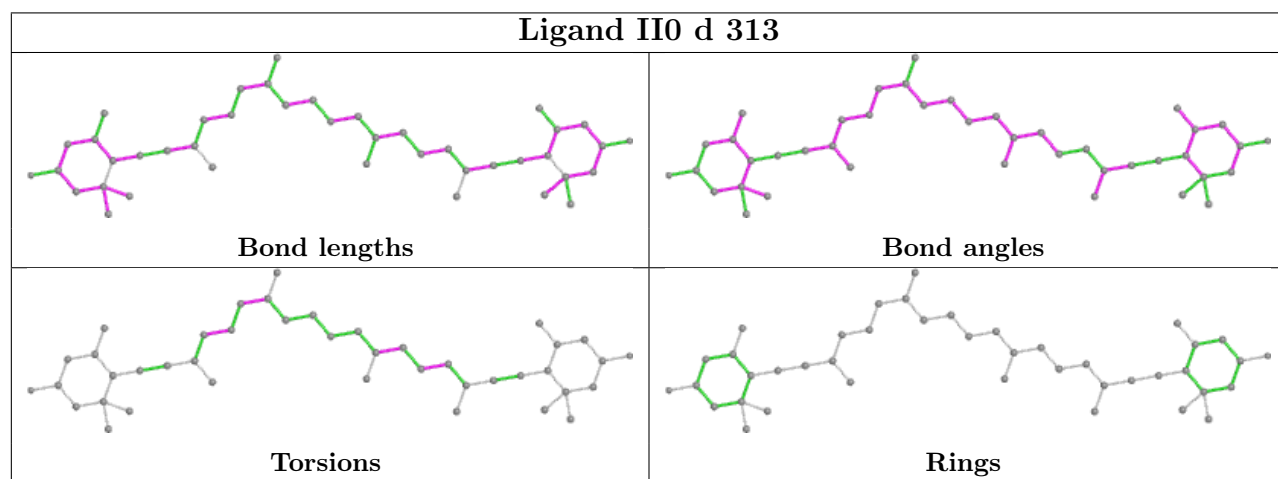
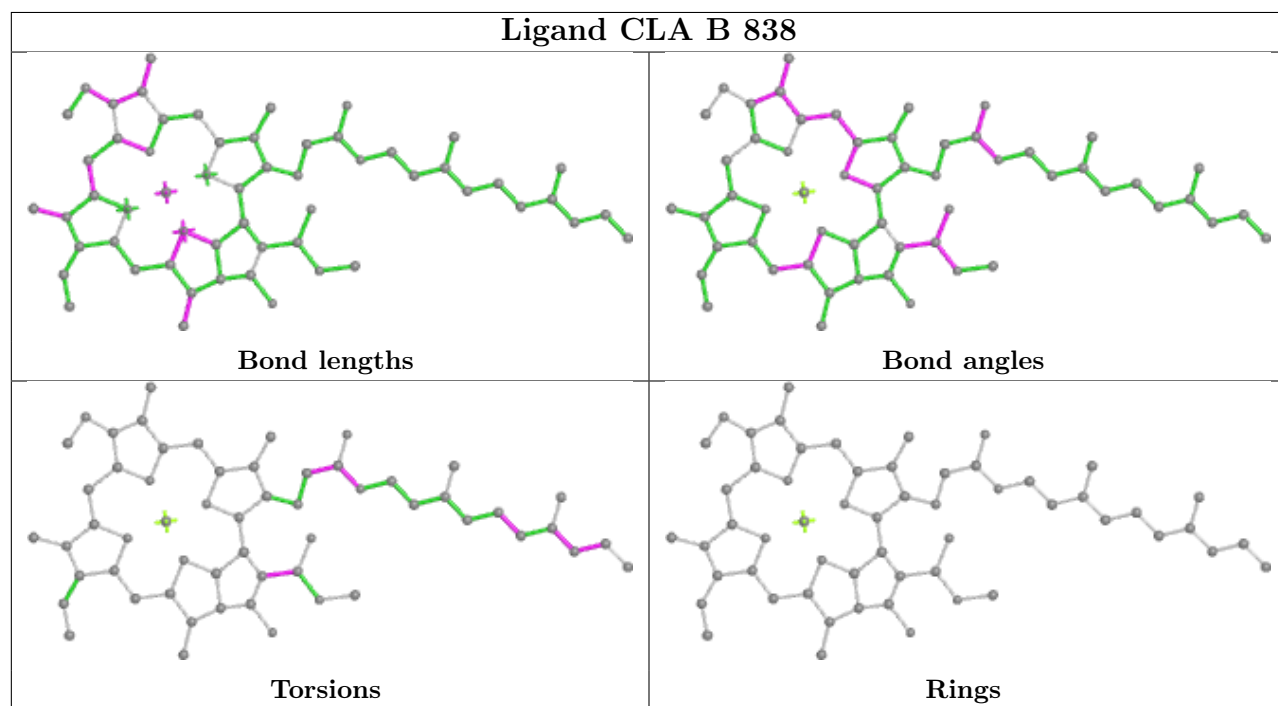
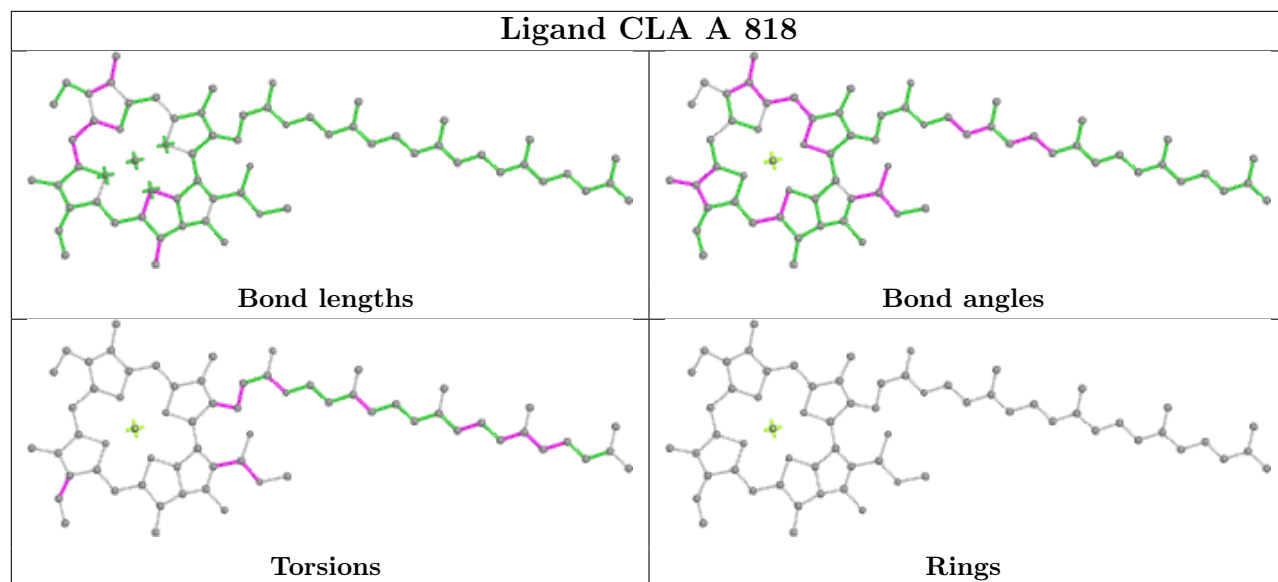


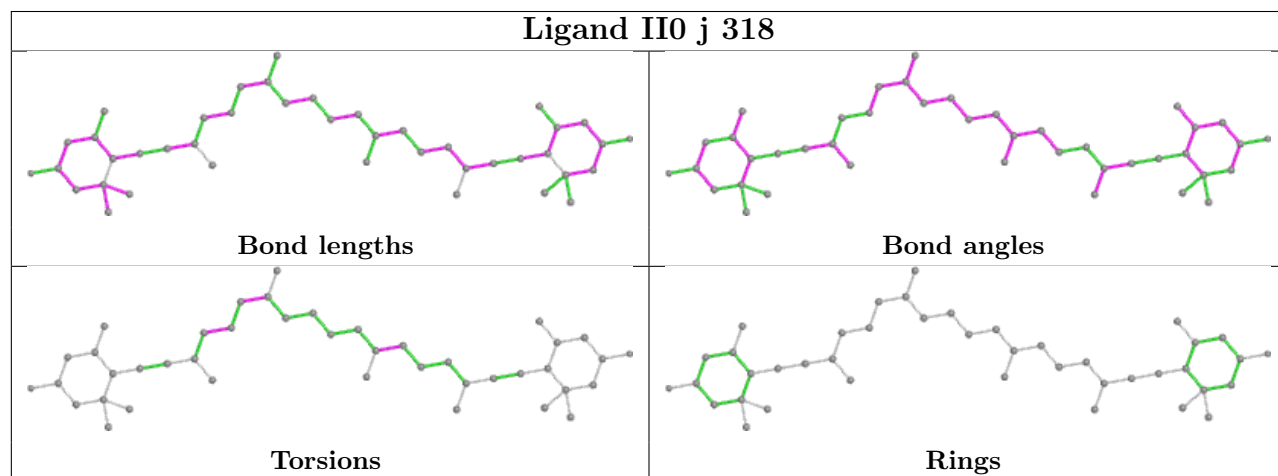
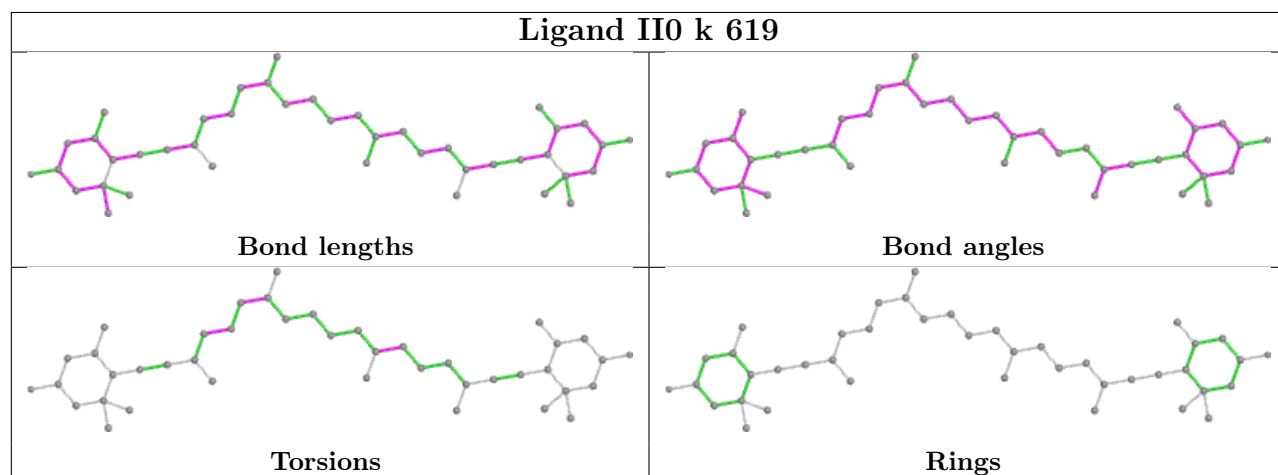
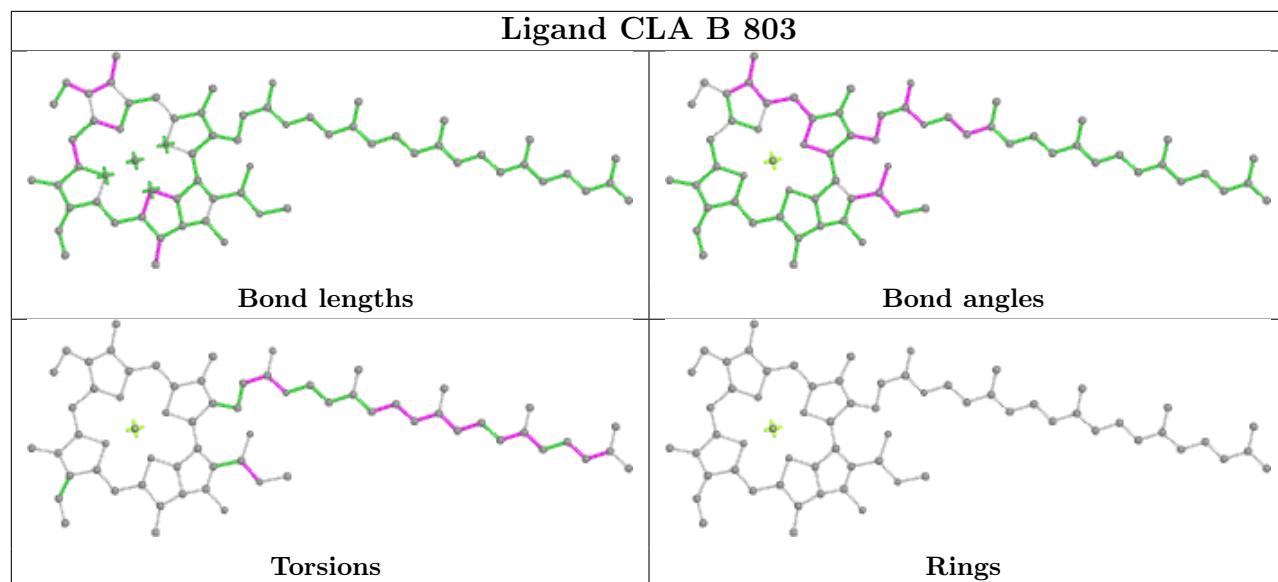


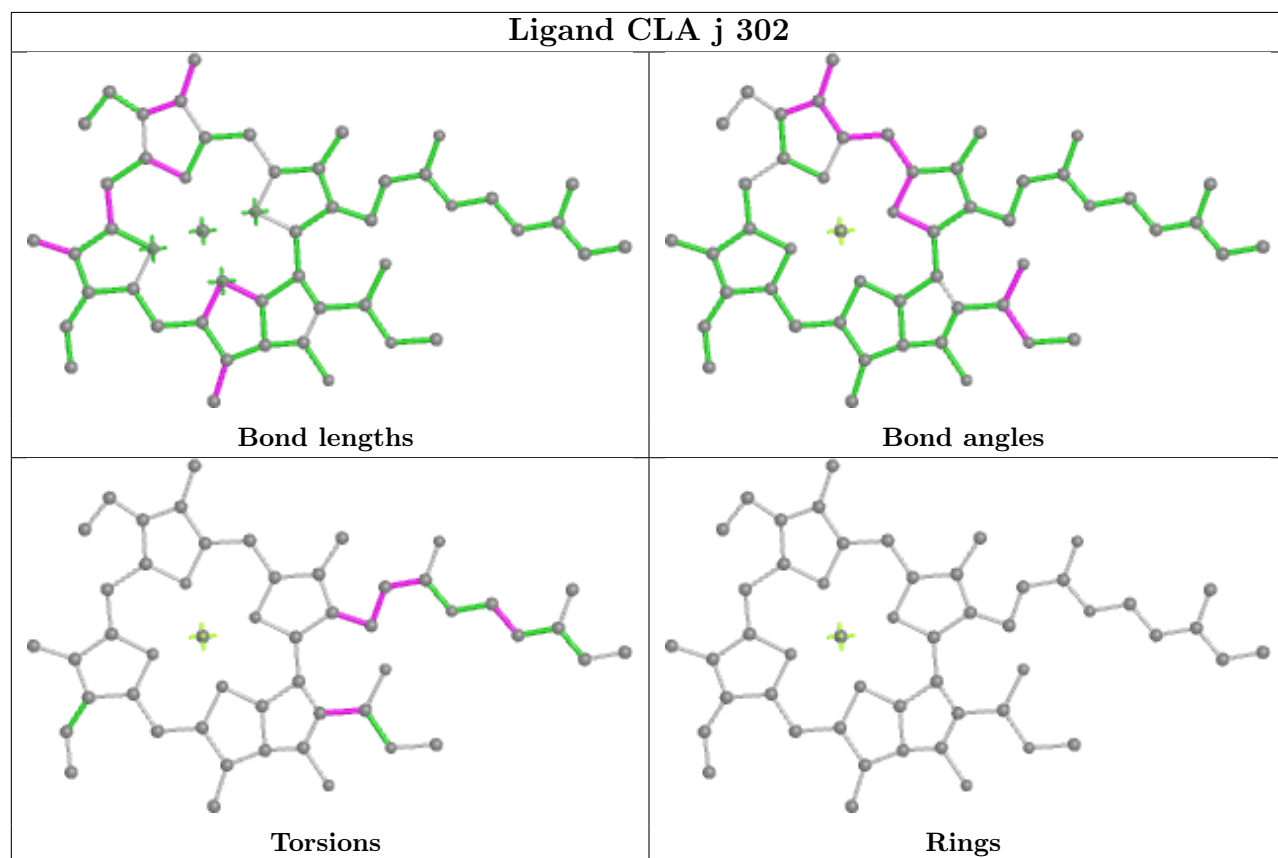
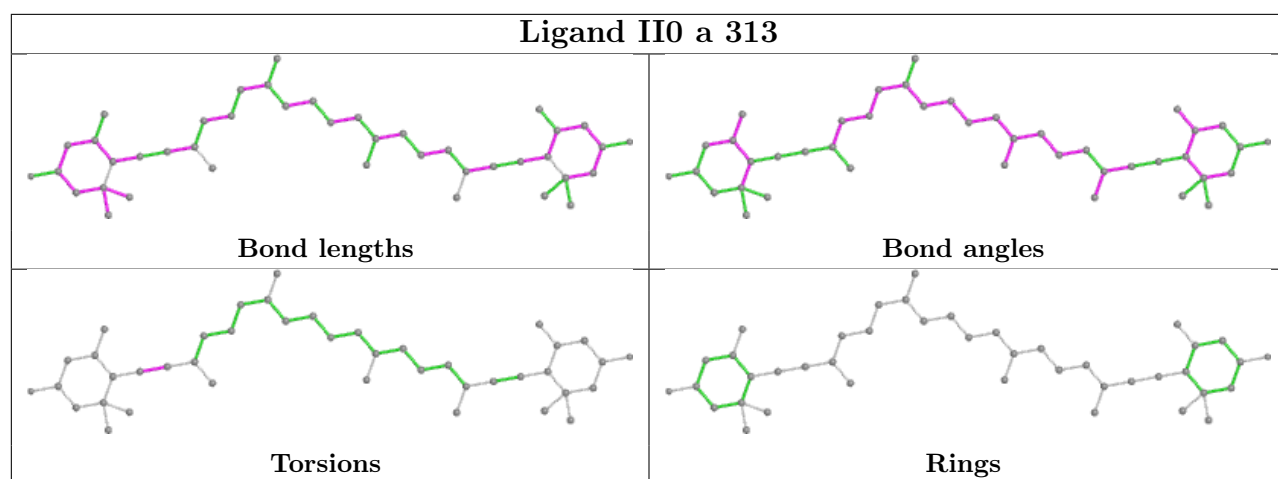


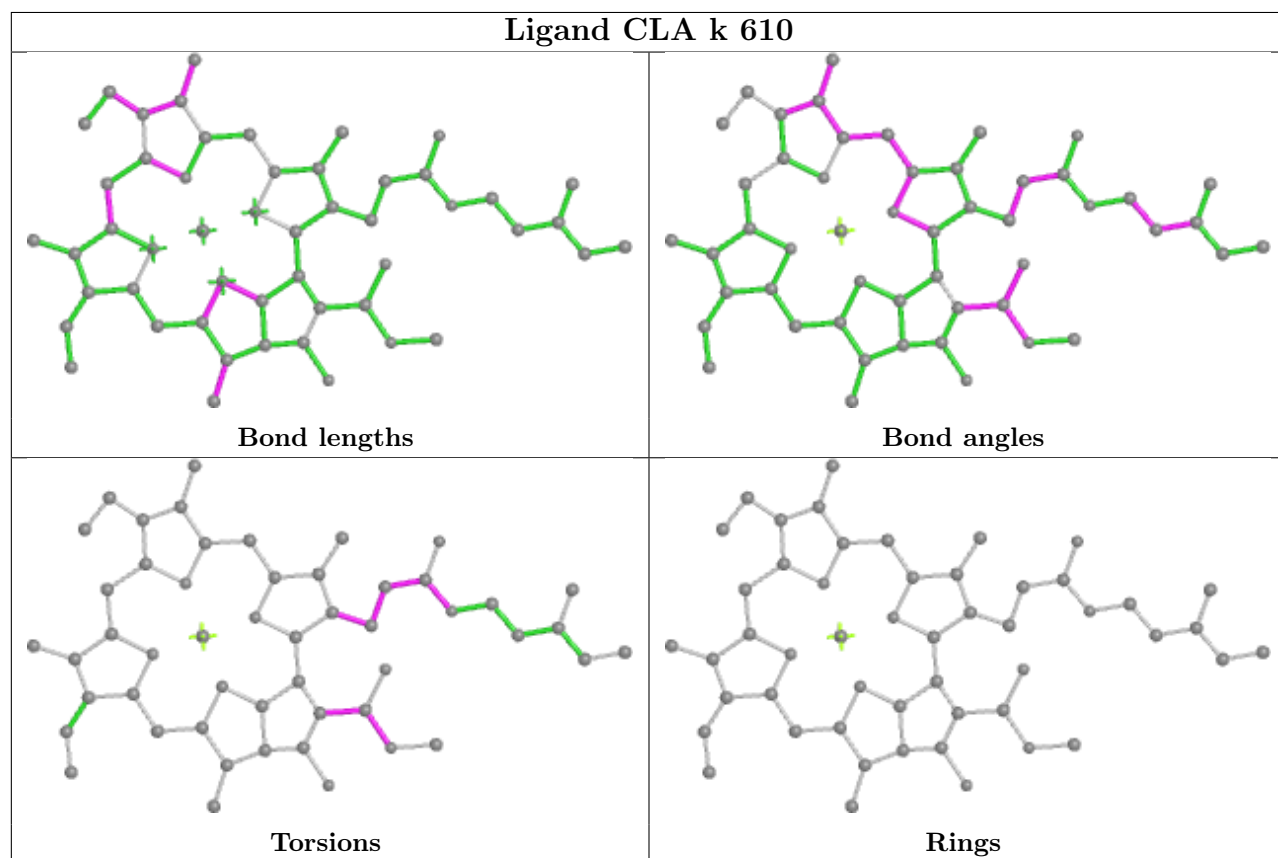
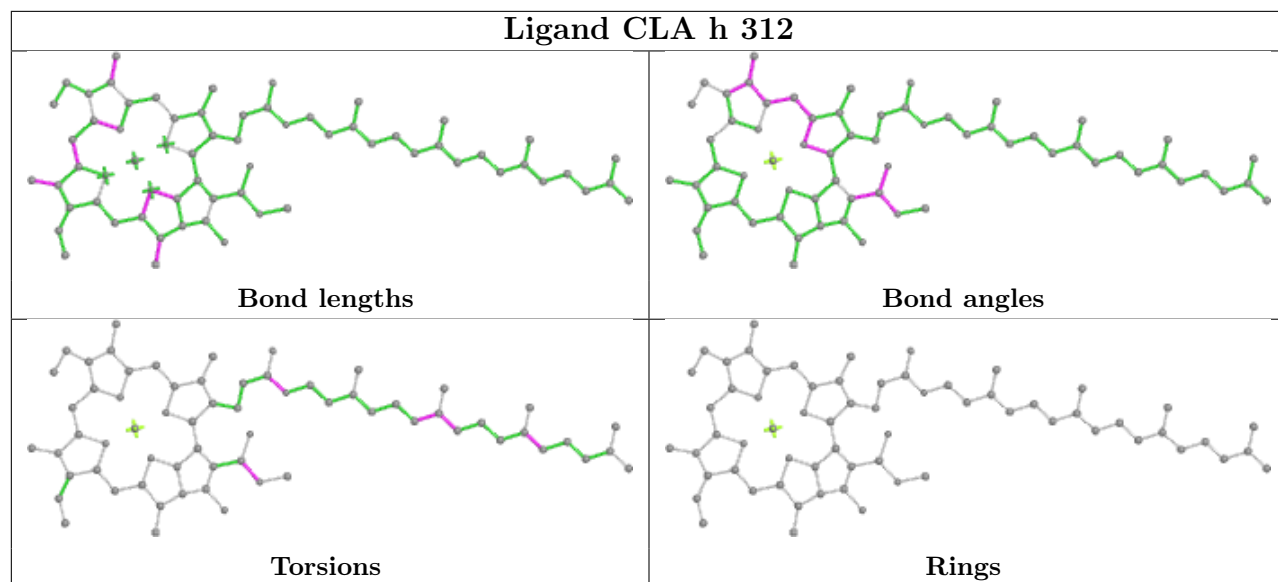


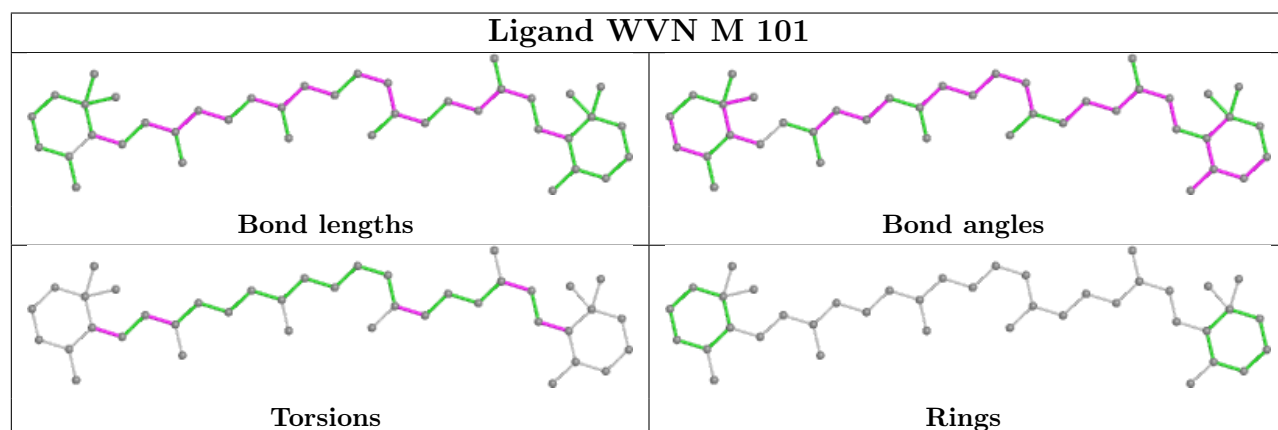
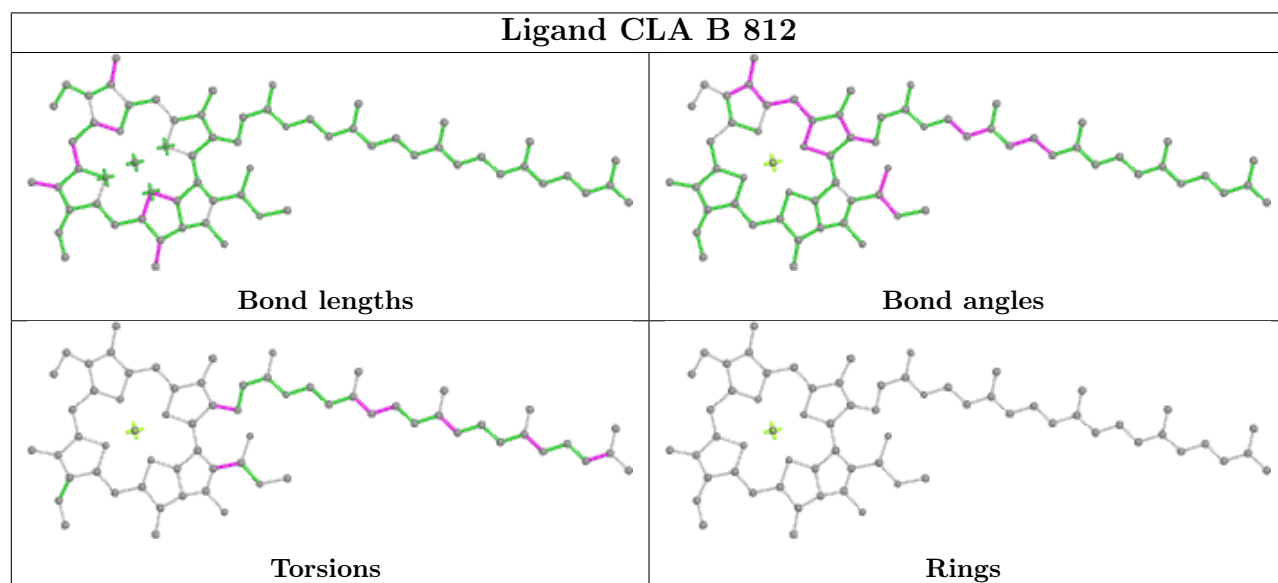
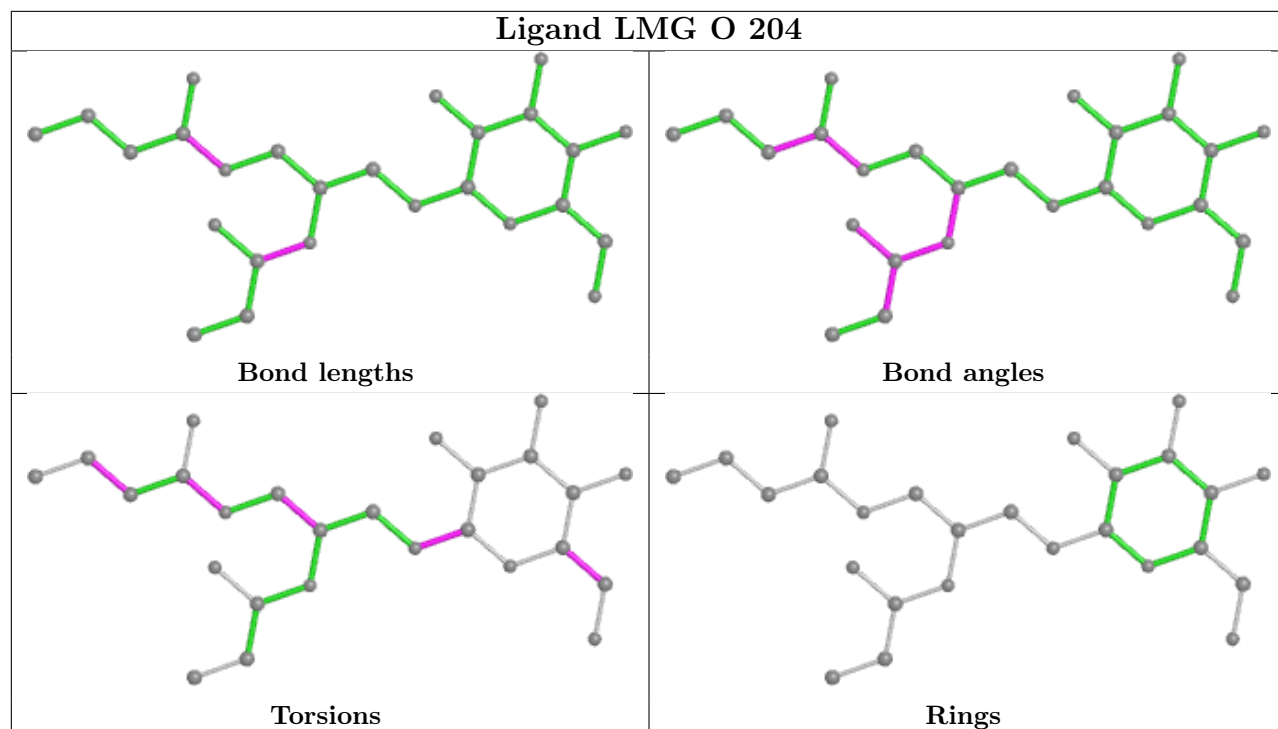


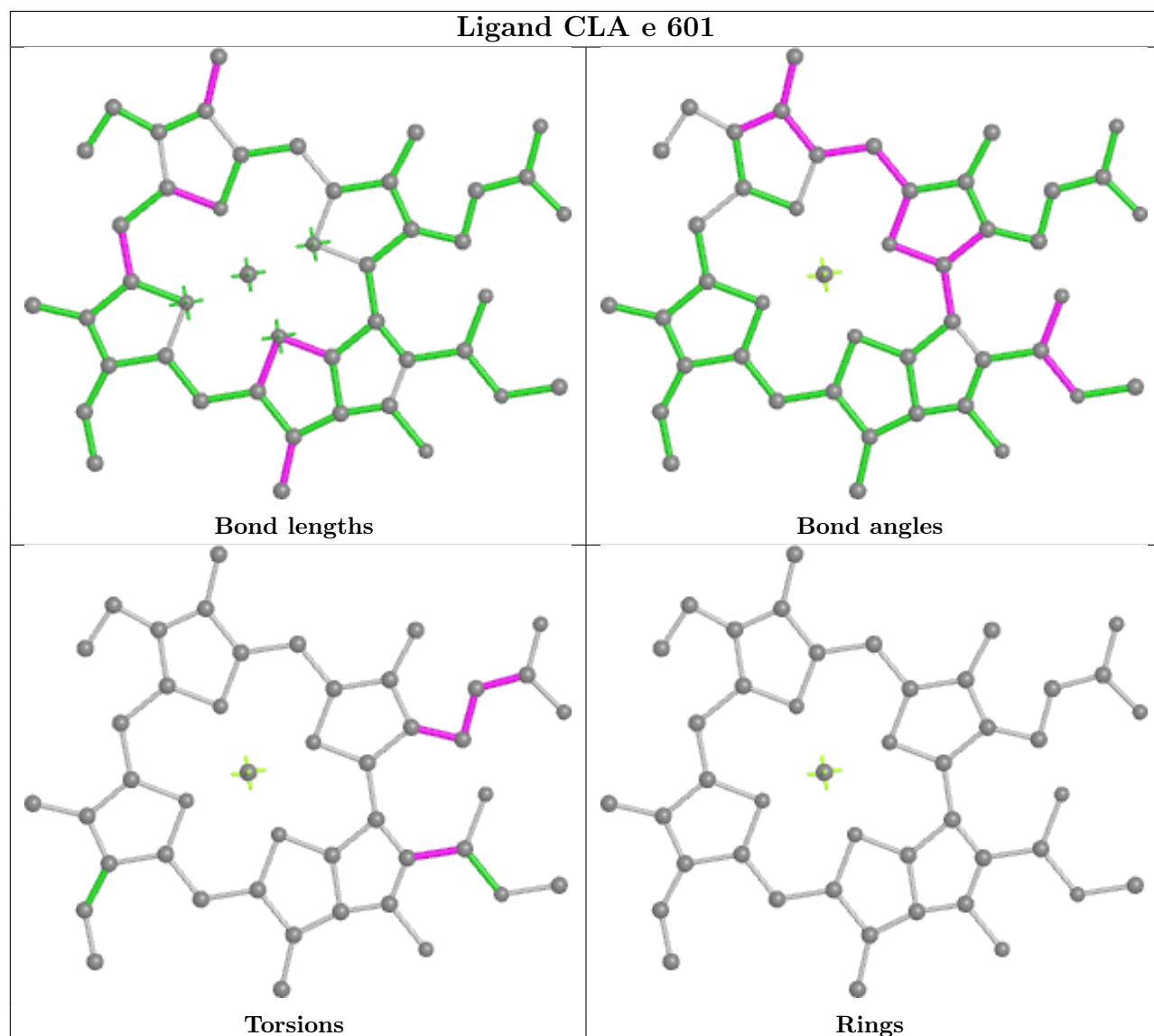
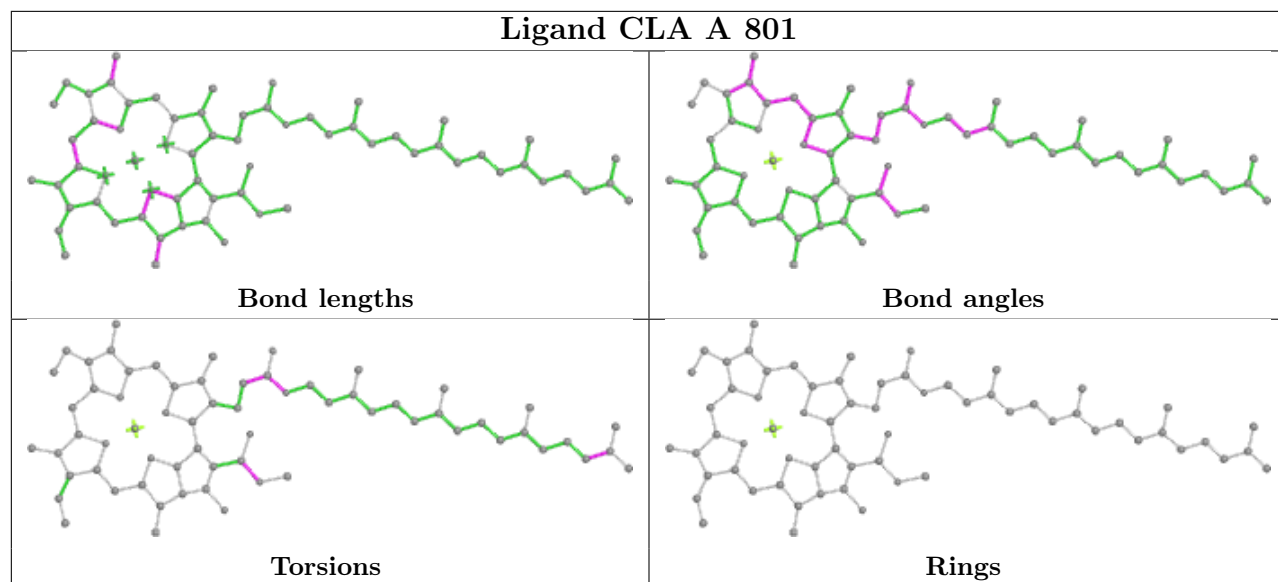


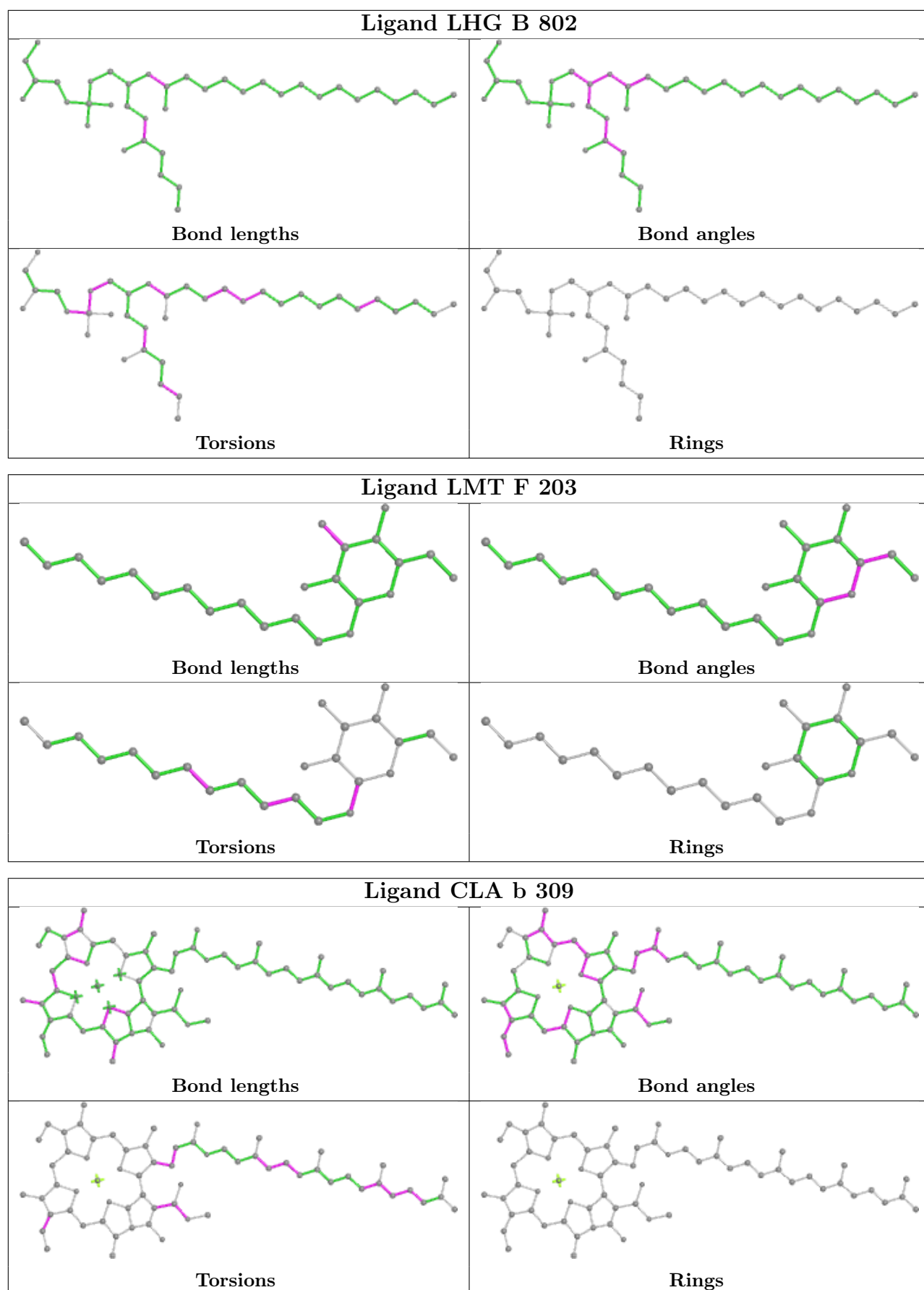


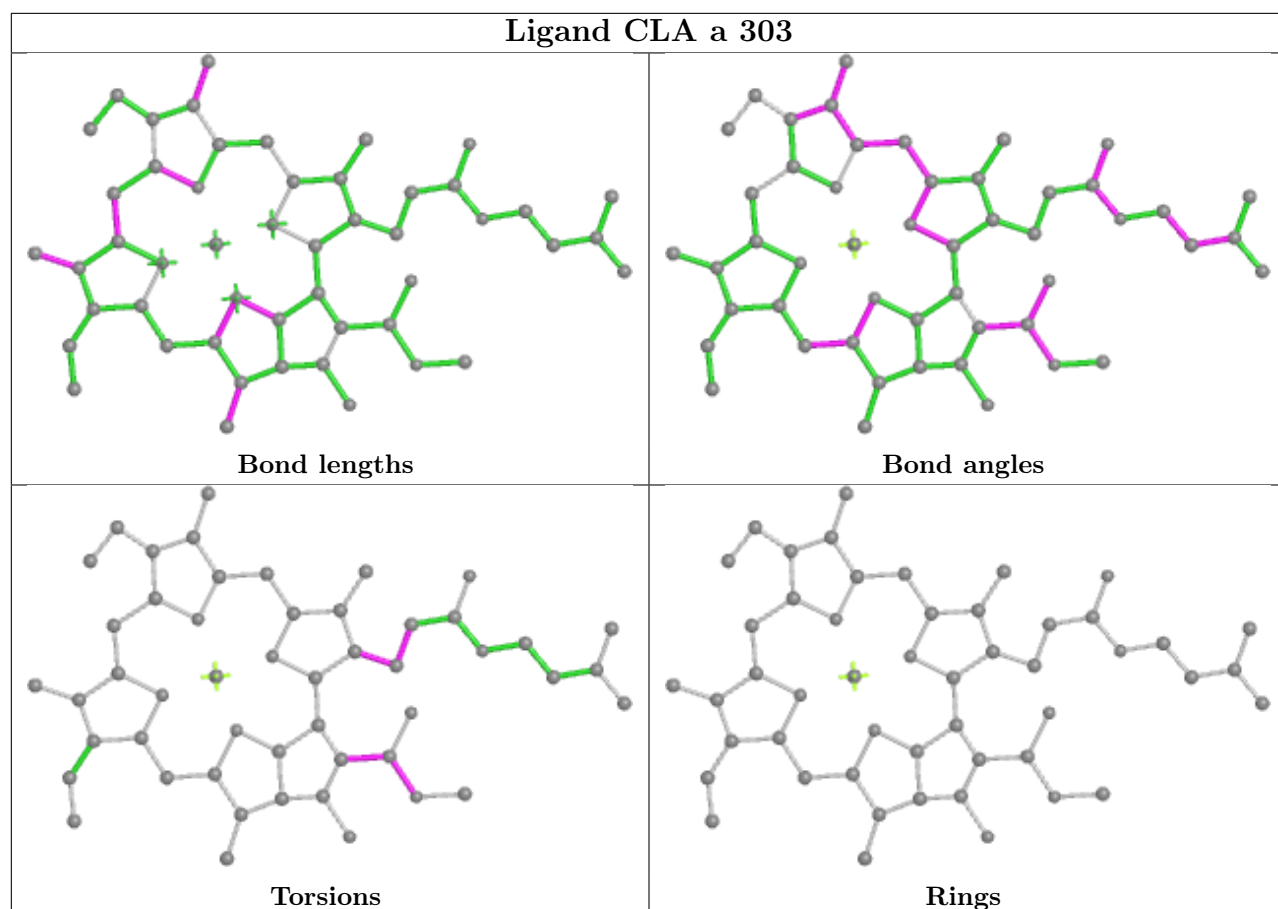
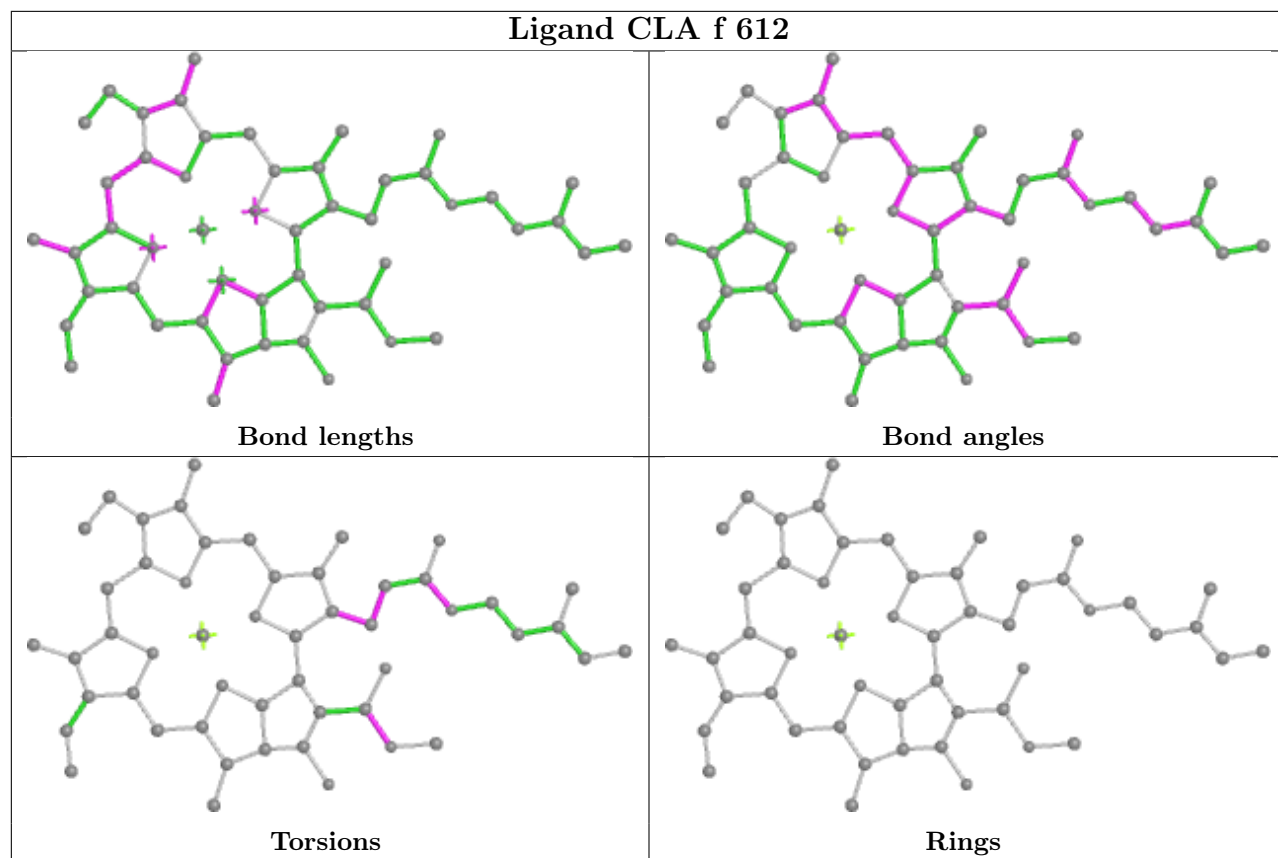


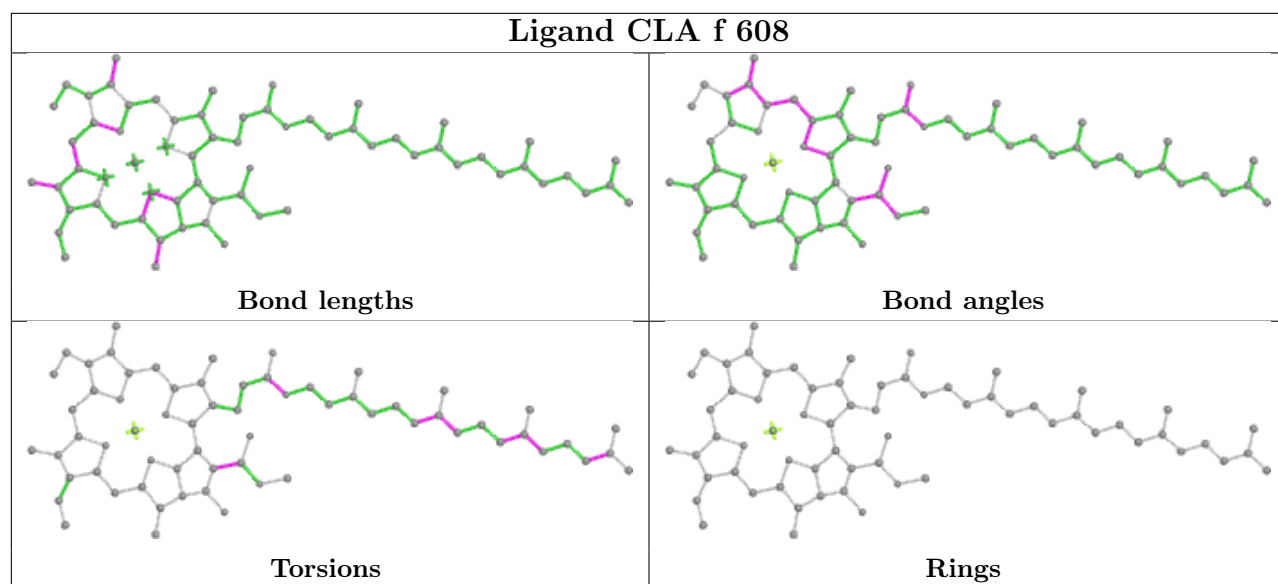
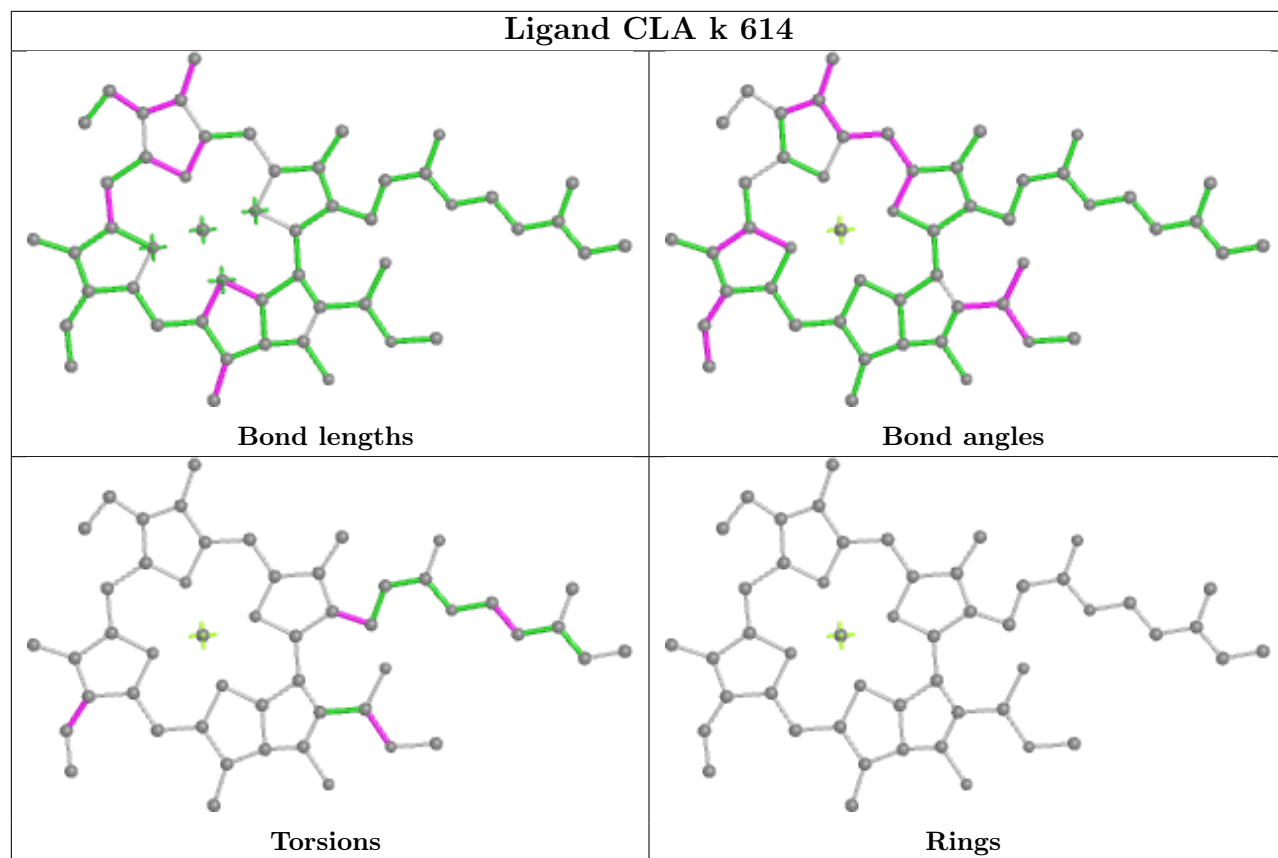


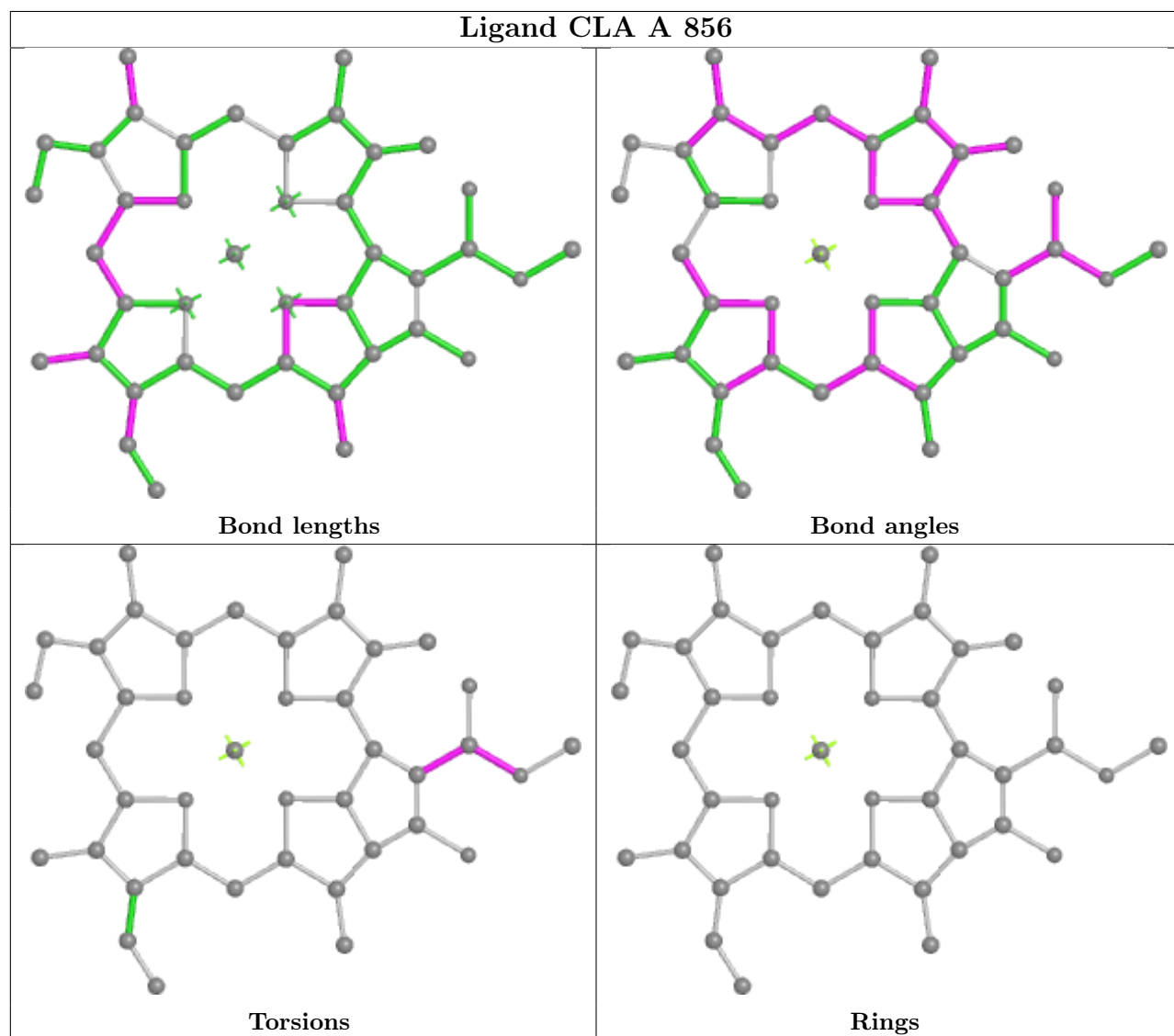
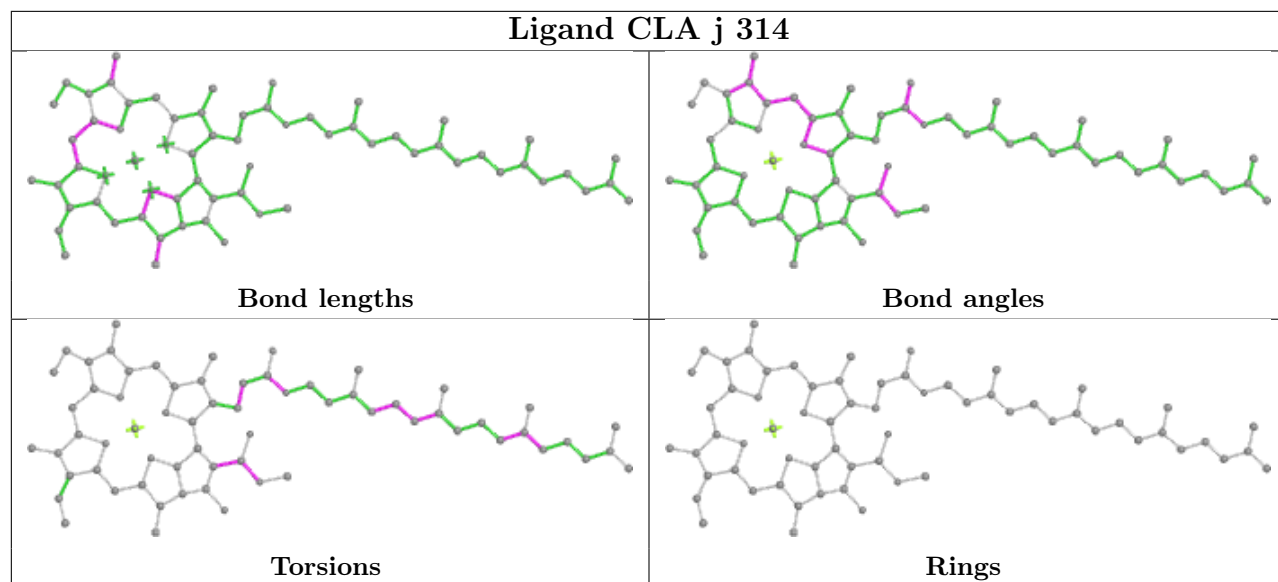


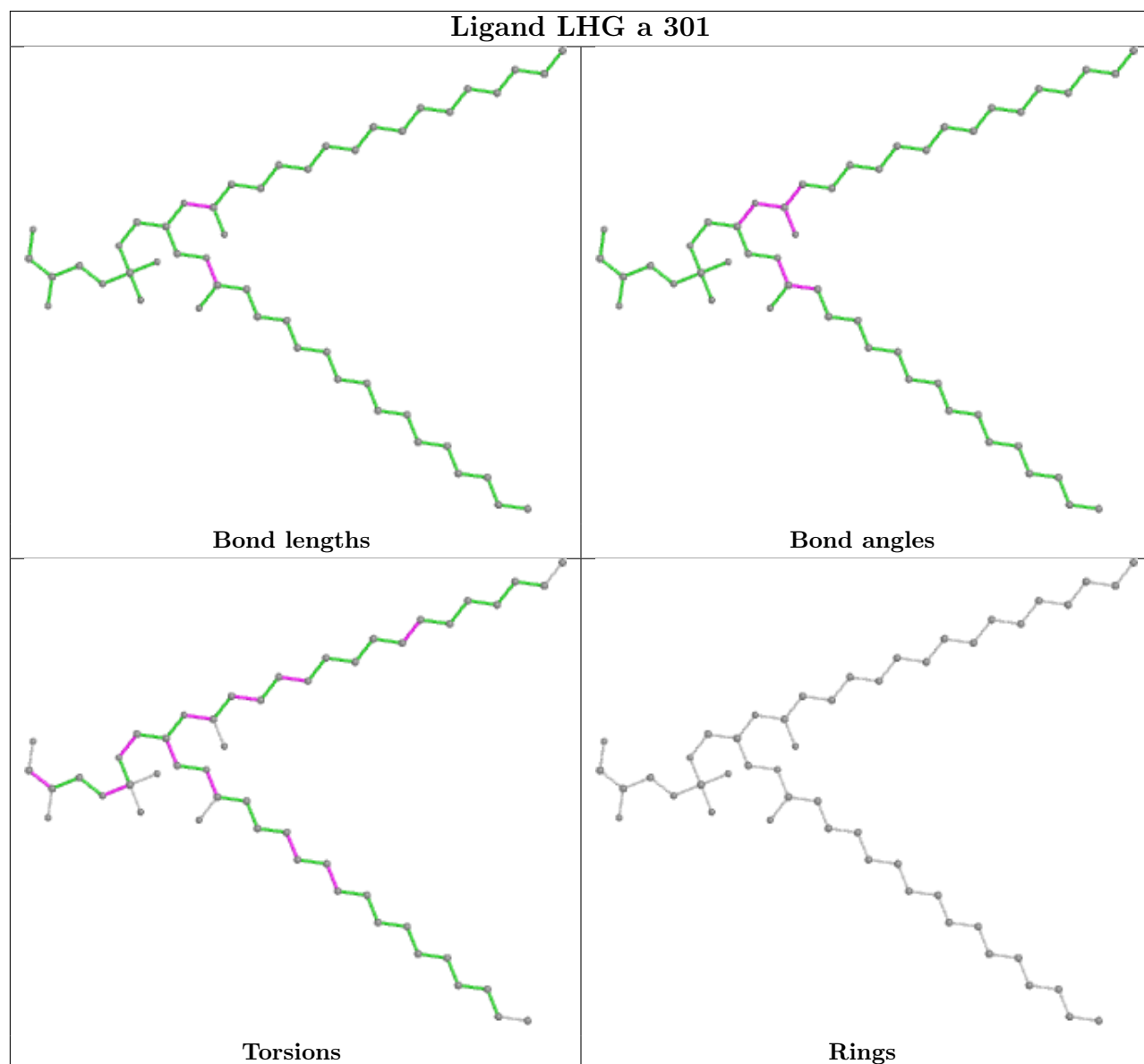
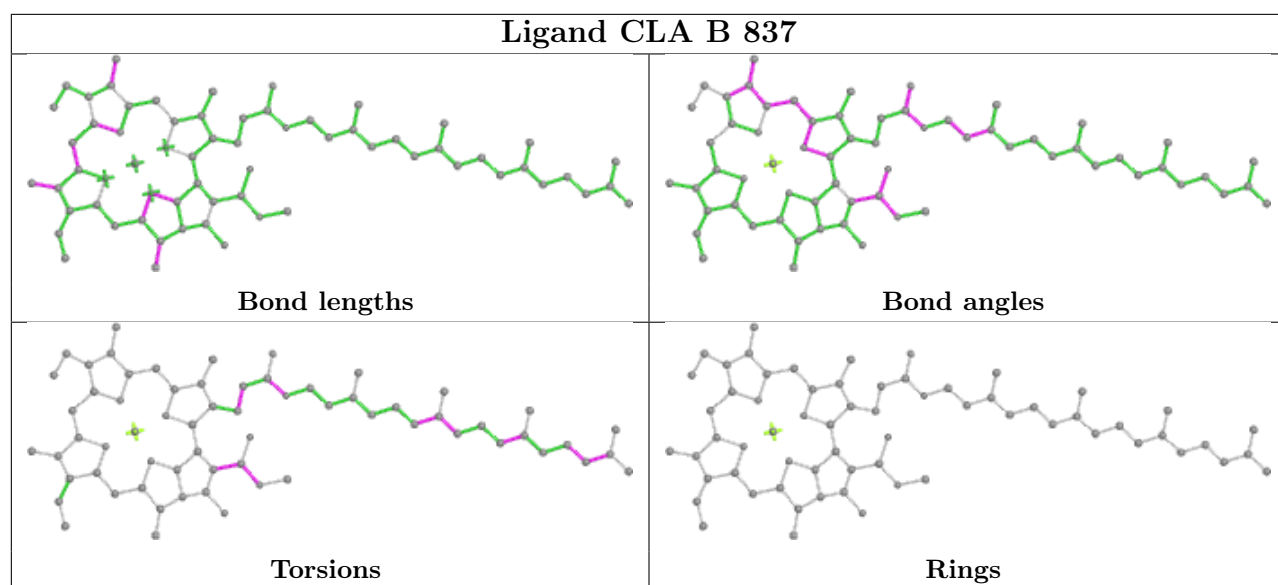


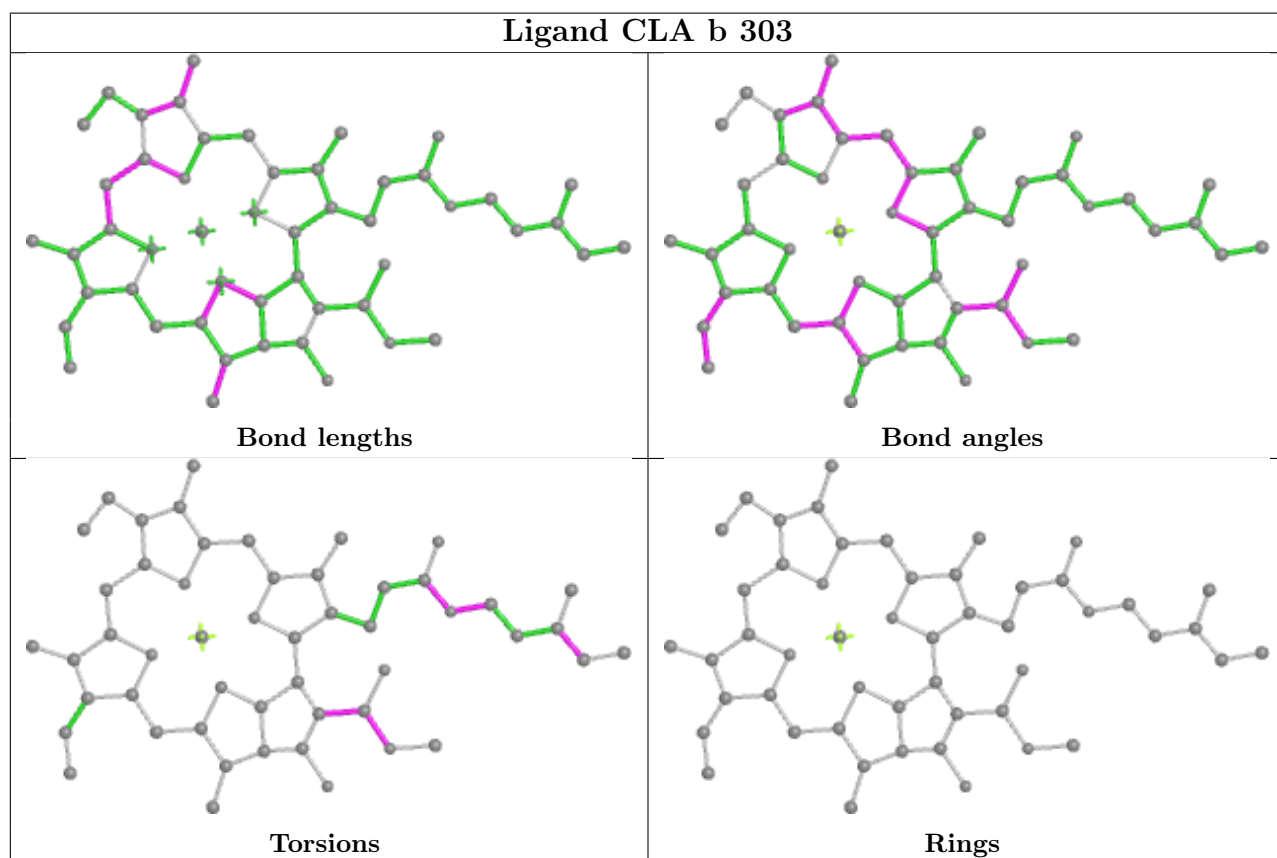
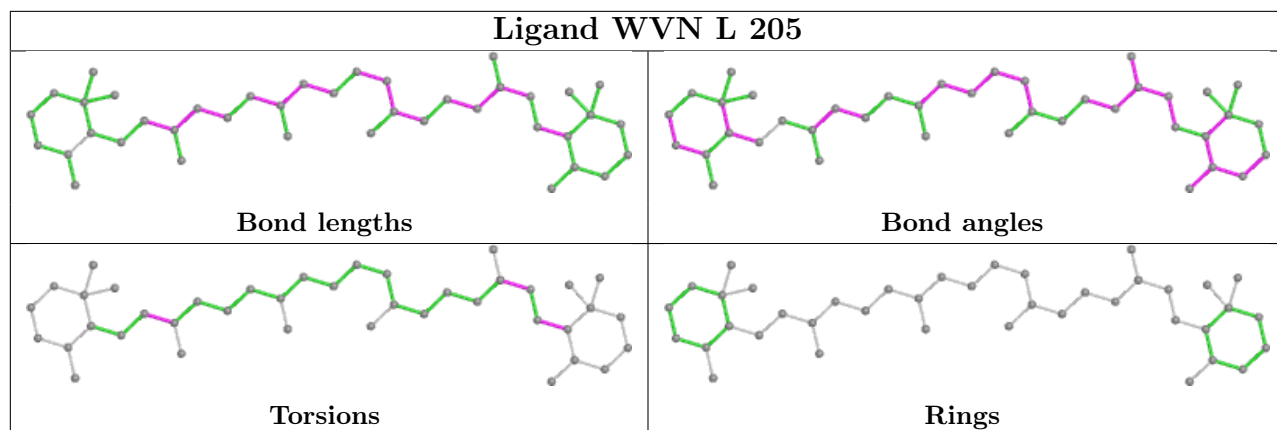


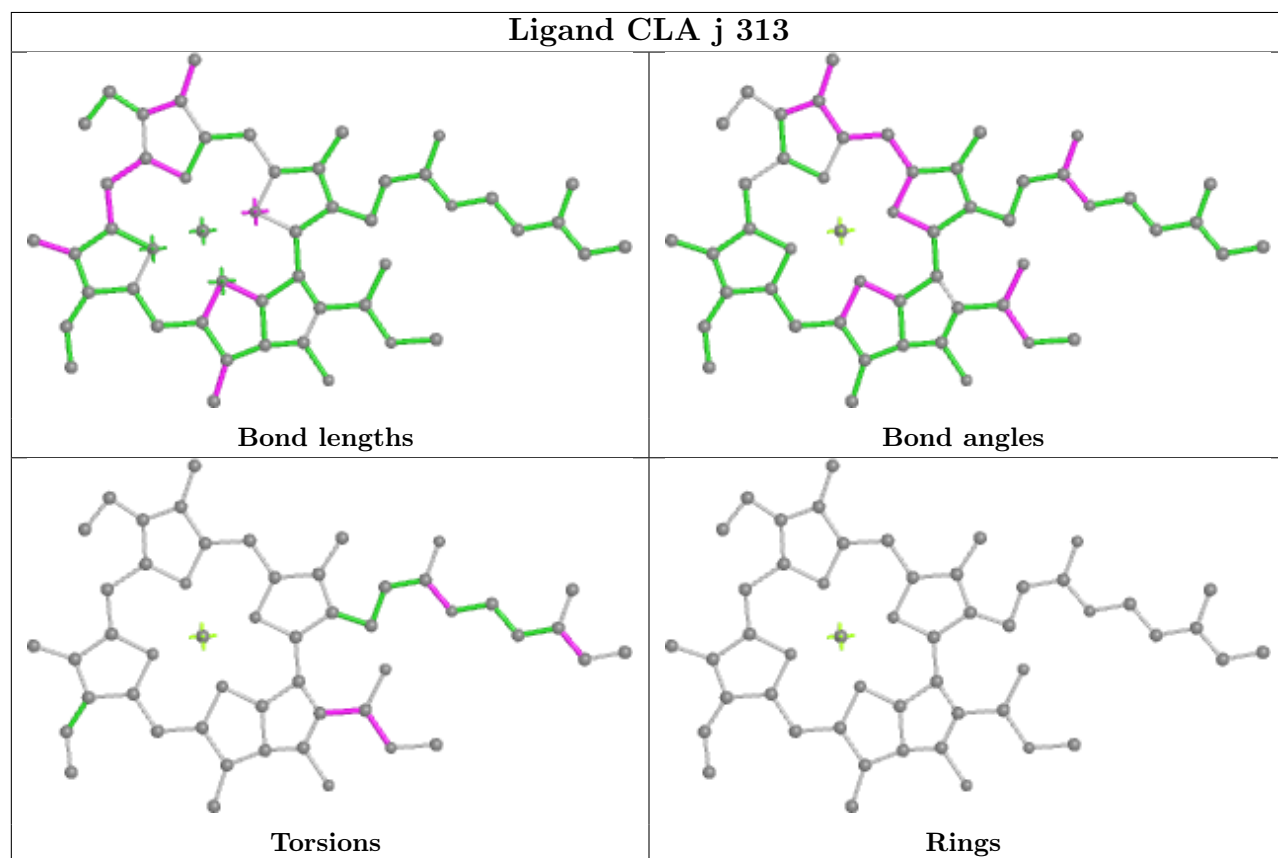
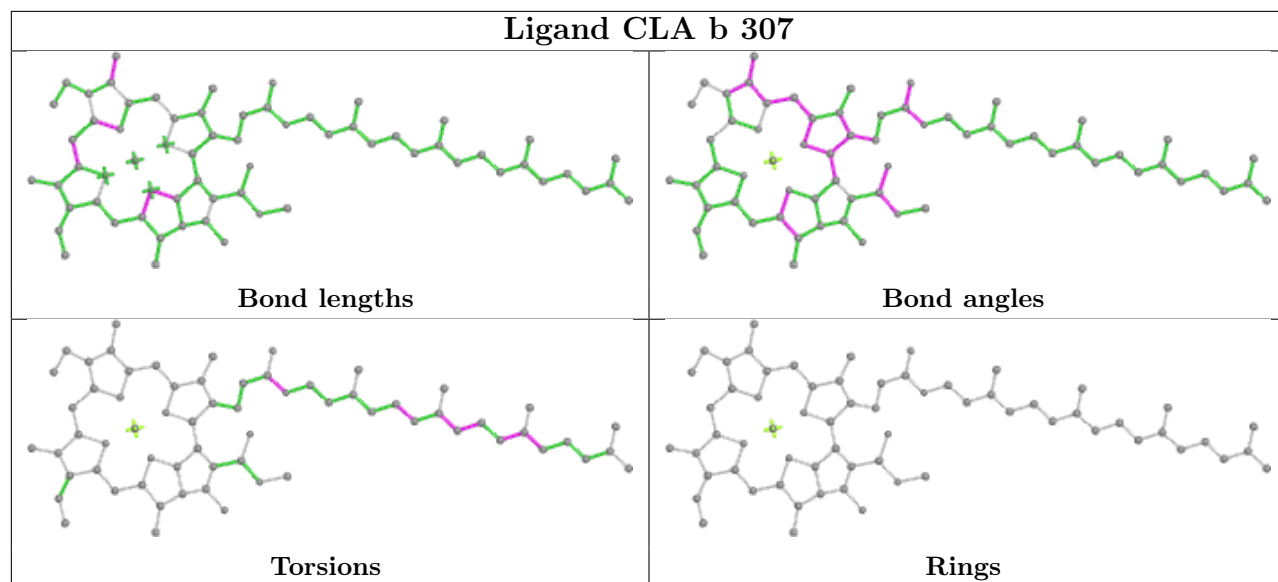


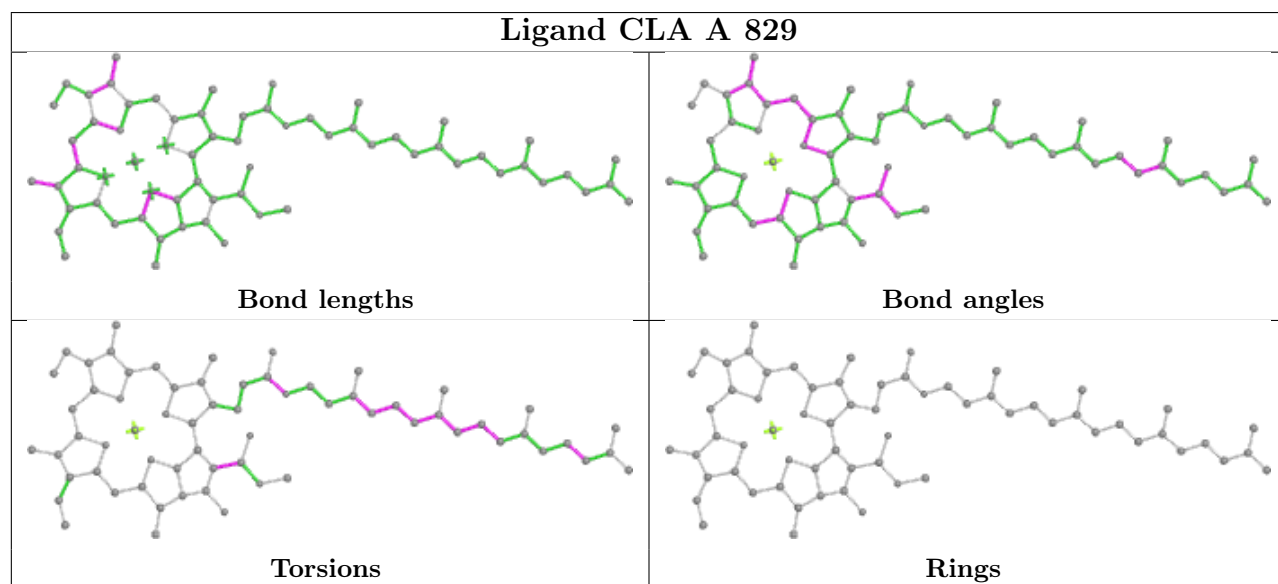
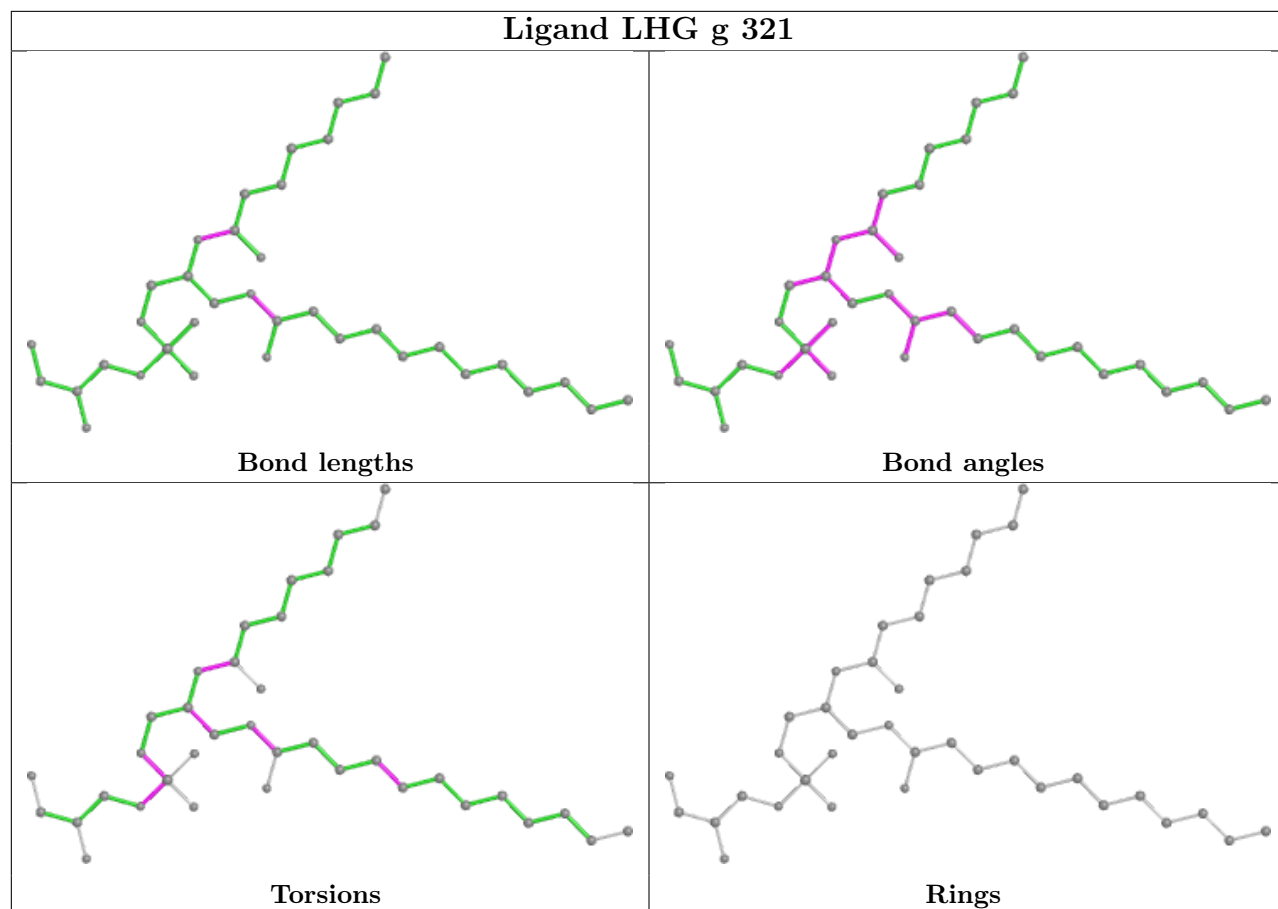


