



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 4, 2026 – 05:21 PM EDT

PDB ID : 4V7R / pdb_00004v7r
Title : Yeast 80S ribosome.
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Deposited on : 2010-07-23
Resolution : 4.00 Å(reported)

This is a wwPDB X-ray Structure Validation Summary 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/XrayValidationReportHelp>

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:

MolProbity : 4-5-2 with Phenix2.0
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
Buster-report : wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4 : 9.0.015 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.50

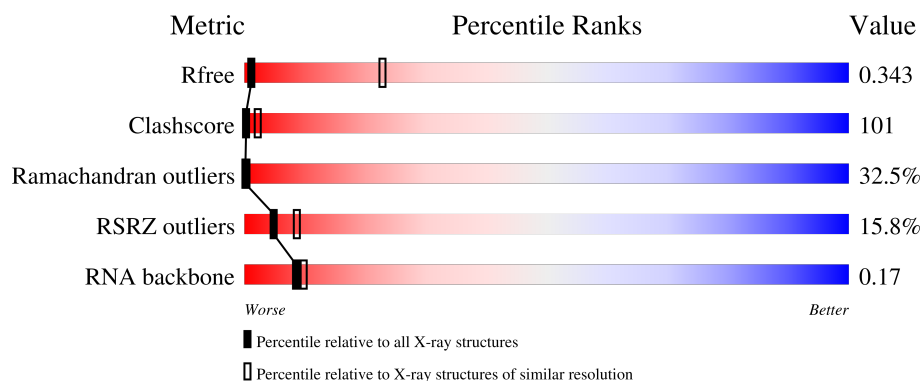
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 4.00 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)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1082 (4.20-3.80)
Clashscore	190562	1129 (4.20-3.80)
Ramachandran outliers	187476	1064 (4.20-3.80)
RSRZ outliers	180081	1082 (4.20-3.80)
RNA backbone	3983	1017 (4.84-3.10)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A1	1800	
1	C1	1800	
2	AA	252	
2	CA	252	
3	AB	254	

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Mol	Chain	Length	Quality of chain
3	CB	254	
4	AC	240	
4	CC	240	
5	AD	225	
5	CD	225	
6	AE	197	
6	CE	197	
7	AF	156	
7	CF	156	
8	AG	151	
8	CG	151	
9	AH	137	
9	CH	137	
10	AI	142	
10	CI	142	
11	AJ	143	
11	CJ	143	
12	AK	136	
12	CK	136	
13	AL	146	
13	CL	146	
14	AM	144	
14	CM	144	
15	AN	121	
15	CN	121	

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Mol	Chain	Length	Quality of chain
16	AO	130	
16	CO	130	
17	AP	145	
17	CP	145	
18	AQ	108	
18	CQ	108	
19	AR	67	
19	CR	67	
20	AS	56	
20	CS	56	
21	AT	319	
21	CT	319	
22	Aa	20	
22	Bo	20	
22	Ca	20	
23	Ab	105	
23	Cb	105	
24	Ac	93	
24	Cc	93	
25	Ad	35	
25	Cd	35	
26	Ae	21	
26	Bj	21	
26	Dj	21	
27	Af	11	

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Mol	Chain	Length	Quality of chain
28	Ah	41	
28	Ch	41	
29	B1	3396	
29	D1	3396	
30	B2	121	
30	D2	121	
31	B3	158	
31	D3	158	
32	BA	217	
32	DA	217	
33	BB	254	
33	DB	254	
34	BC	387	
34	DC	387	
35	BD	362	
35	DD	362	
36	BE	297	
36	DE	297	
37	BF	176	
37	DF	176	
38	BG	244	
38	DG	244	
39	BH	256	
39	DH	256	
40	BI	191	

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Mol	Chain	Length	Quality of chain
40	DI	191	
41	BJ	221	
41	DJ	221	
42	BK	174	
42	DK	174	
43	BN	138	
43	DN	138	
44	BO	204	
44	DO	204	
45	BP	199	
45	DP	199	
46	BQ	184	
46	DQ	184	
47	BR	186	
47	DR	186	
48	BS	189	
48	DS	189	
49	BT	160	
49	DT	160	
50	BU	137	
50	DU	137	
51	BV	155	
51	DV	155	
52	BW	142	
52	DW	142	

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Mol	Chain	Length	Quality of chain
53	BX	127	
53	DX	127	
54	BY	149	
54	DY	149	
55	BZ	105	
55	DZ	105	
56	Ba	113	
56	Da	113	
57	Bb	130	
57	Db	130	
58	Bc	120	
58	Dc	120	
59	Bd	88	
59	Dd	88	
60	Be	51	
60	De	51	
61	Bf	106	
61	Df	106	
62	Bg	92	
62	Dg	92	
63	Bh	44	
63	Dh	44	
64	Bi	12	
64	Di	12	
65	Bk	16	

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Mol	Chain	Length	Quality of chain
65	Dk	16	
66	Bl	19	
67	Bm	9	
68	Bn	27	
69	Bp	8	
70	Bq	17	
71	Br	23	
72	DL	165	
73	DM	312	

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
74	OHX	A1	1901	-	-	X	-
74	OHX	A1	1910	-	-	X	-
74	OHX	A1	1913	-	-	X	-
74	OHX	A1	1915	-	-	X	-
74	OHX	A1	1916	-	-	X	-
74	OHX	A1	1917	-	-	X	-
74	OHX	A1	1931	-	-	X	-
74	OHX	A1	1943	-	-	X	-
74	OHX	A1	1949	-	-	X	-
74	OHX	A1	1953	-	-	-	X
74	OHX	A1	1966	-	-	-	X
74	OHX	A1	1974	-	-	-	X
74	OHX	A1	1975	-	-	X	-
74	OHX	A1	1976	-	-	X	-
74	OHX	A1	1978	-	-	-	X
74	OHX	A1	1983	-	-	-	X
74	OHX	A1	1986	-	-	X	-
74	OHX	A1	1988	-	-	-	X
74	OHX	A1	1993	-	-	-	X
74	OHX	A1	1995	-	-	-	X
74	OHX	A1	1996	-	-	-	X
74	OHX	A1	1998	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
74	OHX	AS	101	-	-	X	-
74	OHX	B1	3428	-	-	X	-
74	OHX	B1	3438	-	-	X	-
74	OHX	B1	3449	-	-	X	-
74	OHX	B1	3450	-	-	X	-
74	OHX	B1	3479	-	-	X	-
74	OHX	B1	3492	-	-	X	-
74	OHX	B1	3505	-	-	X	-
74	OHX	B1	3515	-	-	-	X
74	OHX	B1	3529	-	-	X	-
74	OHX	B1	3533	-	-	-	X
74	OHX	B1	3536	-	-	X	-
74	OHX	B1	3537	-	-	X	-
74	OHX	B1	3542	-	-	-	X
74	OHX	B1	3545	-	-	-	X
74	OHX	B1	3548	-	-	-	X
74	OHX	B1	3551	-	-	-	X
74	OHX	B1	3554	-	-	-	X
74	OHX	B1	3555	-	-	-	X
74	OHX	B1	3558	-	-	X	-
74	OHX	B1	3563	-	-	X	-
74	OHX	B1	3567	-	-	X	-
74	OHX	B1	3577	-	-	-	X
74	OHX	B1	3581	-	-	X	-
74	OHX	B1	3584	-	-	-	X
74	OHX	B1	3587	-	-	X	-
74	OHX	B1	3589	-	-	-	X
74	OHX	B1	3592	-	-	-	X
74	OHX	B1	3599	-	-	X	-
74	OHX	B1	3602	-	-	-	X
74	OHX	B1	3608	-	-	-	X
74	OHX	B1	3609	-	-	-	X
74	OHX	B1	3613	-	-	-	X
74	OHX	B1	3620	-	-	X	-
74	OHX	B2	201	-	-	X	-
74	OHX	B2	207	-	-	-	X
74	OHX	B2	208	-	-	-	X
74	OHX	B2	210	-	-	-	X
74	OHX	B3	206	-	-	X	-
74	OHX	BO	301	-	-	-	X
74	OHX	Bd	101	-	-	X	-
74	OHX	Bg	101	-	-	X	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
74	OHX	C1	1916	-	-	X	-
74	OHX	C1	1917	-	-	X	-
74	OHX	C1	1924	-	-	X	-
74	OHX	C1	1928	-	-	X	-
74	OHX	C1	1930	-	-	X	-
74	OHX	C1	1933	-	-	X	-
74	OHX	C1	1955	-	-	X	-
74	OHX	C1	1957	-	-	-	X
74	OHX	C1	1964	-	-	X	-
74	OHX	C1	1970	-	-	X	-
74	OHX	C1	1974	-	-	-	X
74	OHX	C1	1976	-	-	-	X
74	OHX	C1	1978	-	-	-	X
74	OHX	C1	1980	-	-	-	X
74	OHX	C1	1983	-	-	X	-
74	OHX	C1	1985	-	-	-	X
74	OHX	C1	1988	-	-	-	X
74	OHX	C1	1989	-	-	-	X
74	OHX	C1	1991	-	-	-	X
74	OHX	C1	1995	-	-	-	X
74	OHX	C1	1996	-	-	-	X
74	OHX	C1	1998	-	-	-	X
74	OHX	CS	101	-	-	X	-
74	OHX	D1	3408	-	-	X	-
74	OHX	D1	3415	-	-	X	-
74	OHX	D1	3430	-	-	X	-
74	OHX	D1	3431	-	-	X	-
74	OHX	D1	3452	-	-	X	-
74	OHX	D1	3463	-	-	X	-
74	OHX	D1	3473	-	-	X	-
74	OHX	D1	3480	-	-	X	-
74	OHX	D1	3502	-	-	X	-
74	OHX	D1	3506	-	-	-	X
74	OHX	D1	3509	-	-	-	X
74	OHX	D1	3516	-	-	-	X
74	OHX	D1	3519	-	-	-	X
74	OHX	D1	3522	-	-	-	X
74	OHX	D1	3535	-	-	-	X
74	OHX	D1	3541	-	-	-	X
74	OHX	D1	3543	-	-	X	-
74	OHX	D1	3545	-	-	-	X
74	OHX	D1	3555	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
74	OHX	D1	3567	-	-	X	-
74	OHX	D1	3568	-	-	X	X
74	OHX	D1	3573	-	-	-	X
74	OHX	D1	3574	-	-	X	-
74	OHX	D1	3578	-	-	-	X
74	OHX	D1	3582	-	-	X	-
74	OHX	D1	3583	-	-	X	-
74	OHX	D1	3586	-	-	-	X
74	OHX	D1	3587	-	-	-	X
74	OHX	D1	3588	-	-	X	-
74	OHX	D1	3593	-	-	-	X
74	OHX	D1	3595	-	-	-	X
74	OHX	D1	3601	-	-	-	X
74	OHX	D1	3603	-	-	-	X
74	OHX	D1	3605	-	-	-	X
74	OHX	D1	3610	-	-	-	X
74	OHX	D1	3616	-	-	-	X
74	OHX	D1	3623	-	-	-	X
74	OHX	D2	201	-	-	X	-
74	OHX	D2	207	-	-	X	-
74	OHX	D3	202	-	-	X	-
74	OHX	D3	205	-	-	X	-
74	OHX	D3	206	-	-	-	X
74	OHX	D3	212	-	-	X	-
74	OHX	DO	301	-	-	X	-
74	OHX	Dd	101	-	-	X	-
74	OHX	Dg	101	-	-	X	-

2 Entry composition

There are 74 unique types of molecules in this entry. The entry contains 309610 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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 RNA chain called 18S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A1	1789	Total	C	N	O	P	0	0	0
			38107	17037	6732	12549	1789			
1	C1	1789	Total	C	N	O	P	0	0	0
			38107	17037	6732	12549	1789			

- Molecule 2 is a protein called 40S ribosomal protein S0-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
2	AA	220	Total	C	N	O	0	0	0
			1090	650	220	220			
2	CA	220	Total	C	N	O	0	0	0
			1090	650	220	220			

- Molecule 3 is a protein called 40S ribosomal protein S2.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
3	AB	219	Total	C	N	O	0	0	0
			1074	636	219	219			
3	CB	219	Total	C	N	O	0	0	0
			1074	636	219	219			

- Molecule 4 is a protein called 40S ribosomal protein S3.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
4	AC	189	Total	C	N	O	0	0	0
			928	550	189	189			
4	CC	189	Total	C	N	O	0	0	0
			928	550	189	189			

- Molecule 5 is a protein called 40S ribosomal protein S5.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
5	AD	169	Total	C	N	O	0	0	0
			836	498	169	169			
5	CD	169	Total	C	N	O	0	0	0
			836	498	169	169			

- Molecule 6 is a protein called 40S ribosomal protein S9-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
6	AE	157	Total	C	N	O	0	0	0
			777	463	157	157			
6	CE	157	Total	C	N	O	0	0	0
			777	463	157	157			

- Molecule 7 is a protein called 40S ribosomal protein S11.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
7	AF	77	Total	C	N	O	0	0	0
			382	228	77	77			
7	CF	77	Total	C	N	O	0	0	0
			382	228	77	77			

- Molecule 8 is a protein called 40S ribosomal protein S13.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
8	AG	117	Total	C	N	O	0	0	0
			580	346	117	117			
8	CG	117	Total	C	N	O	0	0	0
			580	346	117	117			

- Molecule 9 is a protein called 40S ribosomal protein S14-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	AH	128	Total	C	N	O	0	0	0
			627	371	128	128			
9	CH	128	Total	C	N	O	0	0	0
			627	371	128	128			

- Molecule 10 is a protein called 40S ribosomal protein S15.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
10	AI	121	Total	C	N	O	0	0	0
			596	354	121	121			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
10	CI	121	Total	C	N	O	0	0	0
			596	354	121	121			

- Molecule 11 is a protein called 40S ribosomal protein S16.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
11	AJ	134	Total	C	N	O	0	0	0
			658	390	134	134			
11	CJ	134	Total	C	N	O	0	0	0
			658	390	134	134			

- Molecule 12 is a protein called 40S ribosomal protein S17-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	AK	67	Total	C	N	O	0	0	0
			332	198	67	67			
12	CK	67	Total	C	N	O	0	0	0
			332	198	67	67			

- Molecule 13 is a protein called 40S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
13	AL	120	Total	C	N	O	0	0	0
			591	351	120	120			
13	CL	120	Total	C	N	O	0	0	0
			591	351	120	120			

- Molecule 14 is a protein called 40S ribosomal protein S19-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	AM	106	Total	C	N	O	0	0	0
			521	309	106	106			
14	CM	106	Total	C	N	O	0	0	0
			521	309	106	106			

- Molecule 15 is a protein called 40S ribosomal protein S20.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
15	AN	111	Total	C	N	O	0	0	0
			551	329	111	111			
15	CN	111	Total	C	N	O	0	0	0
			551	329	111	111			

- Molecule 16 is a protein called 40S ribosomal protein S22-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
16	AO	127	Total	C	N	O	0	0	0
			622	368	127	127			
16	CO	127	Total	C	N	O	0	0	0
			622	368	127	127			

- Molecule 17 is a protein called 40S ribosomal protein S23.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
17	AP	116	Total	C	N	O	0	0	0
			566	334	116	116			
17	CP	116	Total	C	N	O	0	0	0
			566	334	116	116			

- Molecule 18 is a protein called 40S ribosomal protein S25-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	AQ	67	Total	C	N	O	0	0	0
			332	198	67	67			
18	CQ	63	Total	C	N	O	0	0	0
			312	186	63	63			

- Molecule 19 is a protein called 40S ribosomal protein S28-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
19	AR	47	Total	C	N	O	0	0	0
			230	136	47	47			
19	CR	47	Total	C	N	O	0	0	0
			230	136	47	47			

- Molecule 20 is a protein called 40S ribosomal protein S29-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
20	AS	39	Total	C	N	O	0	0	0
			190	112	39	39			
20	CS	39	Total	C	N	O	0	0	0
			190	112	39	39			

- Molecule 21 is a protein called Guanine nucleotide-binding protein subunit beta-like protein; RACK-1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
21	AT	313	Total	C	N	O	0	0	0
			1543	917	313	313			
21	CT	313	Total	C	N	O	0	0	0
			1543	917	313	313			

- Molecule 22 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
22	Aa	20	Total	C	N	O	0	0	0
			100	60	20	20			
22	Bo	20	Total	C	N	O	0	0	0
			100	60	20	20			
22	Ca	20	Total	C	N	O	0	0	0
			100	60	20	20			

- Molecule 23 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
23	Ab	105	Total	C	N	O	0	0	0
			525	315	105	105			
23	Cb	105	Total	C	N	O	0	0	0
			525	315	105	105			

- Molecule 24 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
24	Ac	93	Total	C	N	O	0	0	0
			465	279	93	93			
24	Cc	93	Total	C	N	O	0	0	0
			465	279	93	93			

- Molecule 25 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	Ad	35	Total	C	N	O	0	0	0
			175	105	35	35			
25	Cd	35	Total	C	N	O	0	0	0
			175	105	35	35			

- Molecule 26 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
26	Ae	21	Total	C	N	O	0	0	0
			105	63	21	21			
26	Bj	21	Total	C	N	O	0	0	0
			105	63	21	21			
26	Dj	21	Total	C	N	O	0	0	0
			105	63	21	21			

- Molecule 27 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
27	Af	11	Total	C	N	O	0	0	0
			55	33	11	11			

- Molecule 28 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
28	Ah	41	Total	C	N	O	0	0	0
			205	123	41	41			
28	Ch	41	Total	C	N	O	0	0	0
			205	123	41	41			

- Molecule 29 is a RNA chain called 25S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	B1	3206	Total	C	N	O	P	0	0	0
			68577	30632	12365	22374	3206			
29	D1	3206	Total	C	N	O	P	0	0	0
			68577	30632	12365	22374	3206			

- Molecule 30 is a RNA chain called 5S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	B2	121	Total	C	N	O	P	0	0	0
			2579	1152	461	845	121			
30	D2	121	Total	C	N	O	P	0	0	0
			2579	1152	461	845	121			

- Molecule 31 is a RNA chain called 5.8S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	B3	158	Total	C	N	O	P	0	0	0
			3353	1500	586	1109	158			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	D3	158	Total	C	N	O	P	0	0	0
			3353	1500	586	1109	158			

- Molecule 32 is a protein called 60S ribosomal protein L1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
32	BA	213	Total	C	N	O	0	0	0
			1055	629	213	213			
32	DA	213	Total	C	N	O	0	0	0
			1055	629	213	213			

- Molecule 33 is a protein called 60S ribosomal protein L2.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
33	BB	234	Total	C	N	O	0	0	0
			1106	638	234	234			
33	DB	234	Total	C	N	O	0	0	0
			1106	638	234	234			

- Molecule 34 is a protein called 60S ribosomal protein L3.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
34	BC	364	Total	C	N	O	0	0	0
			1791	1063	364	364			
34	DC	364	Total	C	N	O	0	0	0
			1791	1063	364	364			

- Molecule 35 is a protein called 60S ribosomal protein L4-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
35	BD	268	Total	C	N	O	0	0	0
			1312	776	268	268			
35	DD	268	Total	C	N	O	0	0	0
			1312	776	268	268			

- Molecule 36 is a protein called 60S ribosomal protein L5.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
36	BE	287	Total	C	N	O	0	0	0
			1412	838	287	287			
36	DE	287	Total	C	N	O	0	0	0
			1412	838	287	287			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BE	112	ARG	LYS	conflict	UNP P26321
DE	112	ARG	LYS	conflict	UNP P26321

- Molecule 37 is a protein called 60S ribosomal protein L6-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
37	BF	176	Total	C	N	O	0	0	0
			873	521	176	176			
37	DF	176	Total	C	N	O	0	0	0
			873	521	176	176			

- Molecule 38 is a protein called 60S ribosomal protein L7-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
38	BG	215	Total	C	N	O	0	0	0
			1061	631	215	215			
38	DG	215	Total	C	N	O	0	0	0
			1061	631	215	215			

- Molecule 39 is a protein called 60S ribosomal protein L8-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	BH	173	Total	C	N	O	0	0	0
			856	510	173	173			
39	DH	173	Total	C	N	O	0	0	0
			856	510	173	173			

- Molecule 40 is a protein called 60S ribosomal protein L9-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	BI	191	Total	C	N	O	0	0	0
			942	560	191	191			
40	DI	191	Total	C	N	O	0	0	0
			942	560	191	191			

- Molecule 41 is a protein called 60S ribosomal protein L10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	BJ	208	Total	C	N	O	0	0	0
			1027	611	208	208			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	DJ	208	Total	C	N	O	0	0	0
			1027	611	208	208			

- Molecule 42 is a protein called 60S ribosomal protein L11-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
42	BK	165	Total	C	N	O	0	0	0
			810	480	165	165			
42	DK	165	Total	C	N	O	0	0	0
			810	480	165	165			

- Molecule 43 is a protein called 60S ribosomal protein L14-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
43	BN	120	Total	C	N	O	0	0	0
			593	353	120	120			
43	DN	120	Total	C	N	O	0	0	0
			593	353	120	120			

- Molecule 44 is a protein called 60S ribosomal protein L15-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
44	BO	187	Total	C	N	O	0	0	0
			923	549	187	187			
44	DO	187	Total	C	N	O	0	0	0
			923	549	187	187			

- Molecule 45 is a protein called 60S ribosomal protein L16-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
45	BP	196	Total	C	N	O	0	0	0
			967	575	196	196			
45	DP	196	Total	C	N	O	0	0	0
			967	575	196	196			

- Molecule 46 is a protein called 60S ribosomal protein L17-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
46	BQ	154	Total	C	N	O	0	0	0
			761	453	154	154			
46	DQ	154	Total	C	N	O	0	0	0
			761	453	154	154			

- Molecule 47 is a protein called 60S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
47	BR	143	Total	C	N	O	0	0	0
			706	420	143	143			
47	DR	143	Total	C	N	O	0	0	0
			706	420	143	143			

- Molecule 48 is a protein called 60S ribosomal protein L19.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
48	BS	188	Total	C	N	O	0	0	0
			931	555	188	188			
48	DS	188	Total	C	N	O	0	0	0
			931	555	188	188			

- Molecule 49 is a protein called 60S ribosomal protein L21-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
49	BT	119	Total	C	N	O	0	0	0
			586	348	119	119			
49	DT	119	Total	C	N	O	0	0	0
			586	348	119	119			

- Molecule 50 is a protein called 60S ribosomal protein L23.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
50	BU	129	Total	C	N	O	0	0	0
			631	373	129	129			
50	DU	129	Total	C	N	O	0	0	0
			631	373	129	129			

- Molecule 51 is a protein called 60S ribosomal protein L24-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	BV	59	Total	C	N	O	0	0	0
			291	173	59	59			
51	DV	59	Total	C	N	O	0	0	0
			291	173	59	59			

- Molecule 52 is a protein called 60S ribosomal protein L25.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
52	BW	94	Total	C	N	O	0	0	0
			468	280	94	94			
52	DW	94	Total	C	N	O	0	0	0
			468	280	94	94			

- Molecule 53 is a protein called 60S ribosomal protein L26-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	BX	107	Total	C	N	O	0	0	0
			530	316	107	107			
53	DX	107	Total	C	N	O	0	0	0
			530	316	107	107			

- Molecule 54 is a protein called 60S ribosomal protein L28.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
54	BY	149	Total	C	N	O	0	0	0
			727	429	149	149			
54	DY	149	Total	C	N	O	0	0	0
			727	429	149	149			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BY	38	GLU	GLN	conflict	UNP P02406
DY	38	GLU	GLN	conflict	UNP P02406

- Molecule 55 is a protein called 60S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	BZ	98	Total	C	N	O	0	0	0
			481	285	98	98			
55	DZ	98	Total	C	N	O	0	0	0
			481	285	98	98			

- Molecule 56 is a protein called 60S ribosomal protein L31-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
56	Ba	86	Total	C	N	O	0	0	0
			425	253	86	86			
56	Da	86	Total	C	N	O	0	0	0
			425	253	86	86			

- Molecule 57 is a protein called 60S ribosomal protein L32.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
57	Bb	125	Total	C	N	O	0	0	0
			618	368	125	125			
57	Db	125	Total	C	N	O	0	0	0
			618	368	125	125			

- Molecule 58 is a protein called 60S ribosomal protein L35.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
58	Bc	68	Total	C	N	O	0	0	0
			339	203	68	68			
58	Dc	68	Total	C	N	O	0	0	0
			339	203	68	68			

- Molecule 59 is a protein called 60S ribosomal protein L37-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
59	Bd	72	Total	C	N	O	0	0	0
			352	208	72	72			
59	Dd	72	Total	C	N	O	0	0	0
			352	208	72	72			

- Molecule 60 is a protein called 60S ribosomal protein L39.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
60	Be	48	Total	C	N	O	0	0	0
			240	144	48	48			
60	De	48	Total	C	N	O	0	0	0
			240	144	48	48			

- Molecule 61 is a protein called 60S ribosomal protein L42.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
61	Bf	95	Total	C	N	O	0	0	0
			467	277	95	95			
61	Df	95	Total	C	N	O	0	0	0
			467	277	95	95			

- Molecule 62 is a protein called 60S ribosomal protein L43.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
62	Bg	83	Total	C	N	O	0	0	0
			407	241	83	83			
62	Dg	83	Total	C	N	O	0	0	0
			407	241	83	83			

- Molecule 63 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
63	Bh	44	Total	C	N	O	0	0	0
			220	132	44	44			
63	Dh	44	Total	C	N	O	0	0	0
			220	132	44	44			

- Molecule 64 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
64	Bi	12	Total	C	N	O	0	0	0
			60	36	12	12			
64	Di	12	Total	C	N	O	0	0	0
			60	36	12	12			

- Molecule 65 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
65	Bk	16	Total	C	N	O	0	0	0
			80	48	16	16			
65	Dk	16	Total	C	N	O	0	0	0
			80	48	16	16			

- Molecule 66 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
66	Bl	19	Total	C	N	O	0	0	0
			95	57	19	19			

- Molecule 67 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
67	Bm	9	Total	C	N	O	0	0	0
			45	27	9	9			

- Molecule 68 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
68	Bn	27	Total	C	N	O	0	0	0
			135	81	27	27			

- Molecule 69 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
69	Bp	8	Total	C	N	O	0	0	0
			40	24	8	8			

- Molecule 70 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
70	Bq	17	Total	C	N	O	0	0	0
			85	51	17	17			

- Molecule 71 is a protein called Unassigned secondary structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
71	Br	23	Total	C	N	O	0	0	0
			115	69	23	23			

- Molecule 72 is a protein called 60S ribosomal protein L12.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
72	DL	138	Total	C	N	O	0	0	0
			679	403	138	138			

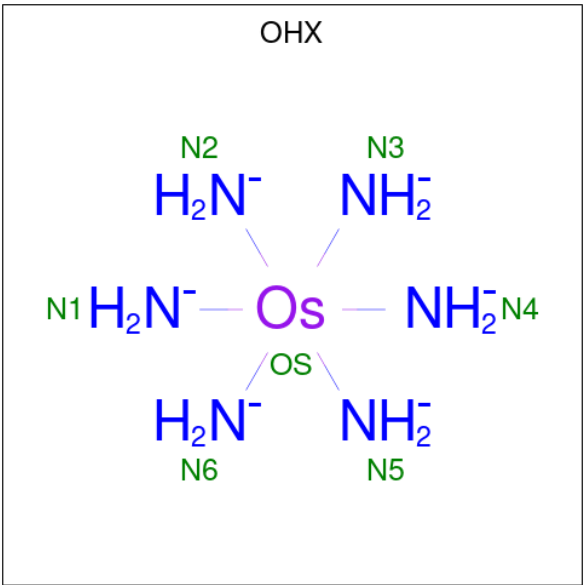
- Molecule 73 is a protein called 60S acidic ribosomal protein P0.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
73	DM	130	Total	C	N	O	0	0	0
			641	381	130	130			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
DM	83	TYR	ASN	conflict	UNP P05317

- Molecule 74 is osmium (III) hexammine (CCD ID: OHX) (formula: H₁₂N₆Os).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		
74	A1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	A1	1	Total 7	N 6	Os 1	0	0
74	A1	1	Total 7	N 6	Os 1	0	0
74	A1	1	Total 7	N 6	Os 1	0	0
74	A1	1	Total 7	N 6	Os 1	0	0
74	AL	1	Total 7	N 6	Os 1	0	0
74	AS	1	Total 7	N 6	Os 1	0	0
74	AT	1	Total 7	N 6	Os 1	0	0
74	Ac	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0
74	B1	1	Total 7	N 6	Os 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B1	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B2	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	B3	1	Total	N	Os	0	0
			7	6	1		
74	BC	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	BO	1	Total	N	Os	0	0
			7	6	1		
74	BT	1	Total	N	Os	0	0
			7	6	1		
74	Bd	1	Total	N	Os	0	0
			7	6	1		
74	Bd	1	Total	N	Os	0	0
			7	6	1		
74	Bg	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
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74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		
74	C1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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74	CS	1	Total	N	Os	0	0
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74	CT	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
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74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
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74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D1	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D2	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
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74	D3	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
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74	D3	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
			7	6	1		
74	D3	1	Total	N	Os	0	0
			7	6	1		
74	DC	1	Total	N	Os	0	0
			7	6	1		

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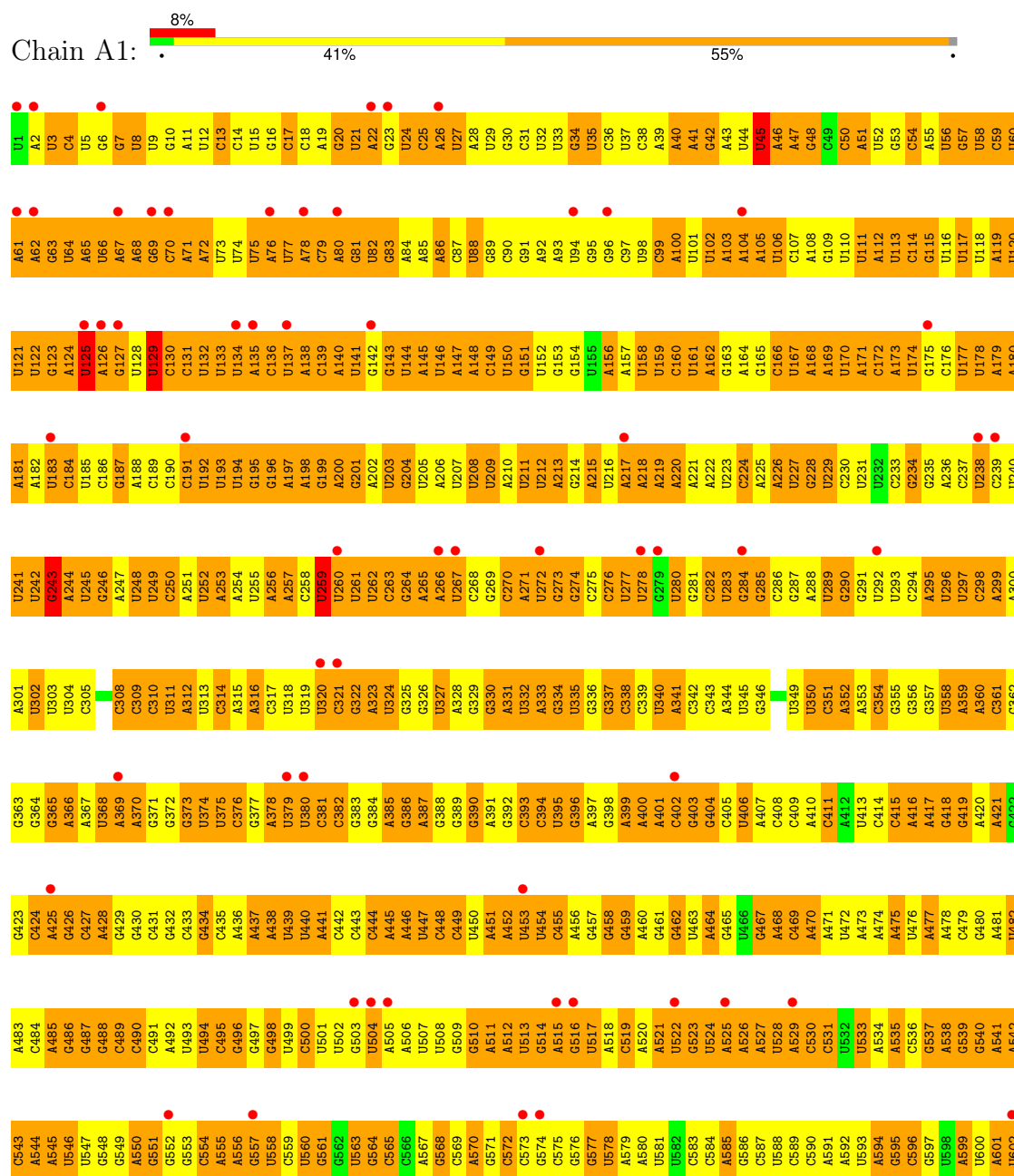
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	DE	1	Total	N	Os	0	0
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74	DJ	1	Total	N	Os	0	0
			7	6	1		
74	DO	1	Total	N	Os	0	0
			7	6	1		
74	DO	1	Total	N	Os	0	0
			7	6	1		
74	DT	1	Total	N	Os	0	0
			7	6	1		
74	Dd	1	Total	N	Os	0	0
			7	6	1		
74	Dd	1	Total	N	Os	0	0
			7	6	1		
74	Dg	1	Total	N	Os	0	0
			7	6	1		

3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron 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 dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). 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.

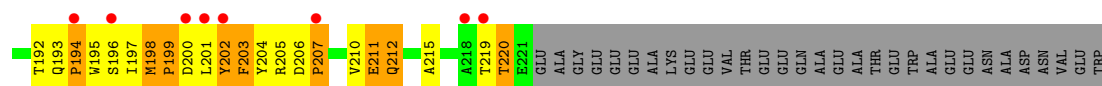
• Molecule 1: 18S ribosomal RNA



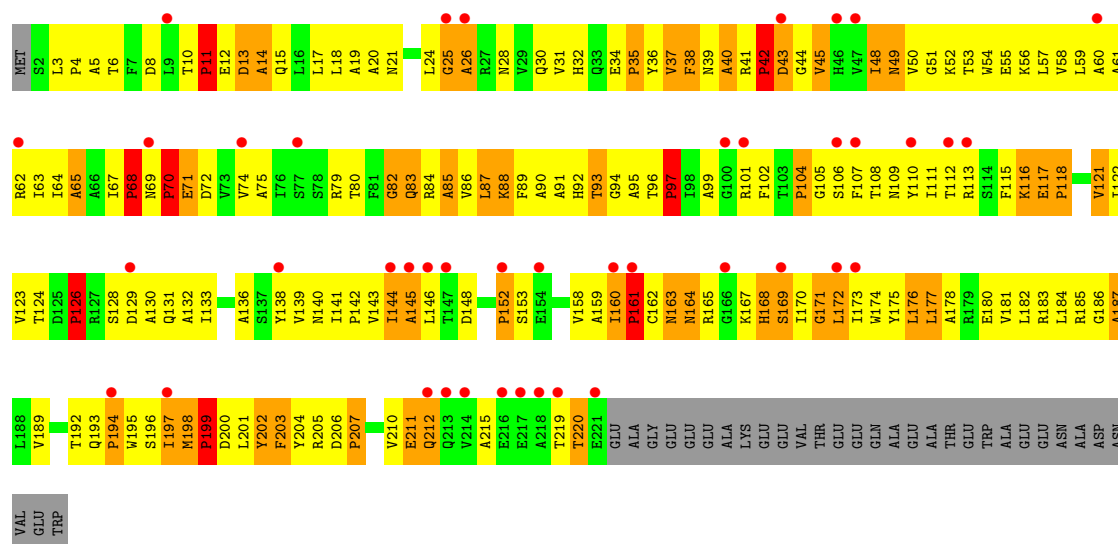
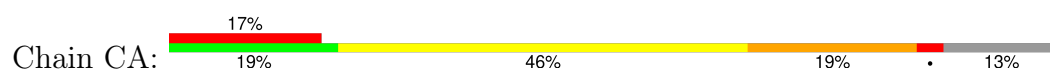
G1385	A1325	G1285	C1205	U1145	G1085	A1025	U964	G904	A844	C784	C724	U683	U603
G1386	A1326	U1266	U1206	G1146	A1086	A1026	U965	A905	G845	U785	U725	U684	A604
G1387	C1327	G1267	C1207	A1147	A1087	A1027	A966	A906	G846	C786	C726	U685	A605
A1388	G1328	U1268	A1208	C1148	U1088	C1028	A967	U907	A847	U787	U727	U686	A606
C1389	A1329	U1269	C1209	G1149	U1089	U1029	U968	A908	C848	A788	U728	U687	G607
U1390	G1330	G1270	C1210	G1150	C1090	A1030	C969	U909	C849	A789	G729	C	U608
A1391	A1331	U1271	A1211	A1151	A1091	U1031	A970	C910	A850	U790	G730	G	G609
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C1393	C1333	G1273	G1213	G1153	A1093	C1033	G972	U912	C852	U792	A732	G	U611
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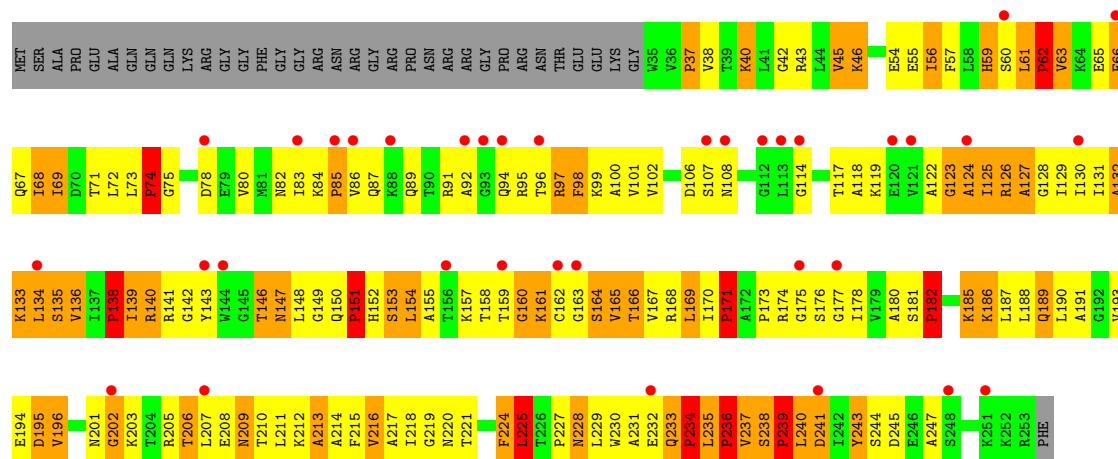
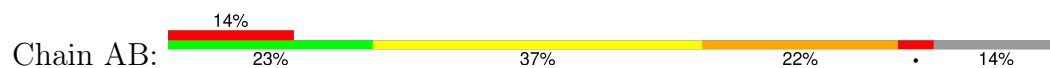
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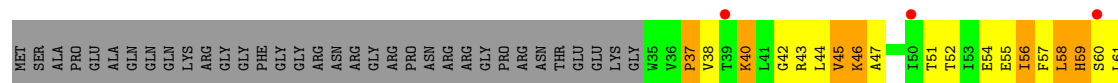
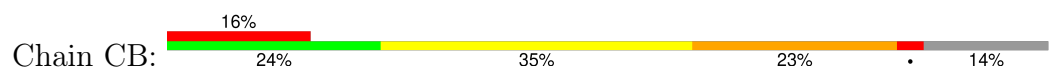
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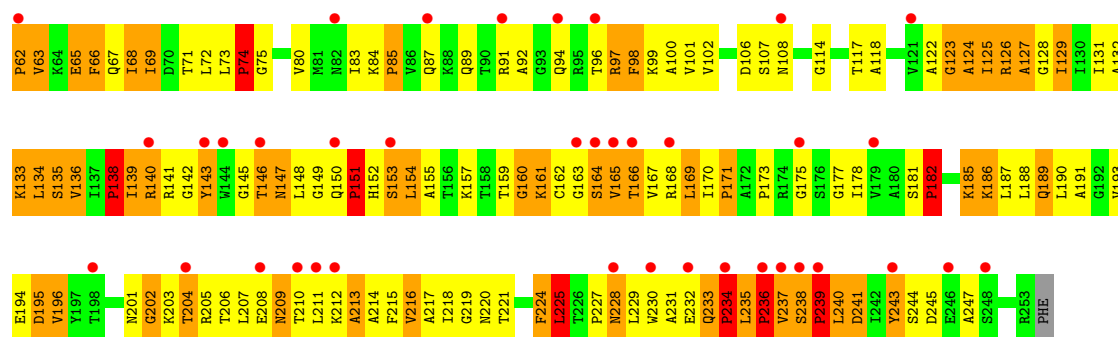


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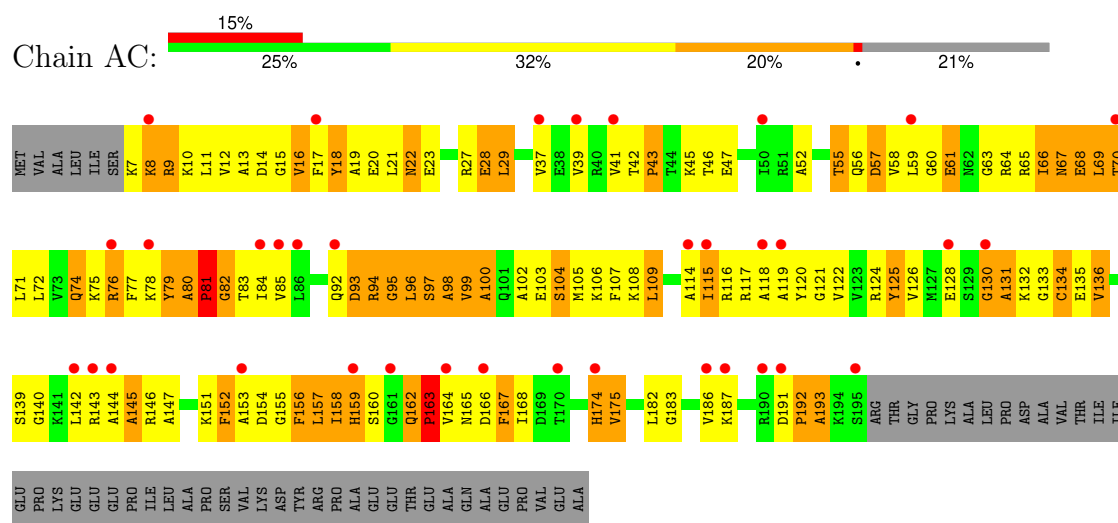


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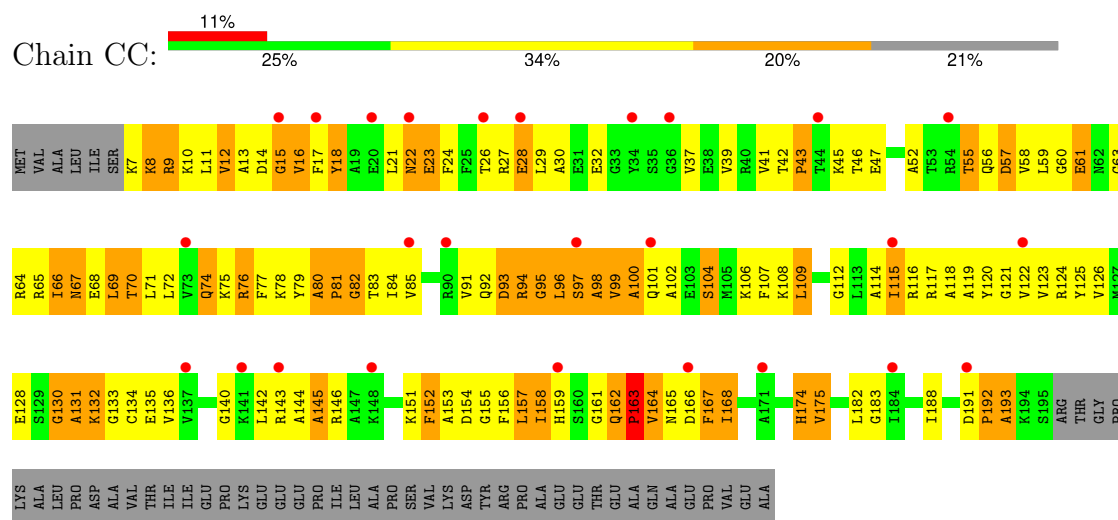




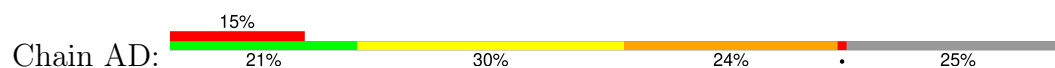
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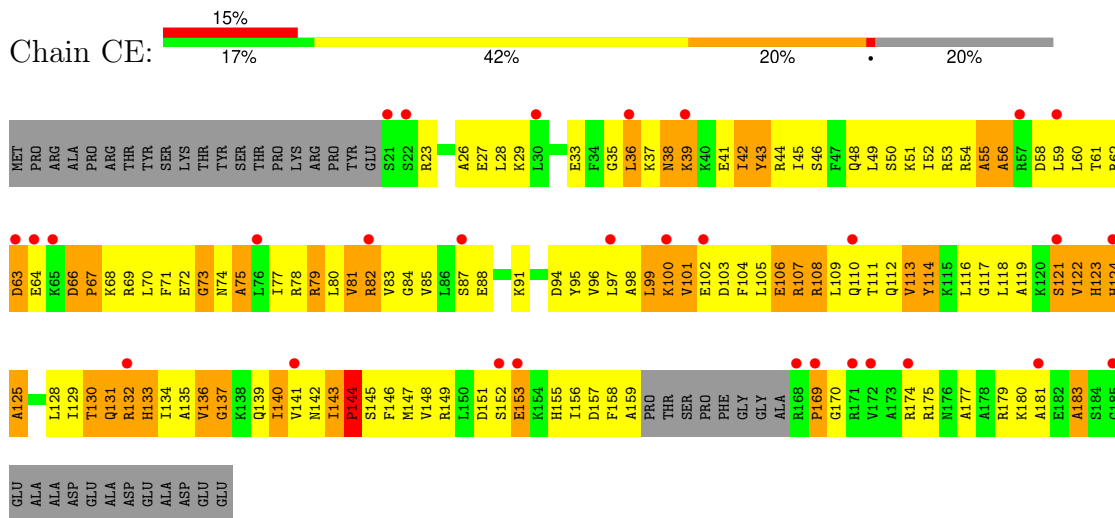


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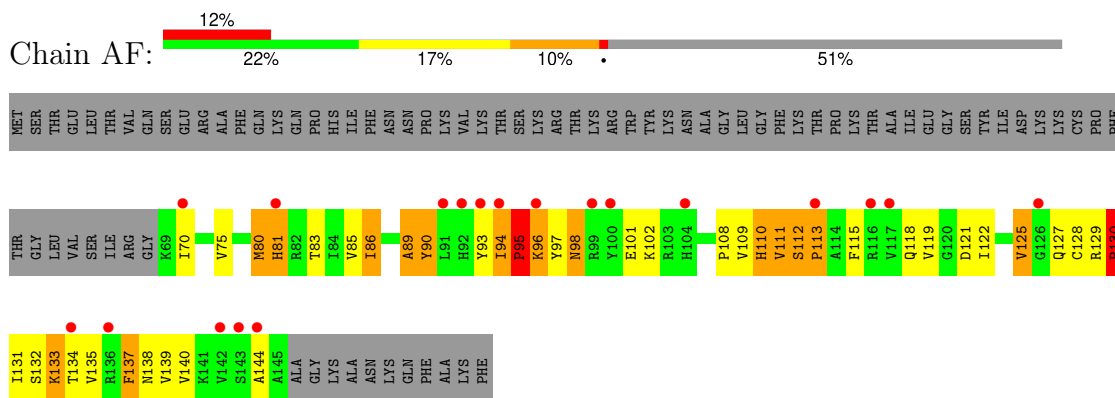


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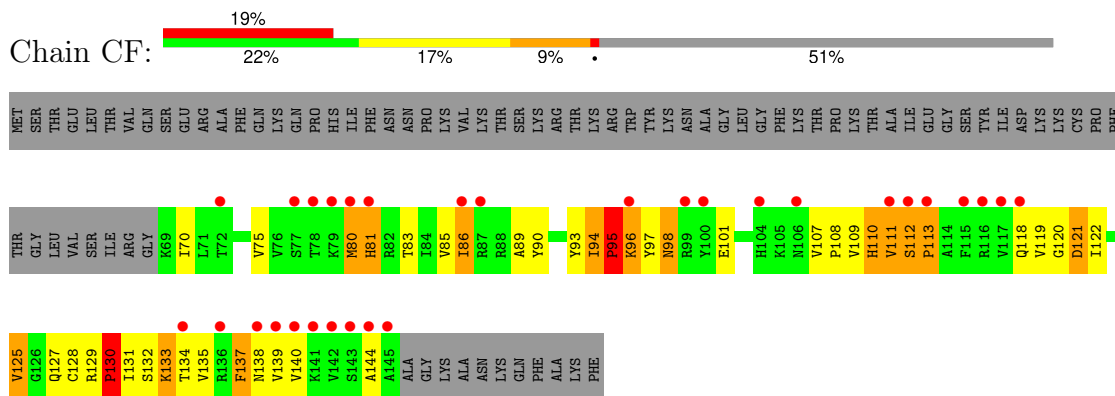




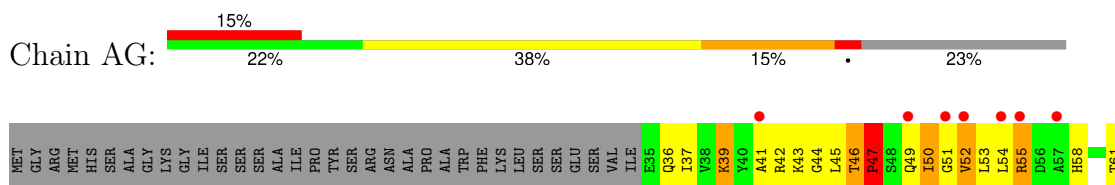
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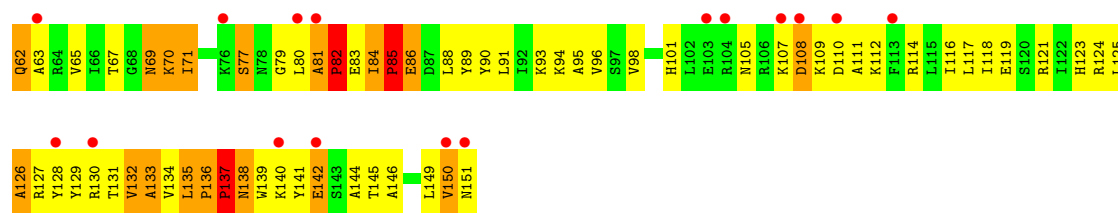


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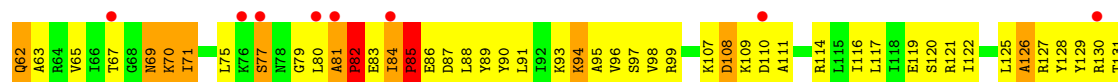
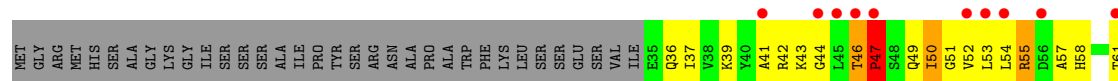
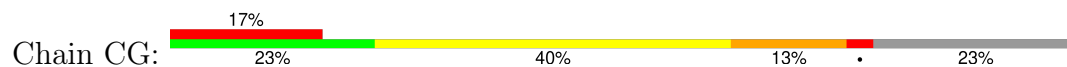


- Molecule 8: 40S ribosomal protein S13

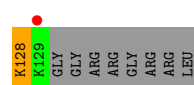
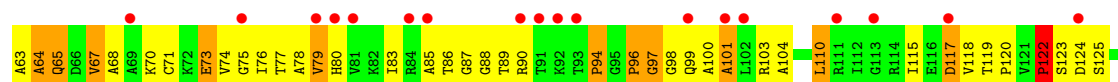
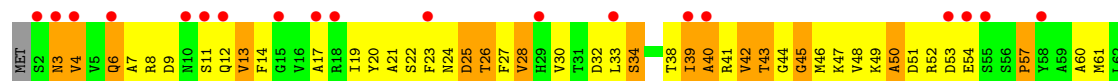




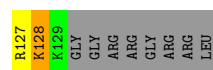
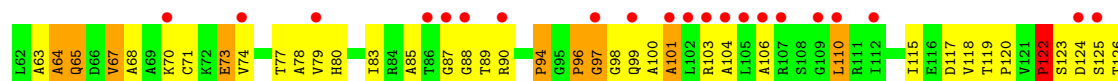
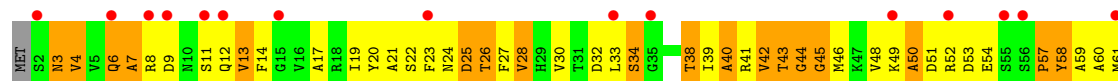
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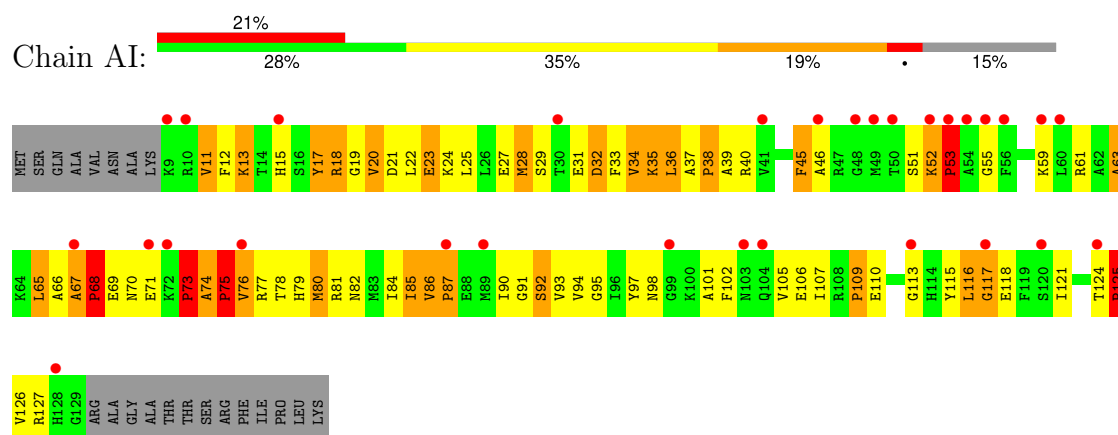
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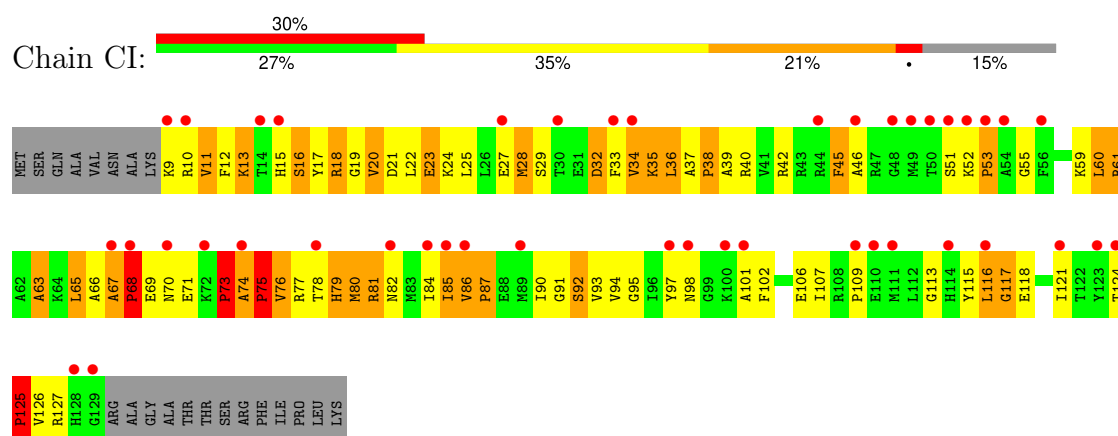
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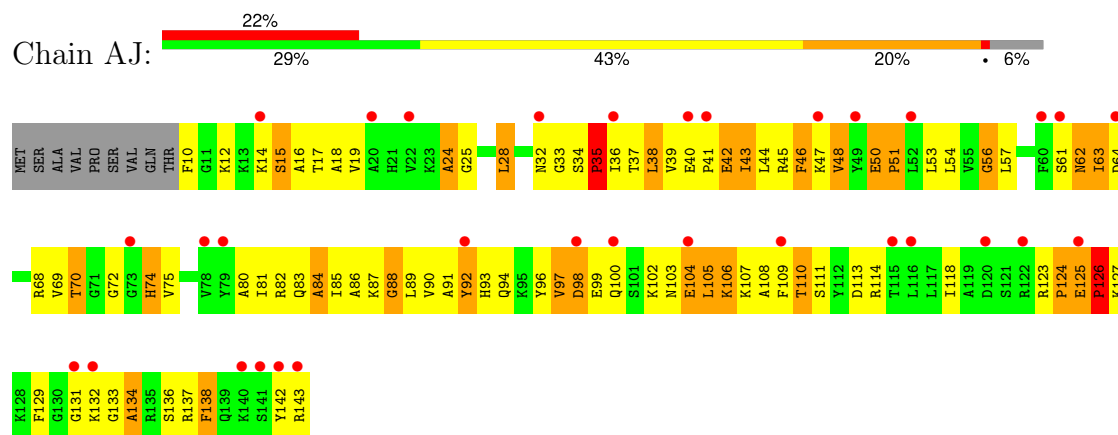
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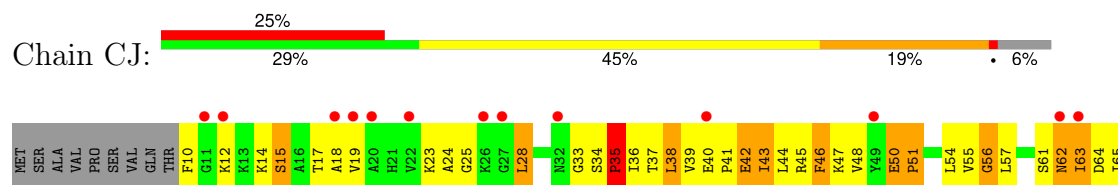
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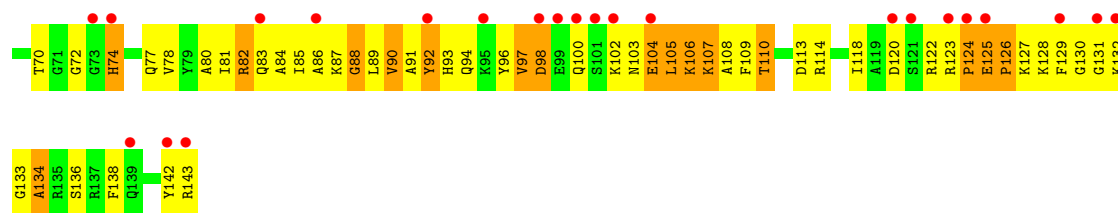


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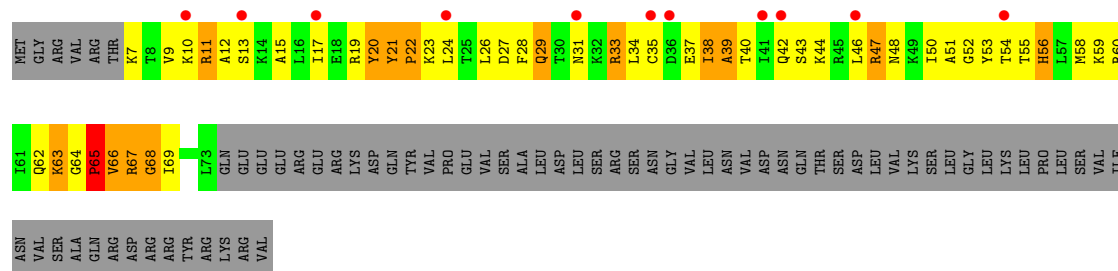
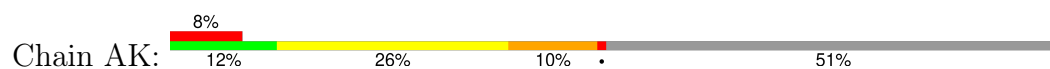


• Molecule 11: 40S ribosomal protein S16

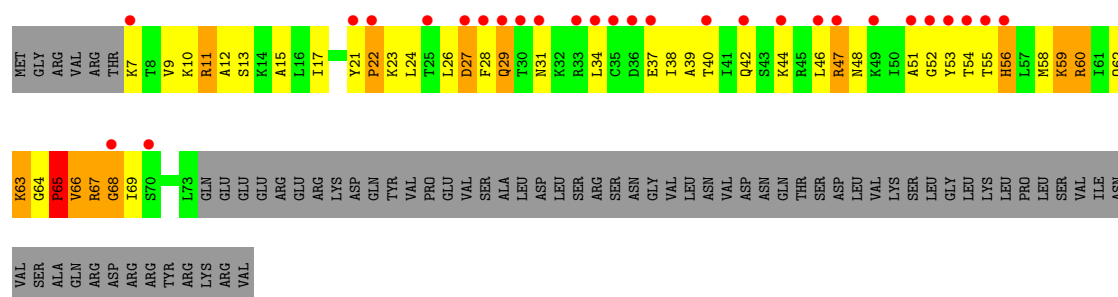
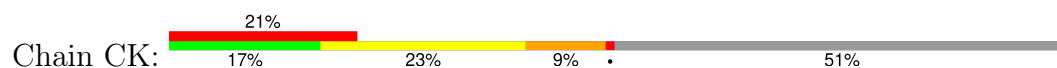




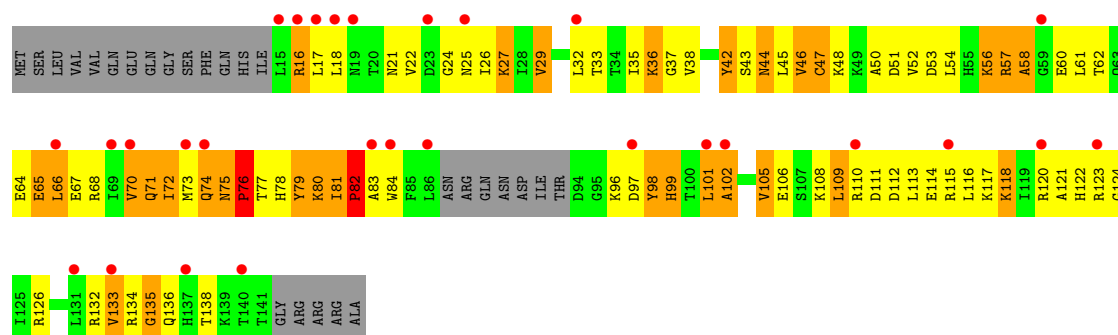
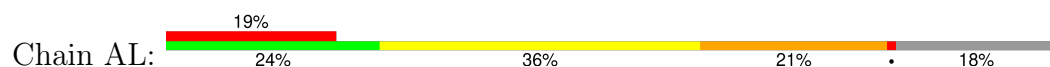
• Molecule 12: 40S ribosomal protein S17-A



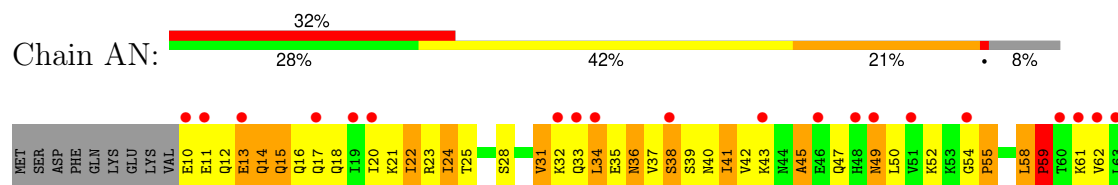
• Molecule 12: 40S ribosomal protein S17-A



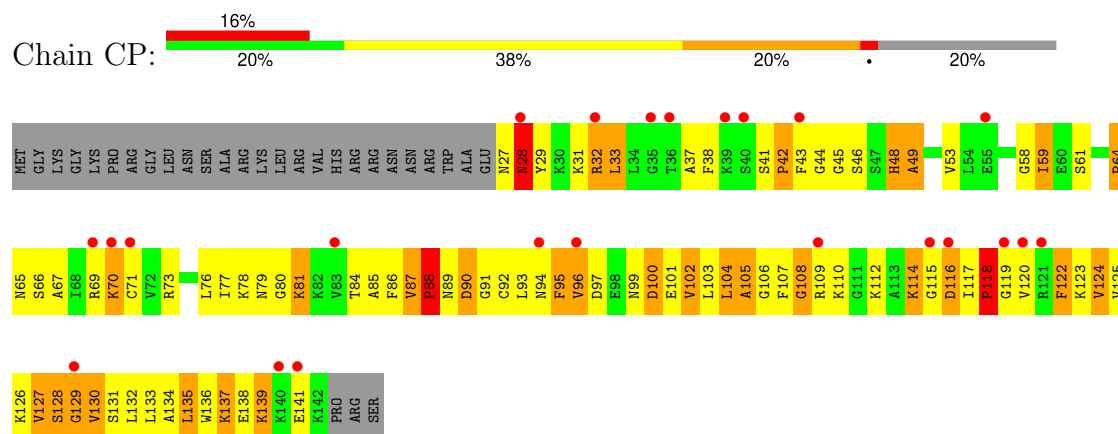
• Molecule 13: 40S ribosomal protein S18



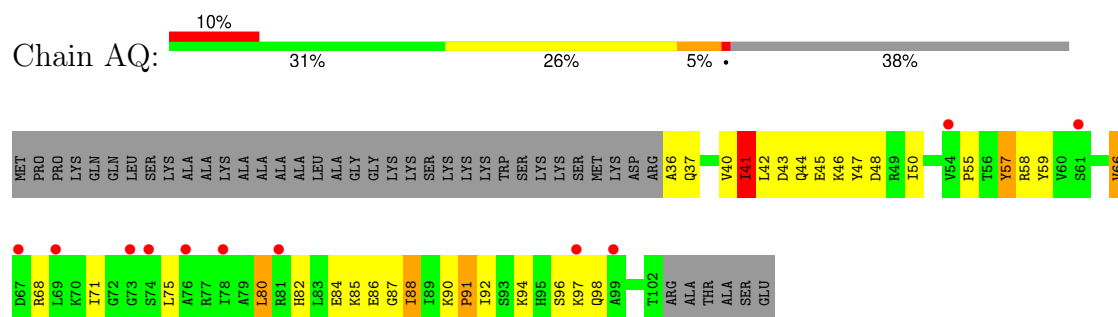
• Molecule 13: 40S ribosomal protein S18



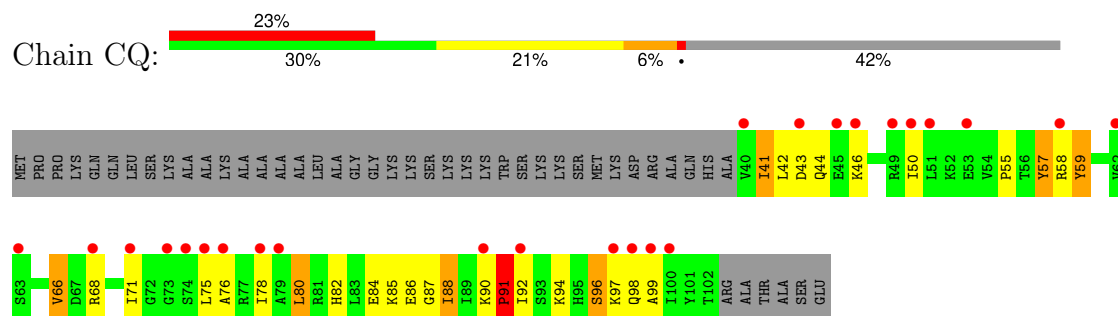
- Molecule 17: 40S ribosomal protein S23



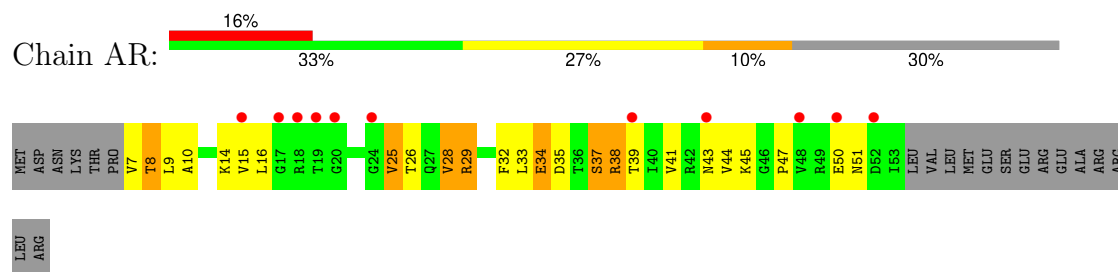
- Molecule 18: 40S ribosomal protein S25-A



- Molecule 18: 40S ribosomal protein S25-A

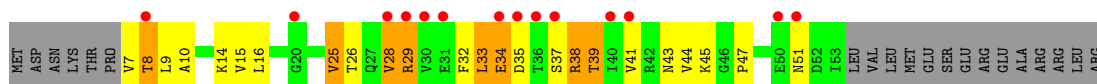


- Molecule 19: 40S ribosomal protein S28-A

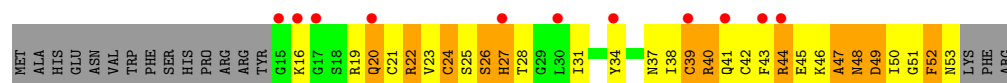


- Molecule 19: 40S ribosomal protein S28-A

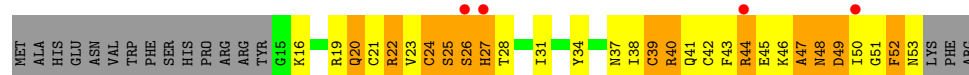




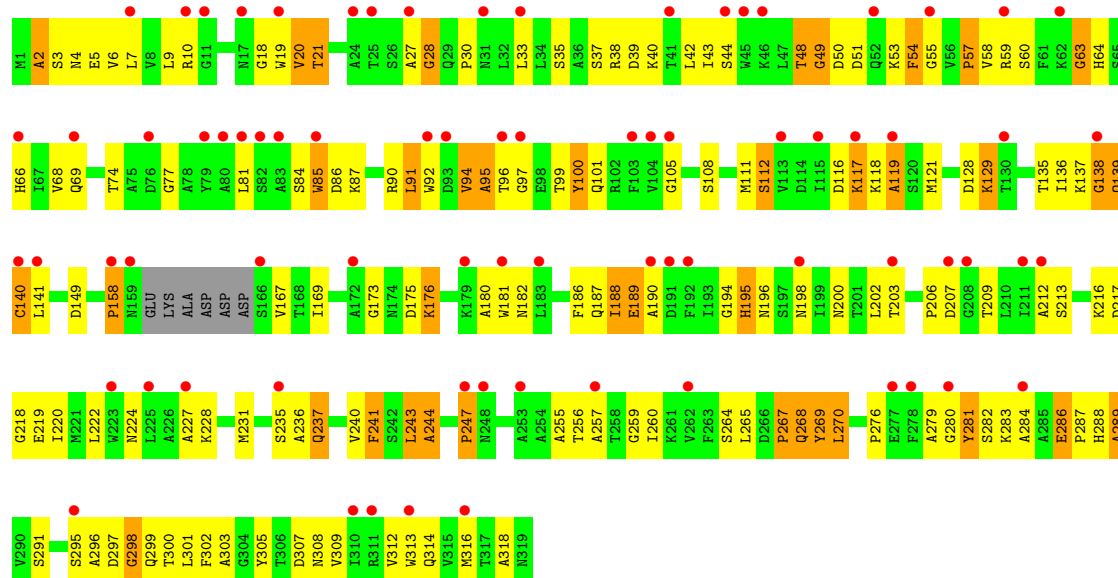
- Molecule 20: 40S ribosomal protein S29-A



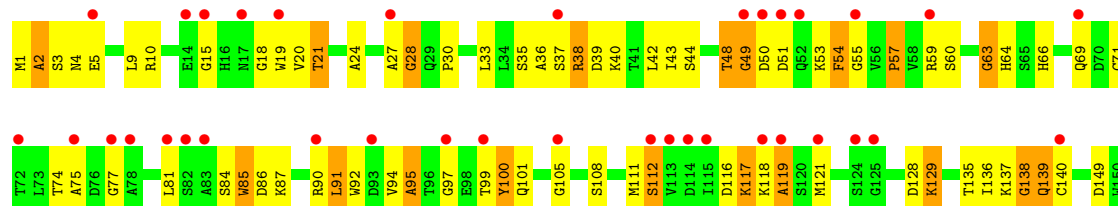
- Molecule 20: 40S ribosomal protein S29-A

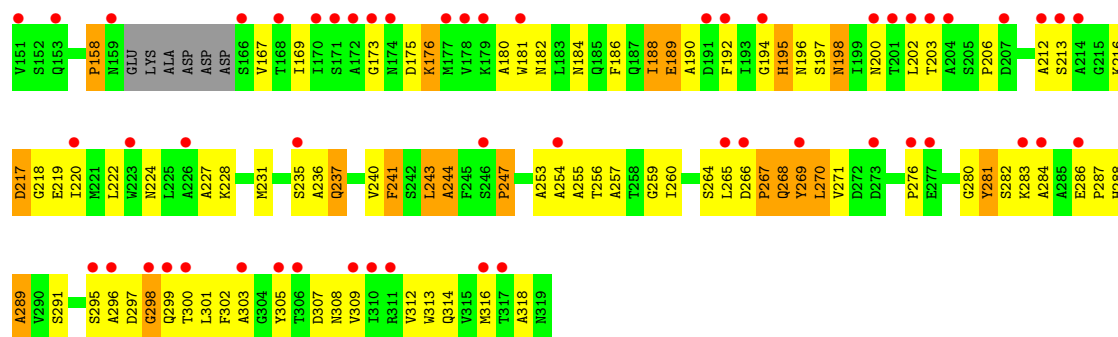


- Molecule 21: Guanine nucleotide-binding protein subunit beta-like protein; RACK-1

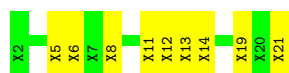


- Molecule 21: Guanine nucleotide-binding protein subunit beta-like protein; RACK-1





• Molecule 22: Unassigned secondary structure



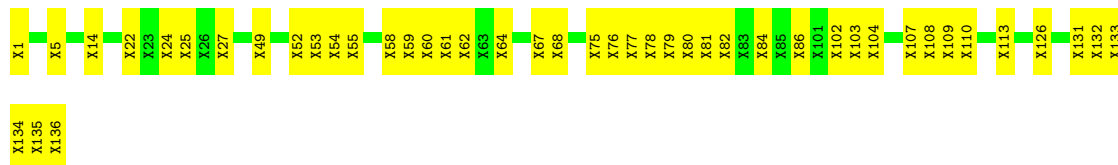
• Molecule 22: Unassigned secondary structure



• Molecule 22: Unassigned secondary structure

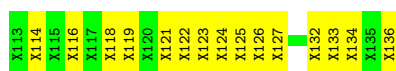


• Molecule 23: Unassigned secondary structure



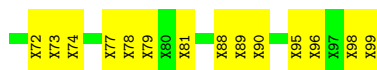
• Molecule 23: Unassigned secondary structure





- Molecule 24: Unassigned secondary structure

Chain Ac: 34% 65%



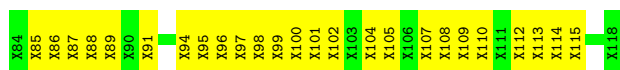
- Molecule 24: Unassigned secondary structure

Chain Cc: 45% 55%



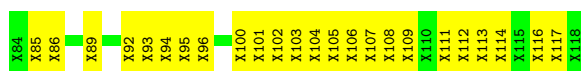
- Molecule 25: Unassigned secondary structure

Chain Ad: 29% 71%



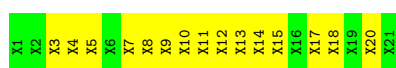
- Molecule 25: Unassigned secondary structure

Chain Cd: 31% 69%



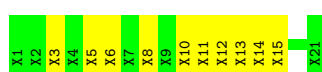
- Molecule 26: Unassigned secondary structure

Chain Ae: 29% 71%



- Molecule 26: Unassigned secondary structure

Chain Bj: 52% 48%



- Molecule 26: Unassigned secondary structure

Chain Dj:  62% 38%

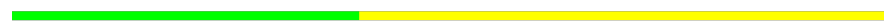


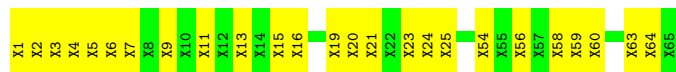
- Molecule 27: Unassigned secondary structure

Chain Af:  64% 36%

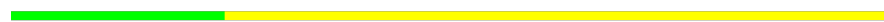


- Molecule 28: Unassigned secondary structure

Chain Ah:  39% 61%



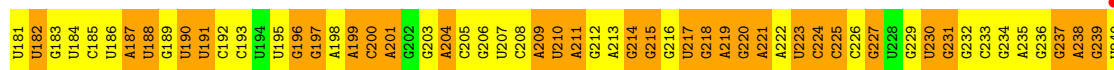
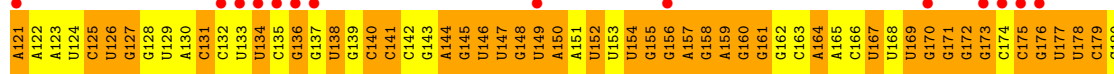
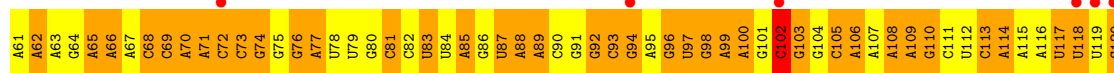
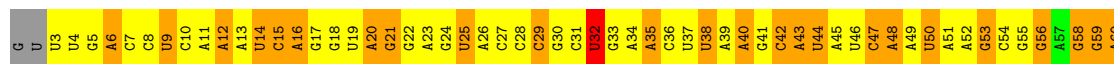
- Molecule 28: Unassigned secondary structure

Chain Ch:  24% 76%



- Molecule 29: 25S ribosomal RNA

Chain B1:  5% 41% 50% 6%



A1085	A1086	C1023	G963	G902	G842	U782	G722	U682	A602	G542	C	A422	U362	G301
C1086	C1087	G1024	G964	U903	A843	A783	U723	C663	A603	C543	G	A423	G363	U302
U1088	U1089	A1025	A965	A906	G844	A784	G724	U664	A604	C544	C	G424	G364	G303
G1089	G1090	U1026	U966	G907	G845	G785	G725	A665	U805	U545	A	G425	A365	G304
A1091	C1092	A1027	A967	G908	A846	A786	G726	A666	C606	C546	U	G426	A366	U305
C1093	U1094	U1028	G968	G909	A847	G787	G727	C667	A607	G547	U	C427	A367	A306
U1095	U1096	G1029	C969	G910	A848	G788	G728	G668	A608	G548	U	A428	A368	A307
G1097	A1098	A1030	A970	C911	C849	A789	C729	U669	G609	U549	C	U429	A369	A308
A1099	U1100	C1031	U971	C912	U850	U790	C730	C670	G610	A550	A	U430	U370	U309
G1101	U1102	C1032	A972	G913	C851	A791	U731	U671	A611	A551	C	A431	A371	U310
U1103	U1104	U1033	A973	A913	U852	G792	C732	A672	U612	G552	C	C432	A372	C311
A1105	U1106	G1034	G974	A914	G853	G793	G733	U673	G613	U553	G493	A433	A373	C312
C1107	U1108	U1035	C975	A915	G854	U794	C734	G674	C614	A554	G494	A434	A374	A313
U1109	U1110	A1036	U976	G916	U855	G795	A735	C675	U615	U555	G495	A435	A375	U314
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A1113	U1114	C1038	G978	C918	G857	A797	G737	A677	G617	A557	C497	G437	A377	U316
U1115	U1116	U1039	U979	U919	A858	G798	A738	G678	C618	U558	A498	G438	A378	A317
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U1121	U1122	U1042	C982	U922	C861	A801	U741	U681	A621	C561	A501	U441	U381	G320
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A1129	A1130	A1048	U986	A926	U865	G805	C745	G685	G625	U565	G505	G	A385	A324
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U1135	U1136	A1061	U989	A929	C868	A808	U748	G688	A628	G568	U508	U	G388	A327
C1137	U1138	U1062	U990	U930	G869	G809	C749	U689	U629	A569	U509	U	A389	U328
G1139	G1140	A1063	A996	G931	G870	A810	G750	A690	A630	U570	G510	G	G390	U329
U1141	U1142	U1064	A997	U932	C871	U811	A751	A691	U631	U571	G511	U	A391	G330
A1143	U1144	G1065	A998	U933	C872	G812	C752	A692	G632	A572	U512	C	G392	G331
U1128	A1129	U1066	G999	A934	U873	G813	C753	A693	C633	C573	G513	C	U393	C332
A1130	G1131	U1067	U1000	G940	U874	G814	G754	C694	C634	G574	G514	C	G394	G333
C1132	U1121	U1068	G1001	G941	A875	G815	A755	C695	G635	C575	C515	C	A395	A334
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A1143	U1144	U1088	U1022	A962	G901	A841	G781	G721	G661	U601				

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A1945	A1884	U1703	U1523	A1461	A1401	C1339	C1279	C1219	A1159
A1946	U1885	A1704	A1524	A1462	A1402	G1340	C1280	U1220	C1160
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U	G1898	U1716	G1536	U1476	G1414	U1355	C1292	C1232	G1172
G	G1899	U1717	A1537	U1477	U1415	A1356	U1287	G1233	U1173
A	A1900	G1718	G1538	U1478	U1416	U1357	A1294	G1234	G1174
G	U1901	U1719	U1539	U1479	G1417	C1358	G1295	U1235	C1175
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U	G1906	U1724	G1544	G1484	G1422	A1363	G1300	A1240	U1180
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G	A1908	C1726	A1546	G1486	C1424	G1365	A1302	G1242	A1182
G	U1909	G1727	G1547	U1487	U1425	A1366	A1303	G1243	C1183
U	A1910	U1728	C1548	U1488	C1426	A1367	A1304	A1244	A1184
C	U1911	A1729	U1549	A1489	U1427	G1368	U1305	A1245	C1185
A	U1912	G1730	C1550	A1490	A1428	G1369	G1306	G1246	G1186
G	G1913	A1731	G1551	U1491	G1429	G1370	G1307	U1247	C1187
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C	U1918	G1736	C1616	U1496	G1434	G1375	A1252	U1252	A1192
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G	U1922	U1740	G1560	U1500	U1438	G1379	G1316	G1256	C1196
C	C1923	A1741	U1561	U1501	A1439	G1380	A1317	C1257	A1197
C	U1924	U1742	C1562	C1502	G1440	A1381	A1318	U1258	C1198
G	U1925	G1743	A1563	A1503	G1441	G1382	G1319	A1259	C1199
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C	U1928	U1746	U1566	A1506	G1444	U1385	U1322	G1262	A1202
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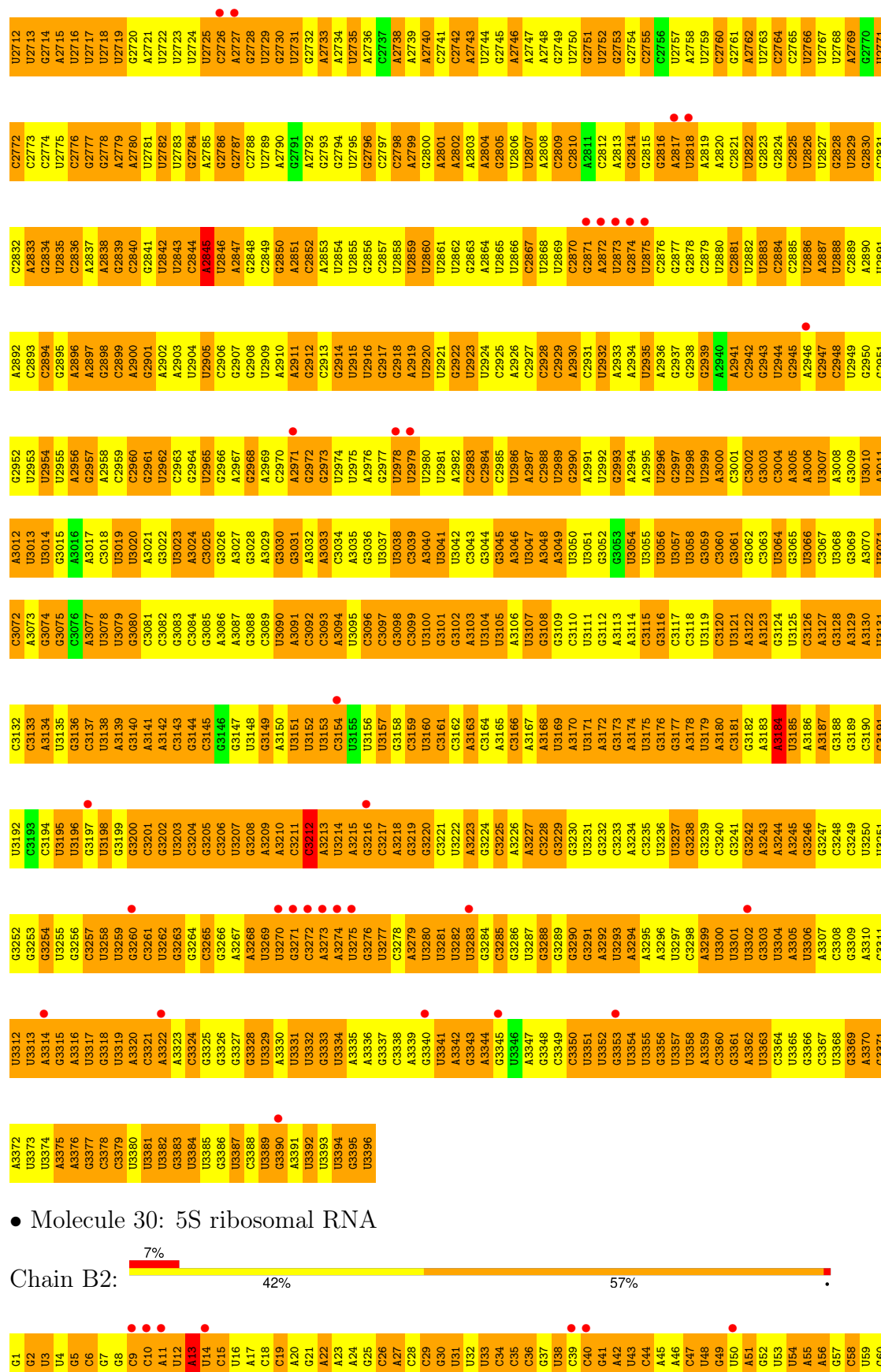
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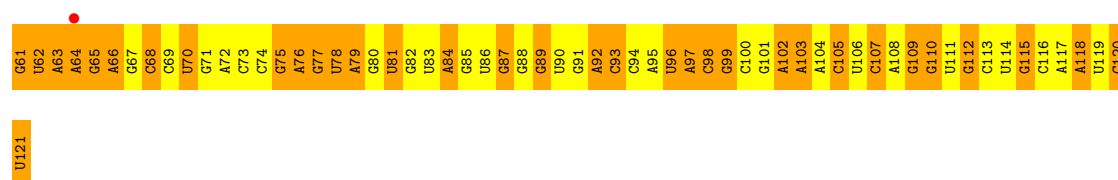
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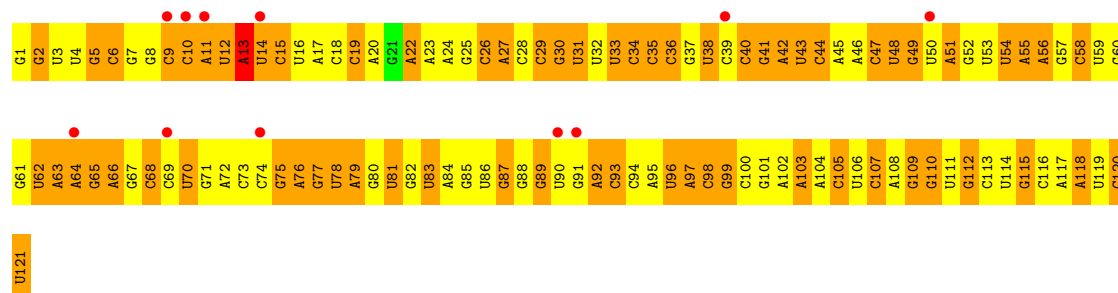
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G2610	G2610	A2488	U2428	U2428	A2368	G2308	C2248	A2188	C2128	U	G	G	G1948	A1887
G2611	G2611	G2489	G2429	G2429	A2369	A2309	G2249	U2189	U2129	G	C	C	U1949	U1888
U2612	U2612	A2490	A2430	A2430	G2370	U2310	G2250	U2190	G2130	U	U	U	U1950	U1889
U2613	U2613	A2491	C2431	C2431	G2371	G2311	G2251	U2191	A2131	A	U	U	C1951	U1890
G2614	G2614	C2492	A2432	A2432	A2372	A2312	A2252	C2192	C2132	G	G	G	G1952	A1891
G2615	G2615	U2493	U2433	U2433	A2373	A2313	G2253	U2193	U2133	A	C	C	G1953	G
G2616	G2616	A2494	U2434	U2434	C2374	U2314	U2254	G2194	G2134	C	U	U	U	U1894
G2617	G2617	G2495	U2435	U2435	G2375	G2315	A2255	C2195	U2135	C	U	C	U	A1895
A2618	A2618	G2496	U2436	U2436	G2376	G2316	A2256	C2196	C2136	G	U	A	U	A1896
A2619	A2619	U2497	G2437	G2437	G2377	A2317	G2257	C2197	U2137	C	U	G	G	G1897
U2620	U2620	U2498	A2438	A2438	G2378	U2318	U2258	A2198	A2138	C	U	C	U	U1898
G2621	G2621	U2499	U2439	U2439	U2379	U2319	A2259	G2199	A2139	G	U	A	G	G1899
G2622	G2622	A2500	G2440	G2440	U2380	A2320	U2260	U2200	U2140	C	A	A	U	A1900
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G2624	G2624	A2502	G2442	G2442	G2382	G2322	A2262	C2202	A2142	G	G	G	G	G1902
G2625	G2625	G2503	A2443	A2443	C2383	G2323	G2263	U2203	G2143	G	C	C	U	U1903
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G2627	G2627	U2505	U2445	U2445	G2385	G2325	G2265	U2205	A2145	C	C	C	C	G1905
A2628	A2628	U2506	U2446	U2446	A2386	A2326	U2266	G2206	G2146	A	U	A	U	G1906
U2629	U2629	G2507	A2447	A2447	A2387	U2327	G2267	A2207	C2147	C	U	U	U	C1907
G2630	G2630	U2508	G2448	G2448	U2388	U2328	U2268	A2208	U2148	A	C	C	U	A1908
U2631	U2631	U2509	A2449	A2449	C2389	C2329	U2269	G2209	A2149	U	A	A	G	A1909
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G2709	G2709	G2589	G2467	G2467	U2407	U2347	C2287	C2227	A2107	A2107	A	G	G	G1927
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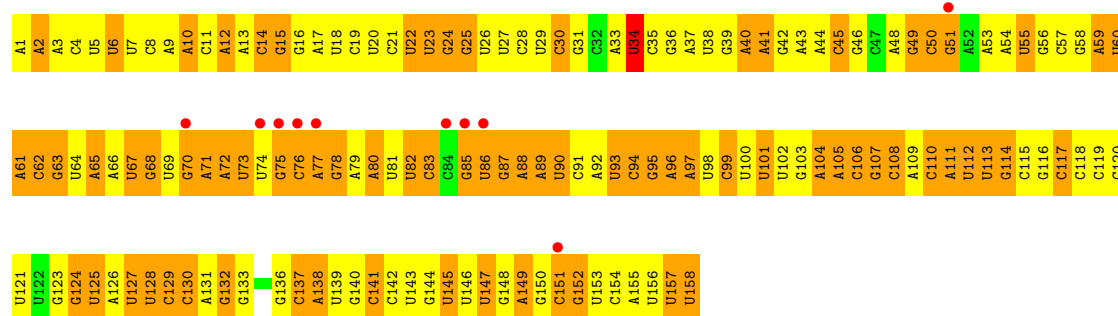
• Molecule 30: 5S ribosomal RNA

Chain D2: . 9% 44% 55% .



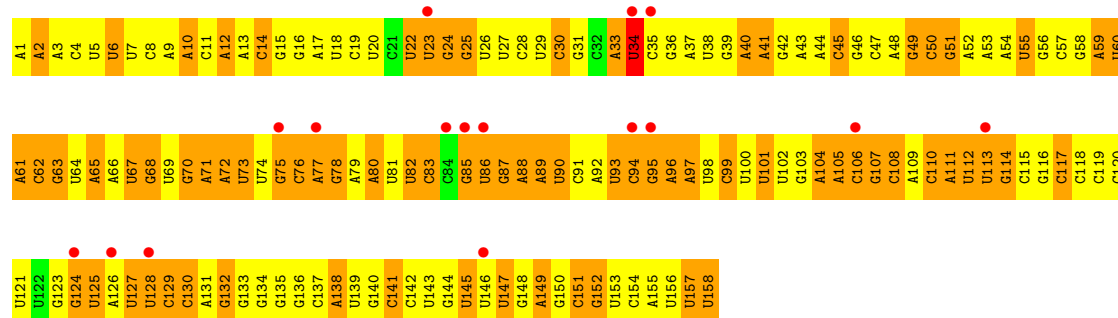
• Molecule 31: 5.8S ribosomal RNA

Chain B3: . 6% 46% 49% .

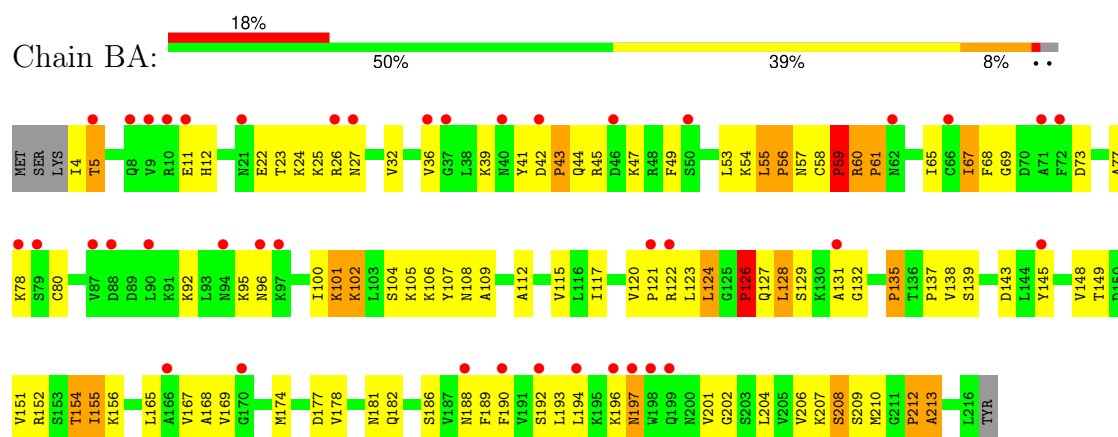


• Molecule 31: 5.8S ribosomal RNA

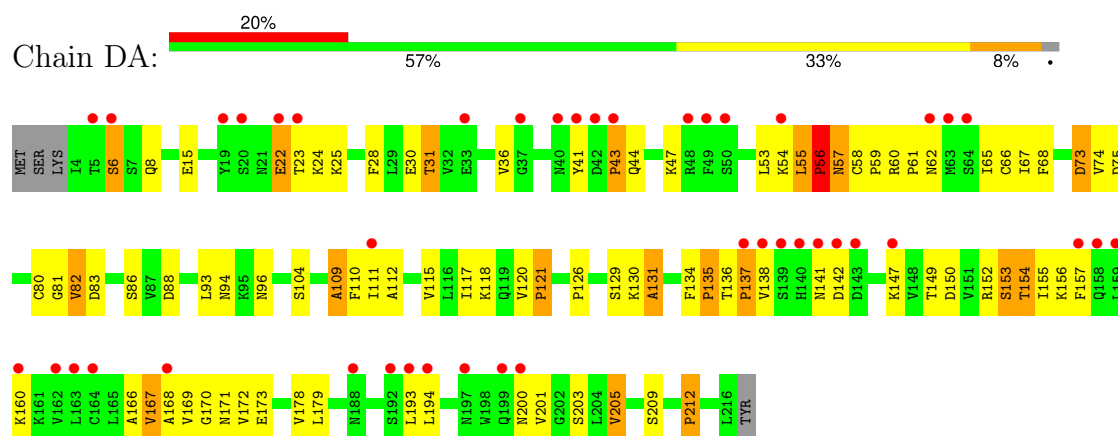
Chain D3: . 10% 48% 49% .



