



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 21, 2020 – 10:39 AM BST

PDB ID : 4V7R
Title : Yeast 80S ribosome.
Authors : Ben-Shem, A.; Jenner, L.; Yusupova, G.; Yusupov, M.
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 following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.13
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.13

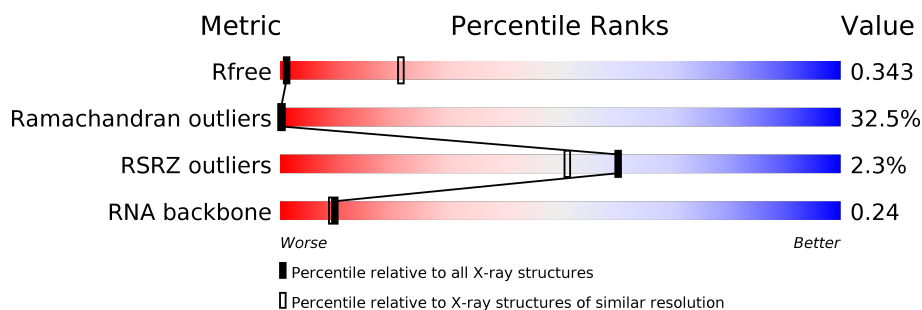
1 Overall quality at a glance

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.





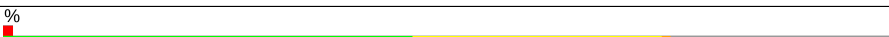
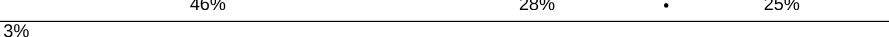



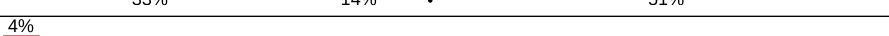



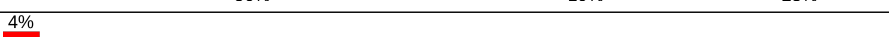








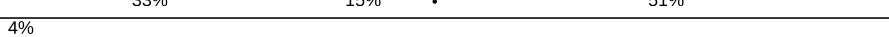



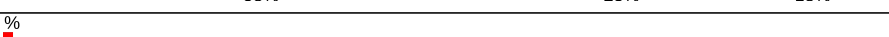
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1087 (4.30-3.70)
Ramachandran outliers	138981	1108 (4.30-3.70)
RSRZ outliers	127900	1028 (4.34-3.66)
RNA backbone	3102	1048 (5.00-3.00)

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 on 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	
3	CB	254	
4	AC	240	



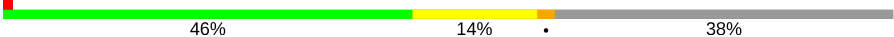
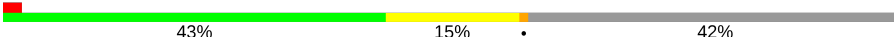

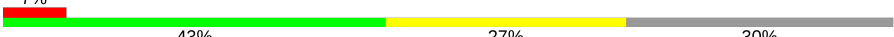
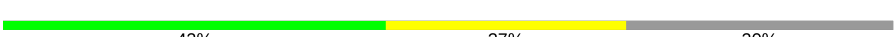
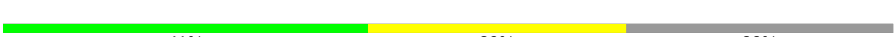


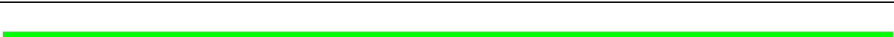


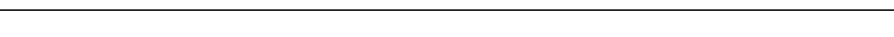

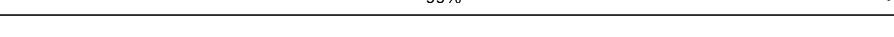
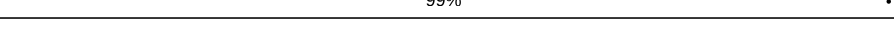
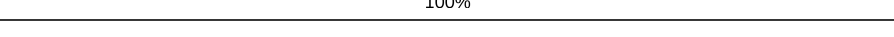
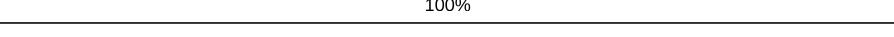
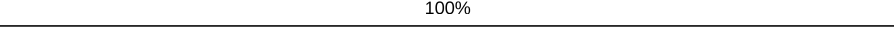
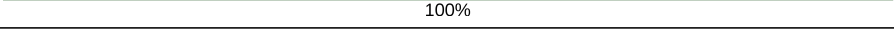
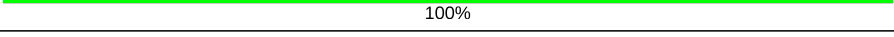
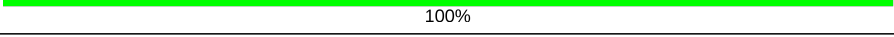
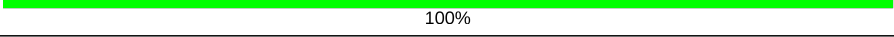
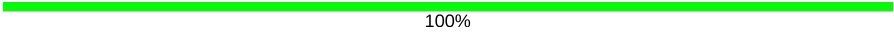
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Mol	Chain	Length	Quality of chain
4	CC	240	
5	AD	225	
5	CD	225	
6	AE	197	
6	CE	197	
7	AF	156	
7	CF	156	
8	AG	151	
8	CG	151	
9	AH	137	
9	CH	137	
10	AI	142	
10	CI	142	
11	AJ	143	
11	CJ	143	
12	AK	136	
12	CK	136	
13	AL	146	
13	CL	146	
14	AM	144	
14	CM	144	
15	AN	121	
15	CN	121	
16	AO	130	
16	CO	130	

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Mol	Chain	Length	Quality of chain
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	
28	Ah	41	
28	Ch	41	





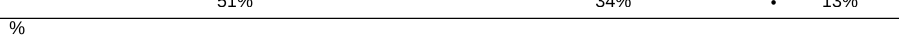




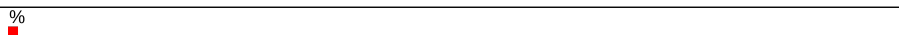
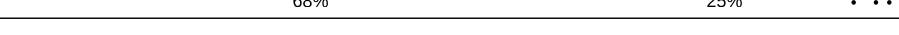










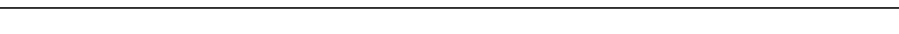
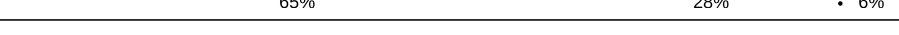


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Mol	Chain	Length	Quality of chain
29	B1	3396	
29	D1	3396	
30	B2	121	
30	D2	121	
31	B3	158	
31	D3	158	
32	BA	217	
32	DA	217	
33	BB	254	
33	DB	254	
34	BC	387	
34	DC	387	
35	BD	362	
35	DD	362	
36	BE	297	
36	DE	297	
37	BF	176	
37	DF	176	
38	BG	244	
38	DG	244	
39	BH	256	
39	DH	256	
40	BI	191	
40	DI	191	
41	BJ	221	

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Mol	Chain	Length	Quality of chain
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	
53	BX	127	
53	DX	127	








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Mol	Chain	Length	Quality of chain
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	
65	Dk	16	
66	Bl	19	

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Mol	Chain	Length	Quality of chain
67	Bm	9	 100%
68	Bn	27	 100%
69	Bp	8	 100%
70	Bq	17	 100%
71	Br	23	 100%
72	DL	165	 % 50% 31% • 16%
73	DM	312	 % 26% 15% • 58%

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	1930	-	-	-	X
74	OHX	A1	1983	-	-	-	X
74	OHX	B1	3548	-	-	-	X
74	OHX	B1	3571	-	-	-	X
74	OHX	B1	3602	-	-	-	X
74	OHX	D1	3573	-	-	-	X
74	OHX	D1	3586	-	-	-	X
74	OHX	D1	3593	-	-	-	X
74	OHX	D1	3605	-	-	-	X
74	OHX	D3	211	-	-	-	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			

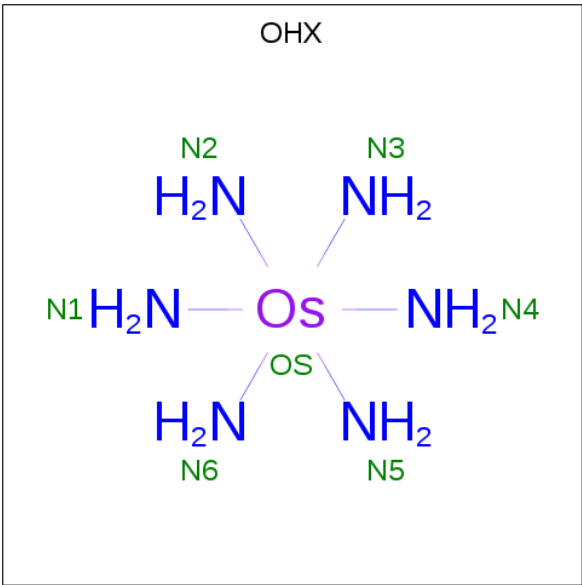
- Molecule 73 is a protein called 60S acidic ribosomal protein P0.

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) hexamine (three-letter code: 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		

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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	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	AL	1	Total	N	Os	0	0
			7	6	1		
74	AS	1	Total	N	Os	0	0
			7	6	1		
74	AT	1	Total	N	Os	0	0
			7	6	1		
74	Ac	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		
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		
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		

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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		
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		

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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		

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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	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		
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		
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		
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74	C1	1	Total	N	Os	0	0
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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		
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			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		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	C1	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
74	CS	1	Total	N	Os	0	0
			7	6	1		
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
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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
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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		
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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
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
74	D1	1	Total	N	Os	0	0
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74	D1	1	Total	N	Os	0	0
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74	D1	1	Total	N	Os	0	0
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74	D1	1	Total	N	Os	0	0
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			7	6	1		
74	D1	1	Total	N	Os	0	0
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74	D1	1	Total	N	Os	0	0
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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		
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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		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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
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			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		

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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		
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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		

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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
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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		
74	D1	1	Total	N	Os	0	0
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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		

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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
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74	D1	1	Total	N	Os	0	0
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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		
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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		

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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		
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
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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
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74	D1	1	Total	N	Os	0	0
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74	D1	1	Total	N	Os	0	0
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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		

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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
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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		

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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
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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
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74	D3	1	Total	N	Os	0	0
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74	D3	1	Total	N	Os	0	0
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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	DC	1	Total	N	Os	0	0
			7	6	1		

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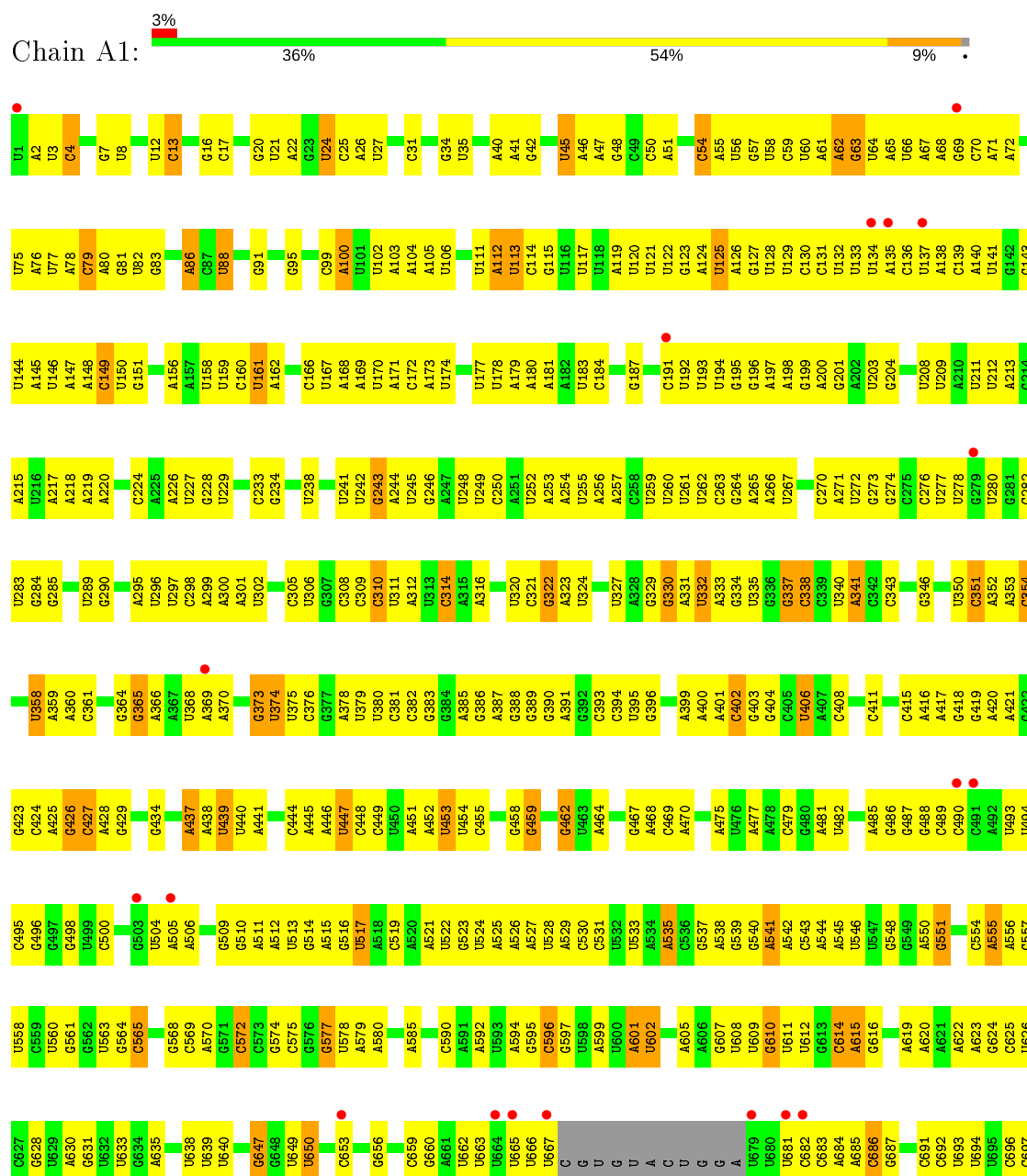
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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74	DJ	1	Total	N	Os	0	0
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74	DO	1	Total	N	Os	0	0
			7	6	1		
74	DO	1	Total	N	Os	0	0
			7	6	1		
74	DT	1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

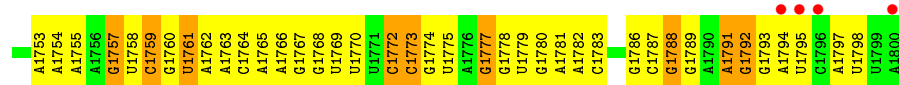
3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and 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.

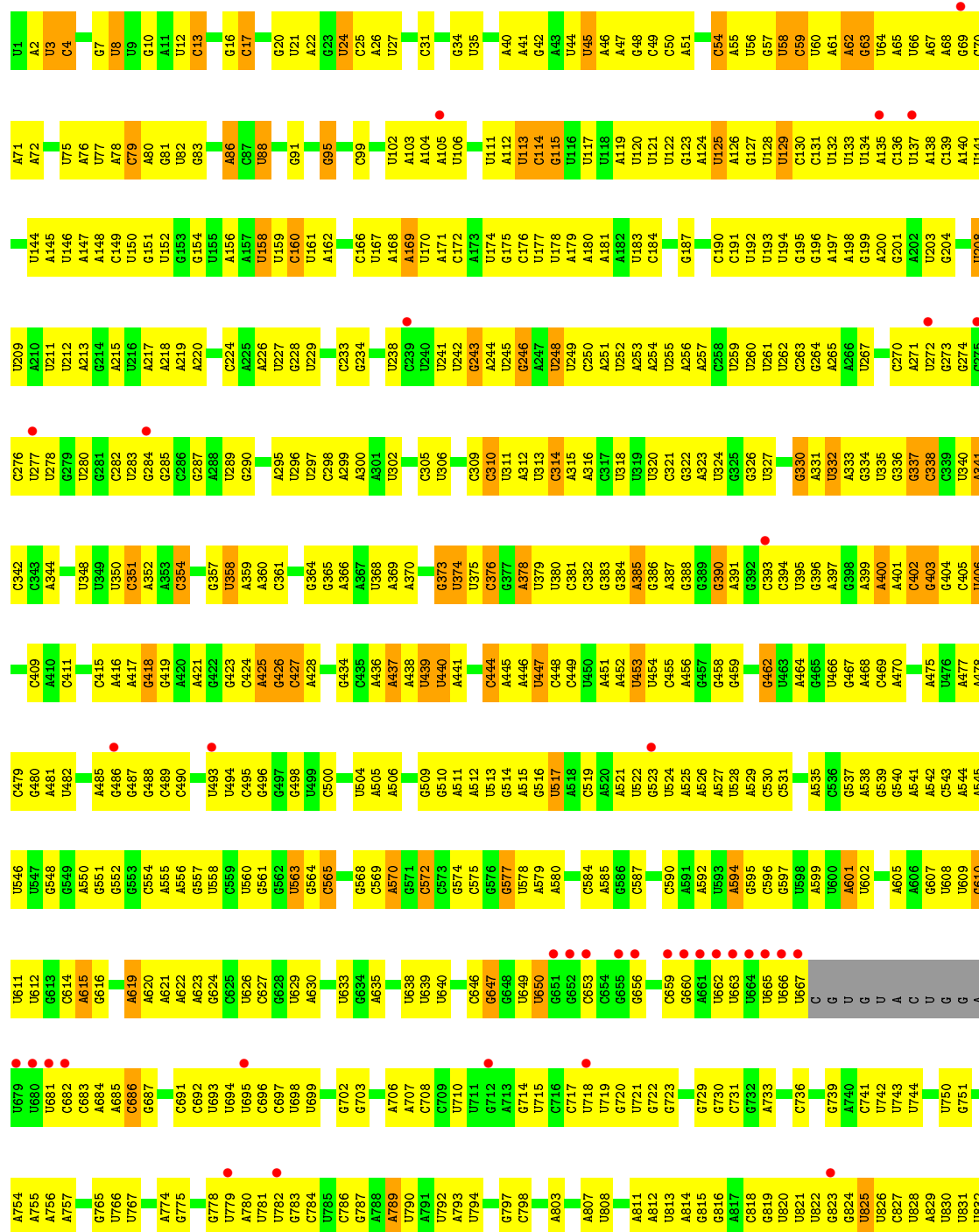
• Molecule 1: 18S ribosomal RNA

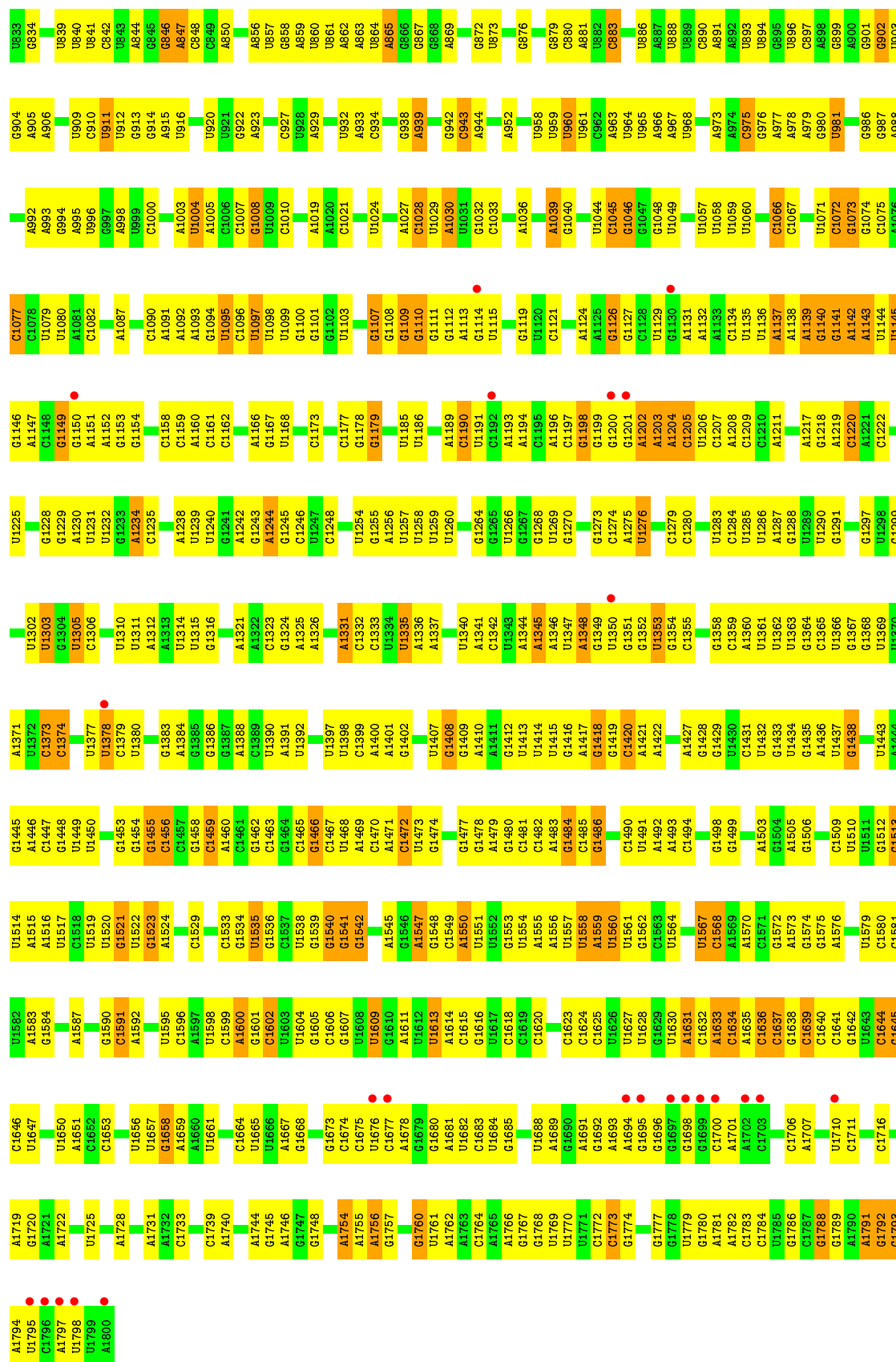


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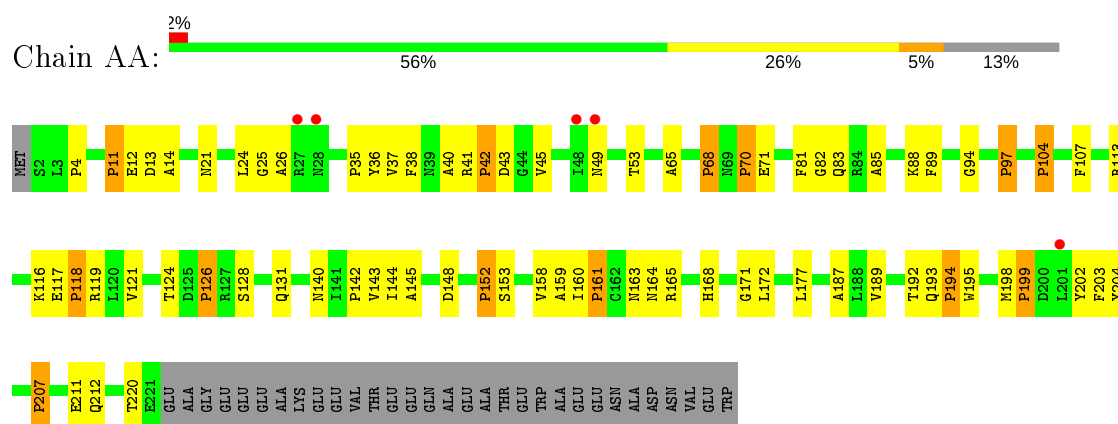


● Molecule 1: 18S ribosomal RNA

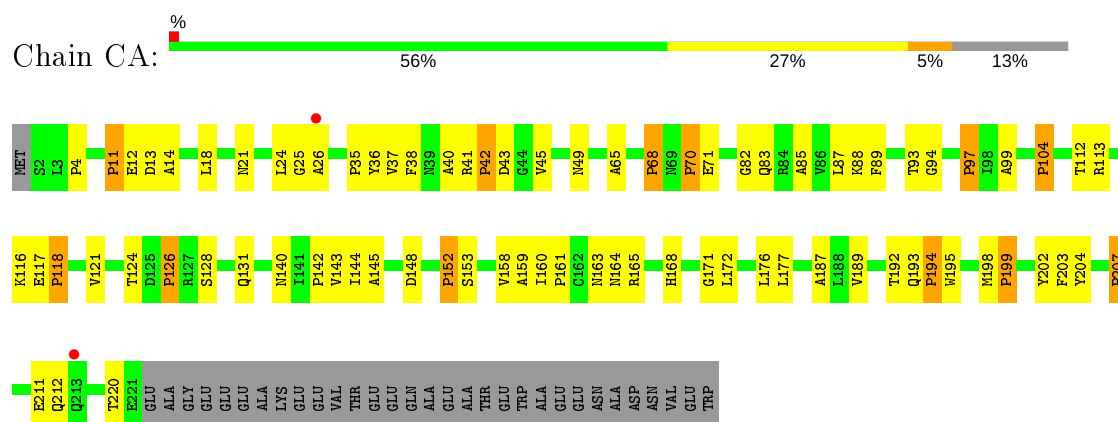




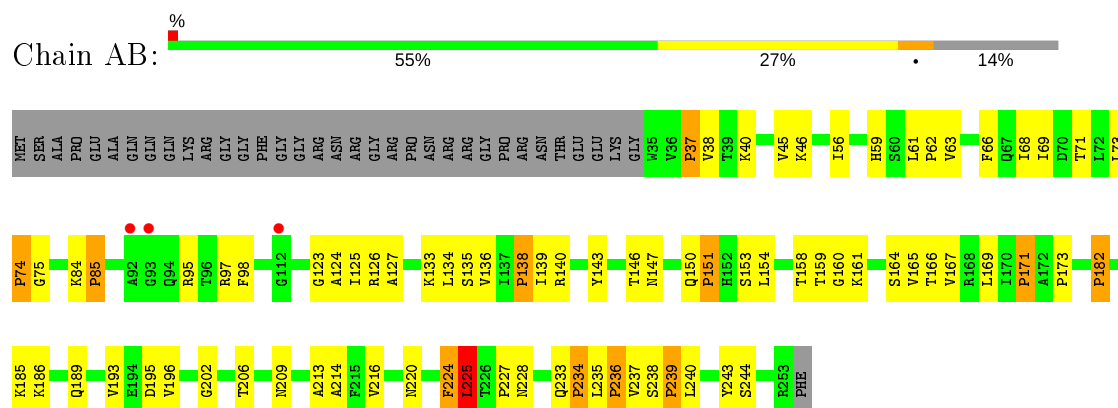
- Molecule 2: 40S ribosomal protein S0-A



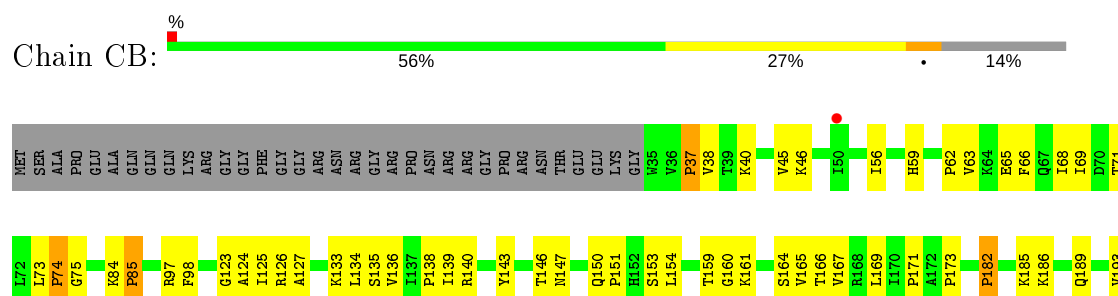
• Molecule 2: 40S ribosomal protein S0-A



• Molecule 3: 40S ribosomal protein S2

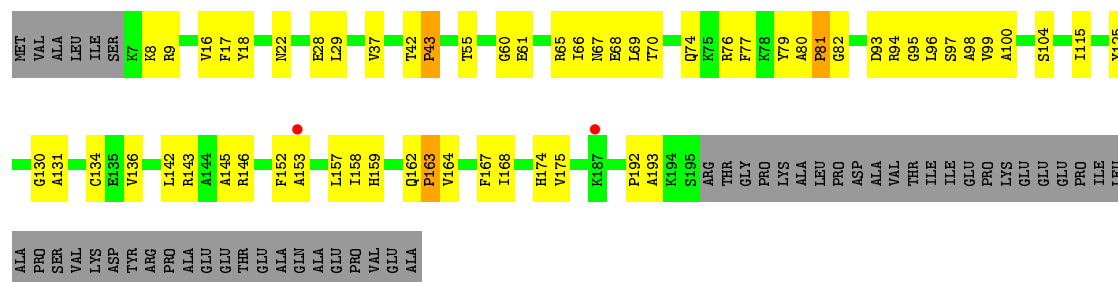


• Molecule 3: 40S ribosomal protein S2

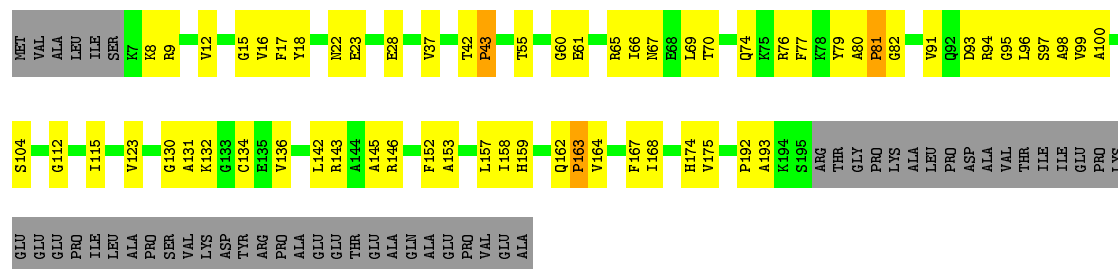




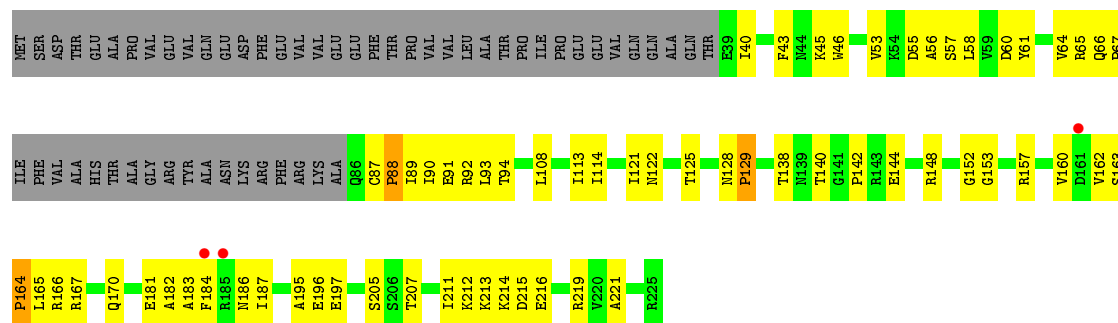
• Molecule 4: 40S ribosomal protein S3



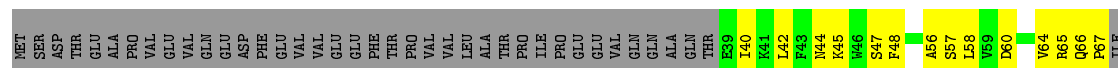
• Molecule 4: 40S ribosomal protein S3

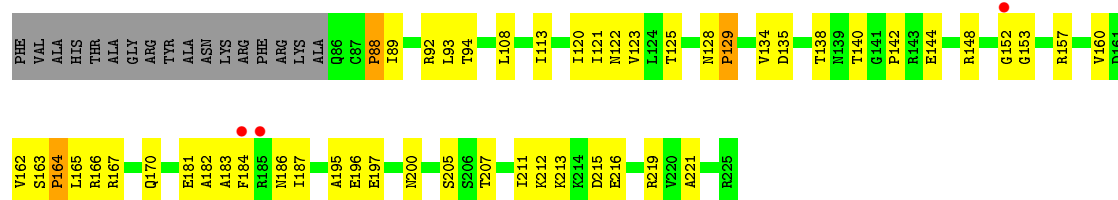


• Molecule 5: 40S ribosomal protein S5

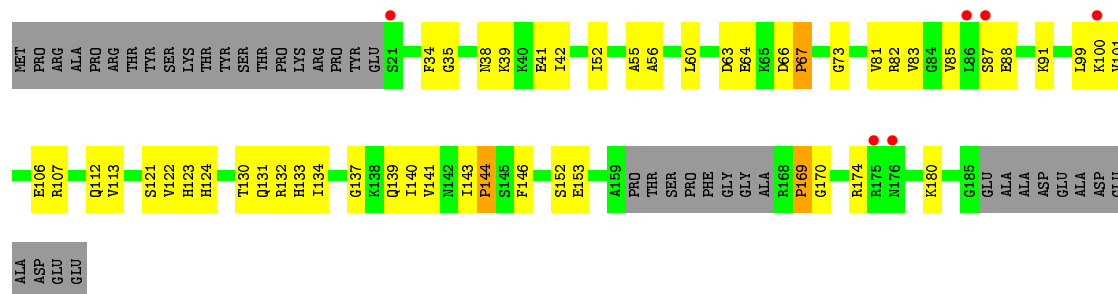


• Molecule 5: 40S ribosomal protein S5

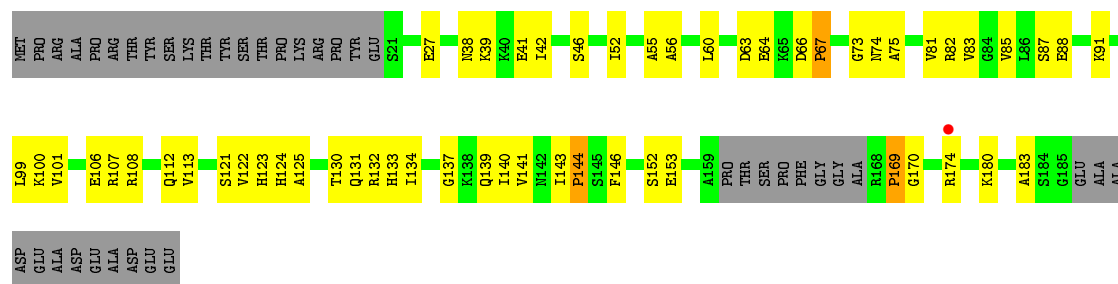




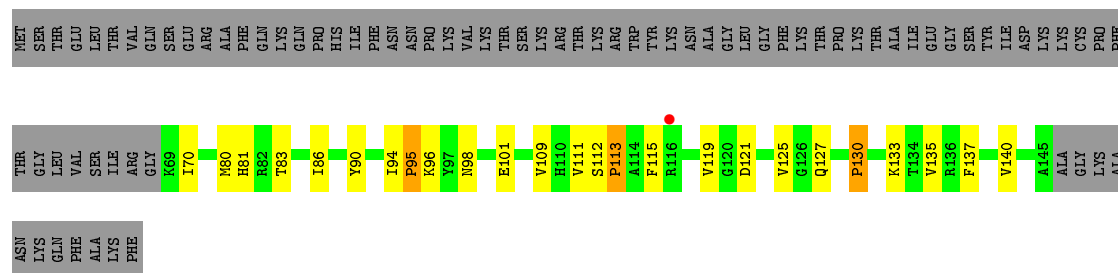
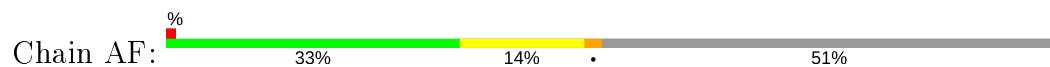
• Molecule 6: 40S ribosomal protein S9-A



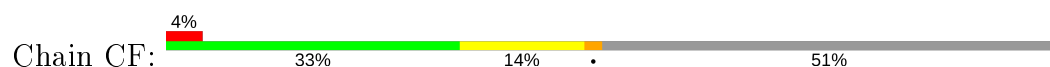
• Molecule 6: 40S ribosomal protein S9-A

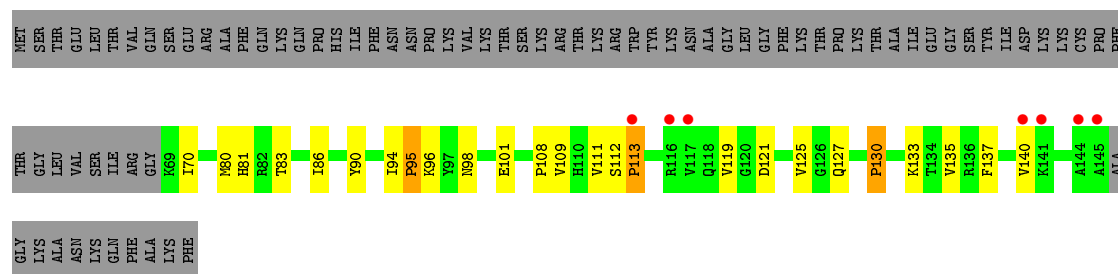


• Molecule 7: 40S ribosomal protein S11



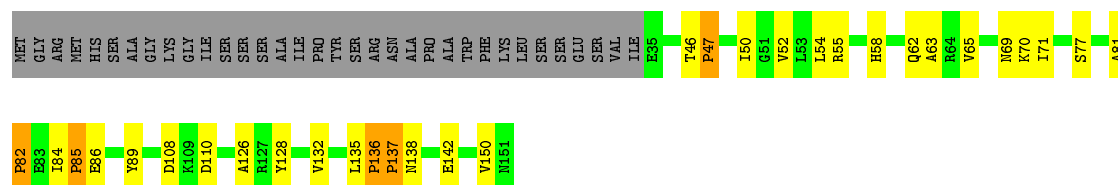
• Molecule 7: 40S ribosomal protein S11





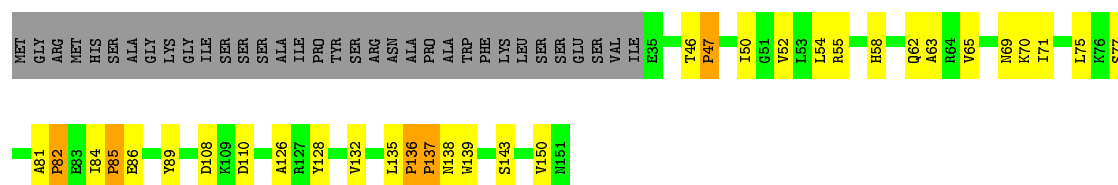
• Molecule 8: 40S ribosomal protein S13

Chain AG: 57% 17% 23%



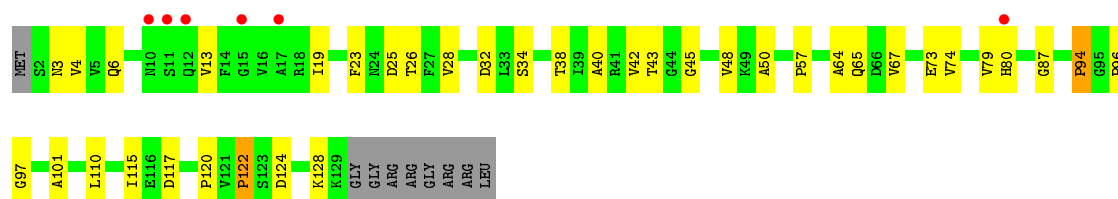
• Molecule 8: 40S ribosomal protein S13

Chain CG: 56% 19% 23%



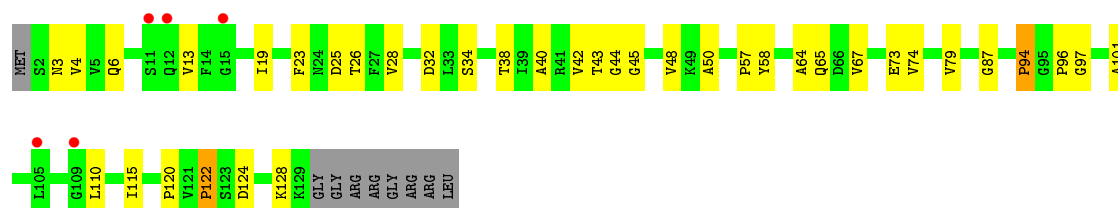
• Molecule 9: 40S ribosomal protein S14-A