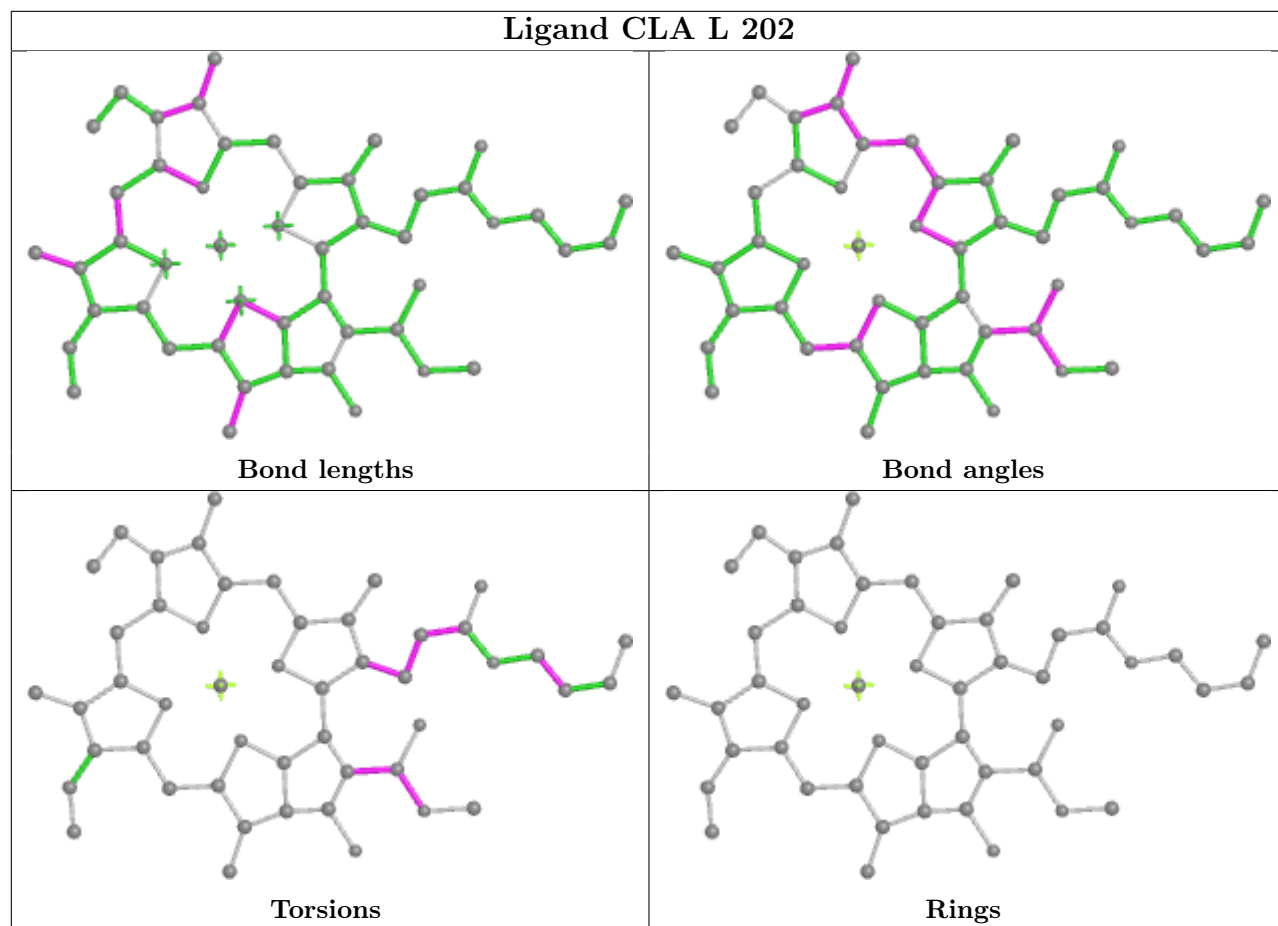


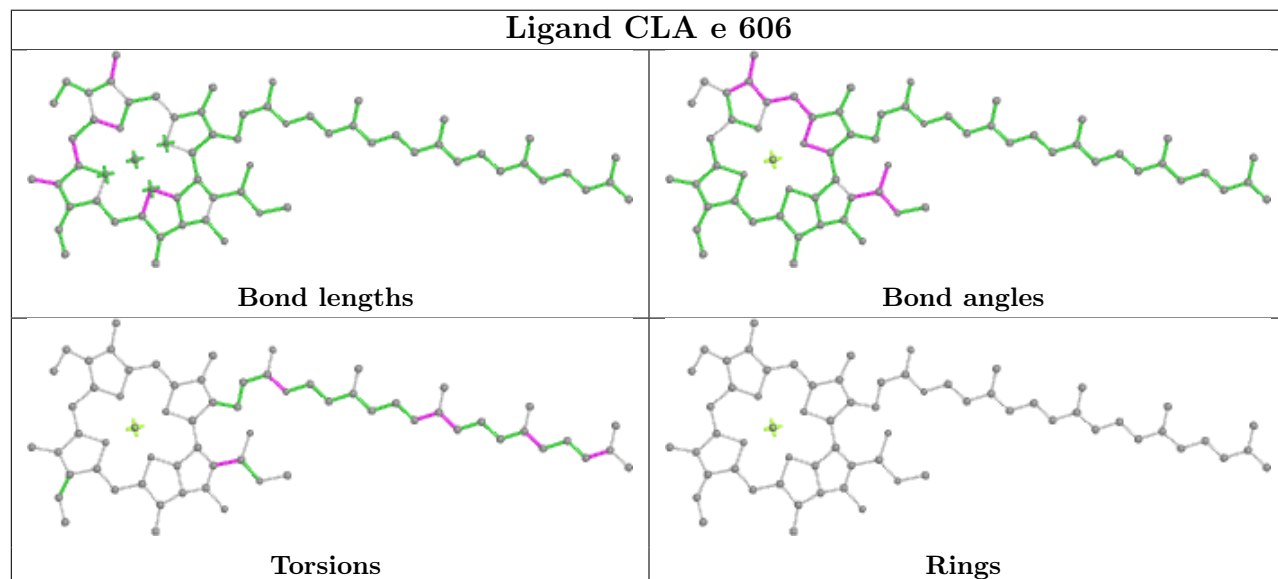
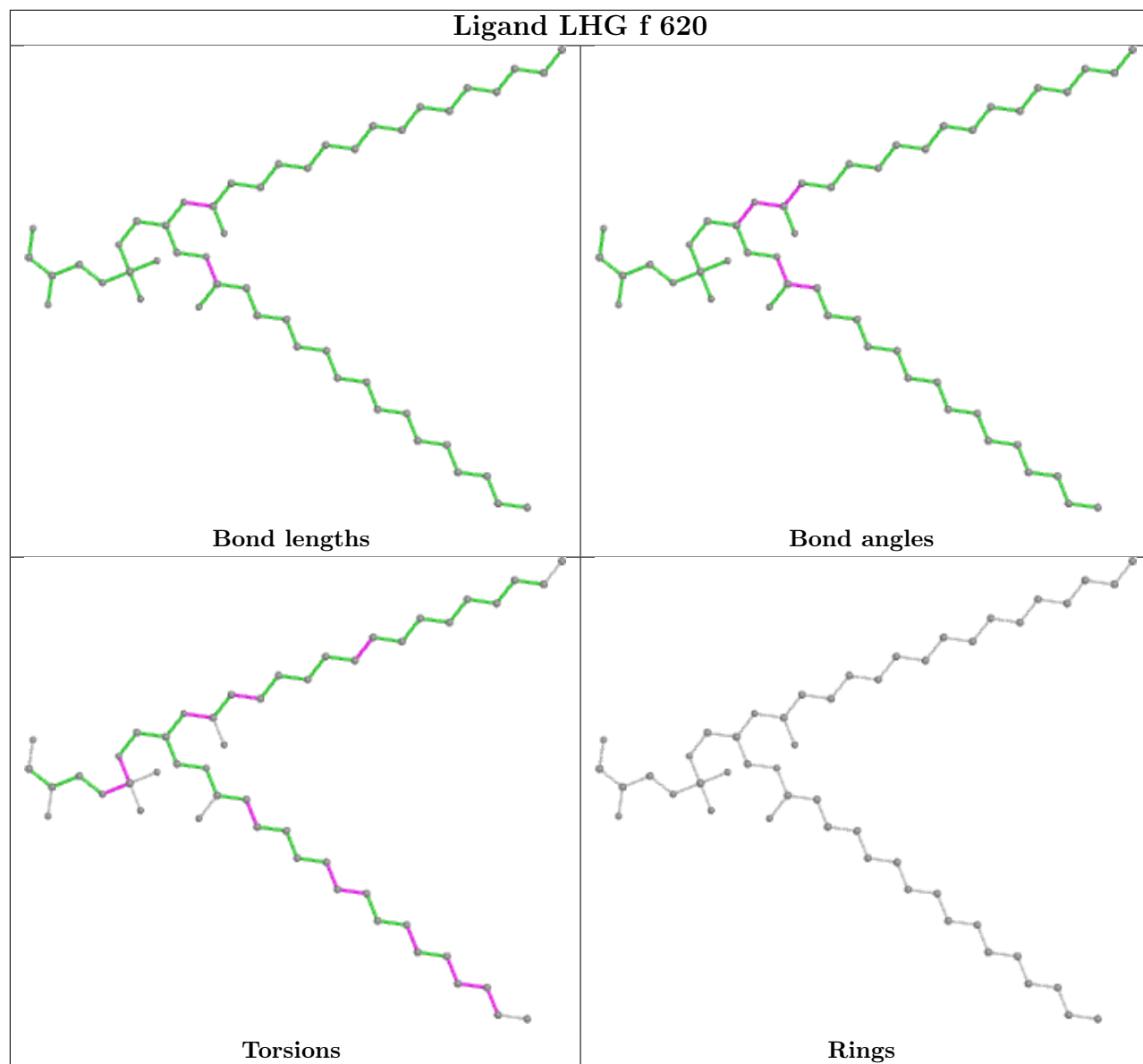


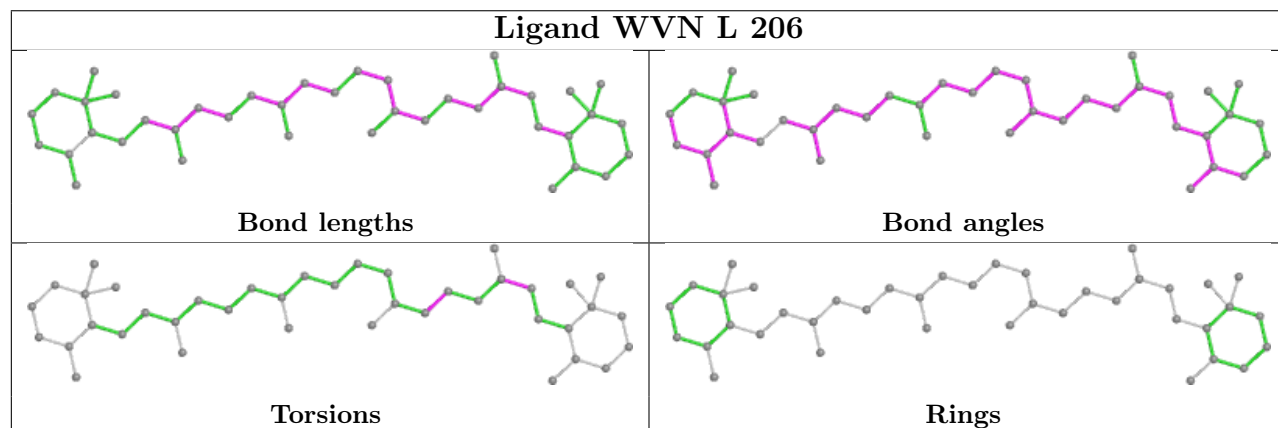
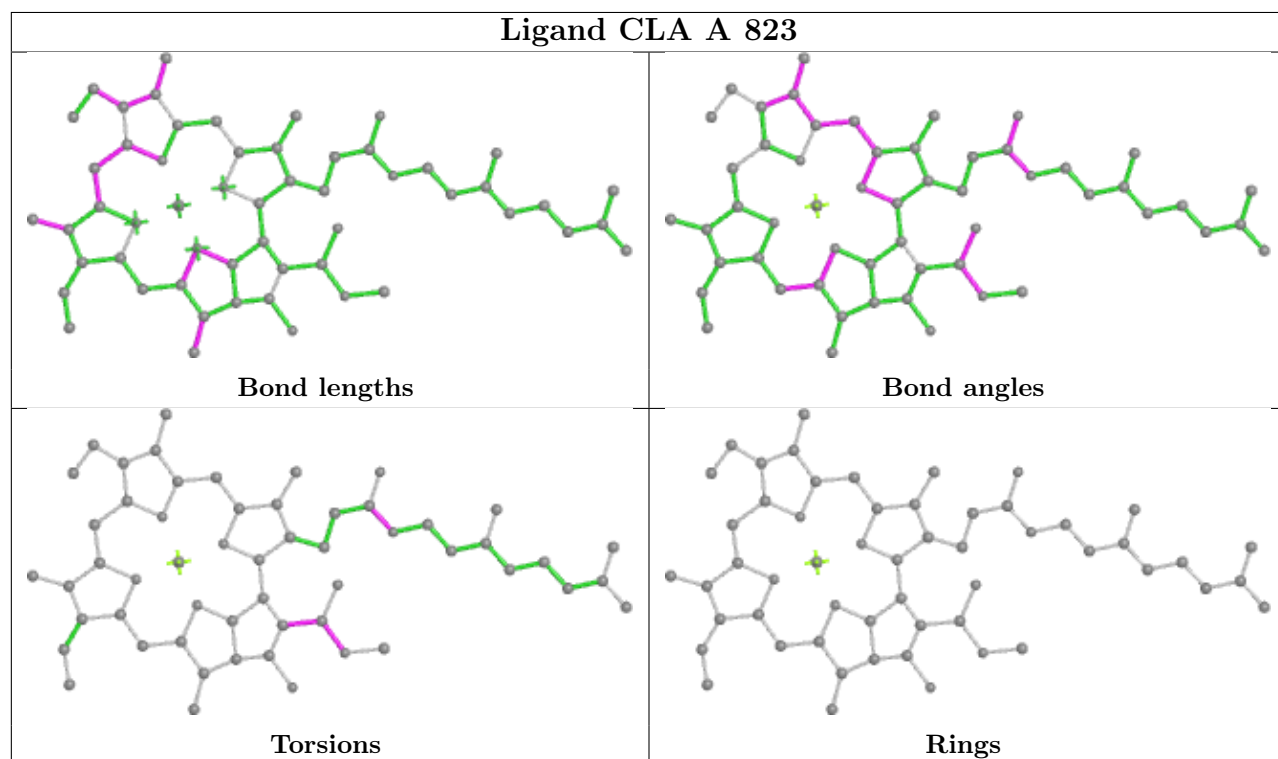
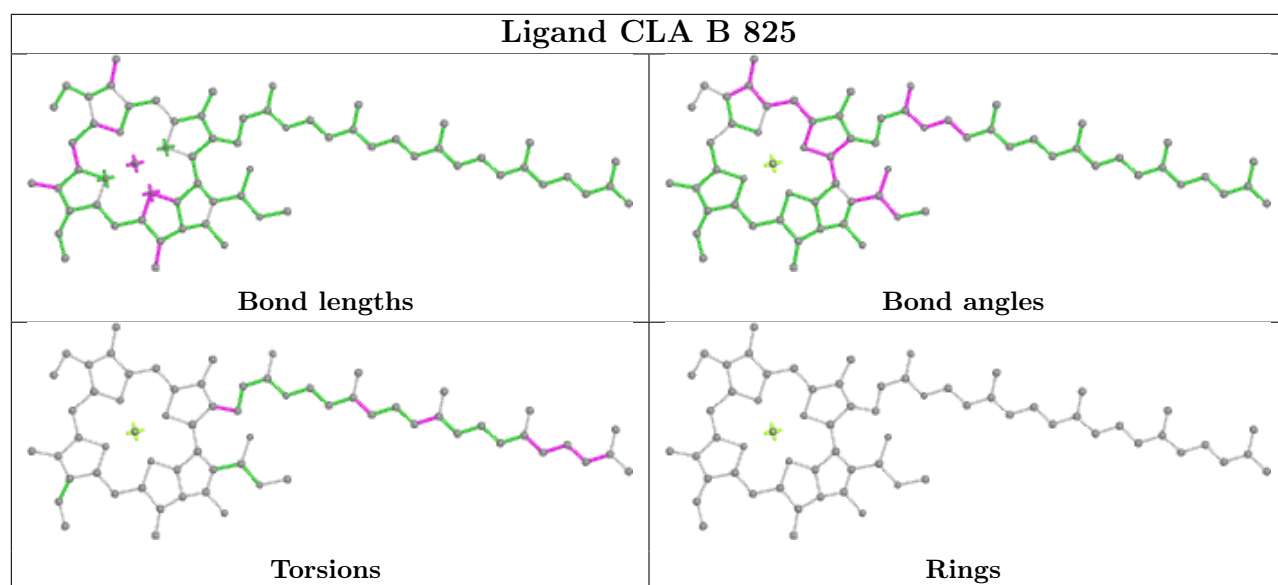


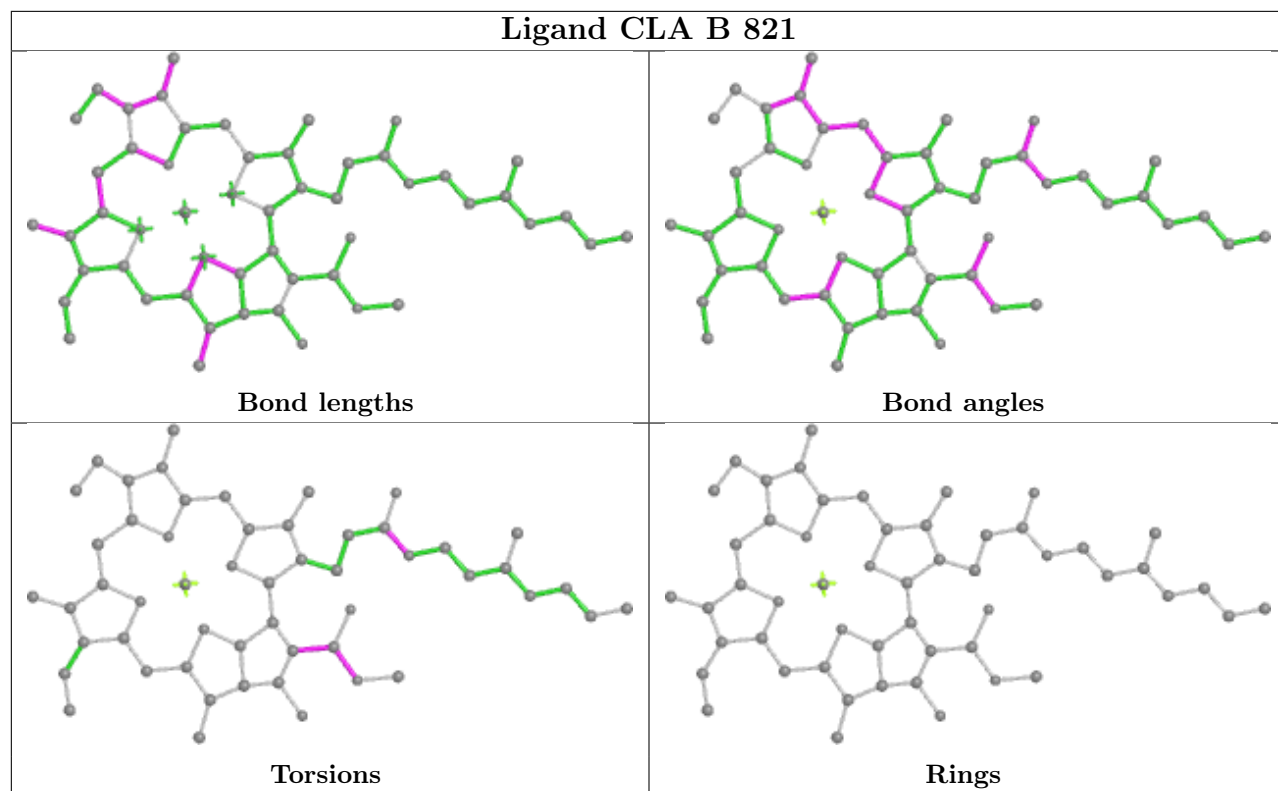


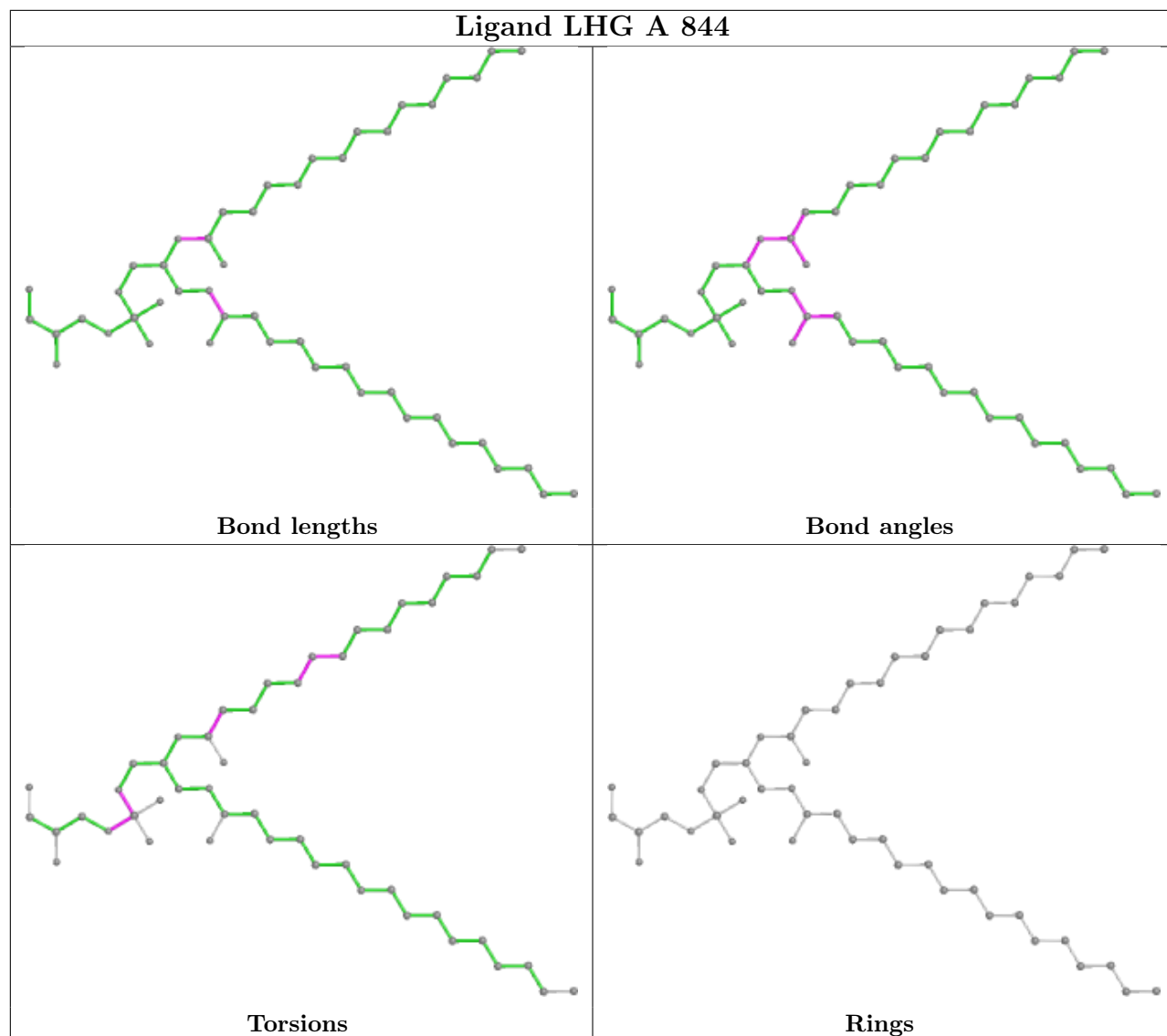


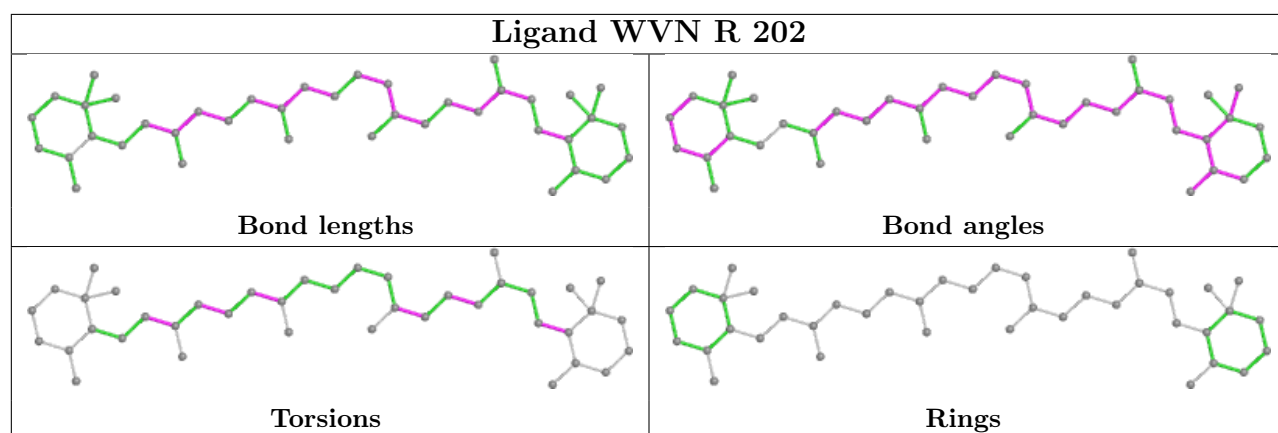
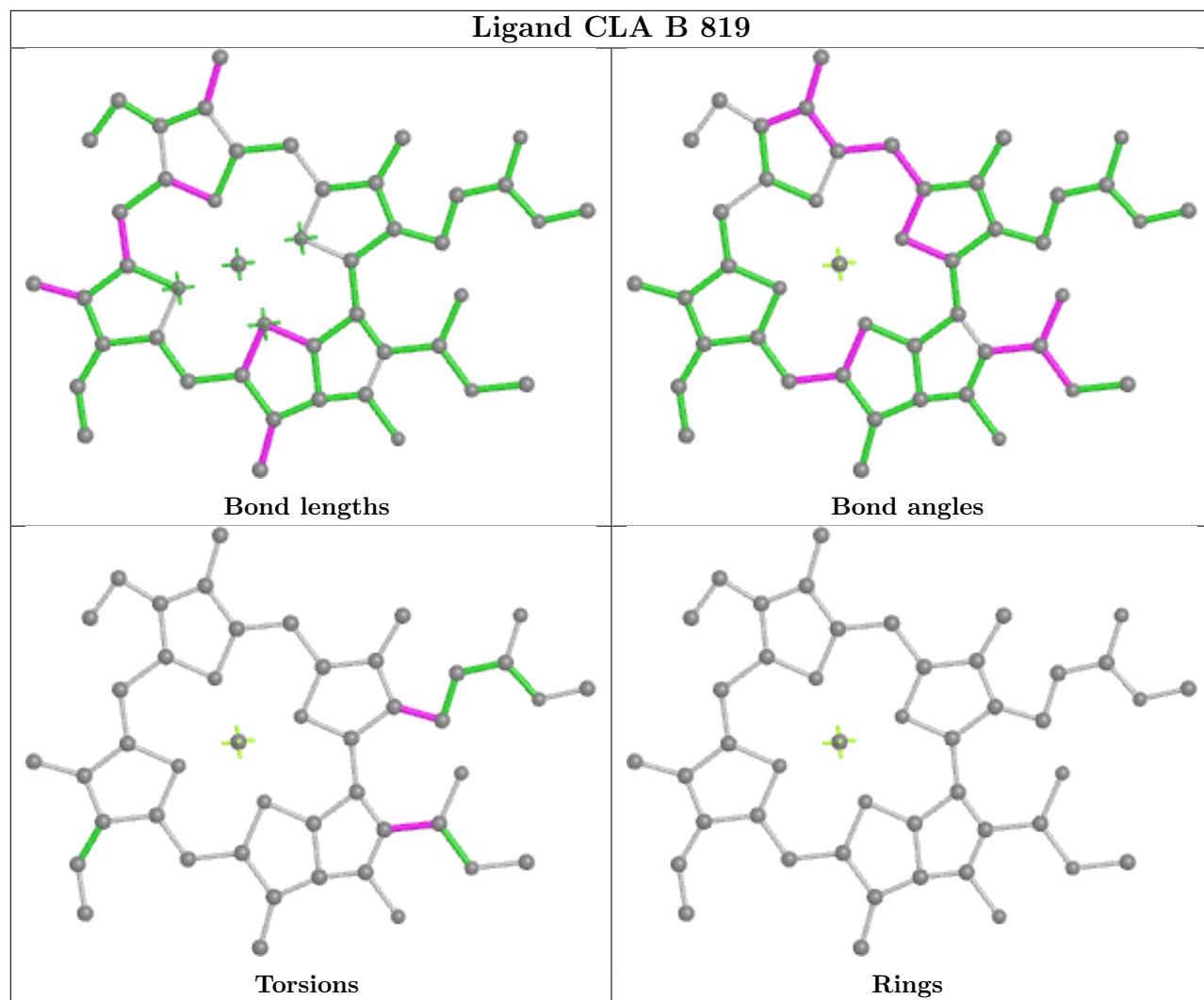


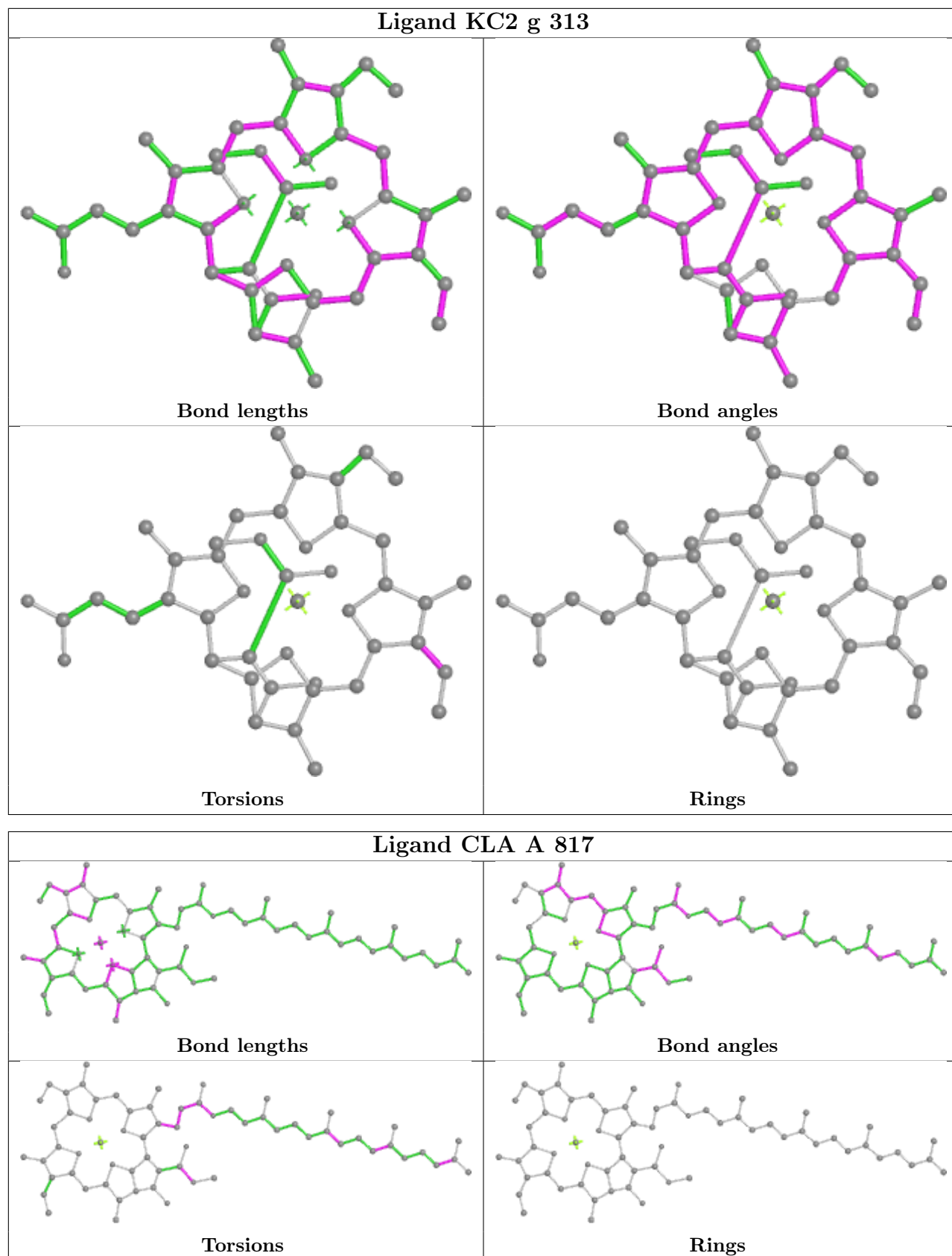


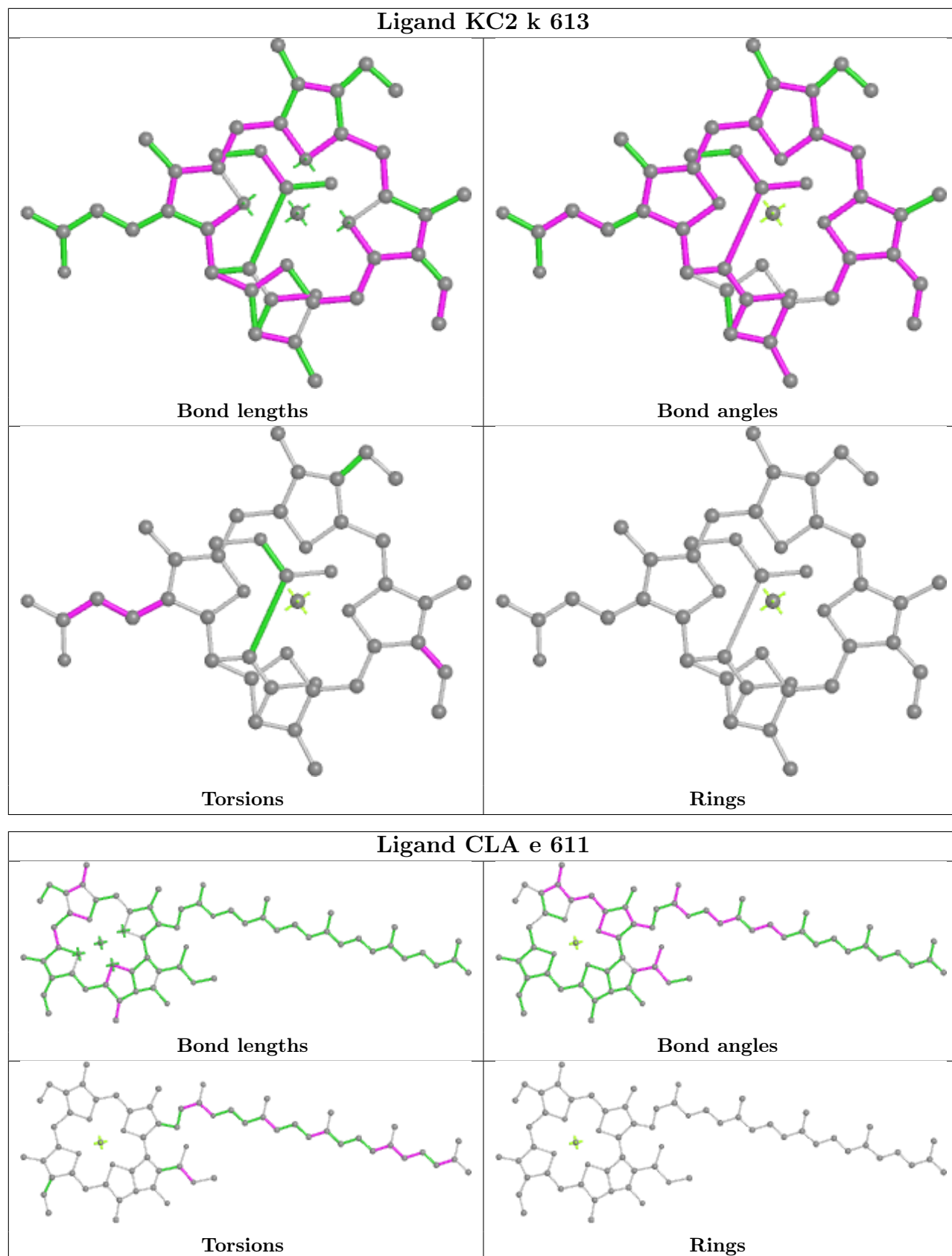


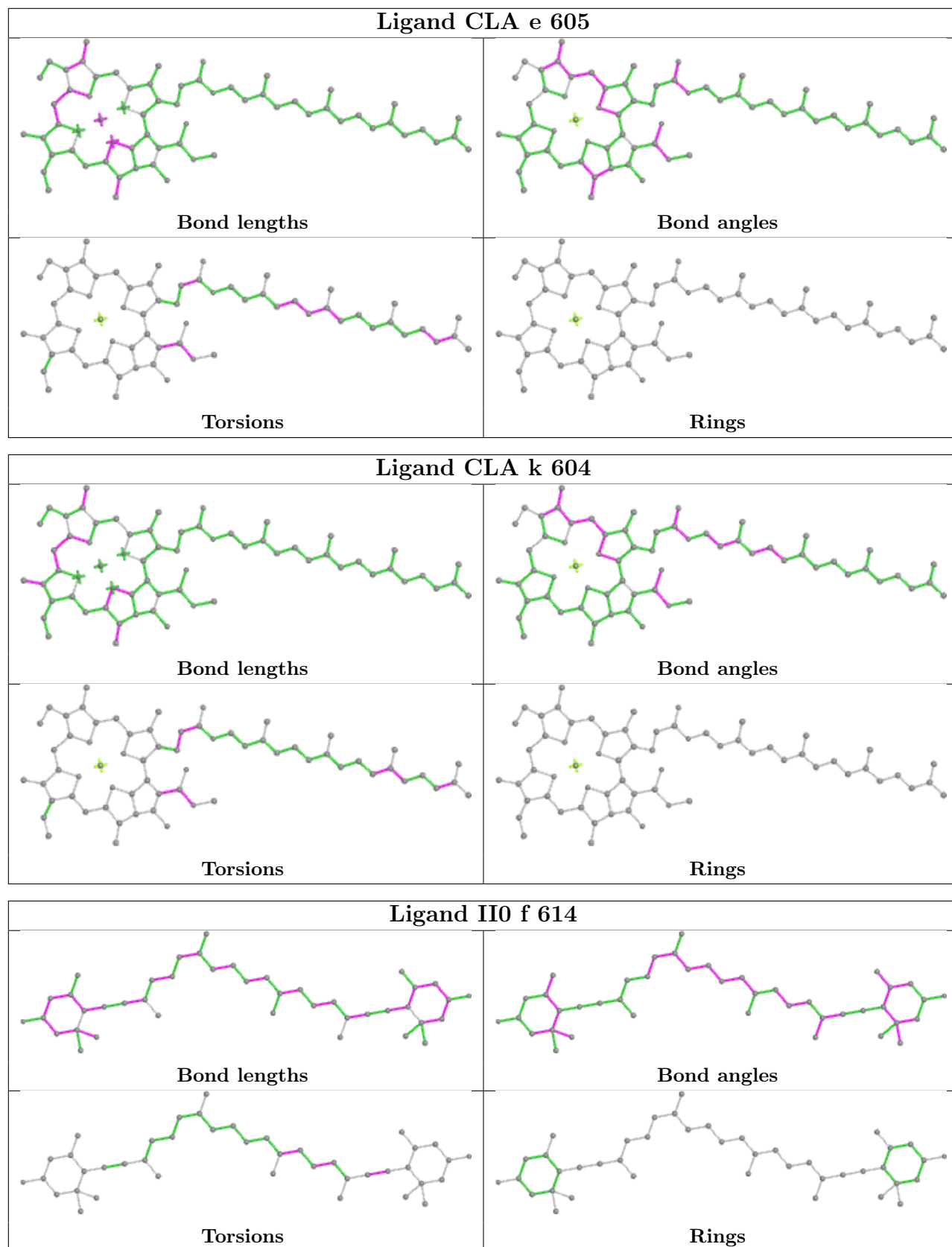


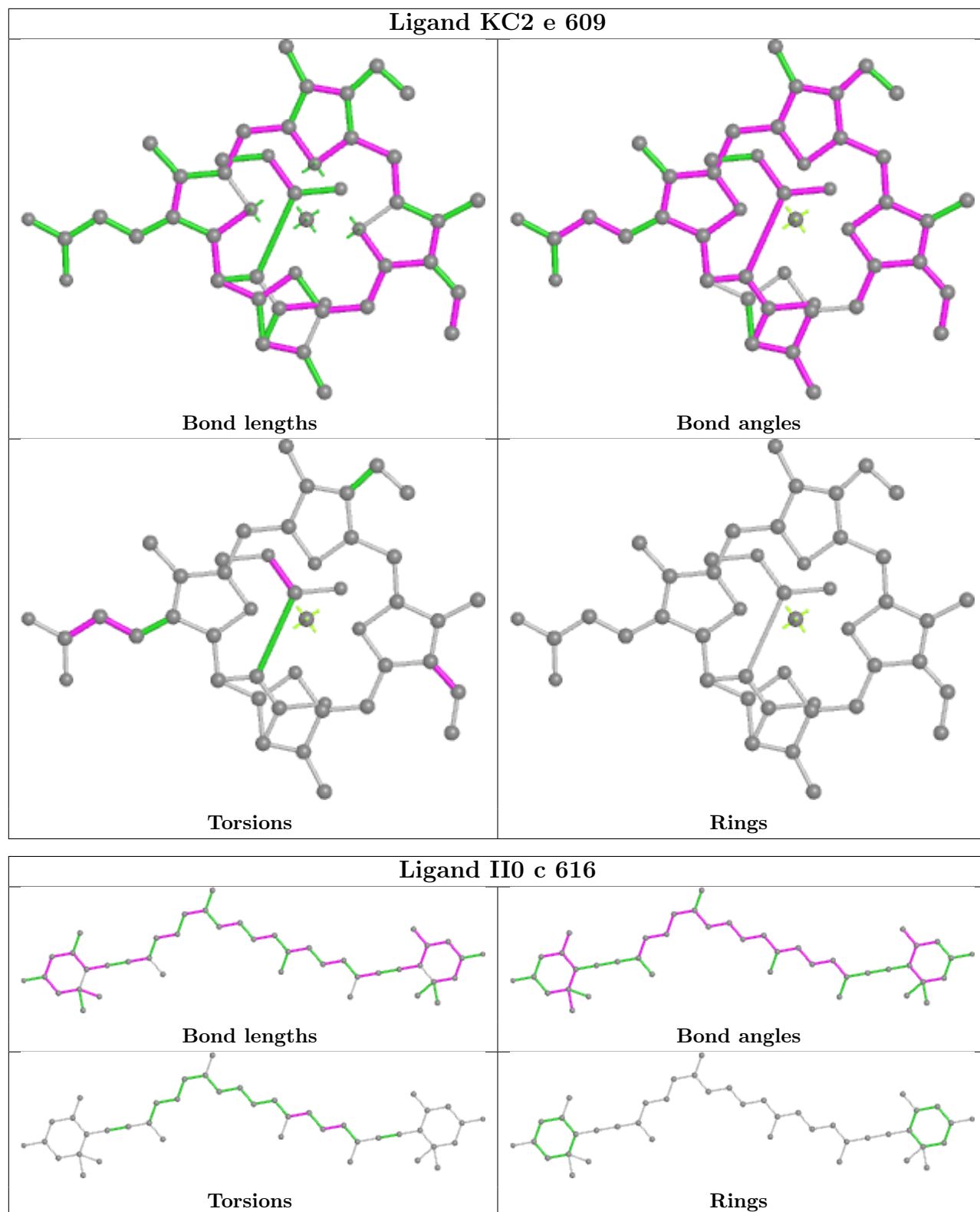


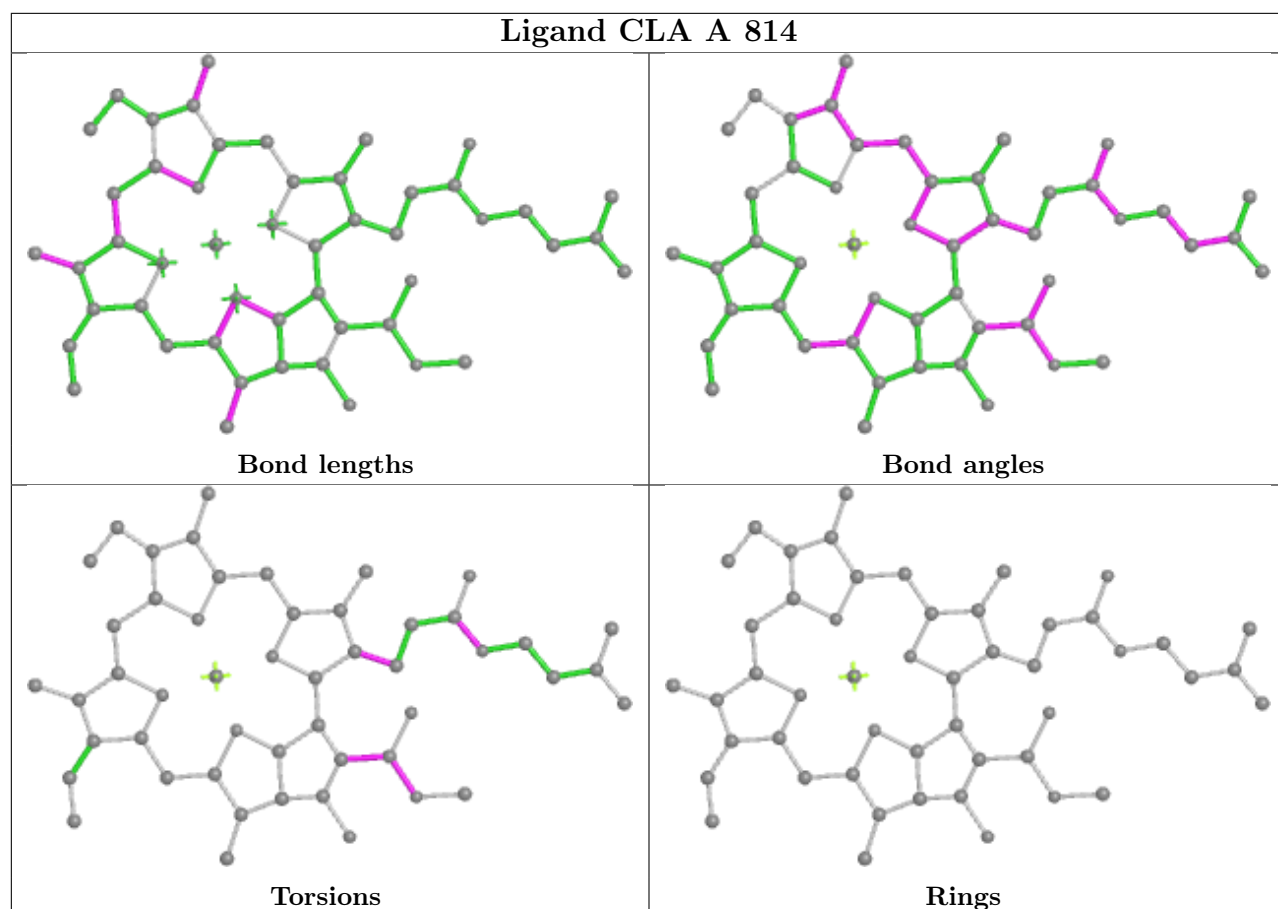
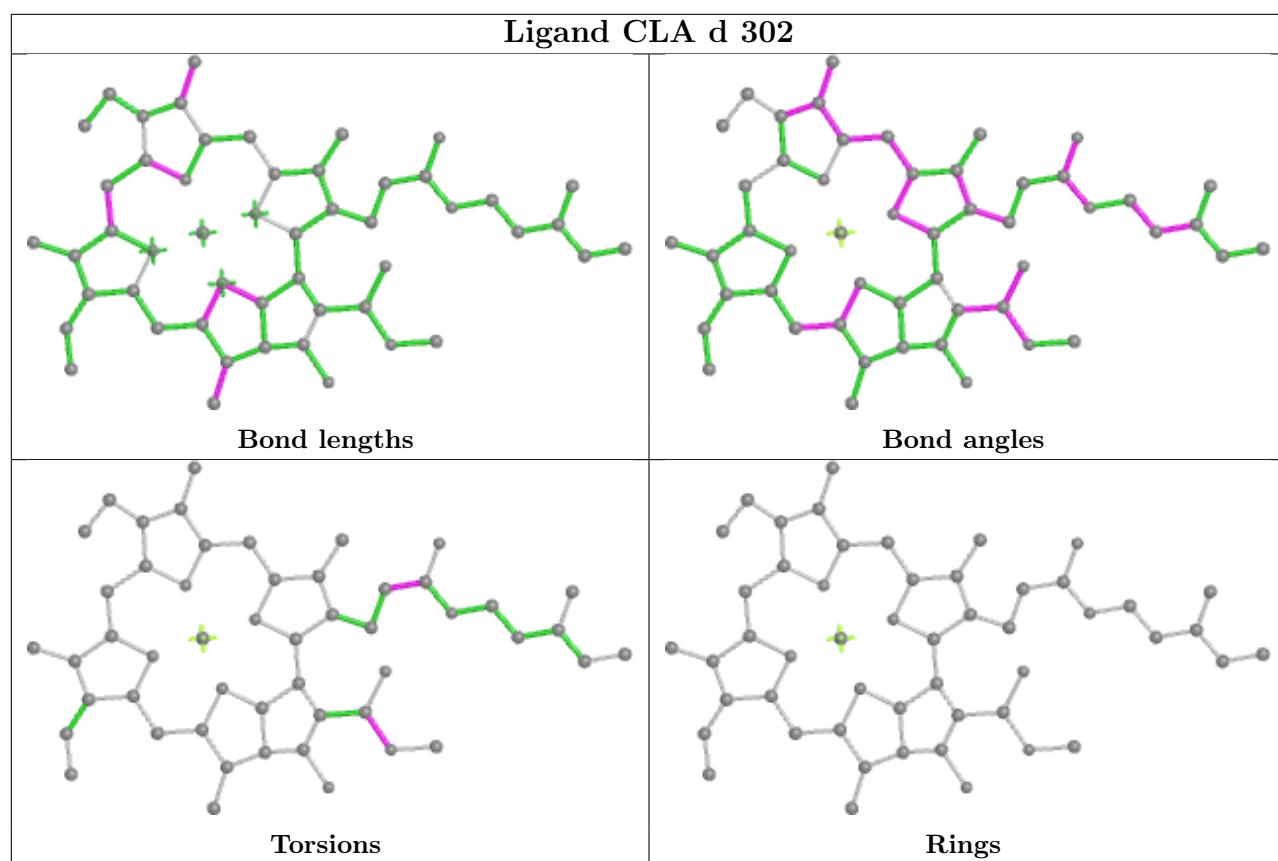


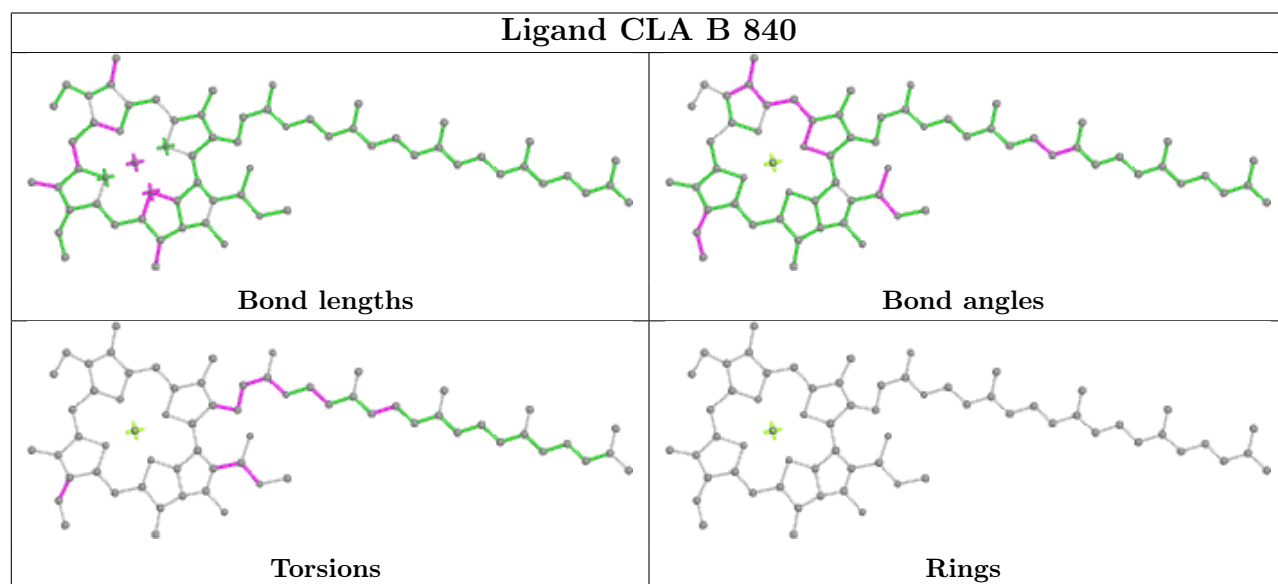
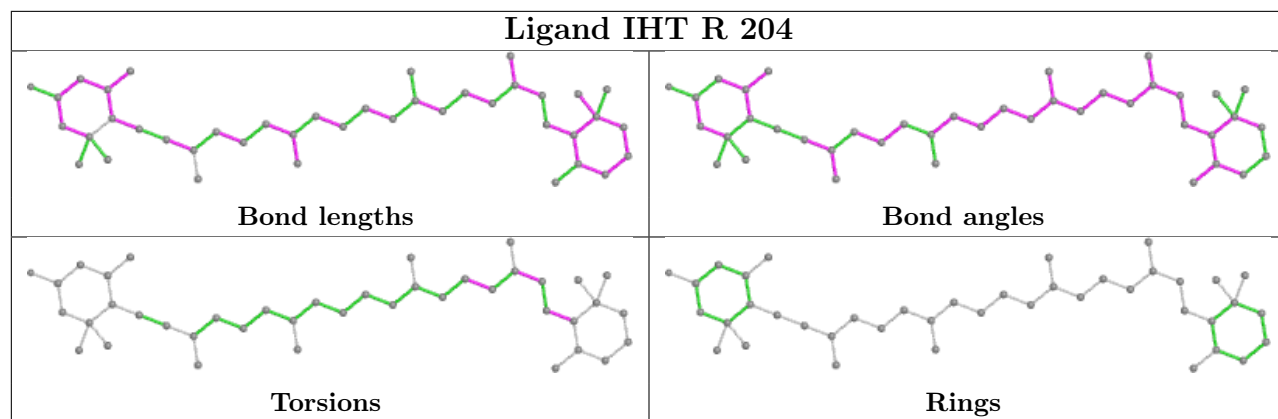


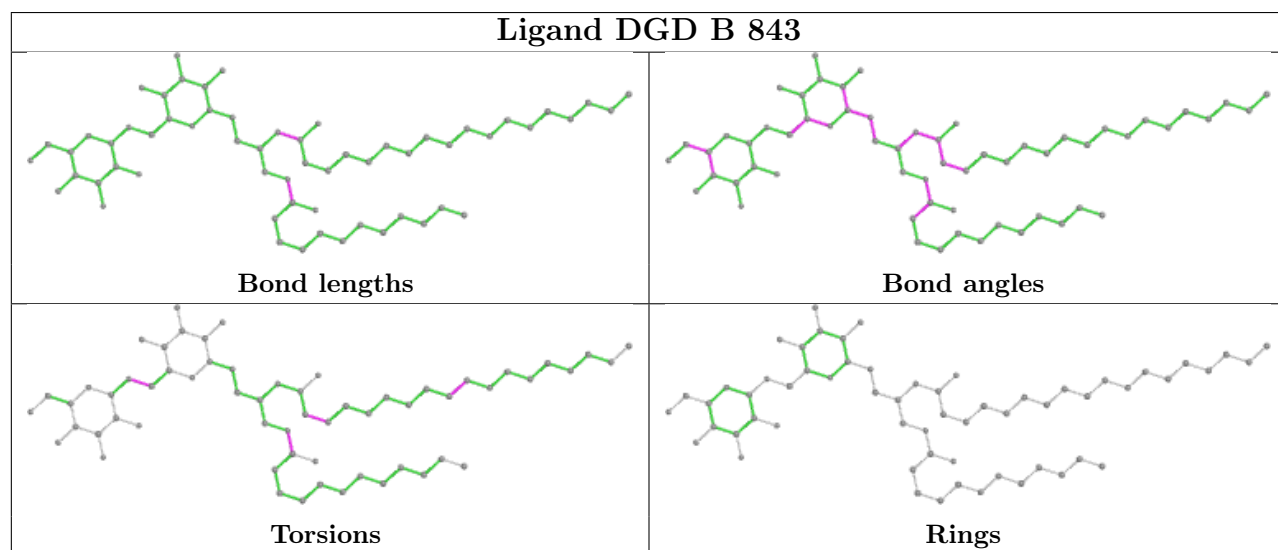
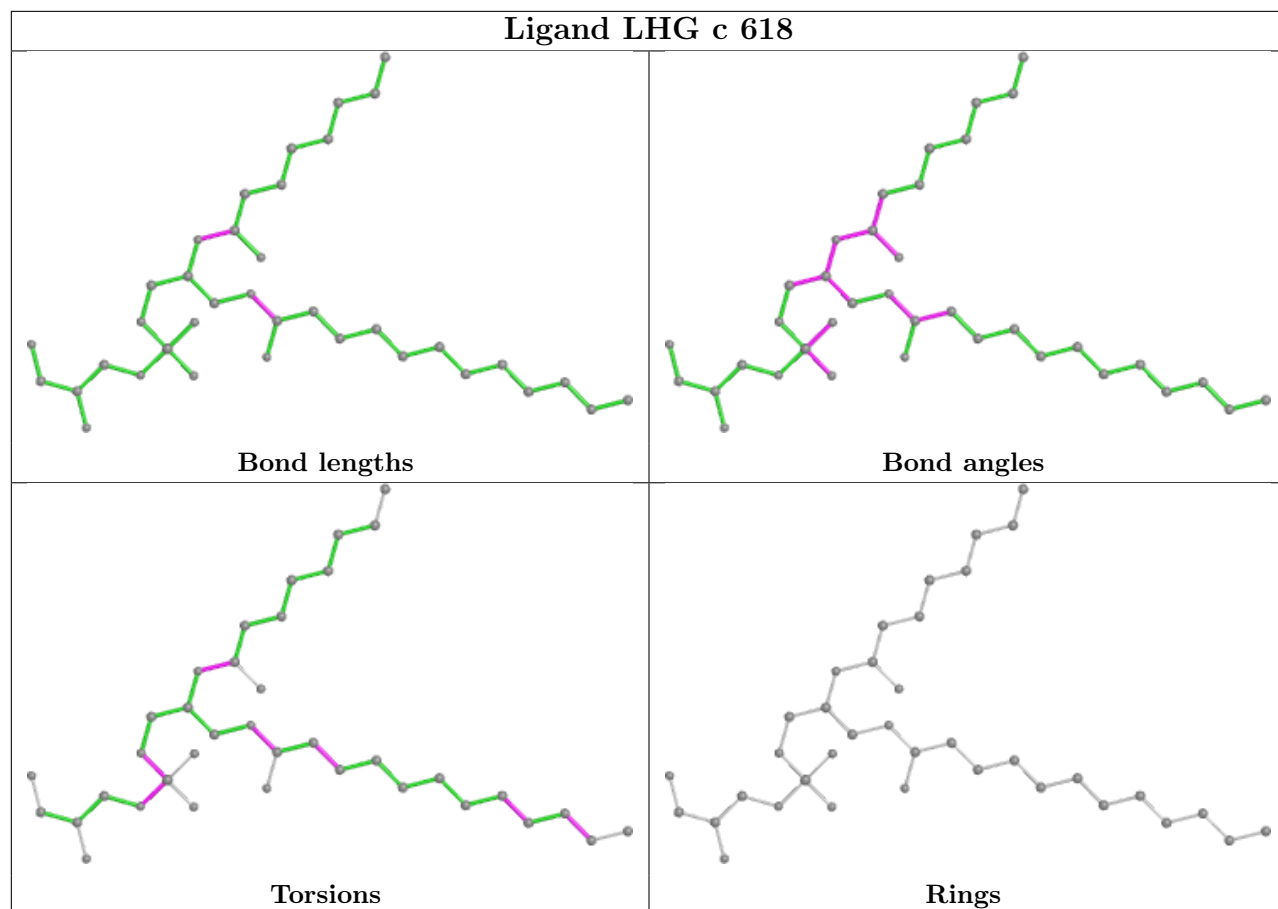


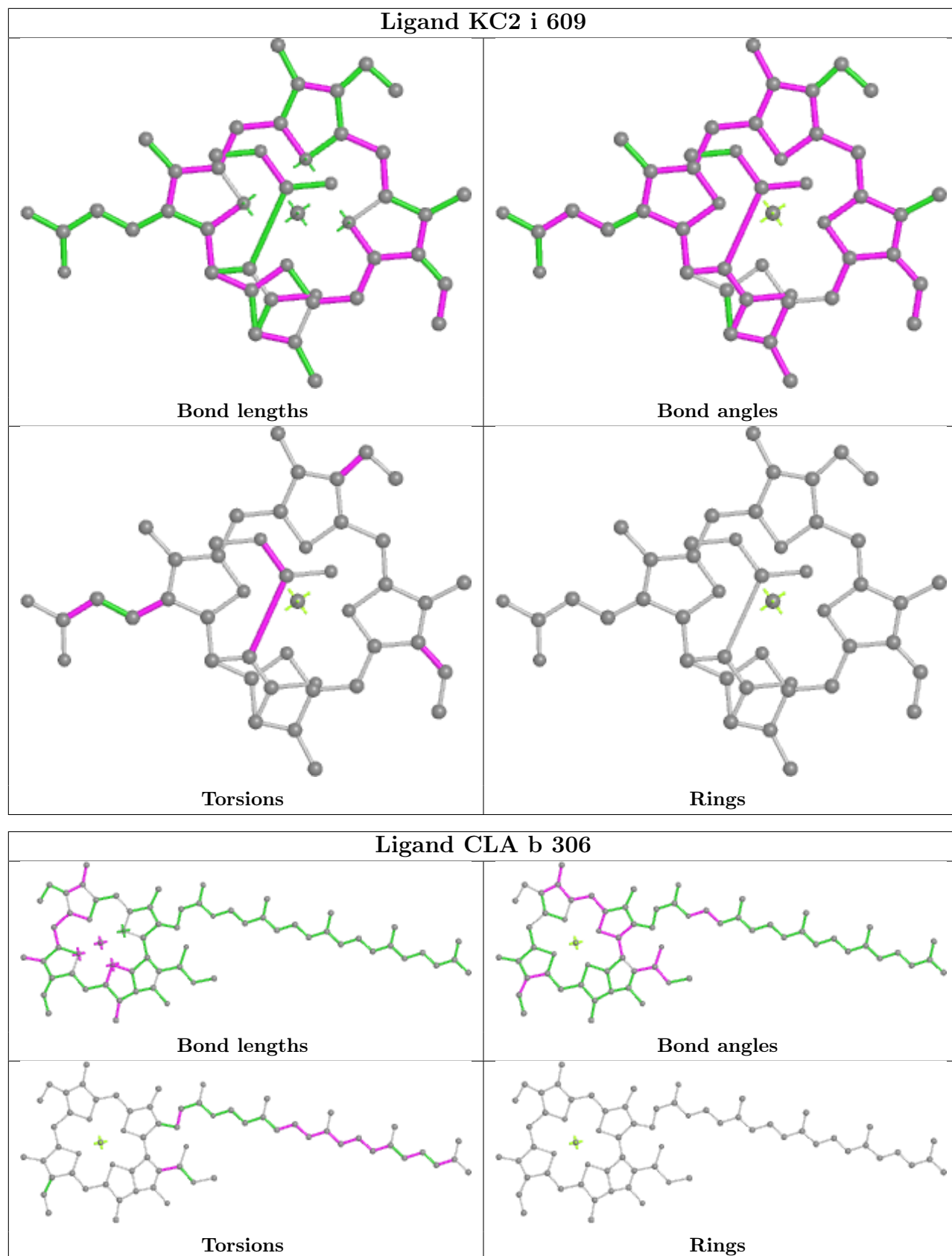


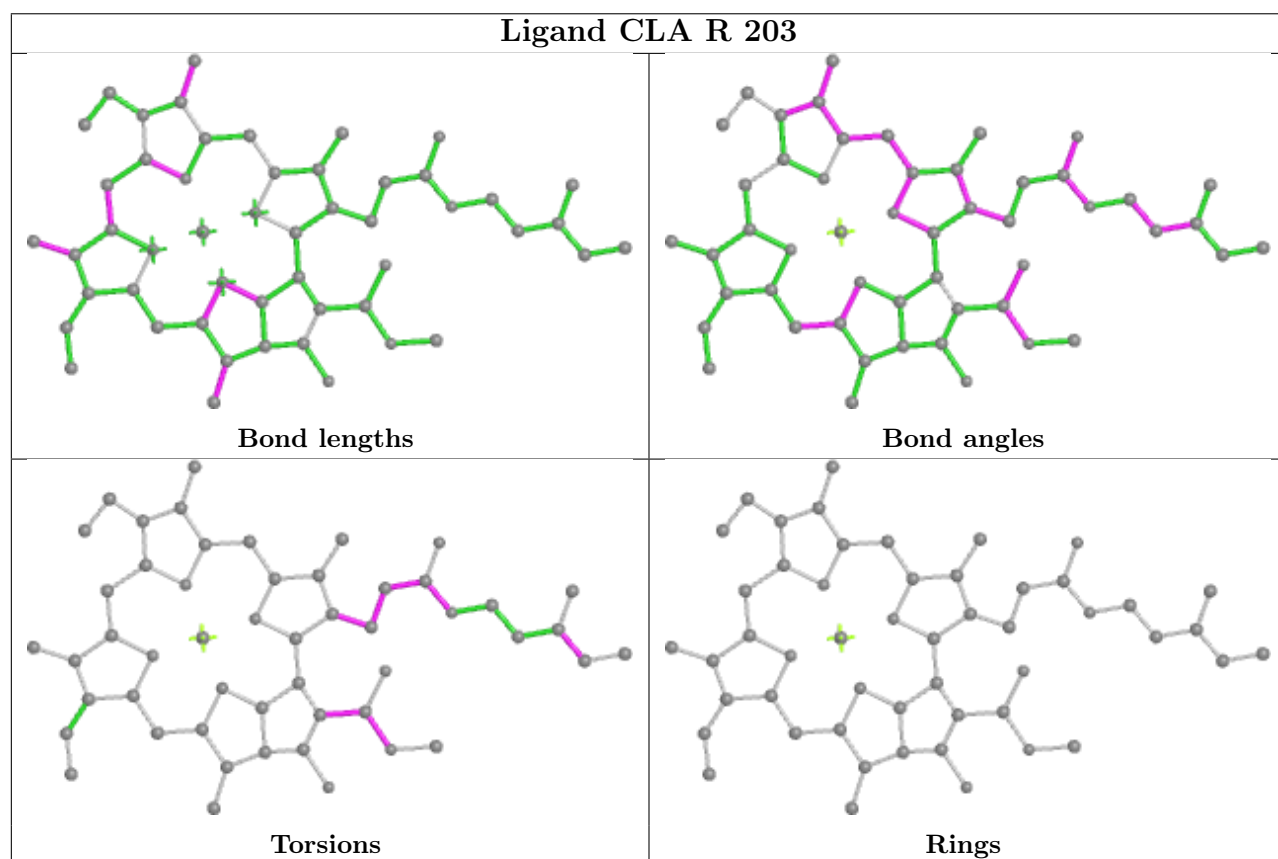
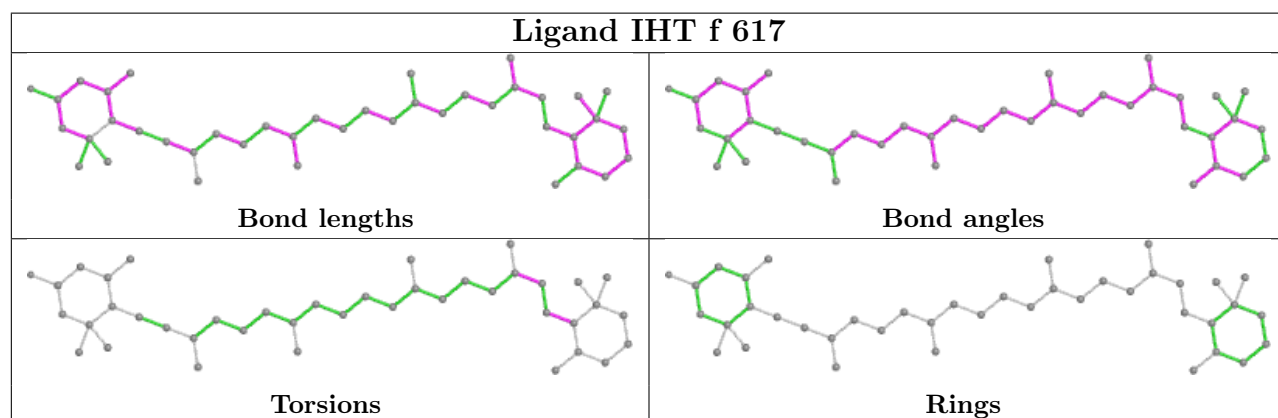
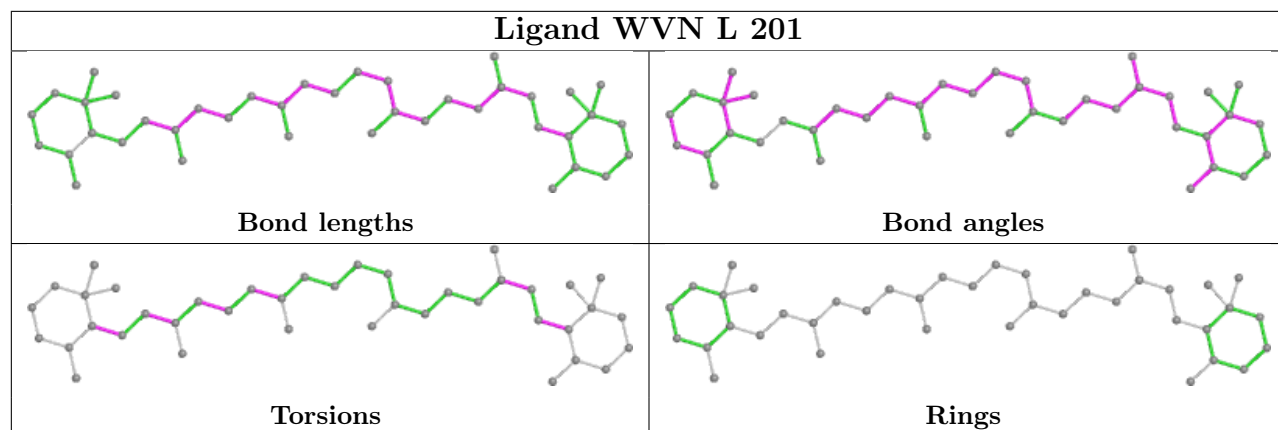


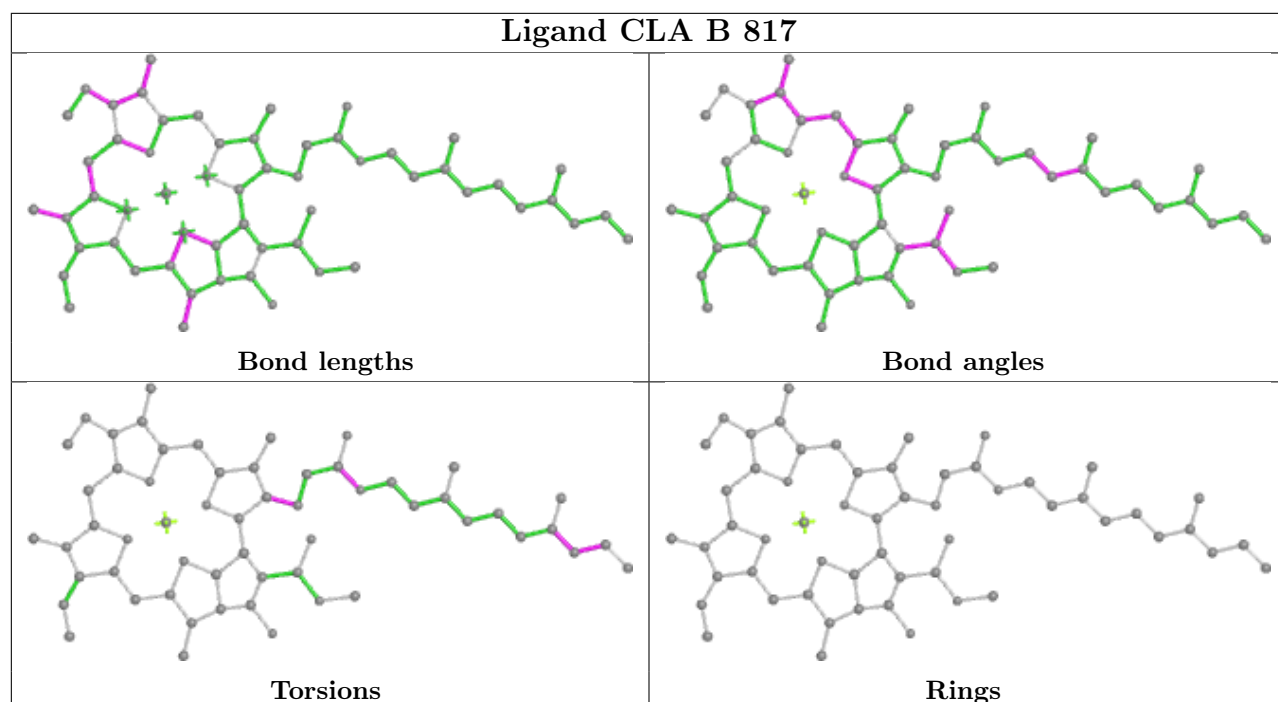
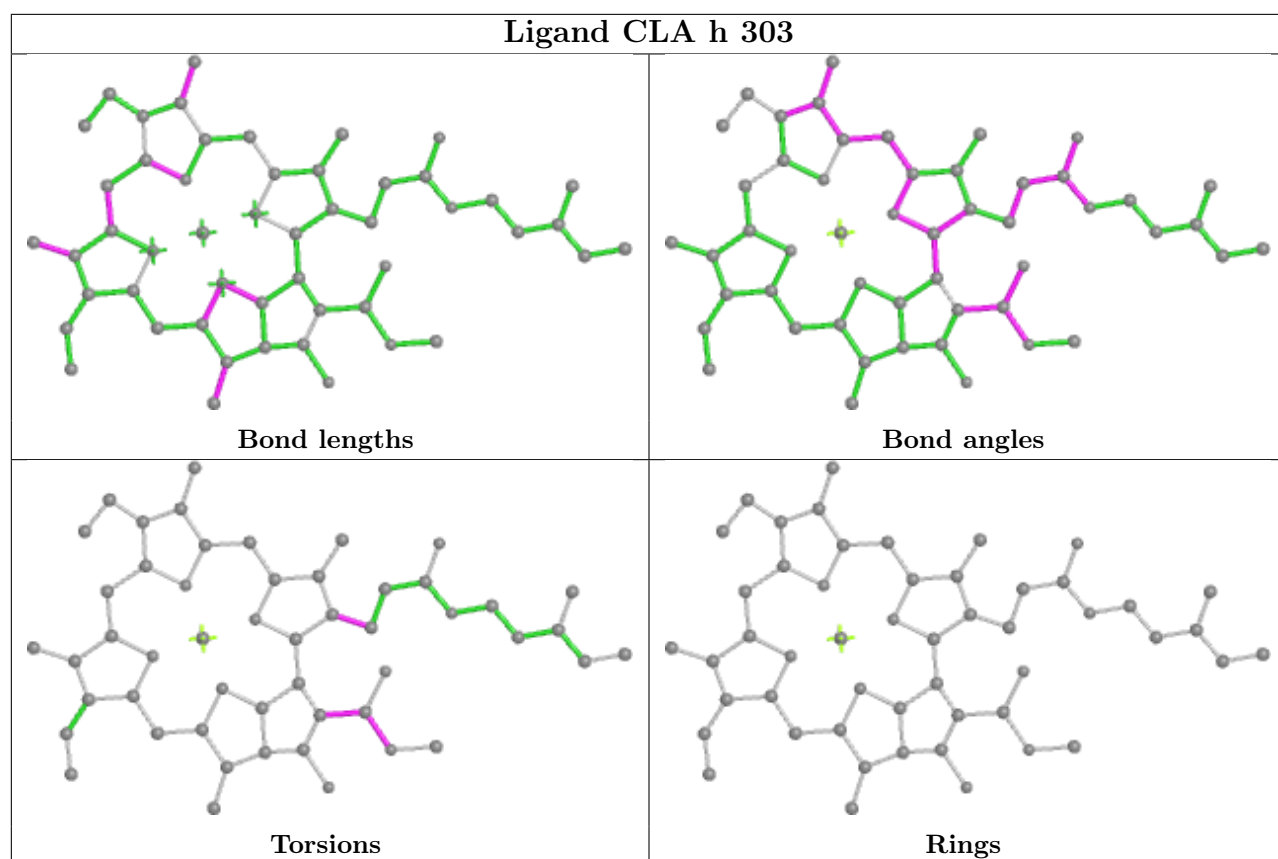