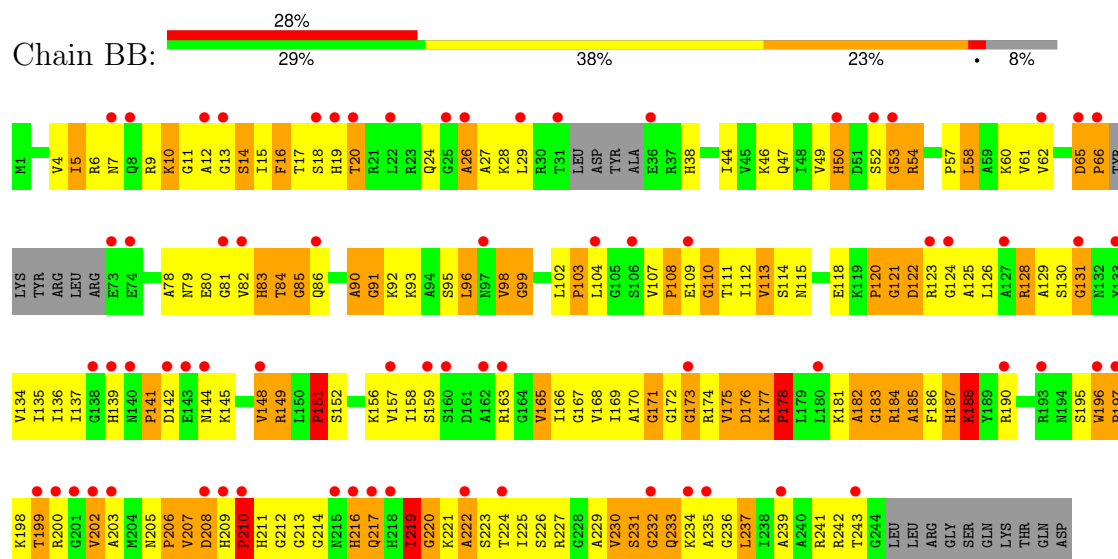
• Molecule 32: 60S ribosomal protein L1



• Molecule 32: 60S ribosomal protein L1

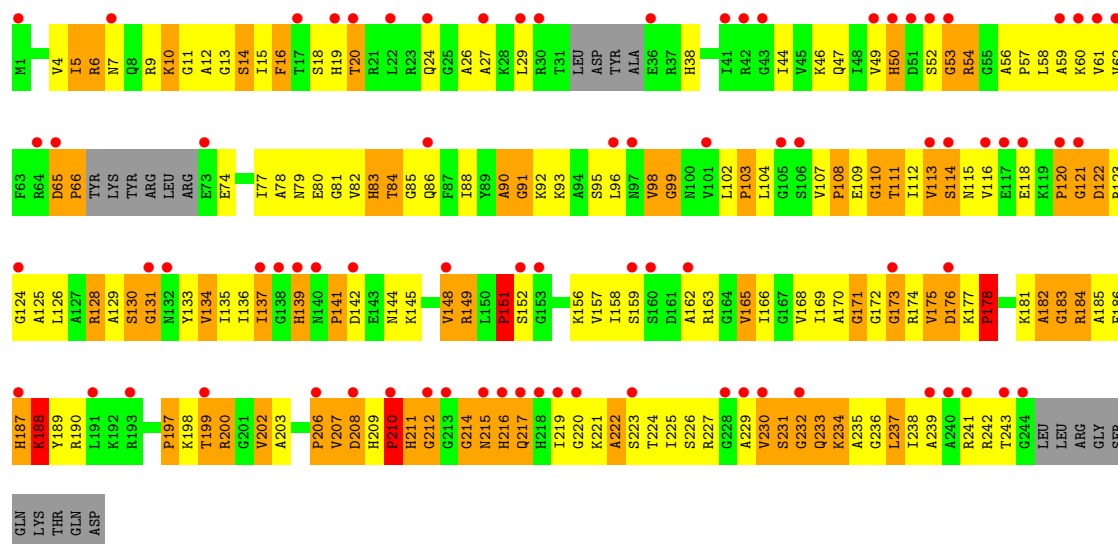


• Molecule 33: 60S ribosomal protein L2

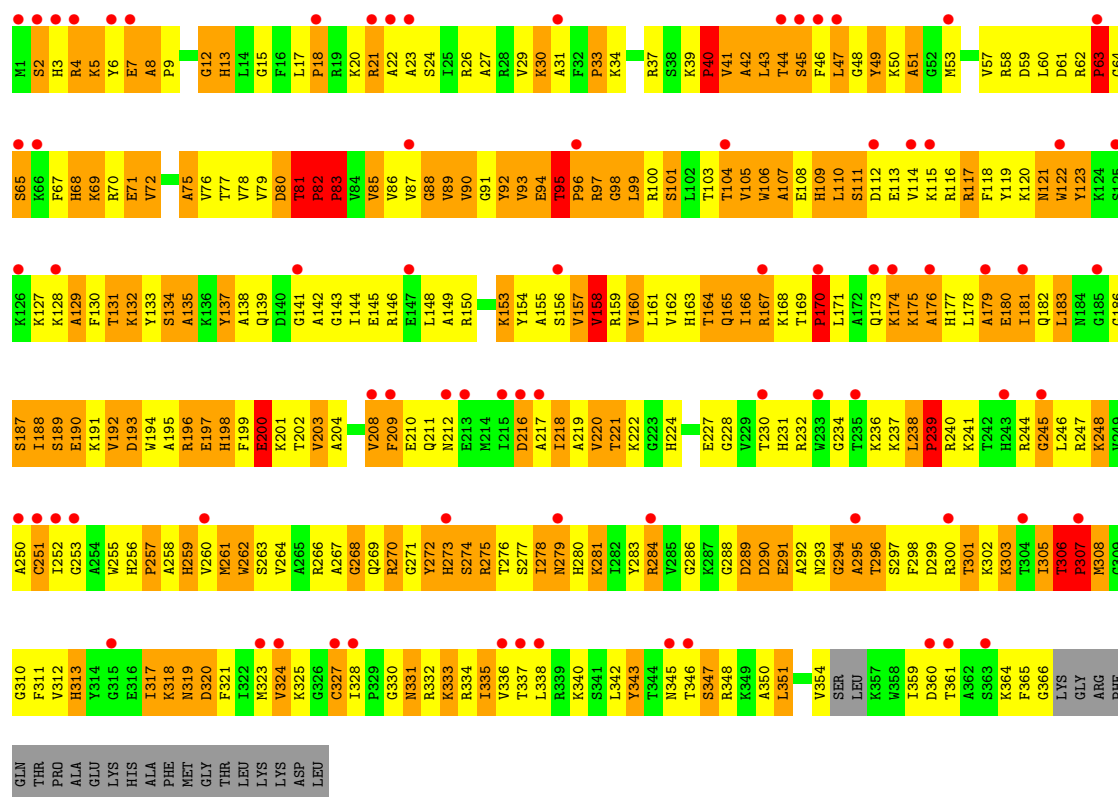
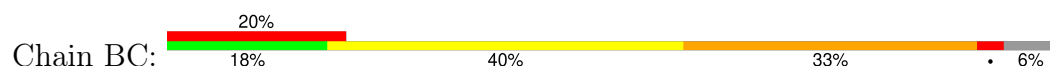


• Molecule 33: 60S ribosomal protein L2

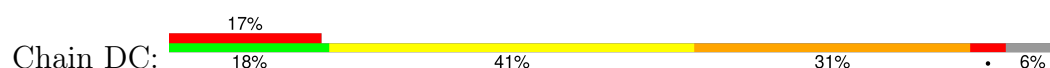


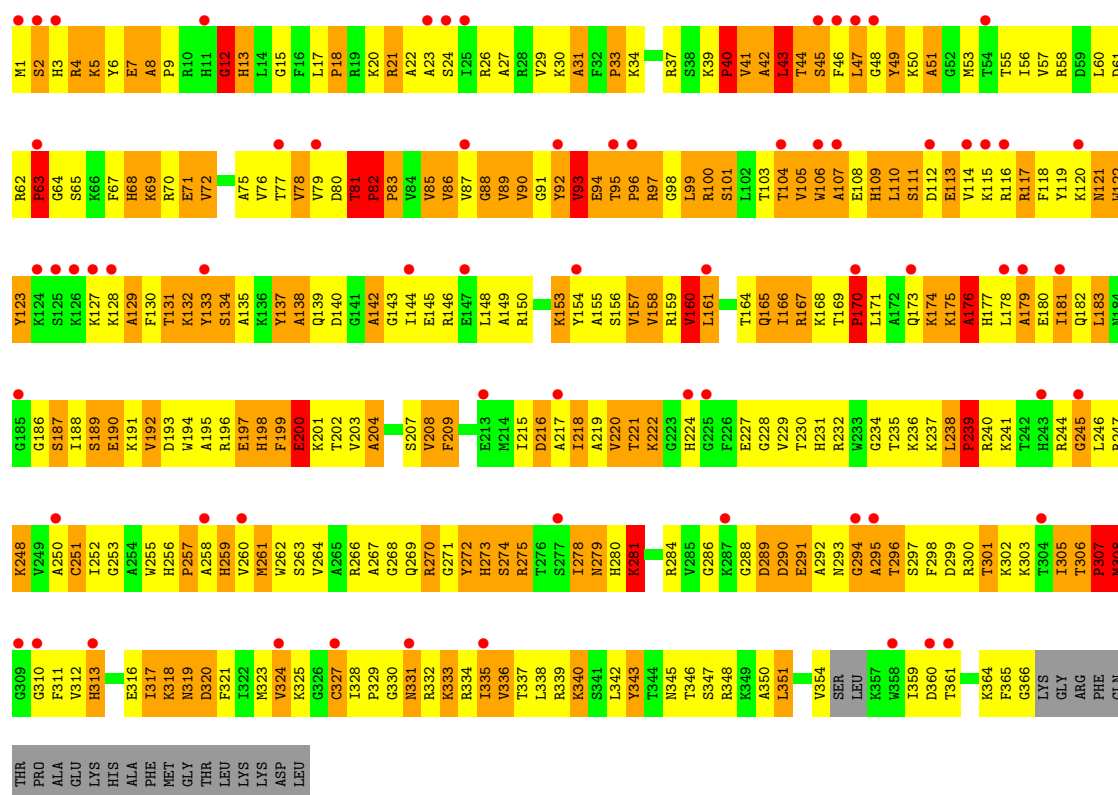


• Molecule 34: 60S ribosomal protein L3

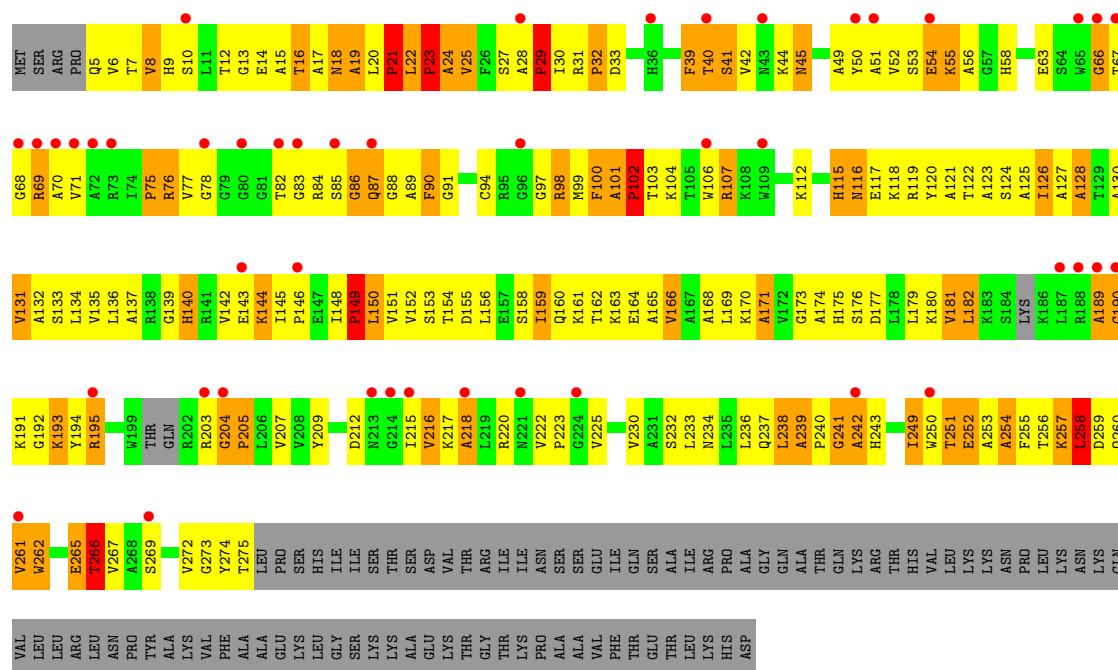
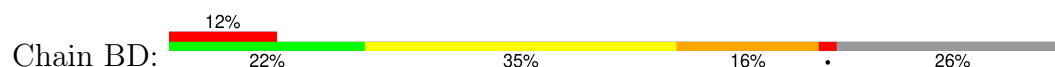


• Molecule 34: 60S ribosomal protein L3

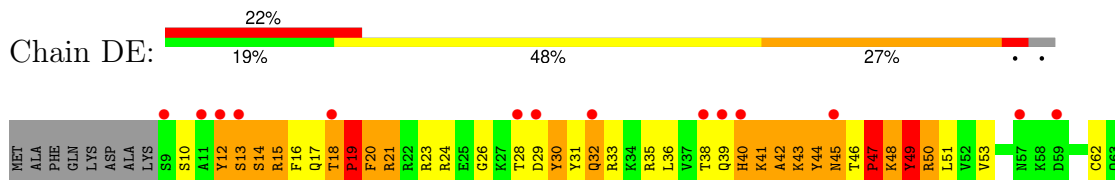
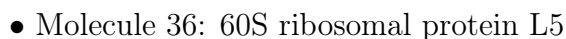


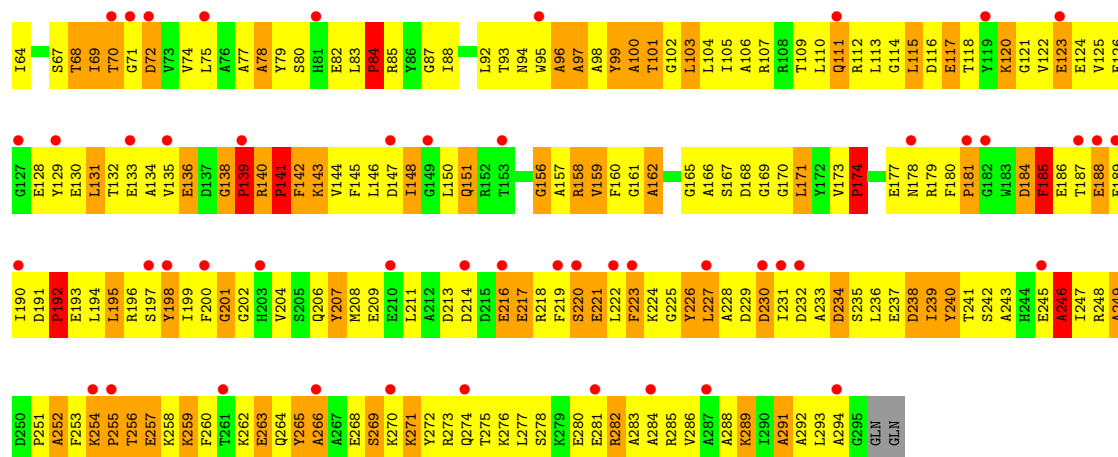


• Molecule 35: 60S ribosomal protein L4-A

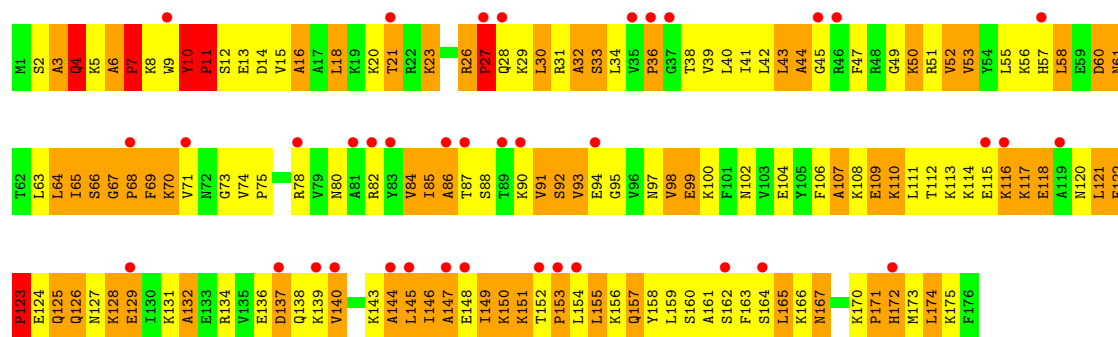
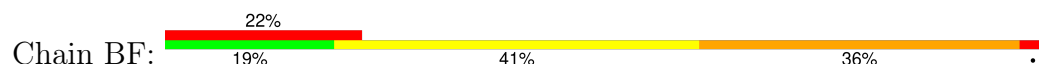


• Molecule 35: 60S ribosomal protein L4-A

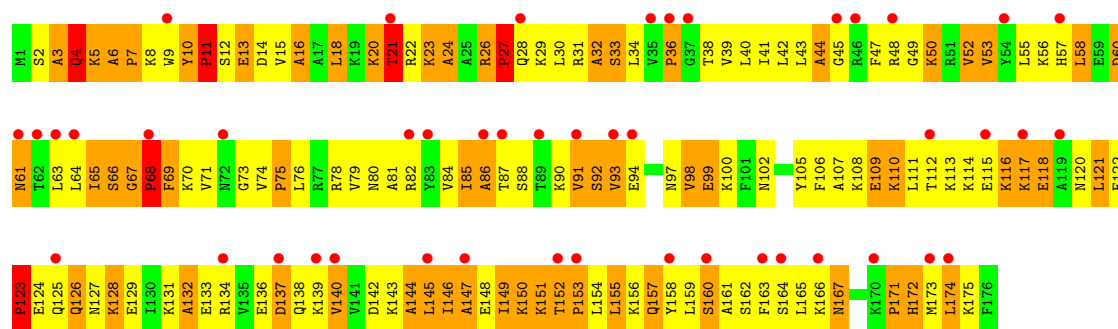
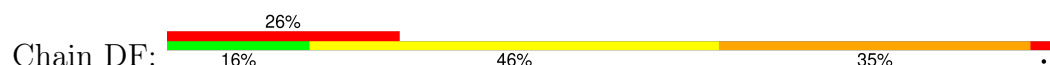




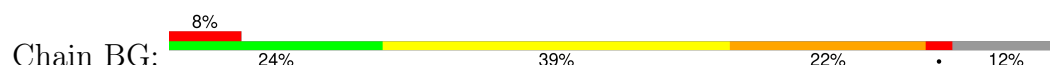
• Molecule 37: 60S ribosomal protein L6-A

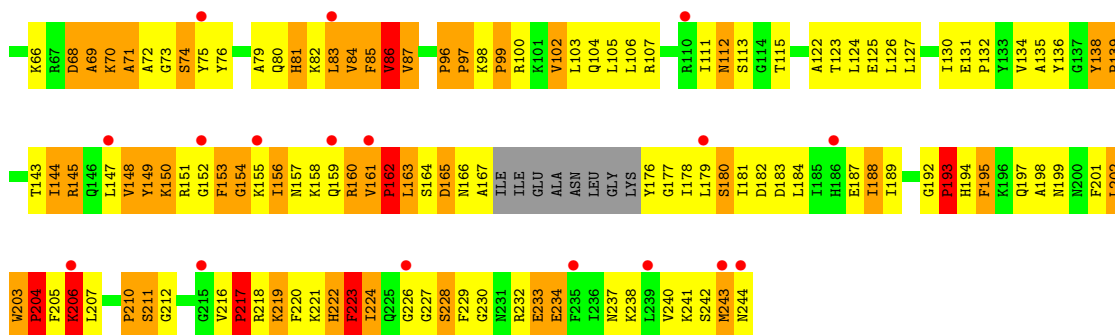


• Molecule 37: 60S ribosomal protein L6-A

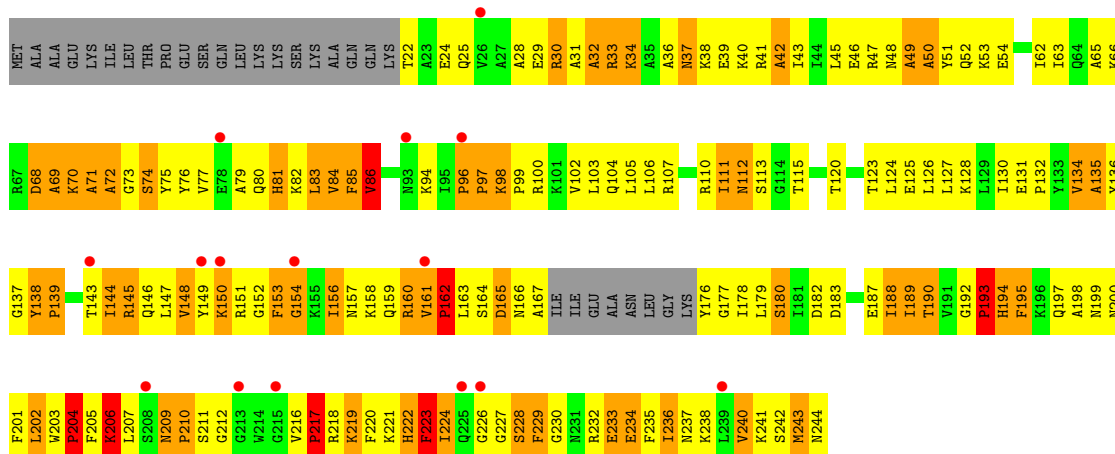
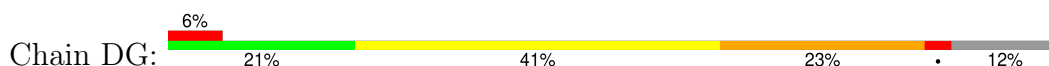


• Molecule 38: 60S ribosomal protein L7-A

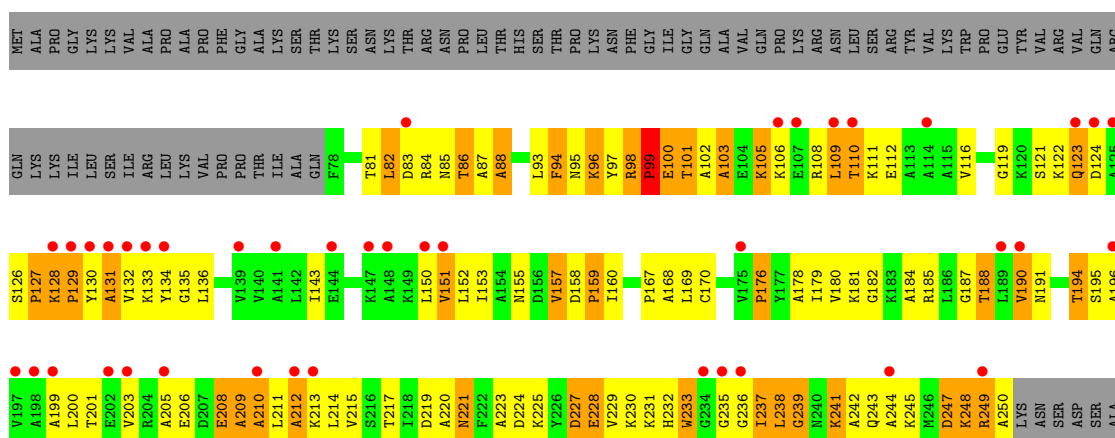
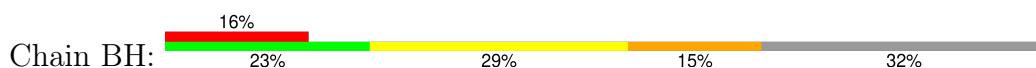




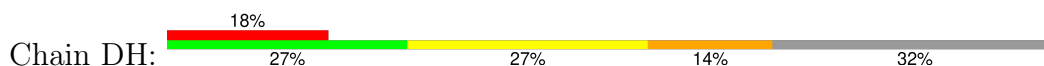
- Molecule 38: 60S ribosomal protein L7-A

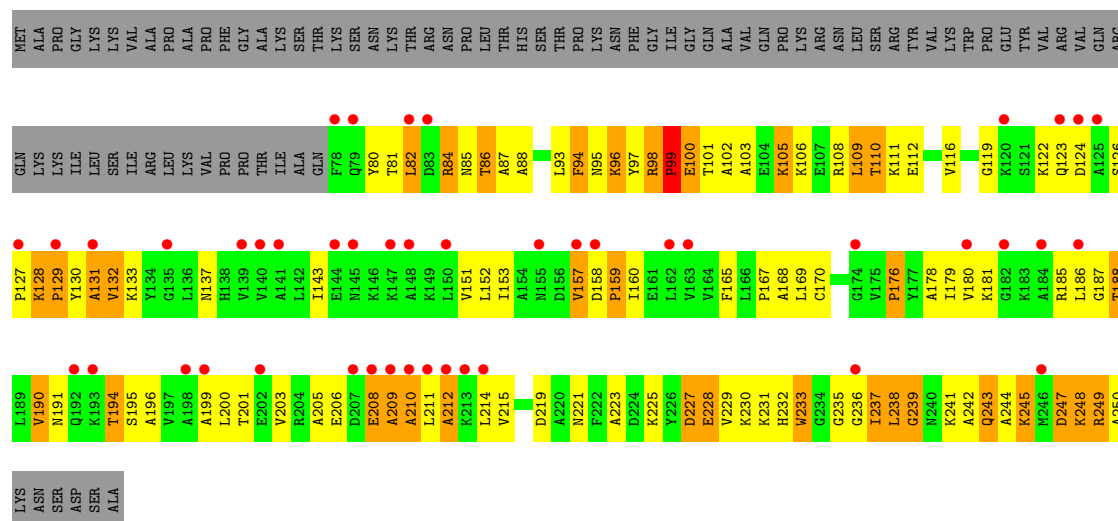


- Molecule 39: 60S ribosomal protein L8-A

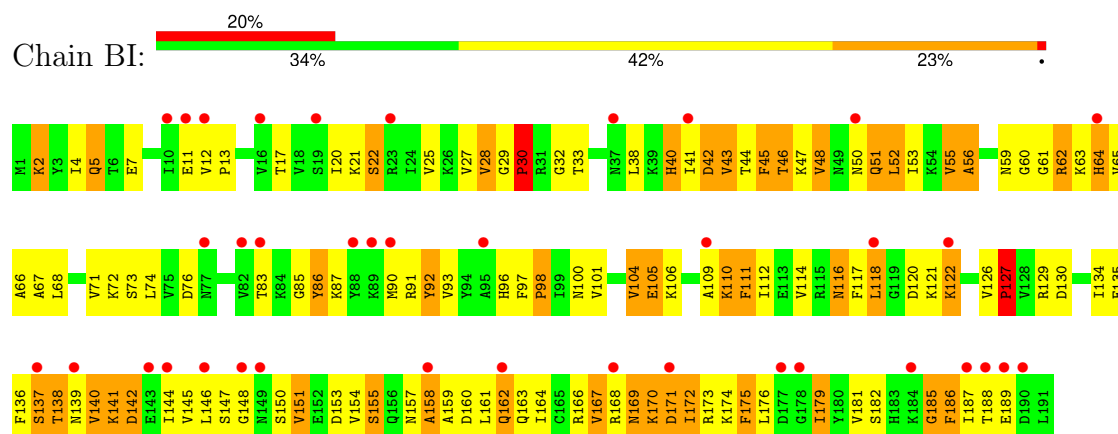


- Molecule 39: 60S ribosomal protein L8-A

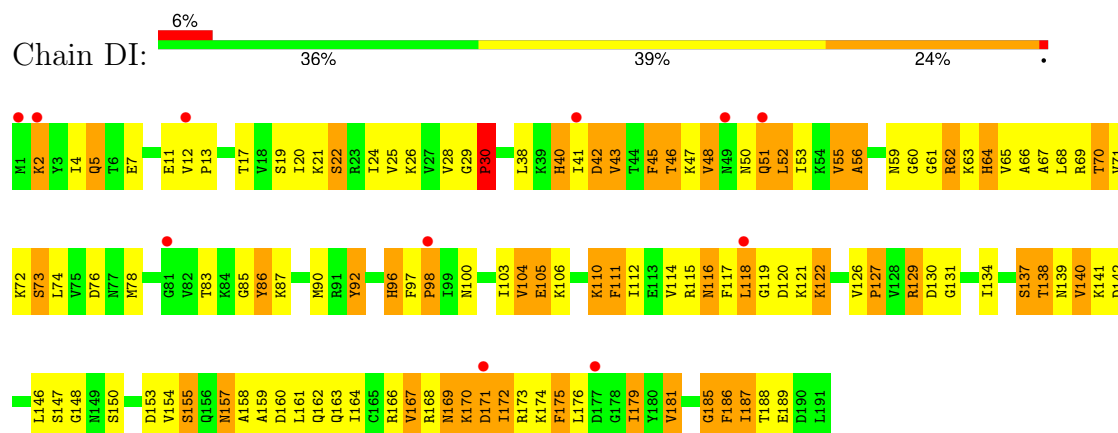




• Molecule 40: 60S ribosomal protein L9-A

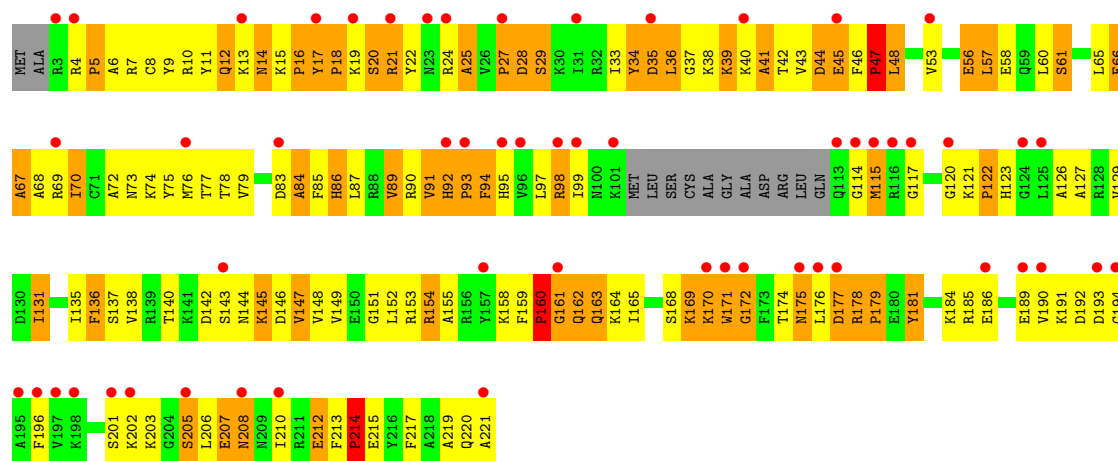


• Molecule 40: 60S ribosomal protein L9-A

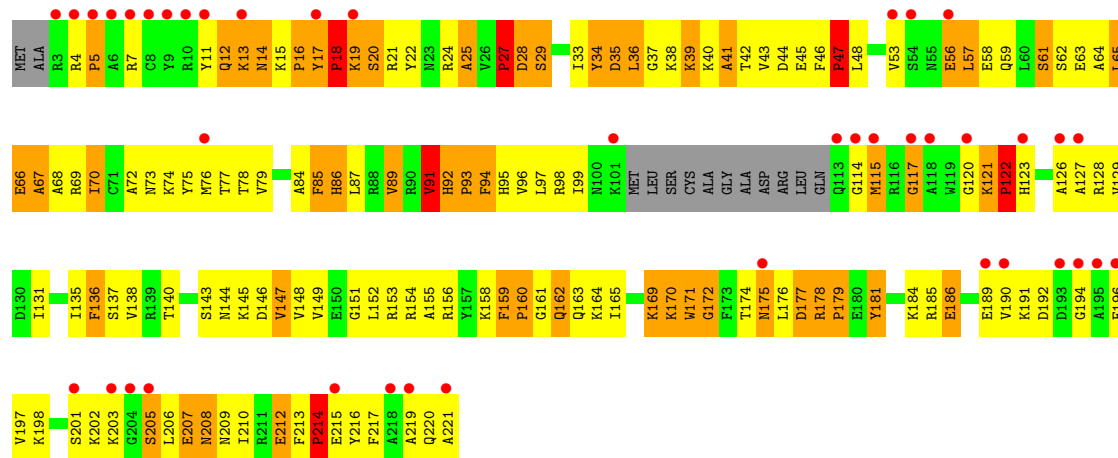


• Molecule 41: 60S ribosomal protein L10

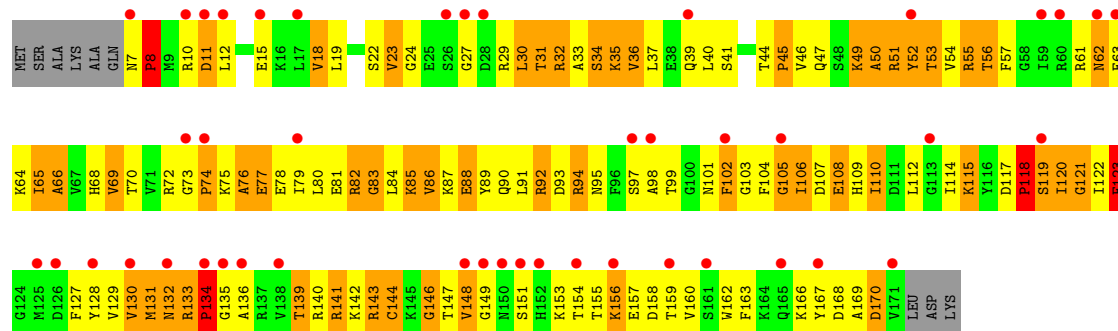
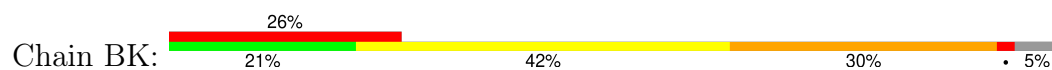




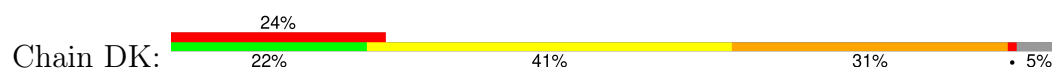
• Molecule 41: 60S ribosomal protein L10

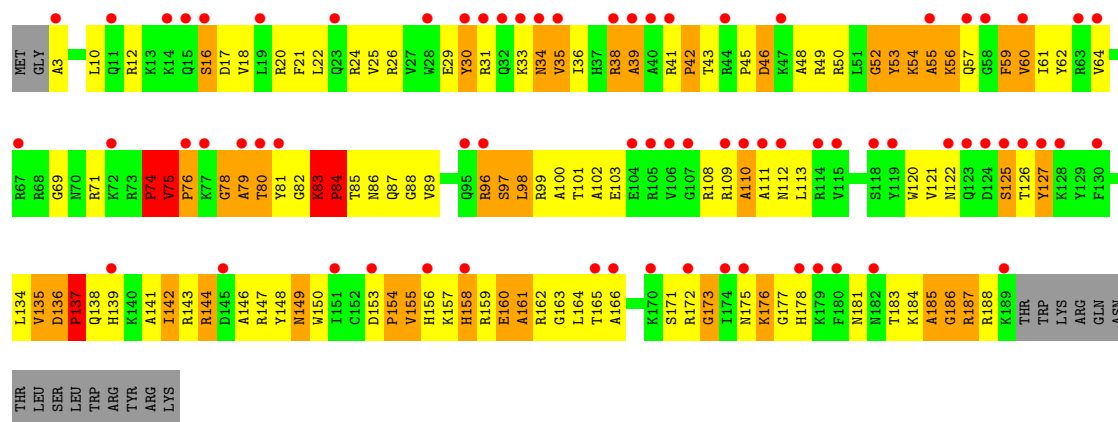
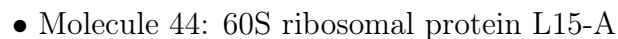


• Molecule 42: 60S ribosomal protein L11-A

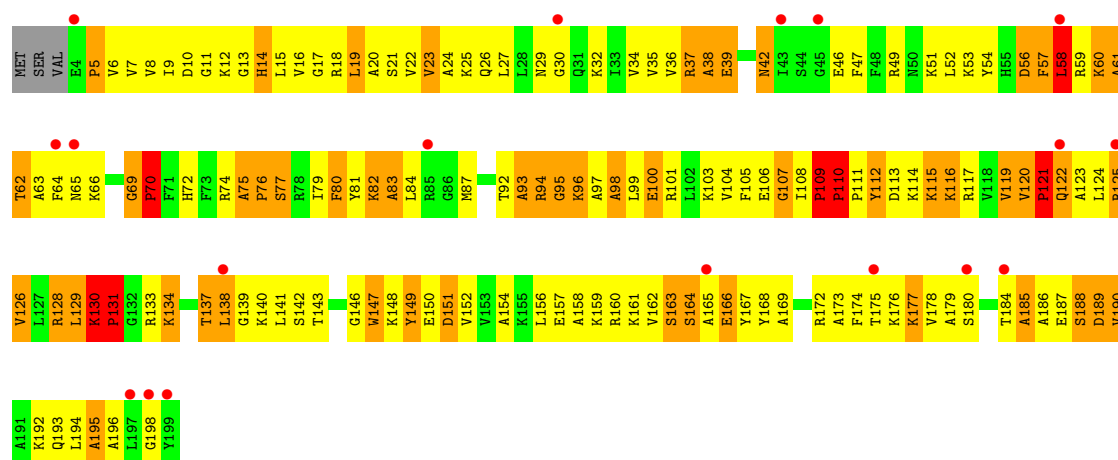


• Molecule 42: 60S ribosomal protein L11-A

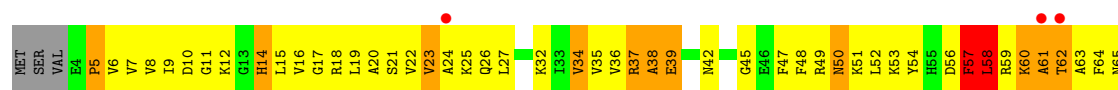


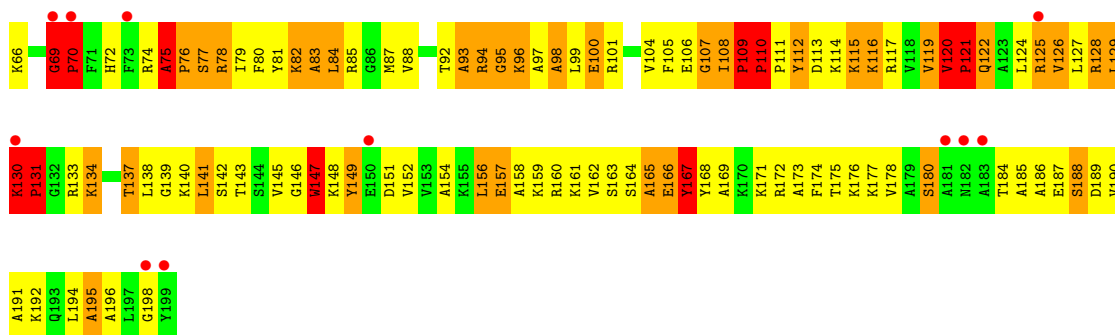


- Molecule 45: 60S ribosomal protein L16-A

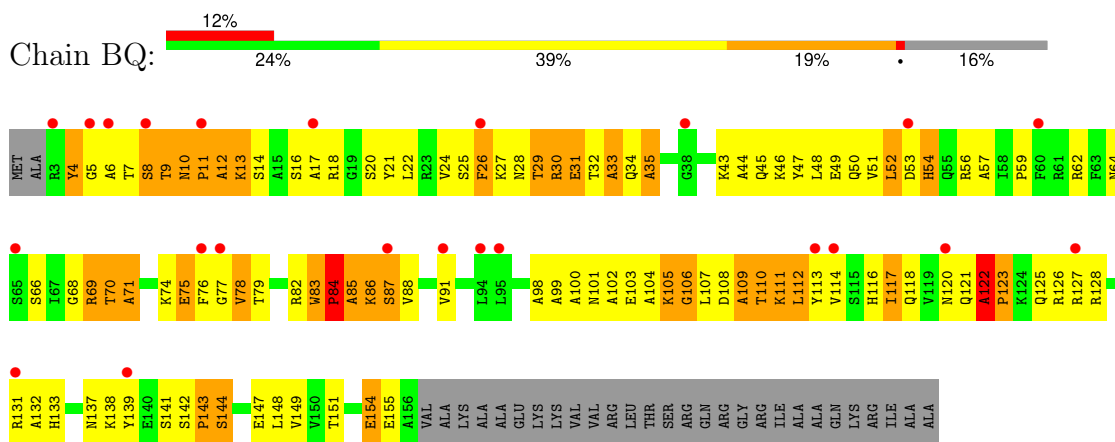


- Molecule 45: 60S ribosomal protein L16-A

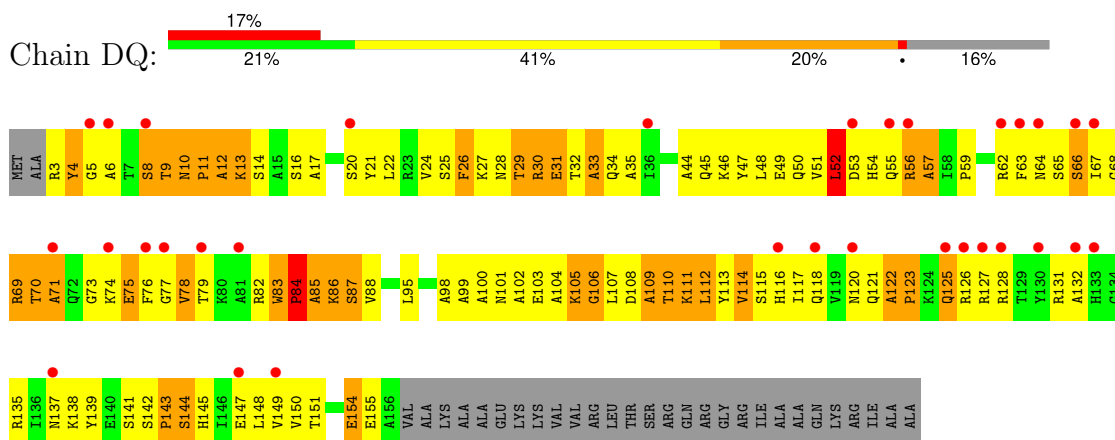




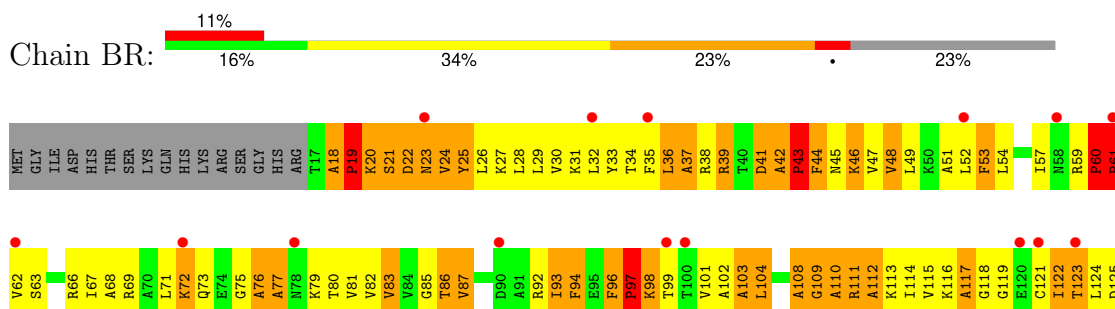
• Molecule 46: 60S ribosomal protein L17-A

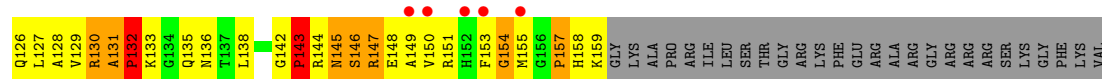


• Molecule 46: 60S ribosomal protein L17-A

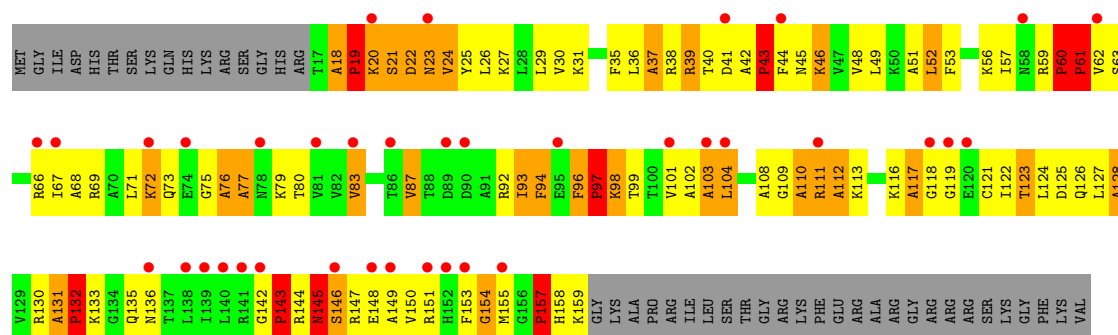
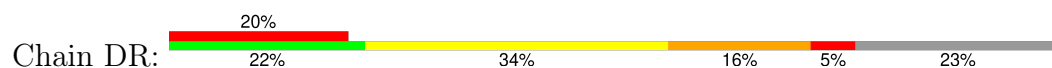


• Molecule 47: 60S ribosomal protein L18

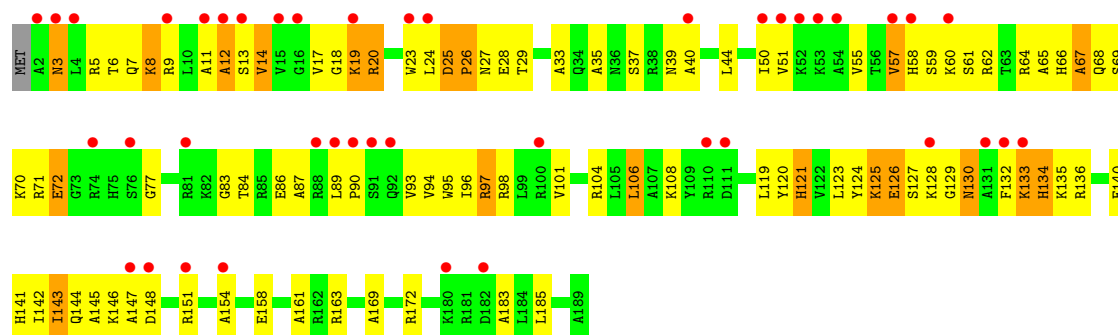




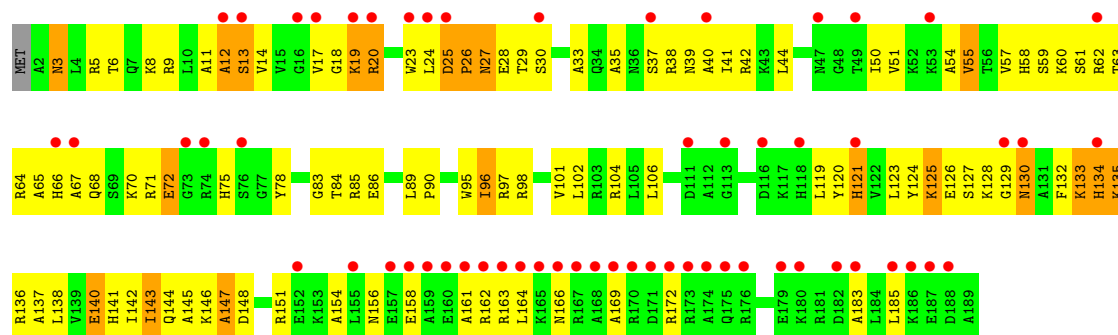
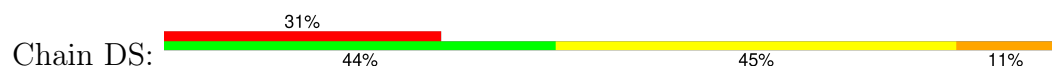
• Molecule 47: 60S ribosomal protein L18



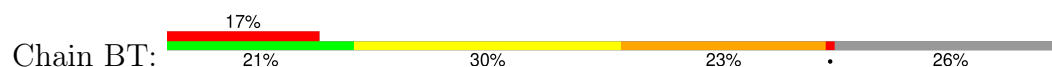
• Molecule 48: 60S ribosomal protein L19

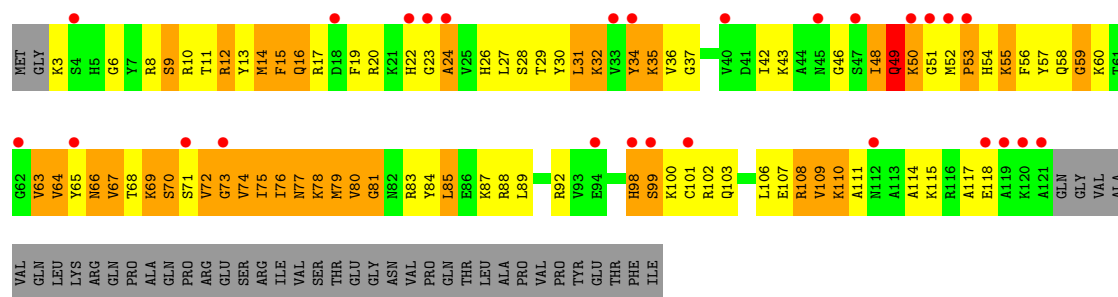


• Molecule 48: 60S ribosomal protein L19

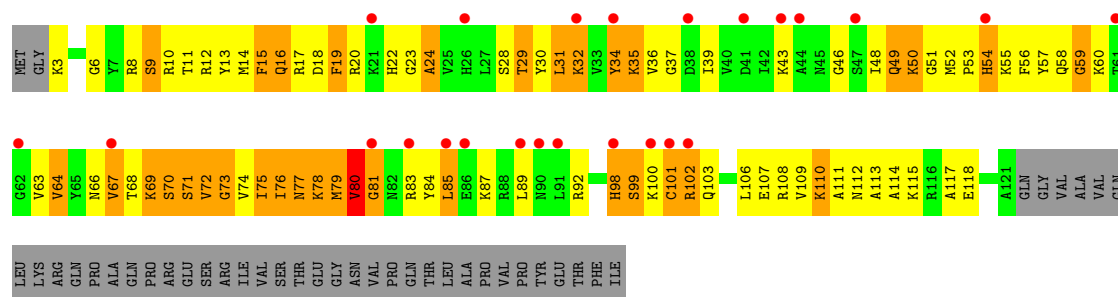
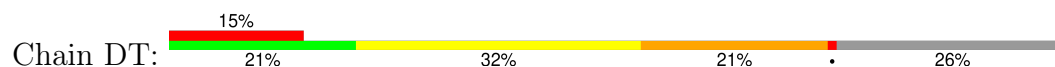


• Molecule 49: 60S ribosomal protein L21-A

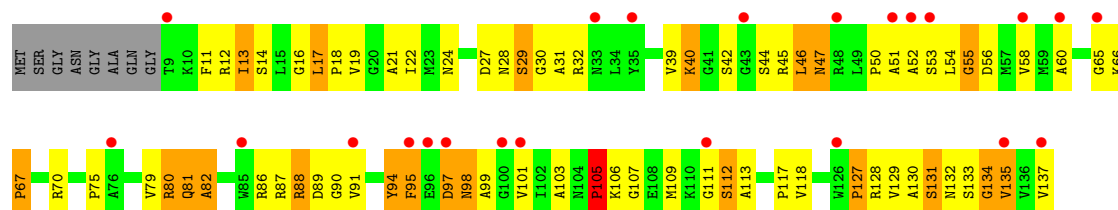




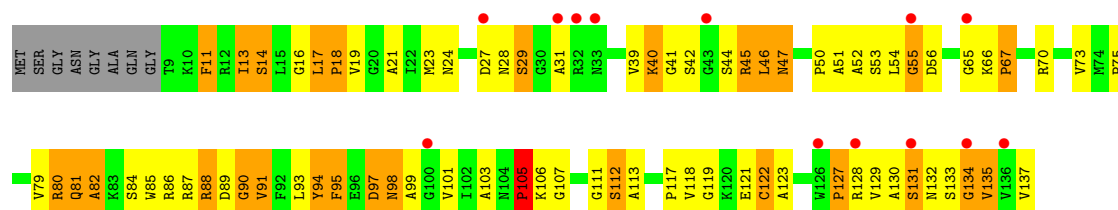
• Molecule 49: 60S ribosomal protein L21-A



• Molecule 50: 60S ribosomal protein L23

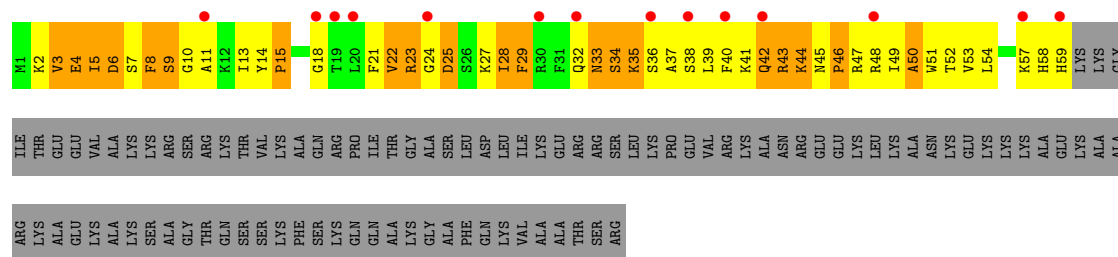


• Molecule 50: 60S ribosomal protein L23

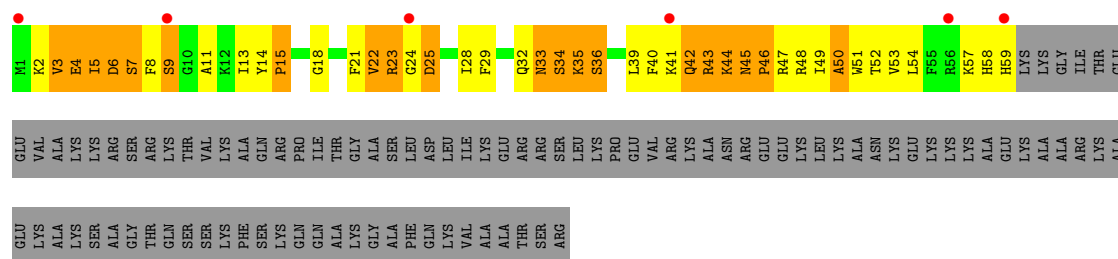


• Molecule 51: 60S ribosomal protein L24-A

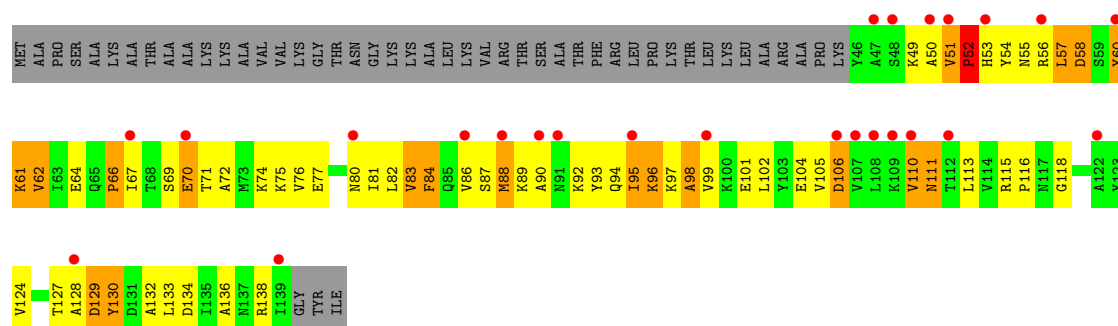
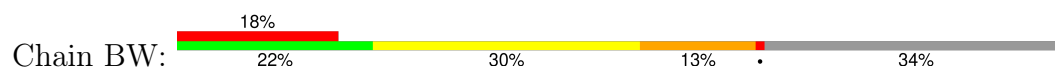




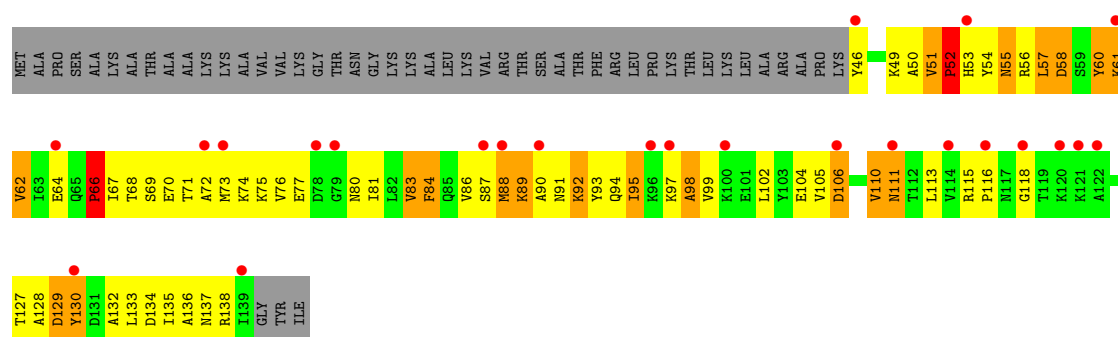
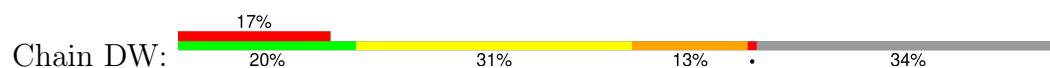
• Molecule 51: 60S ribosomal protein L24-A



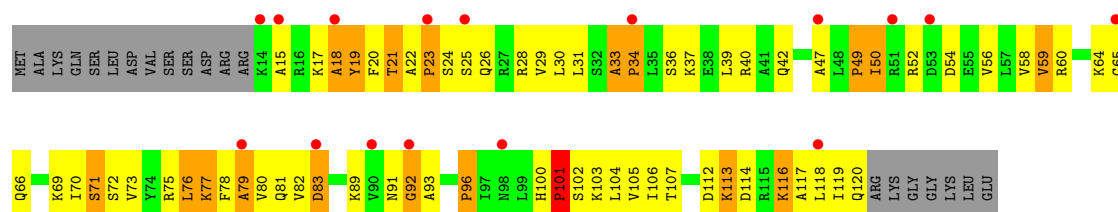
• Molecule 52: 60S ribosomal protein L25



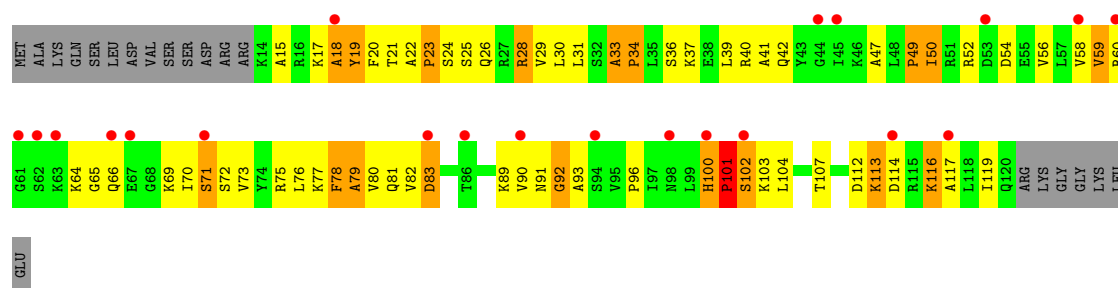
• Molecule 52: 60S ribosomal protein L25



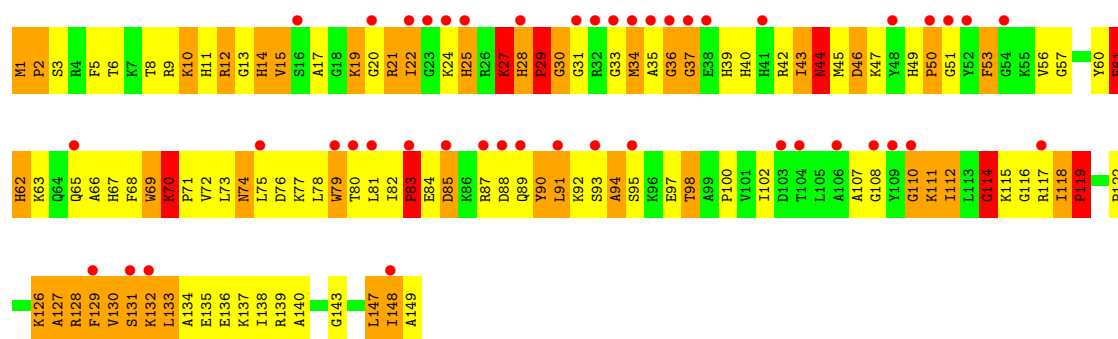
• Molecule 53: 60S ribosomal protein L26-A



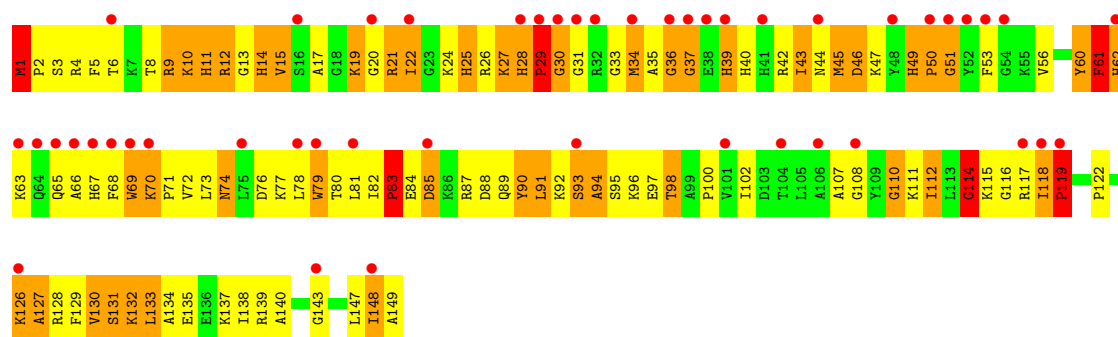
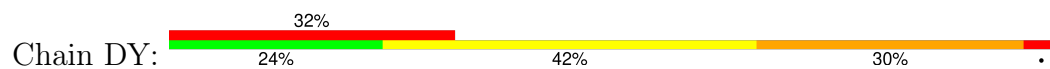
• Molecule 53: 60S ribosomal protein L26-A



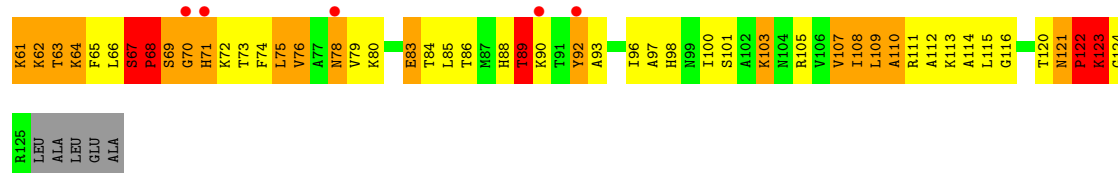
• Molecule 54: 60S ribosomal protein L28



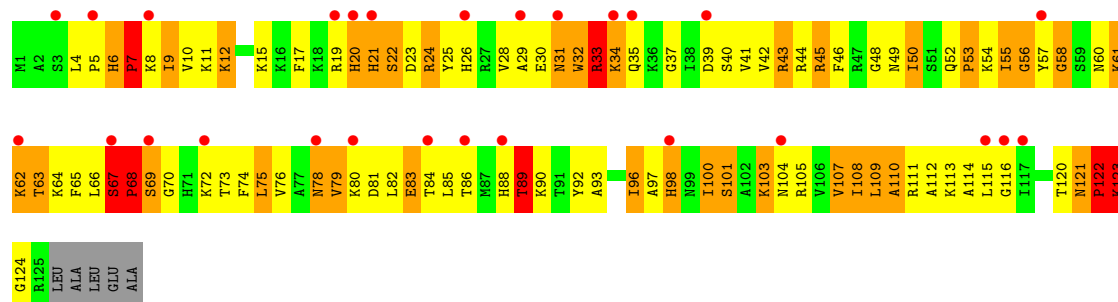
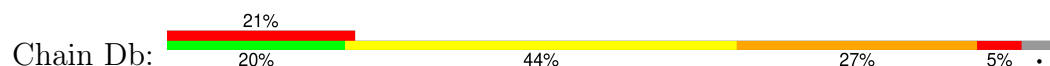
• Molecule 54: 60S ribosomal protein L28



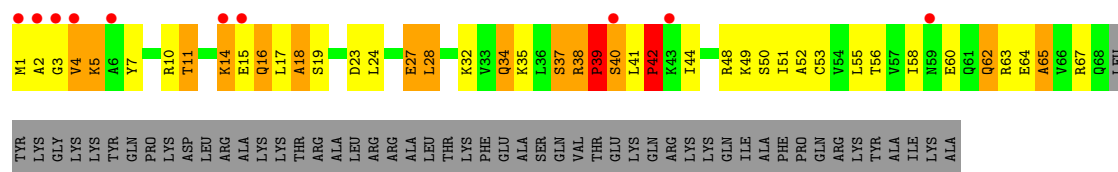
-
- | Year | Number of Publications |
|------|------------------------|
| 1981 | 1 |
| 1982 | 2 |
| 1983 | 3 |
| 1984 | 4 |
| 1985 | 5 |
| 1986 | 6 |
| 1987 | 7 |
| 1988 | 8 |
| 1989 | 9 |
| 1990 | 10 |
| 1991 | 11 |
| 1992 | 12 |
| 1993 | 13 |
| 1994 | 14 |
| 1995 | 15 |
| 1996 | 16 |
| 1997 | 17 |
| 1998 | 18 |
| 1999 | 19 |
| 2000 | 20 |
| 2001 | 21 |
| 2002 | 22 |
| 2003 | 23 |
| 2004 | 24 |
| 2005 | 25 |
| 2006 | 26 |
| 2007 | 27 |
| 2008 | 28 |
| 2009 | 29 |
| 2010 | 30 |
| 2011 | 31 |
| 2012 | 32 |
| 2013 | 33 |
| 2014 | 34 |
| 2015 | 35 |
| 2016 | 36 |
| 2017 | 37 |
| 2018 | 38 |
| 2019 | 39 |
| 2020 | 40 |



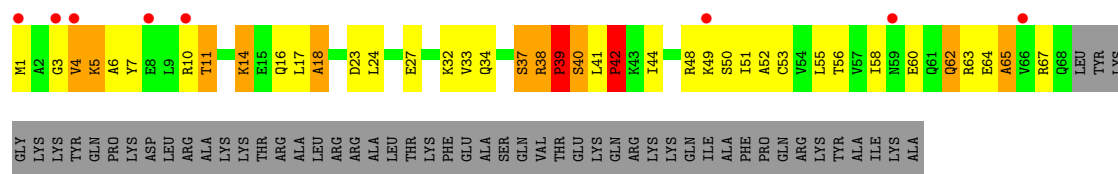
• Molecule 57: 60S ribosomal protein L32



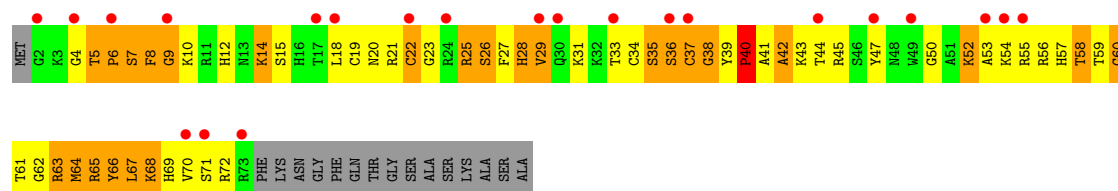
• Molecule 58: 60S ribosomal protein L35



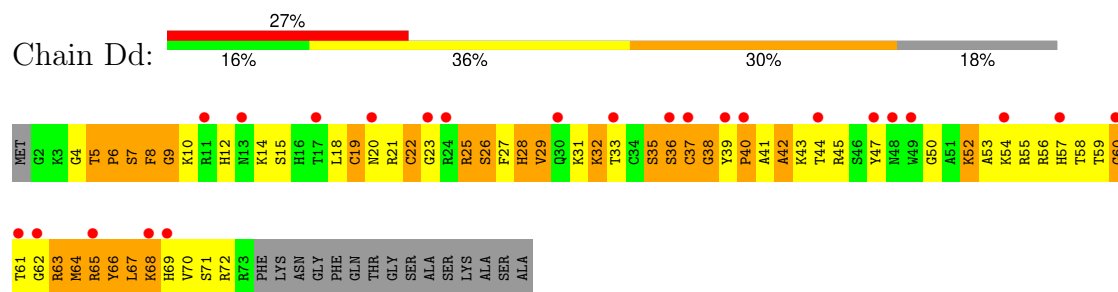
• Molecule 59: 60S ribosomal protein L37-A



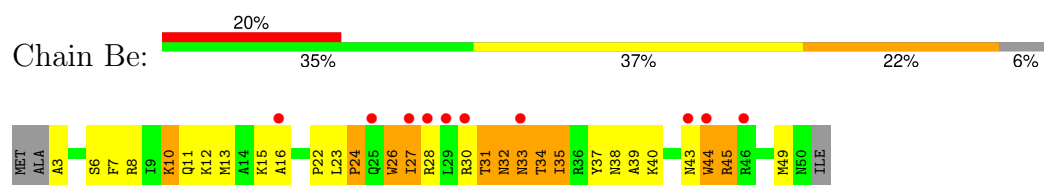
• Molecule 59: 60S ribosomal protein L37-A



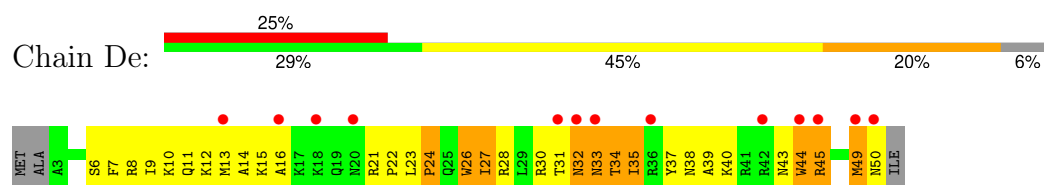
- Molecule 59: 60S ribosomal protein L37-A



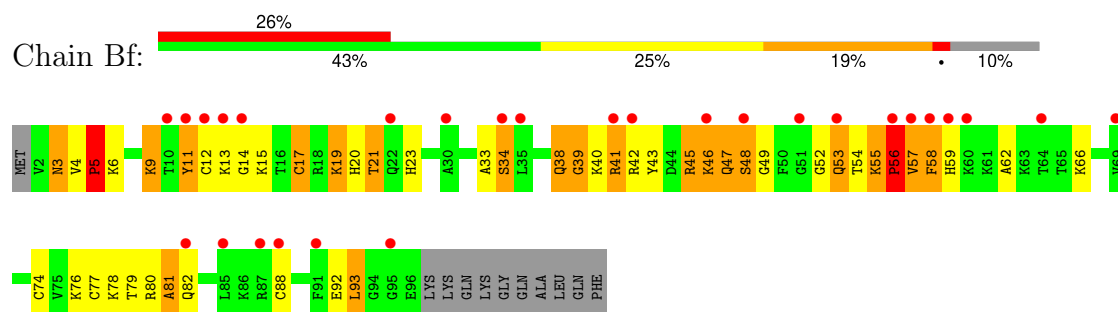
- Molecule 60: 60S ribosomal protein L39



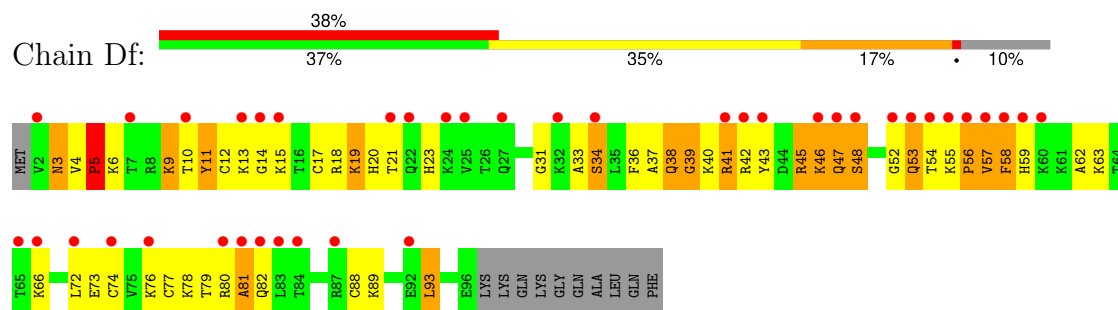
- Molecule 60: 60S ribosomal protein L39



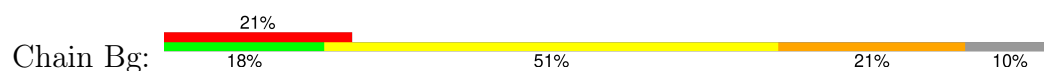
- Molecule 61: 60S ribosomal protein L42

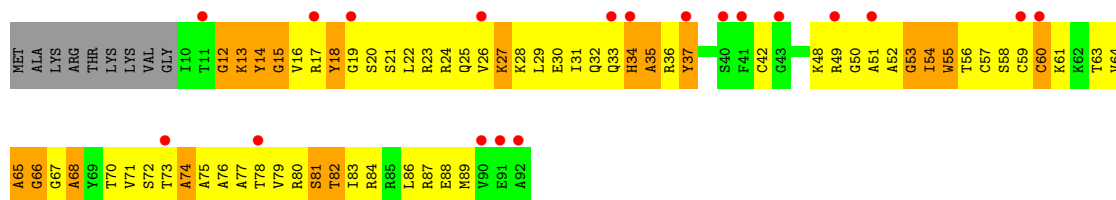


- Molecule 61: 60S ribosomal protein L42

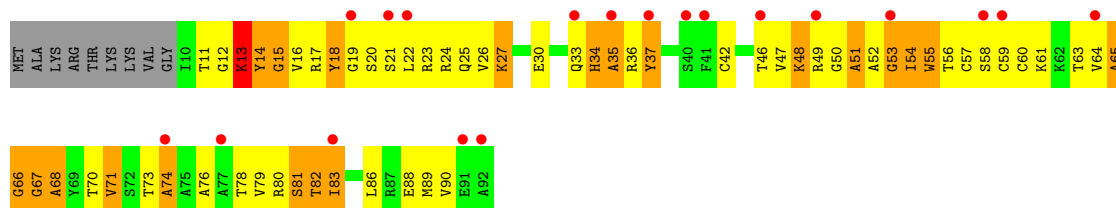
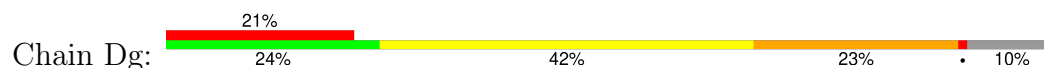


- Molecule 62: 60S ribosomal protein L43





- Molecule 62: 60S ribosomal protein L43



- Molecule 63: Unassigned secondary structure



- Molecule 63: Unassigned secondary structure



- Molecule 64: Unassigned secondary structure



- Molecule 64: Unassigned secondary structure

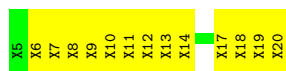


- Molecule 65: Unassigned secondary structure





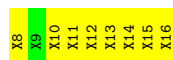
- Molecule 65: Unassigned secondary structure



- Molecule 66: Unassigned secondary structure



- Molecule 67: Unassigned secondary structure



- Molecule 68: Unassigned secondary structure



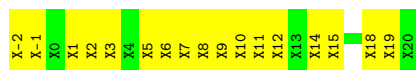
- Molecule 69: Unassigned secondary structure



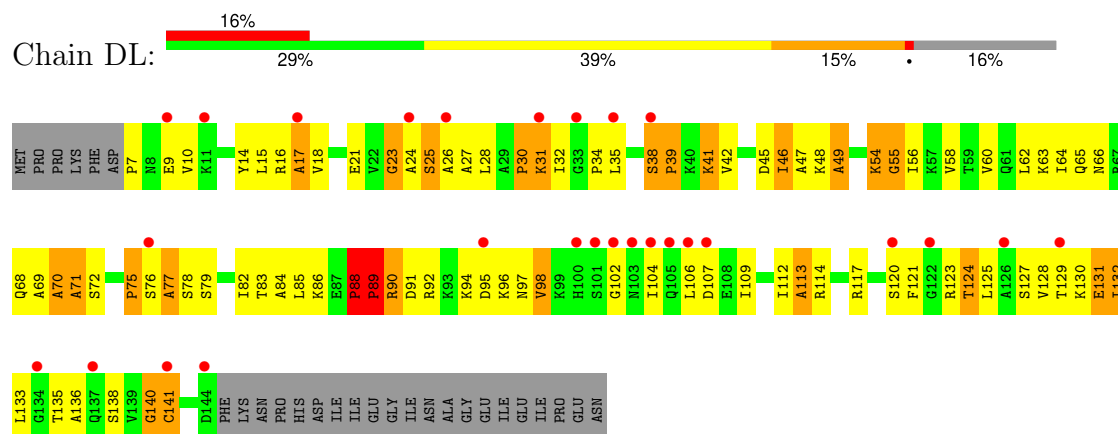
- Molecule 70: Unassigned secondary structure



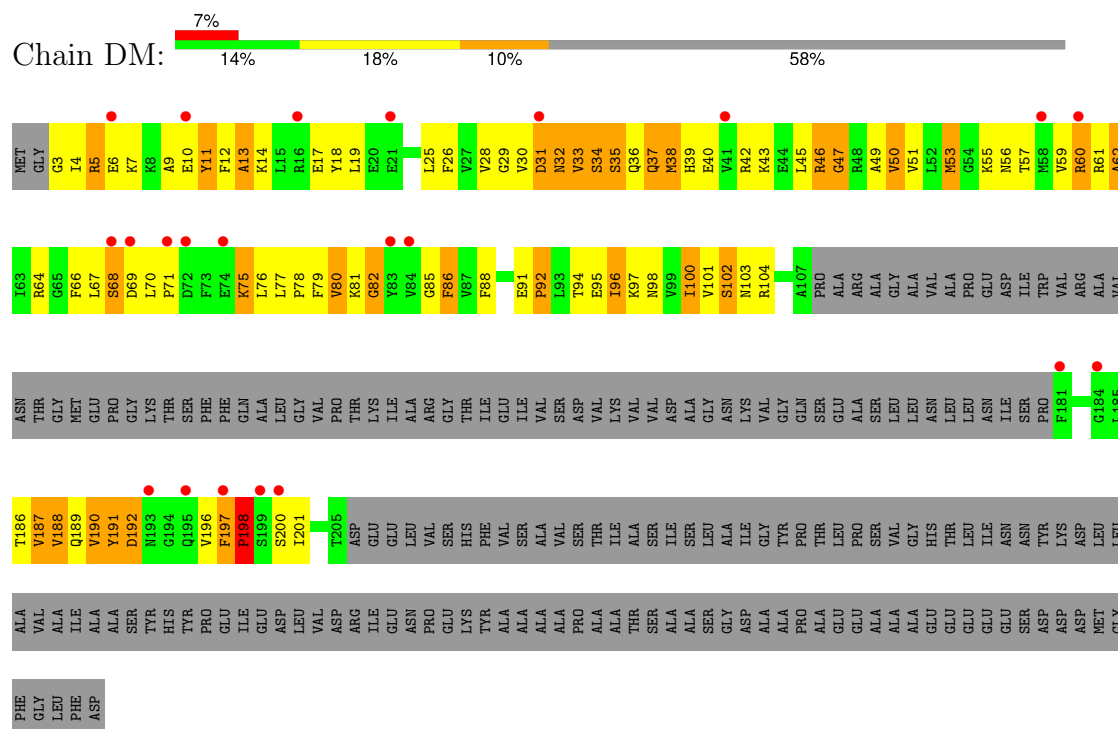
- Molecule 71: Unassigned secondary structure



- Molecule 72: 60S ribosomal protein L12



- Molecule 73: 60S acidic ribosomal protein P0



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	437.11Å 288.38Å 306.56Å 90.00° 99.13° 90.00°	Depositor
Resolution (Å)	268.00 – 4.00 268.00 – 4.00	Depositor EDS
% Data completeness (in resolution range)	(Not available) (268.00-4.00) 97.9 (268.00-4.00)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.57 (at 4.02Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.278 , 0.341 0.284 , 0.343	Depositor DCC
R_{free} test set	12353 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å ²)	147.1	Xtriage
Anisotropy	0.257	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.18 , 273.9	EDS
L-test for twinning ²	$\langle L \rangle = 0.42$, $\langle L^2 \rangle = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.87	EDS
Total number of atoms	309610	wwPDB-VP
Average B, all atoms (Å ²)	139.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.68% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: OHX

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	A1	0.44	5/42619 (0.0%)	0.54	9/66408 (0.0%)
1	C1	0.48	2/42619 (0.0%)	0.55	7/66408 (0.0%)
2	AA	0.69	0/1089	1.33	27/1517 (1.8%)
2	CA	0.78	0/1089	1.35	29/1517 (1.9%)
3	AB	0.83	1/1073 (0.1%)	1.40	23/1488 (1.5%)
3	CB	0.85	0/1073	1.38	21/1488 (1.4%)
4	AC	0.77	0/927	1.10	9/1286 (0.7%)
4	CC	0.71	0/927	1.05	7/1286 (0.5%)
5	AD	0.69	0/834	1.10	9/1159 (0.8%)
5	CD	0.77	0/834	1.21	14/1159 (1.2%)
6	AE	0.72	0/775	1.14	7/1077 (0.6%)
6	CE	0.81	0/775	1.13	9/1077 (0.8%)
7	AF	0.99	0/381	1.48	10/530 (1.9%)
7	CF	0.95	0/381	1.48	10/530 (1.9%)
8	AG	0.76	0/579	1.28	11/806 (1.4%)
8	CG	0.81	0/579	1.32	9/806 (1.1%)
9	AH	0.64	0/626	1.14	7/867 (0.8%)
9	CH	0.68	0/626	1.12	6/867 (0.7%)
10	AI	0.66	0/595	1.29	9/826 (1.1%)
10	CI	0.77	0/595	1.32	11/826 (1.3%)
11	AJ	0.75	0/657	1.21	11/911 (1.2%)
11	CJ	0.83	0/657	1.25	8/911 (0.9%)
12	AK	0.65	0/331	1.22	5/460 (1.1%)
12	CK	0.60	0/331	1.19	5/460 (1.1%)
13	AL	0.70	0/589	1.18	9/816 (1.1%)
13	CL	0.76	0/589	1.24	7/816 (0.9%)
14	AM	0.81	0/518	1.39	10/715 (1.4%)
14	CM	0.98	0/518	1.45	11/715 (1.5%)
15	AN	0.76	0/550	1.26	11/766 (1.4%)
15	CN	0.78	0/550	1.33	9/766 (1.2%)
16	AO	0.82	0/621	1.36	10/860 (1.2%)
16	CO	0.89	0/621	1.40	11/860 (1.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	AP	0.99	2/565 (0.4%)	1.38	10/781 (1.3%)
17	CP	1.11	1/565 (0.2%)	1.43	10/781 (1.3%)
18	AQ	0.64	0/331	1.16	2/460 (0.4%)
18	CQ	0.66	0/311	1.27	2/432 (0.5%)
19	AR	0.59	0/229	1.05	2/316 (0.6%)
19	CR	0.65	0/229	1.12	2/316 (0.6%)
20	AS	0.86	1/189 (0.5%)	0.97	1/260 (0.4%)
20	CS	0.86	1/189 (0.5%)	0.99	1/260 (0.4%)
21	AT	0.64	1/1541 (0.1%)	1.02	9/2141 (0.4%)
21	CT	0.67	0/1541	1.06	11/2141 (0.5%)
29	B1	0.61	1/76764 (0.0%)	0.65	21/119684 (0.0%)
29	D1	0.59	3/76764 (0.0%)	0.64	18/119684 (0.0%)
30	B2	0.58	0/2883	0.68	1/4491 (0.0%)
30	D2	0.64	0/2883	0.70	2/4491 (0.0%)
31	B3	0.53	0/3746	0.57	1/5832 (0.0%)
31	D3	0.46	0/3746	0.54	1/5832 (0.0%)
32	BA	0.50	0/1054	1.05	12/1468 (0.8%)
32	DA	0.49	0/1054	1.00	11/1468 (0.7%)
33	BB	0.95	0/1103	1.42	25/1501 (1.7%)
33	DB	0.82	0/1103	1.35	23/1501 (1.5%)
34	BC	1.08	1/1790 (0.1%)	1.55	45/2487 (1.8%)
34	DC	1.20	6/1790 (0.3%)	1.60	44/2487 (1.8%)
35	BD	1.06	1/1311 (0.1%)	1.48	29/1817 (1.6%)
35	DD	0.87	0/1311	1.42	27/1817 (1.5%)
36	BE	0.81	0/1411	1.45	38/1960 (1.9%)
36	DE	0.92	0/1411	1.52	43/1960 (2.2%)
37	BF	1.19	2/872 (0.2%)	1.74	38/1215 (3.1%)
37	DF	1.34	3/872 (0.3%)	1.77	36/1215 (3.0%)
38	BG	1.15	2/1059 (0.2%)	1.64	29/1471 (2.0%)
38	DG	1.23	6/1059 (0.6%)	1.65	33/1471 (2.2%)
39	BH	0.72	0/855	1.26	13/1190 (1.1%)
39	DH	0.69	0/855	1.21	11/1190 (0.9%)
40	BI	1.02	1/941 (0.1%)	1.34	14/1308 (1.1%)
40	DI	1.18	0/941	1.45	14/1308 (1.1%)
41	BJ	1.00	0/1025	1.37	20/1424 (1.4%)
41	DJ	1.08	2/1025 (0.2%)	1.36	16/1424 (1.1%)
42	BK	0.85	0/809	1.34	18/1122 (1.6%)
42	DK	0.93	0/809	1.35	14/1122 (1.2%)
43	BN	1.04	0/592	1.56	15/823 (1.8%)
43	DN	1.23	0/592	1.67	18/823 (2.2%)
44	BO	0.92	0/922	1.35	16/1282 (1.2%)
44	DO	0.77	0/922	1.31	17/1282 (1.3%)
45	BP	1.25	1/966 (0.1%)	1.68	28/1343 (2.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
45	DP	1.32	6/966 (0.6%)	1.73	33/1343 (2.5%)
46	BQ	1.12	2/760 (0.3%)	1.38	10/1057 (0.9%)
46	DQ	1.05	1/760 (0.1%)	1.32	13/1057 (1.2%)
47	BR	1.09	1/705 (0.1%)	1.48	15/980 (1.5%)
47	DR	0.91	0/705	1.36	14/980 (1.4%)
48	BS	0.79	0/930	1.09	9/1295 (0.7%)
48	DS	0.74	0/930	1.03	9/1295 (0.7%)
49	BT	1.06	1/585 (0.2%)	1.35	7/812 (0.9%)
49	DT	1.08	0/585	1.41	10/812 (1.2%)
50	BU	1.00	0/630	1.34	10/872 (1.1%)
50	DU	1.21	2/630 (0.3%)	1.47	13/872 (1.5%)
51	BV	0.80	0/290	1.15	2/402 (0.5%)
51	DV	0.89	0/290	1.21	2/402 (0.5%)
52	BW	0.84	0/467	1.23	8/651 (1.2%)
52	DW	0.76	0/467	1.24	8/651 (1.2%)
53	BX	0.86	0/529	1.27	9/736 (1.2%)
53	DX	0.76	0/529	1.28	11/736 (1.5%)
54	BY	1.10	3/726 (0.4%)	1.66	20/1004 (2.0%)
54	DY	0.99	3/726 (0.4%)	1.56	19/1004 (1.9%)
55	BZ	0.72	0/480	1.15	5/665 (0.8%)
55	DZ	0.67	0/480	1.14	3/665 (0.5%)
56	Ba	0.98	0/424	1.40	6/589 (1.0%)
56	Da	0.96	0/424	1.42	6/589 (1.0%)
57	Bb	1.10	2/617 (0.3%)	1.64	16/858 (1.9%)
57	Db	0.94	0/617	1.57	18/858 (2.1%)
58	Bc	0.79	0/338	1.35	7/471 (1.5%)
58	Dc	0.65	0/338	1.23	6/471 (1.3%)
59	Bd	0.97	0/351	1.46	8/485 (1.6%)
59	Dd	0.77	0/351	1.41	8/485 (1.6%)
60	Be	0.89	0/239	1.31	3/333 (0.9%)
60	De	0.75	0/239	1.24	4/333 (1.2%)
61	Bf	0.65	0/466	1.04	3/646 (0.5%)
61	Df	0.54	0/466	1.00	3/646 (0.5%)
62	Bg	0.82	0/406	1.25	5/562 (0.9%)
62	Dg	0.73	0/406	1.07	4/562 (0.7%)
72	DL	0.62	0/678	1.18	12/941 (1.3%)
73	DM	0.70	0/639	1.16	9/886 (1.0%)
All	All	0.65	64/326627 (0.0%)	0.82	1440/496371 (0.3%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
3	AB	0	2
3	CB	0	2
17	AP	0	1
17	CP	0	1
18	AQ	0	1
18	CQ	0	1
22	Bo	0	1
23	Ab	0	1
23	Cb	0	1
24	Ac	0	1
29	B1	0	3
29	D1	0	3
34	BC	0	5
34	DC	0	6
35	BD	0	1
35	DD	0	2
36	BE	0	1
36	DE	0	1
37	BF	0	4
37	DF	0	4
38	BG	0	1
38	DG	0	1
42	BK	0	1
42	DK	0	1
44	DO	0	1
45	BP	0	4
45	DP	0	5
49	BT	0	1
49	DT	0	1
51	BV	0	1
51	DV	0	1
54	BY	0	2
54	DY	0	2
56	Ba	0	1
56	Da	0	1
57	Bb	0	1
57	Db	0	1
All	All	0	68

The worst 5 of 64 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
37	DF	88	SER	CA-C	6.88	1.61	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A1	243	G	C1'-N9	-6.85	1.37	1.48
35	BD	230	VAL	CA-CB	-6.81	1.47	1.55
54	BY	45	MET	CA-C	6.81	1.61	1.53
1	C1	129	U	C1'-N1	6.75	1.57	1.47

The worst 5 of 1440 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	DD	126	ILE	N-CA-C	-14.57	96.72	110.42
35	BD	126	ILE	N-CA-C	-13.80	97.56	110.53
14	CM	55	TYR	N-CA-C	-12.56	97.90	113.97
45	DP	65	ASN	N-CA-C	-12.17	97.71	111.71
62	Bg	12	GLY	N-CA-C	-12.00	98.65	114.25

There are no chirality outliers.

5 of 68 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
3	AB	224	PHE	Peptide
3	AB	225	LEU	Peptide
17	AP	28	ASN	Peptide
18	AQ	41	ILE	Peptide
23	Ab	14	UNK	Peptide

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	A1	38107	0	19170	5871	0
1	C1	38107	0	19169	6031	0
2	AA	1090	0	508	139	0
2	CA	1090	0	508	140	0
3	AB	1074	0	502	150	0
3	CB	1074	0	502	158	0
4	AC	928	0	448	101	0
4	CC	928	0	448	105	0
5	AD	836	0	391	119	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
5	CD	836	0	391	126	0
6	AE	777	0	362	99	0
6	CE	777	0	362	102	0
7	AF	382	0	164	27	0
7	CF	382	0	164	25	0
8	AG	580	0	266	78	0
8	CG	580	0	266	70	0
9	AH	627	0	312	69	0
9	CH	627	0	312	79	0
10	AI	596	0	272	63	0
10	CI	596	0	272	79	0
11	AJ	658	0	307	88	0
11	CJ	658	0	307	96	0
12	AK	332	0	146	32	0
12	CK	332	0	146	27	0
13	AL	591	0	261	82	0
13	CL	591	0	261	84	0
14	AM	521	0	251	73	0
14	CM	521	0	251	74	0
15	AN	551	0	229	84	0
15	CN	551	0	229	80	0
16	AO	622	0	283	66	0
16	CO	622	0	283	60	0
17	AP	566	0	260	81	0
17	CP	566	0	260	78	0
18	AQ	332	0	149	19	0
18	CQ	312	0	135	17	0
19	AR	230	0	100	12	0
19	CR	230	0	100	13	0
20	AS	190	0	85	50	0
20	CS	190	0	85	48	0
21	AT	1543	0	743	105	0
21	CT	1543	0	743	111	0
22	Aa	100	0	25	6	0
22	Bo	100	0	23	7	0
22	Ca	100	0	23	10	0
23	Ab	525	0	141	44	0
23	Cb	525	0	138	58	0
24	Ac	465	0	122	59	0
24	Cc	465	0	120	48	0
25	Ad	175	0	39	25	0
25	Cd	175	0	41	24	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
26	Ae	105	0	25	18	0
26	Bj	105	0	23	9	0
26	Dj	105	0	24	7	0
27	Af	55	0	15	3	0
28	Ah	205	0	51	29	0
28	Ch	205	0	50	33	0
29	B1	68577	0	34452	11544	0
29	D1	68577	0	34452	11469	0
30	B2	2579	0	1304	605	0
30	D2	2579	0	1304	616	0
31	B3	3353	0	1695	674	0
31	D3	3353	0	1695	623	0
32	BA	1055	0	453	36	0
32	DA	1055	0	453	40	0
33	BB	1106	0	512	108	0
33	DB	1106	0	512	128	0
34	BC	1791	0	839	282	0
34	DC	1791	0	839	282	0
35	BD	1312	0	651	182	0
35	DD	1312	0	651	173	0
36	BE	1412	0	670	238	0
36	DE	1412	0	670	237	0
37	BF	873	0	400	159	0
37	DF	873	0	400	156	0
38	BG	1061	0	492	157	0
38	DG	1061	0	492	161	0
39	BH	856	0	432	85	0
39	DH	856	0	432	77	0
40	BI	942	0	414	96	0
40	DI	942	0	414	97	0
41	BJ	1027	0	468	108	0
41	DJ	1027	0	468	112	0
42	BK	810	0	360	136	0
42	DK	810	0	360	130	0
43	BN	593	0	299	113	0
43	DN	593	0	299	121	0
44	BO	923	0	423	143	0
44	DO	923	0	423	128	0
45	BP	967	0	468	158	0
45	DP	967	0	468	169	0
46	BQ	761	0	371	106	0
46	DQ	761	0	371	117	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
47	BR	706	0	340	106	0
47	DR	706	0	340	98	0
48	BS	931	0	460	80	0
48	DS	931	0	460	87	0
49	BT	586	0	269	92	0
49	DT	586	0	269	77	0
50	BU	631	0	306	39	0
50	DU	631	0	306	45	0
51	BV	291	0	131	43	0
51	DV	291	0	131	39	0
52	BW	468	0	213	42	0
52	DW	468	0	213	50	0
53	BX	530	0	240	52	0
53	DX	530	0	240	48	0
54	BY	727	0	346	109	0
54	DY	727	0	346	106	0
55	BZ	481	0	224	33	0
55	DZ	481	0	224	37	0
56	Ba	425	0	191	54	0
56	Da	425	0	191	60	0
57	Bb	618	0	284	81	0
57	Db	618	0	284	85	0
58	Bc	339	0	155	39	0
58	Dc	339	0	155	42	0
59	Bd	352	0	161	67	0
59	Dd	352	0	161	63	0
60	Be	240	0	105	24	0
60	De	240	0	105	25	0
61	Bf	467	0	210	41	0
61	Df	467	0	210	44	0
62	Bg	407	0	203	66	0
62	Dg	407	0	203	69	0
63	Bh	220	0	57	34	0
63	Dh	220	0	53	35	0
64	Bi	60	0	16	5	0
64	Di	60	0	14	4	0
65	Bk	80	0	20	21	0
65	Dk	80	0	21	23	0
66	Bl	95	0	21	6	0
67	Bm	45	0	12	7	0
68	Bn	135	0	34	7	0
69	Bp	40	0	11	12	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
70	Bq	85	0	25	20	0
71	Br	115	0	27	20	0
72	DL	679	0	325	52	0
73	DM	641	0	281	71	0
74	A1	714	0	0	93	0
74	AL	7	0	0	0	0
74	AS	7	0	0	18	0
74	AT	7	0	0	1	0
74	Ac	7	0	0	0	0
74	B1	1547	0	0	191	0
74	B2	70	0	0	12	0
74	B3	84	0	0	14	0
74	BC	7	0	0	1	0
74	BO	7	0	0	0	0
74	BT	7	0	0	2	0
74	Bd	14	0	0	10	0
74	Bg	7	0	0	10	0
74	C1	707	0	0	100	0
74	CI	7	0	0	0	0
74	CS	14	0	0	16	0
74	CT	7	0	0	0	0
74	D1	1575	0	0	185	0
74	D2	63	0	0	16	0
74	D3	84	0	0	22	0
74	DC	7	0	0	0	0
74	DE	7	0	0	0	0
74	DJ	7	0	0	0	0
74	DO	14	0	0	6	0
74	DT	7	0	0	0	0
74	Dd	14	0	0	11	0
74	Dg	7	0	0	11	0
All	All	309610	0	149262	46170	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 101.