Chain AH: 4% 66% 26% 7%

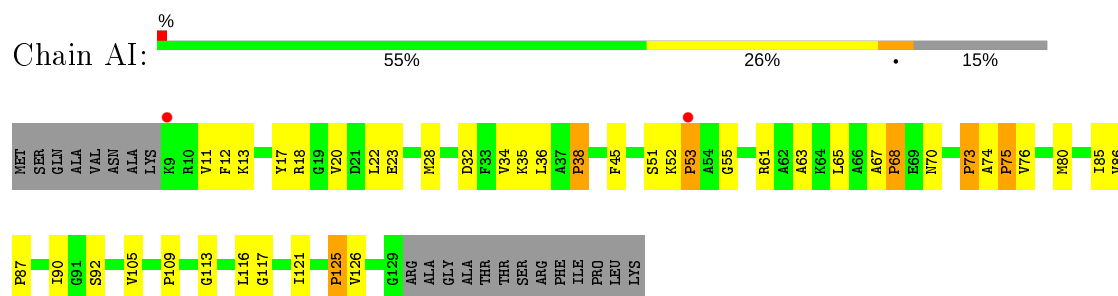


• Molecule 9: 40S ribosomal protein S14-A

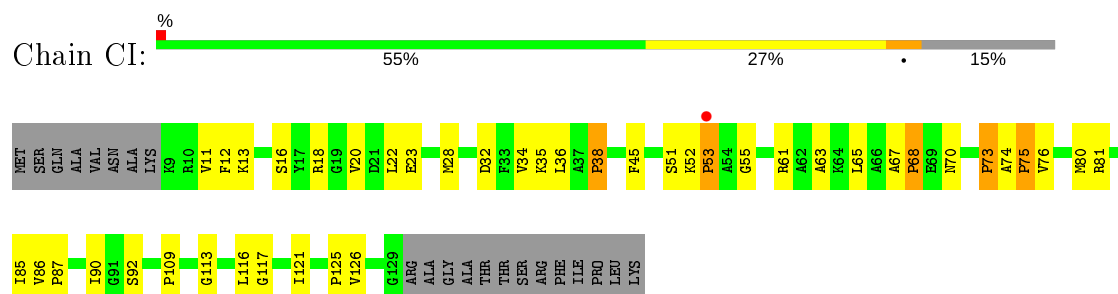
Chain CH: 4% 66% 26% 7%



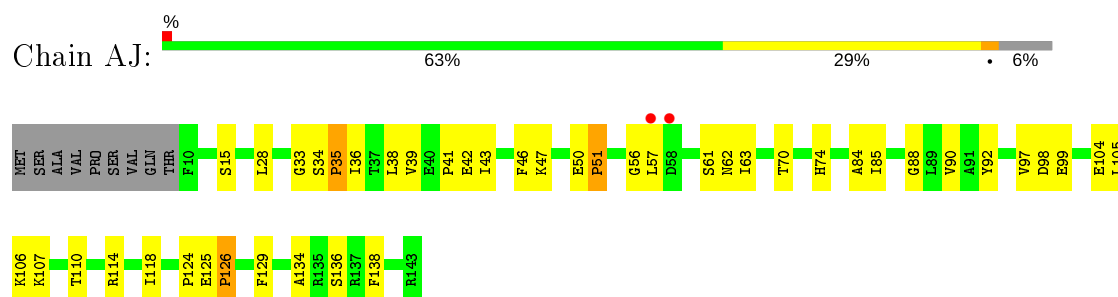
- Molecule 10: 40S ribosomal protein S15



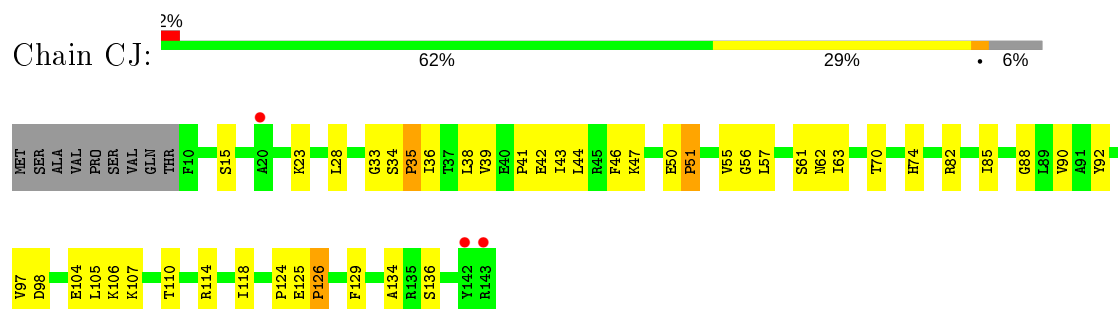
- Molecule 10: 40S ribosomal protein S15



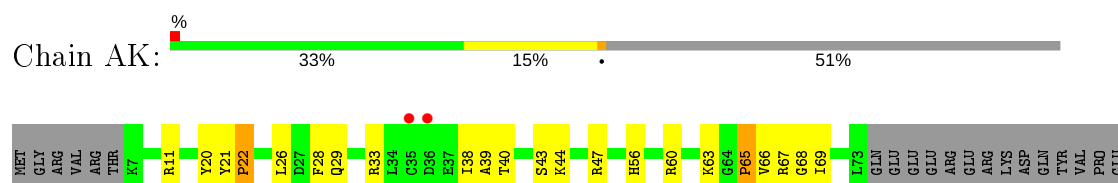
- Molecule 11: 40S ribosomal protein S16



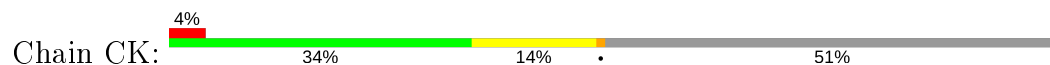
- Molecule 11: 40S ribosomal protein S16



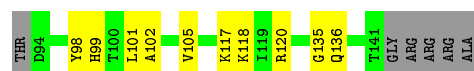
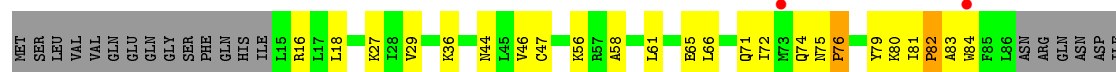
- Molecule 12: 40S ribosomal protein S17-A



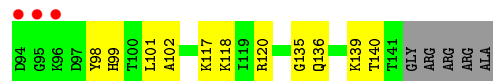
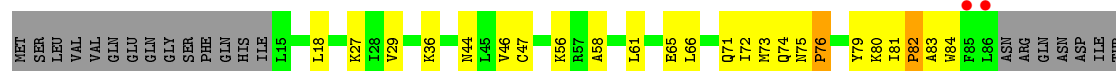
- Molecule 12: 40S ribosomal protein S17-A



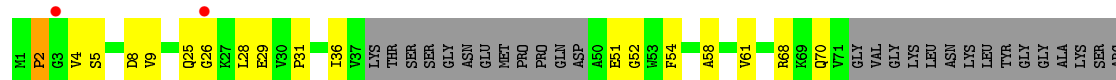
- Molecule 13: 40S ribosomal protein S18



- Molecule 13: 40S ribosomal protein S18

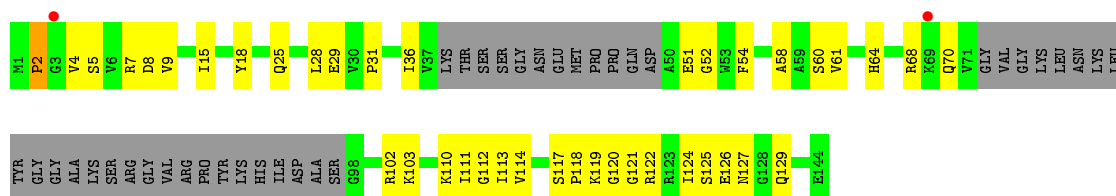


- Molecule 14: 40S ribosomal protein S19-A



- Molecule 14: 40S ribosomal protein S19-A

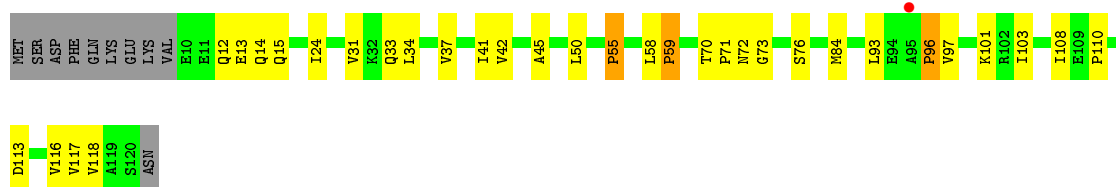




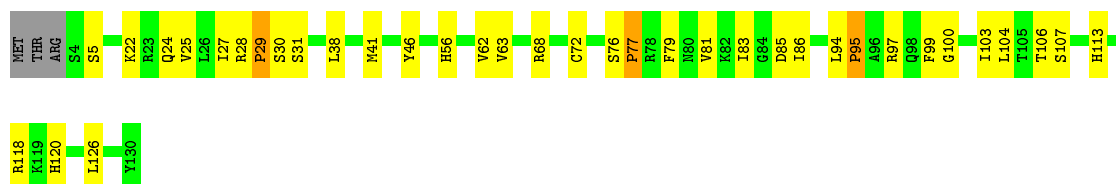
- Molecule 15: 40S ribosomal protein S20



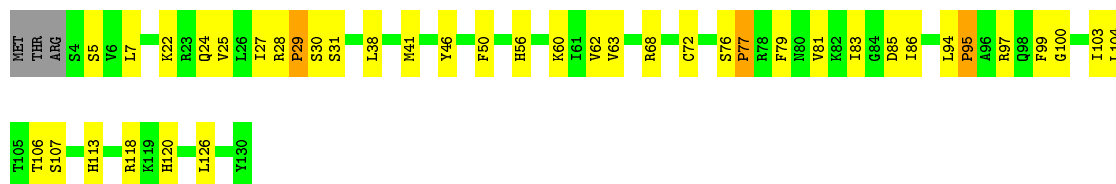
- Molecule 15: 40S ribosomal protein S20



- Molecule 16: 40S ribosomal protein S22-A

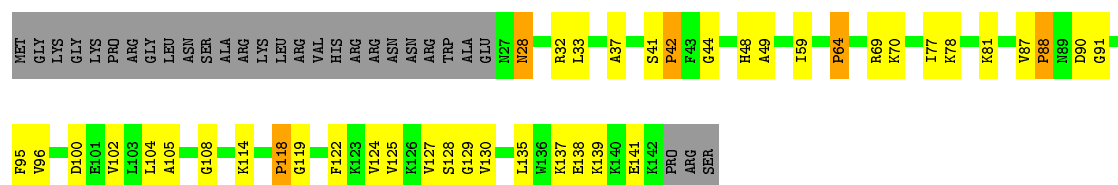


- Molecule 16: 40S ribosomal protein S22-A



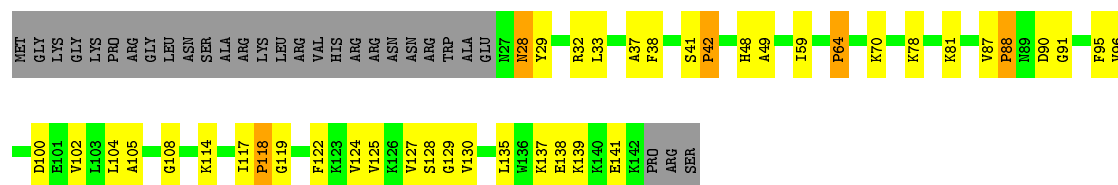
- Molecule 17: 40S ribosomal protein S23

Chain AP: 



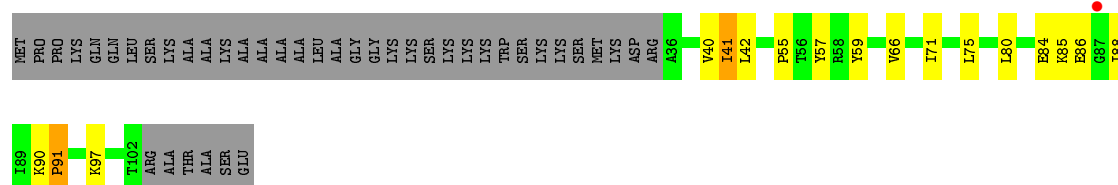
- Molecule 17: 40S ribosomal protein S23

Chain CP: 

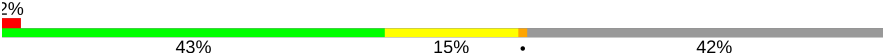


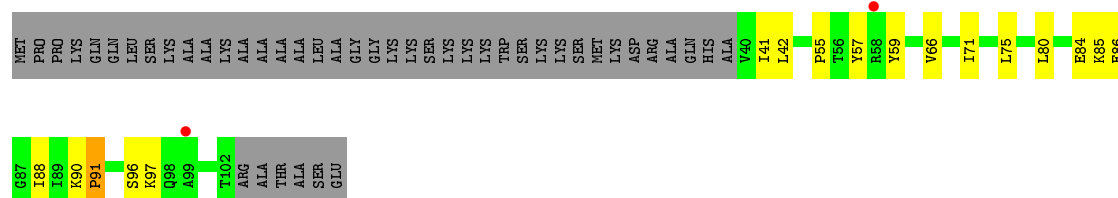
- Molecule 18: 40S ribosomal protein S25-A

Chain AQ: 



- Molecule 18: 40S ribosomal protein S25-A

Chain CQ: 

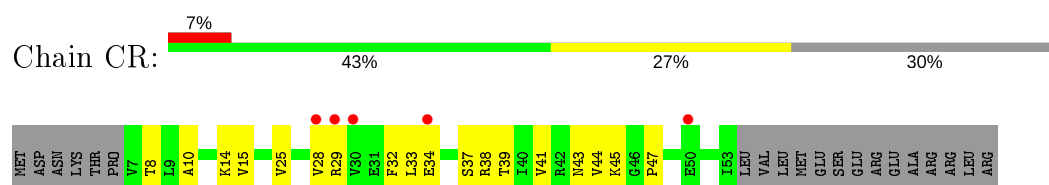


- Molecule 19: 40S ribosomal protein S28-A

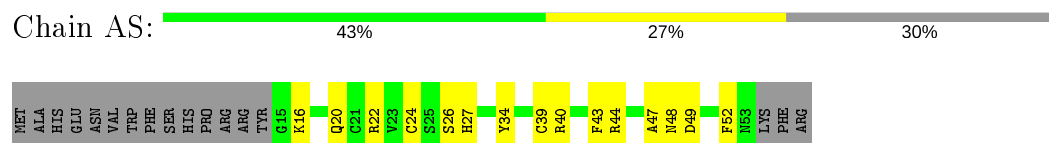
Chain AR: 



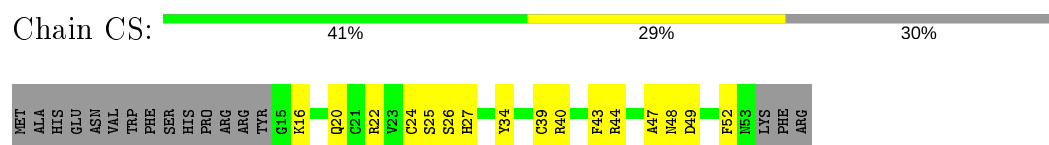
- Molecule 19: 40S ribosomal protein S28-A



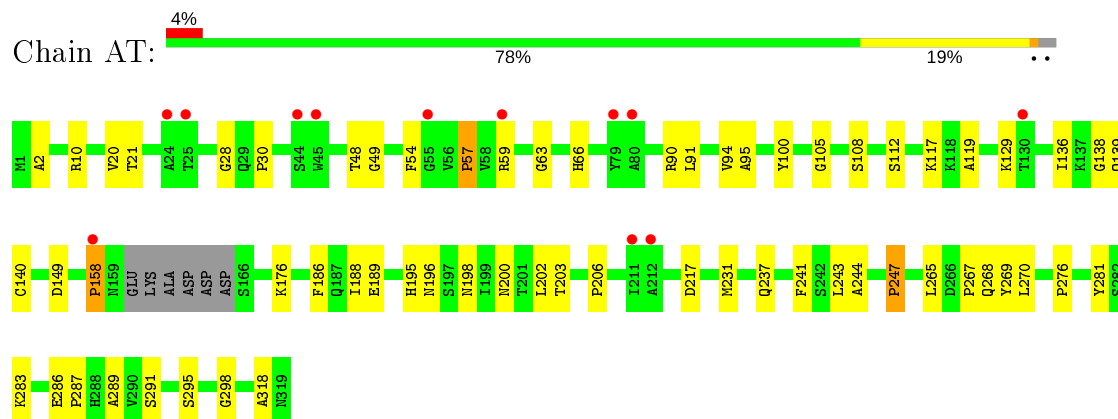
- Molecule 20: 40S ribosomal protein S29-A



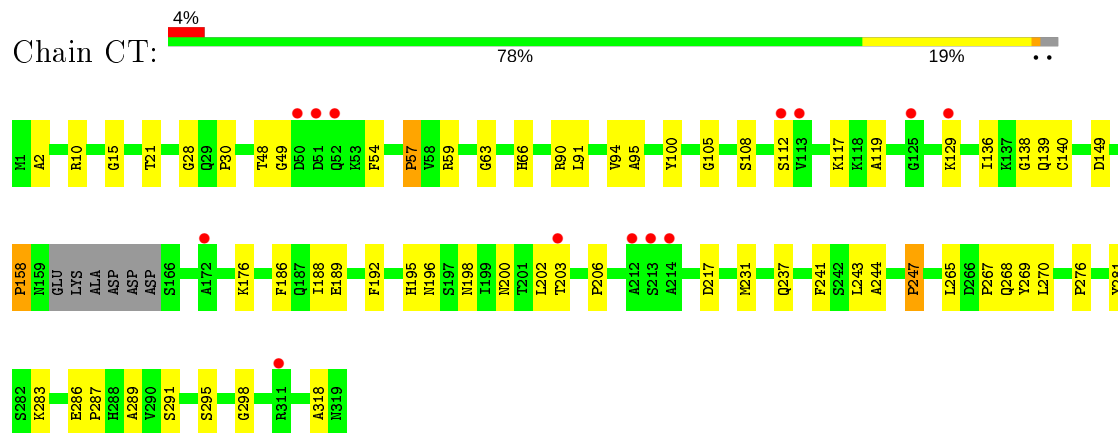
- Molecule 20: 40S ribosomal protein S29-A



- 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

Chain Aa:  100%

There are no outlier residues recorded for this chain.

- Molecule 22: Unassigned secondary structure

Chain Bo:  95% 5%



- Molecule 22: Unassigned secondary structure

Chain Ca:  100%

There are no outlier residues recorded for this chain.

- Molecule 23: Unassigned secondary structure

Chain Ab:  99% .



- Molecule 23: Unassigned secondary structure

Chain Cb:  99% .



- Molecule 24: Unassigned secondary structure

Chain Ac:  99% .



- Molecule 24: Unassigned secondary structure

Chain Cc:  100%

There are no outlier residues recorded for this chain.

- Molecule 25: Unassigned secondary structure

Chain Ad:  100%

There are no outlier residues recorded for this chain.

- Molecule 25: Unassigned secondary structure

Chain Cd:  100%

There are no outlier residues recorded for this chain.

- Molecule 26: Unassigned secondary structure

Chain Ae:  100%

There are no outlier residues recorded for this chain.

- Molecule 26: Unassigned secondary structure

Chain Bj:  100%

There are no outlier residues recorded for this chain.

- Molecule 26: Unassigned secondary structure

Chain Dj:  100%

There are no outlier residues recorded for this chain.

- Molecule 27: Unassigned secondary structure

Chain Af:  100%

There are no outlier residues recorded for this chain.

- Molecule 28: Unassigned secondary structure

Chain Ah:  100%

There are no outlier residues recorded for this chain.

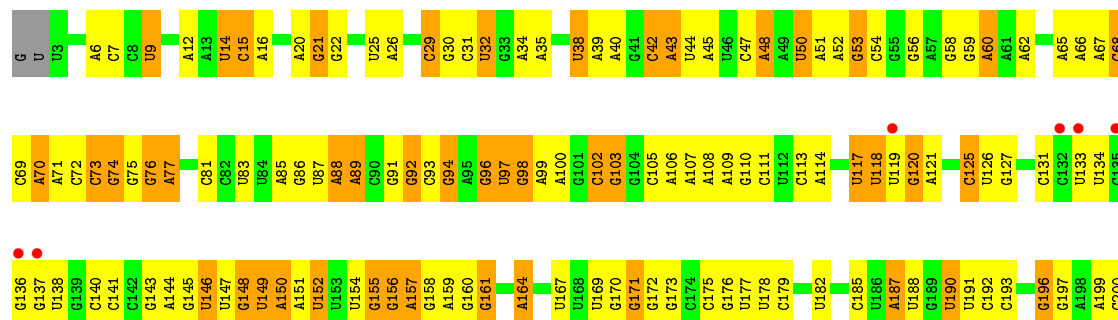
- Molecule 28: Unassigned secondary structure

Chain Ch:  100%

There are no outlier residues recorded for this chain.

- Molecule 29: 25S ribosomal RNA

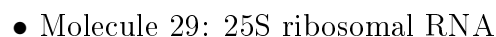
Chain B1: 



A1120	A1054	U985	A920	G880	U790	C729	A660	C596	U528	G	G400	G337	A266	A201
U1123	A1056	G986	A921	C861	A791	C730	G661	G597	A529	U	U401	A338	G267	G202
U1124	U987	U982	U922	U862	G792	U731	U662	A603	A529	G	A402	C339	A268	G203
U1125	U989	C923	C923	C863	G793	G732	A665	U605	G531	U	G404	C340	G269	A204
U1059	U989	G924	G924	U865	U794	G733	A666	U606	G532	U	U405	G341	U270	C205
U1060	U992	C927	C927	U866	G795	G734	A667	C806	A533	A	G406	U343	G271	G206
A1061	U993	U930	U930	G867	G799	A735	G668	A607	U536	G	A407	U344	G272	U207
A1062	U994	U931	U931	G868	G800	A736	U669	G609	U537	G	U408	A344	C208	C208
A1063	U995	C931	C931	U869	G801	G737	C670	G610	U538	G	A409	C346	A209	U210
A1064	U996	U932	U932	G870	C802	A738	U671	G611	G539	G	U410	U347	U210	U210
A1065	A997	A933	A933	U871	C803	U741	G674	A611	U540	A	A417	A349	G281	A211
A1066	A998	G934	G934	U872	C804	G742	C675	G612	U541	U	A418	C350	G282	G214
A1067	G999	U935	U935	C873	G805	C743	G676	G613	U542	U	A419	A351	G283	G215
A1068	U936	A936	A936	U874	A806	A744	G677	C614	U543	C	U420	A352	A284	G216
U1071	G937	U937	U937	G875	A807	C745	A677	U615	C544	U	G421	A353	U286	U217
U1072	G938	C938	C938	U876	A808	A746	U678	G616	U545	C	G422	U354	G287	G218
U1073	U939	U939	U939	A877	G809	A747	U679	G617	U546	G	A423	A357	G288	A219
U1074	U940	G940	G940	C877	C809	A748	G680	C618	U547	C	G424	A358	G289	G220
U1075	G941	G941	G941	U878	U810	C749	U681	A619	U548	A	U425	G359	U292	A221
A1076	U942	U942	U942	G879	G811	G750	U682	U620	U549	U	A426	G360	U293	U223
A1077	U943	U943	U943	C881	G812	A751	U683	A621	A550	U	U427	G361	U294	C224
U1078	C944	C944	C944	U882	U814	C752	G684	A622	U551	U	U428	A362	G297	C225
U1079	U945	C945	C945	A883	G815	G753	G685	U623	U552	A	U429	U363	A295	C226
A1080	U946	U946	U946	A884	A816	G754	G686	G624	U553	C	U430	G364	G297	G227
U1081	G947	G947	G947	U885	A817	A755	U687	G625	U554	U	U431	A365	U298	U228
U1082	C948	C948	C948	C886	U818	U756	A691	U626	A555	U	G432	A366	U299	G229
U1083	U949	U949	U949	U887	G819	C757	U692	U627	A556	U	A433	G367	G300	U230
A1084	U950	C950	C950	C888	A820	C758	A693	A628	U557	U	U434	A368	G301	U231
A1085	U951	U951	U951	U889	U821	U759	A694	U629	U558	U	G435	G369	U302	G237
A1086	A951	A951	A951	U890	G822	G760	G694	A630	U559	U	U436	U370	G303	A238
U1087	G952	G952	G952	C891	G823	A761	A697	U631	U560	U	G437	A371	G304	G239
A1088	U953	U953	U953	U892	U825	U762	U698	C633	U561	U	U438	A372	U305	U240
A1089	U954	U954	U954	C893	G826	G763	A699	C634	U562	U	U439	A373	A306	G241
U1090	U955	U955	U955	G894	U827	U764	A699	C635	U563	U	U440	A374	U307	C242
U1091	C957	C957	C957	A895	A828	C765	G703	G636	U564	U	G	A375	A308	G243
U1092	U958	U958	U958	U896	U829	U766	U704	C637	U565	U	G	A376	G244	U245
U1093	C959	C959	C959	U897	A830	U767	A705	C638	U566	U	U	A377	U246	C247
U1094	U960	U960	U960	U898	G831	C768	A706	G639	U567	U	U	A378	U248	U249
U1095	C961	C961	C961	U899	G832	C769	U707	G640	U568	U	U	A379	U250	G251
U1096	A962	A962	A962	G900	U833	G770	U707	U641	U569	U	U	U380	U251	U252
U1097	G963	G963	G963	U901	U834	A771	U711	C642	U570	U	U	U381	U253	A253
U1098	A964	A964	A964	G902	G835	U772	A711	U643	U571	U	U	U382	U254	U261
A1099	U965	U965	U965	U903	U836	G773	G712	U644	U572	U	U	U383	A317	G262
A1100	U966	U966	U966	A904	A837	G774	U713	G645	U573	U	U	U384	A318	C263
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U1102	G968	G968	G968	A906	C839	U776	A715	A647	U575	U	U	A386	A323	G258
U1103	C969	C969	C969	G907	U840	U777	A716	A648	U576	U	U	A387	U329	C259
U1104	A970	A970	A970	U908	A841	U778	C717	U649	U577	U	U	A388	G330	G260
U1105	G971	G971	G971	G909	G845	G779	G718	A649	U578	U	U	A389	G331	U261
U1106	C974	C974	C974	U910	U846	A780	U719	C850	U579	U	U	A390	G332	G262
U1107	C975	C975	C975	C911	A847	U781	A720	G851	U580	U	U	A391	U328	C263
U1108	G978	G978	G978	U912	U848	U782	G721	G852	U581	U	U	A392	U329	G264
A1109	U979	U979	U979	A913	A849	A783	G722	A653	U582	U	U	A393	G333	A265
U1110	A980	A980	A980	U914	U850	A784	G723	C654	U583	U	U	A394	G334	G266
U1111	U981	U981	U981	A915	G853	U724	U724	C655	U584	U	U	A395	G335	U267
U1112	U982	U982	U982	U916	U854	G725	G725	A656	U585	U	U	A396	G336	G268
U1113	U983	U983	U983	G917	G855	G726	G726	A657	U586	U	U	A397	G337	C269
U1114	U984	U984	U984	U918	U856	G727	G727	A658	U587	U	U	A398	G338	G270
U1115	U985	U985	U985	U919	U857	G728	G728	G659	U588	U	U	A399	A336	A266



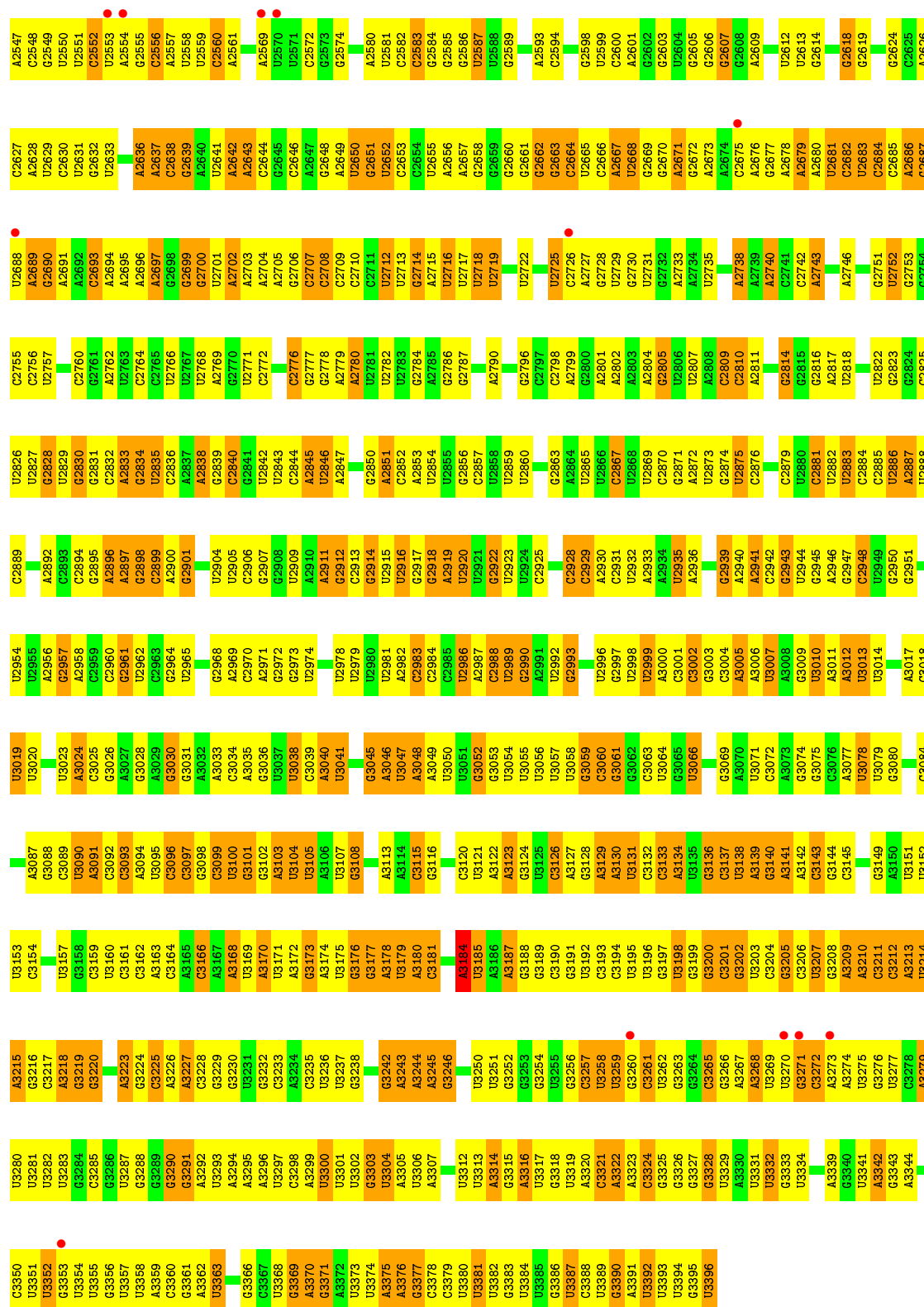
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G2917	U2986	A2779	C2711	G2648	A2580	U2498	A2432	A2361	A2295	G2218	A2143
G2918	C2987	A2780	U2712	U2649	A2581	U2499	A2433	C2362	A2296	G2219	A2144
C3053	C2988	U2781	U2713	U2650	G2582	A2500	U2434	C2363	U2297	A2222	C2146
U3054	U2989	U2782	G2714	G2651	C2583	U2501	U2435	C2364	U2298	A2223	A2147
U3055	G2990	U2783	G2715	U2652	G2584	G2502	U2436	C2365	G2233	A2224	U2148
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U3057	U2992	G2785	U2717	G2654	G2586	U2504	A2438	G2369	G2300	C2227	A2149
G2993	U2993	G2787	U2718	A2656	G2587	U2505	A2439	G2370	U2301	G2227	G2150
C3059	G2994	U2788	U2719	A2657	U2588	U2506	A2440	G2371	A2302	C2237	C2151
G3061	U2995	A2790	U2720	G2658	G2589	A2511	C2441	A2372	G2303	U2241	U2152
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G2997	U2997	C2797	C2726	G2660	A2591	C2513	C2443	A2374	C2305	C2156	C2156
U2998	U2998	A2798	A2727	G2661	U2514	U2514	A2444	A2375	G2306	G2157	A2157
C3062	C3051	G2799	G2728	C2664	C2594	A2515	U2447	G2376	A2244	C2245	A2158
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G3065	C3001	G2800	G2730	U2666	G2598	U2517	A2449	G2378	U2310	G2247	G2161
G3002	G3002	A2801	U2731	A2667	U2599	U2518	G2450	U2379	G2311	C2248	A2166
G3003	G3003	G2802	G2732	U2668	G2600	A2520	G2451	U2380	A2312	G2249	A2167
C3004	C3004	A2803	A2733	U2669	A2601	U2521	G2452	G2381	G2313	G2250	A2168
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C3072	A3008	G2806	A2736	G2672	U2604	A2524	U2455	A2384	G2253	G2253	G2172
A3073	G3009	U2807	G2737	A2673	G2605	A2525	A2456	A2385	A2254	A2254	U2173
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U3078	G3014	G2812	C2742	G2677	G2610	U2530	A2461	C2392	U2260	G2178	A2178
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U3023	U3023	U2822	G2749	U2683	G2616	U2542	G2467	A2398	G2267	U2186	U2186
A3024	A3024	G2823	U2750	C2684	G2617	U2543	G2468	G2399	A2270	A2187	A2187
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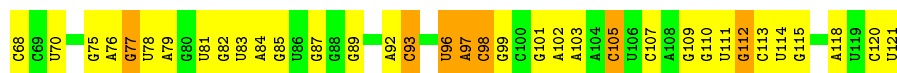
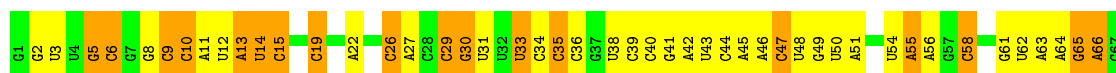


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G	U411	G345	U278	A209	G141	G73	
A		C346		U210		G74	A6
A	A417	G347	G281	A211	A144	G75	U9
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C	A422	A352	U286	A219	U150	C82	A13
C	A423	G353	G287	A219	A150	U83	U14
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U		G358	G290	A222	U153	G86	
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U	A428		U292	C224	G155	A88	C21
C	U429	U362	C293	C225	G156	A89	C22
A	U430	G363	U294	C226	A157		
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	G432	A365	A296		U159	C93	A26
G484	A433	A366	G297	U230	G160	G94	
G484	U434	A367	U298	C231	G161	A95	C29
G485	C435	G368	G299	G232		G96	
C486	A436	A369	C300	C233	A164	U97	U32
C487	G437	U370	G301		U167	G98	
A488	A438	G371		G237	U168	A99	A35
G489	C439			A238	U169	A100	
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U507	U	U381	C311	U246	G176	A108	A45
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G510	G	U316	A324	U249	C179	C111	A48
G511	U	A385	A317	G256		U112	A49
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G514	C	G386		C259	C185		A52
C515	C	A389	A323	A253	U186	U117	
A516	U	G390	U324	A254	A187	U118	C54
G517	C	A391	A325	G255	U188	U119	G55
C518	U	G392	U326	C256	G189	G120	G56
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U520	C	A395	U328	C258	U191	A122	
A521	C	A396	U329	C259	C192	G58	G59
A522	C	C397	C330	C260		C125	A60
A523	C	A398	G331	U261	G196	U126	A61
U524	U	A399	C332	C262	G197	G127	A62
C525	U	G400	G333	G263	A198		A63
G526	G	U401	A334	G264	A199	G64	
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U528	G	C403		A266	A201	U133	A66
A529	U	G404	A338	G267		U134	
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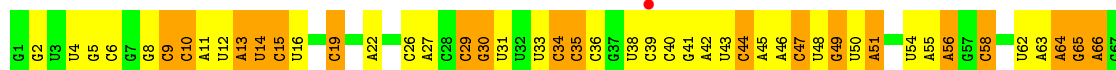
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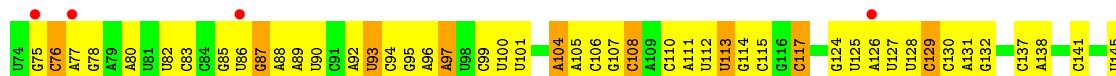
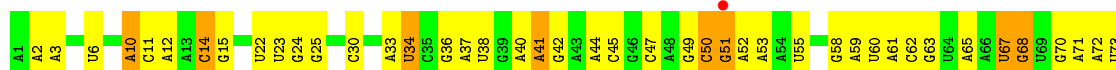




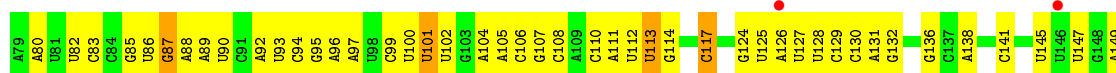
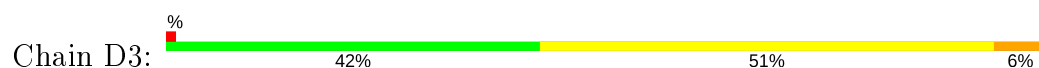
- Molecule 30: 5S ribosomal RNA