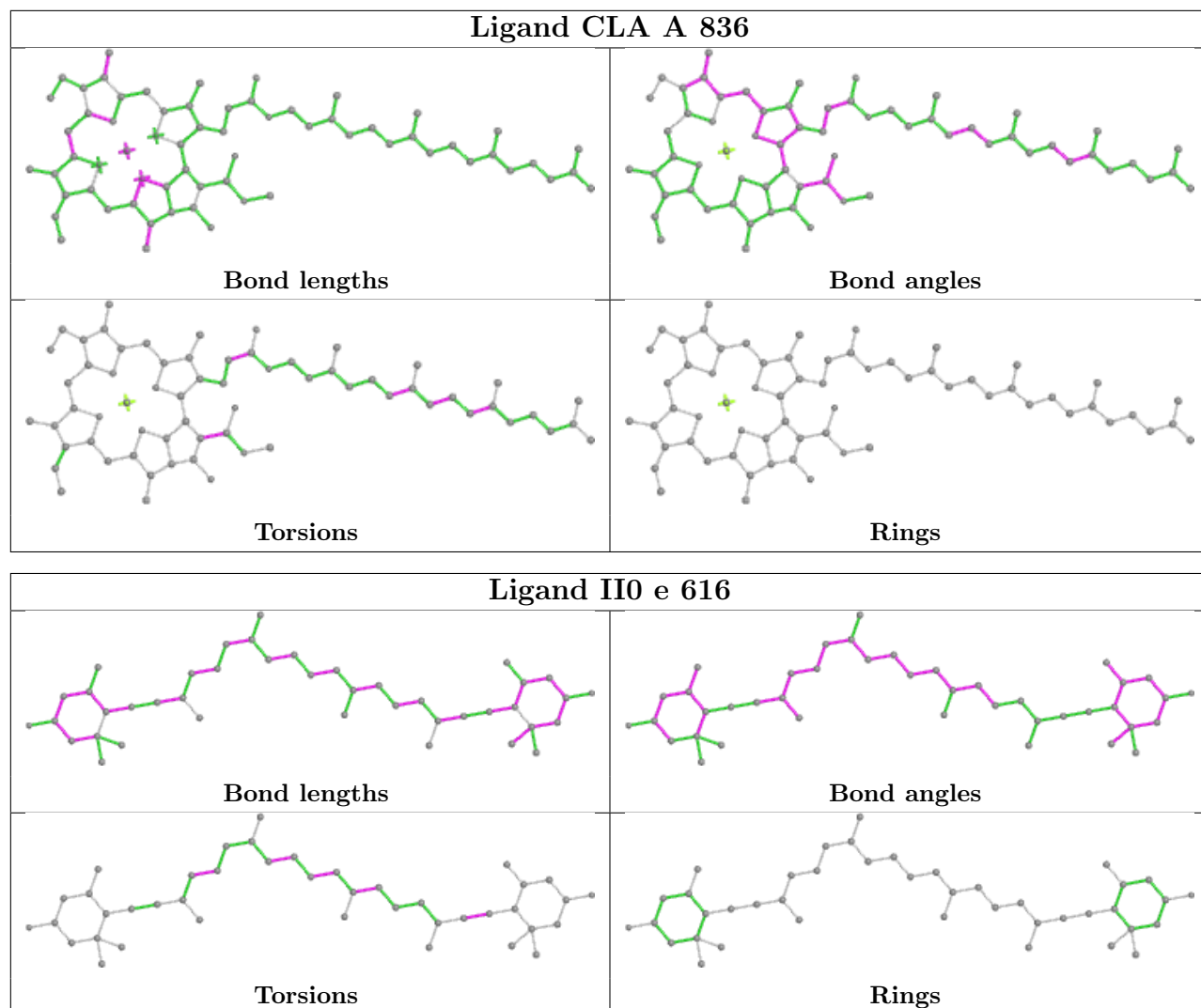


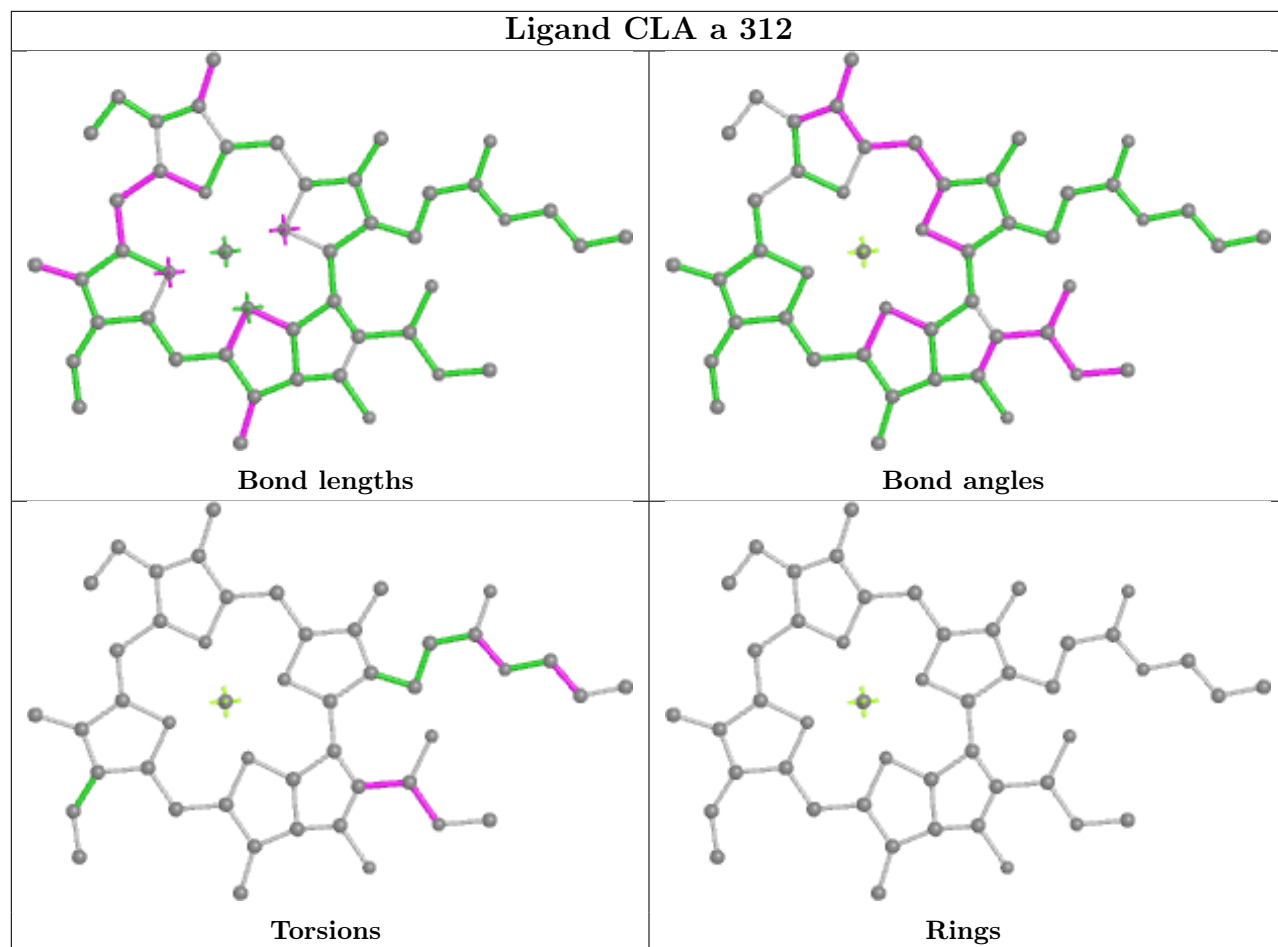


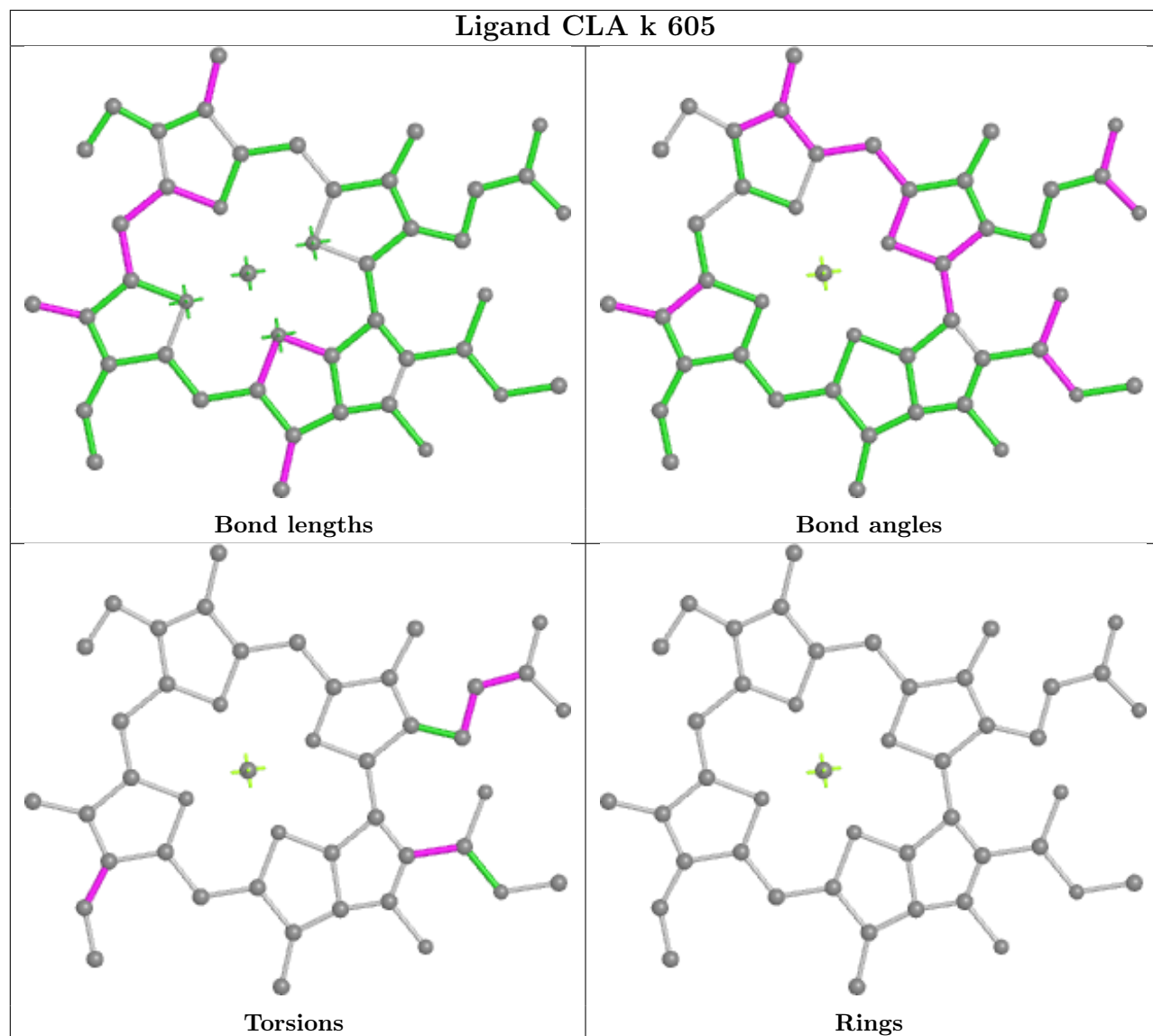


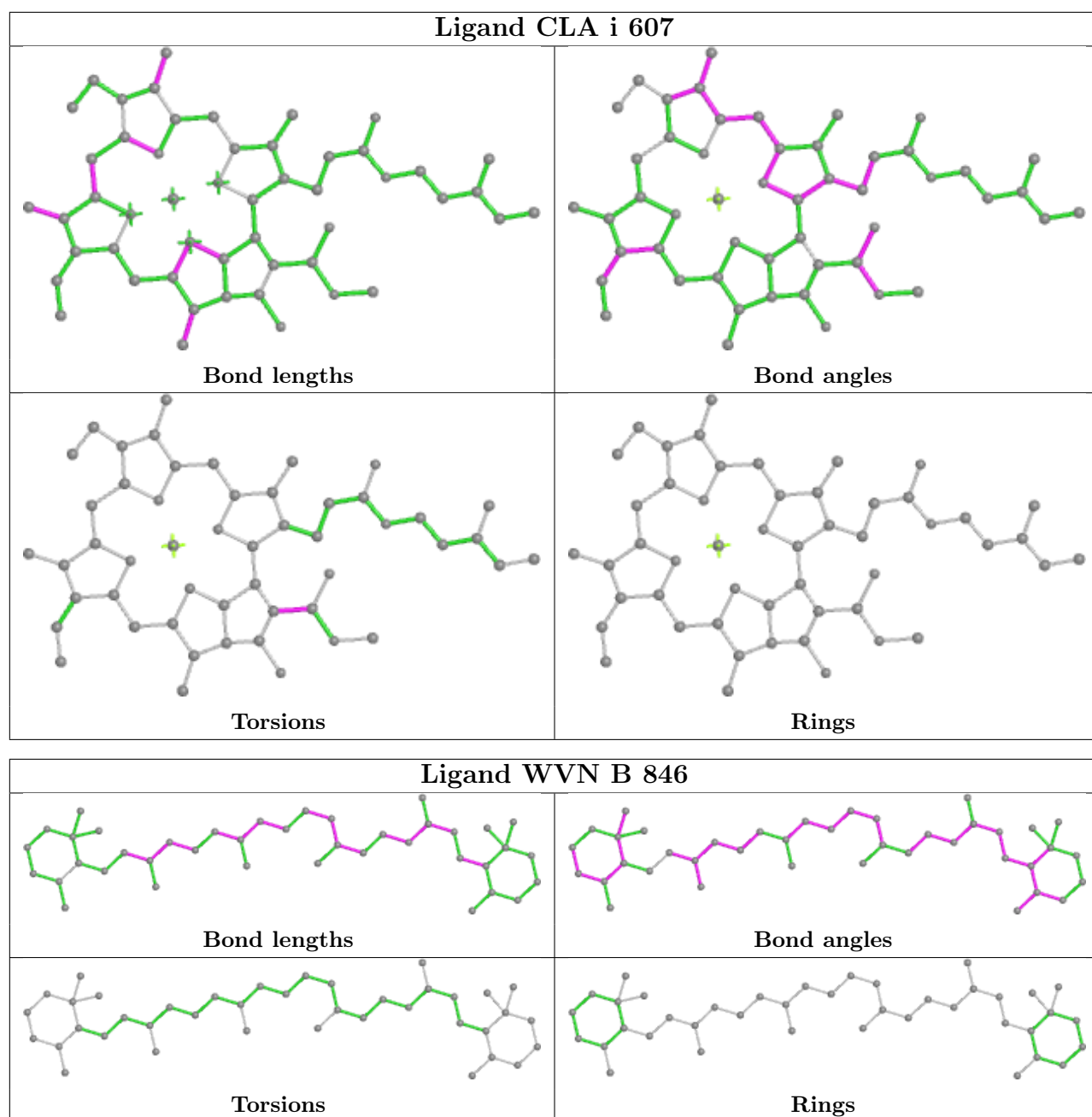


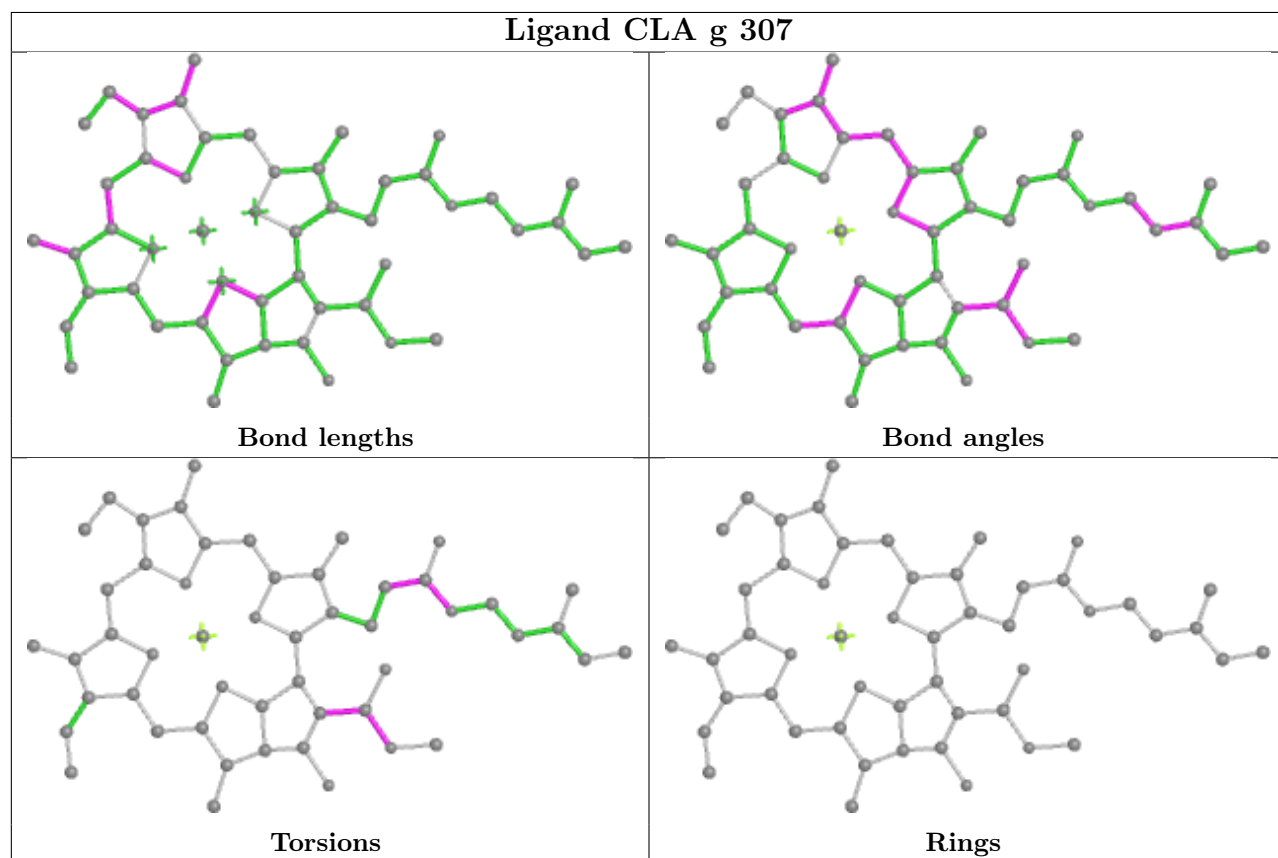
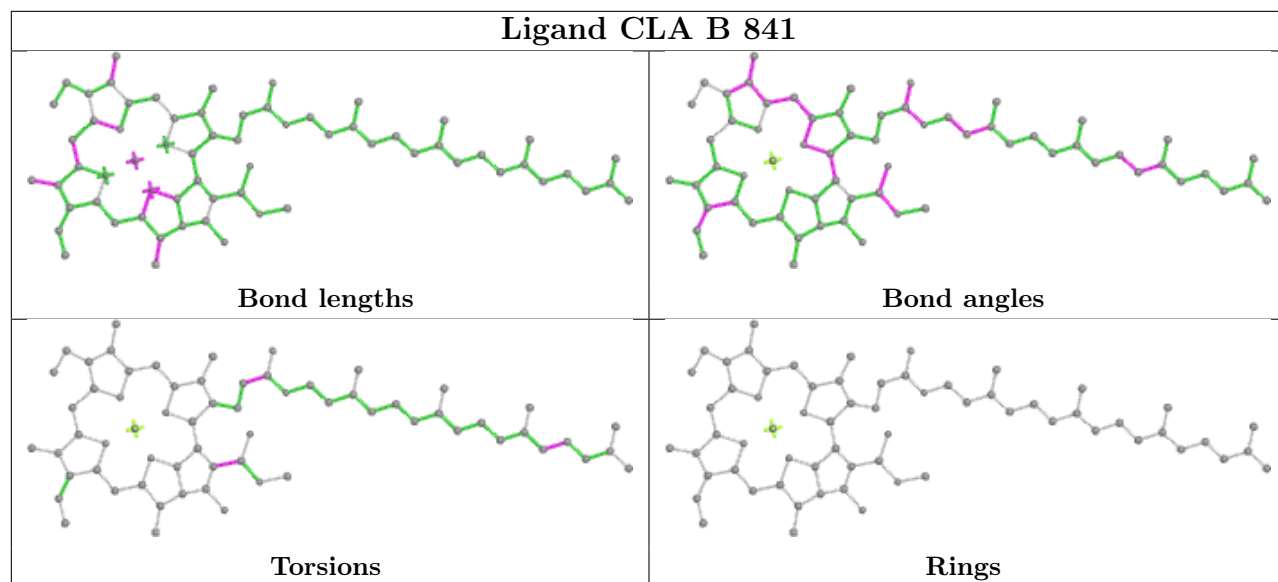


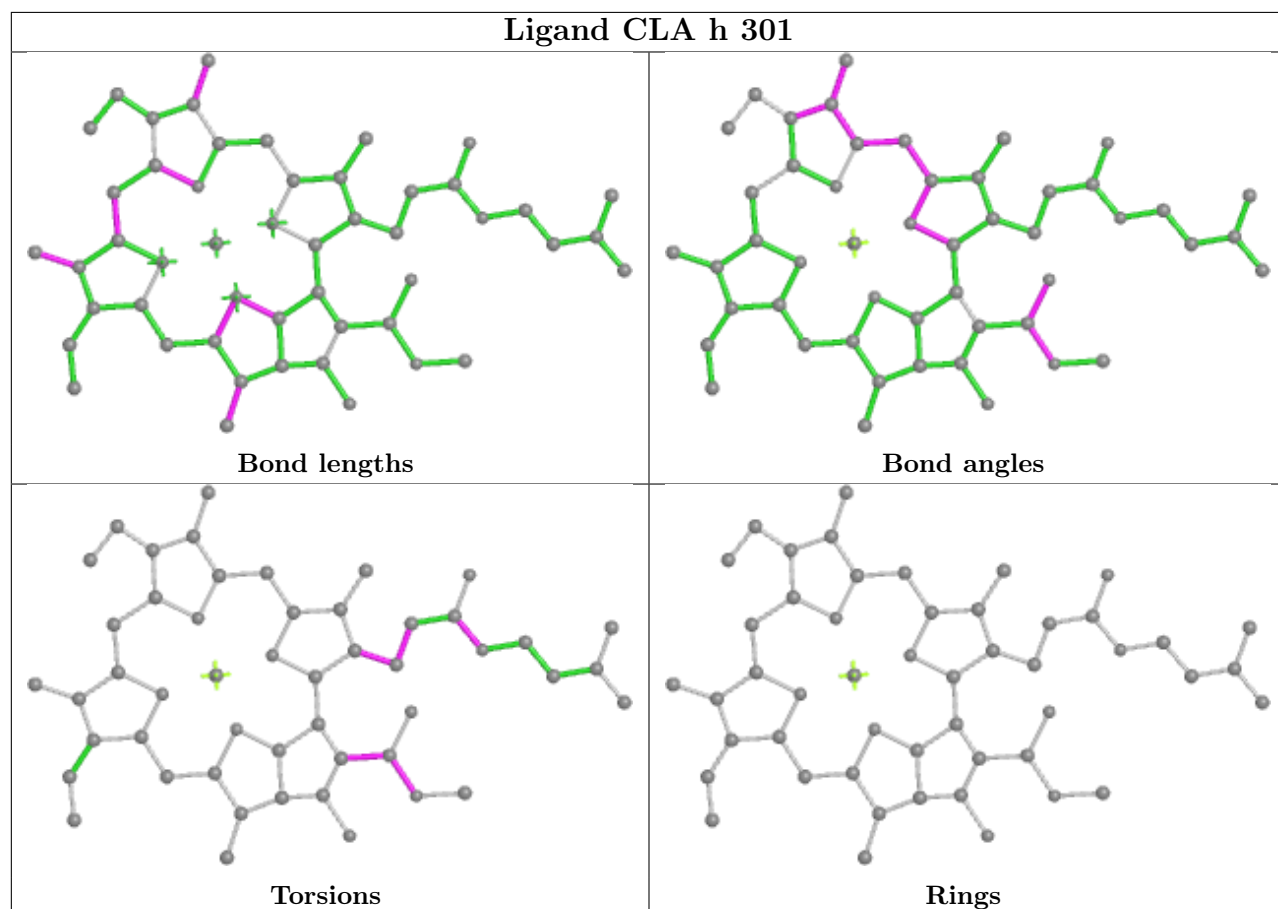
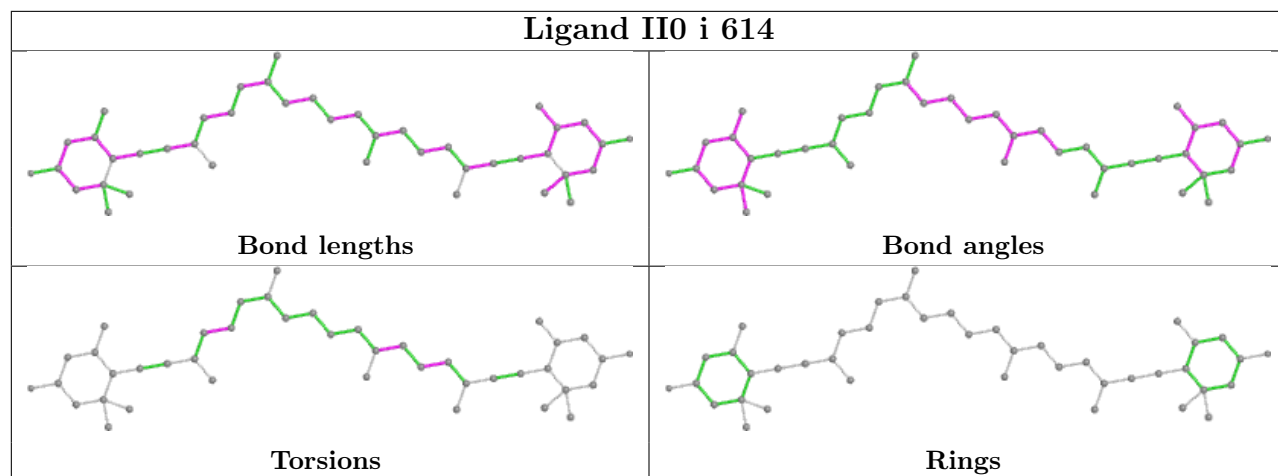


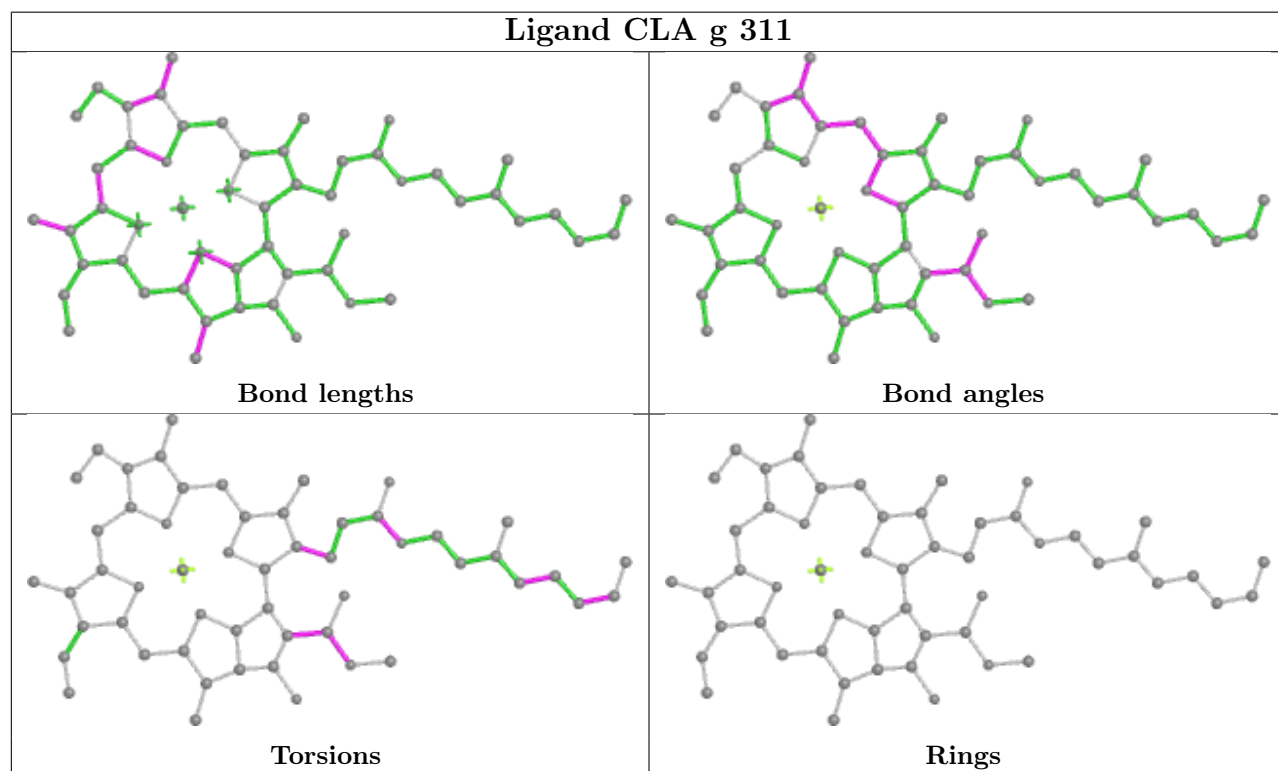
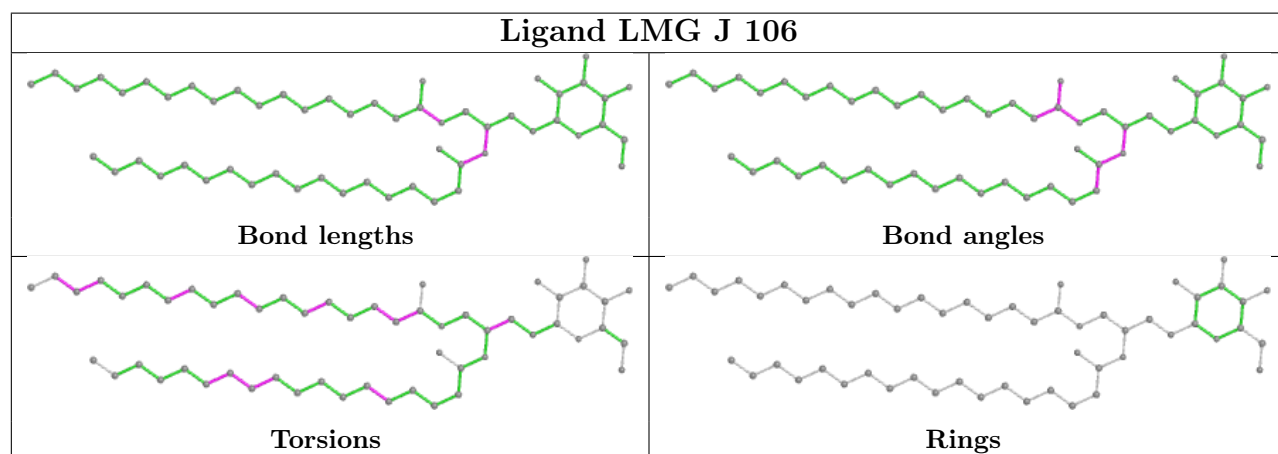
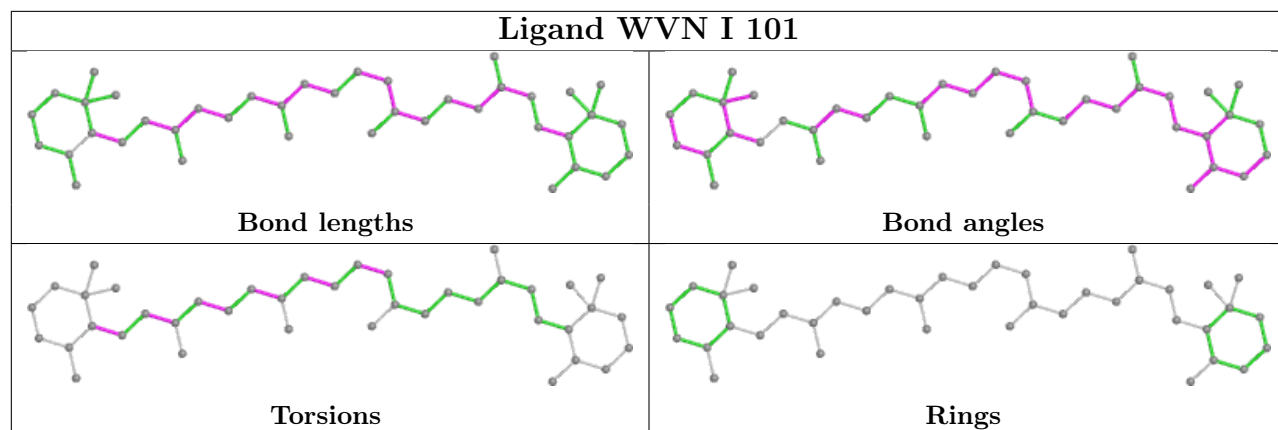


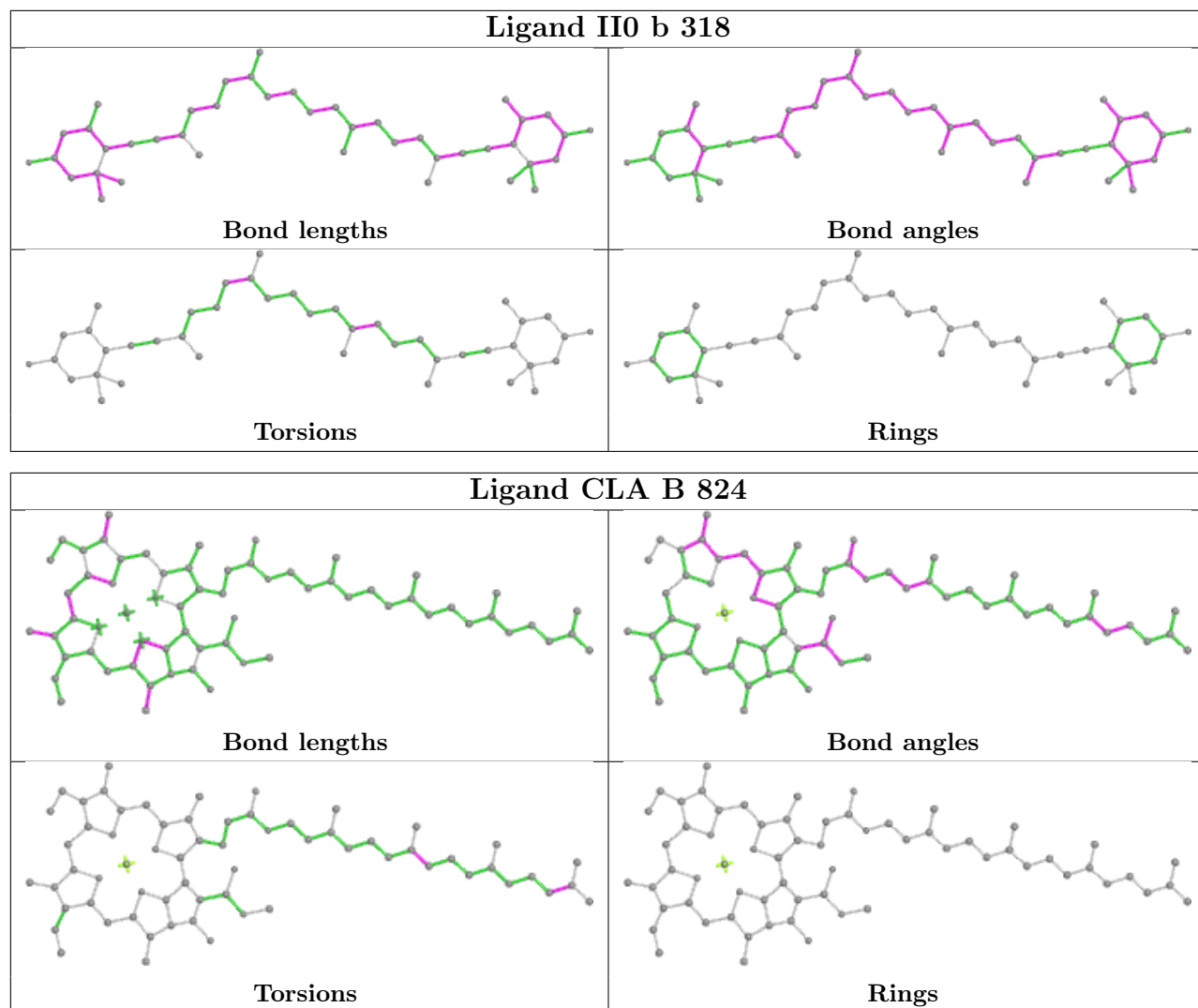


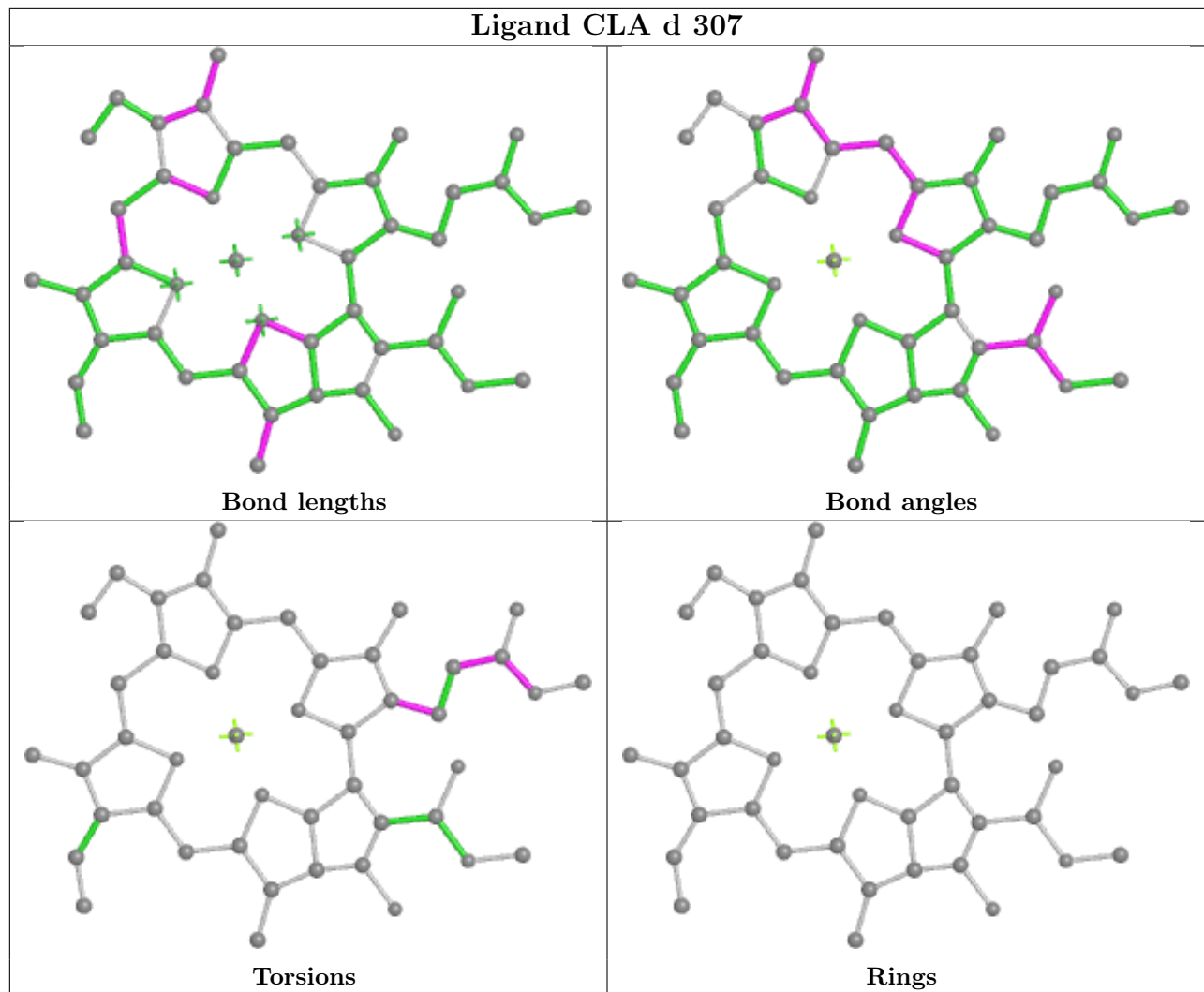


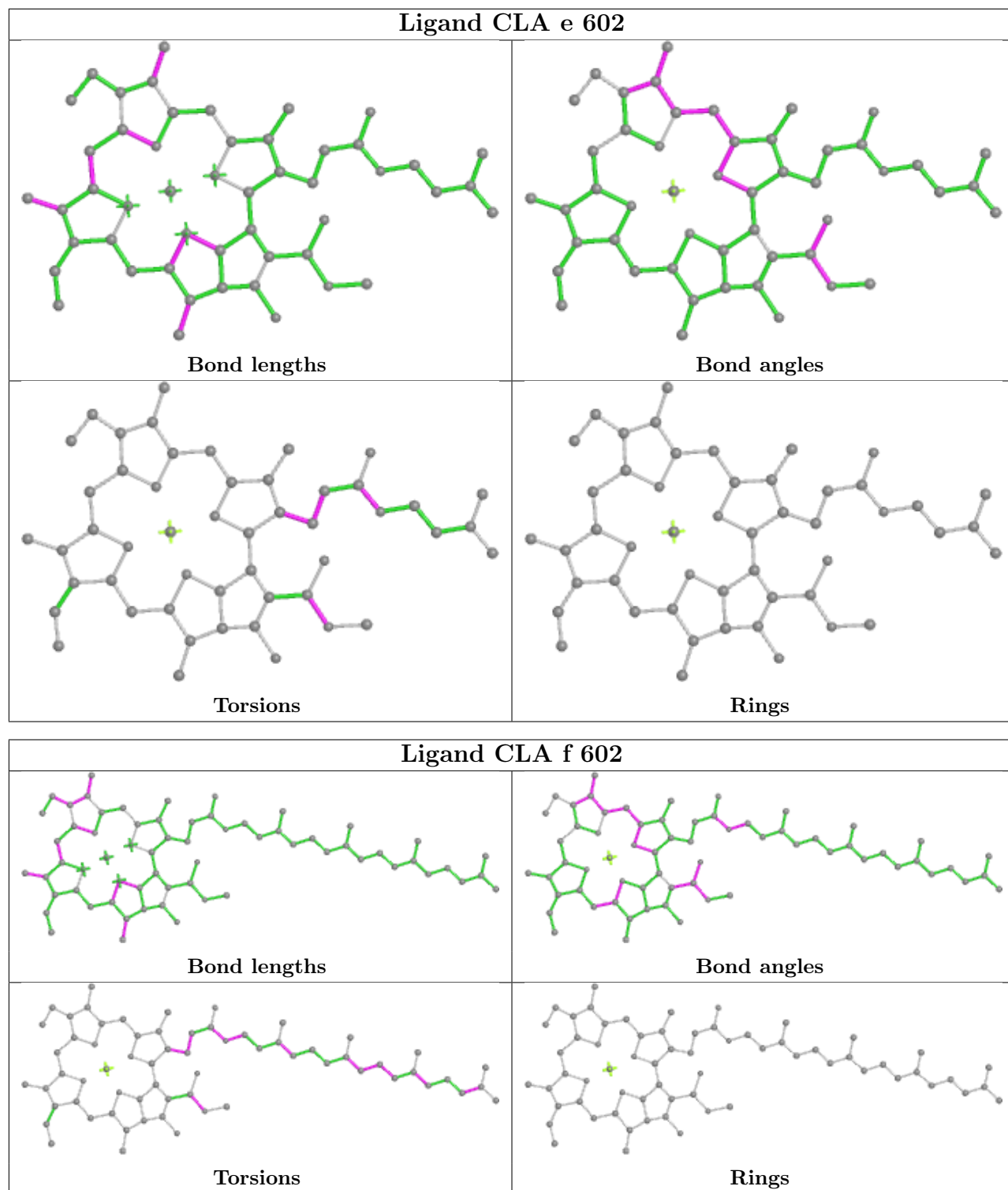


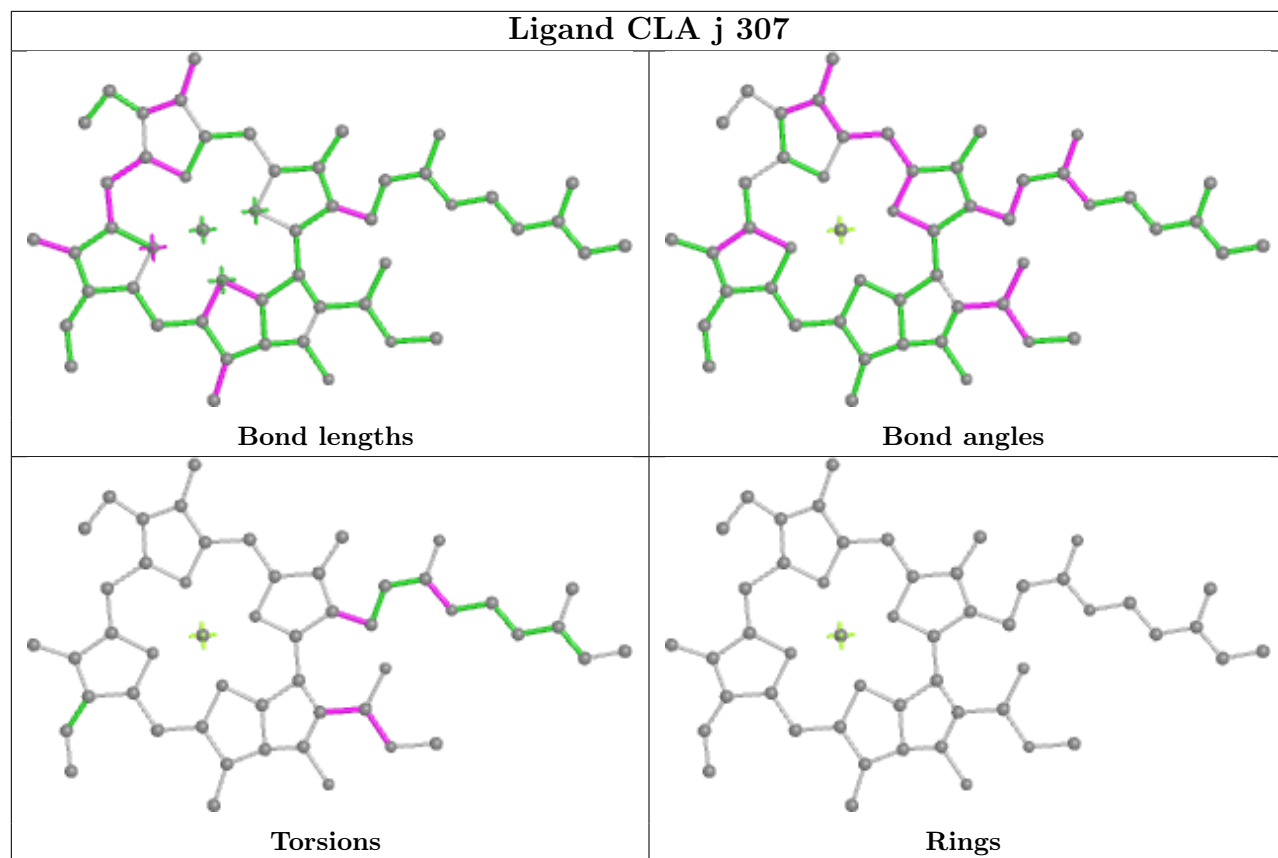


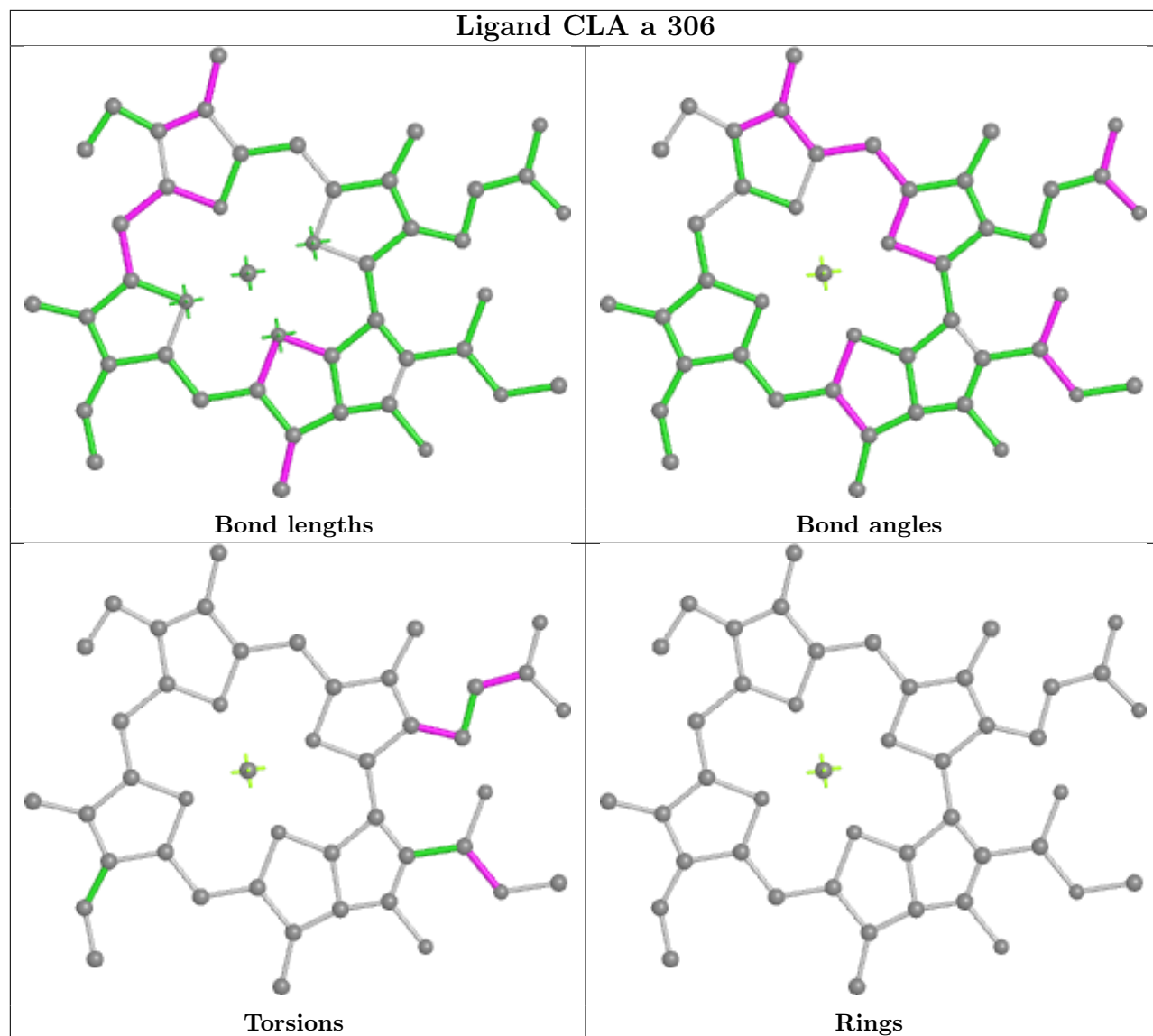


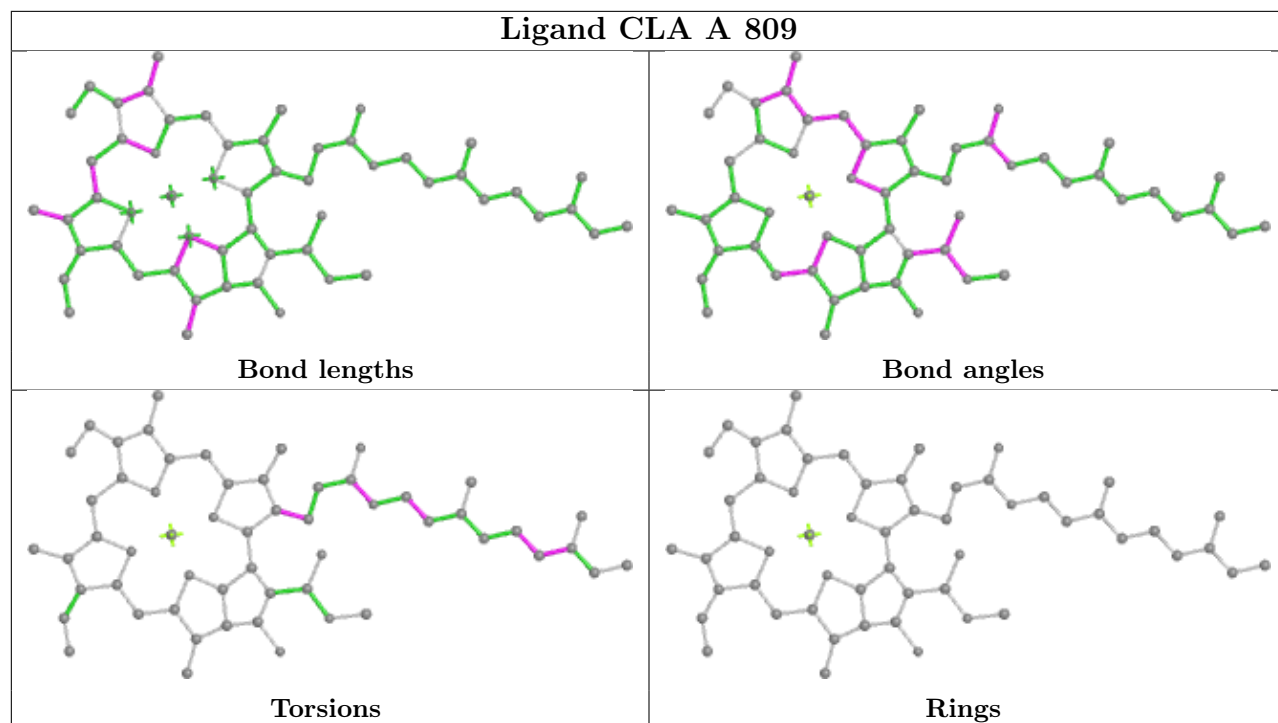


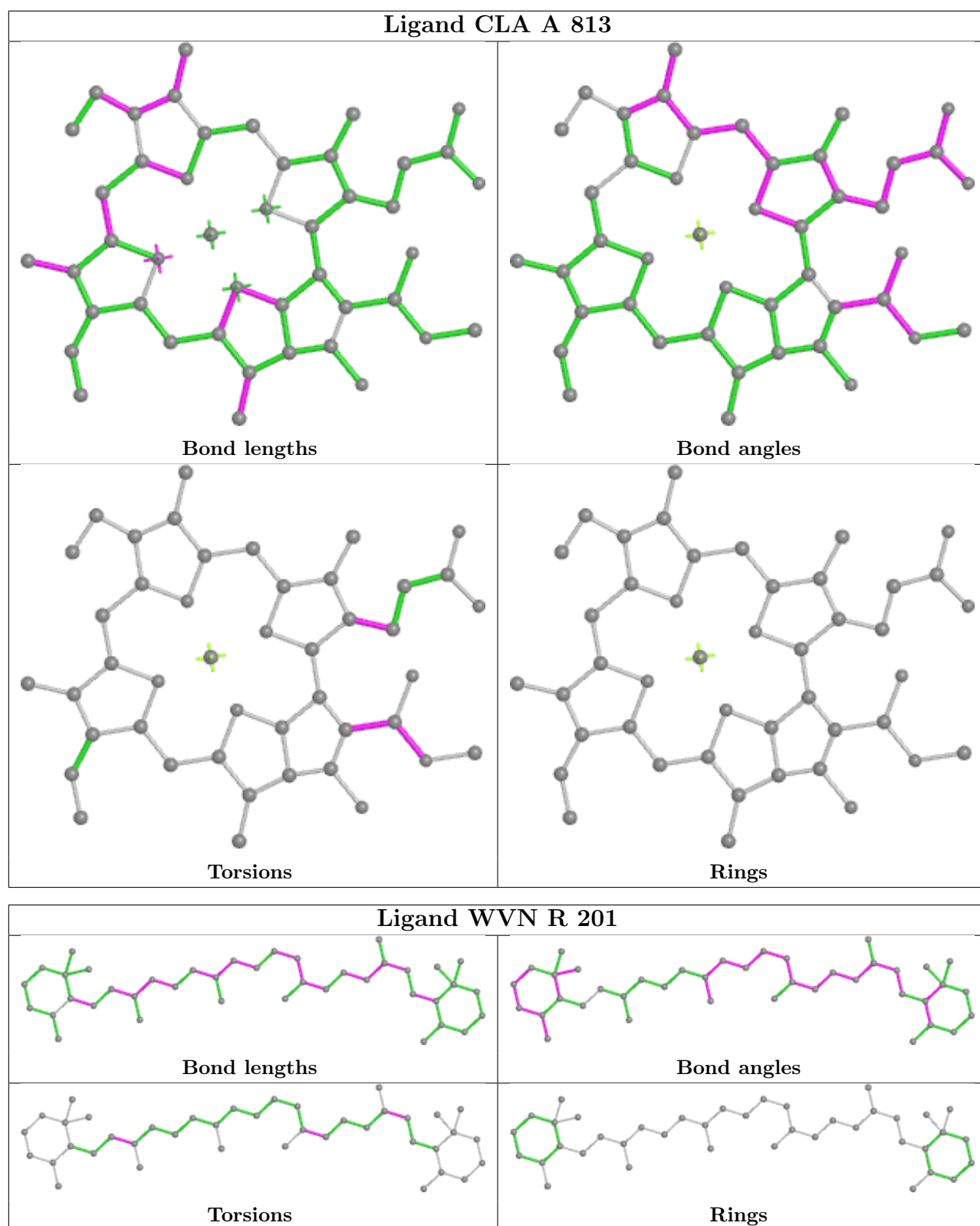


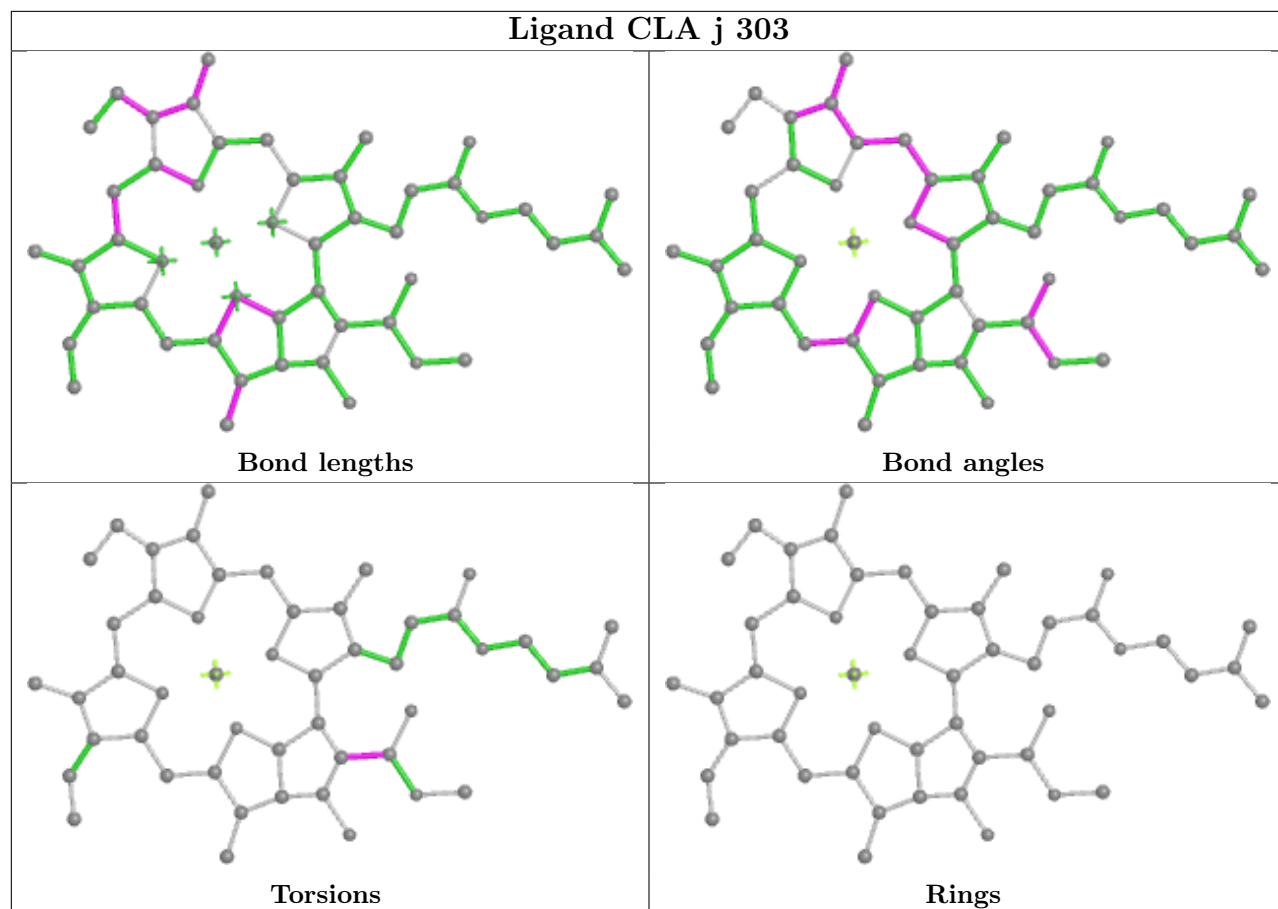


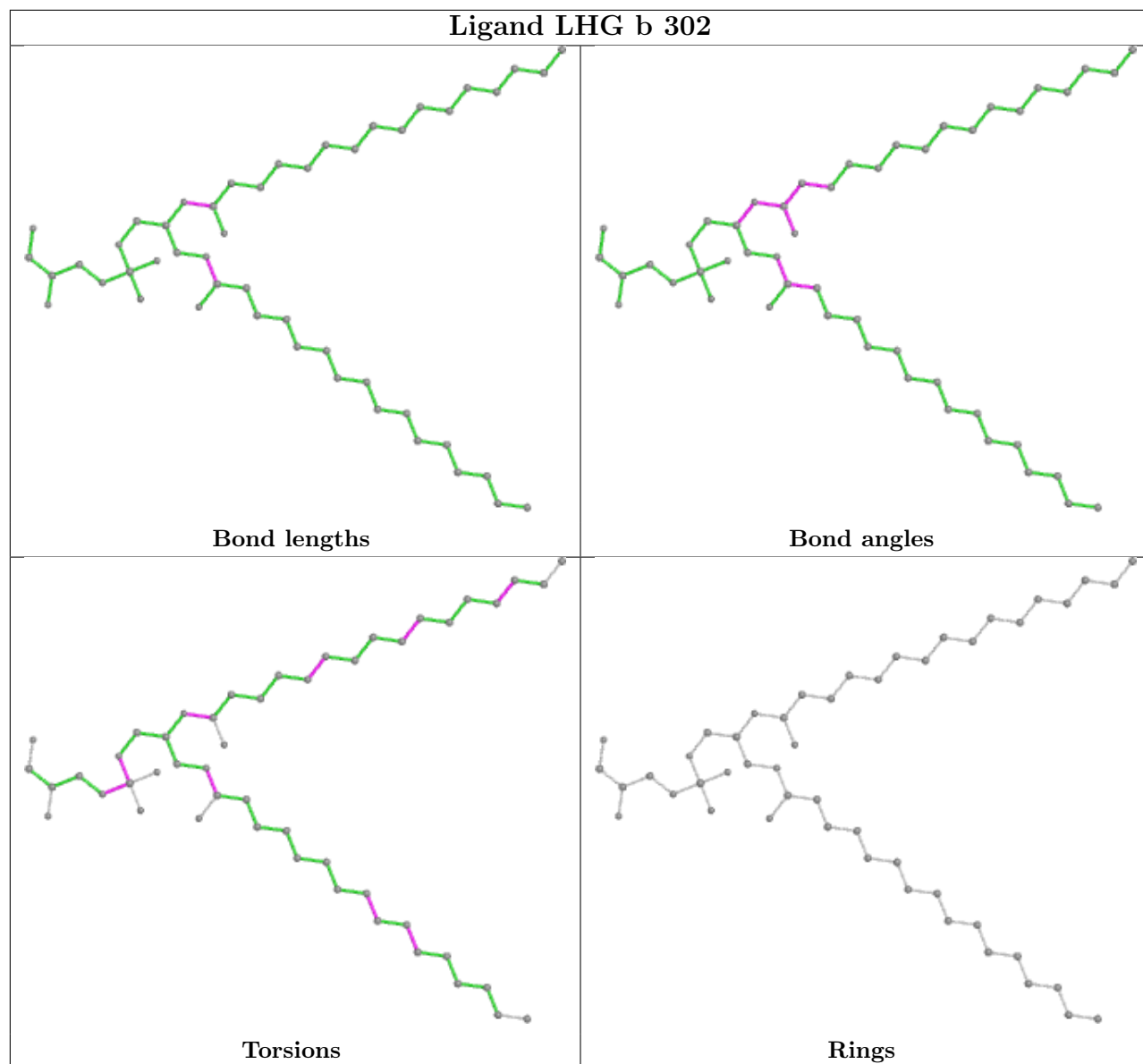


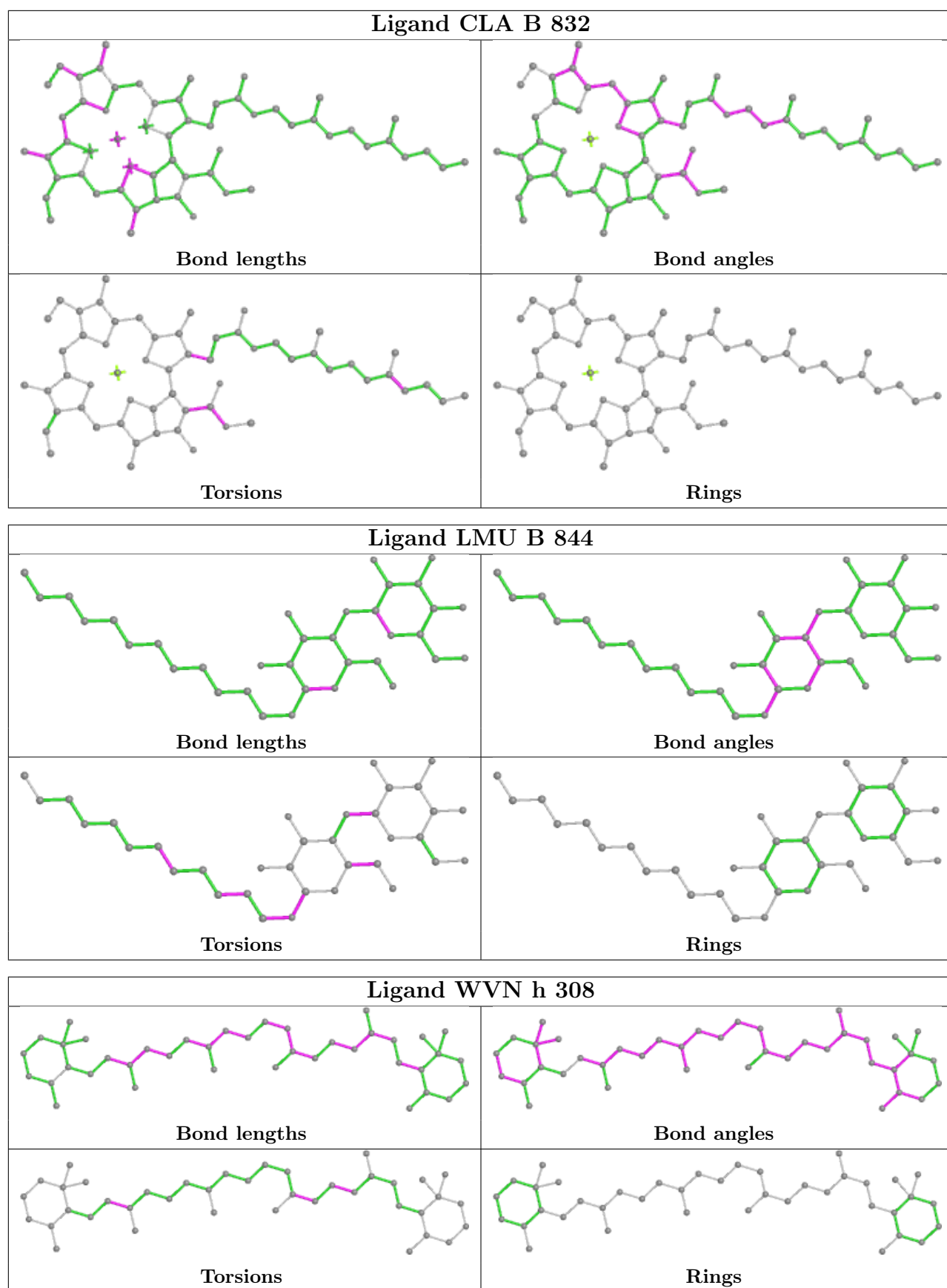


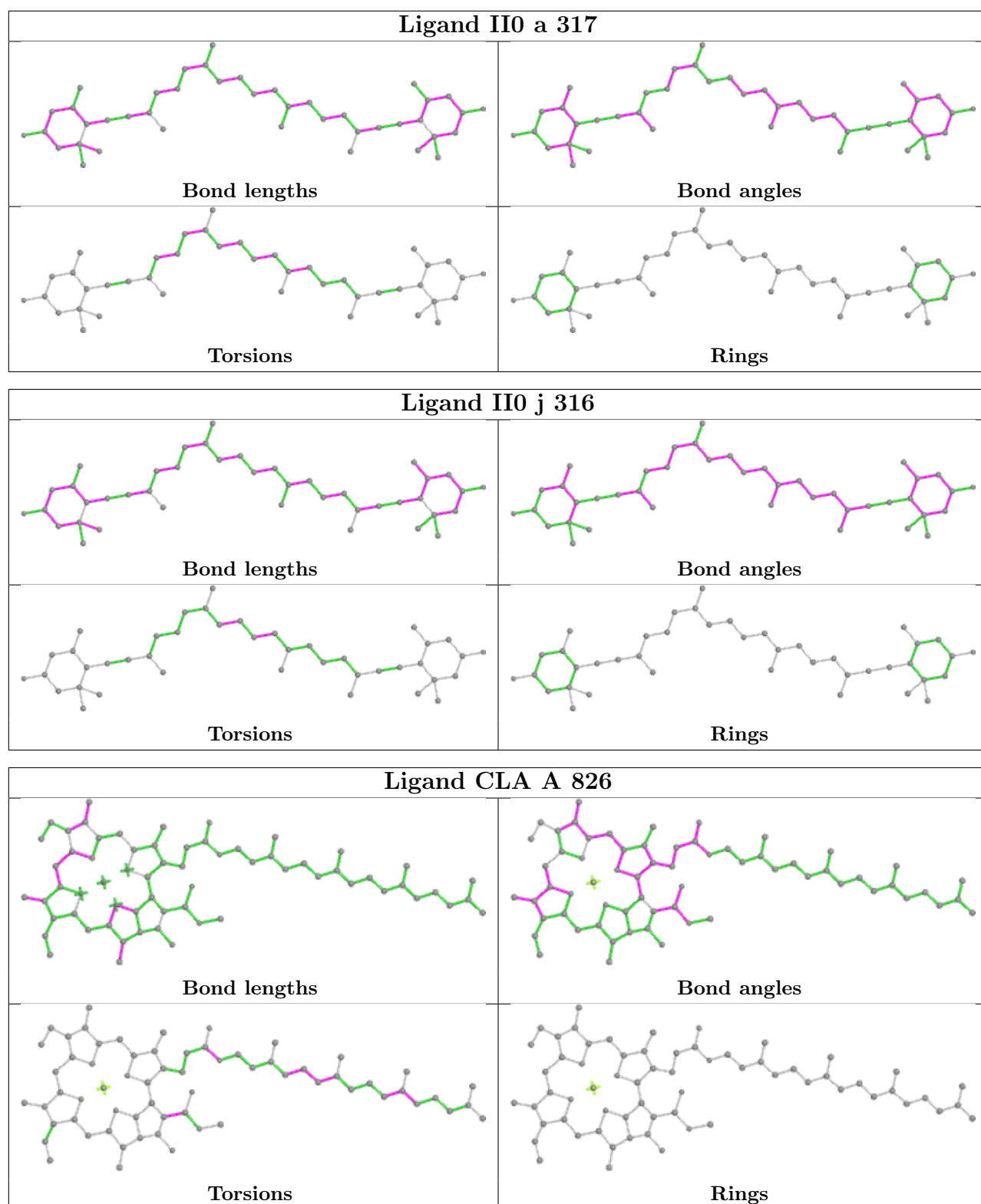


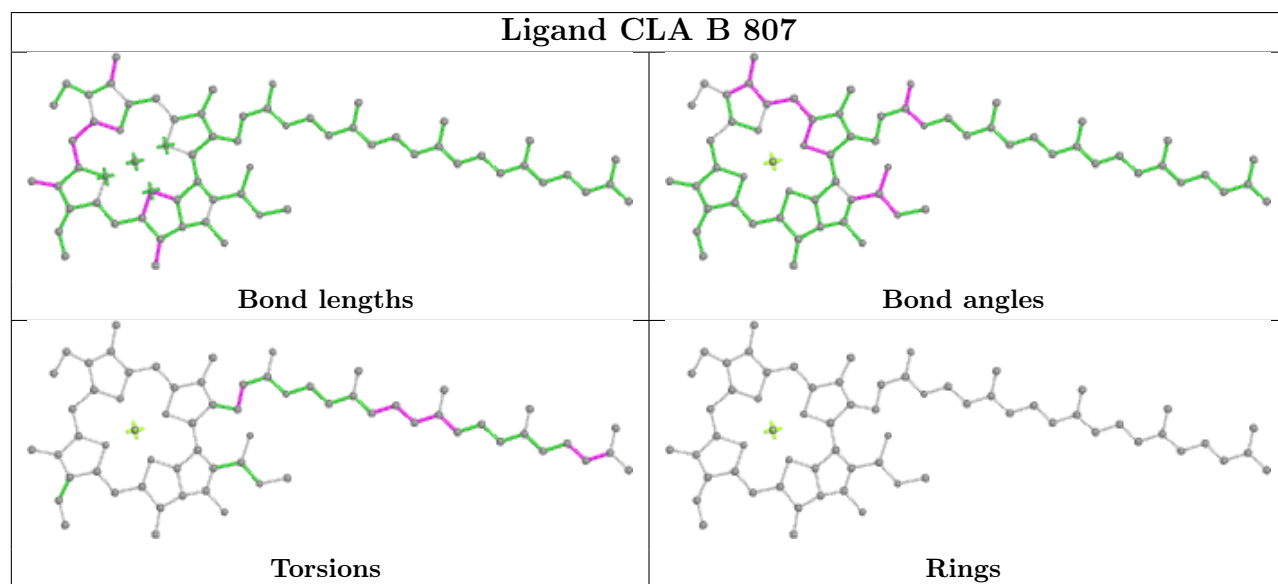
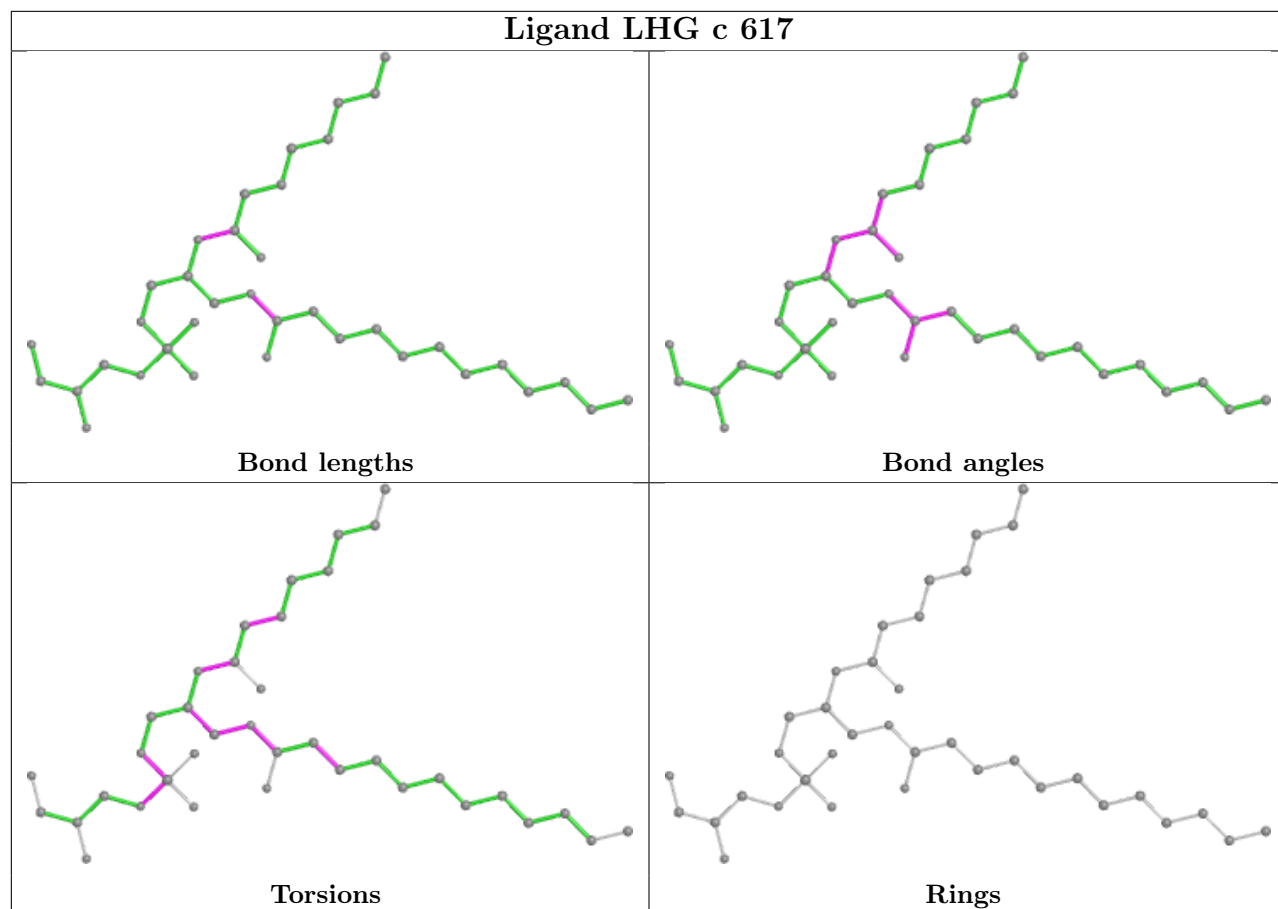


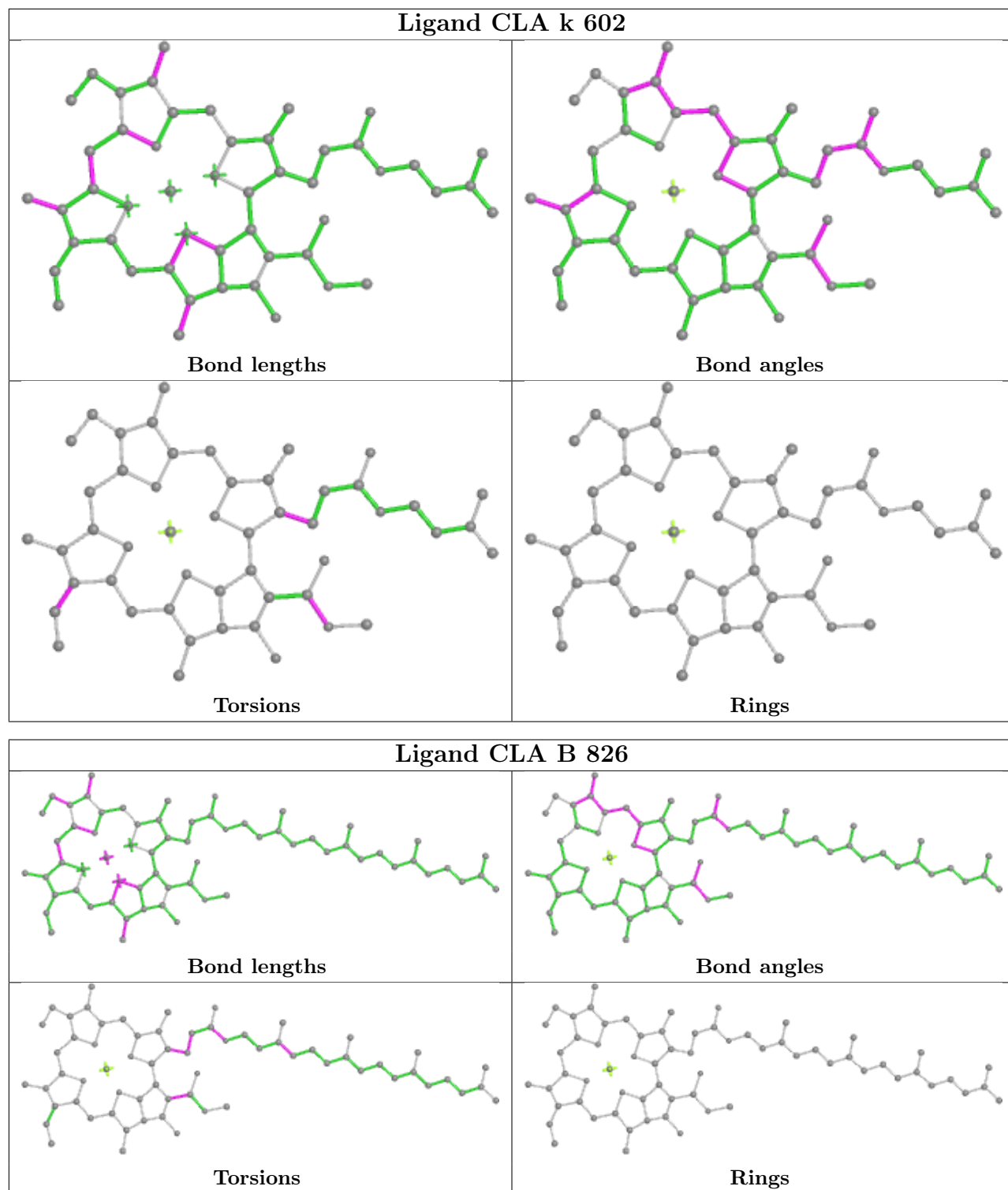


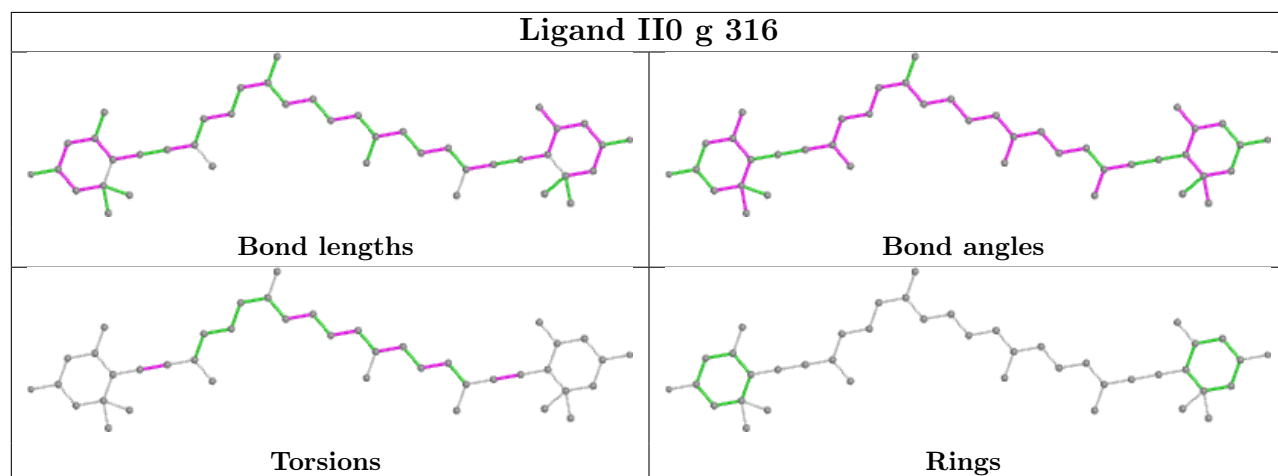
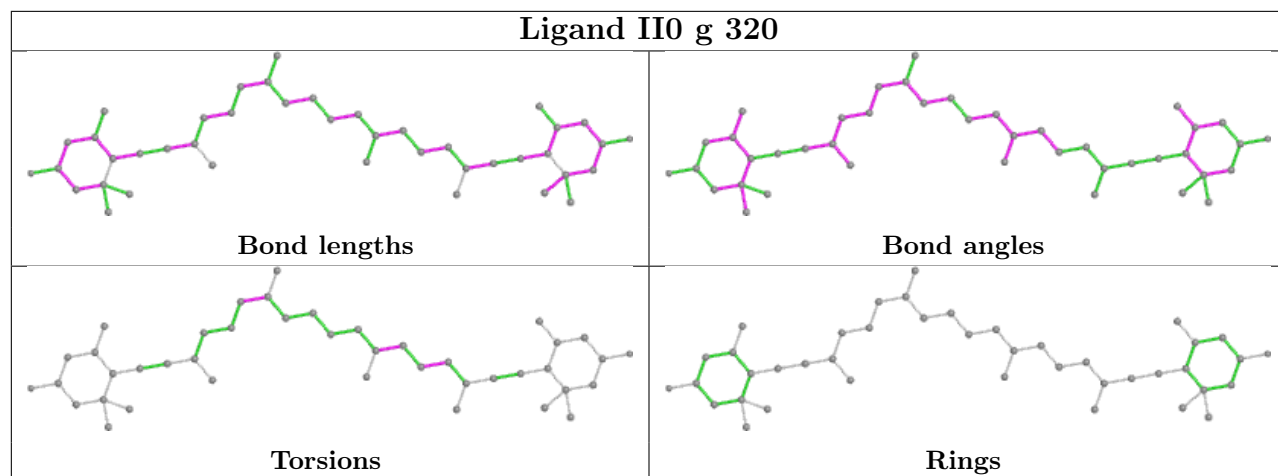