The worst 5 of 46170 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)
63:Dh:14:UNK:CB	63:Dh:14:UNK:CA	1.77	1.60
23:Cb:23:UNK:CB	23:Cb:23:UNK:CA	1.79	1.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
29:B1:592:A:H2'	29:B1:593:C:C4'	1.31	1.55
29:B1:606:C:H3'	29:B1:607:A:C8	1.39	1.54
29:D1:606:C:H3'	29:D1:607:A:C8	1.43	1.52

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 X-ray entries followed by that with respect to entries of similar resolution.

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	
2	AA	218/252 (86%)	75 (34%)	68 (31%)	75 (34%)	0	0
2	CA	218/252 (86%)	78 (36%)	63 (29%)	77 (35%)	0	0
3	AB	217/254 (85%)	85 (39%)	54 (25%)	78 (36%)	0	0
3	CB	217/254 (85%)	81 (37%)	62 (29%)	74 (34%)	0	0
4	AC	187/240 (78%)	72 (38%)	56 (30%)	59 (32%)	0	0
4	CC	187/240 (78%)	69 (37%)	55 (29%)	63 (34%)	0	0
5	AD	165/225 (73%)	55 (33%)	46 (28%)	64 (39%)	0	0
5	CD	165/225 (73%)	58 (35%)	44 (27%)	63 (38%)	0	0
6	AE	153/197 (78%)	48 (31%)	54 (35%)	51 (33%)	0	0
6	CE	153/197 (78%)	48 (31%)	49 (32%)	56 (37%)	0	0
7	AF	75/156 (48%)	32 (43%)	18 (24%)	25 (33%)	0	0
7	CF	75/156 (48%)	31 (41%)	20 (27%)	24 (32%)	0	0
8	AG	115/151 (76%)	46 (40%)	38 (33%)	31 (27%)	0	0
8	CG	115/151 (76%)	49 (43%)	33 (29%)	33 (29%)	0	0
9	AH	126/137 (92%)	52 (41%)	38 (30%)	36 (29%)	0	0
9	CH	126/137 (92%)	51 (40%)	39 (31%)	36 (29%)	0	0
10	AI	119/142 (84%)	38 (32%)	40 (34%)	41 (34%)	0	0

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	CI	119/142 (84%)	43 (36%)	35 (29%)	41 (34%)	0	0
11	AJ	132/143 (92%)	57 (43%)	33 (25%)	42 (32%)	0	0
11	CJ	132/143 (92%)	52 (39%)	37 (28%)	43 (33%)	0	0
12	AK	65/136 (48%)	27 (42%)	16 (25%)	22 (34%)	0	0
12	CK	65/136 (48%)	28 (43%)	16 (25%)	21 (32%)	0	0
13	AL	116/146 (80%)	48 (41%)	34 (29%)	34 (29%)	0	0
13	CL	116/146 (80%)	48 (41%)	33 (28%)	35 (30%)	0	0
14	AM	100/144 (69%)	38 (38%)	28 (28%)	34 (34%)	0	0
14	CM	100/144 (69%)	36 (36%)	27 (27%)	37 (37%)	0	0
15	AN	109/121 (90%)	49 (45%)	30 (28%)	30 (28%)	0	0
15	CN	109/121 (90%)	49 (45%)	29 (27%)	31 (28%)	0	0
16	AO	125/130 (96%)	48 (38%)	40 (32%)	37 (30%)	0	0
16	CO	125/130 (96%)	49 (39%)	36 (29%)	40 (32%)	0	0
17	AP	114/145 (79%)	48 (42%)	24 (21%)	42 (37%)	0	0
17	CP	114/145 (79%)	45 (40%)	28 (25%)	41 (36%)	0	0
18	AQ	65/108 (60%)	28 (43%)	21 (32%)	16 (25%)	0	1
18	CQ	61/108 (56%)	28 (46%)	18 (30%)	15 (25%)	0	1
19	AR	45/67 (67%)	17 (38%)	12 (27%)	16 (36%)	0	0
19	CR	45/67 (67%)	17 (38%)	11 (24%)	17 (38%)	0	0
20	AS	37/56 (66%)	8 (22%)	14 (38%)	15 (40%)	0	0
20	CS	37/56 (66%)	8 (22%)	13 (35%)	16 (43%)	0	0
21	AT	309/319 (97%)	180 (58%)	71 (23%)	58 (19%)	0	2
21	CT	309/319 (97%)	184 (60%)	66 (21%)	59 (19%)	0	2
32	BA	211/217 (97%)	76 (36%)	67 (32%)	68 (32%)	0	0
32	DA	211/217 (97%)	76 (36%)	79 (37%)	56 (26%)	0	0
33	BB	228/254 (90%)	80 (35%)	55 (24%)	93 (41%)	0	0
33	DB	228/254 (90%)	83 (36%)	55 (24%)	90 (40%)	0	0
34	BC	362/387 (94%)	112 (31%)	100 (28%)	150 (41%)	0	0
34	DC	362/387 (94%)	109 (30%)	102 (28%)	151 (42%)	0	0
35	BD	266/362 (74%)	111 (42%)	79 (30%)	76 (29%)	0	0
35	DD	266/362 (74%)	109 (41%)	78 (29%)	79 (30%)	0	0

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
36	BE	285/297 (96%)	108 (38%)	82 (29%)	95 (33%)	0	0
36	DE	285/297 (96%)	105 (37%)	79 (28%)	101 (35%)	0	0
37	BF	174/176 (99%)	44 (25%)	62 (36%)	68 (39%)	0	0
37	DF	174/176 (99%)	43 (25%)	61 (35%)	70 (40%)	0	0
38	BG	211/244 (86%)	85 (40%)	62 (29%)	64 (30%)	0	0
38	DG	211/244 (86%)	89 (42%)	60 (28%)	62 (29%)	0	0
39	BH	171/256 (67%)	59 (34%)	58 (34%)	54 (32%)	0	0
39	DH	171/256 (67%)	60 (35%)	62 (36%)	49 (29%)	0	0
40	BI	189/191 (99%)	76 (40%)	60 (32%)	53 (28%)	0	0
40	DI	189/191 (99%)	79 (42%)	57 (30%)	53 (28%)	0	0
41	BJ	204/221 (92%)	80 (39%)	52 (26%)	72 (35%)	0	0
41	DJ	204/221 (92%)	75 (37%)	55 (27%)	74 (36%)	0	0
42	BK	163/174 (94%)	57 (35%)	42 (26%)	64 (39%)	0	0
42	DK	163/174 (94%)	56 (34%)	46 (28%)	61 (37%)	0	0
43	BN	118/138 (86%)	27 (23%)	44 (37%)	47 (40%)	0	0
43	DN	118/138 (86%)	28 (24%)	39 (33%)	51 (43%)	0	0
44	BO	185/204 (91%)	77 (42%)	49 (26%)	59 (32%)	0	0
44	DO	185/204 (91%)	76 (41%)	53 (29%)	56 (30%)	0	0
45	BP	194/199 (98%)	81 (42%)	56 (29%)	57 (29%)	0	0
45	DP	194/199 (98%)	77 (40%)	62 (32%)	55 (28%)	0	0
46	BQ	152/184 (83%)	62 (41%)	44 (29%)	46 (30%)	0	0
46	DQ	152/184 (83%)	62 (41%)	45 (30%)	45 (30%)	0	0
47	BR	141/186 (76%)	63 (45%)	28 (20%)	50 (36%)	0	0
47	DR	141/186 (76%)	59 (42%)	32 (23%)	50 (36%)	0	0
48	BS	186/189 (98%)	104 (56%)	57 (31%)	25 (13%)	0	3
48	DS	186/189 (98%)	101 (54%)	60 (32%)	25 (13%)	0	3
49	BT	117/160 (73%)	53 (45%)	18 (15%)	46 (39%)	0	0
49	DT	117/160 (73%)	50 (43%)	23 (20%)	44 (38%)	0	0
50	BU	127/137 (93%)	64 (50%)	28 (22%)	35 (28%)	0	0
50	DU	127/137 (93%)	70 (55%)	21 (16%)	36 (28%)	0	0
51	BV	57/155 (37%)	14 (25%)	19 (33%)	24 (42%)	0	0

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
51	DV	57/155 (37%)	15 (26%)	16 (28%)	26 (46%)	0	0
52	BW	92/142 (65%)	30 (33%)	30 (33%)	32 (35%)	0	0
52	DW	92/142 (65%)	32 (35%)	28 (30%)	32 (35%)	0	0
53	BX	105/127 (83%)	53 (50%)	28 (27%)	24 (23%)	0	1
53	DX	105/127 (83%)	55 (52%)	30 (29%)	20 (19%)	0	2
54	BY	147/149 (99%)	37 (25%)	47 (32%)	63 (43%)	0	0
54	DY	147/149 (99%)	36 (24%)	51 (35%)	60 (41%)	0	0
55	BZ	96/105 (91%)	48 (50%)	28 (29%)	20 (21%)	0	1
55	DZ	96/105 (91%)	51 (53%)	28 (29%)	17 (18%)	0	2
56	Ba	84/113 (74%)	27 (32%)	27 (32%)	30 (36%)	0	0
56	Da	84/113 (74%)	25 (30%)	28 (33%)	31 (37%)	0	0
57	Bb	123/130 (95%)	39 (32%)	28 (23%)	56 (46%)	0	0
57	Db	123/130 (95%)	41 (33%)	31 (25%)	51 (42%)	0	0
58	Bc	66/120 (55%)	28 (42%)	23 (35%)	15 (23%)	0	1
58	Dc	66/120 (55%)	28 (42%)	26 (39%)	12 (18%)	0	2
59	Bd	70/88 (80%)	19 (27%)	20 (29%)	31 (44%)	0	0
59	Dd	70/88 (80%)	17 (24%)	24 (34%)	29 (41%)	0	0
60	Be	46/51 (90%)	25 (54%)	8 (17%)	13 (28%)	0	0
60	De	46/51 (90%)	22 (48%)	12 (26%)	12 (26%)	0	1
61	Bf	93/106 (88%)	37 (40%)	28 (30%)	28 (30%)	0	0
61	Df	93/106 (88%)	37 (40%)	28 (30%)	28 (30%)	0	0
62	Bg	81/92 (88%)	31 (38%)	27 (33%)	23 (28%)	0	0
62	Dg	81/92 (88%)	32 (40%)	24 (30%)	25 (31%)	0	0
72	DL	136/165 (82%)	42 (31%)	42 (31%)	52 (38%)	0	0
73	DM	126/312 (40%)	48 (38%)	31 (25%)	47 (37%)	0	0
All	All	14930/18123 (82%)	5798 (39%)	4273 (29%)	4859 (32%)	0	0

5 of 4859 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	AA	11	PRO
2	AA	13	ASP
2	AA	14	ALA

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Mol	Chain	Res	Type
2	AA	21	ASN
2	AA	24	LEU

5.3.2 Protein sidechains ⓘ

There are no protein residues with a non-rotameric sidechain to report in this entry.

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A1	1787/1800 (99%)	1004 (56%)	148 (8%)
1	C1	1787/1800 (99%)	993 (55%)	150 (8%)
29	B1	3203/3396 (94%)	1734 (54%)	259 (8%)
29	D1	3203/3396 (94%)	1726 (53%)	257 (8%)
30	B2	120/121 (99%)	70 (58%)	12 (10%)
30	D2	120/121 (99%)	66 (55%)	12 (10%)
31	B3	157/158 (99%)	80 (50%)	9 (5%)
31	D3	157/158 (99%)	79 (50%)	9 (5%)
All	All	10534/10950 (96%)	5752 (54%)	856 (8%)

5 of 5752 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	A1	2	A
1	A1	3	U
1	A1	4	C
1	A1	7	G
1	A1	8	U

5 of 856 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	C1	262	U
1	C1	1761	U
29	D1	3093	C
1	C1	380	U
1	C1	254	A

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

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

715 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	$\# Z > 2$
74	OHX	B3	205	-	0,6,6	-	-	-		
74	OHX	D1	3464	-	0,6,6	-	-	-		
74	OHX	A1	1983	-	0,6,6	-	-	-		
74	OHX	B1	3594	-	0,6,6	-	-	-		
74	OHX	CT	401	-	0,6,6	-	-	-		
74	OHX	B1	3602	-	0,6,6	-	-	-		
74	OHX	D1	3493	-	0,6,6	-	-	-		
74	OHX	A1	1978	-	0,6,6	-	-	-		
74	OHX	C1	1905	-	0,6,6	-	-	-		
74	OHX	B1	3470	-	0,6,6	-	-	-		
74	OHX	A1	1920	-	0,6,6	-	-	-		
74	OHX	B1	3571	-	0,6,6	-	-	-		
74	OHX	B1	3615	-	0,6,6	-	-	-		
74	OHX	A1	1946	-	0,6,6	-	-	-		
74	OHX	B1	3444	-	0,6,6	-	-	-		
74	OHX	B1	3608	-	0,6,6	-	-	-		
74	OHX	A1	1975	-	0,6,6	-	-	-		
74	OHX	D1	3480	-	0,6,6	-	-	-		
74	OHX	A1	1927	-	0,6,6	-	-	-		
74	OHX	D1	3408	-	0,6,6	-	-	-		
74	OHX	D1	3572	-	0,6,6	-	-	-		
74	OHX	D1	3484	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	C1	1924	-	0,6,6	-	-	-		
74	OHX	A1	1962	-	0,6,6	-	-	-		
74	OHX	D1	3510	-	0,6,6	-	-	-		
74	OHX	A1	1954	-	0,6,6	-	-	-		
74	OHX	D3	210	-	0,6,6	-	-	-		
74	OHX	B1	3477	-	0,6,6	-	-	-		
74	OHX	C1	2001	-	0,6,6	-	-	-		
74	OHX	D1	3519	-	0,6,6	-	-	-		
74	OHX	B1	3459	-	0,6,6	-	-	-		
74	OHX	C1	1921	-	0,6,6	-	-	-		
74	OHX	A1	1984	-	0,6,6	-	-	-		
74	OHX	B1	3534	-	0,6,6	-	-	-		
74	OHX	B1	3448	-	0,6,6	-	-	-		
74	OHX	C1	1946	-	0,6,6	-	-	-		
74	OHX	B1	3410	-	0,6,6	-	-	-		
74	OHX	D1	3415	29	0,6,6	-	-	-		
74	OHX	C1	1957	-	0,6,6	-	-	-		
74	OHX	D1	3483	-	0,6,6	-	-	-		
74	OHX	B1	3536	-	0,6,6	-	-	-		
74	OHX	B1	3589	-	0,6,6	-	-	-		
74	OHX	B1	3465	-	0,6,6	-	-	-		
74	OHX	C1	1935	-	0,6,6	-	-	-		
74	OHX	D1	3473	-	0,6,6	-	-	-		
74	OHX	B1	3463	-	0,6,6	-	-	-		
74	OHX	C1	1981	-	0,6,6	-	-	-		
74	OHX	B3	207	-	0,6,6	-	-	-		
74	OHX	D1	3503	-	0,6,6	-	-	-		
74	OHX	D1	3413	-	0,6,6	-	-	-		
74	OHX	D1	3495	-	0,6,6	-	-	-		
74	OHX	B1	3434	-	0,6,6	-	-	-		
74	OHX	B1	3488	-	0,6,6	-	-	-		
74	OHX	B1	3407	-	0,6,6	-	-	-		
74	OHX	C1	1986	-	0,6,6	-	-	-		
74	OHX	B3	201	-	0,6,6	-	-	-		
74	OHX	AL	201	-	0,6,6	-	-	-		
74	OHX	B1	3587	-	0,6,6	-	-	-		
74	OHX	A1	1951	-	0,6,6	-	-	-		
74	OHX	A1	1999	-	0,6,6	-	-	-		
74	OHX	B1	3449	-	0,6,6	-	-	-		
74	OHX	D1	3496	-	0,6,6	-	-	-		
74	OHX	D2	201	30	0,6,6	-	-	-		
74	OHX	B1	3559	-	0,6,6	-	-	-		
74	OHX	D1	3514	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3606	-	0,6,6	-	-	-		
74	OHX	D1	3422	-	0,6,6	-	-	-		
74	OHX	A1	1904	-	0,6,6	-	-	-		
74	OHX	D1	3423	-	0,6,6	-	-	-		
74	OHX	D1	3431	-	0,6,6	-	-	-		
74	OHX	B1	3579	-	0,6,6	-	-	-		
74	OHX	A1	1923	-	0,6,6	-	-	-		
74	OHX	C1	1945	-	0,6,6	-	-	-		
74	OHX	A1	1943	-	0,6,6	-	-	-		
74	OHX	B1	3573	-	0,6,6	-	-	-		
74	OHX	B1	3432	-	0,6,6	-	-	-		
74	OHX	B1	3500	-	0,6,6	-	-	-		
74	OHX	A1	1916	-	0,6,6	-	-	-		
74	OHX	B1	3433	-	0,6,6	-	-	-		
74	OHX	D1	3447	-	0,6,6	-	-	-		
74	OHX	D3	202	-	0,6,6	-	-	-		
74	OHX	B1	3528	-	0,6,6	-	-	-		
74	OHX	A1	1986	-	0,6,6	-	-	-		
74	OHX	B1	3509	-	0,6,6	-	-	-		
74	OHX	B1	3524	-	0,6,6	-	-	-		
74	OHX	C1	1951	-	0,6,6	-	-	-		
74	OHX	Dg	101	-	0,6,6	-	-	-		
74	OHX	D1	3466	-	0,6,6	-	-	-		
74	OHX	A1	1964	-	0,6,6	-	-	-		
74	OHX	B1	3415	-	0,6,6	-	-	-		
74	OHX	A1	1915	-	0,6,6	-	-	-		
74	OHX	D1	3549	-	0,6,6	-	-	-		
74	OHX	B1	3520	-	0,6,6	-	-	-		
74	OHX	B1	3436	-	0,6,6	-	-	-		
74	OHX	B1	3478	-	0,6,6	-	-	-		
74	OHX	D1	3578	-	0,6,6	-	-	-		
74	OHX	A1	1985	-	0,6,6	-	-	-		
74	OHX	B1	3618	-	0,6,6	-	-	-		
74	OHX	B1	3403	-	0,6,6	-	-	-		
74	OHX	B1	3426	-	0,6,6	-	-	-		
74	OHX	CS	101	-	0,6,6	-	-	-		
74	OHX	D1	3418	-	0,6,6	-	-	-		
74	OHX	D1	3468	-	0,6,6	-	-	-		
74	OHX	B1	3525	-	0,6,6	-	-	-		
74	OHX	B1	3604	-	0,6,6	-	-	-		
74	OHX	D1	3576	-	0,6,6	-	-	-		
74	OHX	C1	1994	-	0,6,6	-	-	-		
74	OHX	D1	3437	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3601	-	0,6,6	-	-	-		
74	OHX	D1	3454	-	0,6,6	-	-	-		
74	OHX	Bd	101	-	0,6,6	-	-	-		
74	OHX	B1	3429	-	0,6,6	-	-	-		
74	OHX	A1	1992	-	0,6,6	-	-	-		
74	OHX	A1	1913	-	0,6,6	-	-	-		
74	OHX	B1	3420	-	0,6,6	-	-	-		
74	OHX	B1	3443	-	0,6,6	-	-	-		
74	OHX	B1	3424	-	0,6,6	-	-	-		
74	OHX	C1	1907	-	0,6,6	-	-	-		
74	OHX	B1	3461	-	0,6,6	-	-	-		
74	OHX	B1	3583	-	0,6,6	-	-	-		
74	OHX	D1	3499	-	0,6,6	-	-	-		
74	OHX	B1	3508	-	0,6,6	-	-	-		
74	OHX	B1	3427	-	0,6,6	-	-	-		
74	OHX	A1	1926	-	0,6,6	-	-	-		
74	OHX	B1	3527	-	0,6,6	-	-	-		
74	OHX	C1	1940	-	0,6,6	-	-	-		
74	OHX	B1	3521	-	0,6,6	-	-	-		
74	OHX	A1	1939	-	0,6,6	-	-	-		
74	OHX	B3	206	-	0,6,6	-	-	-		
74	OHX	B1	3597	-	0,6,6	-	-	-		
74	OHX	C1	1979	-	0,6,6	-	-	-		
74	OHX	C1	1901	-	0,6,6	-	-	-		
74	OHX	B3	208	-	0,6,6	-	-	-		
74	OHX	C1	1956	-	0,6,6	-	-	-		
74	OHX	C1	1976	-	0,6,6	-	-	-		
74	OHX	C1	1937	-	0,6,6	-	-	-		
74	OHX	C1	1995	-	0,6,6	-	-	-		
74	OHX	D1	3455	-	0,6,6	-	-	-		
74	OHX	B1	3430	-	0,6,6	-	-	-		
74	OHX	A1	1987	-	0,6,6	-	-	-		
74	OHX	B1	3599	-	0,6,6	-	-	-		
74	OHX	D1	3490	-	0,6,6	-	-	-		
74	OHX	B1	3402	-	0,6,6	-	-	-		
74	OHX	D2	207	-	0,6,6	-	-	-		
74	OHX	B1	3458	-	0,6,6	-	-	-		
74	OHX	A1	1988	-	0,6,6	-	-	-		
74	OHX	Bd	102	-	0,6,6	-	-	-		
74	OHX	B2	209	-	0,6,6	-	-	-		
74	OHX	B1	3532	-	0,6,6	-	-	-		
74	OHX	A1	1966	-	0,6,6	-	-	-		
74	OHX	D1	3547	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3595	-	0,6,6	-	-	-		
74	OHX	C1	1960	-	0,6,6	-	-	-		
74	OHX	D1	3538	-	0,6,6	-	-	-		
74	OHX	B1	3439	-	0,6,6	-	-	-		
74	OHX	D2	203	-	0,6,6	-	-	-		
74	OHX	C1	1952	-	0,6,6	-	-	-		
74	OHX	B1	3421	-	0,6,6	-	-	-		
74	OHX	B1	3560	-	0,6,6	-	-	-		
74	OHX	DE	301	-	0,6,6	-	-	-		
74	OHX	D1	3593	-	0,6,6	-	-	-		
74	OHX	A1	1974	-	0,6,6	-	-	-		
74	OHX	B1	3409	-	0,6,6	-	-	-		
74	OHX	B1	3517	-	0,6,6	-	-	-		
74	OHX	B1	3578	-	0,6,6	-	-	-		
74	OHX	C1	1926	-	0,6,6	-	-	-		
74	OHX	B1	3404	-	0,6,6	-	-	-		
74	OHX	D1	3491	-	0,6,6	-	-	-		
74	OHX	D1	3529	-	0,6,6	-	-	-		
74	OHX	B1	3471	-	0,6,6	-	-	-		
74	OHX	D1	3556	-	0,6,6	-	-	-		
74	OHX	A1	1958	-	0,6,6	-	-	-		
74	OHX	B1	3505	-	0,6,6	-	-	-		
74	OHX	B1	3405	-	0,6,6	-	-	-		
74	OHX	B1	3590	-	0,6,6	-	-	-		
74	OHX	C1	1996	-	0,6,6	-	-	-		
74	OHX	D1	3403	-	0,6,6	-	-	-		
74	OHX	B1	3504	-	0,6,6	-	-	-		
74	OHX	D1	3535	-	0,6,6	-	-	-		
74	OHX	B1	3567	-	0,6,6	-	-	-		
74	OHX	D1	3441	-	0,6,6	-	-	-		
74	OHX	B1	3425	-	0,6,6	-	-	-		
74	OHX	A1	1911	-	0,6,6	-	-	-		
74	OHX	B1	3598	-	0,6,6	-	-	-		
74	OHX	D1	3575	-	0,6,6	-	-	-		
74	OHX	D1	3563	-	0,6,6	-	-	-		
74	OHX	B2	201	-	0,6,6	-	-	-		
74	OHX	C1	1950	-	0,6,6	-	-	-		
74	OHX	C1	1914	-	0,6,6	-	-	-		
74	OHX	B1	3548	-	0,6,6	-	-	-		
74	OHX	C1	1903	-	0,6,6	-	-	-		
74	OHX	C1	1910	-	0,6,6	-	-	-		
74	OHX	B1	3581	-	0,6,6	-	-	-		
74	OHX	B3	202	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3540	-	0,6,6	-	-	-		
74	OHX	B1	3469	-	0,6,6	-	-	-		
74	OHX	C1	1977	-	0,6,6	-	-	-		
74	OHX	D1	3618	-	0,6,6	-	-	-		
74	OHX	D1	3585	-	0,6,6	-	-	-		
74	OHX	B3	203	-	0,6,6	-	-	-		
74	OHX	B1	3555	-	0,6,6	-	-	-		
74	OHX	A1	1936	-	0,6,6	-	-	-		
74	OHX	D1	3477	-	0,6,6	-	-	-		
74	OHX	D1	3497	-	0,6,6	-	-	-		
74	OHX	A1	1965	-	0,6,6	-	-	-		
74	OHX	D1	3401	-	0,6,6	-	-	-		
74	OHX	D1	3507	-	0,6,6	-	-	-		
74	OHX	B1	3518	-	0,6,6	-	-	-		
74	OHX	C1	1989	-	0,6,6	-	-	-		
74	OHX	A1	1959	-	0,6,6	-	-	-		
74	OHX	B1	3541	-	0,6,6	-	-	-		
74	OHX	D1	3596	-	0,6,6	-	-	-		
74	OHX	A1	1912	-	0,6,6	-	-	-		
74	OHX	BC	401	-	0,6,6	-	-	-		
74	OHX	B1	3484	-	0,6,6	-	-	-		
74	OHX	A1	1953	-	0,6,6	-	-	-		
74	OHX	D1	3522	-	0,6,6	-	-	-		
74	OHX	B1	3537	29	0,6,6	-	-	-		
74	OHX	C1	1936	-	0,6,6	-	-	-		
74	OHX	D1	3526	-	0,6,6	-	-	-		
74	OHX	D1	3605	-	0,6,6	-	-	-		
74	OHX	B1	3545	-	0,6,6	-	-	-		
74	OHX	DT	201	-	0,6,6	-	-	-		
74	OHX	C1	1931	-	0,6,6	-	-	-		
74	OHX	C1	1999	-	0,6,6	-	-	-		
74	OHX	D1	3607	-	0,6,6	-	-	-		
74	OHX	B1	3486	-	0,6,6	-	-	-		
74	OHX	D1	3419	-	0,6,6	-	-	-		
74	OHX	C1	1949	-	0,6,6	-	-	-		
74	OHX	C1	1961	-	0,6,6	-	-	-		
74	OHX	D1	3546	-	0,6,6	-	-	-		
74	OHX	A1	1971	-	0,6,6	-	-	-		
74	OHX	B1	3447	-	0,6,6	-	-	-		
74	OHX	D1	3428	-	0,6,6	-	-	-		
74	OHX	B1	3406	-	0,6,6	-	-	-		
74	OHX	B1	3570	-	0,6,6	-	-	-		
74	OHX	D1	3469	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D3	209	-	0,6,6	-	-	-		
74	OHX	D1	3582	-	0,6,6	-	-	-		
74	OHX	BO	301	-	0,6,6	-	-	-		
74	OHX	C1	1911	-	0,6,6	-	-	-		
74	OHX	C1	1990	-	0,6,6	-	-	-		
74	OHX	B1	3435	-	0,6,6	-	-	-		
74	OHX	B1	3485	-	0,6,6	-	-	-		
74	OHX	D1	3442	-	0,6,6	-	-	-		
74	OHX	C1	1944	-	0,6,6	-	-	-		
74	OHX	B1	3565	-	0,6,6	-	-	-		
74	OHX	D1	3435	-	0,6,6	-	-	-		
74	OHX	B1	3603	-	0,6,6	-	-	-		
74	OHX	B1	3574	-	0,6,6	-	-	-		
74	OHX	B1	3475	-	0,6,6	-	-	-		
74	OHX	A1	2002	-	0,6,6	-	-	-		
74	OHX	B1	3414	-	0,6,6	-	-	-		
74	OHX	C1	1972	-	0,6,6	-	-	-		
74	OHX	C1	1985	-	0,6,6	-	-	-		
74	OHX	D1	3610	-	0,6,6	-	-	-		
74	OHX	B1	3613	-	0,6,6	-	-	-		
74	OHX	B1	3600	-	0,6,6	-	-	-		
74	OHX	A1	1981	-	0,6,6	-	-	-		
74	OHX	D1	3573	-	0,6,6	-	-	-		
74	OHX	D1	3557	-	0,6,6	-	-	-		
74	OHX	B1	3445	-	0,6,6	-	-	-		
74	OHX	B1	3501	-	0,6,6	-	-	-		
74	OHX	B2	202	-	0,6,6	-	-	-		
74	OHX	B1	3496	-	0,6,6	-	-	-		
74	OHX	B1	3531	-	0,6,6	-	-	-		
74	OHX	D1	3602	-	0,6,6	-	-	-		
74	OHX	B1	3562	-	0,6,6	-	-	-		
74	OHX	D1	3476	-	0,6,6	-	-	-		
74	OHX	C1	1988	-	0,6,6	-	-	-		
74	OHX	B1	3569	-	0,6,6	-	-	-		
74	OHX	B1	3513	-	0,6,6	-	-	-		
74	OHX	B1	3572	-	0,6,6	-	-	-		
74	OHX	D1	3438	-	0,6,6	-	-	-		
74	OHX	D1	3486	-	0,6,6	-	-	-		
74	OHX	D1	3617	-	0,6,6	-	-	-		
74	OHX	Bg	101	-	0,6,6	-	-	-		
74	OHX	B1	3568	-	0,6,6	-	-	-		
74	OHX	B2	208	-	0,6,6	-	-	-		
74	OHX	A1	1932	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3600	-	0,6,6	-	-	-		
74	OHX	C1	1934	-	0,6,6	-	-	-		
74	OHX	D1	3448	-	0,6,6	-	-	-		
74	OHX	D1	3530	-	0,6,6	-	-	-		
74	OHX	B1	3551	-	0,6,6	-	-	-		
74	OHX	AT	401	-	0,6,6	-	-	-		
74	OHX	A1	1970	-	0,6,6	-	-	-		
74	OHX	B1	3588	-	0,6,6	-	-	-		
74	OHX	A1	1998	-	0,6,6	-	-	-		
74	OHX	B1	3482	-	0,6,6	-	-	-		
74	OHX	D1	3467	-	0,6,6	-	-	-		
74	OHX	D1	3566	-	0,6,6	-	-	-		
74	OHX	B1	3558	-	0,6,6	-	-	-		
74	OHX	C1	1913	-	0,6,6	-	-	-		
74	OHX	D1	3424	-	0,6,6	-	-	-		
74	OHX	D1	3589	-	0,6,6	-	-	-		
74	OHX	C1	1943	-	0,6,6	-	-	-		
74	OHX	D1	3537	-	0,6,6	-	-	-		
74	OHX	D1	3612	-	0,6,6	-	-	-		
74	OHX	D1	3594	-	0,6,6	-	-	-		
74	OHX	C1	1980	-	0,6,6	-	-	-		
74	OHX	C1	1982	-	0,6,6	-	-	-		
74	OHX	B1	3495	-	0,6,6	-	-	-		
74	OHX	D1	3531	-	0,6,6	-	-	-		
74	OHX	B1	3533	-	0,6,6	-	-	-		
74	OHX	D1	3508	-	0,6,6	-	-	-		
74	OHX	B1	3502	-	0,6,6	-	-	-		
74	OHX	D1	3571	-	0,6,6	-	-	-		
74	OHX	B1	3446	-	0,6,6	-	-	-		
74	OHX	D1	3444	-	0,6,6	-	-	-		
74	OHX	D1	3615	-	0,6,6	-	-	-		
74	OHX	D1	3608	-	0,6,6	-	-	-		
74	OHX	B1	3462	-	0,6,6	-	-	-		
74	OHX	D2	205	-	0,6,6	-	-	-		
74	OHX	B1	3564	-	0,6,6	-	-	-		
74	OHX	B1	3577	-	0,6,6	-	-	-		
74	OHX	A1	1994	-	0,6,6	-	-	-		
74	OHX	D1	3559	-	0,6,6	-	-	-		
74	OHX	B1	3554	-	0,6,6	-	-	-		
74	OHX	B1	3491	-	0,6,6	-	-	-		
74	OHX	C1	1997	-	0,6,6	-	-	-		
74	OHX	A1	1950	-	0,6,6	-	-	-		
74	OHX	D1	3459	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	A1	1997	-	0,6,6	-	-	-		
74	OHX	C1	1947	-	0,6,6	-	-	-		
74	OHX	D1	3432	-	0,6,6	-	-	-		
74	OHX	D1	3500	-	0,6,6	-	-	-		
74	OHX	D2	208	-	0,6,6	-	-	-		
74	OHX	A1	1940	-	0,6,6	-	-	-		
74	OHX	C1	1968	-	0,6,6	-	-	-		
74	OHX	DO	301	-	0,6,6	-	-	-		
74	OHX	D1	3536	-	0,6,6	-	-	-		
74	OHX	A1	1963	-	0,6,6	-	-	-		
74	OHX	B1	3616	-	0,6,6	-	-	-		
74	OHX	D1	3457	-	0,6,6	-	-	-		
74	OHX	A1	1901	-	0,6,6	-	-	-		
74	OHX	C1	1904	-	0,6,6	-	-	-		
74	OHX	B1	3511	-	0,6,6	-	-	-		
74	OHX	B1	3474	-	0,6,6	-	-	-		
74	OHX	A1	1937	-	0,6,6	-	-	-		
74	OHX	B1	3411	-	0,6,6	-	-	-		
74	OHX	D1	3434	-	0,6,6	-	-	-		
74	OHX	D1	3407	-	0,6,6	-	-	-		
74	OHX	D1	3532	-	0,6,6	-	-	-		
74	OHX	C1	1953	-	0,6,6	-	-	-		
74	OHX	A1	2000	-	0,6,6	-	-	-		
74	OHX	B1	3523	-	0,6,6	-	-	-		
74	OHX	A1	1947	-	0,6,6	-	-	-		
74	OHX	B1	3417	-	0,6,6	-	-	-		
74	OHX	C1	1948	-	0,6,6	-	-	-		
74	OHX	B1	3585	-	0,6,6	-	-	-		
74	OHX	C1	1963	-	0,6,6	-	-	-		
74	OHX	B1	3437	-	0,6,6	-	-	-		
74	OHX	C1	1928	-	0,6,6	-	-	-		
74	OHX	D1	3567	-	0,6,6	-	-	-		
74	OHX	D1	3604	-	0,6,6	-	-	-		
74	OHX	D1	3580	-	0,6,6	-	-	-		
74	OHX	A1	1952	-	0,6,6	-	-	-		
74	OHX	B3	212	-	0,6,6	-	-	-		
74	OHX	B1	3453	-	0,6,6	-	-	-		
74	OHX	Dd	101	-	0,6,6	-	-	-		
74	OHX	B2	207	-	0,6,6	-	-	-		
74	OHX	B1	3450	-	0,6,6	-	-	-		
74	OHX	D1	3579	-	0,6,6	-	-	-		
74	OHX	A1	1919	-	0,6,6	-	-	-		
74	OHX	C1	1959	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	C1	1978	-	0,6,6	-	-	-		
74	OHX	B1	3561	-	0,6,6	-	-	-		
74	OHX	B1	3460	-	0,6,6	-	-	-		
74	OHX	B1	3489	-	0,6,6	-	-	-		
74	OHX	D1	3433	-	0,6,6	-	-	-		
74	OHX	B1	3542	-	0,6,6	-	-	-		
74	OHX	D1	3528	-	0,6,6	-	-	-		
74	OHX	B1	3487	-	0,6,6	-	-	-		
74	OHX	B1	3412	-	0,6,6	-	-	-		
74	OHX	D1	3509	-	0,6,6	-	-	-		
74	OHX	D1	3524	-	0,6,6	-	-	-		
74	OHX	C1	1909	-	0,6,6	-	-	-		
74	OHX	A1	1935	-	0,6,6	-	-	-		
74	OHX	D1	3553	-	0,6,6	-	-	-		
74	OHX	B1	3472	-	0,6,6	-	-	-		
74	OHX	D1	3591	29	0,6,6	-	-	-		
74	OHX	A1	1996	-	0,6,6	-	-	-		
74	OHX	B1	3592	-	0,6,6	-	-	-		
74	OHX	C1	1954	-	0,6,6	-	-	-		
74	OHX	C1	1992	-	0,6,6	-	-	-		
74	OHX	B1	3452	-	0,6,6	-	-	-		
74	OHX	D1	3420	-	0,6,6	-	-	-		
74	OHX	D1	3430	-	0,6,6	-	-	-		
74	OHX	D2	202	-	0,6,6	-	-	-		
74	OHX	DC	401	-	0,6,6	-	-	-		
74	OHX	B1	3494	-	0,6,6	-	-	-		
74	OHX	B1	3614	-	0,6,6	-	-	-		
74	OHX	D1	3426	-	0,6,6	-	-	-		
74	OHX	D1	3581	-	0,6,6	-	-	-		
74	OHX	Dd	102	-	0,6,6	-	-	-		
74	OHX	C1	1975	-	0,6,6	-	-	-		
74	OHX	B2	203	-	0,6,6	-	-	-		
74	OHX	C1	1942	-	0,6,6	-	-	-		
74	OHX	DJ	301	-	0,6,6	-	-	-		
74	OHX	A1	1982	-	0,6,6	-	-	-		
74	OHX	D3	201	-	0,6,6	-	-	-		
74	OHX	B1	3498	-	0,6,6	-	-	-		
74	OHX	B1	3473	-	0,6,6	-	-	-		
74	OHX	D1	3439	-	0,6,6	-	-	-		
74	OHX	BT	201	-	0,6,6	-	-	-		
74	OHX	D1	3619	-	0,6,6	-	-	-		
74	OHX	D1	3429	-	0,6,6	-	-	-		
74	OHX	D1	3443	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3560	-	0,6,6	-	-	-		
74	OHX	D1	3461	-	0,6,6	-	-	-		
74	OHX	B1	3550	-	0,6,6	-	-	-		
74	OHX	A1	1957	-	0,6,6	-	-	-		
74	OHX	D1	3552	-	0,6,6	-	-	-		
74	OHX	C1	1973	-	0,6,6	-	-	-		
74	OHX	B1	3620	-	0,6,6	-	-	-		
74	OHX	D1	3534	-	0,6,6	-	-	-		
74	OHX	B1	3440	-	0,6,6	-	-	-		
74	OHX	D1	3410	-	0,6,6	-	-	-		
74	OHX	D1	3517	-	0,6,6	-	-	-		
74	OHX	D1	3544	-	0,6,6	-	-	-		
74	OHX	D2	204	-	0,6,6	-	-	-		
74	OHX	D3	207	-	0,6,6	-	-	-		
74	OHX	A1	1993	-	0,6,6	-	-	-		
74	OHX	D1	3405	-	0,6,6	-	-	-		
74	OHX	A1	1906	-	0,6,6	-	-	-		
74	OHX	A1	1973	-	0,6,6	-	-	-		
74	OHX	B1	3621	-	0,6,6	-	-	-		
74	OHX	A1	1976	-	0,6,6	-	-	-		
74	OHX	B1	3467	-	0,6,6	-	-	-		
74	OHX	D1	3599	-	0,6,6	-	-	-		
74	OHX	B2	204	-	0,6,6	-	-	-		
74	OHX	B1	3575	-	0,6,6	-	-	-		
74	OHX	D1	3451	-	0,6,6	-	-	-		
74	OHX	A1	1991	-	0,6,6	-	-	-		
74	OHX	B1	3543	-	0,6,6	-	-	-		
74	OHX	D1	3416	-	0,6,6	-	-	-		
74	OHX	B1	3481	-	0,6,6	-	-	-		
74	OHX	C1	1929	-	0,6,6	-	-	-		
74	OHX	D2	209	-	0,6,6	-	-	-		
74	OHX	A1	1969	-	0,6,6	-	-	-		
74	OHX	B1	3456	-	0,6,6	-	-	-		
74	OHX	D1	3478	-	0,6,6	-	-	-		
74	OHX	A1	1938	-	0,6,6	-	-	-		
74	OHX	D1	3595	-	0,6,6	-	-	-		
74	OHX	D3	205	-	0,6,6	-	-	-		
74	OHX	A1	1961	-	0,6,6	-	-	-		
74	OHX	B1	3557	-	0,6,6	-	-	-		
74	OHX	B1	3530	-	0,6,6	-	-	-		
74	OHX	D1	3562	-	0,6,6	-	-	-		
74	OHX	B1	3493	-	0,6,6	-	-	-		
74	OHX	A1	1979	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	C1	1969	-	0,6,6	-	-	-		
74	OHX	D1	3409	-	0,6,6	-	-	-		
74	OHX	D1	3555	-	0,6,6	-	-	-		
74	OHX	B1	3497	-	0,6,6	-	-	-		
74	OHX	B1	3609	-	0,6,6	-	-	-		
74	OHX	D1	3505	-	0,6,6	-	-	-		
74	OHX	D1	3586	-	0,6,6	-	-	-		
74	OHX	B1	3480	-	0,6,6	-	-	-		
74	OHX	B1	3479	-	0,6,6	-	-	-		
74	OHX	D1	3512	-	0,6,6	-	-	-		
74	OHX	D1	3518	-	0,6,6	-	-	-		
74	OHX	B1	3586	-	0,6,6	-	-	-		
74	OHX	B1	3611	-	0,6,6	-	-	-		
74	OHX	A1	1929	-	0,6,6	-	-	-		
74	OHX	B1	3519	-	0,6,6	-	-	-		
74	OHX	C1	1965	-	0,6,6	-	-	-		
74	OHX	D1	3598	-	0,6,6	-	-	-		
74	OHX	B1	3539	-	0,6,6	-	-	-		
74	OHX	C1	1958	-	0,6,6	-	-	-		
74	OHX	D1	3623	-	0,6,6	-	-	-		
74	OHX	B1	3516	-	0,6,6	-	-	-		
74	OHX	D1	3458	-	0,6,6	-	-	-		
74	OHX	C1	1920	-	0,6,6	-	-	-		
74	OHX	A1	1977	-	0,6,6	-	-	-		
74	OHX	B2	210	-	0,6,6	-	-	-		
74	OHX	D1	3570	-	0,6,6	-	-	-		
74	OHX	B1	3503	-	0,6,6	-	-	-		
74	OHX	D1	3506	-	0,6,6	-	-	-		
74	OHX	C1	1962	-	0,6,6	-	-	-		
74	OHX	A1	1918	-	0,6,6	-	-	-		
74	OHX	A1	1934	-	0,6,6	-	-	-		
74	OHX	D1	3565	-	0,6,6	-	-	-		
74	OHX	D1	3421	-	0,6,6	-	-	-		
74	OHX	B1	3408	-	0,6,6	-	-	-		
74	OHX	D1	3475	-	0,6,6	-	-	-		
74	OHX	A1	1924	-	0,6,6	-	-	-		
74	OHX	D1	3613	-	0,6,6	-	-	-		
74	OHX	B1	3510	-	0,6,6	-	-	-		
74	OHX	D1	3541	-	0,6,6	-	-	-		
74	OHX	B1	3514	-	0,6,6	-	-	-		
74	OHX	Ac	100	-	0,6,6	-	-	-		
74	OHX	B1	3422	-	0,6,6	-	-	-		
74	OHX	D1	3436	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3423	-	0,6,6	-	-	-		
74	OHX	D1	3611	-	0,6,6	-	-	-		
74	OHX	A1	1921	-	0,6,6	-	-	-		
74	OHX	D1	3504	-	0,6,6	-	-	-		
74	OHX	C1	1974	-	0,6,6	-	-	-		
74	OHX	D1	3545	-	0,6,6	-	-	-		
74	OHX	A1	1910	-	0,6,6	-	-	-		
74	OHX	D1	3474	-	0,6,6	-	-	-		
74	OHX	D1	3425	-	0,6,6	-	-	-		
74	OHX	A1	1960	-	0,6,6	-	-	-		
74	OHX	A1	1930	-	0,6,6	-	-	-		
74	OHX	C1	1955	-	0,6,6	-	-	-		
74	OHX	B1	3466	-	0,6,6	-	-	-		
74	OHX	C1	1983	1	0,6,6	-	-	-		
74	OHX	D1	3568	-	0,6,6	-	-	-		
74	OHX	A1	1989	-	0,6,6	-	-	-		
74	OHX	D1	3485	-	0,6,6	-	-	-		
74	OHX	D1	3622	-	0,6,6	-	-	-		
74	OHX	D1	3525	-	0,6,6	-	-	-		
74	OHX	D1	3603	-	0,6,6	-	-	-		
74	OHX	D1	3574	-	0,6,6	-	-	-		
74	OHX	D1	3588	-	0,6,6	-	-	-		
74	OHX	B1	3506	-	0,6,6	-	-	-		
74	OHX	D1	3482	-	0,6,6	-	-	-		
74	OHX	D1	3449	-	0,6,6	-	-	-		
74	OHX	B1	3576	-	0,6,6	-	-	-		
74	OHX	A1	1931	1	0,6,6	-	-	-		
74	OHX	B1	3601	-	0,6,6	-	-	-		
74	OHX	D1	3583	-	0,6,6	-	-	-		
74	OHX	B1	3464	-	0,6,6	-	-	-		
74	OHX	A1	1955	-	0,6,6	-	-	-		
74	OHX	B1	3515	-	0,6,6	-	-	-		
74	OHX	B1	3529	-	0,6,6	-	-	-		
74	OHX	D3	204	-	0,6,6	-	-	-		
74	OHX	D3	211	-	0,6,6	-	-	-		
74	OHX	D1	3502	-	0,6,6	-	-	-		
74	OHX	C1	1998	-	0,6,6	-	-	-		
74	OHX	A1	1914	-	0,6,6	-	-	-		
74	OHX	C1	1991	-	0,6,6	-	-	-		
74	OHX	B1	3499	-	0,6,6	-	-	-		
74	OHX	C1	1925	-	0,6,6	-	-	-		
74	OHX	A1	1903	-	0,6,6	-	-	-		
74	OHX	C1	1917	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3569	-	0,6,6	-	-	-		
74	OHX	B1	3619	-	0,6,6	-	-	-		
74	OHX	D1	3513	-	0,6,6	-	-	-		
74	OHX	B1	3553	-	0,6,6	-	-	-		
74	OHX	C1	1906	-	0,6,6	-	-	-		
74	OHX	B2	205	-	0,6,6	-	-	-		
74	OHX	D1	3492	-	0,6,6	-	-	-		
74	OHX	A1	1925	-	0,6,6	-	-	-		
74	OHX	A1	1972	-	0,6,6	-	-	-		
74	OHX	B1	3549	-	0,6,6	-	-	-		
74	OHX	A1	1905	-	0,6,6	-	-	-		
74	OHX	D1	3414	-	0,6,6	-	-	-		
74	OHX	B1	3490	-	0,6,6	-	-	-		
74	OHX	D1	3404	-	0,6,6	-	-	-		
74	OHX	D1	3465	-	0,6,6	-	-	-		
74	OHX	D1	3498	-	0,6,6	-	-	-		
74	OHX	D1	3551	-	0,6,6	-	-	-		
74	OHX	D1	3501	-	0,6,6	-	-	-		
74	OHX	D1	3463	-	0,6,6	-	-	-		
74	OHX	D1	3624	-	0,6,6	-	-	-		
74	OHX	B1	3441	-	0,6,6	-	-	-		
74	OHX	A1	1909	-	0,6,6	-	-	-		
74	OHX	D1	3587	-	0,6,6	-	-	-		
74	OHX	D1	3558	-	0,6,6	-	-	-		
74	OHX	D1	3470	-	0,6,6	-	-	-		
74	OHX	D1	3616	-	0,6,6	-	-	-		
74	OHX	B1	3483	-	0,6,6	-	-	-		
74	OHX	B1	3454	-	0,6,6	-	-	-		
74	OHX	B3	211	-	0,6,6	-	-	-		
74	OHX	C1	1916	-	0,6,6	-	-	-		
74	OHX	C1	1915	-	0,6,6	-	-	-		
74	OHX	AS	101	-	0,6,6	-	-	-		
74	OHX	B1	3556	-	0,6,6	-	-	-		
74	OHX	D1	3533	-	0,6,6	-	-	-		
74	OHX	B1	3507	-	0,6,6	-	-	-		
74	OHX	C1	1993	-	0,6,6	-	-	-		
74	OHX	D1	3521	-	0,6,6	-	-	-		
74	OHX	C1	1923	-	0,6,6	-	-	-		
74	OHX	D1	3446	-	0,6,6	-	-	-		
74	OHX	B1	3593	-	0,6,6	-	-	-		
74	OHX	D1	3445	-	0,6,6	-	-	-		
74	OHX	D1	3462	-	0,6,6	-	-	-		
74	OHX	D1	3564	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	A1	2001	-	0,6,6	-	-	-		
74	OHX	D1	3577	-	0,6,6	-	-	-		
74	OHX	D1	3412	-	0,6,6	-	-	-		
74	OHX	D3	208	-	0,6,6	-	-	-		
74	OHX	A1	1942	-	0,6,6	-	-	-		
74	OHX	DO	302	-	0,6,6	-	-	-		
74	OHX	D1	3554	-	0,6,6	-	-	-		
74	OHX	B1	3580	-	0,6,6	-	-	-		
74	OHX	C1	1918	-	0,6,6	-	-	-		
74	OHX	D1	3597	-	0,6,6	-	-	-		
74	OHX	D1	3625	-	0,6,6	-	-	-		
74	OHX	A1	1956	-	0,6,6	-	-	-		
74	OHX	B1	3535	-	0,6,6	-	-	-		
74	OHX	A1	1990	-	0,6,6	-	-	-		
74	OHX	A1	1928	-	0,6,6	-	-	-		
74	OHX	A1	1944	-	0,6,6	-	-	-		
74	OHX	D1	3402	-	0,6,6	-	-	-		
74	OHX	B1	3544	-	0,6,6	-	-	-		
74	OHX	B1	3563	-	0,6,6	-	-	-		
74	OHX	B1	3428	-	0,6,6	-	-	-		
74	OHX	B3	209	-	0,6,6	-	-	-		
74	OHX	C1	1984	-	0,6,6	-	-	-		
74	OHX	D1	3472	-	0,6,6	-	-	-		
74	OHX	A1	1907	-	0,6,6	-	-	-		
74	OHX	D1	3511	-	0,6,6	-	-	-		
74	OHX	B1	3538	-	0,6,6	-	-	-		
74	OHX	A1	1902	-	0,6,6	-	-	-		
74	OHX	D1	3411	-	0,6,6	-	-	-		
74	OHX	B1	3455	-	0,6,6	-	-	-		
74	OHX	C1	1939	-	0,6,6	-	-	-		
74	OHX	A1	1967	-	0,6,6	-	-	-		
74	OHX	B1	3413	-	0,6,6	-	-	-		
74	OHX	C1	1930	1	0,6,6	-	-	-		
74	OHX	C1	1971	-	0,6,6	-	-	-		
74	OHX	B1	3610	-	0,6,6	-	-	-		
74	OHX	D1	3523	-	0,6,6	-	-	-		
74	OHX	D1	3494	-	0,6,6	-	-	-		
74	OHX	D1	3614	-	0,6,6	-	-	-		
74	OHX	A1	1941	-	0,6,6	-	-	-		
74	OHX	C1	1932	-	0,6,6	-	-	-		
74	OHX	D1	3417	-	0,6,6	-	-	-		
74	OHX	B1	3512	-	0,6,6	-	-	-		
74	OHX	B1	3401	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3515	-	0,6,6	-	-	-		
74	OHX	C1	1908	-	0,6,6	-	-	-		
74	OHX	D1	3584	-	0,6,6	-	-	-		
74	OHX	D1	3590	-	0,6,6	-	-	-		
74	OHX	B1	3418	-	0,6,6	-	-	-		
74	OHX	A1	1945	-	0,6,6	-	-	-		
74	OHX	B1	3596	-	0,6,6	-	-	-		
74	OHX	C1	1902	-	0,6,6	-	-	-		
74	OHX	D1	3450	-	0,6,6	-	-	-		
74	OHX	C1	1941	-	0,6,6	-	-	-		
74	OHX	B1	3451	-	0,6,6	-	-	-		
74	OHX	D1	3516	-	0,6,6	-	-	-		
74	OHX	D1	3527	-	0,6,6	-	-	-		
74	OHX	C1	1987	-	0,6,6	-	-	-		
74	OHX	D1	3460	-	0,6,6	-	-	-		
74	OHX	D1	3489	-	0,6,6	-	-	-		
74	OHX	A1	1968	-	0,6,6	-	-	-		
74	OHX	D1	3542	-	0,6,6	-	-	-		
74	OHX	B1	3522	-	0,6,6	-	-	-		
74	OHX	B1	3546	-	0,6,6	-	-	-		
74	OHX	D1	3487	-	0,6,6	-	-	-		
74	OHX	C1	1967	-	0,6,6	-	-	-		
74	OHX	D1	3592	-	0,6,6	-	-	-		
74	OHX	B1	3526	-	0,6,6	-	-	-		
74	OHX	B1	3431	-	0,6,6	-	-	-		
74	OHX	B1	3605	-	0,6,6	-	-	-		
74	OHX	B1	3540	-	0,6,6	-	-	-		
74	OHX	C1	1966	-	0,6,6	-	-	-		
74	OHX	A1	1980	-	0,6,6	-	-	-		
74	OHX	D1	3548	-	0,6,6	-	-	-		
74	OHX	C1	1927	-	0,6,6	-	-	-		
74	OHX	B1	3419	-	0,6,6	-	-	-		
74	OHX	B1	3547	-	0,6,6	-	-	-		
74	OHX	A1	1948	-	0,6,6	-	-	-		
74	OHX	B1	3591	-	0,6,6	-	-	-		
74	OHX	D2	206	-	0,6,6	-	-	-		
74	OHX	C1	1933	-	0,6,6	-	-	-		
74	OHX	B1	3582	-	0,6,6	-	-	-		
74	OHX	D1	3520	-	0,6,6	-	-	-		
74	OHX	B1	3416	-	0,6,6	-	-	-		
74	OHX	D1	3440	-	0,6,6	-	-	-		
74	OHX	CI	201	-	0,6,6	-	-	-		
74	OHX	D1	3456	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3452	-	0,6,6	-	-	-		
74	OHX	D1	3471	-	0,6,6	-	-	-		
74	OHX	C1	1938	-	0,6,6	-	-	-		
74	OHX	C1	1970	-	0,6,6	-	-	-		
74	OHX	D1	3561	-	0,6,6	-	-	-		
74	OHX	B1	3457	-	0,6,6	-	-	-		
74	OHX	D1	3488	-	0,6,6	-	-	-		
74	OHX	B2	206	-	0,6,6	-	-	-		
74	OHX	A1	1922	-	0,6,6	-	-	-		
74	OHX	A1	1949	-	0,6,6	-	-	-		
74	OHX	C1	1964	-	0,6,6	-	-	-		
74	OHX	A1	1995	-	0,6,6	-	-	-		
74	OHX	D1	3550	-	0,6,6	-	-	-		
74	OHX	B1	3468	-	0,6,6	-	-	-		
74	OHX	D3	212	31	0,6,6	-	-	-		
74	OHX	B1	3476	-	0,6,6	-	-	-		
74	OHX	B1	3584	-	0,6,6	-	-	-		
74	OHX	B3	204	-	0,6,6	-	-	-		
74	OHX	D1	3620	-	0,6,6	-	-	-		
74	OHX	B1	3612	-	0,6,6	-	-	-		
74	OHX	D1	3453	-	0,6,6	-	-	-		
74	OHX	A1	1933	-	0,6,6	-	-	-		
74	OHX	C1	2000	-	0,6,6	-	-	-		
74	OHX	C1	1922	-	0,6,6	-	-	-		
74	OHX	D1	3609	-	0,6,6	-	-	-		
74	OHX	D1	3427	-	0,6,6	-	-	-		
74	OHX	B3	210	-	0,6,6	-	-	-		
74	OHX	A1	1917	-	0,6,6	-	-	-		
74	OHX	B1	3607	-	0,6,6	-	-	-		
74	OHX	D1	3479	-	0,6,6	-	-	-		
74	OHX	B1	3552	-	0,6,6	-	-	-		
74	OHX	A1	1908	-	0,6,6	-	-	-		
74	OHX	B1	3438	-	0,6,6	-	-	-		
74	OHX	C1	1912	-	0,6,6	-	-	-		
74	OHX	B1	3617	-	0,6,6	-	-	-		
74	OHX	D1	3621	-	0,6,6	-	-	-		
74	OHX	B1	3566	-	0,6,6	-	-	-		
74	OHX	D1	3406	-	0,6,6	-	-	-		
74	OHX	D3	203	-	0,6,6	-	-	-		
74	OHX	D1	3543	38	0,6,6	-	-	-		
74	OHX	CS	102	-	0,6,6	-	-	-		
74	OHX	B1	3442	-	0,6,6	-	-	-		
74	OHX	C1	1919	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D3	206	-	0,6,6	-	-	-		
74	OHX	D1	3539	-	0,6,6	-	-	-		
74	OHX	D1	3481	-	0,6,6	-	-	-		
74	OHX	B1	3492	-	0,6,6	-	-	-		
74	OHX	D1	3606	-	0,6,6	-	-	-		

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

220 monomers are involved in 719 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
74	B3	205	OHX	2	0
74	D1	3464	OHX	2	0
74	A1	1978	OHX	1	0
74	C1	1905	OHX	1	0
74	A1	1975	OHX	4	0
74	D1	3480	OHX	4	0
74	D1	3408	OHX	8	0
74	C1	1924	OHX	8	0
74	C1	2001	OHX	2	0
74	D1	3415	OHX	13	0
74	B1	3536	OHX	9	0
74	D1	3473	OHX	5	0
74	D1	3413	OHX	3	0
74	D1	3495	OHX	2	0
74	B1	3434	OHX	2	0
74	B1	3587	OHX	7	0
74	B1	3449	OHX	7	0
74	D2	201	OHX	8	0
74	B1	3559	OHX	1	0
74	D1	3514	OHX	3	0
74	D1	3431	OHX	7	0
74	A1	1923	OHX	2	0
74	A1	1943	OHX	5	0
74	A1	1916	OHX	5	0
74	B1	3433	OHX	1	0
74	D1	3447	OHX	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
74	D3	202	OHX	7	0
74	A1	1986	OHX	6	0
74	C1	1951	OHX	2	0
74	Dg	101	OHX	11	0
74	B1	3415	OHX	2	0
74	A1	1915	OHX	5	0
74	B1	3478	OHX	1	0
74	D1	3578	OHX	1	0
74	CS	101	OHX	16	0
74	D1	3576	OHX	2	0
74	C1	1994	OHX	1	0
74	D1	3454	OHX	1	0
74	Bd	101	OHX	10	0
74	B1	3429	OHX	2	0
74	A1	1913	OHX	6	0
74	B1	3420	OHX	2	0
74	C1	1907	OHX	1	0
74	B1	3527	OHX	1	0
74	A1	1939	OHX	1	0
74	B3	206	OHX	8	0
74	C1	1901	OHX	3	0
74	C1	1995	OHX	3	0
74	D1	3455	OHX	1	0
74	B1	3599	OHX	4	0
74	D2	207	OHX	6	0
74	B2	209	OHX	3	0
74	D1	3547	OHX	1	0
74	B1	3595	OHX	1	0
74	C1	1952	OHX	1	0
74	B1	3404	OHX	2	0
74	B1	3471	OHX	1	0
74	D1	3556	OHX	3	0
74	A1	1958	OHX	3	0
74	B1	3505	OHX	4	0
74	B1	3405	OHX	2	0
74	B1	3567	OHX	7	0
74	B2	201	OHX	7	0
74	C1	1914	OHX	1	0
74	C1	1903	OHX	2	0
74	C1	1910	OHX	1	0
74	B1	3581	OHX	7	0
74	B3	202	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
74	B1	3469	OHX	2	0
74	D1	3585	OHX	2	0
74	A1	1936	OHX	3	0
74	A1	1959	OHX	3	0
74	BC	401	OHX	1	0
74	B1	3537	OHX	8	0
74	D1	3526	OHX	1	0
74	C1	1999	OHX	3	0
74	D1	3419	OHX	1	0
74	C1	1961	OHX	2	0
74	B1	3447	OHX	1	0
74	D1	3428	OHX	2	0
74	B1	3406	OHX	2	0
74	D3	209	OHX	1	0
74	D1	3582	OHX	10	0
74	B1	3485	OHX	1	0
74	C1	1944	OHX	1	0
74	B1	3574	OHX	1	0
74	C1	1985	OHX	1	0
74	D1	3557	OHX	3	0
74	B1	3496	OHX	3	0
74	B1	3513	OHX	3	0
74	Bg	101	OHX	10	0
74	B1	3568	OHX	2	0
74	A1	1932	OHX	2	0
74	D1	3448	OHX	2	0
74	D1	3530	OHX	2	0
74	AT	401	OHX	1	0
74	A1	1970	OHX	1	0
74	B1	3558	OHX	6	0
74	D1	3589	OHX	1	0
74	D1	3537	OHX	3	0
74	D1	3608	OHX	1	0
74	D2	205	OHX	1	0
74	D1	3559	OHX	3	0
74	C1	1997	OHX	1	0
74	A1	1950	OHX	2	0
74	DO	301	OHX	6	0
74	A1	1901	OHX	6	0
74	A1	1937	OHX	2	0
74	D1	3434	OHX	1	0
74	D1	3407	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
74	C1	1953	OHX	3	0
74	B1	3523	OHX	1	0
74	B1	3417	OHX	3	0
74	C1	1928	OHX	5	0
74	D1	3567	OHX	5	0
74	A1	1952	OHX	2	0
74	B3	212	OHX	2	0
74	Dd	101	OHX	11	0
74	B1	3450	OHX	17	0
74	B1	3561	OHX	1	0
74	B1	3460	OHX	1	0
74	B1	3489	OHX	3	0
74	D1	3524	OHX	2	0
74	A1	1935	OHX	2	0
74	D1	3591	OHX	3	0
74	B1	3592	OHX	1	0
74	D1	3430	OHX	4	0
74	D3	201	OHX	3	0
74	BT	201	OHX	2	0
74	D1	3619	OHX	1	0
74	B1	3620	OHX	4	0
74	B1	3440	OHX	1	0
74	D2	204	OHX	1	0
74	A1	1976	OHX	5	0
74	D1	3599	OHX	3	0
74	B2	204	OHX	2	0
74	D1	3416	OHX	1	0
74	B1	3481	OHX	1	0
74	C1	1929	OHX	1	0
74	A1	1969	OHX	2	0
74	B1	3456	OHX	2	0
74	D3	205	OHX	4	0
74	B1	3479	OHX	10	0
74	A1	1929	OHX	1	0
74	D1	3598	OHX	1	0
74	B1	3539	OHX	2	0
74	D1	3570	OHX	1	0
74	B1	3503	OHX	1	0
74	A1	1910	OHX	5	0
74	C1	1955	OHX	5	0
74	C1	1983	OHX	4	0
74	D1	3568	OHX	4	0

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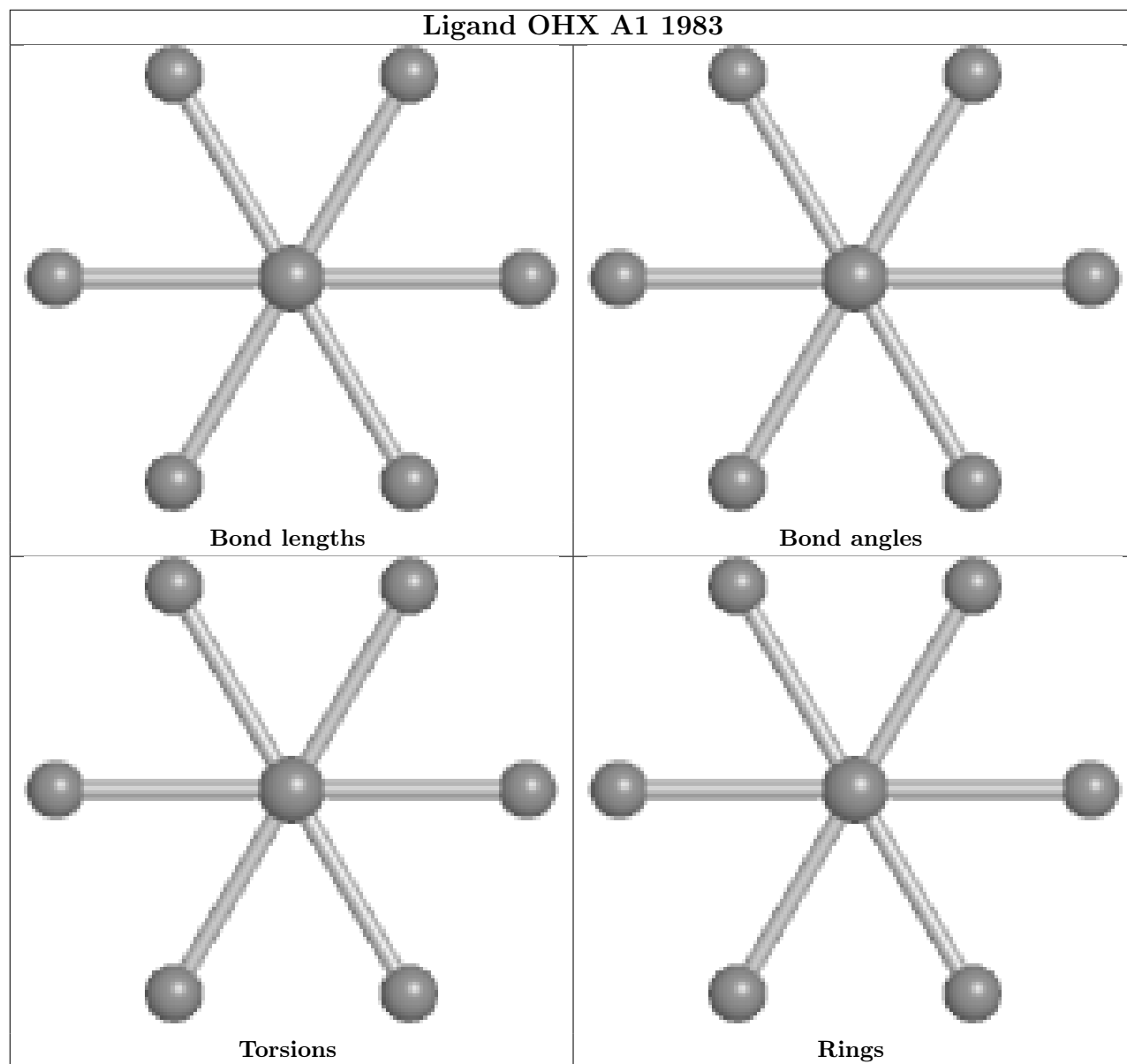
Mol	Chain	Res	Type	Clashes	Symm-Clashes
74	A1	1989	OHX	2	0
74	D1	3574	OHX	7	0
74	D1	3588	OHX	5	0
74	B1	3506	OHX	1	0
74	A1	1931	OHX	7	0
74	D1	3583	OHX	6	0
74	B1	3464	OHX	1	0
74	B1	3529	OHX	4	0
74	D3	204	OHX	1	0
74	D1	3502	OHX	5	0
74	C1	1991	OHX	1	0
74	A1	1903	OHX	1	0
74	C1	1917	OHX	6	0
74	B1	3553	OHX	1	0
74	D1	3492	OHX	3	0
74	A1	1972	OHX	1	0
74	A1	1905	OHX	1	0
74	B1	3490	OHX	1	0
74	D1	3465	OHX	1	0
74	D1	3551	OHX	1	0
74	D1	3463	OHX	6	0
74	A1	1909	OHX	3	0
74	D1	3470	OHX	2	0
74	B1	3483	OHX	3	0
74	B3	211	OHX	1	0
74	C1	1916	OHX	4	0
74	C1	1915	OHX	1	0
74	AS	101	OHX	18	0
74	C1	1993	OHX	3	0
74	D1	3446	OHX	1	0
74	B1	3593	OHX	1	0
74	D1	3462	OHX	1	0
74	D1	3577	OHX	1	0
74	C1	1918	OHX	2	0
74	D1	3597	OHX	3	0
74	D1	3625	OHX	3	0
74	A1	1990	OHX	3	0
74	D1	3402	OHX	3	0
74	B1	3544	OHX	1	0
74	B1	3563	OHX	5	0
74	B1	3428	OHX	8	0
74	A1	1902	OHX	1	0

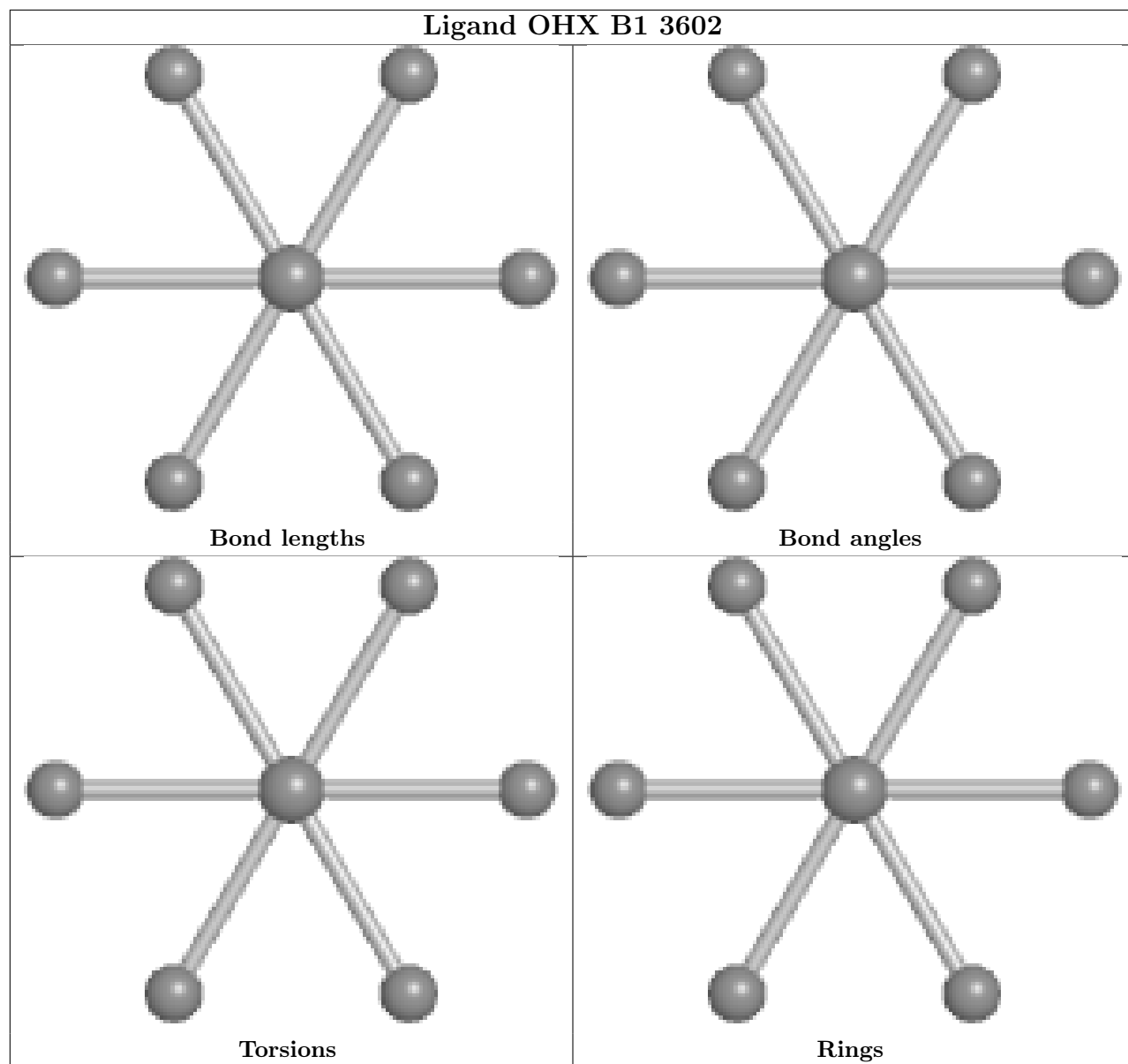
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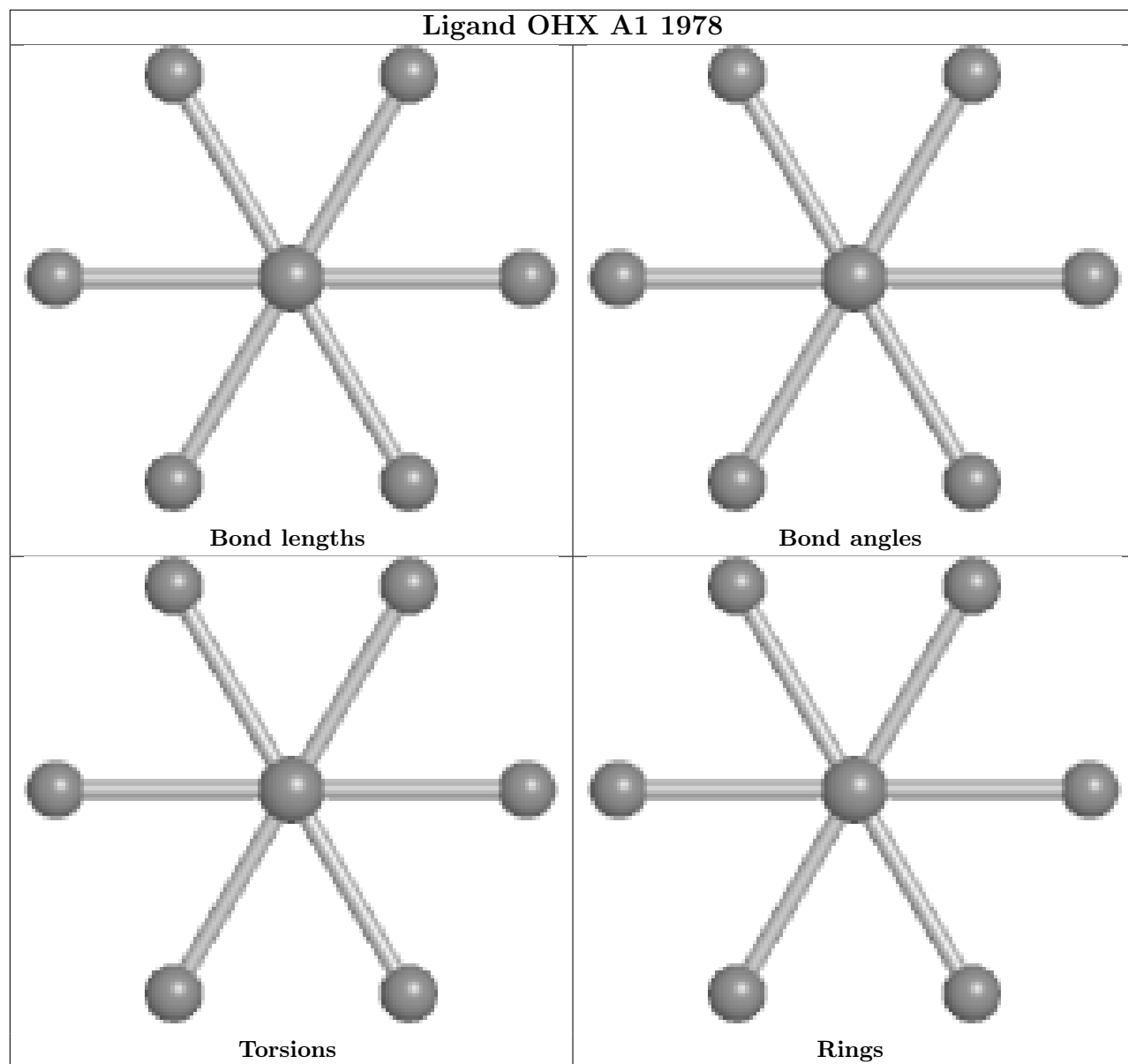
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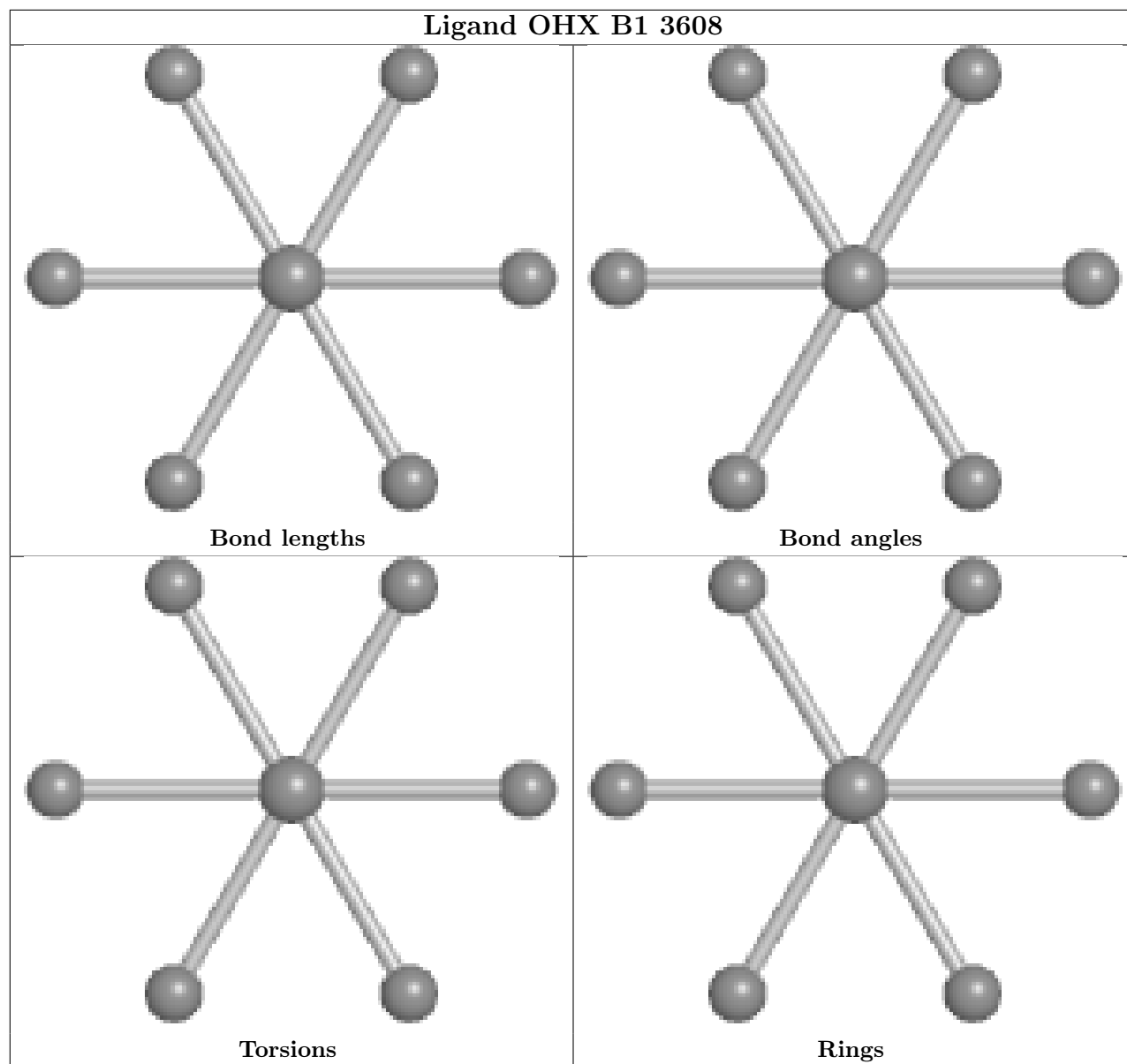
Mol	Chain	Res	Type	Clashes	Symm-Clashes
74	C1	1939	OHX	1	0
74	B1	3413	OHX	1	0
74	C1	1930	OHX	10	0
74	D1	3523	OHX	3	0
74	A1	1941	OHX	1	0
74	C1	1908	OHX	2	0
74	C1	1902	OHX	1	0
74	D1	3489	OHX	2	0
74	B1	3540	OHX	1	0
74	C1	1927	OHX	3	0
74	C1	1933	OHX	7	0
74	D1	3456	OHX	1	0
74	D1	3452	OHX	12	0
74	C1	1970	OHX	6	0
74	A1	1949	OHX	4	0
74	C1	1964	OHX	6	0
74	D3	212	OHX	12	0
74	A1	1917	OHX	4	0
74	A1	1908	OHX	1	0
74	B1	3438	OHX	12	0
74	C1	1912	OHX	1	0
74	D1	3406	OHX	1	0
74	D1	3543	OHX	7	0
74	B1	3442	OHX	1	0
74	D1	3539	OHX	1	0
74	B1	3492	OHX	10	0

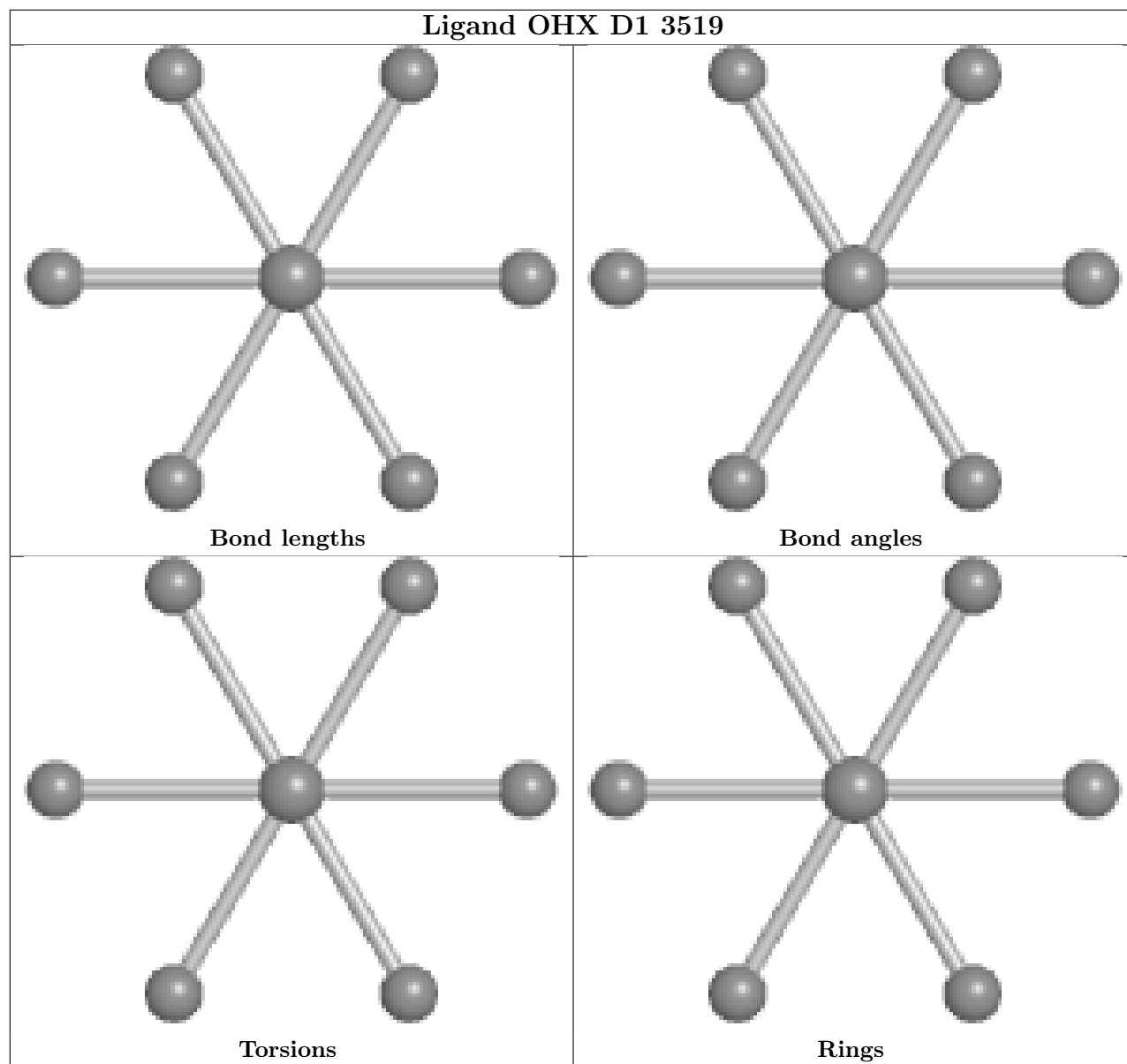
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. 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.