- Molecule 31: 5.8S ribosomal RNA

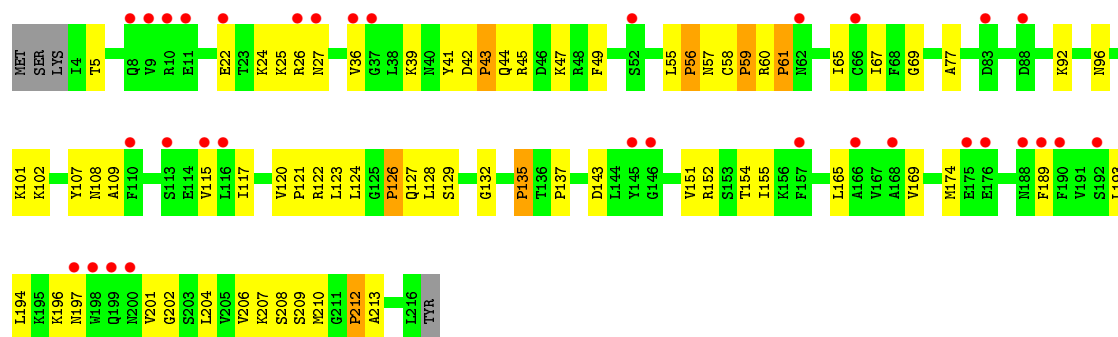


- Molecule 31: 5.8S ribosomal RNA

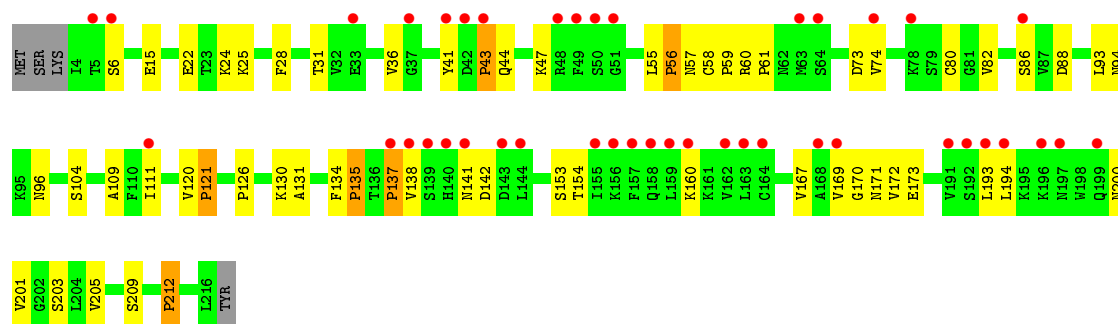


- Molecule 32: 60S ribosomal protein L1

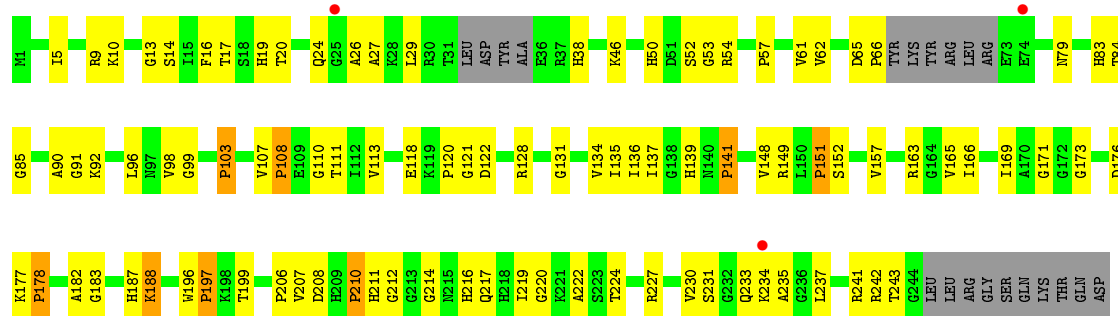




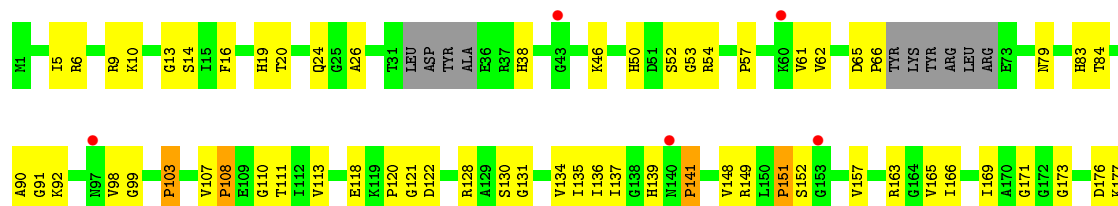
• Molecule 32: 60S ribosomal protein L1



• Molecule 33: 60S ribosomal protein L2



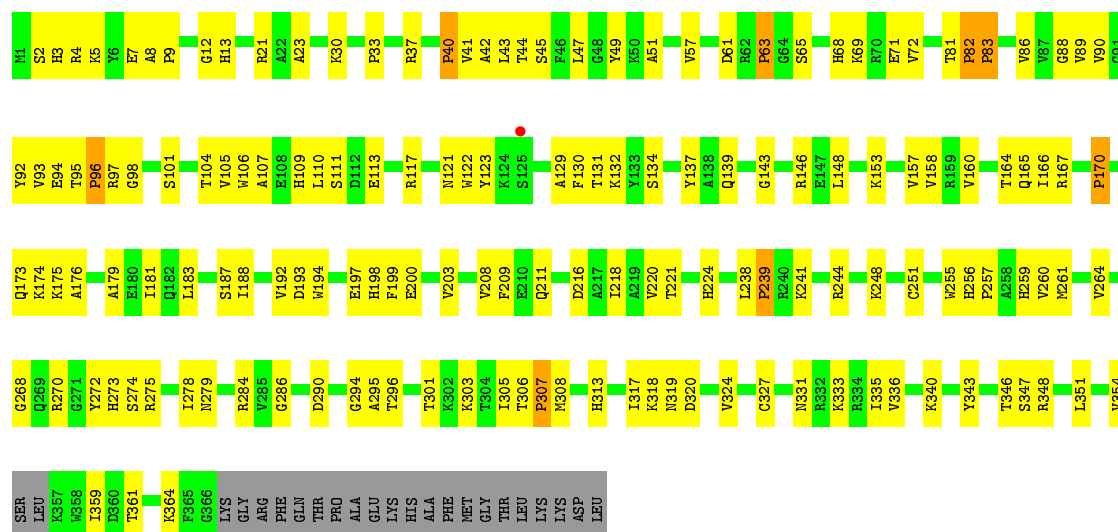
• Molecule 33: 60S ribosomal protein L2





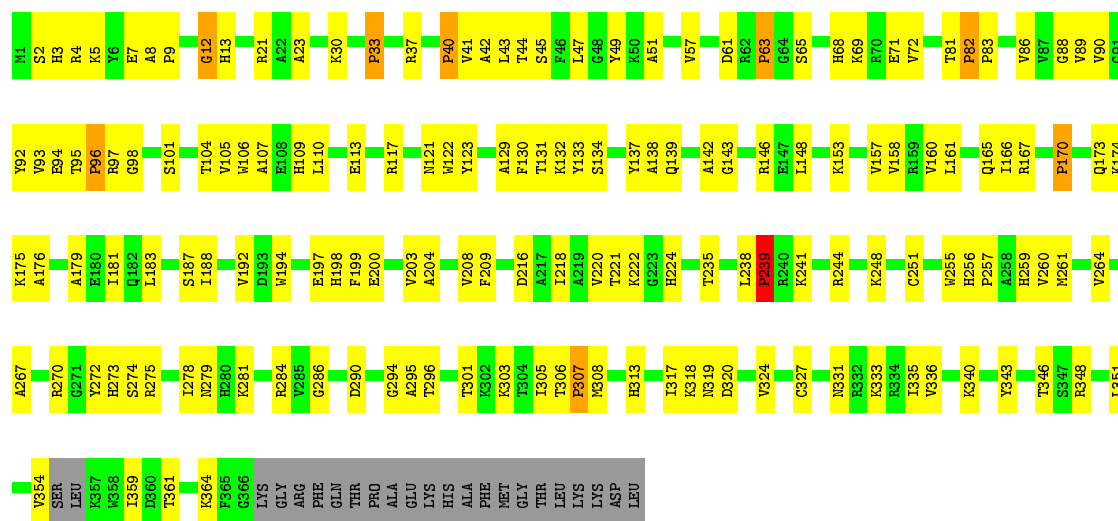
• Molecule 34: 60S ribosomal protein L3

Chain BC: 54% 38% 6%



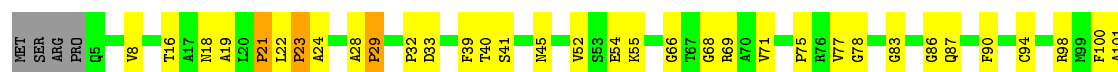
• Molecule 34: 60S ribosomal protein L3

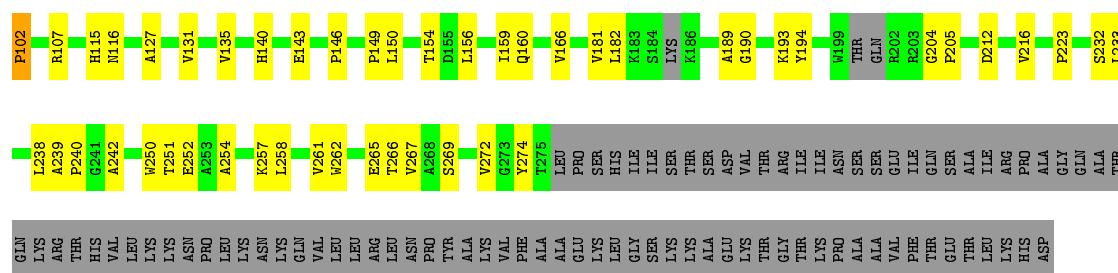
Chain DC: 53% 39% 6%



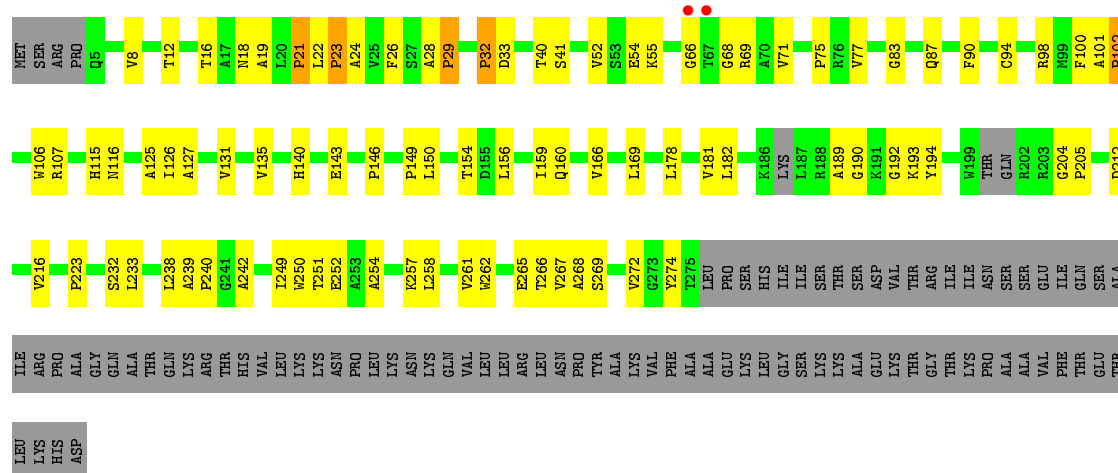
• Molecule 35: 60S ribosomal protein L4-A

Chain BD: 51% 22% 26%

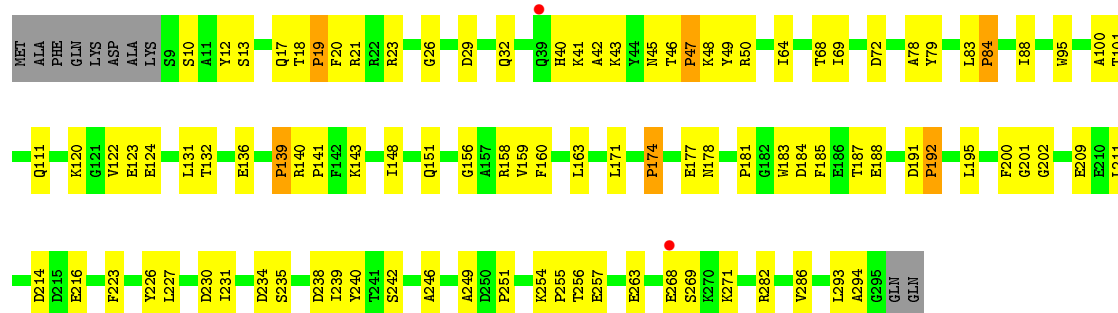




• Molecule 35: 60S ribosomal protein L4-A

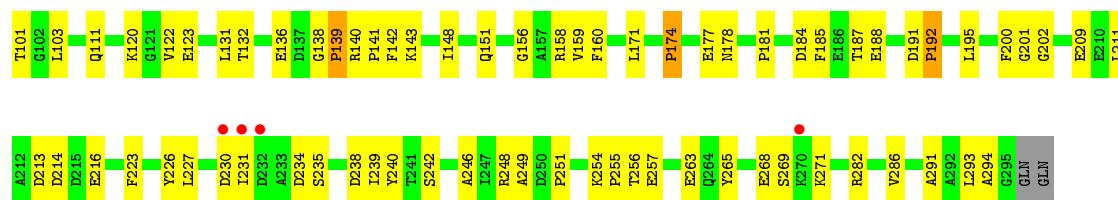


• Molecule 36: 60S ribosomal protein L5

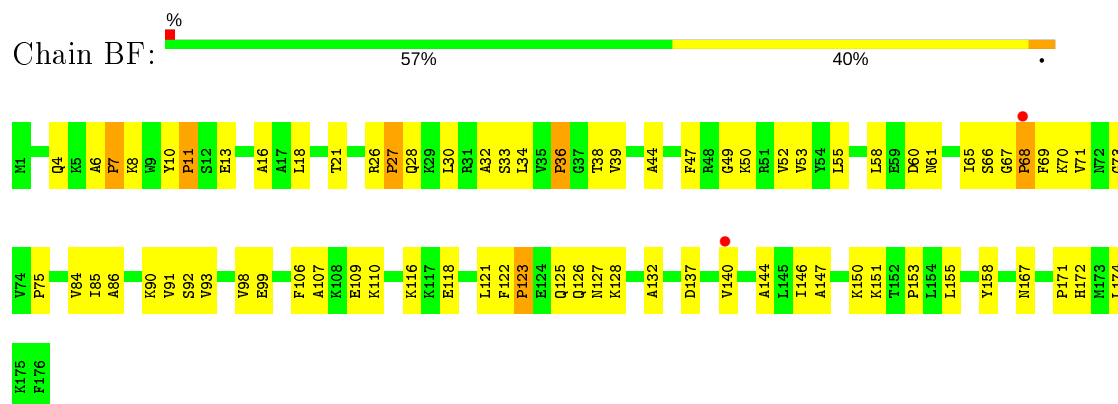


• Molecule 36: 60S ribosomal protein L5

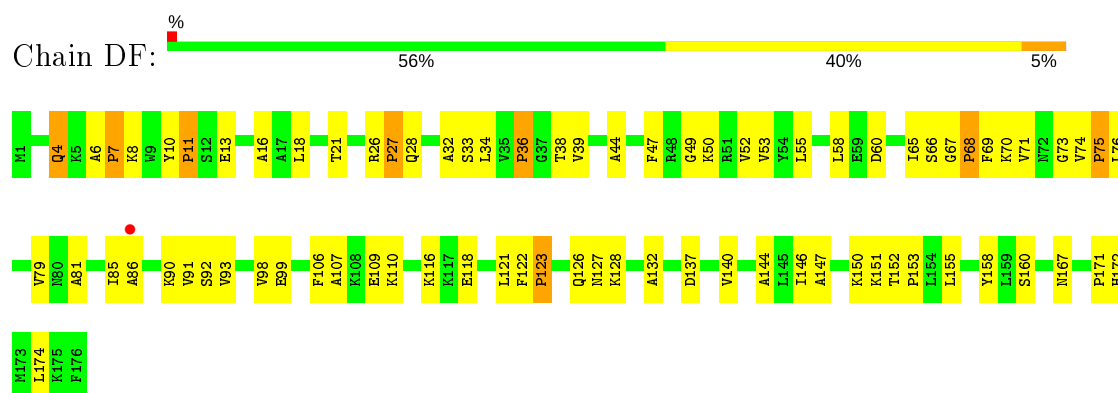




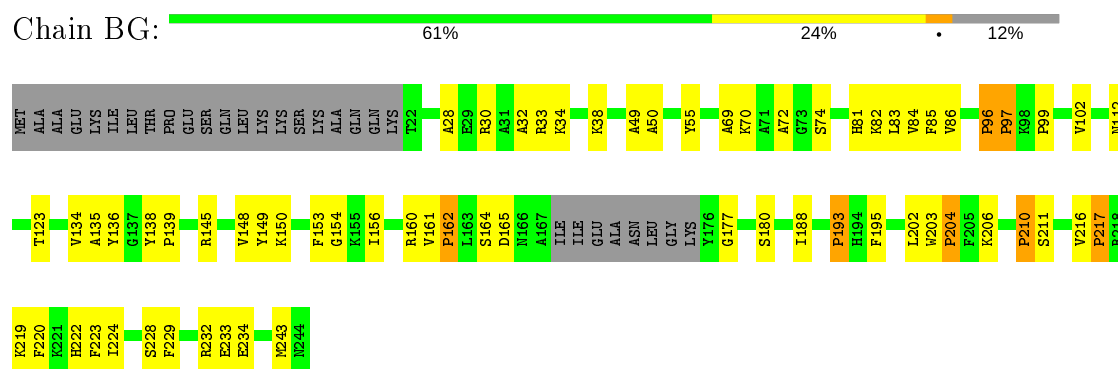
• Molecule 37: 60S ribosomal protein L6-A



• Molecule 37: 60S ribosomal protein L6-A

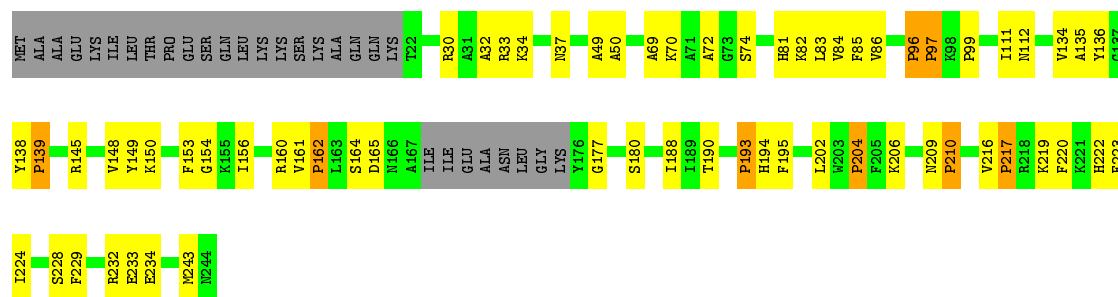


• Molecule 38: 60S ribosomal protein L7-A

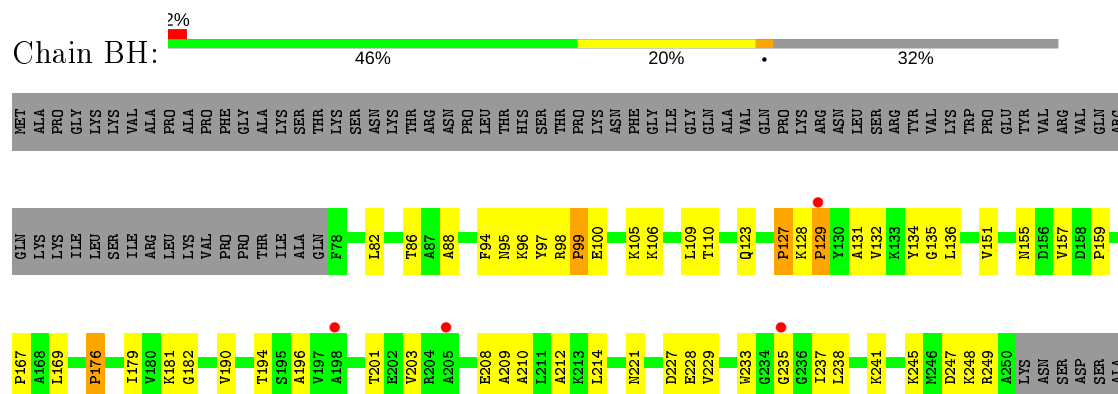


• Molecule 38: 60S ribosomal protein L7-A

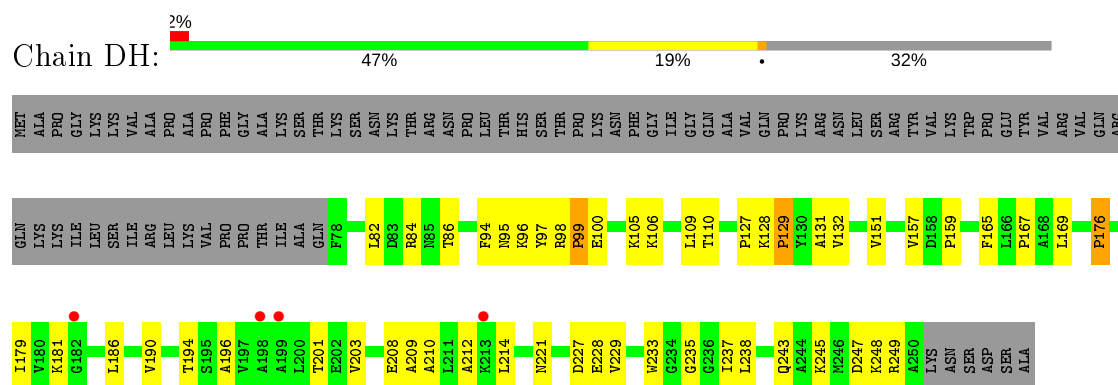




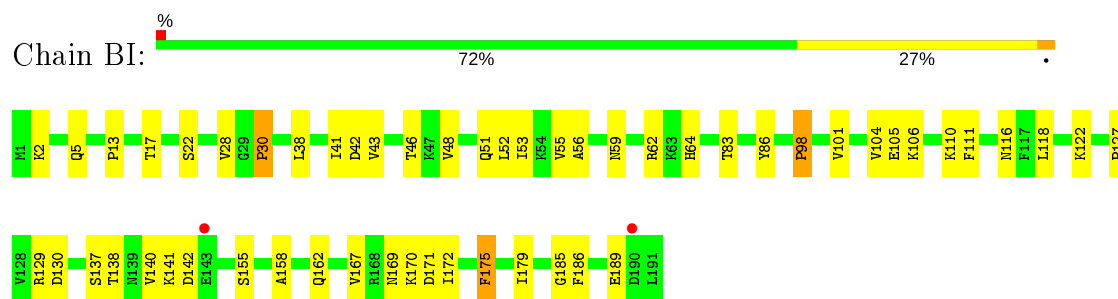
- Molecule 39: 60S ribosomal protein L8-A



- Molecule 39: 60S ribosomal protein L8-A

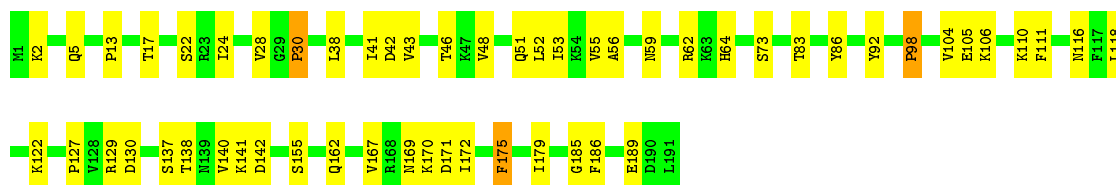


- Molecule 40: 60S ribosomal protein L9-A



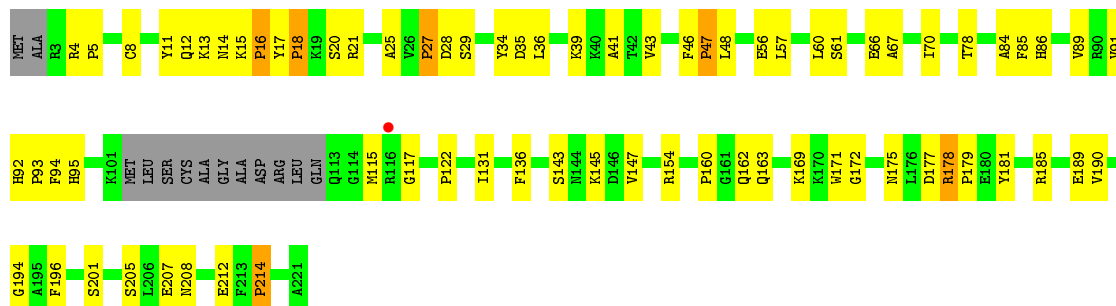
- Molecule 40: 60S ribosomal protein L9-A





- Molecule 41: 60S ribosomal protein L10

Chain BJ: 61% 31% 6%



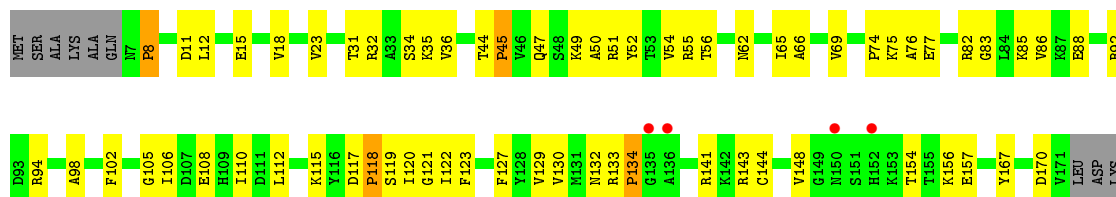
- Molecule 41: 60S ribosomal protein L10

Chain DJ: 60% 30% 6%



- Molecule 42: 60S ribosomal protein L11-A

Chain BK: 2% 57% 36% 5%



- Molecule 42: 60S ribosomal protein L11-A

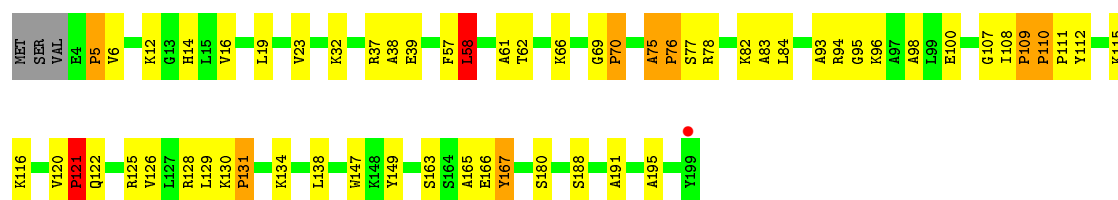
Chain DK: 59% 34% 5%

Chain BP: 



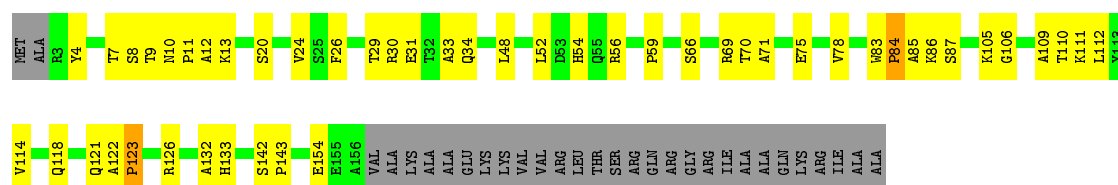
- Molecule 45: 60S ribosomal protein L16-A

Chain DP: 



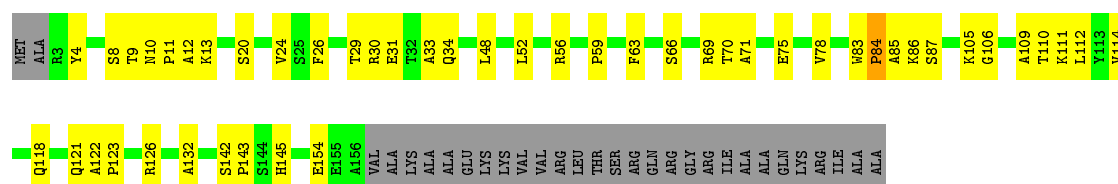
- Molecule 46: 60S ribosomal protein L17-A

Chain BQ: 



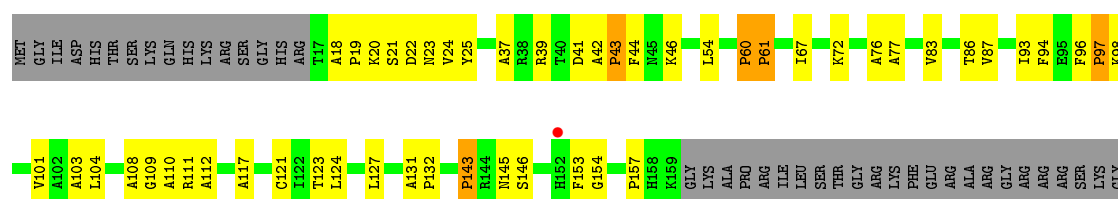
- Molecule 46: 60S ribosomal protein L17-A

Chain DQ: 



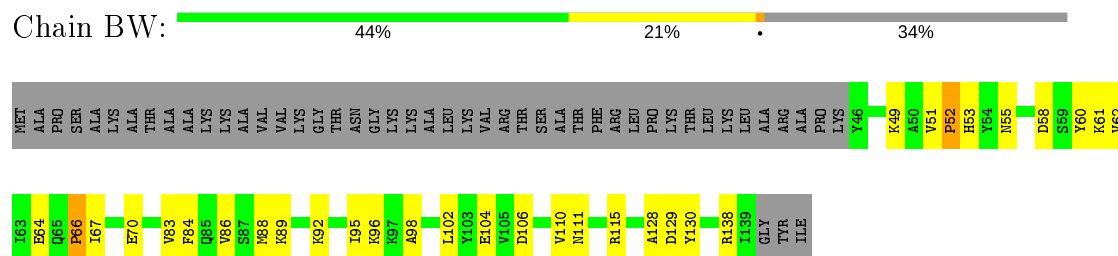
- Molecule 47: 60S ribosomal protein L18

Chain BR: 

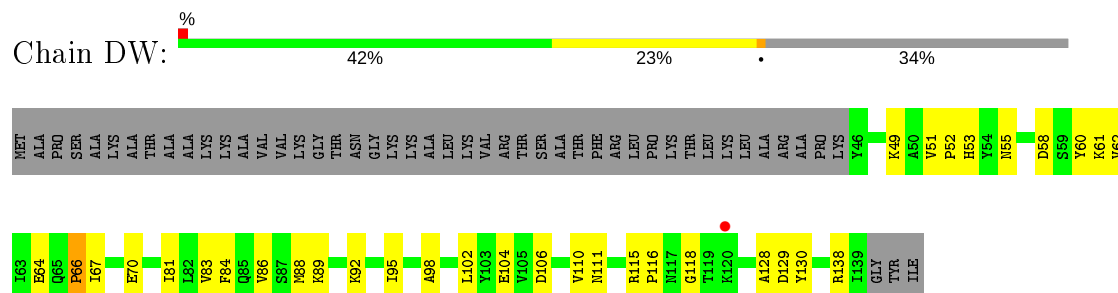


Chain DT: 

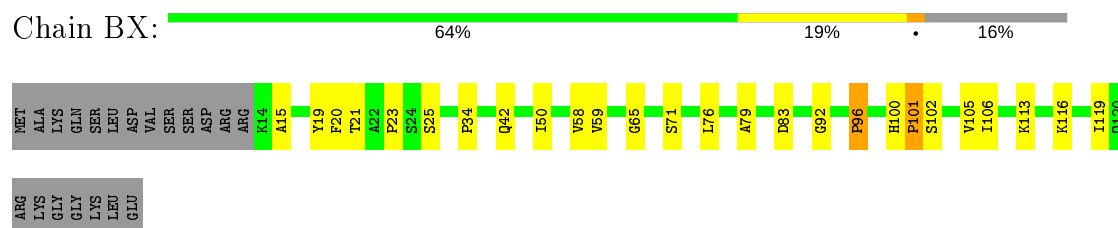
- Molecule 52: 60S ribosomal protein L25



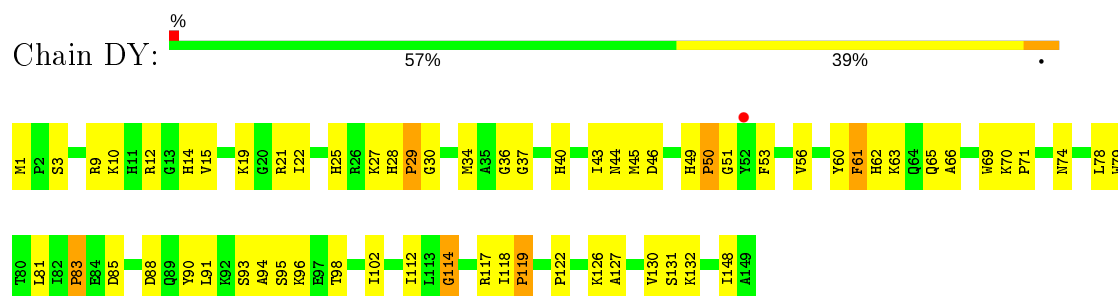
- Molecule 52: 60S ribosomal protein L25



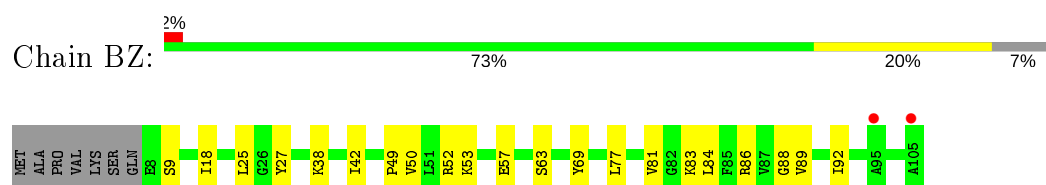
- Molecule 53: 60S ribosomal protein L26-A



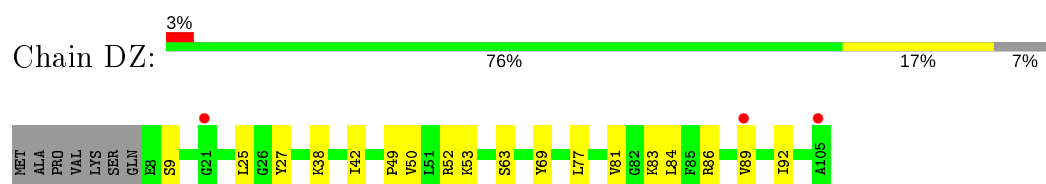
- Molecule 54: 60S ribosomal protein L28



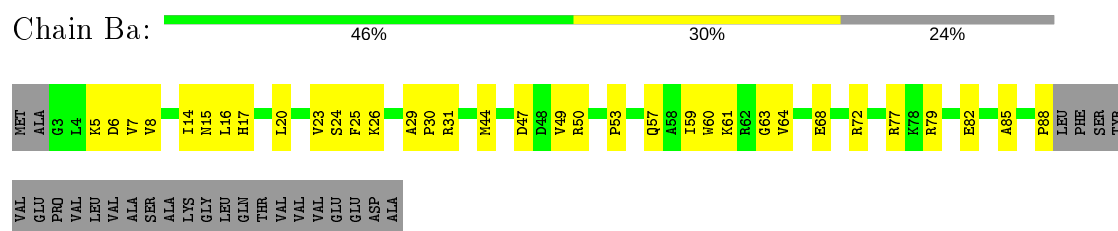
- Molecule 55: 60S ribosomal protein L30



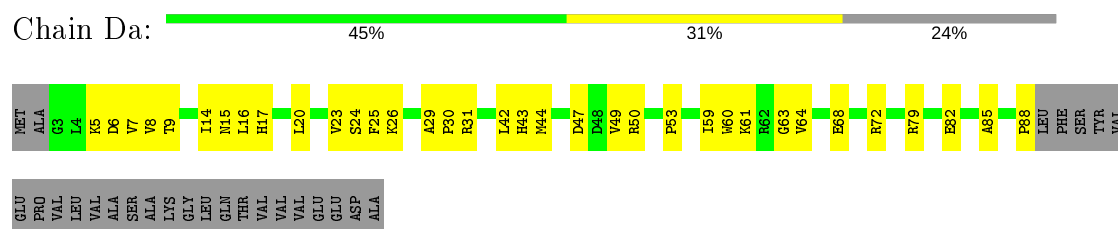
- Molecule 55: 60S ribosomal protein L30



- Molecule 56: 60S ribosomal protein L31-A

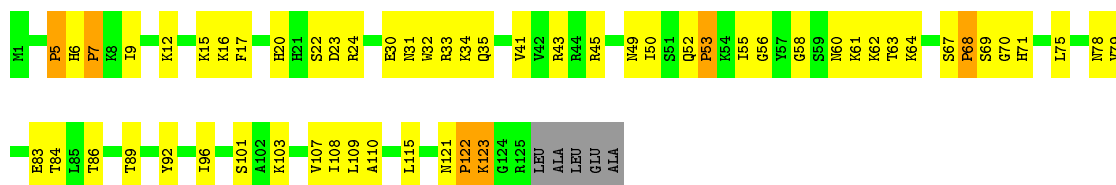


- Molecule 56: 60S ribosomal protein L31-A

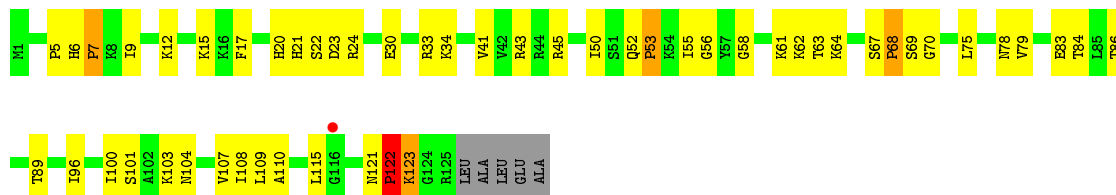


- Molecule 57: 60S ribosomal protein L32

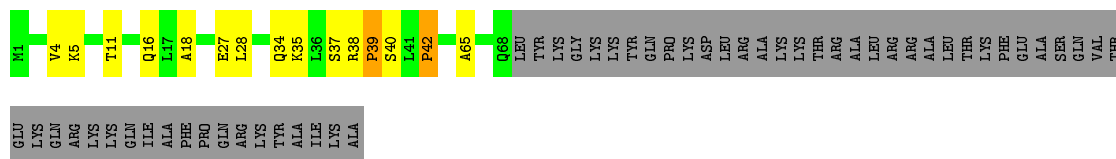




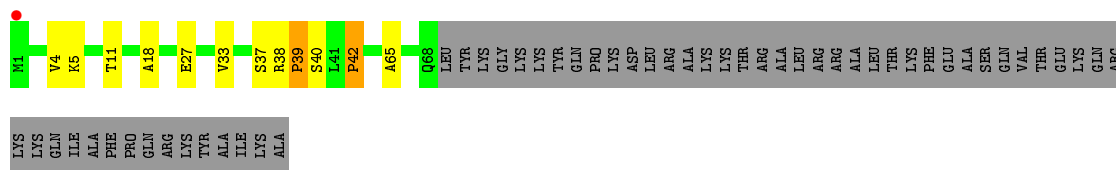
- Molecule 57: 60S ribosomal protein L32



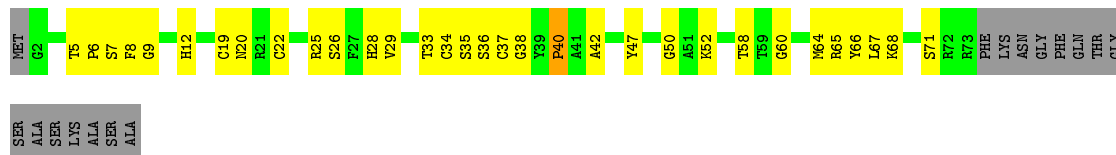
- Molecule 58: 60S ribosomal protein L35



- Molecule 58: 60S ribosomal protein L35

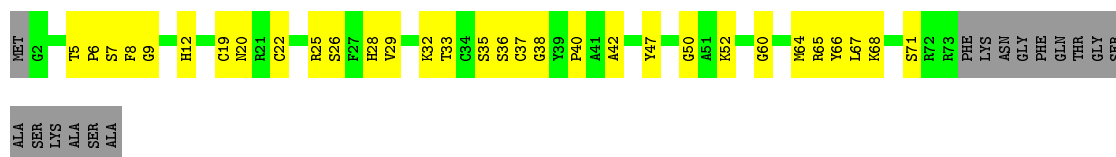


- Molecule 59: 60S ribosomal protein L37-A



- 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

Chain Bh:  100%

There are no outlier residues recorded for this chain.

- Molecule 63: Unassigned secondary structure

Chain Dh:  100%

There are no outlier residues recorded for this chain.

- Molecule 64: Unassigned secondary structure

Chain Bi:  100%

There are no outlier residues recorded for this chain.