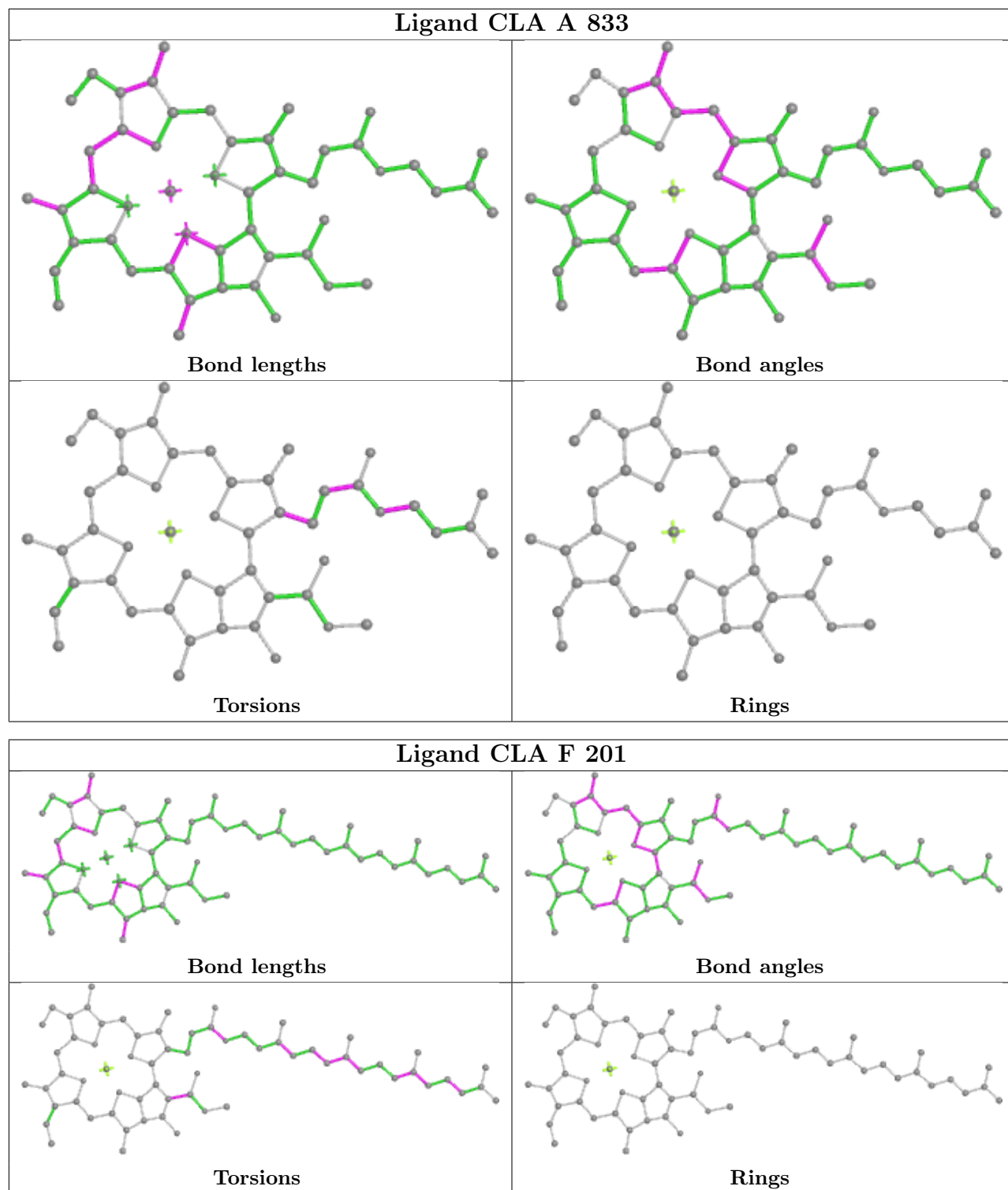


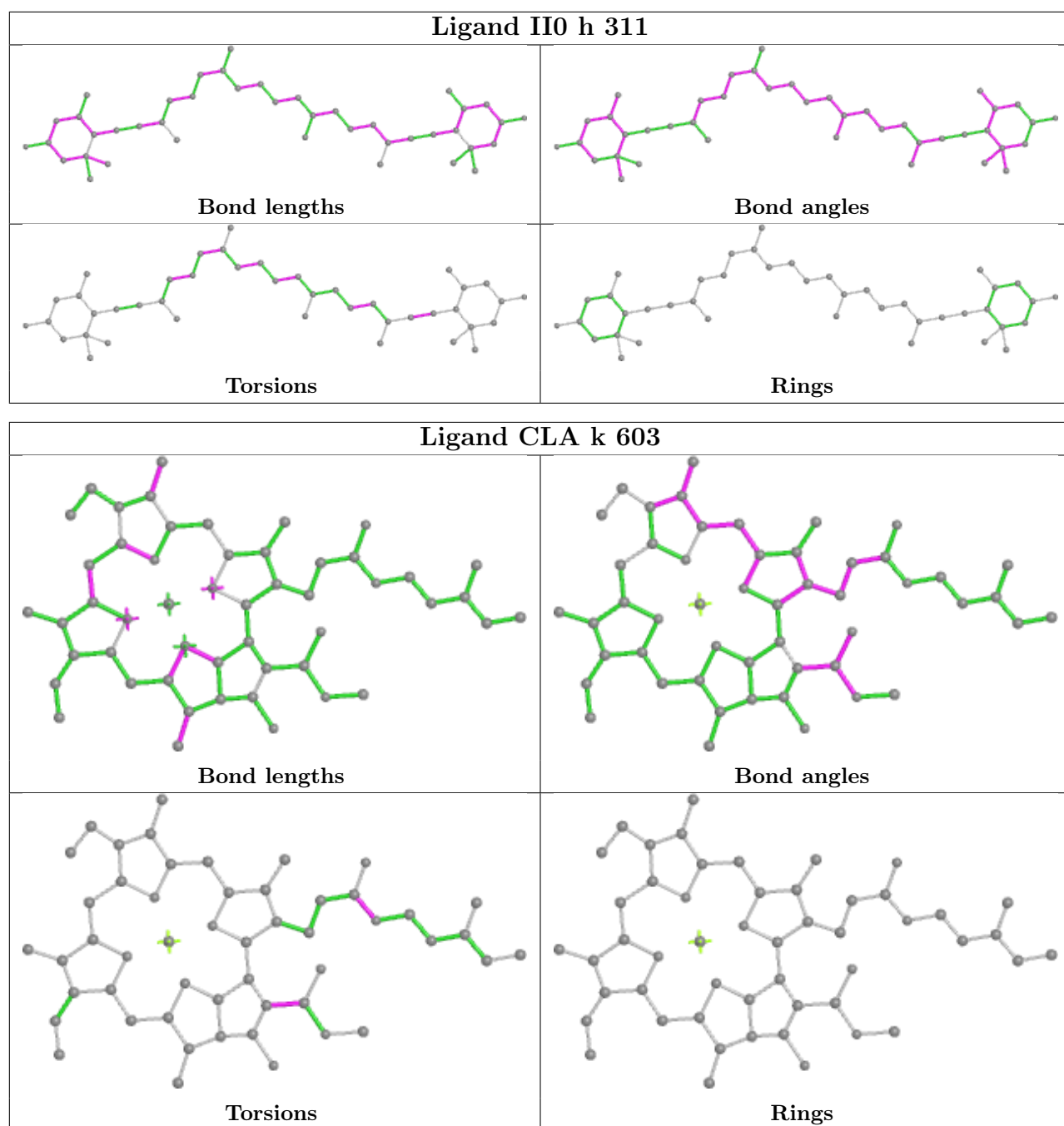


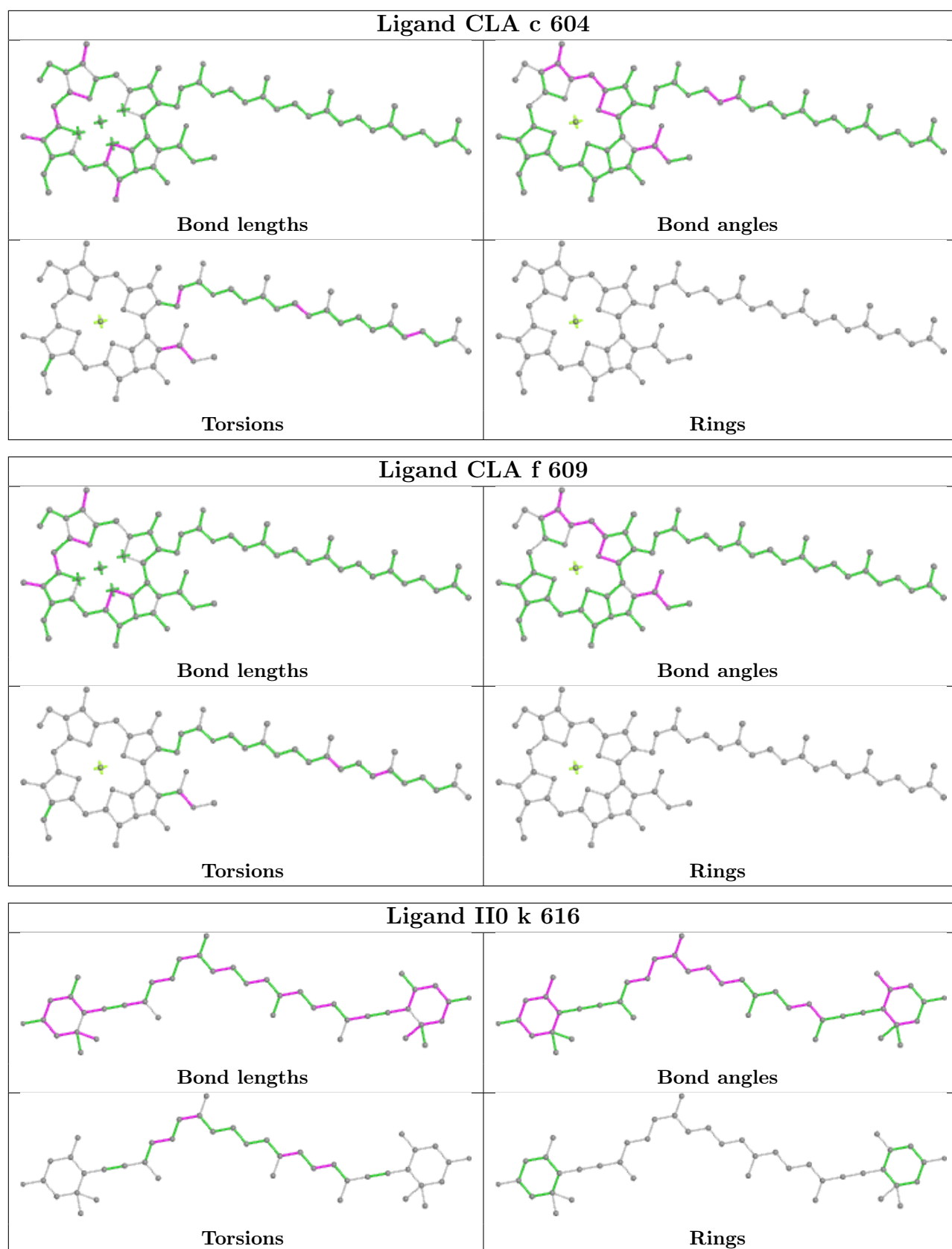


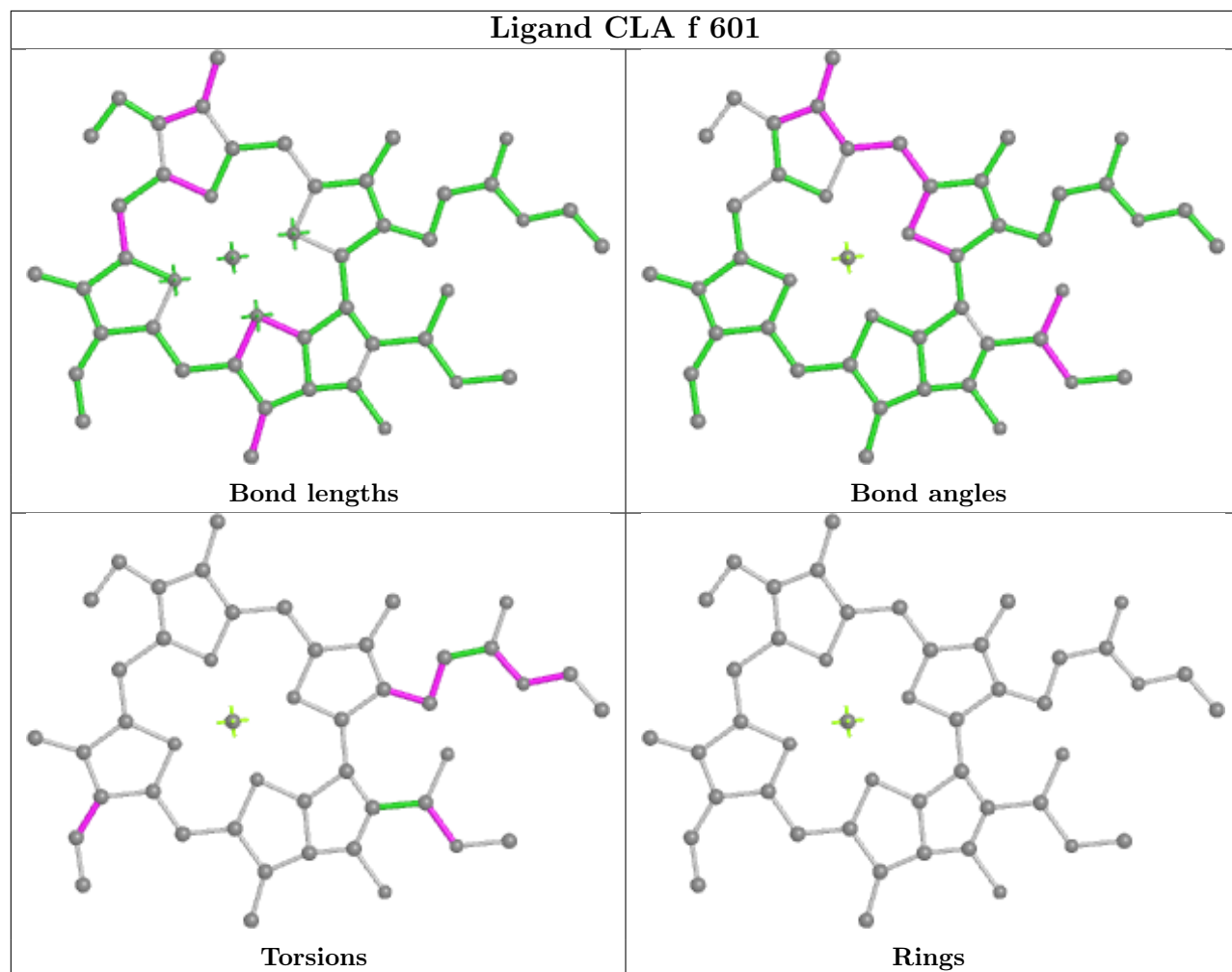


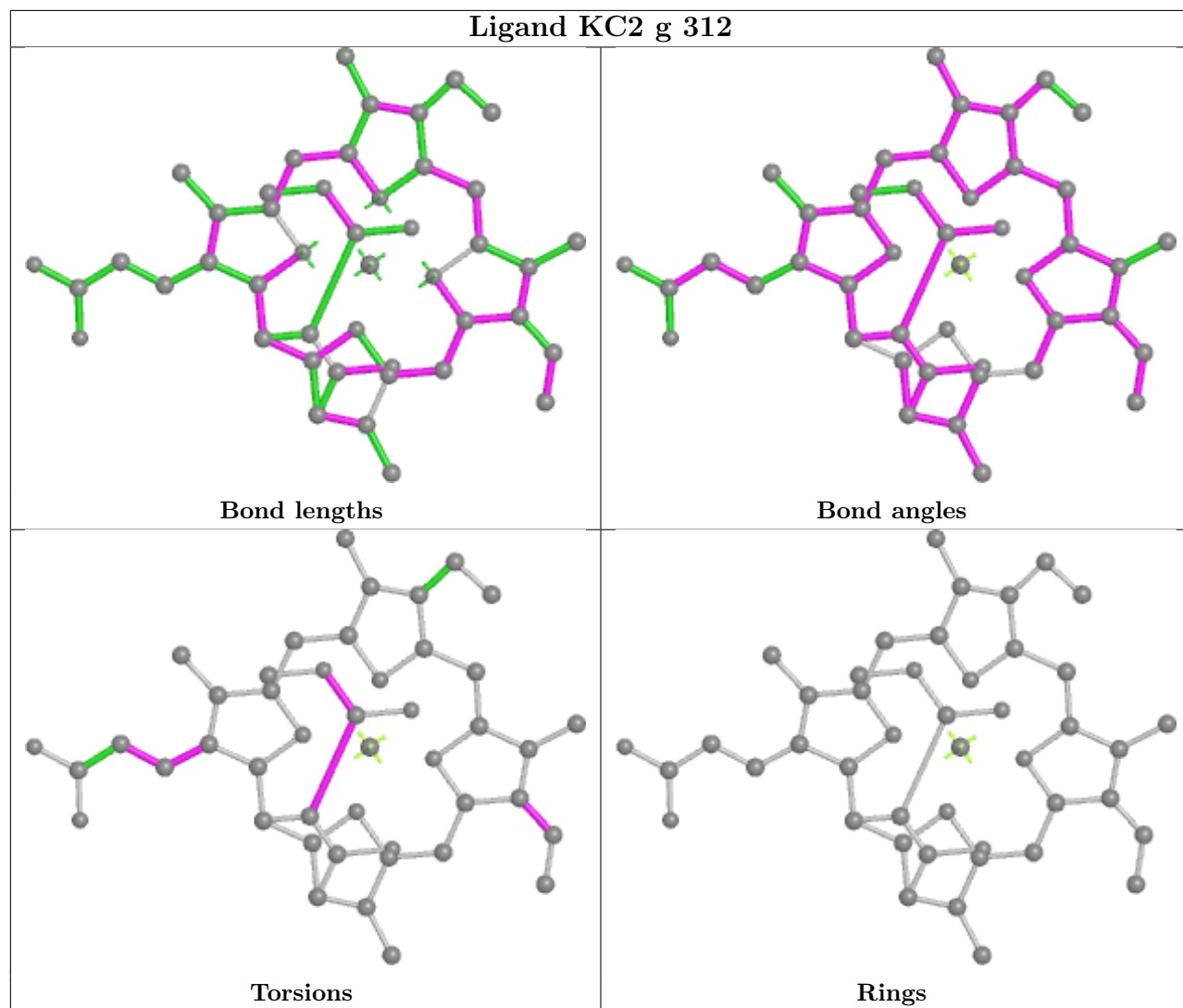


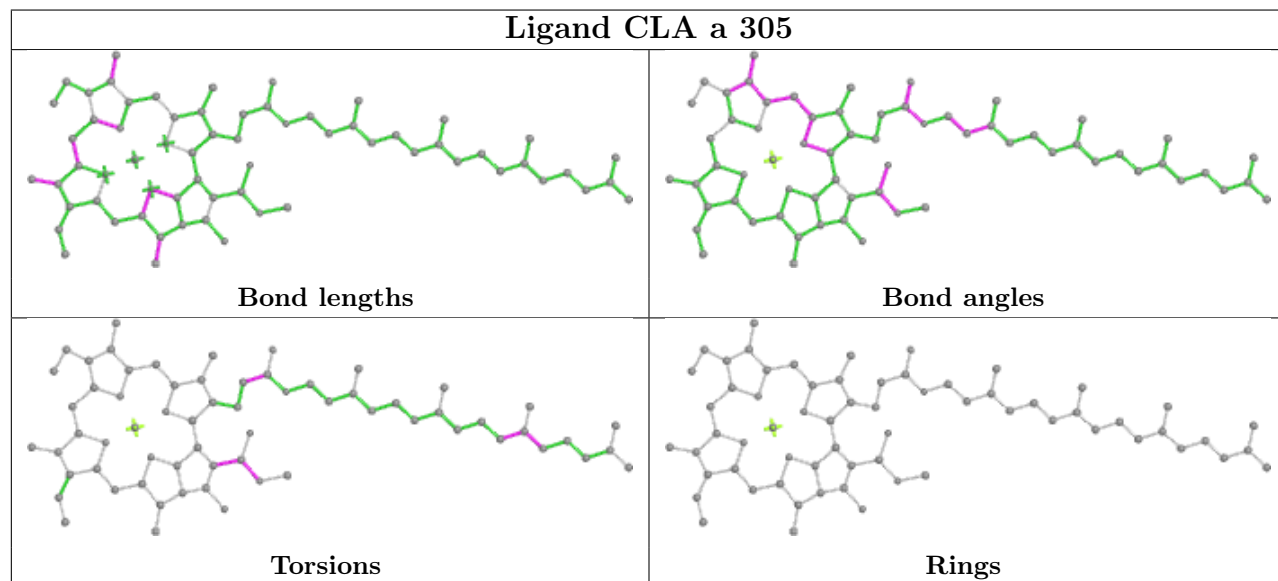
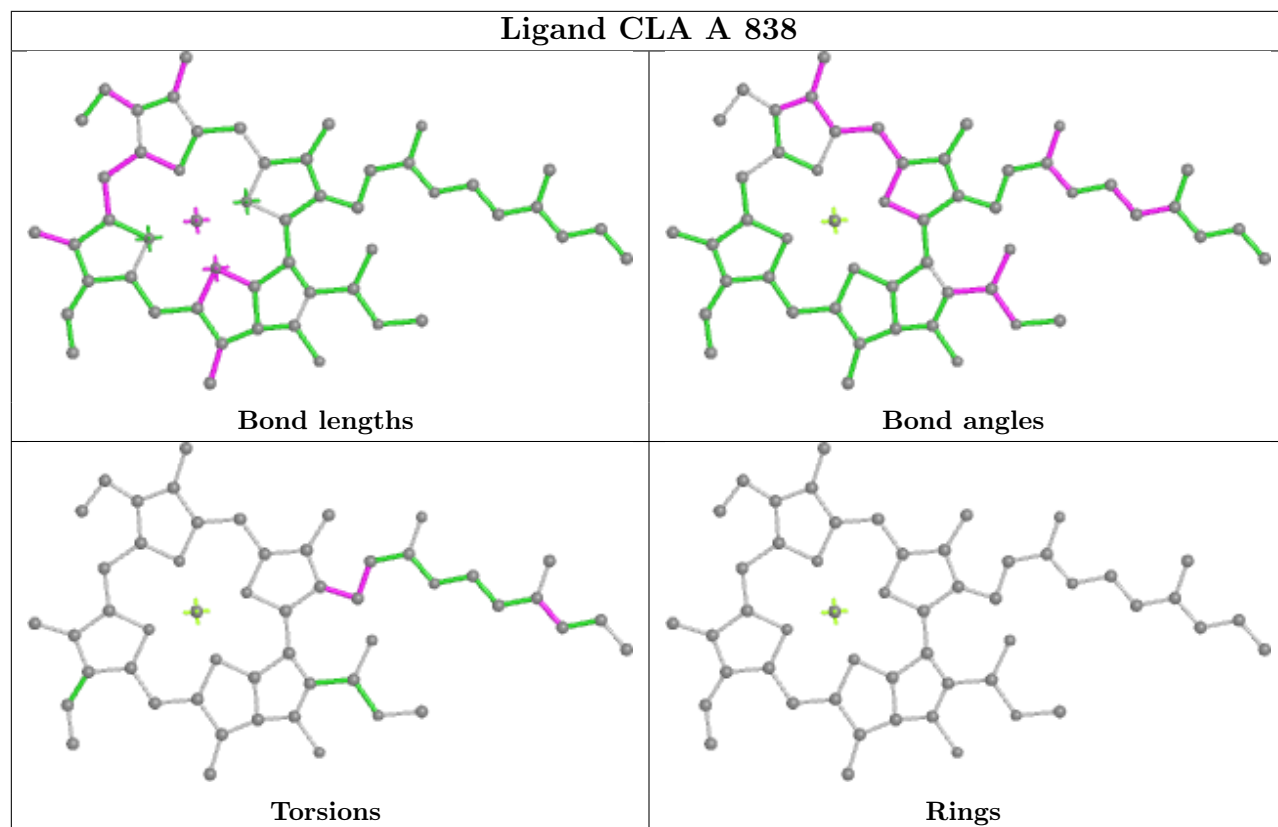


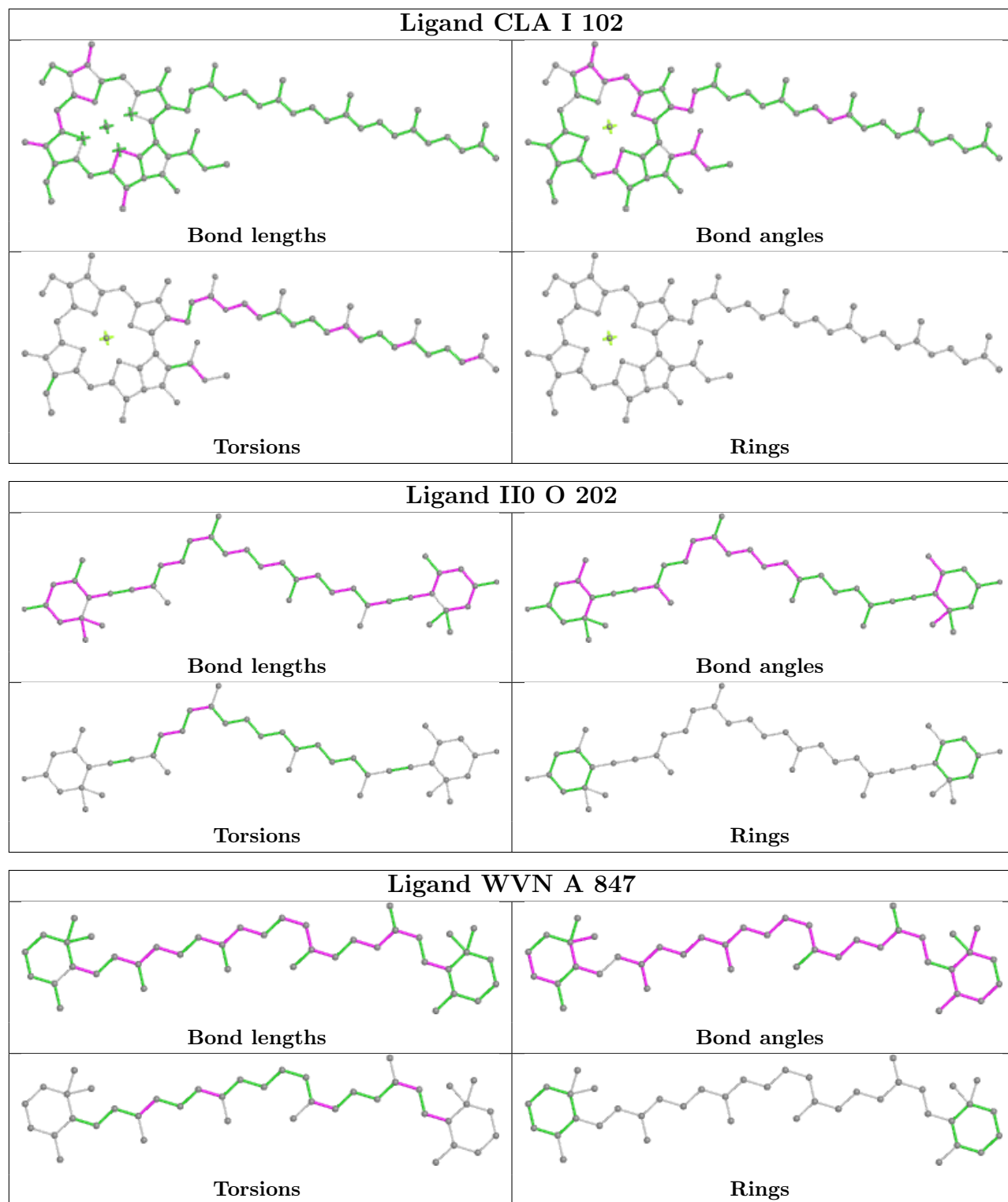


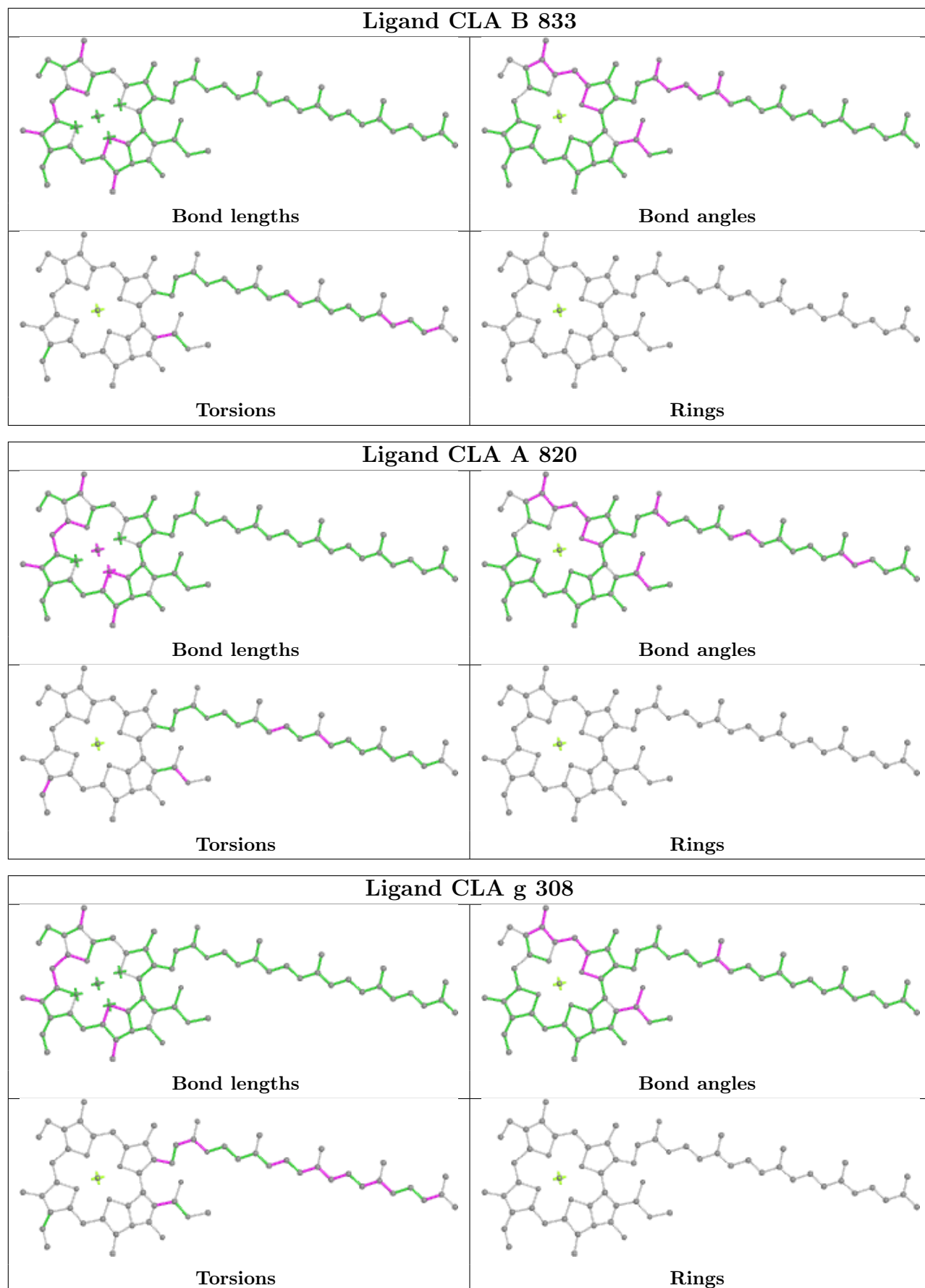


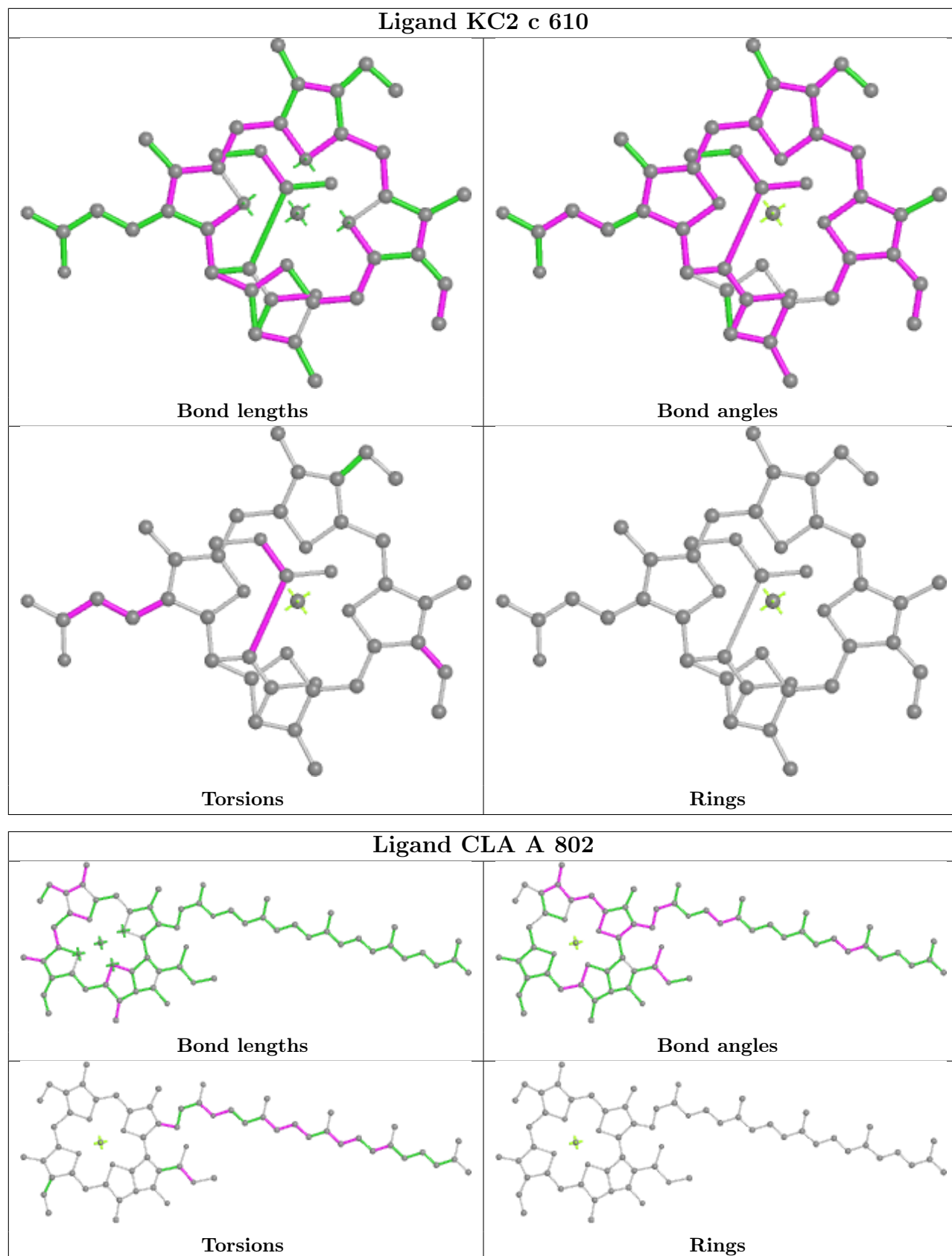


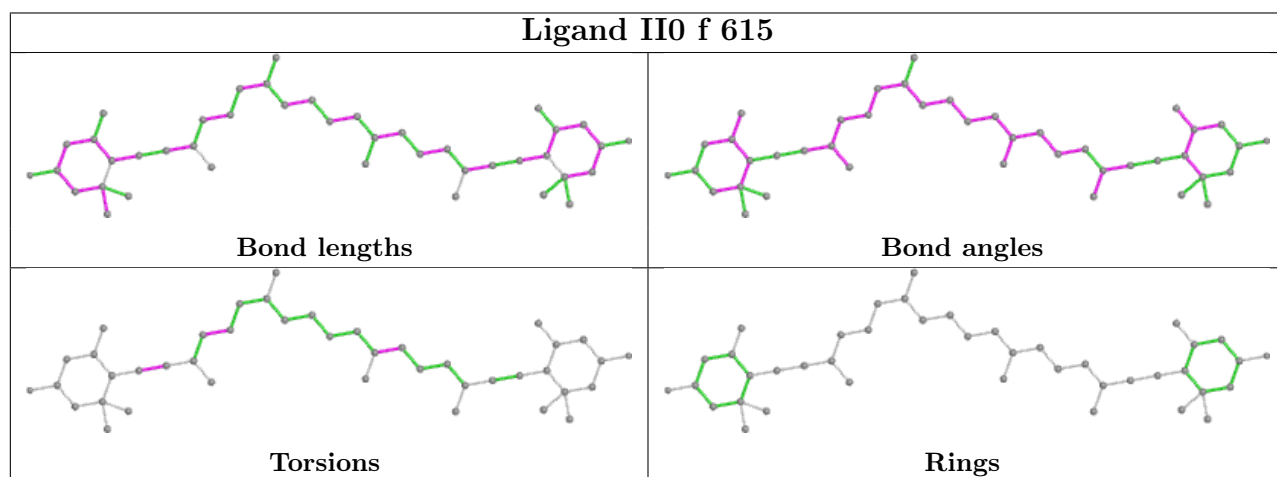
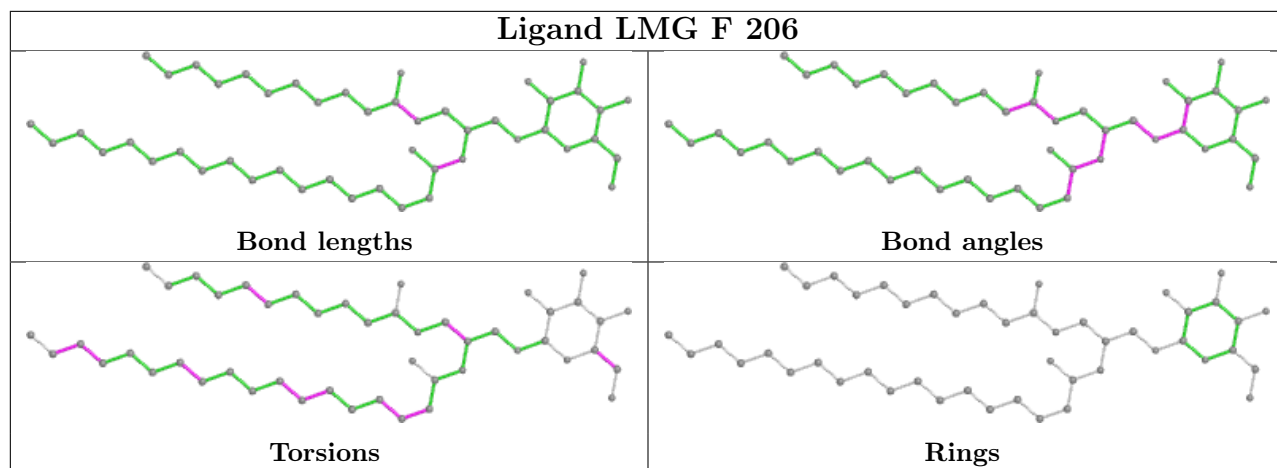


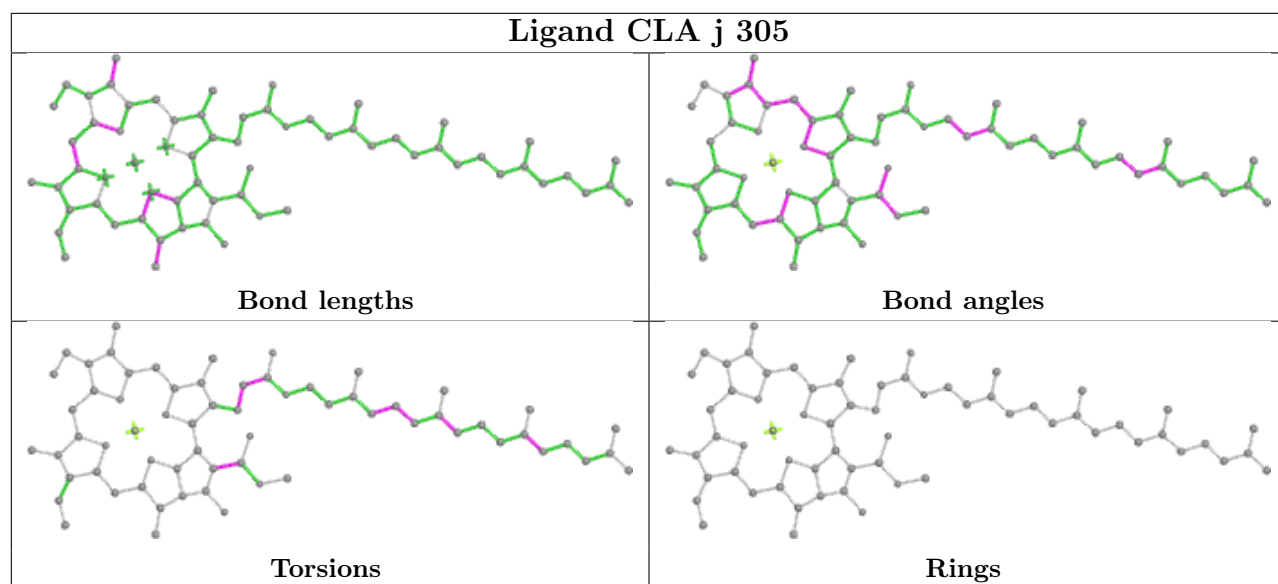
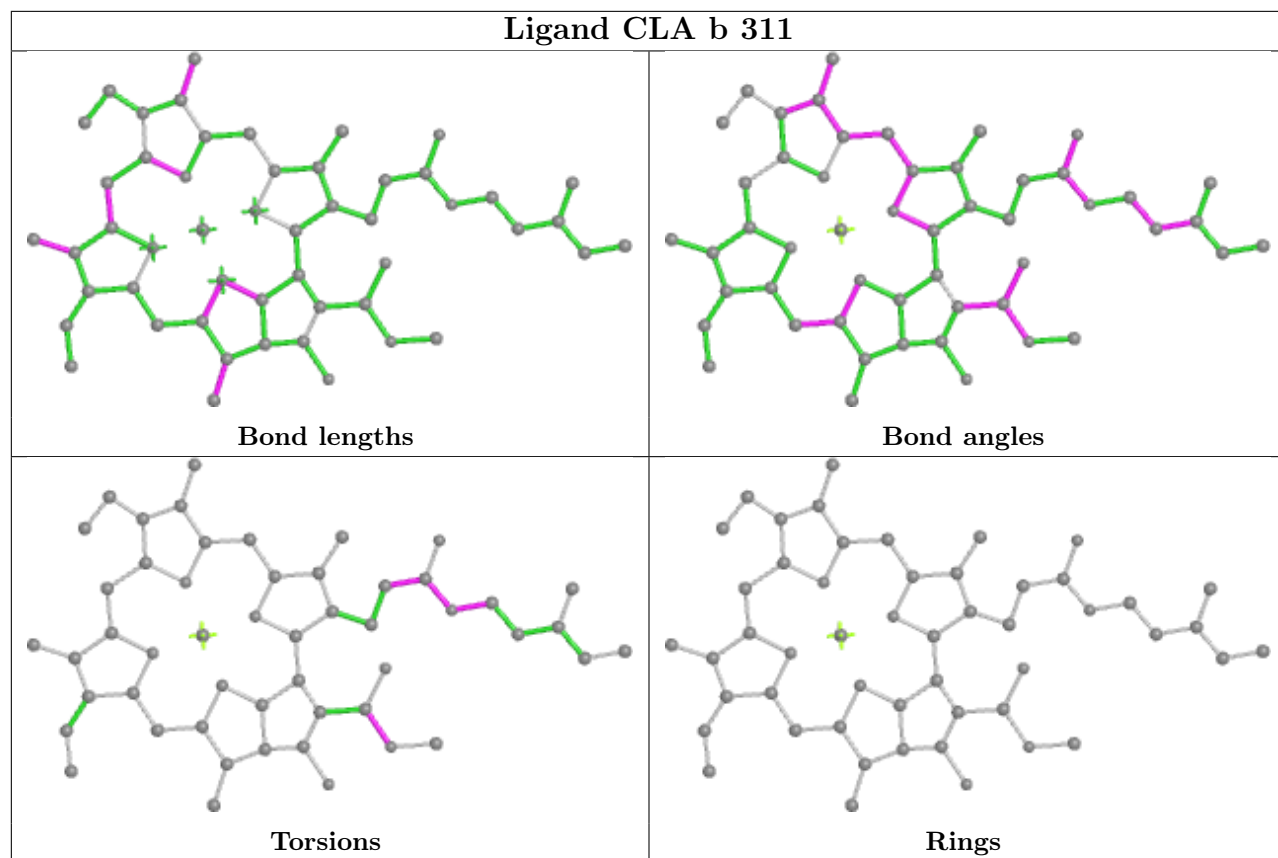


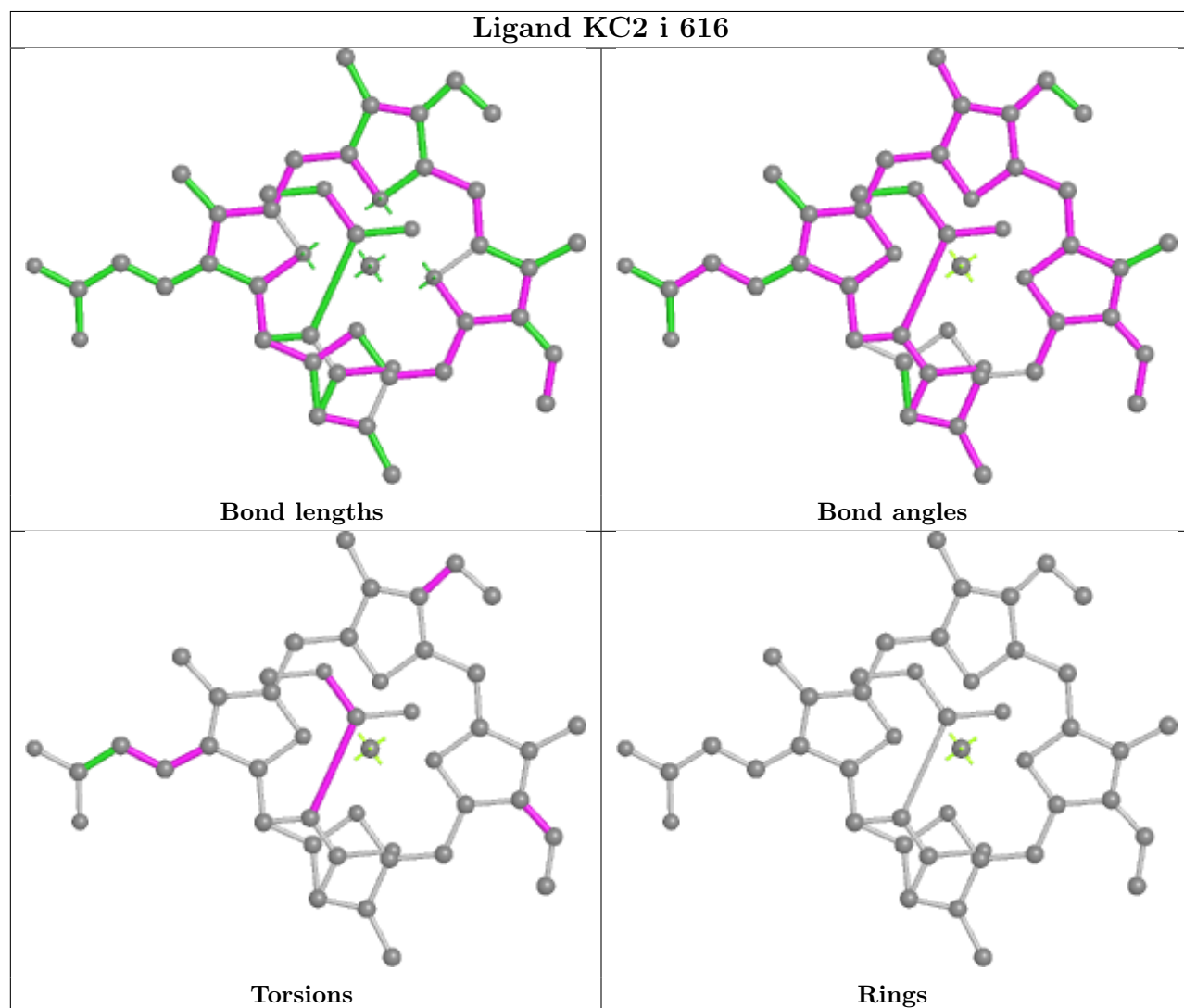
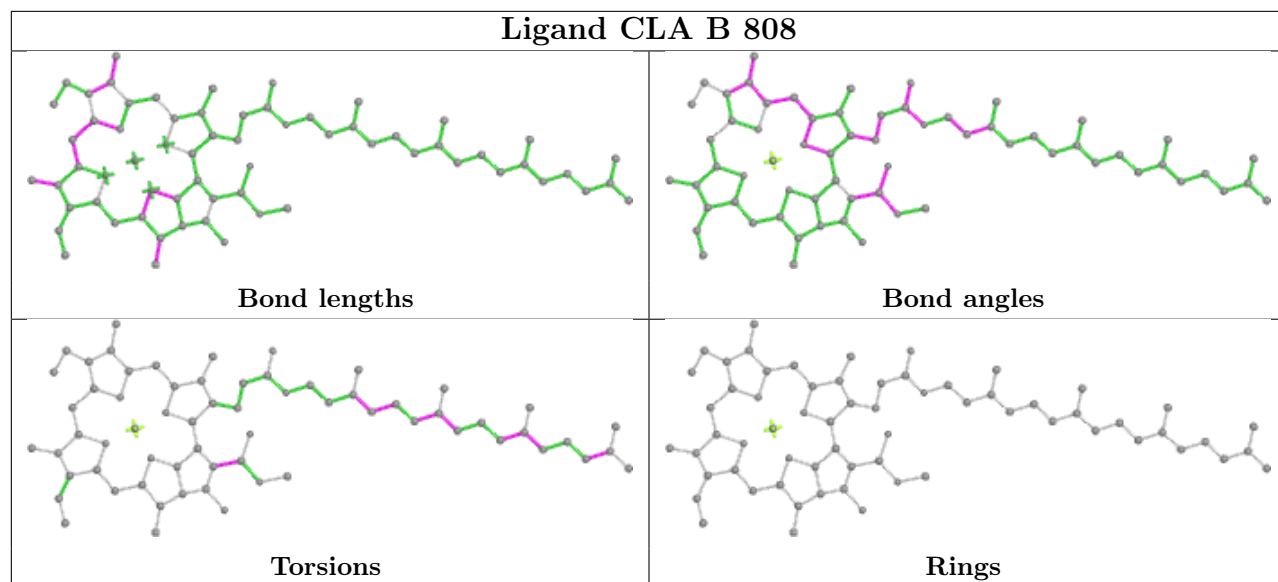


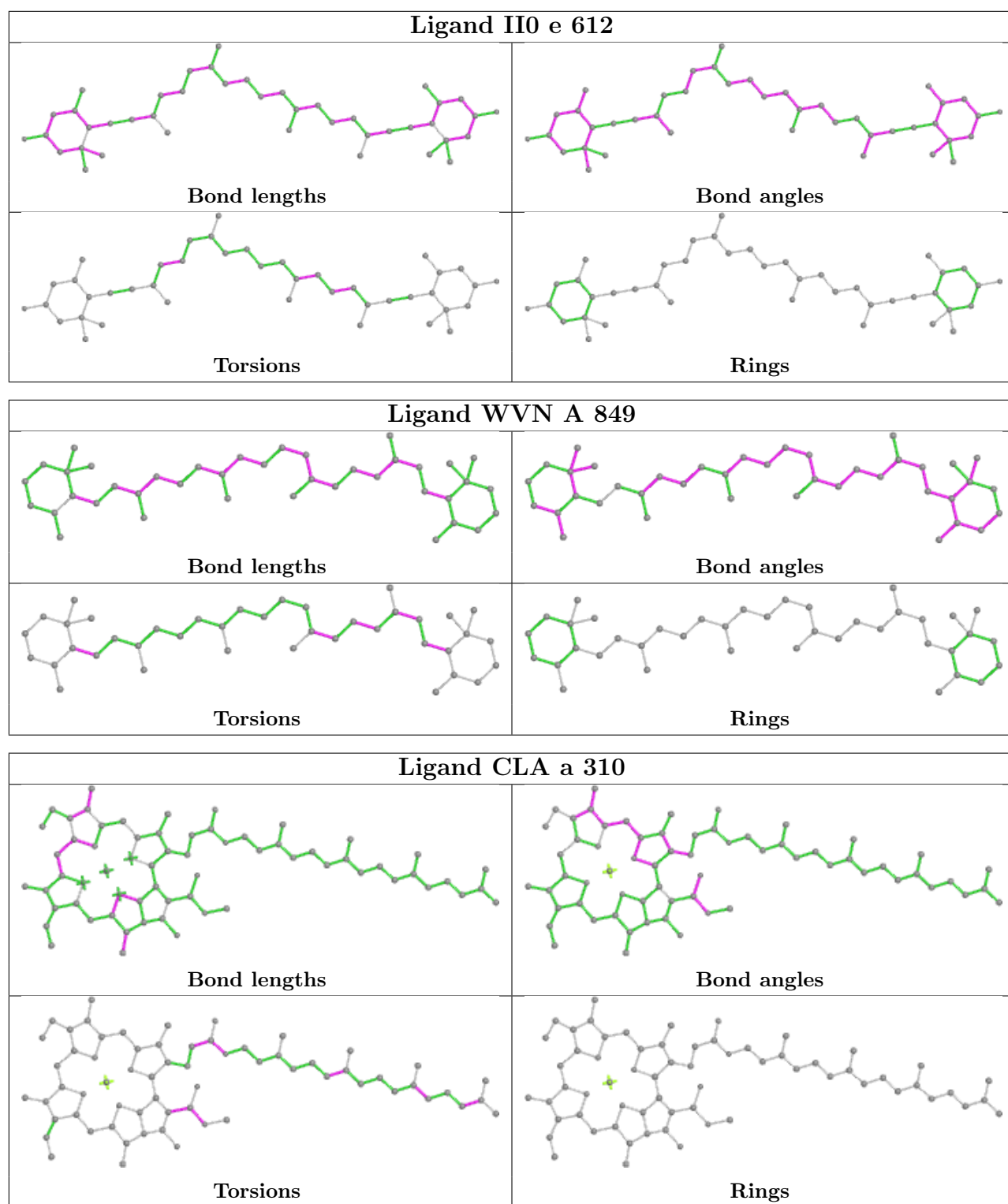


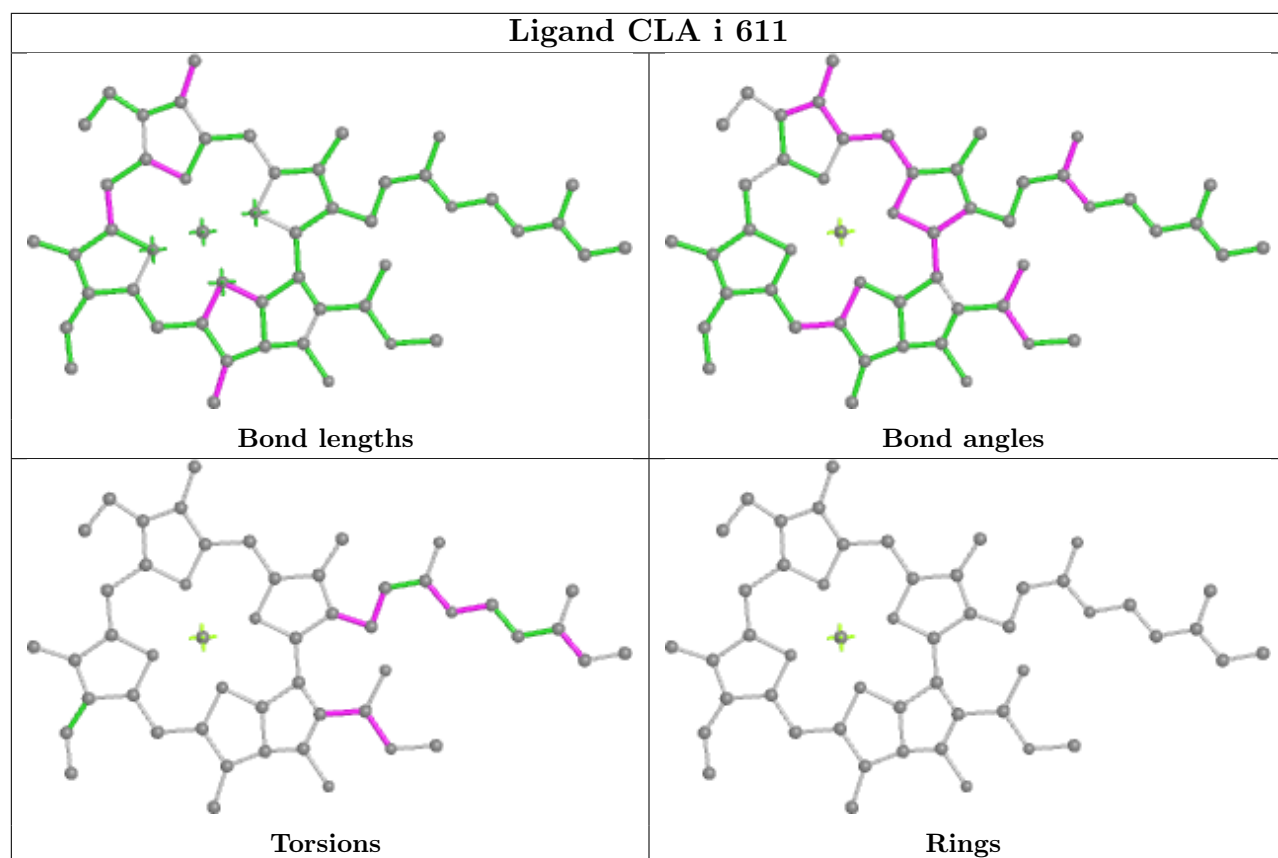
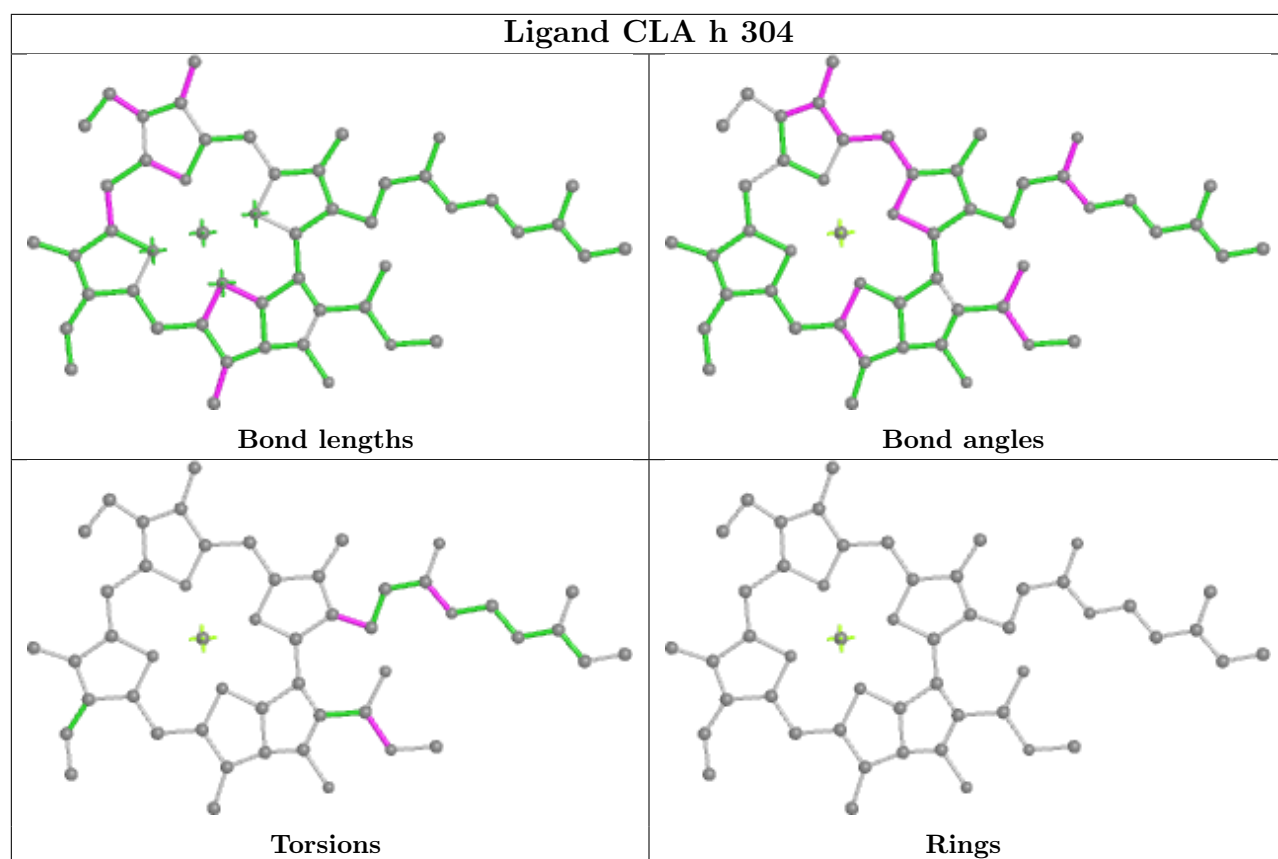


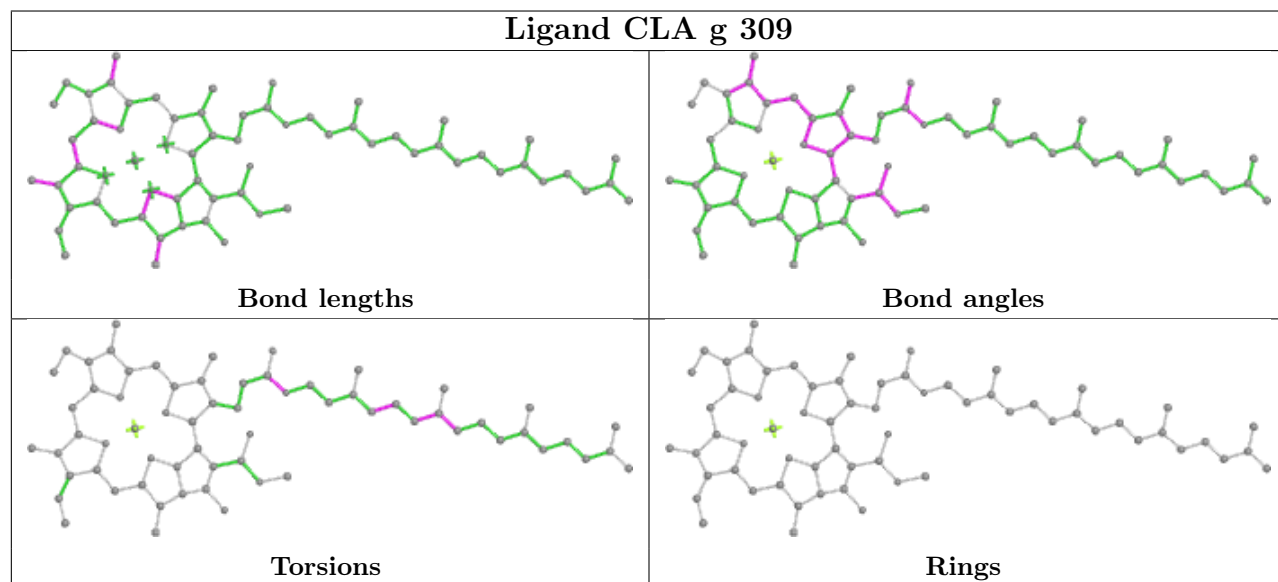
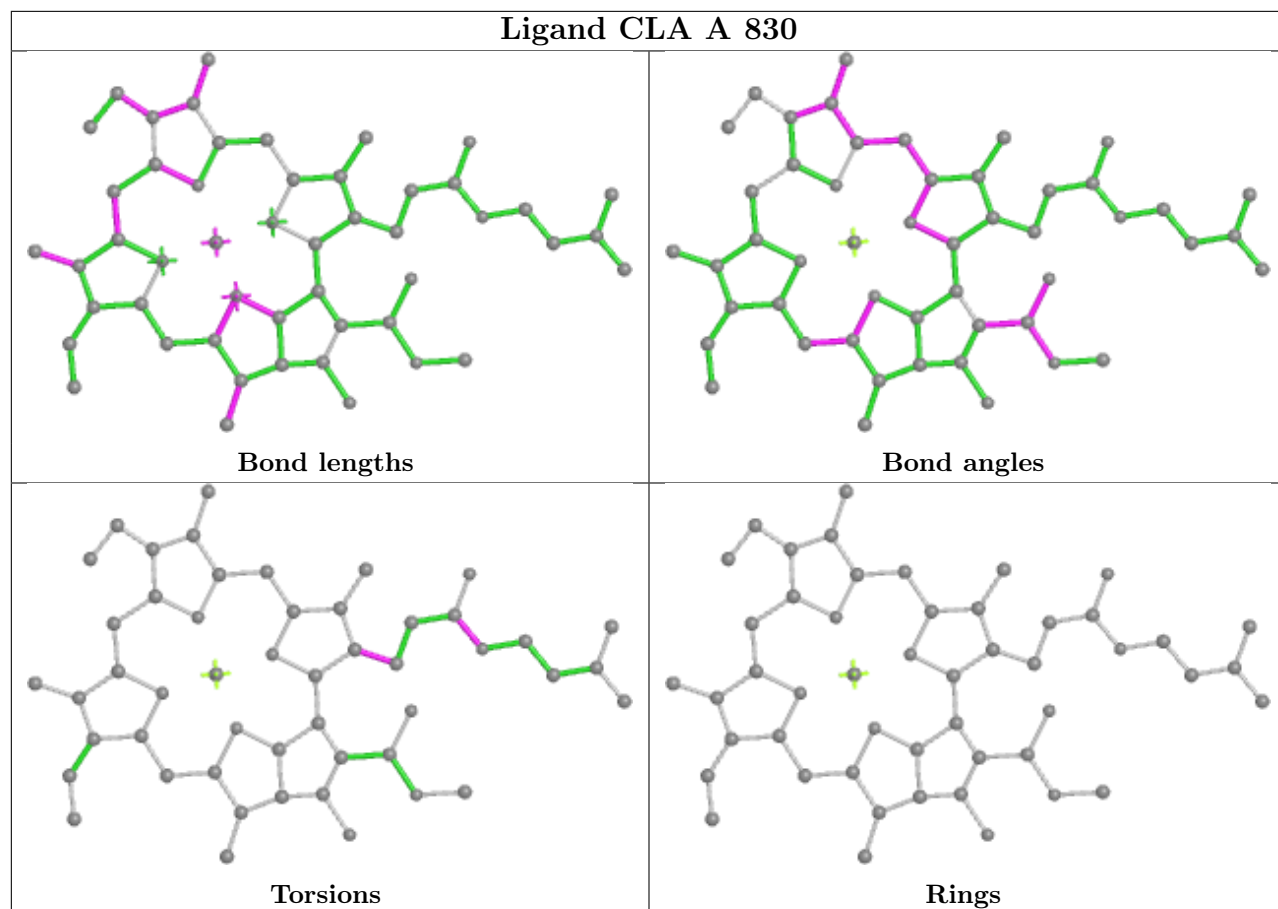


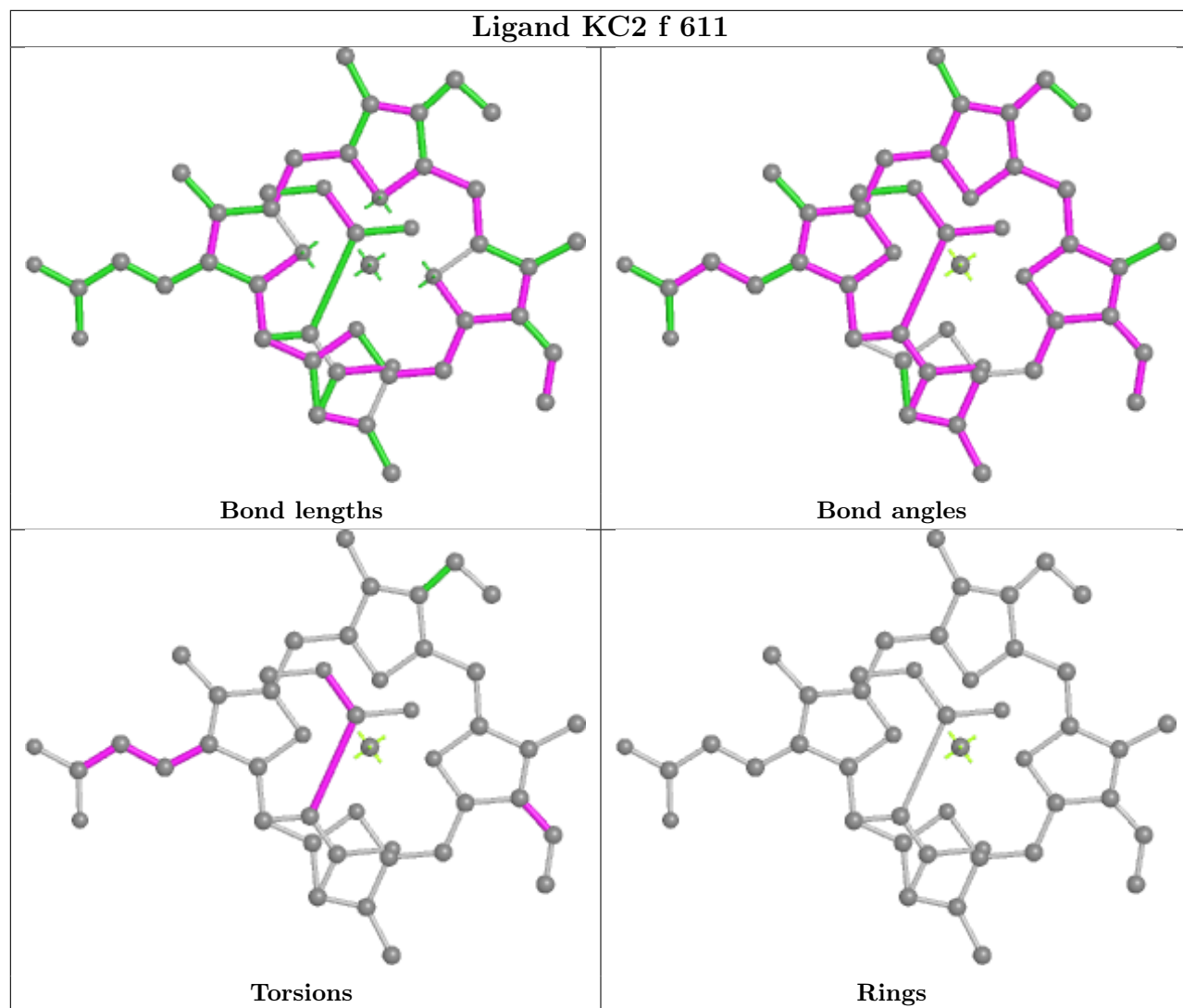


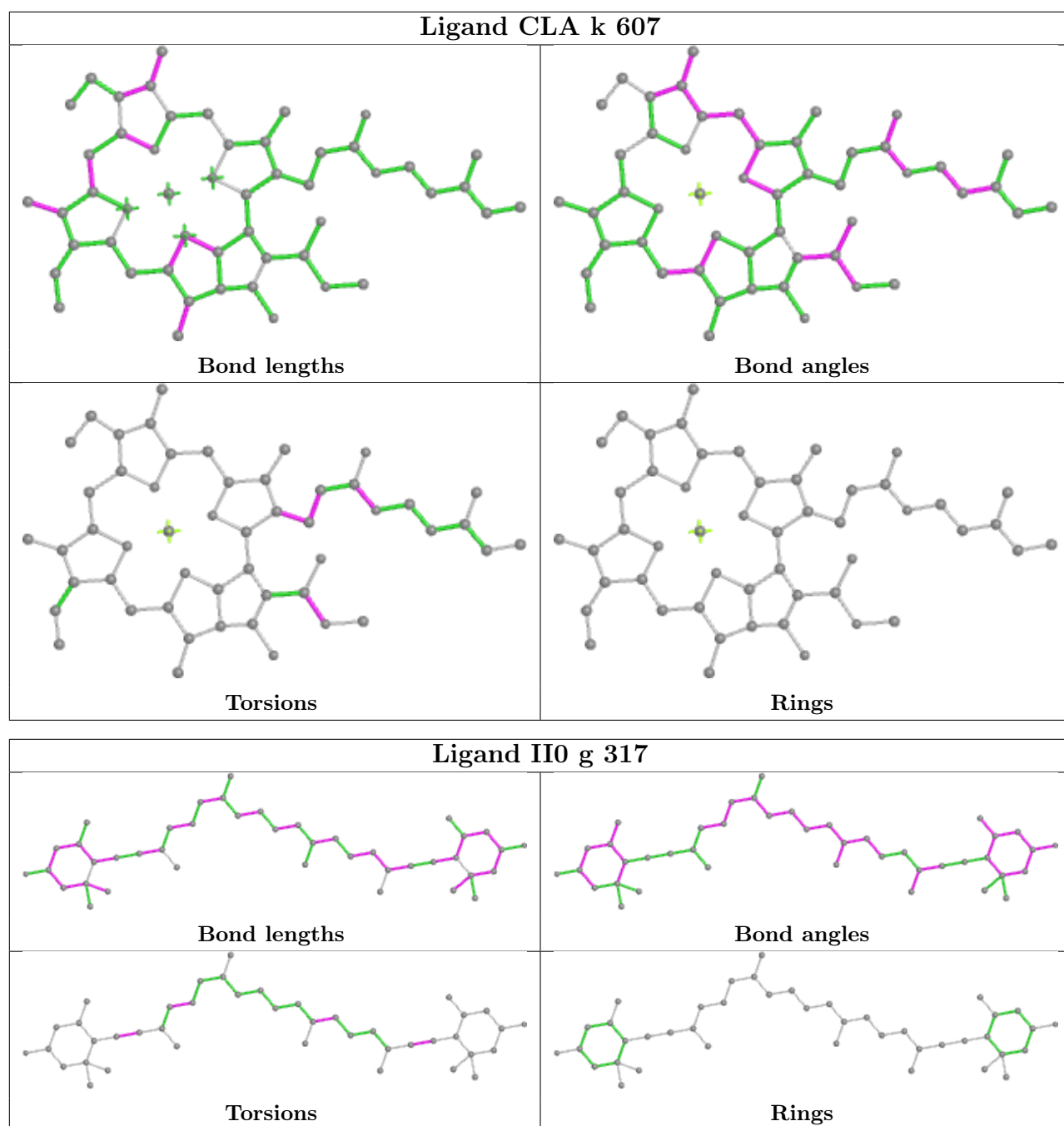


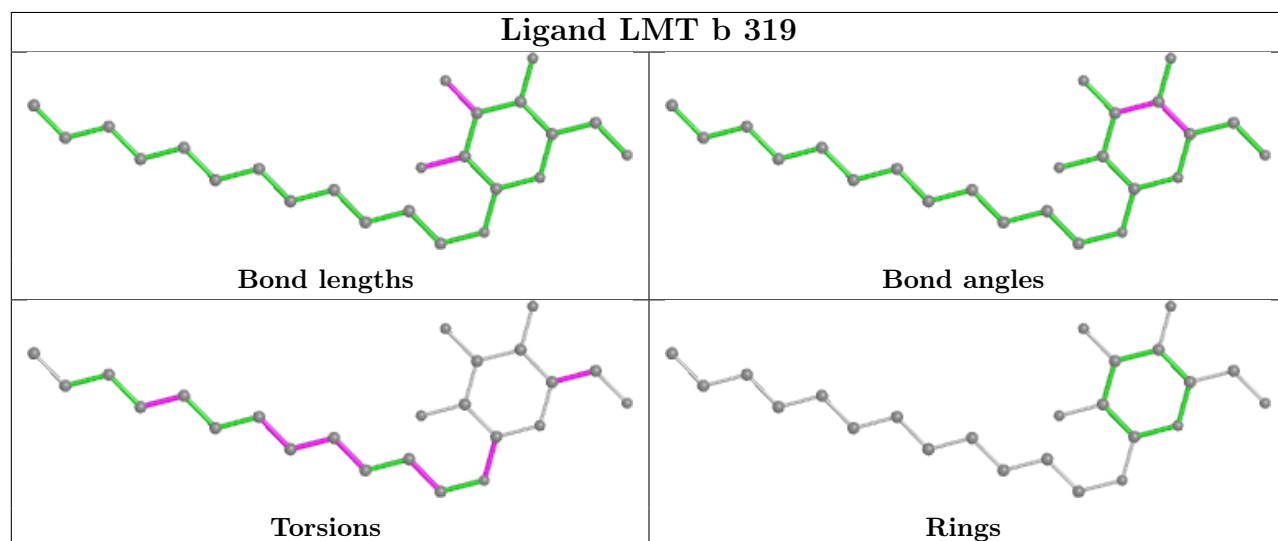
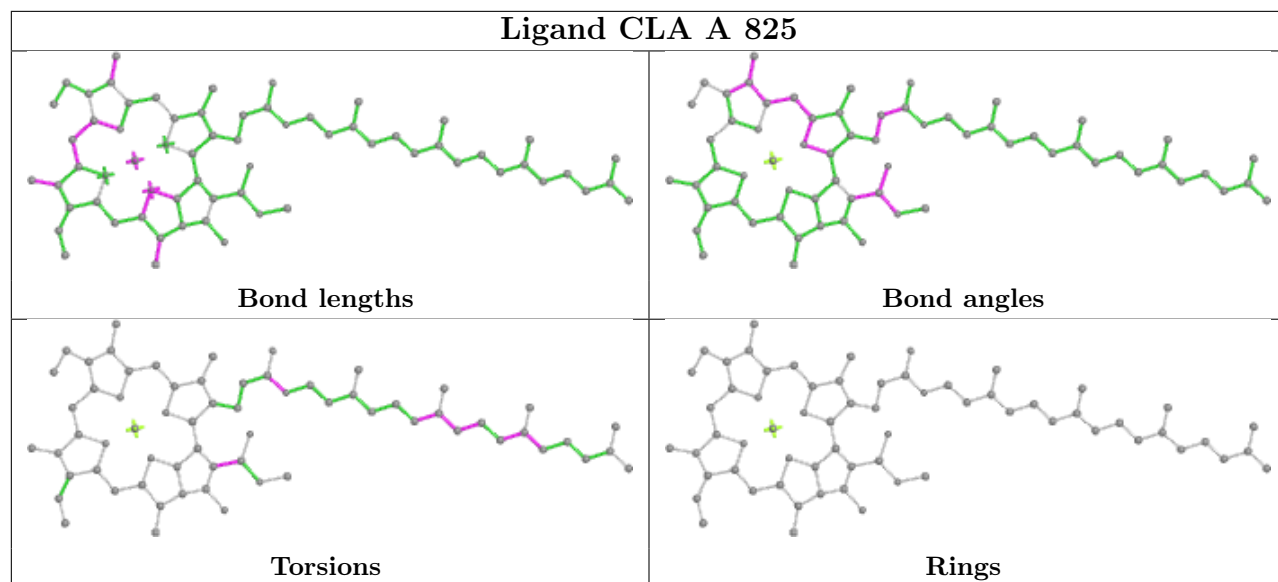


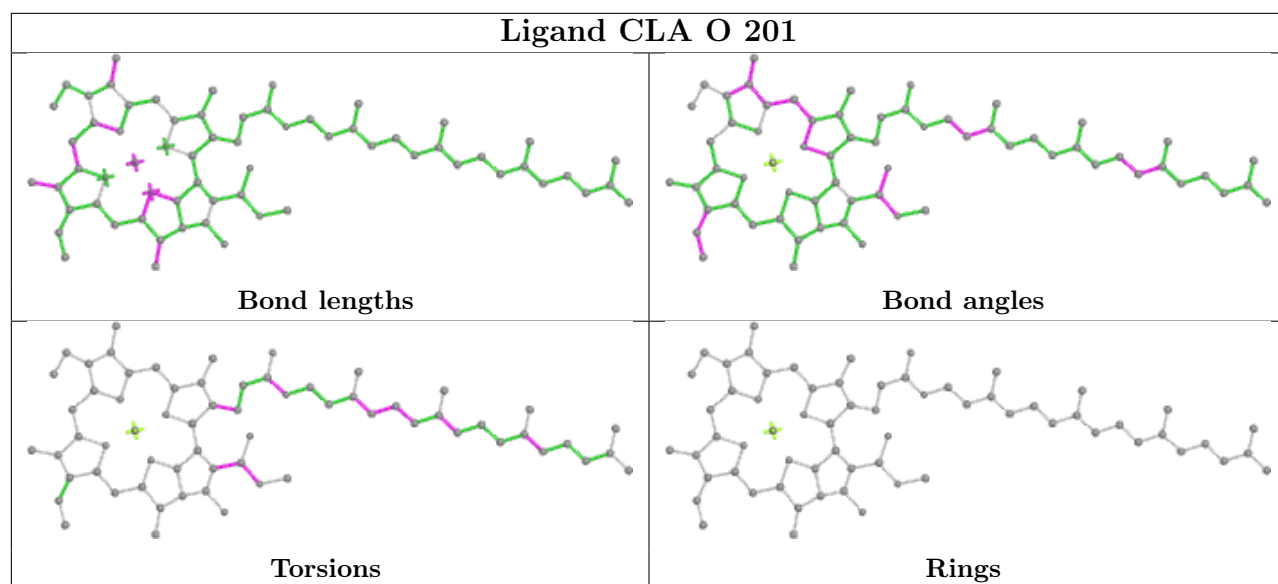
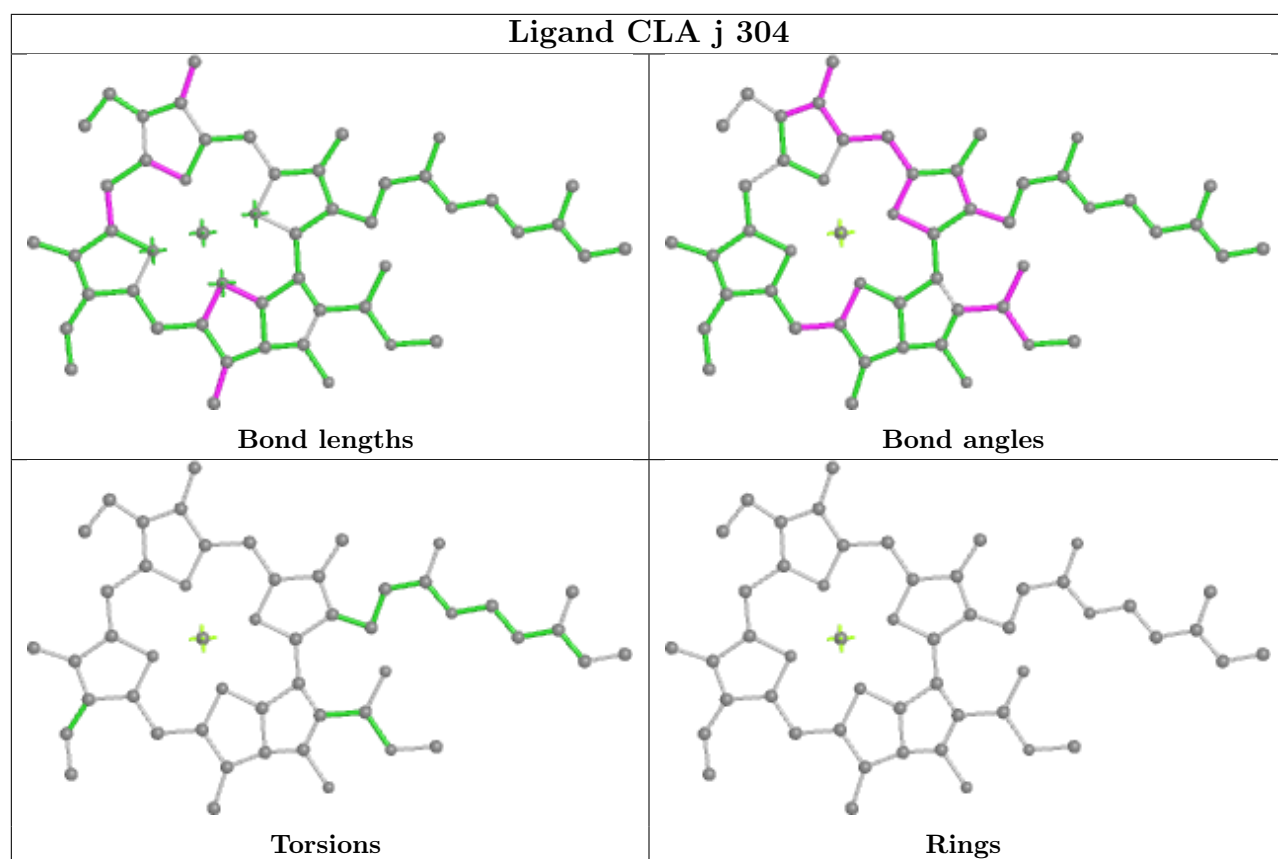