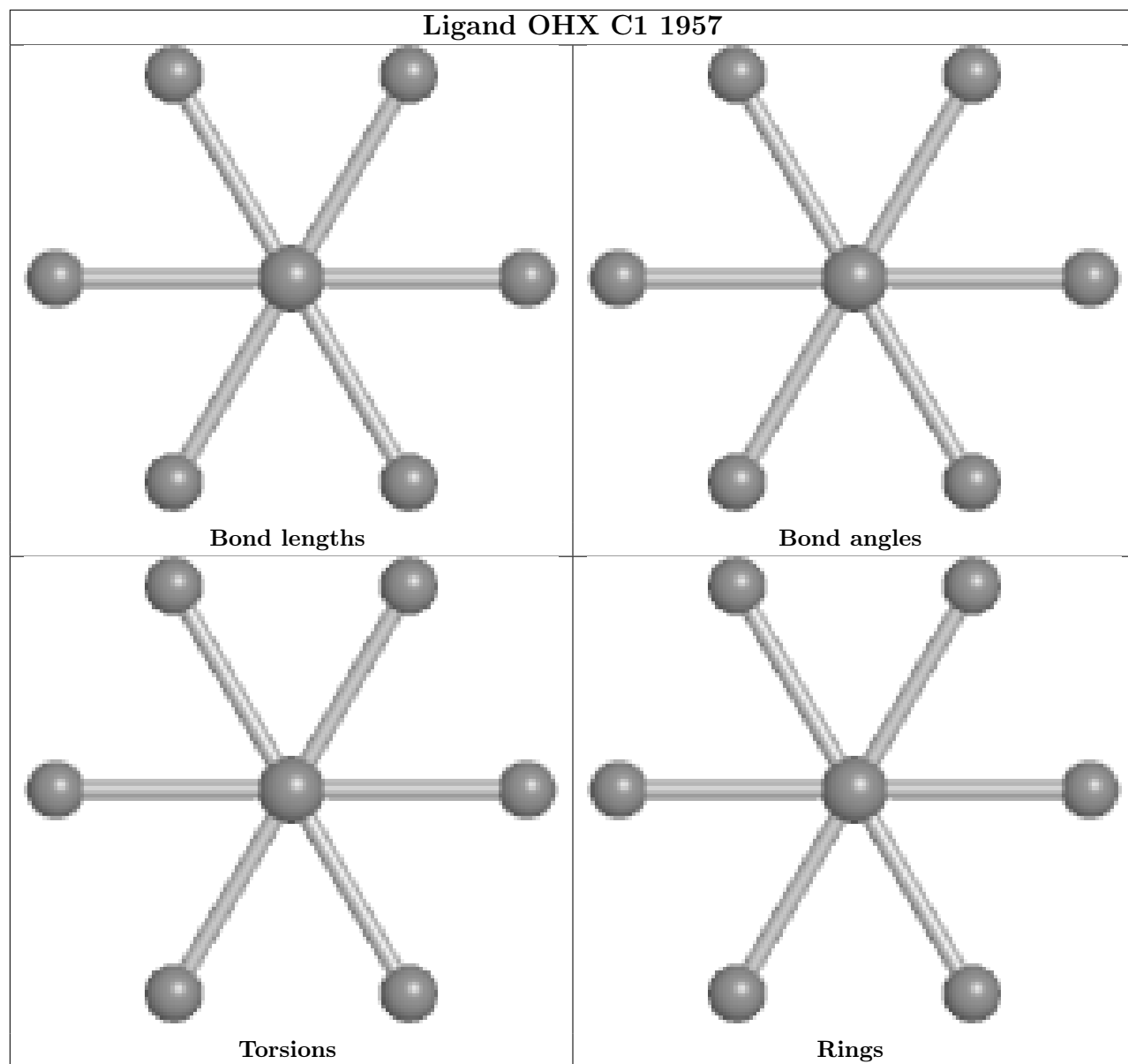


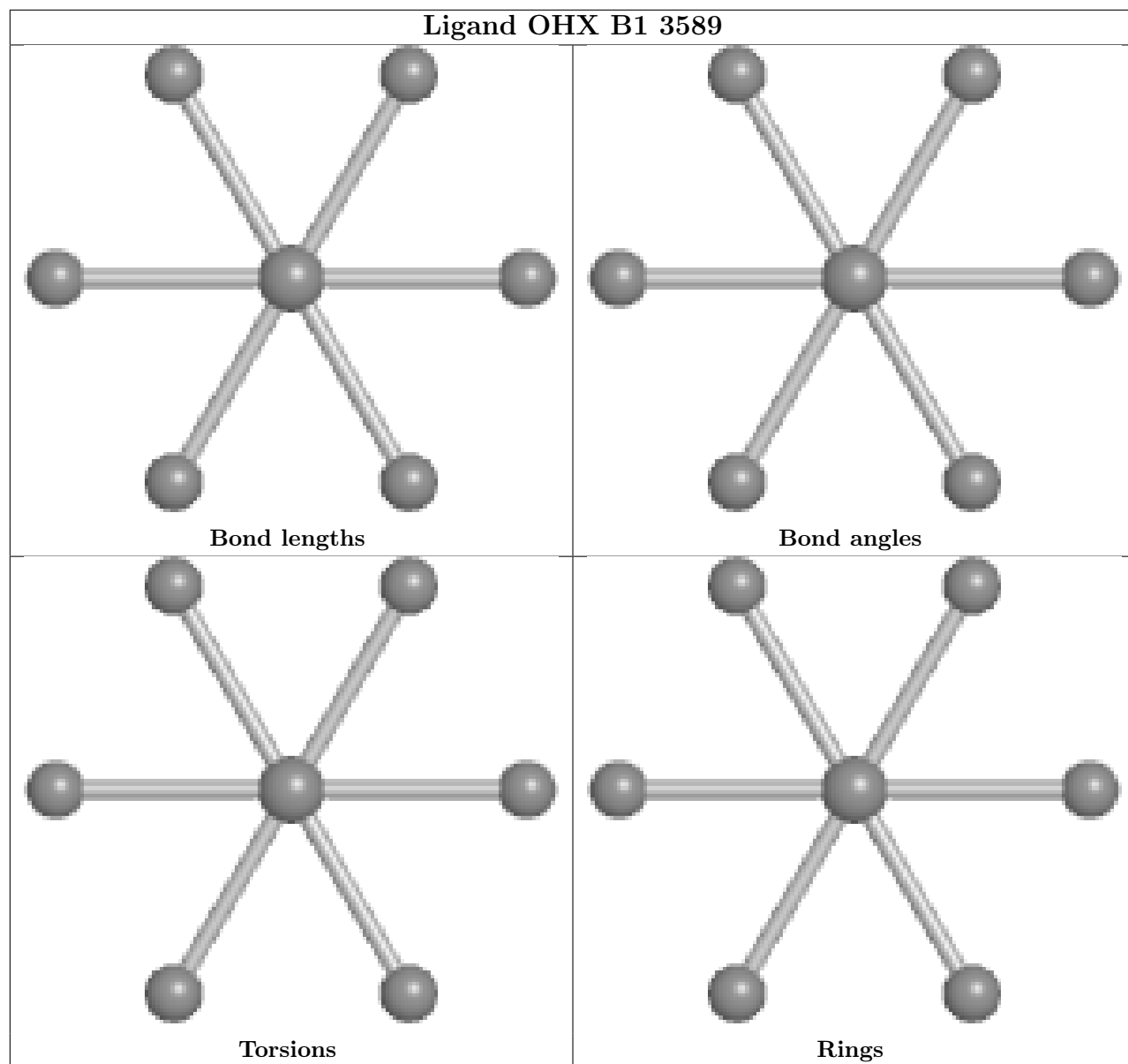


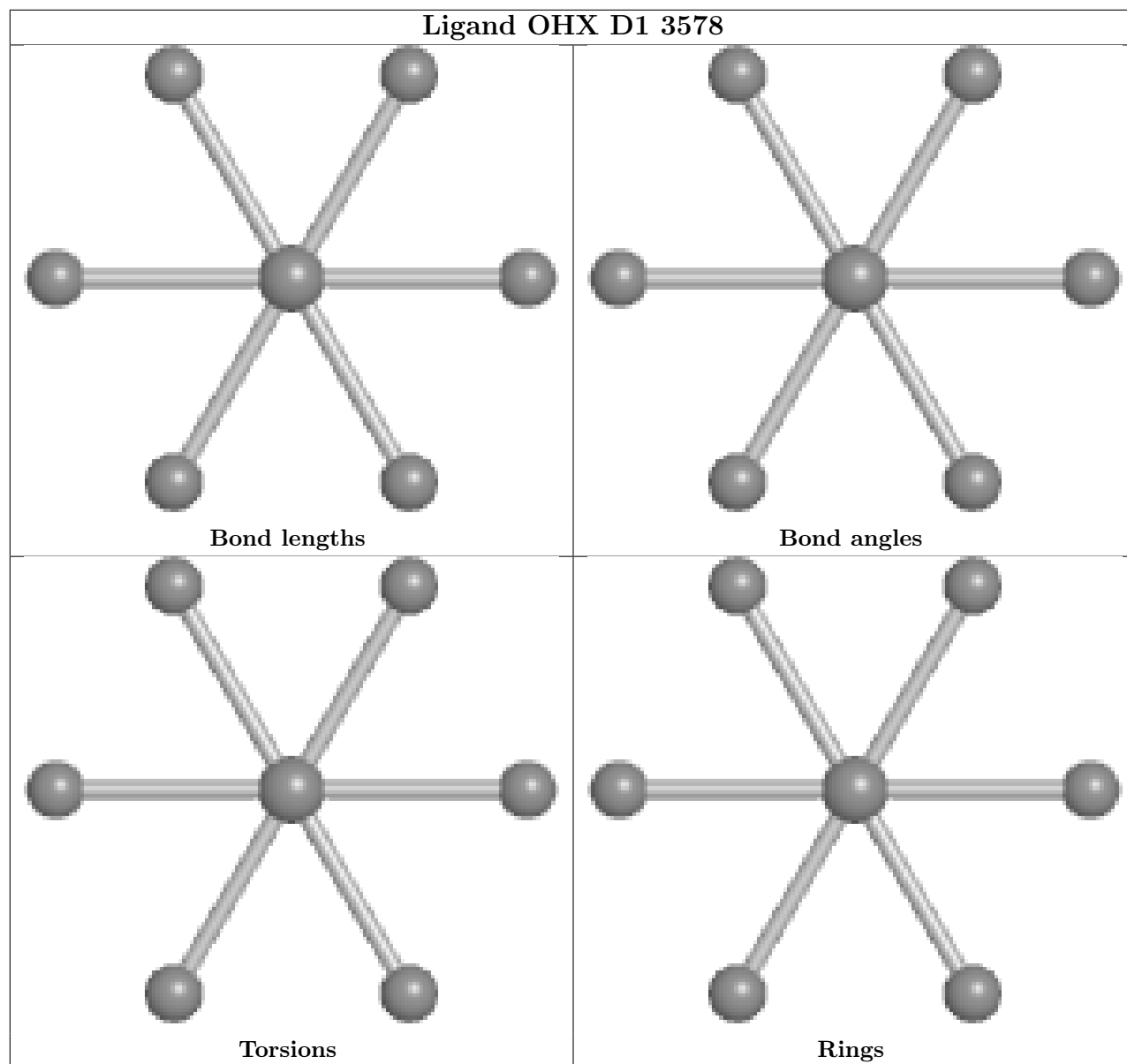


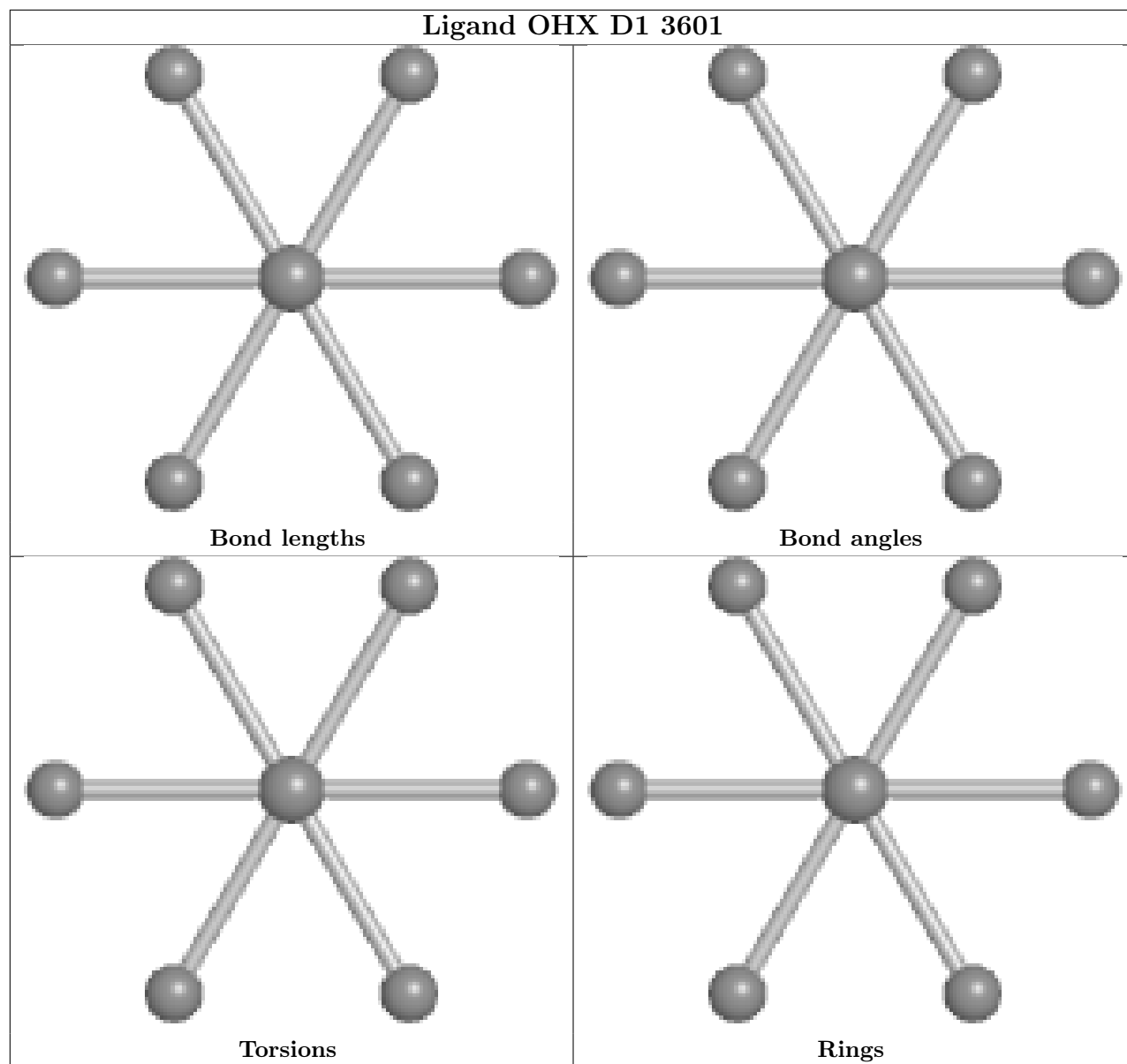


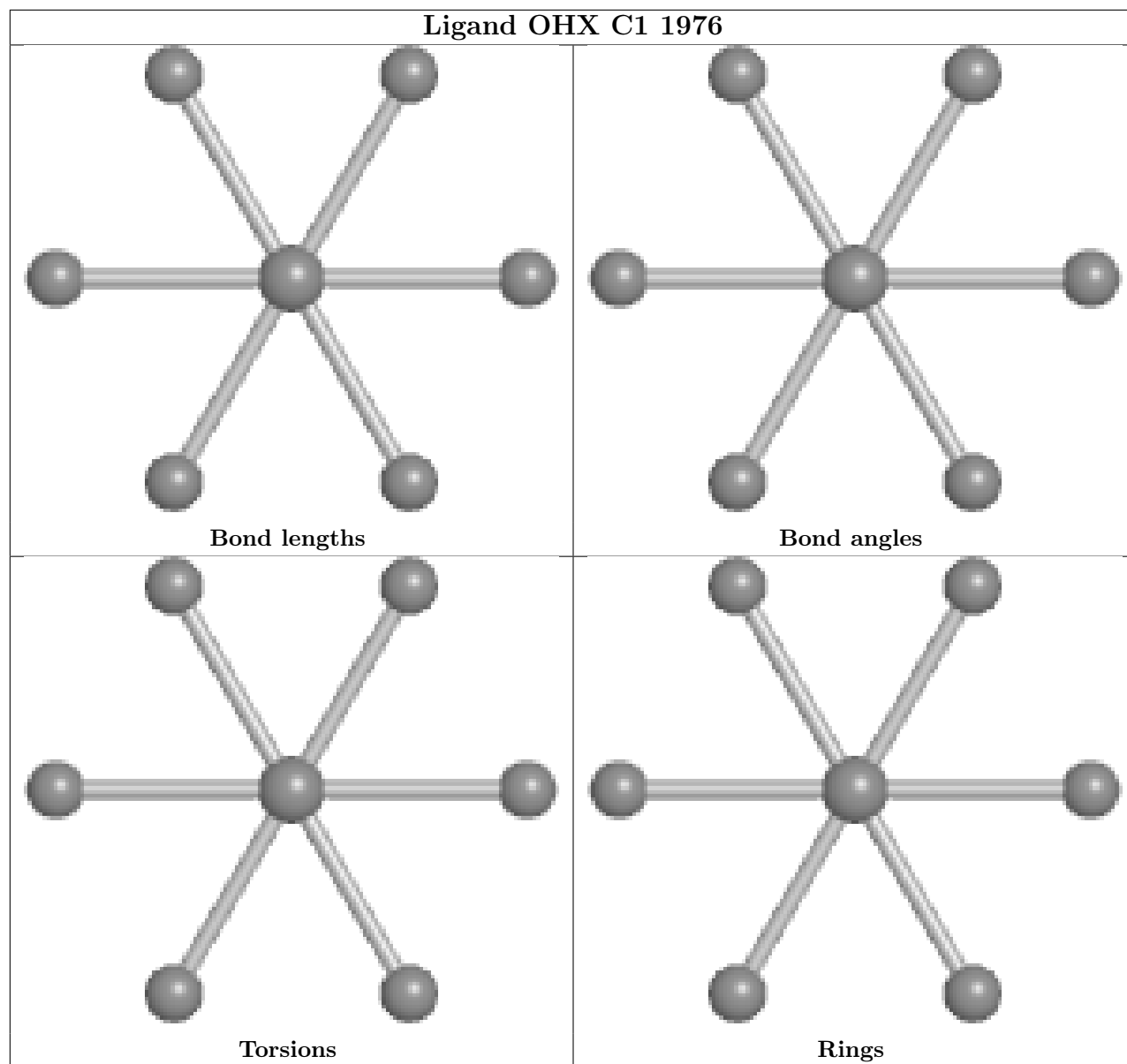


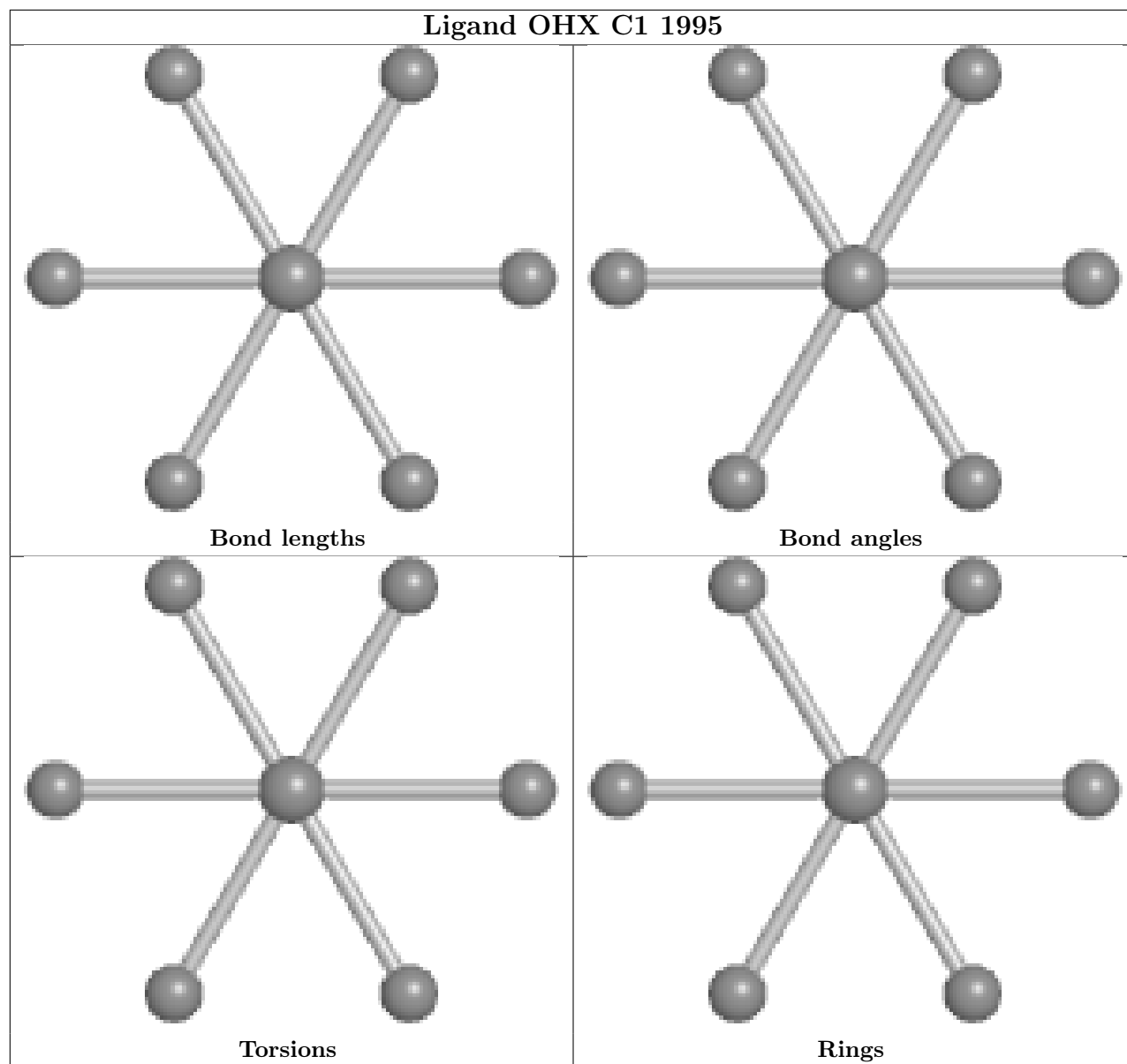


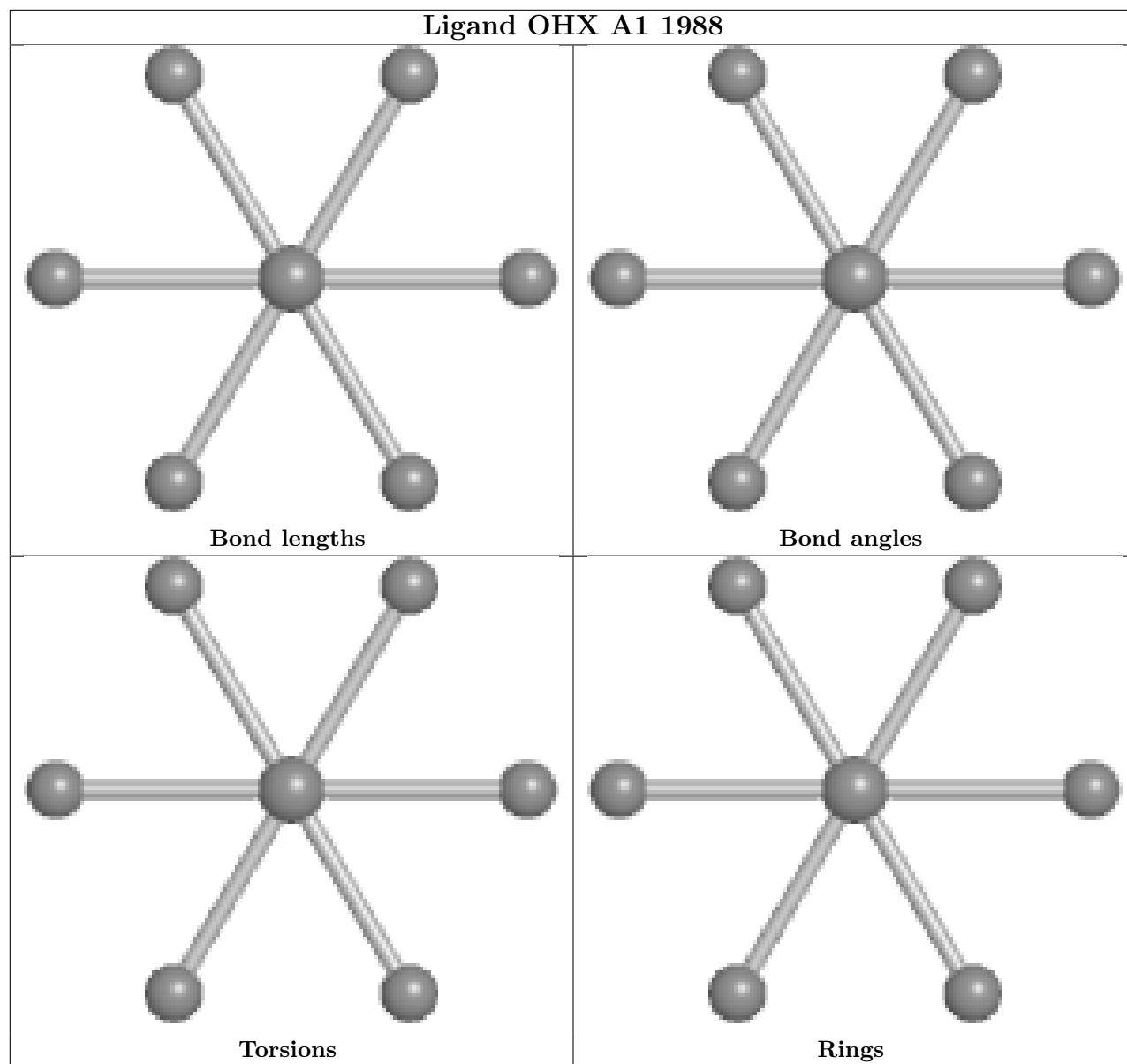


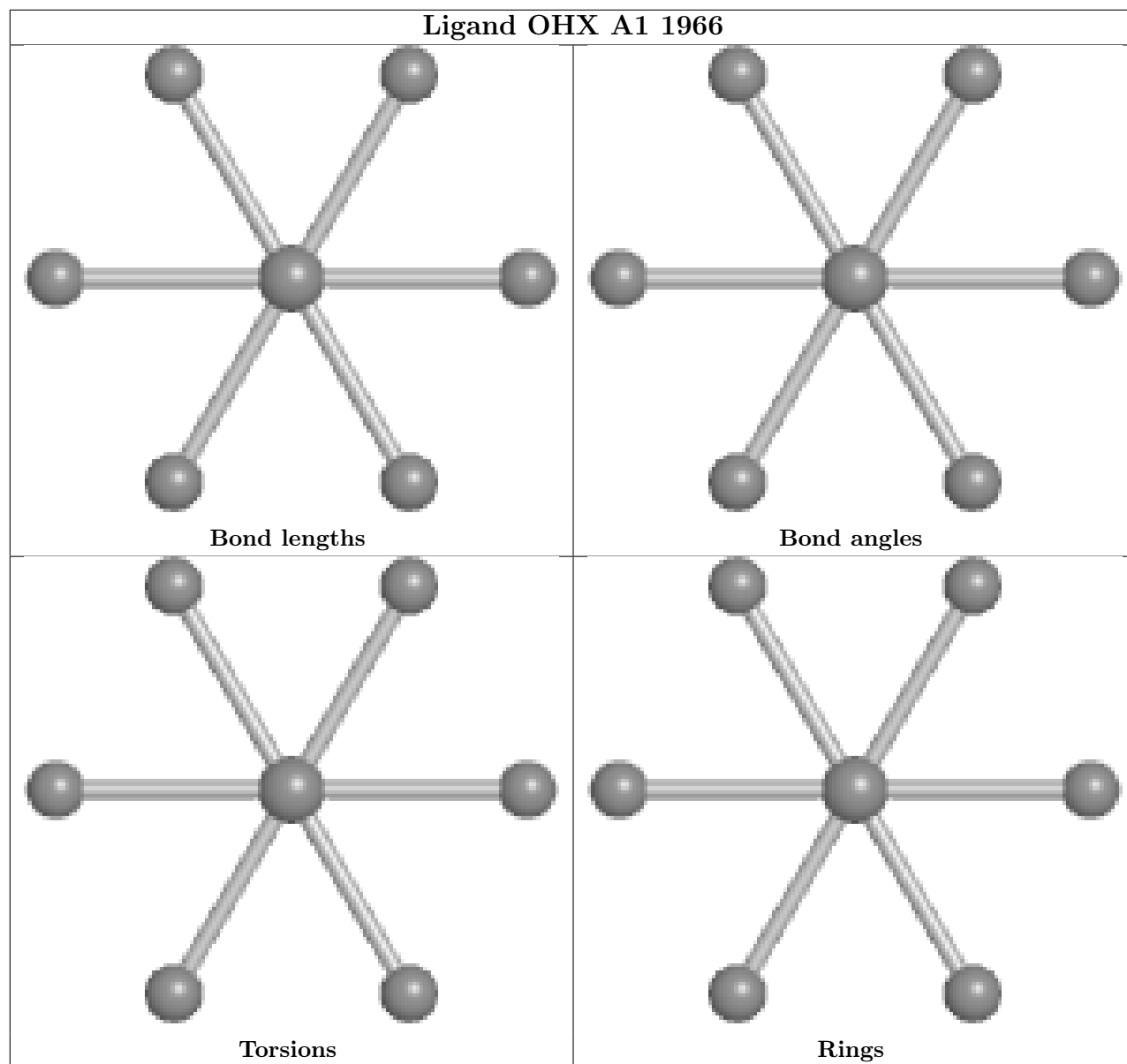


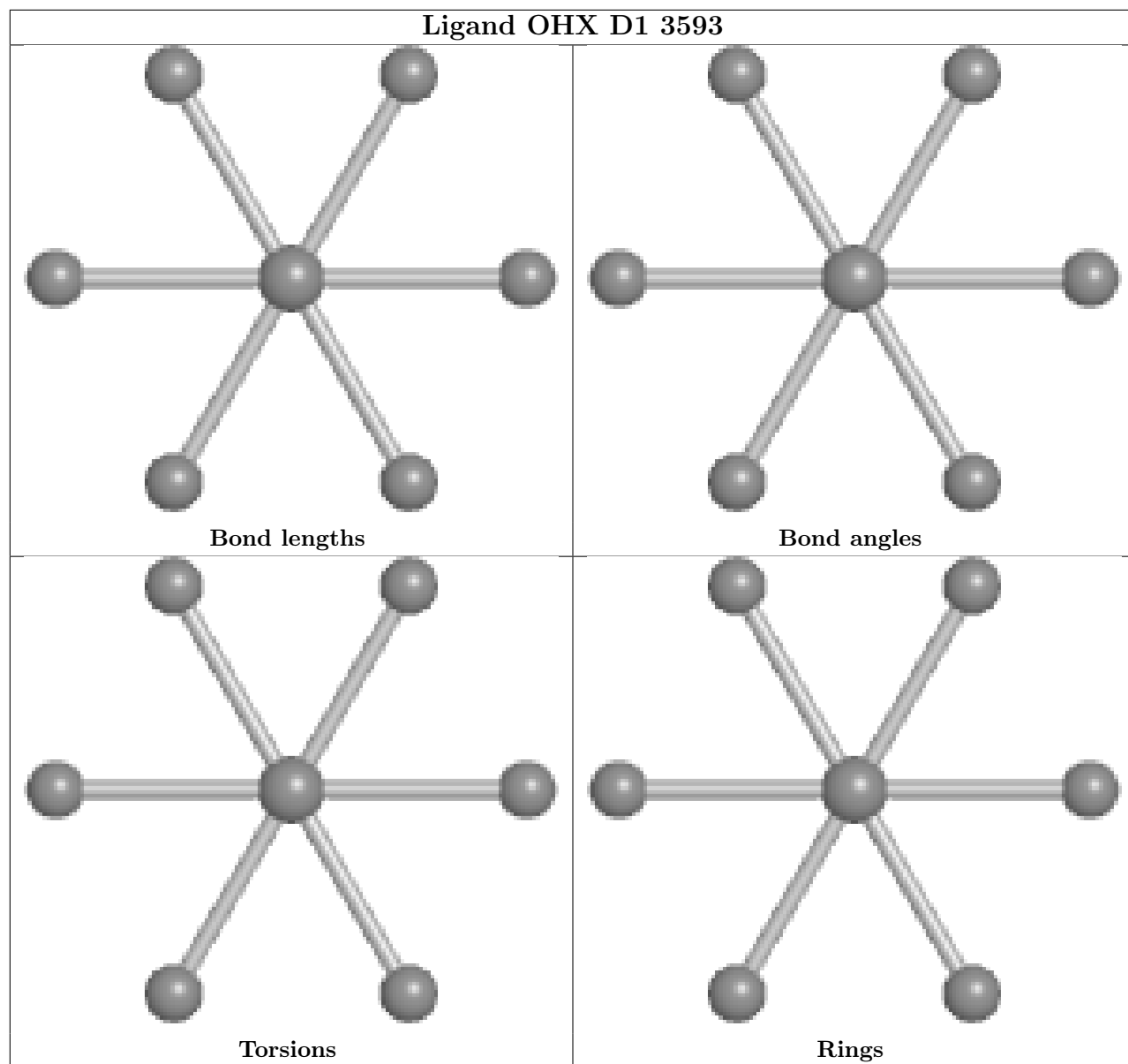


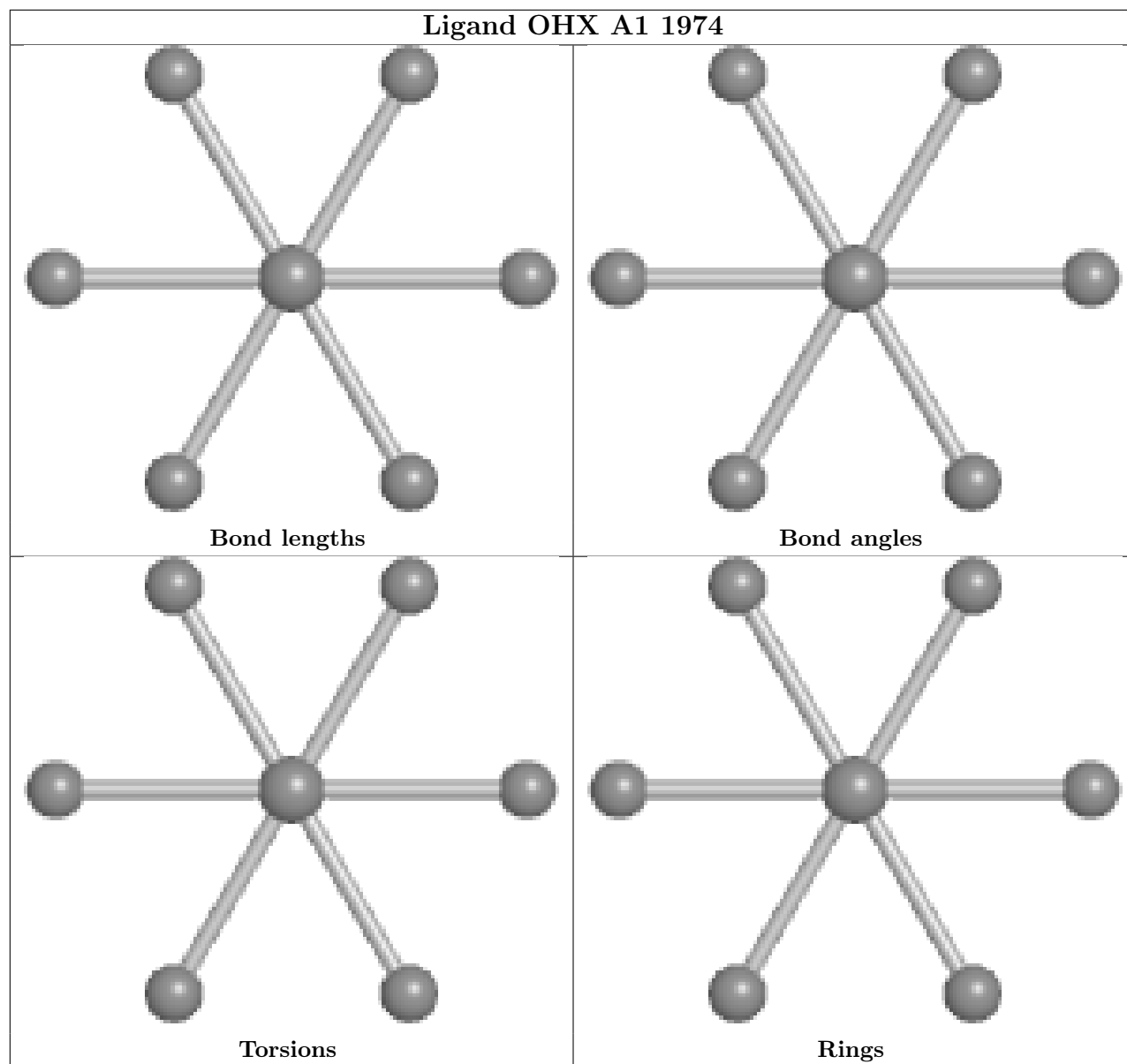


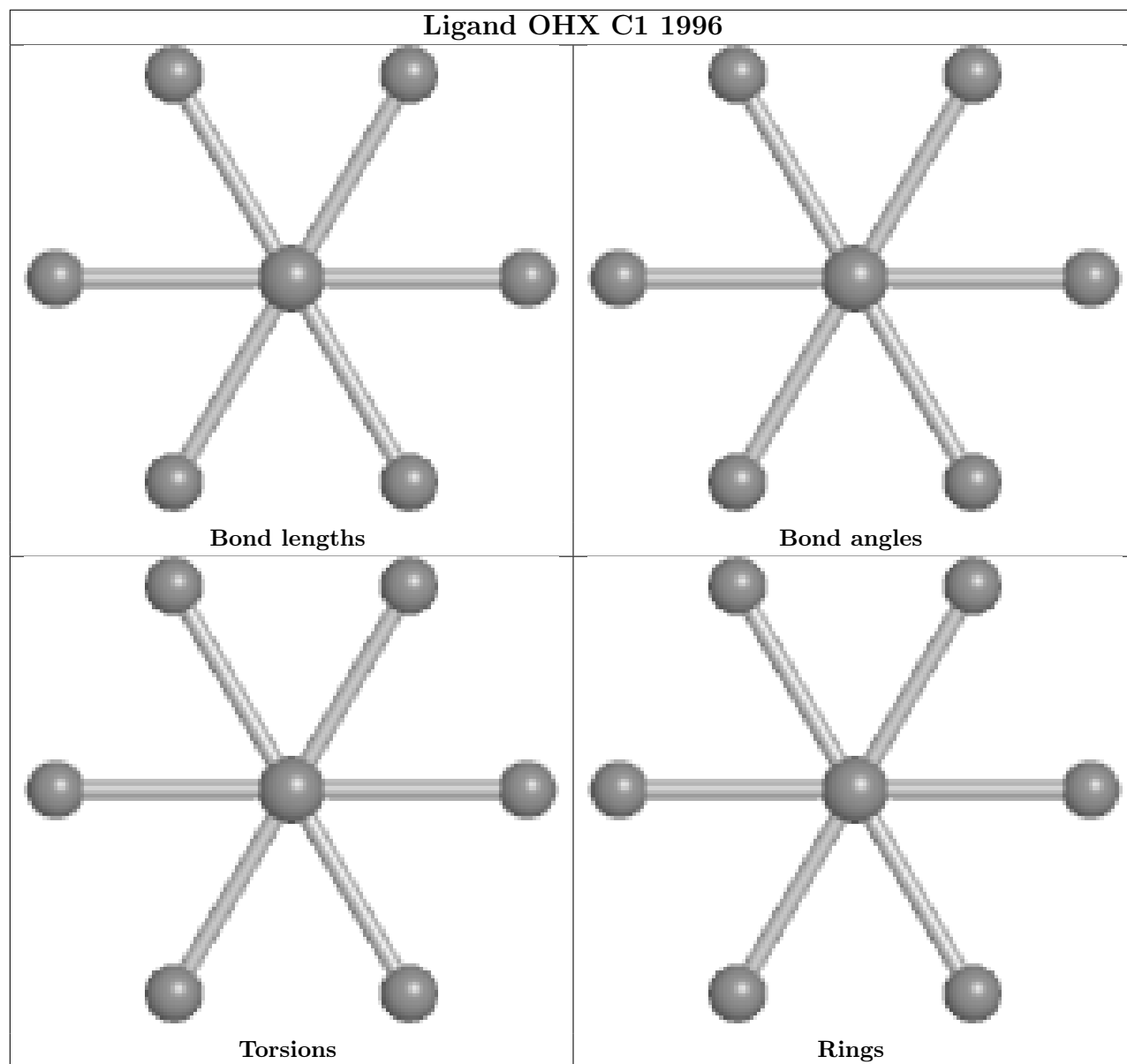


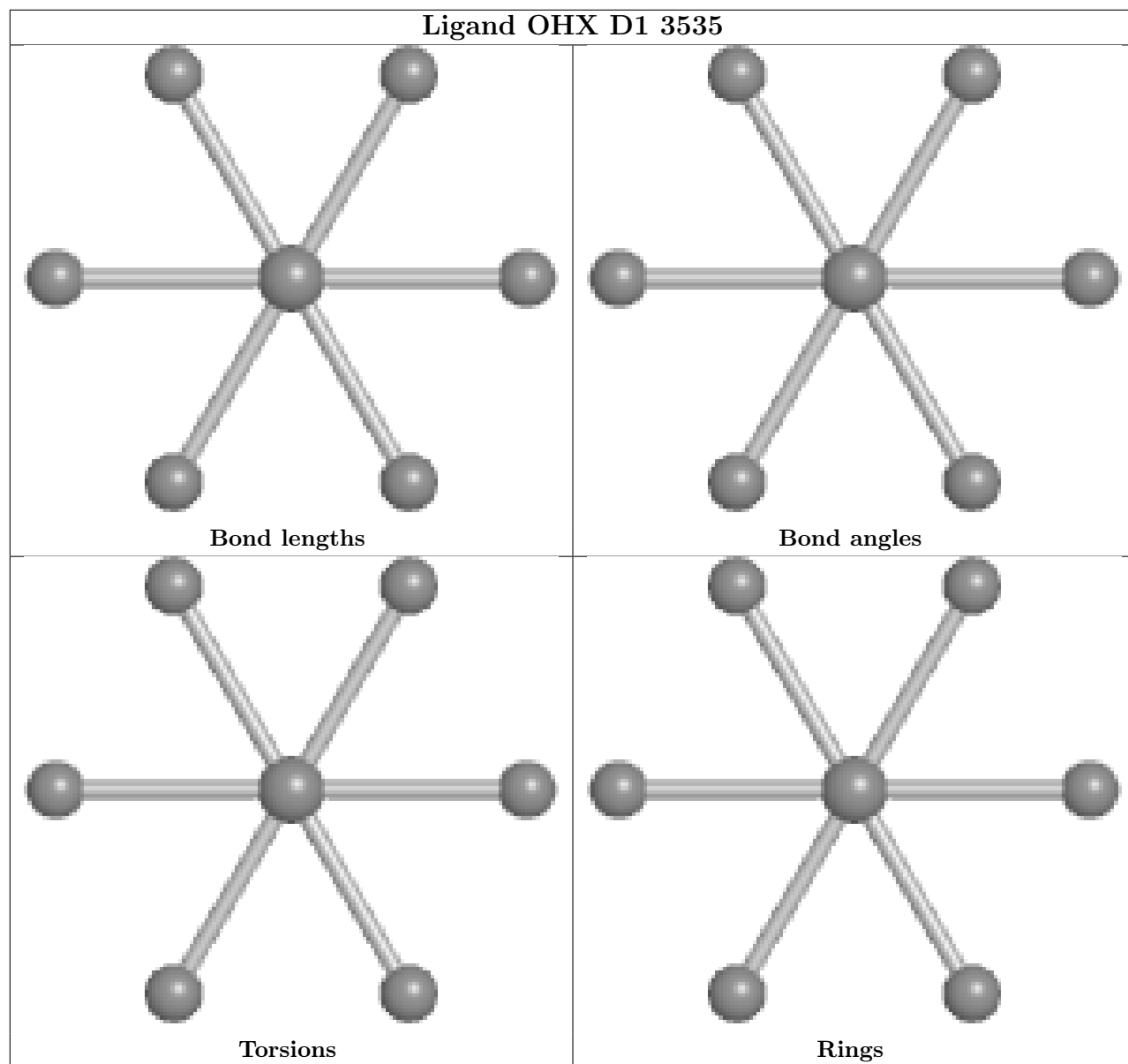


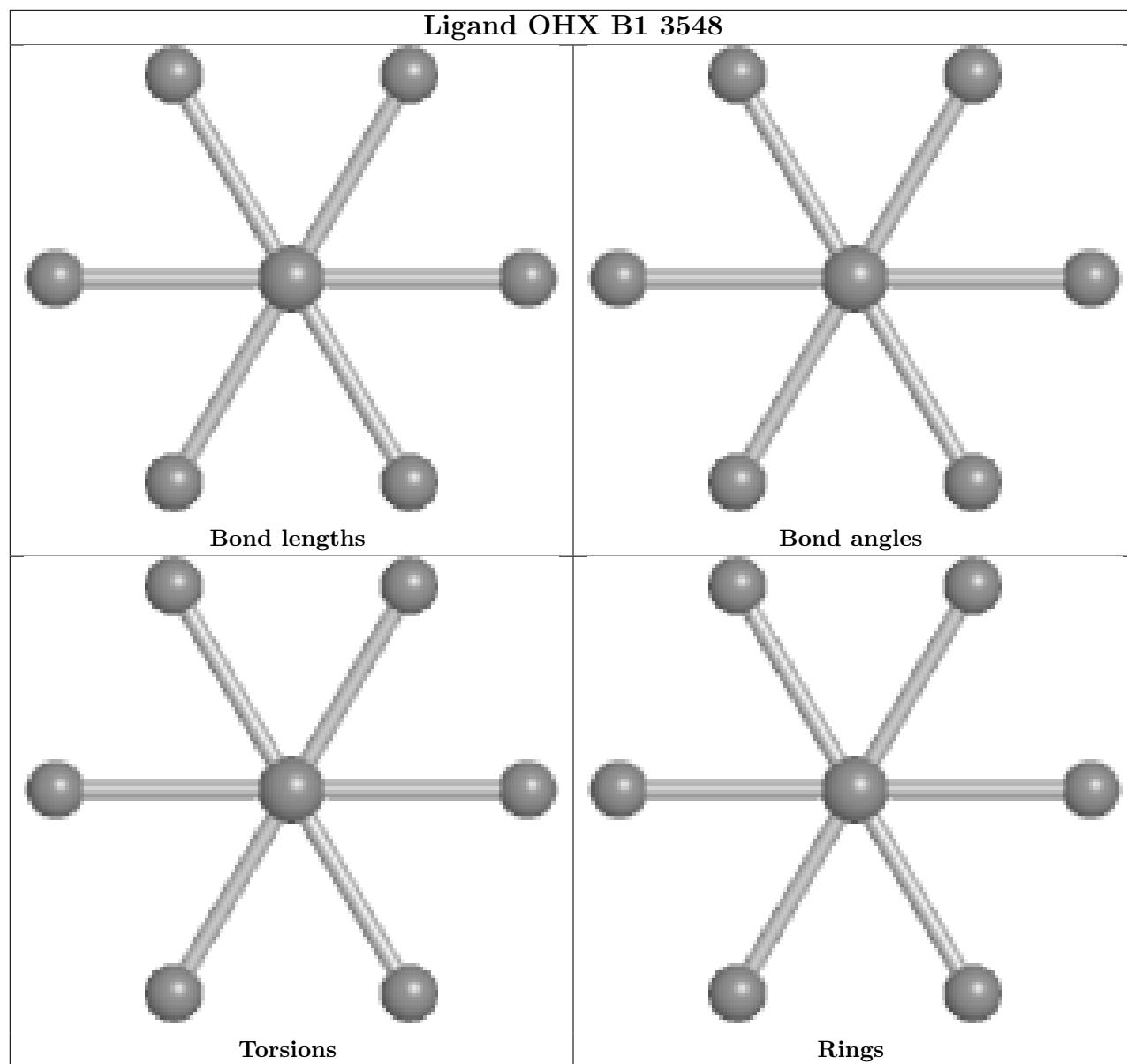


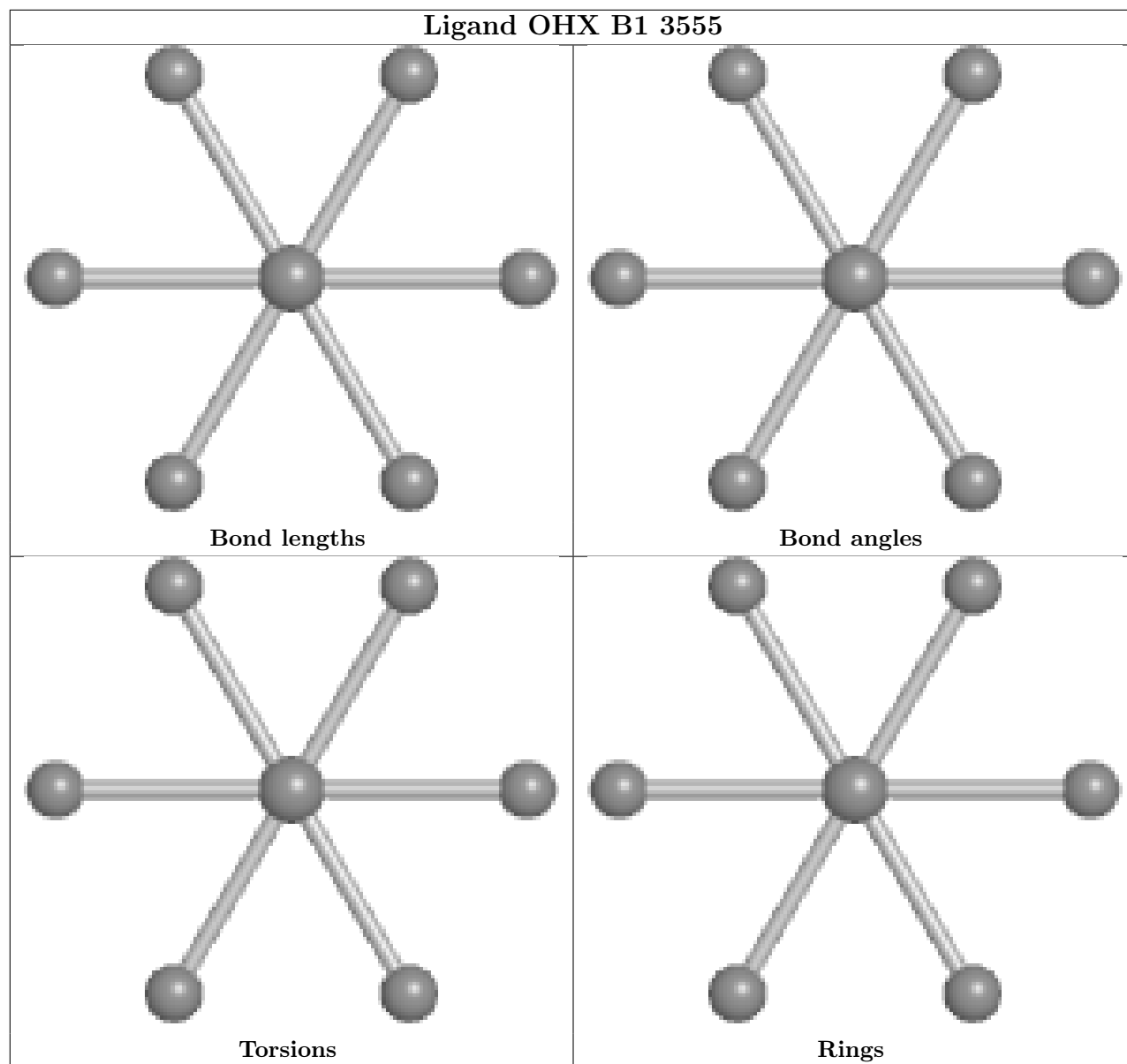


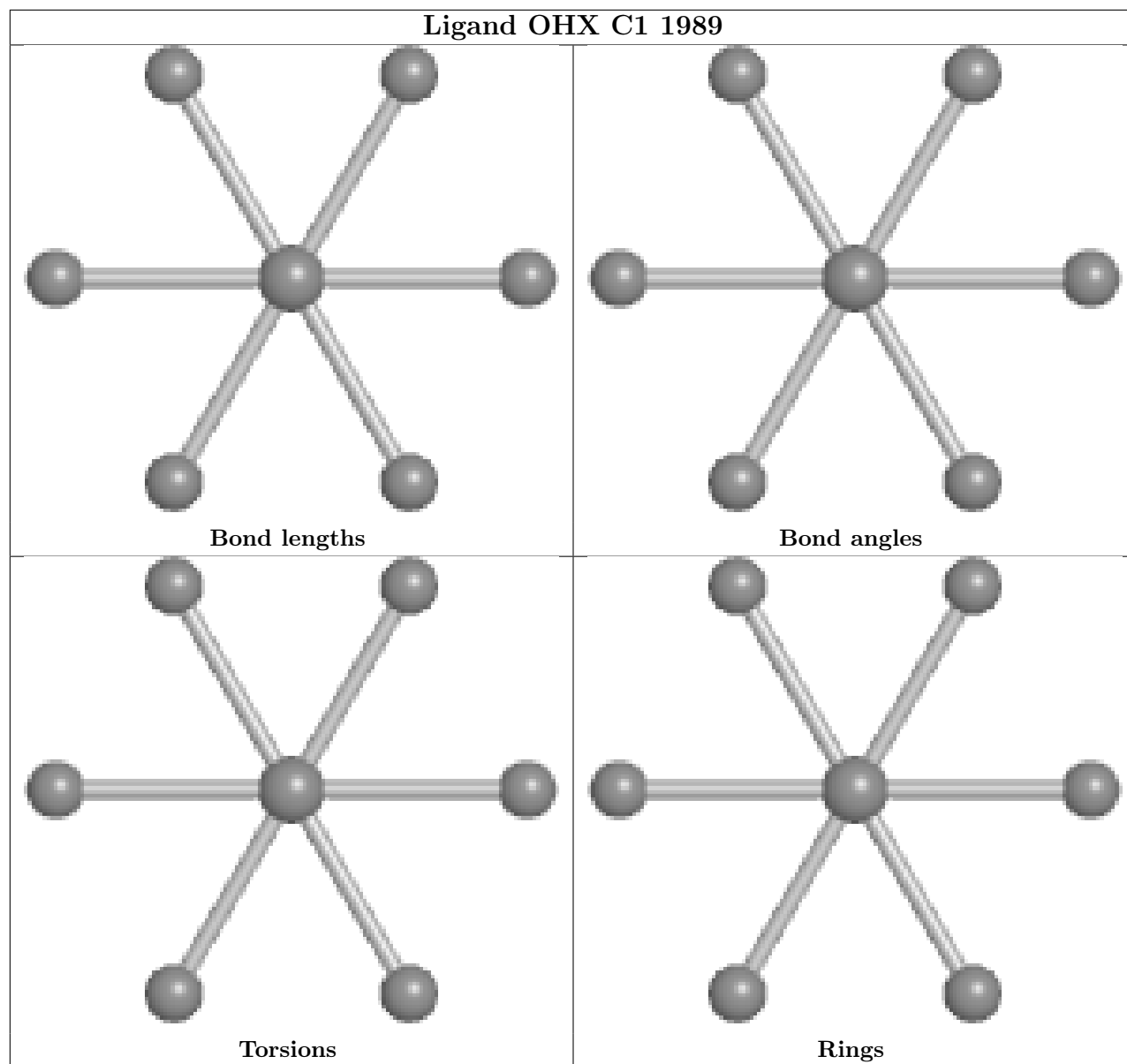


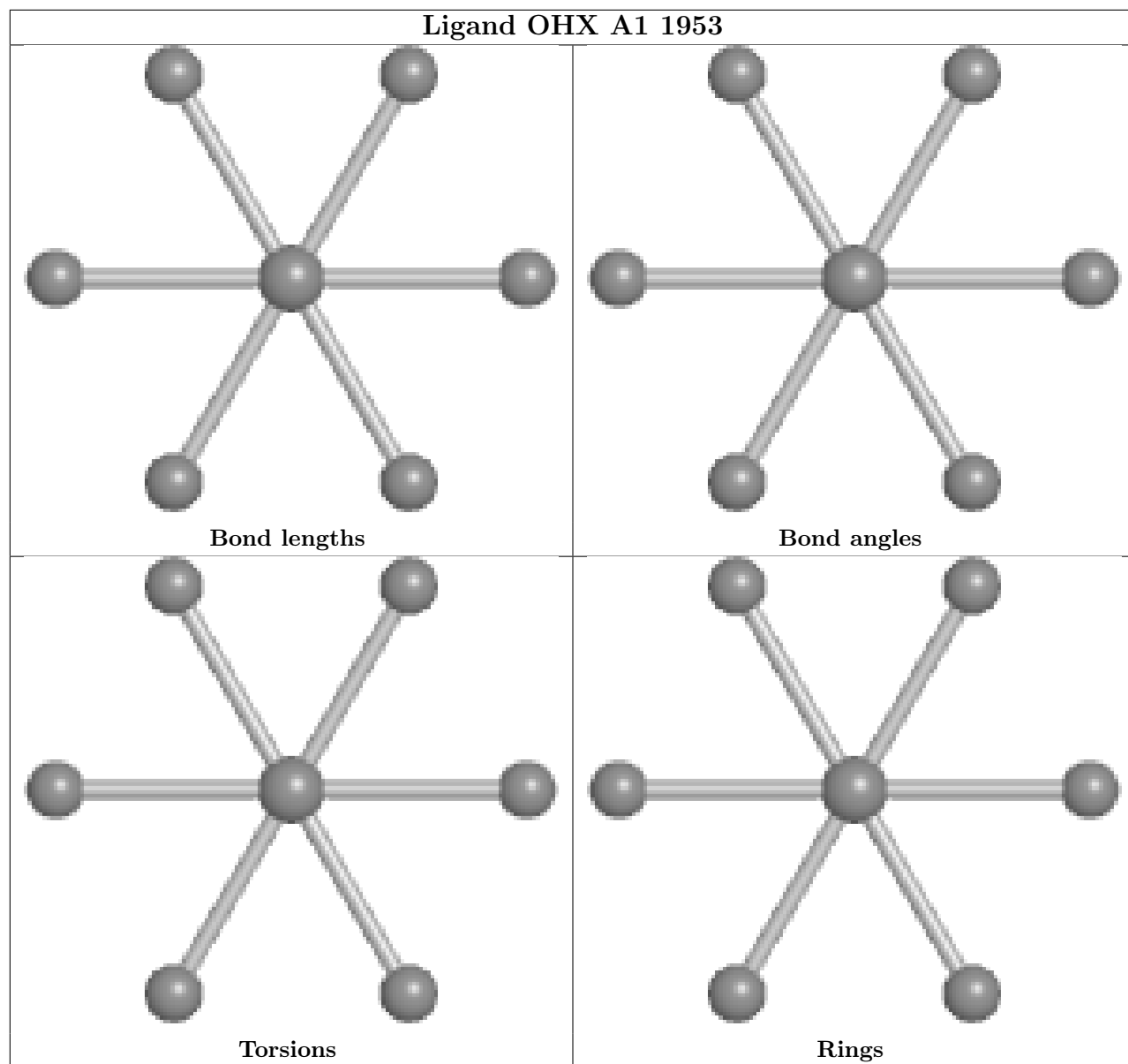


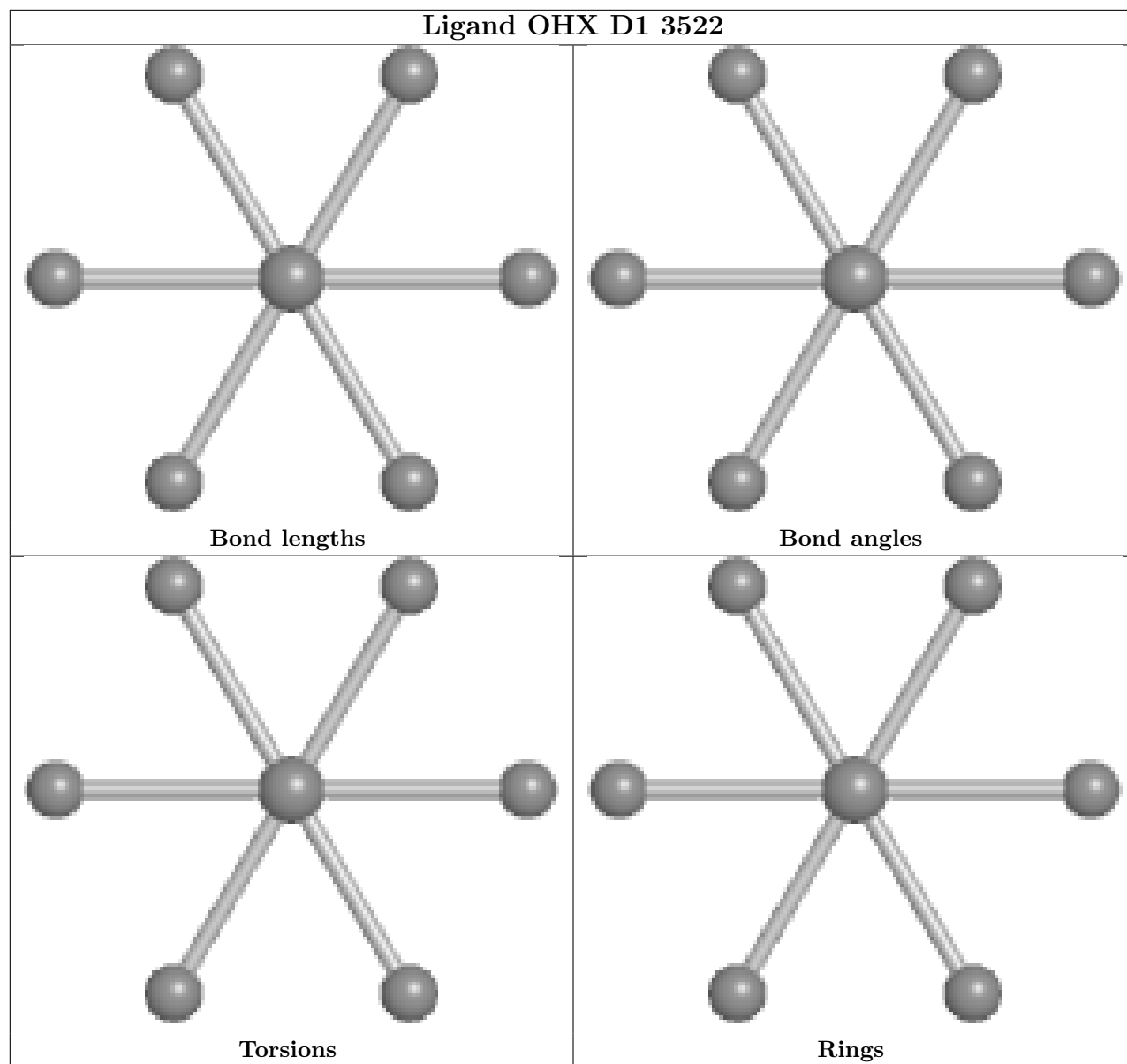


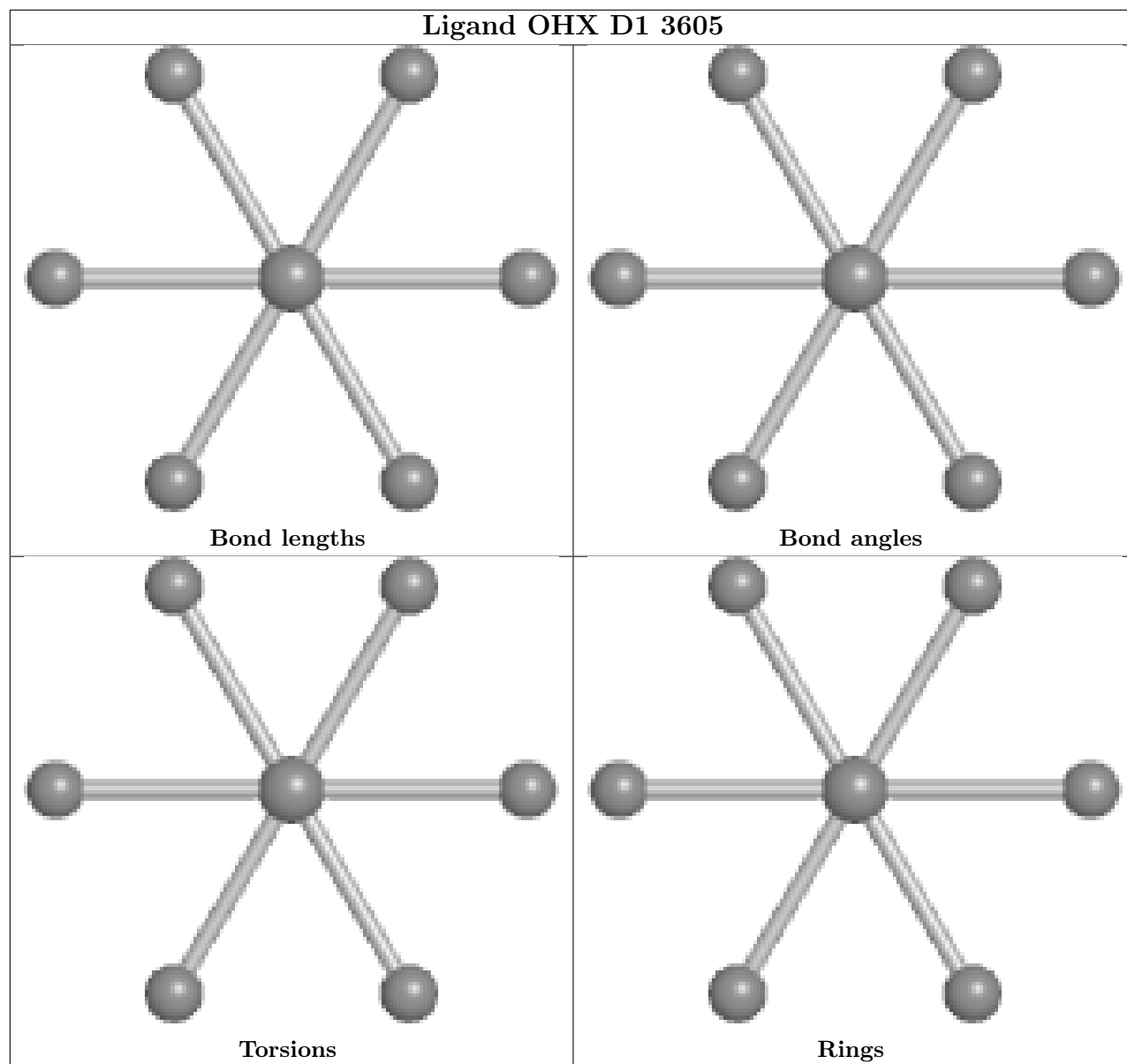


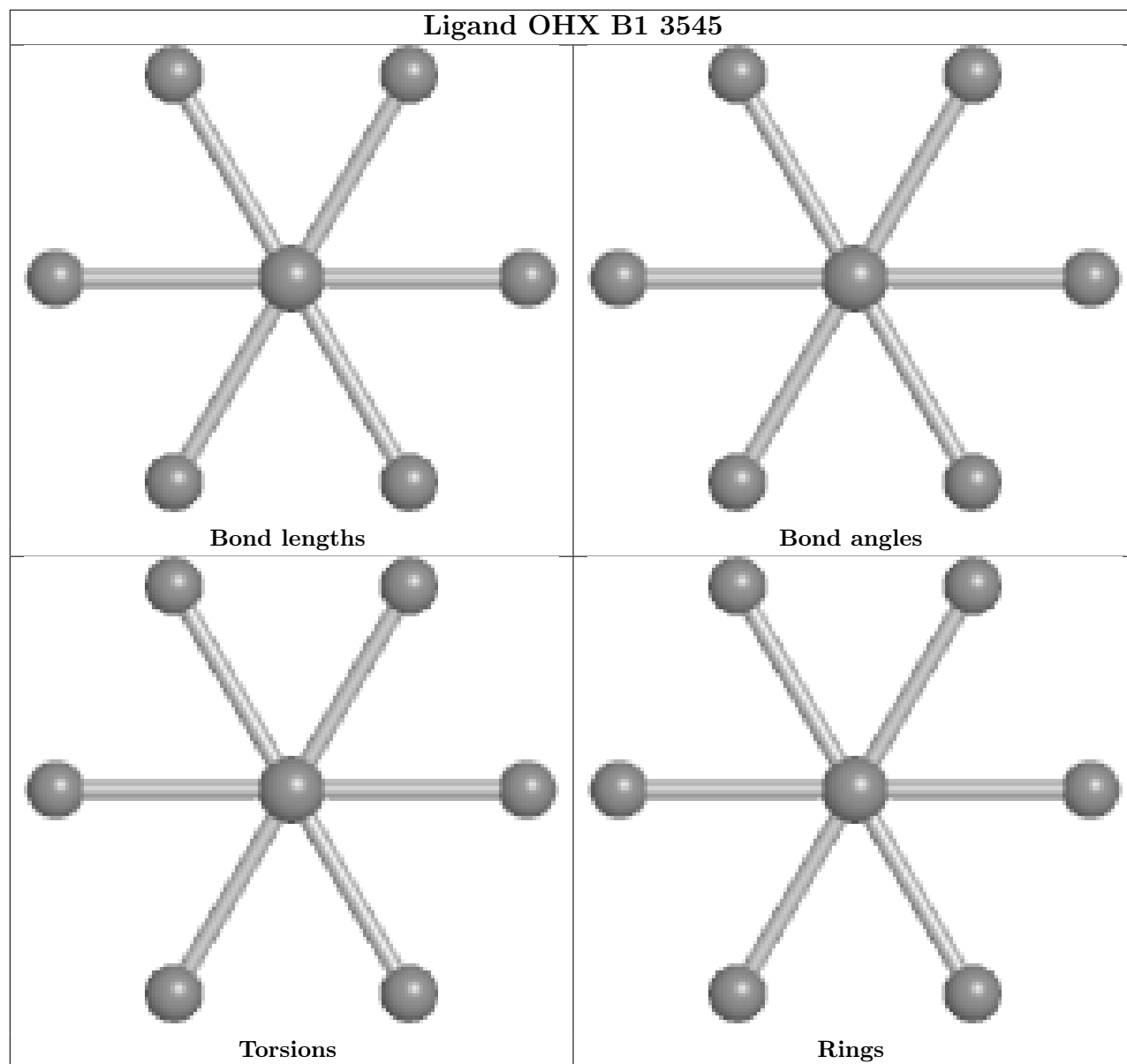


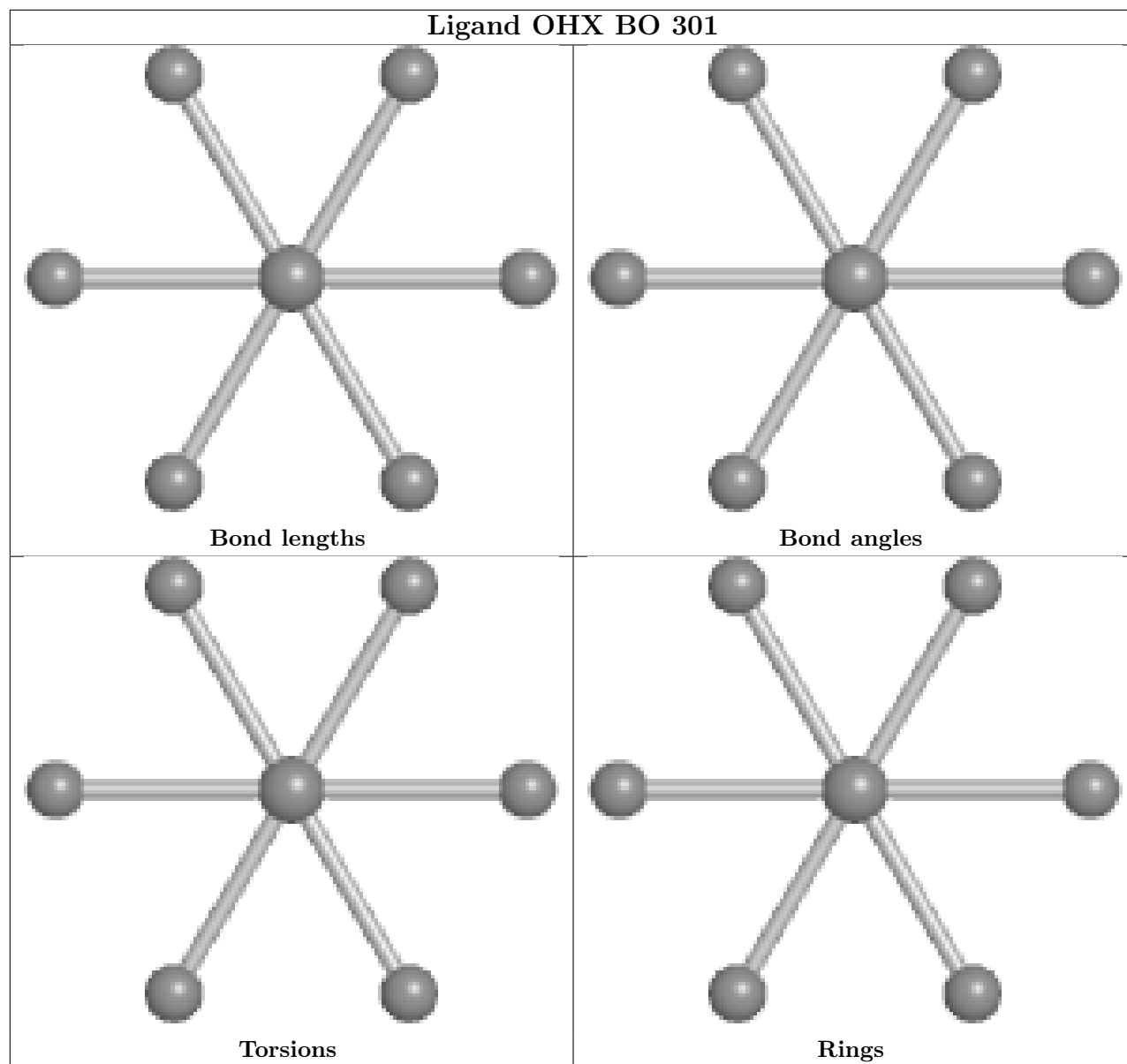


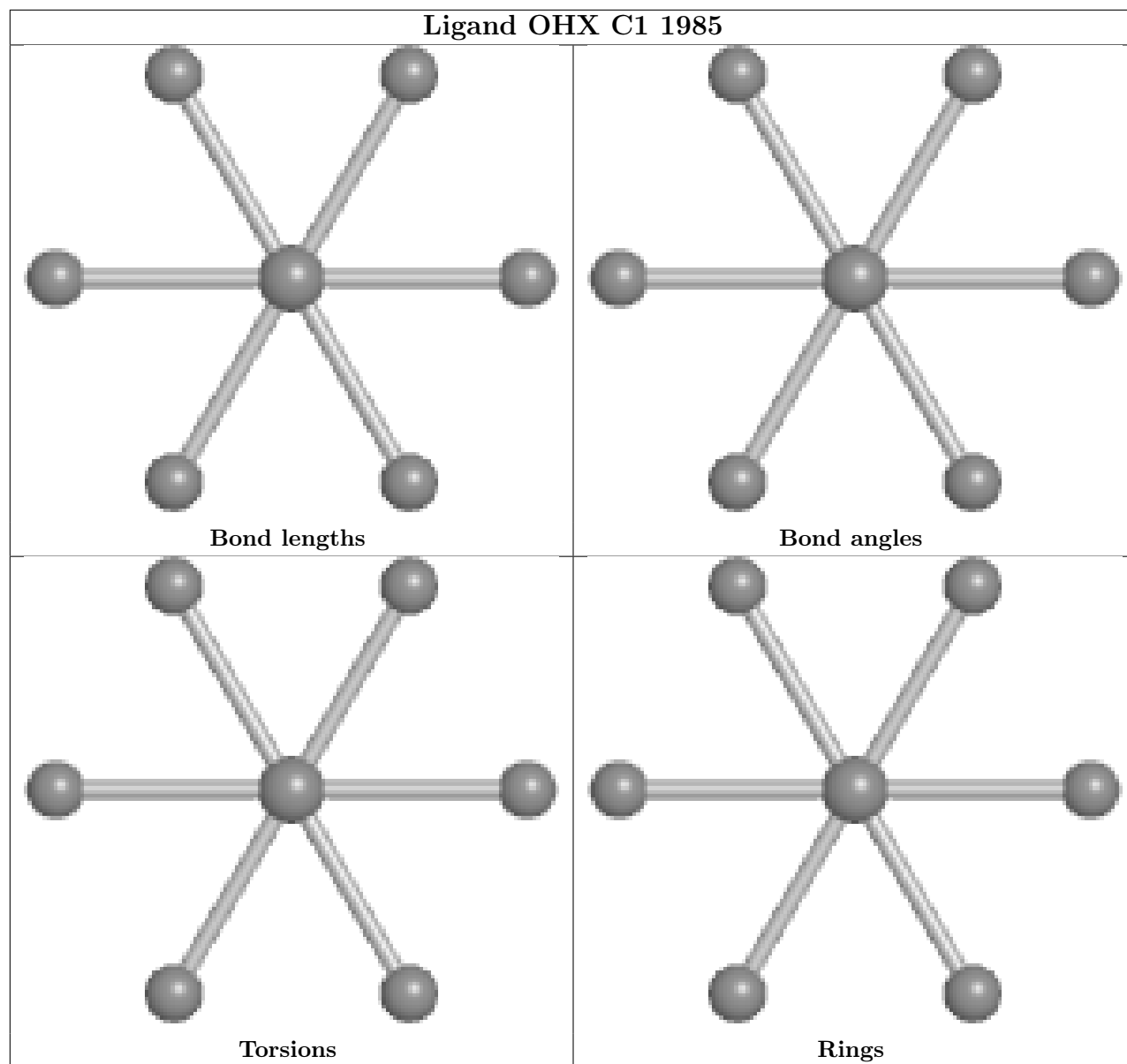


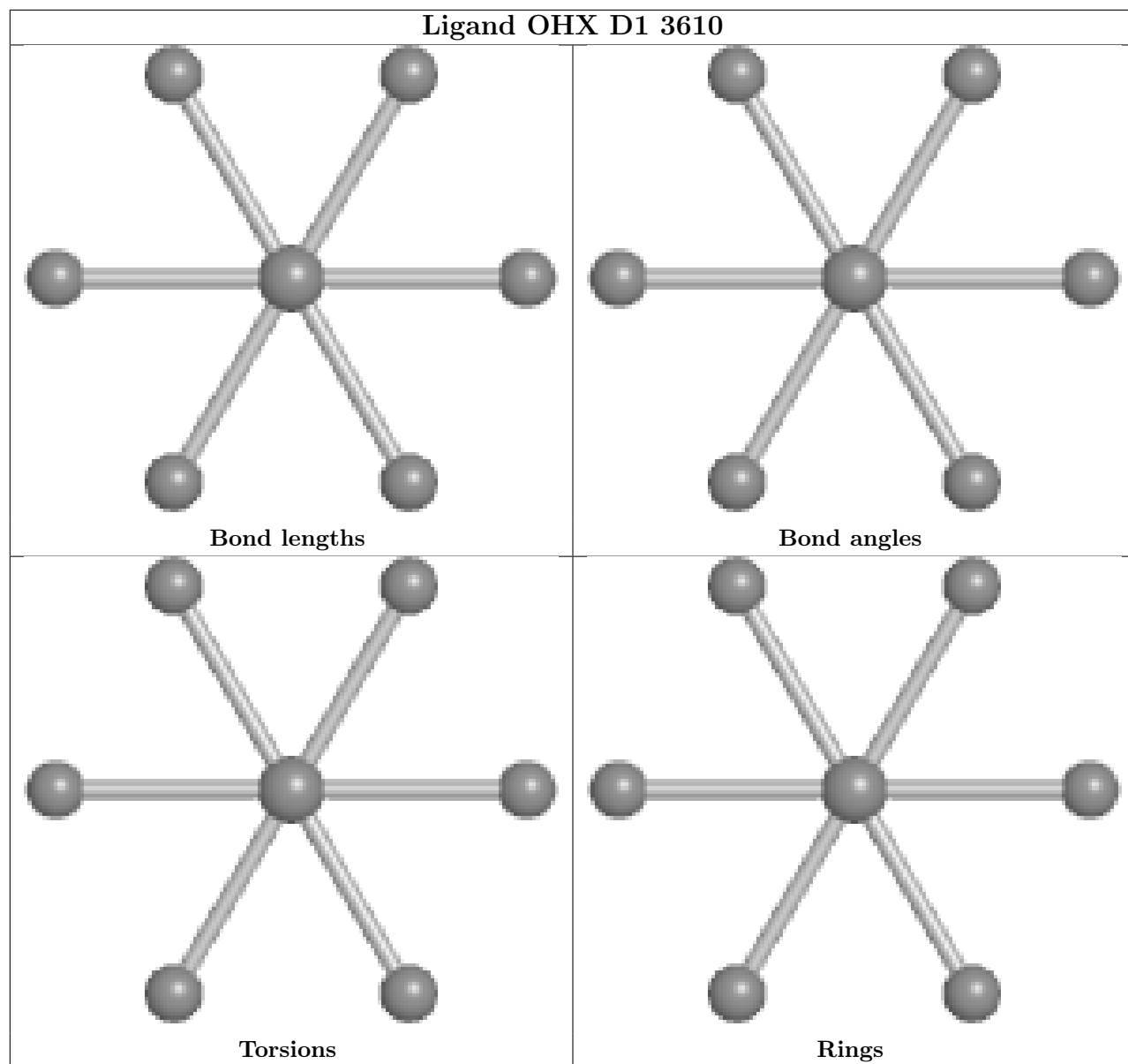


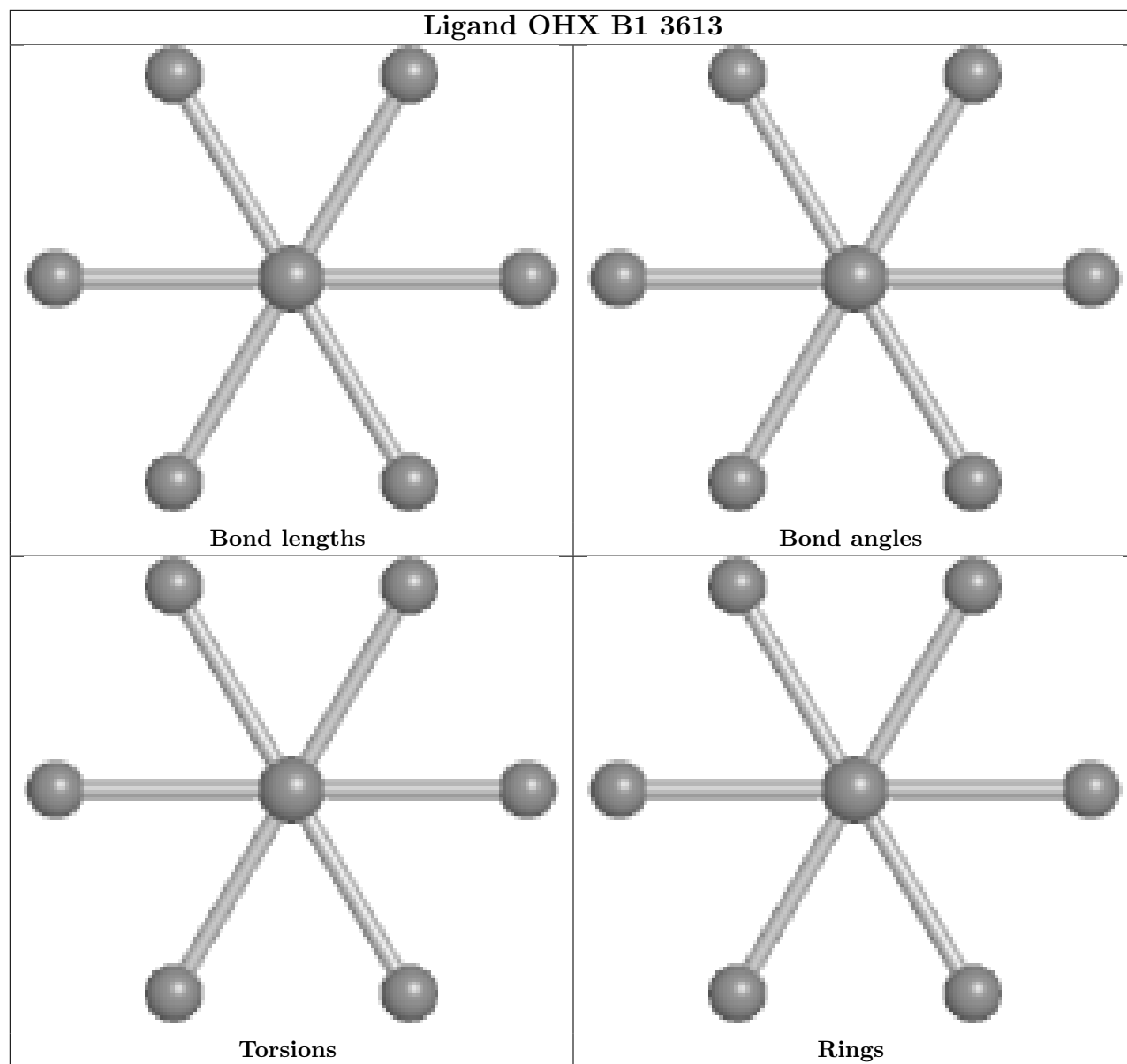


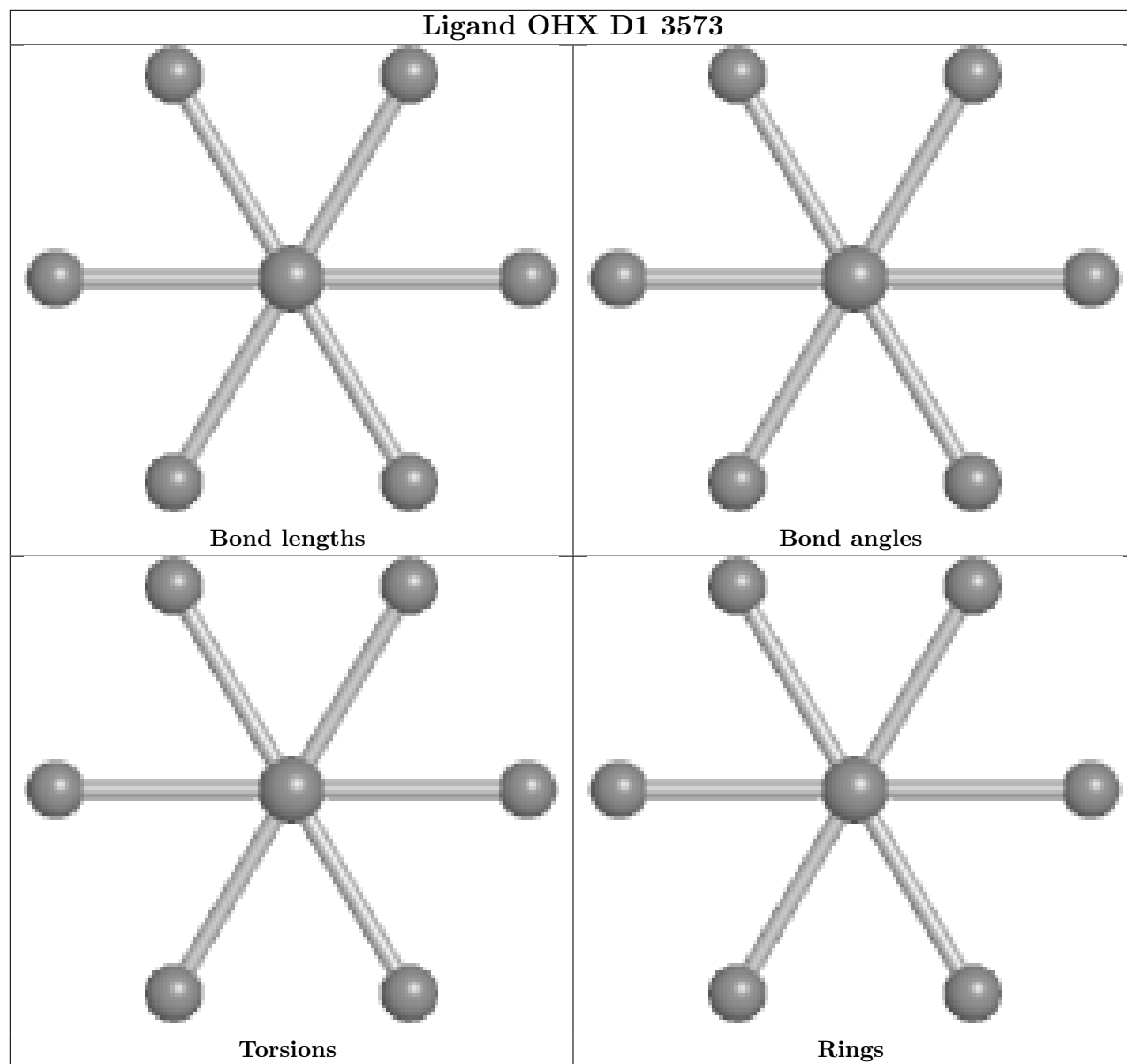


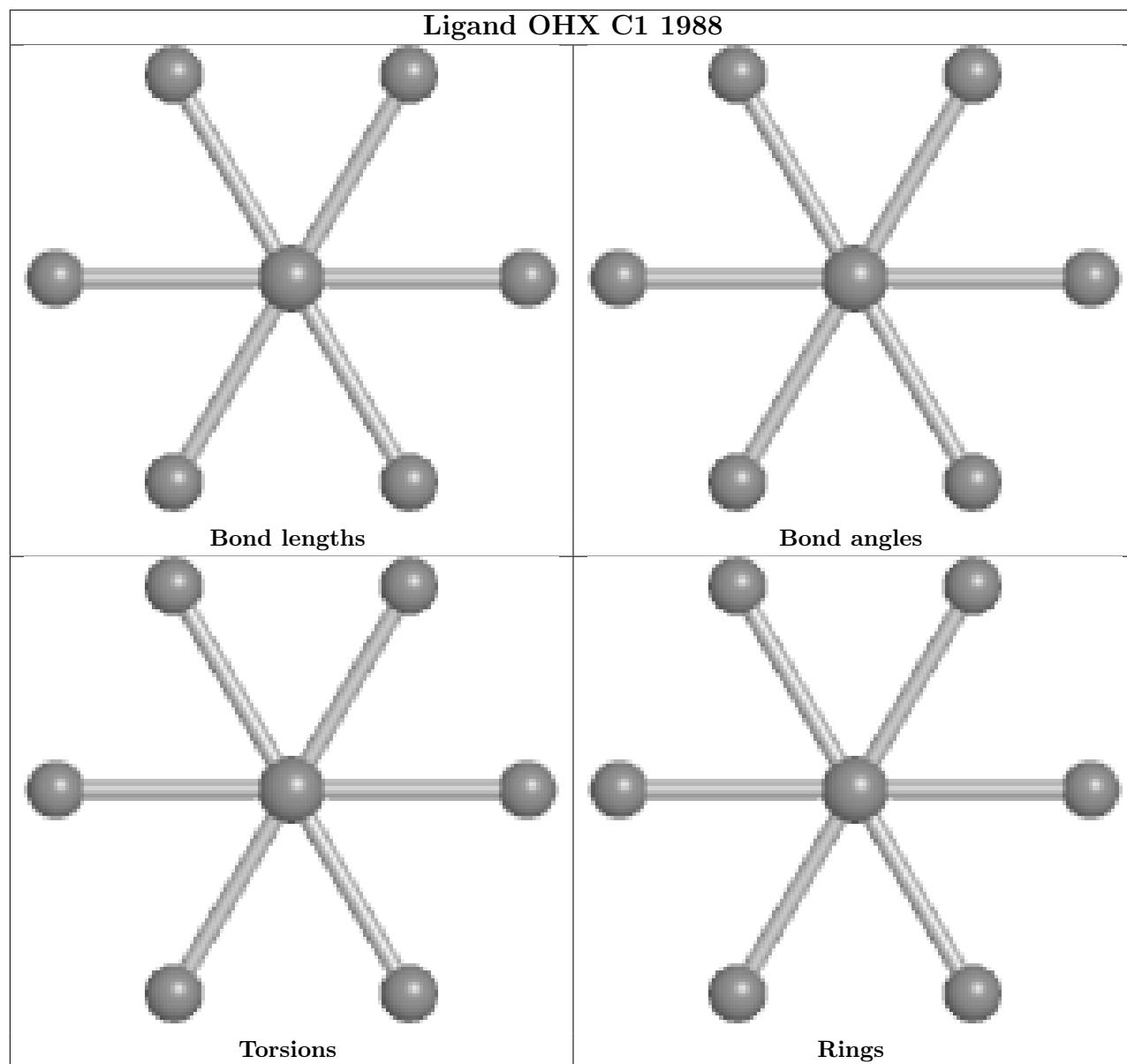


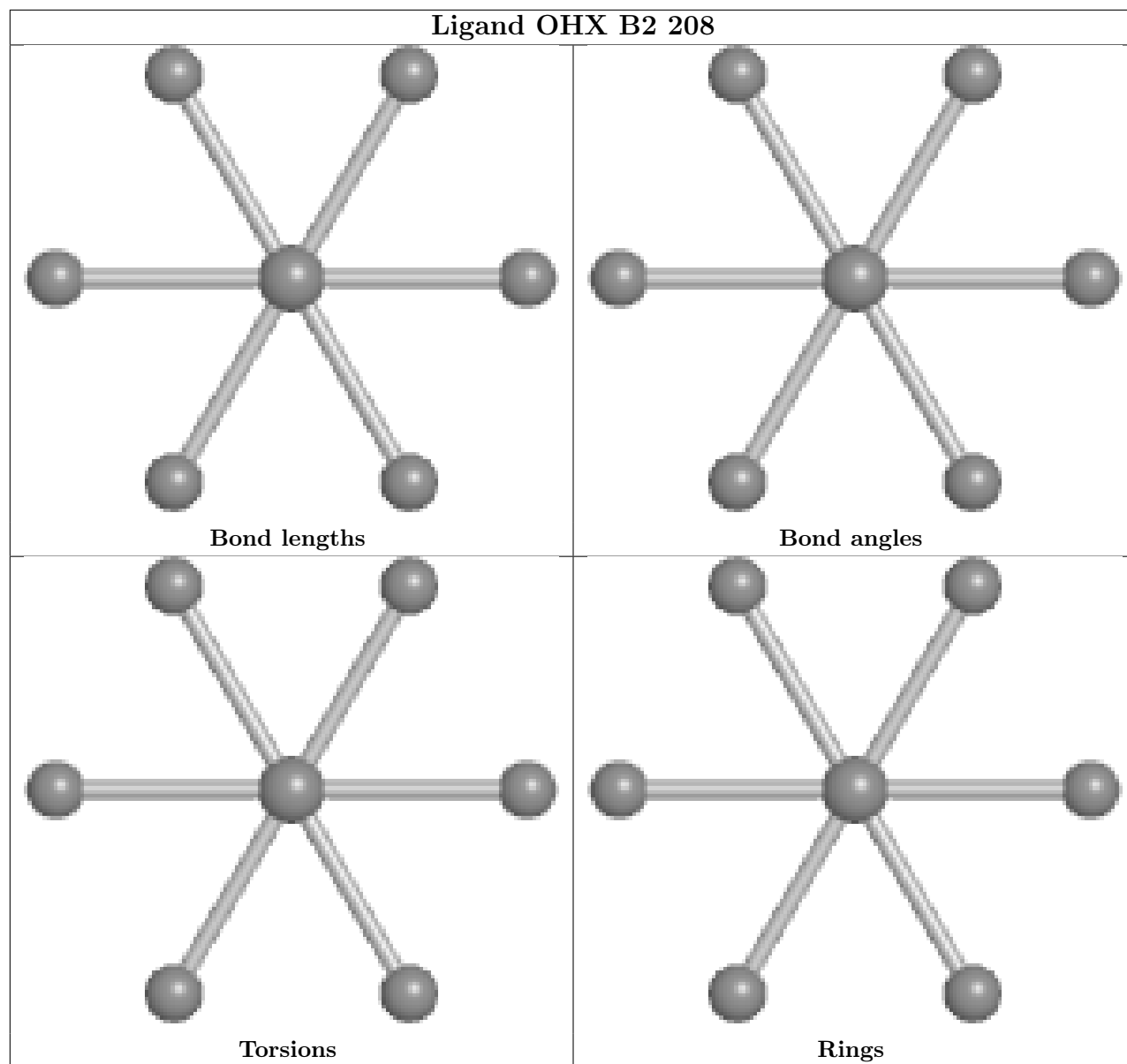


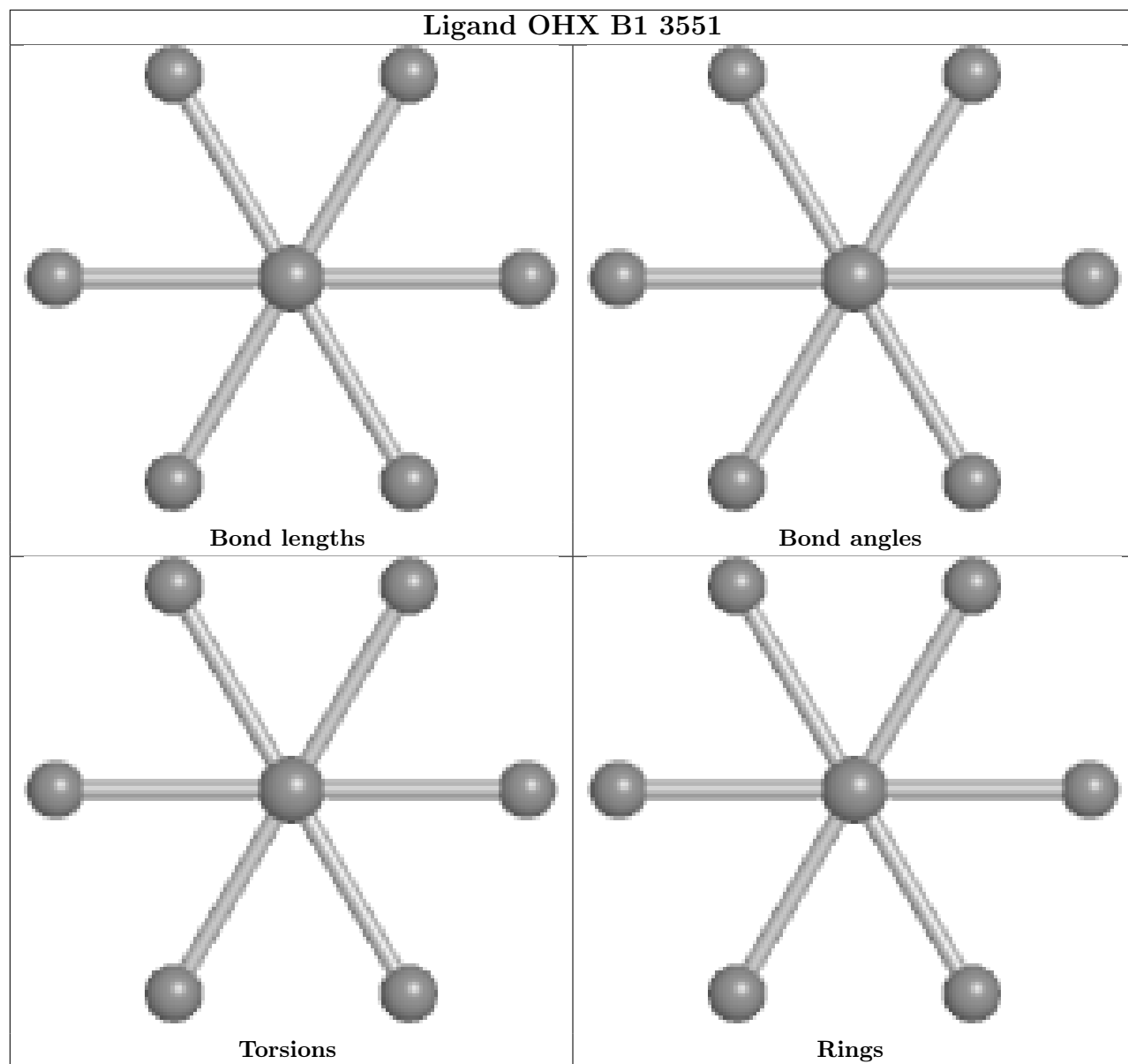


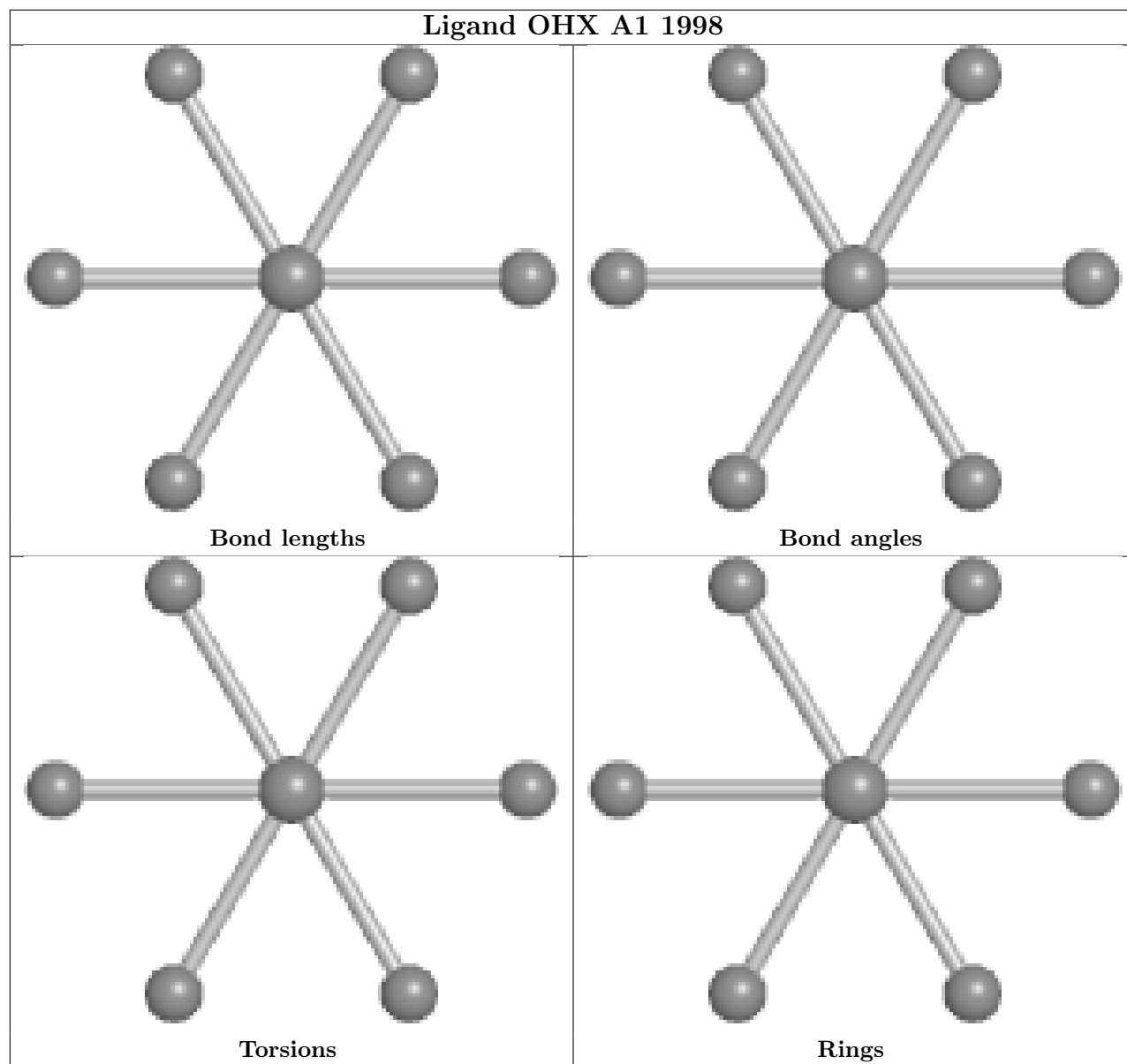


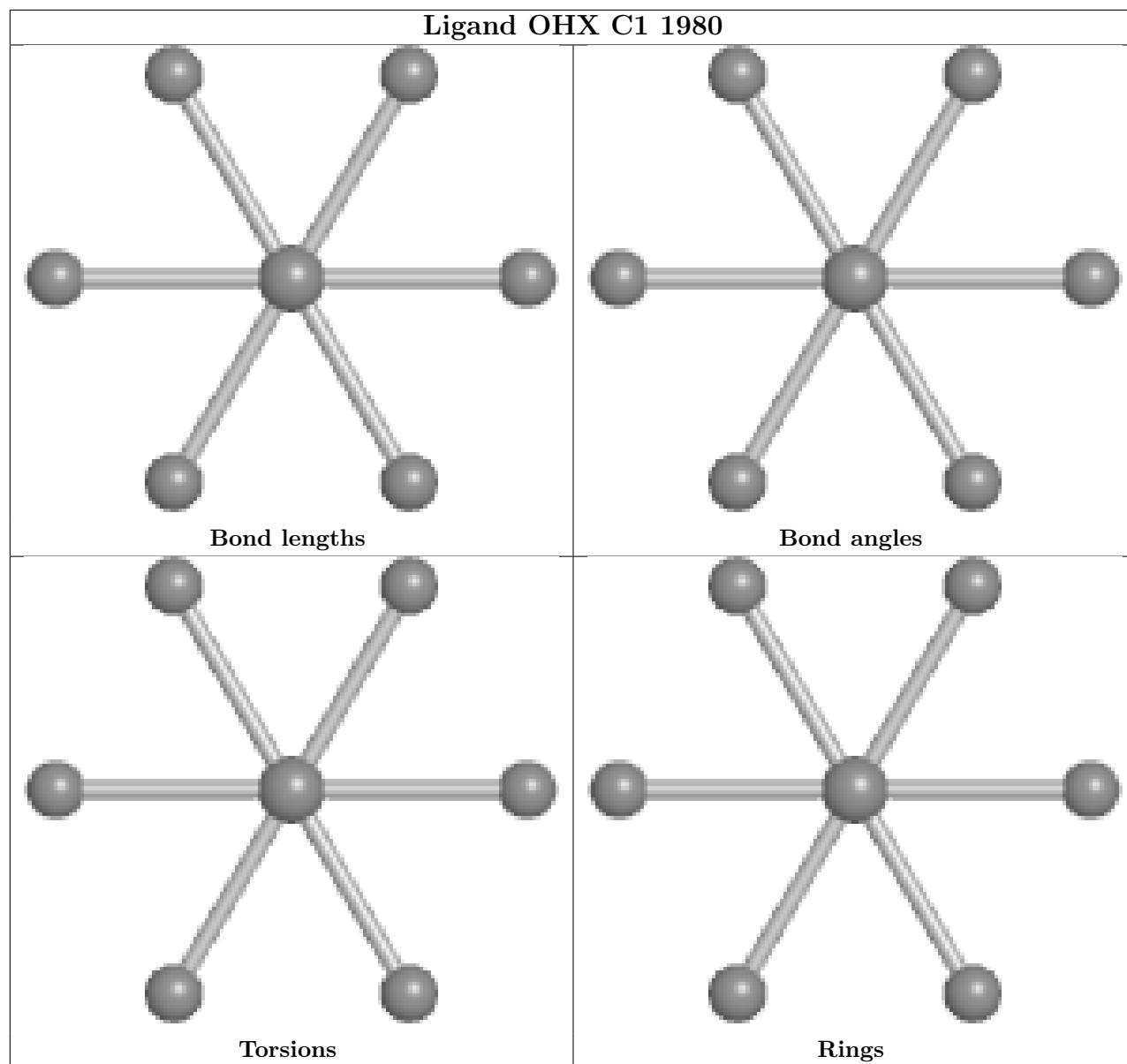


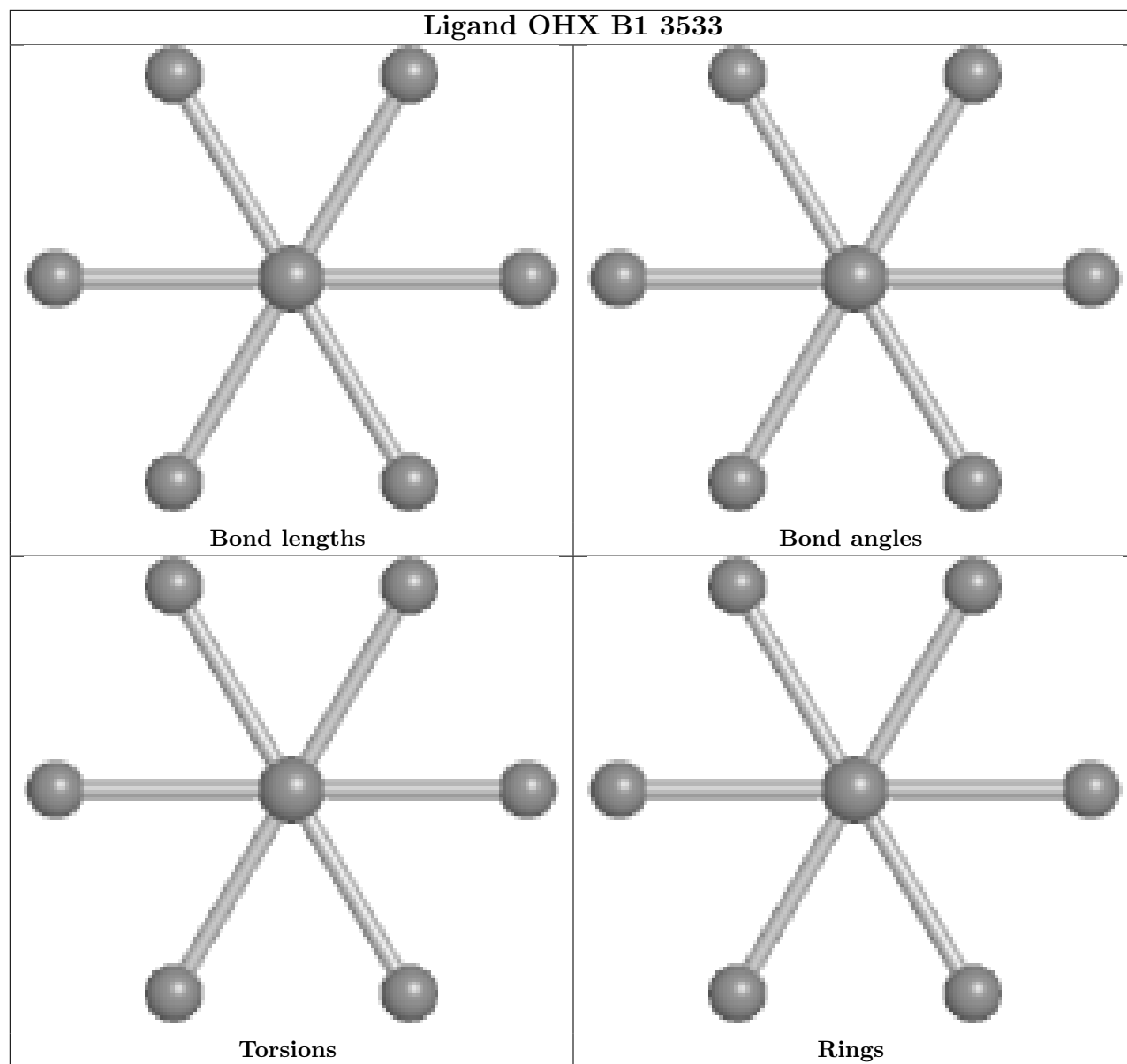


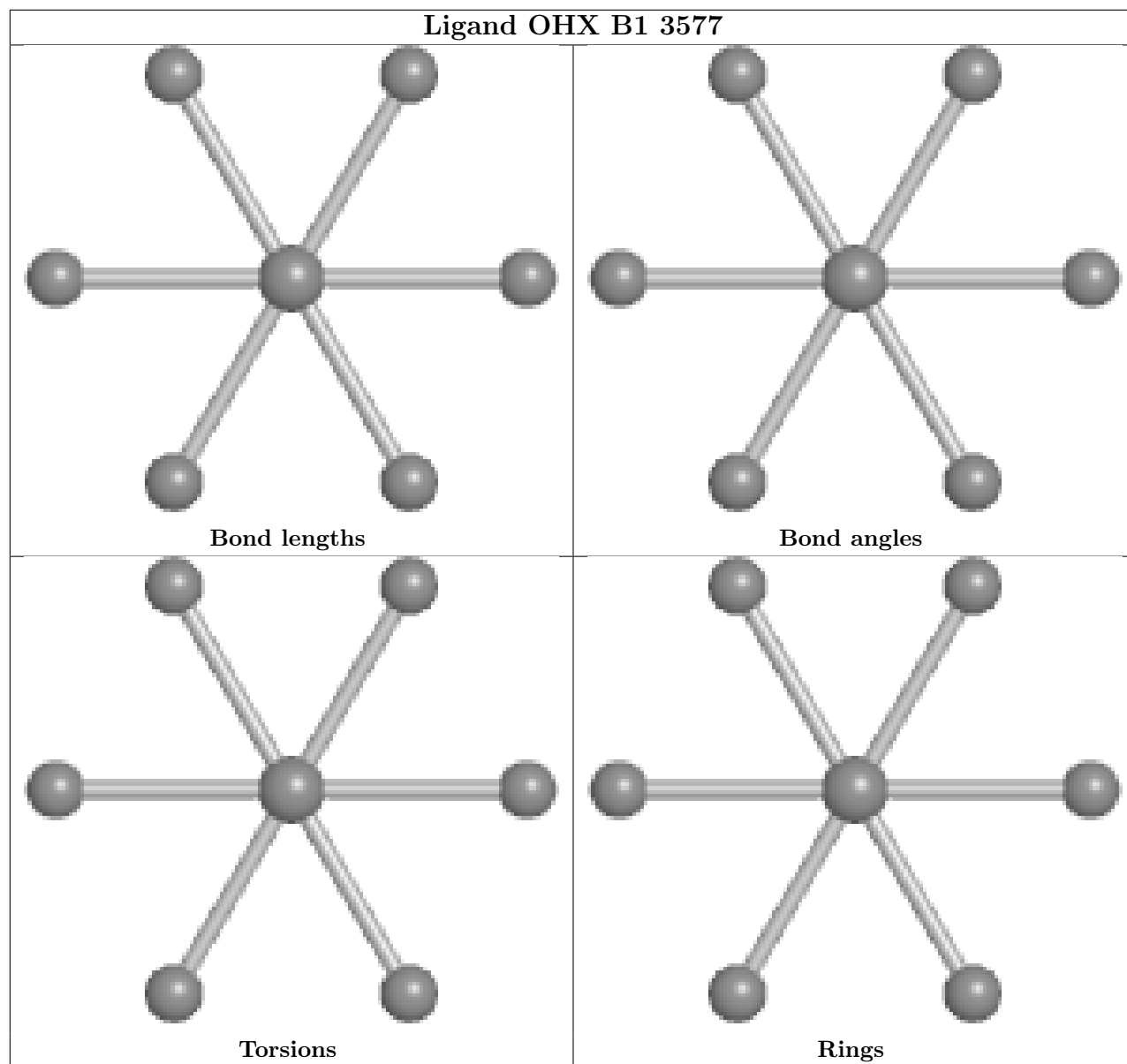


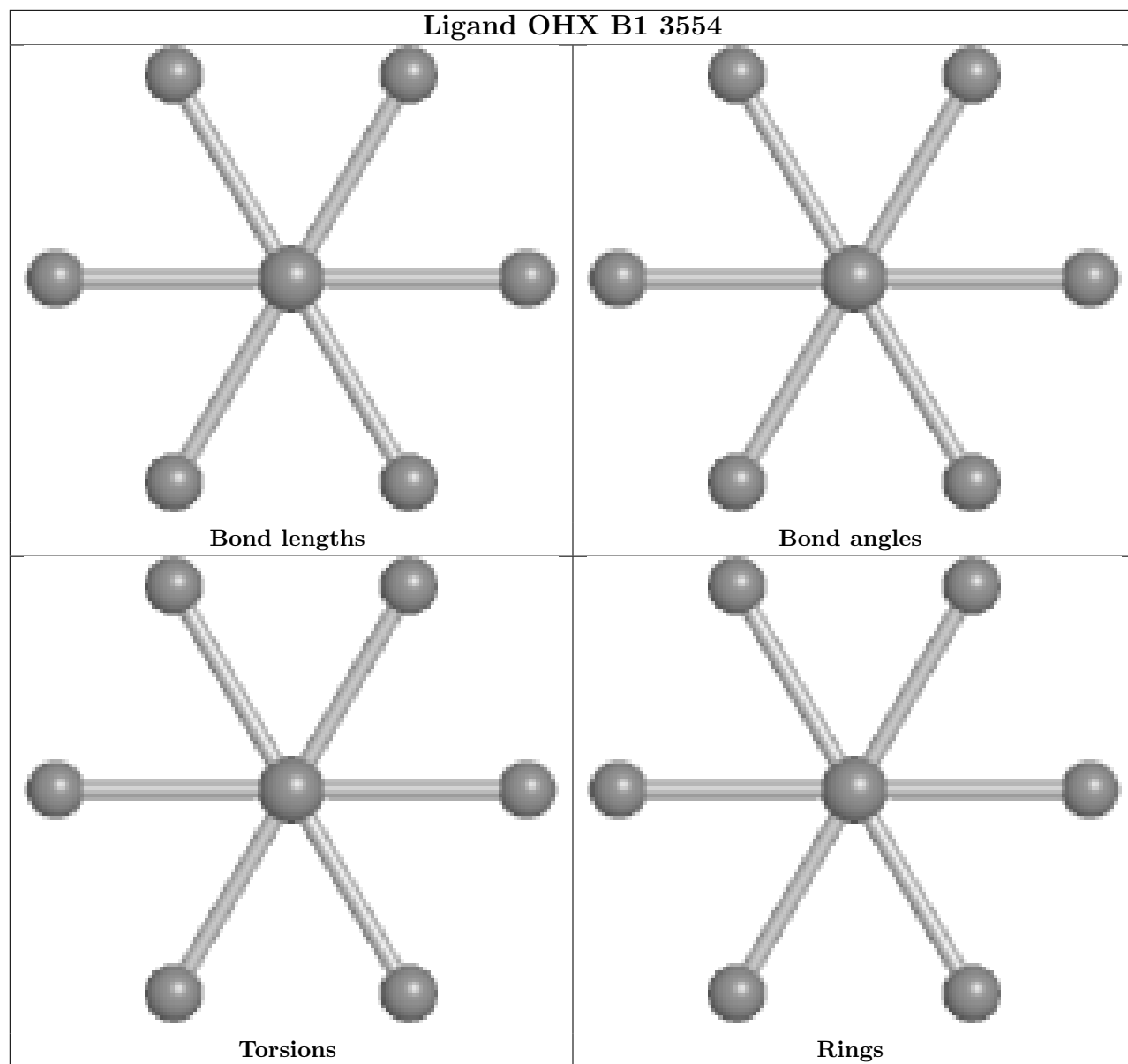


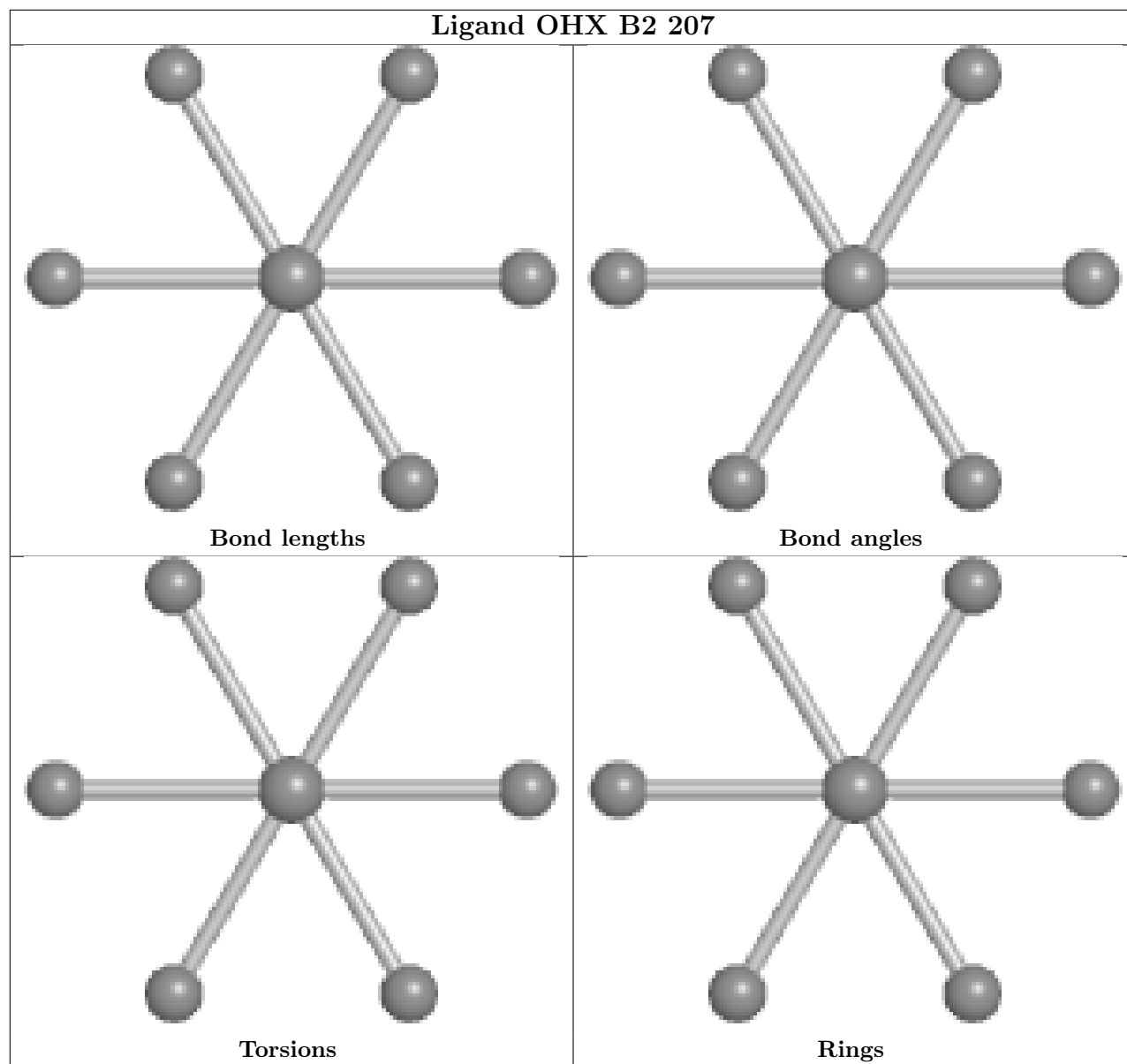


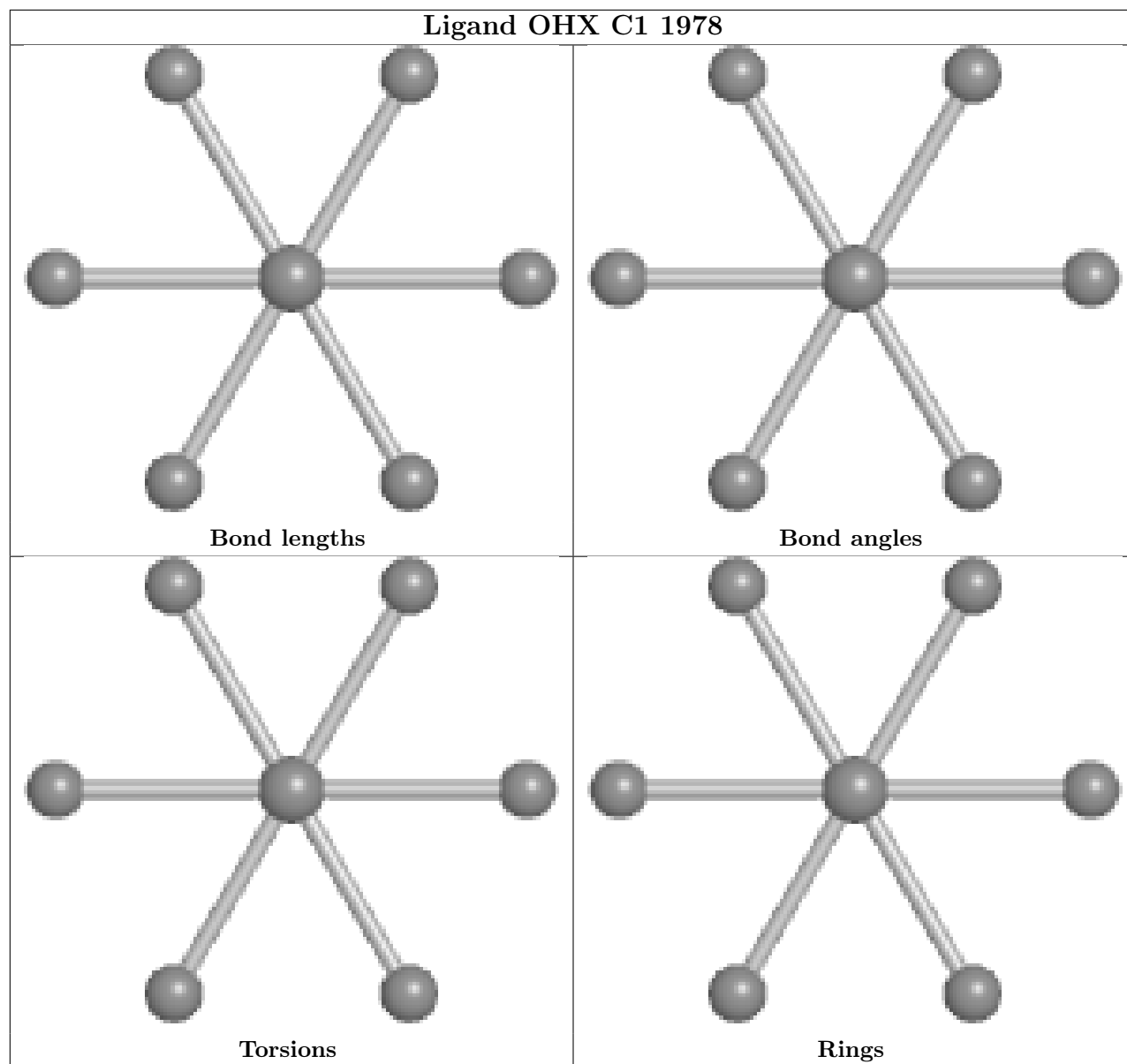


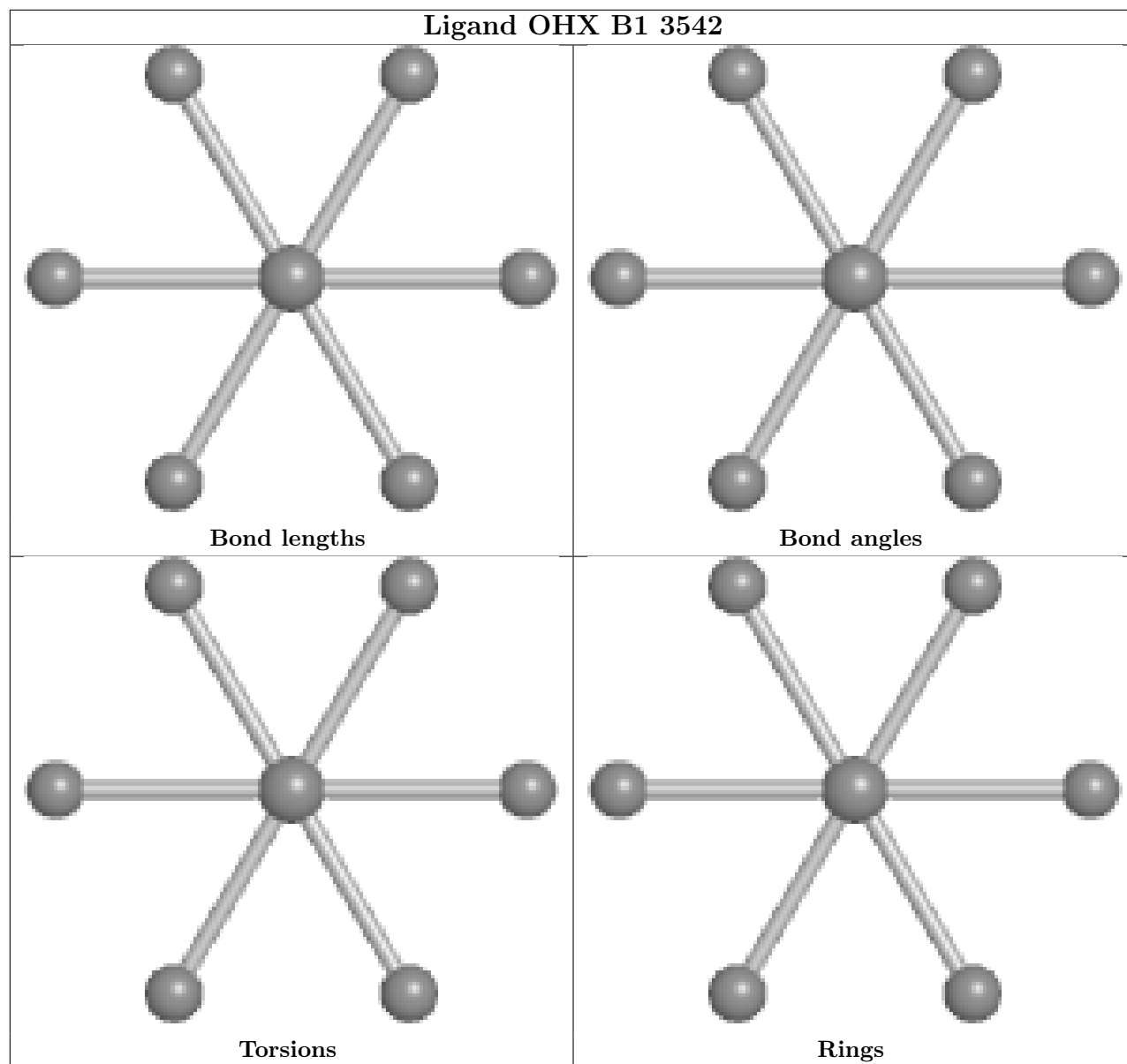


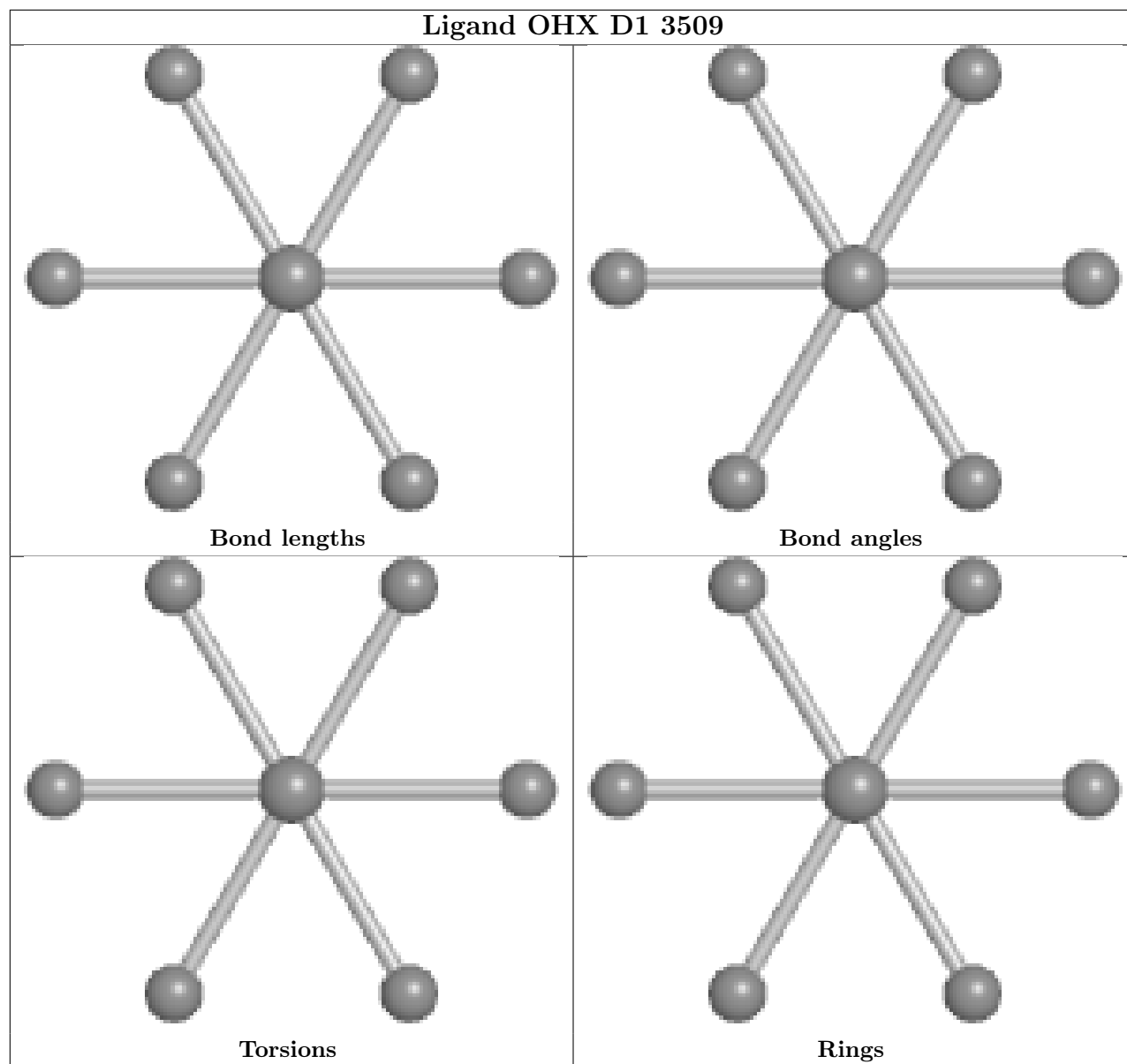


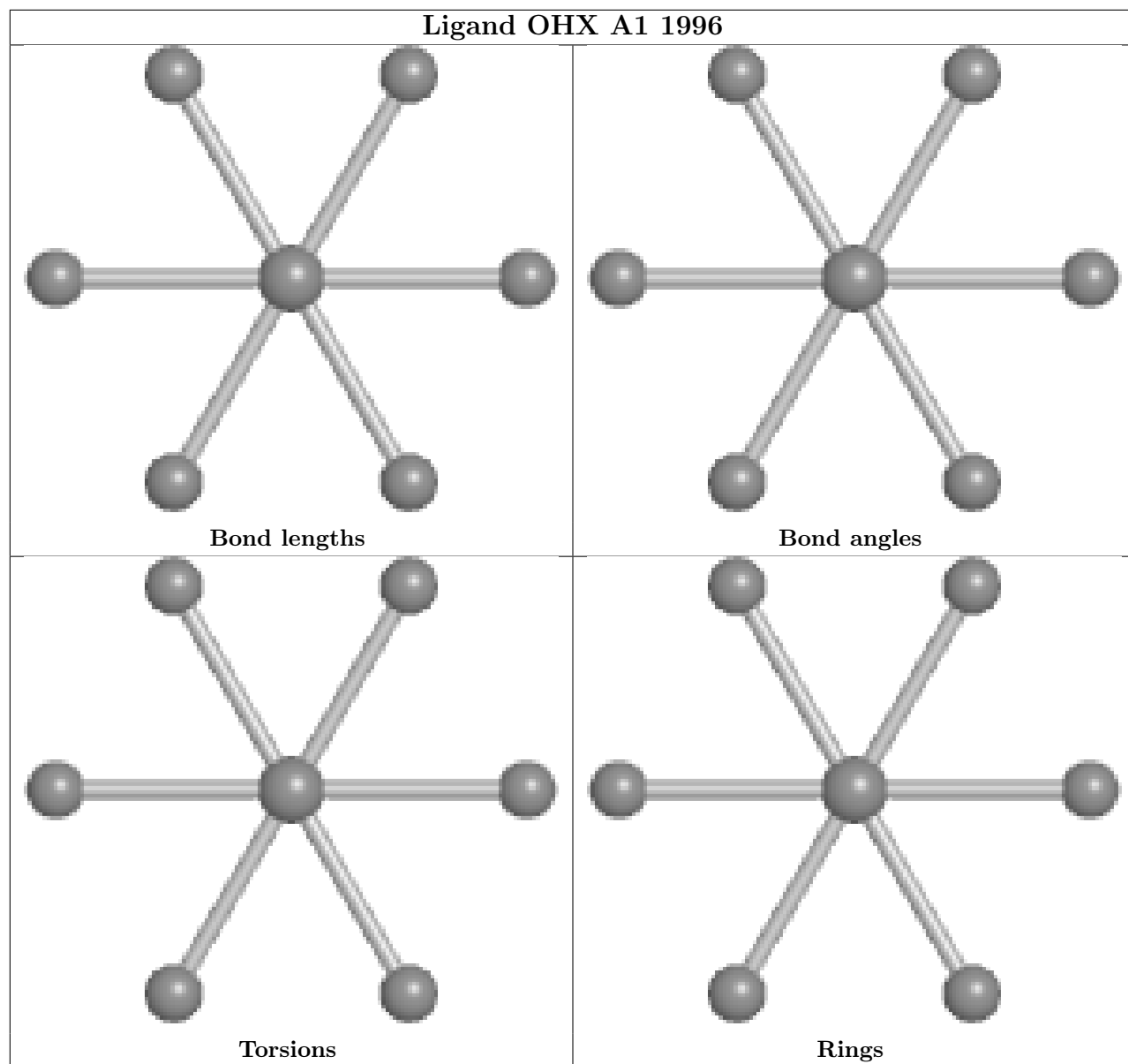


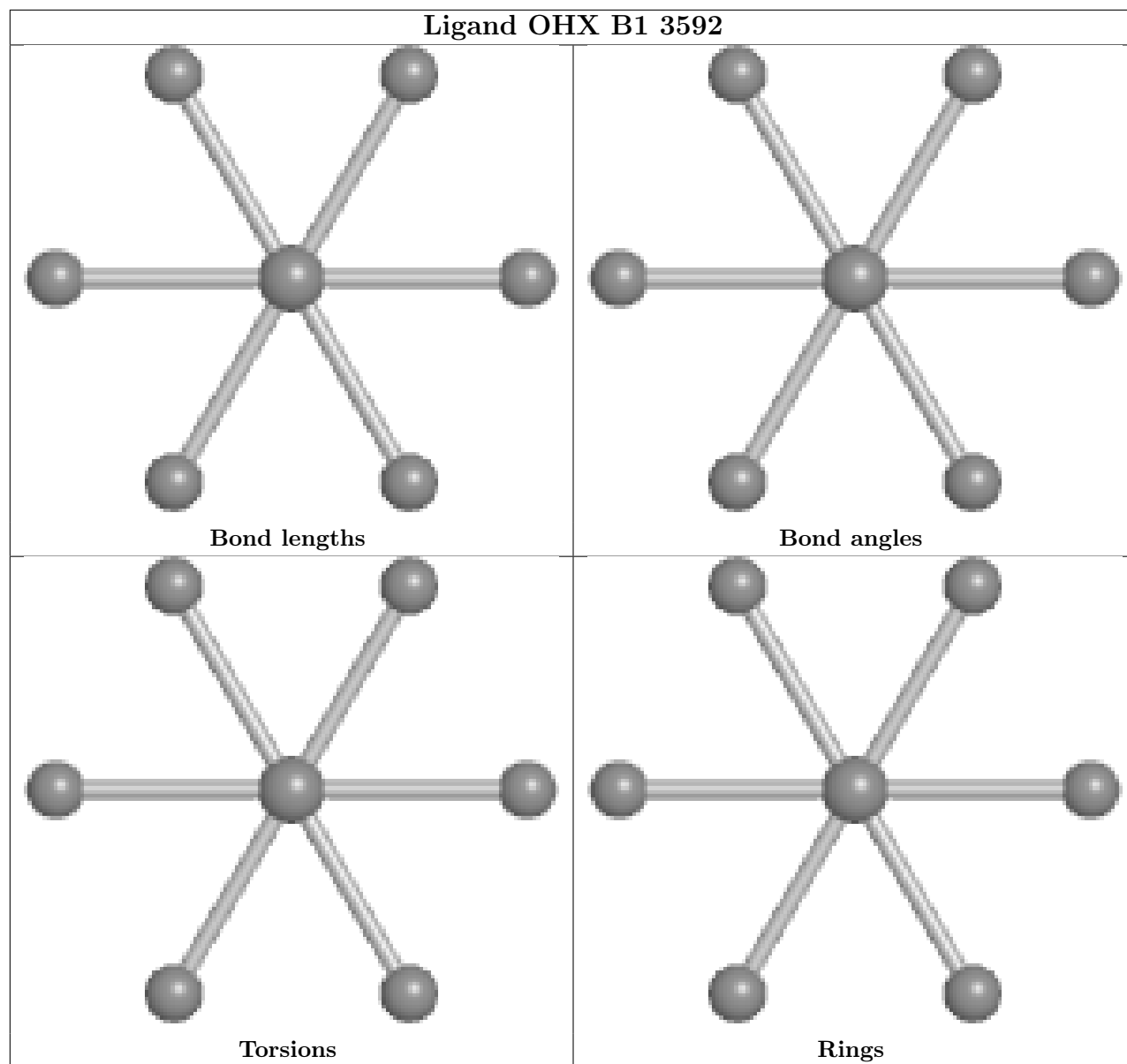


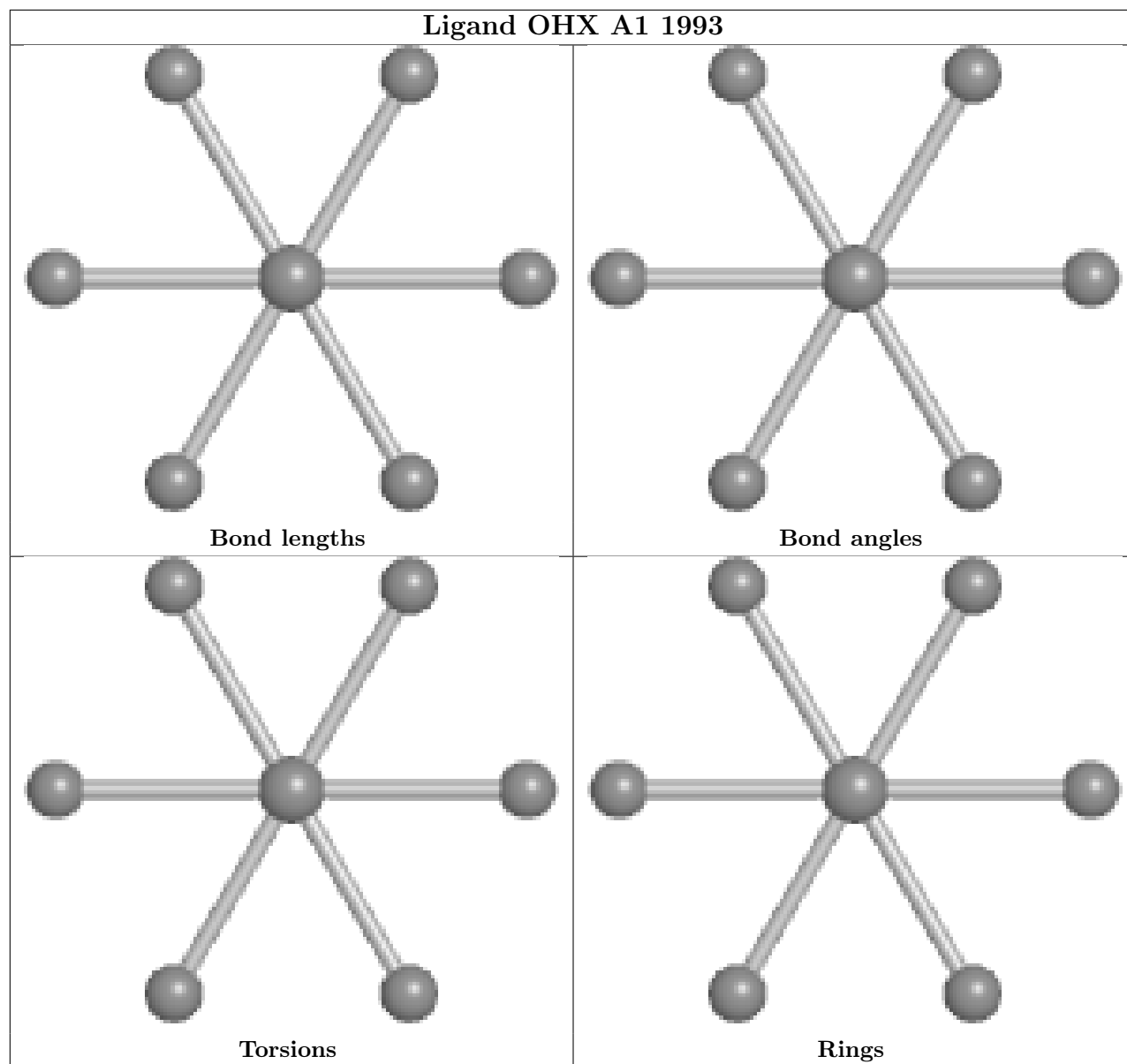


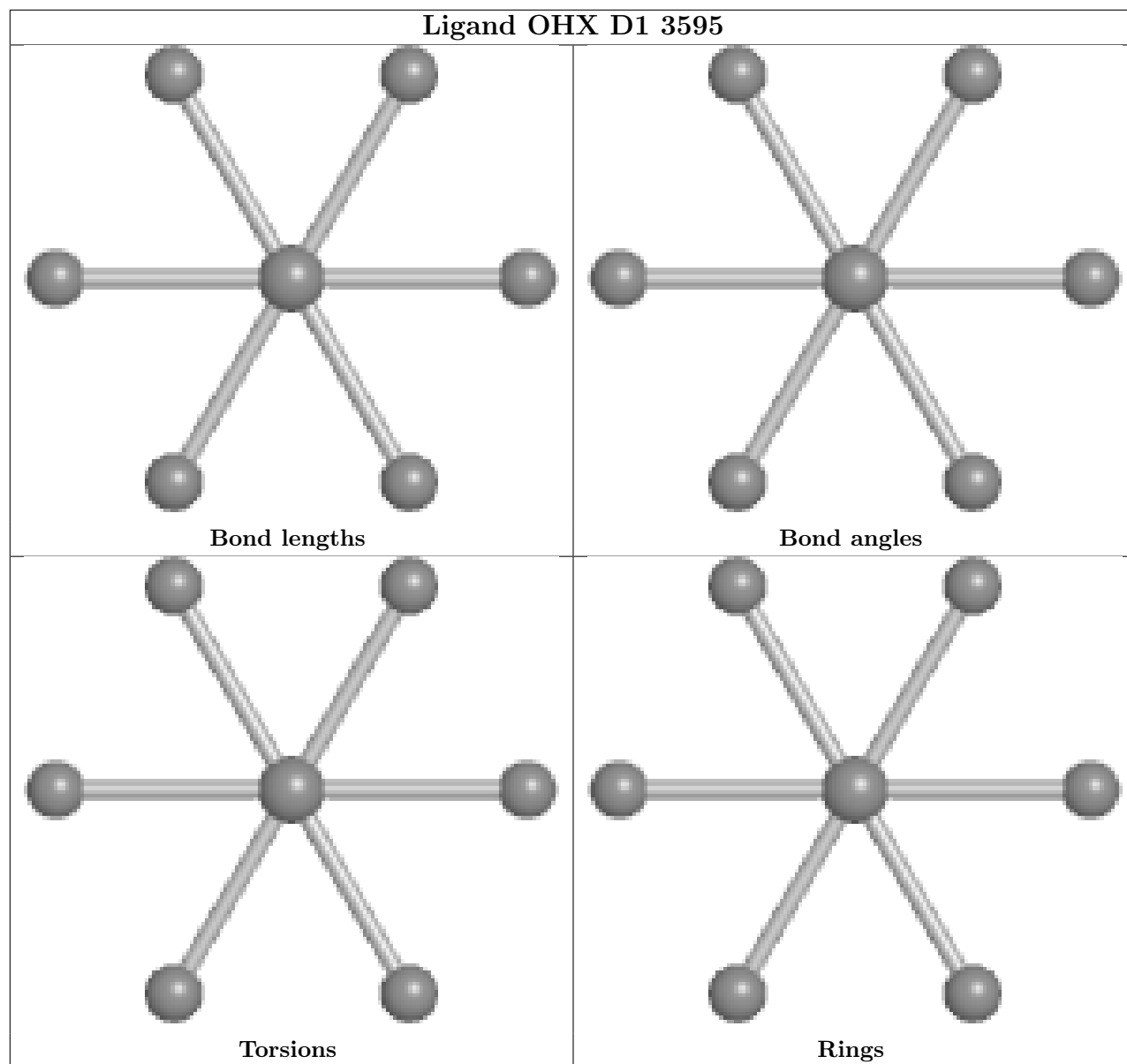


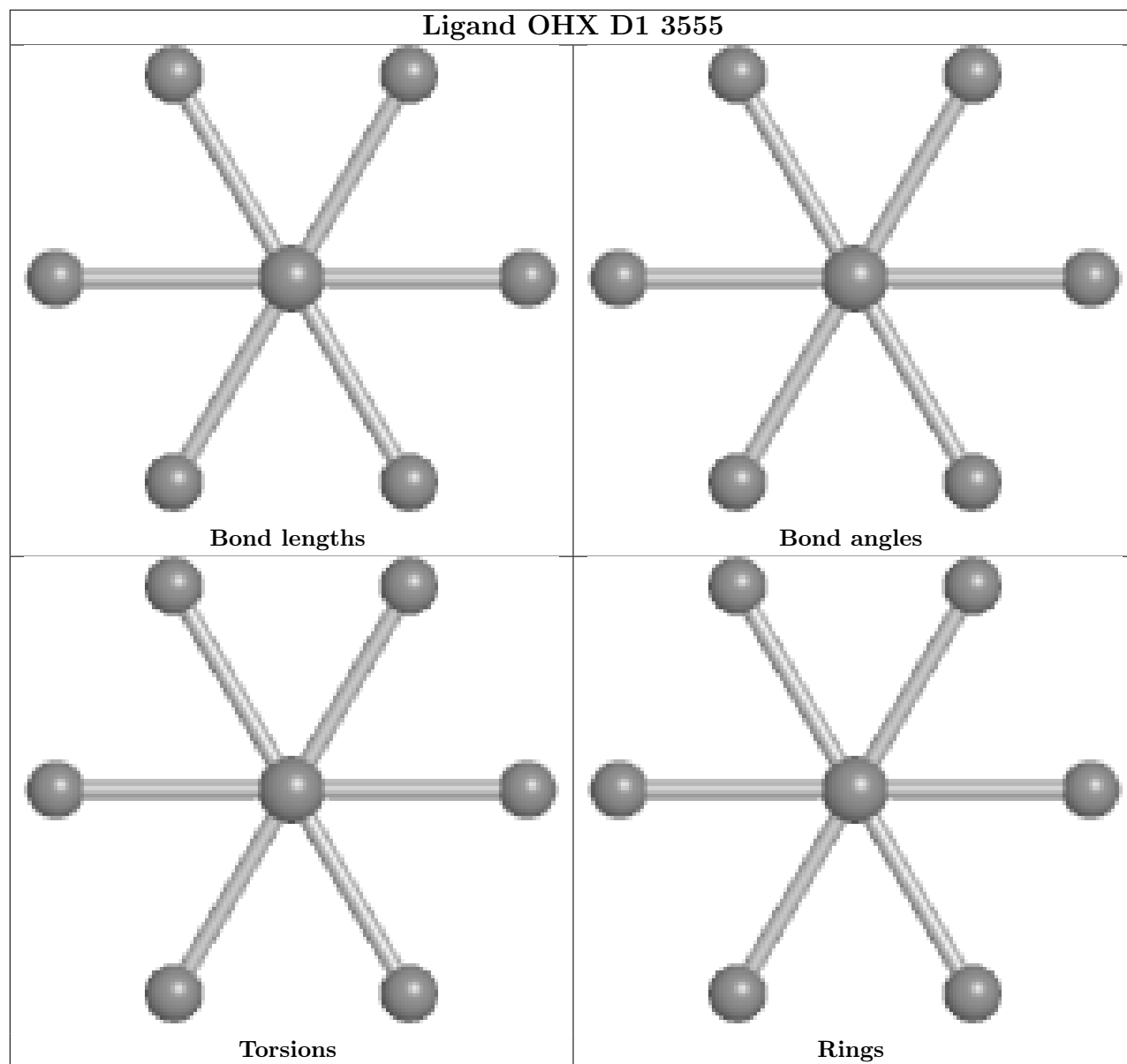


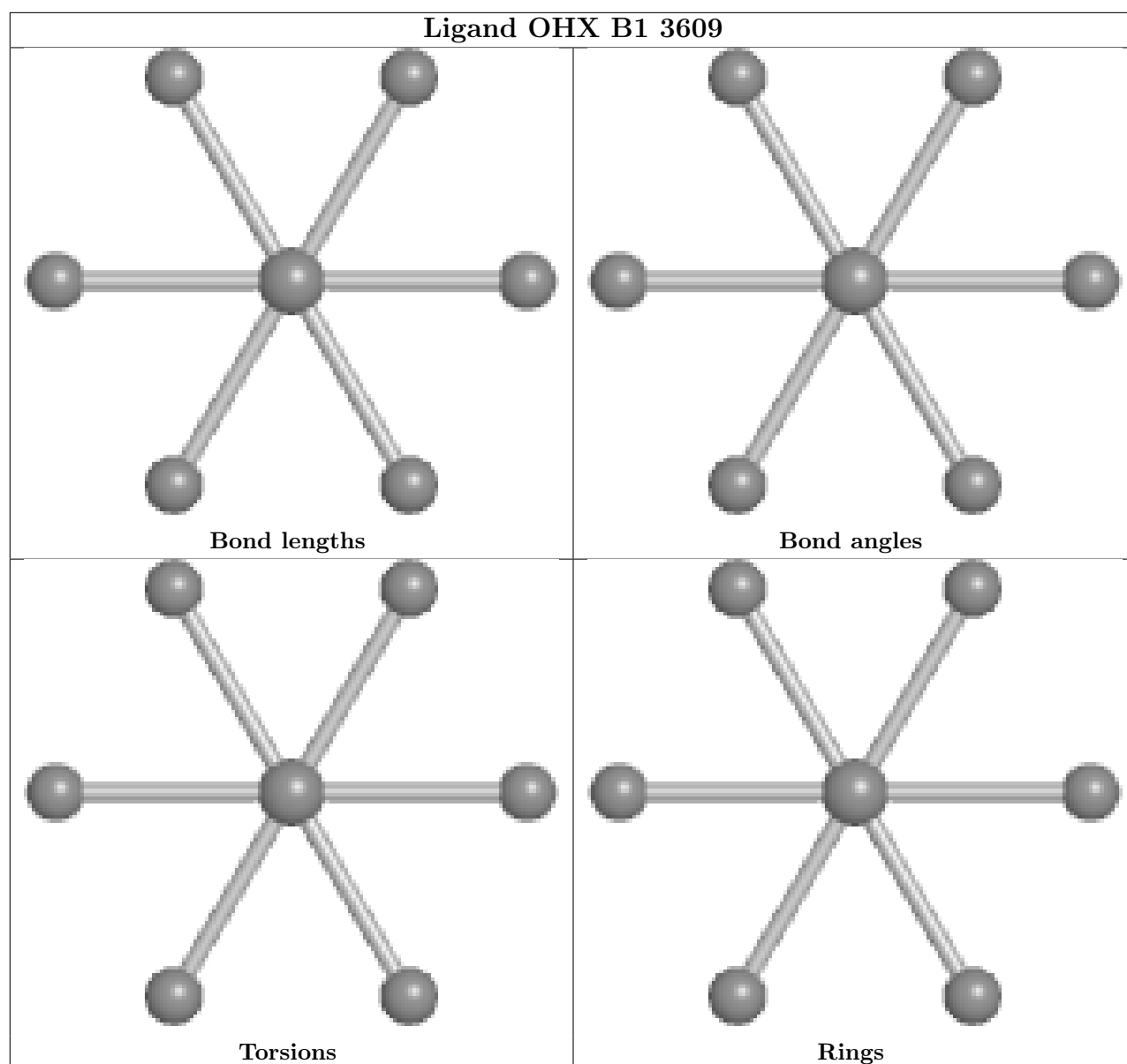


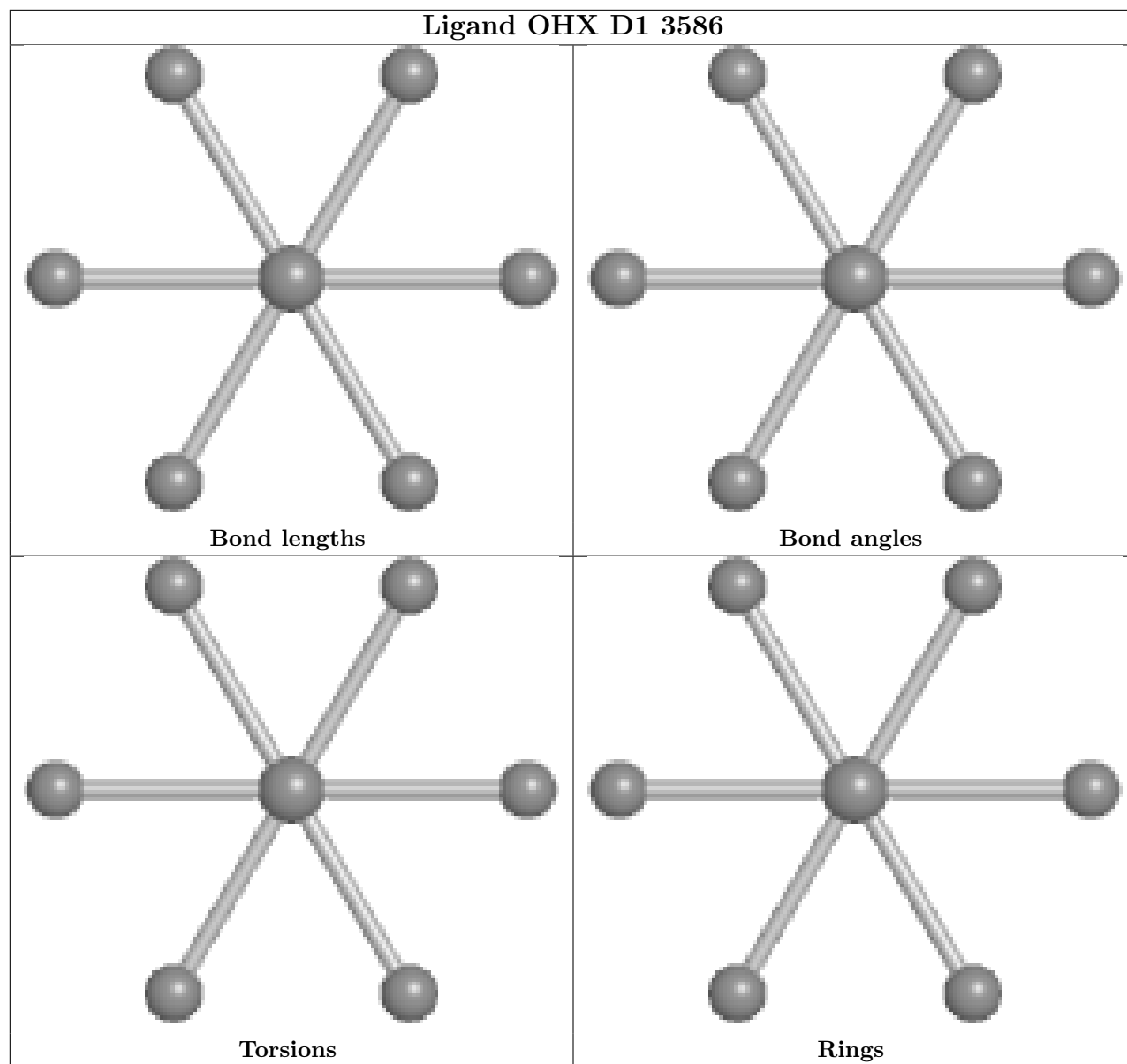


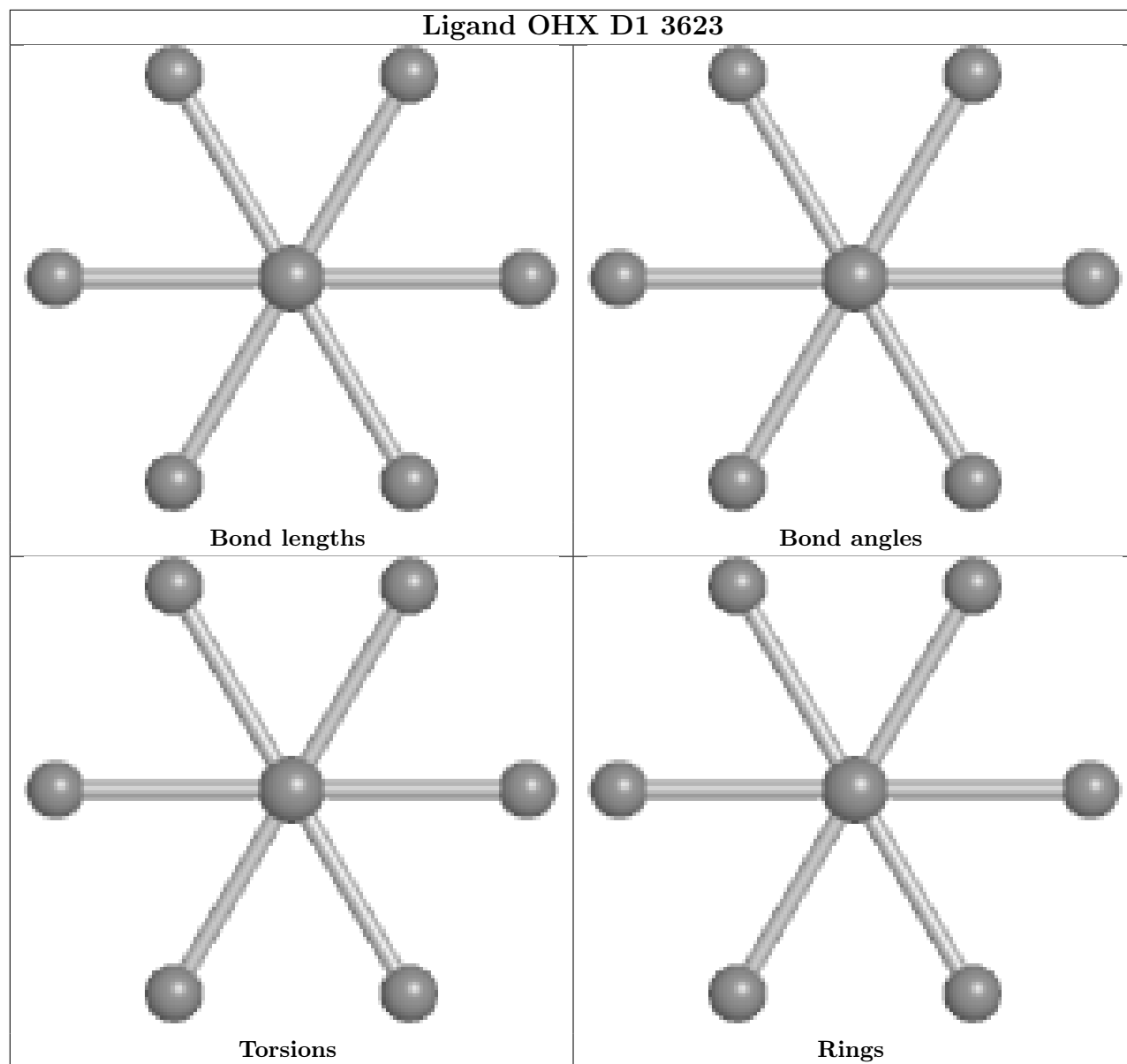


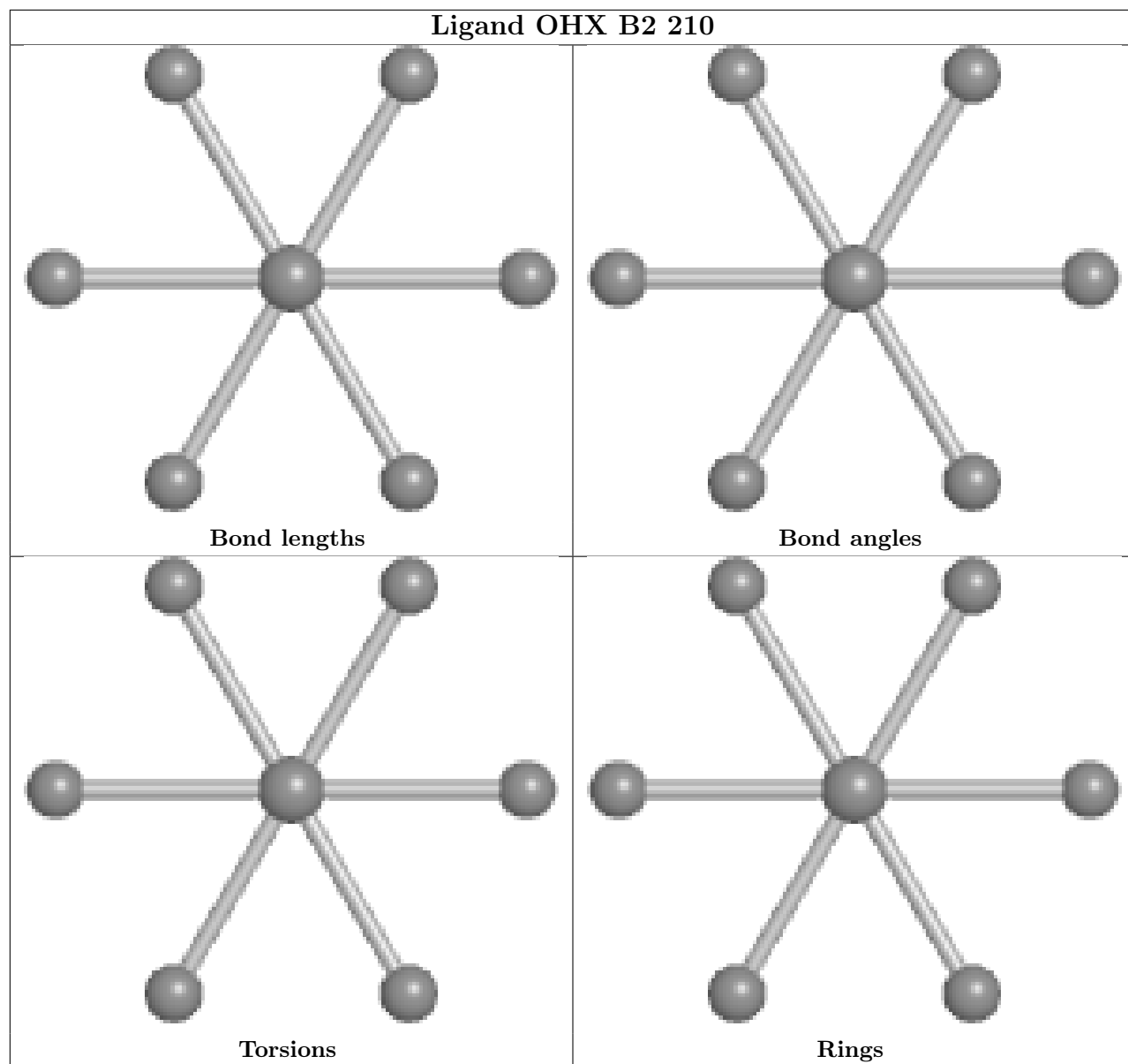


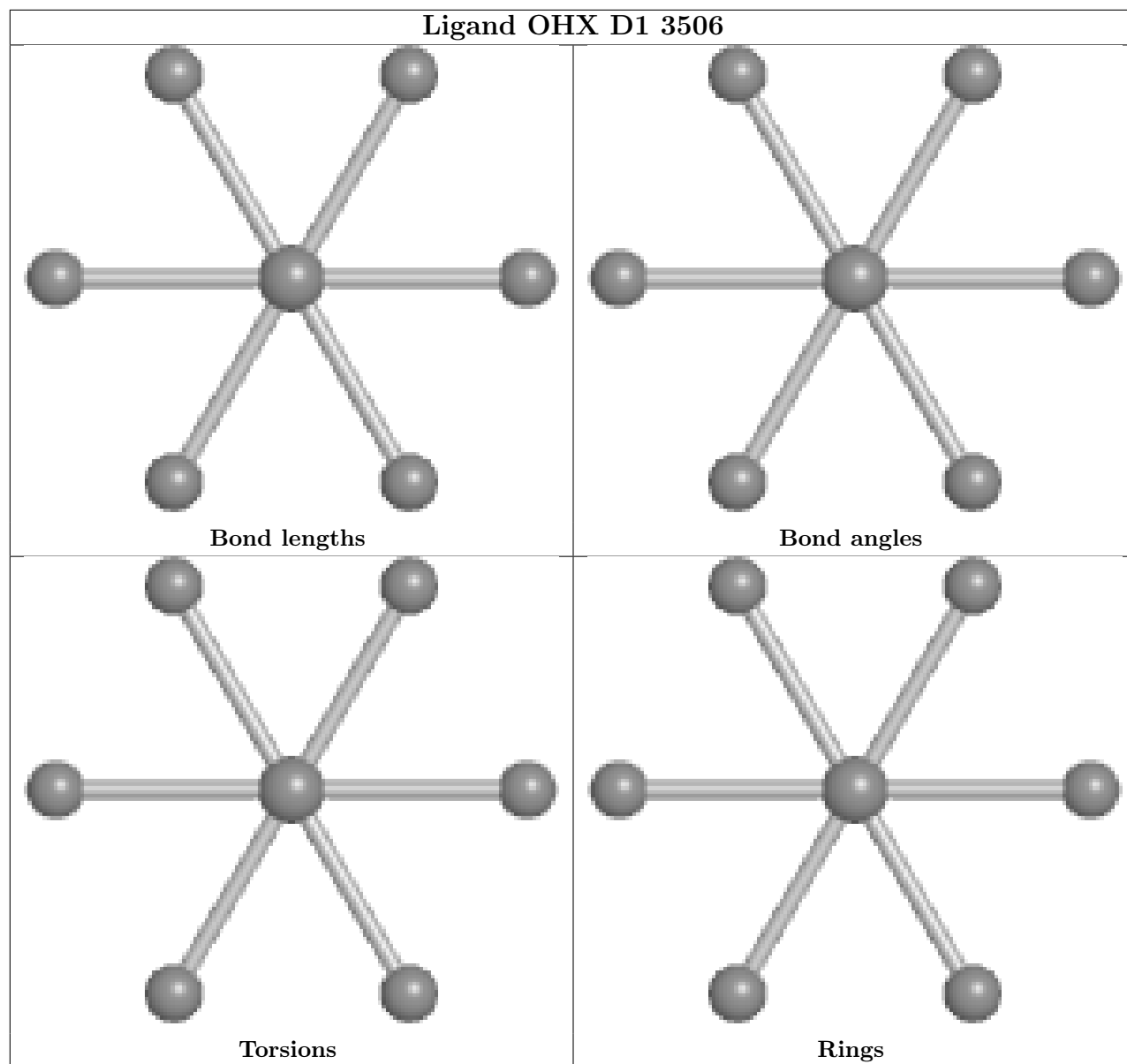


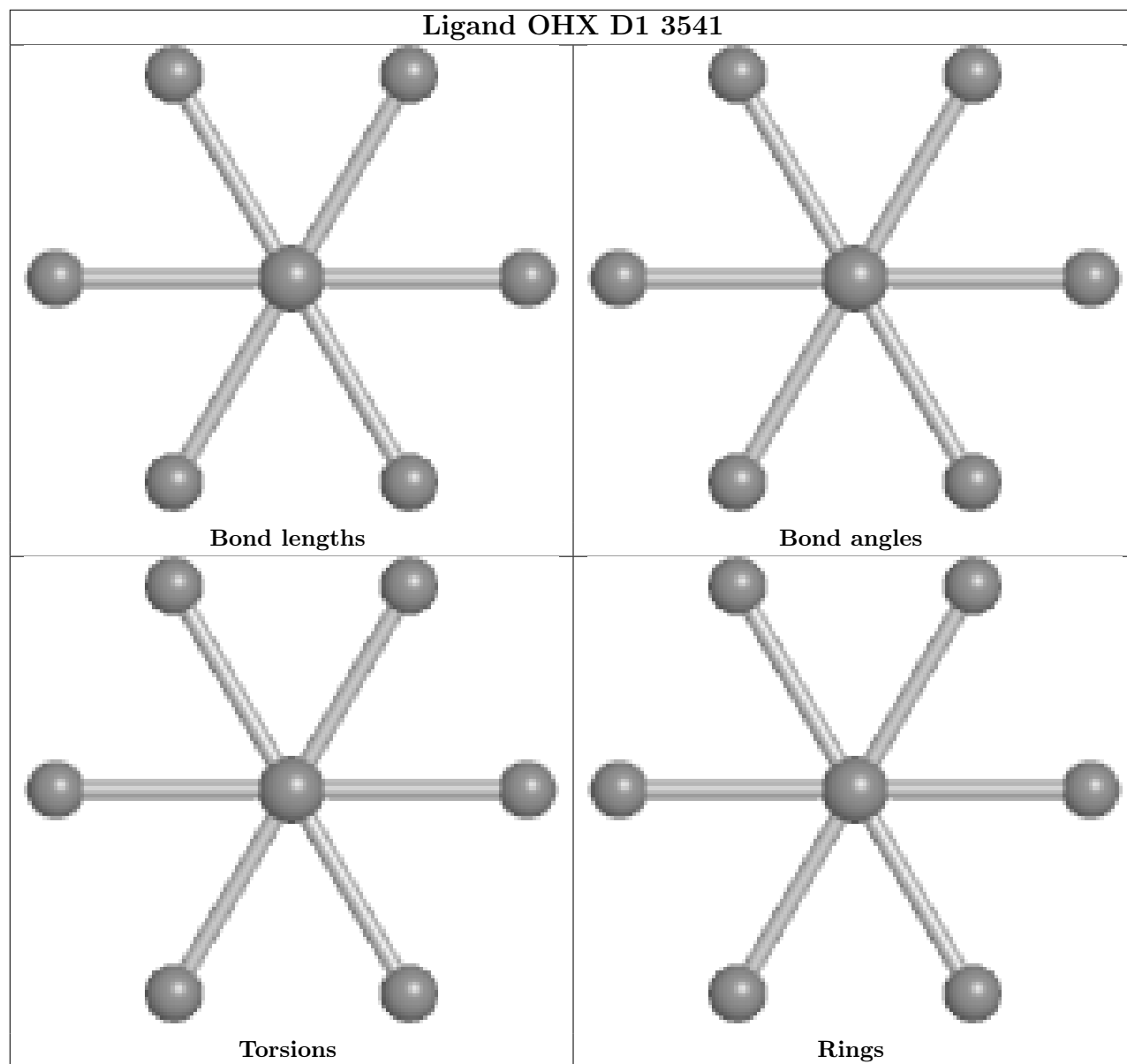


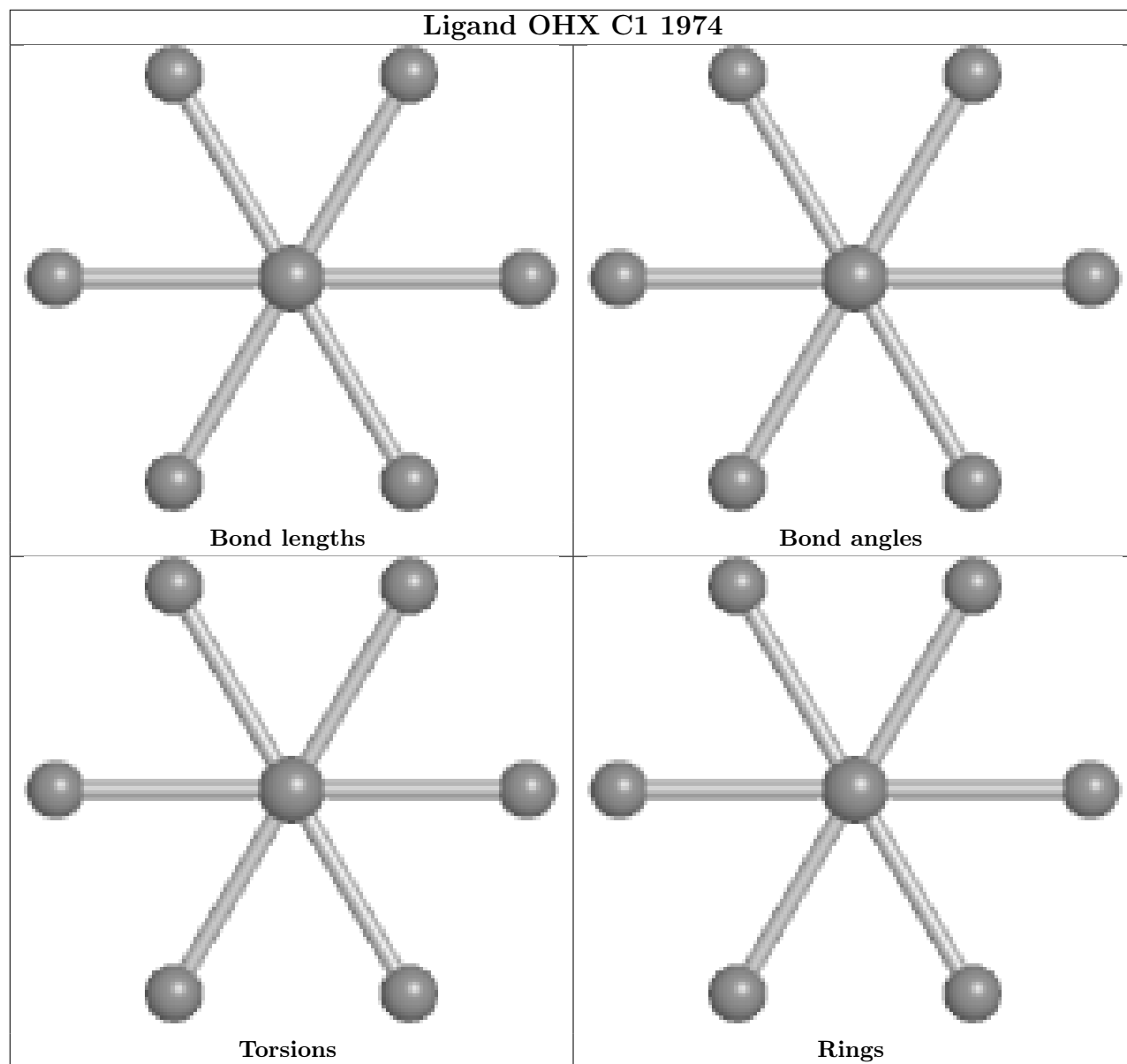


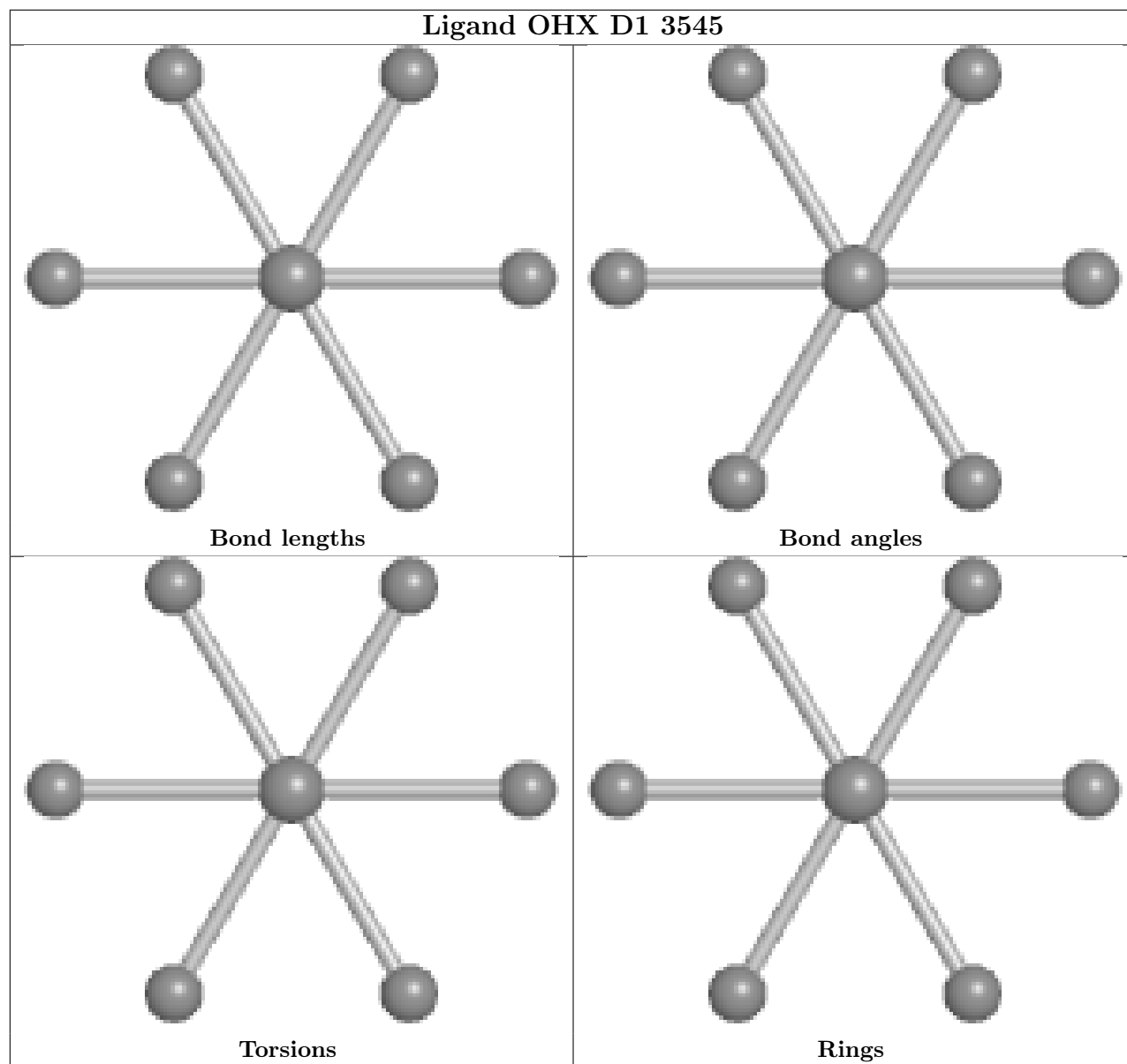


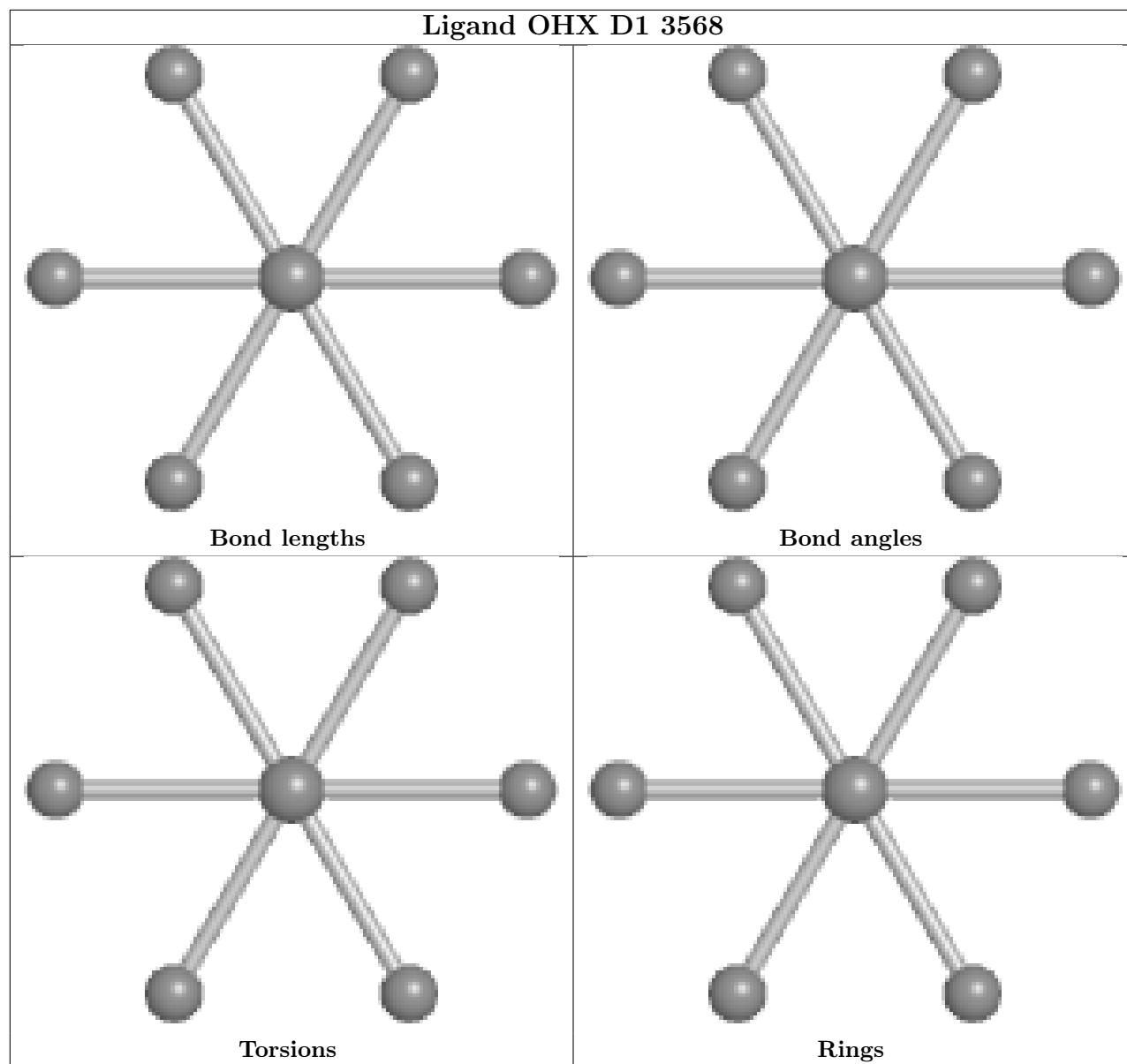


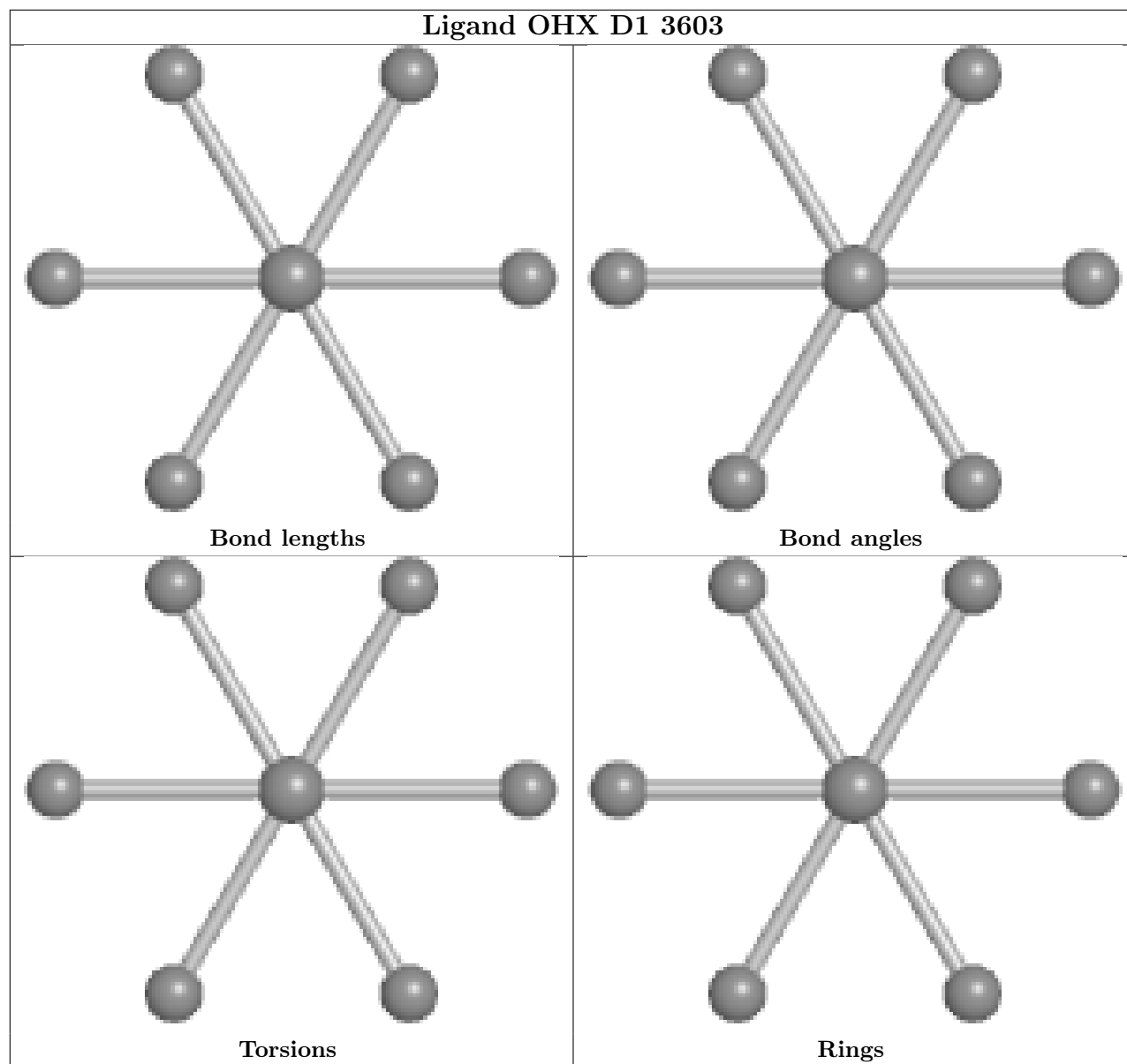


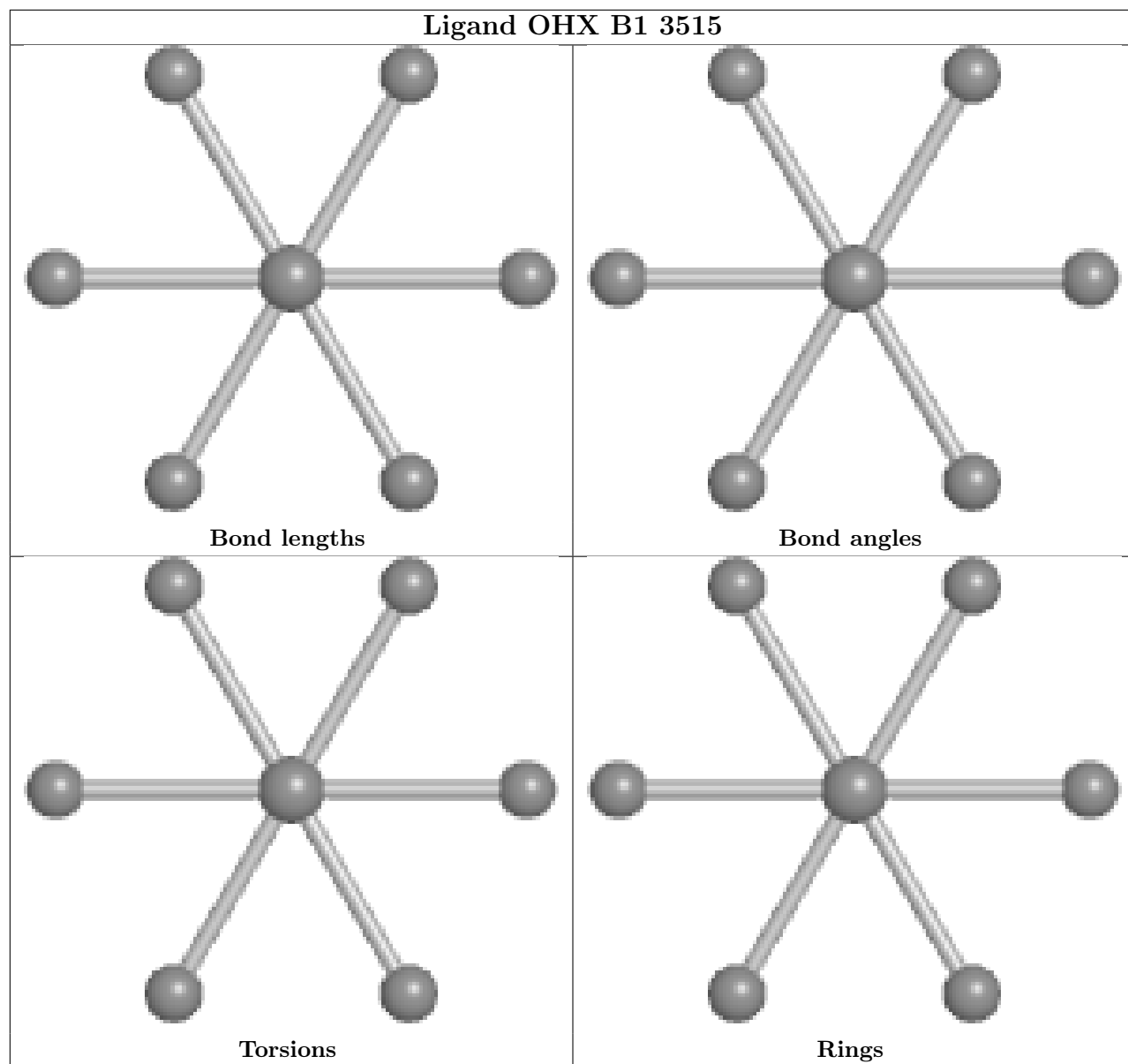


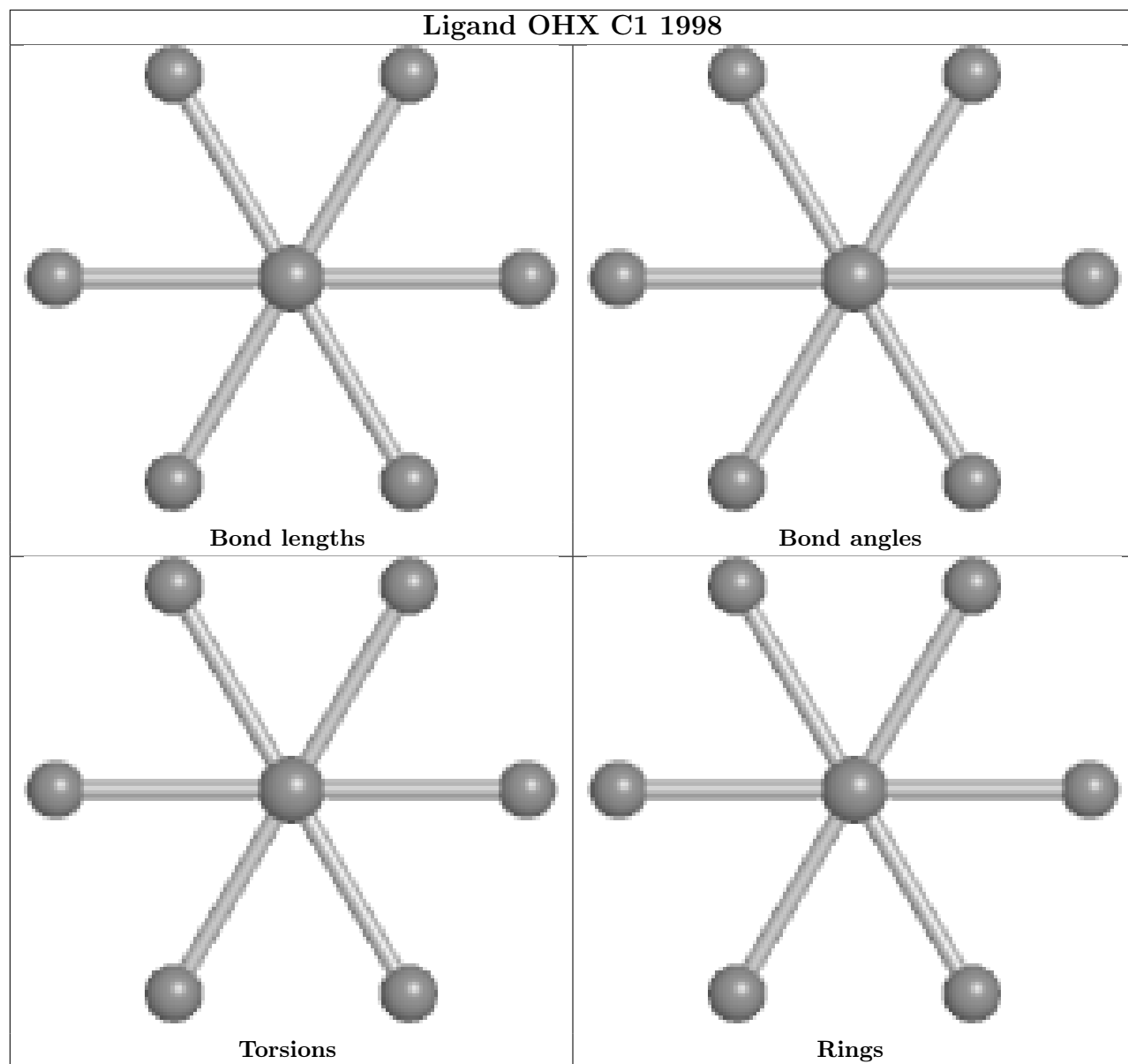


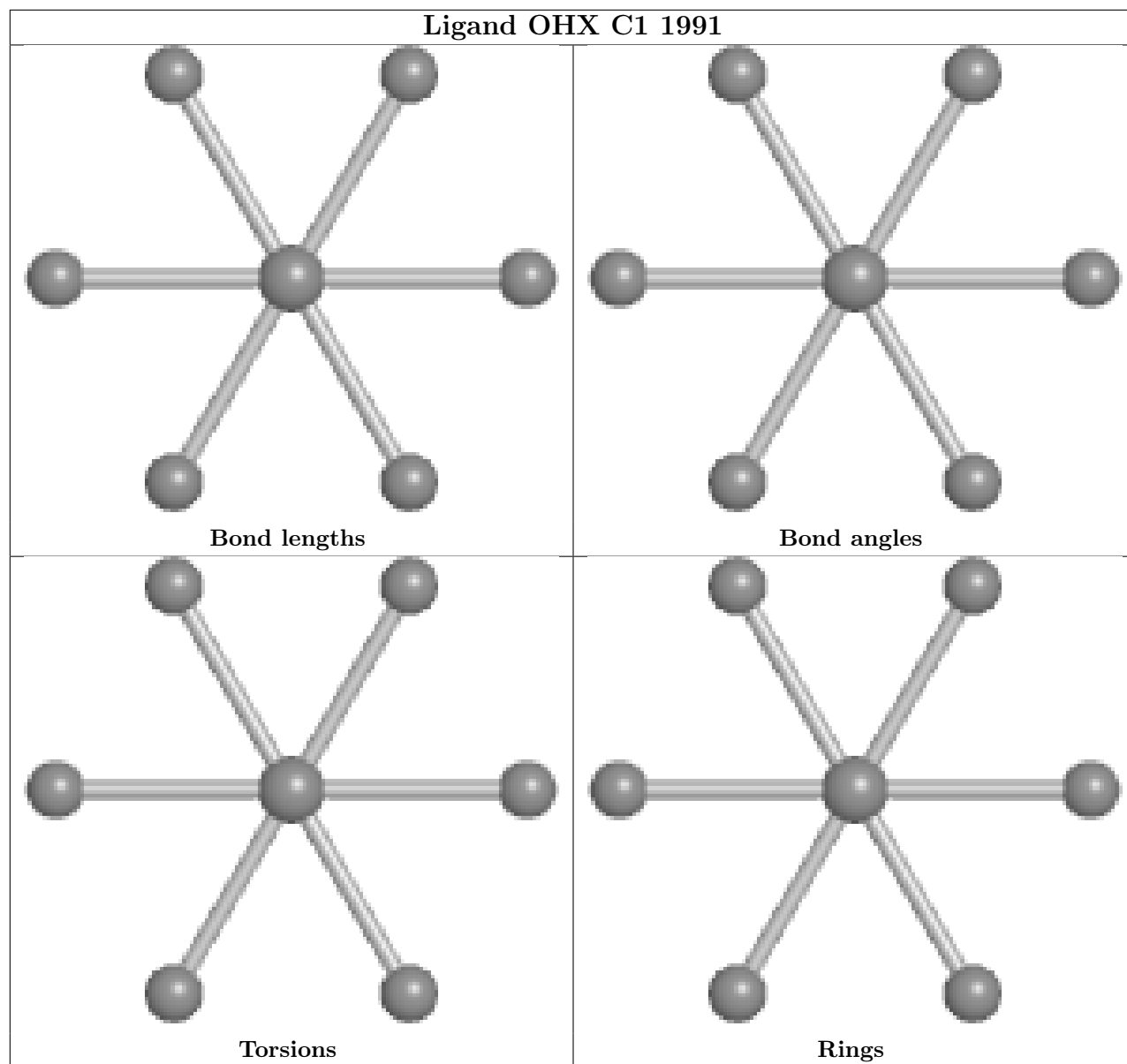


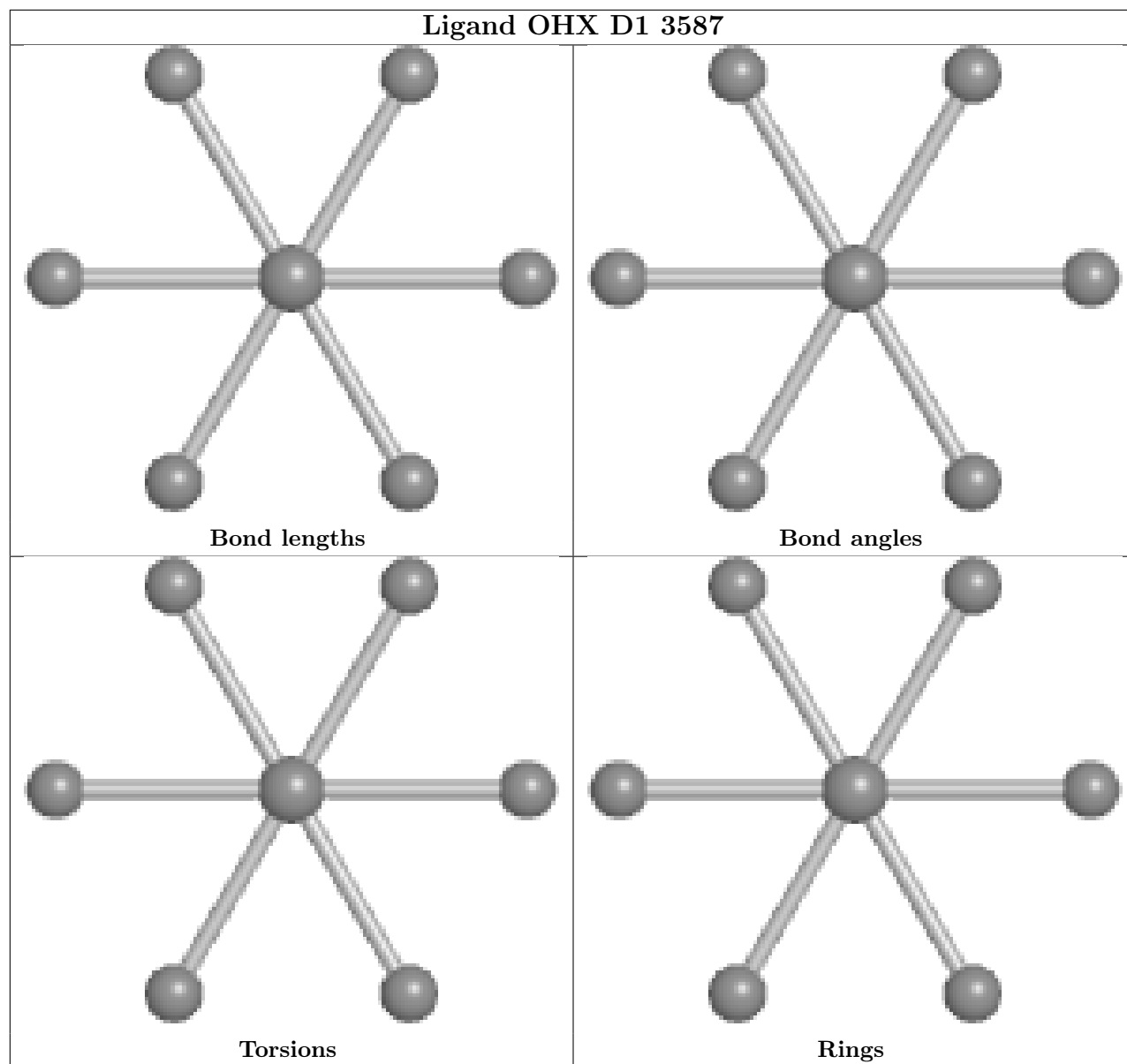


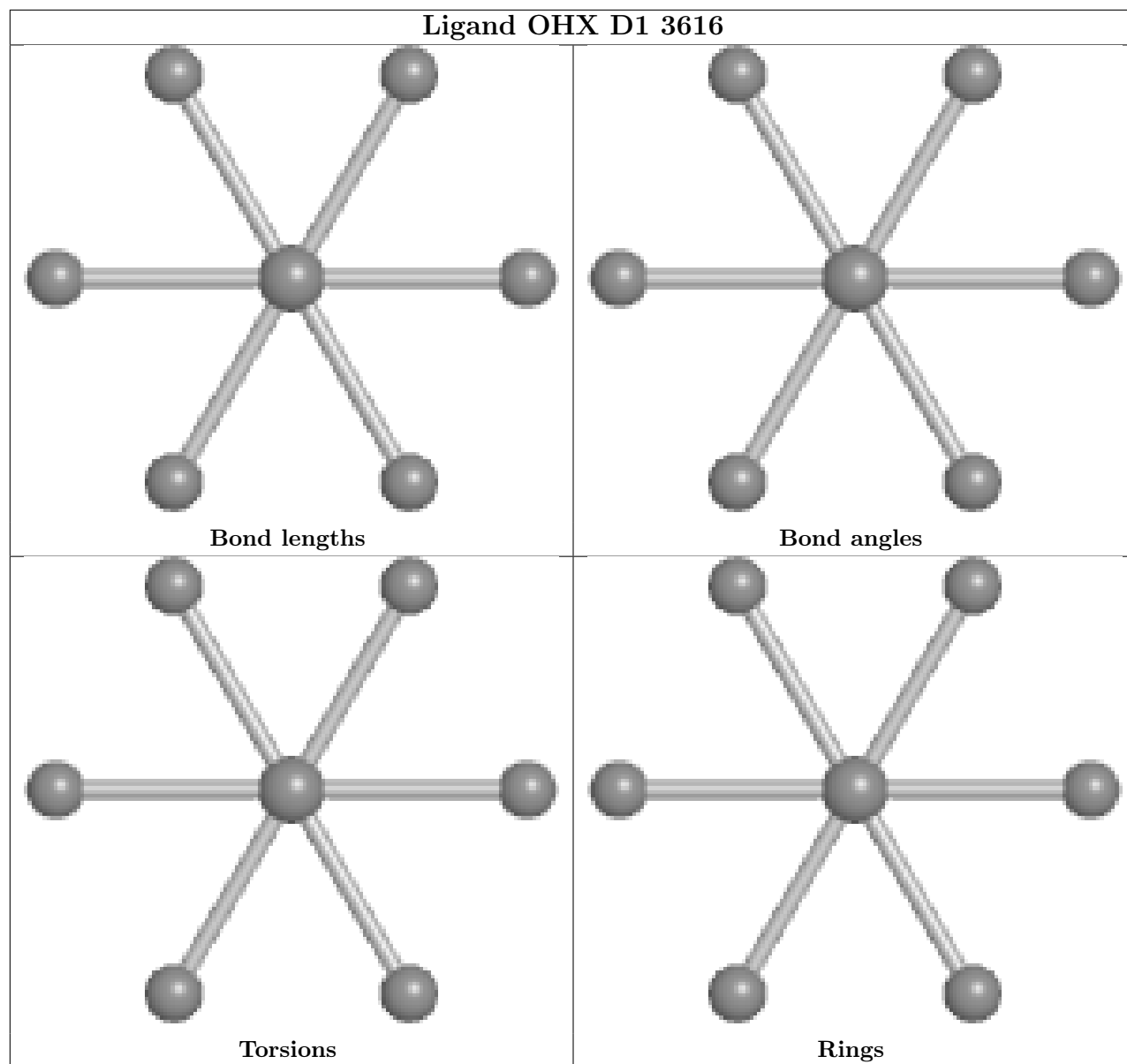


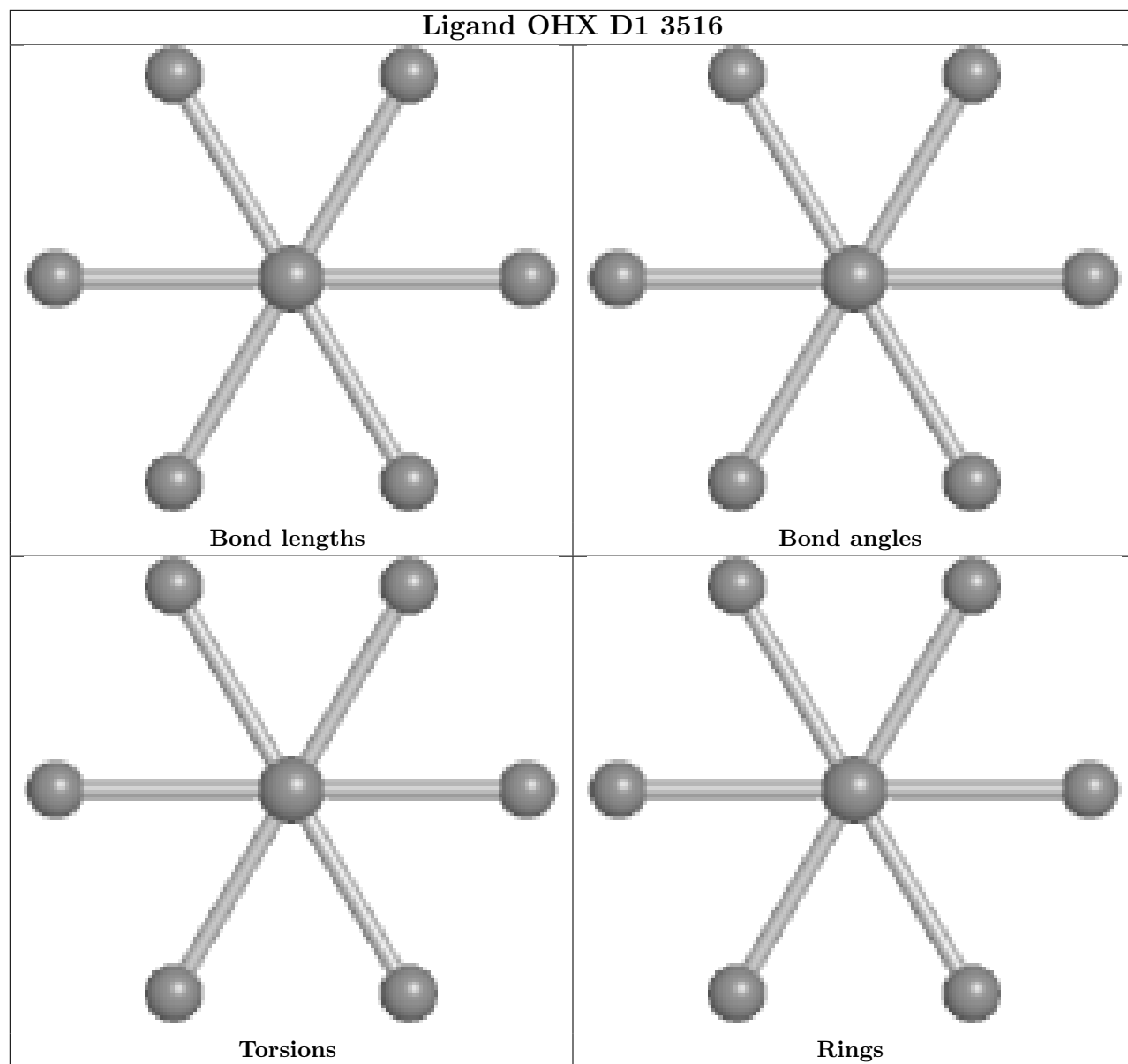


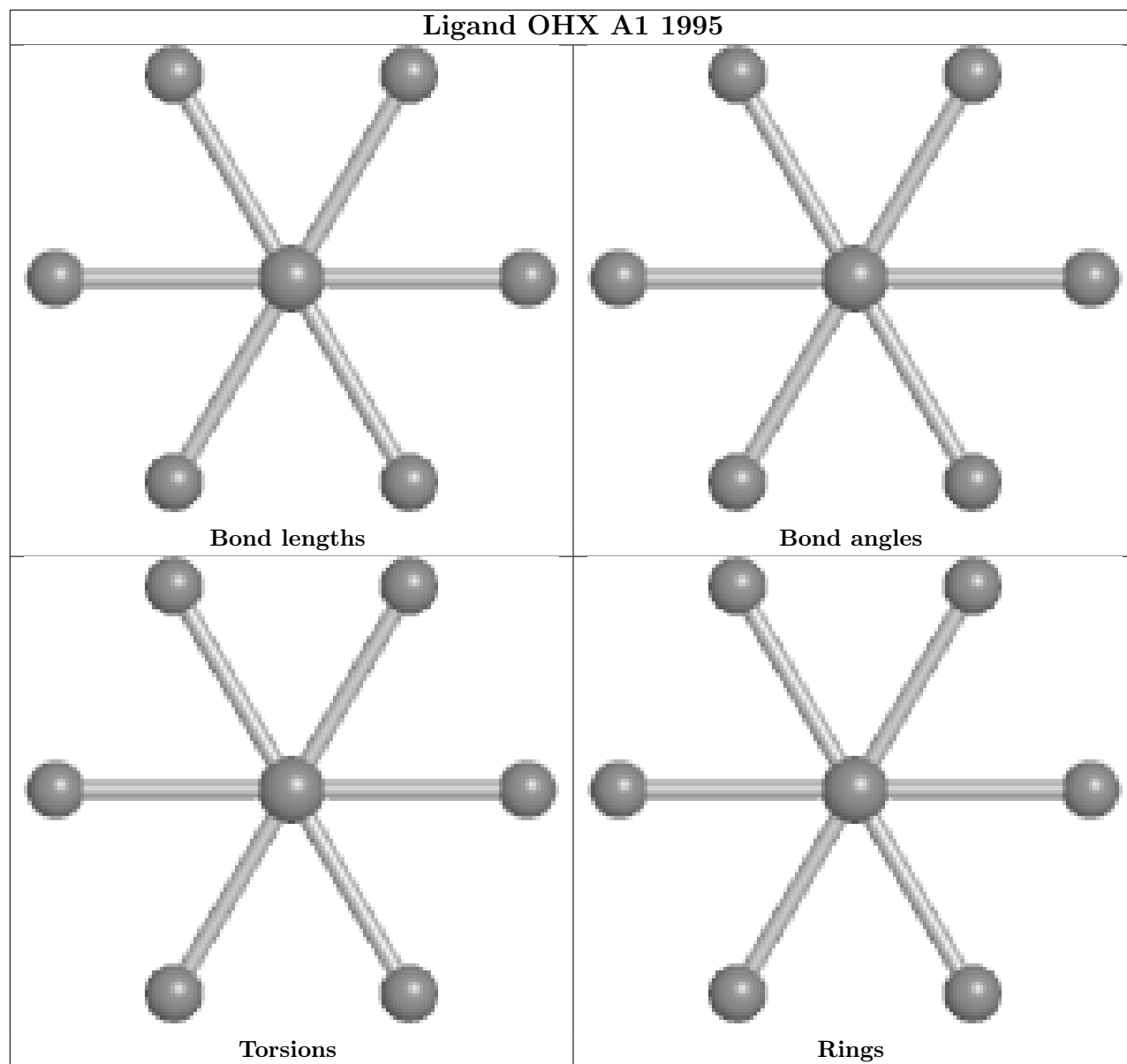


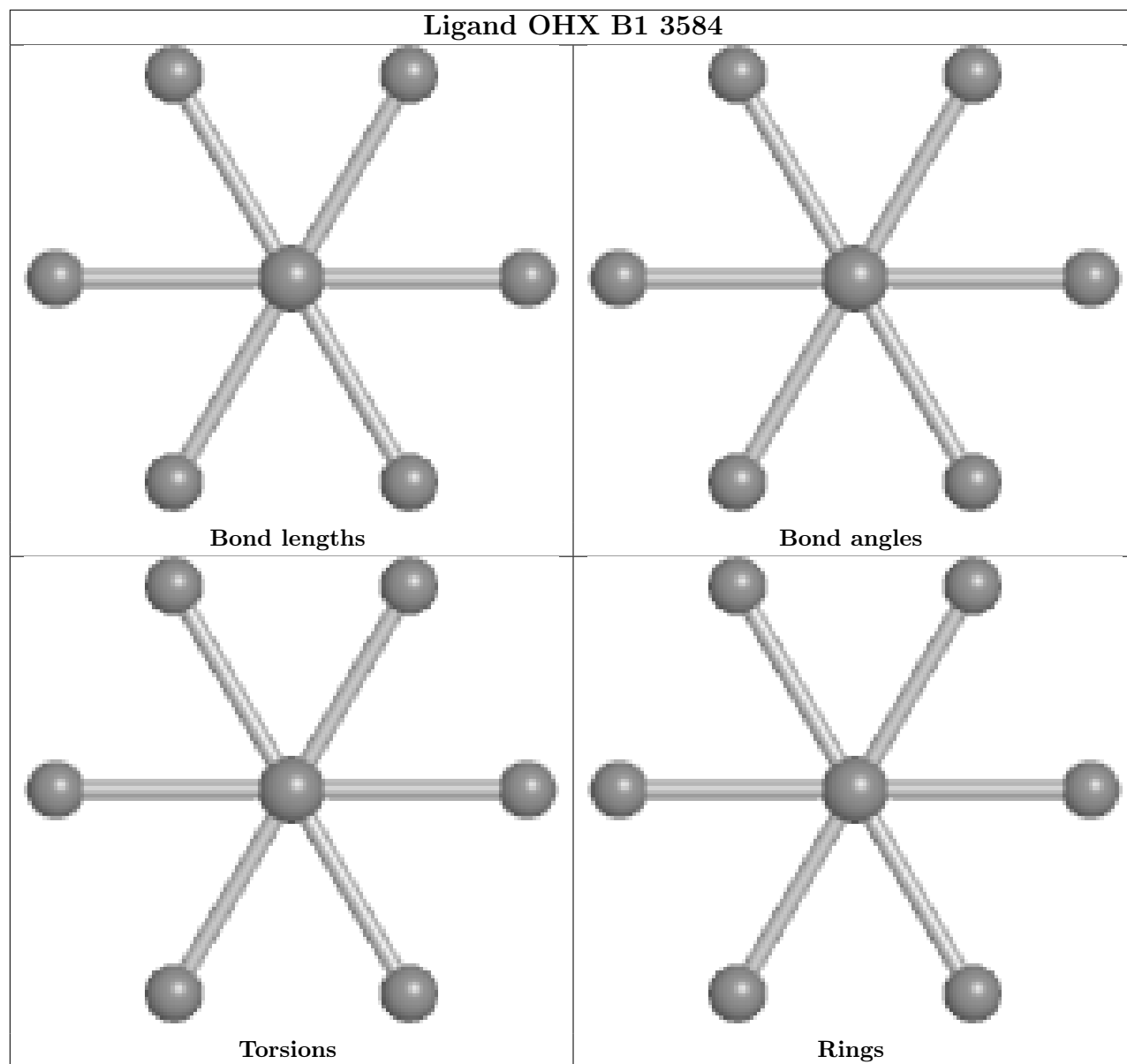


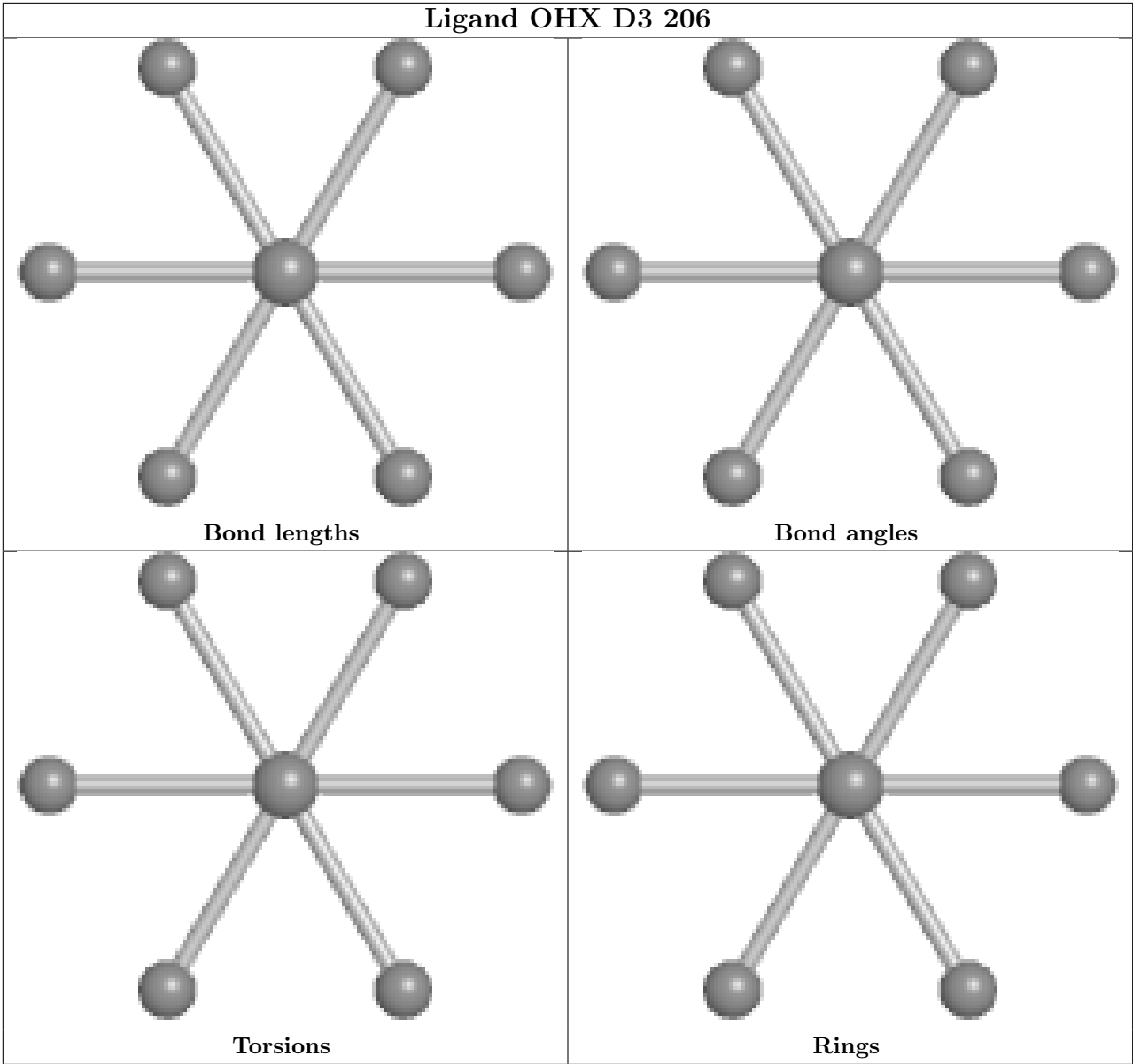












5.7 Other polymers ⓘ

There are no such residues in this entry.

5.8 Polymer linkage issues ⓘ

The following chains have linkage breaks:

Mol	Chain	Number of breaks
23	Ab	4
23	Cb	4
63	Bh	1

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Mol	Chain	Number of breaks
63	Dh	1
28	Ch	1
68	Bn	1
28	Ah	1
24	Cc	1
24	Ac	1

The worst 5 of 15 chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	Bh	23:UNK	C	34:UNK	N	29.25
1	Dh	23:UNK	C	34:UNK	N	28.80
1	Ch	25:UNK	C	50:UNK	N	22.77
1	Ab	19:UNK	C	21:UNK	N	20.41
1	Bn	19:UNK	C	27:UNK	N	20.28

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A1	1789/1800 (99%)	0.64	135 (7%) 20 20	45, 138, 429, 753	0
1	C1	1789/1800 (99%)	0.68	135 (7%) 20 20	42, 120, 419, 674	0
2	AA	220/252 (87%)	1.20	51 (23%) 2 4	64, 150, 323, 474	0
2	CA	220/252 (87%)	1.04	42 (19%) 3 6	66, 119, 336, 538	0
3	AB	219/254 (86%)	0.90	35 (15%) 5 8	42, 117, 298, 500	0
3	CB	219/254 (86%)	0.93	41 (18%) 3 6	50, 108, 288, 386	0
4	AC	189/240 (78%)	0.96	35 (18%) 3 6	52, 120, 278, 403	0
4	CC	189/240 (78%)	0.74	26 (13%) 6 10	41, 120, 262, 460	0
5	AD	169/225 (75%)	0.95	33 (19%) 3 6	58, 150, 355, 516	0
5	CD	169/225 (75%)	1.27	46 (27%) 1 3	33, 108, 269, 383	0
6	AE	157/197 (79%)	1.11	30 (19%) 3 6	44, 140, 362, 438	0
6	CE	157/197 (79%)	0.95	30 (19%) 3 6	31, 99, 330, 482	0
7	AF	77/156 (49%)	1.17	19 (24%) 2 4	45, 95, 205, 412	0
7	CF	77/156 (49%)	1.96	30 (38%) 1 2	56, 91, 267, 342	0
8	AG	117/151 (77%)	0.68	23 (19%) 3 5	35, 108, 284, 362	0
8	CG	117/151 (77%)	1.01	25 (21%) 2 5	46, 97, 263, 458	0
9	AH	128/137 (93%)	1.35	38 (29%) 1 3	53, 186, 349, 436	0
9	CH	128/137 (93%)	1.18	36 (28%) 1 3	39, 132, 354, 482	0
10	AI	121/142 (85%)	1.07	30 (24%) 2 4	55, 140, 329, 419	0
10	CI	121/142 (85%)	1.61	43 (35%) 1 2	46, 116, 273, 447	0
11	AJ	134/143 (93%)	1.08	32 (23%) 2 4	74, 144, 302, 340	0
11	CJ	134/143 (93%)	1.37	36 (26%) 1 3	44, 99, 288, 381	0
12	AK	67/136 (49%)	0.96	11 (16%) 4 8	52, 142, 319, 407	0
12	CK	67/136 (49%)	1.97	28 (41%) 0 1	64, 199, 350, 401	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
13	AL	120/146 (82%)	1.07	28 (23%)	2	4	55, 146, 298, 514	0
13	CL	120/146 (82%)	0.94	24 (20%)	3	5	52, 96, 293, 519	0
14	AM	106/144 (73%)	0.75	16 (15%)	5	9	71, 138, 348, 425	0
14	CM	106/144 (73%)	0.97	21 (19%)	3	5	42, 81, 260, 338	0
15	AN	111/121 (91%)	1.75	39 (35%)	1	2	68, 129, 336, 412	0
15	CN	111/121 (91%)	1.19	30 (27%)	1	3	32, 111, 286, 424	0
16	AO	127/130 (97%)	0.75	20 (15%)	5	9	53, 95, 256, 411	0
16	CO	127/130 (97%)	0.90	20 (15%)	5	9	54, 91, 229, 441	0
17	AP	116/145 (80%)	1.10	26 (22%)	2	4	29, 95, 247, 384	0
17	CP	116/145 (80%)	1.08	23 (19%)	3	5	29, 71, 190, 418	0
18	AQ	67/108 (62%)	1.13	11 (16%)	4	8	94, 210, 332, 355	0
18	CQ	63/108 (58%)	1.74	25 (39%)	1	1	68, 150, 282, 307	0
19	AR	47/67 (70%)	1.27	11 (23%)	2	4	107, 245, 393, 457	0
19	CR	47/67 (70%)	1.75	14 (29%)	1	3	51, 221, 381, 425	0
20	AS	39/56 (69%)	1.45	11 (28%)	1	3	58, 108, 181, 260	0
20	CS	39/56 (69%)	0.99	4 (10%)	12	14	37, 95, 140, 292	0
21	AT	313/319 (98%)	1.33	76 (24%)	2	4	106, 195, 286, 348	0
21	CT	313/319 (98%)	1.53	90 (28%)	1	3	67, 158, 257, 328	0
22	Aa	0/20	-	-			-	-
22	Bo	0/20	-	-			-	-
22	Ca	0/20	-	-			-	-
23	Ab	0/105	-	-			-	-
23	Cb	0/105	-	-			-	-
24	Ac	0/93	-	-			-	-
24	Cc	0/93	-	-			-	-
25	Ad	0/35	-	-			-	-
25	Cd	0/35	-	-			-	-
26	Ae	0/21	-	-			-	-
26	Bj	0/21	-	-			-	-
26	Dj	0/21	-	-			-	-
27	Af	0/11	-	-			-	-
28	Ah	0/41	-	-			-	-
28	Ch	0/41	-	-			-	-
29	B1	3206/3396 (94%)	0.48	178 (5%)	30	26	33, 86, 395, 634	0
29	D1	3206/3396 (94%)	0.53	224 (6%)	22	21	30, 94, 427, 674	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
30	B2	121/121 (100%)	0.56	8 (6%) 24 22	46, 118, 189, 323	0
30	D2	121/121 (100%)	0.61	11 (9%) 15 17	36, 95, 180, 349	0
31	B3	158/158 (100%)	0.46	10 (6%) 26 23	46, 108, 258, 619	0
31	D3	158/158 (100%)	0.71	16 (10%) 12 14	59, 136, 358, 586	0
32	BA	213/217 (98%)	1.14	40 (18%) 3 6	137, 327, 441, 483	0
32	DA	213/217 (98%)	1.14	43 (20%) 3 5	159, 354, 442, 484	0
33	BB	234/254 (92%)	1.45	70 (29%) 1 3	25, 83, 246, 419	0
33	DB	234/254 (92%)	1.52	80 (34%) 1 2	54, 108, 254, 417	0
34	BC	364/387 (94%)	1.03	77 (21%) 2 5	20, 66, 216, 560	0
34	DC	364/387 (94%)	0.95	67 (18%) 3 6	29, 58, 208, 543	0
35	BD	268/362 (74%)	0.90	45 (16%) 4 7	34, 70, 207, 500	0
35	DD	268/362 (74%)	1.30	64 (23%) 2 4	50, 102, 274, 463	0
36	BE	287/297 (96%)	1.39	82 (28%) 1 3	58, 119, 355, 497	0
36	DE	287/297 (96%)	1.09	64 (22%) 2 4	38, 91, 302, 478	0
37	BF	176/176 (100%)	1.02	38 (21%) 2 4	25, 81, 305, 519	0
37	DF	176/176 (100%)	1.29	46 (26%) 1 4	31, 69, 342, 518	0
38	BG	215/244 (88%)	0.39	20 (9%) 14 16	21, 59, 226, 486	0
38	DG	215/244 (88%)	0.45	15 (6%) 22 21	25, 49, 167, 330	0
39	BH	173/256 (67%)	1.07	41 (23%) 2 4	45, 110, 297, 429	0
39	DH	173/256 (67%)	1.30	45 (26%) 1 4	70, 146, 316, 422	0
40	BI	191/191 (100%)	1.08	38 (19%) 3 5	27, 83, 237, 347	0
40	DI	191/191 (100%)	0.18	11 (5%) 29 25	22, 49, 164, 286	0
41	BJ	208/221 (94%)	1.34	56 (26%) 1 3	39, 93, 251, 452	0
41	DJ	208/221 (94%)	0.96	41 (19%) 3 5	25, 64, 257, 456	0
42	BK	165/174 (94%)	1.50	45 (27%) 1 3	56, 125, 348, 497	0
42	DK	165/174 (94%)	1.32	41 (24%) 2 4	45, 97, 330, 532	0
43	BN	120/138 (86%)	1.07	29 (24%) 2 4	34, 77, 260, 387	0
43	DN	120/138 (86%)	0.96	21 (17%) 4 7	33, 60, 262, 325	0
44	BO	187/204 (91%)	1.26	48 (25%) 1 4	38, 86, 178, 383	0
44	DO	187/204 (91%)	1.72	72 (38%) 1 2	57, 119, 255, 327	0
45	BP	196/199 (98%)	0.37	18 (9%) 14 17	23, 48, 152, 409	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
45	DP	196/199 (98%)	0.51	14 (7%) 22 21	23, 45, 111, 424	0
46	BQ	154/184 (83%)	0.81	23 (14%) 5 9	30, 55, 144, 337	0
46	DQ	154/184 (83%)	0.90	32 (20%) 2 5	37, 77, 243, 373	0
47	BR	143/186 (76%)	0.75	20 (13%) 6 10	38, 70, 200, 421	0
47	DR	143/186 (76%)	1.36	37 (25%) 1 4	60, 87, 244, 378	0
48	BS	188/189 (99%)	1.02	42 (22%) 2 4	52, 101, 419, 569	0
48	DS	188/189 (99%)	1.49	59 (31%) 1 3	59, 109, 589, 657	0
49	BT	119/160 (74%)	1.12	27 (22%) 2 4	42, 73, 221, 310	0
49	DT	119/160 (74%)	1.12	24 (20%) 3 5	36, 72, 184, 282	0
50	BU	129/137 (94%)	1.02	23 (17%) 4 6	27, 70, 208, 391	0
50	DU	129/137 (94%)	0.60	13 (10%) 12 14	20, 48, 151, 235	0
51	BV	59/155 (38%)	1.08	14 (23%) 2 4	29, 84, 259, 363	0
51	DV	59/155 (38%)	0.85	6 (10%) 12 14	53, 73, 197, 320	0
52	BW	94/142 (66%)	1.33	25 (26%) 1 4	53, 91, 211, 312	0
52	DW	94/142 (66%)	1.36	24 (25%) 1 4	64, 124, 247, 337	0
53	BX	107/127 (84%)	0.69	16 (14%) 5 9	58, 91, 182, 233	0
53	DX	107/127 (84%)	1.19	21 (19%) 3 5	56, 106, 248, 361	0
54	BY	149/149 (100%)	1.57	45 (30%) 1 3	30, 76, 331, 456	0
54	DY	149/149 (100%)	1.56	47 (31%) 1 3	49, 95, 277, 409	0
55	BZ	98/105 (93%)	0.96	16 (16%) 4 8	52, 128, 269, 360	0
55	DZ	98/105 (93%)	0.93	18 (18%) 3 6	56, 134, 272, 365	0
56	Ba	86/113 (76%)	0.95	19 (22%) 2 4	38, 83, 232, 396	0
56	Da	86/113 (76%)	1.19	25 (29%) 1 3	51, 82, 274, 430	0
57	Bb	125/130 (96%)	0.82	22 (17%) 4 7	26, 54, 138, 435	0
57	Db	125/130 (96%)	1.12	27 (21%) 2 4	39, 77, 168, 380	0
58	Bc	68/120 (56%)	0.70	10 (14%) 6 9	46, 89, 202, 381	0
58	Dc	68/120 (56%)	0.66	8 (11%) 9 12	50, 123, 270, 348	0
59	Bd	72/88 (81%)	1.53	22 (30%) 1 3	36, 79, 322, 434	0
59	Dd	72/88 (81%)	1.51	24 (33%) 1 2	30, 103, 268, 336	0
60	Be	48/51 (94%)	0.93	10 (20%) 2 5	30, 72, 159, 290	0
60	De	48/51 (94%)	1.44	13 (27%) 1 3	40, 118, 222, 333	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
61	Bf	95/106 (89%)	1.63	28 (29%) 1 3	57, 145, 363, 475	0
61	Df	95/106 (89%)	2.15	40 (42%) 0 1	62, 195, 389, 486	0
62	Bg	83/92 (90%)	1.13	19 (22%) 2 4	35, 98, 311, 431	0
62	Dg	83/92 (90%)	1.06	19 (22%) 2 4	42, 103, 241, 369	0
63	Bh	0/44	-	-	-	-
63	Dh	0/44	-	-	-	-
64	Bi	0/12	-	-	-	-
64	Di	0/12	-	-	-	-
65	Bk	0/16	-	-	-	-
65	Dk	0/16	-	-	-	-
66	Bl	0/19	-	-	-	-
67	Bm	0/9	-	-	-	-
68	Bn	0/27	-	-	-	-
69	Bp	0/8	-	-	-	-
70	Bq	0/17	-	-	-	-
71	Br	0/23	-	-	-	-
72	DL	138/165 (83%)	1.00	27 (19%) 3 5	84, 172, 387, 465	0
73	DM	130/312 (41%)	1.02	22 (16%) 4 7	47, 121, 305, 409	0
All	All	25728/30002 (85%)	0.88	4064 (15%) 5 9	20, 105, 353, 753	0

The worst 5 of 4064 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
29	B1	136	G	15.9
14	CM	31	PRO	11.8
42	BK	154	THR	11.4
21	CT	212	ALA	11.2
42	DK	152	HIS	10.8

6.2 Non-standard residues in protein, DNA, RNA chains ⓘ

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

6.3 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
74	OHX	C1	1998	7/7	0.26	0.63	129,129,129,129	7
74	OHX	A1	1983	7/7	0.30	0.69	122,122,122,122	7
74	OHX	B1	3554	7/7	0.44	0.50	156,156,156,156	7
74	OHX	B1	3548	7/7	0.46	0.47	153,153,153,153	7
74	OHX	D1	3586	7/7	0.46	0.64	115,115,115,115	7
74	OHX	C1	1989	7/7	0.48	0.53	114,114,114,114	7
74	OHX	B1	3613	7/7	0.51	0.55	93,93,93,93	7
74	OHX	B1	3608	7/7	0.56	0.53	75,75,75,75	7
74	OHX	B1	3599	7/7	0.58	0.40	87,87,87,87	7
74	OHX	D1	3535	7/7	0.59	0.58	142,142,142,142	7
74	OHX	B1	3592	7/7	0.60	0.66	106,106,106,106	7
74	OHX	A1	1993	7/7	0.60	0.43	108,108,108,108	7
74	OHX	B1	3577	7/7	0.62	0.57	148,148,148,148	7
74	OHX	D1	3564	7/7	0.62	0.40	85,85,85,85	7
74	OHX	D1	3490	7/7	0.62	0.39	167,167,167,167	7
74	OHX	D1	3616	7/7	0.62	0.43	150,150,150,150	7
74	OHX	D1	3601	7/7	0.63	0.67	99,99,99,99	7
74	OHX	A1	1964	7/7	0.63	0.40	85,85,85,85	7
74	OHX	B1	3552	7/7	0.64	0.39	138,138,138,138	7
74	OHX	D1	3605	7/7	0.64	0.52	93,93,93,93	7
74	OHX	B1	3600	7/7	0.64	0.36	135,135,135,135	7
74	OHX	C1	1974	7/7	0.65	0.45	118,118,118,118	7
74	OHX	A1	1966	7/7	0.65	0.43	120,120,120,120	7
74	OHX	D1	3541	7/7	0.66	0.47	141,141,141,141	7
74	OHX	A1	1925	7/7	0.66	0.38	165,165,165,165	7
74	OHX	C1	1991	7/7	0.66	0.49	77,77,77,77	7
74	OHX	B1	3535	7/7	0.66	0.38	170,170,170,170	7
74	OHX	C1	1956	7/7	0.66	0.37	170,170,170,170	7
74	OHX	B1	3589	7/7	0.66	0.71	85,85,85,85	7
74	OHX	C1	1950	7/7	0.67	0.28	215,215,215,215	7
74	OHX	D1	3609	7/7	0.67	0.36	73,73,73,73	7
74	OHX	A1	1954	7/7	0.67	0.30	153,153,153,153	7
74	OHX	D3	206	7/7	0.67	0.42	77,77,77,77	7
74	OHX	B2	208	7/7	0.68	0.59	152,152,152,152	7
74	OHX	C1	1978	7/7	0.68	0.41	145,145,145,145	7
74	OHX	B2	210	7/7	0.68	0.56	131,131,131,131	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	B1	3574	7/7	0.69	0.34	136,136,136,136	7
74	OHX	C1	1985	7/7	0.70	0.42	153,153,153,153	7
74	OHX	D1	3550	7/7	0.70	0.39	100,100,100,100	7
74	OHX	C1	1988	7/7	0.70	0.42	146,146,146,146	7
74	OHX	B1	3502	7/7	0.70	0.39	166,166,166,166	7
74	OHX	D1	3599	7/7	0.70	0.32	93,93,93,93	7
74	OHX	B2	207	7/7	0.70	0.46	104,104,104,104	7
74	OHX	A1	1953	7/7	0.70	0.49	122,122,122,122	7
74	OHX	C1	1976	7/7	0.70	0.44	118,118,118,118	7
74	OHX	D1	3610	7/7	0.70	0.63	94,94,94,94	7
74	OHX	D1	3519	7/7	0.70	0.45	111,111,111,111	7
74	OHX	A1	1974	7/7	0.70	0.54	136,136,136,136	7
74	OHX	D1	3544	7/7	0.71	0.36	127,127,127,127	7
74	OHX	B1	3544	7/7	0.71	0.35	130,130,130,130	7
74	OHX	D1	3525	7/7	0.71	0.31	106,106,106,106	7
74	OHX	D1	3622	7/7	0.71	0.32	142,142,142,142	7
74	OHX	D1	3568	7/7	0.71	0.55	92,92,92,92	7
74	OHX	C1	1965	7/7	0.72	0.37	101,101,101,101	7
74	OHX	C1	1966	7/7	0.72	0.38	127,127,127,127	7
74	OHX	B1	3534	7/7	0.72	0.32	128,128,128,128	7
74	OHX	D1	3623	7/7	0.72	0.57	23,23,23,23	7
74	OHX	D1	3524	7/7	0.72	0.38	162,162,162,162	7
74	OHX	A1	1995	7/7	0.73	0.40	80,80,80,80	7
74	OHX	B1	3581	7/7	0.73	0.35	106,106,106,106	7
74	OHX	D1	3603	7/7	0.73	0.41	114,114,114,114	7
74	OHX	D1	3542	7/7	0.73	0.28	198,198,198,198	7
74	OHX	D1	3507	7/7	0.73	0.39	133,133,133,133	7
74	OHX	A1	1997	7/7	0.74	0.35	100,100,100,100	7
74	OHX	B3	206	7/7	0.74	0.22	201,201,201,201	7
74	OHX	D1	3522	7/7	0.74	0.41	133,133,133,133	7
74	OHX	D1	3555	7/7	0.74	0.46	150,150,150,150	7
74	OHX	A1	1978	7/7	0.74	0.49	139,139,139,139	7
74	OHX	A1	1958	7/7	0.74	0.31	116,116,116,116	7
74	OHX	D1	3578	7/7	0.74	0.46	222,222,222,222	7
74	OHX	B1	3603	7/7	0.74	0.23	63,63,63,63	7
74	OHX	D1	3506	7/7	0.74	0.47	131,131,131,131	7
74	OHX	D3	211	7/7	0.74	0.34	137,137,137,137	7
74	OHX	D1	3593	7/7	0.75	0.48	99,99,99,99	7
74	OHX	B1	3523	7/7	0.75	0.31	150,150,150,150	7
74	OHX	B1	3557	7/7	0.75	0.37	46,46,46,46	7
74	OHX	B1	3545	7/7	0.75	0.42	82,82,82,82	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	D1	3587	7/7	0.76	0.62	111,111,111,111	7
74	OHX	B1	3533	7/7	0.76	0.45	149,149,149,149	7
74	OHX	BO	301	7/7	0.76	0.47	110,110,110,110	7
74	OHX	D1	3505	7/7	0.76	0.35	160,160,160,160	7