- Molecule 64: Unassigned secondary structure

Chain Di:  100%

There are no outlier residues recorded for this chain.

- Molecule 65: Unassigned secondary structure

Chain Bk:  100%

There are no outlier residues recorded for this chain.

- Molecule 65: Unassigned secondary structure

Chain Dk:  100%

There are no outlier residues recorded for this chain.

- Molecule 66: Unassigned secondary structure

Chain Bl:  100%

There are no outlier residues recorded for this chain.

- Molecule 67: Unassigned secondary structure

Chain Bm:  100%

There are no outlier residues recorded for this chain.

- Molecule 68: Unassigned secondary structure

Chain Bn:  100%

There are no outlier residues recorded for this chain.

- Molecule 69: Unassigned secondary structure

Chain Bp:  100%

There are no outlier residues recorded for this chain.

- Molecule 70: Unassigned secondary structure

Chain Bq:  100%

There are no outlier residues recorded for this chain.

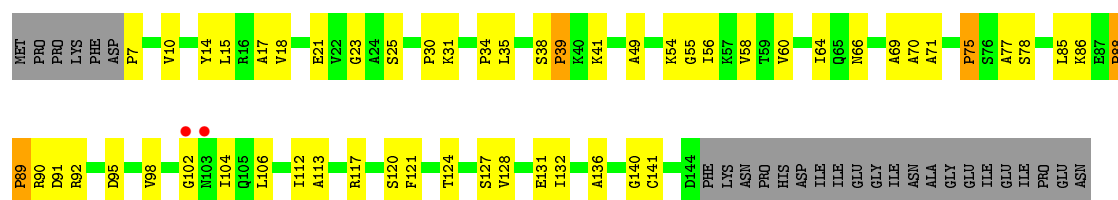
- Molecule 71: Unassigned secondary structure

Chain Br:  100%

There are no outlier residues recorded for this chain.

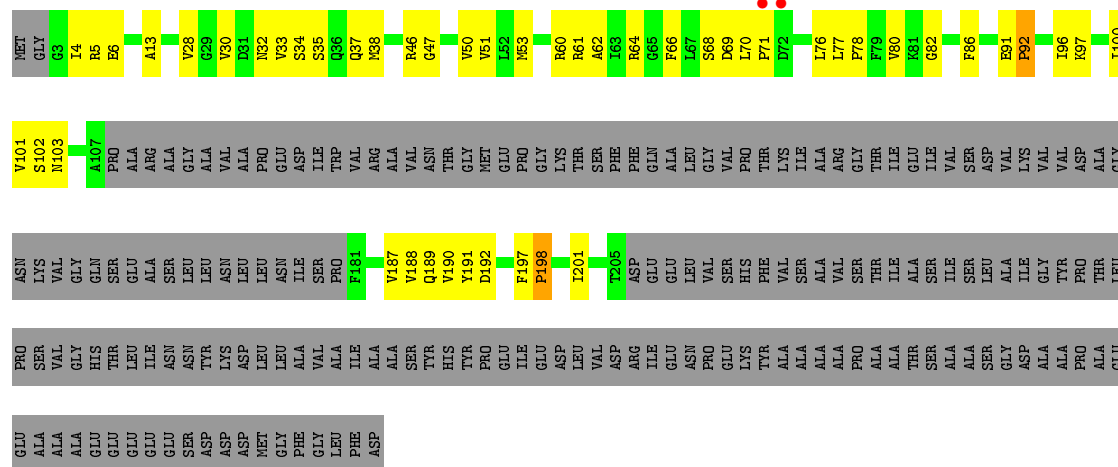
- Molecule 72: 60S ribosomal protein L12

Chain DL: 



- Molecule 73: 60S acidic ribosomal protein P0

Chain DM: 



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 – 4.00 268.66 – 4.00	Depositor EDS
% Data completeness (in resolution range)	(Not available) (268.00-4.00) 97.9 (268.66-4.00)	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 0.283 , 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)	0.16 , 252.2	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	0.77	20/42619 (0.0%)	1.32	552/66408 (0.8%)
1	C1	0.83	25/42619 (0.1%)	1.37	627/66408 (0.9%)
2	AA	0.45	0/1089	0.86	16/1517 (1.1%)
2	CA	0.50	0/1089	0.87	15/1517 (1.0%)
3	AB	0.54	0/1073	0.91	13/1488 (0.9%)
3	CB	0.56	0/1073	0.91	10/1488 (0.7%)
4	AC	0.50	0/927	0.68	4/1286 (0.3%)
4	CC	0.47	0/927	0.67	4/1286 (0.3%)
5	AD	0.45	0/834	0.71	5/1159 (0.4%)
5	CD	0.50	0/834	0.79	5/1159 (0.4%)
6	AE	0.49	0/775	0.70	3/1077 (0.3%)
6	CE	0.53	0/775	0.73	3/1077 (0.3%)
7	AF	0.60	0/381	0.88	3/530 (0.6%)
7	CF	0.59	0/381	0.90	4/530 (0.8%)
8	AG	0.51	0/579	0.78	5/806 (0.6%)
8	CG	0.52	0/579	0.79	5/806 (0.6%)
9	AH	0.43	0/626	0.71	4/867 (0.5%)
9	CH	0.44	0/626	0.72	4/867 (0.5%)
10	AI	0.45	0/595	0.90	8/826 (1.0%)
10	CI	0.52	0/595	0.91	7/826 (0.8%)
11	AJ	0.49	0/657	0.78	5/911 (0.5%)
11	CJ	0.55	0/657	0.81	5/911 (0.5%)
12	AK	0.44	0/331	0.74	2/460 (0.4%)
12	CK	0.41	0/331	0.70	2/460 (0.4%)
13	AL	0.47	0/589	0.70	2/816 (0.2%)
13	CL	0.50	0/589	0.72	2/816 (0.2%)
14	AM	0.54	0/518	0.83	3/715 (0.4%)
14	CM	0.68	1/518 (0.2%)	0.89	3/715 (0.4%)
15	AN	0.51	0/550	0.84	5/766 (0.7%)
15	CN	0.52	0/550	0.86	5/766 (0.7%)
16	AO	0.53	0/621	0.83	3/860 (0.3%)
16	CO	0.56	0/621	0.85	3/860 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	AP	0.61	0/565	0.92	4/781 (0.5%)
17	CP	0.68	0/565	0.97	5/781 (0.6%)
18	AQ	0.41	0/331	0.68	2/460 (0.4%)
18	CQ	0.44	0/311	0.74	2/432 (0.5%)
19	AR	0.40	0/229	0.63	1/316 (0.3%)
19	CR	0.42	0/229	0.68	1/316 (0.3%)
20	AS	0.54	0/189	0.70	0/260
20	CS	0.58	0/189	0.73	0/260
21	AT	0.43	0/1541	0.61	8/2141 (0.4%)
21	CT	0.45	0/1541	0.61	8/2141 (0.4%)
29	B1	1.11	229/76764 (0.3%)	1.79	2866/119684 (2.4%)
29	D1	1.08	218/76764 (0.3%)	1.75	2607/119684 (2.2%)
30	B2	1.06	8/2883 (0.3%)	1.70	90/4491 (2.0%)
30	D2	1.17	10/2883 (0.3%)	1.84	112/4491 (2.5%)
31	B3	0.91	6/3746 (0.2%)	1.41	64/5832 (1.1%)
31	D3	0.79	1/3746 (0.0%)	1.28	40/5832 (0.7%)
32	BA	0.34	0/1054	0.63	9/1468 (0.6%)
32	DA	0.33	0/1054	0.61	9/1468 (0.6%)
33	BB	0.62	0/1103	0.92	11/1501 (0.7%)
33	DB	0.53	0/1103	0.87	11/1501 (0.7%)
34	BC	0.70	0/1790	1.05	9/2487 (0.4%)
34	DC	0.76	0/1790	1.08	12/2487 (0.5%)
35	BD	0.67	0/1311	0.95	9/1817 (0.5%)
35	DD	0.55	0/1311	0.90	12/1817 (0.7%)
36	BE	0.53	0/1411	0.93	9/1960 (0.5%)
36	DE	0.59	0/1411	0.97	9/1960 (0.5%)
37	BF	0.76	0/872	1.20	10/1215 (0.8%)
37	DF	0.85	0/872	1.21	12/1215 (1.0%)
38	BG	0.73	0/1059	1.06	8/1471 (0.5%)
38	DG	0.75	0/1059	1.05	9/1471 (0.6%)
39	BH	0.48	0/855	0.79	6/1190 (0.5%)
39	DH	0.45	0/855	0.76	6/1190 (0.5%)
40	BI	0.64	0/941	0.86	4/1308 (0.3%)
40	DI	0.73	0/941	0.92	5/1308 (0.4%)
41	BJ	0.66	0/1025	0.89	8/1424 (0.6%)
41	DJ	0.71	0/1025	0.91	9/1424 (0.6%)
42	BK	0.56	0/809	0.86	5/1122 (0.4%)
42	DK	0.61	0/809	0.87	4/1122 (0.4%)
43	BN	0.71	0/592	1.05	6/823 (0.7%)
43	DN	0.82	0/592	1.14	6/823 (0.7%)
44	BO	0.59	0/922	0.88	7/1282 (0.5%)
44	DO	0.51	0/922	0.86	7/1282 (0.5%)
45	BP	0.80	0/966	1.12	10/1343 (0.7%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
45	DP	0.84	1/966 (0.1%)	1.14	12/1343 (0.9%)
46	BQ	0.72	0/760	0.94	5/1057 (0.5%)
46	DQ	0.65	0/760	0.87	4/1057 (0.4%)
47	BR	0.70	0/705	1.00	6/980 (0.6%)
47	DR	0.60	0/705	0.94	7/980 (0.7%)
48	BS	0.52	0/930	0.63	2/1295 (0.2%)
48	DS	0.48	0/930	0.58	2/1295 (0.2%)
49	BT	0.68	0/585	0.85	0/812
49	DT	0.70	0/585	0.87	0/812
50	BU	0.63	0/630	0.86	5/872 (0.6%)
50	DU	0.75	0/630	0.93	5/872 (0.6%)
51	BV	0.54	0/290	0.84	2/402 (0.5%)
51	DV	0.58	0/290	0.85	2/402 (0.5%)
52	BW	0.55	0/467	0.84	2/651 (0.3%)
52	DW	0.49	0/467	0.81	3/651 (0.5%)
53	BX	0.55	0/529	0.78	4/736 (0.5%)
53	DX	0.49	0/529	0.74	3/736 (0.4%)
54	BY	0.70	0/726	1.10	9/1004 (0.9%)
54	DY	0.62	0/726	1.03	8/1004 (0.8%)
55	BZ	0.49	0/480	0.62	1/665 (0.2%)
55	DZ	0.46	0/480	0.62	1/665 (0.2%)
56	Ba	0.62	0/424	0.94	3/589 (0.5%)
56	Da	0.59	0/424	0.92	3/589 (0.5%)
57	Bb	0.72	0/617	1.13	6/858 (0.7%)
57	Db	0.61	0/617	1.07	6/858 (0.7%)
58	Bc	0.53	0/338	0.82	2/471 (0.4%)
58	Dc	0.45	0/338	0.74	2/471 (0.4%)
59	Bd	0.63	0/351	0.97	2/485 (0.4%)
59	Dd	0.54	0/351	0.89	2/485 (0.4%)
60	Be	0.59	0/239	0.85	2/333 (0.6%)
60	De	0.46	0/239	0.79	2/333 (0.6%)
61	Bf	0.47	0/466	0.68	2/646 (0.3%)
61	Df	0.39	0/466	0.66	2/646 (0.3%)
62	Bg	0.53	0/406	0.74	1/562 (0.2%)
62	Dg	0.49	0/406	0.67	0/562
72	DL	0.42	0/678	0.75	7/941 (0.7%)
73	DM	0.48	0/639	0.76	4/886 (0.5%)
All	All	0.92	519/326627 (0.2%)	1.50	7498/496371 (1.5%)

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 519 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	D1	3243	A	N9-C4	13.96	1.46	1.37

Continued on next page...

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	D1	308	A	C6-N1	-13.36	1.26	1.35
29	B1	3184	A	C6-N1	-12.55	1.26	1.35
29	B1	308	A	C6-N1	-11.80	1.27	1.35
29	D1	2845	A	C6-N1	-11.64	1.27	1.35

The worst 5 of 7498 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	D1	244	G	N1-C6-O6	43.40	145.94	119.90
29	B1	244	G	N1-C6-O6	41.87	145.02	119.90
29	D1	2845	A	N1-C6-N6	40.75	143.05	118.60
29	D1	2845	A	C6-N1-C2	39.78	142.47	118.60
29	B1	2845	A	N1-C6-N6	39.33	142.20	118.60

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](#)

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

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all 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
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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	4
48	DS	186/189 (98%)	101 (54%)	60 (32%)	25 (13%)	0	4
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
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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
2	AA	21	ASN
2	AA	24	LEU

5.3.2 Protein sidechains [i](#)

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

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A1	1787/1800 (99%)	1003 (56%)	148 (8%)
1	C1	1787/1800 (99%)	990 (55%)	150 (8%)
29	B1	3203/3396 (94%)	1725 (53%)	259 (8%)
29	D1	3203/3396 (94%)	1714 (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%)	5727 (54%)	856 (8%)

5 of 5727 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
29	B1	3179	U
1	C1	400	A
29	D1	3038	U
29	B1	3303	G
1	C1	65	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 monosaccharides 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	A1	1988	-	0,6,6	0.00	-	-		
74	OHX	D1	3461	-	0,6,6	0.00	-	-		
74	OHX	D1	3517	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	A1	1998	-	0,6,6	0.00	-	-		
74	OHX	C1	1943	-	0,6,6	0.00	-	-		
74	OHX	C1	1993	-	0,6,6	0.00	-	-		
74	OHX	D1	3582	-	0,6,6	0.00	-	-		
74	OHX	D1	3595	-	0,6,6	0.00	-	-		
74	OHX	C1	1918	-	0,6,6	0.00	-	-		
74	OHX	B1	3416	-	0,6,6	0.00	-	-		
74	OHX	D1	3460	-	0,6,6	0.00	-	-		
74	OHX	B1	3535	-	0,6,6	0.00	-	-		
74	OHX	D1	3609	-	0,6,6	0.00	-	-		
74	OHX	D1	3514	-	0,6,6	0.00	-	-		
74	OHX	D1	3402	-	0,6,6	0.00	-	-		
74	OHX	A1	1910	-	0,6,6	0.00	-	-		
74	OHX	C1	1977	-	0,6,6	0.00	-	-		
74	OHX	C1	1922	-	0,6,6	0.00	-	-		
74	OHX	B1	3472	-	0,6,6	0.00	-	-		
74	OHX	D1	3597	-	0,6,6	0.00	-	-		
74	OHX	D1	3598	-	0,6,6	0.00	-	-		
74	OHX	A1	1950	-	0,6,6	0.00	-	-		
74	OHX	B1	3465	-	0,6,6	0.00	-	-		
74	OHX	B1	3492	-	0,6,6	0.00	-	-		
74	OHX	A1	1913	-	0,6,6	0.00	-	-		
74	OHX	B1	3407	-	0,6,6	0.00	-	-		
74	OHX	B1	3529	-	0,6,6	0.00	-	-		
74	OHX	B1	3532	-	0,6,6	0.00	-	-		
74	OHX	A1	2001	-	0,6,6	0.00	-	-		
74	OHX	DT	201	-	0,6,6	0.00	-	-		
74	OHX	A1	1912	-	0,6,6	0.00	-	-		
74	OHX	B1	3526	-	0,6,6	0.00	-	-		
74	OHX	D3	209	-	0,6,6	0.00	-	-		
74	OHX	C1	1946	-	0,6,6	0.00	-	-		
74	OHX	B1	3584	-	0,6,6	0.00	-	-		
74	OHX	D1	3606	-	0,6,6	0.00	-	-		
74	OHX	D1	3497	-	0,6,6	0.00	-	-		
74	OHX	Ac	100	-	0,6,6	0.00	-	-		
74	OHX	D1	3620	-	0,6,6	0.00	-	-		
74	OHX	B3	210	-	0,6,6	0.00	-	-		
74	OHX	D3	211	-	0,6,6	0.00	-	-		
74	OHX	B1	3588	-	0,6,6	0.00	-	-		
74	OHX	B1	3554	-	0,6,6	0.00	-	-		
74	OHX	B3	206	-	0,6,6	0.00	-	-		
74	OHX	D1	3504	-	0,6,6	0.00	-	-		
74	OHX	A1	1924	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3475	-	0,6,6	0.00	-	-		
74	OHX	D1	3536	-	0,6,6	0.00	-	-		
74	OHX	B3	204	-	0,6,6	0.00	-	-		
74	OHX	D1	3502	-	0,6,6	0.00	-	-		
74	OHX	C1	1915	-	0,6,6	0.00	-	-		
74	OHX	C1	1928	-	0,6,6	0.00	-	-		
74	OHX	B1	3575	-	0,6,6	0.00	-	-		
74	OHX	A1	1967	-	0,6,6	0.00	-	-		
74	OHX	B1	3459	-	0,6,6	0.00	-	-		
74	OHX	C1	1934	-	0,6,6	0.00	-	-		
74	OHX	D1	3592	-	0,6,6	0.00	-	-		
74	OHX	B1	3490	-	0,6,6	0.00	-	-		
74	OHX	B1	3615	-	0,6,6	0.00	-	-		
74	OHX	D1	3485	-	0,6,6	0.00	-	-		
74	OHX	B1	3421	-	0,6,6	0.00	-	-		
74	OHX	D1	3499	-	0,6,6	0.00	-	-		
74	OHX	C1	1992	-	0,6,6	0.00	-	-		
74	OHX	A1	1985	-	0,6,6	0.00	-	-		
74	OHX	D1	3534	-	0,6,6	0.00	-	-		
74	OHX	B1	3499	-	0,6,6	0.00	-	-		
74	OHX	D1	3474	-	0,6,6	0.00	-	-		
74	OHX	C1	1979	-	0,6,6	0.00	-	-		
74	OHX	B1	3463	-	0,6,6	0.00	-	-		
74	OHX	AL	201	-	0,6,6	0.00	-	-		
74	OHX	A1	1938	-	0,6,6	0.00	-	-		
74	OHX	D1	3583	-	0,6,6	0.00	-	-		
74	OHX	A1	1953	-	0,6,6	0.00	-	-		
74	OHX	A1	1927	-	0,6,6	0.00	-	-		
74	OHX	D1	3550	-	0,6,6	0.00	-	-		
74	OHX	A1	1901	-	0,6,6	0.00	-	-		
74	OHX	D1	3581	-	0,6,6	0.00	-	-		
74	OHX	C1	1964	-	0,6,6	0.00	-	-		
74	OHX	C1	1994	-	0,6,6	0.00	-	-		
74	OHX	C1	1957	-	0,6,6	0.00	-	-		
74	OHX	D1	3542	-	0,6,6	0.00	-	-		
74	OHX	B1	3564	-	0,6,6	0.00	-	-		
74	OHX	B1	3446	-	0,6,6	0.00	-	-		
74	OHX	B3	201	-	0,6,6	0.00	-	-		
74	OHX	B1	3477	-	0,6,6	0.00	-	-		
74	OHX	D1	3563	-	0,6,6	0.00	-	-		
74	OHX	B1	3402	-	0,6,6	0.00	-	-		
74	OHX	D1	3575	-	0,6,6	0.00	-	-		
74	OHX	B1	3570	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3463	-	0,6,6	0.00	-	-		
74	OHX	D1	3437	-	0,6,6	0.00	-	-		
74	OHX	B1	3571	-	0,6,6	0.00	-	-		
74	OHX	D1	3530	-	0,6,6	0.00	-	-		
74	OHX	B1	3509	-	0,6,6	0.00	-	-		
74	OHX	D2	204	-	0,6,6	0.00	-	-		
74	OHX	D1	3546	-	0,6,6	0.00	-	-		
74	OHX	B1	3408	-	0,6,6	0.00	-	-		
74	OHX	D1	3494	-	0,6,6	0.00	-	-		
74	OHX	D3	201	-	0,6,6	0.00	-	-		
74	OHX	B1	3428	-	0,6,6	0.00	-	-		
74	OHX	B1	3511	-	0,6,6	0.00	-	-		
74	OHX	C1	1905	-	0,6,6	0.00	-	-		
74	OHX	BO	301	-	0,6,6	0.00	-	-		
74	OHX	B1	3619	-	0,6,6	0.00	-	-		
74	OHX	D1	3452	-	0,6,6	0.00	-	-		
74	OHX	B3	209	-	0,6,6	0.00	-	-		
74	OHX	B1	3443	-	0,6,6	0.00	-	-		
74	OHX	D1	3445	-	0,6,6	0.00	-	-		
74	OHX	D1	3436	-	0,6,6	0.00	-	-		
74	OHX	B1	3486	-	0,6,6	0.00	-	-		
74	OHX	C1	1950	-	0,6,6	0.00	-	-		
74	OHX	B3	212	-	0,6,6	0.00	-	-		
74	OHX	B1	3444	-	0,6,6	0.00	-	-		
74	OHX	A1	1962	-	0,6,6	0.00	-	-		
74	OHX	C1	1931	-	0,6,6	0.00	-	-		
74	OHX	B1	3420	-	0,6,6	0.00	-	-		
74	OHX	B1	3437	-	0,6,6	0.00	-	-		
74	OHX	B1	3621	-	0,6,6	0.00	-	-		
74	OHX	B1	3467	-	0,6,6	0.00	-	-		
74	OHX	B1	3519	-	0,6,6	0.00	-	-		
74	OHX	D1	3509	-	0,6,6	0.00	-	-		
74	OHX	B1	3508	-	0,6,6	0.00	-	-		
74	OHX	D1	3466	-	0,6,6	0.00	-	-		
74	OHX	D1	3467	-	0,6,6	0.00	-	-		
74	OHX	B1	3579	-	0,6,6	0.00	-	-		
74	OHX	D1	3508	-	0,6,6	0.00	-	-		
74	OHX	C1	1945	-	0,6,6	0.00	-	-		
74	OHX	D1	3574	-	0,6,6	0.00	-	-		
74	OHX	B1	3586	-	0,6,6	0.00	-	-		
74	OHX	A1	1968	-	0,6,6	0.00	-	-		
74	OHX	B1	3470	-	0,6,6	0.00	-	-		
74	OHX	B1	3613	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	A1	1916	-	0,6,6	0.00	-	-		
74	OHX	B1	3404	-	0,6,6	0.00	-	-		
74	OHX	B1	3431	-	0,6,6	0.00	-	-		
74	OHX	A1	1903	-	0,6,6	0.00	-	-		
74	OHX	B1	3597	-	0,6,6	0.00	-	-		
74	OHX	C1	1999	-	0,6,6	0.00	-	-		
74	OHX	C1	1907	-	0,6,6	0.00	-	-		
74	OHX	B1	3592	-	0,6,6	0.00	-	-		
74	OHX	C1	1983	1	0,6,6	0.00	-	-		
74	OHX	D1	3594	-	0,6,6	0.00	-	-		
74	OHX	D1	3490	-	0,6,6	0.00	-	-		
74	OHX	B1	3561	-	0,6,6	0.00	-	-		
74	OHX	B3	211	-	0,6,6	0.00	-	-		
74	OHX	A1	1918	-	0,6,6	0.00	-	-		
74	OHX	B1	3540	-	0,6,6	0.00	-	-		
74	OHX	B1	3533	-	0,6,6	0.00	-	-		
74	OHX	B1	3541	-	0,6,6	0.00	-	-		
74	OHX	B1	3595	-	0,6,6	0.00	-	-		
74	OHX	C1	1962	-	0,6,6	0.00	-	-		
74	OHX	D3	202	-	0,6,6	0.00	-	-		
74	OHX	C1	1914	-	0,6,6	0.00	-	-		
74	OHX	D1	3559	-	0,6,6	0.00	-	-		
74	OHX	B2	208	-	0,6,6	0.00	-	-		
74	OHX	B1	3593	-	0,6,6	0.00	-	-		
74	OHX	A1	1923	-	0,6,6	0.00	-	-		
74	OHX	B1	3409	-	0,6,6	0.00	-	-		
74	OHX	D1	3519	-	0,6,6	0.00	-	-		
74	OHX	B1	3569	-	0,6,6	0.00	-	-		
74	OHX	B1	3558	-	0,6,6	0.00	-	-		
74	OHX	A1	1925	-	0,6,6	0.00	-	-		
74	OHX	D1	3420	-	0,6,6	0.00	-	-		
74	OHX	D1	3616	-	0,6,6	0.00	-	-		
74	OHX	B1	3605	-	0,6,6	0.00	-	-		
74	OHX	A1	1982	-	0,6,6	0.00	-	-		
74	OHX	D1	3568	-	0,6,6	0.00	-	-		
74	OHX	A1	1931	1	0,6,6	0.00	-	-		
74	OHX	D1	3540	-	0,6,6	0.00	-	-		
74	OHX	D1	3457	-	0,6,6	0.00	-	-		
74	OHX	D1	3403	-	0,6,6	0.00	-	-		
74	OHX	B1	3484	-	0,6,6	0.00	-	-		
74	OHX	A1	1915	-	0,6,6	0.00	-	-		
74	OHX	C1	1982	-	0,6,6	0.00	-	-		
74	OHX	C1	1969	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3422	-	0,6,6	0.00	-	-		
74	OHX	A1	1961	-	0,6,6	0.00	-	-		
74	OHX	D1	3614	-	0,6,6	0.00	-	-		
74	OHX	B1	3464	-	0,6,6	0.00	-	-		
74	OHX	B1	3497	-	0,6,6	0.00	-	-		
74	OHX	B1	3438	-	0,6,6	0.00	-	-		
74	OHX	D1	3556	-	0,6,6	0.00	-	-		
74	OHX	B1	3566	-	0,6,6	0.00	-	-		
74	OHX	B1	3563	-	0,6,6	0.00	-	-		
74	OHX	A1	1983	-	0,6,6	0.00	-	-		
74	OHX	C1	1944	-	0,6,6	0.00	-	-		
74	OHX	B1	3495	-	0,6,6	0.00	-	-		
74	OHX	A1	1909	-	0,6,6	0.00	-	-		
74	OHX	D1	3573	-	0,6,6	0.00	-	-		
74	OHX	B1	3527	-	0,6,6	0.00	-	-		
74	OHX	D1	3458	-	0,6,6	0.00	-	-		
74	OHX	D1	3442	-	0,6,6	0.00	-	-		
74	OHX	B1	3427	-	0,6,6	0.00	-	-		
74	OHX	C1	1908	-	0,6,6	0.00	-	-		
74	OHX	B1	3581	-	0,6,6	0.00	-	-		
74	OHX	D1	3476	-	0,6,6	0.00	-	-		
74	OHX	DO	301	-	0,6,6	0.00	-	-		
74	OHX	D1	3547	-	0,6,6	0.00	-	-		
74	OHX	D1	3623	-	0,6,6	0.00	-	-		
74	OHX	C1	1949	-	0,6,6	0.00	-	-		
74	OHX	D1	3408	-	0,6,6	0.00	-	-		
74	OHX	B1	3555	-	0,6,6	0.00	-	-		
74	OHX	D3	212	-	0,6,6	0.00	-	-		
74	OHX	B1	3544	-	0,6,6	0.00	-	-		
74	OHX	D1	3545	-	0,6,6	0.00	-	-		
74	OHX	D1	3544	-	0,6,6	0.00	-	-		
74	OHX	D1	3411	-	0,6,6	0.00	-	-		
74	OHX	C1	1989	-	0,6,6	0.00	-	-		
74	OHX	B1	3403	-	0,6,6	0.00	-	-		
74	OHX	B1	3608	-	0,6,6	0.00	-	-		
74	OHX	A1	1934	-	0,6,6	0.00	-	-		
74	OHX	B1	3412	-	0,6,6	0.00	-	-		
74	OHX	A1	1957	-	0,6,6	0.00	-	-		
74	OHX	B1	3418	-	0,6,6	0.00	-	-		
74	OHX	D1	3503	-	0,6,6	0.00	-	-		
74	OHX	D2	202	-	0,6,6	0.00	-	-		
74	OHX	B1	3523	-	0,6,6	0.00	-	-		
74	OHX	B1	3473	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	C1	1990	-	0,6,6	0.00	-	-		
74	OHX	B1	3574	-	0,6,6	0.00	-	-		
74	OHX	D1	3611	-	0,6,6	0.00	-	-		
74	OHX	D1	3481	-	0,6,6	0.00	-	-		
74	OHX	B1	3596	-	0,6,6	0.00	-	-		
74	OHX	D1	3435	-	0,6,6	0.00	-	-		
74	OHX	B1	3454	-	0,6,6	0.00	-	-		
74	OHX	B3	203	-	0,6,6	0.00	-	-		
74	OHX	B1	3510	-	0,6,6	0.00	-	-		
74	OHX	Bg	101	-	0,6,6	0.00	-	-		
74	OHX	B1	3424	-	0,6,6	0.00	-	-		
74	OHX	C1	1976	-	0,6,6	0.00	-	-		
74	OHX	B1	3618	-	0,6,6	0.00	-	-		
74	OHX	A1	1954	-	0,6,6	0.00	-	-		
74	OHX	A1	1951	-	0,6,6	0.00	-	-		
74	OHX	B1	3557	-	0,6,6	0.00	-	-		
74	OHX	D1	3475	-	0,6,6	0.00	-	-		
74	OHX	B1	3479	-	0,6,6	0.00	-	-		
74	OHX	B1	3466	-	0,6,6	0.00	-	-		
74	OHX	B1	3415	-	0,6,6	0.00	-	-		
74	OHX	C1	1958	-	0,6,6	0.00	-	-		
74	OHX	CS	101	-	0,6,6	0.00	-	-		
74	OHX	C1	1951	-	0,6,6	0.00	-	-		
74	OHX	D1	3486	-	0,6,6	0.00	-	-		
74	OHX	D1	3410	-	0,6,6	0.00	-	-		
74	OHX	D1	3580	-	0,6,6	0.00	-	-		
74	OHX	B1	3493	-	0,6,6	0.00	-	-		
74	OHX	A1	1993	-	0,6,6	0.00	-	-		
74	OHX	C1	1910	-	0,6,6	0.00	-	-		
74	OHX	B1	3602	-	0,6,6	0.00	-	-		
74	OHX	D1	3450	-	0,6,6	0.00	-	-		
74	OHX	D1	3587	-	0,6,6	0.00	-	-		
74	OHX	AS	101	-	0,6,6	0.00	-	-		
74	OHX	D1	3529	-	0,6,6	0.00	-	-		
74	OHX	D1	3562	-	0,6,6	0.00	-	-		
74	OHX	B1	3515	-	0,6,6	0.00	-	-		
74	OHX	D1	3537	-	0,6,6	0.00	-	-		
74	OHX	B1	3513	-	0,6,6	0.00	-	-		
74	OHX	B1	3552	-	0,6,6	0.00	-	-		
74	OHX	D1	3493	-	0,6,6	0.00	-	-		
74	OHX	A1	1908	-	0,6,6	0.00	-	-		
74	OHX	D1	3428	-	0,6,6	0.00	-	-		
74	OHX	C1	1906	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3524	-	0,6,6	0.00	-	-		
74	OHX	B1	3612	-	0,6,6	0.00	-	-		
74	OHX	B3	205	-	0,6,6	0.00	-	-		
74	OHX	C1	1923	-	0,6,6	0.00	-	-		
74	OHX	C1	1929	-	0,6,6	0.00	-	-		
74	OHX	D2	201	-	0,6,6	0.00	-	-		
74	OHX	B1	3539	-	0,6,6	0.00	-	-		
74	OHX	B1	3599	-	0,6,6	0.00	-	-		
74	OHX	D1	3554	-	0,6,6	0.00	-	-		
74	OHX	D1	3487	-	0,6,6	0.00	-	-		
74	OHX	B1	3568	-	0,6,6	0.00	-	-		
74	OHX	D1	3423	-	0,6,6	0.00	-	-		
74	OHX	D1	3495	-	0,6,6	0.00	-	-		
74	OHX	B1	3547	-	0,6,6	0.00	-	-		
74	OHX	B1	3429	-	0,6,6	0.00	-	-		
74	OHX	A1	1999	-	0,6,6	0.00	-	-		
74	OHX	C1	1920	-	0,6,6	0.00	-	-		
74	OHX	AT	401	-	0,6,6	0.00	-	-		
74	OHX	C1	1973	-	0,6,6	0.00	-	-		
74	OHX	C1	1988	-	0,6,6	0.00	-	-		
74	OHX	B1	3401	-	0,6,6	0.00	-	-		
74	OHX	D1	3414	-	0,6,6	0.00	-	-		
74	OHX	B1	3583	-	0,6,6	0.00	-	-		
74	OHX	B1	3504	-	0,6,6	0.00	-	-		
74	OHX	D1	3603	-	0,6,6	0.00	-	-		
74	OHX	DC	401	-	0,6,6	0.00	-	-		
74	OHX	C1	1995	-	0,6,6	0.00	-	-		
74	OHX	C1	1985	-	0,6,6	0.00	-	-		
74	OHX	B1	3518	-	0,6,6	0.00	-	-		
74	OHX	C1	1912	-	0,6,6	0.00	-	-		
74	OHX	C1	1933	-	0,6,6	0.00	-	-		
74	OHX	B1	3440	-	0,6,6	0.00	-	-		
74	OHX	B1	3439	-	0,6,6	0.00	-	-		
74	OHX	B1	3524	-	0,6,6	0.00	-	-		
74	OHX	B1	3471	-	0,6,6	0.00	-	-		
74	OHX	A1	1940	-	0,6,6	0.00	-	-		
74	OHX	B1	3531	-	0,6,6	0.00	-	-		
74	OHX	A1	1926	-	0,6,6	0.00	-	-		
74	OHX	D1	3527	-	0,6,6	0.00	-	-		
74	OHX	D3	206	-	0,6,6	0.00	-	-		
74	OHX	D1	3449	-	0,6,6	0.00	-	-		
74	OHX	B1	3590	-	0,6,6	0.00	-	-		
74	OHX	D1	3558	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3517	-	0,6,6	0.00	-	-		
74	OHX	D1	3492	-	0,6,6	0.00	-	-		
74	OHX	D1	3593	-	0,6,6	0.00	-	-		
74	OHX	D1	3596	-	0,6,6	0.00	-	-		
74	OHX	A1	1970	-	0,6,6	0.00	-	-		
74	OHX	D1	3479	-	0,6,6	0.00	-	-		
74	OHX	D1	3477	-	0,6,6	0.00	-	-		
74	OHX	D1	3617	-	0,6,6	0.00	-	-		
74	OHX	B1	3507	-	0,6,6	0.00	-	-		
74	OHX	A1	1946	-	0,6,6	0.00	-	-		
74	OHX	B1	3496	-	0,6,6	0.00	-	-		
74	OHX	C1	1909	-	0,6,6	0.00	-	-		
74	OHX	B1	3458	-	0,6,6	0.00	-	-		
74	OHX	C1	1948	-	0,6,6	0.00	-	-		
74	OHX	D3	205	-	0,6,6	0.00	-	-		
74	OHX	B1	3617	-	0,6,6	0.00	-	-		
74	OHX	D1	3434	-	0,6,6	0.00	-	-		
74	OHX	D1	3471	-	0,6,6	0.00	-	-		
74	OHX	B1	3545	-	0,6,6	0.00	-	-		
74	OHX	D1	3591	-	0,6,6	0.00	-	-		
74	OHX	D1	3444	-	0,6,6	0.00	-	-		
74	OHX	Dd	101	-	0,6,6	0.00	-	-		
74	OHX	C1	1986	-	0,6,6	0.00	-	-		
74	OHX	A1	1995	-	0,6,6	0.00	-	-		
74	OHX	B1	3609	-	0,6,6	0.00	-	-		
74	OHX	D1	3539	-	0,6,6	0.00	-	-		
74	OHX	D1	3576	-	0,6,6	0.00	-	-		
74	OHX	B2	202	-	0,6,6	0.00	-	-		
74	OHX	B1	3600	-	0,6,6	0.00	-	-		
74	OHX	C1	1936	-	0,6,6	0.00	-	-		
74	OHX	B1	3543	-	0,6,6	0.00	-	-		
74	OHX	C1	1961	-	0,6,6	0.00	-	-		
74	OHX	A1	1929	-	0,6,6	0.00	-	-		
74	OHX	D1	3585	-	0,6,6	0.00	-	-		
74	OHX	D1	3555	-	0,6,6	0.00	-	-		
74	OHX	D1	3440	-	0,6,6	0.00	-	-		
74	OHX	C1	1981	-	0,6,6	0.00	-	-		
74	OHX	D1	3417	-	0,6,6	0.00	-	-		
74	OHX	D1	3526	-	0,6,6	0.00	-	-		
74	OHX	C1	1966	-	0,6,6	0.00	-	-		
74	OHX	D1	3404	-	0,6,6	0.00	-	-		
74	OHX	C1	1919	-	0,6,6	0.00	-	-		
74	OHX	B1	3620	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3426	-	0,6,6	0.00	-	-		
74	OHX	B1	3559	-	0,6,6	0.00	-	-		
74	OHX	D1	3430	-	0,6,6	0.00	-	-		
74	OHX	A1	2002	-	0,6,6	0.00	-	-		
74	OHX	A1	1966	-	0,6,6	0.00	-	-		
74	OHX	C1	1971	-	0,6,6	0.00	-	-		
74	OHX	BC	401	-	0,6,6	0.00	-	-		
74	OHX	B1	3417	-	0,6,6	0.00	-	-		
74	OHX	A1	1917	-	0,6,6	0.00	-	-		
74	OHX	B1	3434	-	0,6,6	0.00	-	-		
74	OHX	Dg	101	-	0,6,6	0.00	-	-		
74	OHX	C1	1952	-	0,6,6	0.00	-	-		
74	OHX	A1	1981	-	0,6,6	0.00	-	-		
74	OHX	D3	208	-	0,6,6	0.00	-	-		
74	OHX	D1	3465	-	0,6,6	0.00	-	-		
74	OHX	A1	1971	-	0,6,6	0.00	-	-		
74	OHX	Bd	101	-	0,6,6	0.00	-	-		
74	OHX	C1	1996	-	0,6,6	0.00	-	-		
74	OHX	A1	1986	-	0,6,6	0.00	-	-		
74	OHX	A1	1960	-	0,6,6	0.00	-	-		
74	OHX	D2	208	-	0,6,6	0.00	-	-		
74	OHX	A1	1932	-	0,6,6	0.00	-	-		
74	OHX	D1	3418	-	0,6,6	0.00	-	-		
74	OHX	D1	3412	-	0,6,6	0.00	-	-		
74	OHX	C1	1970	-	0,6,6	0.00	-	-		
74	OHX	B1	3414	-	0,6,6	0.00	-	-		
74	OHX	B1	3567	-	0,6,6	0.00	-	-		
74	OHX	C1	1967	-	0,6,6	0.00	-	-		
74	OHX	D1	3624	-	0,6,6	0.00	-	-		
74	OHX	D1	3600	-	0,6,6	0.00	-	-		
74	OHX	B1	3445	-	0,6,6	0.00	-	-		
74	OHX	Bd	102	-	0,6,6	0.00	-	-		
74	OHX	B1	3548	-	0,6,6	0.00	-	-		
74	OHX	B1	3565	-	0,6,6	0.00	-	-		
74	OHX	C1	1987	-	0,6,6	0.00	-	-		
74	OHX	D1	3415	-	0,6,6	0.00	-	-		
74	OHX	D1	3489	-	0,6,6	0.00	-	-		
74	OHX	A1	1919	-	0,6,6	0.00	-	-		
74	OHX	C1	1930	1	0,6,6	0.00	-	-		
74	OHX	A1	1945	-	0,6,6	0.00	-	-		
74	OHX	D1	3549	-	0,6,6	0.00	-	-		
74	OHX	D2	207	-	0,6,6	0.00	-	-		
74	OHX	B1	3538	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3432	-	0,6,6	0.00	-	-		
74	OHX	D1	3584	-	0,6,6	0.00	-	-		
74	OHX	D1	3409	-	0,6,6	0.00	-	-		
74	OHX	A1	1904	-	0,6,6	0.00	-	-		
74	OHX	B1	3480	-	0,6,6	0.00	-	-		
74	OHX	D1	3541	-	0,6,6	0.00	-	-		
74	OHX	D1	3431	-	0,6,6	0.00	-	-		
74	OHX	A1	1987	-	0,6,6	0.00	-	-		
74	OHX	D1	3528	-	0,6,6	0.00	-	-		
74	OHX	D1	3566	-	0,6,6	0.00	-	-		
74	OHX	C1	2000	-	0,6,6	0.00	-	-		
74	OHX	C1	1925	-	0,6,6	0.00	-	-		
74	OHX	B1	3580	-	0,6,6	0.00	-	-		
74	OHX	B2	206	-	0,6,6	0.00	-	-		
74	OHX	C1	1997	-	0,6,6	0.00	-	-		
74	OHX	C1	1939	-	0,6,6	0.00	-	-		
74	OHX	D1	3531	-	0,6,6	0.00	-	-		
74	OHX	A1	1930	-	0,6,6	0.00	-	-		
74	OHX	D3	210	-	0,6,6	0.00	-	-		
74	OHX	D1	3454	-	0,6,6	0.00	-	-		
74	OHX	D1	3512	-	0,6,6	0.00	-	-		
74	OHX	C1	1978	-	0,6,6	0.00	-	-		
74	OHX	B3	202	-	0,6,6	0.00	-	-		
74	OHX	C1	1901	-	0,6,6	0.00	-	-		
74	OHX	C1	1984	-	0,6,6	0.00	-	-		
74	OHX	A1	1939	-	0,6,6	0.00	-	-		
74	OHX	D1	3478	-	0,6,6	0.00	-	-		
74	OHX	B2	204	-	0,6,6	0.00	-	-		
74	OHX	B1	3462	-	0,6,6	0.00	-	-		
74	OHX	C1	1941	-	0,6,6	0.00	-	-		
74	OHX	D1	3484	-	0,6,6	0.00	-	-		
74	OHX	B1	3498	-	0,6,6	0.00	-	-		
74	OHX	B1	3483	-	0,6,6	0.00	-	-		
74	OHX	B1	3522	-	0,6,6	0.00	-	-		
74	OHX	B1	3528	-	0,6,6	0.00	-	-		
74	OHX	D1	3625	-	0,6,6	0.00	-	-		
74	OHX	B1	3501	-	0,6,6	0.00	-	-		
74	OHX	CI	201	-	0,6,6	0.00	-	-		
74	OHX	D1	3618	-	0,6,6	0.00	-	-		
74	OHX	D1	3571	-	0,6,6	0.00	-	-		
74	OHX	D1	3483	-	0,6,6	0.00	-	-		
74	OHX	A1	2000	-	0,6,6	0.00	-	-		
74	OHX	D1	3607	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	C1	1980	-	0,6,6	0.00	-	-		
74	OHX	B1	3476	-	0,6,6	0.00	-	-		
74	OHX	D1	3491	-	0,6,6	0.00	-	-		
74	OHX	C1	1955	-	0,6,6	0.00	-	-		
74	OHX	B2	207	-	0,6,6	0.00	-	-		
74	OHX	B1	3419	-	0,6,6	0.00	-	-		
74	OHX	B1	3453	-	0,6,6	0.00	-	-		
74	OHX	C1	1963	-	0,6,6	0.00	-	-		
74	OHX	D1	3522	-	0,6,6	0.00	-	-		
74	OHX	C1	1954	-	0,6,6	0.00	-	-		
74	OHX	D1	3447	-	0,6,6	0.00	-	-		
74	OHX	A1	1952	-	0,6,6	0.00	-	-		
74	OHX	D1	3543	-	0,6,6	0.00	-	-		
74	OHX	D1	3469	-	0,6,6	0.00	-	-		
74	OHX	D1	3446	-	0,6,6	0.00	-	-		
74	OHX	D2	203	-	0,6,6	0.00	-	-		
74	OHX	B1	3591	-	0,6,6	0.00	-	-		
74	OHX	B1	3469	-	0,6,6	0.00	-	-		
74	OHX	B1	3512	-	0,6,6	0.00	-	-		
74	OHX	B1	3603	-	0,6,6	0.00	-	-		
74	OHX	A1	1980	-	0,6,6	0.00	-	-		
74	OHX	A1	1948	-	0,6,6	0.00	-	-		
74	OHX	A1	1956	-	0,6,6	0.00	-	-		
74	OHX	C1	1926	-	0,6,6	0.00	-	-		
74	OHX	D1	3588	-	0,6,6	0.00	-	-		
74	OHX	A1	1911	-	0,6,6	0.00	-	-		
74	OHX	B1	3406	-	0,6,6	0.00	-	-		
74	OHX	B1	3433	-	0,6,6	0.00	-	-		
74	OHX	D1	3416	-	0,6,6	0.00	-	-		
74	OHX	D1	3413	-	0,6,6	0.00	-	-		
74	OHX	B1	3546	-	0,6,6	0.00	-	-		
74	OHX	B1	3520	-	0,6,6	0.00	-	-		
74	OHX	D1	3453	-	0,6,6	0.00	-	-		
74	OHX	B2	210	-	0,6,6	0.00	-	-		
74	OHX	B1	3449	-	0,6,6	0.00	-	-		
74	OHX	D1	3552	-	0,6,6	0.00	-	-		
74	OHX	D1	3501	-	0,6,6	0.00	-	-		
74	OHX	D2	206	-	0,6,6	0.00	-	-		
74	OHX	B1	3451	-	0,6,6	0.00	-	-		
74	OHX	D1	3473	-	0,6,6	0.00	-	-		
74	OHX	A1	1922	-	0,6,6	0.00	-	-		
74	OHX	DO	302	-	0,6,6	0.00	-	-		
74	OHX	B1	3413	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	DJ	301	-	0,6,6	0.00	-	-		
74	OHX	C1	1927	-	0,6,6	0.00	-	-		
74	OHX	D1	3602	-	0,6,6	0.00	-	-		
74	OHX	A1	1978	-	0,6,6	0.00	-	-		
74	OHX	A1	1955	-	0,6,6	0.00	-	-		
74	OHX	A1	1907	-	0,6,6	0.00	-	-		
74	OHX	A1	1989	-	0,6,6	0.00	-	-		
74	OHX	B1	3585	-	0,6,6	0.00	-	-		
74	OHX	D1	3564	-	0,6,6	0.00	-	-		
74	OHX	D1	3427	-	0,6,6	0.00	-	-		
74	OHX	B1	3461	-	0,6,6	0.00	-	-		
74	OHX	D1	3464	-	0,6,6	0.00	-	-		
74	OHX	D1	3515	-	0,6,6	0.00	-	-		
74	OHX	B1	3577	-	0,6,6	0.00	-	-		
74	OHX	A1	1976	-	0,6,6	0.00	-	-		
74	OHX	D1	3621	-	0,6,6	0.00	-	-		
74	OHX	C1	1965	-	0,6,6	0.00	-	-		
74	OHX	D1	3456	-	0,6,6	0.00	-	-		
74	OHX	D1	3548	-	0,6,6	0.00	-	-		
74	OHX	C1	1917	-	0,6,6	0.00	-	-		
74	OHX	B1	3436	-	0,6,6	0.00	-	-		
74	OHX	D1	3516	-	0,6,6	0.00	-	-		
74	OHX	D1	3429	-	0,6,6	0.00	-	-		
74	OHX	C1	1932	-	0,6,6	0.00	-	-		
74	OHX	D1	3590	-	0,6,6	0.00	-	-		
74	OHX	C1	1959	-	0,6,6	0.00	-	-		
74	OHX	D1	3518	-	0,6,6	0.00	-	-		
74	OHX	B1	3530	-	0,6,6	0.00	-	-		
74	OHX	B1	3506	-	0,6,6	0.00	-	-		
74	OHX	D1	3523	-	0,6,6	0.00	-	-		
74	OHX	D1	3610	-	0,6,6	0.00	-	-		
74	OHX	D1	3615	-	0,6,6	0.00	-	-		
74	OHX	D1	3589	-	0,6,6	0.00	-	-		
74	OHX	C1	1975	-	0,6,6	0.00	-	-		
74	OHX	D1	3551	-	0,6,6	0.00	-	-		
74	OHX	A1	1947	-	0,6,6	0.00	-	-		
74	OHX	B1	3502	-	0,6,6	0.00	-	-		
74	OHX	B2	203	-	0,6,6	0.00	-	-		
74	OHX	D1	3513	-	0,6,6	0.00	-	-		
74	OHX	B1	3578	-	0,6,6	0.00	-	-		
74	OHX	B1	3594	-	0,6,6	0.00	-	-		
74	OHX	B1	3452	-	0,6,6	0.00	-	-		
74	OHX	D1	3439	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3435	-	0,6,6	0.00	-	-		
74	OHX	B1	3485	-	0,6,6	0.00	-	-		
74	OHX	D1	3612	-	0,6,6	0.00	-	-		
74	OHX	D1	3605	-	0,6,6	0.00	-	-		
74	OHX	A1	1975	-	0,6,6	0.00	-	-		
74	OHX	B2	209	-	0,6,6	0.00	-	-		
74	OHX	CS	102	-	0,6,6	0.00	-	-		
74	OHX	D1	3553	-	0,6,6	0.00	-	-		
74	OHX	D1	3421	-	0,6,6	0.00	-	-		
74	OHX	C1	1960	-	0,6,6	0.00	-	-		
74	OHX	A1	1996	-	0,6,6	0.00	-	-		
74	OHX	C1	1956	-	0,6,6	0.00	-	-		
74	OHX	C1	1903	-	0,6,6	0.00	-	-		
74	OHX	B1	3487	-	0,6,6	0.00	-	-		
74	OHX	C1	1953	-	0,6,6	0.00	-	-		
74	OHX	D1	3496	-	0,6,6	0.00	-	-		
74	OHX	B1	3606	-	0,6,6	0.00	-	-		
74	OHX	A1	1972	-	0,6,6	0.00	-	-		
74	OHX	A1	1991	-	0,6,6	0.00	-	-		
74	OHX	D1	3482	-	0,6,6	0.00	-	-		
74	OHX	B1	3481	-	0,6,6	0.00	-	-		
74	OHX	A1	1964	-	0,6,6	0.00	-	-		
74	OHX	B1	3604	-	0,6,6	0.00	-	-		
74	OHX	B1	3410	-	0,6,6	0.00	-	-		
74	OHX	B1	3549	-	0,6,6	0.00	-	-		
74	OHX	B1	3456	-	0,6,6	0.00	-	-		
74	OHX	D1	3448	-	0,6,6	0.00	-	-		
74	OHX	D1	3405	-	0,6,6	0.00	-	-		
74	OHX	B1	3556	-	0,6,6	0.00	-	-		
74	OHX	B1	3525	-	0,6,6	0.00	-	-		
74	OHX	B1	3457	-	0,6,6	0.00	-	-		
74	OHX	C1	1991	-	0,6,6	0.00	-	-		
74	OHX	D3	203	-	0,6,6	0.00	-	-		
74	OHX	B1	3491	-	0,6,6	0.00	-	-		
74	OHX	D1	3569	-	0,6,6	0.00	-	-		
74	OHX	D1	3572	-	0,6,6	0.00	-	-		
74	OHX	B1	3550	-	0,6,6	0.00	-	-		
74	OHX	A1	1941	-	0,6,6	0.00	-	-		
74	OHX	B1	3489	-	0,6,6	0.00	-	-		
74	OHX	D1	3520	-	0,6,6	0.00	-	-		
74	OHX	C1	1972	-	0,6,6	0.00	-	-		
74	OHX	A1	1920	-	0,6,6	0.00	-	-		
74	OHX	A1	1984	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D3	207	-	0,6,6	0.00	-	-		
74	OHX	D2	205	-	0,6,6	0.00	-	-		
74	OHX	D1	3472	-	0,6,6	0.00	-	-		
74	OHX	B1	3521	-	0,6,6	0.00	-	-		
74	OHX	D1	3451	-	0,6,6	0.00	-	-		
74	OHX	D1	3599	-	0,6,6	0.00	-	-		
74	OHX	B1	3576	-	0,6,6	0.00	-	-		
74	OHX	B1	3447	-	0,6,6	0.00	-	-		
74	OHX	BT	201	-	0,6,6	0.00	-	-		
74	OHX	A1	1943	-	0,6,6	0.00	-	-		
74	OHX	B1	3442	-	0,6,6	0.00	-	-		
74	OHX	C1	1998	-	0,6,6	0.00	-	-		
74	OHX	B1	3514	-	0,6,6	0.00	-	-		
74	OHX	A1	1937	-	0,6,6	0.00	-	-		
74	OHX	D1	3557	-	0,6,6	0.00	-	-		
74	OHX	D1	3608	-	0,6,6	0.00	-	-		
74	OHX	D1	3533	-	0,6,6	0.00	-	-		
74	OHX	D1	3419	-	0,6,6	0.00	-	-		
74	OHX	A1	1990	-	0,6,6	0.00	-	-		
74	OHX	A1	1935	-	0,6,6	0.00	-	-		
74	OHX	B1	3516	-	0,6,6	0.00	-	-		
74	OHX	C1	1911	-	0,6,6	0.00	-	-		
74	OHX	D1	3470	-	0,6,6	0.00	-	-		
74	OHX	B1	3601	-	0,6,6	0.00	-	-		
74	OHX	A1	1974	-	0,6,6	0.00	-	-		
74	OHX	D1	3424	-	0,6,6	0.00	-	-		
74	OHX	A1	1914	-	0,6,6	0.00	-	-		
74	OHX	D1	3488	-	0,6,6	0.00	-	-		
74	OHX	C1	1947	-	0,6,6	0.00	-	-		
74	OHX	D3	204	-	0,6,6	0.00	-	-		
74	OHX	Dd	102	-	0,6,6	0.00	-	-		
74	OHX	C1	1935	-	0,6,6	0.00	-	-		
74	OHX	A1	1906	-	0,6,6	0.00	-	-		
74	OHX	B1	3536	-	0,6,6	0.00	-	-		
74	OHX	B1	3542	-	0,6,6	0.00	-	-		
74	OHX	B1	3503	-	0,6,6	0.00	-	-		
74	OHX	C1	1940	-	0,6,6	0.00	-	-		
74	OHX	B1	3572	-	0,6,6	0.00	-	-		
74	OHX	A1	1921	-	0,6,6	0.00	-	-		
74	OHX	D1	3579	-	0,6,6	0.00	-	-		
74	OHX	D1	3459	-	0,6,6	0.00	-	-		
74	OHX	B1	3573	-	0,6,6	0.00	-	-		
74	OHX	D1	3570	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3505	-	0,6,6	0.00	-	-		
74	OHX	C1	1974	-	0,6,6	0.00	-	-		
74	OHX	A1	1905	-	0,6,6	0.00	-	-		
74	OHX	B1	3494	-	0,6,6	0.00	-	-		
74	OHX	B1	3450	-	0,6,6	0.00	-	-		
74	OHX	D1	3407	-	0,6,6	0.00	-	-		
74	OHX	D1	3511	-	0,6,6	0.00	-	-		
74	OHX	C1	1968	-	0,6,6	0.00	-	-		
74	OHX	A1	1965	-	0,6,6	0.00	-	-		
74	OHX	B1	3468	-	0,6,6	0.00	-	-		
74	OHX	A1	1977	-	0,6,6	0.00	-	-		
74	OHX	D2	209	-	0,6,6	0.00	-	-		
74	OHX	C1	2001	-	0,6,6	0.00	-	-		
74	OHX	D1	3500	-	0,6,6	0.00	-	-		
74	OHX	D1	3432	-	0,6,6	0.00	-	-		
74	OHX	D1	3433	-	0,6,6	0.00	-	-		
74	OHX	B1	3423	-	0,6,6	0.00	-	-		
74	OHX	B1	3534	-	0,6,6	0.00	-	-		
74	OHX	B1	3460	-	0,6,6	0.00	-	-		
74	OHX	A1	1933	-	0,6,6	0.00	-	-		
74	OHX	B1	3607	-	0,6,6	0.00	-	-		
74	OHX	A1	1944	-	0,6,6	0.00	-	-		
74	OHX	A1	1963	-	0,6,6	0.00	-	-		
74	OHX	A1	1928	-	0,6,6	0.00	-	-		
74	OHX	B1	3411	-	0,6,6	0.00	-	-		
74	OHX	D1	3561	-	0,6,6	0.00	-	-		
74	OHX	D1	3506	-	0,6,6	0.00	-	-		
74	OHX	D1	3401	-	0,6,6	0.00	-	-		
74	OHX	A1	1973	-	0,6,6	0.00	-	-		
74	OHX	C1	1916	-	0,6,6	0.00	-	-		
74	OHX	C1	1938	-	0,6,6	0.00	-	-		
74	OHX	D1	3441	-	0,6,6	0.00	-	-		
74	OHX	B1	3589	-	0,6,6	0.00	-	-		
74	OHX	B1	3562	-	0,6,6	0.00	-	-		
74	OHX	B1	3553	-	0,6,6	0.00	-	-		
74	OHX	D1	3567	-	0,6,6	0.00	-	-		
74	OHX	D1	3426	-	0,6,6	0.00	-	-		
74	OHX	A1	1994	-	0,6,6	0.00	-	-		
74	OHX	D1	3498	-	0,6,6	0.00	-	-		
74	OHX	D1	3578	-	0,6,6	0.00	-	-		
74	OHX	C1	1924	-	0,6,6	0.00	-	-		
74	OHX	D1	3535	-	0,6,6	0.00	-	-		
74	OHX	B2	201	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	B1	3478	-	0,6,6	0.00	-	-		
74	OHX	C1	1913	-	0,6,6	0.00	-	-		
74	OHX	A1	1959	-	0,6,6	0.00	-	-		
74	OHX	D1	3480	-	0,6,6	0.00	-	-		
74	OHX	D1	3525	-	0,6,6	0.00	-	-		
74	OHX	B3	207	-	0,6,6	0.00	-	-		
74	OHX	B3	208	-	0,6,6	0.00	-	-		
74	OHX	B1	3474	-	0,6,6	0.00	-	-		
74	OHX	D1	3521	-	0,6,6	0.00	-	-		
74	OHX	D1	3406	-	0,6,6	0.00	-	-		
74	OHX	B1	3448	-	0,6,6	0.00	-	-		
74	OHX	D1	3586	-	0,6,6	0.00	-	-		
74	OHX	C1	1921	-	0,6,6	0.00	-	-		
74	OHX	C1	1902	-	0,6,6	0.00	-	-		
74	OHX	C1	1937	-	0,6,6	0.00	-	-		
74	OHX	CT	401	-	0,6,6	0.00	-	-		
74	OHX	A1	1958	-	0,6,6	0.00	-	-		
74	OHX	A1	1979	-	0,6,6	0.00	-	-		
74	OHX	C1	1942	-	0,6,6	0.00	-	-		
74	OHX	A1	1902	-	0,6,6	0.00	-	-		
74	OHX	D1	3619	-	0,6,6	0.00	-	-		
74	OHX	D1	3505	-	0,6,6	0.00	-	-		
74	OHX	B1	3598	-	0,6,6	0.00	-	-		
74	OHX	D1	3604	-	0,6,6	0.00	-	-		
74	OHX	A1	1992	-	0,6,6	0.00	-	-		
74	OHX	D1	3622	-	0,6,6	0.00	-	-		
74	OHX	A1	1942	-	0,6,6	0.00	-	-		
74	OHX	B1	3587	-	0,6,6	0.00	-	-		
74	OHX	B1	3537	-	0,6,6	0.00	-	-		
74	OHX	D1	3510	-	0,6,6	0.00	-	-		
74	OHX	D1	3462	-	0,6,6	0.00	-	-		
74	OHX	B1	3500	-	0,6,6	0.00	-	-		
74	OHX	B1	3455	-	0,6,6	0.00	-	-		
74	OHX	D1	3613	-	0,6,6	0.00	-	-		
74	OHX	B1	3482	-	0,6,6	0.00	-	-		
74	OHX	D1	3565	-	0,6,6	0.00	-	-		
74	OHX	D1	3443	-	0,6,6	0.00	-	-		
74	OHX	D1	3425	-	0,6,6	0.00	-	-		
74	OHX	B1	3430	-	0,6,6	0.00	-	-		
74	OHX	D1	3507	-	0,6,6	0.00	-	-		
74	OHX	B1	3614	-	0,6,6	0.00	-	-		
74	OHX	B1	3611	-	0,6,6	0.00	-	-		
74	OHX	D1	3560	-	0,6,6	0.00	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
74	OHX	D1	3601	-	0,6,6	0.00	-	-		
74	OHX	B1	3551	-	0,6,6	0.00	-	-		
74	OHX	D1	3532	-	0,6,6	0.00	-	-		
74	OHX	A1	1949	-	0,6,6	0.00	-	-		
74	OHX	A1	1936	-	0,6,6	0.00	-	-		
74	OHX	B1	3560	-	0,6,6	0.00	-	-		
74	OHX	DE	301	-	0,6,6	0.00	-	-		
74	OHX	D1	3438	-	0,6,6	0.00	-	-		
74	OHX	B1	3425	-	0,6,6	0.00	-	-		
74	OHX	A1	1969	-	0,6,6	0.00	-	-		
74	OHX	B1	3616	-	0,6,6	0.00	-	-		
74	OHX	D1	3538	-	0,6,6	0.00	-	-		
74	OHX	D1	3577	-	0,6,6	0.00	-	-		
74	OHX	B2	205	-	0,6,6	0.00	-	-		
74	OHX	D1	3455	-	0,6,6	0.00	-	-		
74	OHX	B1	3405	-	0,6,6	0.00	-	-		
74	OHX	B1	3582	-	0,6,6	0.00	-	-		
74	OHX	D1	3468	-	0,6,6	0.00	-	-		
74	OHX	B1	3441	-	0,6,6	0.00	-	-		
74	OHX	B1	3422	-	0,6,6	0.00	-	-		
74	OHX	B1	3610	-	0,6,6	0.00	-	-		
74	OHX	A1	1997	-	0,6,6	0.00	-	-		
74	OHX	C1	1904	-	0,6,6	0.00	-	-		
74	OHX	B1	3488	-	0,6,6	0.00	-	-		