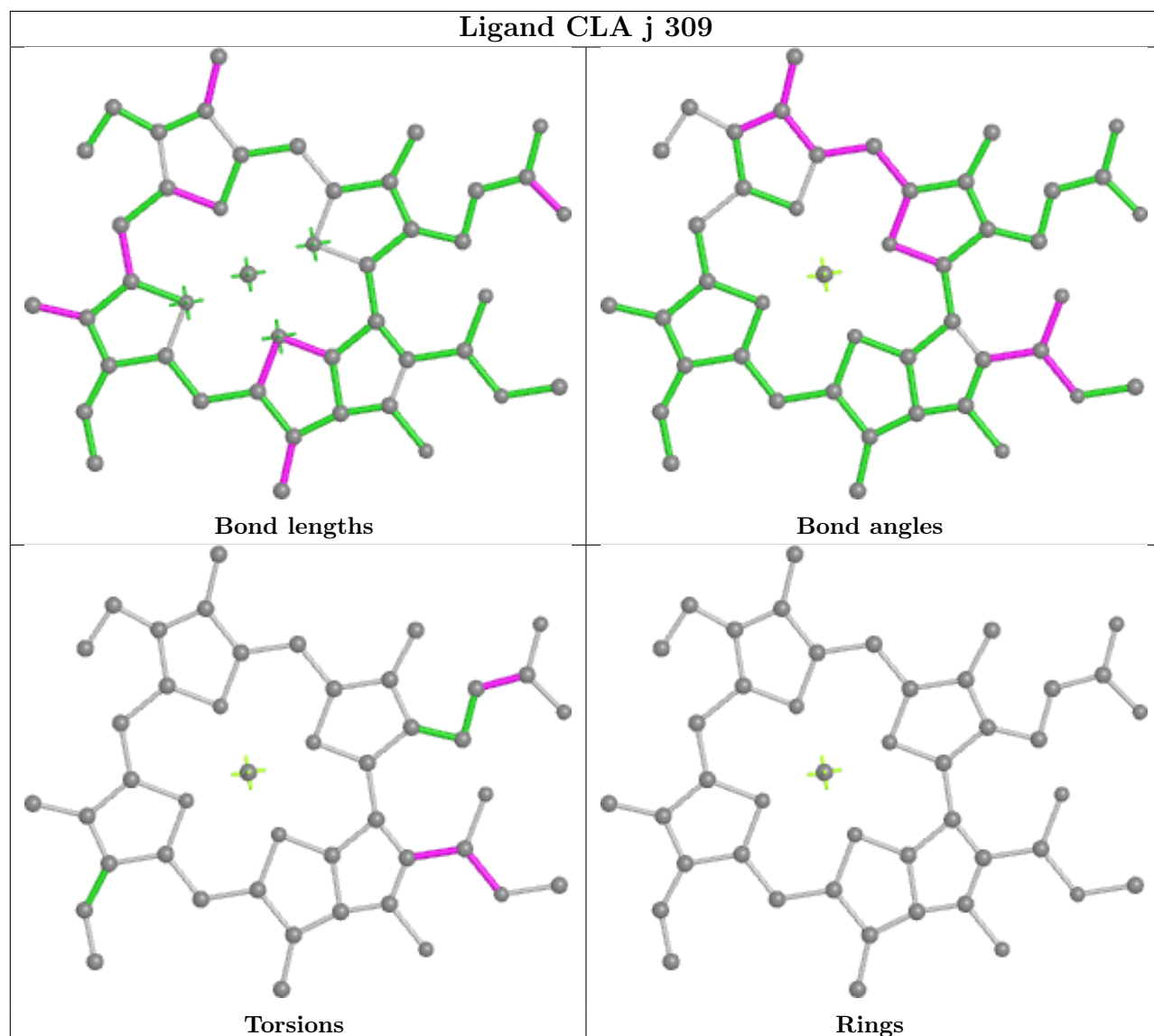
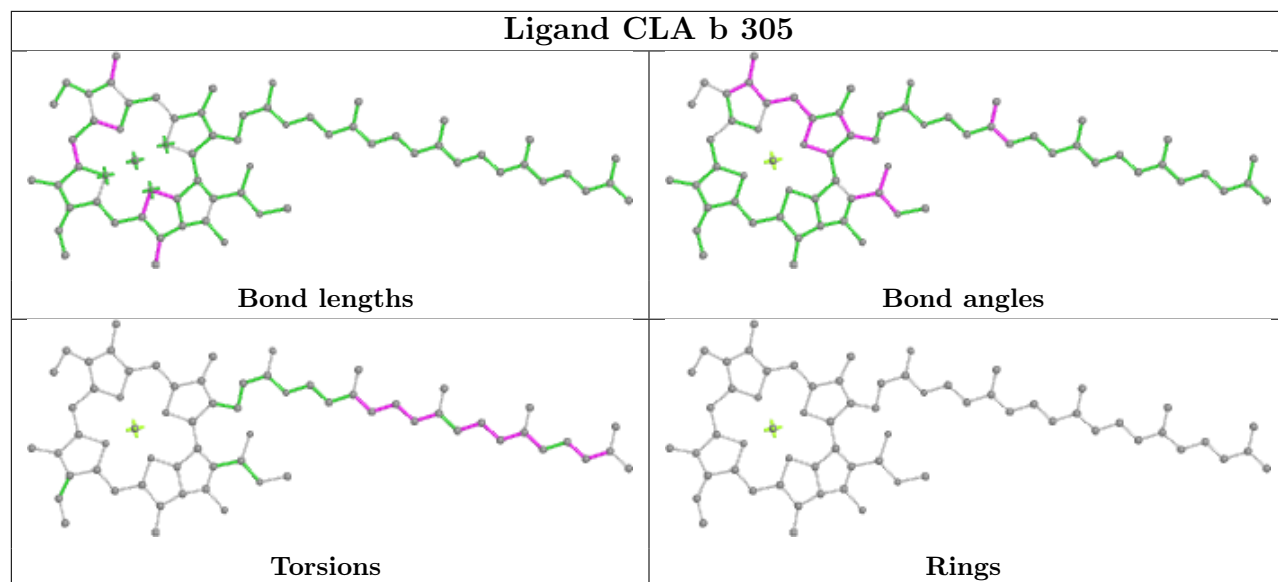


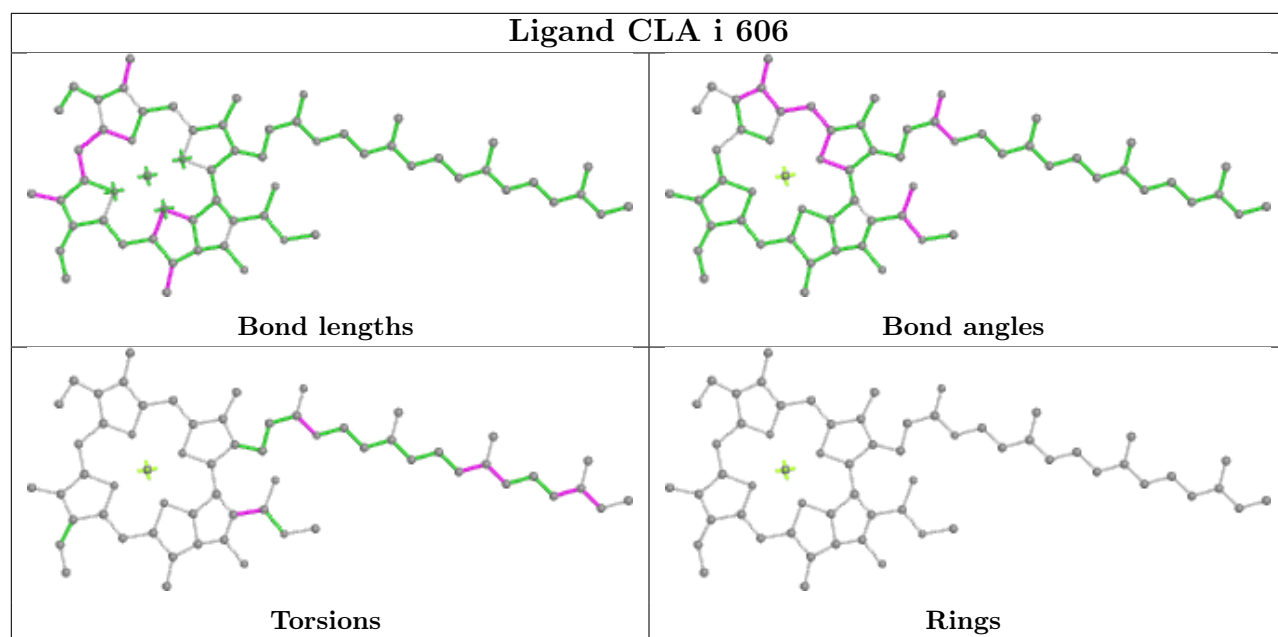
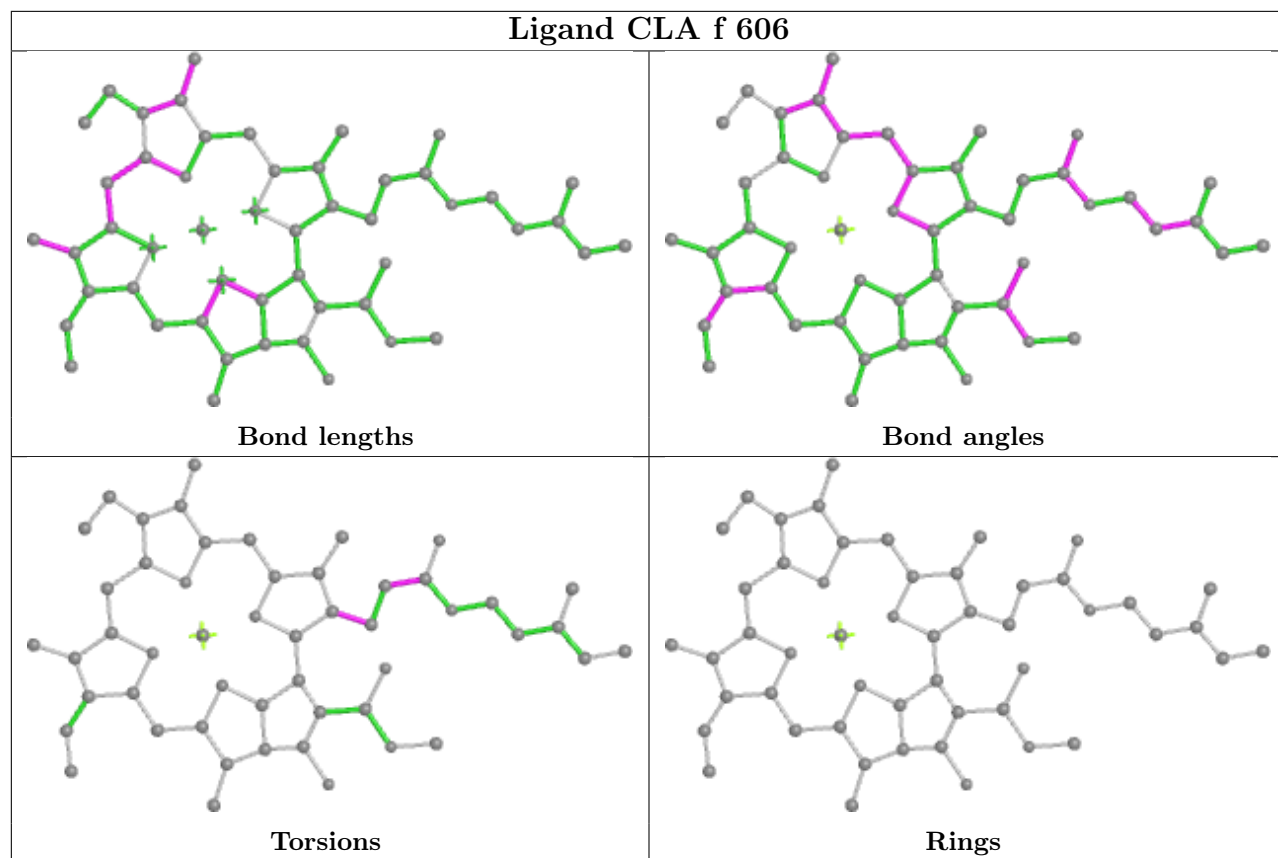


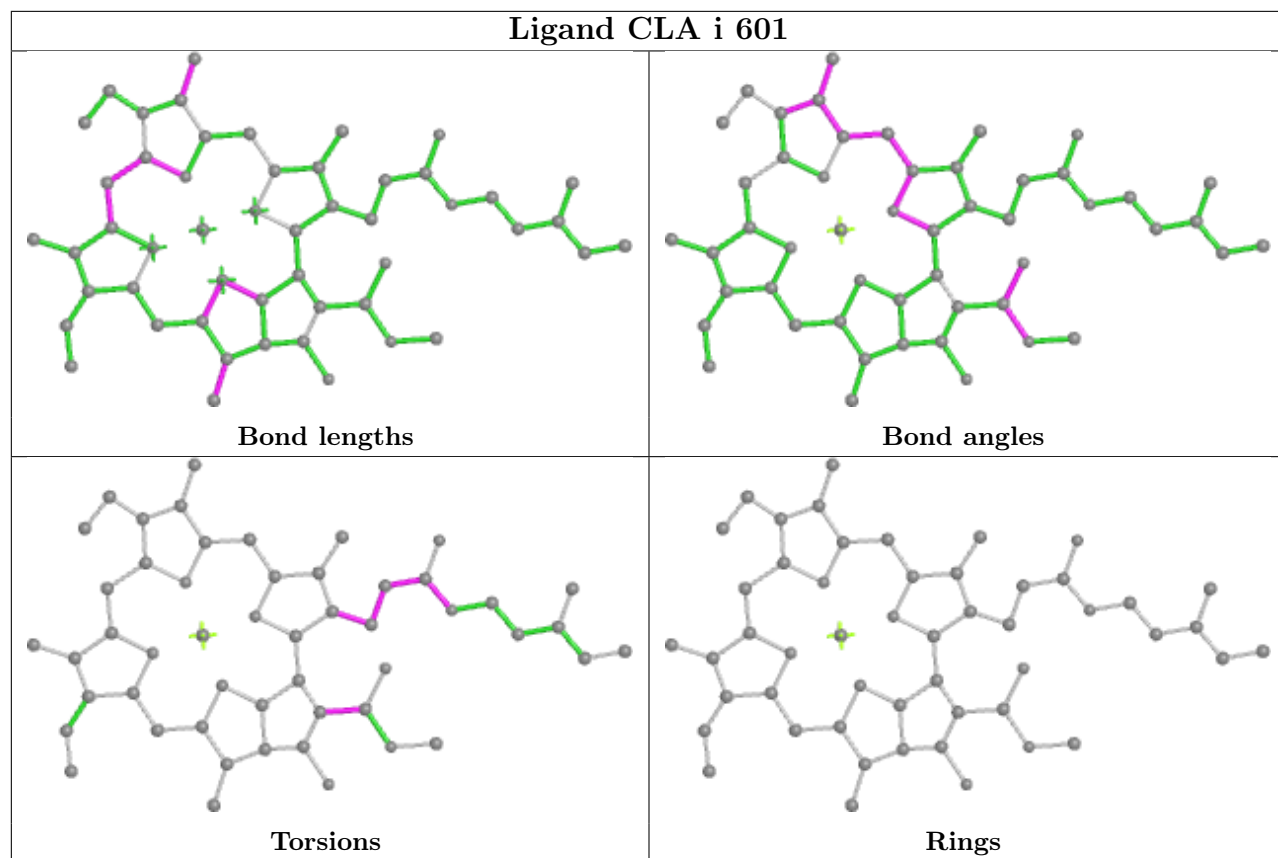


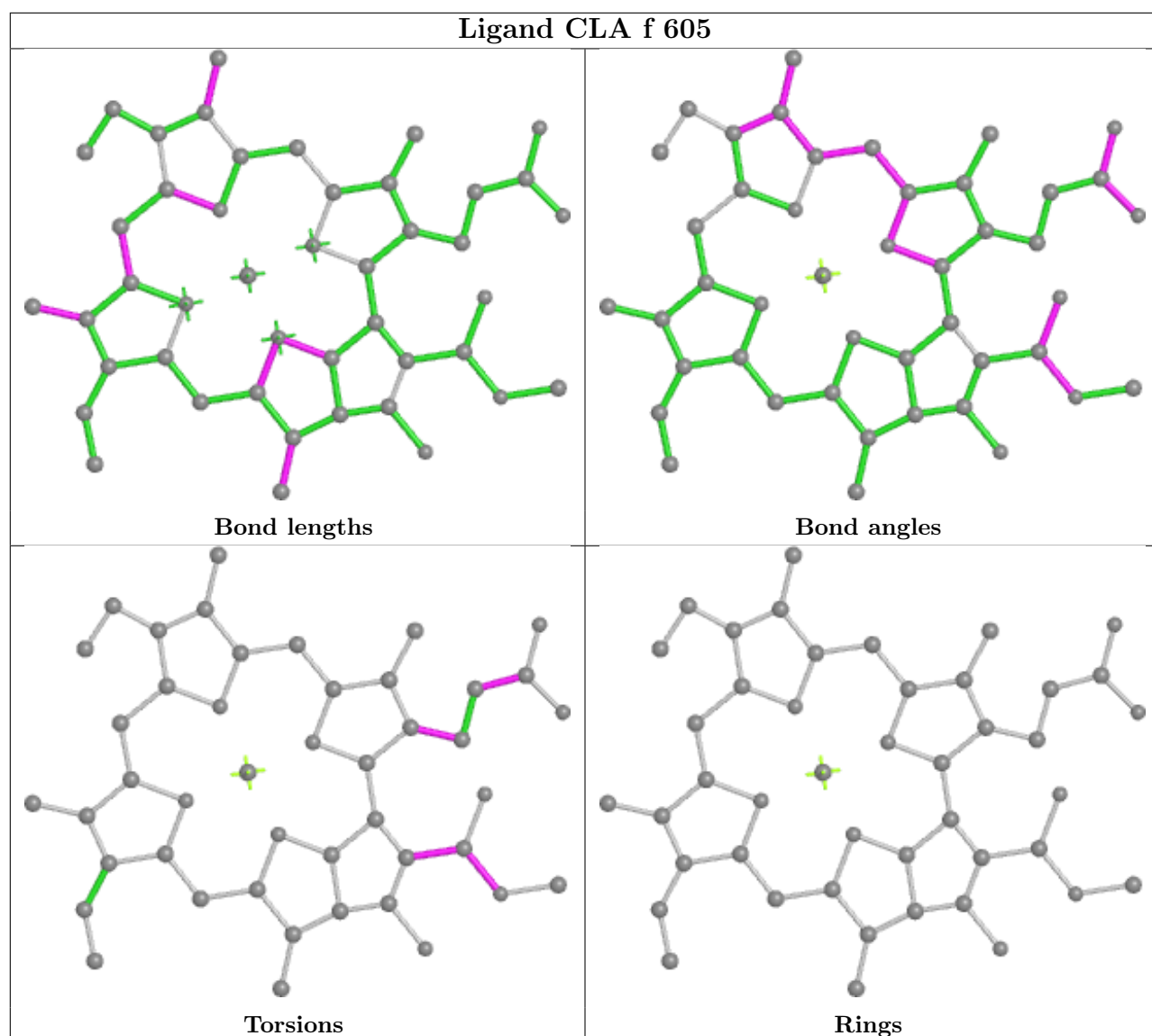


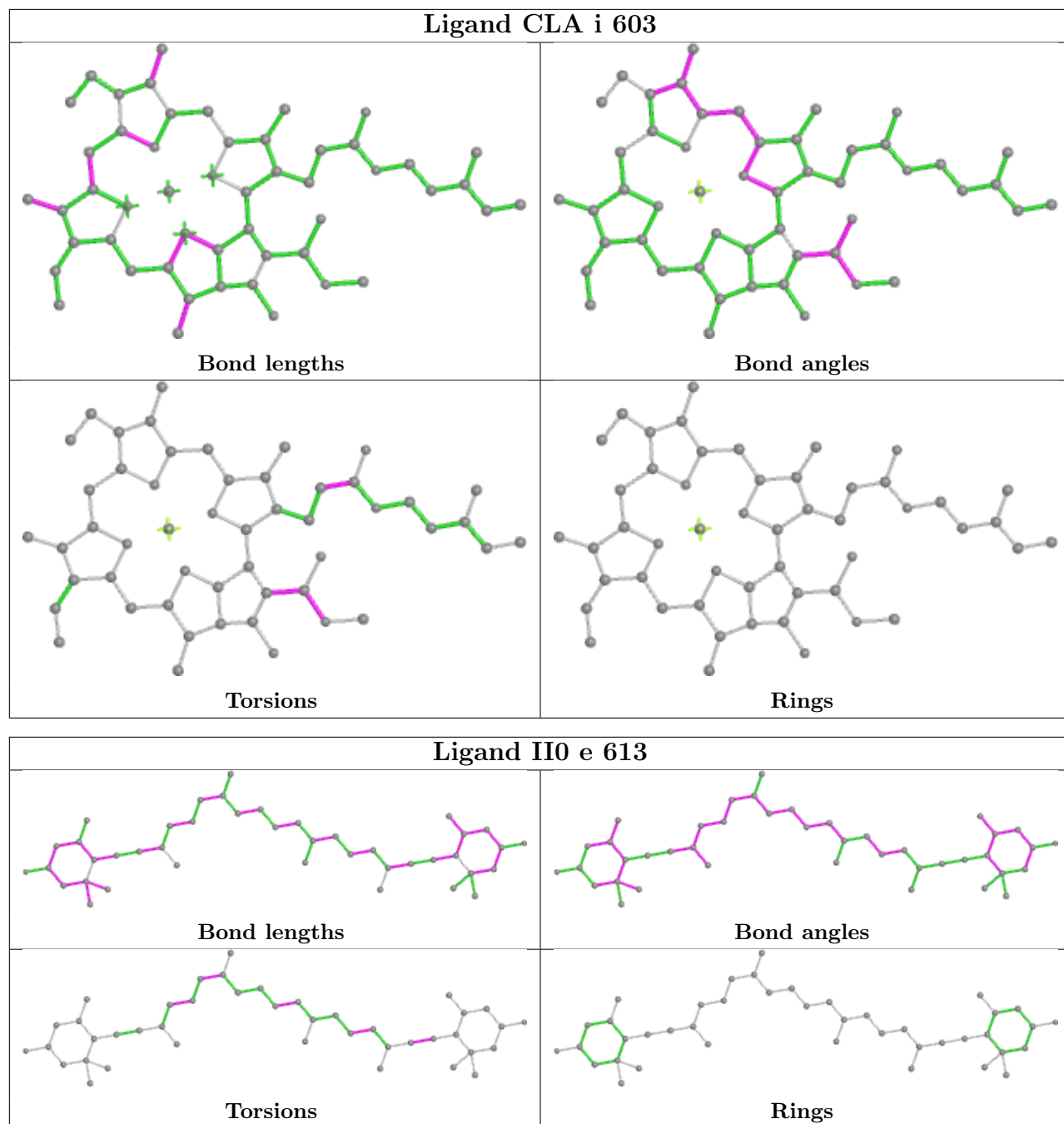


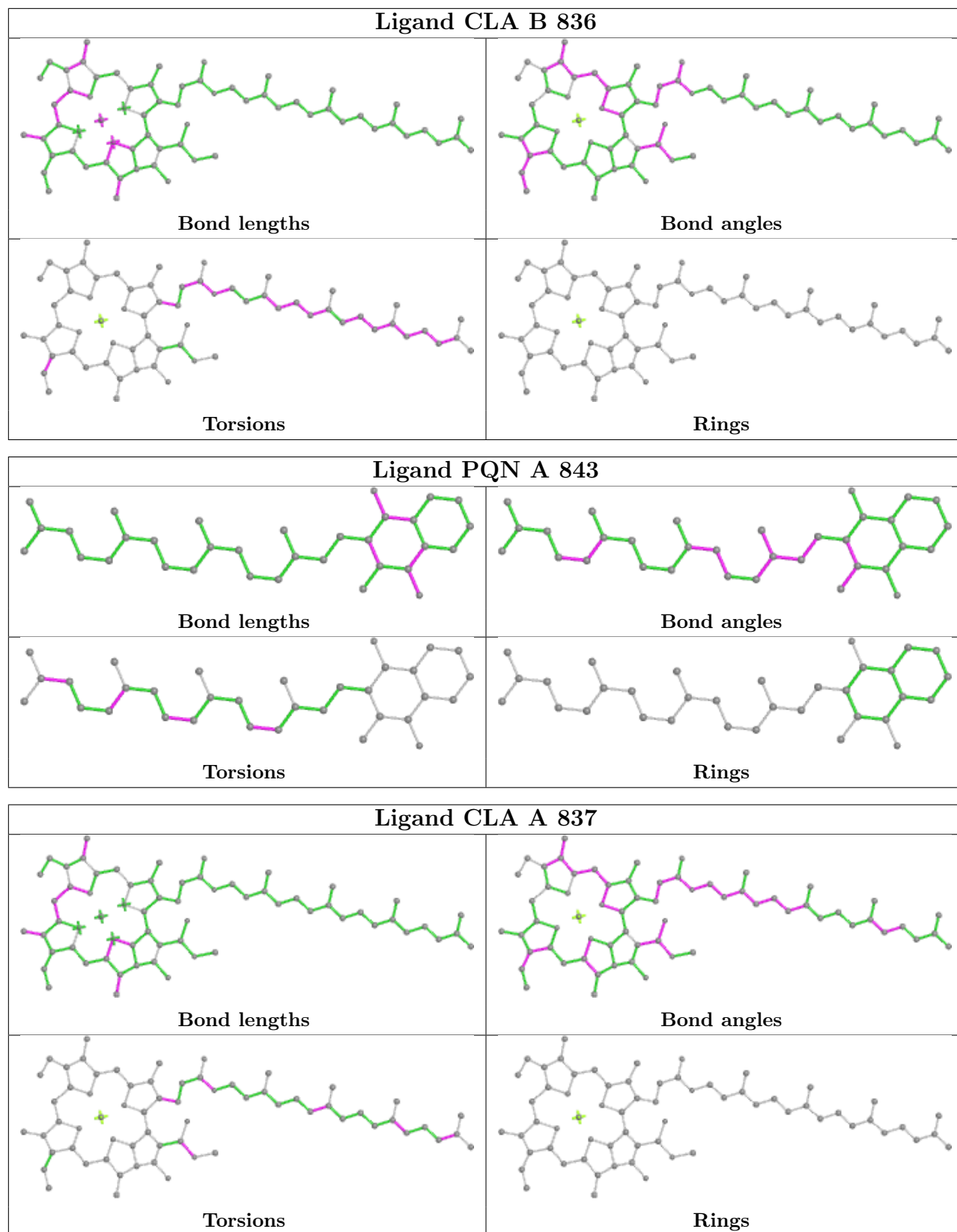


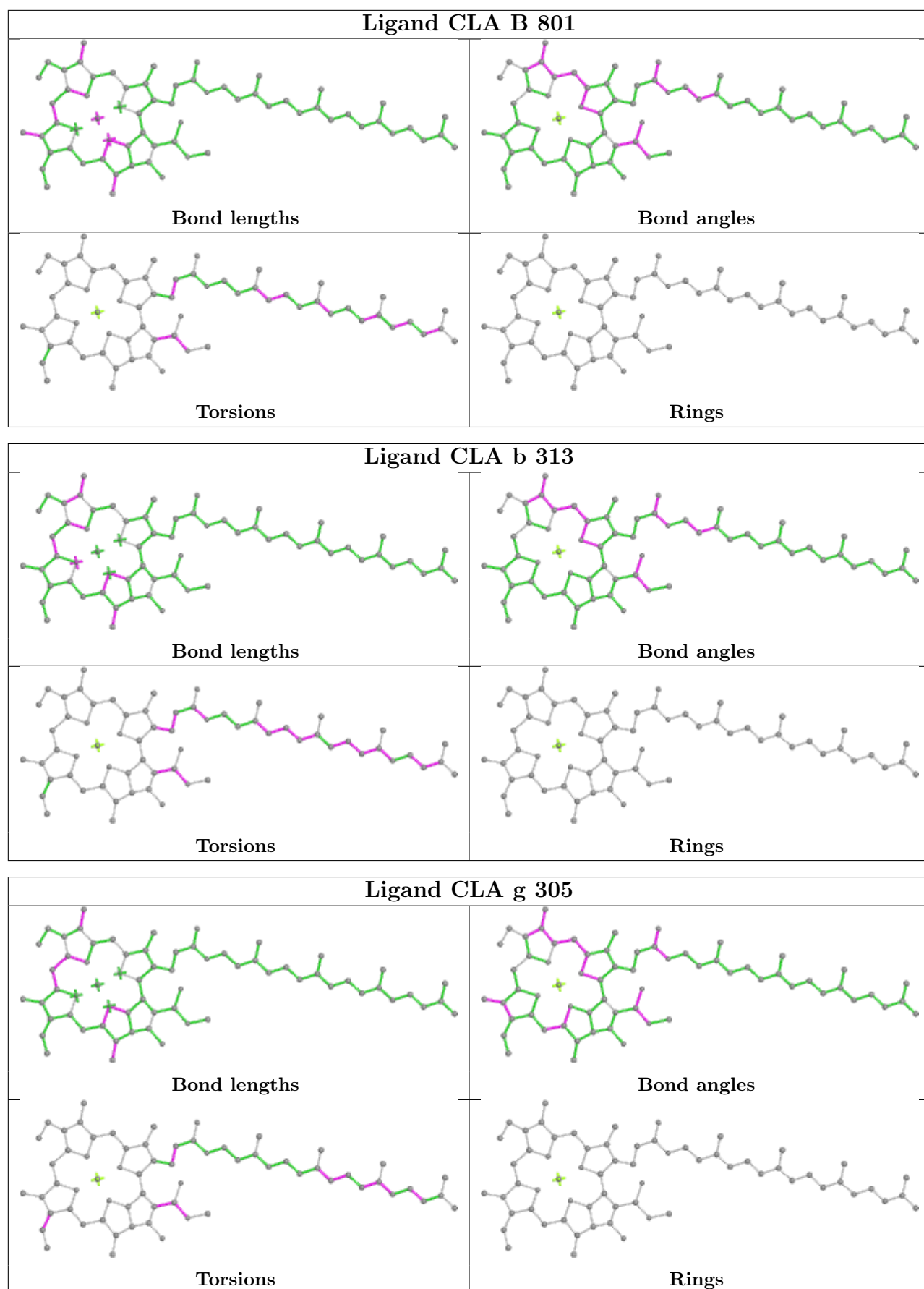


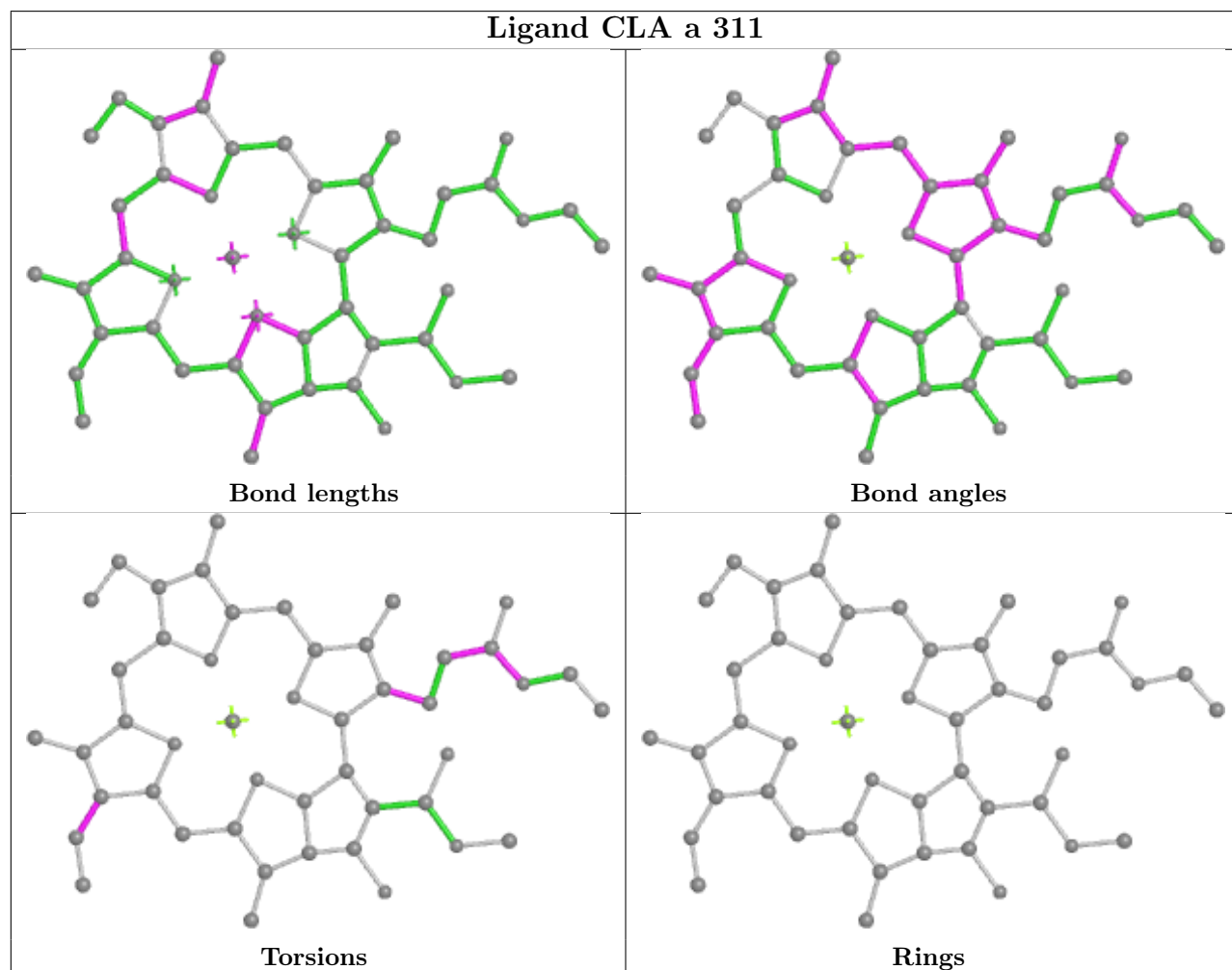
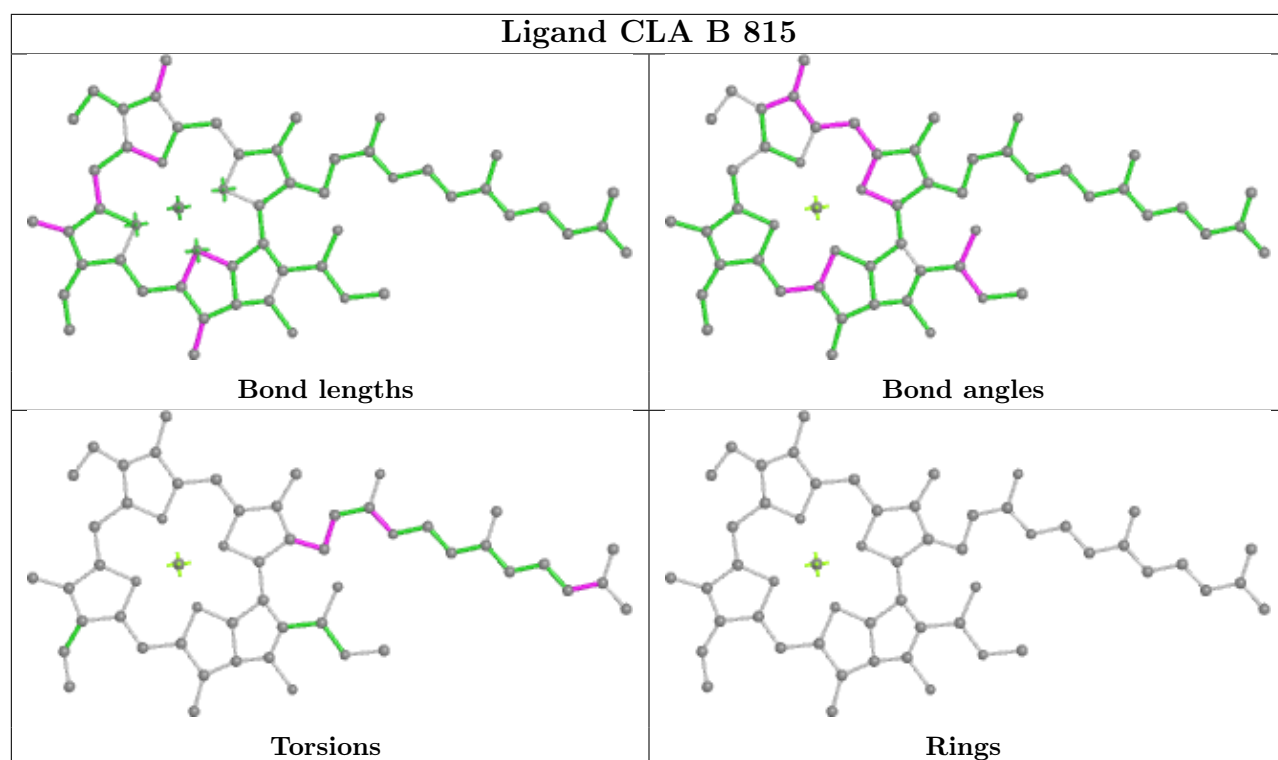


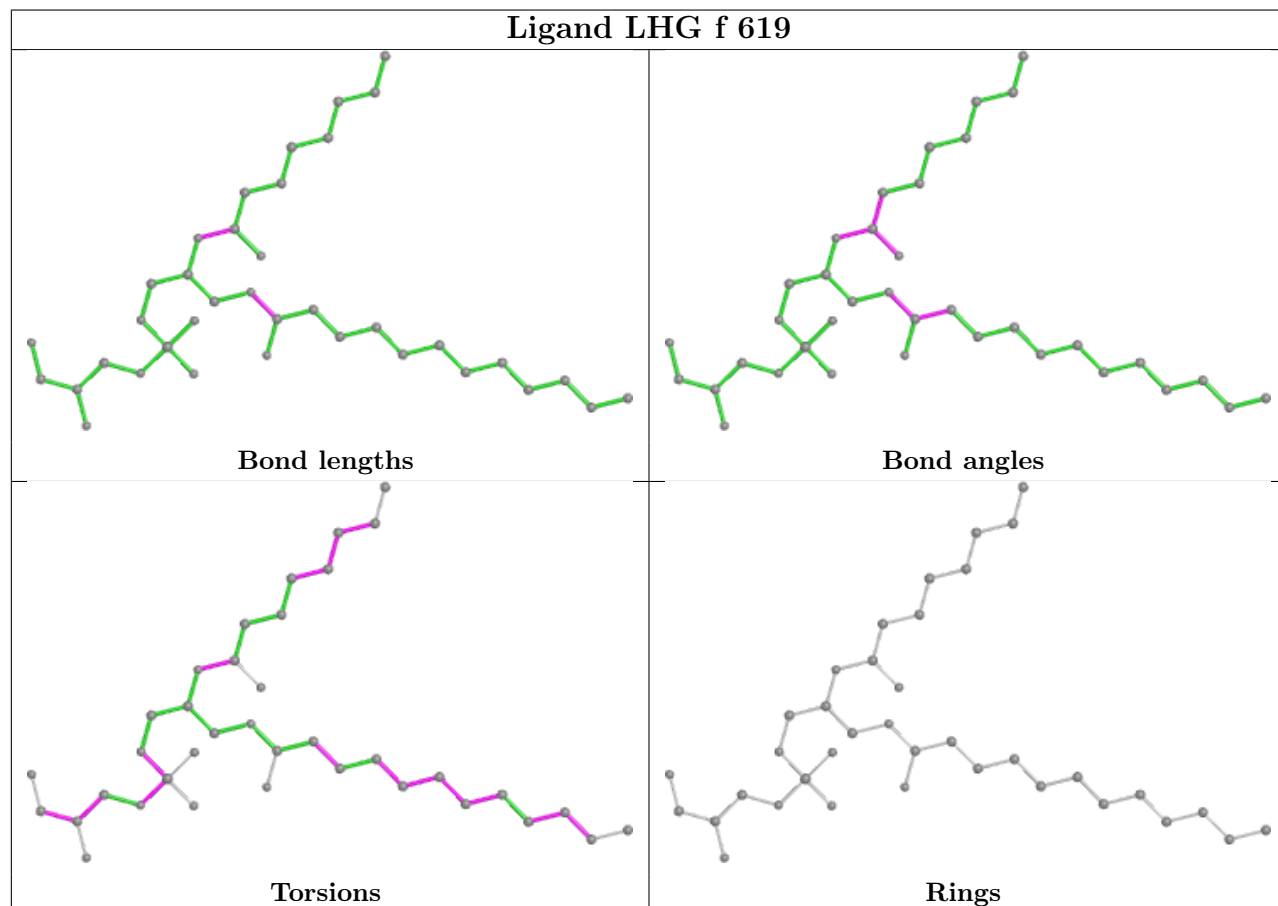
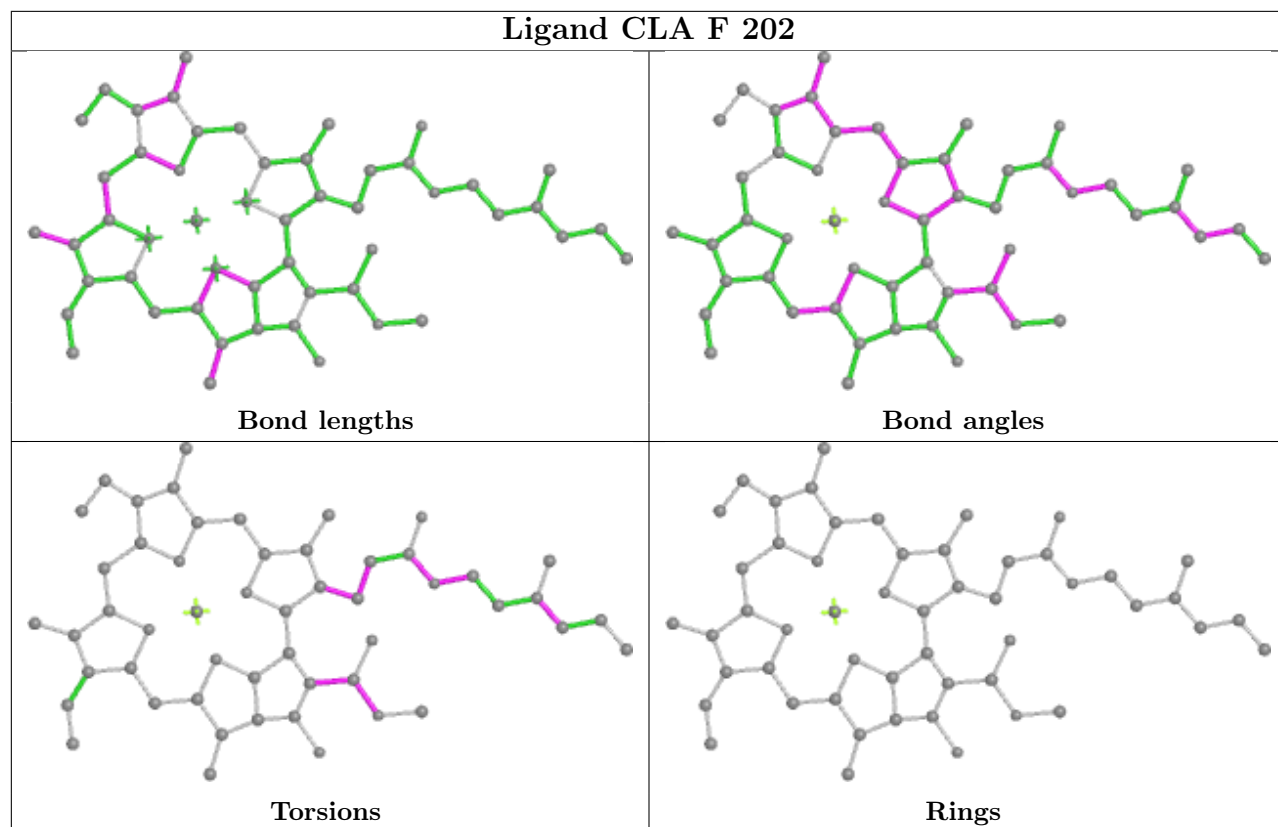


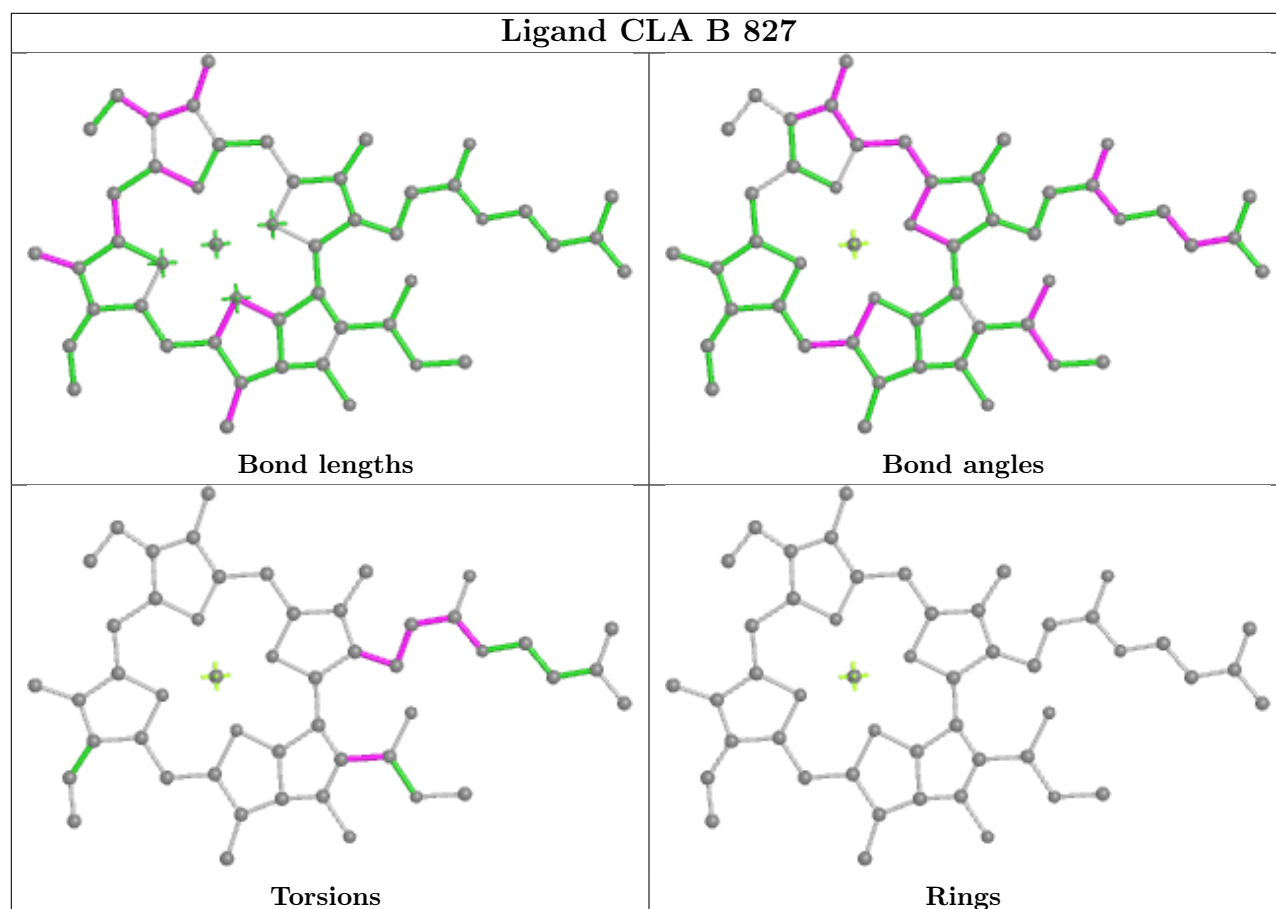
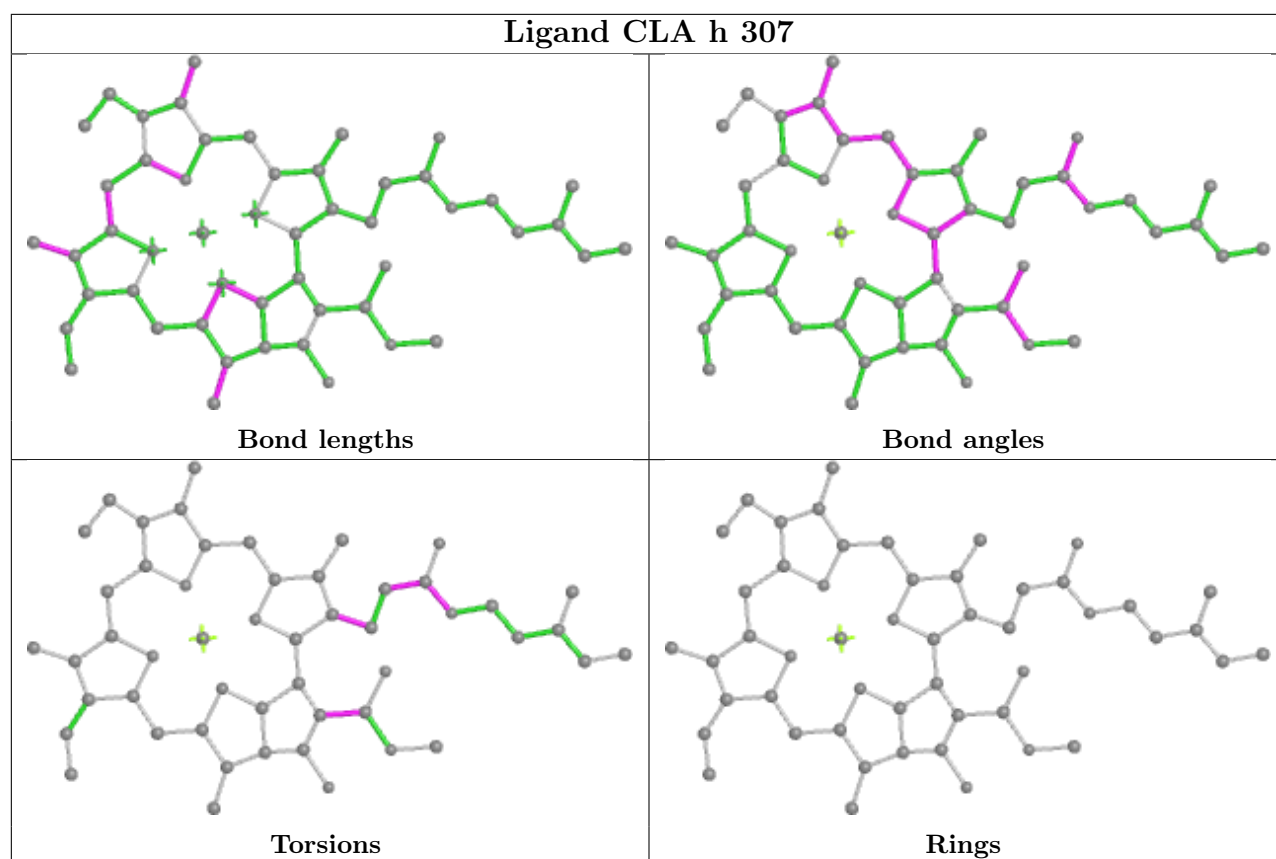


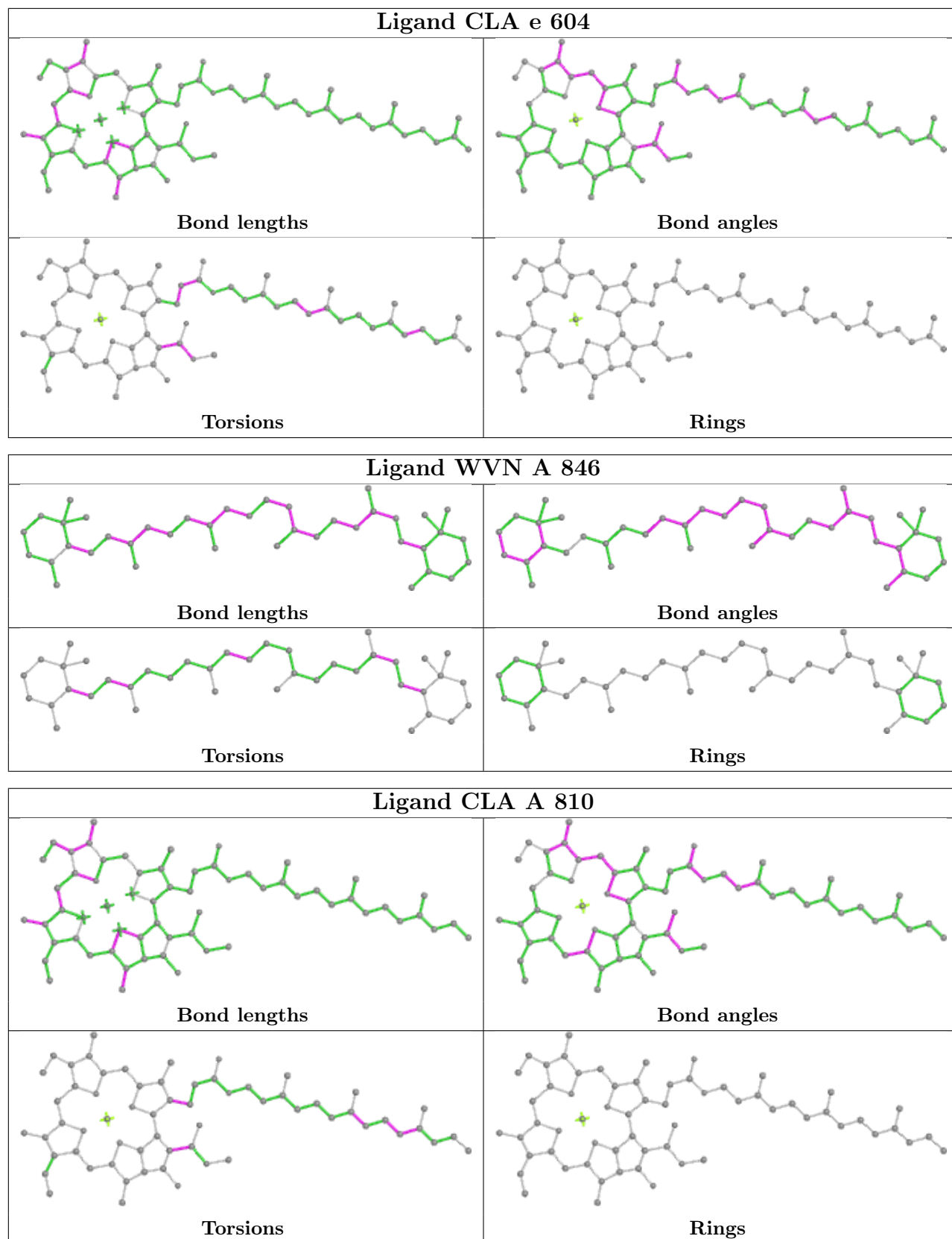


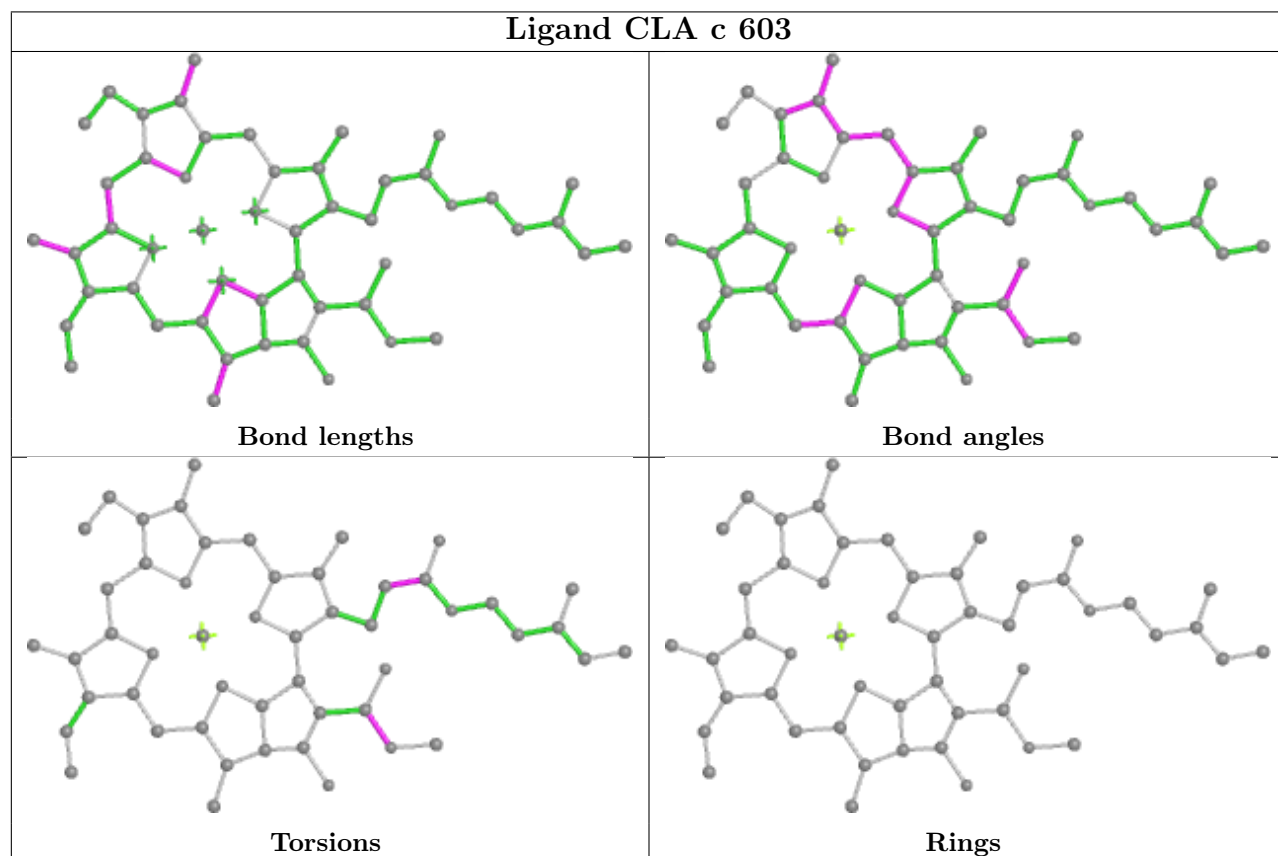
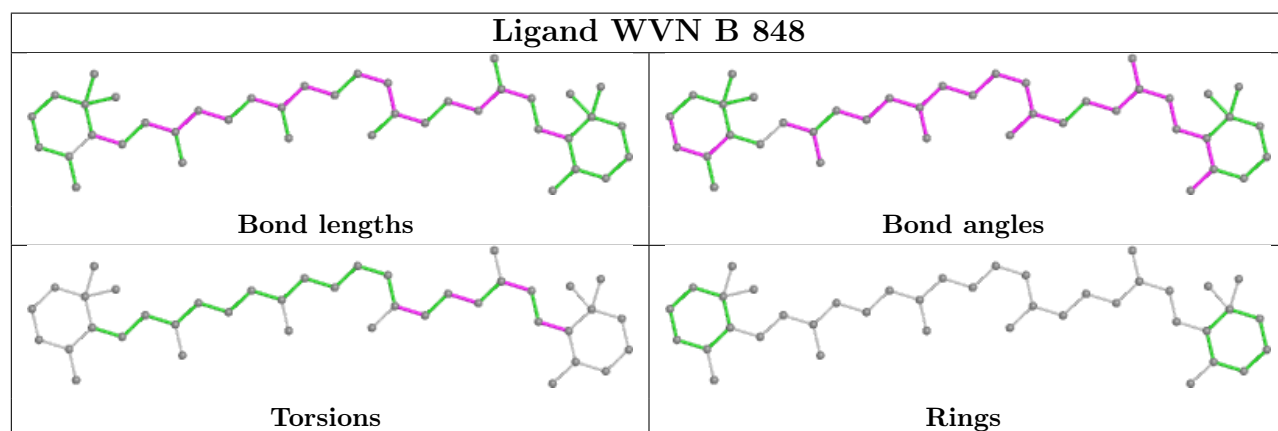
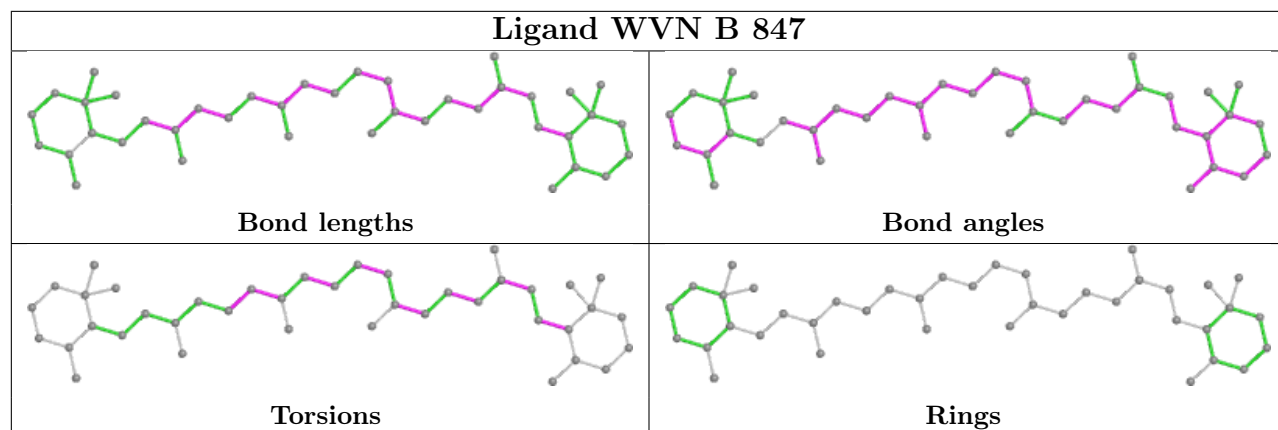


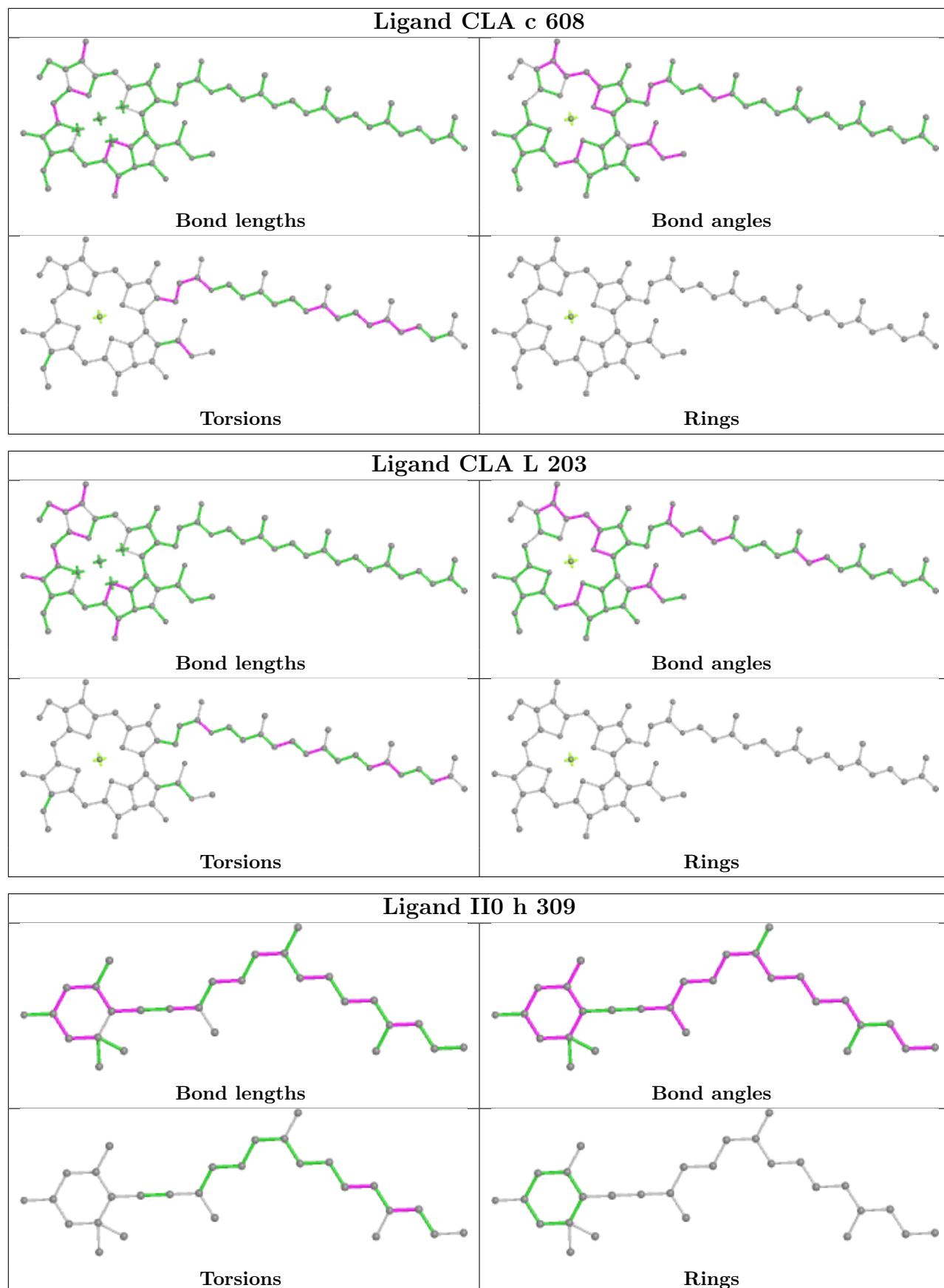


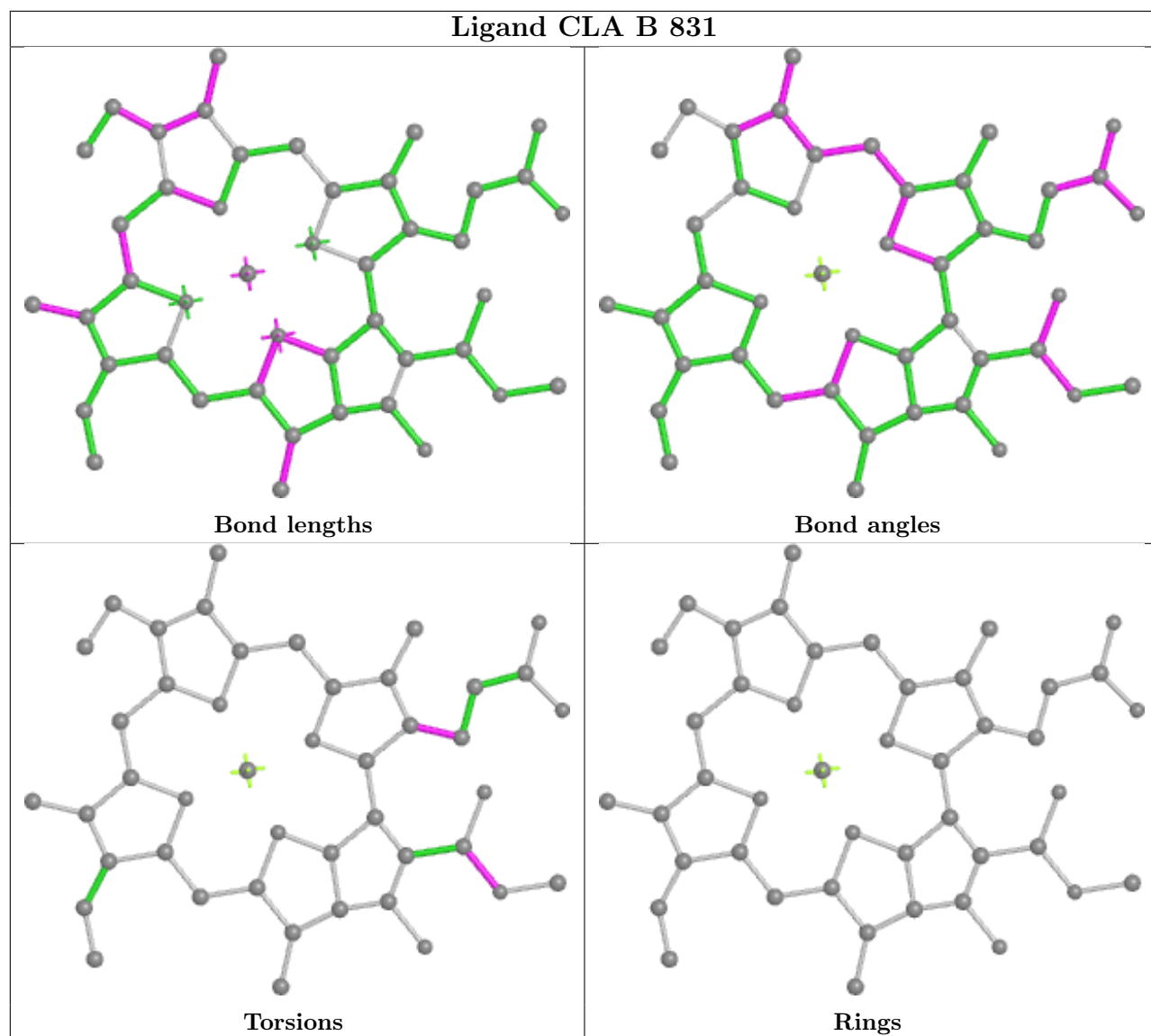
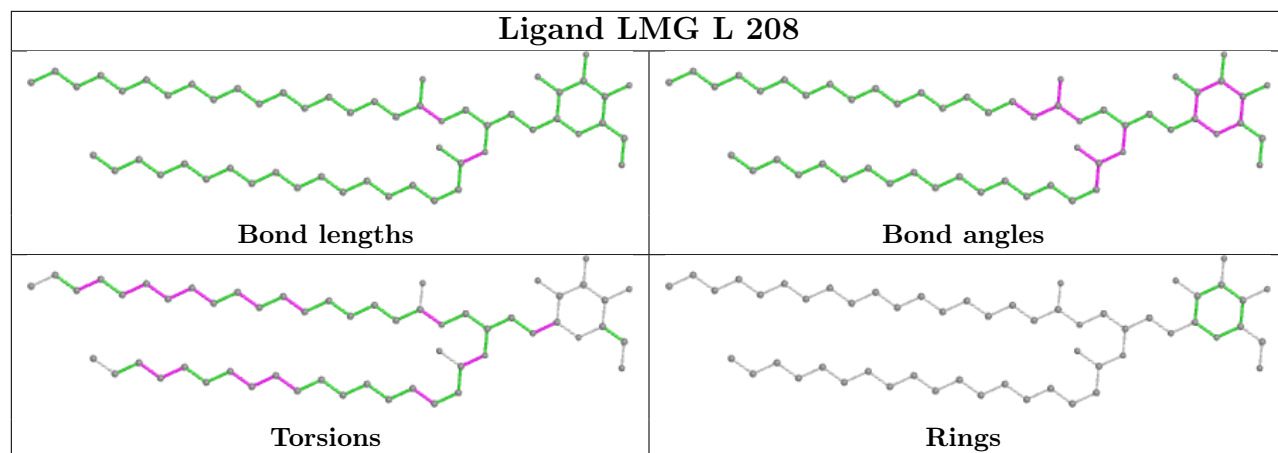


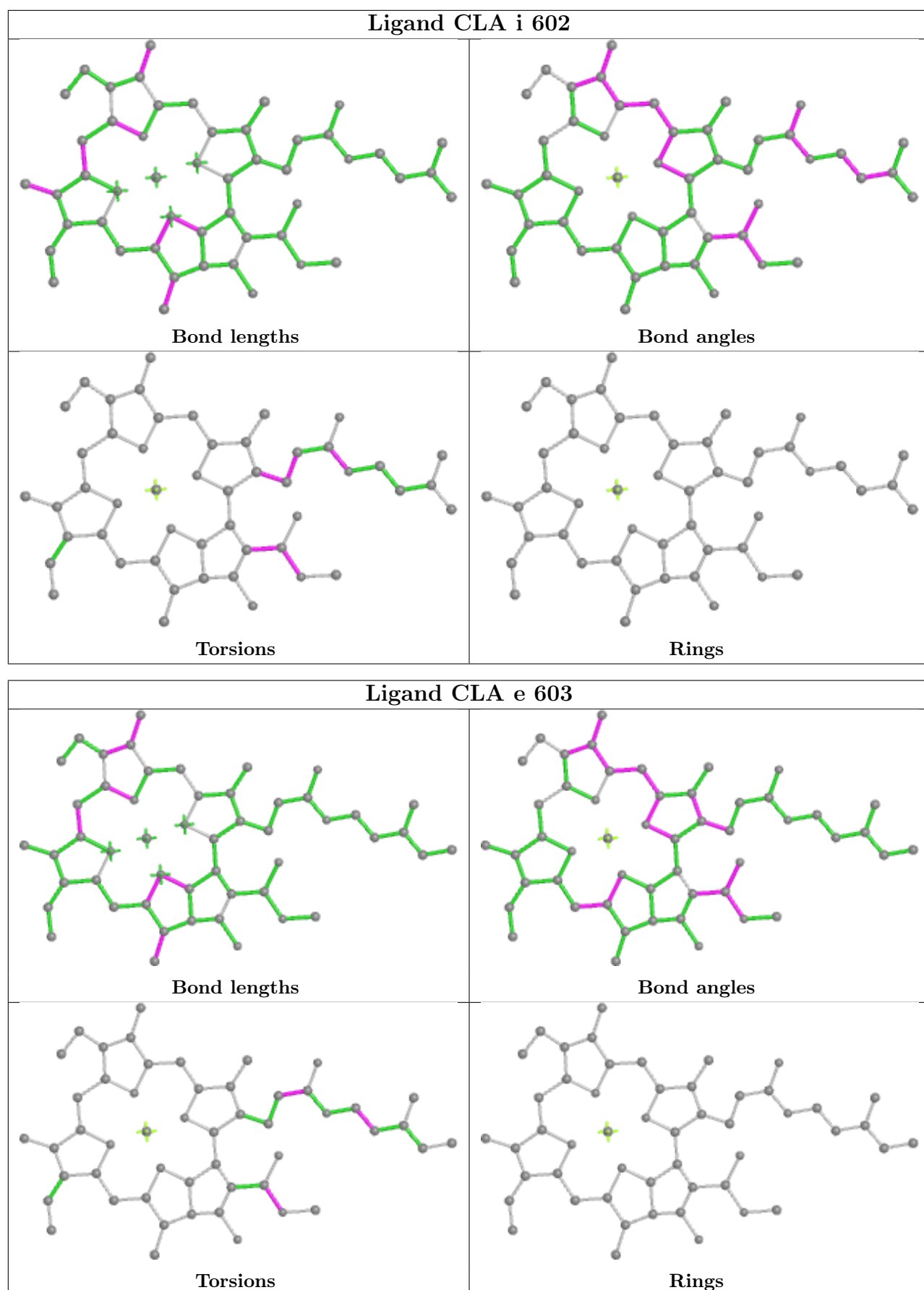


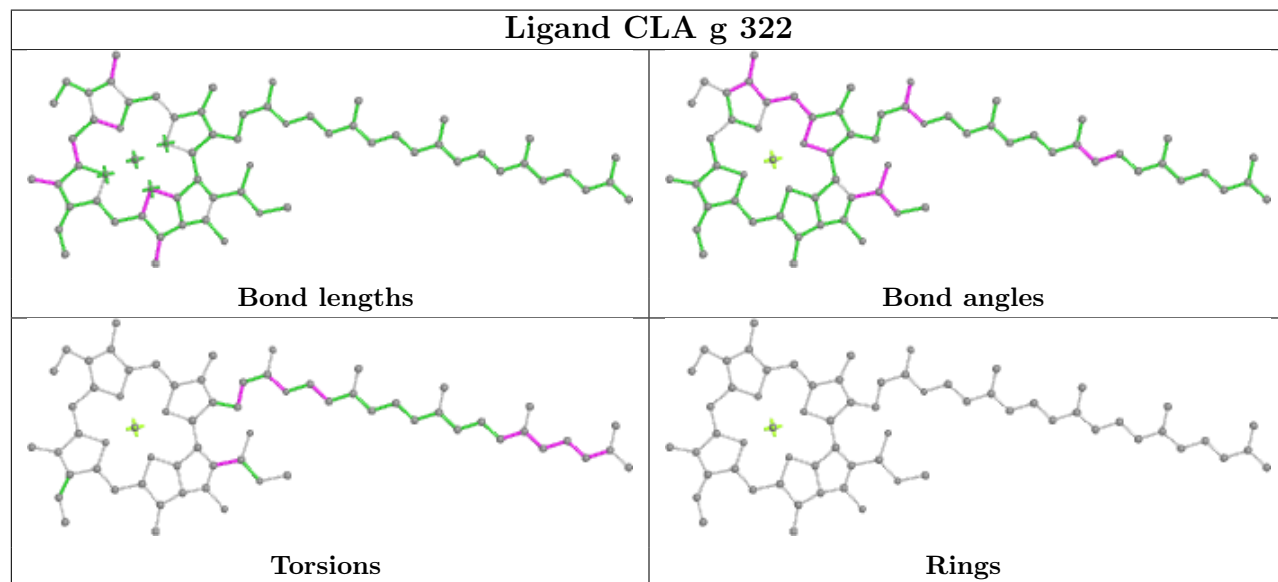
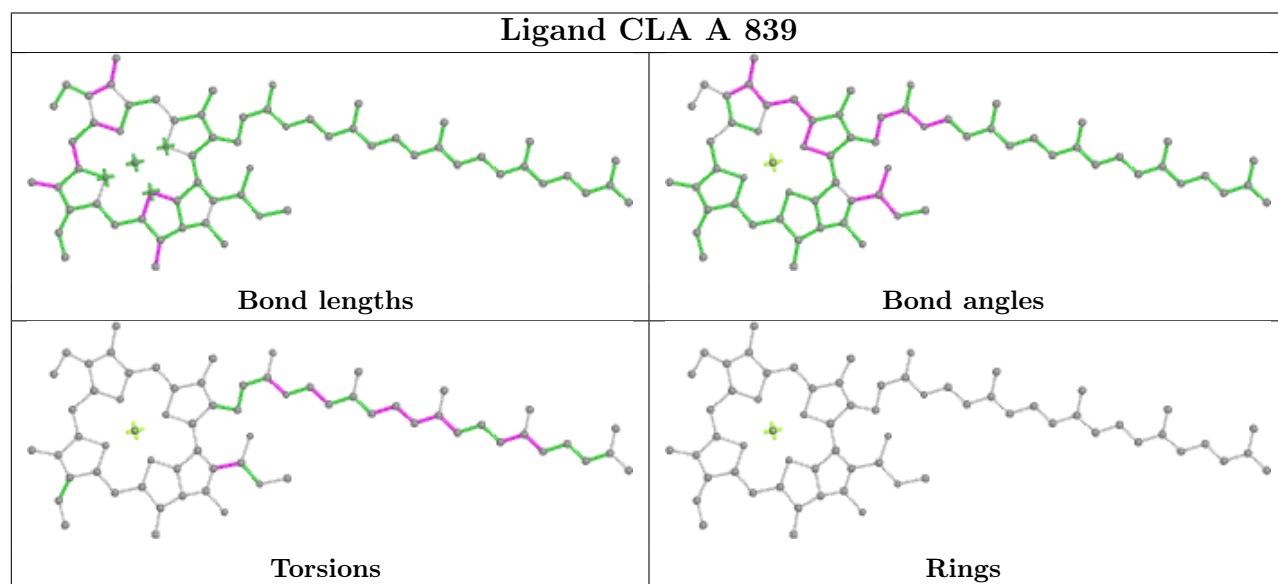
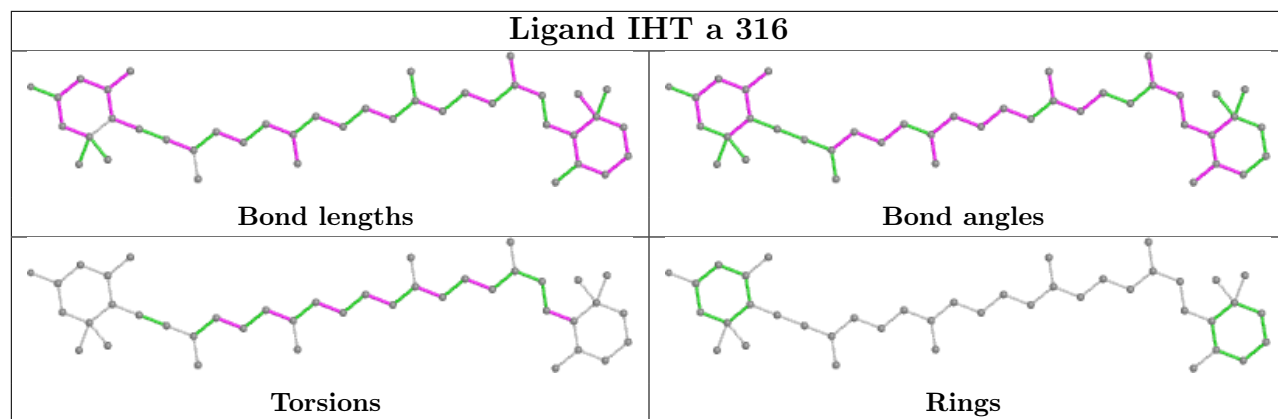