74	OHX	A1	1996	7/7	0.76	0.45	100,100,100,100	7
74	OHX	B1	3515	7/7	0.76	0.43	119,119,119,119	7
74	OHX	C1	1957	7/7	0.76	0.41	226,226,226,226	7
74	OHX	D1	3559	7/7	0.76	0.29	116,116,116,116	7
74	OHX	A1	1998	7/7	0.76	0.58	125,125,125,125	7
74	OHX	D1	3566	7/7	0.76	0.32	88,88,88,88	7
74	OHX	B1	3584	7/7	0.76	0.44	99,99,99,99	7
74	OHX	C1	1996	7/7	0.76	0.45	86,86,86,86	7
74	OHX	D1	3529	7/7	0.76	0.35	130,130,130,130	7
74	OHX	DJ	301	7/7	0.76	0.26	138,138,138,138	7
74	OHX	A1	1988	7/7	0.77	0.47	25,25,25,25	7
74	OHX	A1	1970	7/7	0.77	0.29	66,66,66,66	7
74	OHX	B1	3546	7/7	0.77	0.32	148,148,148,148	7
74	OHX	B1	3602	7/7	0.77	0.40	75,75,75,75	7
74	OHX	A1	1963	7/7	0.77	0.38	137,137,137,137	7
74	OHX	D1	3595	7/7	0.77	0.41	90,90,90,90	7
74	OHX	D2	208	7/7	0.77	0.39	105,105,105,105	7
74	OHX	D3	205	7/7	0.77	0.23	199,199,199,199	7
74	OHX	D1	3475	7/7	0.77	0.37	142,142,142,142	7
74	OHX	B1	3539	7/7	0.77	0.32	137,137,137,137	7
74	OHX	B1	3542	7/7	0.77	0.47	64,64,64,64	7
74	OHX	D1	3611	7/7	0.78	0.30	82,82,82,82	7
74	OHX	D1	3556	7/7	0.78	0.37	146,146,146,146	7
74	OHX	D1	3618	7/7	0.78	0.26	62,62,62,62	7
74	OHX	C1	1980	7/7	0.78	0.47	162,162,162,162	7
74	OHX	B1	3609	7/7	0.78	0.49	80,80,80,80	7
74	OHX	B1	3510	7/7	0.78	0.36	153,153,153,153	7
74	OHX	B2	203	7/7	0.78	0.40	174,174,174,174	7
74	OHX	D1	3545	7/7	0.78	0.47	77,77,77,77	7
74	OHX	A1	2002	7/7	0.78	0.39	185,185,185,185	7
74	OHX	C1	1995	7/7	0.78	0.43	51,51,51,51	7
74	OHX	B1	3568	7/7	0.79	0.26	94,94,94,94	7
74	OHX	B1	3555	7/7	0.79	0.41	103,103,103,103	7
74	OHX	B2	209	7/7	0.79	0.34	148,148,148,148	7
74	OHX	B1	3551	7/7	0.79	0.54	84,84,84,84	7
74	OHX	C1	1962	7/7	0.79	0.31	180,180,180,180	7
74	OHX	D1	3509	7/7	0.79	0.44	120,120,120,120	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
74	OHX	B2	205	7/7	0.79	0.30	159,159,159,159	7
74	OHX	D1	3573	7/7	0.79	0.46	135,135,135,135	7
74	OHX	D3	208	7/7	0.79	0.33	135,135,135,135	7
74	OHX	C1	2000	7/7	0.79	0.40	82,82,82,82	7
74	OHX	D1	3585	7/7	0.79	0.28	102,102,102,102	7
74	OHX	A1	1991	7/7	0.80	0.40	98,98,98,98	7
74	OHX	B1	3511	7/7	0.80	0.31	160,160,160,160	7
74	OHX	D1	3516	7/7	0.80	0.43	138,138,138,138	7
74	OHX	B1	3611	7/7	0.80	0.34	68,68,68,68	7
74	OHX	A1	1999	7/7	0.80	0.27	99,99,99,99	7
74	OHX	D2	207	7/7	0.80	0.30	111,111,111,111	7
74	OHX	C1	1975	7/7	0.80	0.35	119,119,119,119	7
74	OHX	B3	209	7/7	0.80	0.34	99,99,99,99	7
74	OHX	B1	3621	7/7	0.80	0.29	83,83,83,83	7
74	OHX	B1	3504	7/7	0.80	0.35	140,140,140,140	7
74	OHX	D3	210	7/7	0.80	0.28	74,74,74,74	7
74	OHX	B1	3528	7/7	0.80	0.35	158,158,158,158	7
74	OHX	B1	3506	7/7	0.80	0.41	53,53,53,53	7
74	OHX	D1	3569	7/7	0.81	0.35	88,88,88,88	7
74	OHX	A1	1930	7/7	0.81	0.38	228,228,228,228	7
74	OHX	B3	210	7/7	0.81	0.38	64,64,64,64	7
74	OHX	B1	3570	7/7	0.81	0.37	91,91,91,91	7
74	OHX	B1	3594	7/7	0.81	0.36	100,100,100,100	7
74	OHX	B1	3532	7/7	0.81	0.31	172,172,172,172	7
74	OHX	D1	3590	7/7	0.81	0.47	55,55,55,55	7
74	OHX	B1	3575	7/7	0.81	0.36	123,123,123,123	7
74	OHX	B1	3601	7/7	0.81	0.69	158,158,158,158	7
74	OHX	B1	3520	7/7	0.81	0.39	109,109,109,109	7
74	OHX	A1	1947	7/7	0.81	0.34	143,143,143,143	7
74	OHX	B1	3582	7/7	0.81	0.40	83,83,83,83	7
74	OHX	B1	3560	7/7	0.81	0.40	105,105,105,105	7
74	OHX	D1	3471	7/7	0.81	0.31	260,260,260,260	7
74	OHX	B1	3617	7/7	0.82	0.32	90,90,90,90	7
74	OHX	C1	1981	7/7	0.82	0.25	87,87,87,87	7
74	OHX	A1	1940	7/7	0.82	0.34	166,166,166,166	7
74	OHX	C1	1987	7/7	0.82	0.24	108,108,108,108	7
74	OHX	B1	3514	7/7	0.82	0.26	123,123,123,123	7
74	OHX	D1	3614	7/7	0.82	0.48	83,83,83,83	7
74	OHX	D1	3574	7/7	0.82	0.37	114,114,114,114	7
74	OHX	A1	1989	7/7	0.82	0.43	70,70,70,70	7
74	OHX	D1	3580	7/7	0.82	0.36	114,114,114,114	7
74	OHX	B1	3610	7/7	0.82	0.32	68,68,68,68	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	D2	204	7/7	0.82	0.30	116,116,116,116	7
74	OHX	B1	3530	7/7	0.82	0.34	138,138,138,138	7
74	OHX	D1	3549	7/7	0.82	0.25	127,127,127,127	7
74	OHX	D1	3513	7/7	0.82	0.35	160,160,160,160	7
74	OHX	D1	3552	7/7	0.82	0.41	115,115,115,115	7
74	OHX	C1	1952	7/7	0.82	0.28	239,239,239,239	7
74	OHX	B1	3565	7/7	0.82	0.30	120,120,120,120	7
74	OHX	D1	3600	7/7	0.82	0.25	96,96,96,96	7
74	OHX	C1	1999	7/7	0.82	0.32	41,41,41,41	7
74	OHX	A1	1977	7/7	0.83	0.34	119,119,119,119	7
74	OHX	CT	401	7/7	0.83	0.27	117,117,117,117	7
74	OHX	D1	3548	7/7	0.83	0.36	77,77,77,77	7
74	OHX	D2	209	7/7	0.83	0.38	74,74,74,74	7
74	OHX	D1	3457	7/7	0.83	0.31	130,130,130,130	7
74	OHX	C1	1959	7/7	0.83	0.32	166,166,166,166	7
74	OHX	A1	1965	7/7	0.83	0.30	114,114,114,114	7
74	OHX	D1	3538	7/7	0.83	0.37	87,87,87,87	7
74	OHX	B1	3616	7/7	0.83	0.41	103,103,103,103	7
74	OHX	D1	3498	7/7	0.83	0.35	103,103,103,103	7
74	OHX	Dd	102	7/7	0.83	0.29	118,118,118,118	7
74	OHX	B1	3580	7/7	0.84	0.34	84,84,84,84	7
74	OHX	B1	3619	7/7	0.84	0.34	85,85,85,85	7
74	OHX	A1	1973	7/7	0.84	0.29	101,101,101,101	7
74	OHX	D1	3558	7/7	0.84	0.34	127,127,127,127	7
74	OHX	C1	1919	7/7	0.84	0.34	159,159,159,159	7
74	OHX	D1	3521	7/7	0.84	0.20	163,163,163,163	7
74	OHX	C1	1940	7/7	0.84	0.31	139,139,139,139	7
74	OHX	B1	3481	7/7	0.84	0.34	133,133,133,133	7
74	OHX	D1	3466	7/7	0.84	0.27	103,103,103,103	7
74	OHX	B1	3490	7/7	0.84	0.31	109,109,109,109	7
74	OHX	D1	3534	7/7	0.84	0.32	142,142,142,142	7
74	OHX	B1	3493	7/7	0.84	0.25	135,135,135,135	7
74	OHX	D1	3579	7/7	0.84	0.41	44,44,44,44	7
74	OHX	D1	3481	7/7	0.84	0.27	137,137,137,137	7
74	OHX	A1	1967	7/7	0.84	0.42	96,96,96,96	7
74	OHX	D1	3497	7/7	0.84	0.36	99,99,99,99	7
74	OHX	C1	1958	7/7	0.84	0.30	153,153,153,153	7
74	OHX	D1	3500	7/7	0.84	0.36	139,139,139,139	7
74	OHX	D1	3546	7/7	0.84	0.30	105,105,105,105	7
74	OHX	B1	3538	7/7	0.84	0.36	93,93,93,93	7
74	OHX	A1	1984	7/7	0.84	0.20	65,65,65,65	7
74	OHX	A1	1952	7/7	0.84	0.36	110,110,110,110	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	D1	3613	7/7	0.85	0.38	57,57,57,57	7
74	OHX	B1	3472	7/7	0.85	0.34	132,132,132,132	7
74	OHX	D1	3526	7/7	0.85	0.26	158,158,158,158	7
74	OHX	B1	3556	7/7	0.85	0.43	104,104,104,104	7
74	OHX	B1	3571	7/7	0.85	0.37	176,176,176,176	7
74	OHX	D1	3592	7/7	0.85	0.36	118,118,118,118	7
74	OHX	D1	3625	7/7	0.85	0.40	100,100,100,100	7
74	OHX	C1	2001	7/7	0.85	0.29	130,130,130,130	7
74	OHX	C1	1986	7/7	0.85	0.23	169,169,169,169	7
74	OHX	D1	3596	7/7	0.85	0.32	114,114,114,114	7
74	OHX	A1	2000	7/7	0.85	0.35	75,75,75,75	7
74	OHX	C1	1972	7/7	0.85	0.41	216,216,216,216	7
74	OHX	D1	3515	7/7	0.85	0.20	173,173,173,173	7
74	OHX	B1	3558	7/7	0.85	0.27	130,130,130,130	7
74	OHX	B1	3620	7/7	0.85	0.27	58,58,58,58	7
74	OHX	A1	1946	7/7	0.85	0.30	153,153,153,153	7
74	OHX	B1	3541	7/7	0.85	0.39	117,117,117,117	7
74	OHX	C1	1997	7/7	0.85	0.26	36,36,36,36	7
74	OHX	A1	1982	7/7	0.86	0.34	148,148,148,148	7
74	OHX	B3	212	7/7	0.86	0.27	98,98,98,98	7
74	OHX	B1	3618	7/7	0.86	0.36	109,109,109,109	7
74	OHX	D1	3602	7/7	0.86	0.45	109,109,109,109	7
74	OHX	D1	3517	7/7	0.86	0.31	126,126,126,126	7
74	OHX	D1	3557	7/7	0.86	0.22	148,148,148,148	7
74	OHX	A1	1935	7/7	0.86	0.24	156,156,156,156	7
74	OHX	B1	3579	7/7	0.86	0.31	47,47,47,47	7
74	OHX	D1	3563	7/7	0.86	0.36	99,99,99,99	7
74	OHX	C1	1979	7/7	0.86	0.19	190,190,190,190	7
74	OHX	C1	1945	7/7	0.86	0.27	122,122,122,122	7
74	OHX	D1	3615	7/7	0.86	0.35	73,73,73,73	7
74	OHX	C1	1947	7/7	0.86	0.33	70,70,70,70	7
74	OHX	B1	3495	7/7	0.86	0.39	108,108,108,108	7
74	OHX	D1	3528	7/7	0.86	0.39	96,96,96,96	7
74	OHX	B1	3566	7/7	0.86	0.35	107,107,107,107	7
74	OHX	D1	3532	7/7	0.86	0.24	102,102,102,102	7
74	OHX	D1	3485	7/7	0.86	0.29	90,90,90,90	7
74	OHX	B1	3501	7/7	0.86	0.40	99,99,99,99	7
74	OHX	D1	3494	7/7	0.86	0.34	105,105,105,105	7
74	OHX	A1	1921	7/7	0.86	0.27	148,148,148,148	7
74	OHX	B1	3588	7/7	0.86	0.27	78,78,78,78	7
74	OHX	B1	3517	7/7	0.86	0.22	111,111,111,111	7
74	OHX	C1	1992	7/7	0.86	0.34	76,76,76,76	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	B1	3573	7/7	0.86	0.33	111,111,111,111	7
74	OHX	D1	3594	7/7	0.86	0.19	30,30,30,30	7
74	OHX	DE	301	7/7	0.86	0.17	302,302,302,302	7
74	OHX	B1	3614	7/7	0.86	0.52	163,163,163,163	7
74	OHX	A1	1934	7/7	0.86	0.41	122,122,122,122	7
74	OHX	B1	3469	7/7	0.87	0.27	169,169,169,169	7
74	OHX	C1	1982	7/7	0.87	0.31	106,106,106,106	7
74	OHX	D1	3476	7/7	0.87	0.31	100,100,100,100	7
74	OHX	B1	3586	7/7	0.87	0.36	116,116,116,116	7
74	OHX	A1	1992	7/7	0.87	0.34	45,45,45,45	7
74	OHX	D1	3489	7/7	0.87	0.28	75,75,75,75	7
74	OHX	B1	3612	7/7	0.87	0.33	45,45,45,45	7
74	OHX	D1	3493	7/7	0.87	0.26	126,126,126,126	7
74	OHX	B1	3547	7/7	0.87	0.37	117,117,117,117	7
74	OHX	C1	1960	7/7	0.87	0.29	111,111,111,111	7
74	OHX	D1	3606	7/7	0.87	0.24	63,63,63,63	7
74	OHX	D1	3551	7/7	0.87	0.25	120,120,120,120	7
74	OHX	C1	1990	7/7	0.87	0.27	105,105,105,105	7
74	OHX	A1	1922	7/7	0.87	0.31	133,133,133,133	7
74	OHX	A1	1942	7/7	0.87	0.22	97,97,97,97	7
74	OHX	D1	3467	7/7	0.87	0.26	129,129,129,129	7
74	OHX	D1	3469	7/7	0.87	0.32	152,152,152,152	7
74	OHX	B1	3519	7/7	0.88	0.31	115,115,115,115	7
74	OHX	D1	3518	7/7	0.88	0.36	108,108,108,108	7
74	OHX	D1	3474	7/7	0.88	0.31	118,118,118,118	7
74	OHX	CI	201	7/7	0.88	0.22	143,143,143,143	7
74	OHX	D1	3499	7/7	0.88	0.21	114,114,114,114	7
74	OHX	A1	1985	7/7	0.88	0.44	86,86,86,86	7
74	OHX	D1	3480	7/7	0.88	0.26	127,127,127,127	7
74	OHX	B1	3564	7/7	0.88	0.32	126,126,126,126	7
74	OHX	D1	3527	7/7	0.88	0.26	146,146,146,146	7
74	OHX	D1	3460	7/7	0.88	0.23	138,138,138,138	7
74	OHX	D1	3584	7/7	0.88	0.40	47,47,47,47	7
74	OHX	D1	3487	7/7	0.88	0.33	103,103,103,103	7
74	OHX	D1	3511	7/7	0.88	0.36	85,85,85,85	7
74	OHX	A1	1944	7/7	0.88	0.33	108,108,108,108	7
74	OHX	D1	3589	7/7	0.88	0.34	56,56,56,56	7
74	OHX	B1	3604	7/7	0.88	0.28	53,53,53,53	7
74	OHX	B1	3572	7/7	0.88	0.24	56,56,56,56	7
74	OHX	CS	102	7/7	0.89	0.35	184,184,184,184	7
74	OHX	D1	3533	7/7	0.89	0.23	92,92,92,92	7
74	OHX	A1	1981	7/7	0.89	0.36	128,128,128,128	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	B1	3531	7/7	0.89	0.30	65,65,65,65	7
74	OHX	D1	3575	7/7	0.89	0.34	84,84,84,84	7
74	OHX	D1	3577	7/7	0.89	0.23	198,198,198,198	7
74	OHX	B1	3583	7/7	0.89	0.36	126,126,126,126	7
74	OHX	C1	1984	7/7	0.89	0.29	78,78,78,78	7
74	OHX	B2	206	7/7	0.89	0.24	128,128,128,128	7
74	OHX	B1	3491	7/7	0.89	0.32	99,99,99,99	7
74	OHX	B1	3437	7/7	0.89	0.29	156,156,156,156	7
74	OHX	A1	1919	7/7	0.89	0.31	141,141,141,141	7
74	OHX	B1	3516	7/7	0.89	0.31	136,136,136,136	7
74	OHX	D2	203	7/7	0.89	0.28	94,94,94,94	7
74	OHX	B1	3497	7/7	0.89	0.21	103,103,103,103	7
74	OHX	A1	1962	7/7	0.89	0.32	193,193,193,193	7
74	OHX	B1	3597	7/7	0.89	0.41	137,137,137,137	7
74	OHX	B1	3479	7/7	0.89	0.33	145,145,145,145	7
74	OHX	C1	1971	7/7	0.89	0.28	131,131,131,131	7
74	OHX	A1	1933	7/7	0.89	0.20	152,152,152,152	7
74	OHX	B1	3525	7/7	0.89	0.33	54,54,54,54	7
74	OHX	C1	1931	7/7	0.89	0.29	130,130,130,130	7
74	OHX	C1	1933	7/7	0.89	0.23	111,111,111,111	7
74	OHX	DC	401	7/7	0.89	0.25	93,93,93,93	7
74	OHX	C1	1938	7/7	0.89	0.34	191,191,191,191	7
74	OHX	B1	3487	7/7	0.89	0.28	116,116,116,116	7
74	OHX	D1	3531	7/7	0.89	0.24	136,136,136,136	7
74	OHX	D1	3488	7/7	0.90	0.23	141,141,141,141	7
74	OHX	C1	1954	7/7	0.90	0.25	116,116,116,116	7
74	OHX	B1	3513	7/7	0.90	0.23	171,171,171,171	7
74	OHX	B1	3595	7/7	0.90	0.25	73,73,73,73	7
74	OHX	A1	1990	7/7	0.90	0.37	117,117,117,117	7
74	OHX	A1	1968	7/7	0.90	0.36	180,180,180,180	7
74	OHX	A1	1969	7/7	0.90	0.23	87,87,87,87	7
74	OHX	AT	401	7/7	0.90	0.30	207,207,207,207	7
74	OHX	B1	3518	7/7	0.90	0.31	105,105,105,105	7
74	OHX	B1	3435	7/7	0.90	0.30	130,130,130,130	7
74	OHX	C1	1968	7/7	0.90	0.26	103,103,103,103	7
74	OHX	A1	1941	7/7	0.90	0.22	124,124,124,124	7
74	OHX	D1	3554	7/7	0.90	0.23	122,122,122,122	7
74	OHX	B1	3606	7/7	0.90	0.24	74,74,74,74	7
74	OHX	D1	3510	7/7	0.90	0.25	108,108,108,108	7
74	OHX	B1	3521	7/7	0.90	0.29	107,107,107,107	7
74	OHX	D1	3433	7/7	0.90	0.25	128,128,128,128	7
74	OHX	D1	3514	7/7	0.90	0.26	173,173,173,173	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
74	OHX	D1	3453	7/7	0.90	0.25	124,124,124,124	7
74	OHX	B1	3549	7/7	0.90	0.33	86,86,86,86	7
74	OHX	D1	3565	7/7	0.90	0.23	60,60,60,60	7
74	OHX	D1	3620	7/7	0.90	0.32	78,78,78,78	7
74	OHX	D1	3621	7/7	0.90	0.25	67,67,67,67	7
74	OHX	B1	3498	7/7	0.90	0.30	83,83,83,83	7
74	OHX	B1	3454	7/7	0.90	0.29	123,123,123,123	7
74	OHX	A1	1939	7/7	0.90	0.20	100,100,100,100	7
74	OHX	D2	202	7/7	0.90	0.23	106,106,106,106	7
74	OHX	D1	3570	7/7	0.90	0.32	49,49,49,49	7
74	OHX	D1	3572	7/7	0.90	0.23	91,91,91,91	7
74	OHX	B1	3503	7/7	0.90	0.29	86,86,86,86	7
74	OHX	C1	1936	7/7	0.90	0.30	126,126,126,126	7
74	OHX	A1	1948	7/7	0.90	0.27	106,106,106,106	7
74	OHX	A1	1960	7/7	0.90	0.29	70,70,70,70	7
74	OHX	C1	1943	7/7	0.90	0.25	141,141,141,141	7
74	OHX	B1	3509	7/7	0.90	0.26	124,124,124,124	7
74	OHX	A1	1936	7/7	0.90	0.26	129,129,129,129	7
74	OHX	D1	3482	7/7	0.90	0.24	107,107,107,107	7
74	OHX	D3	212	7/7	0.90	0.31	71,71,71,71	7
74	OHX	D1	3483	7/7	0.90	0.27	98,98,98,98	7
74	OHX	B1	3562	7/7	0.90	0.40	130,130,130,130	7
74	OHX	D1	3486	7/7	0.90	0.28	143,143,143,143	7
74	OHX	DO	301	7/7	0.90	0.33	285,285,285,285	7
74	OHX	B1	3483	7/7	0.90	0.29	71,71,71,71	7
74	OHX	B1	3596	7/7	0.91	0.32	56,56,56,56	7
74	OHX	B1	3550	7/7	0.91	0.22	137,137,137,137	7
74	OHX	B1	3482	7/7	0.91	0.27	111,111,111,111	7
74	OHX	Ac	100	7/7	0.91	0.32	131,131,131,131	7
74	OHX	B1	3553	7/7	0.91	0.26	66,66,66,66	7
74	OHX	A1	1927	7/7	0.91	0.26	139,139,139,139	7
74	OHX	D1	3503	7/7	0.91	0.31	120,120,120,120	7
74	OHX	D1	3461	7/7	0.91	0.28	128,128,128,128	7
74	OHX	D1	3536	7/7	0.91	0.29	140,140,140,140	7
74	OHX	B1	3578	7/7	0.91	0.28	112,112,112,112	7
74	OHX	D1	3619	7/7	0.91	0.26	86,86,86,86	7
74	OHX	D1	3576	7/7	0.91	0.20	76,76,76,76	7
74	OHX	D1	3539	7/7	0.91	0.23	69,69,69,69	7
74	OHX	A1	1955	7/7	0.91	0.27	110,110,110,110	7
74	OHX	B1	3605	7/7	0.91	0.28	52,52,52,52	7
74	OHX	B1	3536	7/7	0.91	0.30	324,324,324,324	7
74	OHX	A1	1957	7/7	0.91	0.27	129,129,129,129	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	B1	3459	7/7	0.91	0.23	160,160,160,160	7
74	OHX	D1	3547	7/7	0.91	0.22	64,64,64,64	7
74	OHX	B1	3522	7/7	0.91	0.24	129,129,129,129	7
74	OHX	A1	1949	7/7	0.91	0.23	101,101,101,101	7
74	OHX	C1	1994	7/7	0.91	0.20	47,47,47,47	7
74	OHX	B1	3512	7/7	0.91	0.31	113,113,113,113	7
74	OHX	C1	1910	7/7	0.91	0.22	138,138,138,138	7
74	OHX	D1	3553	7/7	0.91	0.33	145,145,145,145	7
74	OHX	D3	209	7/7	0.91	0.20	127,127,127,127	7
74	OHX	C1	1970	7/7	0.91	0.13	176,176,176,176	7
74	OHX	B1	3527	7/7	0.91	0.27	84,84,84,84	7
74	OHX	D1	3597	7/7	0.91	0.37	222,222,222,222	7
74	OHX	A1	1938	7/7	0.91	0.24	155,155,155,155	7
74	OHX	D1	3523	7/7	0.91	0.21	106,106,106,106	7
74	OHX	B1	3529	7/7	0.91	0.17	171,171,171,171	7
74	OHX	A1	1994	7/7	0.91	0.34	123,123,123,123	7
74	OHX	A1	1929	7/7	0.91	0.18	114,114,114,114	7
74	OHX	B1	3470	7/7	0.92	0.21	122,122,122,122	7
74	OHX	D1	3449	7/7	0.92	0.25	124,124,124,124	7
74	OHX	B1	3524	7/7	0.92	0.23	97,97,97,97	7
74	OHX	D1	3454	7/7	0.92	0.23	117,117,117,117	7
74	OHX	A1	1923	7/7	0.92	0.25	98,98,98,98	7
74	OHX	B1	3476	7/7	0.92	0.22	102,102,102,102	7