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

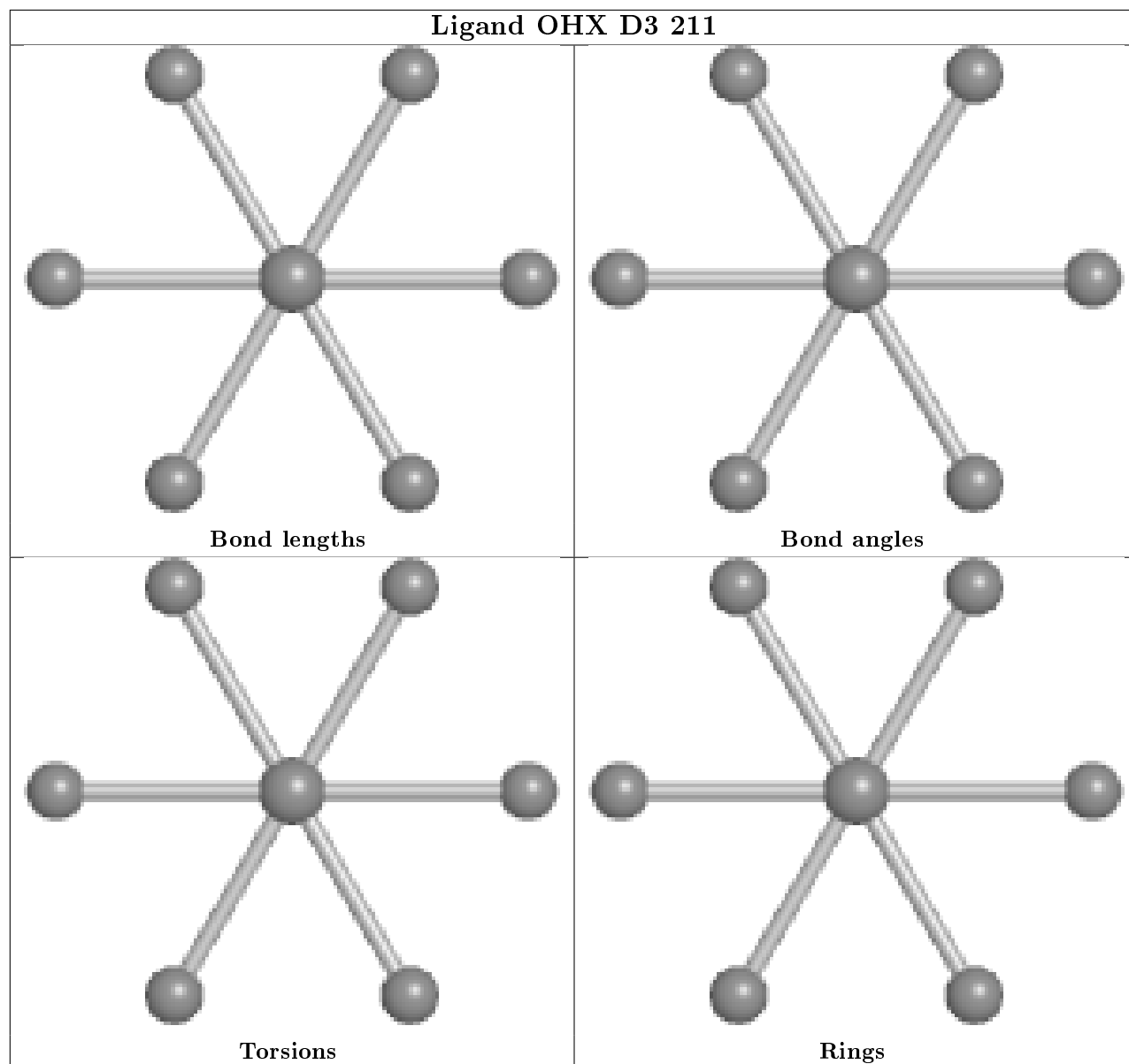
There are no torsion outliers.

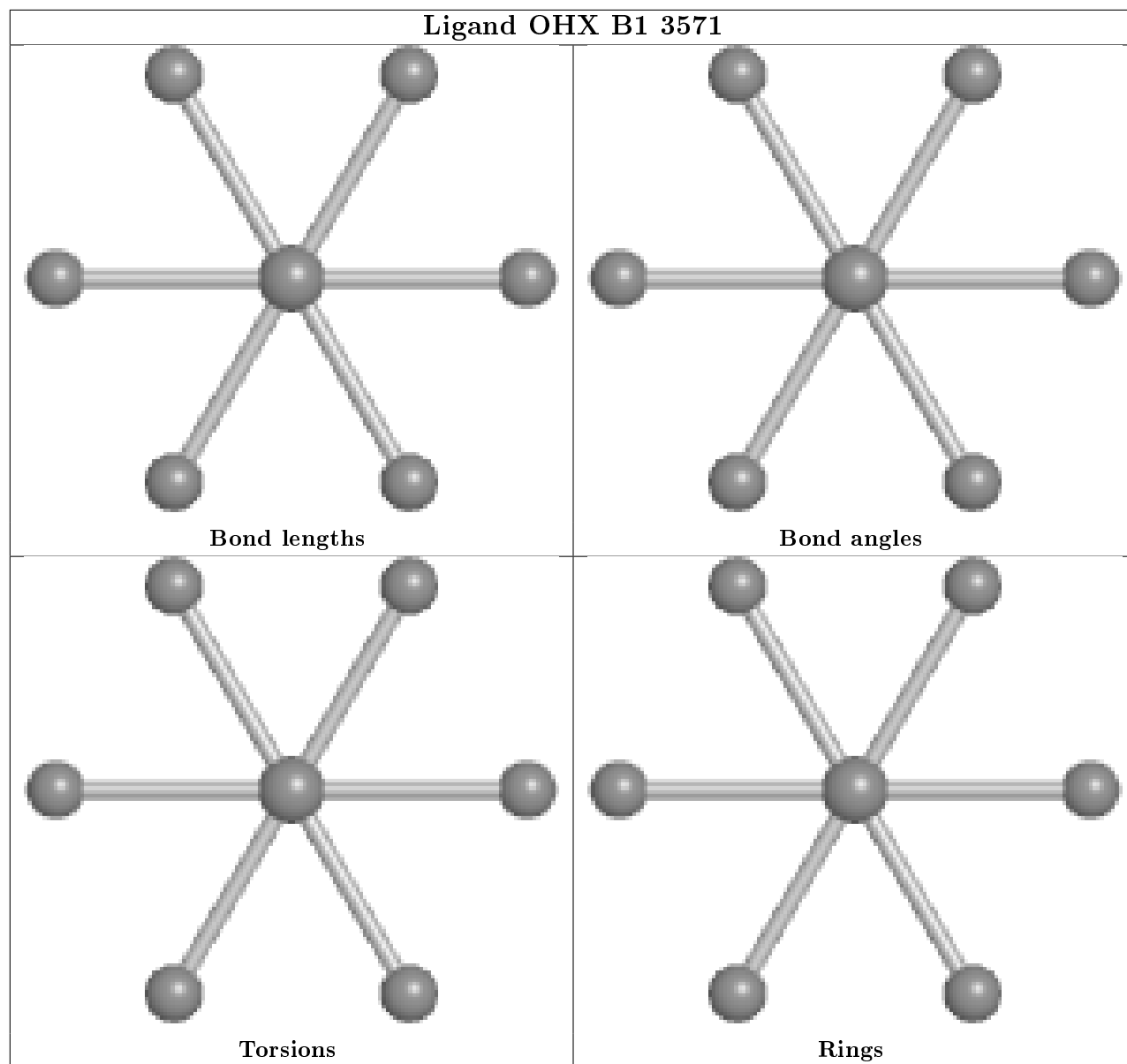
There are no ring outliers.

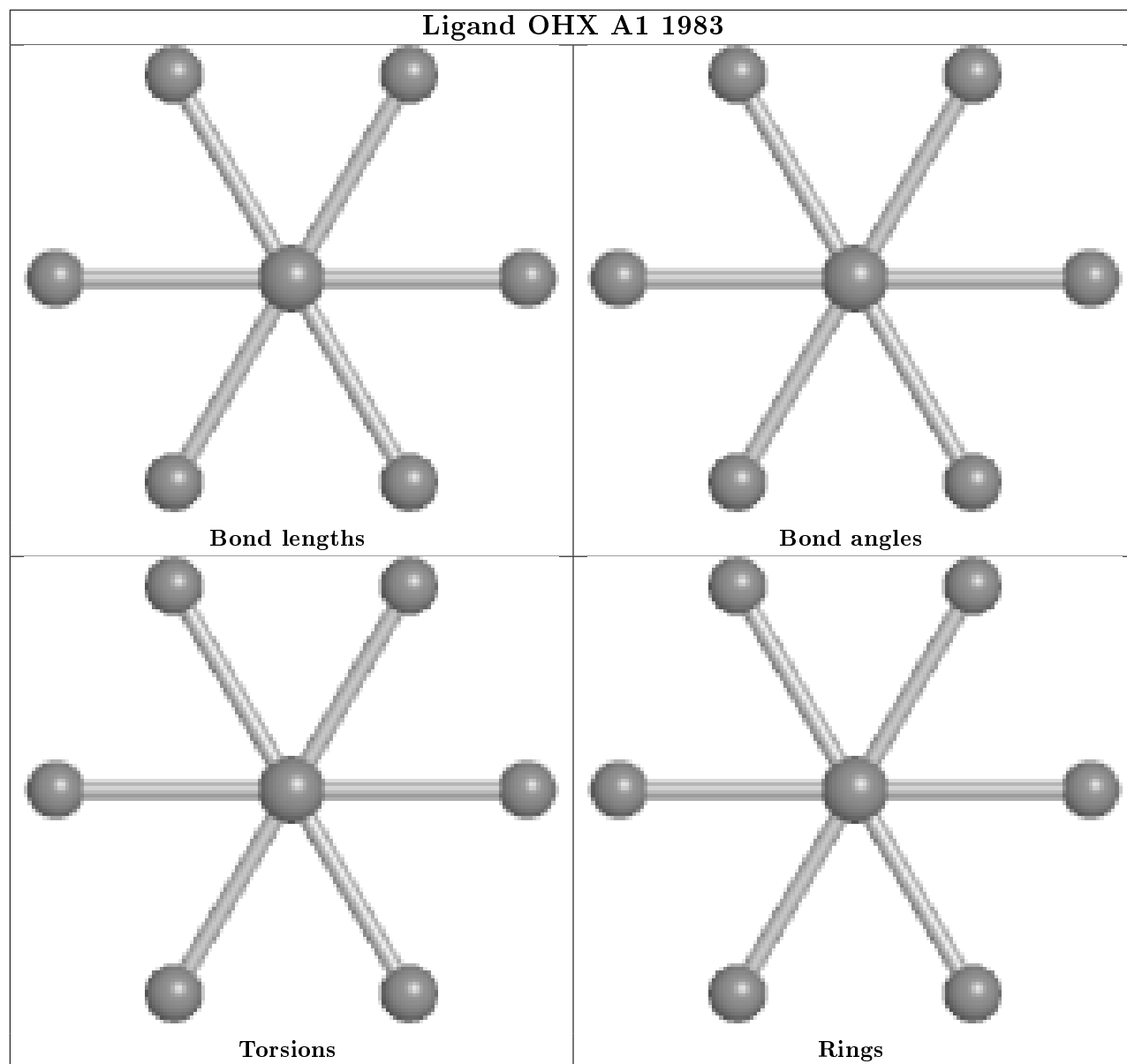
No monomer is involved in short contacts.

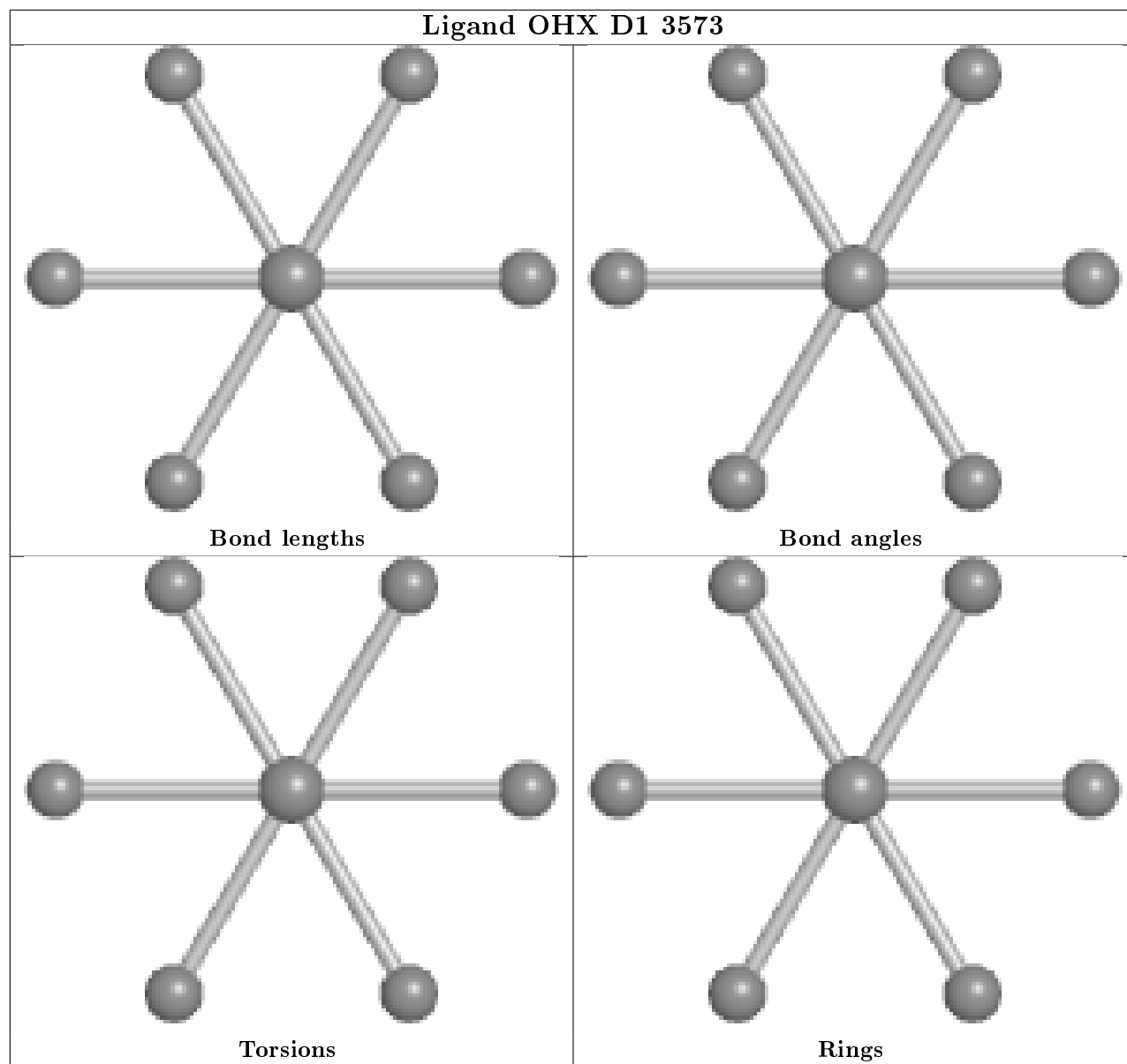
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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

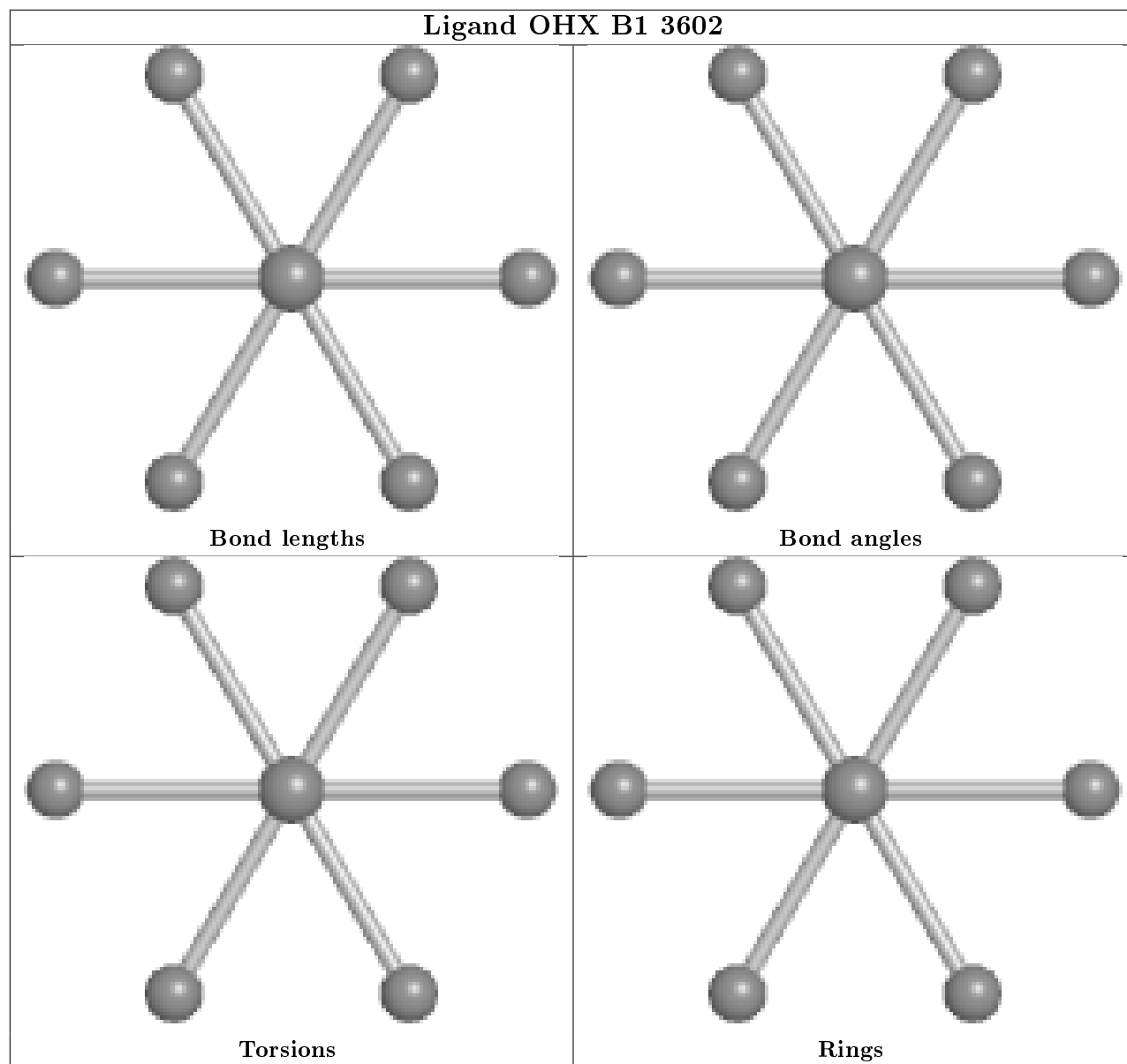
any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