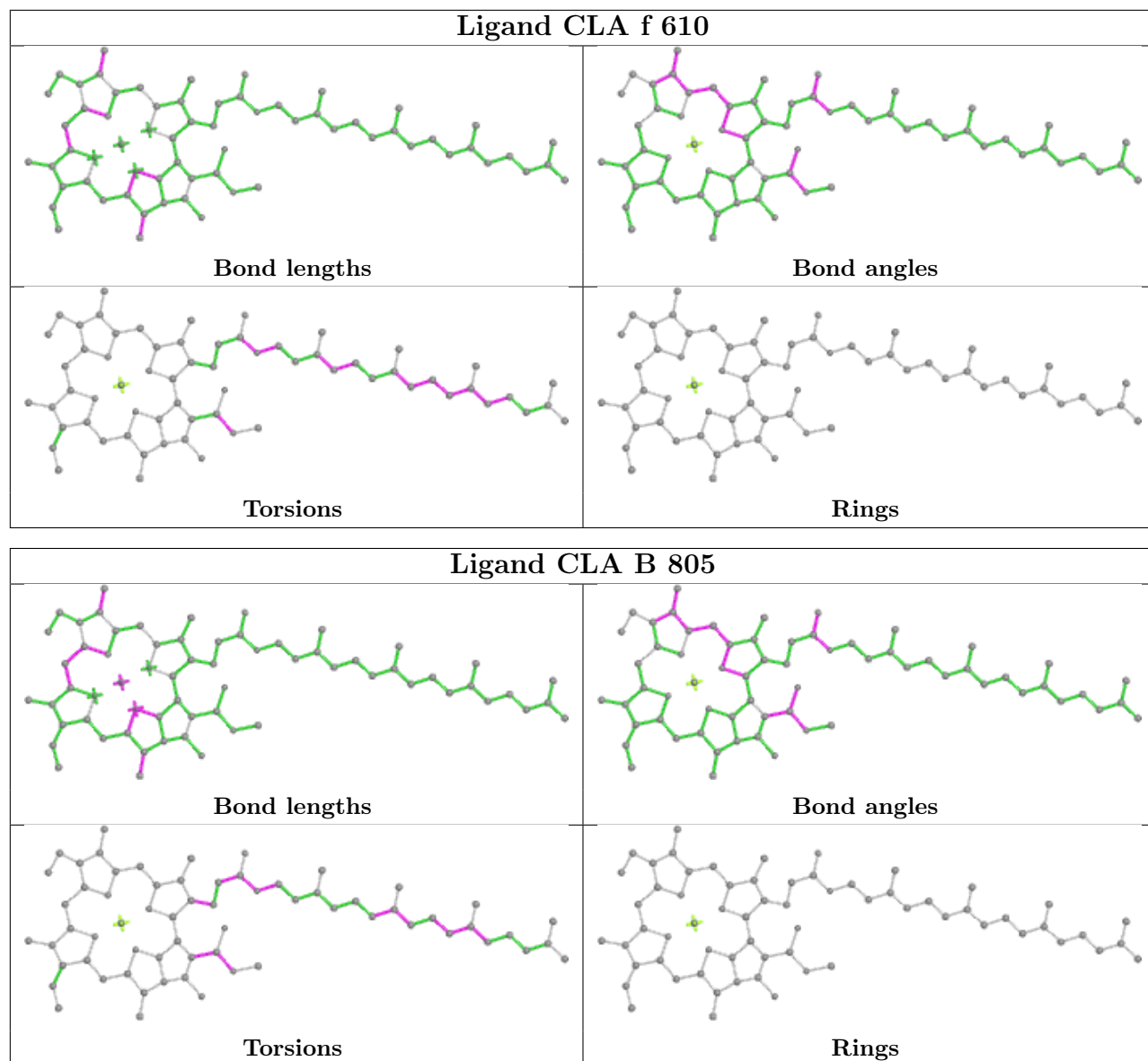


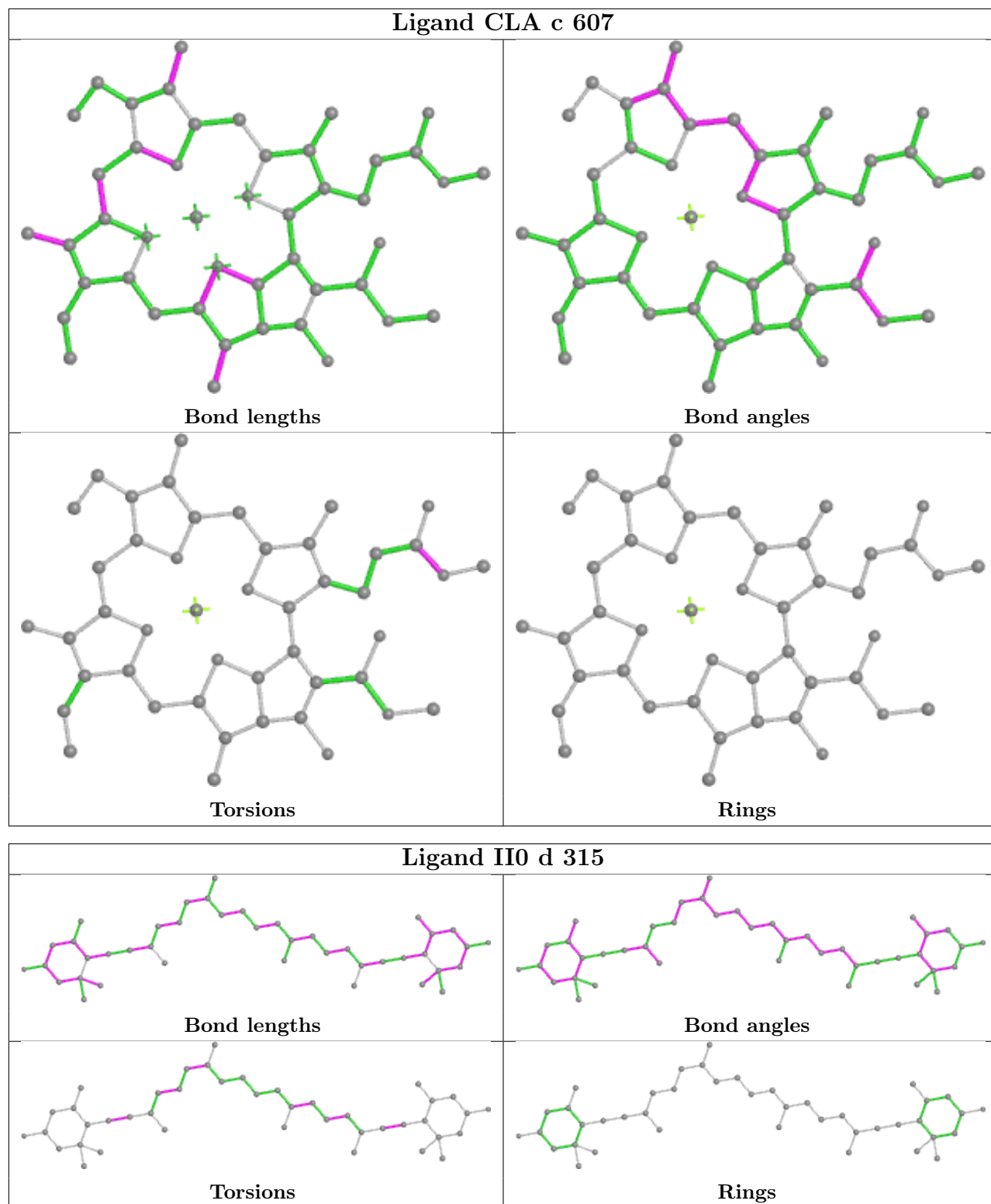


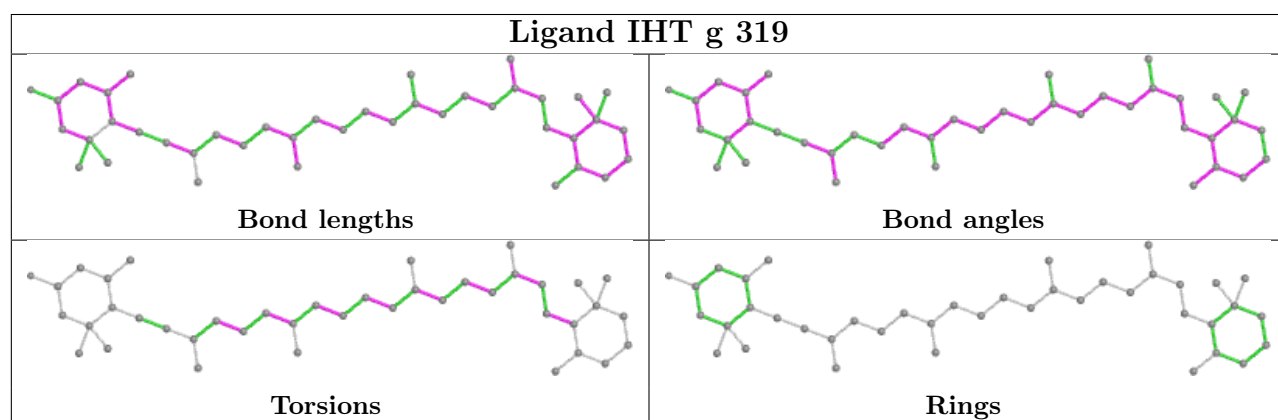
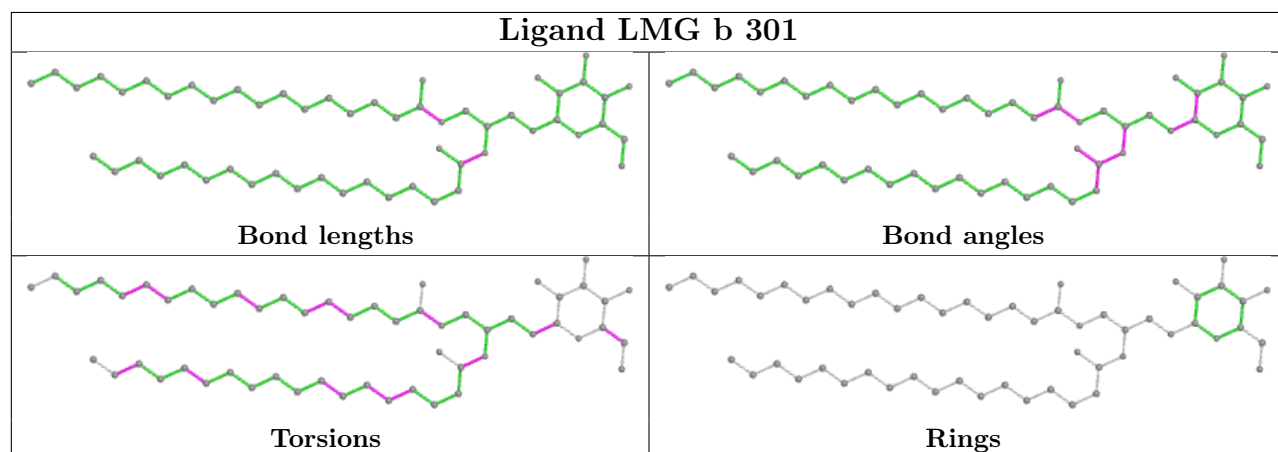
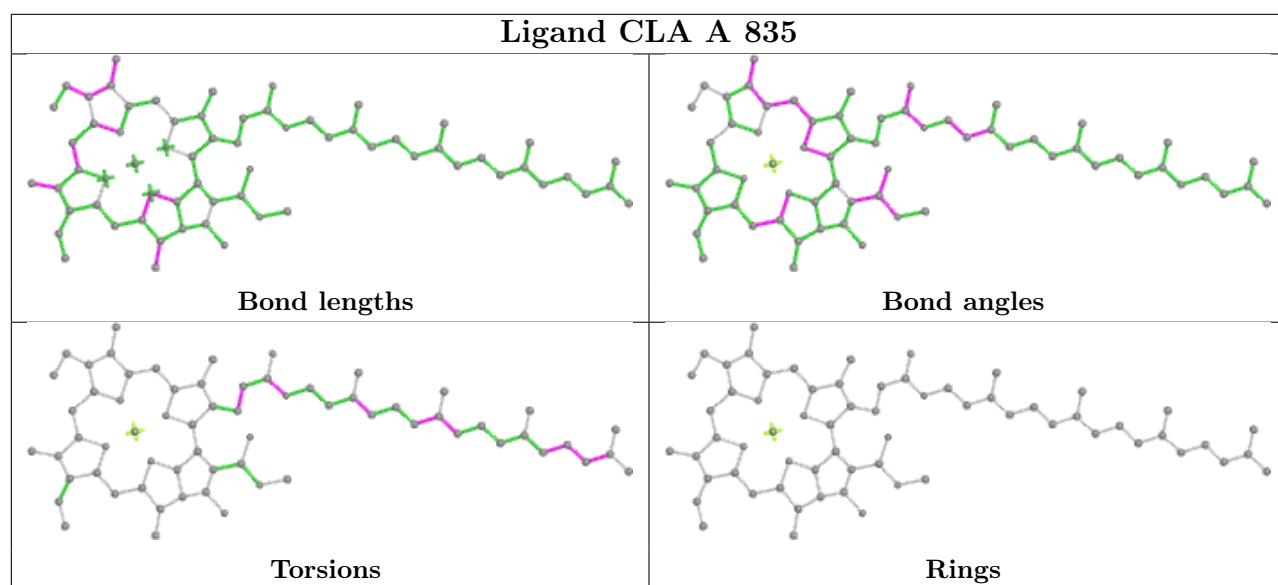


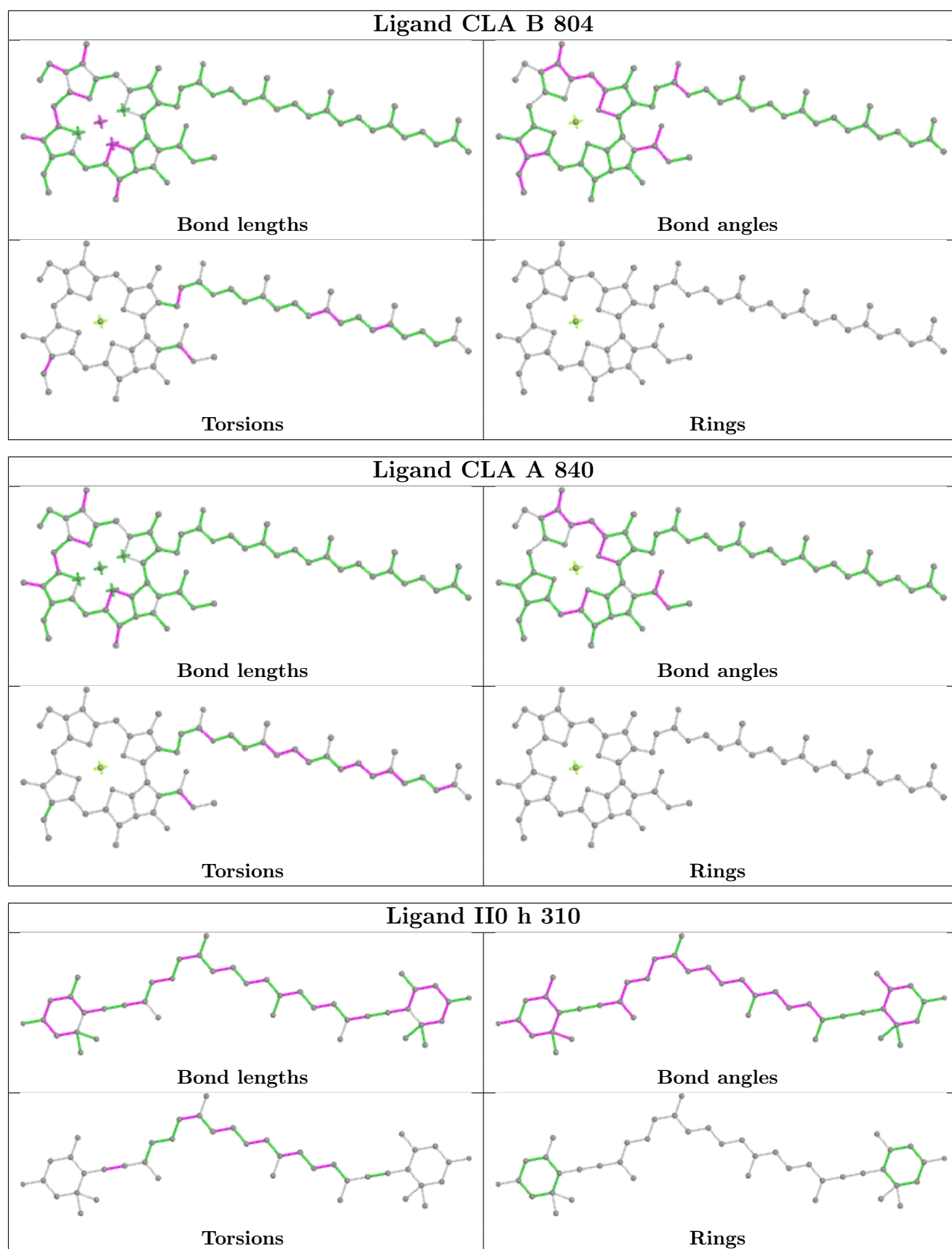


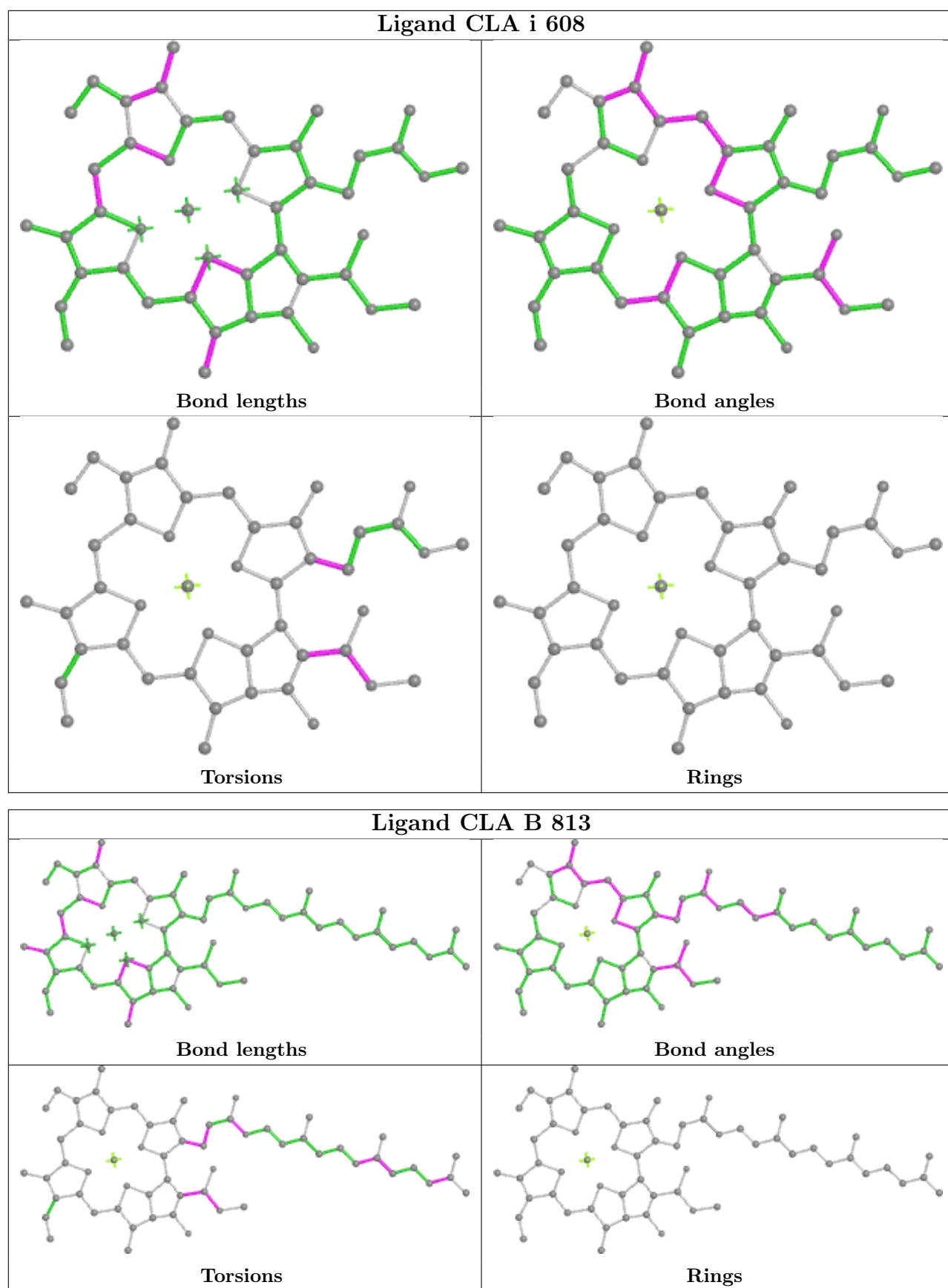


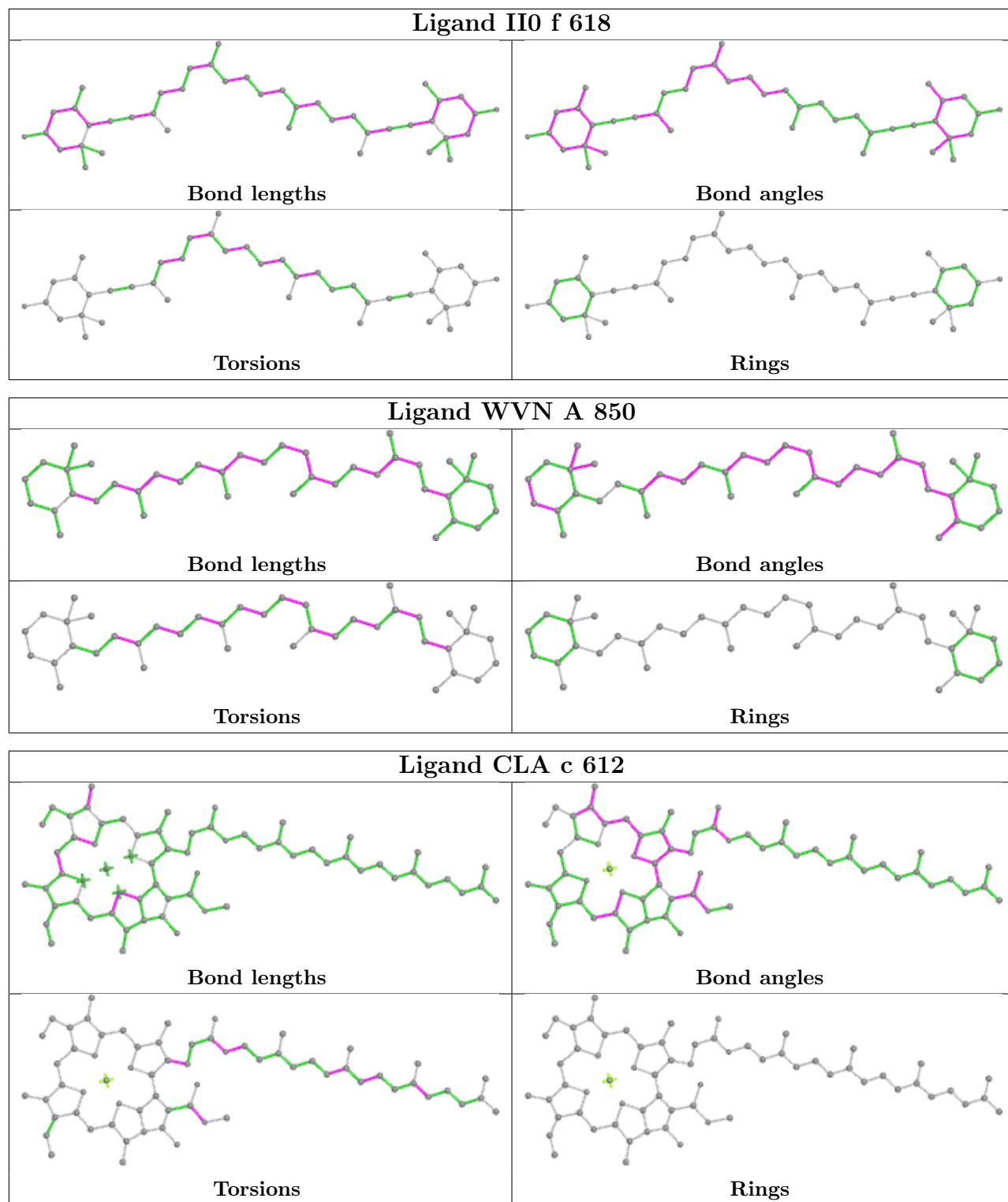


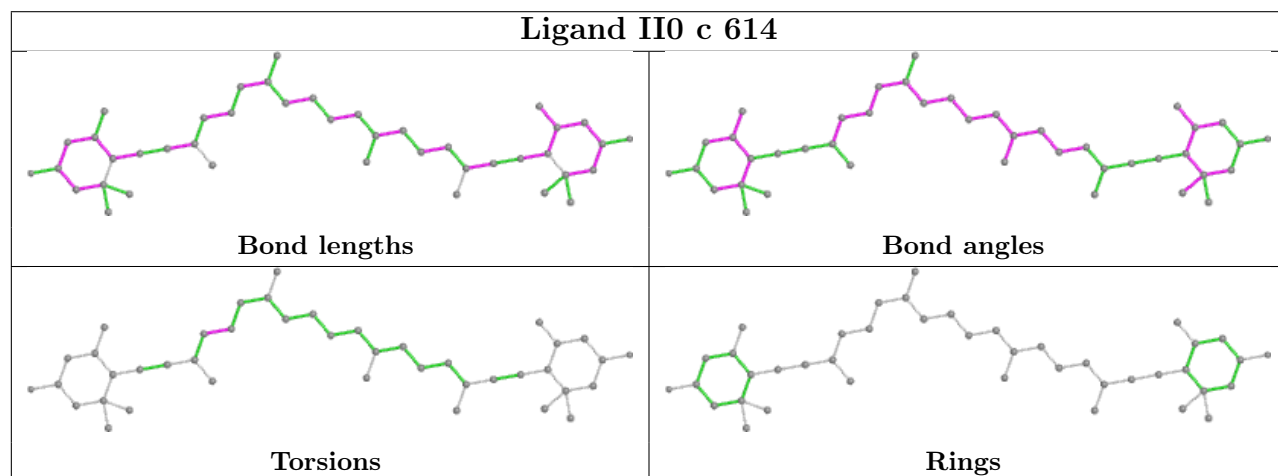
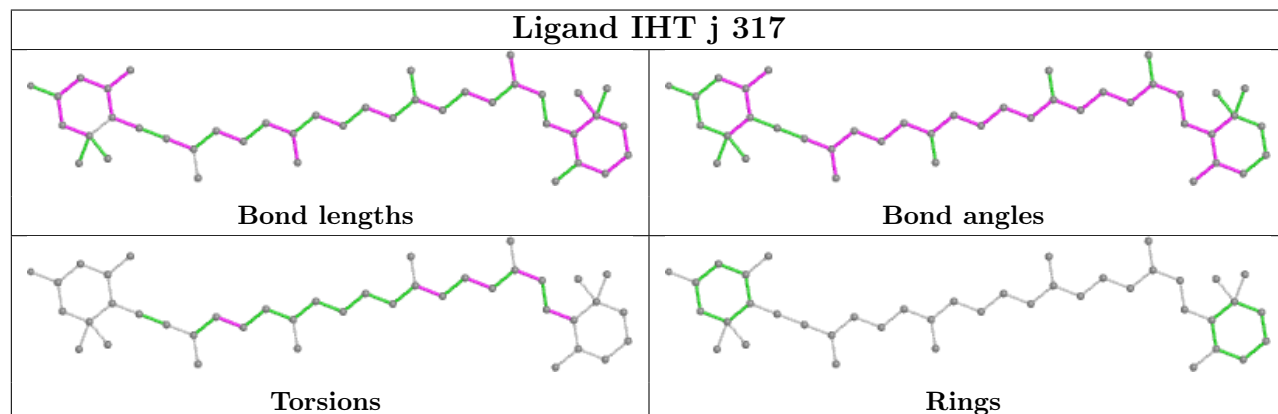
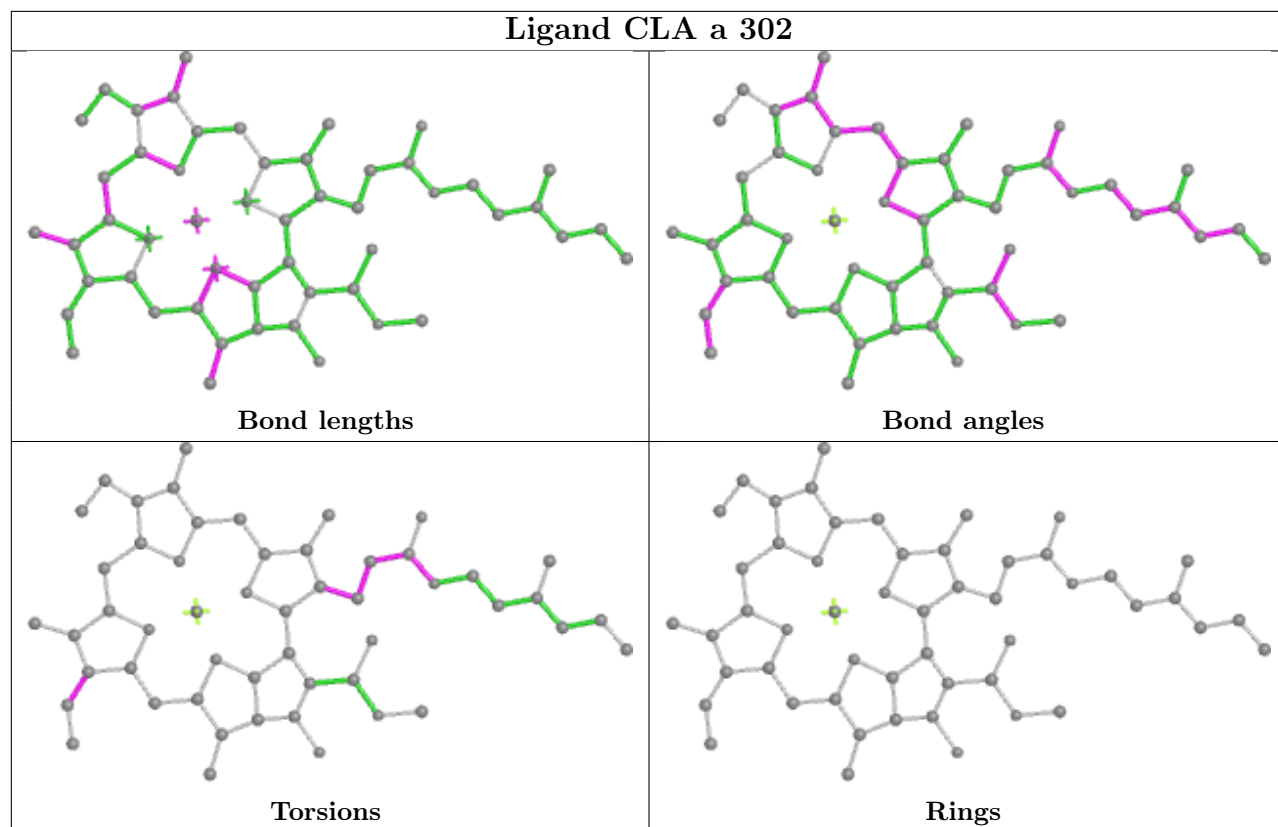


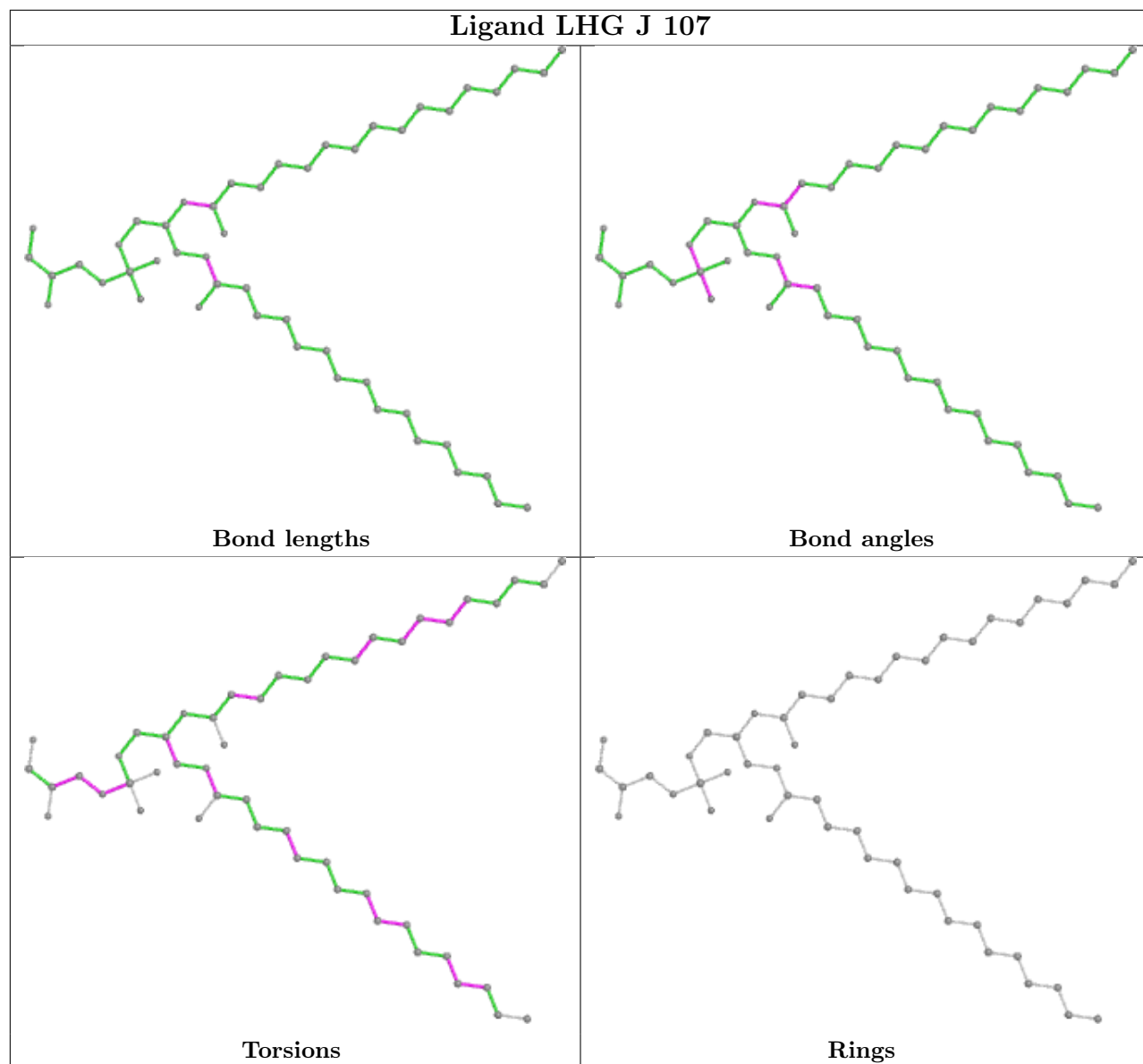


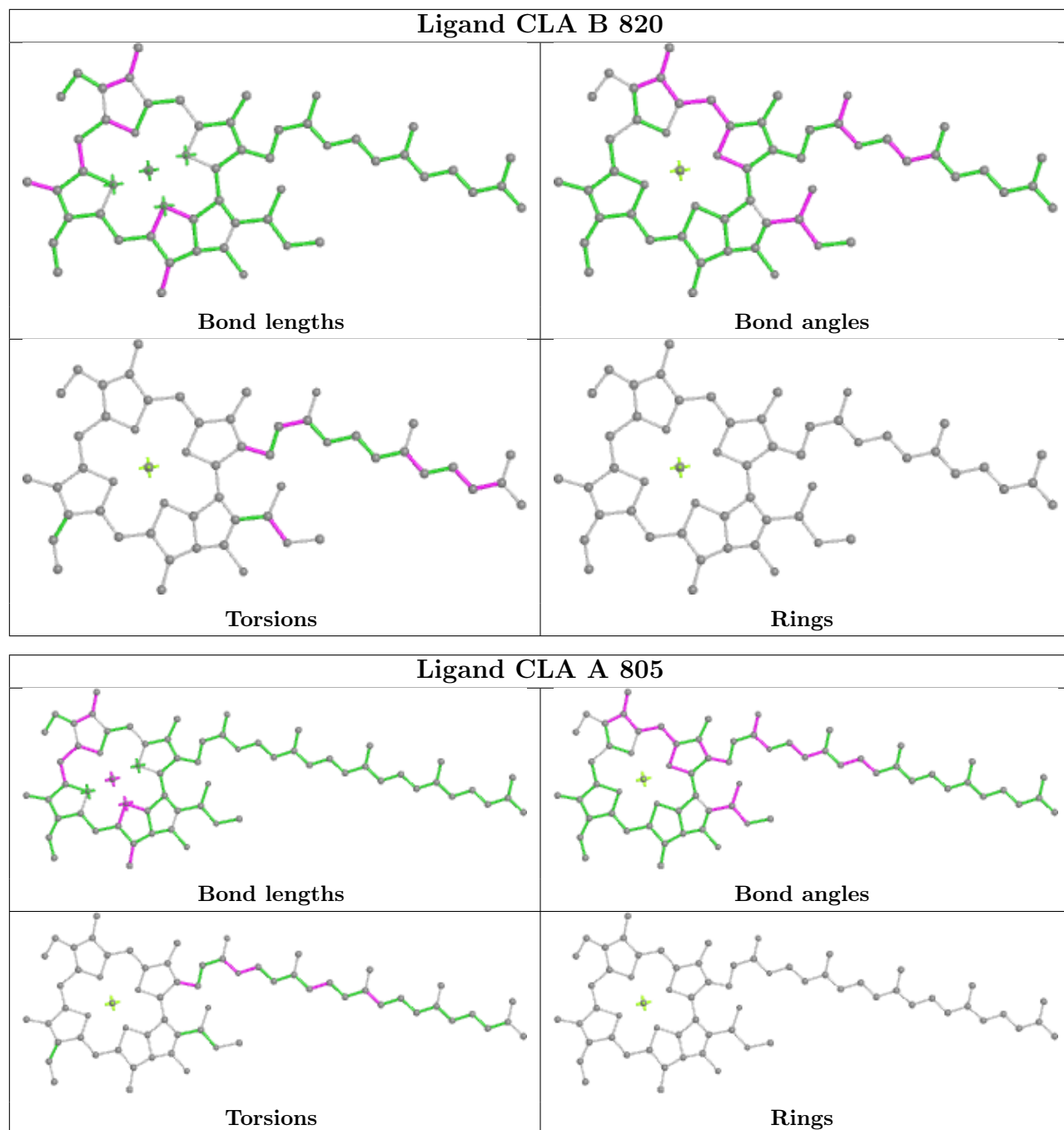


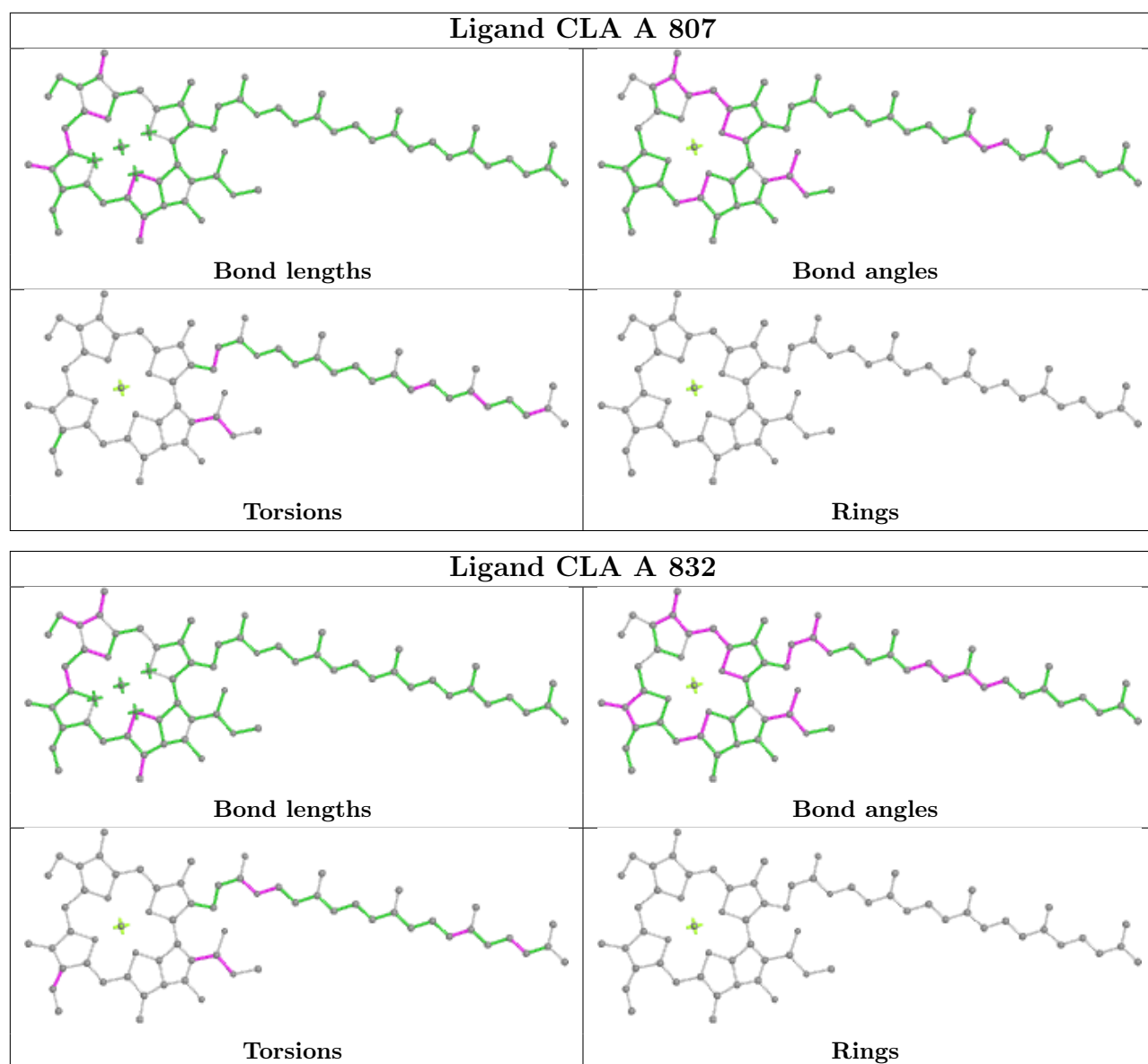


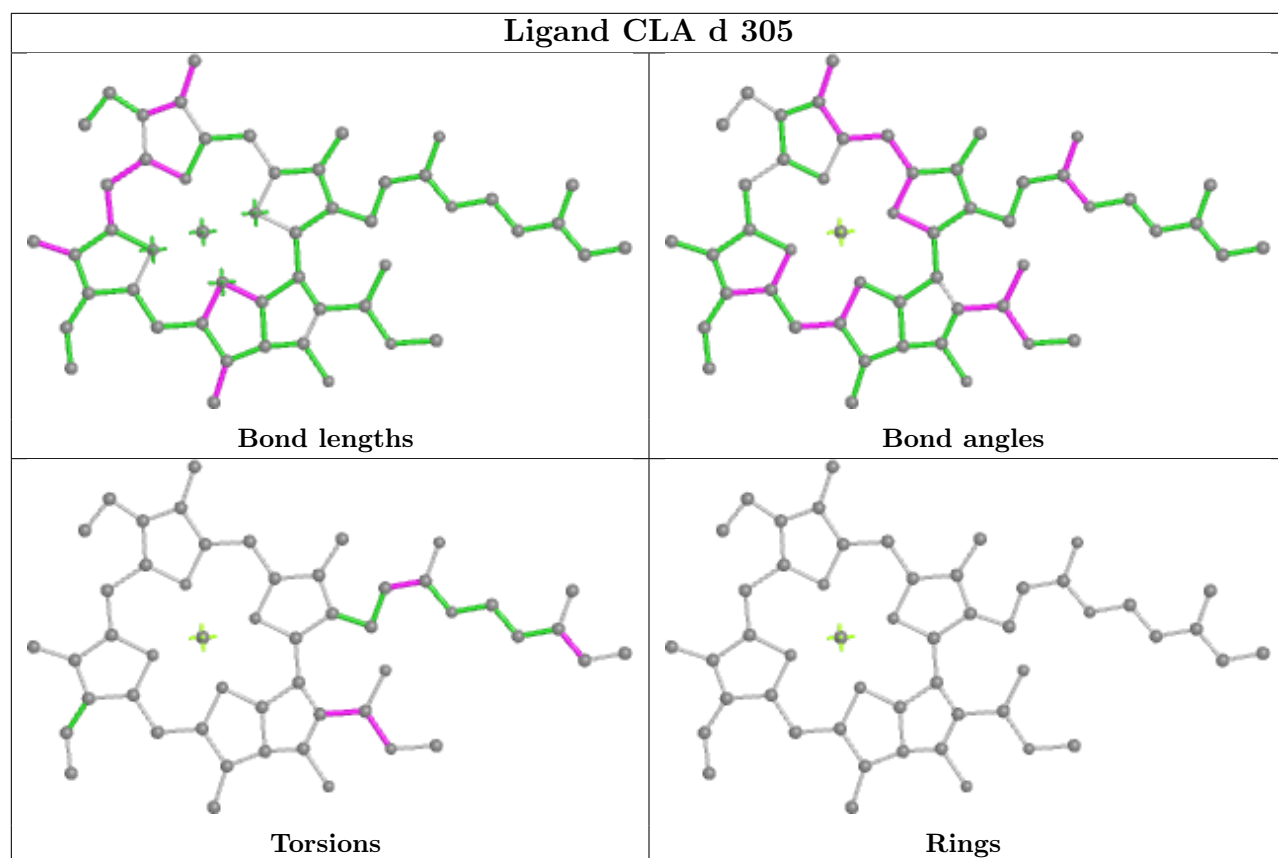
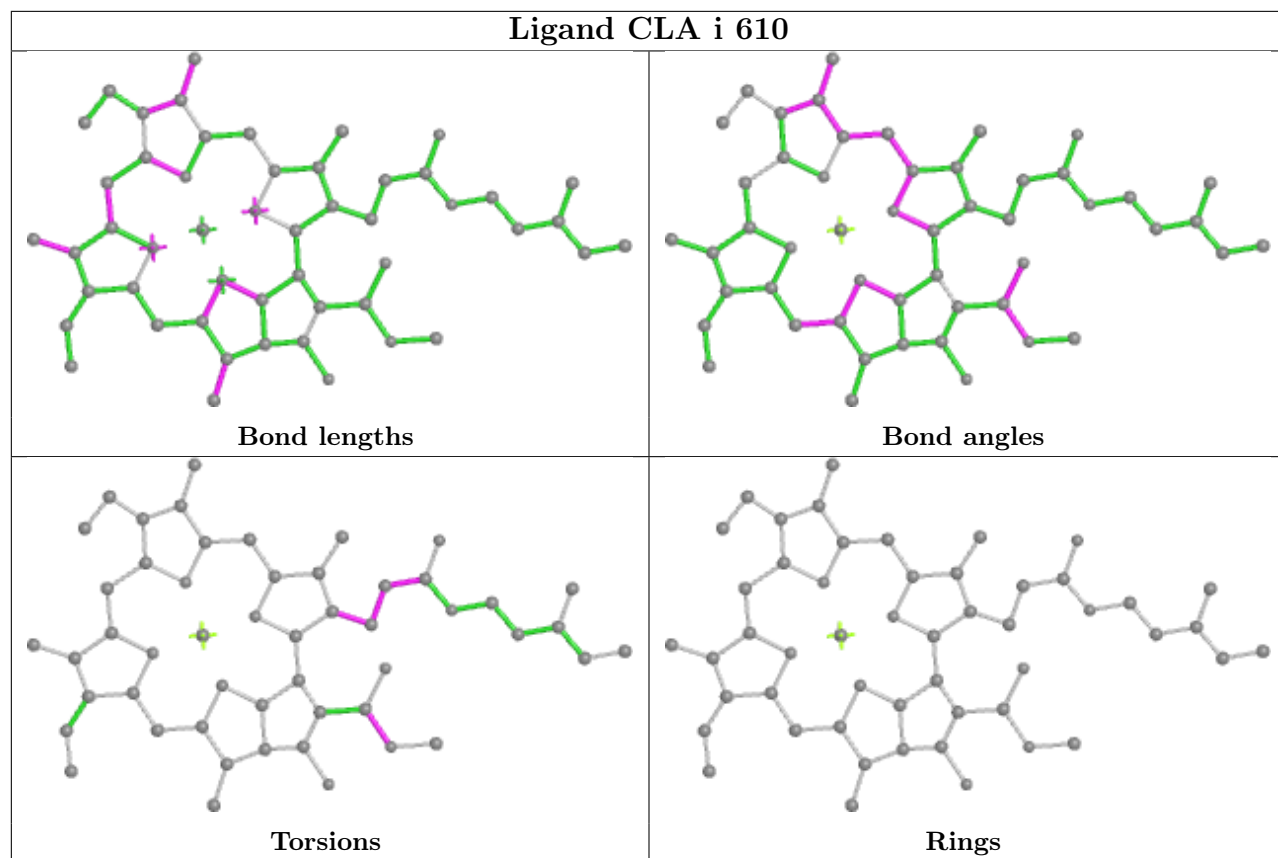


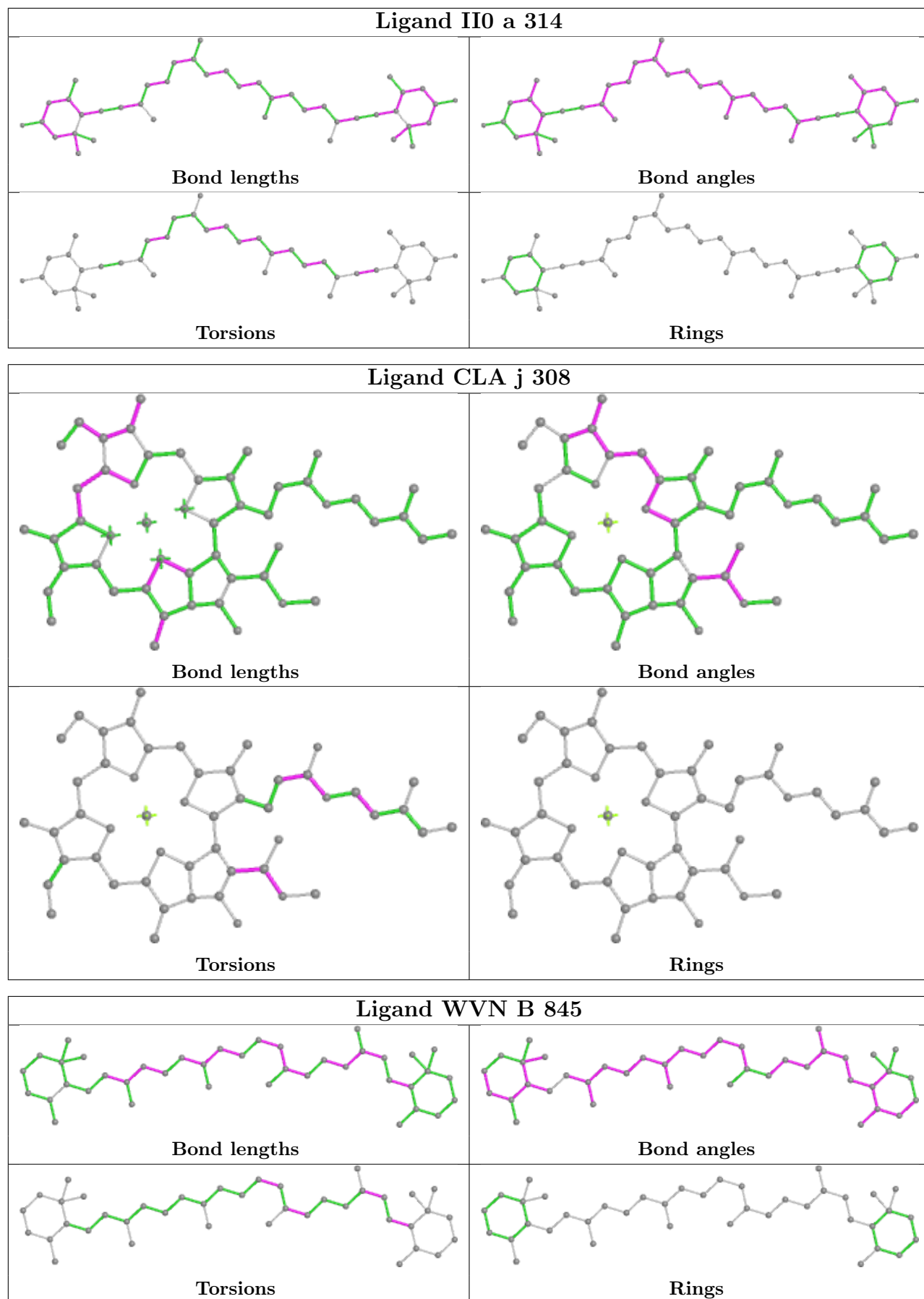


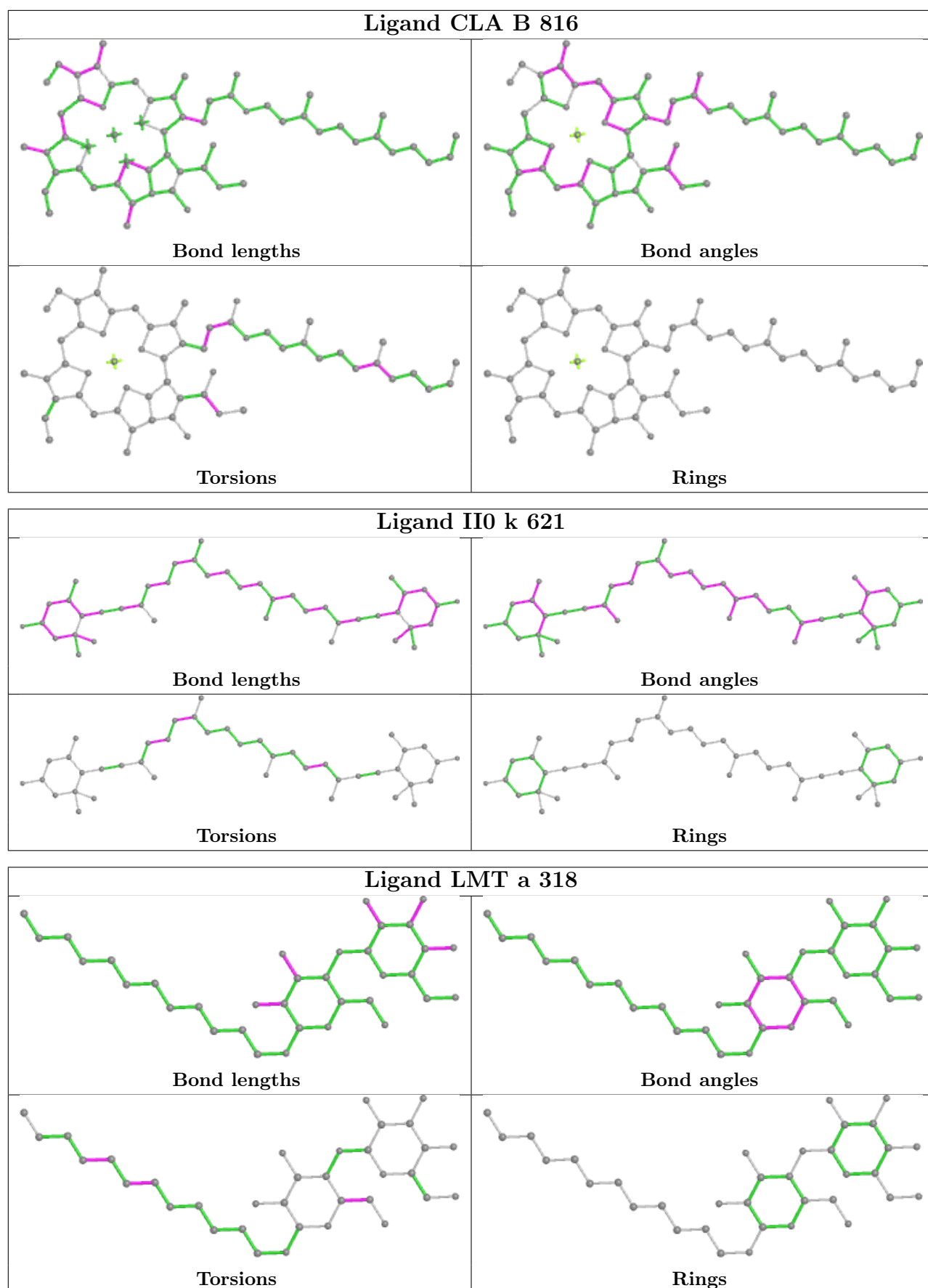


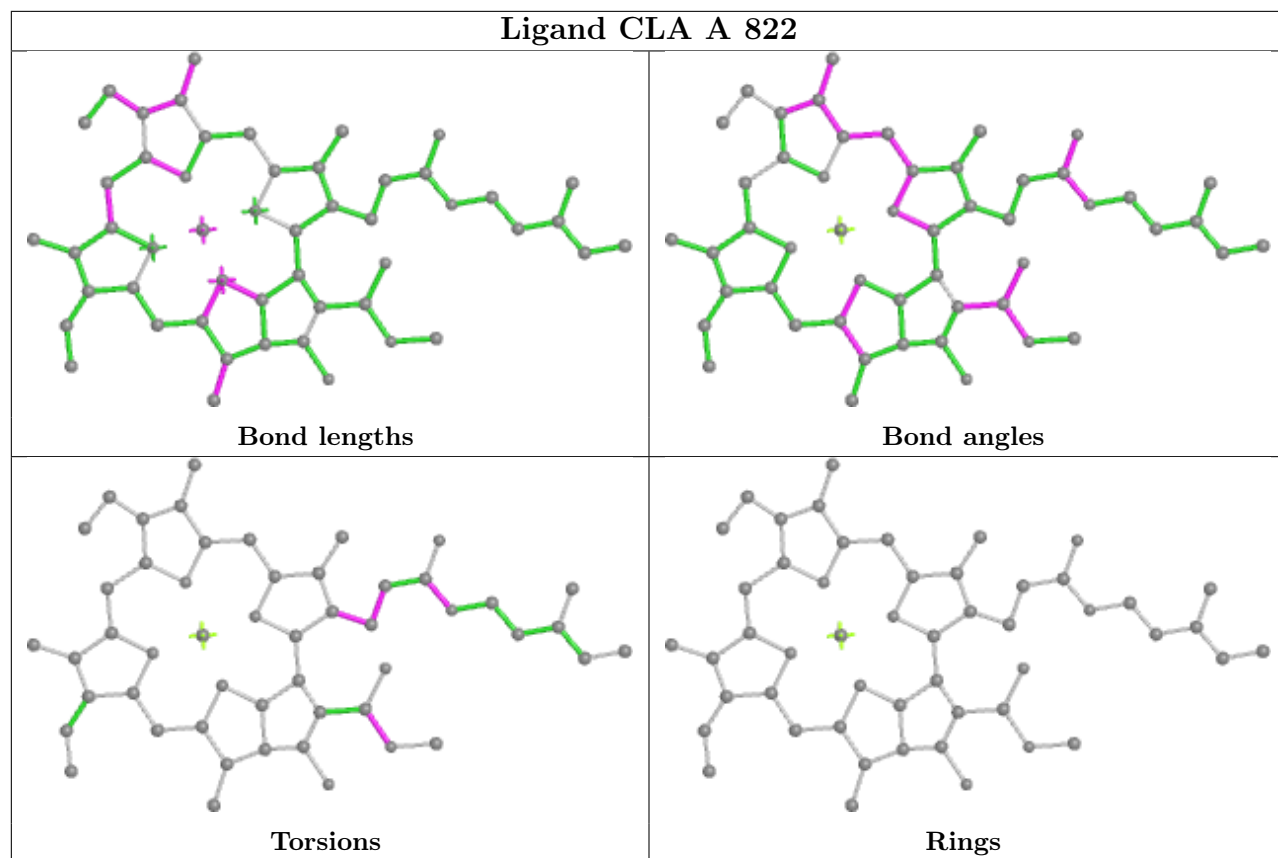


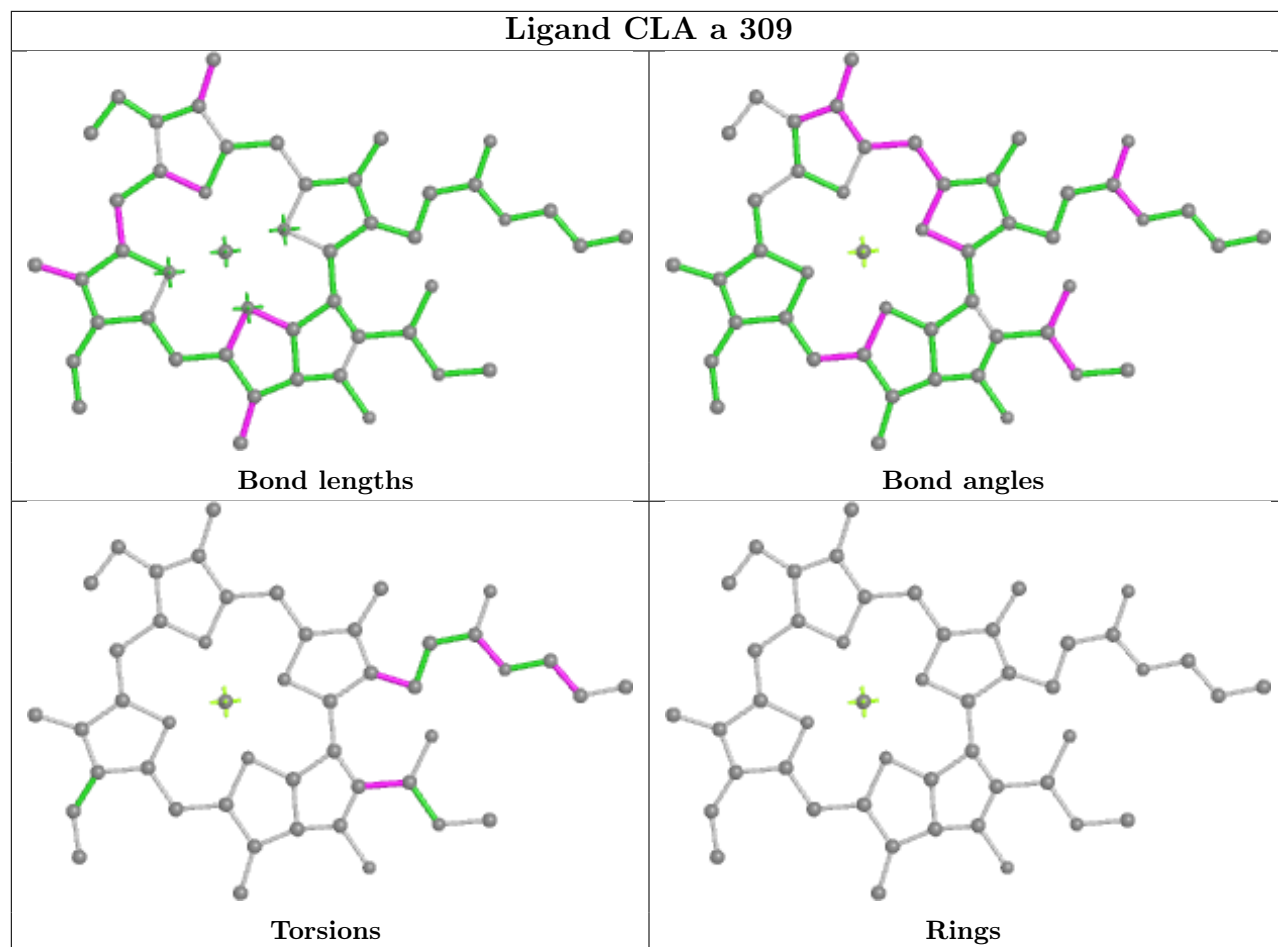


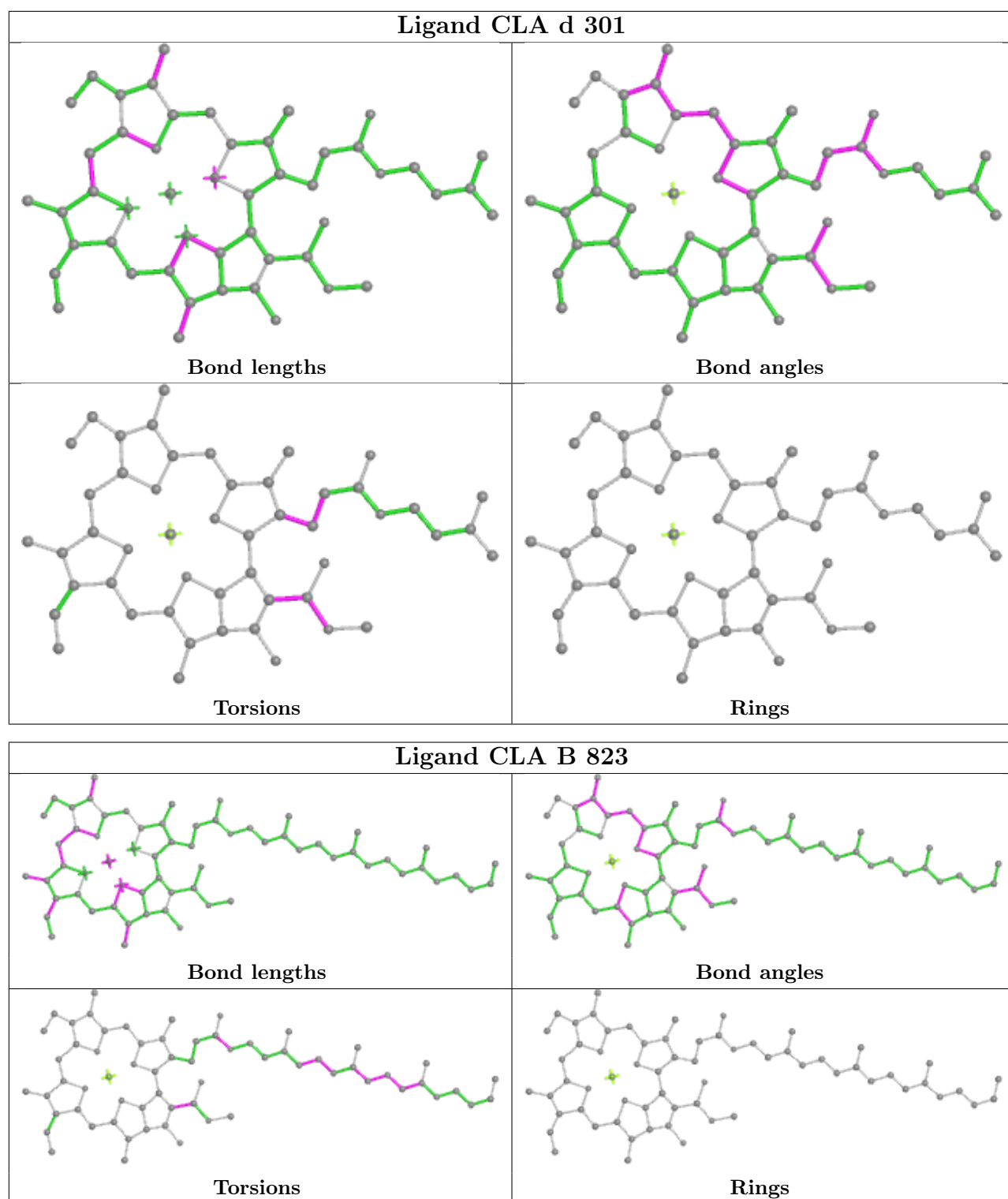


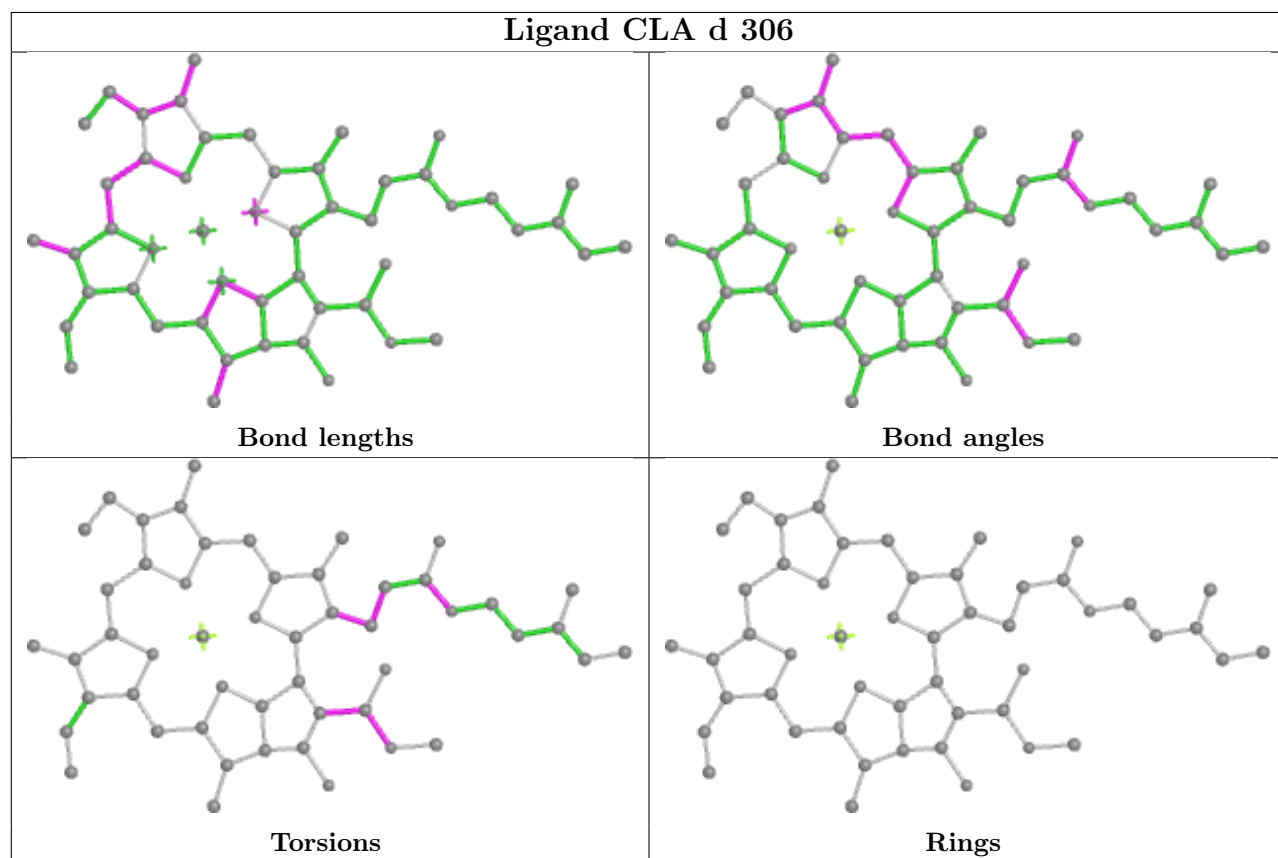
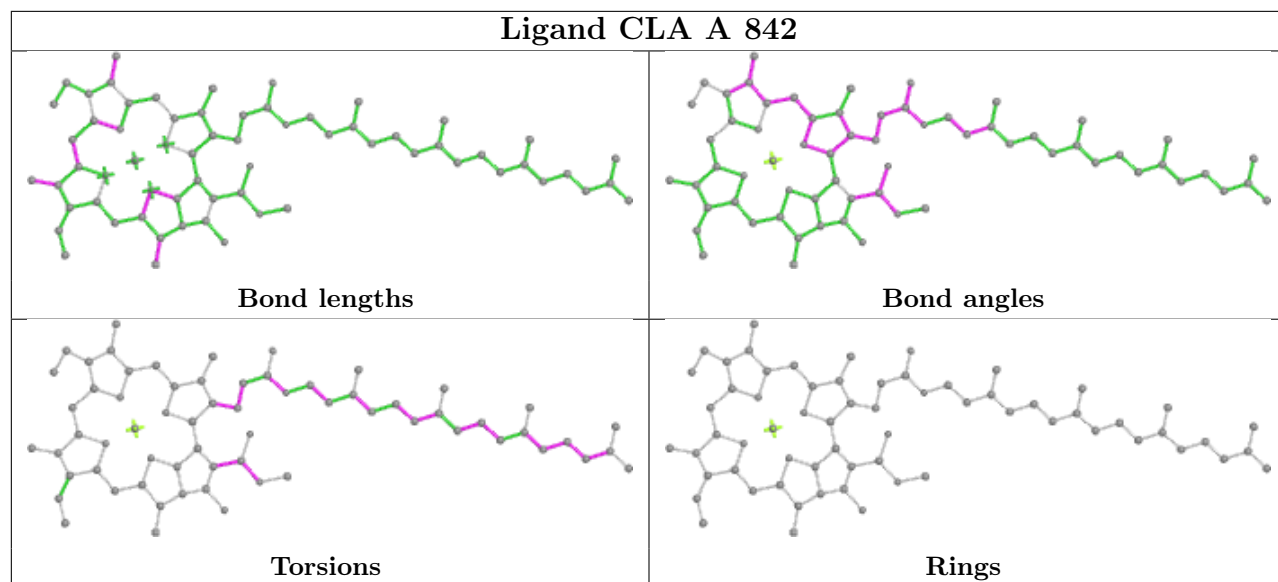


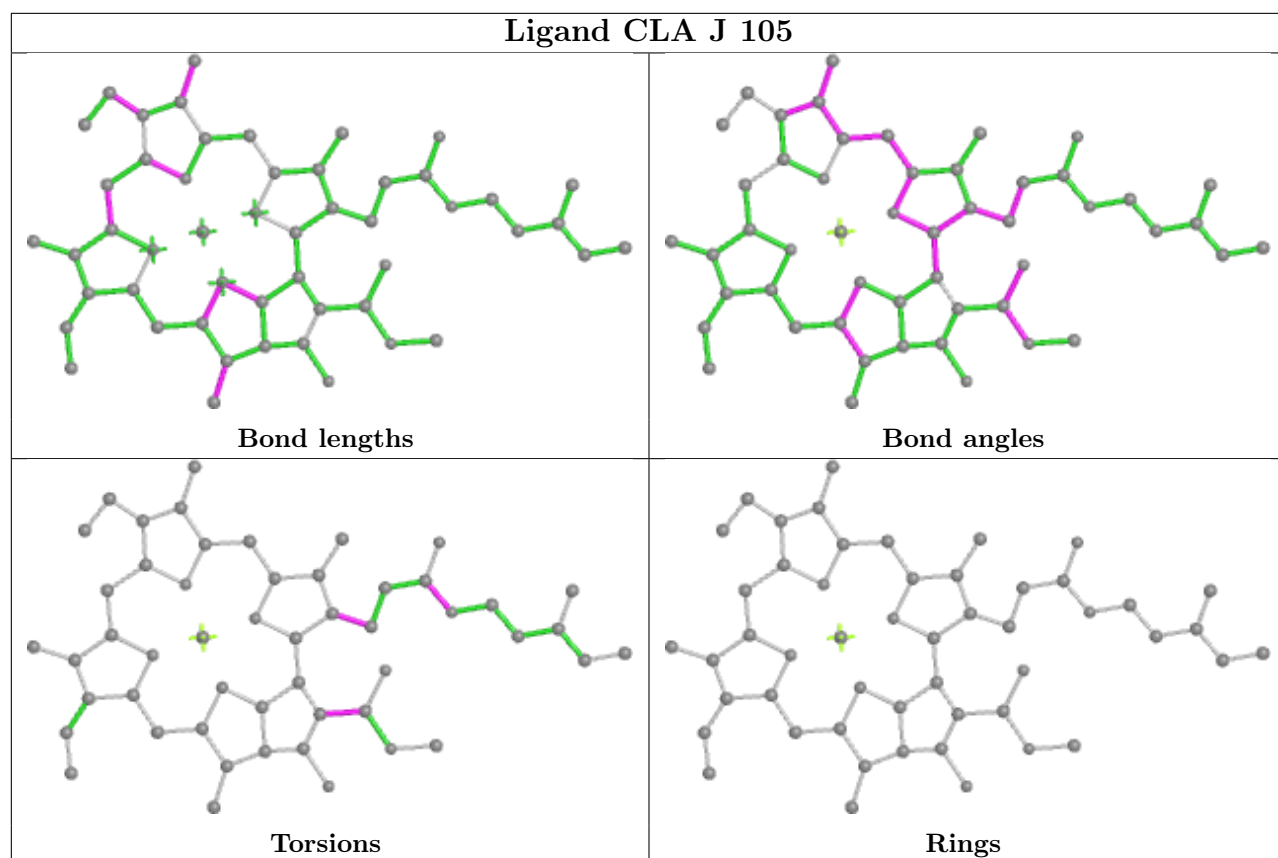
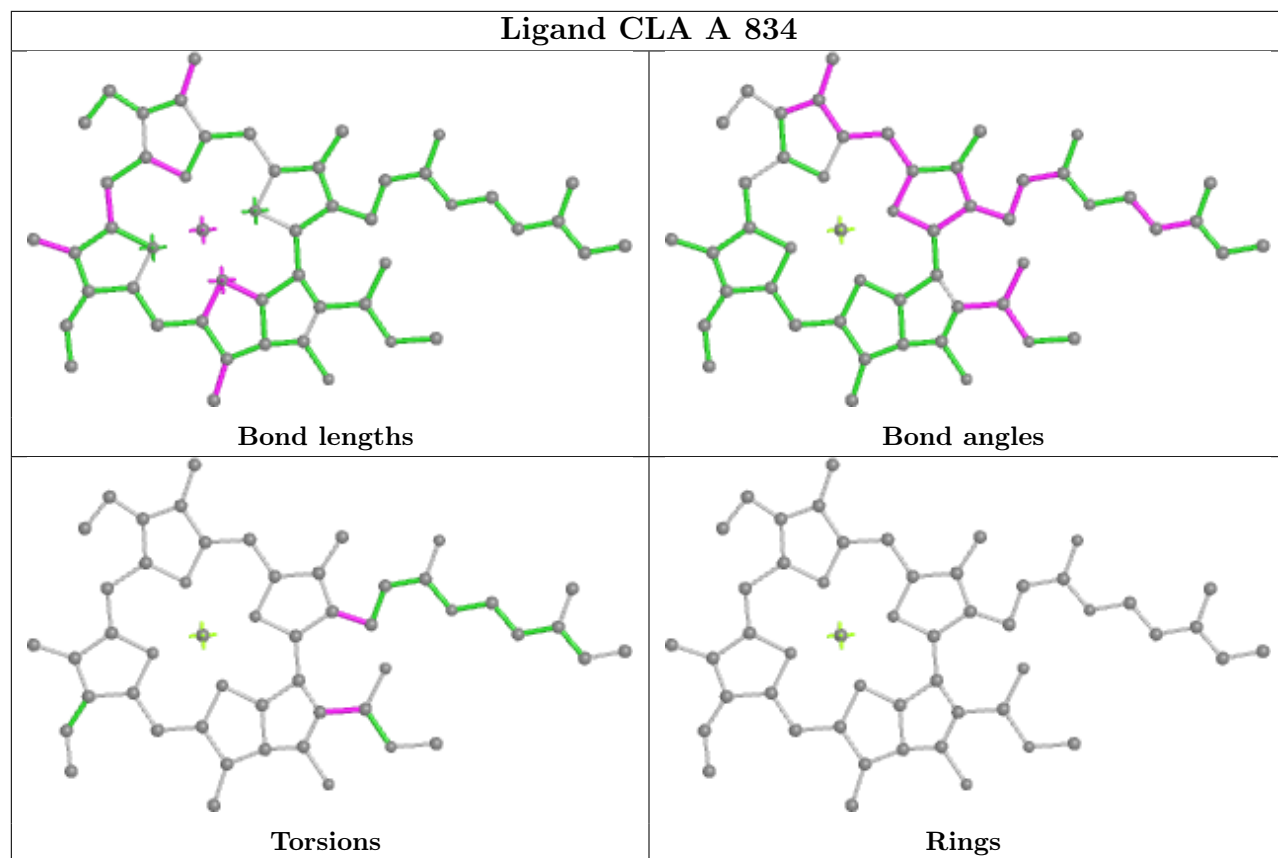