74	OHX	B1	3477	7/7	0.92	0.21	101,101,101,101	7
74	OHX	A1	1950	7/7	0.92	0.17	127,127,127,127	7
74	OHX	D1	3508	7/7	0.92	0.21	88,88,88,88	7
74	OHX	B1	3448	7/7	0.92	0.21	124,124,124,124	7
74	OHX	D1	3468	7/7	0.92	0.23	130,130,130,130	7
74	OHX	B1	3453	7/7	0.92	0.24	127,127,127,127	7
74	OHX	D1	3581	7/7	0.92	0.27	60,60,60,60	7
74	OHX	C1	1913	7/7	0.92	0.23	149,149,149,149	7
74	OHX	A1	1926	7/7	0.92	0.29	87,87,87,87	7
74	OHX	C1	1923	7/7	0.92	0.25	123,123,123,123	7
74	OHX	C1	1926	7/7	0.92	0.22	96,96,96,96	7
74	OHX	D1	3477	7/7	0.92	0.19	142,142,142,142	7
74	OHX	C1	1993	7/7	0.92	0.26	93,93,93,93	7
74	OHX	D1	3591	7/7	0.92	0.23	43,43,43,43	7
74	OHX	C1	1967	7/7	0.92	0.21	100,100,100,100	7
74	OHX	C1	1927	7/7	0.92	0.19	149,149,149,149	7
74	OHX	C1	1969	7/7	0.92	0.26	133,133,133,133	7
74	OHX	B1	3456	7/7	0.92	0.28	106,106,106,106	7
74	OHX	B1	3508	7/7	0.92	0.23	113,113,113,113	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
74	OHX	B2	204	7/7	0.92	0.20	132,132,132,132	7
74	OHX	D1	3598	7/7	0.92	0.25	65,65,65,65	7
74	OHX	B1	3569	7/7	0.92	0.17	95,95,95,95	7
74	OHX	D1	3562	7/7	0.92	0.28	121,121,121,121	7
74	OHX	C1	1939	7/7	0.92	0.20	103,103,103,103	7
74	OHX	A1	1971	7/7	0.92	0.20	94,94,94,94	7
74	OHX	A1	1972	7/7	0.92	0.23	87,87,87,87	7
74	OHX	DO	302	7/7	0.92	0.24	77,77,77,77	7
74	OHX	B1	3537	7/7	0.92	0.27	56,56,56,56	7
74	OHX	B1	3591	7/7	0.93	0.31	55,55,55,55	7
74	OHX	D1	3537	7/7	0.93	0.21	74,74,74,74	7
74	OHX	B1	3499	7/7	0.93	0.22	123,123,123,123	7
74	OHX	B2	202	7/7	0.93	0.19	106,106,106,106	7
74	OHX	D1	3540	7/7	0.93	0.25	85,85,85,85	7
74	OHX	B1	3425	7/7	0.93	0.21	108,108,108,108	7
74	OHX	C1	1951	7/7	0.93	0.16	152,152,152,152	7
74	OHX	A1	1951	7/7	0.93	0.28	259,259,259,259	7
74	OHX	A1	1979	7/7	0.93	0.17	81,81,81,81	7
74	OHX	B1	3438	7/7	0.93	0.18	168,168,168,168	7
74	OHX	B1	3443	7/7	0.93	0.24	134,134,134,134	7
74	OHX	D1	3495	7/7	0.93	0.18	160,160,160,160	7
74	OHX	B1	3446	7/7	0.93	0.20	113,113,113,113	7
74	OHX	A1	1914	7/7	0.93	0.24	145,145,145,145	7
74	OHX	A1	1943	7/7	0.93	0.18	176,176,176,176	7
74	OHX	B1	3484	7/7	0.93	0.22	143,143,143,143	7
74	OHX	D1	3501	7/7	0.93	0.17	102,102,102,102	7
74	OHX	B3	207	7/7	0.93	0.23	68,68,68,68	7
74	OHX	B1	3576	7/7	0.93	0.26	86,86,86,86	7
74	OHX	B1	3485	7/7	0.93	0.25	110,110,110,110	7
74	OHX	B1	3486	7/7	0.93	0.24	104,104,104,104	7
74	OHX	D1	3405	7/7	0.93	0.25	110,110,110,110	0
74	OHX	D1	3617	7/7	0.93	0.22	50,50,50,50	7
74	OHX	D1	3413	7/7	0.93	0.25	114,114,114,114	7
74	OHX	B1	3607	7/7	0.93	0.26	44,44,44,44	7
74	OHX	D1	3439	7/7	0.93	0.24	107,107,107,107	7
74	OHX	A1	1961	7/7	0.93	0.16	105,105,105,105	7
74	OHX	B1	3455	7/7	0.93	0.20	134,134,134,134	7
74	OHX	C1	1915	7/7	0.93	0.24	120,120,120,120	7
74	OHX	C1	1973	7/7	0.93	0.17	95,95,95,95	7
74	OHX	A1	1908	7/7	0.93	0.25	96,96,96,96	7
74	OHX	C1	1920	7/7	0.93	0.23	103,103,103,103	7
74	OHX	D1	3462	7/7	0.93	0.21	114,114,114,114	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	D2	205	7/7	0.93	0.20	84,84,84,84	7
74	OHX	D2	206	7/7	0.93	0.23	85,85,85,85	7
74	OHX	B1	3457	7/7	0.93	0.20	147,147,147,147	7
74	OHX	C1	1977	7/7	0.93	0.21	102,102,102,102	7
74	OHX	B1	3559	7/7	0.93	0.20	68,68,68,68	7
74	OHX	A1	1911	7/7	0.93	0.22	112,112,112,112	7
74	OHX	B1	3585	7/7	0.93	0.33	197,197,197,197	7
74	OHX	D3	207	7/7	0.93	0.22	123,123,123,123	7
74	OHX	D1	3473	7/7	0.93	0.18	123,123,123,123	7
74	OHX	B1	3615	7/7	0.93	0.22	49,49,49,49	7
74	OHX	B1	3561	7/7	0.93	0.42	280,280,280,280	7
74	OHX	C1	1983	7/7	0.93	0.25	59,59,59,59	7
74	OHX	D1	3583	7/7	0.93	0.20	88,88,88,88	7
74	OHX	D1	3530	7/7	0.93	0.22	51,51,51,51	7
74	OHX	B1	3587	7/7	0.93	0.28	154,154,154,154	7
74	OHX	D1	3479	7/7	0.93	0.26	99,99,99,99	7
74	OHX	B1	3466	7/7	0.93	0.17	120,120,120,120	7
74	OHX	A1	1987	7/7	0.93	0.24	72,72,72,72	7
74	OHX	C1	1942	7/7	0.93	0.20	112,112,112,112	7
74	OHX	B1	3431	7/7	0.94	0.16	125,125,125,125	7
74	OHX	D1	3520	7/7	0.94	0.21	109,109,109,109	7
74	OHX	C1	1961	7/7	0.94	0.20	101,101,101,101	7
74	OHX	D1	3607	7/7	0.94	0.23	78,78,78,78	7
74	OHX	D1	3608	7/7	0.94	0.26	14,14,14,14	7
74	OHX	B1	3526	7/7	0.94	0.22	174,174,174,174	7
74	OHX	C1	1963	7/7	0.94	0.20	94,94,94,94	7
74	OHX	C1	1964	7/7	0.94	0.23	88,88,88,88	7
74	OHX	C1	1916	7/7	0.94	0.25	169,169,169,169	7
74	OHX	B1	3507	7/7	0.94	0.26	104,104,104,104	7
74	OHX	D1	3484	7/7	0.94	0.19	116,116,116,116	7
74	OHX	A1	1915	7/7	0.94	0.21	129,129,129,129	7
74	OHX	C1	1922	7/7	0.94	0.23	142,142,142,142	7
74	OHX	A1	1959	7/7	0.94	0.28	110,110,110,110	7
74	OHX	B1	3460	7/7	0.94	0.20	137,137,137,137	7
74	OHX	B1	3461	7/7	0.94	0.21	101,101,101,101	7
74	OHX	B1	3462	7/7	0.94	0.20	90,90,90,90	7
74	OHX	D1	3492	7/7	0.94	0.23	112,112,112,112	7
74	OHX	B1	3488	7/7	0.94	0.16	104,104,104,104	7
74	OHX	D1	3624	7/7	0.94	0.24	95,95,95,95	7
74	OHX	B1	3465	7/7	0.94	0.20	142,142,142,142	7
74	OHX	C1	1937	7/7	0.94	0.18	124,124,124,124	7
74	OHX	A1	1932	7/7	0.94	0.20	142,142,142,142	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	D1	3441	7/7	0.94	0.20	124,124,124,124	7
74	OHX	B1	3468	7/7	0.94	0.25	89,89,89,89	7
74	OHX	B1	3441	7/7	0.94	0.23	129,129,129,129	7
74	OHX	AL	201	7/7	0.94	0.15	122,122,122,122	7
74	OHX	D1	3543	7/7	0.94	0.20	45,45,45,45	7
74	OHX	D1	3588	7/7	0.94	0.28	336,336,336,336	7
74	OHX	A1	1928	7/7	0.94	0.15	99,99,99,99	7
74	OHX	D1	3459	7/7	0.94	0.23	96,96,96,96	7
74	OHX	B3	203	7/7	0.94	0.20	140,140,140,140	7
74	OHX	B1	3474	7/7	0.94	0.19	179,179,179,179	7
74	OHX	C1	1949	7/7	0.94	0.17	97,97,97,97	7
74	OHX	D1	3463	7/7	0.94	0.19	140,140,140,140	7
74	OHX	A1	1924	7/7	0.94	0.21	150,150,150,150	7
74	OHX	B3	208	7/7	0.94	0.18	79,79,79,79	7
74	OHX	B1	3543	7/7	0.94	0.15	102,102,102,102	7
74	OHX	B1	3421	7/7	0.94	0.27	141,141,141,141	0
74	OHX	A1	1986	7/7	0.94	0.19	98,98,98,98	7
74	OHX	BC	401	7/7	0.94	0.16	66,66,66,66	7
74	OHX	B1	3590	7/7	0.94	0.18	69,69,69,69	7
74	OHX	B1	3426	7/7	0.94	0.20	111,111,111,111	7
74	OHX	D1	3491	7/7	0.95	0.17	37,37,37,37	7
74	OHX	A1	1980	7/7	0.95	0.14	136,136,136,136	7
74	OHX	B1	3494	7/7	0.95	0.19	118,118,118,118	7
74	OHX	B1	3429	7/7	0.95	0.17	93,93,93,93	7
74	OHX	D1	3458	7/7	0.95	0.17	103,103,103,103	7
74	OHX	B1	3496	7/7	0.95	0.19	122,122,122,122	7
74	OHX	B1	3447	7/7	0.95	0.22	126,126,126,126	7
74	OHX	C1	1941	7/7	0.95	0.18	109,109,109,109	7
74	OHX	B1	3430	7/7	0.95	0.20	99,99,99,99	7
74	OHX	C1	1914	7/7	0.95	0.15	128,128,128,128	7
74	OHX	D1	3502	7/7	0.95	0.16	79,79,79,79	7
74	OHX	D1	3464	7/7	0.95	0.16	92,92,92,92	7
74	OHX	D1	3465	7/7	0.95	0.19	101,101,101,101	7
74	OHX	B1	3403	7/7	0.95	0.26	126,126,126,126	0
74	OHX	B1	3500	7/7	0.95	0.21	116,116,116,116	7
74	OHX	C1	1948	7/7	0.95	0.20	117,117,117,117	7
74	OHX	B1	3409	7/7	0.95	0.22	122,122,122,122	0
74	OHX	B1	3416	7/7	0.95	0.25	113,113,113,113	0
74	OHX	B1	3598	7/7	0.95	0.20	100,100,100,100	7
74	OHX	A1	1976	7/7	0.95	0.24	51,51,51,51	7
74	OHX	B1	3440	7/7	0.95	0.24	105,105,105,105	7
74	OHX	C1	1955	7/7	0.95	0.20	106,106,106,106	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	B1	3473	7/7	0.95	0.17	91,91,91,91	7
74	OHX	D1	3478	7/7	0.95	0.17	117,117,117,117	7
74	OHX	C1	1928	7/7	0.95	0.22	165,165,165,165	7
74	OHX	C1	1930	7/7	0.95	0.18	112,112,112,112	7
74	OHX	B1	3458	7/7	0.95	0.25	114,114,114,114	7
74	OHX	D1	3436	7/7	0.95	0.24	125,125,125,125	7
74	OHX	D1	3437	7/7	0.95	0.22	103,103,103,103	7
74	OHX	A1	1945	7/7	0.95	0.16	108,108,108,108	7
74	OHX	D1	3440	7/7	0.95	0.25	137,137,137,137	7
74	OHX	C1	1934	7/7	0.95	0.18	141,141,141,141	7
74	OHX	D1	3448	7/7	0.95	0.22	107,107,107,107	7
74	OHX	D1	3604	7/7	0.95	0.18	44,44,44,44	7
74	OHX	C1	1935	7/7	0.95	0.15	93,93,93,93	7
74	OHX	D1	3450	7/7	0.95	0.22	112,112,112,112	7
74	OHX	D1	3567	7/7	0.95	0.16	106,106,106,106	7
74	OHX	D1	3451	7/7	0.95	0.22	112,112,112,112	7
74	OHX	C1	1932	7/7	0.96	0.18	115,115,115,115	7
74	OHX	A1	1904	7/7	0.96	0.18	137,137,137,137	7
74	OHX	A1	1937	7/7	0.96	0.16	158,158,158,158	7
74	OHX	D1	3512	7/7	0.96	0.16	108,108,108,108	7
74	OHX	A1	1920	7/7	0.96	0.15	126,126,126,126	7
74	OHX	B1	3433	7/7	0.96	0.21	98,98,98,98	7
74	OHX	A1	1910	7/7	0.96	0.19	146,146,146,146	7
74	OHX	D1	3561	7/7	0.96	0.17	65,65,65,65	7
74	OHX	D1	3470	7/7	0.96	0.13	84,84,84,84	7
74	OHX	B1	3436	7/7	0.96	0.15	104,104,104,104	7
74	OHX	A1	1905	7/7	0.96	0.19	118,118,118,118	0
74	OHX	D1	3612	7/7	0.96	0.18	36,36,36,36	7
74	OHX	CS	101	7/7	0.96	0.27	46,46,46,46	7
74	OHX	A1	1912	7/7	0.96	0.18	125,125,125,125	7
74	OHX	B1	3439	7/7	0.96	0.19	90,90,90,90	7
74	OHX	B1	3463	7/7	0.96	0.16	137,137,137,137	7
74	OHX	Bd	102	7/7	0.96	0.15	73,73,73,73	7
74	OHX	D1	3416	7/7	0.96	0.12	108,108,108,108	7
74	OHX	D1	3571	7/7	0.96	0.17	77,77,77,77	7
74	OHX	D1	3417	7/7	0.96	0.19	91,91,91,91	7
74	OHX	D1	3418	7/7	0.96	0.22	103,103,103,103	0
74	OHX	D1	3425	7/7	0.96	0.16	126,126,126,126	7
74	OHX	D1	3429	7/7	0.96	0.21	82,82,82,82	7
74	OHX	D1	3432	7/7	0.96	0.20	100,100,100,100	7
74	OHX	C1	1944	7/7	0.96	0.12	134,134,134,134	7
74	OHX	Bg	101	7/7	0.96	0.24	79,79,79,79	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	C1	1946	7/7	0.96	0.15	63,63,63,63	7
74	OHX	B1	3464	7/7	0.96	0.20	89,89,89,89	7
74	OHX	B1	3410	7/7	0.96	0.17	111,111,111,111	0
74	OHX	A1	1906	7/7	0.96	0.15	97,97,97,97	7
74	OHX	D1	3444	7/7	0.96	0.20	72,72,72,72	7
74	OHX	D1	3445	7/7	0.96	0.19	101,101,101,101	7
74	OHX	D1	3447	7/7	0.96	0.20	142,142,142,142	7
74	OHX	D3	203	7/7	0.96	0.14	86,86,86,86	7
74	OHX	D3	204	7/7	0.96	0.19	120,120,120,120	7
74	OHX	B1	3442	7/7	0.96	0.21	89,89,89,89	7
74	OHX	B1	3419	7/7	0.96	0.17	109,109,109,109	7
74	OHX	B1	3444	7/7	0.96	0.15	111,111,111,111	7
74	OHX	A1	1907	7/7	0.96	0.18	111,111,111,111	7
74	OHX	A1	1916	7/7	0.96	0.16	91,91,91,91	7
74	OHX	A1	2001	7/7	0.96	0.17	26,26,26,26	7
74	OHX	C1	1925	7/7	0.96	0.14	116,116,116,116	7
74	OHX	B1	3475	7/7	0.96	0.20	84,84,84,84	7
74	OHX	B1	3452	7/7	0.96	0.17	134,134,134,134	7
74	OHX	D1	3504	7/7	0.96	0.16	101,101,101,101	7
74	OHX	B1	3427	7/7	0.96	0.23	95,95,95,95	7
74	OHX	C1	1929	7/7	0.96	0.21	90,90,90,90	7
74	OHX	B1	3478	7/7	0.96	0.14	110,110,110,110	7
74	OHX	Dd	101	7/7	0.96	0.23	32,32,32,32	7
74	OHX	B1	3505	7/7	0.96	0.15	134,134,134,134	7
74	OHX	B1	3540	7/7	0.97	0.14	58,58,58,58	7
74	OHX	A1	1918	7/7	0.97	0.18	94,94,94,94	7
74	OHX	C1	1902	7/7	0.97	0.22	108,108,108,108	0
74	OHX	C1	1905	7/7	0.97	0.11	114,114,114,114	7
74	OHX	C1	1909	7/7	0.97	0.14	130,130,130,130	7
74	OHX	D1	3442	7/7	0.97	0.16	126,126,126,126	7
74	OHX	D1	3443	7/7	0.97	0.14	96,96,96,96	7
74	OHX	A1	1903	7/7	0.97	0.15	122,122,122,122	7
74	OHX	C1	1912	7/7	0.97	0.12	117,117,117,117	7
74	OHX	D1	3446	7/7	0.97	0.17	83,83,83,83	7
74	OHX	AS	101	7/7	0.97	0.19	29,29,29,29	7
74	OHX	B1	3418	7/7	0.97	0.14	106,106,106,106	0
74	OHX	B1	3593	7/7	0.97	0.15	46,46,46,46	7
74	OHX	B1	3432	7/7	0.97	0.17	79,79,79,79	7
74	OHX	A1	1909	7/7	0.97	0.12	115,115,115,115	7
74	OHX	A1	1975	7/7	0.97	0.17	67,67,67,67	7
74	OHX	C1	1921	7/7	0.97	0.12	145,145,145,145	7
74	OHX	D1	3496	7/7	0.97	0.18	155,155,155,155	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	D1	3455	7/7	0.97	0.16	110,110,110,110	7
74	OHX	D1	3456	7/7	0.97	0.19	131,131,131,131	7
74	OHX	B1	3423	7/7	0.97	0.21	91,91,91,91	7
74	OHX	B1	3492	7/7	0.97	0.20	70,70,70,70	7
74	OHX	C1	1924	7/7	0.97	0.12	82,82,82,82	7
74	OHX	B1	3451	7/7	0.97	0.15	86,86,86,86	7
74	OHX	D1	3401	7/7	0.97	0.20	96,96,96,96	0
74	OHX	D1	3403	7/7	0.97	0.19	96,96,96,96	0
74	OHX	B1	3567	7/7	0.97	0.11	126,126,126,126	7
74	OHX	D1	3406	7/7	0.97	0.12	107,107,107,107	0
74	OHX	D1	3409	7/7	0.97	0.14	114,114,114,114	0
74	OHX	D1	3410	7/7	0.97	0.22	96,96,96,96	0
74	OHX	C1	1953	7/7	0.97	0.16	56,56,56,56	7
74	OHX	B1	3424	7/7	0.97	0.19	105,105,105,105	7
74	OHX	A1	1917	7/7	0.97	0.15	130,130,130,130	7
74	OHX	B3	211	7/7	0.97	0.14	67,67,67,67	7
74	OHX	D1	3422	7/7	0.97	0.15	114,114,114,114	7
74	OHX	D1	3472	7/7	0.97	0.15	185,185,185,185	7
74	OHX	B1	3406	7/7	0.97	0.23	106,106,106,106	0
74	OHX	B1	3467	7/7	0.97	0.14	119,119,119,119	7
74	OHX	D1	3430	7/7	0.97	0.15	101,101,101,101	7
74	OHX	D1	3560	7/7	0.97	0.19	82,82,82,82	7
74	OHX	B2	201	7/7	0.97	0.10	141,141,141,141	7
74	OHX	DT	201	7/7	0.97	0.22	100,100,100,100	0
74	OHX	Bd	101	7/7	0.97	0.22	32,32,32,32	7
74	OHX	D1	3435	7/7	0.97	0.12	92,92,92,92	7
74	OHX	B1	3405	7/7	0.98	0.18	101,101,101,101	0
74	OHX	D1	3434	7/7	0.98	0.13	77,77,77,77	7
74	OHX	BT	201	7/7	0.98	0.17	91,91,91,91	7
74	OHX	B1	3422	7/7	0.98	0.12	93,93,93,93	7
74	OHX	A1	1901	7/7	0.98	0.14	100,100,100,100	0
74	OHX	B1	3480	7/7	0.98	0.10	85,85,85,85	7
74	OHX	B1	3407	7/7	0.98	0.12	105,105,105,105	0
74	OHX	C1	1903	7/7	0.98	0.16	115,115,115,115	0
74	OHX	C1	1904	7/7	0.98	0.18	113,113,113,113	0
74	OHX	B1	3408	7/7	0.98	0.17	98,98,98,98	0
74	OHX	C1	1907	7/7	0.98	0.18	123,123,123,123	7
74	OHX	B1	3563	7/7	0.98	0.17	152,152,152,152	7
74	OHX	A1	1902	7/7	0.98	0.14	112,112,112,112	0
74	OHX	C1	1911	7/7	0.98	0.11	96,96,96,96	7
74	OHX	A1	1931	7/7	0.98	0.14	96,96,96,96	7
74	OHX	B1	3428	7/7	0.98	0.15	109,109,109,109	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
74	OHX	B1	3411	7/7	0.98	0.14	105,105,105,105	0
74	OHX	D1	3402	7/7	0.98	0.20	100,100,100,100	0
74	OHX	D1	3582	7/7	0.98	0.13	71,71,71,71	7
74	OHX	B1	3413	7/7	0.98	0.13	106,106,106,106	7
74	OHX	D1	3404	7/7	0.98	0.21	99,99,99,99	0
74	OHX	B3	201	7/7	0.98	0.20	117,117,117,117	0
74	OHX	B3	202	7/7	0.98	0.11	116,116,116,116	0
74	OHX	D1	3407	7/7	0.98	0.15	113,113,113,113	0
74	OHX	D1	3408	7/7	0.98	0.13	143,143,143,143	0
74	OHX	B1	3449	7/7	0.98	0.14	105,105,105,105	7
74	OHX	B3	204	7/7	0.98	0.13	84,84,84,84	7
74	OHX	D1	3411	7/7	0.98	0.15	117,117,117,117	0
74	OHX	D1	3412	7/7	0.98	0.17	126,126,126,126	0
74	OHX	B3	205	7/7	0.98	0.11	123,123,123,123	7
74	OHX	B1	3489	7/7	0.98	0.13	129,129,129,129	7
74	OHX	B1	3414	7/7	0.98	0.13	106,106,106,106	0
74	OHX	A1	1956	7/7	0.98	0.11	159,159,159,159	7
74	OHX	D1	3419	7/7	0.98	0.14	92,92,92,92	0
74	OHX	D1	3421	7/7	0.98	0.12	98,98,98,98	7
74	OHX	B1	3417	7/7	0.98	0.12	102,102,102,102	0
74	OHX	D1	3423	7/7	0.98	0.09	88,88,88,88	7
74	OHX	D1	3424	7/7	0.98	0.09	125,125,125,125	7
74	OHX	B1	3434	7/7	0.98	0.17	102,102,102,102	7
74	OHX	D1	3426	7/7	0.98	0.15	112,112,112,112	7
74	OHX	D1	3427	7/7	0.98	0.12	90,90,90,90	7
74	OHX	A1	1913	7/7	0.98	0.11	135,135,135,135	7
74	OHX	B1	3404	7/7	0.98	0.15	114,114,114,114	0
74	OHX	B1	3420	7/7	0.98	0.15	93,93,93,93	7
74	OHX	Dg	101	7/7	0.98	0.19	69,69,69,69	7
74	OHX	B1	3401	7/7	0.99	0.18	90,90,90,90	0
74	OHX	D3	201	7/7	0.99	0.14	93,93,93,93	0
74	OHX	D3	202	7/7	0.99	0.14	116,116,116,116	0
74	OHX	C1	1908	7/7	0.99	0.11	104,104,104,104	7
74	OHX	B1	3415	7/7	0.99	0.14	93,93,93,93	7
74	OHX	D1	3428	7/7	0.99	0.11	80,80,80,80	7
74	OHX	B1	3412	7/7	0.99	0.13	121,121,121,121	0
74	OHX	D1	3414	7/7	0.99	0.11	114,114,114,114	0
74	OHX	D1	3431	7/7	0.99	0.12	109,109,109,109	7
74	OHX	D1	3415	7/7	0.99	0.10	139,139,139,139	0
74	OHX	C1	1901	7/7	0.99	0.14	100,100,100,100	0
74	OHX	D1	3452	7/7	0.99	0.10	94,94,94,94	7
74	OHX	B1	3450	7/7	0.99	0.14	91,91,91,91	7