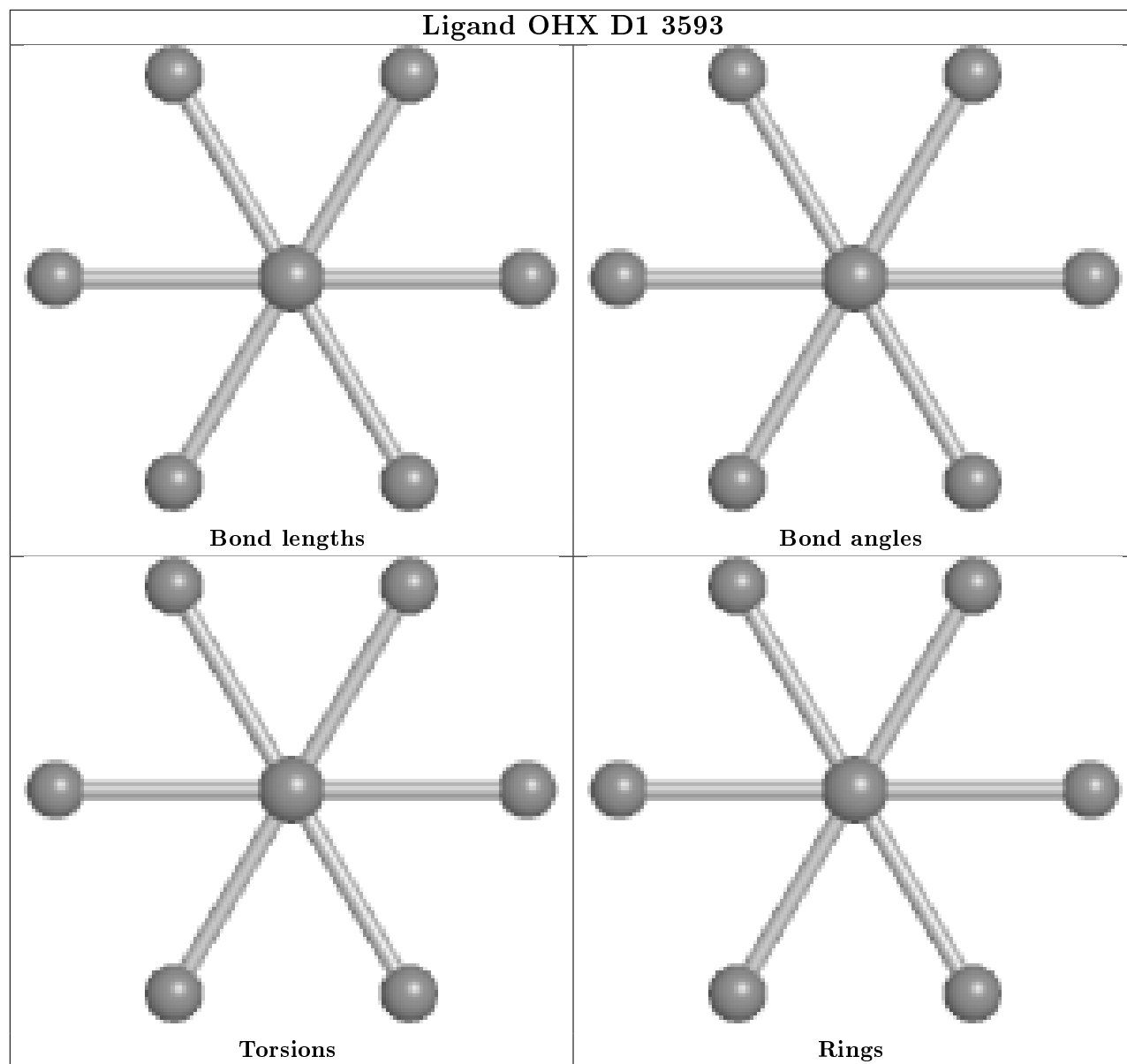


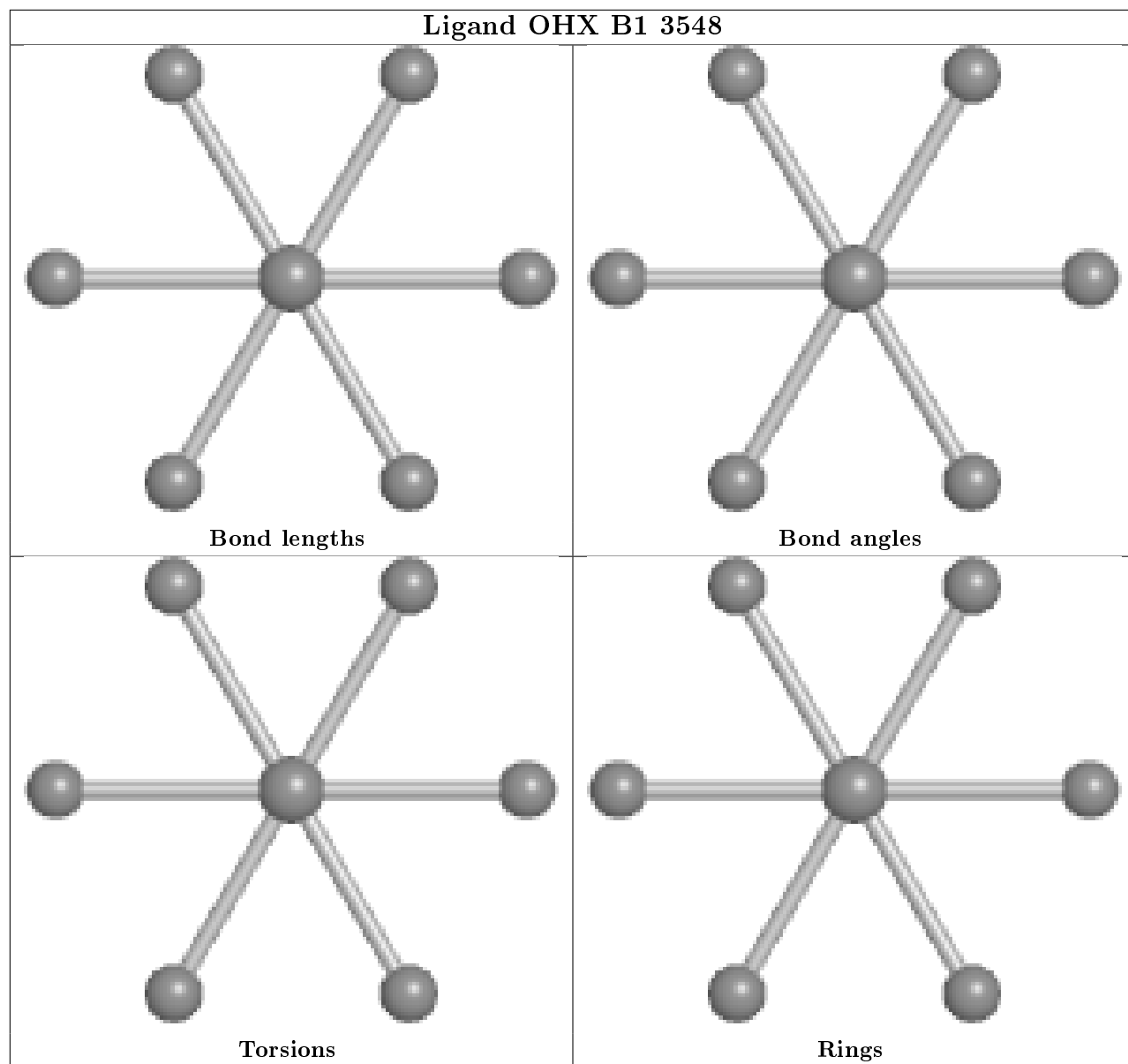


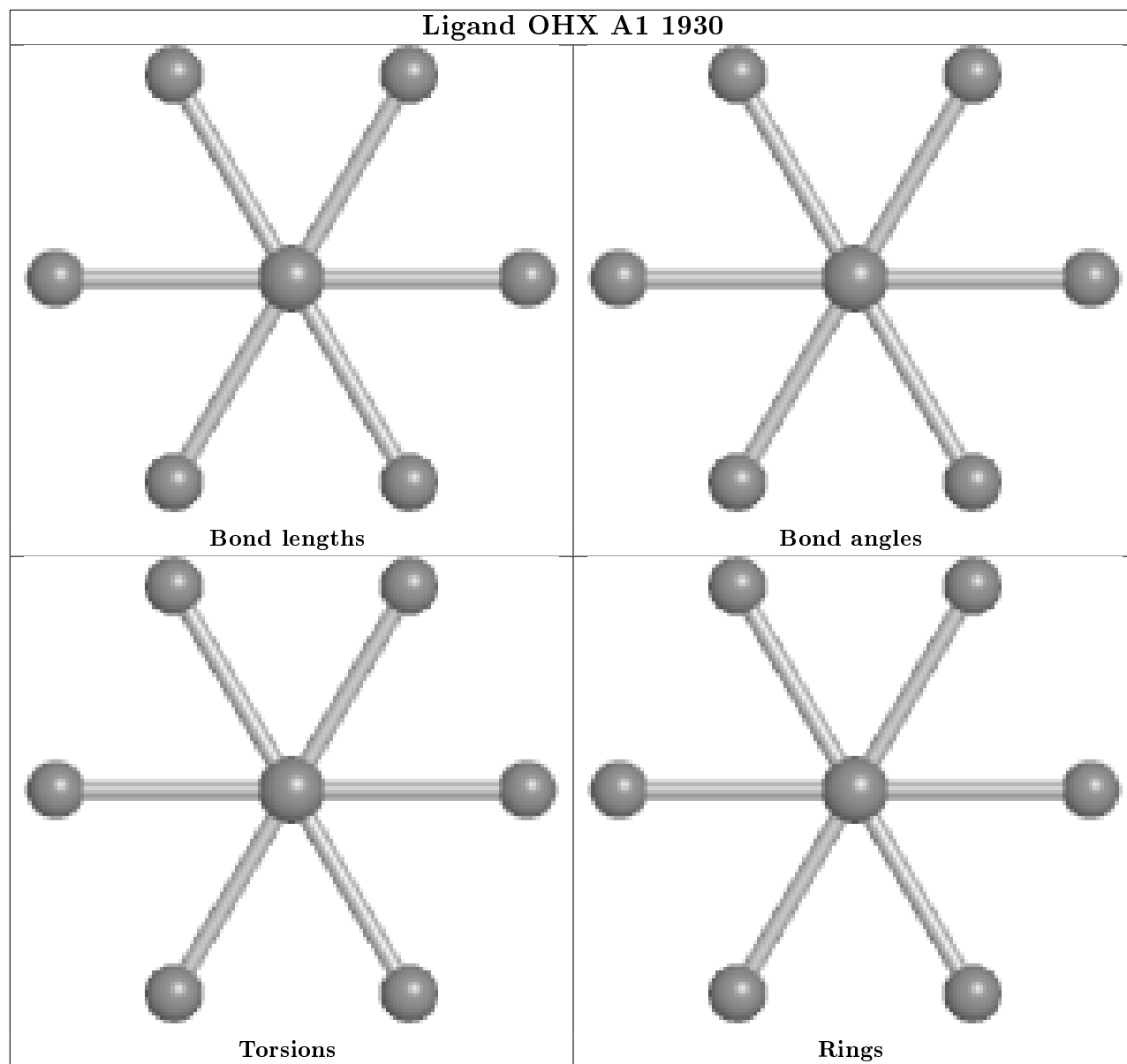


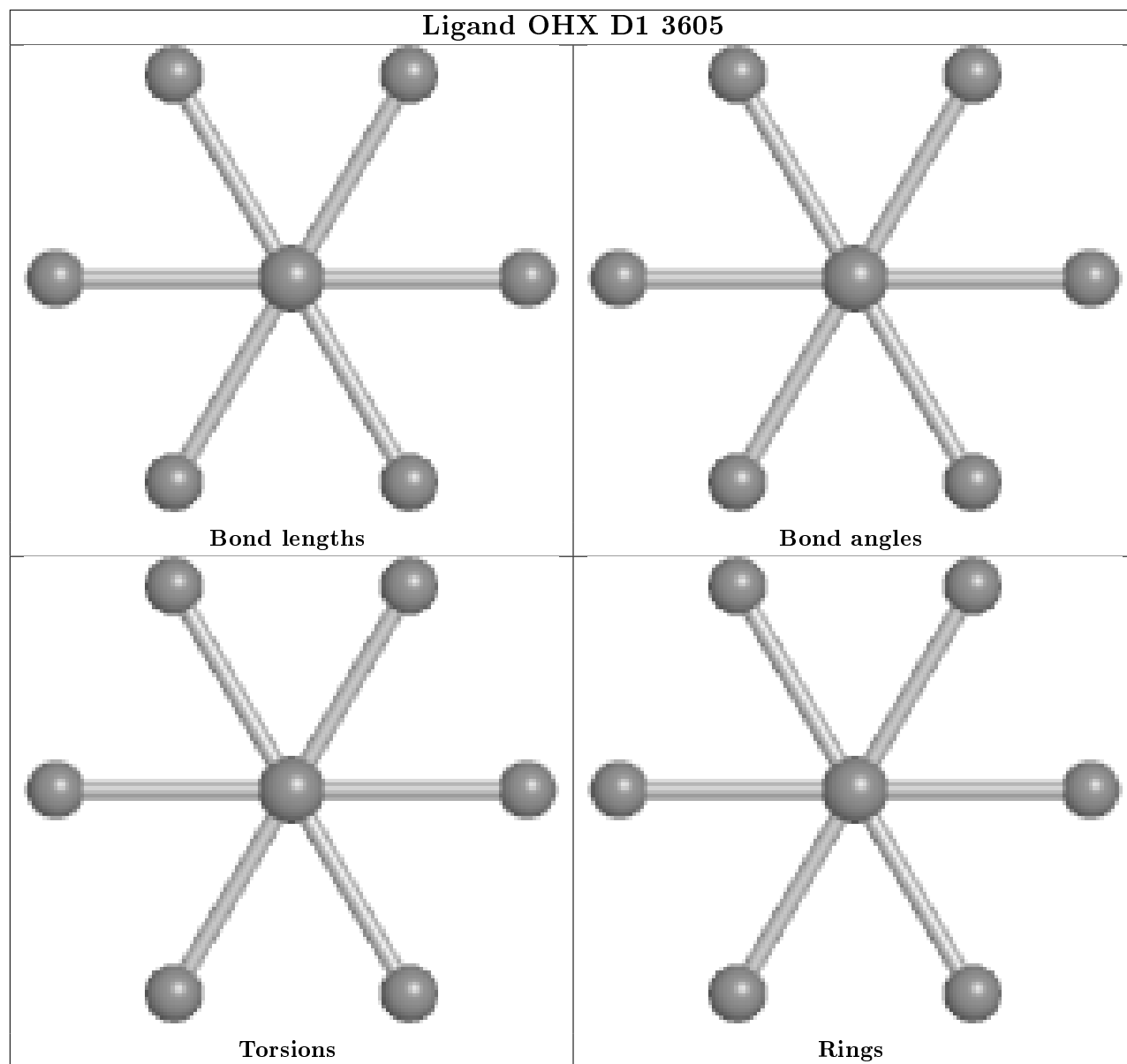


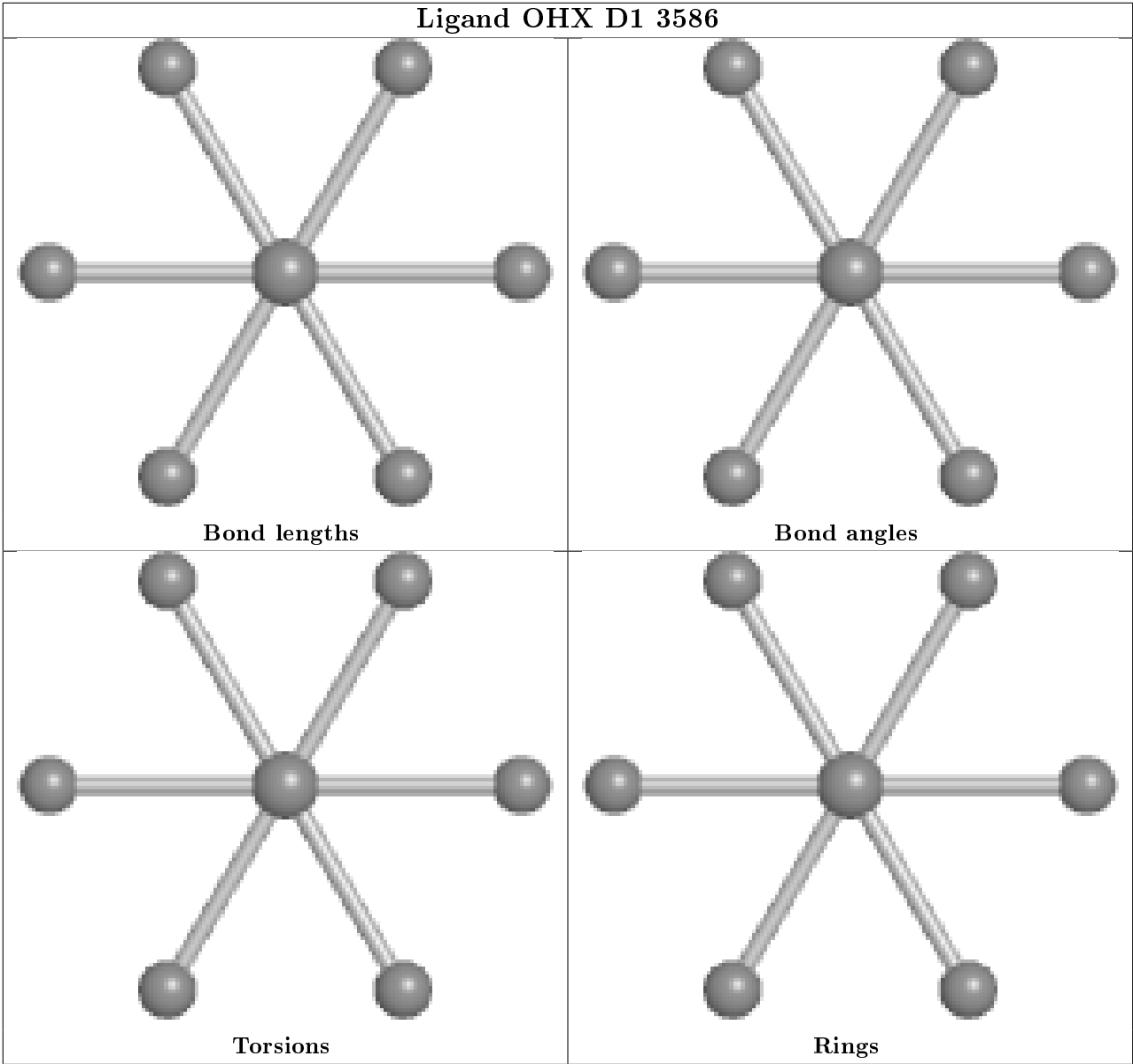












5.7 Other polymers ⓘ

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	Cb	4
23	Ab	4
63	Dh	1

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Mol	Chain	Number of breaks
68	Bn	1
28	Ch	1
24	Cc	1
24	Ac	1
28	Ah	1
63	Bh	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%)	0.04	50 (2%) 53 42	45, 138, 429, 753	0
1	C1	1789/1800 (99%)	0.14	61 (3%) 45 36	42, 120, 419, 674	0
2	AA	220/252 (87%)	-0.53	5 (2%) 60 51	64, 150, 323, 474	0
2	CA	220/252 (87%)	-0.54	2 (0%) 84 77	66, 119, 336, 538	0
3	AB	219/254 (86%)	-0.38	3 (1%) 75 65	42, 117, 298, 500	0
3	CB	219/254 (86%)	-0.55	2 (0%) 84 77	50, 108, 288, 386	0
4	AC	189/240 (78%)	-0.35	2 (1%) 80 72	52, 120, 278, 403	0
4	CC	189/240 (78%)	-0.54	0 100 100	41, 120, 262, 460	0
5	AD	169/225 (75%)	-0.58	3 (1%) 68 59	58, 150, 355, 516	0
5	CD	169/225 (75%)	-0.63	3 (1%) 68 59	33, 108, 269, 383	0
6	AE	157/197 (79%)	-0.47	6 (3%) 40 32	44, 140, 362, 438	0
6	CE	157/197 (79%)	-0.46	1 (0%) 89 84	31, 99, 330, 482	0
7	AF	77/156 (49%)	-0.56	1 (1%) 77 68	45, 95, 205, 412	0
7	CF	77/156 (49%)	0.09	7 (9%) 9 8	56, 91, 267, 342	0
8	AG	117/151 (77%)	-0.78	0 100 100	35, 108, 284, 362	0
8	CG	117/151 (77%)	-0.76	0 100 100	47, 97, 263, 458	0
9	AH	128/137 (93%)	-0.21	6 (4%) 31 26	53, 186, 349, 436	0
9	CH	128/137 (93%)	-0.21	5 (3%) 39 31	39, 132, 354, 482	0
10	AI	121/142 (85%)	-0.51	2 (1%) 70 60	55, 140, 329, 419	0
10	CI	121/142 (85%)	-0.44	1 (0%) 86 79	46, 116, 273, 447	0
11	AJ	134/143 (93%)	-0.56	2 (1%) 73 64	74, 144, 302, 340	0
11	CJ	134/143 (93%)	-0.46	3 (2%) 62 52	44, 99, 288, 381	0
12	AK	67/136 (49%)	-0.43	2 (2%) 50 39	52, 142, 319, 407	0
12	CK	67/136 (49%)	0.19	5 (7%) 14 12	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%)	-0.46	2 (1%) 70 60	55, 146, 298, 514	0
13	CL	120/146 (82%)	-0.41	5 (4%) 36 29	52, 96, 293, 519	0
14	AM	106/144 (73%)	-0.53	2 (1%) 66 58	71, 138, 348, 425	0
14	CM	106/144 (73%)	-0.57	2 (1%) 66 58	42, 81, 260, 338	0
15	AN	111/121 (91%)	-0.34	3 (2%) 54 44	68, 129, 336, 412	0
15	CN	111/121 (91%)	-0.34	1 (0%) 84 77	32, 111, 286, 424	0
16	AO	127/130 (97%)	-0.39	0 100 100	53, 95, 256, 411	0
16	CO	127/130 (97%)	-0.75	0 100 100	54, 91, 229, 441	0
17	AP	116/145 (80%)	-0.63	0 100 100	29, 95, 247, 384	0
17	CP	116/145 (80%)	-0.63	0 100 100	29, 71, 190, 418	0
18	AQ	67/108 (62%)	-0.42	1 (1%) 73 64	94, 210, 332, 355	0
18	CQ	63/108 (58%)	-0.33	2 (3%) 47 37	68, 150, 282, 307	0
19	AR	47/67 (70%)	0.11	4 (8%) 10 9	107, 245, 393, 457	0
19	CR	47/67 (70%)	0.37	5 (10%) 6 6	51, 221, 381, 425	0
20	AS	39/56 (69%)	-0.48	0 100 100	58, 108, 181, 260	0
20	CS	39/56 (69%)	-0.49	0 100 100	37, 95, 140, 292	0
21	AT	313/319 (98%)	-0.23	12 (3%) 40 32	106, 195, 286, 348	0
21	CT	313/319 (98%)	-0.20	13 (4%) 36 29	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%)	0.04	83 (2%) 56 46	33, 86, 395, 634	0
29	D1	3206/3396 (94%)	0.09	88 (2%) 54 44	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%)	-0.09	0 100 100	46, 118, 189, 323	0
30	D2	121/121 (100%)	-0.06	1 (0%) 86 79	36, 95, 180, 349	0
31	B3	158/158 (100%)	0.00	6 (3%) 40 32	46, 108, 258, 619	0
31	D3	158/158 (100%)	-0.02	2 (1%) 77 68	59, 136, 358, 586	0
32	BA	213/217 (98%)	0.51	33 (15%) 2 2	137, 327, 441, 483	0
32	DA	213/217 (98%)	0.73	42 (19%) 1 1	159, 354, 442, 484	0
33	BB	234/254 (92%)	-0.46	3 (1%) 77 68	25, 83, 246, 419	0
33	DB	234/254 (92%)	-0.24	5 (2%) 63 54	54, 108, 254, 417	0
34	BC	364/387 (94%)	-0.61	1 (0%) 94 90	20, 66, 216, 560	0
34	DC	364/387 (94%)	-0.69	0 100 100	29, 58, 208, 543	0
35	BD	268/362 (74%)	-0.71	0 100 100	34, 70, 207, 500	0
35	DD	268/362 (74%)	-0.52	2 (0%) 87 82	50, 102, 274, 463	0
36	BE	287/297 (96%)	-0.46	2 (0%) 87 82	58, 119, 355, 497	0
36	DE	287/297 (96%)	-0.60	6 (2%) 63 54	38, 91, 302, 478	0
37	BF	176/176 (100%)	-0.61	2 (1%) 80 72	25, 81, 305, 519	0
37	DF	176/176 (100%)	-0.50	1 (0%) 89 84	31, 69, 342, 518	0
38	BG	215/244 (88%)	-0.85	0 100 100	21, 59, 226, 486	0
38	DG	215/244 (88%)	-0.89	0 100 100	25, 49, 167, 330	0
39	BH	173/256 (67%)	-0.45	4 (2%) 60 51	45, 110, 297, 429	0
39	DH	173/256 (67%)	-0.38	4 (2%) 60 51	70, 146, 316, 422	0
40	BI	191/191 (100%)	-0.51	2 (1%) 82 74	27, 83, 237, 347	0
40	DI	191/191 (100%)	-0.89	0 100 100	22, 49, 164, 286	0
41	BJ	208/221 (94%)	-0.64	1 (0%) 91 85	39, 93, 251, 452	0
41	DJ	208/221 (94%)	-0.73	1 (0%) 91 85	25, 64, 257, 456	0
42	BK	165/174 (94%)	-0.48	4 (2%) 59 49	56, 125, 348, 497	0
42	DK	165/174 (94%)	-0.60	1 (0%) 89 84	45, 97, 330, 532	0
43	BN	120/138 (86%)	-0.58	0 100 100	34, 77, 260, 387	0
43	DN	120/138 (86%)	-0.69	1 (0%) 86 79	33, 60, 262, 325	0
44	BO	187/204 (91%)	-0.55	1 (0%) 91 85	38, 86, 178, 383	0
44	DO	187/204 (91%)	-0.36	4 (2%) 63 54	57, 119, 255, 327	0
45	BP	196/199 (98%)	-0.84	0 100 100	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%)	-0.74	1 (0%) 91 85	23, 45, 111, 424	0
46	BQ	154/184 (83%)	-0.73	0 100 100	30, 55, 144, 337	0
46	DQ	154/184 (83%)	-0.78	0 100 100	37, 77, 243, 373	0
47	BR	143/186 (76%)	-0.71	1 (0%) 87 82	38, 70, 200, 421	0
47	DR	143/186 (76%)	-0.30	4 (2%) 53 42	60, 87, 244, 378	0
48	BS	188/189 (99%)	-0.49	3 (1%) 72 62	52, 101, 419, 569	0
48	DS	188/189 (99%)	0.17	25 (13%) 3 4	59, 109, 589, 657	0
49	BT	119/160 (74%)	-0.57	1 (0%) 86 79	42, 73, 221, 310	0
49	DT	119/160 (74%)	-0.62	0 100 100	36, 72, 184, 282	0
50	BU	129/137 (94%)	-0.55	0 100 100	27, 70, 208, 391	0
50	DU	129/137 (94%)	-0.62	0 100 100	20, 48, 151, 235	0
51	BV	59/155 (38%)	-0.68	0 100 100	29, 84, 259, 363	0
51	DV	59/155 (38%)	-0.48	1 (1%) 70 60	53, 73, 197, 320	0
52	BW	94/142 (66%)	-0.44	0 100 100	53, 91, 211, 312	0
52	DW	94/142 (66%)	-0.45	1 (1%) 80 72	64, 124, 247, 337	0
53	BX	107/127 (84%)	-0.70	0 100 100	58, 91, 182, 233	0
53	DX	107/127 (84%)	-0.48	2 (1%) 66 58	56, 106, 248, 361	0
54	BY	149/149 (100%)	-0.46	3 (2%) 65 56	30, 76, 331, 456	0
54	DY	149/149 (100%)	-0.52	1 (0%) 87 82	49, 95, 277, 409	0
55	BZ	98/105 (93%)	-0.33	2 (2%) 65 56	52, 128, 269, 360	0
55	DZ	98/105 (93%)	-0.30	3 (3%) 49 38	56, 134, 272, 365	0
56	Ba	86/113 (76%)	-0.67	0 100 100	38, 83, 232, 396	0
56	Da	86/113 (76%)	-0.64	0 100 100	51, 82, 274, 430	0
57	Bb	125/130 (96%)	-0.78	0 100 100	26, 54, 138, 435	0
57	Db	125/130 (96%)	-0.48	1 (0%) 86 79	39, 77, 168, 380	0
58	Bc	68/120 (56%)	-0.66	0 100 100	46, 89, 202, 381	0
58	Dc	68/120 (56%)	-0.74	1 (1%) 73 64	50, 123, 270, 348	0
59	Bd	72/88 (81%)	-0.53	0 100 100	36, 79, 322, 434	0
59	Dd	72/88 (81%)	-0.62	0 100 100	30, 103, 268, 336	0
60	Be	48/51 (94%)	-0.65	0 100 100	30, 72, 159, 290	0
60	De	48/51 (94%)	-0.58	0 100 100	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%)	-0.19	3 (3%) 47 37	57, 145, 363, 475	0
61	Df	95/106 (89%)	0.22	10 (10%) 6 6	62, 195, 389, 486	0
62	Bg	83/92 (90%)	-0.68	1 (1%) 79 70	35, 98, 311, 431	0
62	Dg	83/92 (90%)	-0.63	0 100 100	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%)	-0.58	2 (1%) 75 65	84, 172, 387, 465	0
73	DM	130/312 (41%)	-0.53	2 (1%) 73 64	47, 121, 305, 409	0
All	All	25728/30002 (85%)	-0.26	592 (2%) 60 51	20, 105, 353, 753	0

The worst 5 of 592 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
29	B1	136	G	14.9
1	C1	681	U	14.6
29	D1	2495	C	14.4
1	A1	1701	A	13.6
29	D1	2494	A	13.5