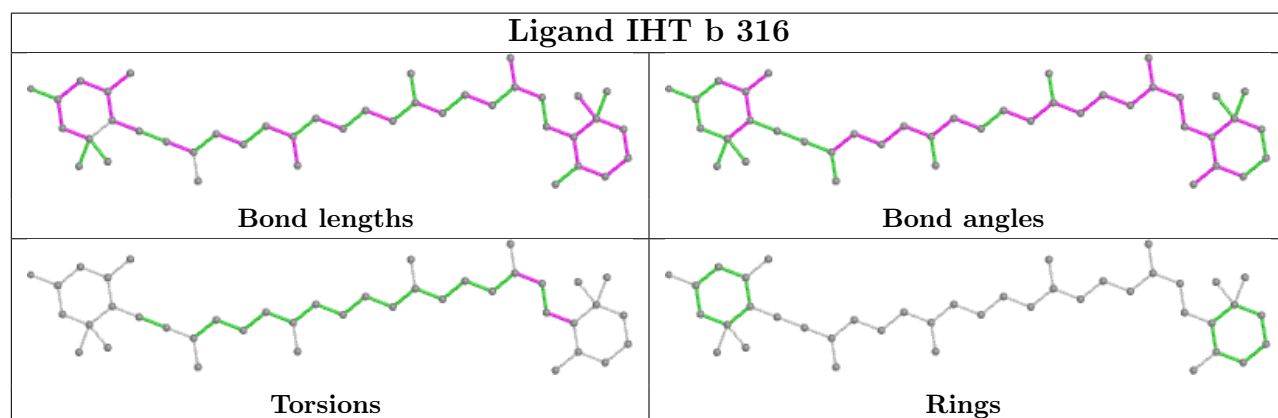
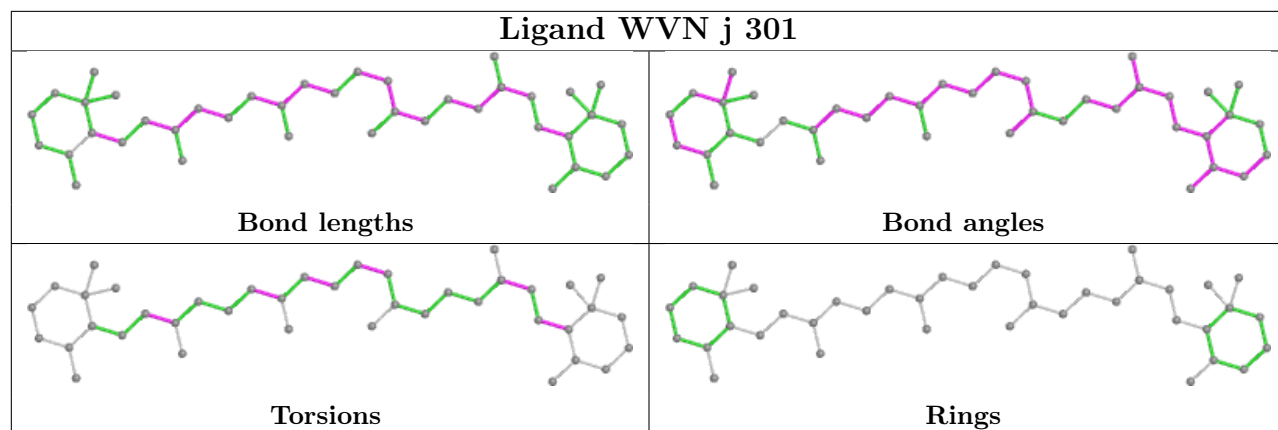


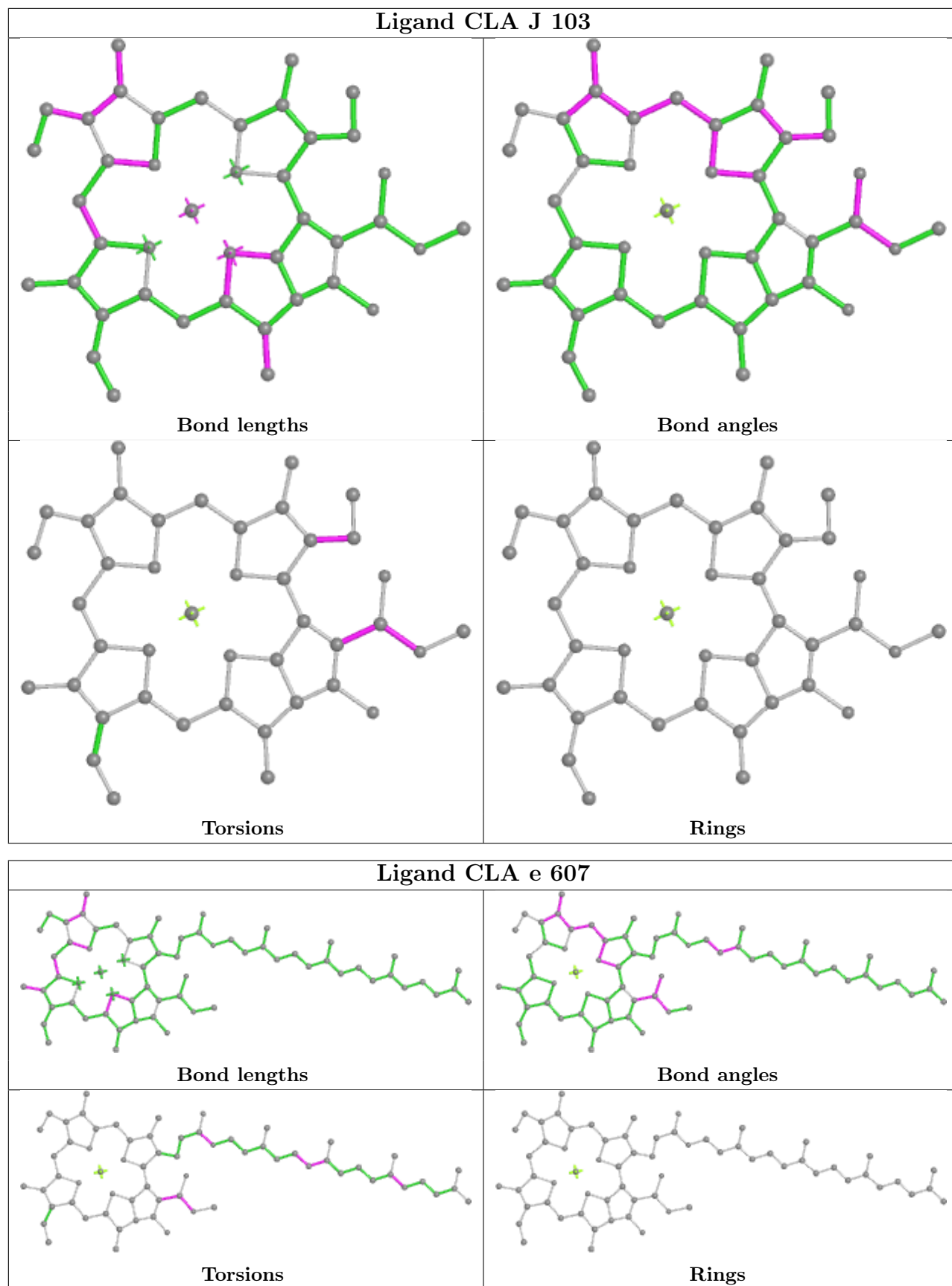


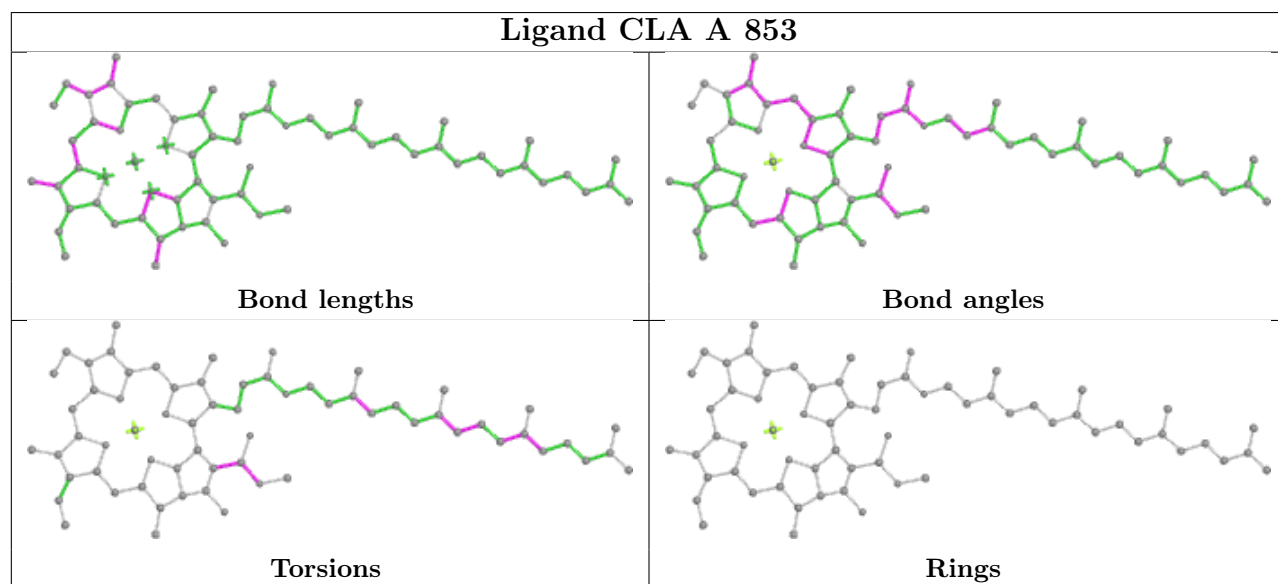
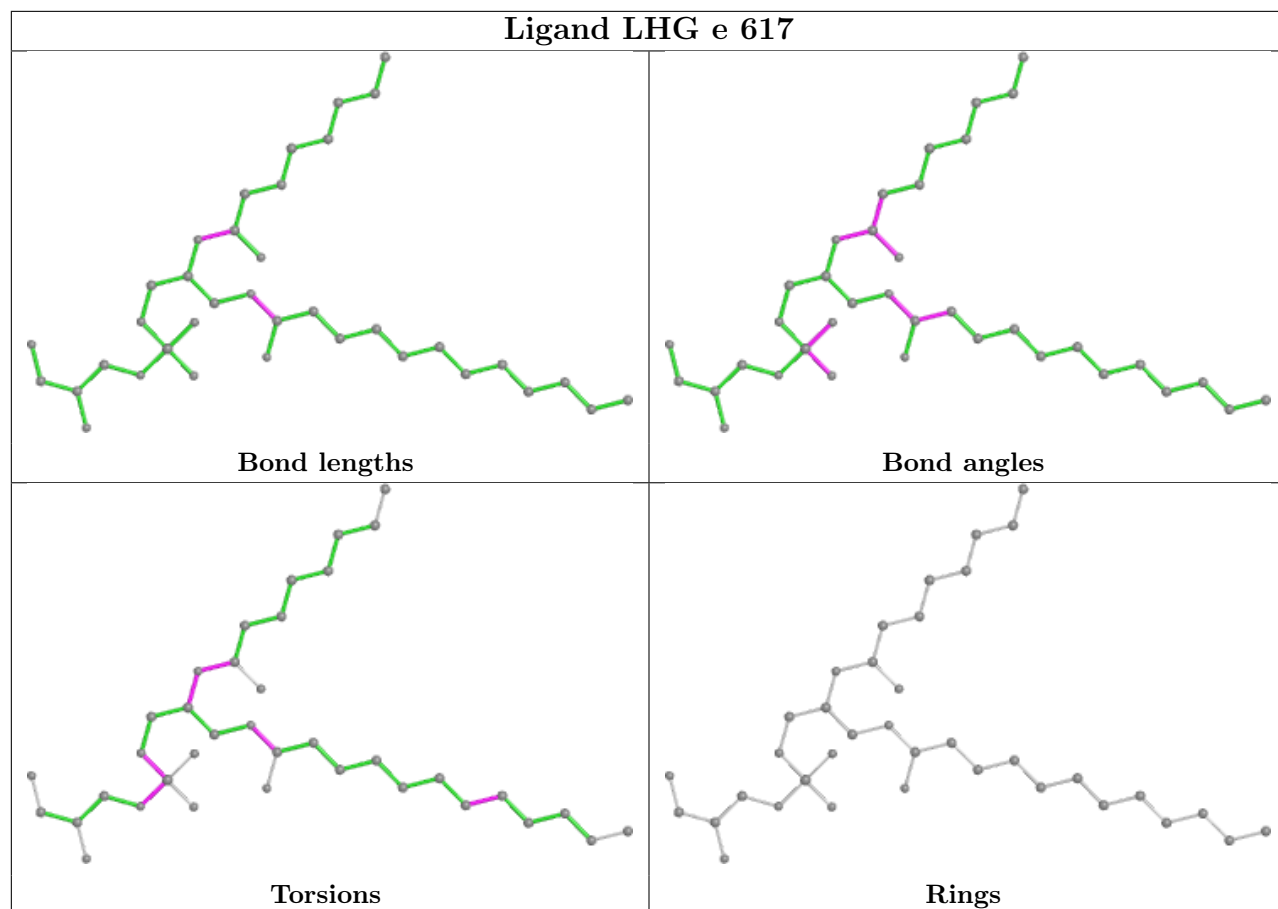


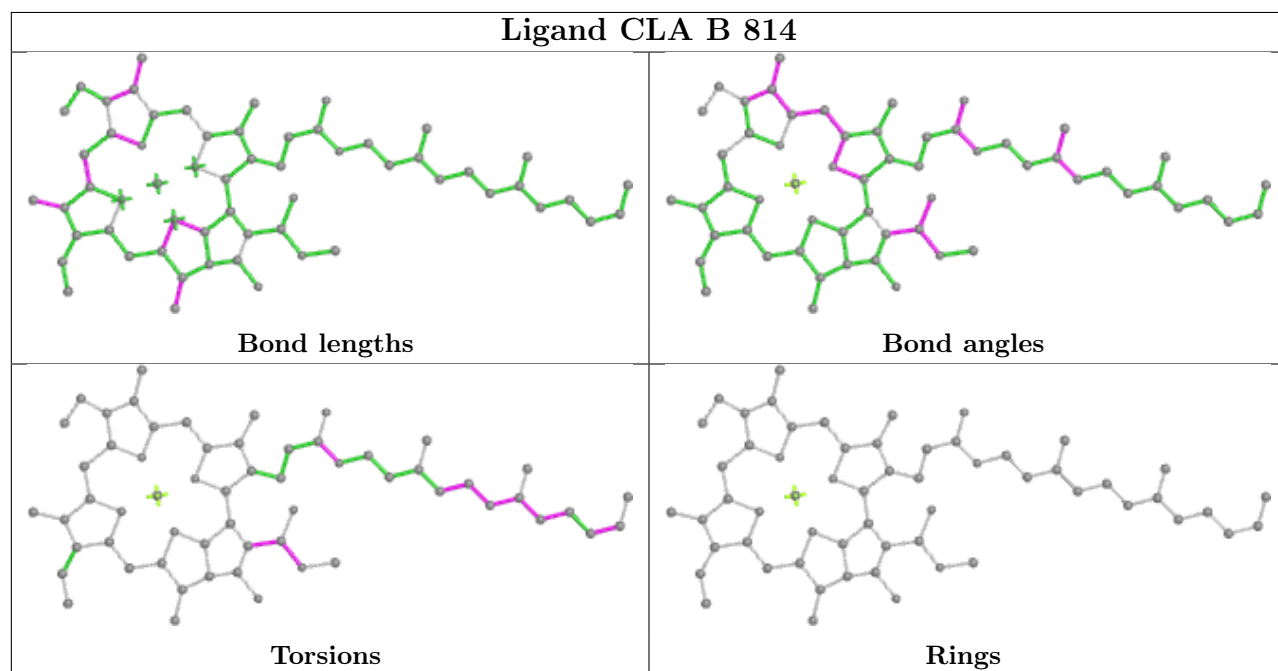
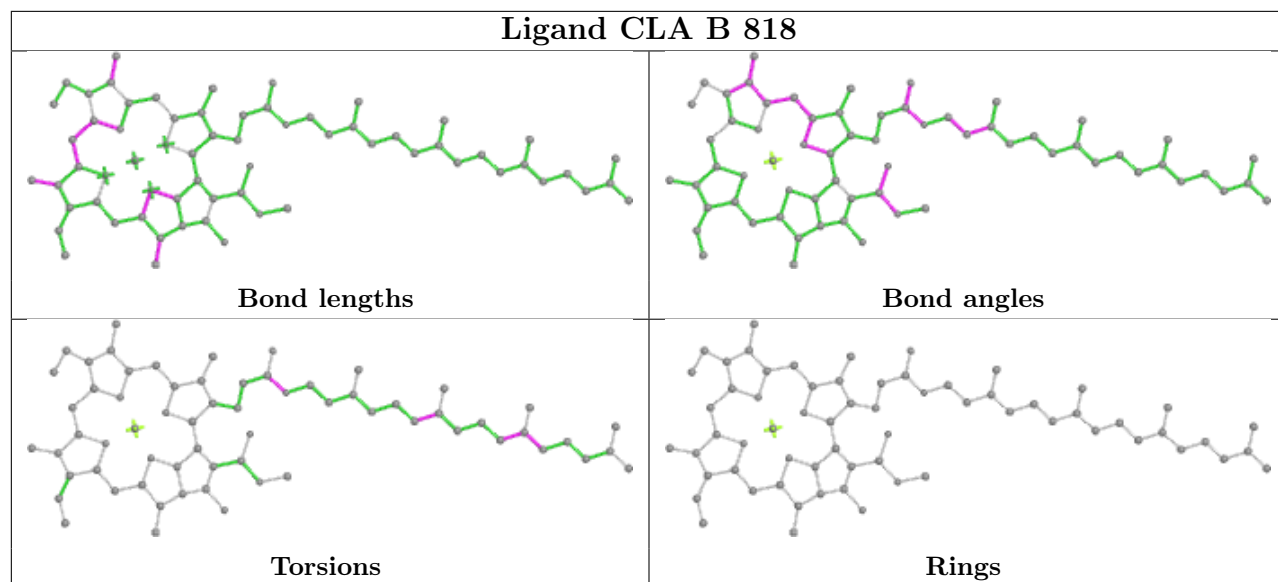


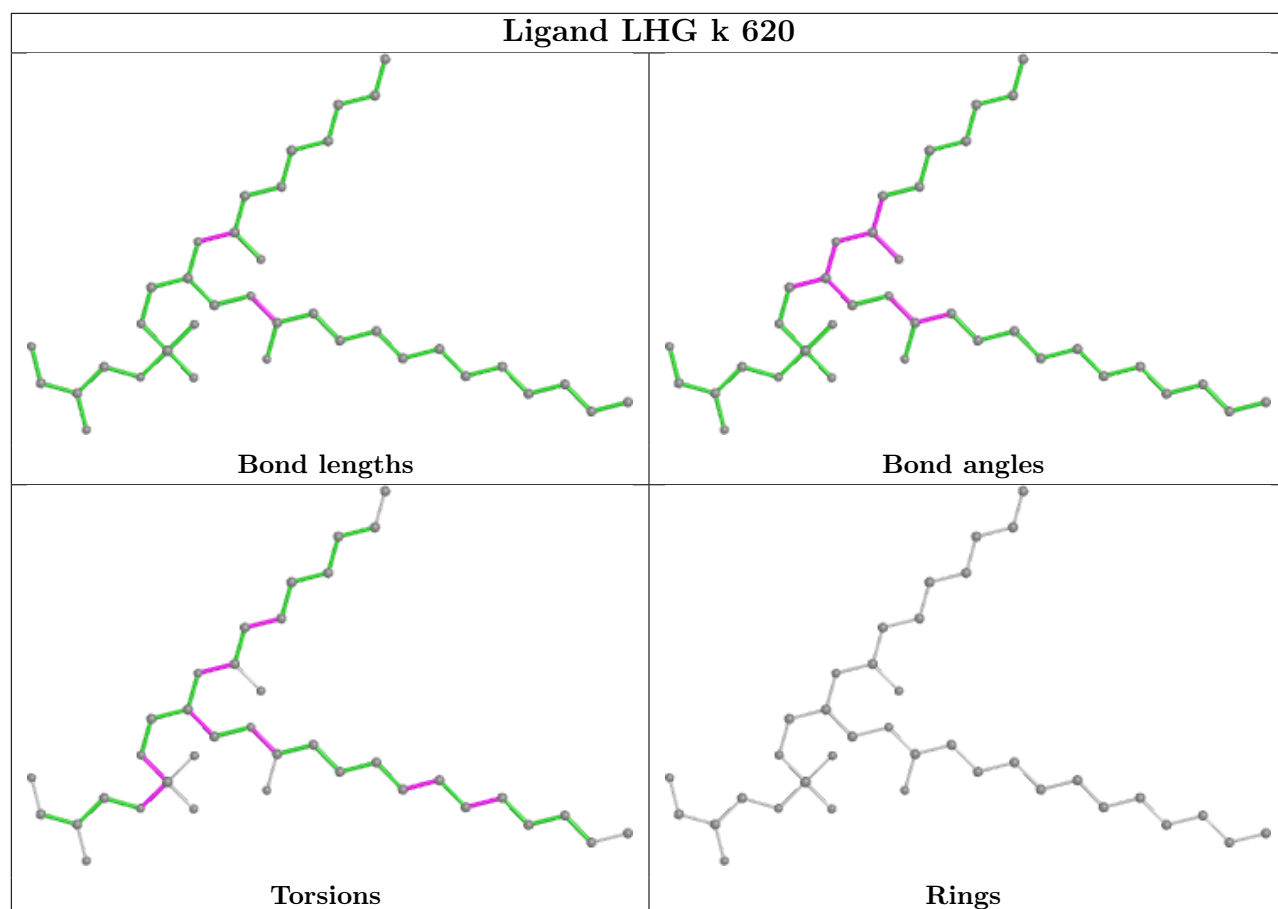
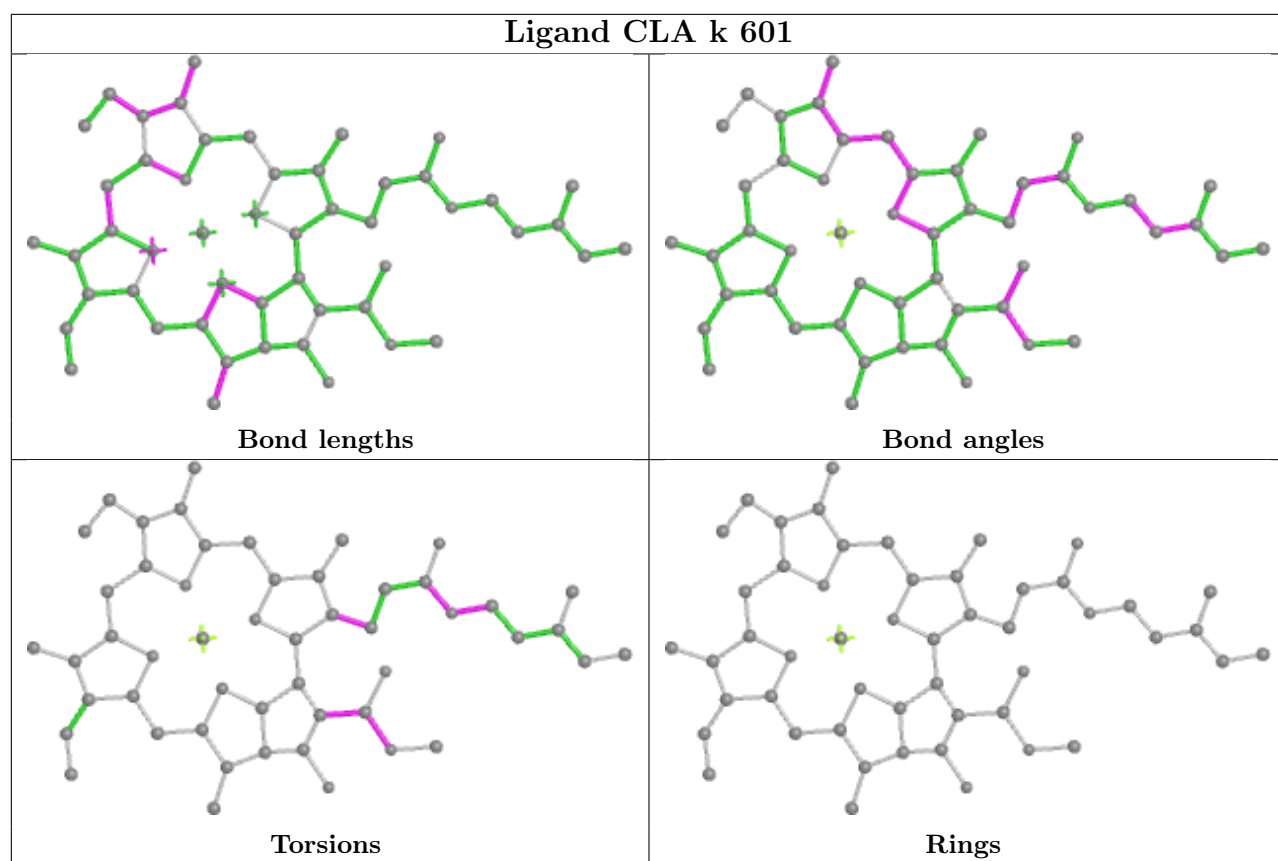


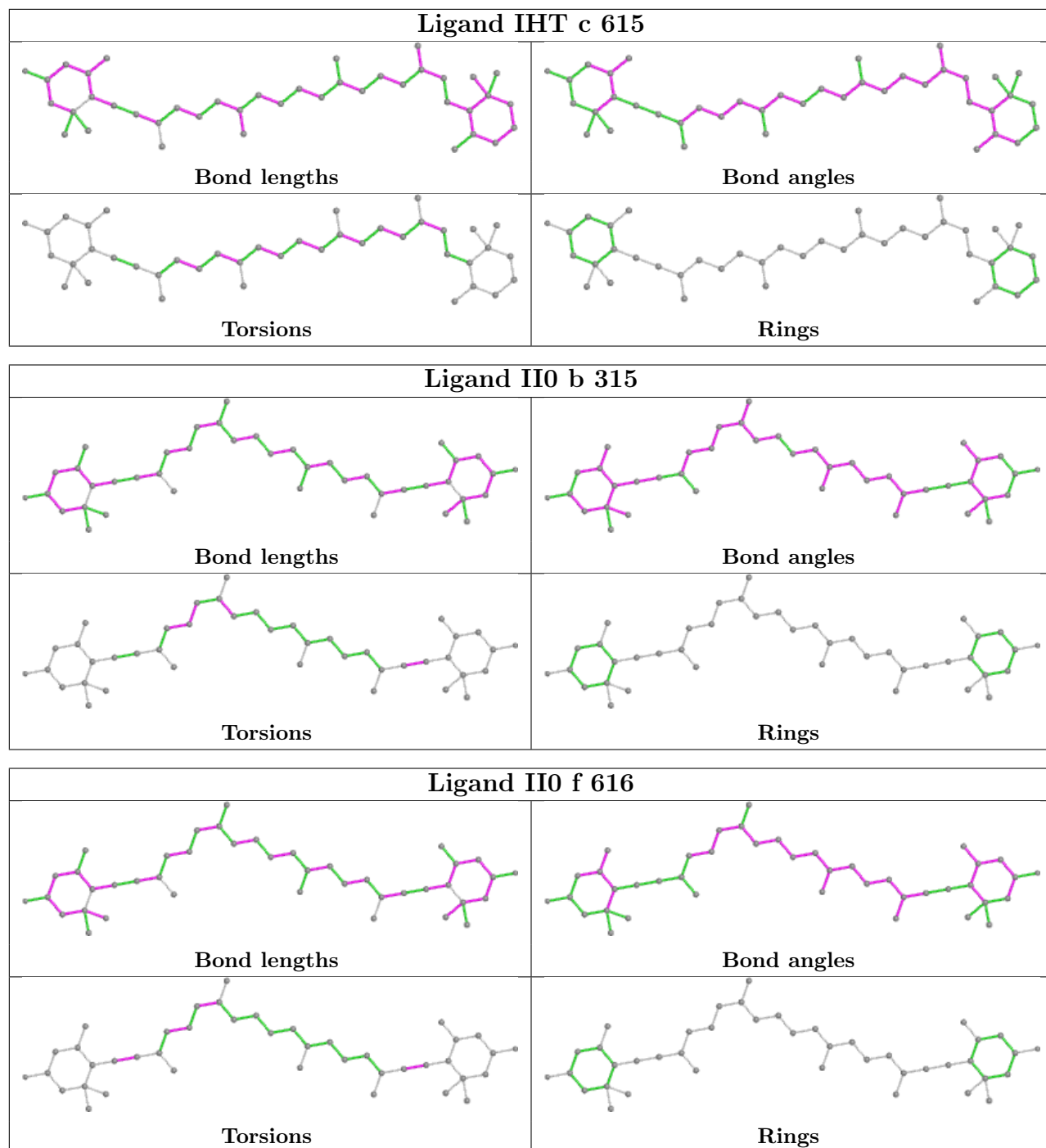


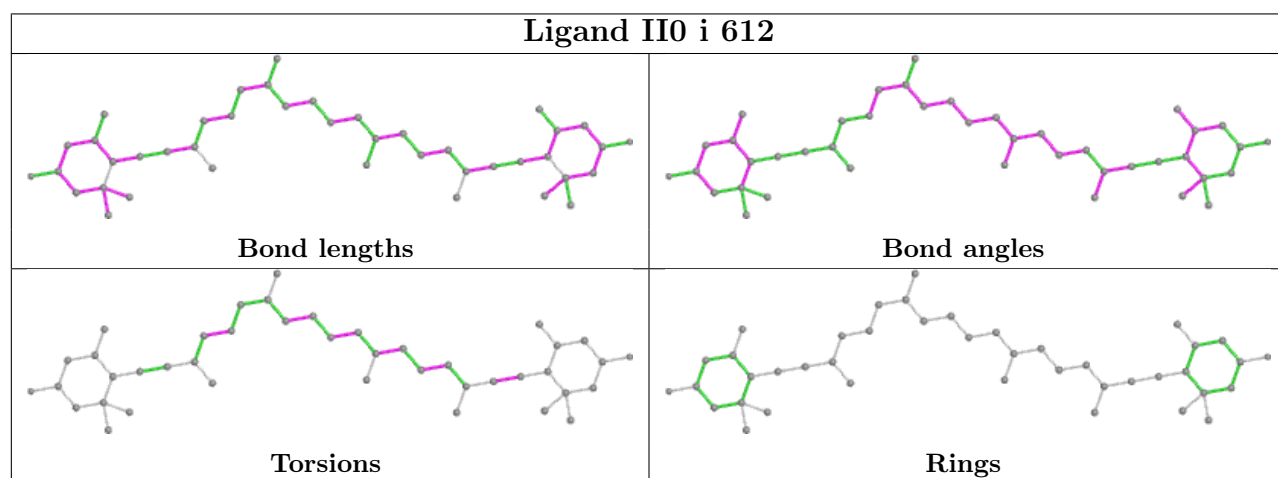
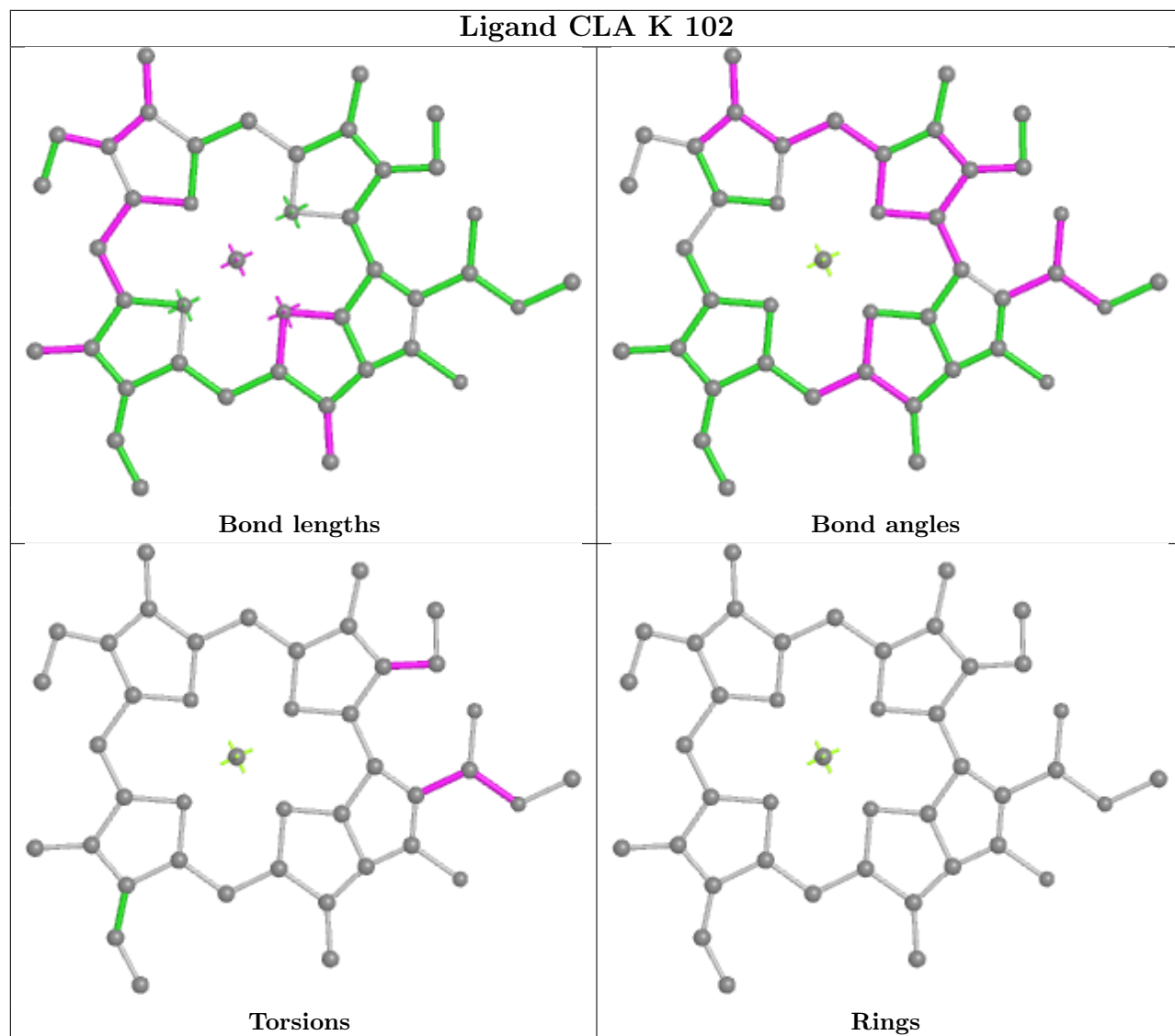


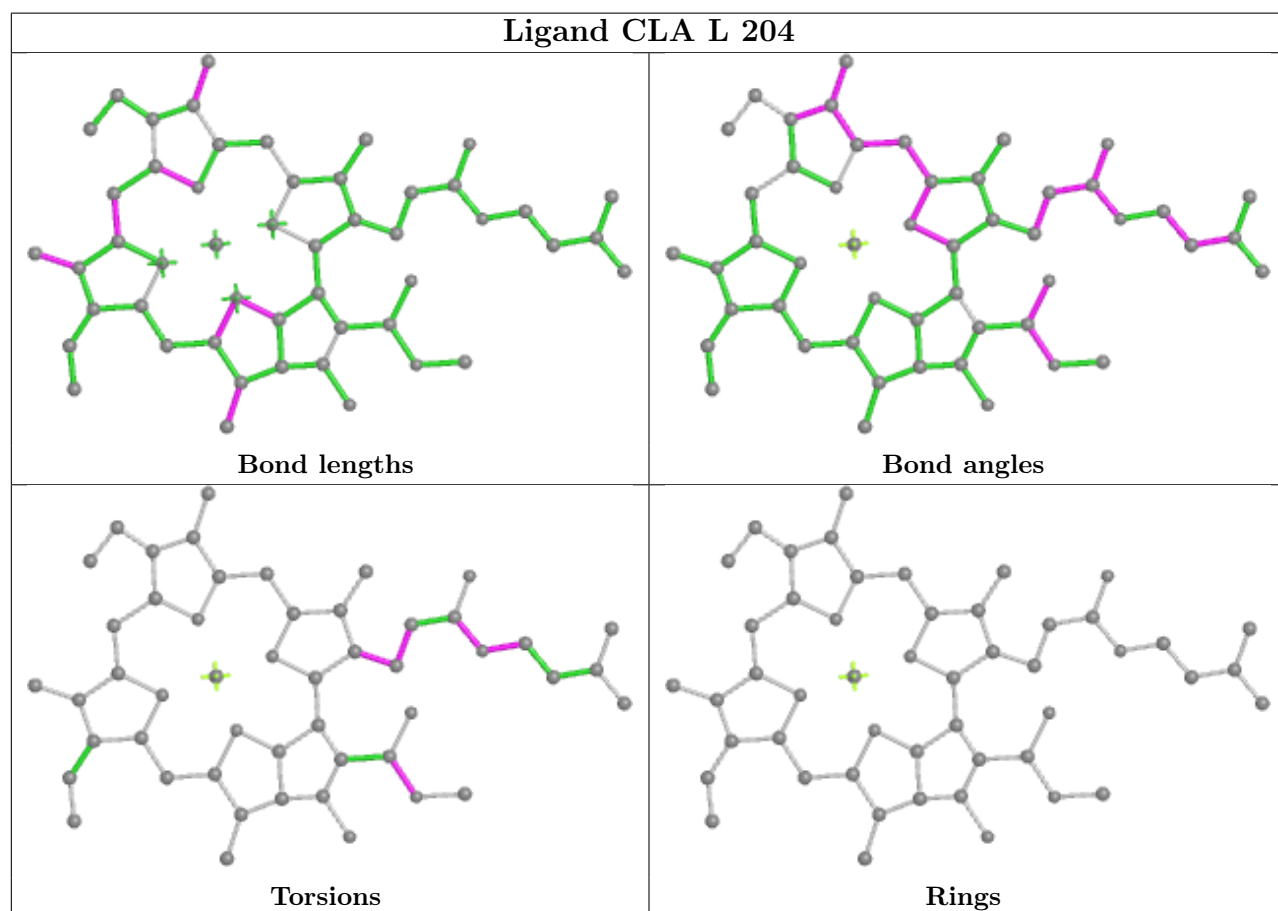
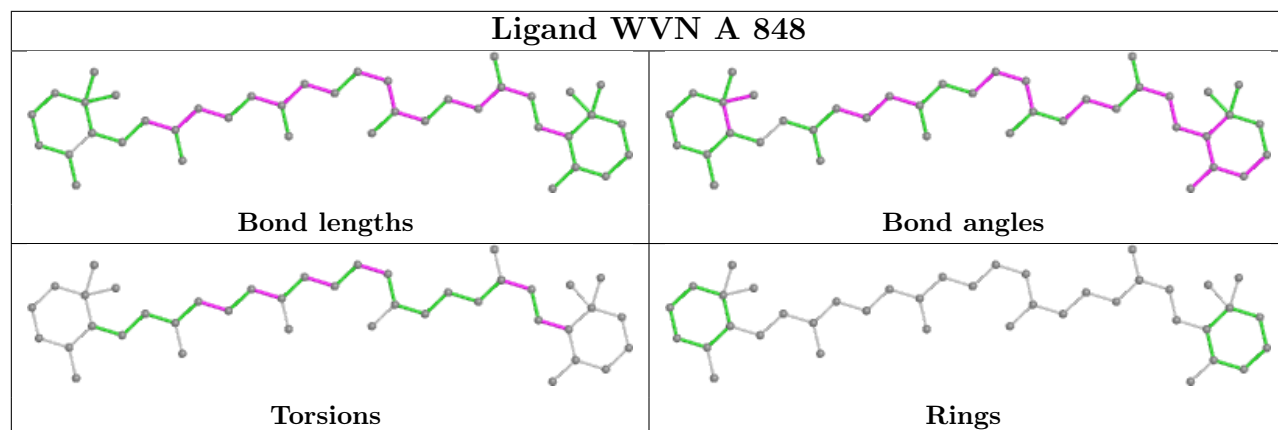


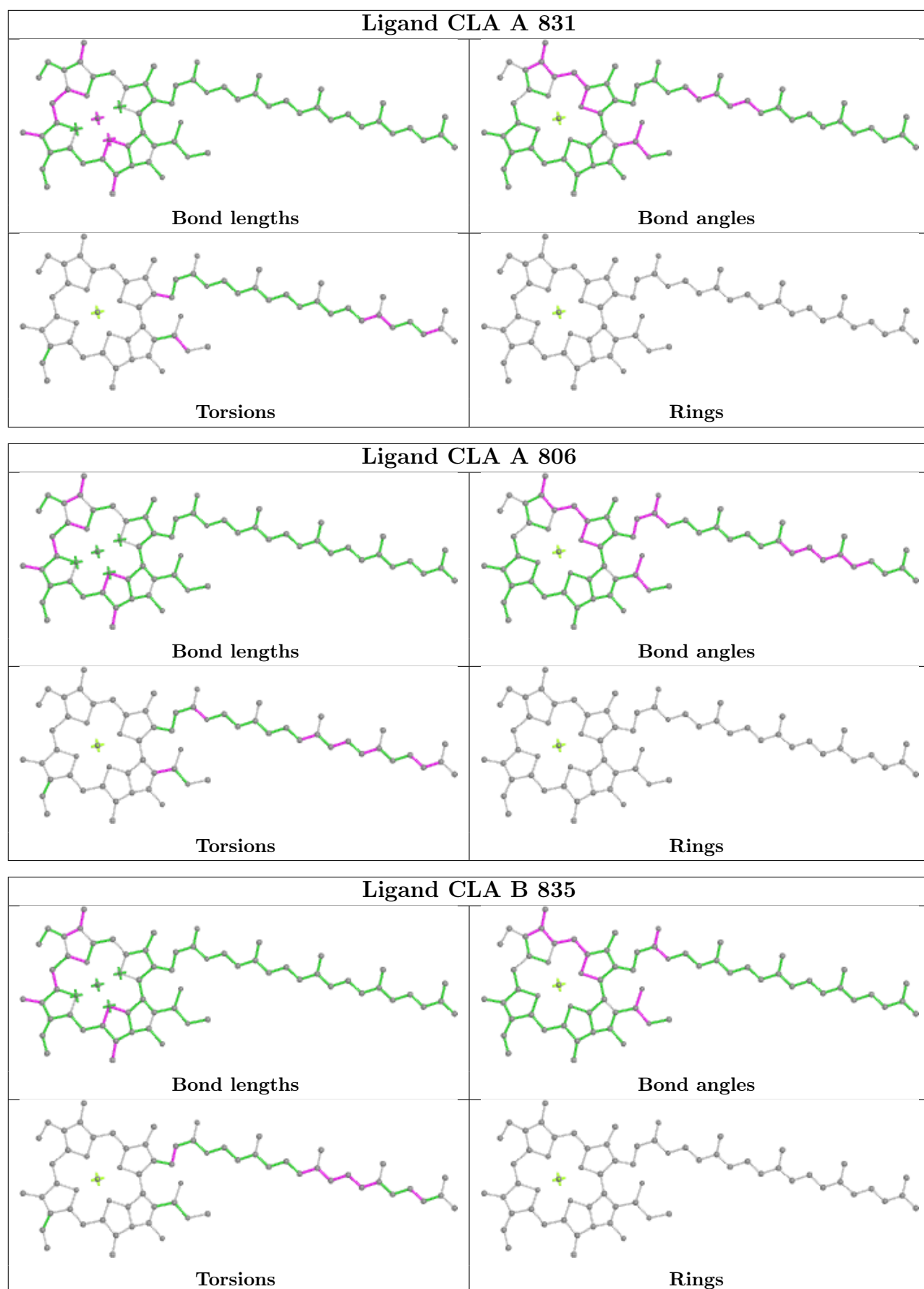


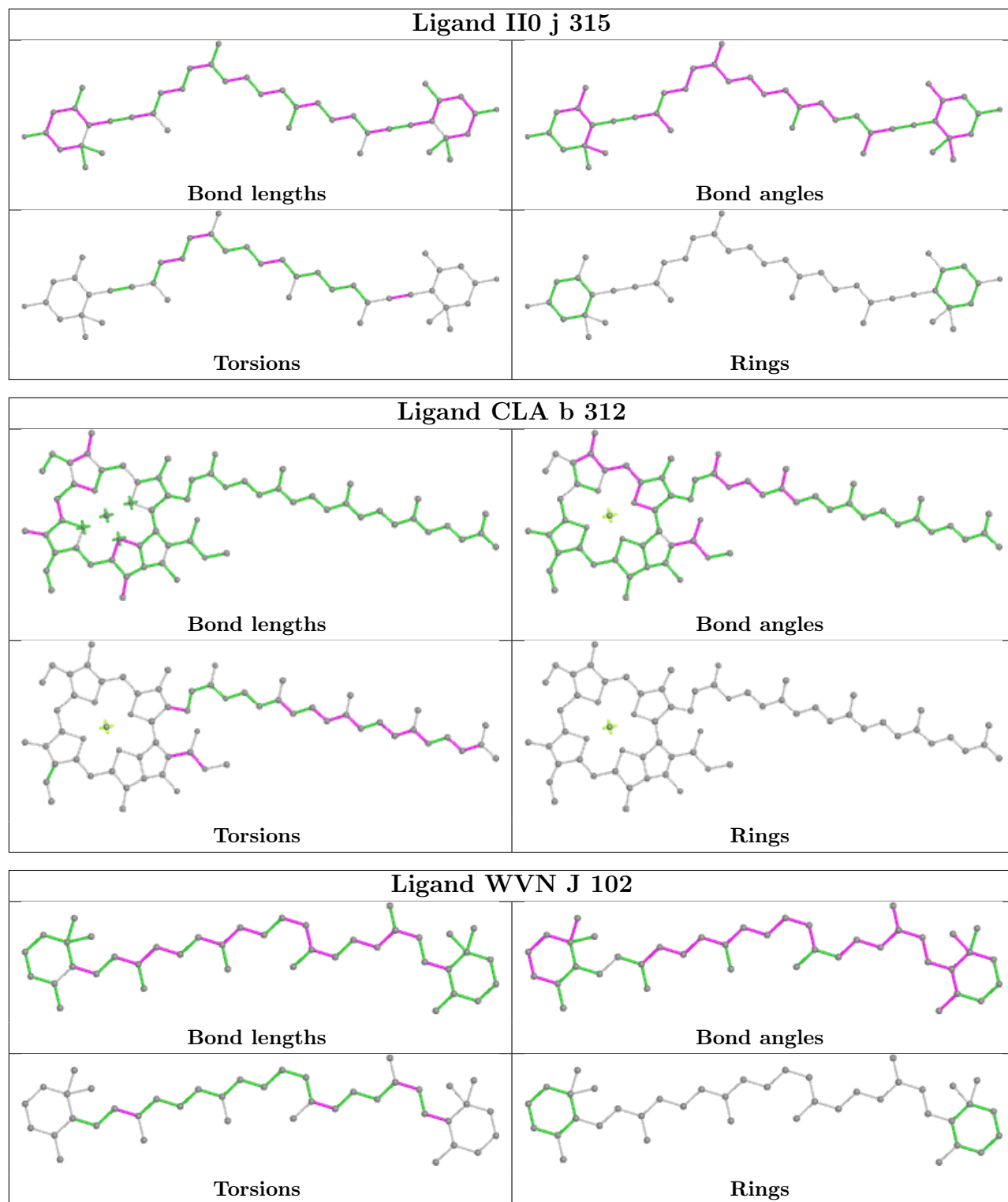


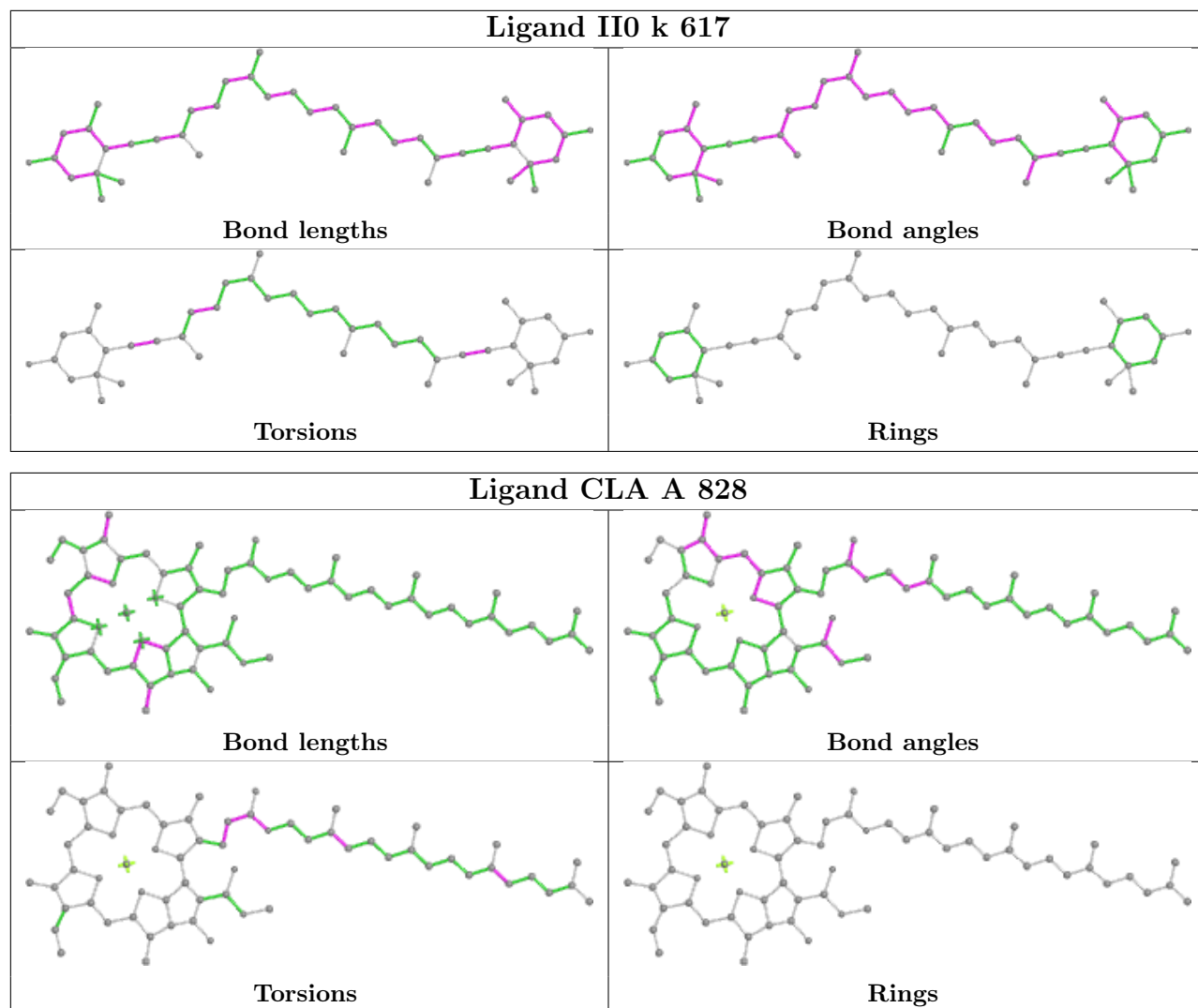


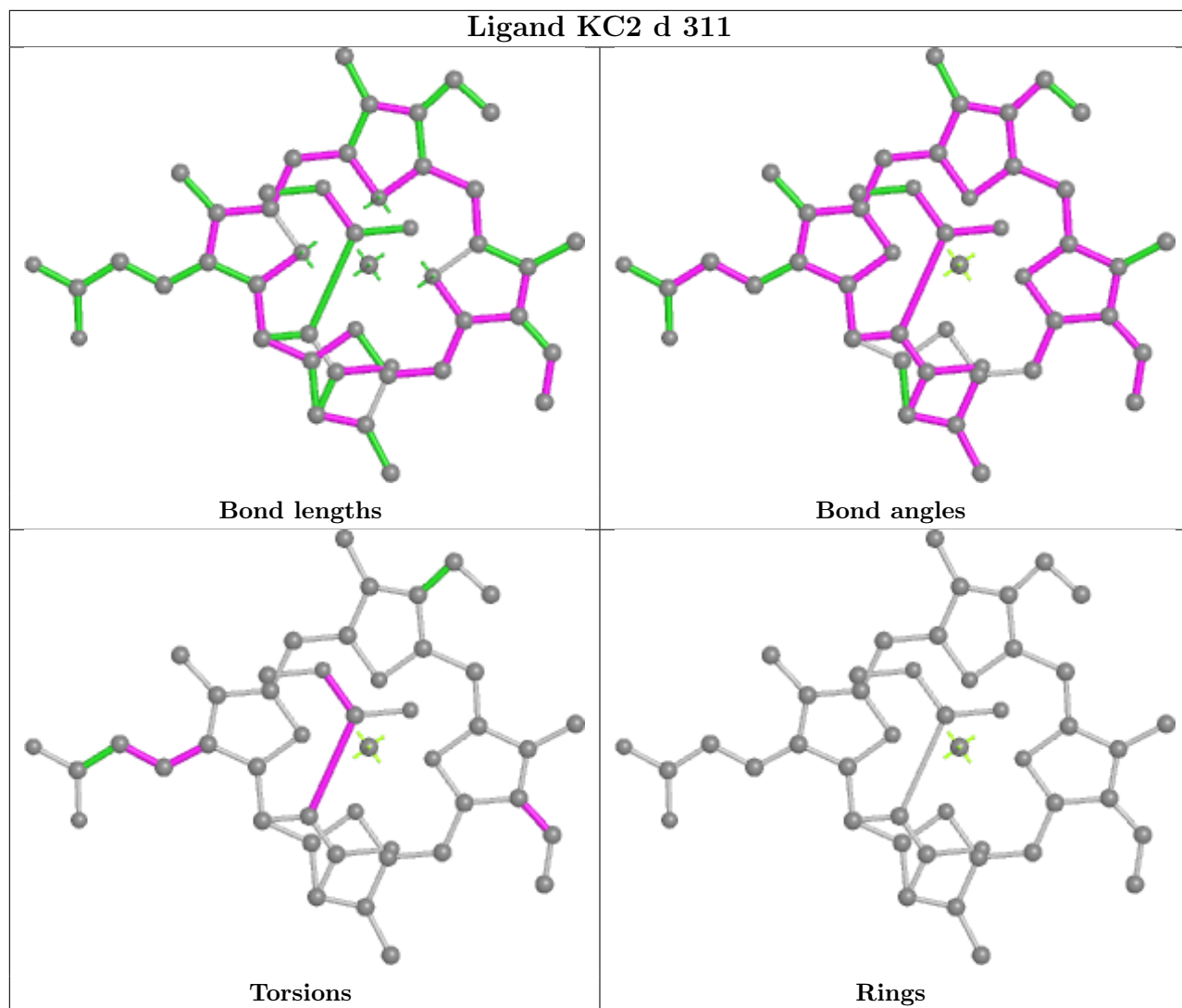


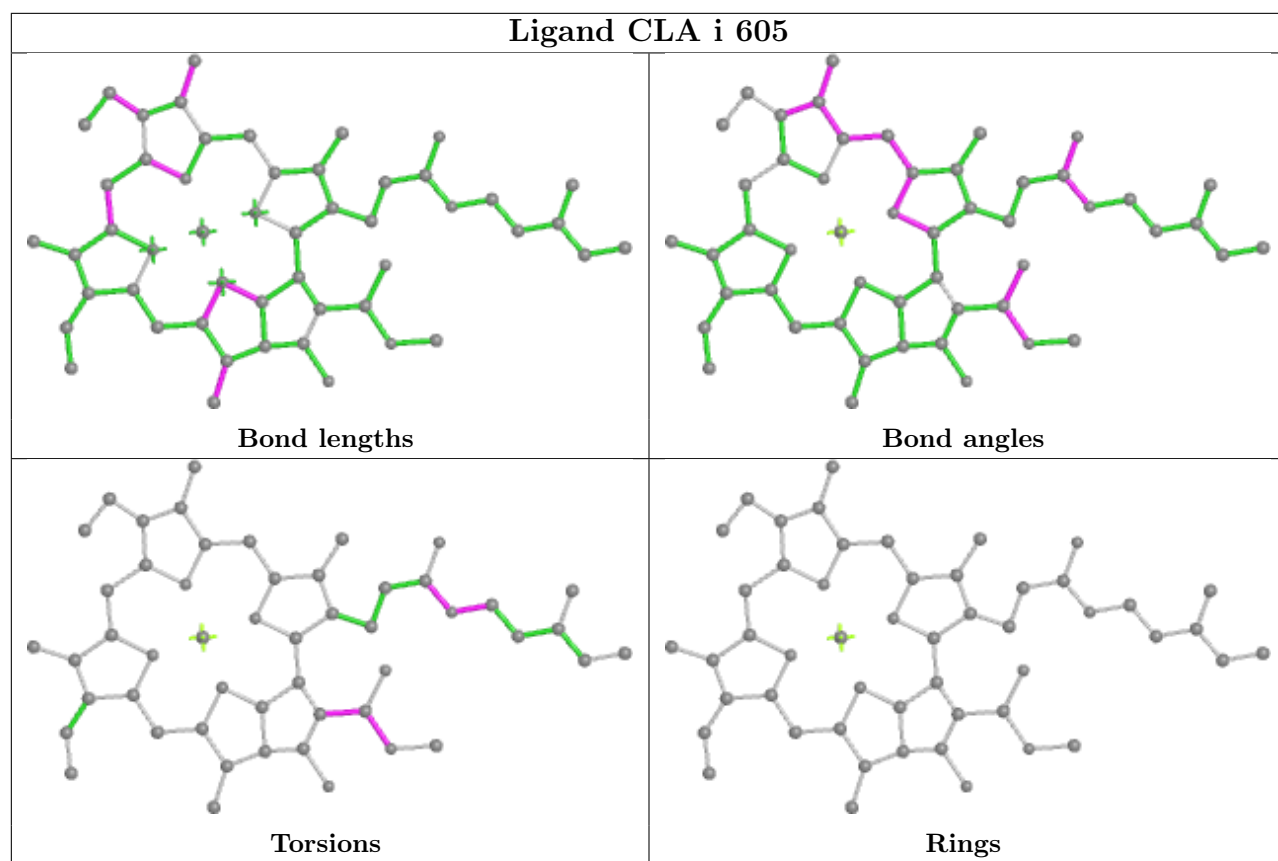
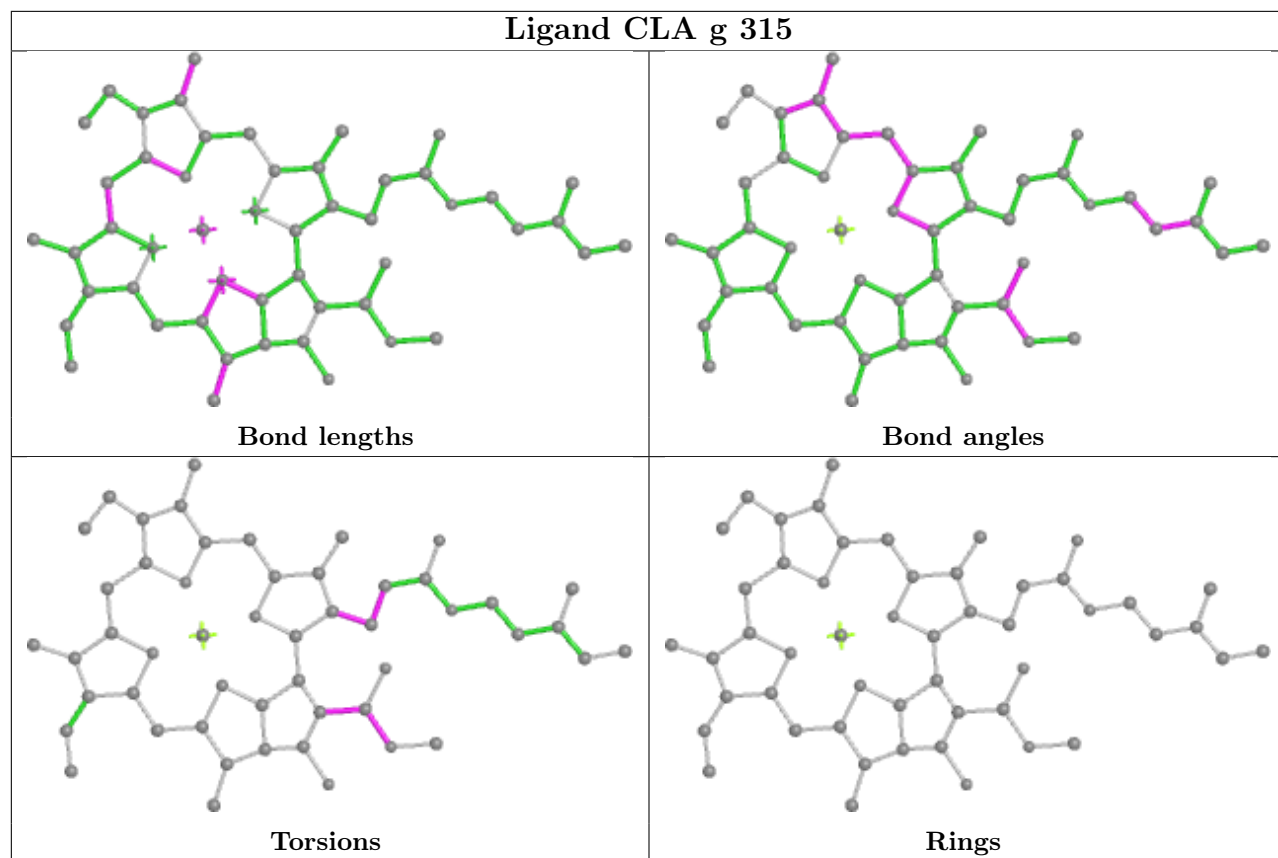


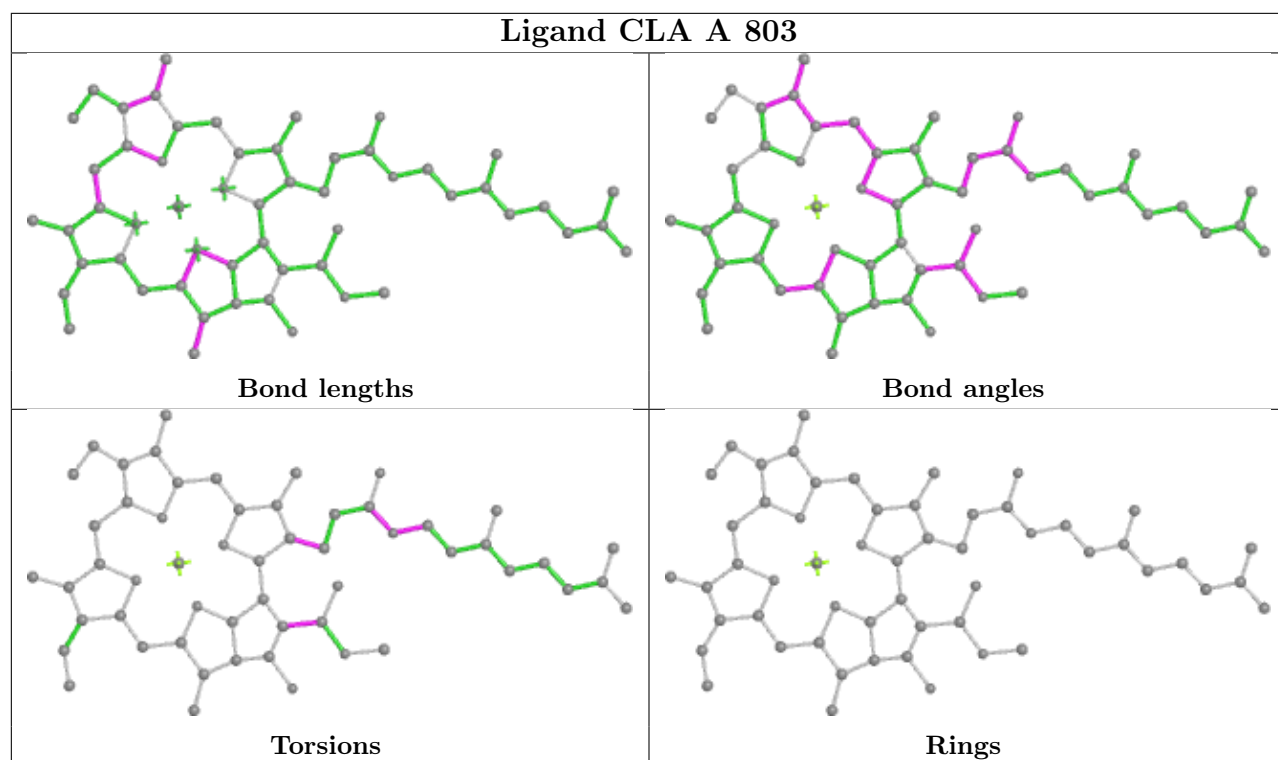
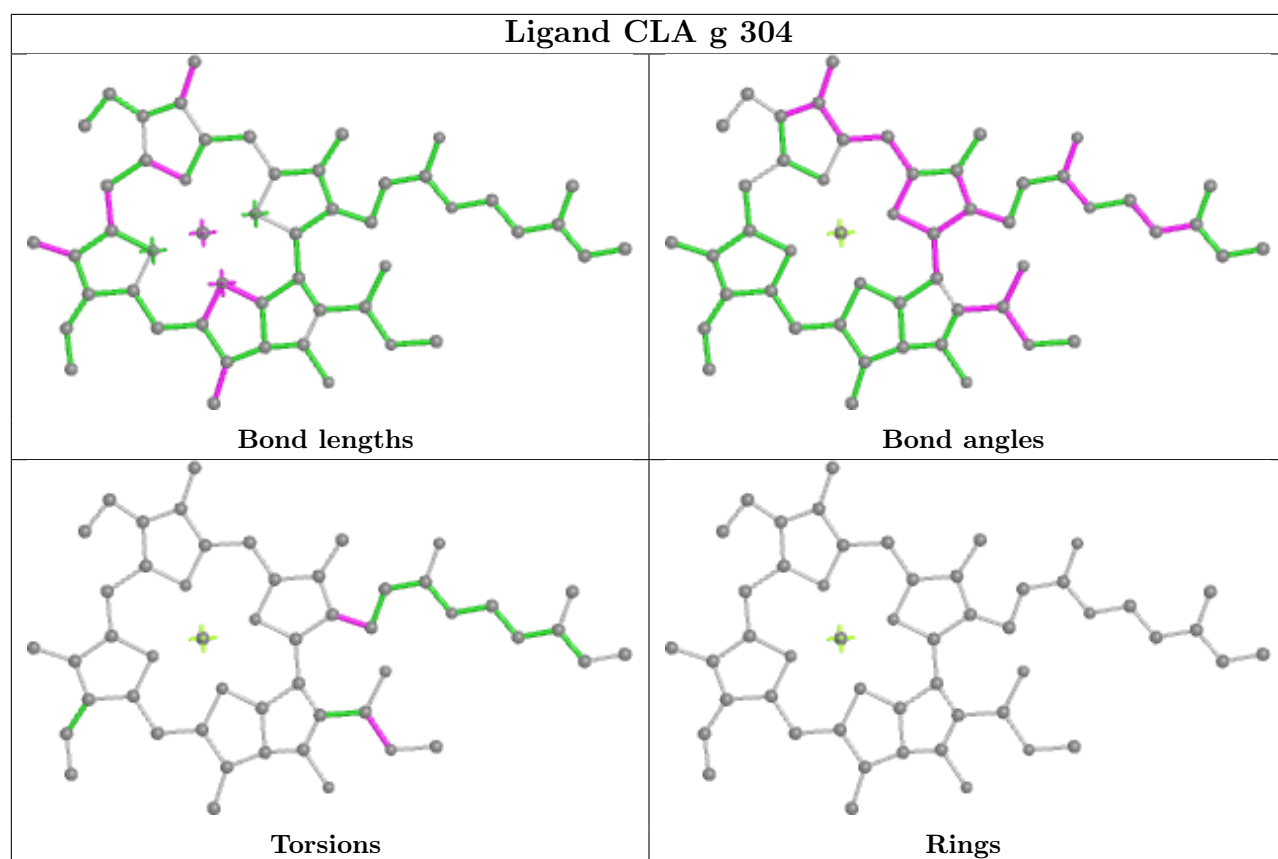


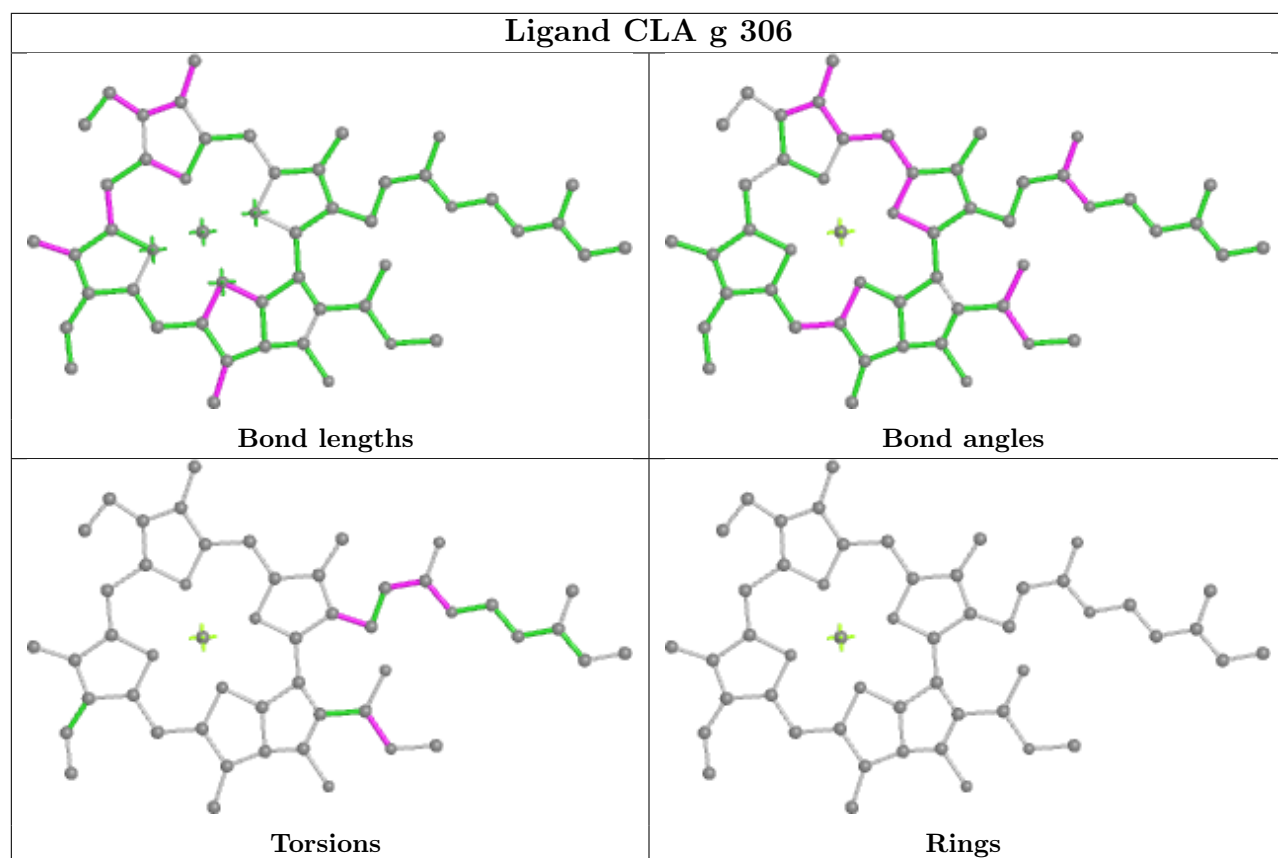
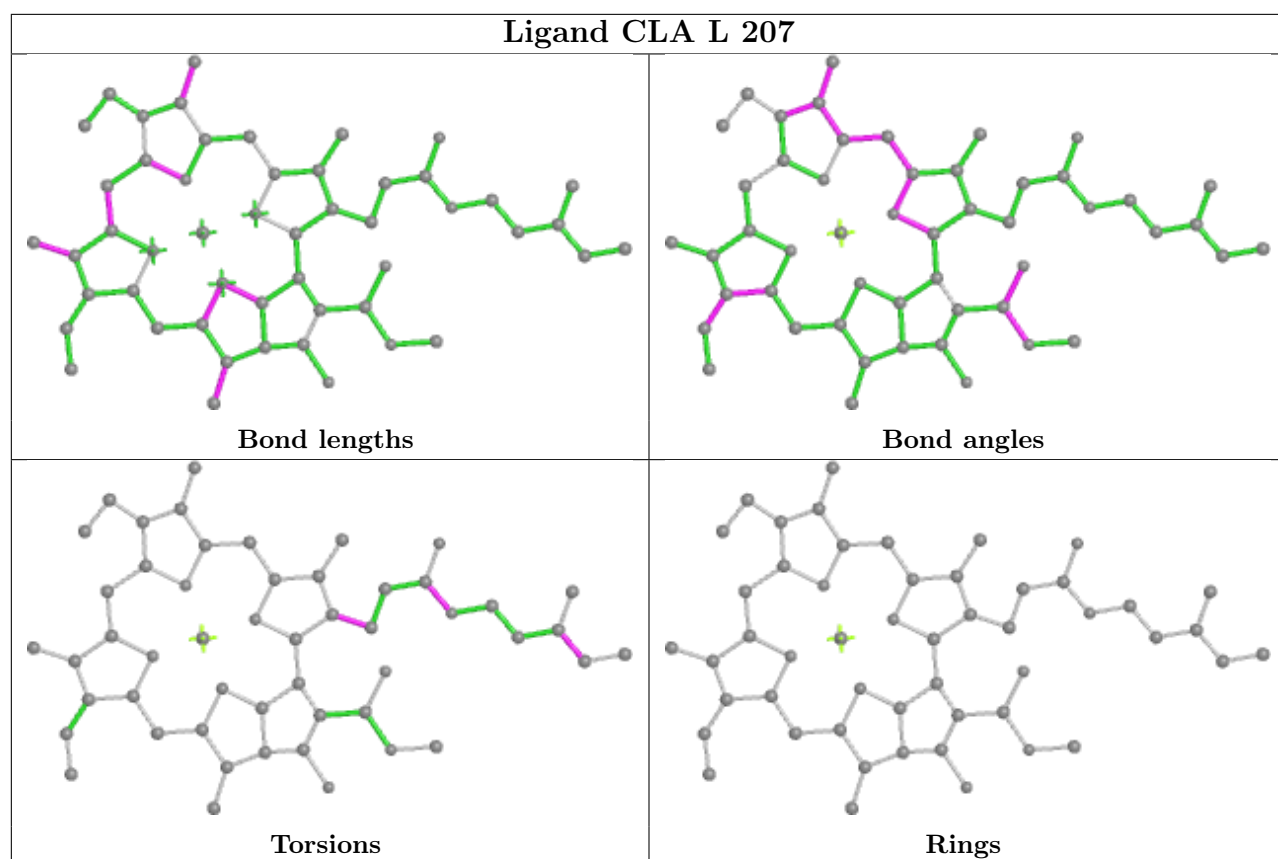


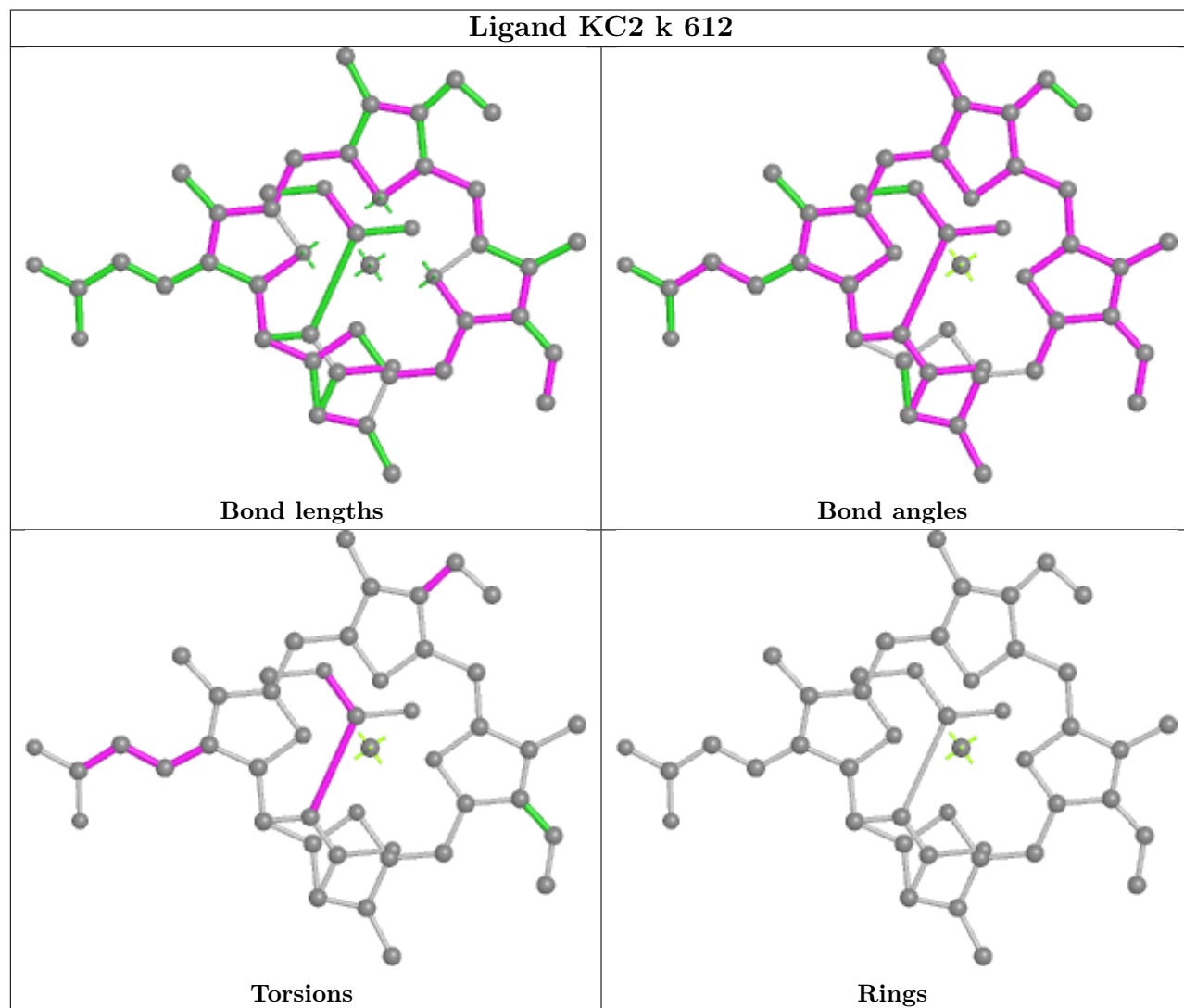
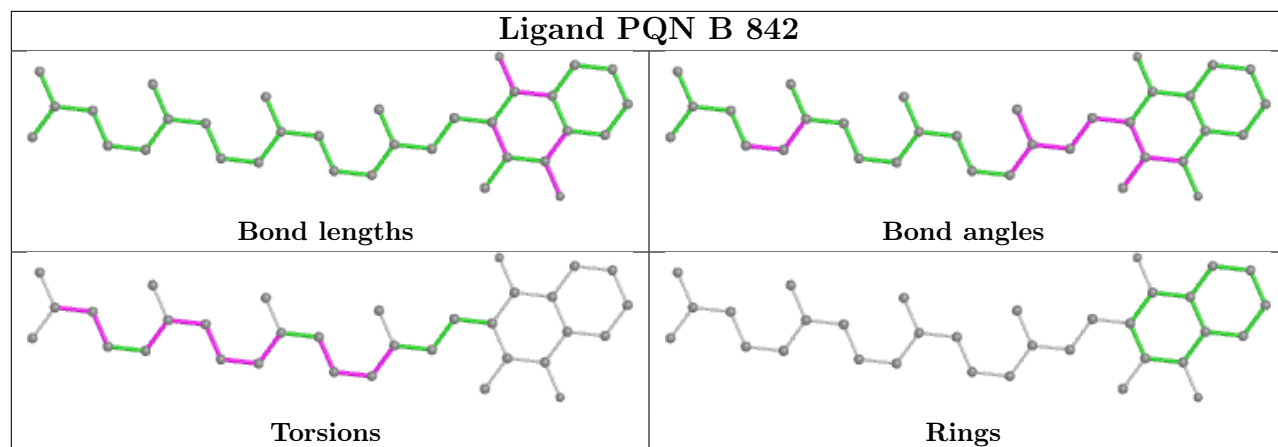


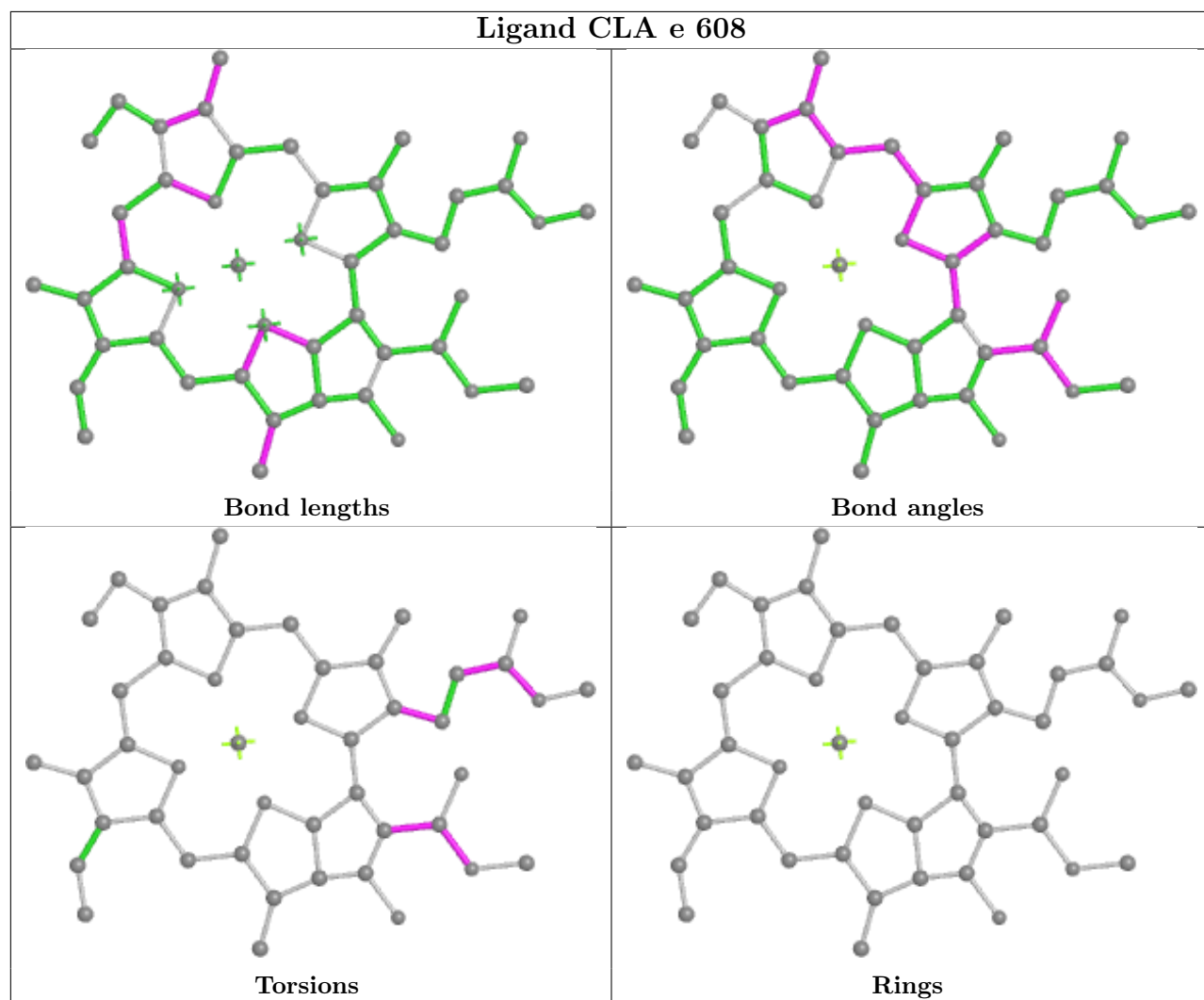
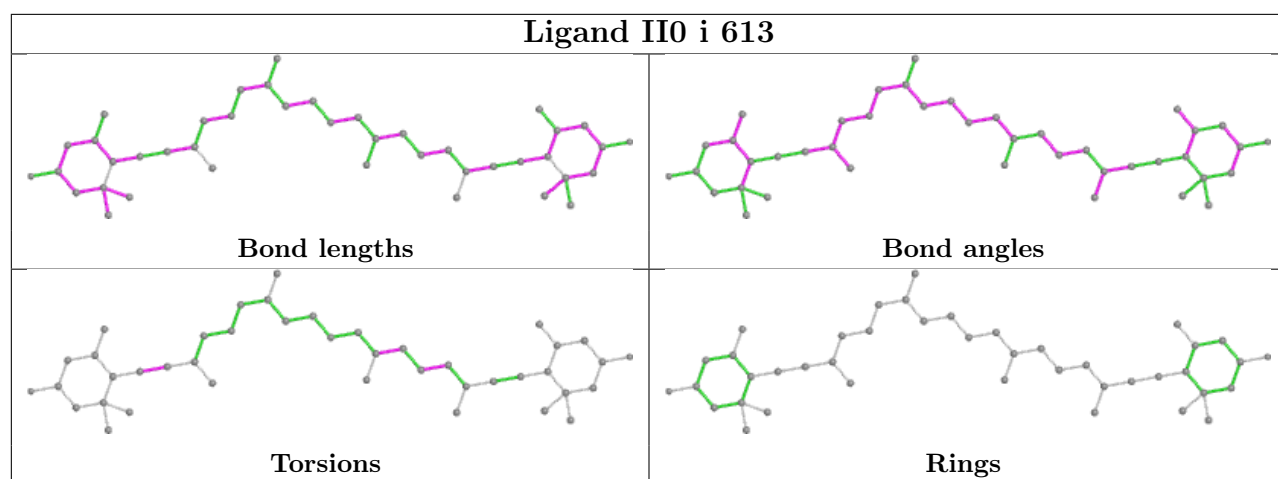