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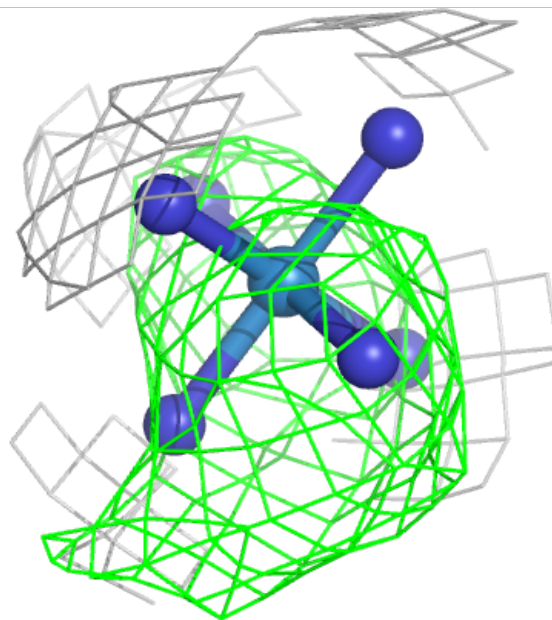
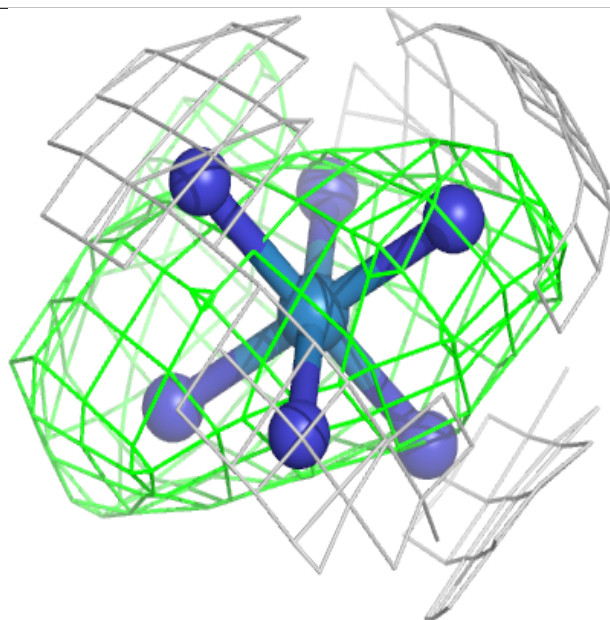
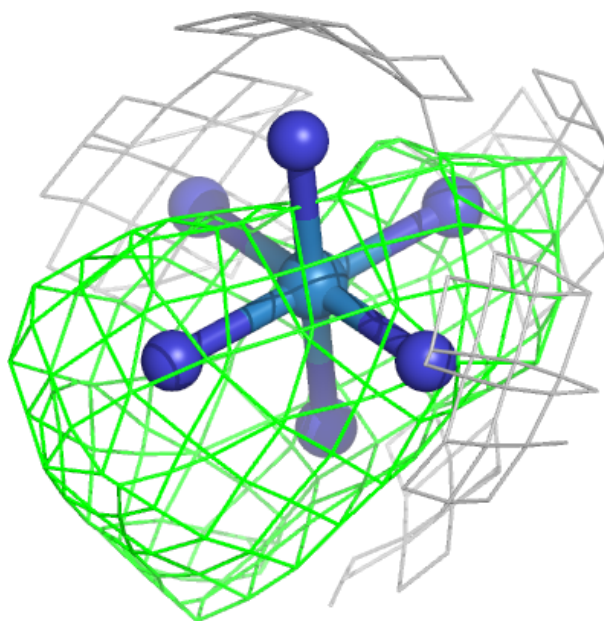
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
74	OHX	B1	3445	7/7	0.99	0.09	113,113,113,113	7
74	OHX	D2	201	7/7	0.99	0.09	94,94,94,94	7
74	OHX	B1	3402	7/7	0.99	0.15	99,99,99,99	0
74	OHX	D1	3420	7/7	0.99	0.10	112,112,112,112	0
74	OHX	D1	3438	7/7	0.99	0.11	98,98,98,98	7
74	OHX	B1	3471	7/7	0.99	0.11	130,130,130,130	7
74	OHX	C1	1906	7/7	0.99	0.13	101,101,101,101	7
74	OHX	C1	1917	7/7	0.99	0.15	130,130,130,130	7
74	OHX	C1	1918	7/7	0.99	0.14	123,123,123,123	7

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

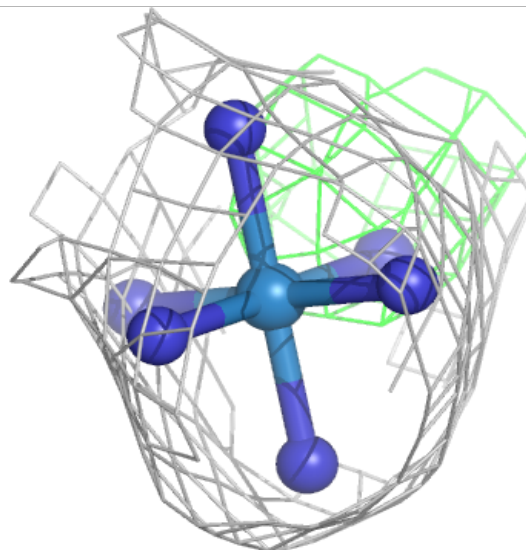
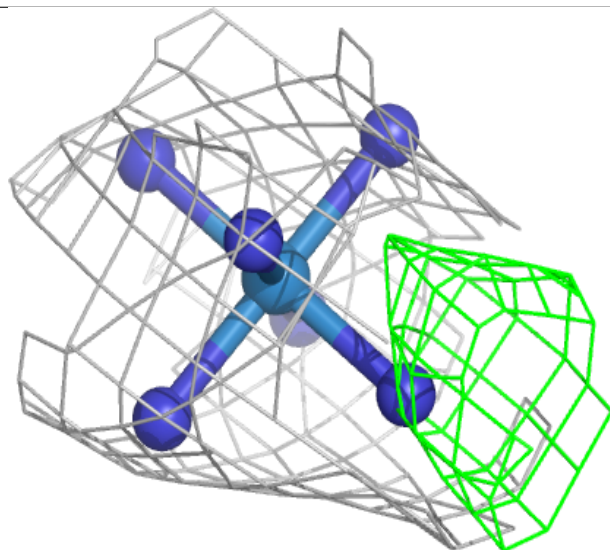
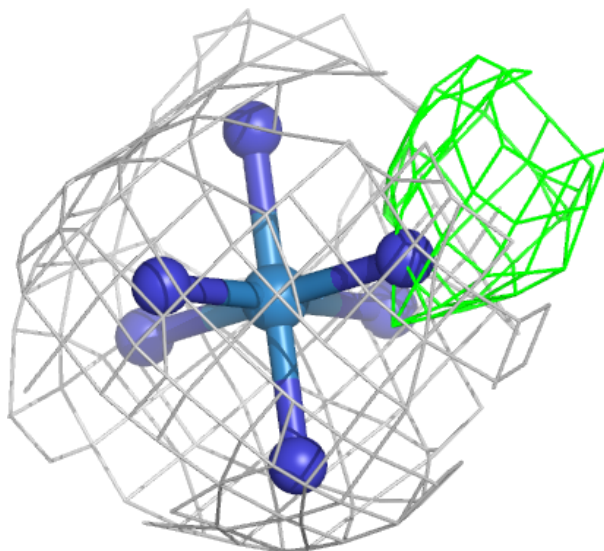
Electron density around OHX C1 1998:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



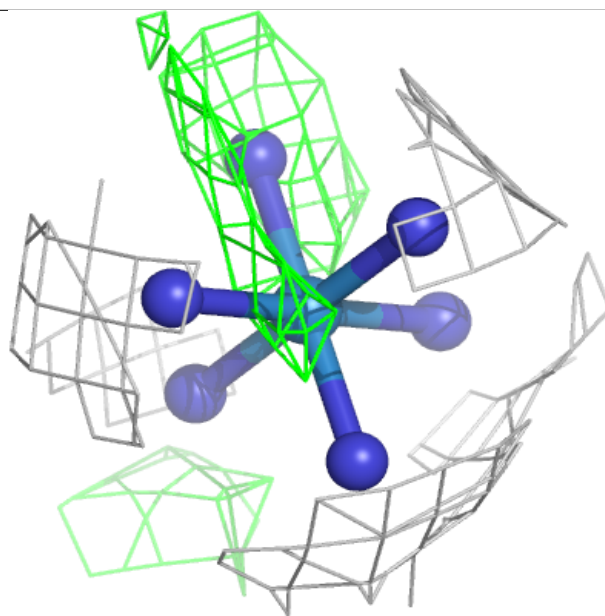
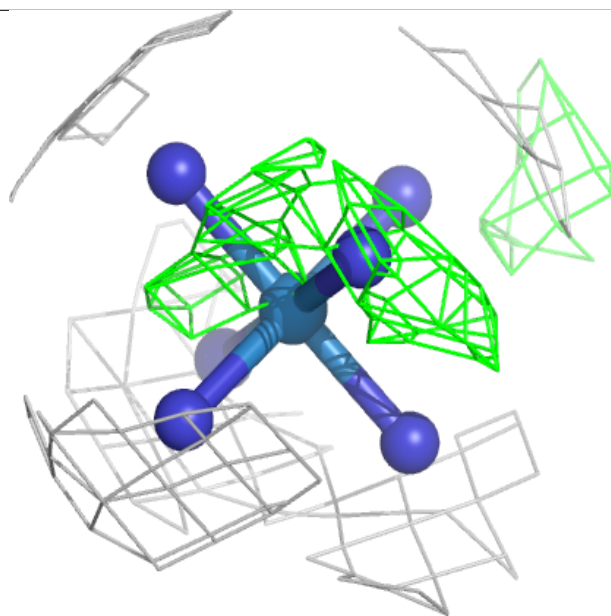
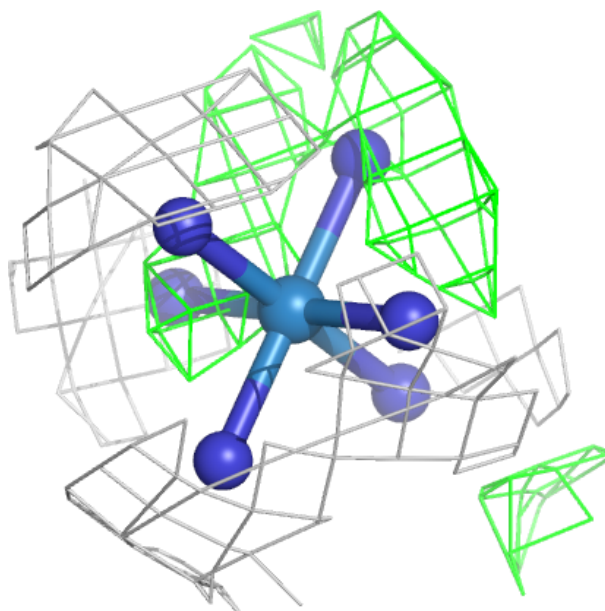
Electron density around OHX A1 1983:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



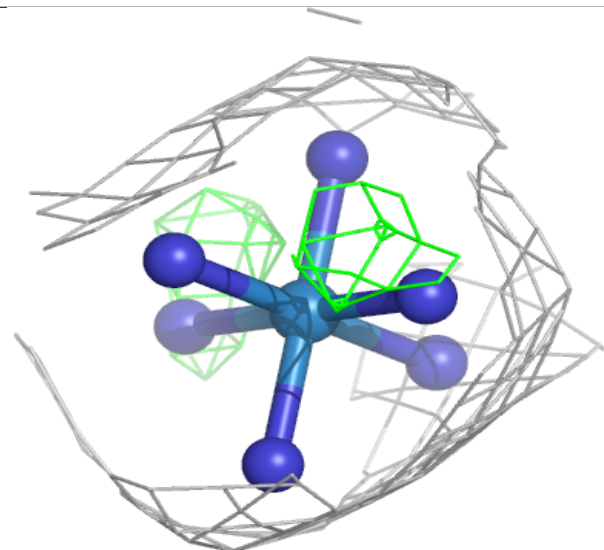
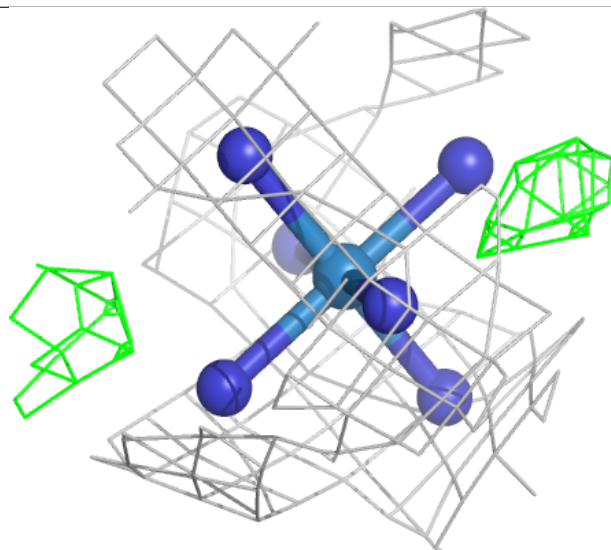
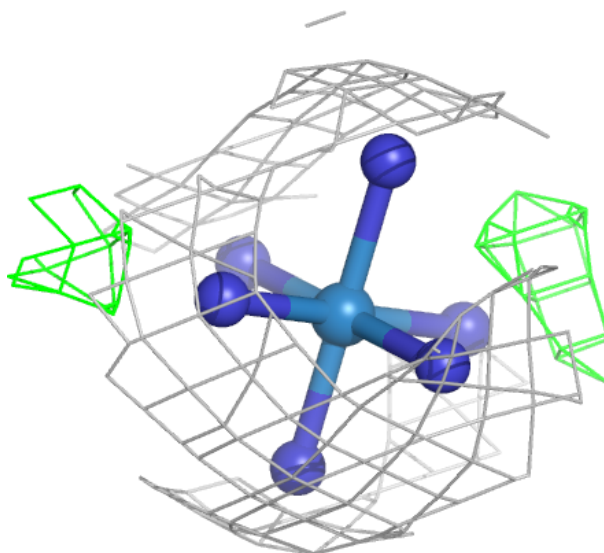
Electron density around OHX B1 3554:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



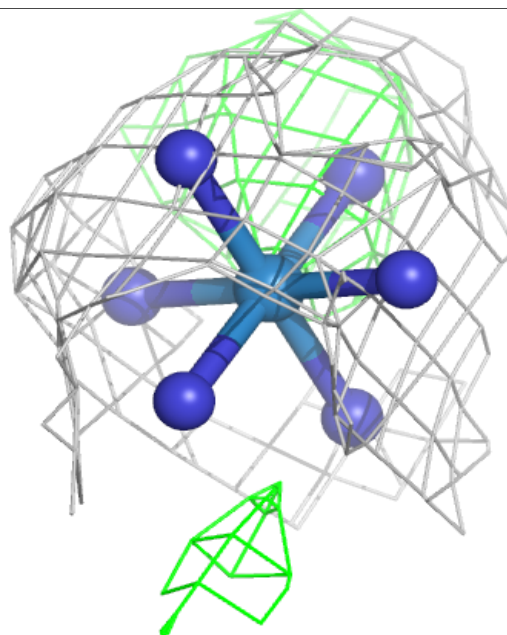
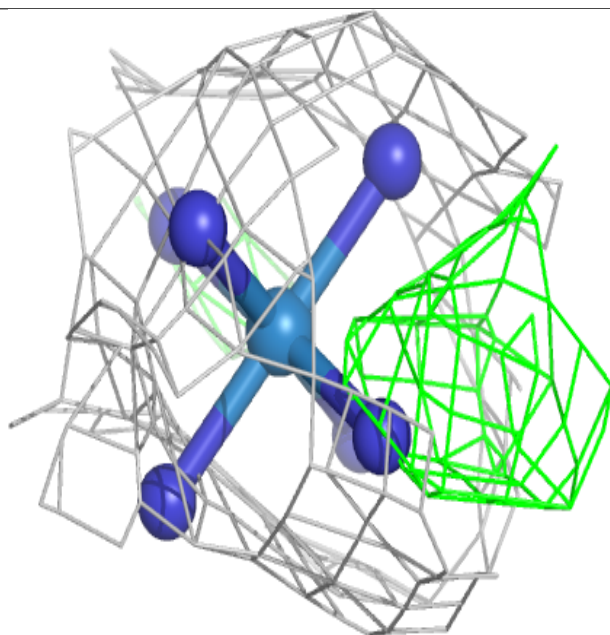
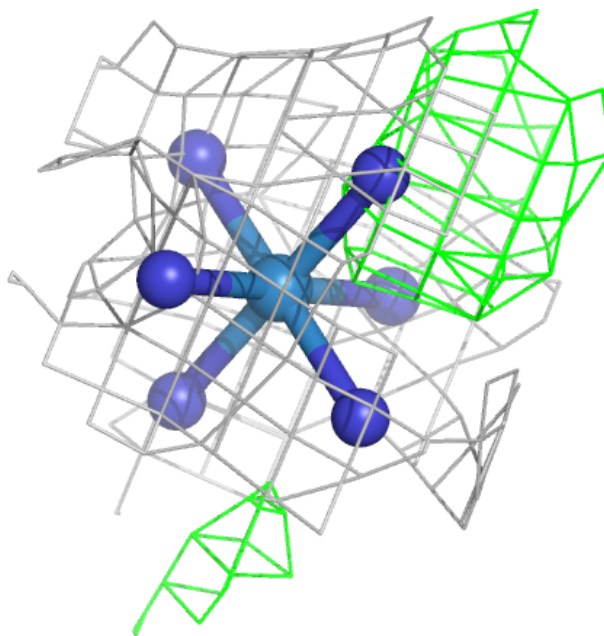
Electron density around OHX B1 3548:

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 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



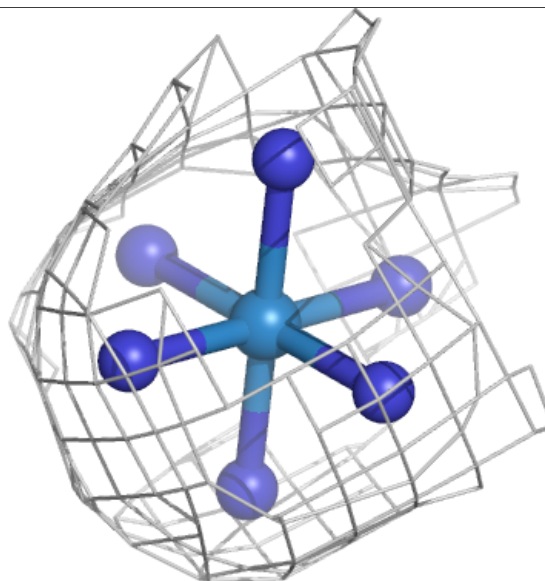
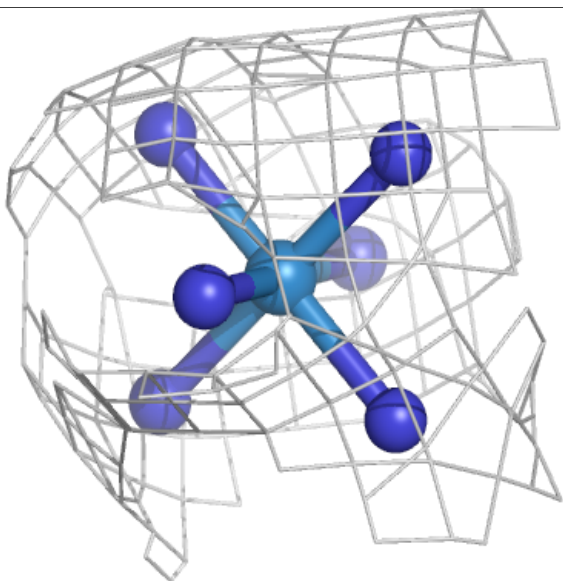
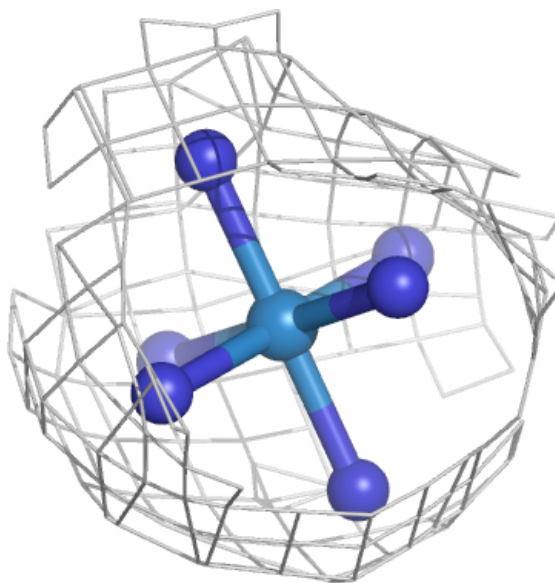
Electron density around OHX D1 3586:

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and green (positive)



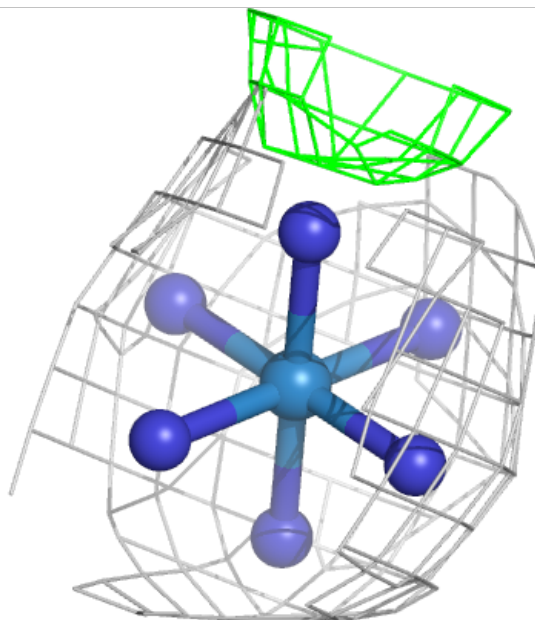
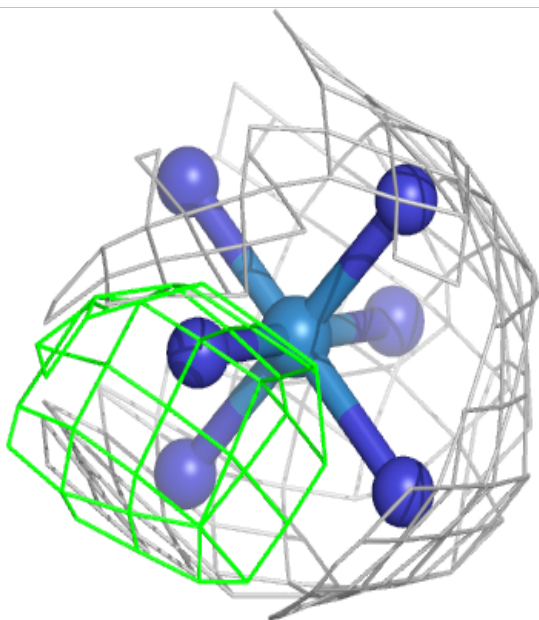
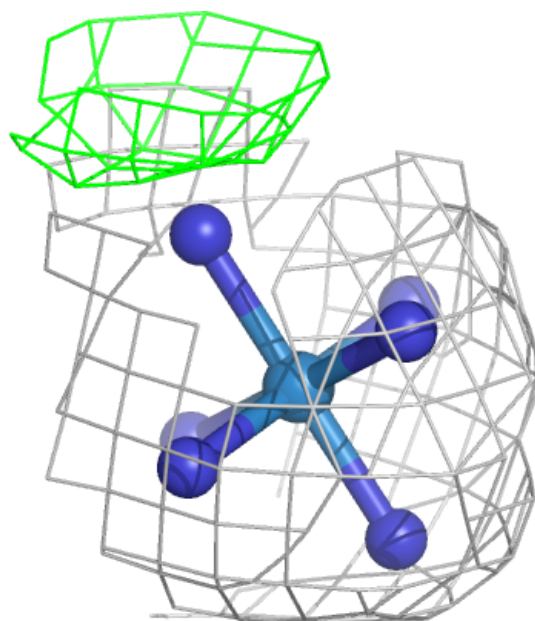
Electron density around OHX C1 1989:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



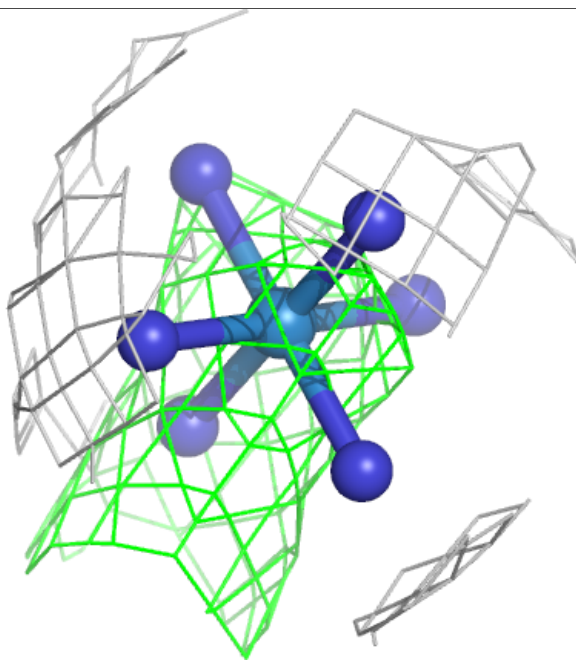
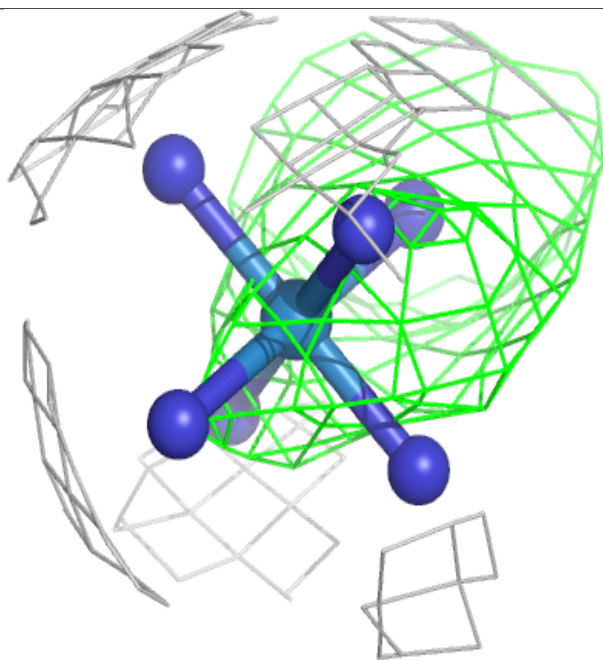
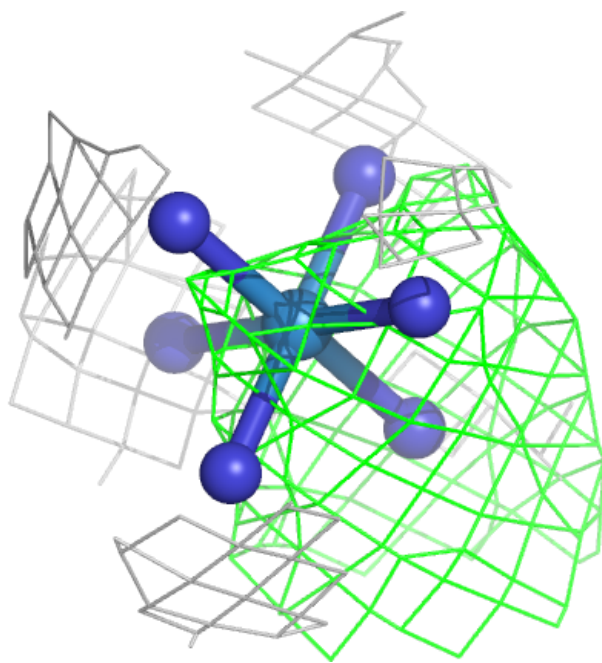
Electron density around OHX B1 3613:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



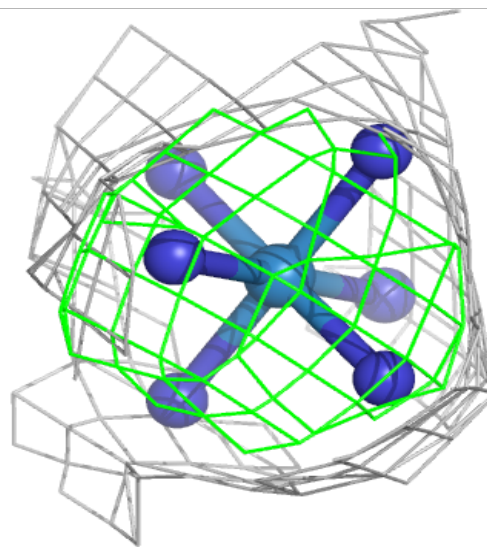
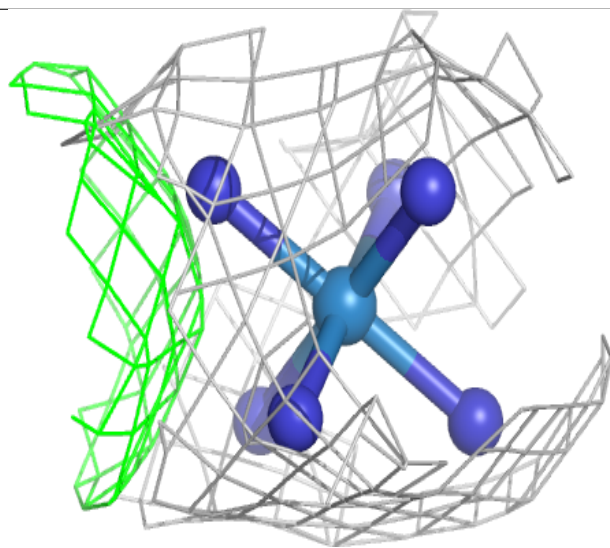
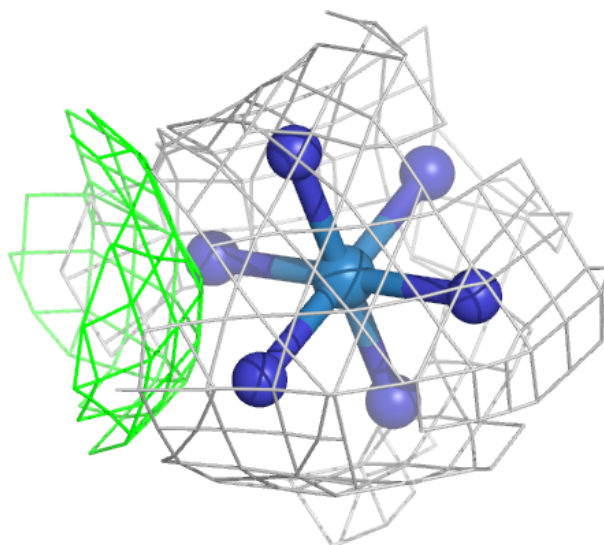
Electron density around OHX B1 3608:

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and green (positive)



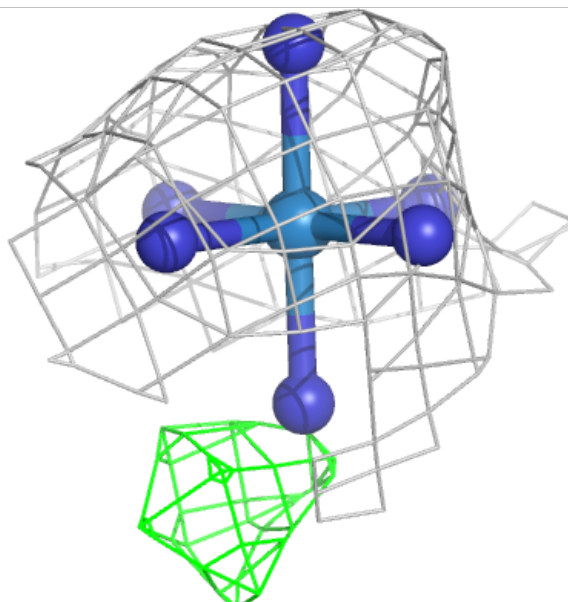
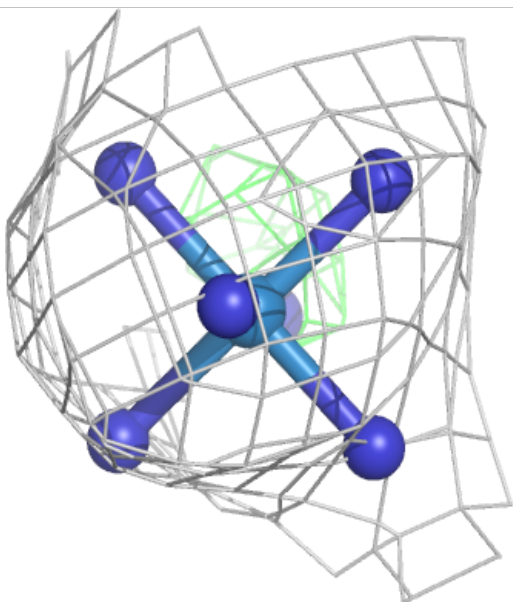
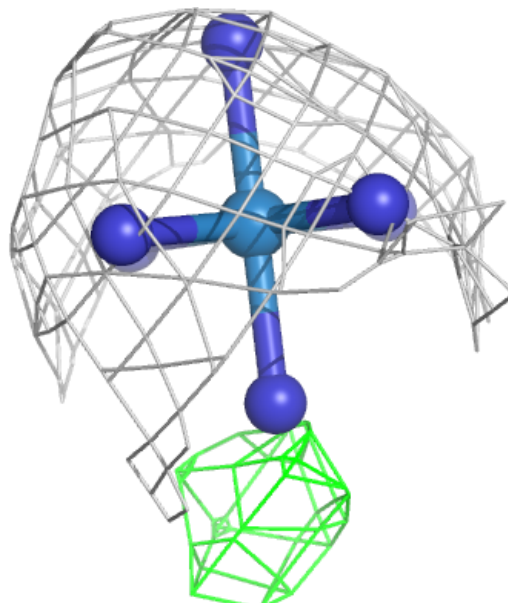
Electron density around OHX D1 3535:

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and green (positive)



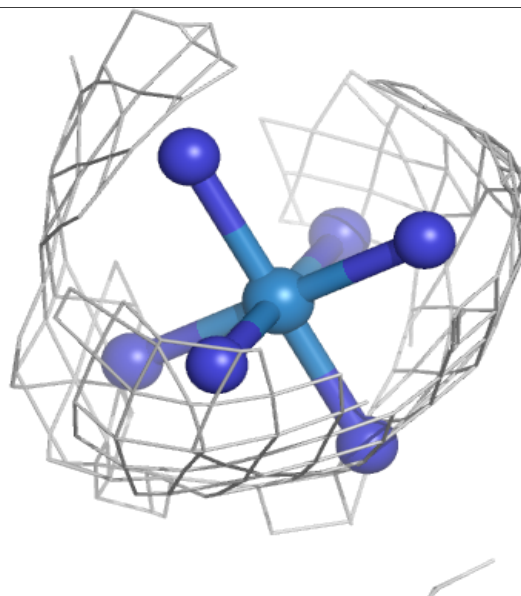
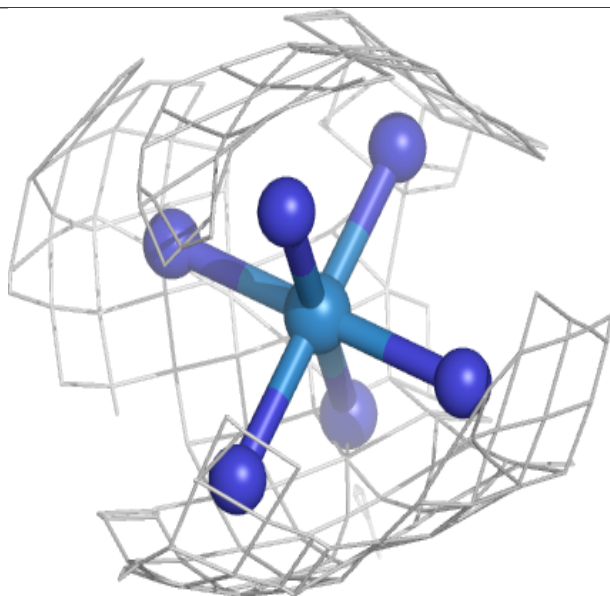
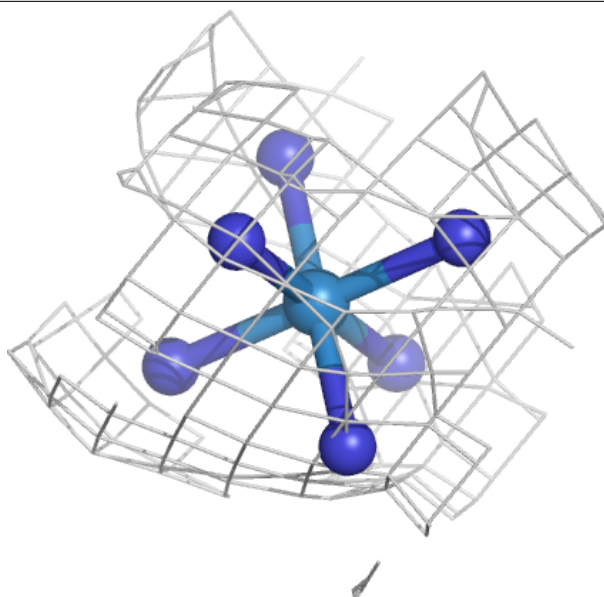
Electron density around OHX B1 3592:

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 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



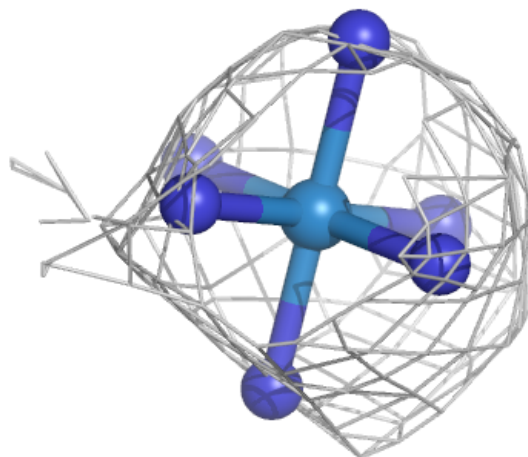
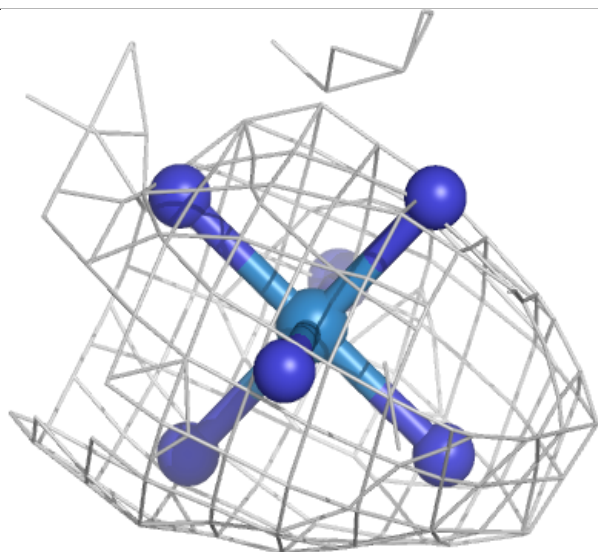
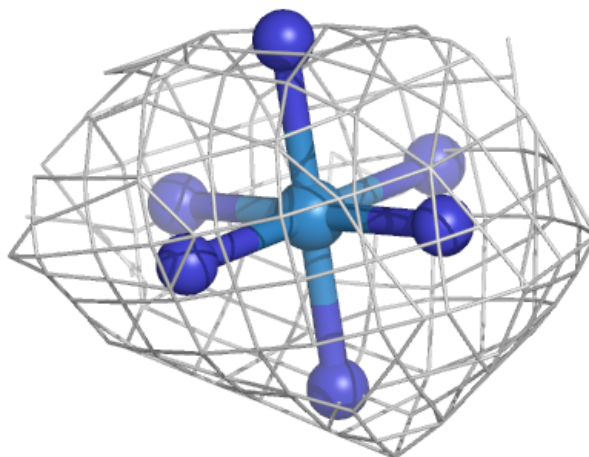
Electron density around OHX A1 1993:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



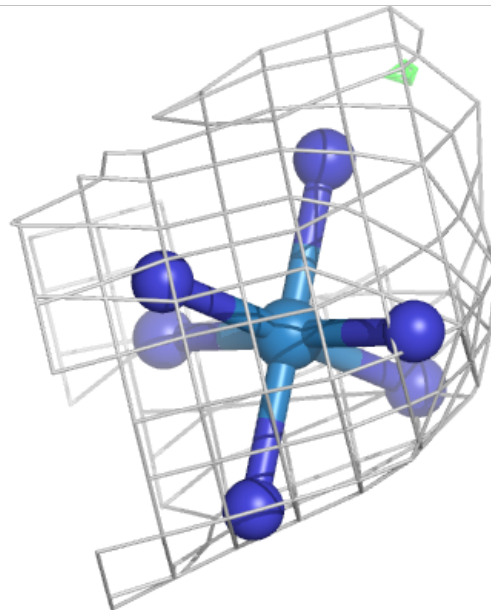
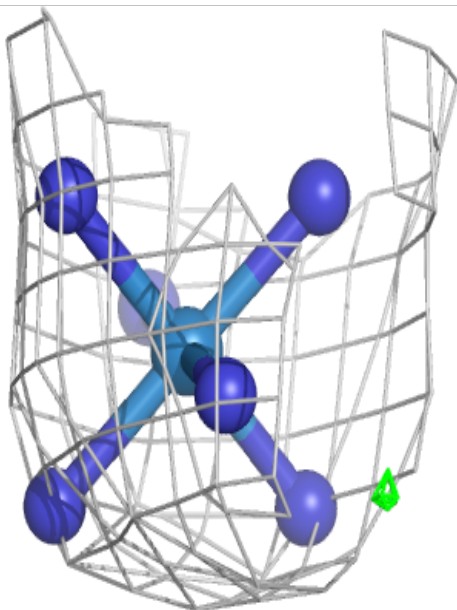
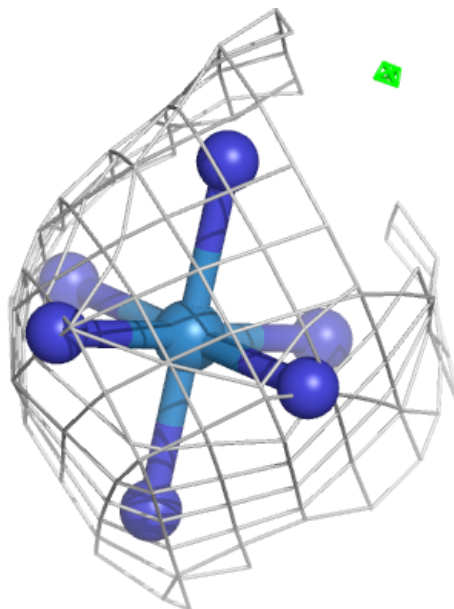
Electron density around OHX B1 3577:

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and green (positive)



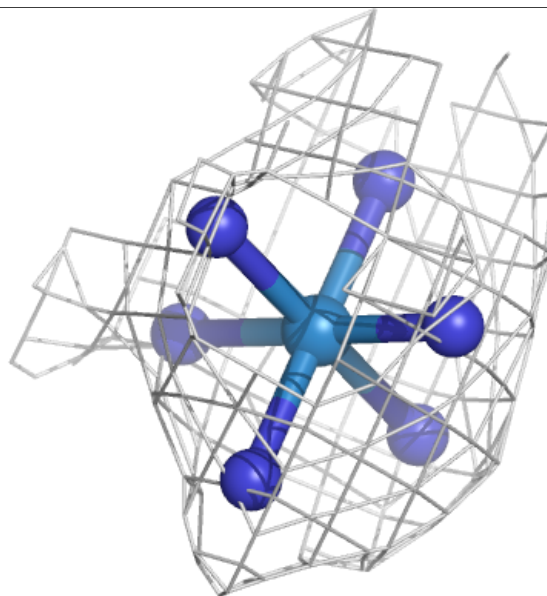
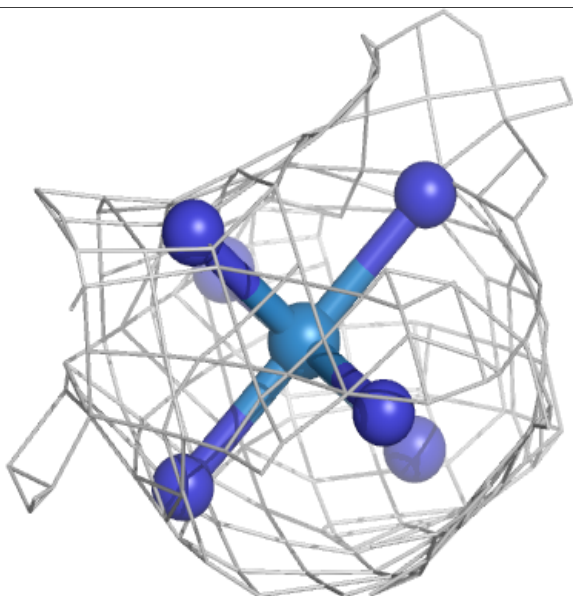
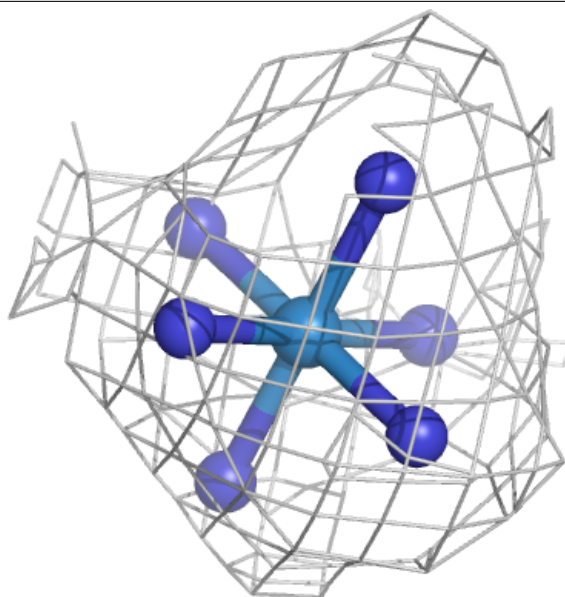
Electron density around OHX D1 3616:

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and green (positive)



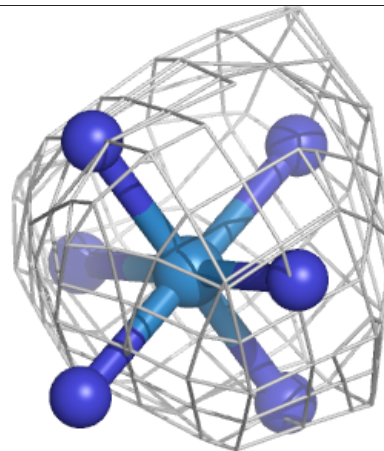
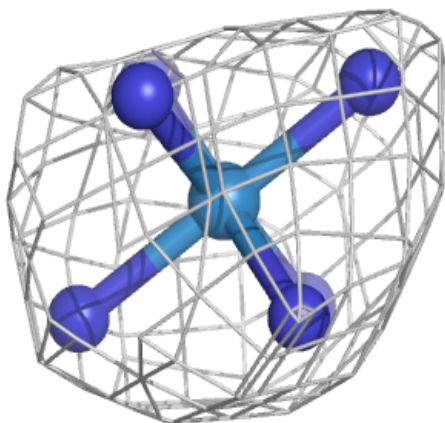
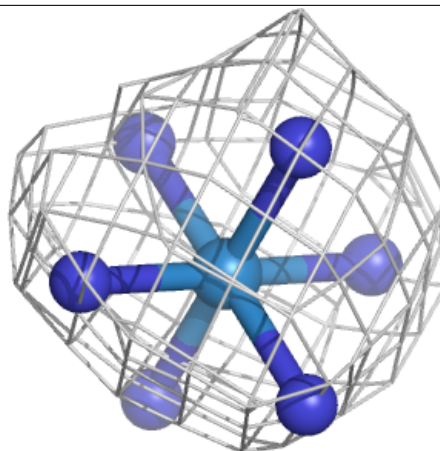
Electron density around OHX D1 3601:

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and green (positive)



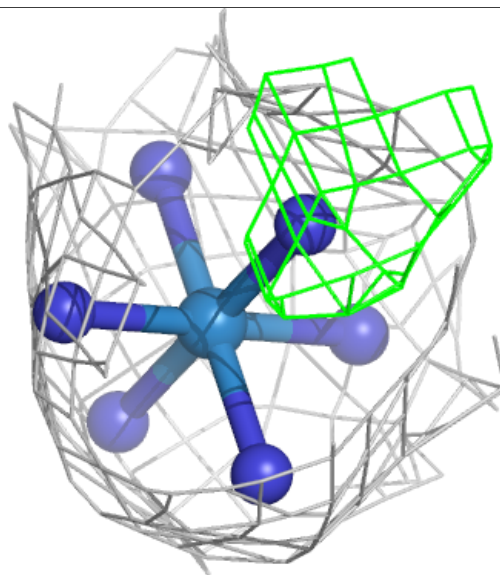
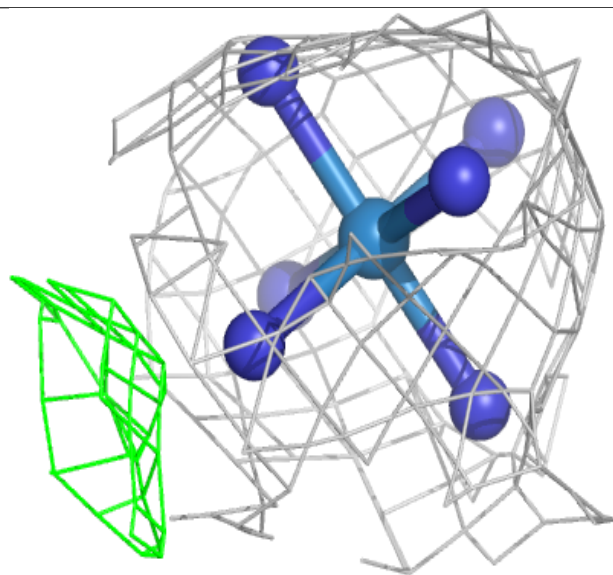
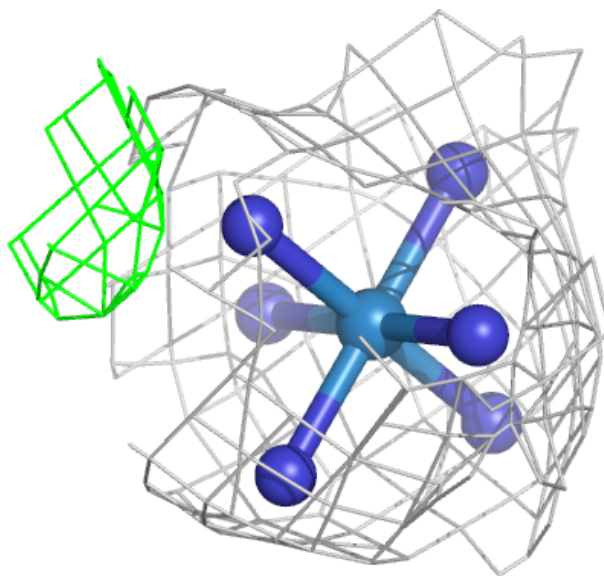
Electron density around OHX D1 3605:

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and green (positive)



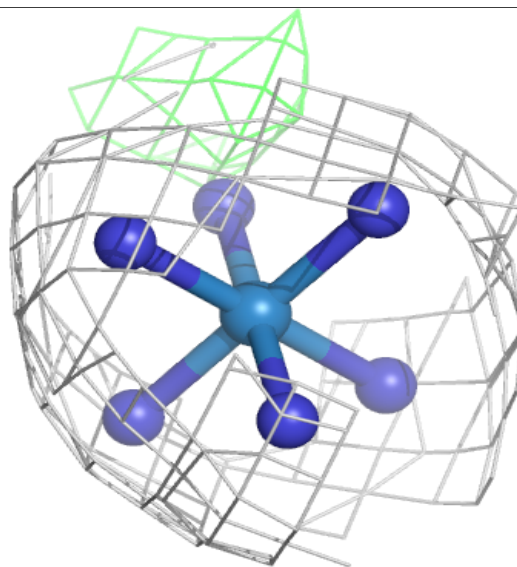
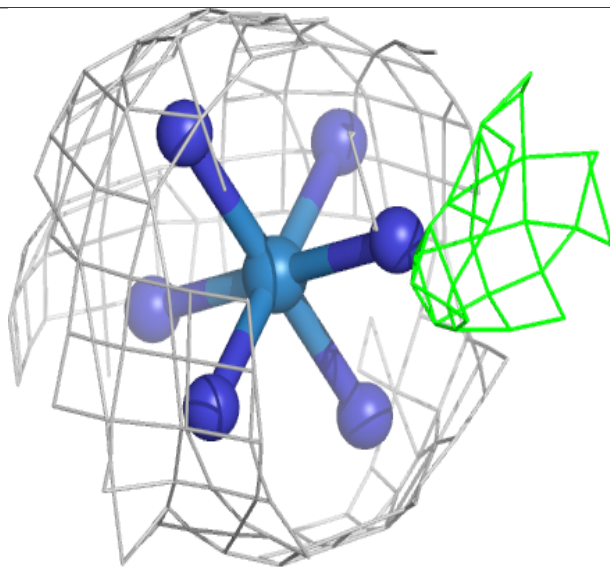
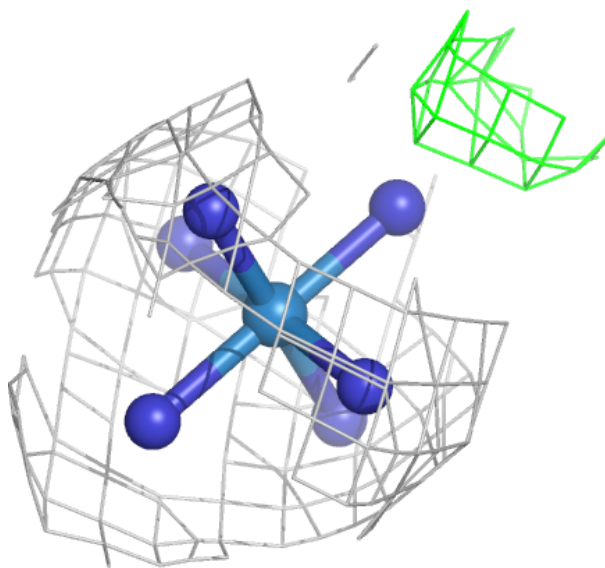
Electron density around OHX C1 1974:

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and green (positive)



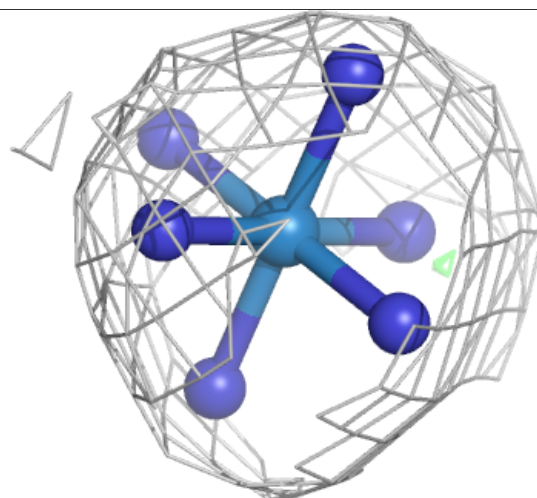
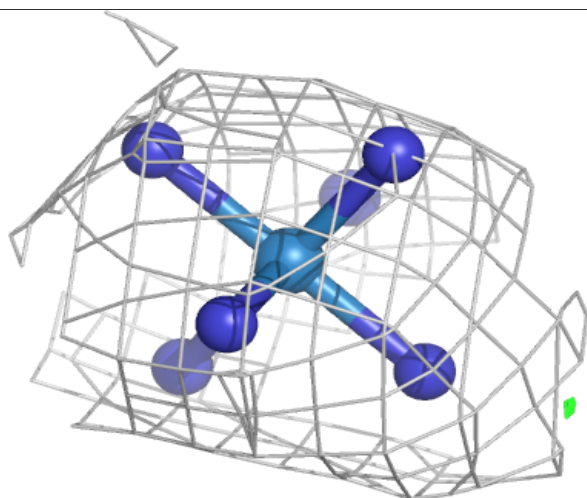
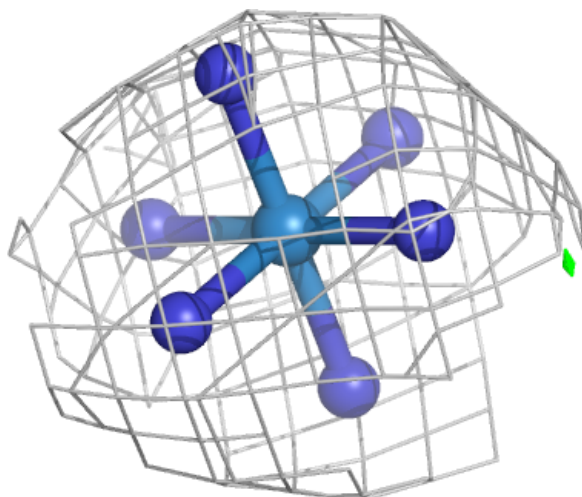
Electron density around OHX A1 1966:

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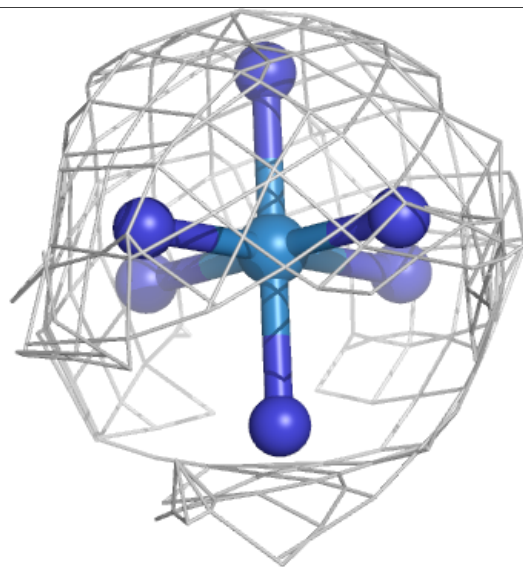
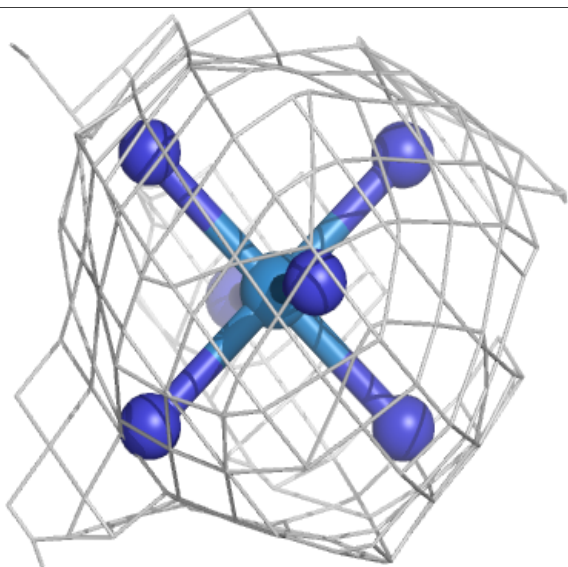
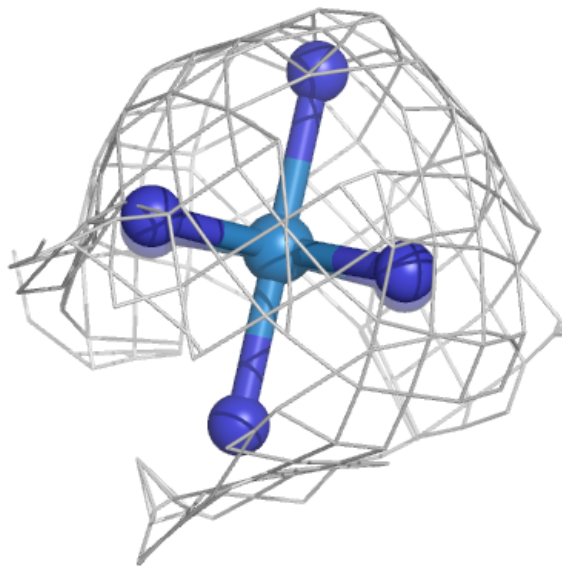
Electron density around OHX D1 3541:

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 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



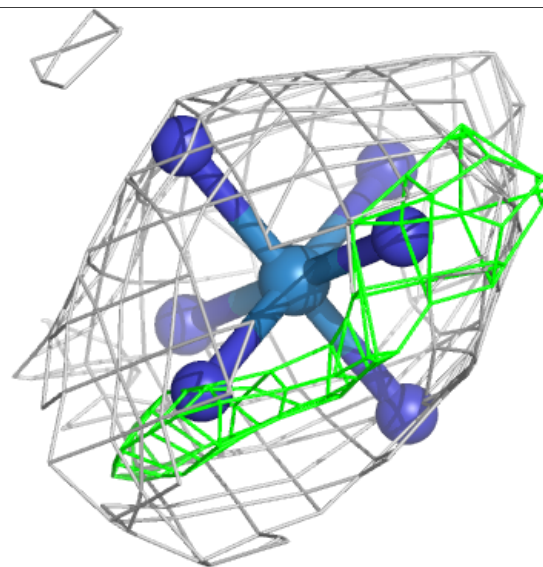
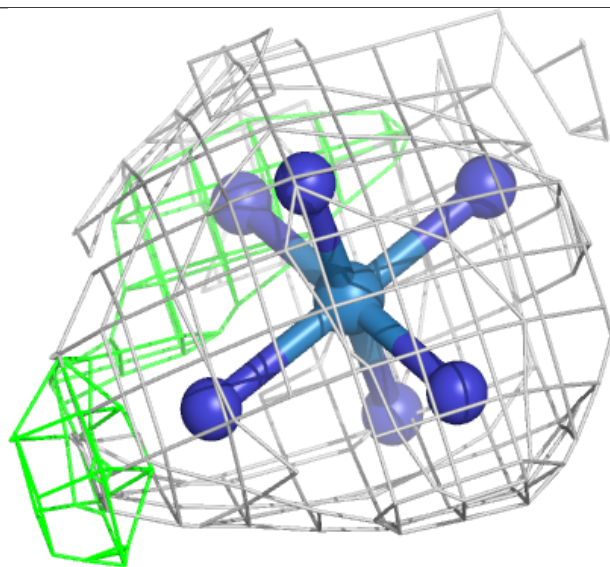
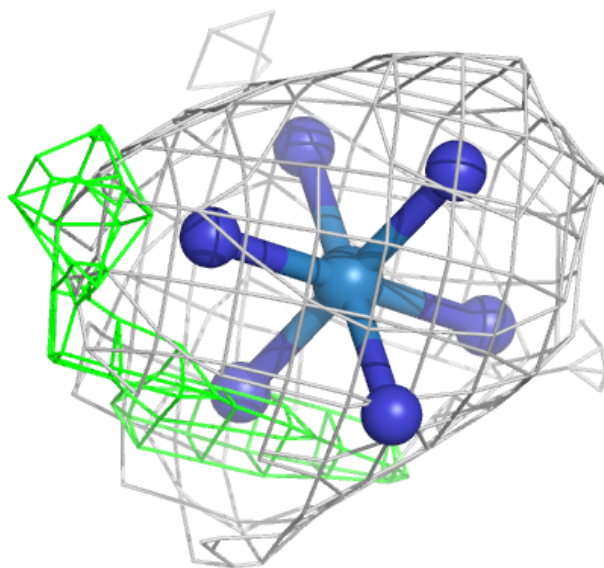
Electron density around OHX C1 1991:

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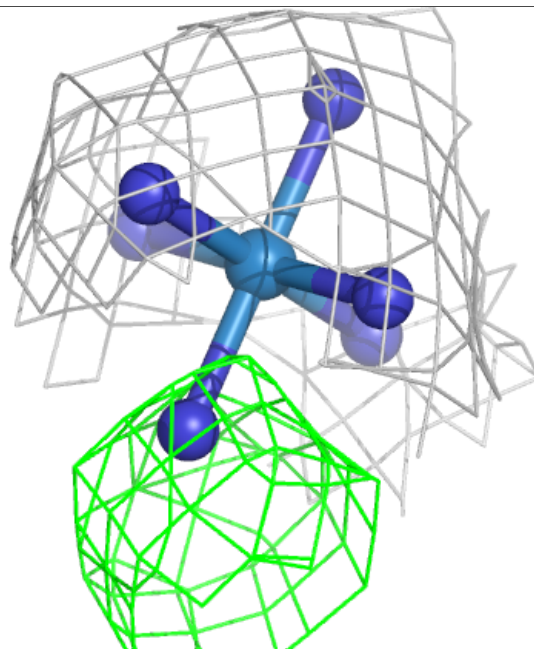
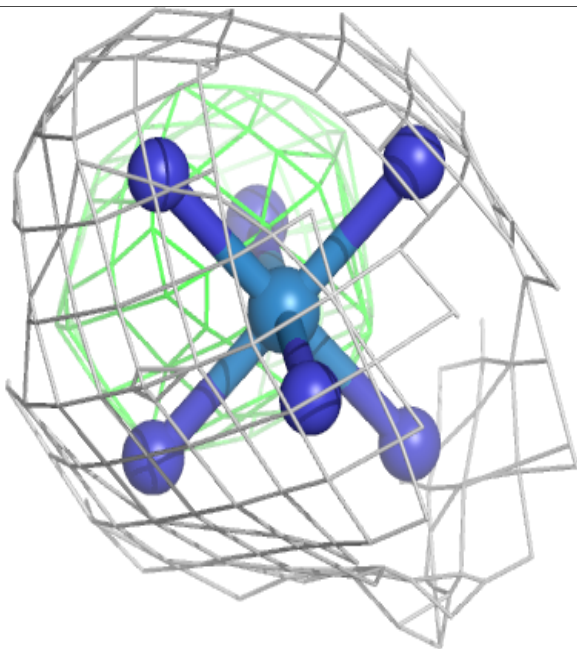
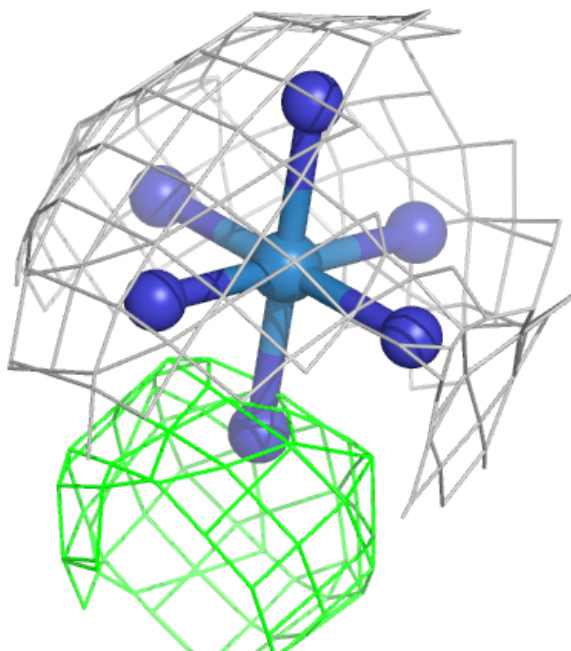
Electron density around OHX B1 3589:

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and green (positive)



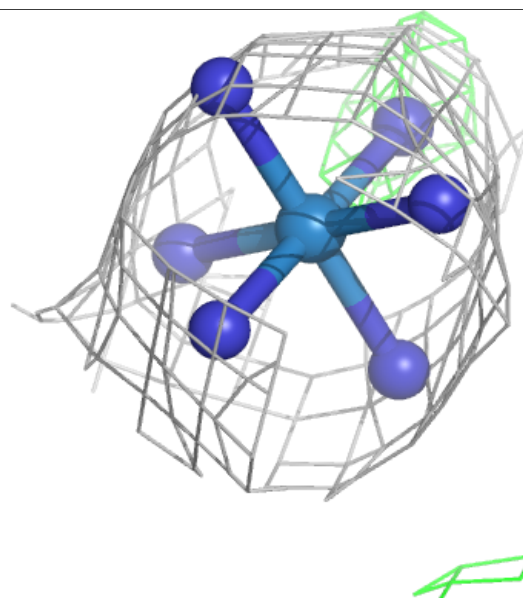
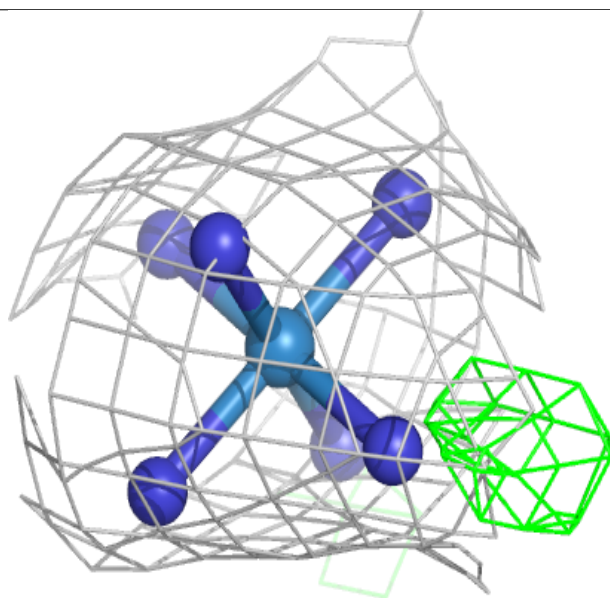
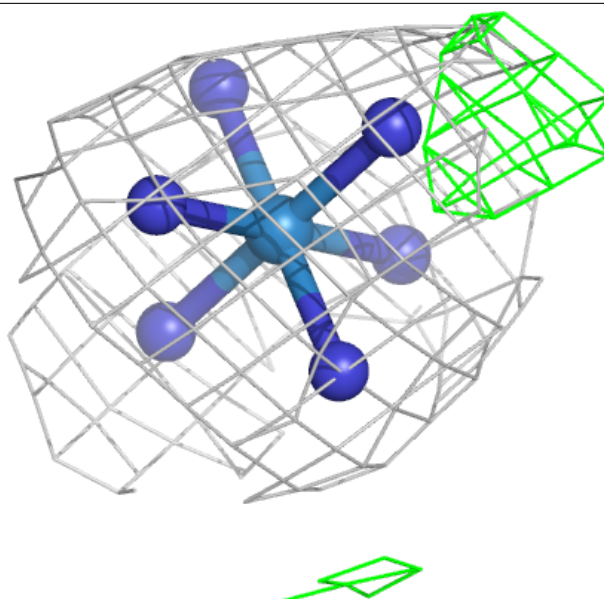
Electron density around OHX D3 206:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



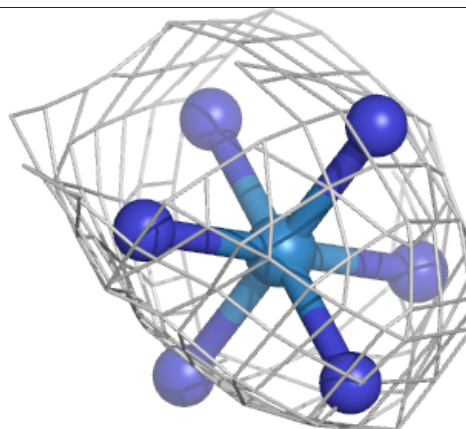
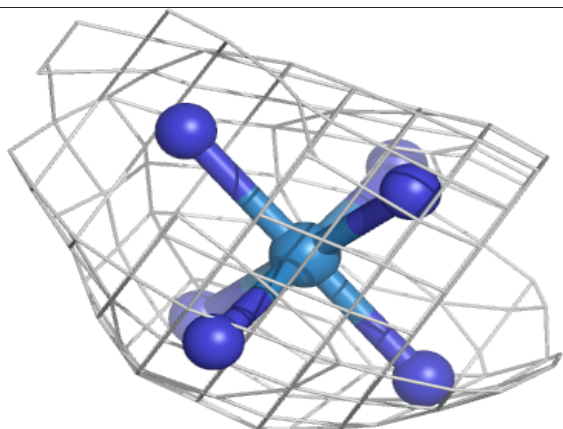
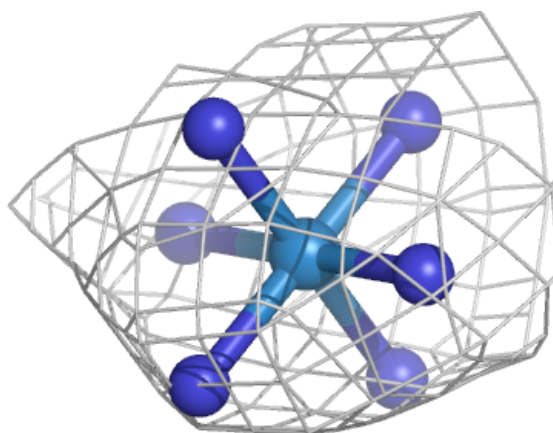
Electron density around OHX B2 208:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



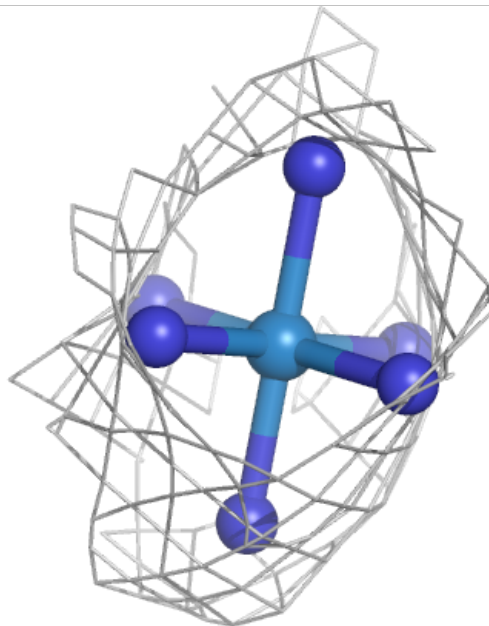
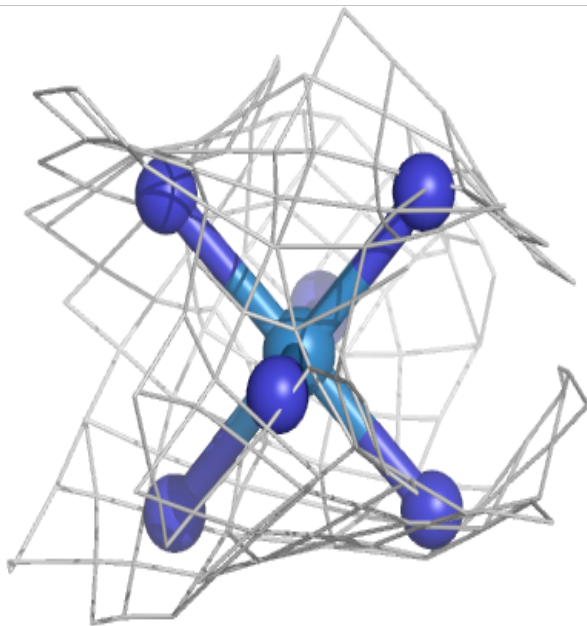
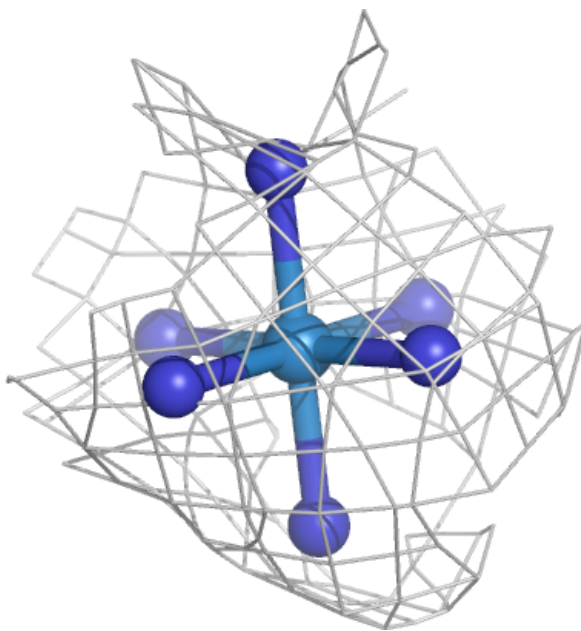
Electron density around OHX C1 1978:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



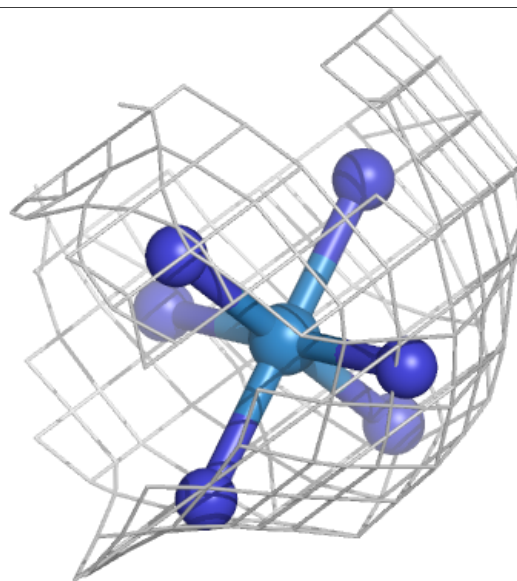
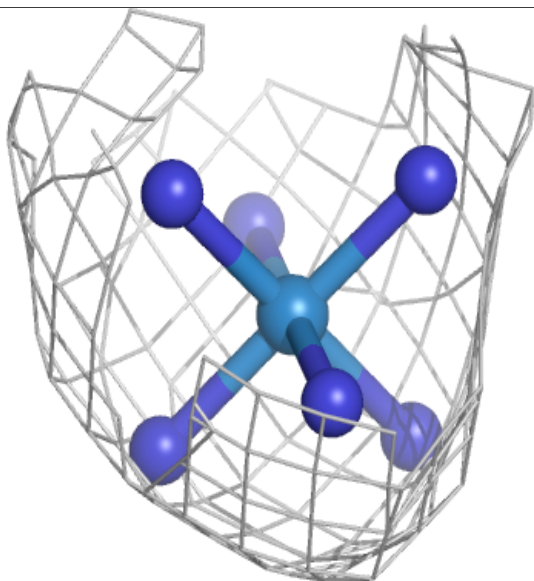
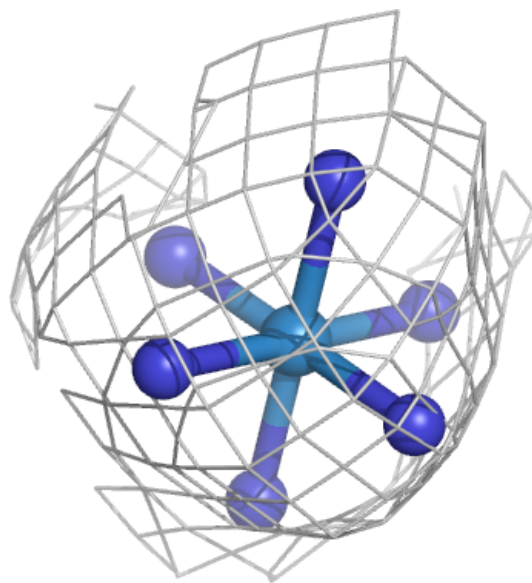
Electron density around OHX B2 210:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



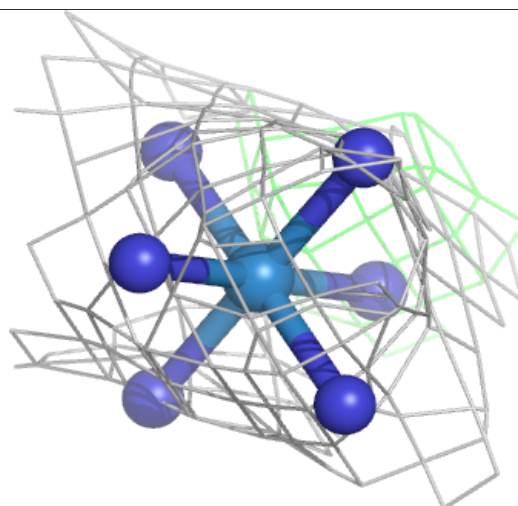
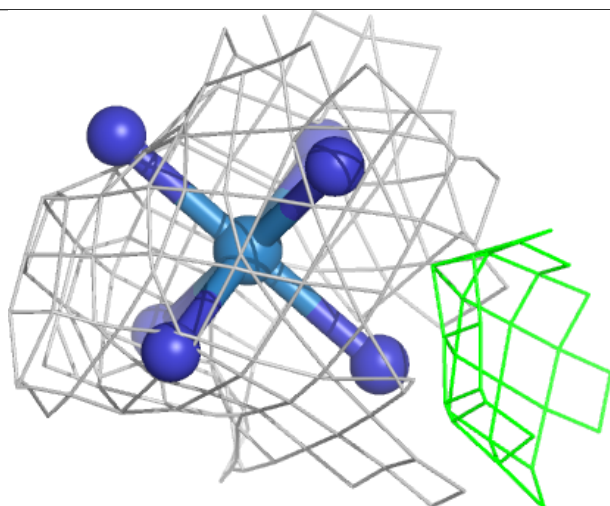
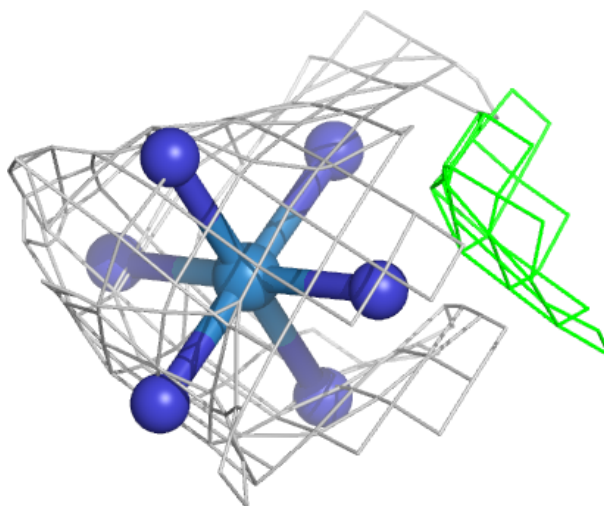
Electron density around OHX C1 1985:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



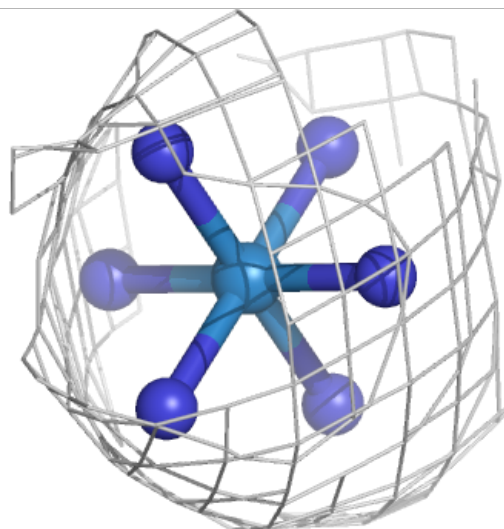
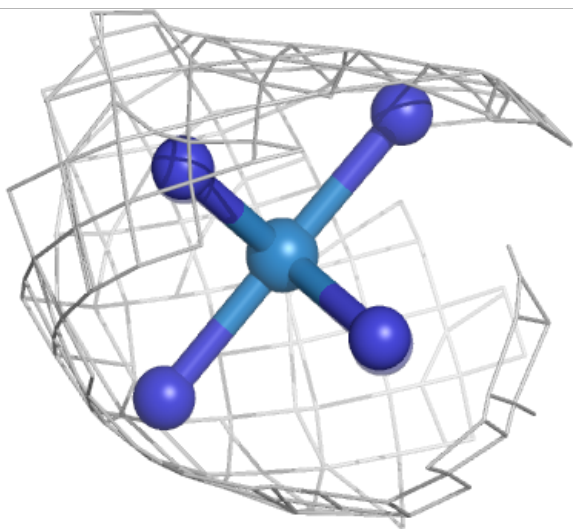
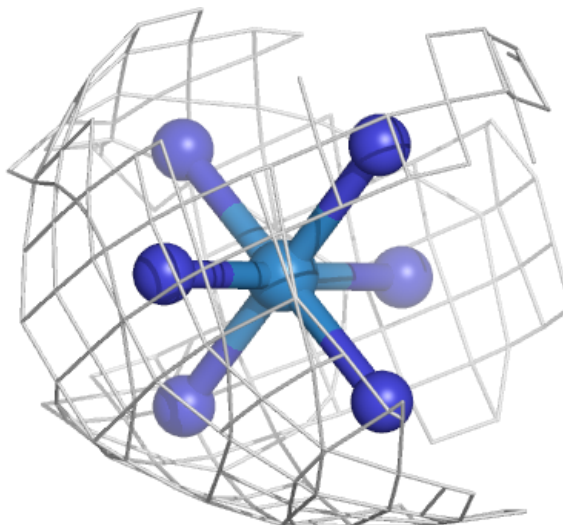
Electron density around OHX C1 1988:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



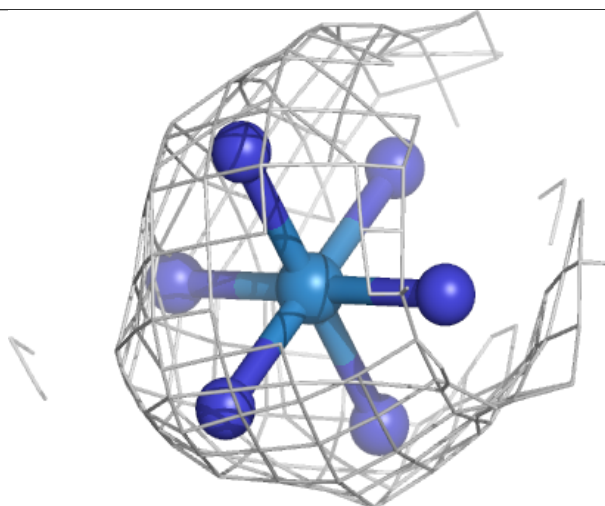
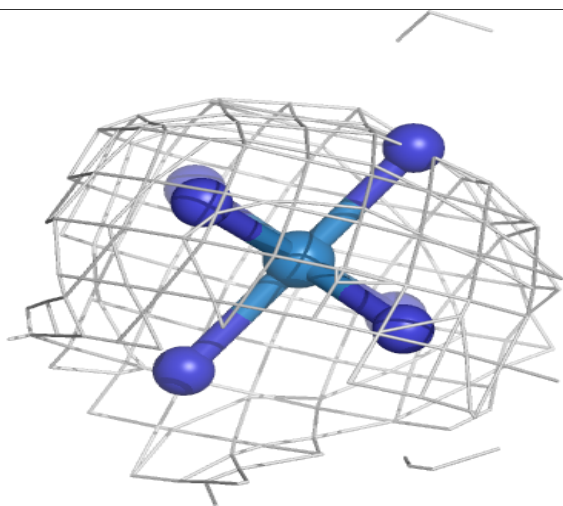
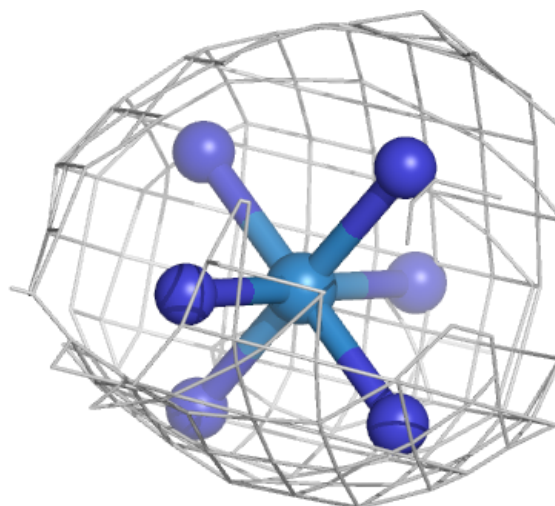
Electron density around OHX B2 207:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



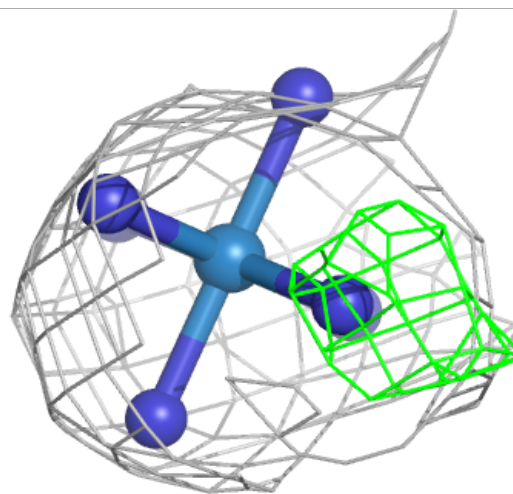
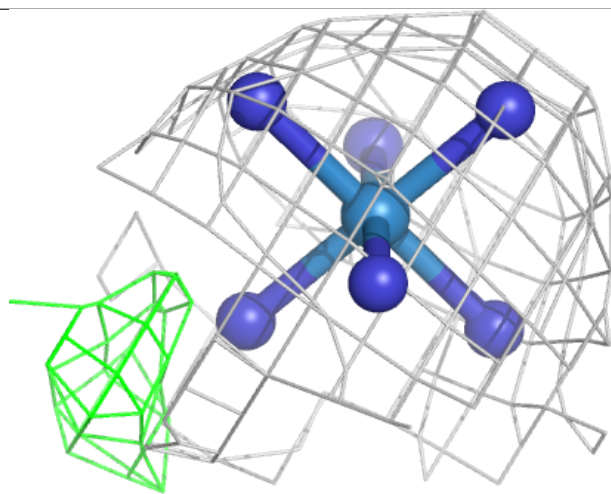
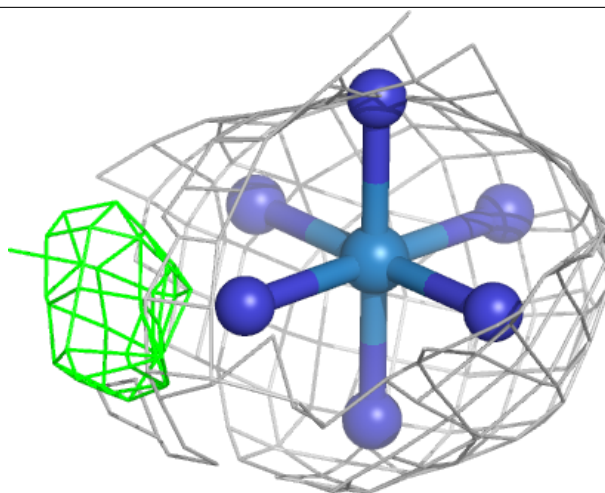
Electron density around OHX A1 1953:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



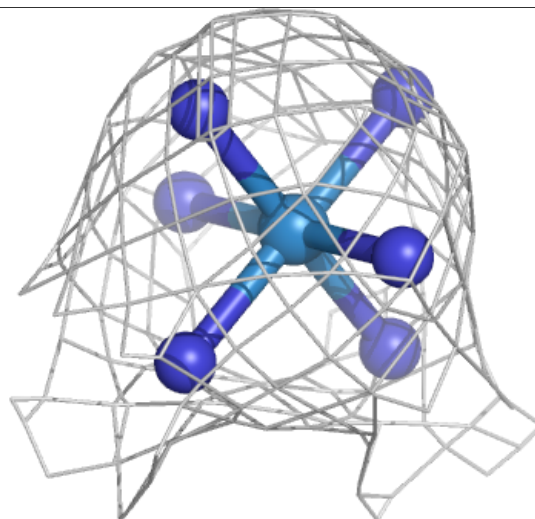
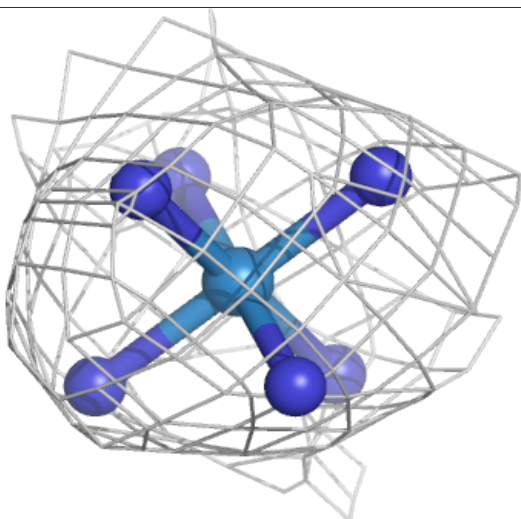
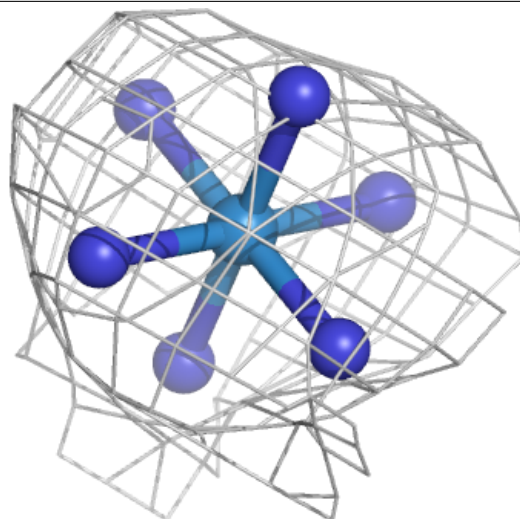
Electron density around OHX C1 1976:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



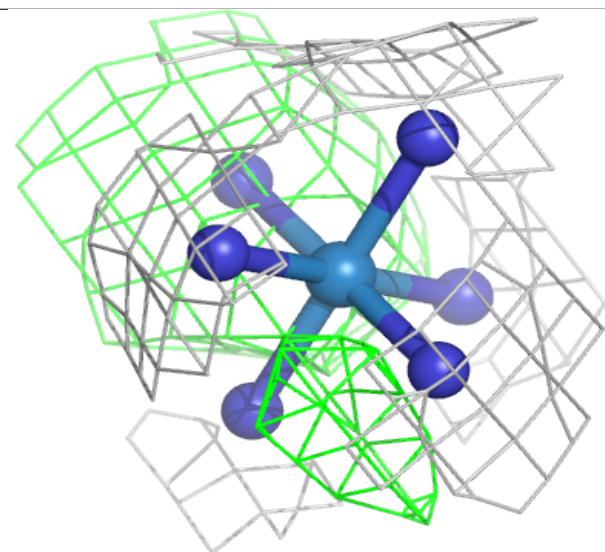
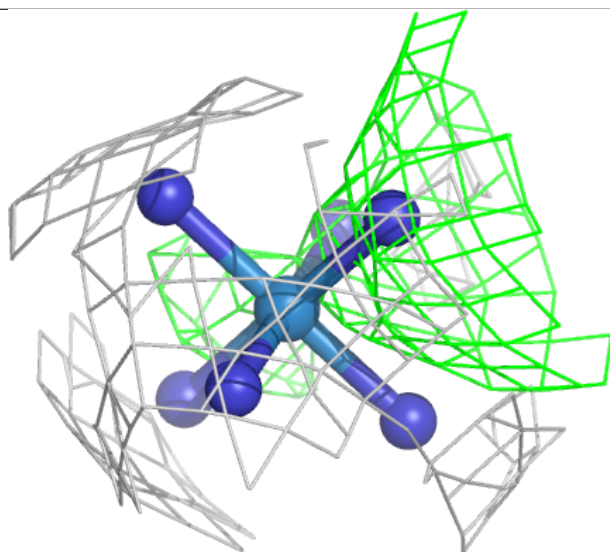
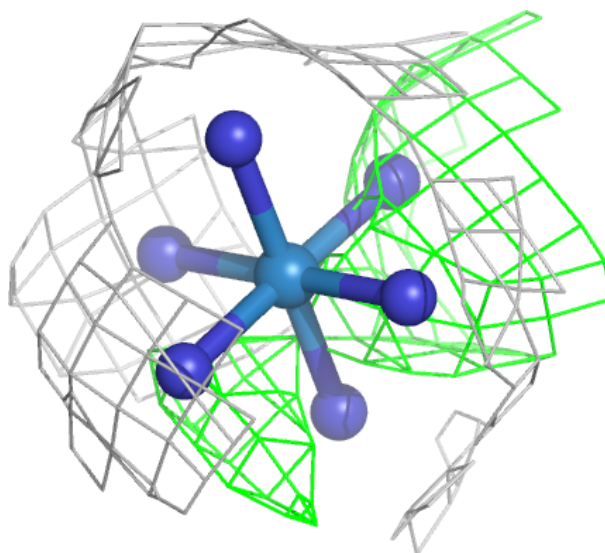
Electron density around OHX D1 3610:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