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 monosaccharides 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	B2	209	7/7	0.66	0.34	148,148,148,148	7
74	OHX	C1	1972	7/7	0.66	0.30	216,216,216,216	7
74	OHX	D1	3593	7/7	0.69	0.53	99,99,99,99	7
74	OHX	D1	3542	7/7	0.70	0.38	198,198,198,198	7
74	OHX	D3	211	7/7	0.70	0.41	137,137,137,137	7
74	OHX	C1	1950	7/7	0.72	0.28	215,215,215,215	7
74	OHX	D1	3525	7/7	0.72	0.27	106,106,106,106	7
74	OHX	A1	1930	7/7	0.73	0.43	228,228,228,228	7
74	OHX	D3	206	7/7	0.73	0.36	77,77,77,77	7
74	OHX	B1	3602	7/7	0.73	0.44	75,75,75,75	7
74	OHX	C1	1970	7/7	0.73	0.30	176,176,176,176	7
74	OHX	D3	205	7/7	0.74	0.25	199,199,199,199	7
74	OHX	A1	1983	7/7	0.74	0.59	122,122,122,122	7
74	OHX	B1	3571	7/7	0.74	0.48	176,176,176,176	7
74	OHX	C1	1978	7/7	0.75	0.29	145,145,145,145	7
74	OHX	D1	3573	7/7	0.76	0.43	135,135,135,135	7
74	OHX	C1	1957	7/7	0.76	0.38	226,226,226,226	7
74	OHX	D1	3551	7/7	0.76	0.30	120,120,120,120	7
74	OHX	B1	3552	7/7	0.77	0.32	138,138,138,138	7
74	OHX	C1	1979	7/7	0.77	0.33	190,190,190,190	7
74	OHX	D1	3605	7/7	0.77	0.47	93,93,93,93	7
74	OHX	D3	208	7/7	0.78	0.28	135,135,135,135	7
74	OHX	A1	1999	7/7	0.78	0.38	99,99,99,99	7
74	OHX	D1	3522	7/7	0.78	0.27	133,133,133,133	7
74	OHX	D1	3566	7/7	0.78	0.36	88,88,88,88	7
74	OHX	D1	3618	7/7	0.79	0.34	62,62,62,62	7
74	OHX	B1	3548	7/7	0.79	0.60	153,153,153,153	7
74	OHX	D1	3564	7/7	0.79	0.38	85,85,85,85	7
74	OHX	D1	3556	7/7	0.79	0.24	146,146,146,146	7
74	OHX	D1	3586	7/7	0.79	0.62	115,115,115,115	7
74	OHX	DE	301	7/7	0.79	0.24	302,302,302,302	7
74	OHX	C1	1998	7/7	0.80	0.62	129,129,129,129	7
74	OHX	D1	3535	7/7	0.80	0.32	142,142,142,142	7
74	OHX	B3	206	7/7	0.80	0.37	201,201,201,201	7
74	OHX	C1	1988	7/7	0.80	0.27	146,146,146,146	7
74	OHX	C1	1976	7/7	0.80	0.37	118,118,118,118	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	A1	1974	7/7	0.81	0.40	136,136,136,136	7
74	OHX	D1	3578	7/7	0.81	0.70	222,222,222,222	7
74	OHX	D1	3589	7/7	0.81	0.32	56,56,56,56	7
74	OHX	CS	102	7/7	0.81	0.35	184,184,184,184	7
74	OHX	B1	3535	7/7	0.81	0.28	170,170,170,170	7
74	OHX	C1	1958	7/7	0.81	0.23	153,153,153,153	7
74	OHX	C1	1962	7/7	0.82	0.30	180,180,180,180	7
74	OHX	B1	3577	7/7	0.82	0.47	148,148,148,148	7
74	OHX	B2	208	7/7	0.82	0.48	152,152,152,152	7
74	OHX	A1	1953	7/7	0.83	0.39	122,122,122,122	7
74	OHX	A1	1962	7/7	0.83	0.49	193,193,193,193	7
74	OHX	B1	3554	7/7	0.83	0.69	156,156,156,156	7
74	OHX	C1	1974	7/7	0.83	0.34	118,118,118,118	7
74	OHX	D1	3541	7/7	0.83	0.31	141,141,141,141	7
74	OHX	B1	3599	7/7	0.83	0.28	87,87,87,87	7
74	OHX	D1	3609	7/7	0.83	0.45	73,73,73,73	7
74	OHX	A1	1998	7/7	0.83	0.32	125,125,125,125	7
74	OHX	D1	3587	7/7	0.83	0.58	111,111,111,111	7
74	OHX	D1	3599	7/7	0.84	0.36	93,93,93,93	7
74	OHX	D1	3580	7/7	0.84	0.29	114,114,114,114	7
74	OHX	A1	2000	7/7	0.84	0.45	75,75,75,75	7
74	OHX	B1	3601	7/7	0.84	0.36	158,158,158,158	7
74	OHX	D1	3590	7/7	0.84	0.40	55,55,55,55	7
74	OHX	B1	3568	7/7	0.84	0.22	94,94,94,94	7
74	OHX	D1	3583	7/7	0.84	0.28	88,88,88,88	7
74	OHX	B1	3514	7/7	0.84	0.30	123,123,123,123	7
74	OHX	B1	3555	7/7	0.84	0.30	103,103,103,103	7
74	OHX	B2	210	7/7	0.84	0.43	131,131,131,131	7
74	OHX	C1	1952	7/7	0.84	0.21	239,239,239,239	7
74	OHX	B1	3600	7/7	0.85	0.34	135,135,135,135	7
74	OHX	D1	3488	7/7	0.85	0.20	141,141,141,141	7
74	OHX	B1	3580	7/7	0.85	0.38	84,84,84,84	7
74	OHX	C1	1968	7/7	0.85	0.30	103,103,103,103	7
74	OHX	C1	1938	7/7	0.85	0.30	191,191,191,191	7
74	OHX	B1	3562	7/7	0.85	0.59	130,130,130,130	7
74	OHX	C1	1990	7/7	0.85	0.27	105,105,105,105	7
74	OHX	C1	1993	7/7	0.85	0.28	93,93,93,93	7
74	OHX	B1	3621	7/7	0.85	0.36	83,83,83,83	7
74	OHX	D1	3509	7/7	0.85	0.33	120,120,120,120	7
74	OHX	B1	3560	7/7	0.85	0.33	105,105,105,105	7
74	OHX	A1	1993	7/7	0.85	0.33	108,108,108,108	7
74	OHX	C1	1966	7/7	0.86	0.42	127,127,127,127	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	D1	3553	7/7	0.86	0.25	145,145,145,145	7
74	OHX	B1	3511	7/7	0.86	0.39	160,160,160,160	7
74	OHX	B2	206	7/7	0.86	0.21	128,128,128,128	7
74	OHX	D1	3490	7/7	0.86	0.36	167,167,167,167	7
74	OHX	D1	3596	7/7	0.86	0.21	114,114,114,114	7
74	OHX	A1	1990	7/7	0.86	0.28	117,117,117,117	7
74	OHX	A1	2002	7/7	0.86	0.43	185,185,185,185	7
74	OHX	D1	3600	7/7	0.86	0.30	96,96,96,96	7
74	OHX	A1	1958	7/7	0.86	0.19	116,116,116,116	7
74	OHX	D1	3507	7/7	0.86	0.28	133,133,133,133	7
74	OHX	B1	3614	7/7	0.86	0.34	163,163,163,163	7
74	OHX	DO	301	7/7	0.86	0.23	285,285,285,285	7
74	OHX	B1	3561	7/7	0.86	0.50	280,280,280,280	7
74	OHX	C1	1954	7/7	0.87	0.25	116,116,116,116	7
74	OHX	D1	3616	7/7	0.87	0.46	150,150,150,150	7
74	OHX	A1	1978	7/7	0.87	0.36	139,139,139,139	7
74	OHX	D2	208	7/7	0.87	0.39	105,105,105,105	7
74	OHX	D1	3515	7/7	0.87	0.25	173,173,173,173	7
74	OHX	C1	1969	7/7	0.87	0.30	133,133,133,133	7
74	OHX	D2	209	7/7	0.87	0.32	74,74,74,74	7
74	OHX	B1	3526	7/7	0.87	0.25	174,174,174,174	7
74	OHX	C1	1959	7/7	0.87	0.29	166,166,166,166	7
74	OHX	D1	3521	7/7	0.87	0.24	163,163,163,163	7
74	OHX	B1	3583	7/7	0.87	0.28	126,126,126,126	7
74	OHX	D1	3563	7/7	0.87	0.35	99,99,99,99	7
74	OHX	B1	3493	7/7	0.87	0.21	135,135,135,135	7
74	OHX	B1	3533	7/7	0.87	0.34	149,149,149,149	7
74	OHX	B1	3581	7/7	0.87	0.34	106,106,106,106	7
74	OHX	B1	3529	7/7	0.87	0.14	171,171,171,171	7
74	OHX	D1	3529	7/7	0.87	0.28	130,130,130,130	7
74	OHX	D1	3585	7/7	0.87	0.24	102,102,102,102	7
74	OHX	BO	301	7/7	0.87	0.38	110,110,110,110	7
74	OHX	B1	3539	7/7	0.87	0.33	137,137,137,137	7
74	OHX	DJ	301	7/7	0.88	0.29	138,138,138,138	7
74	OHX	D1	3558	7/7	0.88	0.30	127,127,127,127	7
74	OHX	D1	3481	7/7	0.88	0.29	137,137,137,137	7
74	OHX	C1	1987	7/7	0.88	0.36	108,108,108,108	7
74	OHX	A1	1925	7/7	0.88	0.37	165,165,165,165	7
74	OHX	A1	1951	7/7	0.88	0.29	259,259,259,259	7
74	OHX	D1	3485	7/7	0.88	0.29	90,90,90,90	7
74	OHX	B1	3534	7/7	0.88	0.27	128,128,128,128	7
74	OHX	D1	3550	7/7	0.88	0.45	100,100,100,100	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	D1	3555	7/7	0.88	0.31	150,150,150,150	7
74	OHX	C1	1945	7/7	0.88	0.24	122,122,122,122	7
74	OHX	B2	204	7/7	0.88	0.23	132,132,132,132	7
74	OHX	B1	3544	7/7	0.88	0.30	130,130,130,130	7
74	OHX	C1	1985	7/7	0.88	0.30	153,153,153,153	7
74	OHX	B1	3474	7/7	0.88	0.26	179,179,179,179	7
74	OHX	A1	1964	7/7	0.88	0.74	85,85,85,85	7
74	OHX	D1	3569	7/7	0.88	0.29	88,88,88,88	7
74	OHX	D1	3572	7/7	0.88	0.34	91,91,91,91	7
74	OHX	A1	1985	7/7	0.88	0.33	86,86,86,86	7
74	OHX	D1	3611	7/7	0.88	0.36	82,82,82,82	7
74	OHX	B1	3603	7/7	0.88	0.29	63,63,63,63	7
74	OHX	D1	3624	7/7	0.88	0.42	95,95,95,95	7
74	OHX	B1	3541	7/7	0.89	0.28	117,117,117,117	7
74	OHX	A1	1966	7/7	0.89	0.42	120,120,120,120	7
74	OHX	C1	1980	7/7	0.89	0.34	162,162,162,162	7
74	OHX	B1	3595	7/7	0.89	0.32	73,73,73,73	7
74	OHX	D1	3557	7/7	0.89	0.25	148,148,148,148	7
74	OHX	D1	3546	7/7	0.89	0.32	105,105,105,105	7
74	OHX	B1	3579	7/7	0.89	0.30	47,47,47,47	7
74	OHX	D1	3460	7/7	0.89	0.22	138,138,138,138	7
74	OHX	C1	1967	7/7	0.89	0.25	100,100,100,100	7
74	OHX	D1	3503	7/7	0.89	0.25	120,120,120,120	7
74	OHX	A1	1955	7/7	0.89	0.34	110,110,110,110	7
74	OHX	B1	3523	7/7	0.89	0.30	150,150,150,150	7
74	OHX	B1	3597	7/7	0.89	0.35	137,137,137,137	7
74	OHX	D1	3506	7/7	0.89	0.32	131,131,131,131	7
74	OHX	D1	3524	7/7	0.89	0.28	162,162,162,162	7
74	OHX	D1	3548	7/7	0.89	0.25	77,77,77,77	7
74	OHX	B1	3538	7/7	0.89	0.28	93,93,93,93	7
74	OHX	A1	1970	7/7	0.89	0.23	66,66,66,66	7
74	OHX	A1	1946	7/7	0.89	0.19	153,153,153,153	7
74	OHX	D1	3597	7/7	0.89	0.65	222,222,222,222	7
74	OHX	B1	3545	7/7	0.89	0.34	82,82,82,82	7
74	OHX	D1	3606	7/7	0.89	0.24	63,63,63,63	7
74	OHX	D3	210	7/7	0.89	0.22	74,74,74,74	7
74	OHX	D1	3527	7/7	0.89	0.19	146,146,146,146	7
74	OHX	D1	3622	7/7	0.89	0.30	142,142,142,142	7
74	OHX	D1	3495	7/7	0.89	0.17	160,160,160,160	7
74	OHX	C1	1991	7/7	0.89	0.28	77,77,77,77	7
74	OHX	D1	3484	7/7	0.89	0.22	116,116,116,116	7
74	OHX	D1	3625	7/7	0.89	0.24	100,100,100,100	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	D1	3577	7/7	0.89	0.25	198,198,198,198	7
74	OHX	A1	1997	7/7	0.89	0.39	100,100,100,100	7
74	OHX	B1	3557	7/7	0.90	0.49	46,46,46,46	7
74	OHX	D1	3475	7/7	0.90	0.34	142,142,142,142	7
74	OHX	B2	207	7/7	0.90	0.49	104,104,104,104	7
74	OHX	A1	1943	7/7	0.90	0.19	176,176,176,176	7
74	OHX	B1	3518	7/7	0.90	0.22	105,105,105,105	7
74	OHX	B1	3515	7/7	0.90	0.39	119,119,119,119	7
74	OHX	B1	3591	7/7	0.90	0.30	55,55,55,55	7
74	OHX	B1	3592	7/7	0.90	0.40	106,106,106,106	7
74	OHX	B1	3575	7/7	0.90	0.35	123,123,123,123	7
74	OHX	D1	3552	7/7	0.90	0.39	115,115,115,115	7
74	OHX	B1	3490	7/7	0.90	0.24	109,109,109,109	7
74	OHX	B1	3572	7/7	0.90	0.36	56,56,56,56	7
74	OHX	B1	3565	7/7	0.90	0.26	120,120,120,120	7
74	OHX	B1	3584	7/7	0.90	0.48	99,99,99,99	7
74	OHX	A1	1965	7/7	0.90	0.25	114,114,114,114	7
74	OHX	B2	205	7/7	0.90	0.18	159,159,159,159	7
74	OHX	A1	1989	7/7	0.90	0.26	70,70,70,70	7
74	OHX	D1	3499	7/7	0.90	0.24	114,114,114,114	7
74	OHX	A1	1963	7/7	0.90	0.34	137,137,137,137	7
74	OHX	D1	3595	7/7	0.90	0.35	90,90,90,90	7
74	OHX	D1	3617	7/7	0.90	0.26	50,50,50,50	7
74	OHX	C1	1965	7/7	0.90	0.42	101,101,101,101	7
74	OHX	D1	3466	7/7	0.90	0.22	103,103,103,103	7
74	OHX	D1	3559	7/7	0.90	0.21	116,116,116,116	7
74	OHX	C1	1939	7/7	0.90	0.28	103,103,103,103	7
74	OHX	B1	3530	7/7	0.90	0.31	138,138,138,138	7
74	OHX	D1	3531	7/7	0.90	0.32	136,136,136,136	7
74	OHX	D1	3620	7/7	0.90	0.27	78,78,78,78	7
74	OHX	A1	1947	7/7	0.90	0.30	143,143,143,143	7
74	OHX	D1	3508	7/7	0.90	0.22	88,88,88,88	7
74	OHX	D2	204	7/7	0.90	0.20	116,116,116,116	7
74	OHX	A1	1939	7/7	0.90	0.19	100,100,100,100	7
74	OHX	A1	1968	7/7	0.90	0.29	180,180,180,180	7
74	OHX	B1	3487	7/7	0.90	0.23	116,116,116,116	7
74	OHX	A1	1954	7/7	0.90	0.20	153,153,153,153	7
74	OHX	C1	1973	7/7	0.90	0.21	95,95,95,95	7
74	OHX	B1	3610	7/7	0.90	0.28	68,68,68,68	7
74	OHX	D1	3536	7/7	0.90	0.25	140,140,140,140	7
74	OHX	B1	3620	7/7	0.91	0.31	58,58,58,58	7
74	OHX	B1	3613	7/7	0.91	0.46	93,93,93,93	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	A1	1996	7/7	0.91	0.24	100,100,100,100	7
74	OHX	C1	1956	7/7	0.91	0.31	170,170,170,170	7
74	OHX	D1	3477	7/7	0.91	0.15	142,142,142,142	7
74	OHX	A1	1933	7/7	0.91	0.20	152,152,152,152	7
74	OHX	B1	3607	7/7	0.91	0.32	44,44,44,44	7
74	OHX	C1	2000	7/7	0.91	0.38	82,82,82,82	7
74	OHX	B1	3556	7/7	0.91	0.25	104,104,104,104	7
74	OHX	B1	3586	7/7	0.91	0.35	116,116,116,116	7
74	OHX	B1	3589	7/7	0.91	0.50	85,85,85,85	7
74	OHX	C1	1999	7/7	0.91	0.26	41,41,41,41	7
74	OHX	A1	1994	7/7	0.91	0.25	123,123,123,123	7
74	OHX	B1	3593	7/7	0.91	0.24	46,46,46,46	7
74	OHX	B1	3615	7/7	0.91	0.34	49,49,49,49	7
74	OHX	A1	1984	7/7	0.91	0.21	65,65,65,65	7
74	OHX	D1	3539	7/7	0.91	0.24	69,69,69,69	7
74	OHX	D1	3476	7/7	0.91	0.28	100,100,100,100	7
74	OHX	B1	3546	7/7	0.91	0.41	148,148,148,148	7
74	OHX	B1	3510	7/7	0.91	0.33	153,153,153,153	7
74	OHX	D1	3594	7/7	0.91	0.30	30,30,30,30	7
74	OHX	D1	3473	7/7	0.91	0.16	123,123,123,123	7
74	OHX	A1	1942	7/7	0.91	0.30	97,97,97,97	7
74	OHX	A1	1935	7/7	0.91	0.23	156,156,156,156	7
74	OHX	B1	3502	7/7	0.91	0.28	166,166,166,166	7
74	OHX	D1	3601	7/7	0.91	0.57	99,99,99,99	7
74	OHX	D1	3532	7/7	0.91	0.26	102,102,102,102	7
74	OHX	D1	3513	7/7	0.91	0.27	160,160,160,160	7
74	OHX	B1	3594	7/7	0.91	0.33	100,100,100,100	7
74	OHX	A1	1969	7/7	0.91	0.26	87,87,87,87	7
74	OHX	Dd	102	7/7	0.91	0.23	118,118,118,118	7
74	OHX	D1	3457	7/7	0.91	0.32	130,130,130,130	7
74	OHX	D1	3602	7/7	0.91	0.31	109,109,109,109	7
74	OHX	B1	3520	7/7	0.92	0.34	109,109,109,109	7
74	OHX	A1	1932	7/7	0.92	0.20	142,142,142,142	7
74	OHX	D1	3526	7/7	0.92	0.18	158,158,158,158	7
74	OHX	C1	1989	7/7	0.92	0.53	114,114,114,114	7
74	OHX	B3	209	7/7	0.92	0.30	99,99,99,99	7
74	OHX	D1	3568	7/7	0.92	0.35	92,92,92,92	7
74	OHX	D1	3562	7/7	0.92	0.18	121,121,121,121	7
74	OHX	C1	1977	7/7	0.92	0.26	102,102,102,102	7
74	OHX	C1	1982	7/7	0.92	0.27	106,106,106,106	7
74	OHX	C1	1947	7/7	0.92	0.28	70,70,70,70	7
74	OHX	B1	3612	7/7	0.92	0.28	45,45,45,45	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3507	7/7	0.92	0.26	104,104,104,104	7
74	OHX	A1	1938	7/7	0.92	0.19	155,155,155,155	7
74	OHX	D1	3621	7/7	0.92	0.25	67,67,67,67	7
74	OHX	D1	3554	7/7	0.92	0.26	122,122,122,122	7
74	OHX	B1	3617	7/7	0.92	0.38	90,90,90,90	7
74	OHX	A1	1977	7/7	0.92	0.30	119,119,119,119	7
74	OHX	D1	3516	7/7	0.92	0.33	138,138,138,138	7
74	OHX	D1	3471	7/7	0.92	0.28	260,260,260,260	7
74	OHX	C1	1997	7/7	0.92	0.24	36,36,36,36	7
74	OHX	D3	209	7/7	0.92	0.20	127,127,127,127	7
74	OHX	B1	3506	7/7	0.92	0.29	53,53,53,53	7
74	OHX	D1	3610	7/7	0.92	0.47	94,94,94,94	7
74	OHX	A1	1995	7/7	0.92	0.35	80,80,80,80	7
74	OHX	B1	3566	7/7	0.92	0.26	107,107,107,107	7
74	OHX	B1	3563	7/7	0.92	0.19	152,152,152,152	7
74	OHX	D1	3575	7/7	0.92	0.29	84,84,84,84	7
74	OHX	C1	1992	7/7	0.92	0.41	76,76,76,76	7
74	OHX	C1	1981	7/7	0.92	0.38	87,87,87,87	7
74	OHX	B1	3588	7/7	0.92	0.32	78,78,78,78	7
74	OHX	B1	3498	7/7	0.92	0.32	83,83,83,83	7
74	OHX	B1	3504	7/7	0.92	0.35	140,140,140,140	7
74	OHX	B1	3559	7/7	0.92	0.23	68,68,68,68	7
74	OHX	C1	1995	7/7	0.92	0.32	51,51,51,51	7
74	OHX	CT	401	7/7	0.92	0.23	117,117,117,117	7
74	OHX	C1	1971	7/7	0.92	0.29	131,131,131,131	7
74	OHX	D1	3505	7/7	0.92	0.36	160,160,160,160	7
74	OHX	C1	1994	7/7	0.92	0.29	47,47,47,47	7
74	OHX	D1	3482	7/7	0.92	0.21	107,107,107,107	7
74	OHX	A1	1981	7/7	0.92	0.26	128,128,128,128	7
74	OHX	B1	3604	7/7	0.92	0.30	53,53,53,53	7
74	OHX	B1	3611	7/7	0.92	0.33	68,68,68,68	7
74	OHX	D1	3519	7/7	0.92	0.37	111,111,111,111	7
74	OHX	B1	3525	7/7	0.92	0.25	54,54,54,54	7
74	OHX	A1	1952	7/7	0.92	0.32	110,110,110,110	7
74	OHX	D1	3469	7/7	0.92	0.23	152,152,152,152	7
74	OHX	A1	1971	7/7	0.92	0.21	94,94,94,94	7
74	OHX	C1	1996	7/7	0.92	0.43	86,86,86,86	7
74	OHX	D1	3588	7/7	0.92	0.24	336,336,336,336	7
74	OHX	D1	3598	7/7	0.92	0.28	65,65,65,65	7
74	OHX	A1	1940	7/7	0.93	0.34	166,166,166,166	7
74	OHX	B1	3609	7/7	0.93	0.35	80,80,80,80	7
74	OHX	D1	3547	7/7	0.93	0.19	64,64,64,64	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3550	7/7	0.93	0.19	137,137,137,137	7
74	OHX	D1	3534	7/7	0.93	0.41	142,142,142,142	7
74	OHX	D1	3467	7/7	0.93	0.28	129,129,129,129	7
74	OHX	B1	3517	7/7	0.93	0.30	111,111,111,111	7
74	OHX	B1	3576	7/7	0.93	0.21	86,86,86,86	7
74	OHX	D1	3545	7/7	0.93	0.42	77,77,77,77	7
74	OHX	D1	3498	7/7	0.93	0.28	103,103,103,103	7
74	OHX	B2	203	7/7	0.93	0.36	174,174,174,174	7
74	OHX	A1	1950	7/7	0.93	0.17	127,127,127,127	7
74	OHX	B1	3608	7/7	0.93	0.58	75,75,75,75	7
74	OHX	D1	3480	7/7	0.93	0.19	127,127,127,127	7
74	OHX	D2	207	7/7	0.93	0.22	111,111,111,111	7
74	OHX	D1	3483	7/7	0.93	0.23	98,98,98,98	7
74	OHX	B3	210	7/7	0.93	0.40	64,64,64,64	7
74	OHX	D2	202	7/7	0.93	0.25	106,106,106,106	7
74	OHX	B1	3476	7/7	0.93	0.20	102,102,102,102	7
74	OHX	A1	1924	7/7	0.93	0.21	150,150,150,150	7
74	OHX	C1	1942	7/7	0.93	0.20	112,112,112,112	7
74	OHX	B3	212	7/7	0.93	0.21	98,98,98,98	7
74	OHX	B1	3606	7/7	0.93	0.38	74,74,74,74	7
74	OHX	A1	1921	7/7	0.93	0.27	148,148,148,148	7
74	OHX	D1	3613	7/7	0.93	0.33	57,57,57,57	7
74	OHX	D1	3579	7/7	0.93	0.30	44,44,44,44	7
74	OHX	B1	3573	7/7	0.93	0.23	111,111,111,111	7
74	OHX	B1	3505	7/7	0.93	0.17	134,134,134,134	7
74	OHX	A1	1991	7/7	0.93	0.31	98,98,98,98	7
74	OHX	B1	3532	7/7	0.93	0.43	172,172,172,172	7
74	OHX	A1	1982	7/7	0.93	0.19	148,148,148,148	7
74	OHX	A1	1988	7/7	0.93	0.36	25,25,25,25	7
74	OHX	C1	1934	7/7	0.93	0.20	141,141,141,141	7
74	OHX	B1	3469	7/7	0.93	0.33	169,169,169,169	7
74	OHX	D1	3500	7/7	0.93	0.30	139,139,139,139	7
74	OHX	D1	3433	7/7	0.93	0.23	128,128,128,128	7
74	OHX	B1	3437	7/7	0.94	0.24	156,156,156,156	7
74	OHX	C1	1935	7/7	0.94	0.17	93,93,93,93	7
74	OHX	B1	3503	7/7	0.94	0.18	86,86,86,86	7
74	OHX	C1	1948	7/7	0.94	0.20	117,117,117,117	7
74	OHX	B1	3509	7/7	0.94	0.23	124,124,124,124	7
74	OHX	A1	1927	7/7	0.94	0.22	139,139,139,139	7
74	OHX	C1	1975	7/7	0.94	0.24	119,119,119,119	7
74	OHX	B1	3567	7/7	0.94	0.10	126,126,126,126	7
74	OHX	A1	1959	7/7	0.94	0.26	110,110,110,110	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3527	7/7	0.94	0.21	84,84,84,84	7
74	OHX	C1	1963	7/7	0.94	0.27	94,94,94,94	7
74	OHX	D1	3591	7/7	0.94	0.22	43,43,43,43	7
74	OHX	B1	3578	7/7	0.94	0.24	112,112,112,112	7
74	OHX	Bd	102	7/7	0.94	0.19	73,73,73,73	7
74	OHX	C1	1986	7/7	0.94	0.20	169,169,169,169	7
74	OHX	B1	3574	7/7	0.94	0.44	136,136,136,136	7
74	OHX	D2	203	7/7	0.94	0.25	94,94,94,94	7
74	OHX	D1	3514	7/7	0.94	0.30	173,173,173,173	7
74	OHX	D1	3489	7/7	0.94	0.32	75,75,75,75	7
74	OHX	A1	1944	7/7	0.94	0.21	108,108,108,108	7
74	OHX	C1	1933	7/7	0.94	0.21	111,111,111,111	7
74	OHX	A1	1980	7/7	0.94	0.19	136,136,136,136	7
74	OHX	A1	1973	7/7	0.94	0.28	101,101,101,101	7
74	OHX	A1	1948	7/7	0.94	0.27	106,106,106,106	7
74	OHX	B1	3470	7/7	0.94	0.19	122,122,122,122	7
74	OHX	B1	3543	7/7	0.94	0.15	102,102,102,102	7
74	OHX	D1	3567	7/7	0.94	0.14	106,106,106,106	7
74	OHX	A1	1987	7/7	0.94	0.23	72,72,72,72	7
74	OHX	D1	3528	7/7	0.94	0.35	96,96,96,96	7
74	OHX	B1	3549	7/7	0.94	0.30	86,86,86,86	7
74	OHX	B1	3524	7/7	0.94	0.24	97,97,97,97	7
74	OHX	D1	3501	7/7	0.94	0.17	102,102,102,102	7
74	OHX	D1	3581	7/7	0.94	0.26	60,60,60,60	7
74	OHX	B1	3491	7/7	0.94	0.31	99,99,99,99	7
74	OHX	B3	208	7/7	0.94	0.19	79,79,79,79	7
74	OHX	A1	1922	7/7	0.94	0.24	133,133,133,133	7
74	OHX	DO	302	7/7	0.94	0.24	77,77,77,77	7
74	OHX	D1	3493	7/7	0.94	0.17	126,126,126,126	7
74	OHX	B1	3598	7/7	0.94	0.22	100,100,100,100	7
74	OHX	A1	1941	7/7	0.94	0.19	124,124,124,124	7
74	OHX	B1	3569	7/7	0.94	0.18	95,95,95,95	7
74	OHX	C1	1919	7/7	0.94	0.26	159,159,159,159	7
74	OHX	D3	207	7/7	0.94	0.23	123,123,123,123	7
74	OHX	D1	3604	7/7	0.94	0.14	44,44,44,44	7
74	OHX	D2	205	7/7	0.94	0.22	84,84,84,84	7
74	OHX	B1	3521	7/7	0.94	0.25	107,107,107,107	7
74	OHX	D1	3510	7/7	0.94	0.23	108,108,108,108	7
74	OHX	C1	1949	7/7	0.94	0.19	97,97,97,97	7
74	OHX	D1	3614	7/7	0.94	0.49	83,83,83,83	7
74	OHX	B1	3585	7/7	0.94	0.29	197,197,197,197	7
74	OHX	B1	3497	7/7	0.94	0.24	103,103,103,103	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3438	7/7	0.94	0.17	168,168,168,168	7
74	OHX	D1	3454	7/7	0.94	0.19	117,117,117,117	7
74	OHX	A1	1949	7/7	0.94	0.20	101,101,101,101	7
74	OHX	BC	401	7/7	0.94	0.21	66,66,66,66	7
74	OHX	C1	1984	7/7	0.94	0.27	78,78,78,78	7
74	OHX	B1	3547	7/7	0.94	0.28	117,117,117,117	7
74	OHX	D1	3538	7/7	0.94	0.25	87,87,87,87	7
74	OHX	B1	3558	7/7	0.94	0.21	130,130,130,130	7
74	OHX	B1	3582	7/7	0.94	0.27	83,83,83,83	7
74	OHX	AT	401	7/7	0.94	0.36	207,207,207,207	7
74	OHX	B1	3619	7/7	0.94	0.22	85,85,85,85	7
74	OHX	B1	3488	7/7	0.94	0.18	104,104,104,104	7
74	OHX	A1	2001	7/7	0.95	0.24	26,26,26,26	7
74	OHX	B1	3531	7/7	0.95	0.30	65,65,65,65	7
74	OHX	D1	3496	7/7	0.95	0.27	155,155,155,155	7
74	OHX	A1	1926	7/7	0.95	0.24	87,87,87,87	7
74	OHX	D1	3537	7/7	0.95	0.23	74,74,74,74	7
74	OHX	D1	3504	7/7	0.95	0.16	101,101,101,101	7
74	OHX	B1	3481	7/7	0.95	0.23	133,133,133,133	7
74	OHX	C1	1931	7/7	0.95	0.19	130,130,130,130	7
74	OHX	C1	1946	7/7	0.95	0.22	63,63,63,63	7
74	OHX	B1	3513	7/7	0.95	0.23	171,171,171,171	7
74	OHX	D1	3561	7/7	0.95	0.21	65,65,65,65	7
74	OHX	B1	3484	7/7	0.95	0.25	143,143,143,143	7
74	OHX	B1	3596	7/7	0.95	0.33	56,56,56,56	7
74	OHX	B1	3457	7/7	0.95	0.23	147,147,147,147	7
74	OHX	D1	3512	7/7	0.95	0.20	108,108,108,108	7
74	OHX	B3	203	7/7	0.95	0.21	140,140,140,140	7
74	OHX	B1	3553	7/7	0.95	0.19	66,66,66,66	7
74	OHX	A1	1915	7/7	0.95	0.18	129,129,129,129	7
74	OHX	D1	3494	7/7	0.95	0.25	105,105,105,105	7
74	OHX	A1	1960	7/7	0.95	0.38	70,70,70,70	7
74	OHX	B1	3446	7/7	0.95	0.23	113,113,113,113	7
74	OHX	B1	3465	7/7	0.95	0.17	142,142,142,142	7
74	OHX	B1	3522	7/7	0.95	0.16	129,129,129,129	7
74	OHX	B1	3528	7/7	0.95	0.37	158,158,158,158	7
74	OHX	D1	3517	7/7	0.95	0.29	126,126,126,126	7
74	OHX	B3	207	7/7	0.95	0.18	68,68,68,68	7
74	OHX	D1	3472	7/7	0.95	0.21	185,185,185,185	7
74	OHX	CI	201	7/7	0.95	0.31	143,143,143,143	7
74	OHX	C1	1983	7/7	0.95	0.19	59,59,59,59	7
74	OHX	B1	3448	7/7	0.95	0.19	124,124,124,124	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	C1	1932	7/7	0.95	0.18	115,115,115,115	7
74	OHX	D1	3544	7/7	0.95	0.43	127,127,127,127	7
74	OHX	C1	1951	7/7	0.95	0.15	152,152,152,152	7
74	OHX	D1	3607	7/7	0.95	0.29	78,78,78,78	7
74	OHX	A1	1937	7/7	0.95	0.15	158,158,158,158	7
74	OHX	D1	3619	7/7	0.95	0.21	86,86,86,86	7
74	OHX	AL	201	7/7	0.95	0.20	122,122,122,122	7
74	OHX	D1	3523	7/7	0.95	0.19	106,106,106,106	7
74	OHX	D1	3603	7/7	0.95	0.43	114,114,114,114	7
74	OHX	D1	3615	7/7	0.95	0.27	73,73,73,73	7
74	OHX	B1	3587	7/7	0.95	0.15	154,154,154,154	7
74	OHX	C1	1955	7/7	0.95	0.20	106,106,106,106	7
74	OHX	D1	3530	7/7	0.95	0.19	51,51,51,51	7
74	OHX	A1	1934	7/7	0.95	0.25	122,122,122,122	7
74	OHX	C1	1910	7/7	0.95	0.20	138,138,138,138	7
74	OHX	D1	3576	7/7	0.95	0.21	76,76,76,76	7
74	OHX	A1	1919	7/7	0.95	0.25	141,141,141,141	7
74	OHX	C1	1930	7/7	0.95	0.17	112,112,112,112	7
74	OHX	D1	3549	7/7	0.95	0.27	127,127,127,127	7
74	OHX	A1	1936	7/7	0.95	0.20	129,129,129,129	7
74	OHX	B2	202	7/7	0.95	0.19	106,106,106,106	7
74	OHX	D1	3459	7/7	0.95	0.21	96,96,96,96	7
74	OHX	B1	3459	7/7	0.95	0.16	160,160,160,160	7
74	OHX	B1	3616	7/7	0.95	0.28	103,103,103,103	7
74	OHX	D1	3533	7/7	0.95	0.27	92,92,92,92	7
74	OHX	C1	1944	7/7	0.95	0.12	134,134,134,134	7
74	OHX	B1	3494	7/7	0.95	0.18	118,118,118,118	7
74	OHX	D1	3468	7/7	0.95	0.26	130,130,130,130	7
74	OHX	D1	3511	7/7	0.95	0.28	85,85,85,85	7
74	OHX	B1	3473	7/7	0.95	0.17	91,91,91,91	7
74	OHX	C1	1926	7/7	0.95	0.21	96,96,96,96	7
74	OHX	A1	1972	7/7	0.96	0.17	87,87,87,87	7
74	OHX	C1	2001	7/7	0.96	0.25	130,130,130,130	7
74	OHX	A1	1917	7/7	0.96	0.14	130,130,130,130	7
74	OHX	Dg	101	7/7	0.96	0.16	69,69,69,69	7
74	OHX	B1	3570	7/7	0.96	0.28	91,91,91,91	7
74	OHX	B1	3486	7/7	0.96	0.22	104,104,104,104	7
74	OHX	B1	3479	7/7	0.96	0.35	145,145,145,145	7
74	OHX	D1	3574	7/7	0.96	0.19	114,114,114,114	7
74	OHX	B1	3456	7/7	0.96	0.25	106,106,106,106	7
74	OHX	A1	1928	7/7	0.96	0.15	99,99,99,99	7
74	OHX	C1	1927	7/7	0.96	0.14	149,149,149,149	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	D1	3463	7/7	0.96	0.18	140,140,140,140	7
74	OHX	D1	3478	7/7	0.96	0.17	117,117,117,117	7
74	OHX	C1	1916	7/7	0.96	0.23	169,169,169,169	7
74	OHX	A1	1986	7/7	0.96	0.18	98,98,98,98	7
74	OHX	B1	3462	7/7	0.96	0.21	90,90,90,90	7
74	OHX	C1	1941	7/7	0.96	0.18	109,109,109,109	7
74	OHX	D1	3486	7/7	0.96	0.24	143,143,143,143	7
74	OHX	B1	3461	7/7	0.96	0.19	101,101,101,101	7
74	OHX	D1	3464	7/7	0.96	0.18	92,92,92,92	7
74	OHX	D1	3520	7/7	0.96	0.18	109,109,109,109	7
74	OHX	B1	3463	7/7	0.96	0.16	137,137,137,137	7
74	OHX	A1	1920	7/7	0.96	0.15	126,126,126,126	7
74	OHX	A1	1957	7/7	0.96	0.18	129,129,129,129	7
74	OHX	C1	1913	7/7	0.96	0.22	149,149,149,149	7
74	OHX	B1	3455	7/7	0.96	0.20	134,134,134,134	7
74	OHX	D1	3497	7/7	0.96	0.37	99,99,99,99	7
74	OHX	B1	3605	7/7	0.96	0.26	52,52,52,52	7
74	OHX	B1	3501	7/7	0.96	0.31	99,99,99,99	7
74	OHX	B1	3495	7/7	0.96	0.31	108,108,108,108	7
74	OHX	DC	401	7/7	0.96	0.23	93,93,93,93	7
74	OHX	C1	1943	7/7	0.96	0.15	141,141,141,141	7
74	OHX	A1	1910	7/7	0.96	0.15	146,146,146,146	7
74	OHX	D1	3518	7/7	0.96	0.21	108,108,108,108	7
74	OHX	D1	3458	7/7	0.96	0.17	103,103,103,103	7
74	OHX	C1	1937	7/7	0.96	0.17	124,124,124,124	7
74	OHX	D1	3540	7/7	0.96	0.20	85,85,85,85	7
74	OHX	B1	3439	7/7	0.96	0.24	90,90,90,90	7
74	OHX	A1	1979	7/7	0.96	0.19	81,81,81,81	7
74	OHX	D1	3491	7/7	0.96	0.25	37,37,37,37	7
74	OHX	B1	3564	7/7	0.96	0.25	126,126,126,126	7
74	OHX	C1	1936	7/7	0.96	0.34	126,126,126,126	7
74	OHX	D1	3592	7/7	0.96	0.23	118,118,118,118	7
74	OHX	A1	1992	7/7	0.96	0.43	45,45,45,45	7
74	OHX	A1	1914	7/7	0.96	0.21	145,145,145,145	7
74	OHX	A1	1945	7/7	0.96	0.18	108,108,108,108	7
74	OHX	C1	1961	7/7	0.96	0.18	101,101,101,101	7
74	OHX	B1	3537	7/7	0.96	0.21	56,56,56,56	7
74	OHX	A1	1929	7/7	0.96	0.14	114,114,114,114	7
74	OHX	D1	3462	7/7	0.96	0.16	114,114,114,114	7
74	OHX	B1	3500	7/7	0.96	0.15	116,116,116,116	7
74	OHX	B1	3431	7/7	0.96	0.19	125,125,125,125	7
74	OHX	B1	3536	7/7	0.96	0.28	324,324,324,324	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3542	7/7	0.96	0.38	64,64,64,64	7
74	OHX	D1	3584	7/7	0.96	0.27	47,47,47,47	7
74	OHX	D1	3560	7/7	0.96	0.23	82,82,82,82	7
74	OHX	C1	1940	7/7	0.96	0.25	139,139,139,139	7
74	OHX	B1	3551	7/7	0.96	0.43	84,84,84,84	7
74	OHX	D1	3623	7/7	0.96	0.33	23,23,23,23	7
74	OHX	A1	1908	7/7	0.96	0.24	96,96,96,96	7
74	OHX	D1	3612	7/7	0.96	0.23	36,36,36,36	7
74	OHX	B1	3512	7/7	0.96	0.22	113,113,113,113	7
74	OHX	D1	3461	7/7	0.96	0.18	128,128,128,128	7
74	OHX	B1	3425	7/7	0.96	0.18	108,108,108,108	7
74	OHX	D1	3570	7/7	0.96	0.30	49,49,49,49	7
74	OHX	B1	3618	7/7	0.96	0.24	109,109,109,109	7
74	OHX	B1	3590	7/7	0.96	0.21	69,69,69,69	7
74	OHX	C1	1960	7/7	0.96	0.13	111,111,111,111	7
74	OHX	B3	205	7/7	0.96	0.14	123,123,123,123	7
74	OHX	B1	3516	7/7	0.96	0.21	136,136,136,136	7
74	OHX	C1	1923	7/7	0.96	0.23	123,123,123,123	7
74	OHX	B1	3472	7/7	0.96	0.25	132,132,132,132	7
74	OHX	A1	1923	7/7	0.96	0.17	98,98,98,98	7
74	OHX	C1	1908	7/7	0.97	0.15	104,104,104,104	7
74	OHX	D1	3435	7/7	0.97	0.18	92,92,92,92	7
74	OHX	D3	203	7/7	0.97	0.17	86,86,86,86	7
74	OHX	B1	3454	7/7	0.97	0.33	123,123,123,123	7
74	OHX	D1	3571	7/7	0.97	0.17	77,77,77,77	7
74	OHX	B1	3519	7/7	0.97	0.28	115,115,115,115	7
74	OHX	B1	3468	7/7	0.97	0.28	89,89,89,89	7
74	OHX	B1	3508	7/7	0.97	0.25	113,113,113,113	7
74	OHX	B1	3489	7/7	0.97	0.11	129,129,129,129	7
74	OHX	C1	1905	7/7	0.97	0.13	114,114,114,114	7
74	OHX	A1	1976	7/7	0.97	0.19	51,51,51,51	7
74	OHX	A1	1918	7/7	0.97	0.18	94,94,94,94	7
74	OHX	B1	3475	7/7	0.97	0.20	84,84,84,84	7
74	OHX	B1	3480	7/7	0.97	0.18	85,85,85,85	7
74	OHX	B1	3436	7/7	0.97	0.17	104,104,104,104	7
74	OHX	C1	1924	7/7	0.97	0.14	82,82,82,82	7
74	OHX	B1	3426	7/7	0.97	0.17	111,111,111,111	7
74	OHX	B1	3478	7/7	0.97	0.14	110,110,110,110	7
74	OHX	B1	3453	7/7	0.97	0.24	127,127,127,127	7
74	OHX	D1	3451	7/7	0.97	0.22	112,112,112,112	7
74	OHX	D1	3487	7/7	0.97	0.24	103,103,103,103	7
74	OHX	C1	1922	7/7	0.97	0.18	142,142,142,142	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3485	7/7	0.97	0.23	110,110,110,110	7
74	OHX	D1	3447	7/7	0.97	0.20	142,142,142,142	7
74	OHX	D1	3479	7/7	0.97	0.24	99,99,99,99	7
74	OHX	D1	3543	7/7	0.97	0.19	45,45,45,45	7
74	OHX	D1	3502	7/7	0.97	0.14	79,79,79,79	7
74	OHX	D1	3406	7/7	0.97	0.13	107,107,107,107	0
74	OHX	C1	1921	7/7	0.97	0.09	145,145,145,145	7
74	OHX	B1	3429	7/7	0.97	0.17	93,93,93,93	7
74	OHX	A1	1961	7/7	0.97	0.10	105,105,105,105	7
74	OHX	D1	3470	7/7	0.97	0.15	84,84,84,84	7
74	OHX	CS	101	7/7	0.97	0.18	46,46,46,46	7
74	OHX	B1	3496	7/7	0.97	0.15	122,122,122,122	7
74	OHX	C1	1909	7/7	0.97	0.14	130,130,130,130	7
74	OHX	D1	3465	7/7	0.97	0.16	101,101,101,101	7
74	OHX	B1	3443	7/7	0.97	0.21	134,134,134,134	7
74	OHX	D3	204	7/7	0.97	0.19	120,120,120,120	7
74	OHX	A1	1956	7/7	0.97	0.12	159,159,159,159	7
74	OHX	C1	1915	7/7	0.97	0.21	120,120,120,120	7
74	OHX	A1	1906	7/7	0.97	0.15	97,97,97,97	7
74	OHX	C1	1928	7/7	0.97	0.17	165,165,165,165	7
74	OHX	D1	3439	7/7	0.97	0.23	107,107,107,107	7
74	OHX	A1	1911	7/7	0.97	0.20	112,112,112,112	7
74	OHX	B1	3433	7/7	0.97	0.19	98,98,98,98	7
74	OHX	A1	1975	7/7	0.97	0.17	67,67,67,67	7
74	OHX	D1	3416	7/7	0.97	0.16	108,108,108,108	7
74	OHX	B1	3482	7/7	0.97	0.19	111,111,111,111	7
74	OHX	D1	3565	7/7	0.97	0.23	60,60,60,60	7
74	OHX	D1	3443	7/7	0.97	0.16	96,96,96,96	7
74	OHX	D1	3425	7/7	0.97	0.16	126,126,126,126	7
74	OHX	B1	3430	7/7	0.97	0.14	99,99,99,99	7
74	OHX	D1	3413	7/7	0.97	0.23	114,114,114,114	7
74	OHX	A1	1912	7/7	0.97	0.16	125,125,125,125	7
74	OHX	A1	1967	7/7	0.97	0.30	96,96,96,96	7
74	OHX	D1	3453	7/7	0.97	0.24	124,124,124,124	7
74	OHX	B1	3444	7/7	0.97	0.15	111,111,111,111	7
74	OHX	B1	3449	7/7	0.97	0.18	105,105,105,105	7
74	OHX	A1	1905	7/7	0.97	0.17	118,118,118,118	0
74	OHX	A1	1916	7/7	0.97	0.14	91,91,91,91	7
74	OHX	D3	212	7/7	0.97	0.27	71,71,71,71	7
74	OHX	D2	206	7/7	0.97	0.16	85,85,85,85	7
74	OHX	B1	3451	7/7	0.97	0.17	86,86,86,86	7
74	OHX	B1	3492	7/7	0.97	0.14	70,70,70,70	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	A1	1909	7/7	0.97	0.16	115,115,115,115	7
74	OHX	C1	1912	7/7	0.97	0.15	117,117,117,117	7
74	OHX	D1	3608	7/7	0.97	0.23	14,14,14,14	7
74	OHX	B1	3410	7/7	0.97	0.19	111,111,111,111	0
74	OHX	B1	3483	7/7	0.97	0.28	71,71,71,71	7
74	OHX	B1	3499	7/7	0.97	0.16	123,123,123,123	7
74	OHX	D1	3448	7/7	0.97	0.21	107,107,107,107	7
74	OHX	D1	3474	7/7	0.97	0.30	118,118,118,118	7
74	OHX	B1	3467	7/7	0.97	0.15	119,119,119,119	7
74	OHX	B1	3403	7/7	0.98	0.25	126,126,126,126	0
74	OHX	B1	3471	7/7	0.98	0.11	130,130,130,130	7
74	OHX	D1	3418	7/7	0.98	0.22	103,103,103,103	0
74	OHX	D1	3445	7/7	0.98	0.20	101,101,101,101	7
74	OHX	B1	3414	7/7	0.98	0.14	106,106,106,106	0
74	OHX	C1	1929	7/7	0.98	0.19	90,90,90,90	7
74	OHX	B1	3452	7/7	0.98	0.19	134,134,134,134	7
74	OHX	B2	201	7/7	0.98	0.10	141,141,141,141	7
74	OHX	D1	3419	7/7	0.98	0.17	92,92,92,92	0
74	OHX	D1	3582	7/7	0.98	0.13	71,71,71,71	7
74	OHX	B1	3435	7/7	0.98	0.28	130,130,130,130	7
74	OHX	B1	3466	7/7	0.98	0.17	120,120,120,120	7
74	OHX	B1	3409	7/7	0.98	0.18	122,122,122,122	0
74	OHX	B1	3418	7/7	0.98	0.16	106,106,106,106	0
74	OHX	D1	3424	7/7	0.98	0.13	125,125,125,125	7
74	OHX	D1	3442	7/7	0.98	0.16	126,126,126,126	7
74	OHX	B1	3427	7/7	0.98	0.21	95,95,95,95	7
74	OHX	D1	3440	7/7	0.98	0.18	137,137,137,137	7
74	OHX	D1	3421	7/7	0.98	0.15	98,98,98,98	7
74	OHX	D1	3492	7/7	0.98	0.16	112,112,112,112	7
74	OHX	D1	3417	7/7	0.98	0.23	91,91,91,91	7
74	OHX	B1	3458	7/7	0.98	0.29	114,114,114,114	7
74	OHX	C1	1903	7/7	0.98	0.17	115,115,115,115	0
74	OHX	Ac	100	7/7	0.98	0.29	131,131,131,131	7
74	OHX	C1	1953	7/7	0.98	0.13	56,56,56,56	7
74	OHX	D1	3422	7/7	0.98	0.18	114,114,114,114	7
74	OHX	C1	1920	7/7	0.98	0.19	103,103,103,103	7
74	OHX	B1	3428	7/7	0.98	0.15	109,109,109,109	7
74	OHX	B1	3432	7/7	0.98	0.19	79,79,79,79	7
74	OHX	A1	1907	7/7	0.98	0.22	111,111,111,111	7
74	OHX	B3	211	7/7	0.98	0.16	67,67,67,67	7
74	OHX	D1	3409	7/7	0.98	0.17	114,114,114,114	0
74	OHX	A1	1904	7/7	0.98	0.17	137,137,137,137	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	D1	3427	7/7	0.98	0.16	90,90,90,90	7
74	OHX	B1	3419	7/7	0.98	0.17	109,109,109,109	7
74	OHX	D1	3430	7/7	0.98	0.15	101,101,101,101	7
74	OHX	D1	3402	7/7	0.98	0.24	100,100,100,100	0
74	OHX	D1	3405	7/7	0.98	0.20	110,110,110,110	0
74	OHX	D1	3431	7/7	0.98	0.13	109,109,109,109	7
74	OHX	D1	3450	7/7	0.98	0.21	112,112,112,112	7
74	OHX	B1	3404	7/7	0.98	0.15	114,114,114,114	0
74	OHX	A1	1913	7/7	0.98	0.11	135,135,135,135	7
74	OHX	D1	3456	7/7	0.98	0.20	131,131,131,131	7
74	OHX	B1	3417	7/7	0.98	0.12	102,102,102,102	0
74	OHX	D1	3432	7/7	0.98	0.18	100,100,100,100	7
74	OHX	C1	1925	7/7	0.98	0.12	116,116,116,116	7
74	OHX	D1	3446	7/7	0.98	0.15	83,83,83,83	7
74	OHX	B1	3460	7/7	0.98	0.16	137,137,137,137	7
74	OHX	D1	3429	7/7	0.98	0.21	82,82,82,82	7
74	OHX	D1	3408	7/7	0.98	0.12	143,143,143,143	0
74	OHX	B1	3477	7/7	0.98	0.19	101,101,101,101	7
74	OHX	D1	3452	7/7	0.98	0.09	94,94,94,94	7
74	OHX	C1	1914	7/7	0.98	0.12	128,128,128,128	7
74	OHX	B1	3411	7/7	0.98	0.15	105,105,105,105	0
74	OHX	Bg	101	7/7	0.98	0.17	79,79,79,79	7
74	OHX	A1	1931	7/7	0.98	0.14	96,96,96,96	7
74	OHX	D1	3401	7/7	0.98	0.24	96,96,96,96	0
74	OHX	B1	3407	7/7	0.98	0.14	105,105,105,105	0
74	OHX	B1	3440	7/7	0.98	0.19	105,105,105,105	7
74	OHX	D1	3411	7/7	0.98	0.16	117,117,117,117	0
74	OHX	D1	3441	7/7	0.98	0.20	124,124,124,124	7
74	OHX	B1	3441	7/7	0.98	0.20	129,129,129,129	7
74	OHX	B1	3402	7/7	0.98	0.18	99,99,99,99	0
74	OHX	B3	202	7/7	0.98	0.15	116,116,116,116	0
74	OHX	C1	1904	7/7	0.98	0.16	113,113,113,113	0
74	OHX	B1	3406	7/7	0.98	0.22	106,106,106,106	0
74	OHX	B3	201	7/7	0.99	0.19	117,117,117,117	0
74	OHX	B3	204	7/7	0.99	0.15	84,84,84,84	7
74	OHX	C1	1902	7/7	0.99	0.22	108,108,108,108	0
74	OHX	C1	1964	7/7	0.99	0.15	88,88,88,88	7
74	OHX	D1	3420	7/7	0.99	0.11	112,112,112,112	0
74	OHX	D1	3404	7/7	0.99	0.21	99,99,99,99	0
74	OHX	B1	3540	7/7	0.99	0.18	58,58,58,58	7
74	OHX	B1	3450	7/7	0.99	0.12	91,91,91,91	7
74	OHX	D1	3407	7/7	0.99	0.13	113,113,113,113	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	C1	1918	7/7	0.99	0.14	123,123,123,123	7
74	OHX	AS	101	7/7	0.99	0.14	29,29,29,29	7
74	OHX	B1	3401	7/7	0.99	0.22	90,90,90,90	0
74	OHX	D1	3414	7/7	0.99	0.11	114,114,114,114	0
74	OHX	A1	1902	7/7	0.99	0.14	112,112,112,112	0
74	OHX	D1	3436	7/7	0.99	0.19	125,125,125,125	7
74	OHX	B1	3413	7/7	0.99	0.12	106,106,106,106	7
74	OHX	D1	3415	7/7	0.99	0.11	139,139,139,139	0
74	OHX	B1	3408	7/7	0.99	0.20	98,98,98,98	0
74	OHX	B1	3424	7/7	0.99	0.14	105,105,105,105	7
74	OHX	A1	1903	7/7	0.99	0.12	122,122,122,122	7
74	OHX	D3	202	7/7	0.99	0.13	116,116,116,116	0
74	OHX	B1	3423	7/7	0.99	0.21	91,91,91,91	7
74	OHX	B1	3447	7/7	0.99	0.16	126,126,126,126	7
74	OHX	BT	201	7/7	0.99	0.15	91,91,91,91	7
74	OHX	B1	3416	7/7	0.99	0.18	113,113,113,113	0
74	OHX	B1	3442	7/7	0.99	0.17	89,89,89,89	7
74	OHX	B1	3434	7/7	0.99	0.17	102,102,102,102	7
74	OHX	D1	3434	7/7	0.99	0.13	77,77,77,77	7
74	OHX	D1	3403	7/7	0.99	0.21	96,96,96,96	0
74	OHX	B1	3412	7/7	0.99	0.14	121,121,121,121	0
74	OHX	D1	3428	7/7	0.99	0.15	80,80,80,80	7
74	OHX	D1	3444	7/7	0.99	0.18	72,72,72,72	7
74	OHX	Dd	101	7/7	0.99	0.15	32,32,32,32	7
74	OHX	Bd	101	7/7	0.99	0.19	32,32,32,32	7
74	OHX	C1	1911	7/7	0.99	0.13	96,96,96,96	7
74	OHX	C1	1906	7/7	0.99	0.17	101,101,101,101	7
74	OHX	D3	201	7/7	0.99	0.14	93,93,93,93	0
74	OHX	C1	1907	7/7	0.99	0.14	123,123,123,123	7
74	OHX	DT	201	7/7	0.99	0.18	100,100,100,100	0
74	OHX	B1	3415	7/7	0.99	0.14	93,93,93,93	7
74	OHX	B1	3421	7/7	0.99	0.18	141,141,141,141	0
74	OHX	D1	3426	7/7	0.99	0.17	112,112,112,112	7
74	OHX	D1	3438	7/7	0.99	0.12	98,98,98,98	7
74	OHX	C1	1917	7/7	0.99	0.15	130,130,130,130	7
74	OHX	D1	3412	7/7	0.99	0.18	126,126,126,126	0
74	OHX	D2	201	7/7	0.99	0.13	94,94,94,94	7
74	OHX	C1	1901	7/7	0.99	0.16	100,100,100,100	0
74	OHX	D1	3437	7/7	0.99	0.24	103,103,103,103	7
74	OHX	D1	3455	7/7	0.99	0.13	110,110,110,110	7
74	OHX	B1	3405	7/7	0.99	0.18	101,101,101,101	0
74	OHX	A1	1901	7/7	0.99	0.15	100,100,100,100	0