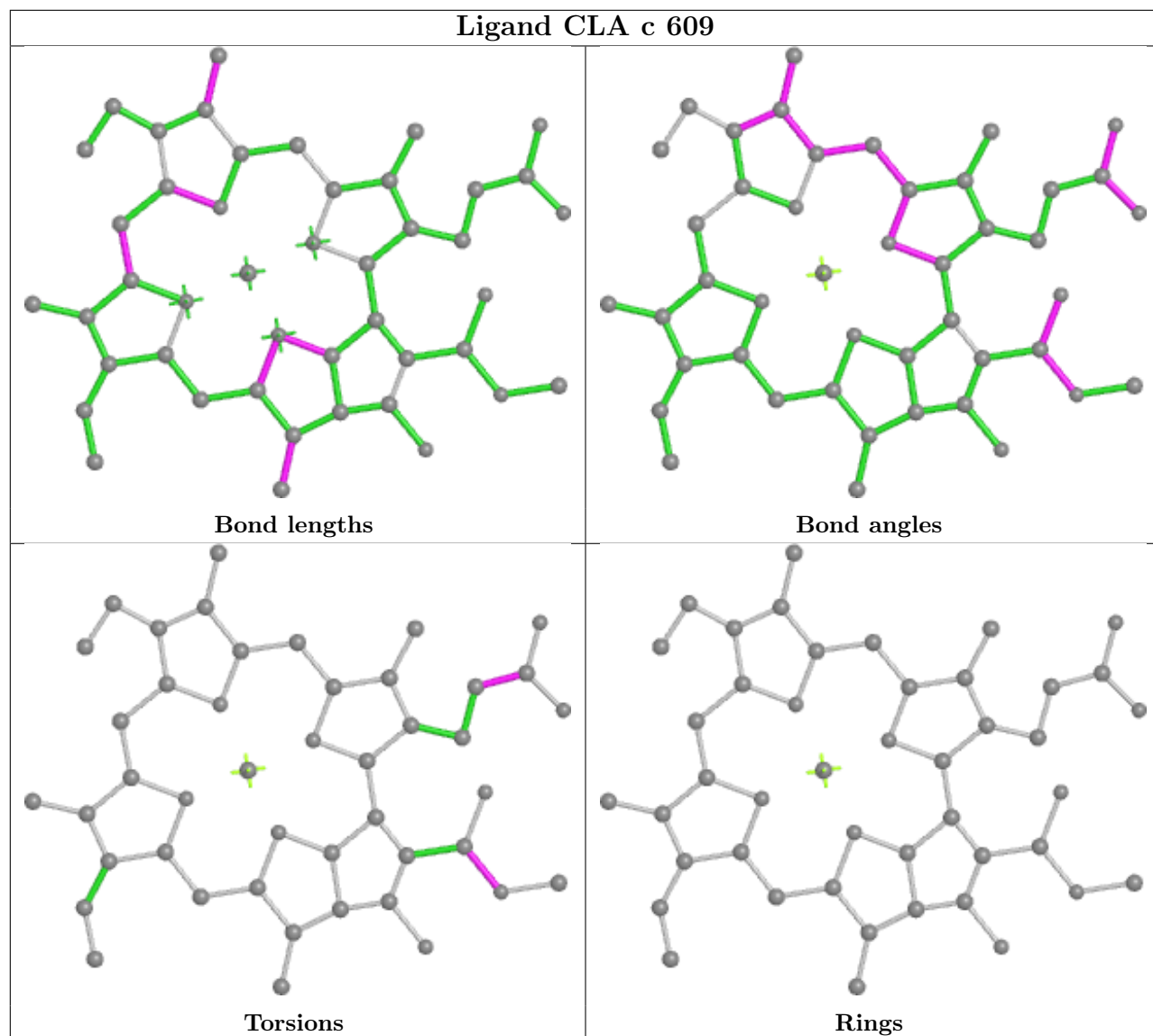


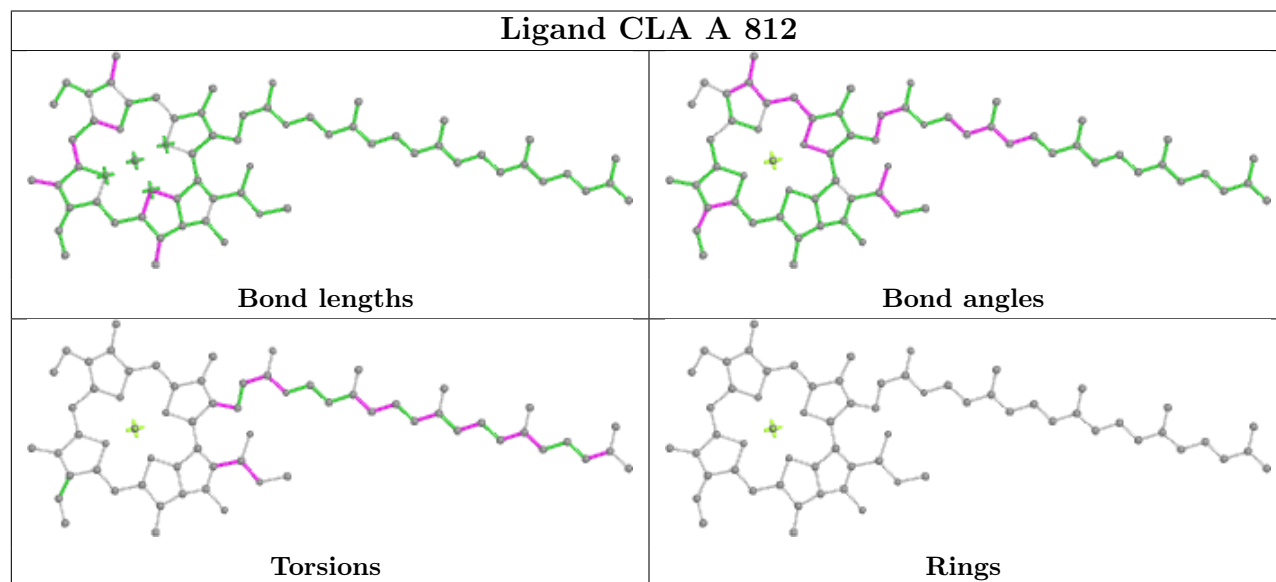
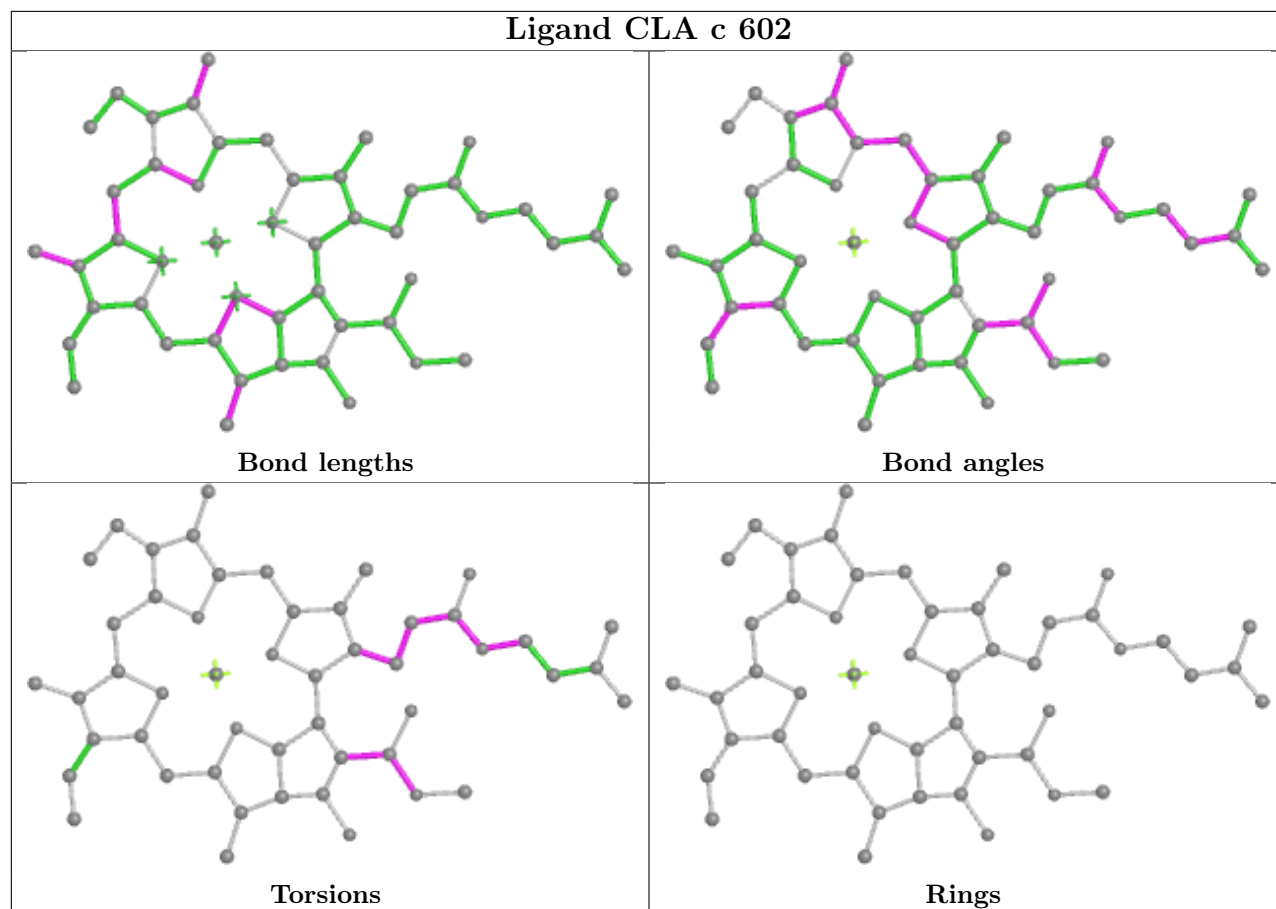


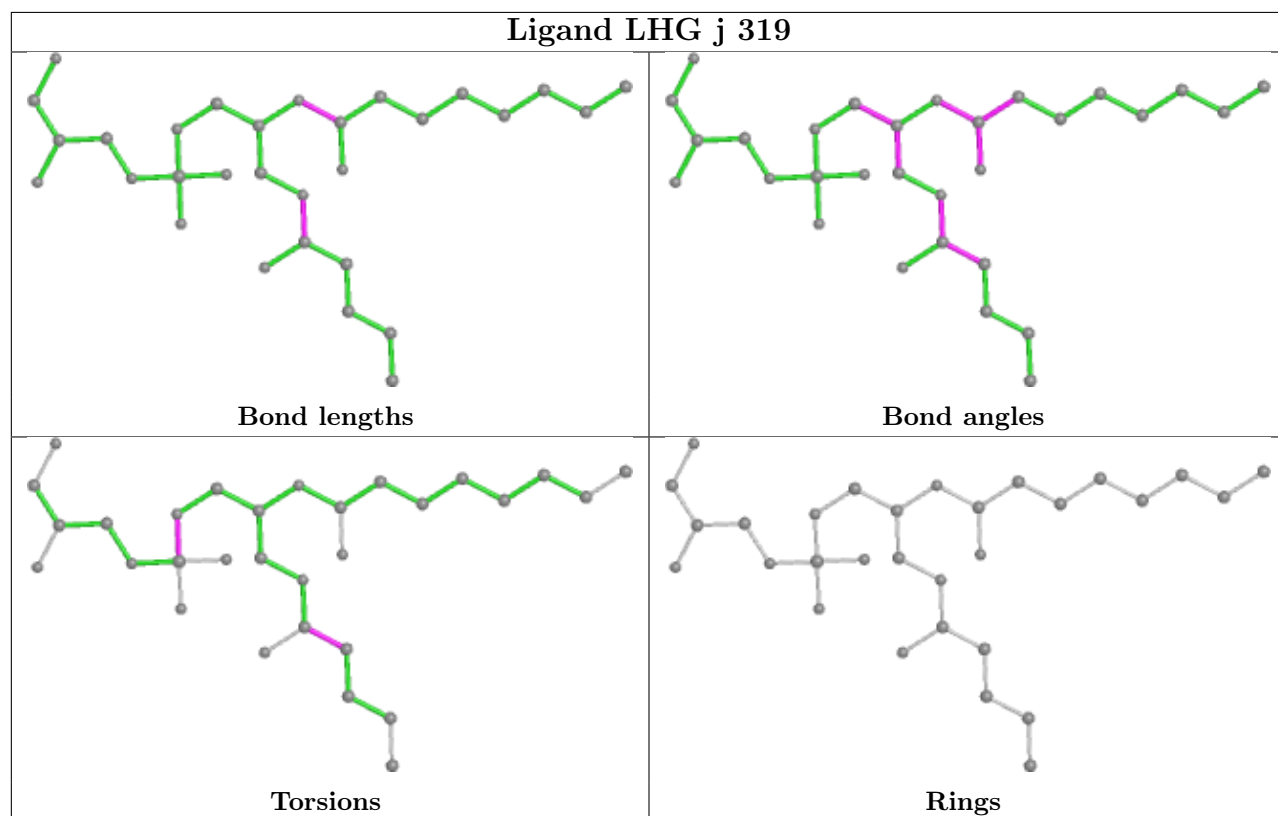
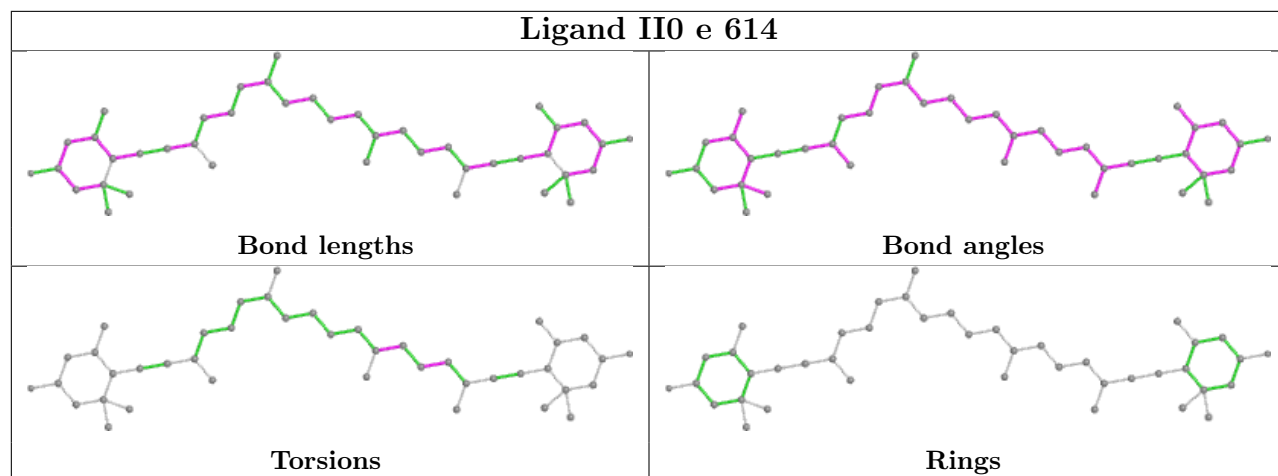


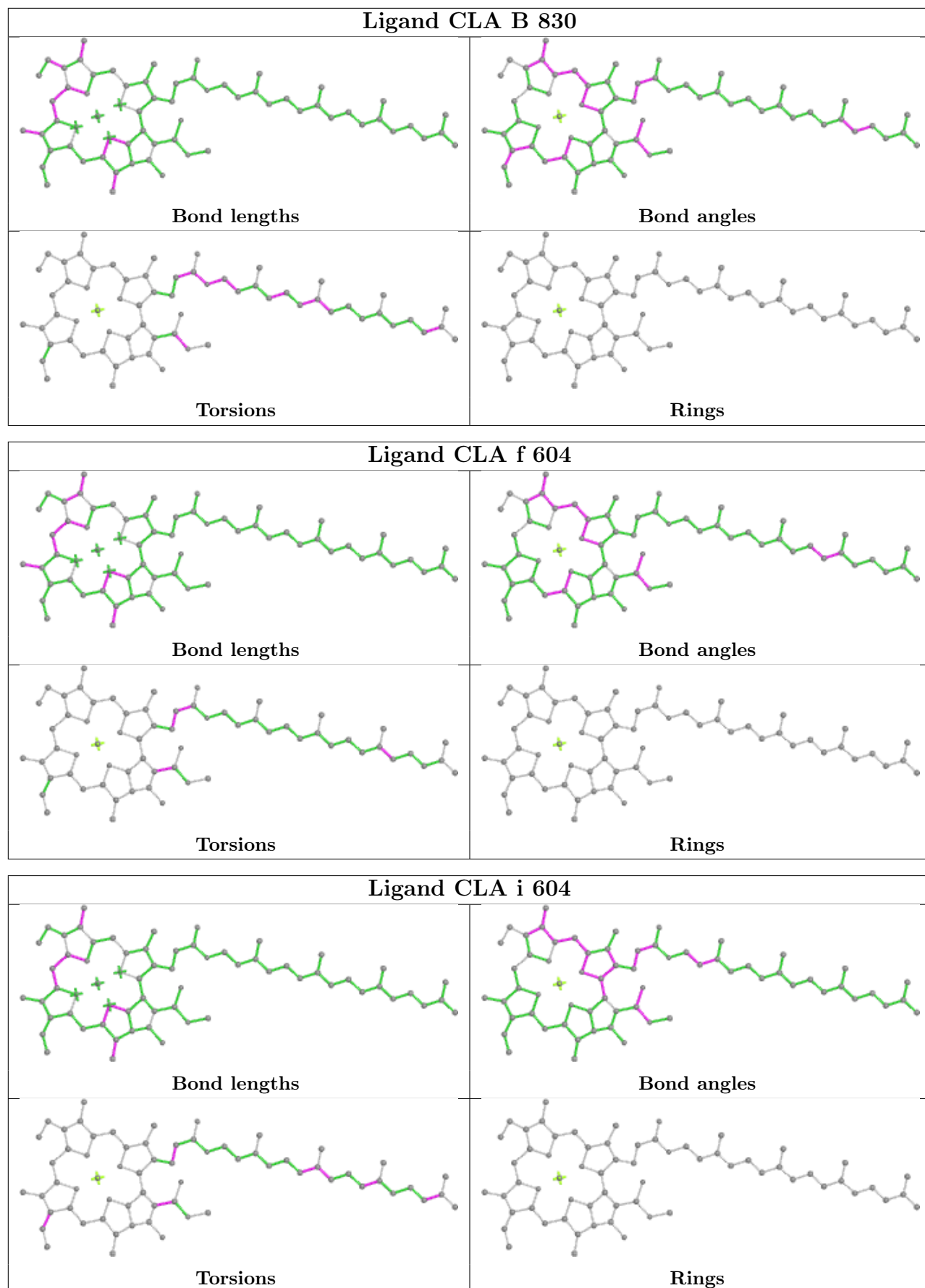


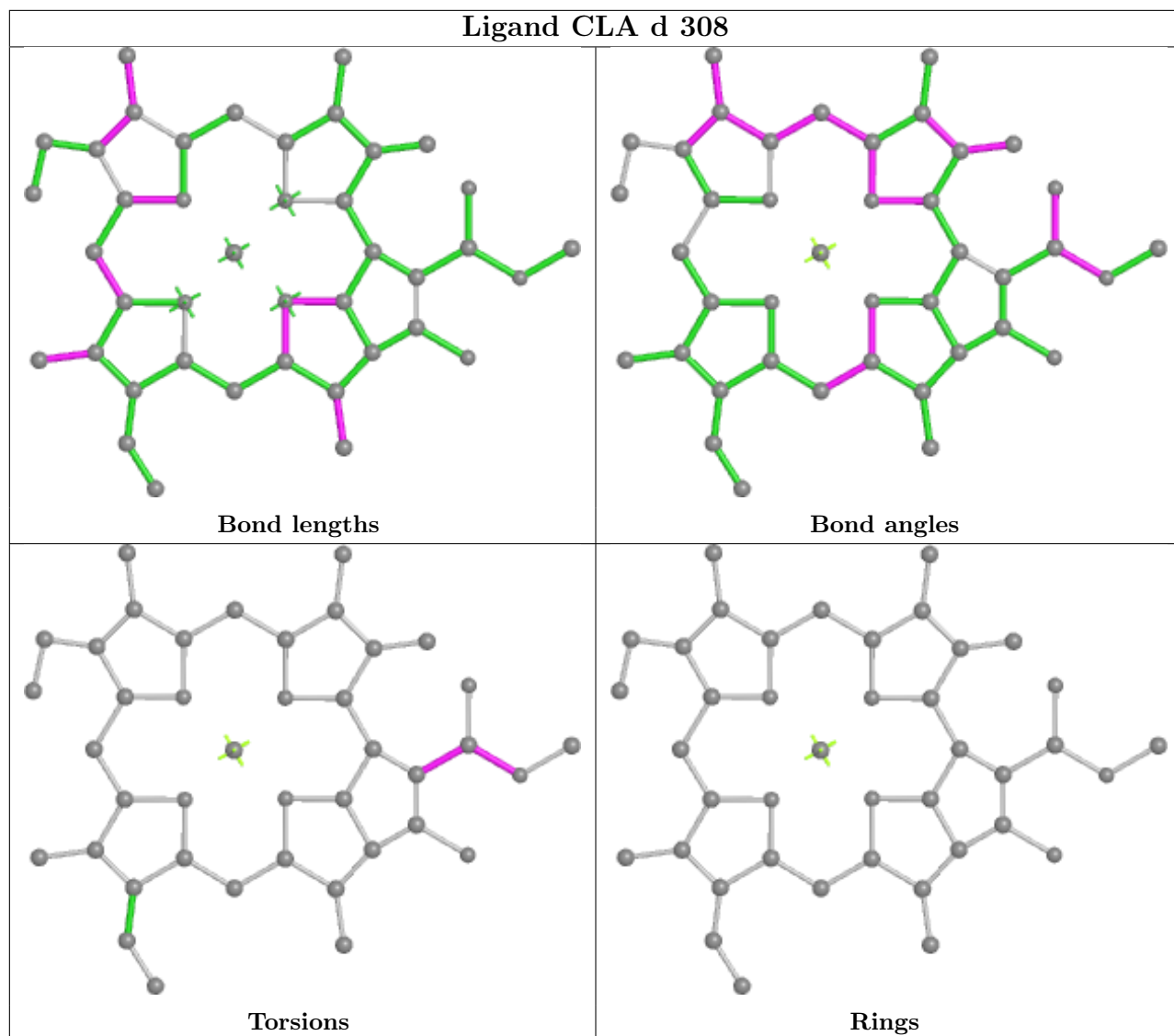


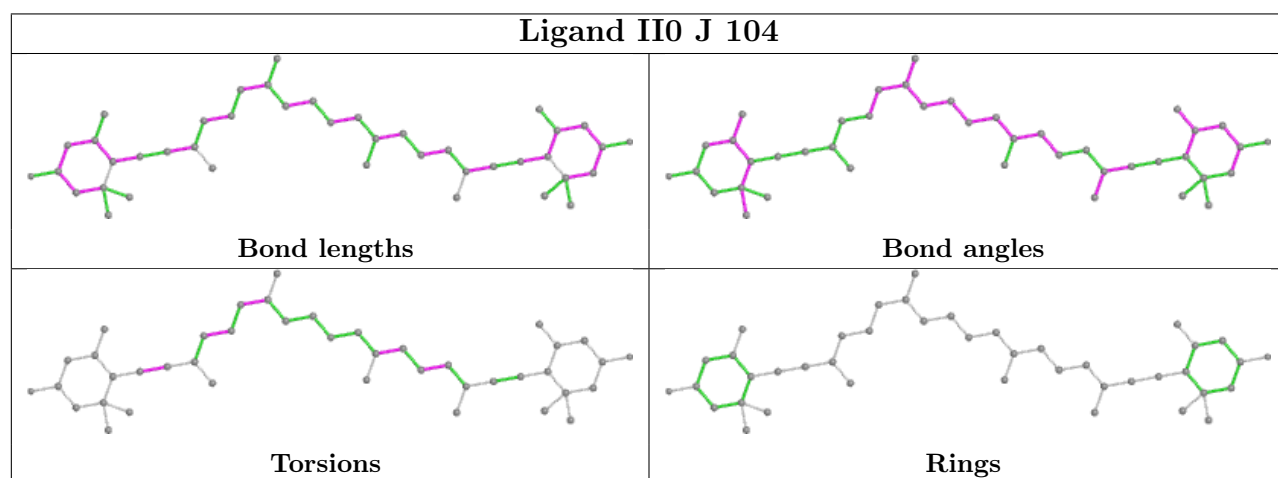
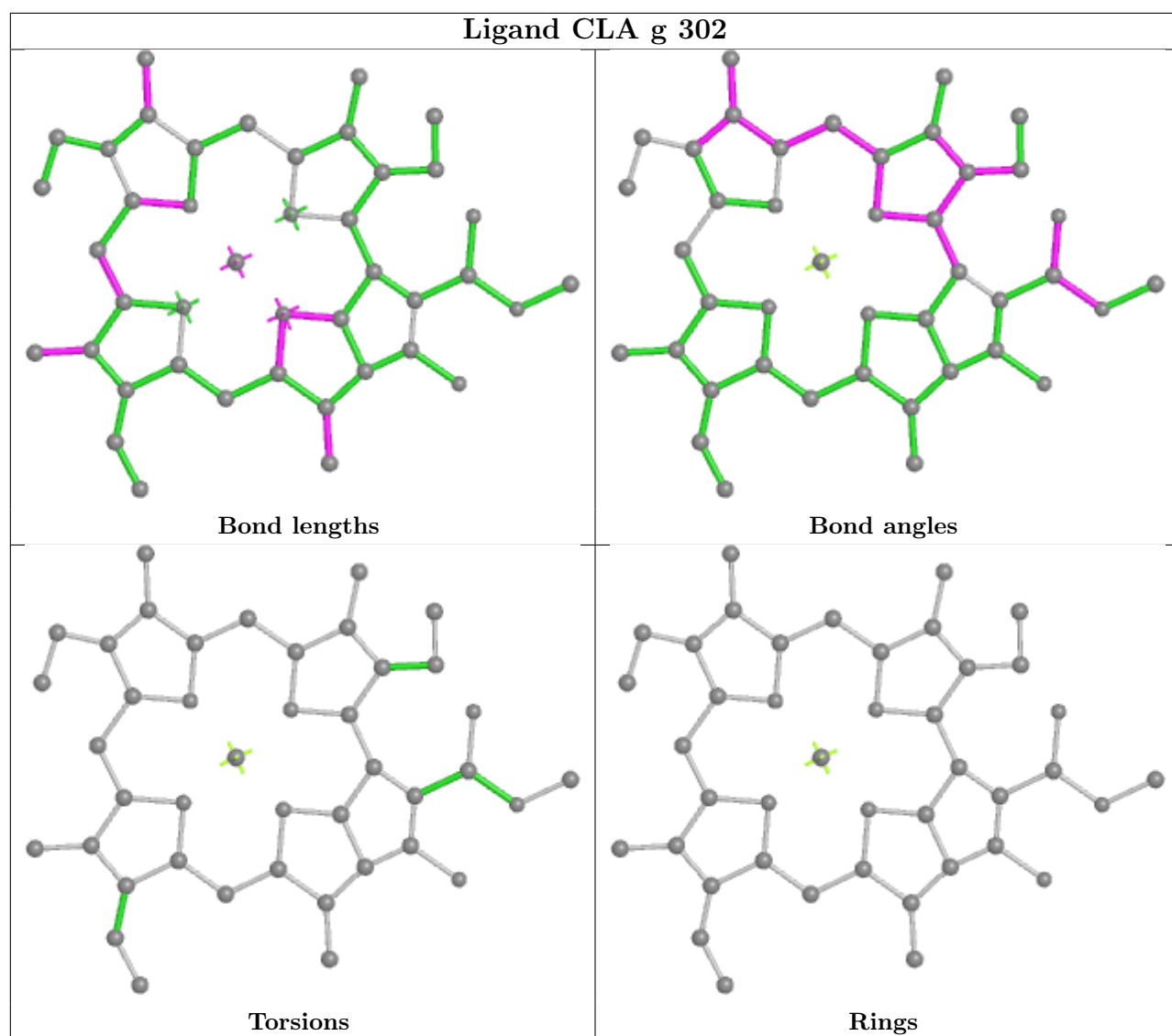


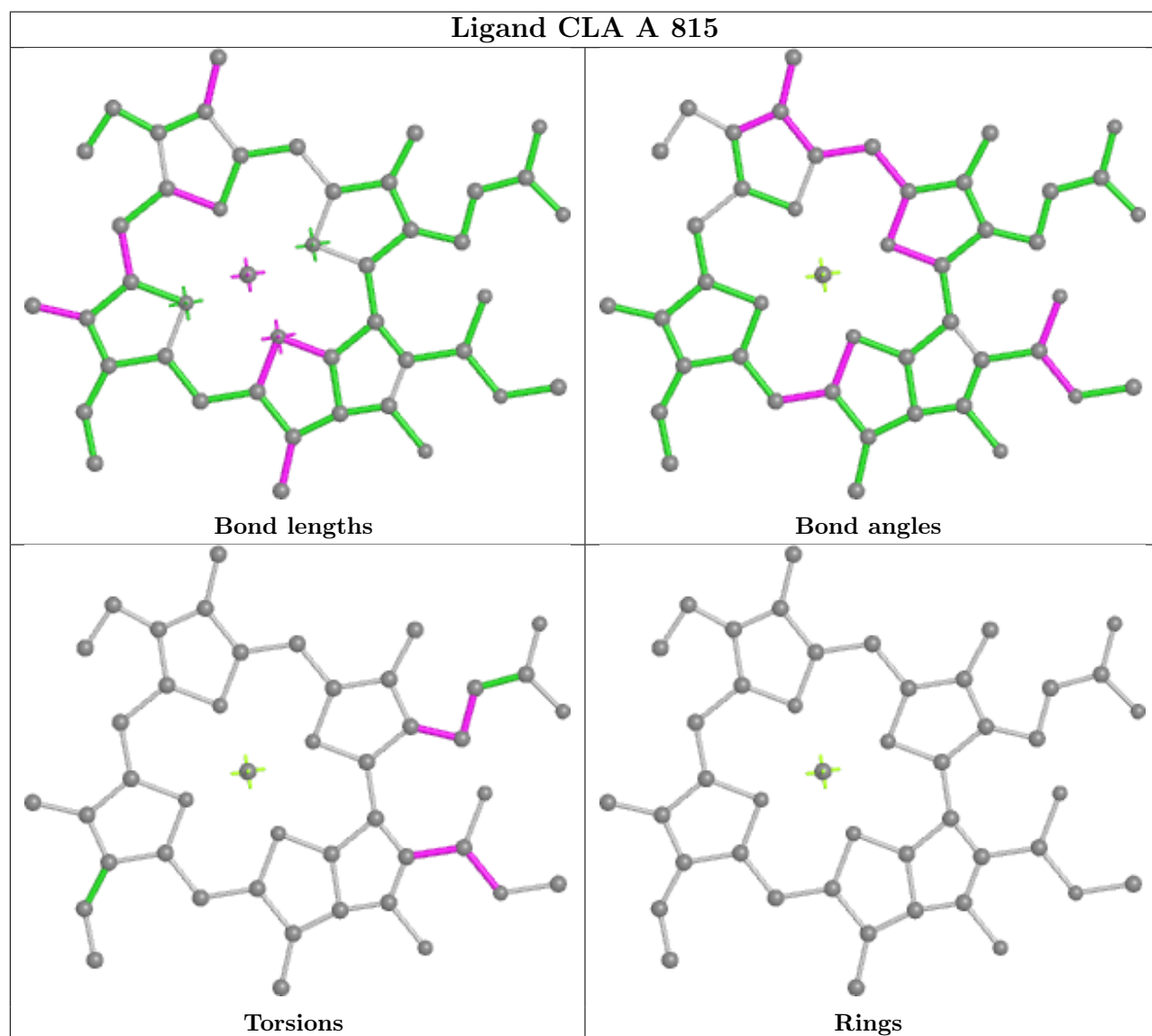
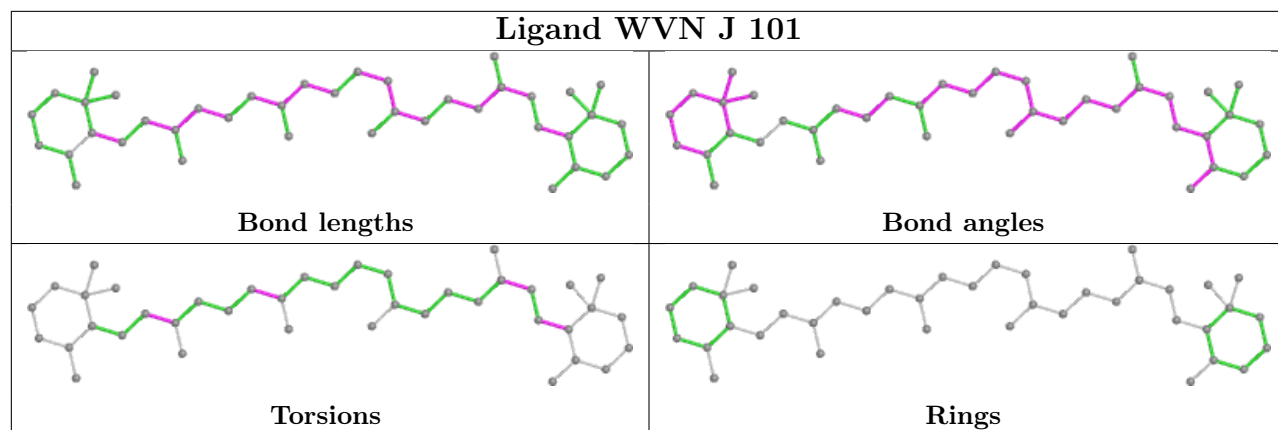


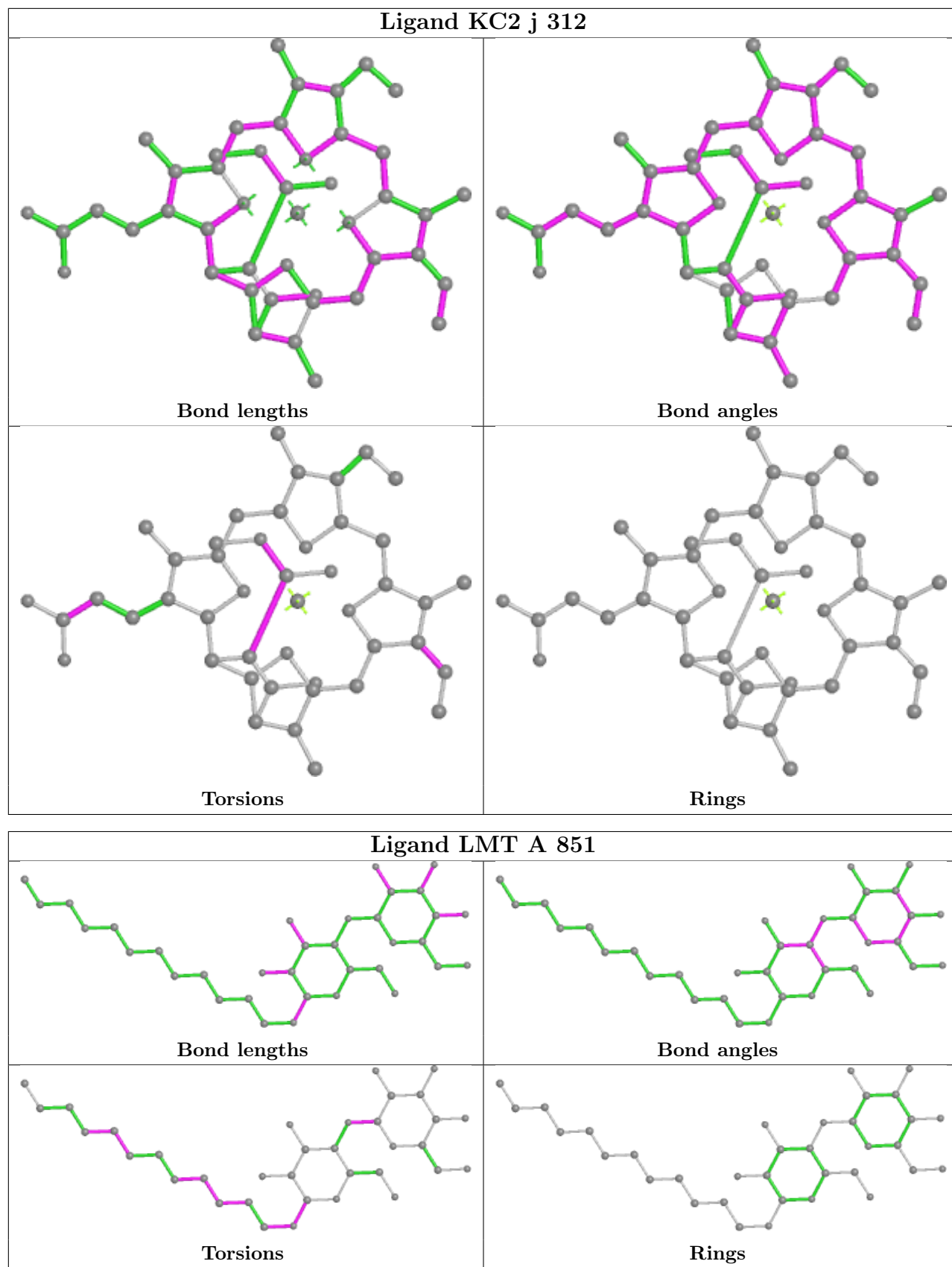












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

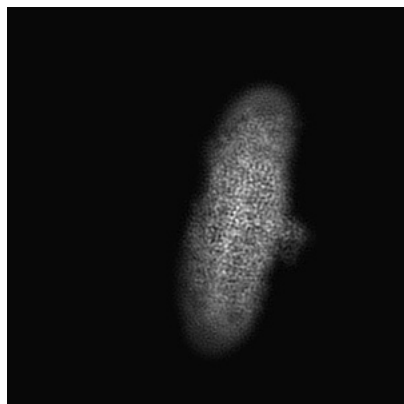
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-37660. These allow visual inspection of the internal detail of the map and identification of artifacts.

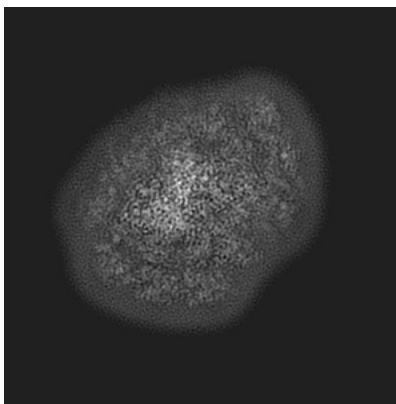
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

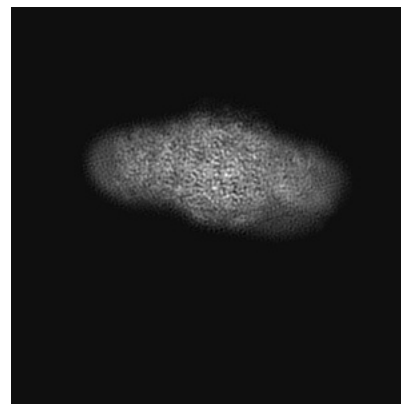
6.1.1 Primary map



X

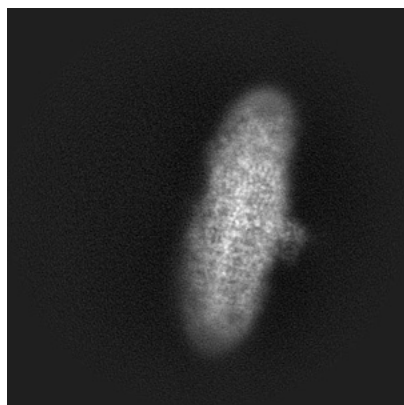


Y

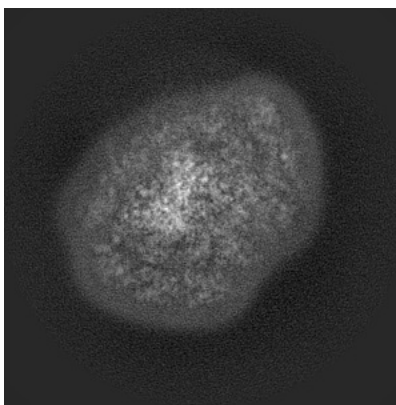


Z

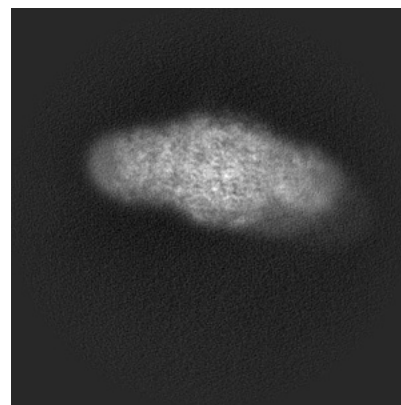
6.1.2 Raw map



X



Y

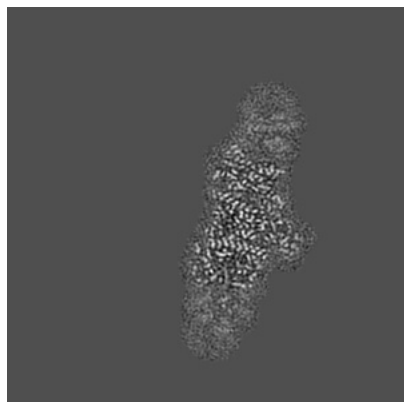


Z

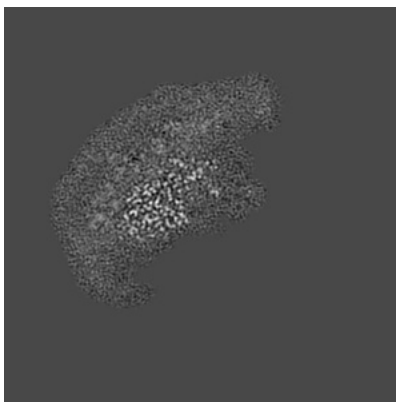
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

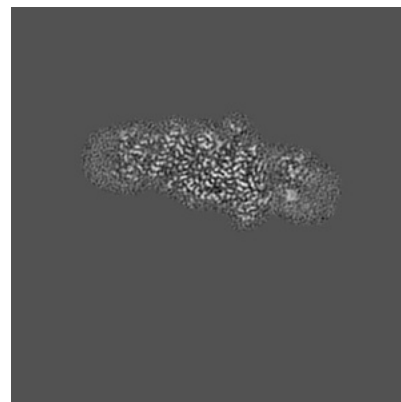
6.2.1 Primary map



X Index: 160

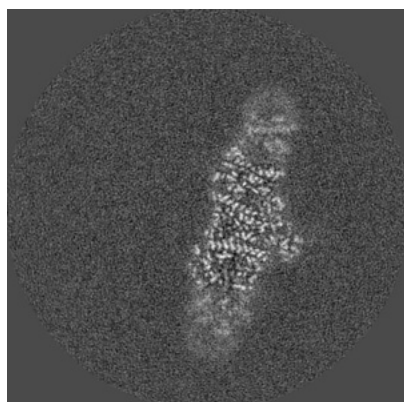


Y Index: 160

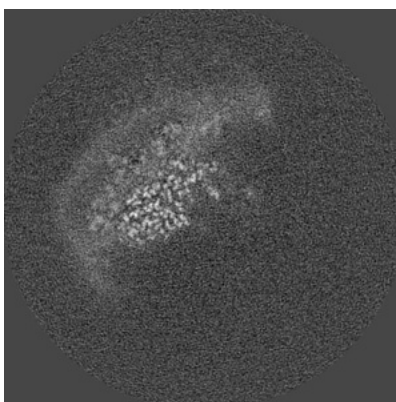


Z Index: 160

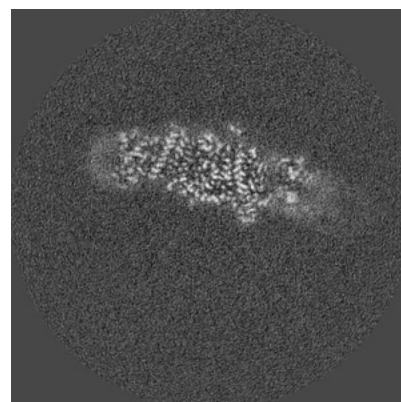
6.2.2 Raw map



X Index: 160



Y Index: 160

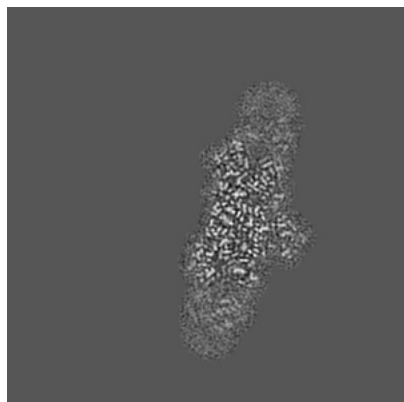


Z Index: 160

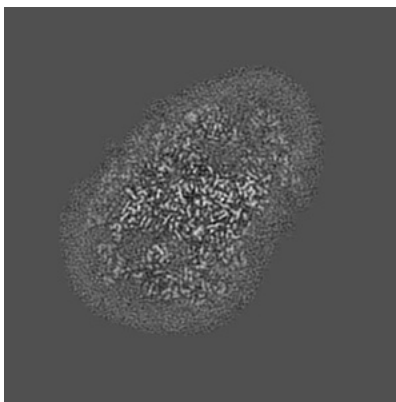
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

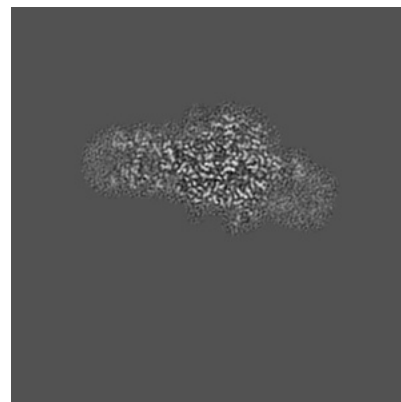
6.3.1 Primary map



X Index: 164

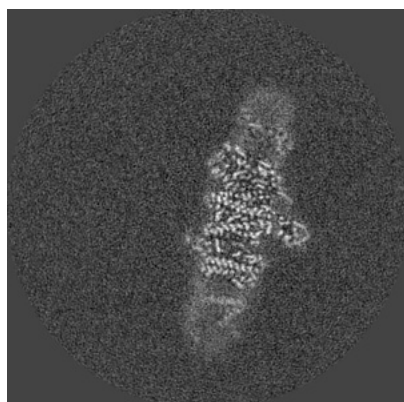


Y Index: 185

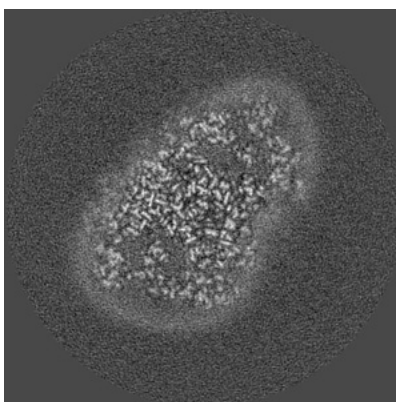


Z Index: 148

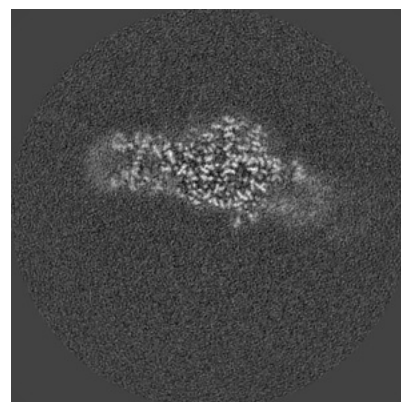
6.3.2 Raw map



X Index: 173



Y Index: 189

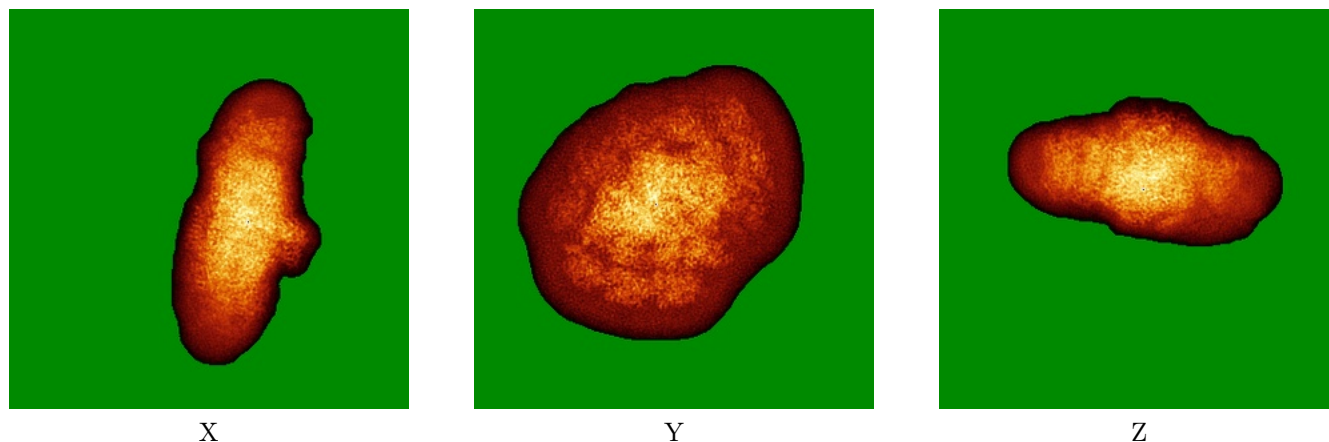


Z Index: 148

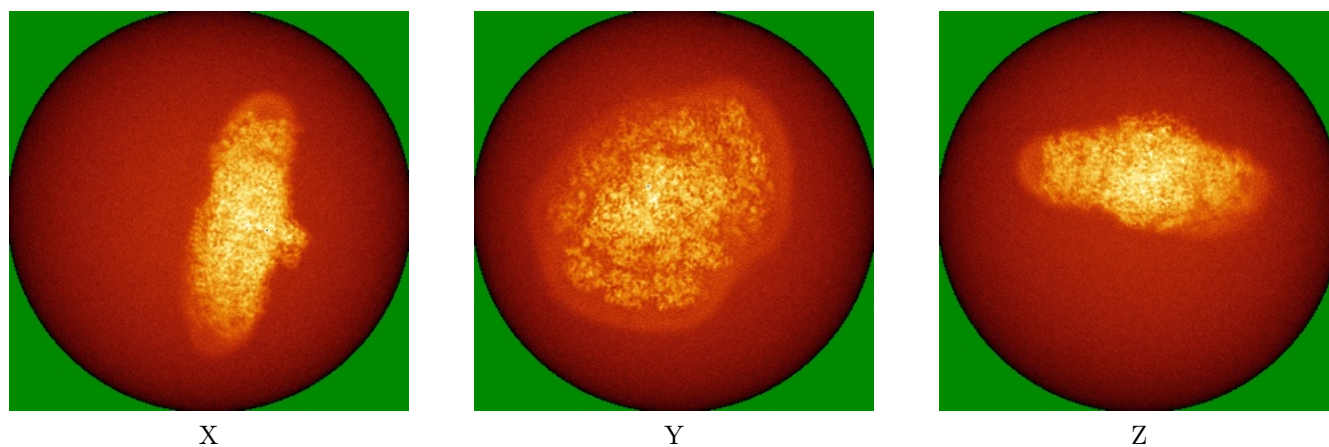
The images above show the largest variance slices of the map in three orthogonal directions.

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

6.4.1 Primary map



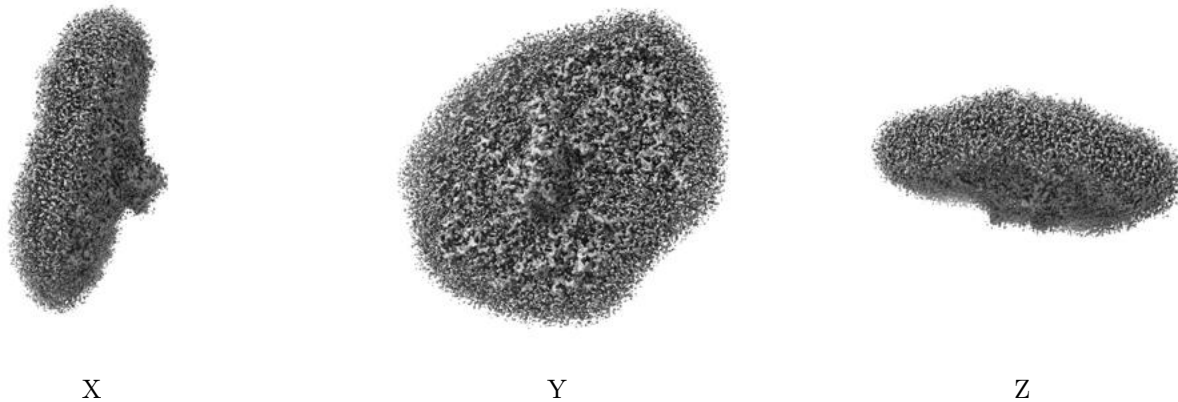
6.4.2 Raw map



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.

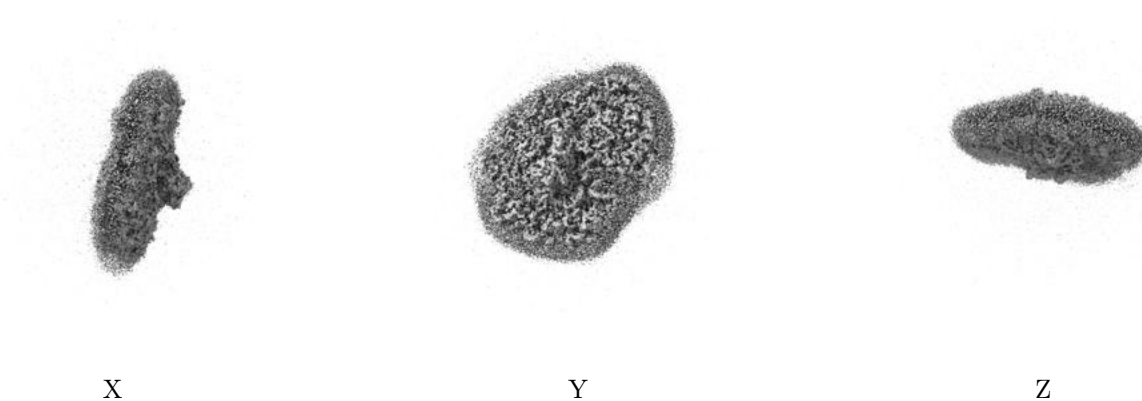
6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.018. 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.

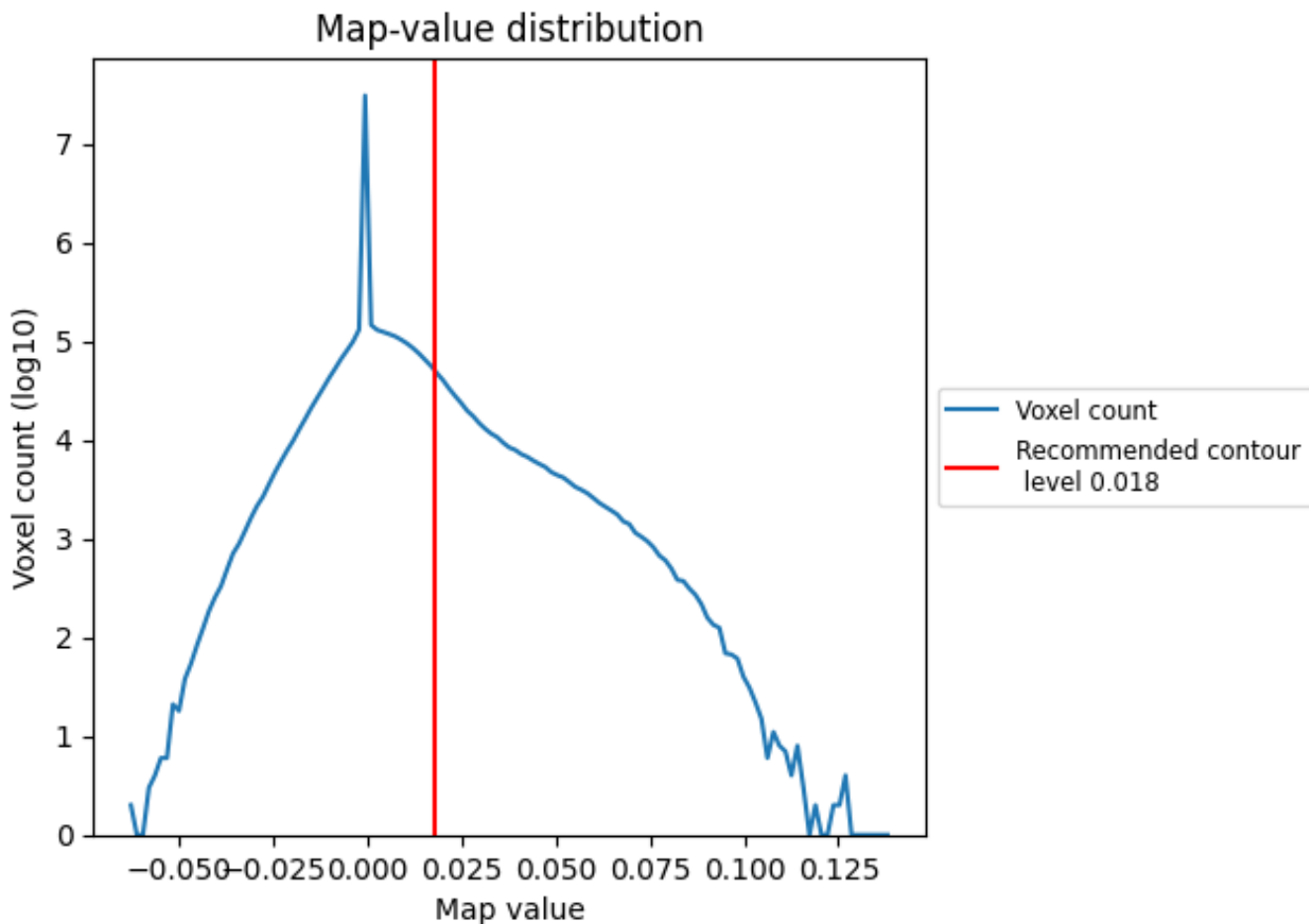
6.6 Mask visualisation [i](#)

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

7 Map analysis [i](#)

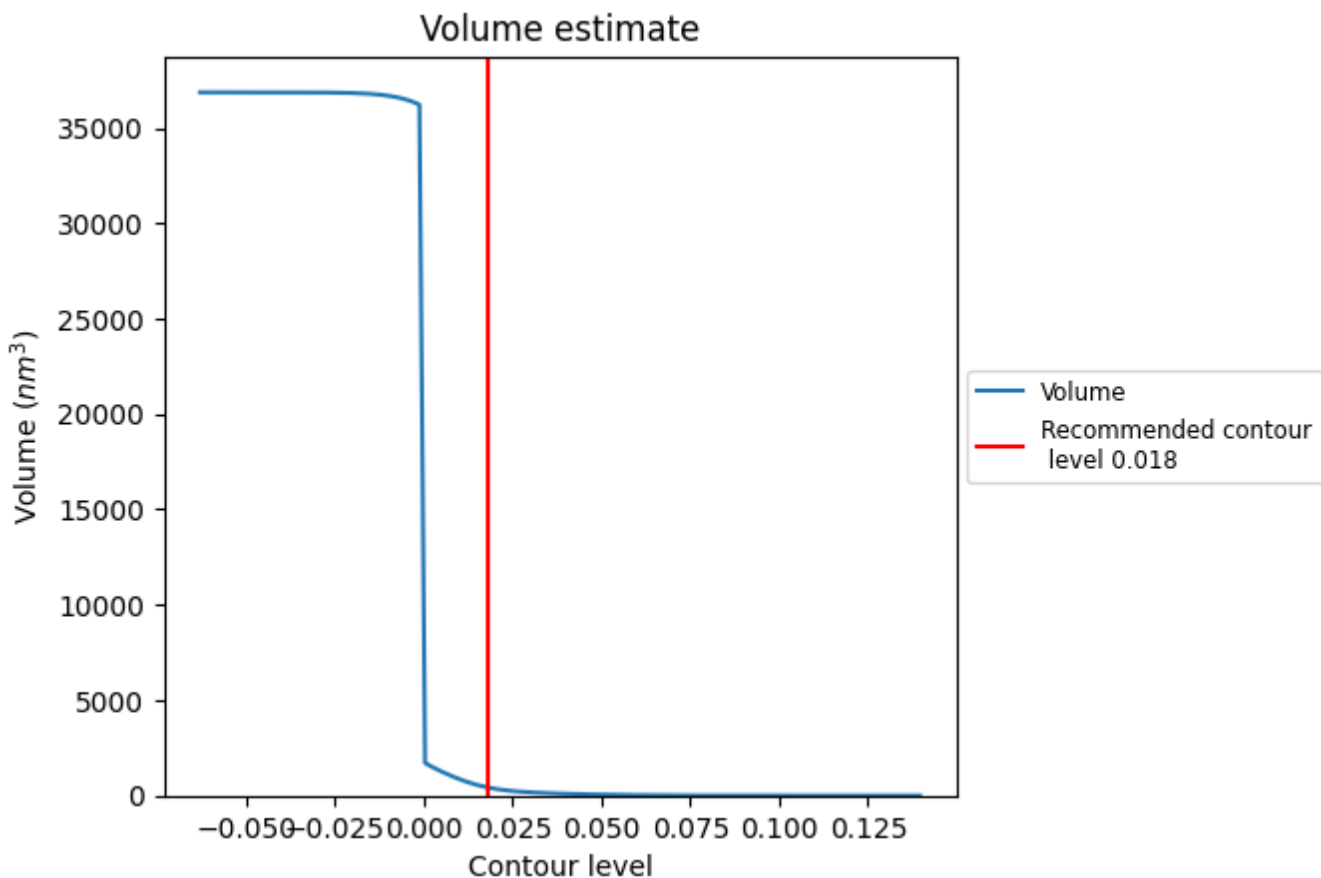
This section contains the results of statistical analysis of the map.

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.

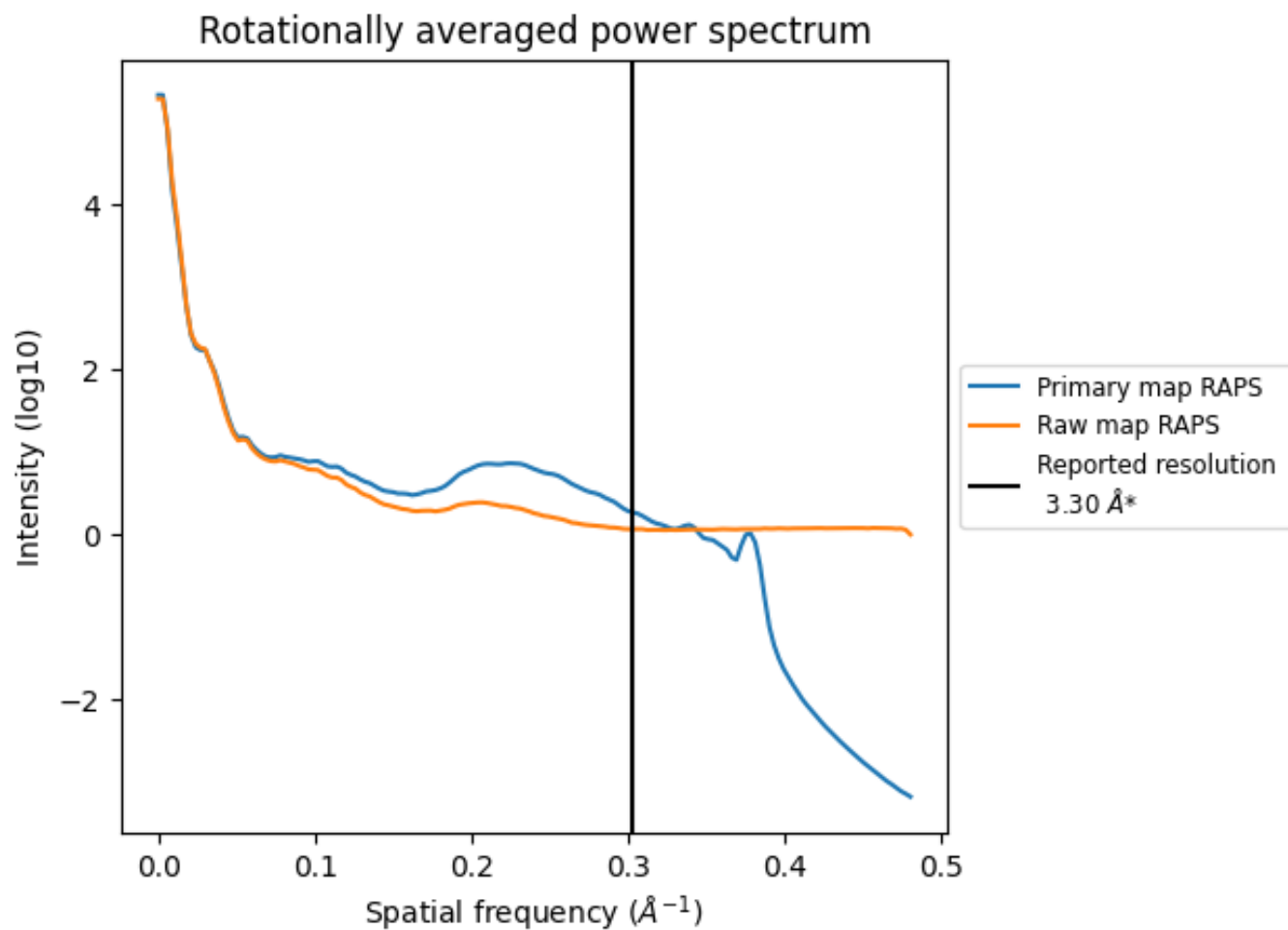
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 425 nm^3 ; this corresponds to an approximate mass of 384 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum i

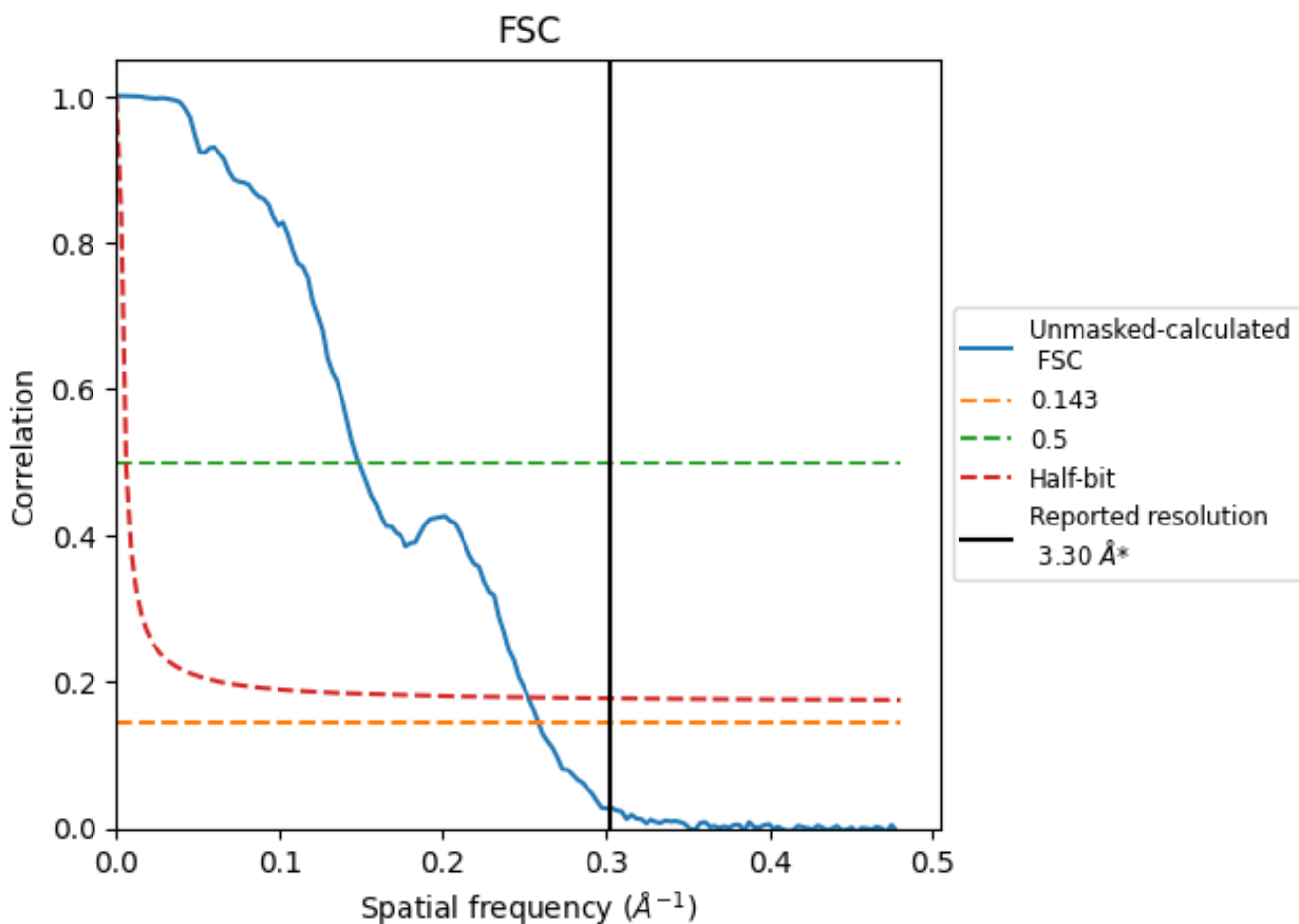


*Reported resolution corresponds to spatial frequency of 0.303 Å⁻¹

8 Fourier-Shell correlation [\(i\)](#)

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 0.303 Å⁻¹

8.2 Resolution estimates [i](#)

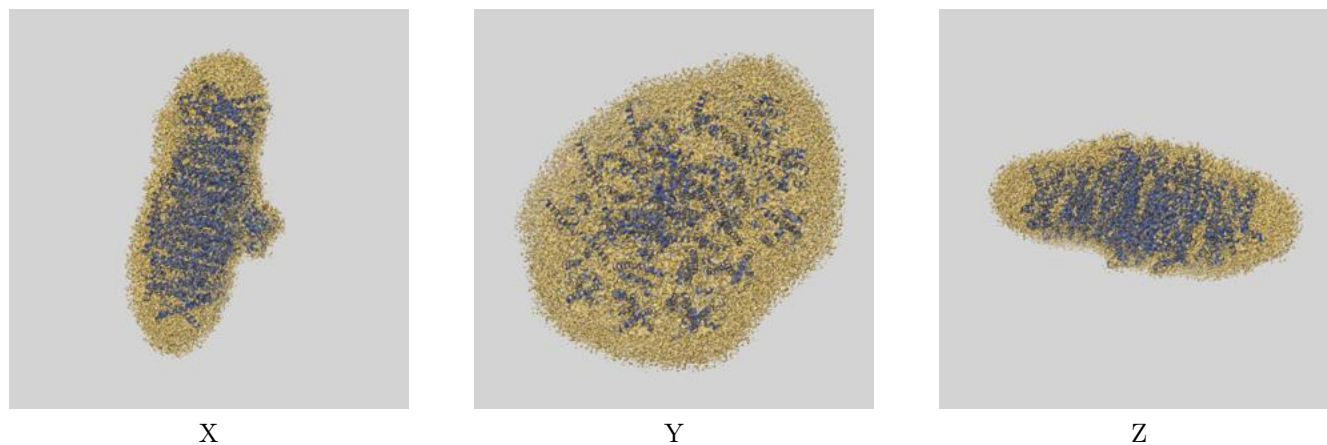
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.30	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	3.86	6.73	3.96

*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 3.86 differs from the reported value 3.3 by more than 10 %

9 Map-model fit [i](#)

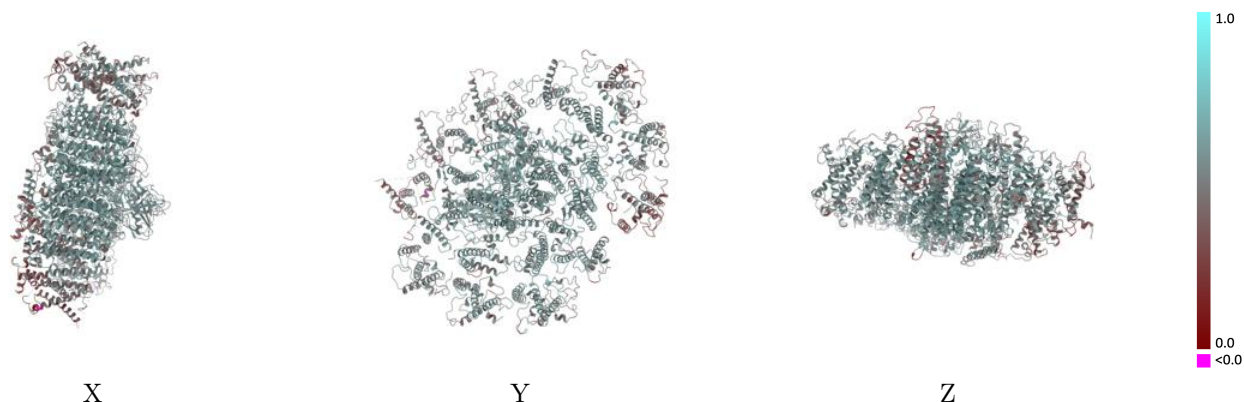
This section contains information regarding the fit between EMDB map EMD-37660 and PDB model 8WMW. Per-residue inclusion information can be found in section 3 on page 36.

9.1 Map-model overlay [i](#)



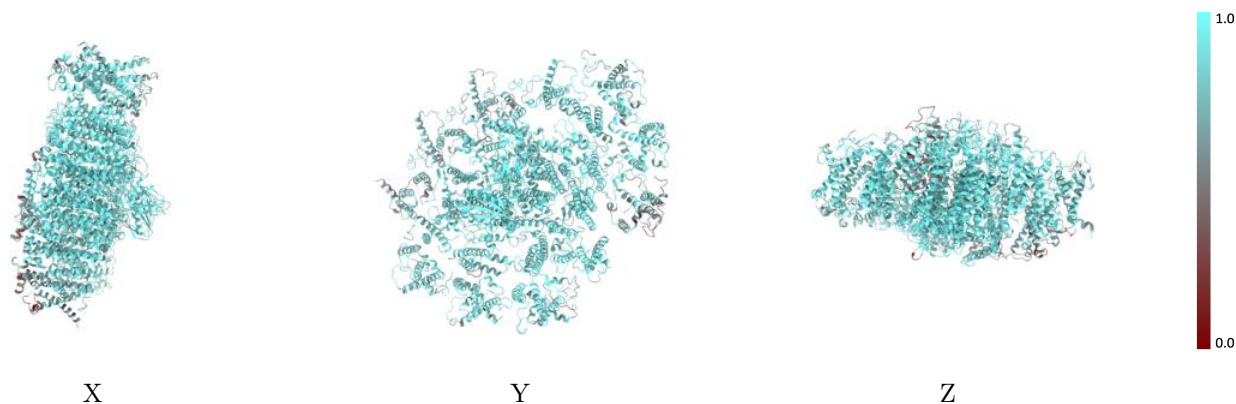
The images above show the 3D surface view of the map at the recommended contour level 0.018 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



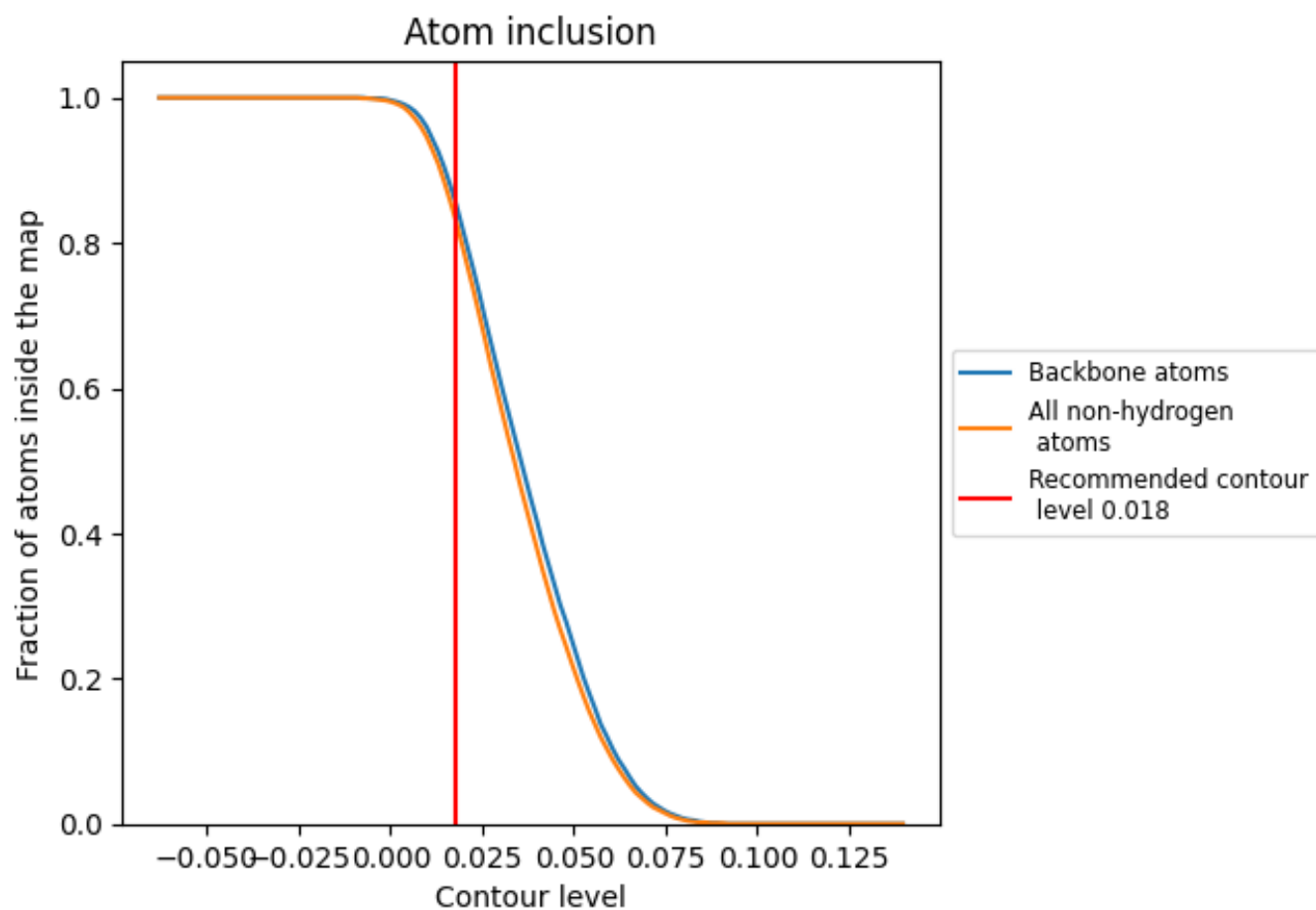
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (0.018).



















































9.4 Atom inclusion [i](#)



At the recommended contour level, 85% of all backbone atoms, 83% 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 (0.018) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.8280	 0.5260
A	 0.9240	 0.5940
B	 0.9400	 0.6010
C	 0.9580	 0.5970
D	 0.8850	 0.5460
E	 0.8530	 0.5280
F	 0.8620	 0.5410
I	 0.9090	 0.5670
J	 0.7980	 0.5290
K	 0.8520	 0.5270
L	 0.8780	 0.5610
M	 0.8990	 0.5650
O	 0.8330	 0.5300
R	 0.8860	 0.5630
a	 0.7950	 0.4970
b	 0.6090	 0.4170
c	 0.6560	 0.4220
d	 0.6030	 0.3760
e	 0.7660	 0.4850
f	 0.8260	 0.5290
g	 0.8100	 0.5240
h	 0.8530	 0.5400
i	 0.6260	 0.3890
j	 0.8120	 0.5130
k	 0.7100	 0.4220