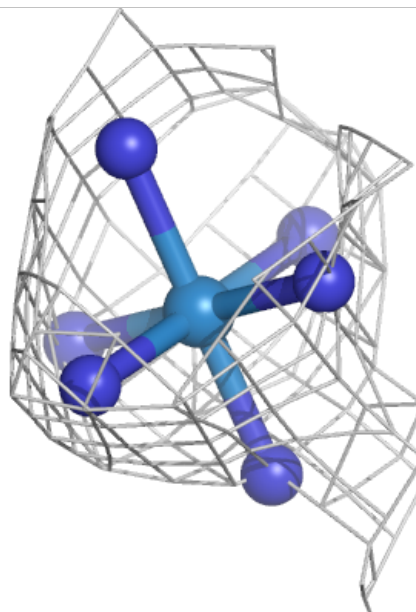
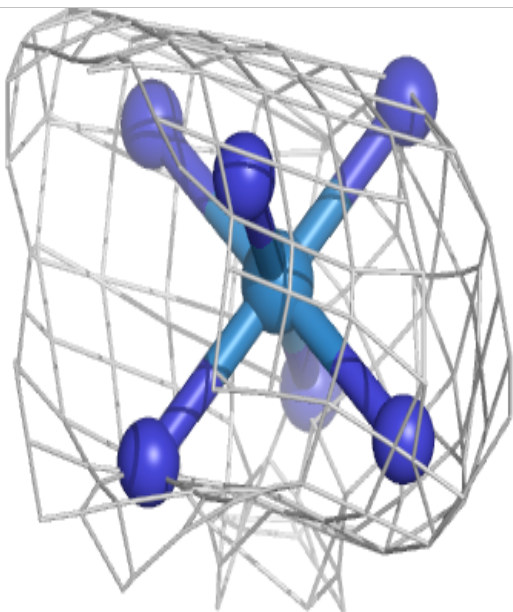
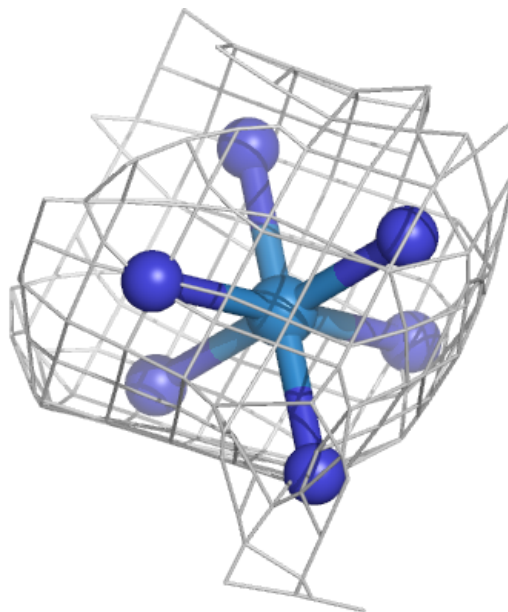
Electron density around OHX D1 3519:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



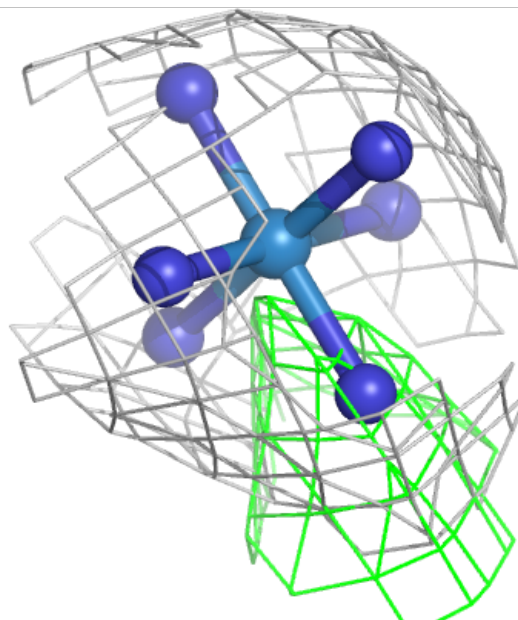
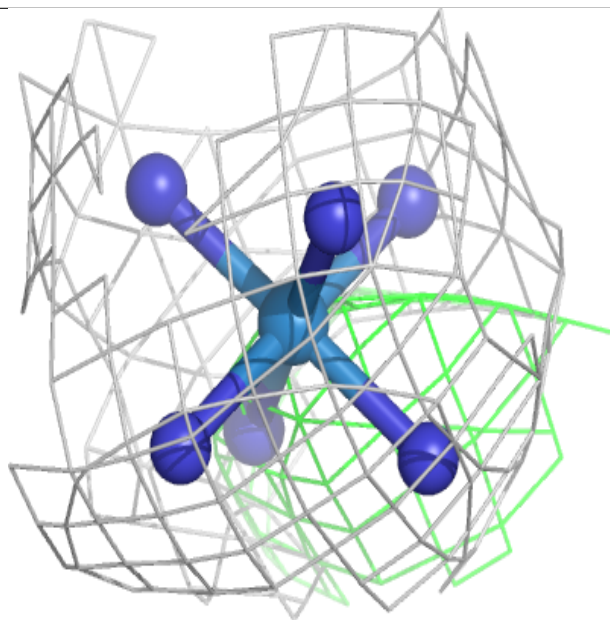
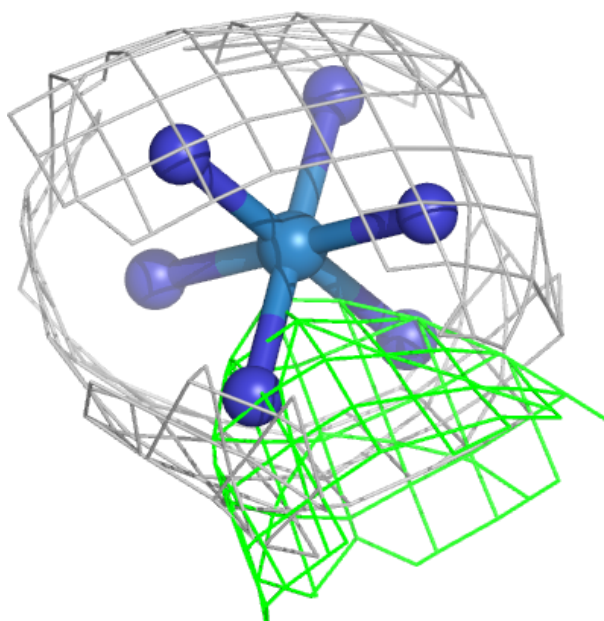
Electron density around OHX A1 1974:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



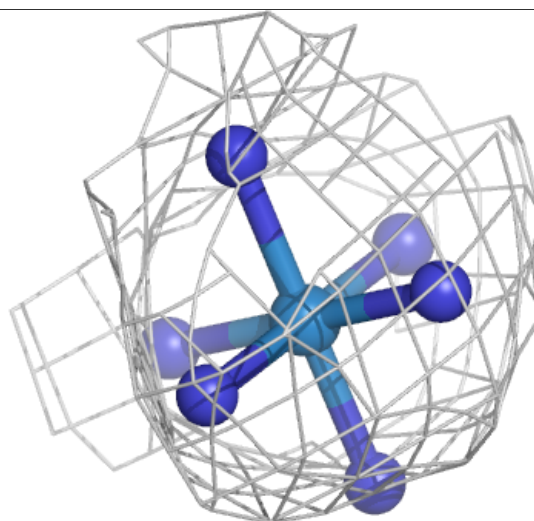
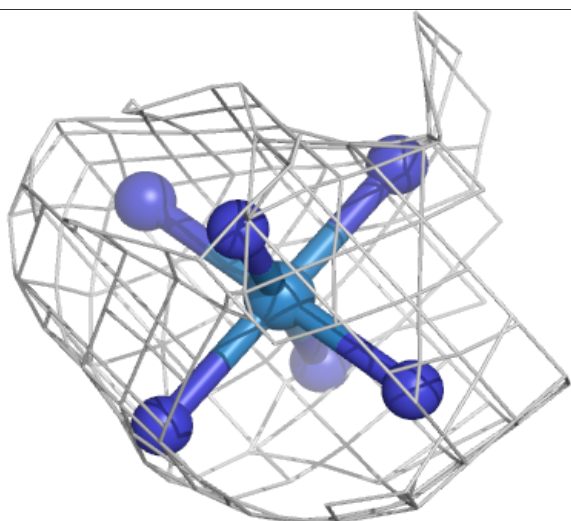
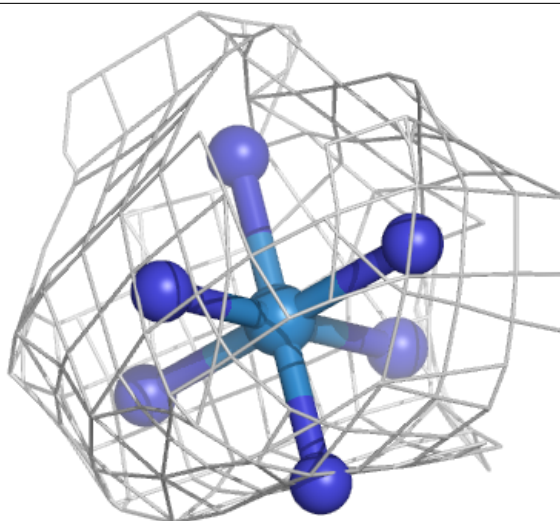
Electron density around OHX D1 3568:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



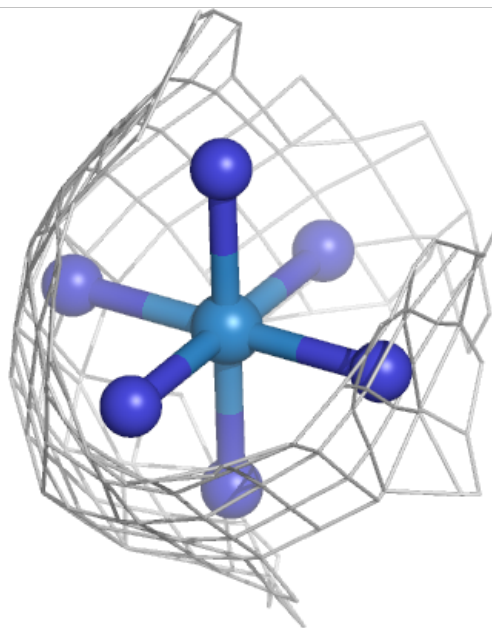
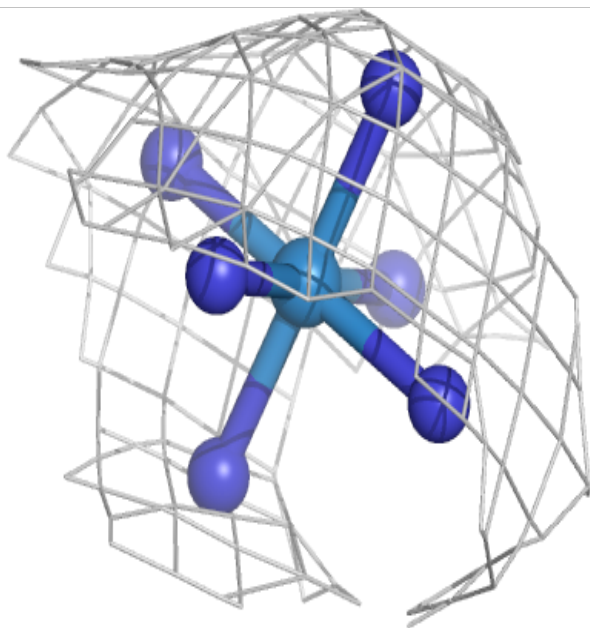
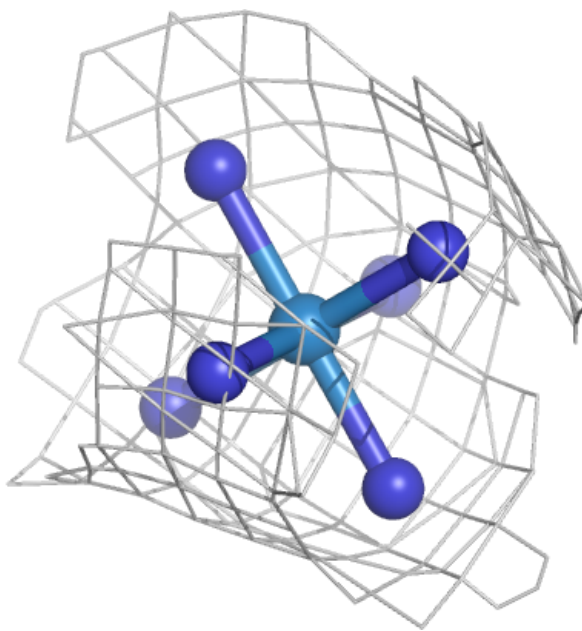
Electron density around OHX D1 3623:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



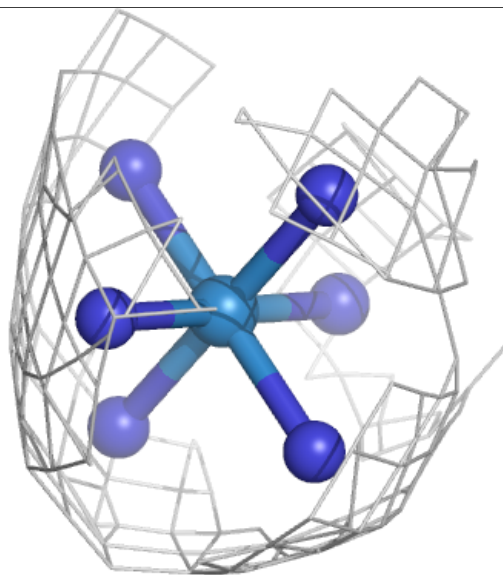
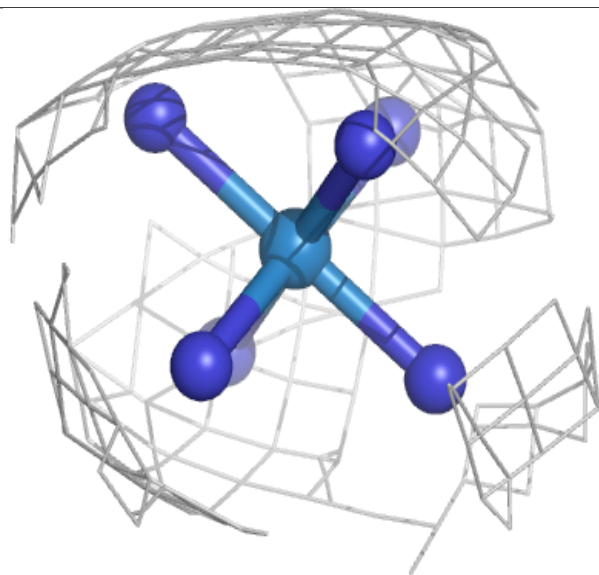
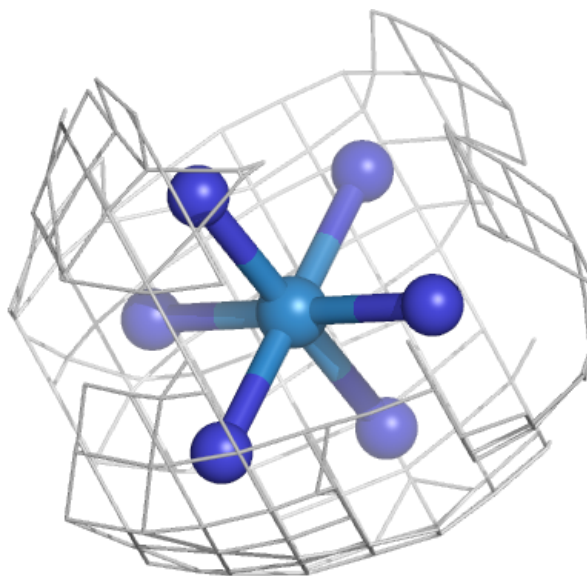
Electron density around OHX A1 1995:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



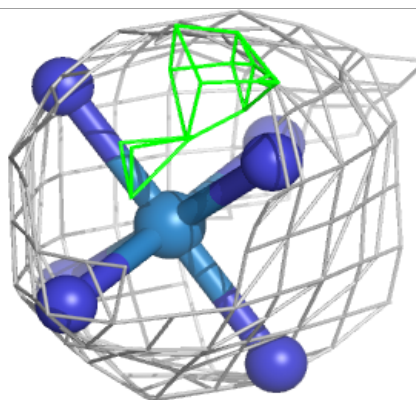
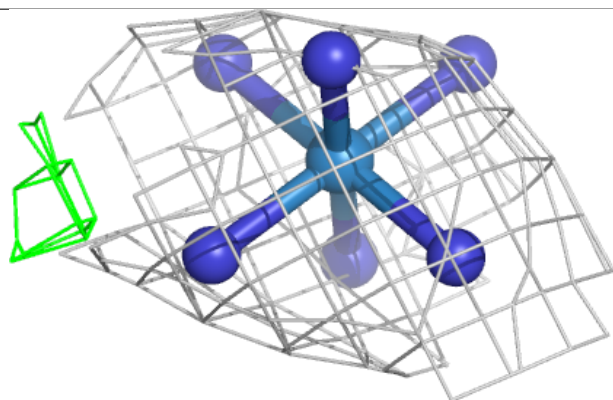
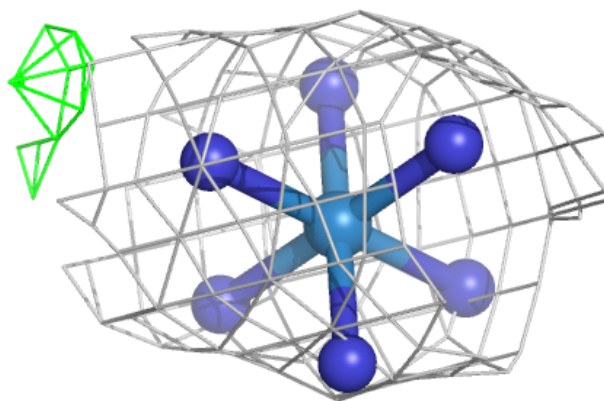
Electron density around OHX D1 3603:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



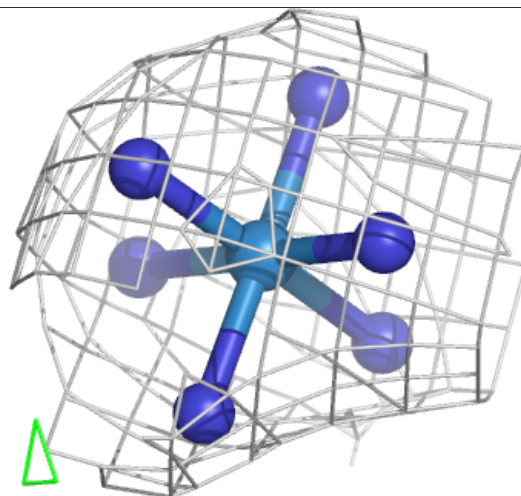
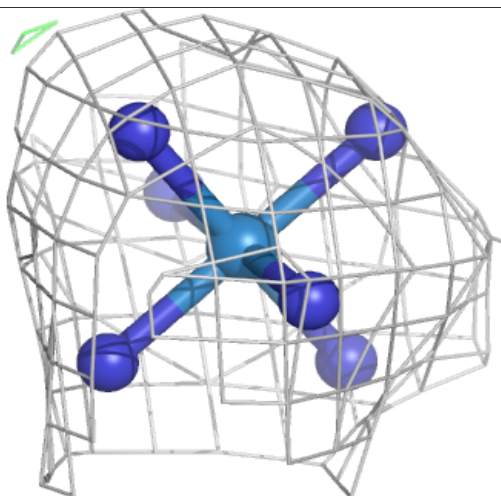
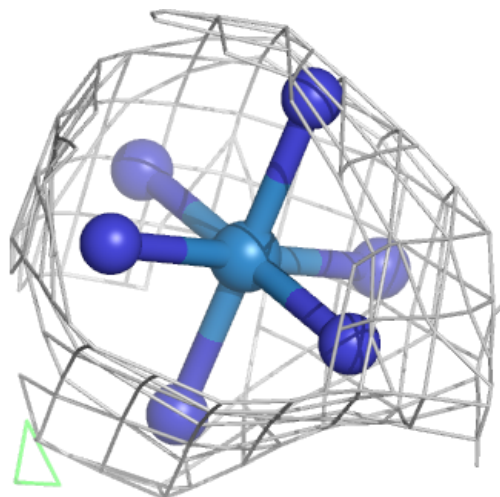
Electron density around OHX D1 3522:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



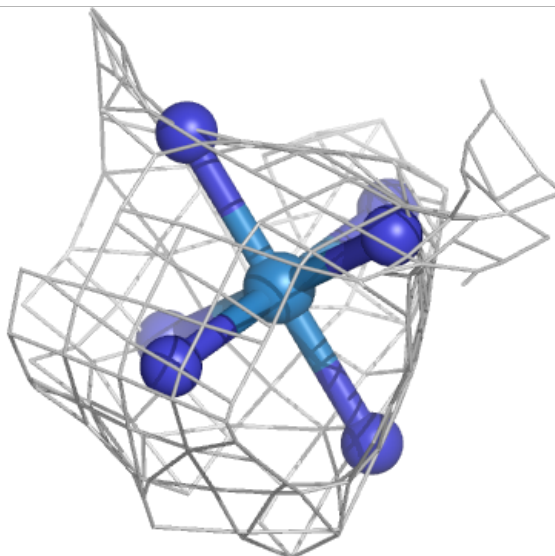
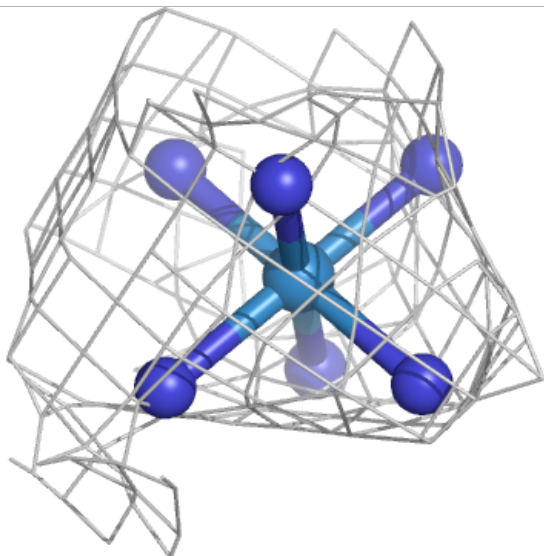
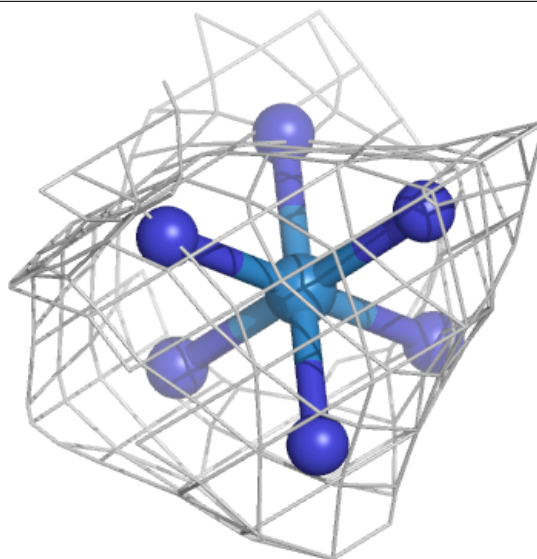
Electron density around OHX D1 3555:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



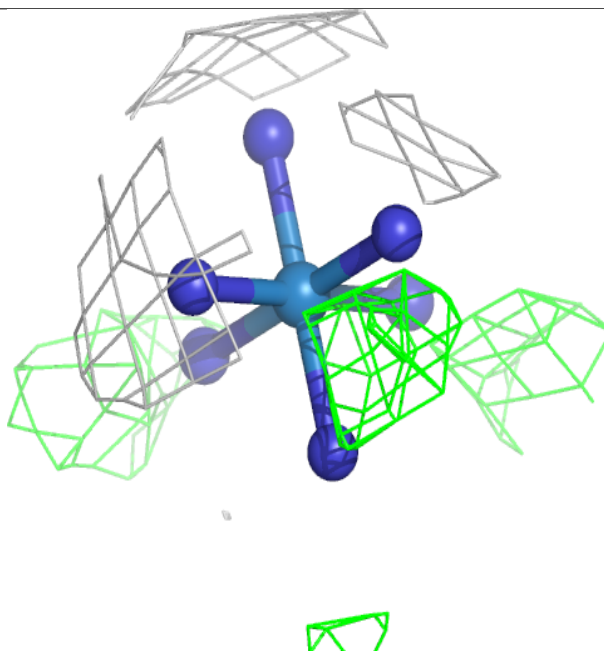
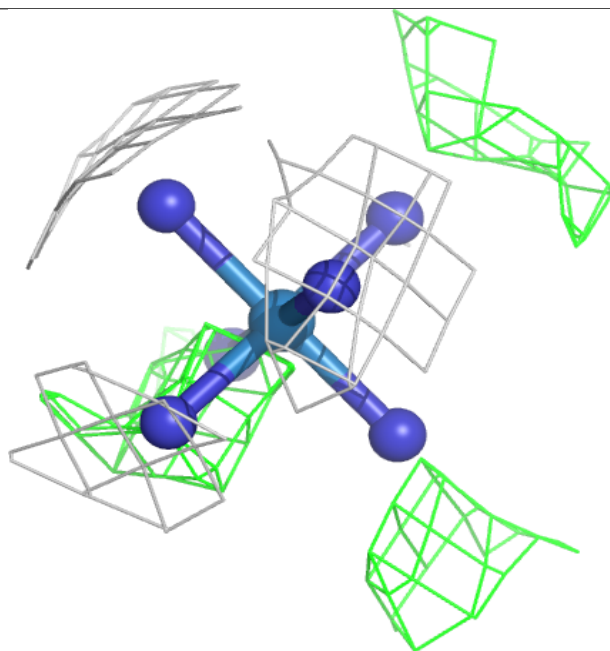
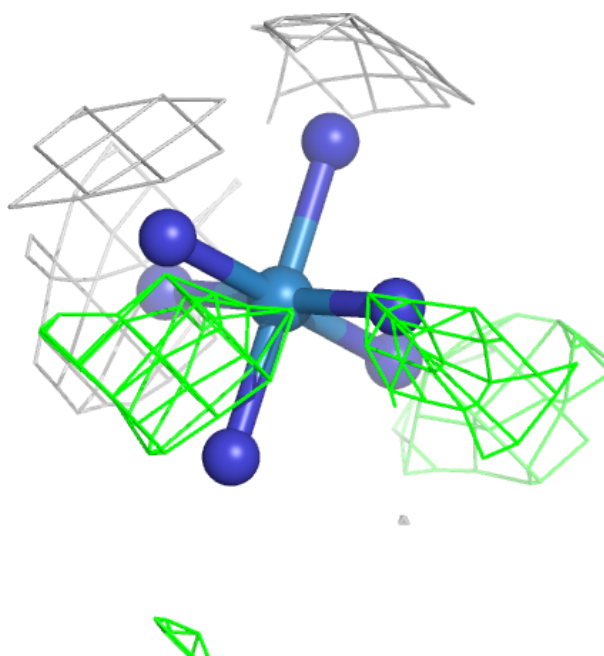
Electron density around OHX A1 1978:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



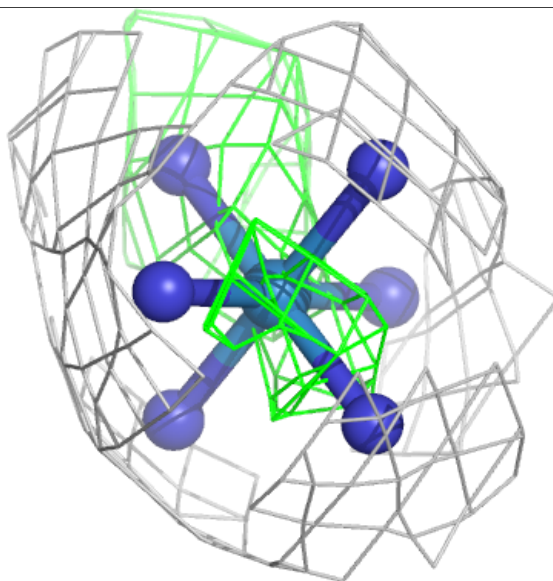
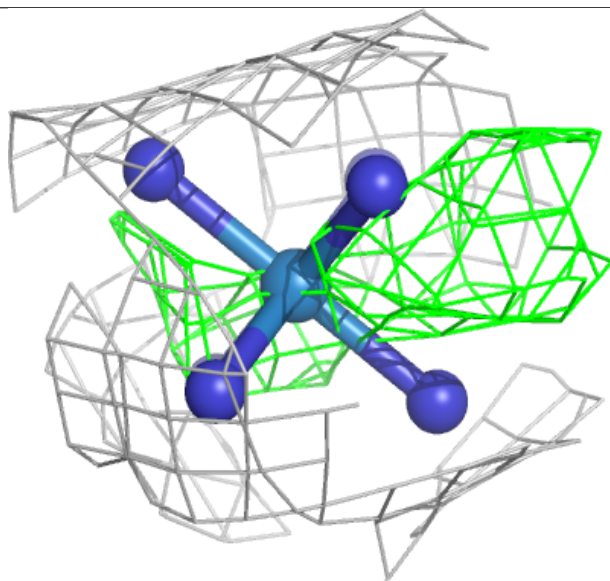
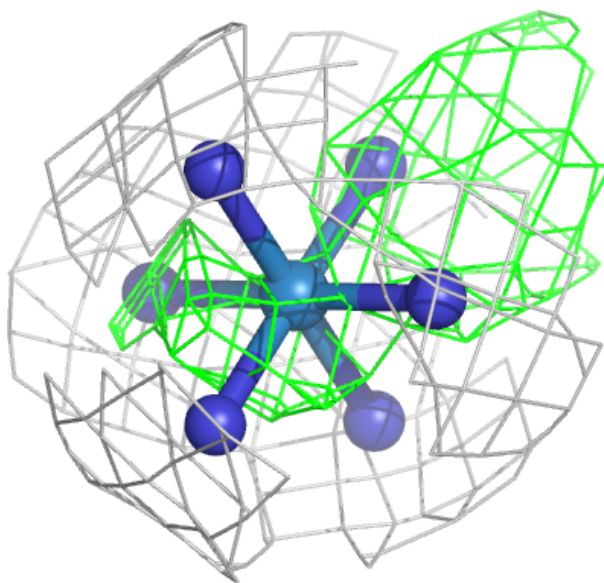
Electron density around OHX D1 3578:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



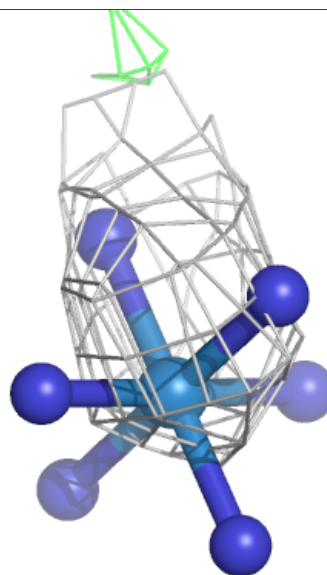
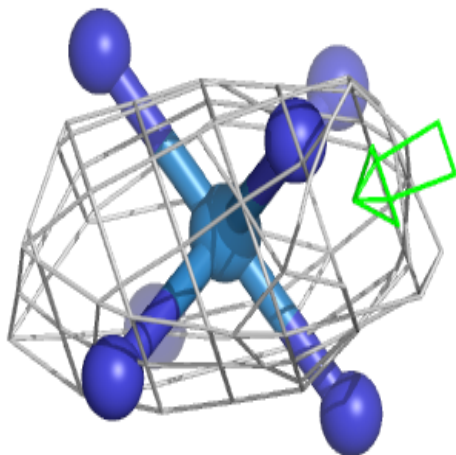
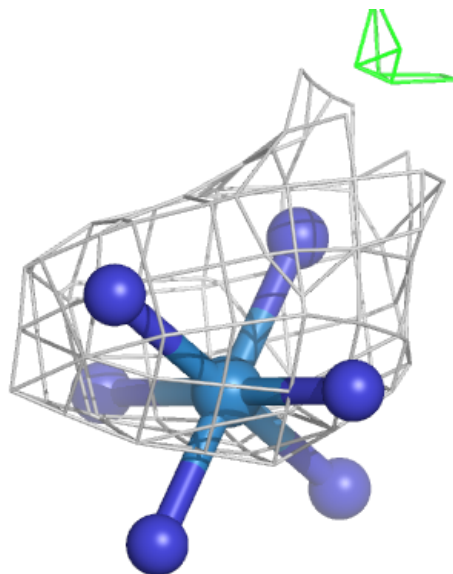
Electron density around OHX D1 3506:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



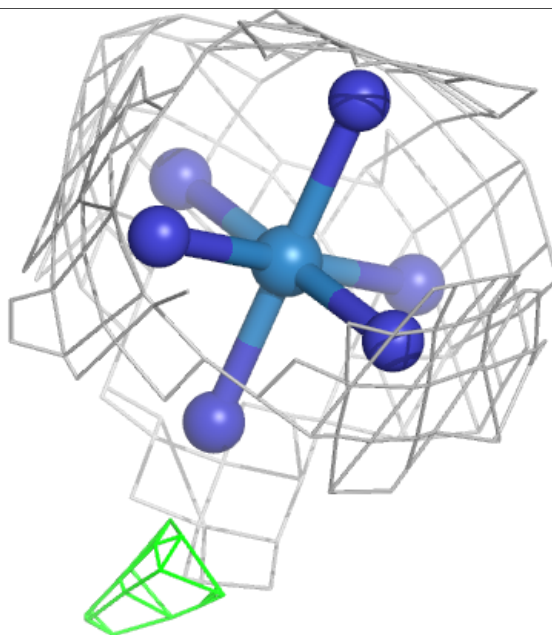
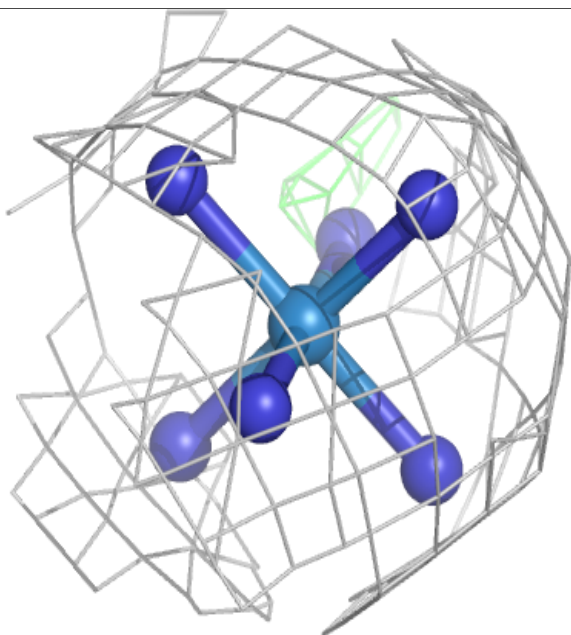
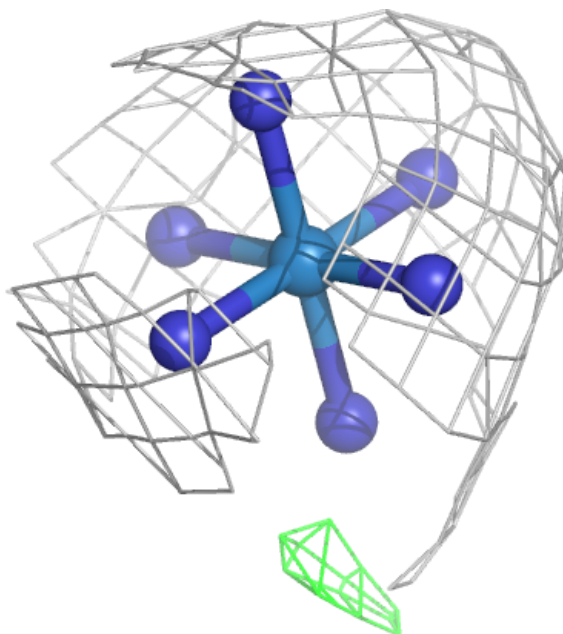
Electron density around OHX D1 3593:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



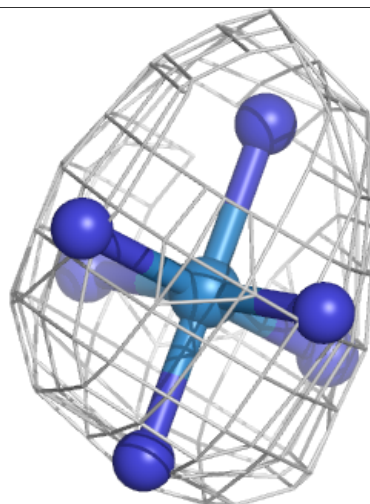
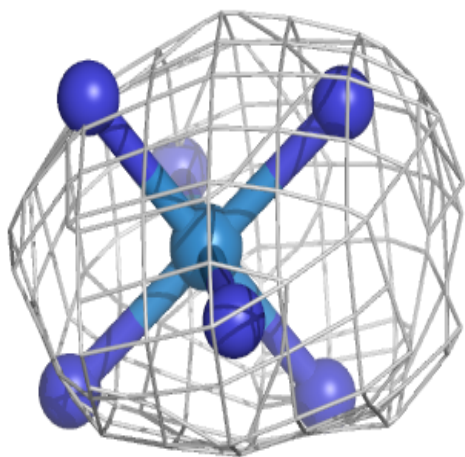
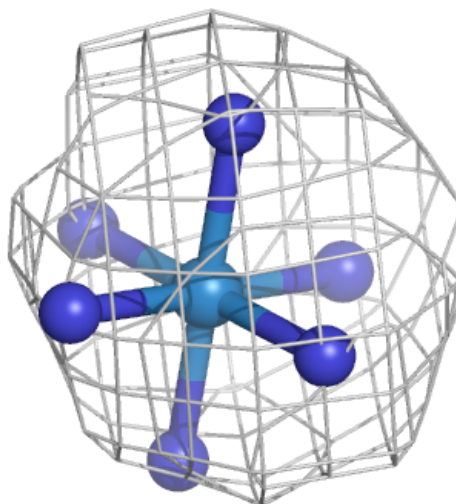
Electron density around OHX B1 3545:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



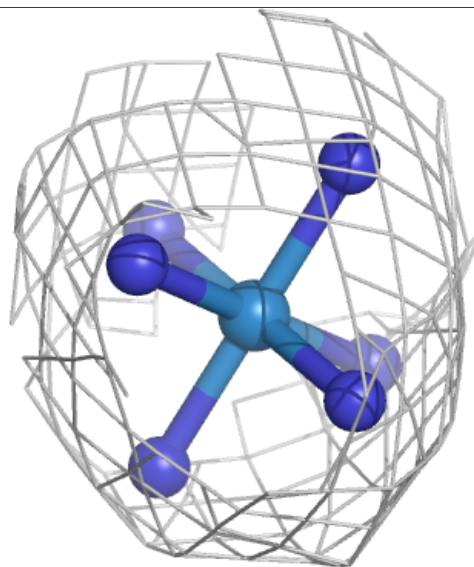
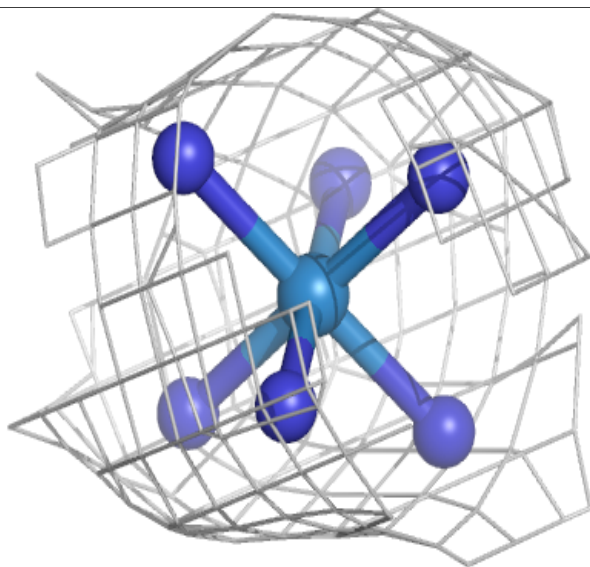
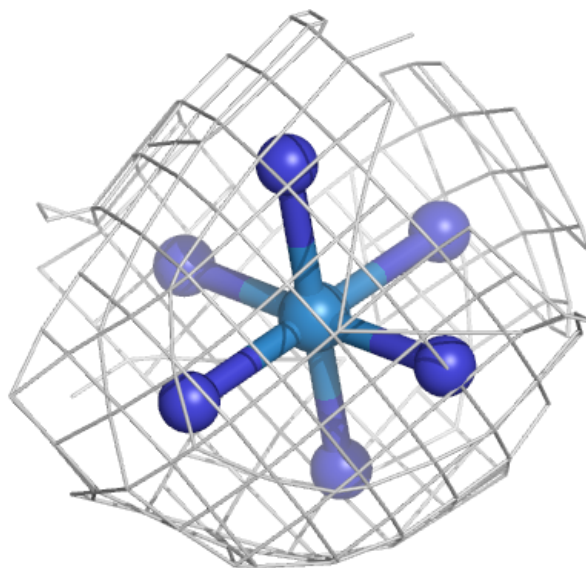
Electron density around OHX D1 3587:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



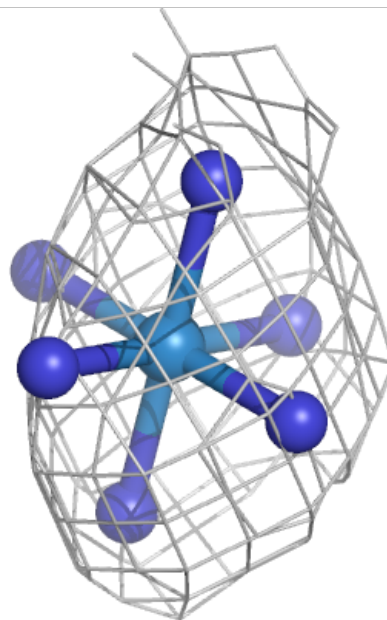
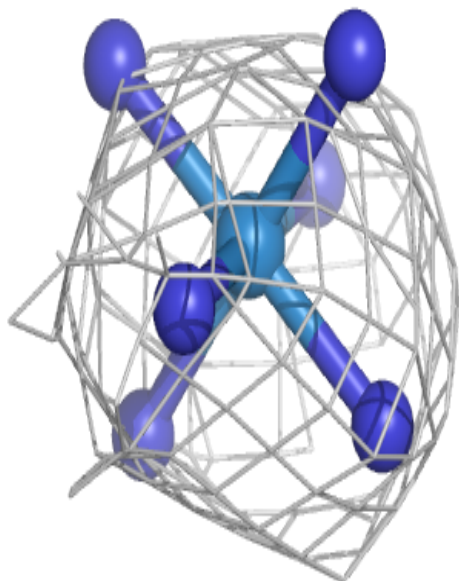
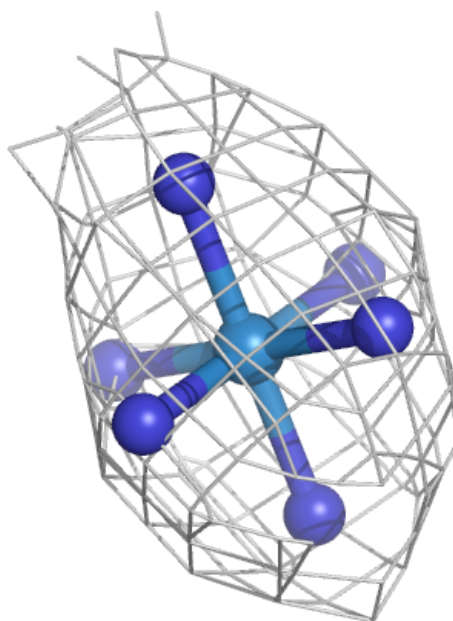
Electron density around OHX B1 3533:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



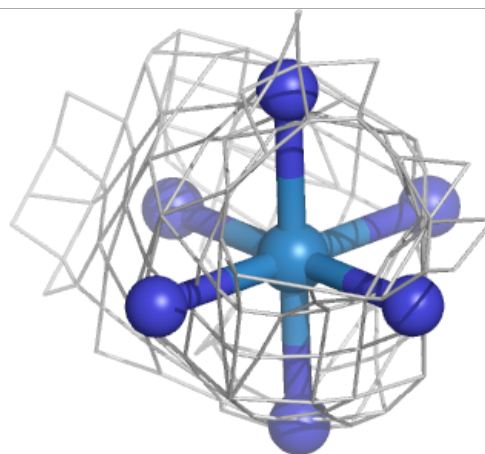
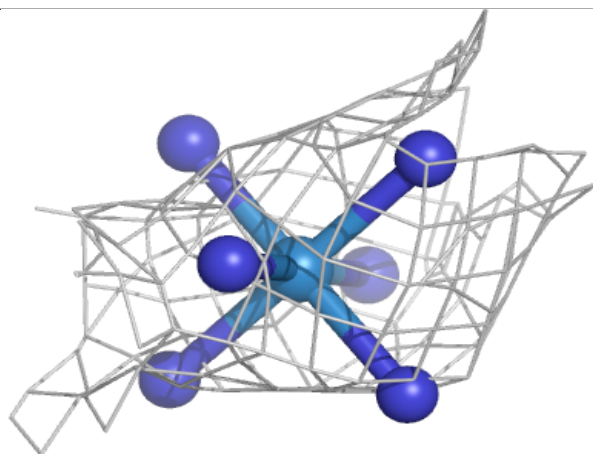
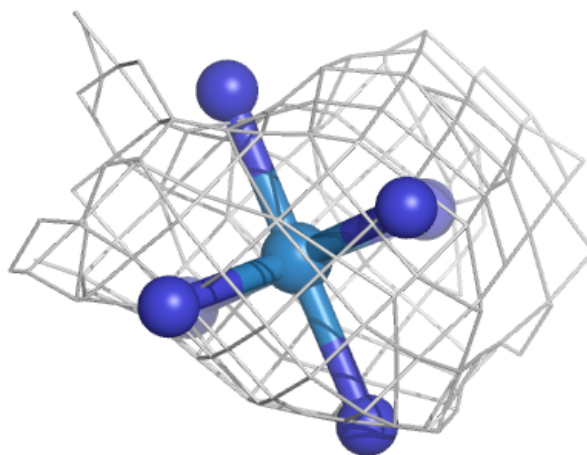
Electron density around OHX BO 301:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



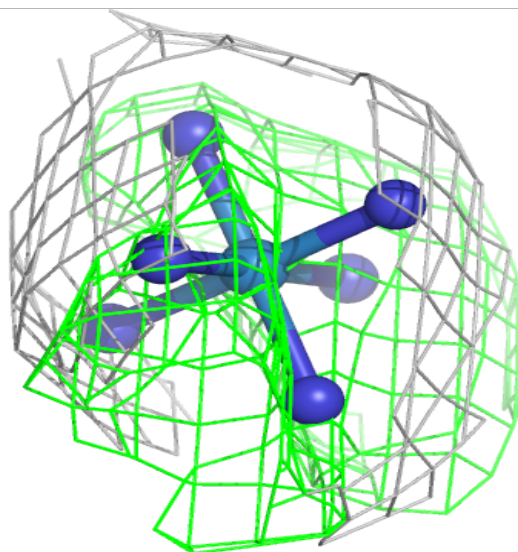
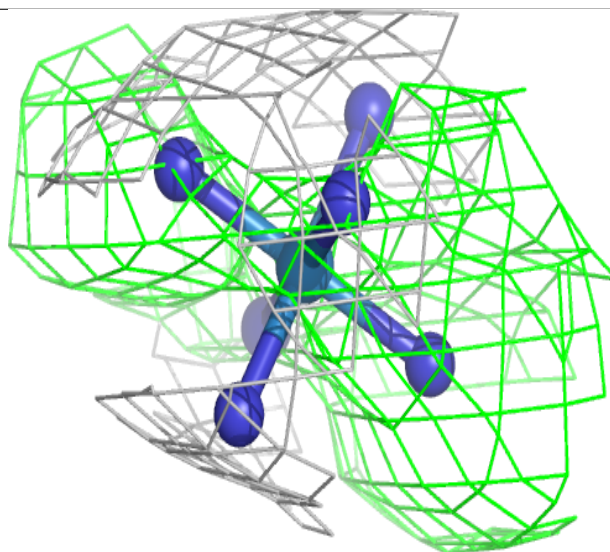
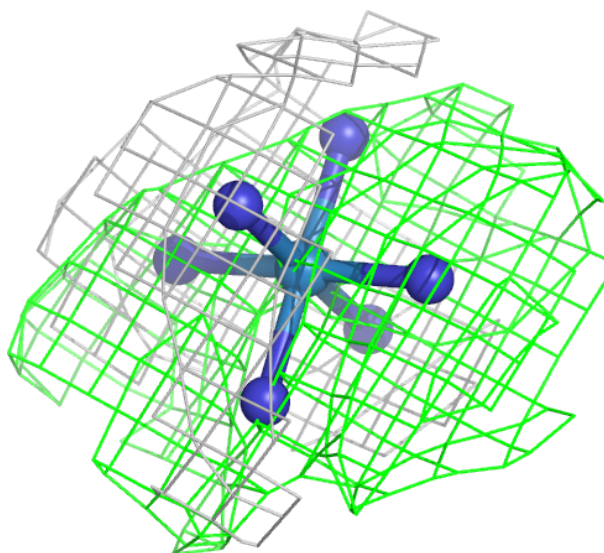
Electron density around OHX A1 1996:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



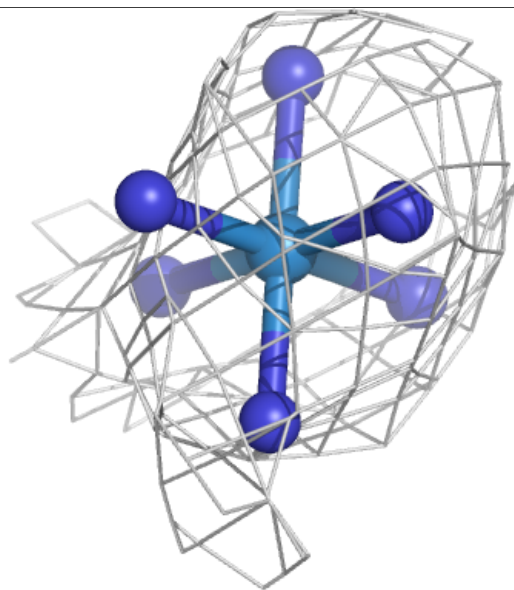
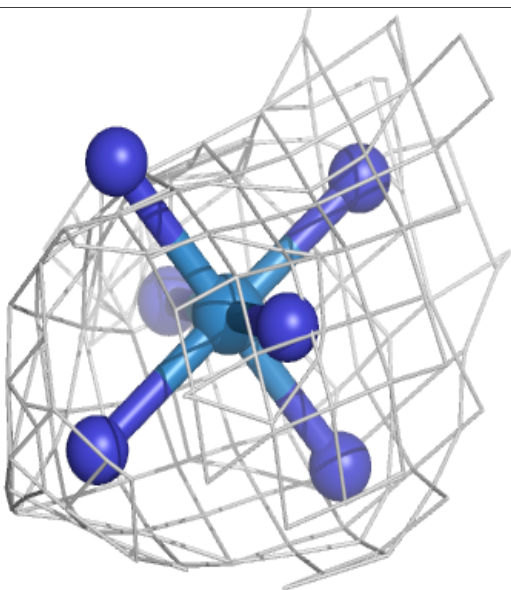
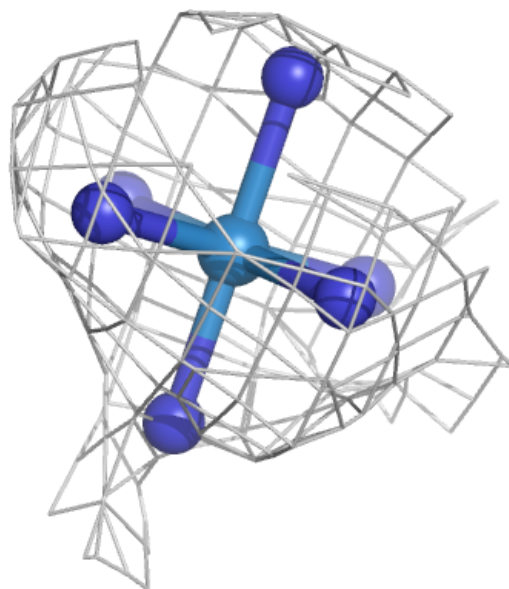
Electron density around OHX B1 3515:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



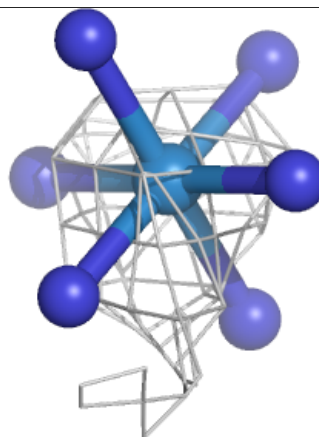
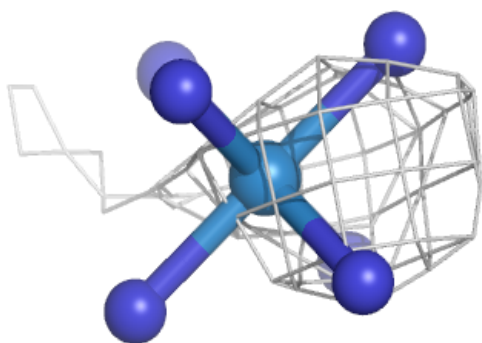
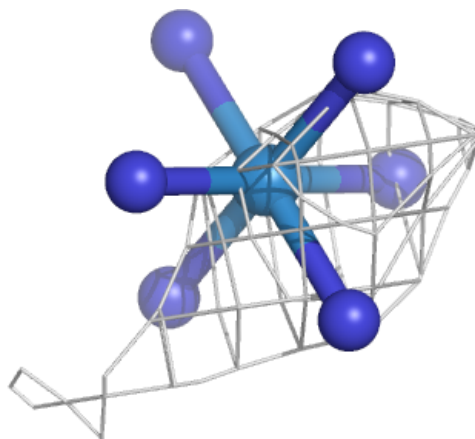
Electron density around OHX C1 1957:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



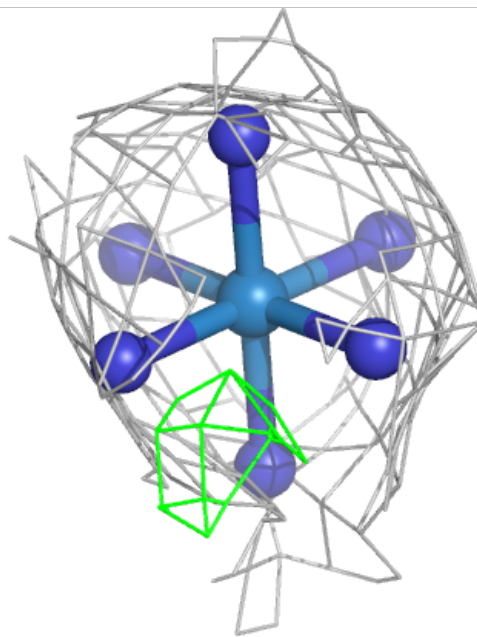
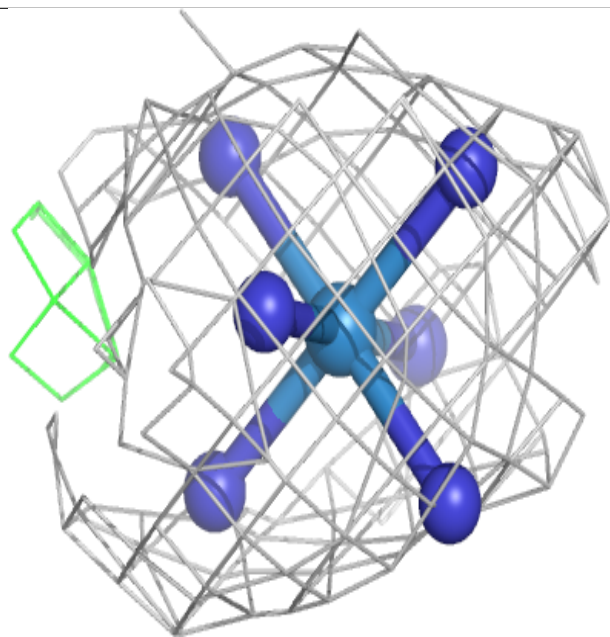
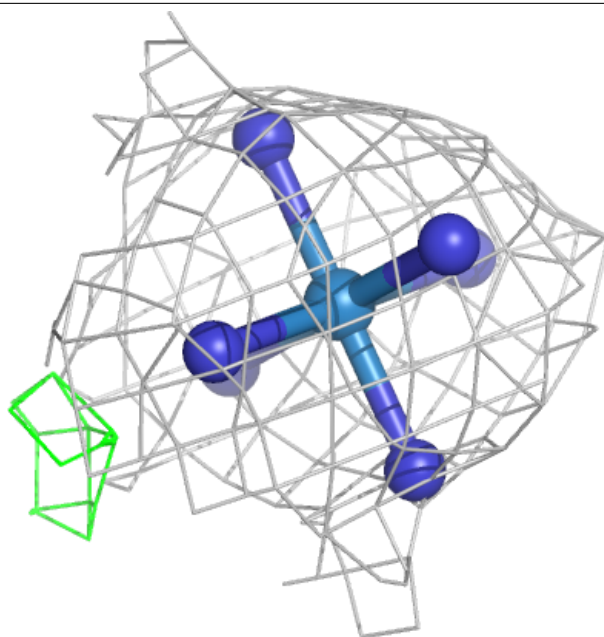
Electron density around OHX A1 1998:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



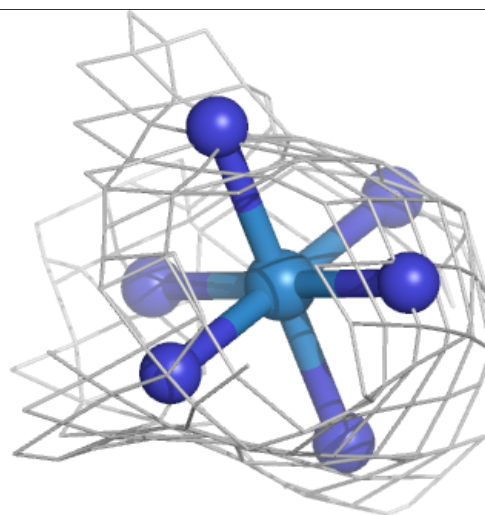
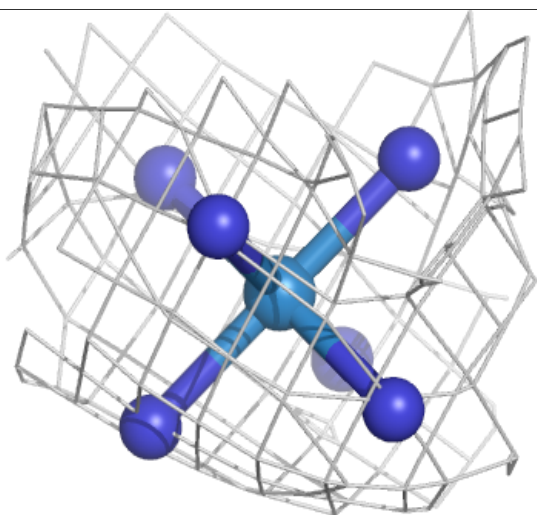
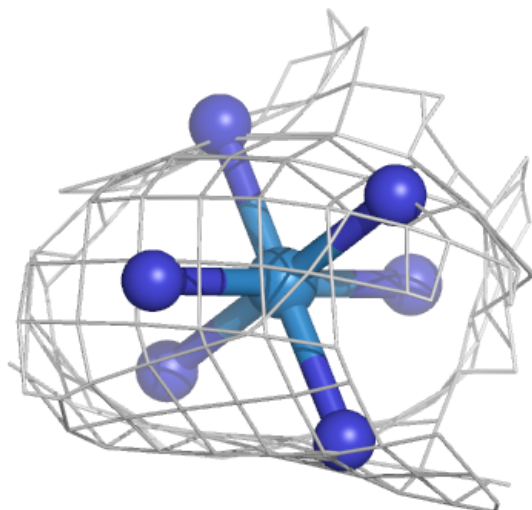
Electron density around OHX B1 3584:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



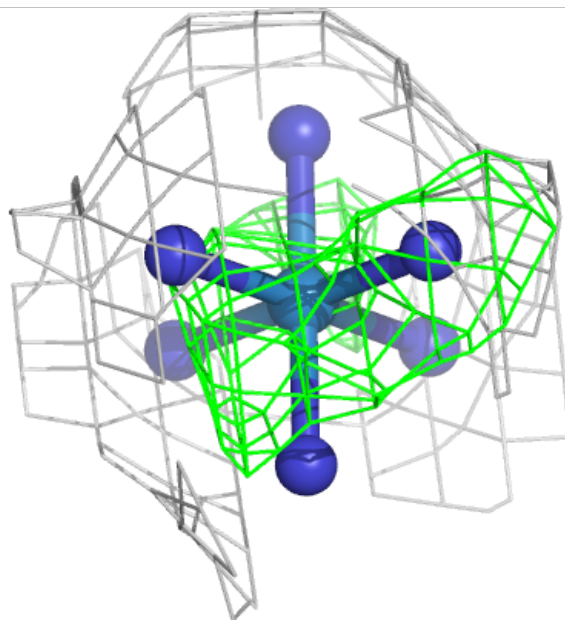
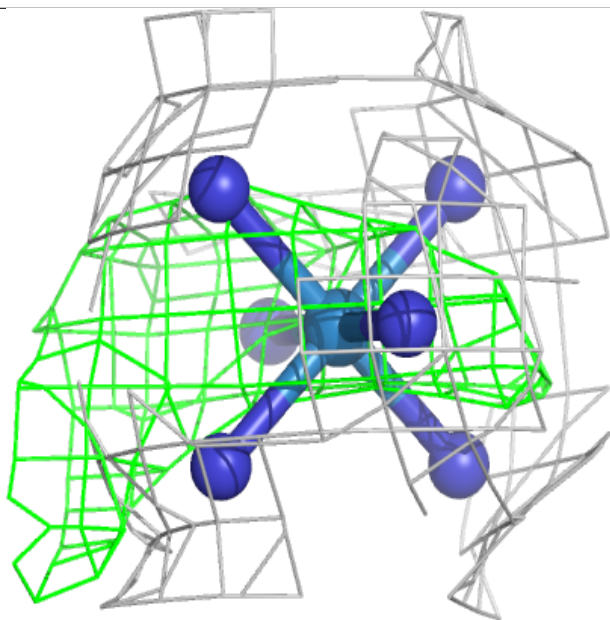
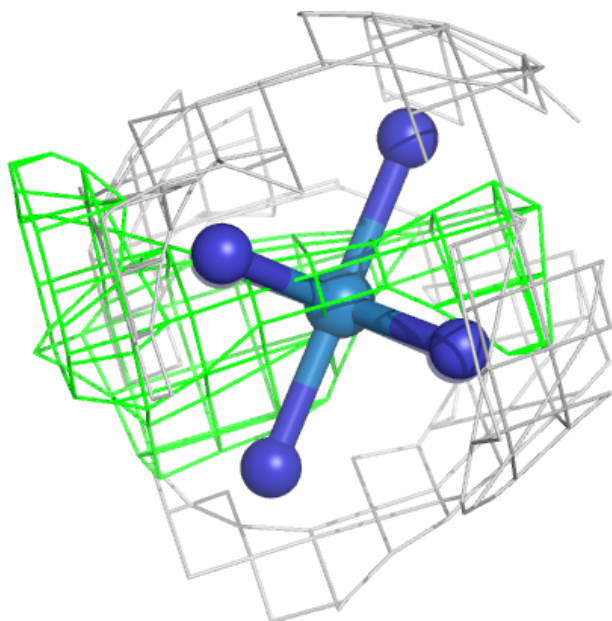
Electron density around OHX C1 1996:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



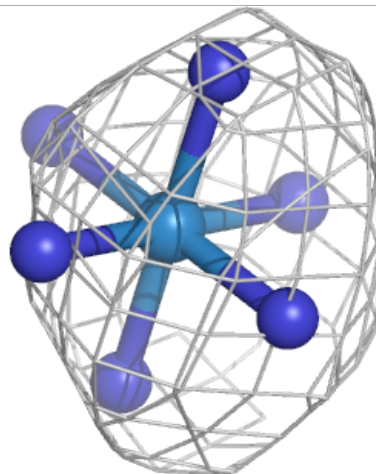
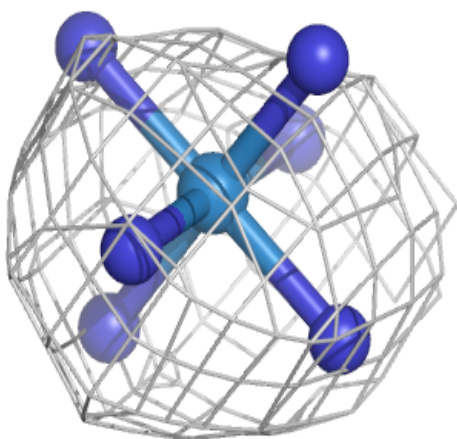
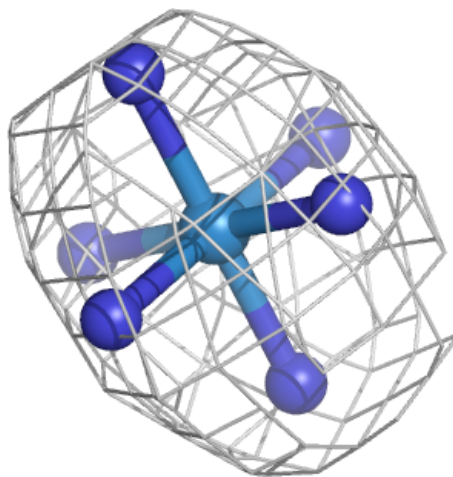
Electron density around OHX A1 1988:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



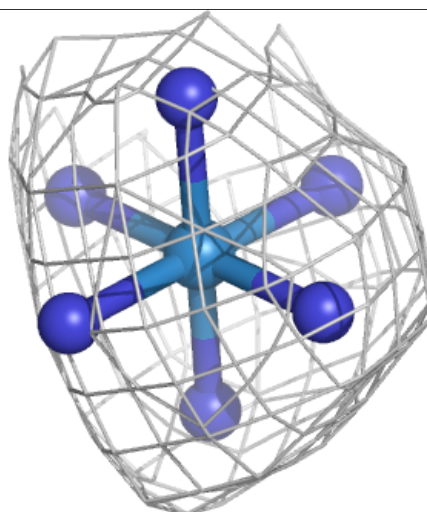
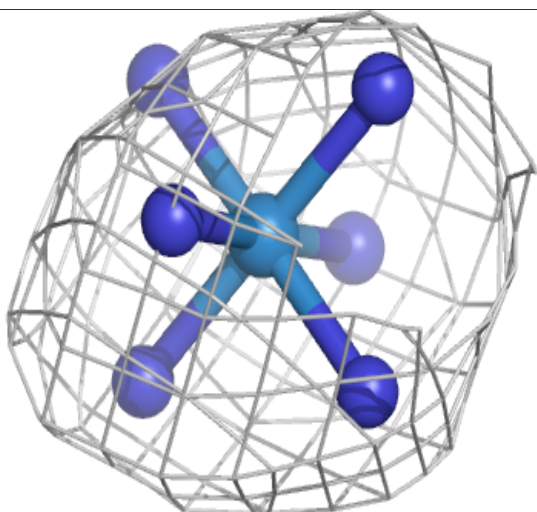
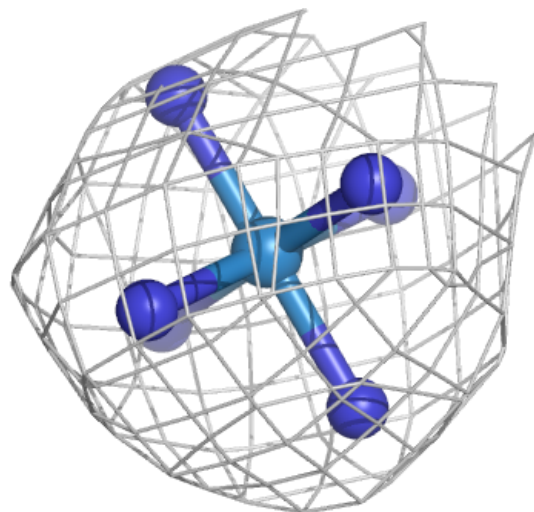
Electron density around OHX B1 3602:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



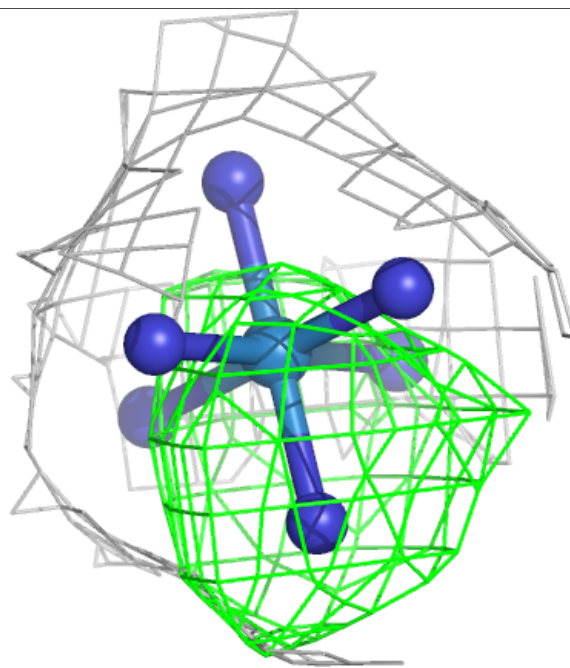
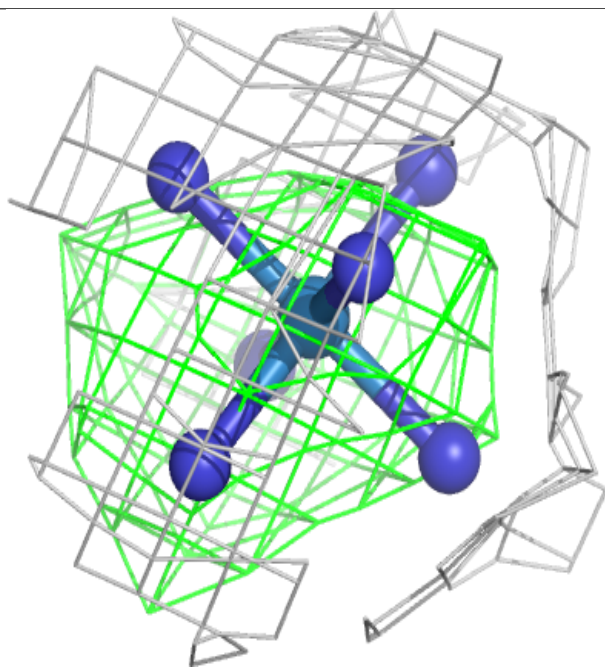
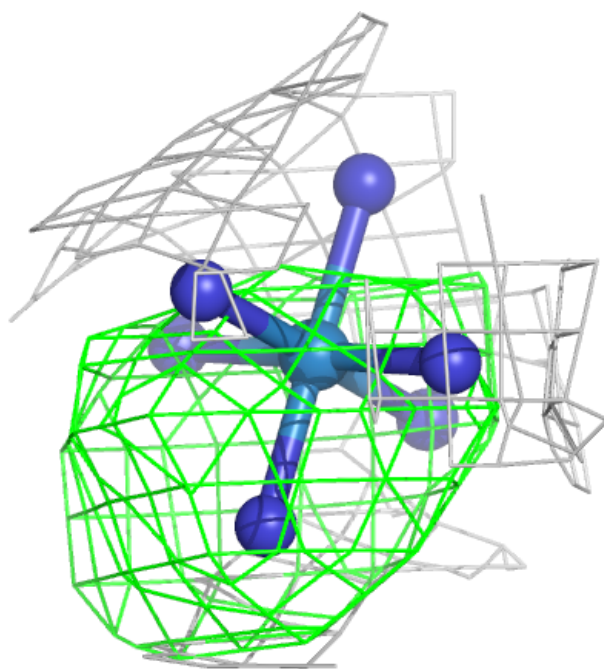
Electron density around OHX D1 3595:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



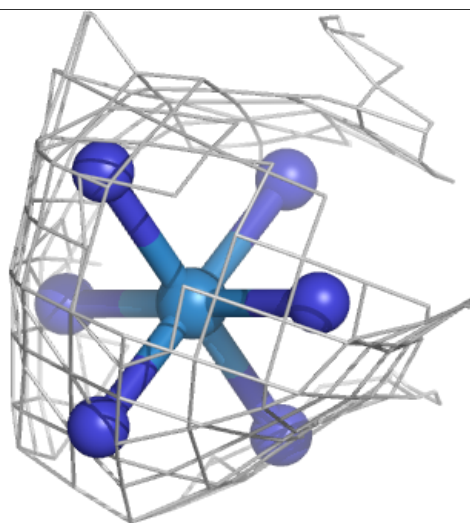
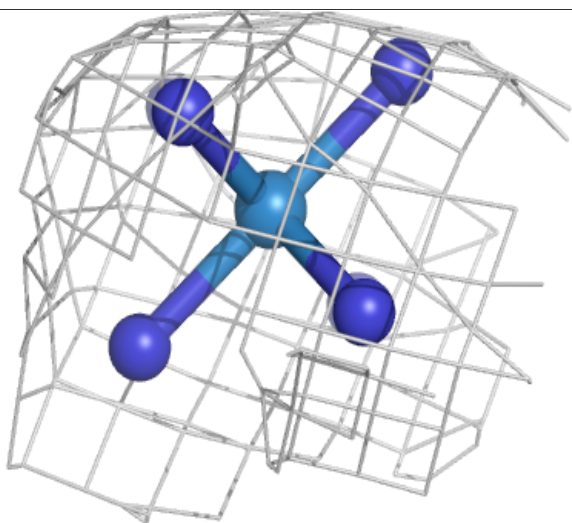
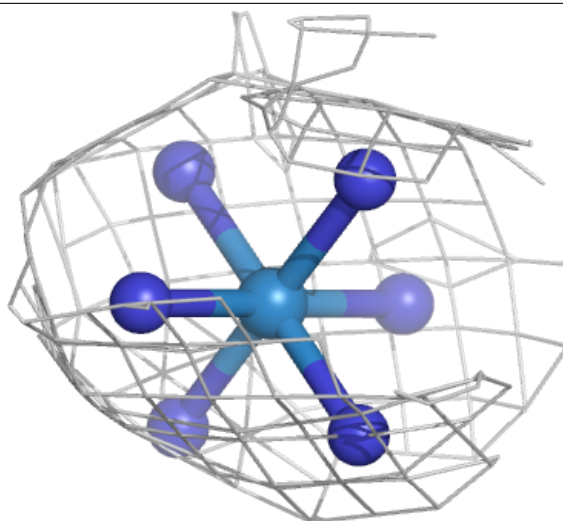
Electron density around OHX B1 3542:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



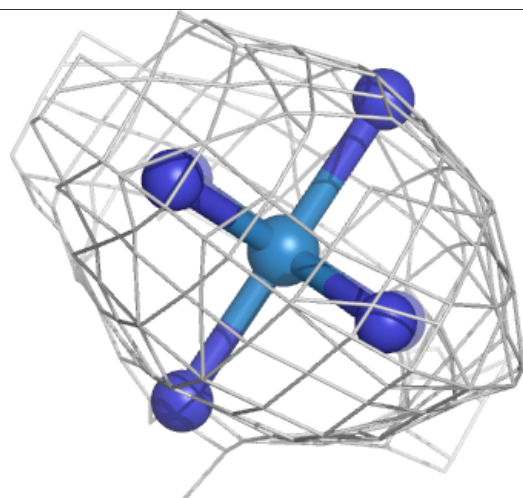
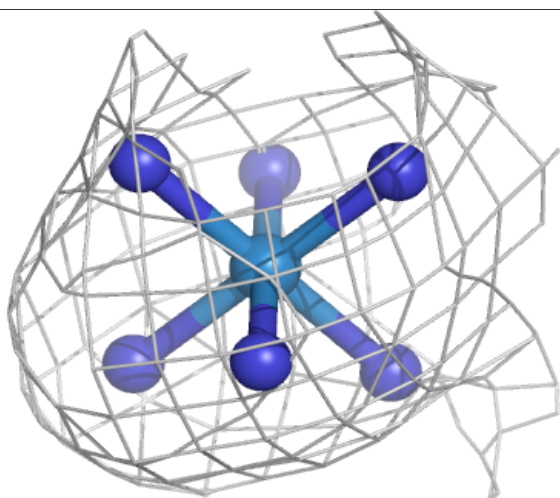
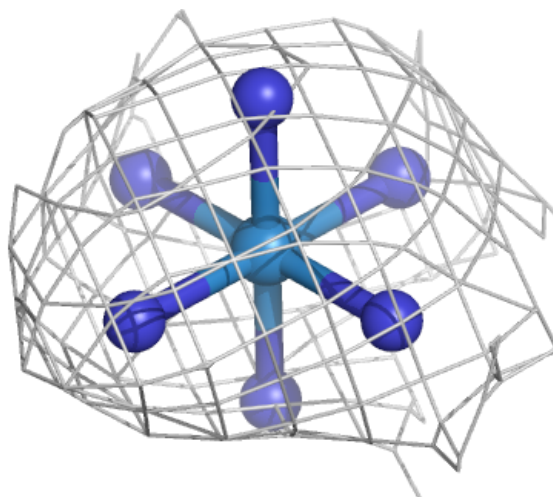
Electron density around OHX C1 1980:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



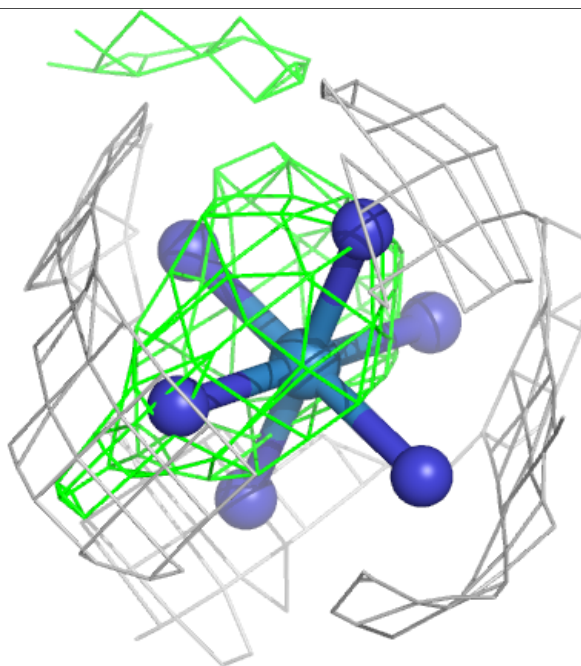
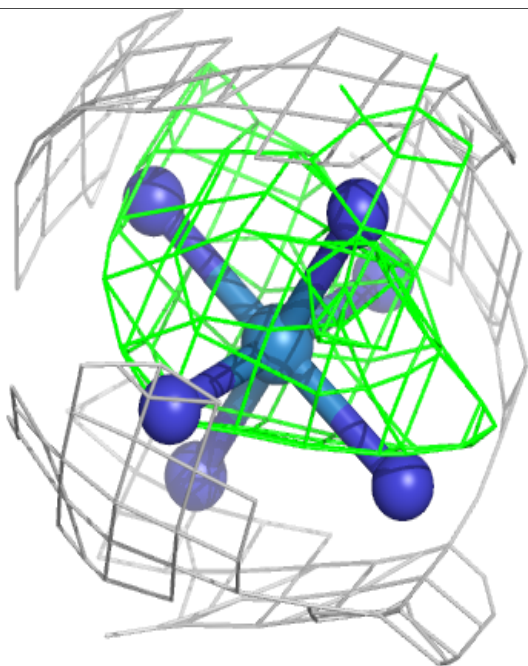
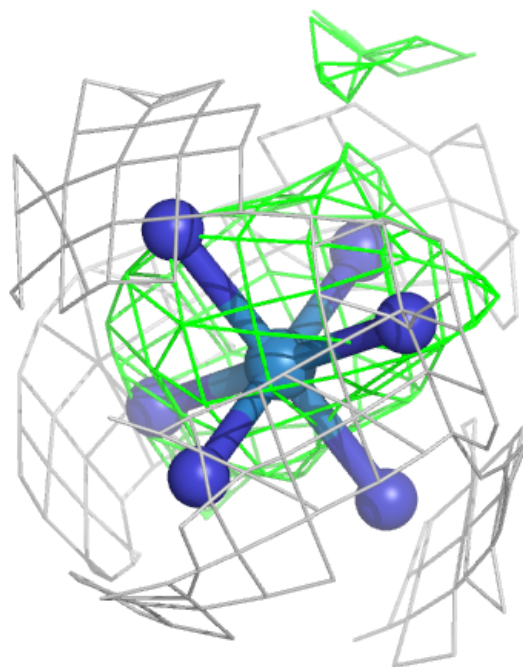
Electron density around OHX B1 3609:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



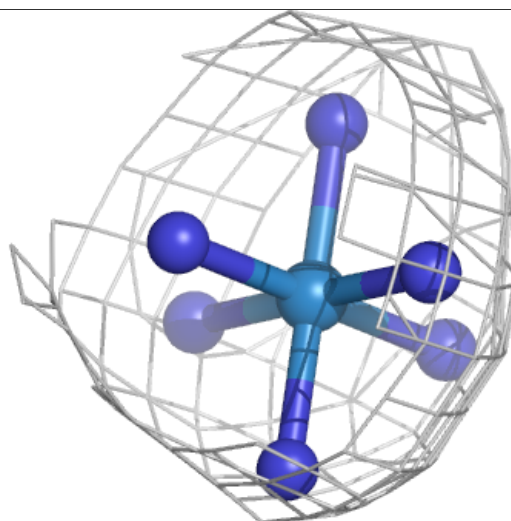
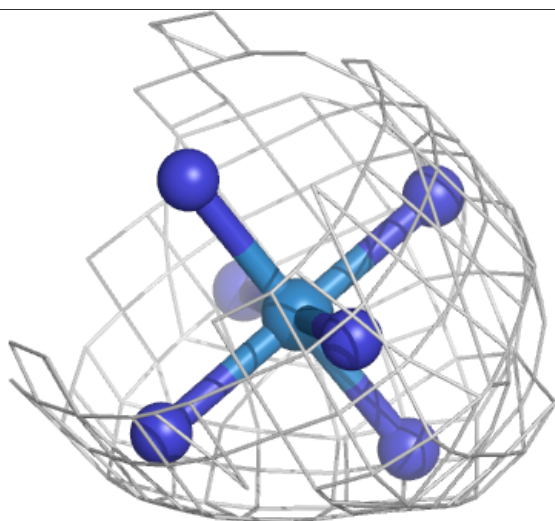
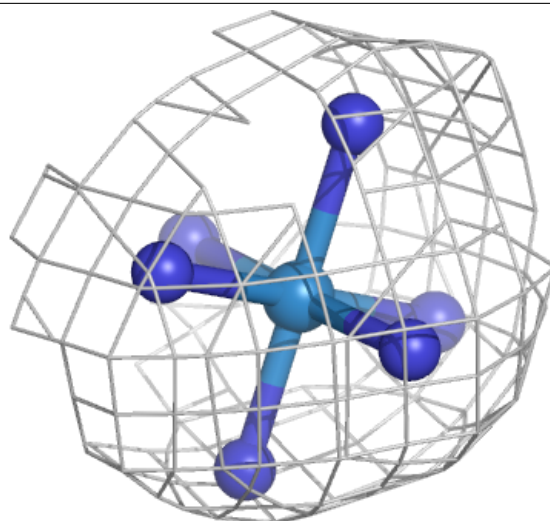
Electron density around OHX D1 3545:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



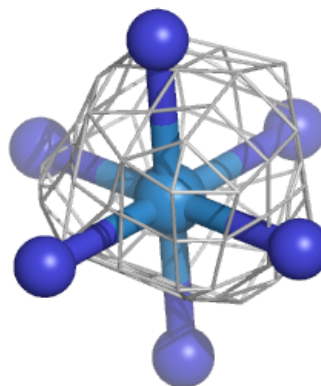
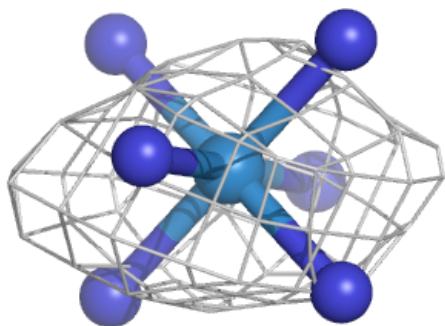
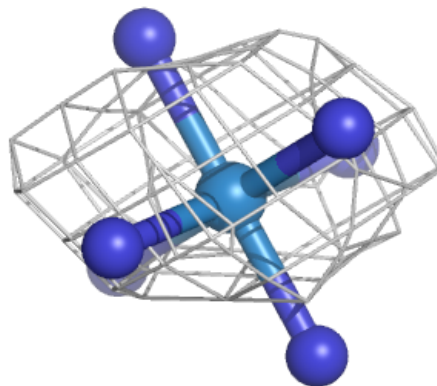
Electron density around OHX C1 1995:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



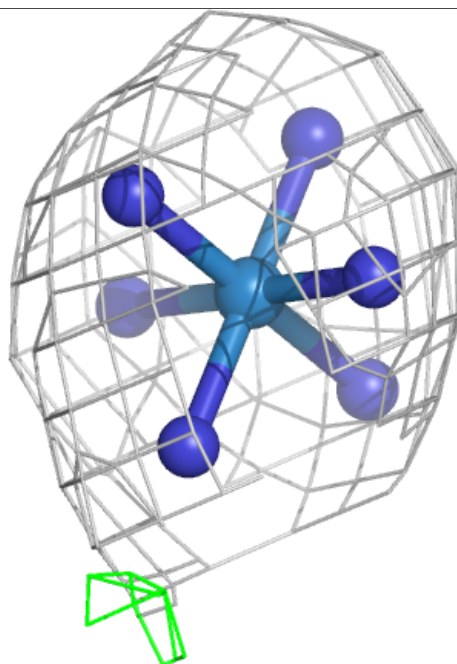
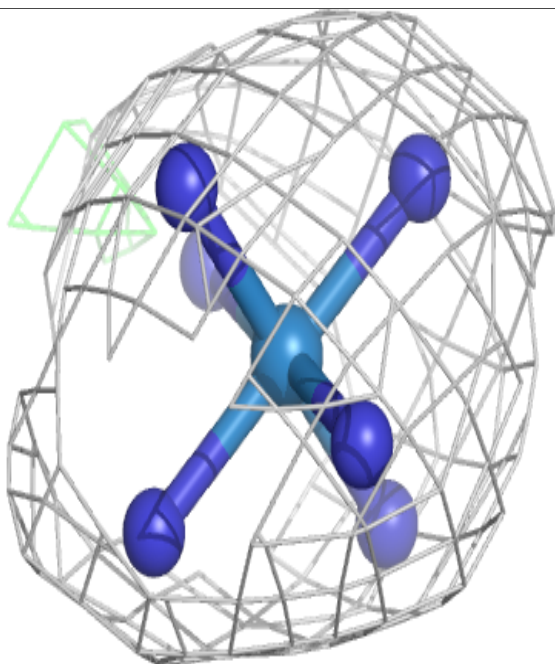
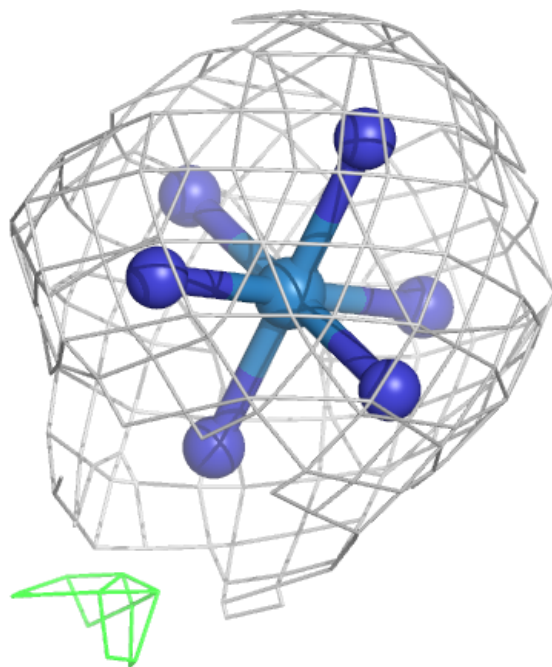
Electron density around OHX B1 3555:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



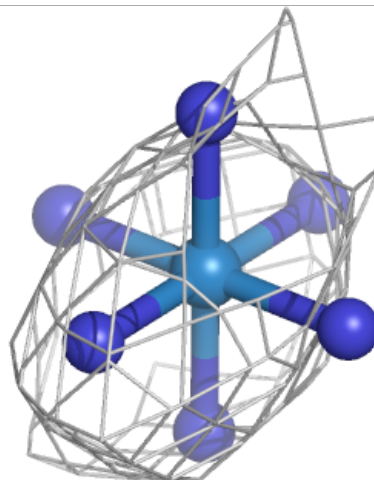
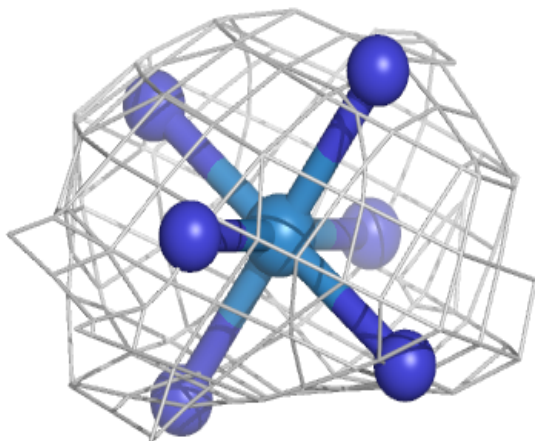
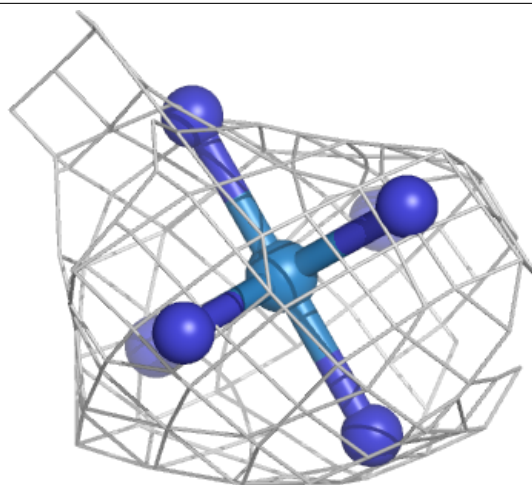
Electron density around OHX B1 3551:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



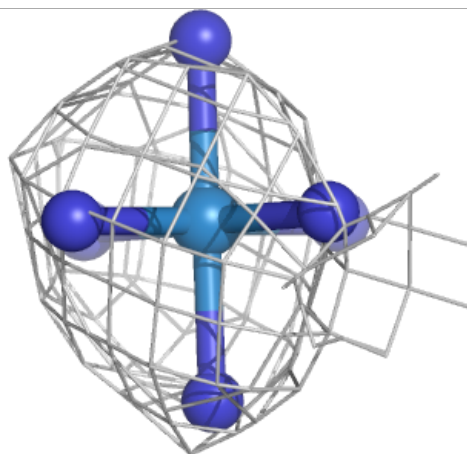
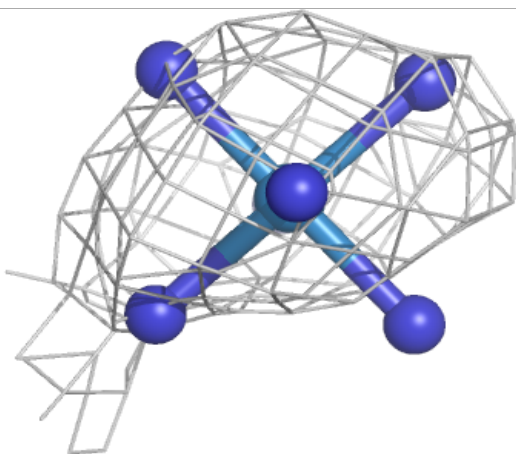
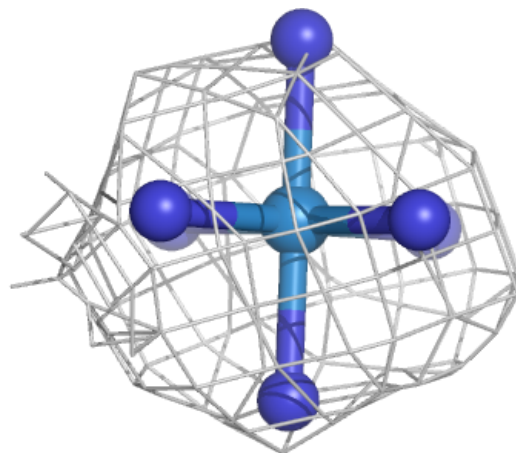
Electron density around OHX D1 3509:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



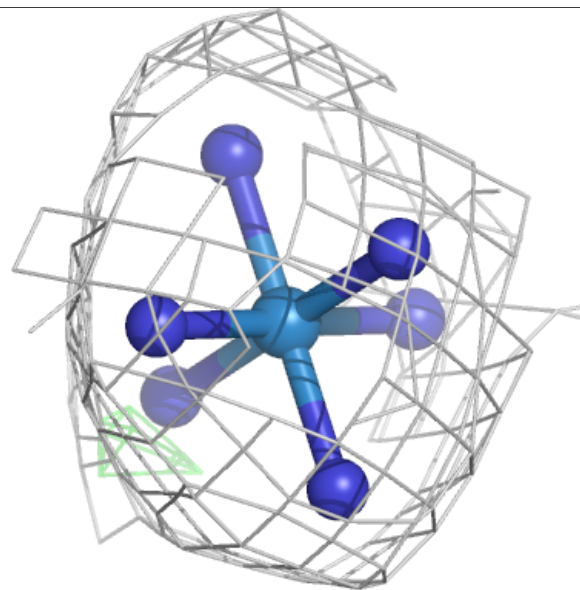
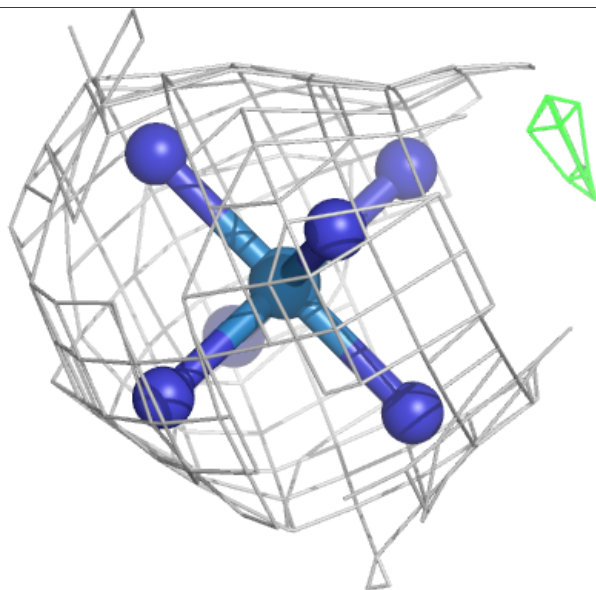
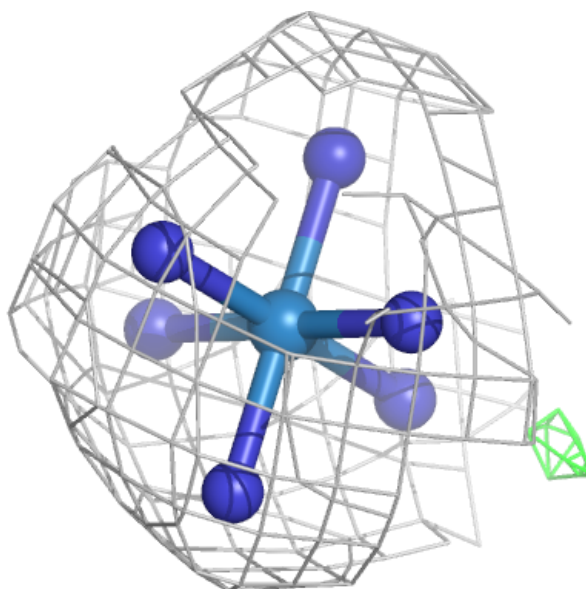
Electron density around OHX D1 3573:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



Electron density around OHX D1 3516:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



6.5 Other polymers ⓘ

There are no such residues in this entry.