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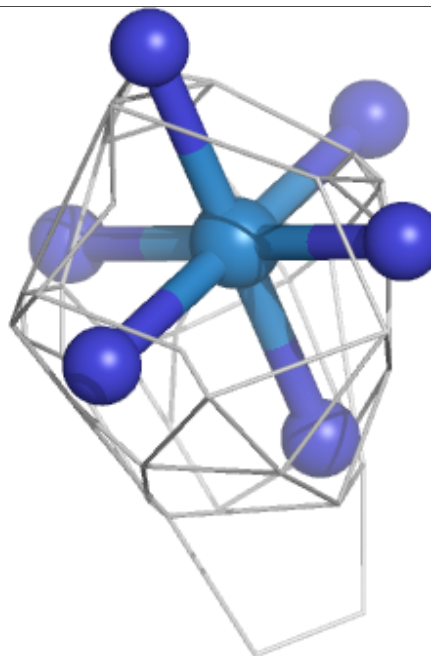
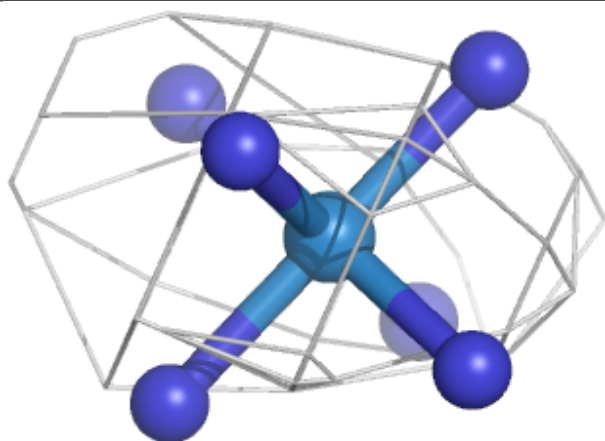
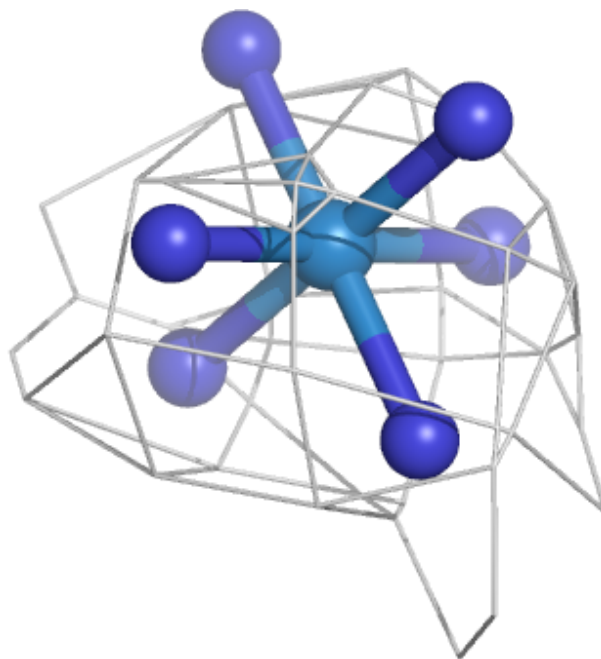
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
74	OHX	B1	3420	7/7	0.99	0.19	93,93,93,93	7
74	OHX	D1	3410	7/7	0.99	0.21	96,96,96,96	0
74	OHX	B1	3422	7/7	0.99	0.12	93,93,93,93	7
74	OHX	D1	3449	7/7	0.99	0.27	124,124,124,124	7
74	OHX	B1	3445	7/7	0.99	0.12	113,113,113,113	7
74	OHX	D1	3423	7/7	0.99	0.12	88,88,88,88	7
74	OHX	B1	3464	7/7	0.99	0.17	89,89,89,89	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.

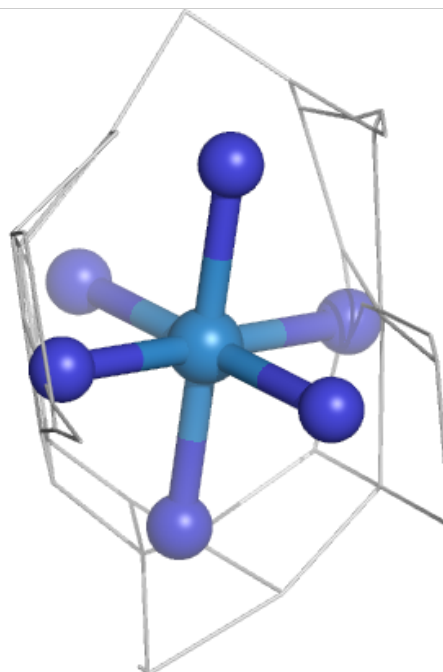
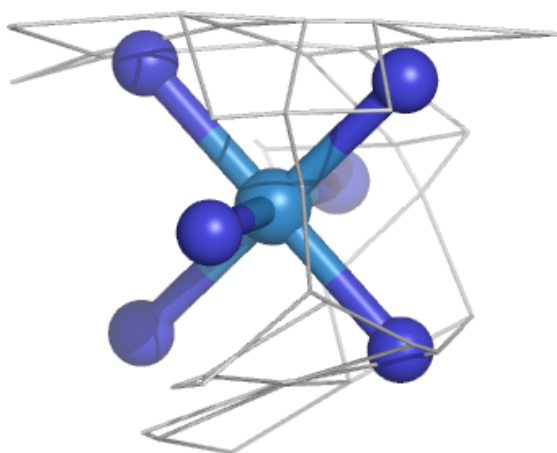
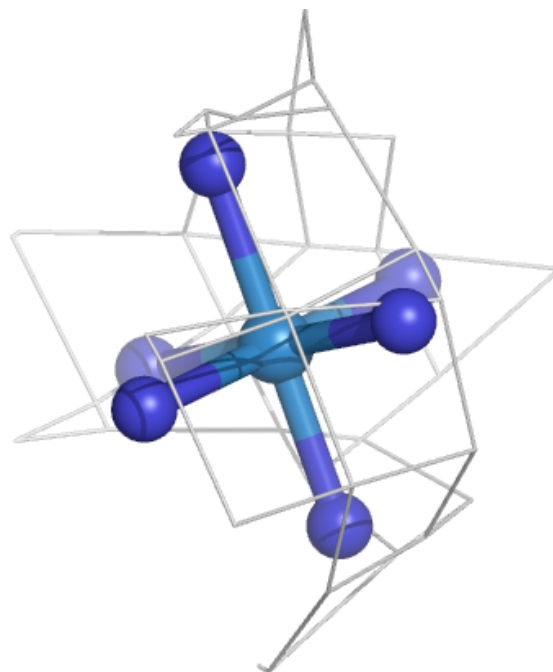
Electron density around OHX D1 3593:

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



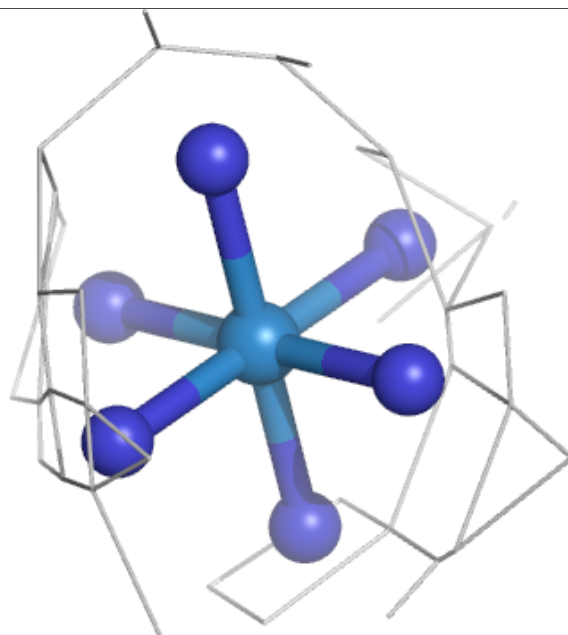
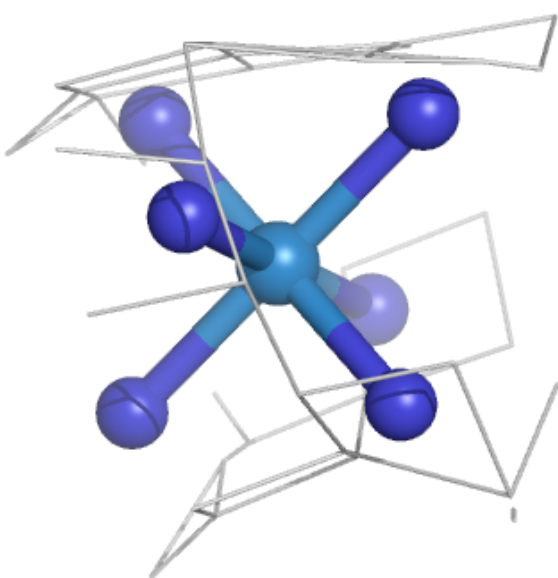
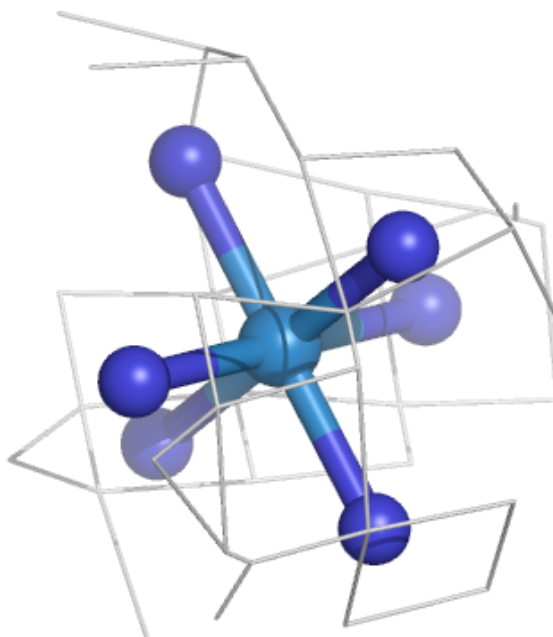
Electron density around OHX D3 211:

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



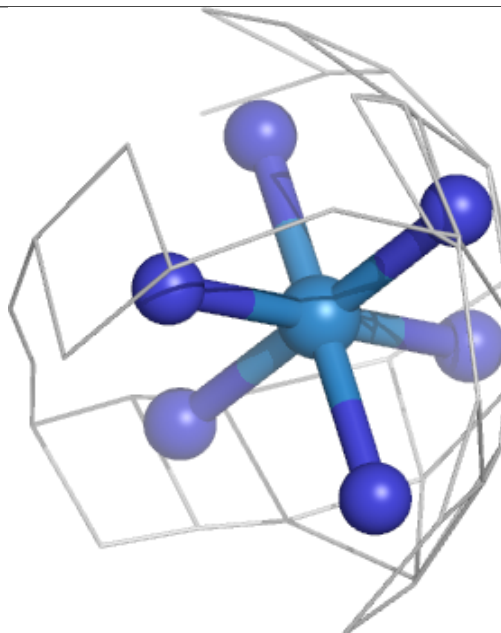
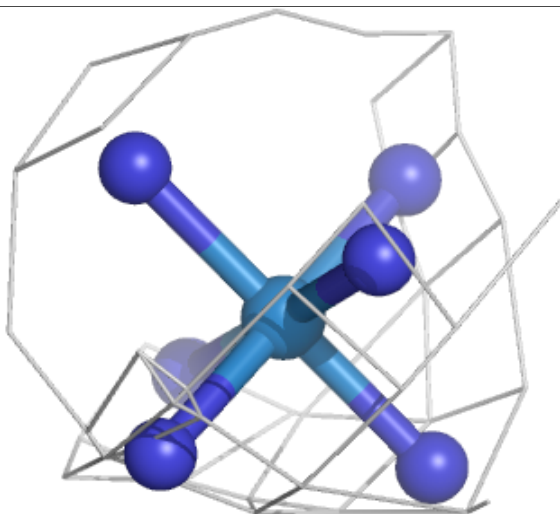
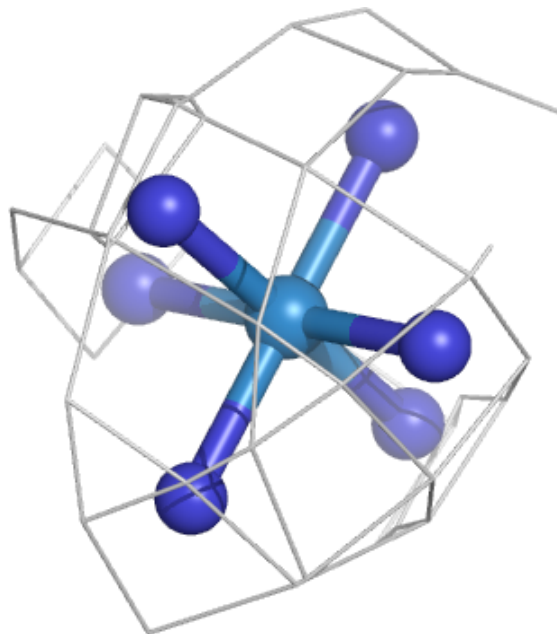
Electron density around OHX A1 1930:

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



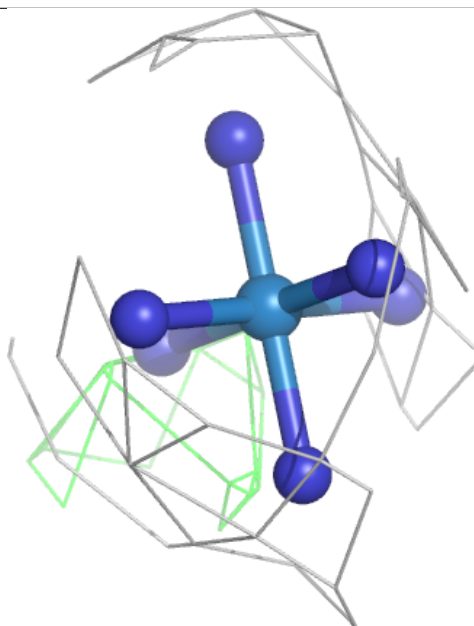
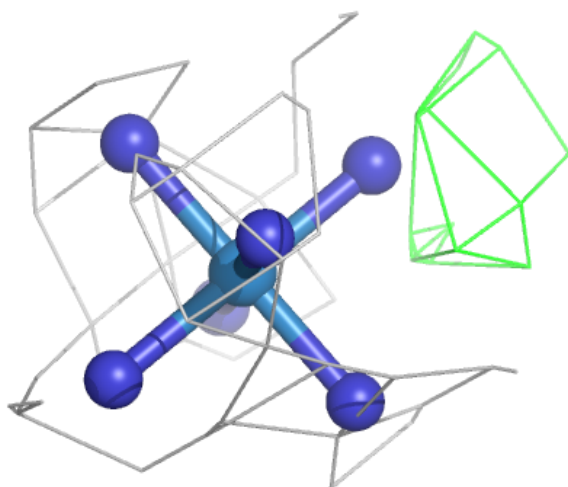
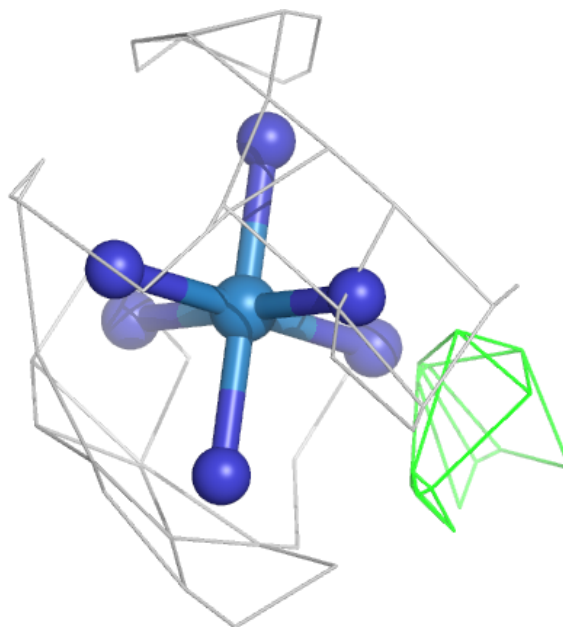
Electron density around OHX B1 3602:

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



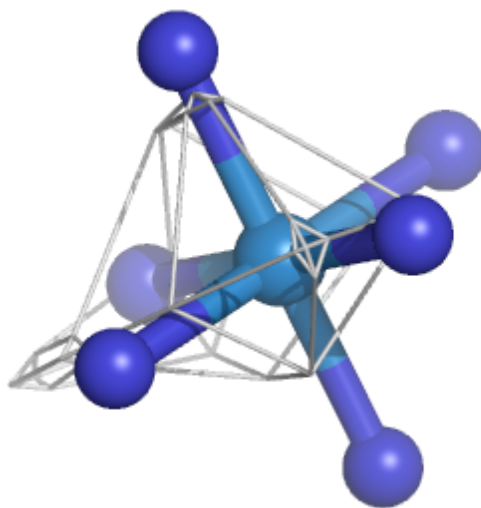
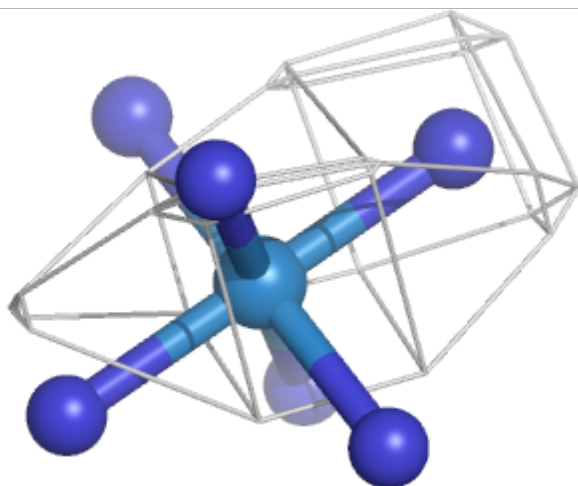
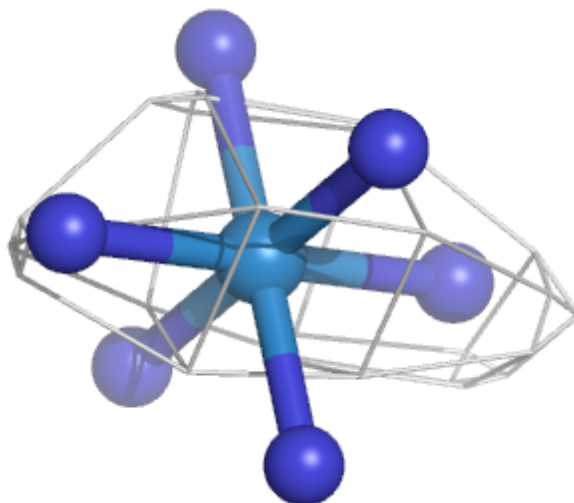
Electron density around OHX A1 1983:

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



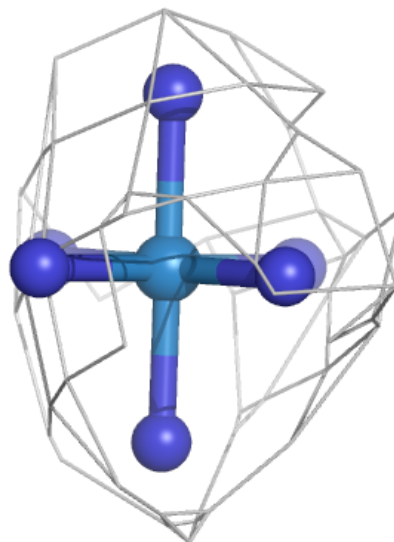
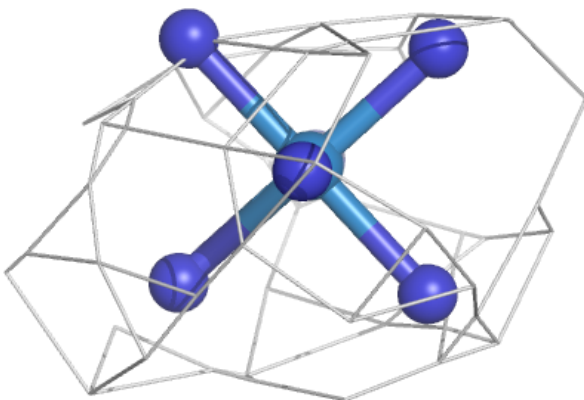
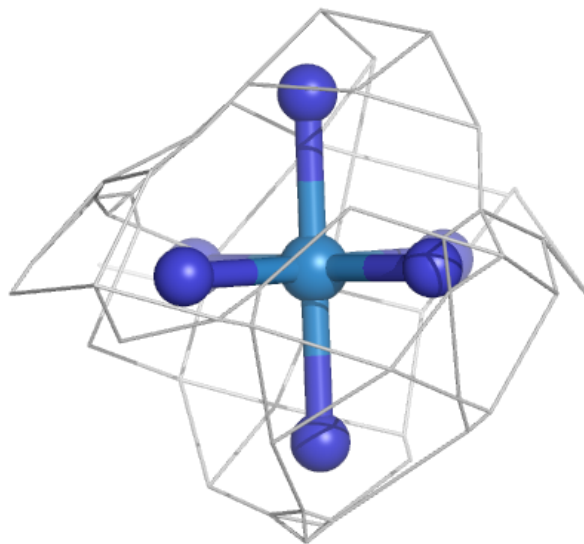
Electron density around OHX B1 3571:

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



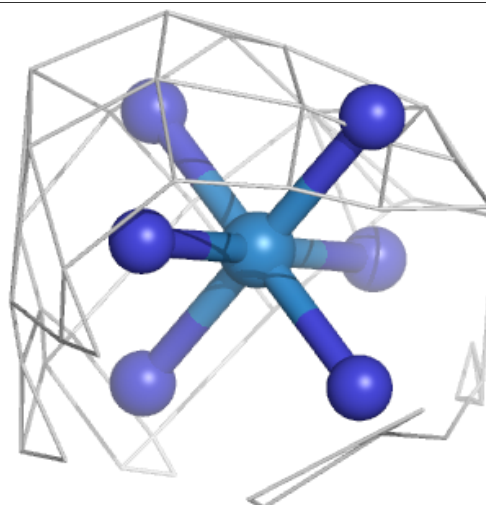
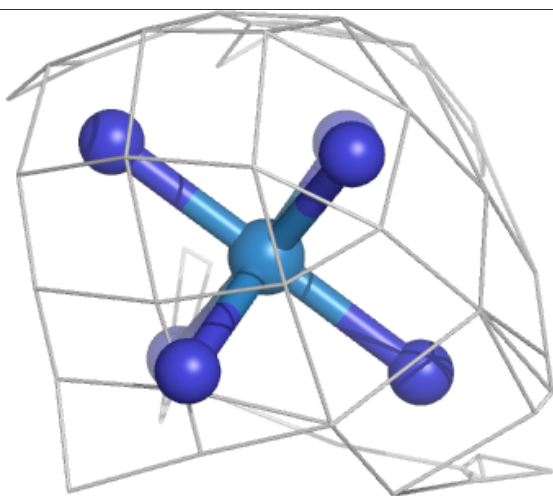
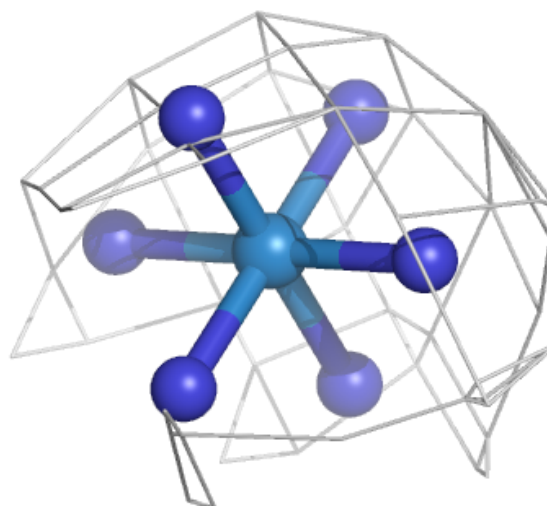
Electron density around OHX D1 3573:

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



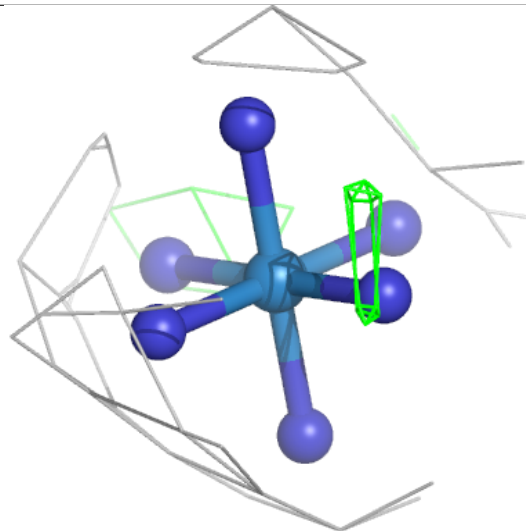
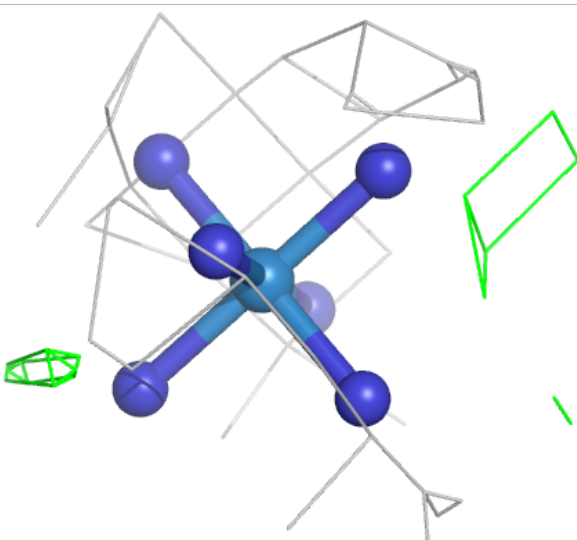
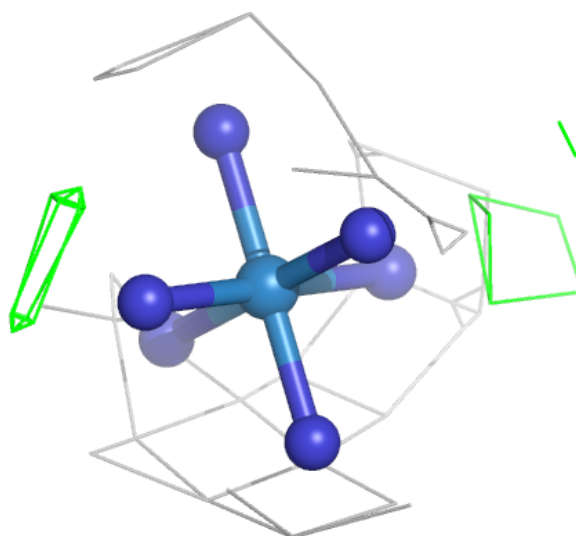
Electron density around OHX D1 3605:

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



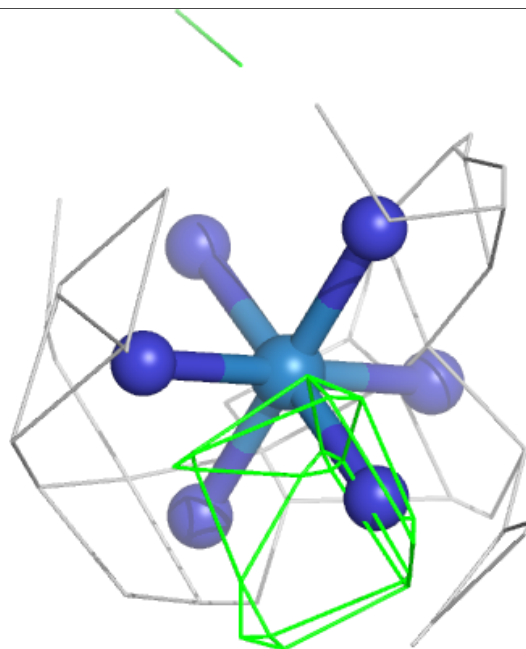
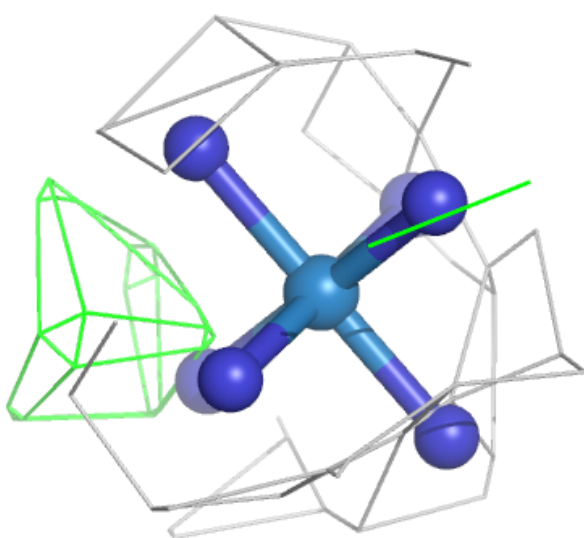
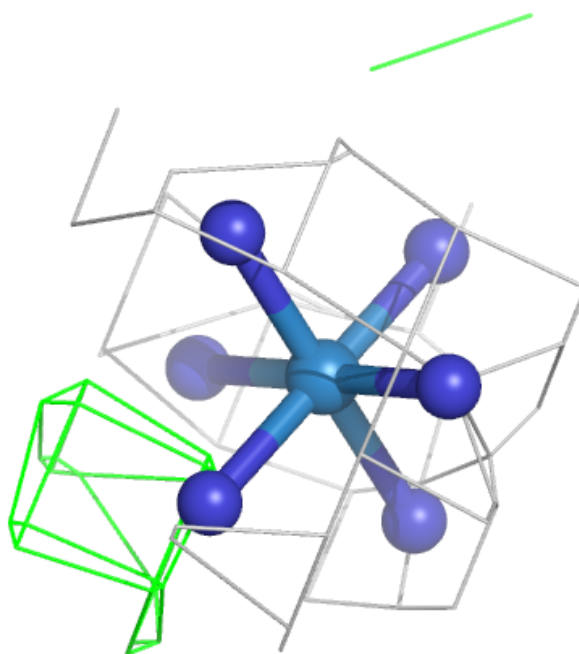
Electron density around OHX B1 3548:

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



Electron density around OHX D1 3586:

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



6.5 Other polymers [i](#)

There are no such residues in this entry.